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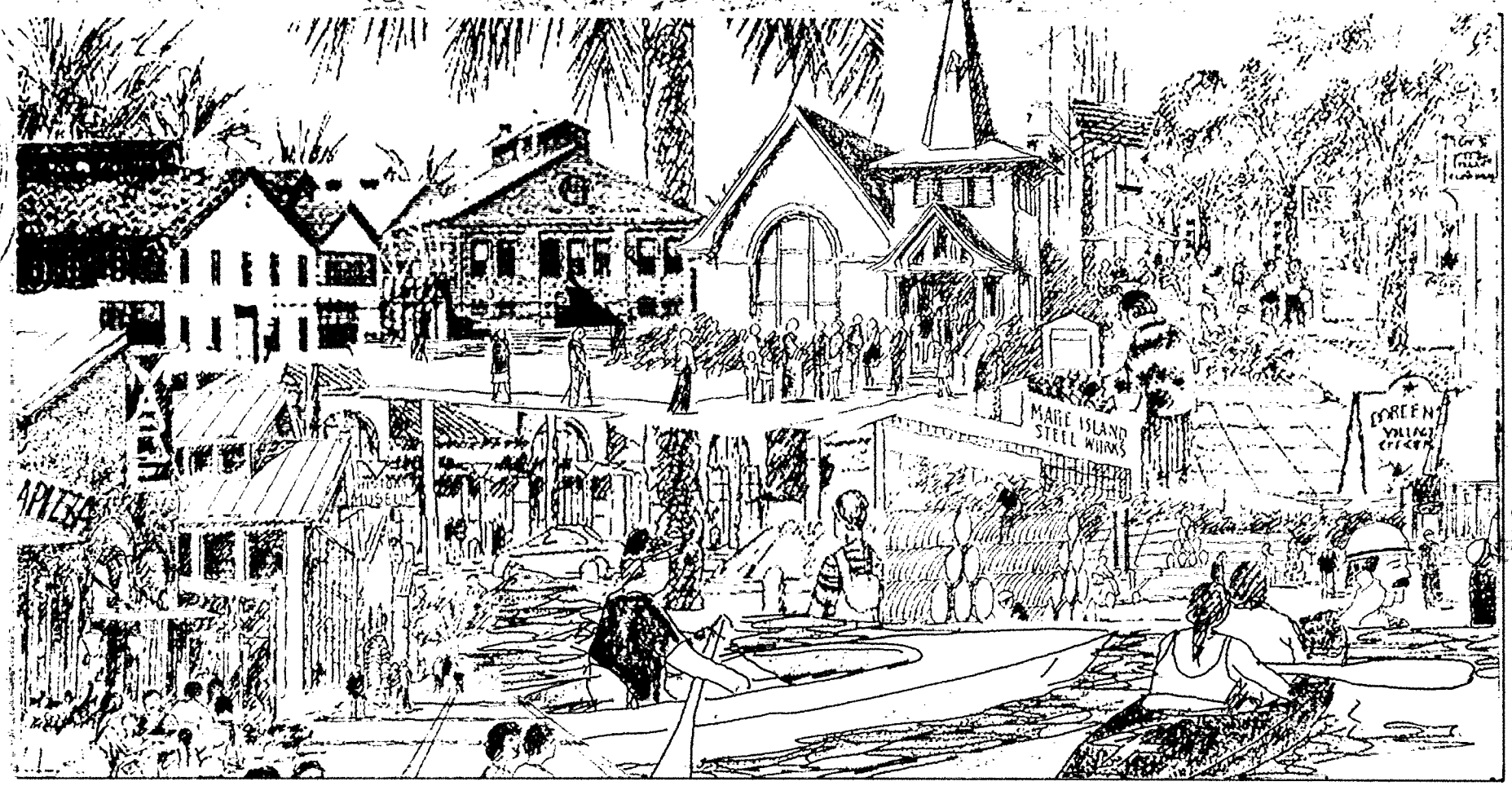
Lennar Mare Island
October 2004

Site Characterization and Removal Action for Polychlorinated Biphenyls at Building 84



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October 4, 2004

Mr. Henry Chui
California Environmental Protection Agency
Department of Toxic Substances Control
700 Heinz Avenue, Suite 200
Berkeley, CA 94710-2737

Subject: Site Characterization and Cleanup Action Summary Report for the Polychlorinated Biphenyl Site Inside Building 84, Investigation Area D1, Mare Island, Vallejo, California

Dear Mr. Chui:

Enclosed is the Site Characterization and Cleanup Action Summary Report for Building 84. CH2M HILL prepared this document in compliance with the requirements in the Consent Agreement (LMI et al. 2001) signed April 16, 2001 between Lennar Mare Island (LMI), the City of Vallejo, and the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC). The purpose of this document is to obtain DTSC concurrence that a no further action (NFA) determination is appropriate with respect to polychlorinated biphenyl (PCB) contamination as part of the overall regulatory closure process for Building 84 on the LMI property of Mare Island. An NFA determination is appropriate for Building 84 based on risk-assessment calculations for current conditions and an exposure assessment for future conditions.

At the current time, Building 84 is unoccupied and residential use of the building in its current condition will not occur. However, as a conservative estimate of potential risks, it was assumed that a hypothetical resident was exposed to PCBs in the building. This estimate included the measured concentrations of PCBs in soil samples under the removed floor materials, floor material samples (i.e., asphalt/concrete), wall wipe samples, dust samples, and air samples. The estimated potential risks to this hypothetical resident at Building 84 are at the low end of and below the risk-management range (risk estimates range from approximately 5×10^{-6} to 4×10^{-7}). However, Building 84 will not be occupied for any use in its current condition. In the future, the rehabilitation of Building 84 for residential use will result in: (1) removal of miscellaneous material and debris, (2) replacement of existing flooring, and (3) cleaning, repair, and painting of existing surfaces. Therefore, the potential risks to future residents will be less than what are estimated based on current conditions. Since the estimated risks based on current conditions are already within the risk-management range for residential use, approval of an NFA for Building 84 is an appropriate finding. Consequently, we are requesting that DTSC issue an NFA determination for Building 84 under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).

Please respond to this letter with confirmation that NFA under CERCLA is appropriate for the Building 84. Please submit your approval of NFA at this PCB site to me at the above address or via e-mail at jmorris1@ch2m.com. If you have any questions regarding this site, please contact Carla Duncan at 775/329-7238, extension 220.

Sincerely,

CH2M HILL

Jeffery C. Morris, PE

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Summary Report

Site Characterization and Removal Action for Polychlorinated Biphenyls at Building 84, Investigation Area D1 Mare Island, Vallejo, California

Prepared for

California Environmental Protection Agency, Department of Toxic Substances Control

October 2004

CH2MHILL
155 Grand Avenue, Suite 1000
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Acronyms and Abbreviations

AL	Assessment Location
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
DTSC	Department of Toxic Substances Control
EETP	Eastern Early Transfer Parcel
IA	Investigation Area
LMI	Lennar Mare Island
L/min	liters per minute
$\mu g/100\ cm^2$	micrograms per 100 square centimeters
mg/kg	milligrams per kilogram
ng/m^3	nanograms per cubic meter
Navy	United States Department of the Navy
NFA	no further action
PCB	polychlorinated biphenyl
PRG	preliminary remediation goal
SSPORTS	Supervisor of Shipbuilding, Conversion and Repair, Portsmouth, Virginia, Environmental Detachment
TEF	toxic equivalency factor
TEQ	toxic equivalency factor
TSCA	Toxic Substances Control Act
TWD	Technical Work Document
USEPA	United States Environmental Protection Agency

1.0 Introduction

This report summarizes the polychlorinated biphenyl (PCB) site characterization and cleanup actions at Building 84 within Investigation Area (IA) D1 on the Mare Island Eastern Early Transfer Parcel (EETP). CH2M HILL prepared this document in compliance with the Consent Agreement signed April 16, 2001 between Lennar Mare Island (LMI), the City of Vallejo, and the State of California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) (LMI et al. 2001). The Consent Agreement specifies requirements for obtaining regulatory closure for sites of environmental concern in a manner that is consistent with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).

The purpose of this document is to obtain DTSC concurrence that a no further action (NFA) determination is appropriate with respect to polychlorinated biphenyl (PCB) contamination as part of the overall regulatory closure process for Building 84 on the LMI property of Mare Island. An NFA determination is appropriate for Building 84 based on risk-assessment calculations for current conditions and an exposure assessment for future conditions.

The rest of this document is divided as follows: Section 2.0 provides a description of the Building 84 site background and a summary of the previous sampling and cleanup actions completed by the United States Department of the Navy (Navy); Section 3.0 provides a description of the sampling and cleanup action performed by CH2M HILL; Section 4.0 provides the rationale for site closure based on a site-specific risk evaluation; Section 5.0 provides conclusions for this document; and Section 6.0 provides references used in the preparation of this Building 84 summary report.

2.0 PCB Site Identification and Background

Building 84 is located west of Suisun Avenue and south of Mesa Road within the residential land-use area within Investigation Area (IA) D1 (LMI 2000). Figure 2-1 shows the PCB site locations within IA D1. Building 84 was constructed between 1890 and 1909 in three phases and used for the Marine Prison. Adjacent Building 84A was a warehouse addition constructed in 1939. Buildings 84 and 84A were converted to the Navy Publication and Printing Office in 1954 and were used for that purpose until 1977. The buildings were then used for Marine Corps storage until the early 1990s. These buildings are currently vacant and will be converted into condominiums during re-development of Mare Island.

One PCB site at Building 84 is listed in the Consent Agreement for the Eastern Early Transfer Parcel at Mare Island (LMI et al. 2001); this site is identified as Building 84 Assessment Location (AL) #01 – floor of the building.

Table 2-1 provides a summary of the previous sampling at Building 84. This table includes the sample numbers, matrix, sample date, and total PCB concentrations (the laboratory reporting limit is given when PCBs were not detected) and comments regarding the previous Navy cleanup actions. The Navy completed several sampling events and cleanup actions at Building 84 AL#01 (washing, scabbling, and floor removal) (SSPORTS 1995, 1997, 1998a-b). Figure 2-2 shows the previous cleanup action areas and sample locations at this site prior to the cleanup action performed by CH2M HILL during January 2004. The maximum PCB concentrations detected in ground floor stain-specific samples inside Building 84 prior to the Navy cleanup actions were 23.5 milligrams per kilogram (mg/kg) and 11.3 micrograms per 100 square centimeters (μg/100 cm^2) (SSPORTS 1997).

Because the Navy cleanup action level was 10 mg/kg, PCB concentrations greater than 1 mg/kg remained at four locations inside Building 84 following these cleanup actions (SSPORTS 1995, 1997, 1998a-b). A letter to DTSC dated October 22, 2003 regarding Building 84 provided more details on the Navy cleanup actions inside this building (CH2M HILL 2003b).

TABLE 2-1
Previous Sample Results for Building 84 AL#01
PCB Sites, Lennar Mare Island, Vallejo, California

PCB Site Name	Site Description	Sample Number	Sample Matrix	Sample Date	PCB Concentration	Comments
Building 84 AL#01	Floor of the building	4357-0001	Asphalt	2/22/95	0.653 mg/kg	Stain-specific sample location
		4357-0002	Asphalt	2/22/95	1.11 mg/kg	Stain-specific sample location; Removed during January 2004 cleanup action
		4357-0007	Asphalt	2/22/95	1.37 mg/kg	Stain-specific sample location; Removed during January 2004 cleanup action
		4357-0008	Asphalt	2/22/95	0.716 mg/kg	Stain-specific sample location
		4357-0030	Concrete	2/22/95	11.3 µg/100 cm²	Stain-specific sample location; Removed per TWD 95-0070 (SSPORTS 1995)
		4357-0037	Asphalt	2/22/95	3.77 mg/kg	Stain-specific sample location; Removed during January 2004 cleanup action
		4357-0043	Concrete	2/22/95	23.5 mg/kg	Stain-specific sample location; Removed per TWD 97-1472 Revision A (SSPORTS 1998a)
		4357-0046	Asphalt	2/22/95	1.17 mg/kg	Stain-specific sample location; Removed during January 2004 cleanup action
		4357-0047	Asphalt	2/22/95	0.113 mg/kg	Stain-specific sample location
		7006-0010	Concrete	1/7/97	8.4 mg/kg	Verification sample following TWD 95-0070; Removed per TWD 97-1472 Revision A (SSPORTS 1998a)
		7006-0011	Concrete	1/7/97	5.7 mg/kg	Verification sample following TWD 95-0070; Removed per TWD 97-1472 Revision A (SSPORTS 1998a)
		PC6303	Concrete	12/10/98	0.02 J mg/kg	TtEMI Confirmation sample
		PC6304	Concrete	12/10/98	ND (< 0.036 mg/kg)	TtEMI Confirmation sample
		PC6305	Concrete	12/10/98	ND (< 0.036 mg/kg)	TtEMI Confirmation sample
		8-2714-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2715-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A

TABLE 2-1
Previous Sample Results for Building 84 AL#01
PCB Sites, Lennar Mare Island, Vallejo, California

PCB Site Name	Site Description	Sample Number	Sample Matrix	Sample Date	PCB Concentration	Comments
		8-2716-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2717-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2718-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2719-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2720-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A
		8-2721-CH2M	Soil	6/25/02	ND (< 0.04 mg/kg)	Replacement of verification data following TWD 95-0070; Removed per TWD 97-1472 Revision A

Notes:

Sample numbers beginning with PC were collected by TtEMI. Sample numbers beginning with B or ending in CH2M were collected by CH2M HILL. All other samples were collected by SSPORTS.

The following wipe and solid samples were collected from the floor of Building 84 on 2/22/95 and had PCB results <10 µg/100 cm² or <2 mg/kg: 4357-0003 through 0006 (asphalt); 4357-0009 through 0010 (painted asphalt); 4357-0011 (soil); 4357-0012 through 0013 (painted asphalt); 4357-0017 (asphalt); 4357-0018 through 0020 (painted asphalt); 4357-0021 through 0023 (asphalt); 4357-0024 through 0025 (painted asphalt); 4357-0028 (asphalt); 4357-0029 (painted concrete); 4357-0031 through 0036 (painted concrete); 4357-0038 through 0042 (painted concrete); 4357-0044 (painted concrete); 4357-0045 (painted asphalt).

AL = Assessment Location.
J = estimated concentration.
mg/kg = milligrams per kilogram.
ND = not detected (laboratory reporting limit in parentheses).
PCB = polychlorinated biphenyl.
TWD = Technical Work Document.
µg/100 cm² = micrograms per 100 square centimeters.

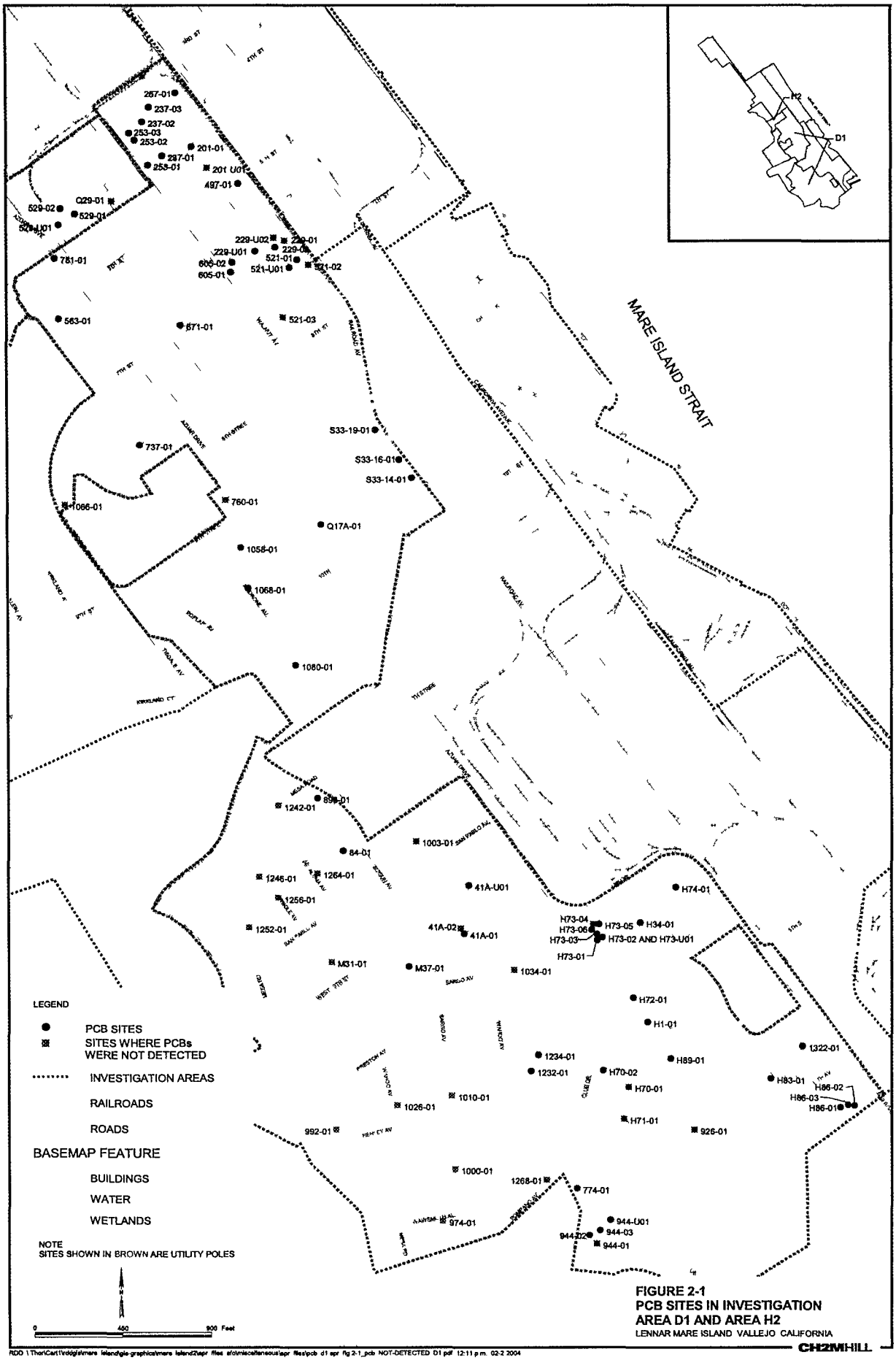

FIGURE 2-1
PCB SITES IN INVESTIGATION AREA D1 AND AREA H2
LENNAR MARE ISLAND VALLEJO CALIFORNIA

CH2MHILL

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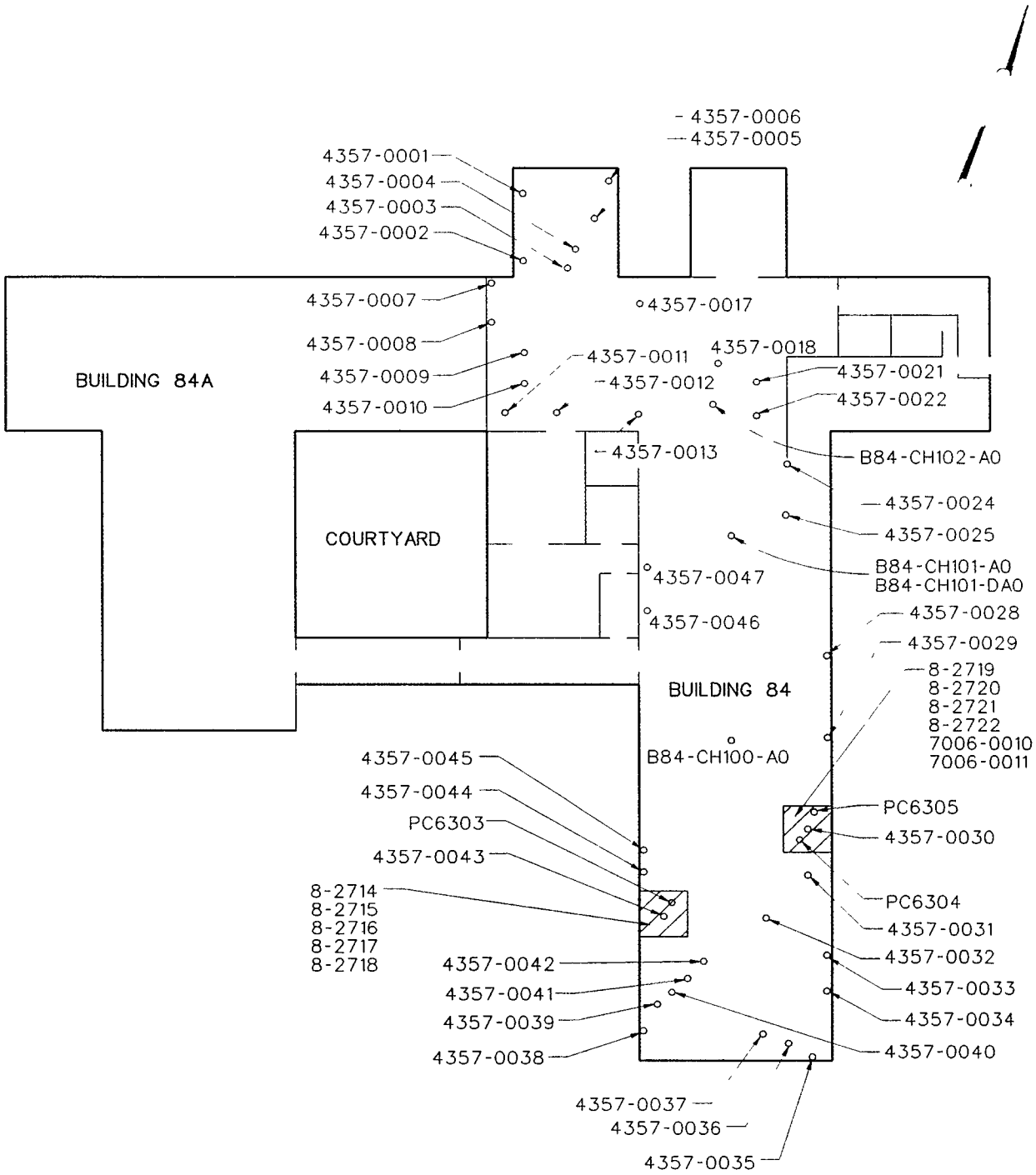

PREVIOUS CLEANUP ACTION AREAS

FIGURE 2-2
BUILDING 84 AL#01
NAVY SAMPLE LOCATIONS
LENNAR MARE ISLAND, Vallejo, California

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3.0 CH2M HILL Sampling and Cleanup Action Summary

CH2M HILL collected asphalt floor samples in December 2003. In January 2004, a cleanup action was performed in four specific areas where remaining PCB concentrations in building floor material exceeded 1 mg/kg.

The potential for indoor air concerns for the PCB sites within IA D1 were evaluated on a site-by-site basis during a meeting with DTSC on March 2, 2004. At the direction of DTSC, an indoor air evaluation was required for Building 84 because the future use of the building is residential, there were numerous floor stains present, and the laboratory reporting limits were elevated in some of the Navy floor material samples. Following this air sampling, dust and wall wipe samples were also collected. The following sections summarize the CH2M HILL sampling and cleanup action.

3.1 Floor Sampling and Cleanup Action

A Notification letter to the United States Environmental Protection Agency (USEPA) dated October 22, 2003 (CH2M HILL 2003c) provided a cleanup plan for the four stain-specific PCB-contaminated areas of the ground floor within Building 84 where there were remaining PCB concentrations greater than 1 mg/kg following the Navy cleanup actions. The PCB concentrations detected in these four areas ranged from 1.11 mg/kg to 3.77 mg/kg (SSPORTS 1997).

To address a USEPA comment on the Notification, CH2M HILL personnel collected four asphalt floor samples on December 3, 2003 from non-stained areas within Building 84 (Figure 2-2). PCBs were detected in three of the four asphalt samples; the range of detected PCB concentrations was 0.102 mg/kg to 0.534 mg/kg. The laboratory data sheets for these samples were provided in a response to comments letter to USEPA dated December 24, 2003 (CH2M HILL 2003d). These data support the basis in the original Notification that the non-stained portion of the asphalt floor inside Building 84 does not contain PCBs at a concentration greater than 1 mg/kg. Therefore, the CH2M HILL cleanup action was performed as specified in the Notification addressing the four stain-specific areas of the floor where PCB concentrations exceeded 1 mg/kg (CH2M HILL 2003c).

Figure 3-1 shows the remaining PCB concentrations at Building 84 AL#01 prior to the January 2004 cleanup action. CH2M HILL performed an excavation cleanup action (asphalt floor removal and underlying soil) on January 6 and 7, 2004 at the four stain-specific floor areas.

Figure 3-2 shows the four cleanup action areas and verification soil sample PCB concentrations at Building 84 AL#01. From north to south, the four excavation area sizes were 6 feet by 9 feet (verification sample number B84-0801-S1), 5.5 feet by 6.5 feet (verification sample number B84-0802-S1), 6 feet by 11 feet (verification sample number B84-0803-S1), and 10 feet by 10 feet (verification sample number B84-0804-S1), respectively (Figure 3-2). The

dimensions of each excavation area were based on spray-paint markings on the floor placed by the Navy prior to Technical Work Document (TWD) 97-1472 (SSPORTS 1998a); this TWD was not completed by the Navy at these four locations because the cleanup goal for inside Building 84 was changed from 1 mg/kg to 10 mg/kg prior to TWD implementation.

When the excavation depth was 1 foot below ground surface, one three-point composite verification soil sample was collected from each excavation area. PCBs were detected in three of the four excavation areas with concentrations ranging from 0.135 mg/kg to 0.903 mg/kg (Table 3-1; Figure 3-2). Because the composite soil sample at one of the locations (sample number B84-0802-S1) had a PCB concentration greater than the USEPA Region 9 preliminary remediation goal (PRG) for residential use (greater than 0.22 mg/kg), an additional 0.5 foot of soil was removed from this excavation area on January 22, 2004. The PCB concentration in the verification soil sample following this additional excavation was 0.078 mg/kg (sample number B84-0802-S1.5).

Approximately 10 cubic yards of asphalt/soil were removed from the excavation areas inside Building 84. The excavated material was transported and disposed off site to the Waste Management Altamont Landfill located in Livermore, California on February 9, 2004. The excavations were backfilled on February 18, 2004 with DTSC-approved clean soil from Benicia High School (1101 Military West Street, Benicia, California) and the Hiddenbrooke-Orchard Area (Vallejo, California) development areas (DTSC 2003a-b).

3.2 Indoor Air Sampling

Verbal concurrence of the Building 84 air sampling approach was provided by DTSC following an April 15, 2004 agency meeting where the sampling approach was presented. In early May 2004, seven samples were collected during the Building 84 air investigation: four inside the building (including one duplicate and one sample from within an enclosed tent to simulate an enclosed residential unit within the building), two outside the building (background), and one field blank. The purpose of this air sampling was to determine if there is a potentially complete indoor air PCB exposure pathway inside Building 84. Figure 3-3 shows the air sample locations.

Air samples were collected using sample method TO-10A (USEPA 1999a) using low-volume polyurethane foam sampling followed by gas chromatographic/multi-detector detection. Following the 24 hour sampling period using a flow rate of 5 liters per minute (L/min), the polyurethane foam sample media was sent to Alta Laboratory located in El Dorado Hills, California. Laboratory analysis for the PCB congeners was performed using USEPA method E1668A (high resolution gas chromatography/ mass spectrometry) (USEPA 1999b).

Following receipt of the air sampling results, the analytical data were validated by CH2M HILL chemists in accordance with the *Air Sampling Addendum to Quality Assurance Project Plan for Lennar Mare Island* (CH2M HILL 2004). No significant data quality problems were identified during data validation. One PCB congener was detected at a low level in the field blank and the background samples which resulted in flagging the data for this congener non-detect. In addition, some congener data were qualified as "estimated" due to co-elution or poor resolution of some congener peaks from adjacent closely-eluting peaks in

the calibration standard and/or the samples. The data validation report is provided in Appendix A. The laboratory analytical data are provided in Appendix B.

Total PCBs detected in Building 84 indoor air ranged from 21 to 69 nanograms per cubic meter (ng/m^3). Table 3-2 provides a summary of this data for each sample grouped by homolog (PCB congener group). The primary homolog detected in the Building 84 air was trichlorobiphenyls (Table 3-2). The sample collected from within the enclosed tent had the lowest concentration of PCBs detected (Table 3-2).

3.3 Dust and Wall Wipe Sampling

Because PCBs were detected in the indoor air and the air sample method collects both air and entrained particulate matter, dust samples were collected from the floor and windowsills inside Building 84 to determine if the particulate matter in the air might be a significant source of the PCBs detected in the air samples. PCBs were detected in the two windowsill dust samples with concentrations of 0.86 mg/kg (north end of building in rollup door area) and 5.85 mg/kg (south wing of the building) (Appendix B). PCBs were also detected in the floor dust sample collected in the center of the southern wing of the building at a concentration of 1.99 mg/kg. In addition, wipe samples were collected from four wall areas inside Building 84. PCBs were not detected above the laboratory reporting limit of 0.33 μg/100 cm^2 in these wipe samples.

Figure 3-4 shows the remaining PCB concentrations at Building 84 AL#01 following the cleanup actions and the additional site characterization.

TABLE 3-1
Floor and Underlying Soil Sample Results for Building 84 AL#01
PCB Sites, Lennar Mare Island, Vallejo, California

PCB Site Name	Site Description	Sample Number	Sample Matrix	Sample Date	PCB Concentration	Comments
Building 84 AL#01	Floor of the building	B84-CH100-A0	Asphalt	12/03/03	0.534 mg/kg	Not a stain-specific sample location
		B84-CH101-A0	Asphalt	12/03/03	0.102 mg/kg	Not a stain-specific sample location
		B84-CH101-DA0	Asphalt	12/03/03	ND (< 0.327 mg/kg)	Not a stain-specific sample location
		B84-CH102-A0	Asphalt	12/03/03	0.44 mg/kg	Not a stain-specific sample location
		B84-0801-S1	Soil	01/08/04	0.138 mg/kg	
		B84-0802-S1	Soil	01/08/04	0.903 mg/kg	Removed
		B84-0803-S1	Soil	01/08/04	0.135 mg/kg	
		B84-0804-S1	Soil	01/08/04	ND (< 0.036 mg/kg)	
		B84-0802-S1.5	Soil	01/23/04	0.078 mg/kg	Verification sample following removal of B84-0802-S1

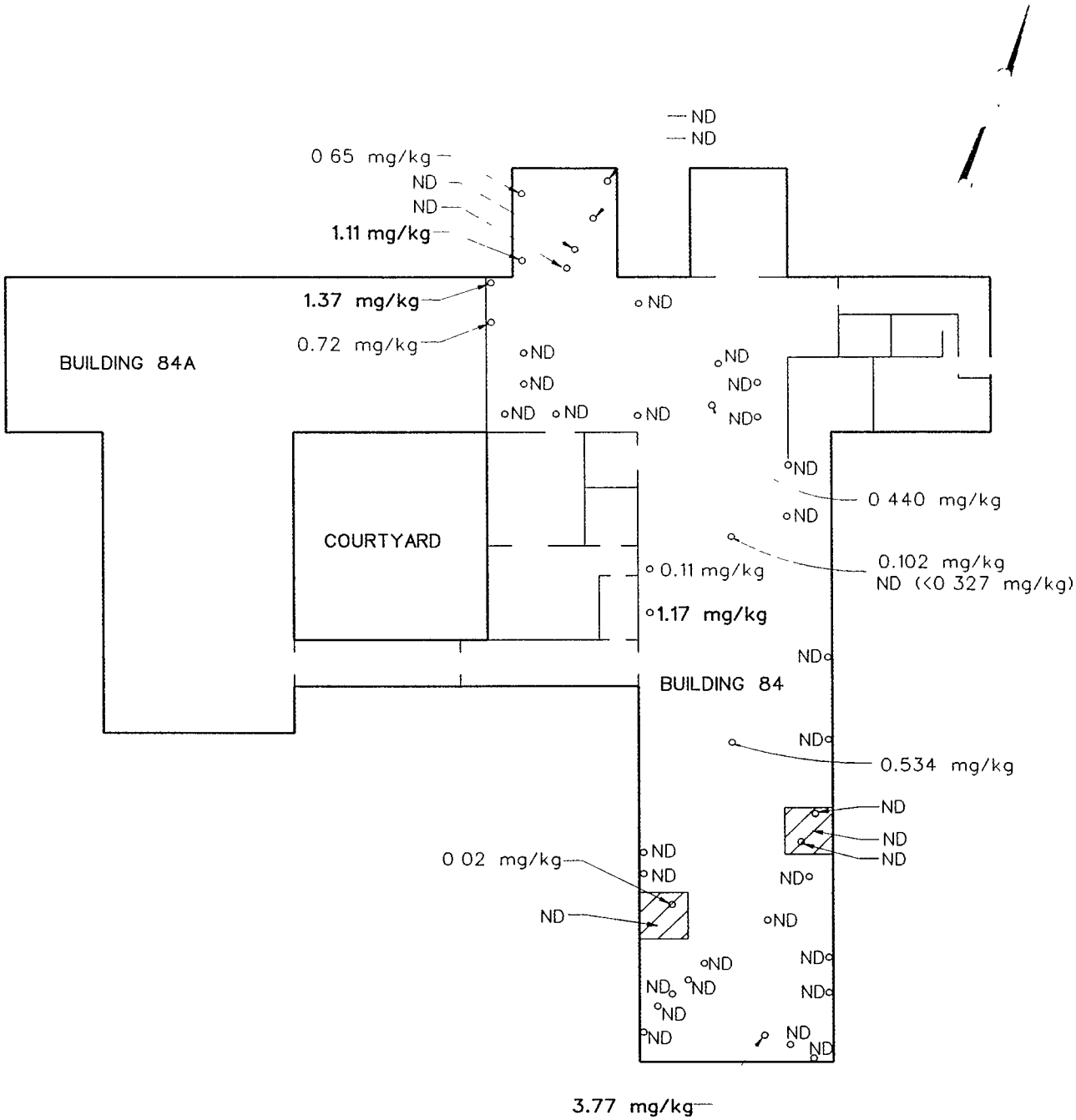
Notes:

AL = Assessment Location.
J = estimated concentration.
mg/kg = milligrams per kilogram.
ND = not detected (laboratory reporting limit in parentheses).
PCB = polychlorinated biphenyl.

TABLE 3-2
Air Sample Results for Building 84 AL#01
PCB Sites, Lennar Mare Island, Vallejo, California

PCB Homolog	84-AIR-101	84-AIR-102	84T-AIR-103	84-AIR-104	84-AIR-105	84-AIR-106	84-AIR-107
Total monoCB	0.44	0.43	0.28	0.62	ND	ND	ND
Total diCB	8.27	8.34	4.29	11.39	ND	ND	ND
Total triCB	27.29	26.65	11.40	38.28	ND	ND	ND
Total tetraCB	11.63	11.99	4.82	16.73	ND	ND	ND
Total pentaCB	1.33	1.34	0.51	1.64	ND	ND	ND
Total hexaCB	0.26	0.24	0.08	0.30	ND	ND	ND
Total heptaCB	ND	0.02	ND	0.02	ND	ND	ND
Total octaCB	ND	ND	ND	ND	ND	ND	ND
Total nonaCB	ND	ND	ND	ND	ND	ND	ND
Total decaCB	ND	ND	ND	ND	ND	ND	ND
Total PCB	**49.2**	**49.2**	**21.4**	**68.9**	**ND**	**ND**	**ND**

Notes:
Sample 84-AIR-102 is a duplicate of sample 84-AIR-101.
Sample 84T-AIR-103 was collected from inside an enclosed structure.
Samples 84-AIR-105 and 84-AIR-106 were collected outside of Building 84 (background locations).
Sample 84-AIR-107 was a field blank.
CB = Chlorinated Biphenyl.
PCB = Polychlorinated Biphenyl.
ND = Not Detected.
Units are in nanograms per cubic meter (ng/m^3).

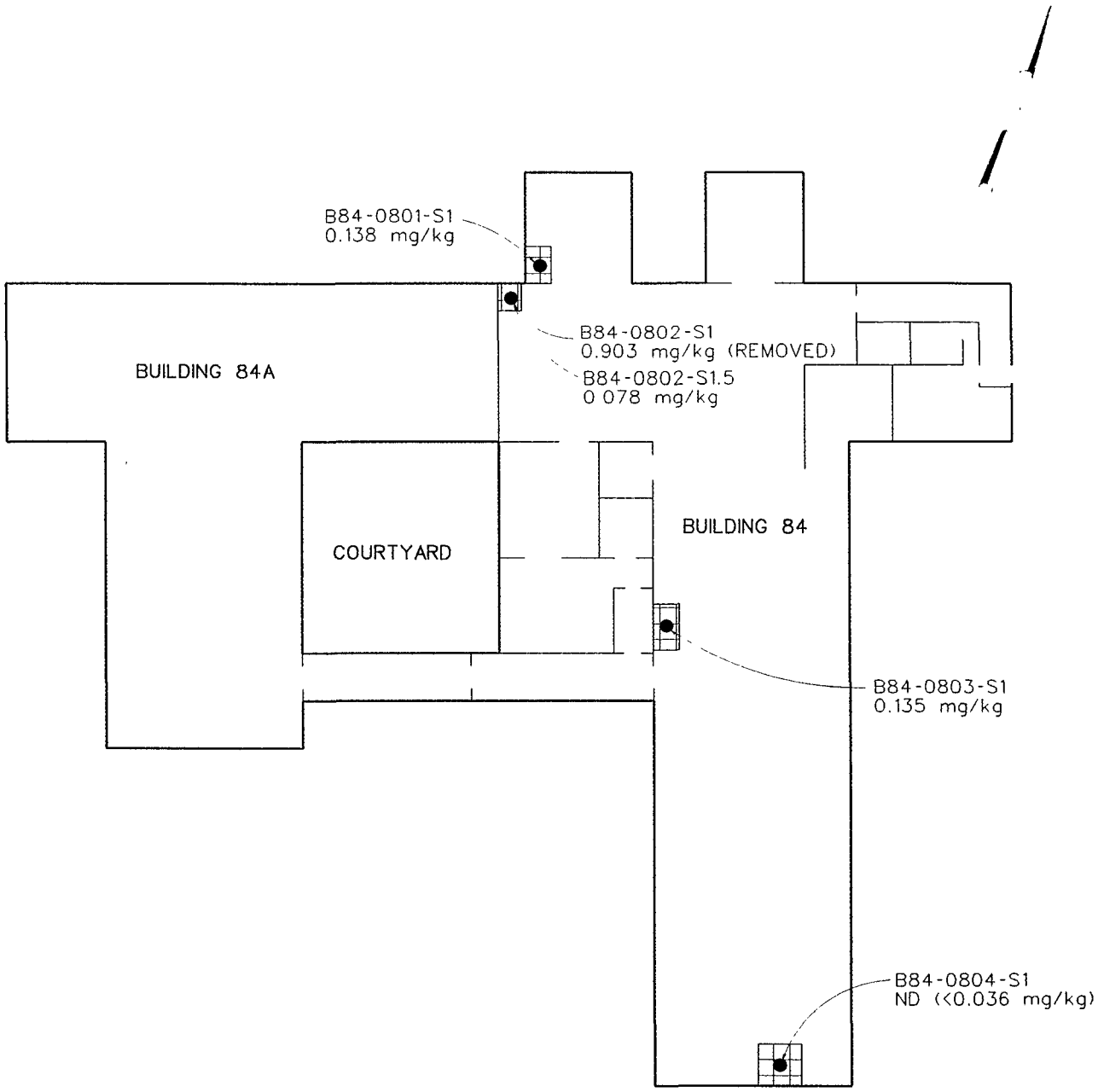


PREVIOUS CLEANUP ACTION AREAS

ND- NON DETECT

FIGURE 3-1
BUILDING 84 AL*01
REMAINING PCB CONCENTRATIONS
PRIOR TO 2004 CLEANUP ACTION
LENNAR MARE ISLAND, Vallejo, California

CH2MHILL

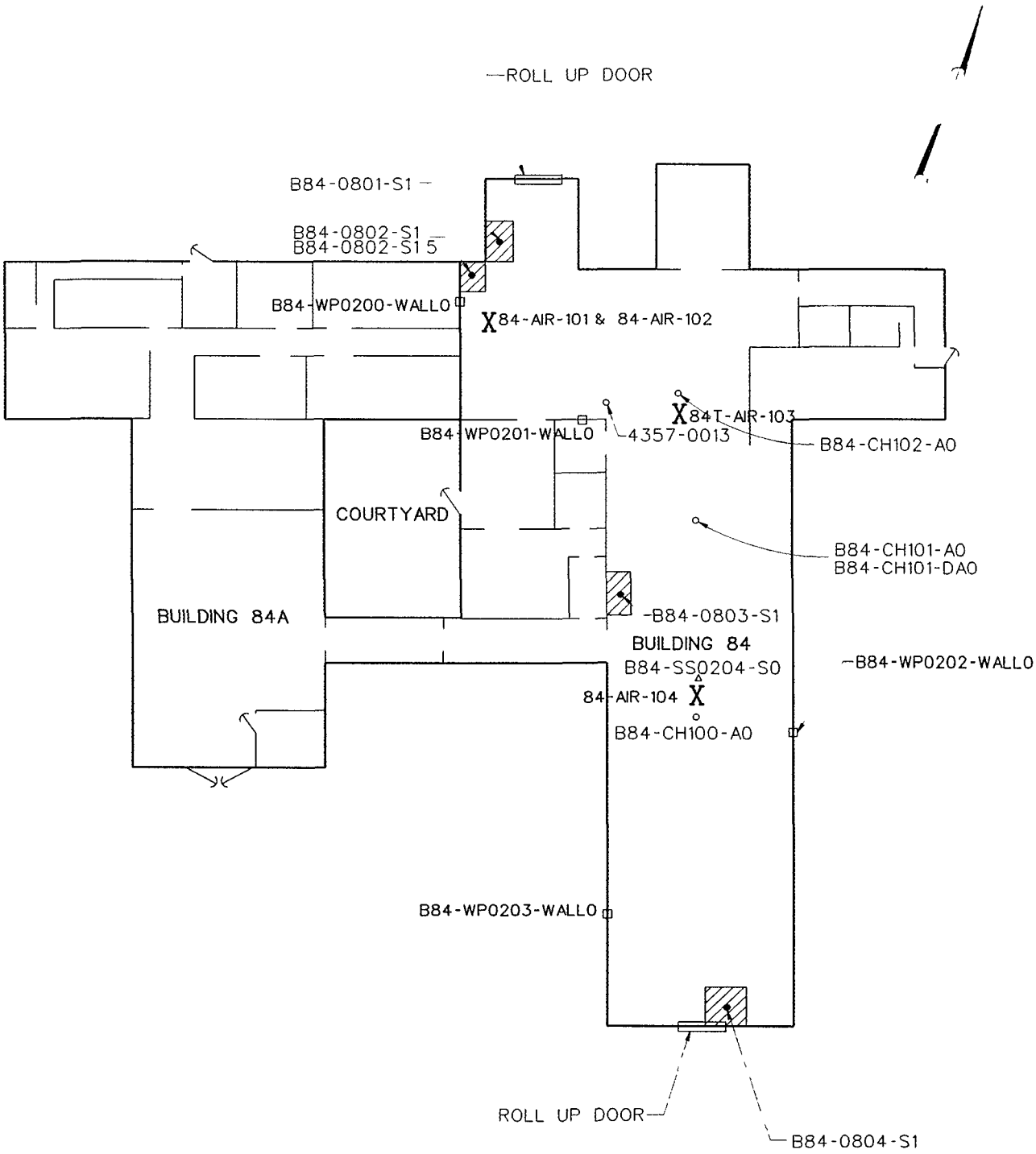


CLEANUP ACTION AREA

● VERIFICATION SAMPLE LOCATION (3-POINT COMPOSITE)

FIGURE 3-2
BUILDING 84 AL#01
CLEANUP ACTION AREAS AND VERIFICATION SAMPLE LOCATIONS
LENNAR MARE ISLAND, Vallejo, California

CH2MHILL

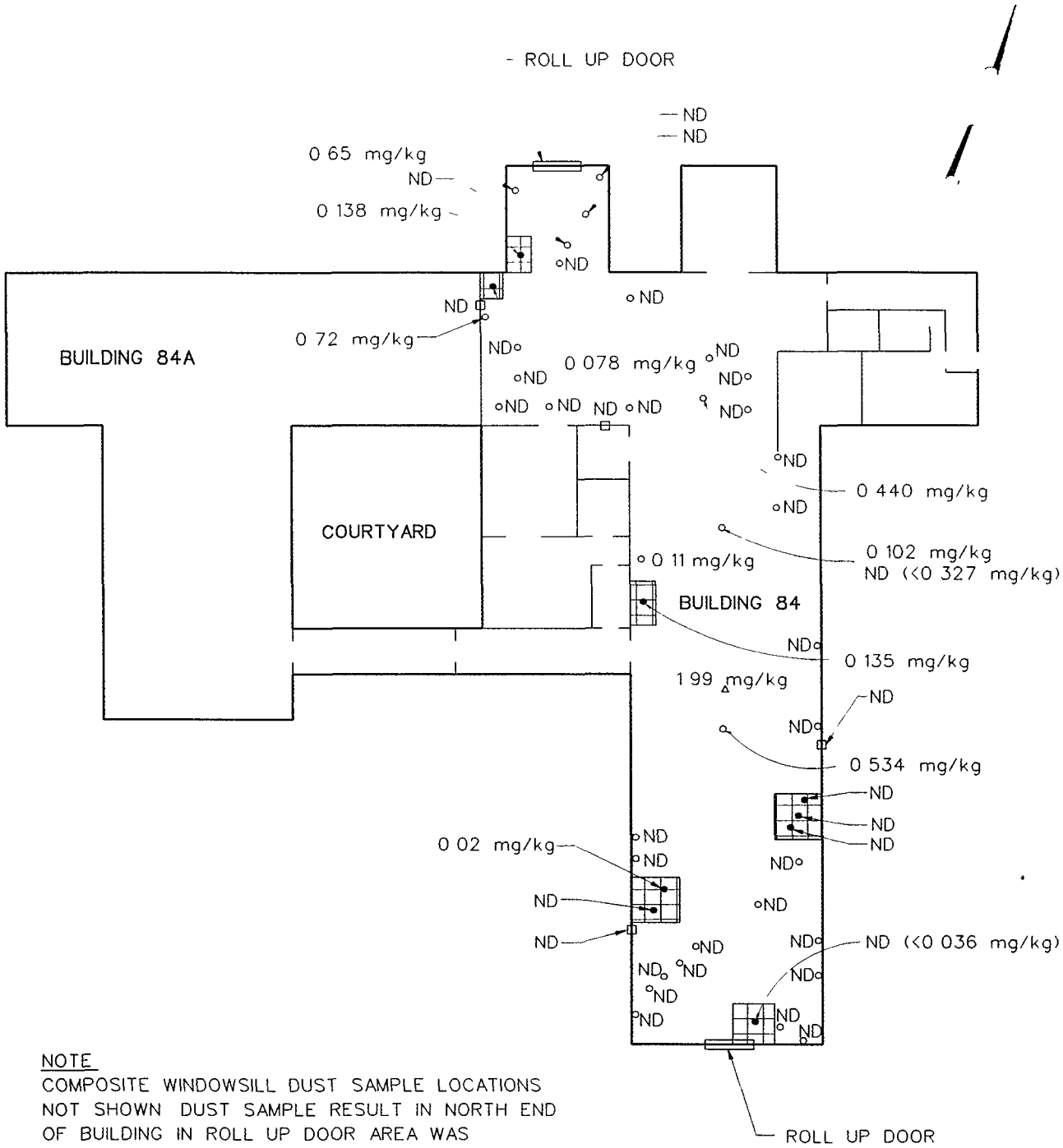


CH2M HILL CLEANUP ACTION AREAS

- ○ FLOOR SAMPLE LOCATION
- • 3-POINT COMPOSITE VERIFICATION SAMPLE LOCATION
- △ DUST SAMPLE LOCATION
- □ WIPE SAMPLE LOCATION
- X AIR SAMPLE LOCATION

FIGURE 3-3
BUILDING 84 AL#01
CH2M HILL SAMPLE LOCATIONS
LENNAR MARE ISLAND, Vallejo, California

CH2MHILL



NOTE
COMPOSITE WINDOWSILL DUST SAMPLE LOCATIONS NOT SHOWN DUST SAMPLE RESULT IN NORTH END OF BUILDING IN ROLL UP DOOR AREA WAS 0 86 mg/kg DUST SAMPLE RESULT IN SOUTH WING OF BUILDING WAS 5 85 mg/kg

CLEANUP ACTION AREAS

- ○ FLOOR SAMPLE LOCATION
- ● SOIL SAMPLE LOCATION
- △ DUST SAMPLE LOCATION
- □ WIPE SAMPLE LOCATION

ND- NON DETECT

FIGURE 3-4
BUILDING 84 AL*01
REMAINING PCB CONCENTRATIONS
LENNAR MARE ISLAND, Vallejo, California

CH2MHILL

4.0 Site-specific Risk Evaluation

An NFA determination is appropriate at a site if the detected PCB concentrations in soil, groundwater, and/or air do not exceed the applicable PRG (USEPA 2002), or if results of a site-specific risk evaluation demonstrate that potential risks associated with exposure to residual PCBs are within the risk-management range (1×10^{-4} to 1×10^{-6}) generally used to determine if cleanup is necessary.

As noted previously, DTSC raised questions about the indoor air pathway at Building 84 and provided direction for indoor air sampling to be conducted. Therefore, the focus of the site-specific risk evaluation was the indoor air pathway (i.e., potential inhalation of PCBs in indoor air by residential receptors). In addition, a screening-level risk evaluation was performed for the dust, wall wipe, soil, and floor material sampling data. The objective of this evaluation was to estimate potential risks associated with exposure to PCBs inside Building 84 under current building conditions. In addition, an exposure assessment was performed to determine if under future building conditions potentially complete exposure pathways involving PCBs would exist.

4.1 Current Conditions

At the current time, Building 84 is unoccupied and residential use of the building in its current condition will not occur. However, as a conservative estimate of potential risks associated with exposure to PCBs in the building, a screening-level comparison of measured concentrations of PCBs in floor material samples (i.e., asphalt/concrete), wall wipe samples, and dust samples, to risk-based levels based on a residential scenario was performed. Potential risks associated with the inhalation exposure route were calculated using the measured air concentrations of PCBs in Building 84.

The maximum PCB concentration detected in soil after removal of the Building 84 floor materials is 0.138 mg/kg. Because this concentration is less than the USEPA Region 9 PRG for residential land use (0.22 mg/kg), the potential risks associated with direct exposure to PCBs remaining in soil are less than 1×10^{-6}. It is important to note that asphalt/concrete floor material currently covers the soil, so there is no potential for direct contact with the soil; in the future, the soil will be covered by new flooring materials. In addition, since concentrations of PCBs in soil are so low, it is not anticipated that there would be significant vapor intrusion of PCBs from soil into indoor air.

The maximum remaining PCB concentration detected in the Building 84 floor material is 0.72 mg/kg. This maximum detected concentration is within the range of USEPA Region 9 PRG for PCBs in soil based on target risks from 1×10^{-6} to 1×10^{-4} and residential land use conditions (i.e., 0.22 mg/kg to 22 mg/kg).

The PRGs used for comparison are based on soil exposure and include the inhalation, dermal contact, and ingestion exposure routes. For each of these routes, the exposure

assumptions for intake of PCBs in soil probably overestimate intake of PCBs in asphalt/concrete floor materials for the following reasons:

1. Inhalation – fine particles containing PCBs are not as readily available for re-suspension from asphalt/concrete as from soil.
2. Dermal Contact – PCBs in asphalt/concrete are located on floors where regular dermal contact is not anticipated; fine asphalt or concrete particles are not as available as fine soil particles for adherence to skin resulting in dermal absorption; fine particles of asphalt/concrete are less likely to adhere to skin as soil particles.
3. Ingestion – fine particles are not as available from asphalt/concrete as soil for hand to mouth contact resulting in incidental ingestion of PCBs.

PCBs were not detected in wall wipe samples but were detected in particulate matter (dust) samples collected from windowsills and the floor at concentrations ranging from 0.86 mg/kg to 5.85 mg/kg. The detected PCB concentrations in dust on windowsills and the floor are within the range of USEPA Region 9 PRG for PCBs in soil based on target risks from 1×10^{-6} to 1×10^{-4} and residential land use conditions (i.e., 0.22 mg/kg to 22 mg/kg).

Because air samples were collected inside Building 84, the potential risk due to inhalation of PCBs can be calculated. A time-weighted slope factor was used to calculate a risk-based concentration for PCBs in air. USEPA provides a range of slope factors for evaluating exposure to PCBs that are based on high, low, and lowest risk conditions. For the time-weighted slope factor used in these risk calculations, it was assumed that 2 years of exposure are "early life" and the upper bound high-risk slope factor was used for that time period, and 28 years of exposure were later life and used the upper bound low-risk slope factor for that time period. The time-weighted slope factor is 0.51 $(mg/kg\text{-}day)^{-1}$. Using the USEPA Region 9 methodology for air PRGs (USEPA 2002) and the time-weighted slope factor, the risk-based concentration for PCBs in air is 13 ng/m^3. Potential cancer risks associated with inhalation exposure were calculated by comparing the measured air concentrations to the risk-based concentration of 13 ng/m^3.

Total PCB concentrations in air measured inside Building 84 ranged from 21.4 to 68.9 ng/m^3 and corresponding potential cancer risks range from 2×10^{-6} to 5×10^{-6}. To evaluate potential non-cancer effects from inhalation exposure to PCBs, the measured air concentrations were compared to the USEPA Region 9 non-cancer ambient air PRG for Aroclor-1254 (73 ng/m^3). The maximum detected concentration of PCBs in air was less than this PRG, so adverse non-cancer health effects are not a concern. Appendix C provides details of the derivations of the time-weighted slope factor and the risk-based concentration based on the time-weighted slope factor.

In addition to evaluating the total PCB concentrations in air, the congener-specific data were reviewed to determine if dioxin-like congeners were detected. Three dioxin-like congeners were detected in the Building 84 air samples (PCB 77, PCB 105, and PCB 106/118). PCB 106 is not a dioxin-like congener but PCBs 106 and 118 are not distinguishable since they co-elute from the chromatographic column. After applying the toxicity equivalency factors for the dioxin-like congeners, detected concentrations of these congeners range from 5.2×10^{-6} to 2.0×10^{-5} ng/m^3 in the four indoor air samples (three normal samples plus the duplicate). These detected concentrations are less than the residential PRG for

2,3,7,8-tetrachlordibenzo-p-dioxin (4.5×10^{-5} ng/m^3) indicating that risks associated with potential inhalation exposure to dioxin-like congeners is less than 1×10^{-6} under current conditions. Appendix D provides details of the toxicity equivalency factors calculations for the dioxin-like congeners.

4.2 Future Conditions

Because the building is currently not suited for residential use, extensive rehabilitation of Building 84 will occur before it is used for residential purposes. As part of the rehabilitation, the following activities will occur:

- Equipment and miscellaneous materials and debris will be removed.
- Existing asphalt/concrete floor will be removed.
- New flooring will be installed.
- Building will be thoroughly cleaned.
- Walls, ceilings, and windowsills will be repaired and painted.

Each of activities will result in a significant reduction of residual PCBs inside Building 84.

Under future conditions, assuming the activities listed above are completed, there should not be complete exposure pathways associated with PCBs inside Building 84 because it is anticipated that building materials potentially containing residual PCBs will either be removed or covered with new construction materials (e.g., flooring, drywall, paint). Therefore, there should not be contact by occupants of the building with surfaces containing residual PCBs.

4.3 Uncertainties

There are various uncertainties associated with the Building 84 site-specific risk evaluation. It is important to note that there is not current exposure of residential receptors in Building 84 and significant rehabilitation will occur before the building is occupied so any evaluation of potential risks associated with current conditions is strictly hypothetical.

The screening-level evaluation of soil, dust, and floor material data used conservative risk-based values that are likely to be overly protective for the media and exposure conditions evaluated. As stated above, comparison of data from floor materials to soil PRGs is most likely to result in overestimates of risk since contact with soil results in more exposure than contact with asphalt/concrete floor materials. Although each medium was treated separately in the screening-level evaluation and cumulative risks from exposure to multiple potential sources were not evaluated, the remaining concentrations are low compared to conservative risk-based values. Consequently, the cumulative potential risks are expected to be within the risk management range.

There is uncertainty associated with the time-weighted slope factor used to evaluate PCBs in indoor air. USEPA provides a range of slope factors for PCBs with upper bound and central tendency slope factors for high, low, and lowest risk conditions. Table 4-1 presents a summary of potential risk estimates using upper bound and central tendency slope factors and reasonable maximum and central tendency exposure assumptions about exposure

duration (length of time spent at one residence) to illustrate the range of risk estimates that are obtained with various assumptions. As shown on Table 4-1, each of the risk estimates is within or below the risk-management range.

4.4 Summary

The results of this site-specific risk evaluation demonstrate that potential risks associated with the hypothetical exposure of residential receptors to residual PCBs under current conditions are within the risk-management range (1×10^{-4} to 1×10^{-6}). The range of potential cancer risk calculated for current conditions inside Building 84 is 5×10^{-6} to 4×10^{-7}, with differences between this upper and lower bound risk range related to exposure duration and slope factor assumptions. In addition, the hazard quotient is less than 1. Under future conditions (i.e., after building rehabilitation), no complete exposure pathways should exist for PCBs inside Building 84 because it is anticipated that building materials potentially containing residual PCBs will either be removed or covered with new construction materials (e.g., flooring, drywall, paint).

TABLE 4-1
Range of Risk Estimates for PCBs Detected in Air Samples Collected Inside Building 84
PCB Sites, Lennar Mare Island, Vallejo, California

Exposure Duration/ Slope Factor	Risk-Based Concentration*	Risk Estimate (min value = 21.4 ng/m^3)	Risk Estimate (max value = 68.9 ng/m^3)	Comment
ED = 30 years/ SF = 0.51 (mg/kg-day)$^{-1}$	13 ng/m^3	2.E-06	5.E-06	Upper bound ED; upper bound time-weighted SF (2 years child; 28 years adult)
ED = 9 years/ SF = 0.46 (mg/kg-day)$^{-1}$	48 ng/m^3	4.E-07	1.E-06	Central estimate ED; central estimate time-weighted SF (2 years child; 7 years adult)

Notes:
ED = exposure duration.
PRG = preliminary remediation goal.
SF = slope factor.
ng/m^3 = nanograms per cubic meter.
* = based on USEPA Region 9 methodology for PRGs and time-weighted SF approach used for Naval Station Treasure Island.

5.0 Conclusions

PCBs were not detected in outdoor background air but were detected in Building 84 indoor air samples at concentrations ranging from 21 to 69 ng/m^3. Using time-weighted slope factors, detected Building 84 indoor air PCB concentrations result in risk estimates of approximately 5×10^{-6} to 4×10^{-7}. The estimated hazard quotients are less than 1 (based on comparison to the USEPA Region 9 ambient air PRG for Aroclor-1254 = 73 ng/m^3).

The estimated potential risk associated with the hypothetical exposure of residential receptors at Building 84 under current conditions is at the low end of the risk-management range (maximum risk result was 5×10^{-6}). However, Building 84 will not be occupied for any use in its current condition. In the future, the proposed rehabilitation of Building 84 for residential use will result in: (1) removal of miscellaneous material and debris, (2) replacement of existing flooring, and (3) cleaning, repairing, and painting existing surfaces. Therefore, the potential risks to future residents is expected to be less than what are estimated based on current conditions. Because the estimated risks based on current conditions are already within the risk-management range for residential use, approval of an NFA for Building 84 is an appropriate finding. Consequently, we are requesting that DTSC issue an NFA determination for Building 84 AL#01 under CERCLA.

6.0 References

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Appendix A
Building 84 Air Sampling Data Validation Report

PCB in Air samples – LMI Building 84

PREPARED FOR: Vito D'Aurora/RDD

PREPARED BY: Terry Davis/LIT

DATE: June 07, 2004

Four air samples, including one set of field duplicates, were collected over a 24-hour period inside Building 84 on 11 May 2004. Two air samples were also concurrently collected outside the building to serve as background samples. The objective of the sampling and analysis effort was to determine if indoor air contained PCBs at concentrations above the ambient background levels.

The samples were sent to Alta Analytical Laboratory in El Dorado, CA for analysis for PCB congeners using EPA method 1668A. The data were validated by CH2M HILL.

The data show total PCB levels significantly above the background levels in each of the indoor samples. Several PCB congeners were detected in each of the indoor air samples. Total PCB concentrations ranged between 120 and 386 ng/sample. One congener was detected at a low level in each of the background samples, but did not appear to be indigenous since a similar concentration of the same congener was also detected in the field blank.

No significant data quality problems were identified during data validation. The data were qualified as estimated due to coelution or poor resolution of some congener peaks from adjacent closely-eluting peaks in the calibration standard and/or the samples. However, the data qualification does not significantly affect the conclusion that PCBs above background levels were definitely present in the indoor samples. The field duplicate data were precise.

PC.20 All PCB Sites

Data Quality Evaluation

SDG 24990 **Method** 1668A

Reviewer Terry Davis **Date** 6/4/2004 **Matrix** Air

Reviewed: _____

Field Samples

Field ID	QAQC Type	Field ID	QAQC Type	Field ID	QAQC Type
AIR					
84AB-AIR-107	EB				
84-AIR-101	N				
84-AIR-104	N				
84B-AIR-105	N				
84B-AIR-106	N				
84D-AIR-102	FD				
84T-AIR-103	N				

1. **Case Narrative Items of Interest** No case narrative was included in the data package.

2. **Blank Summary**

Field Blanks PCB 11 was detected above the reporting limit in the field blank The associated positive sample results equal to or less than 5 times the blank concentration have been flagged "U"

Method Blanks No target analytes were detected in the method blank

Blank Typ	Blank ID	Analyte	Result	ReportLimit	LabFlag	Units
EB	84FB-AIR-107	PCB-11	0 12	0 1		ng/Sample
EB	84FB AIR-107	Total diCB	0 12	0 1		ng/Sample
EB	84FB-AIR-107	Total PCB	0 12			ng/Sample

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates Not applicable

Matrix Spike None in this SDG

Matrix	*Sample ID*	*LR Type*	*Analyte*	*Result*	*MS/MSD Qualifier**	*Criteria*
AIR			PCB-26			
	84-AIR-101			4 53 ng/Sample	J	Integration biased
	84-AIR-104			6 39 ng/Sample	J	Integration biased
	84D-AIR-102			4 34 ng/Sample	J	Integration biased
	84T-AIR-103			1 8 ng/Sample	J	Integration biased
AIR			PCB-31			
	84-AIR-101			24 2 ng/Sample	J	Integration biased
	84-AIR-104			32 3 ng/Sample	J	Integration biased
	84D-AIR-102			22 4 ng/Sample	J	Integration biased
	84T-AIR-103			9 21 ng/Sample	J	Integration biased
AIR			PCB-34			
	84-AIR-101			0 0889 ng/Sample	J	Integration biased
	84-AIR-104			0 126 ng/Sample	J	Integration biased
	84D-AIR-102			0 0882 ng/Sample	J	Integration biased

AIR		PCB-47			
	84-AIR-101		2 25 ng/Sample	J	Integration biased
	84-AIR-104		3 18 ng/Sample	J	Integration biased
	84D-AIR-102		2 47 ng/Sample	J	Integration biased
	84T-AIR-103		1 12 ng/Sample	J	Integration biased
AIR		PCB-48/75			
	84-AIR-101		2 53 ng/Sample	J	Integration biased
	84-AIR-104		3 86 ng/Sample	J	Integration biased
	84D-AIR-102		2 82 ng/Sample	J	Integration biased
	84T-AIR-103		1 15 ng/Sample	J	Integration biased
AIR		PCB-52/69			
	84-AIR-101		7 57 ng/Sample	J	Integration biased
	84-AIR-104		11 1 ng/Sample	J	Integration biased
	84D-AIR-102		8 2 ng/Sample	J	Integration biased
	84T-AIR-103		3 2 ng/Sample	J	Integration biased
AIR		PCB-66			
	84-AIR-101		4 57 ng/Sample	J	Integration biased
	84-AIR-104		6 25 ng/Sample	J	Integration biased
	84D-AIR-102		4 59 ng/Sample	J	Integration biased
	84T-AIR-103		1 68 ng/Sample	J	Integration biased
AIR		PCB-70			
	84-AIR-101		5 88 ng/Sample	J	Integration biased
	84-AIR-104		8 05 ng/Sample	J	Integration biased
	84D-AIR-102		5 95 ng/Sample	J	Integration biased
	84T-AIR-103		2 2 ng/Sample	J	Integration biased
AIR		PCB-73			
	84-AIR-104		0 169 ng/Sample	J	Integration biased
	84D-AIR-102		0 124 ng/Sample	J	Integration biased
AIR		PCB-85/116			
	84-AIR-101		0 212 ng/Sample	J	Integration biased
	84D-AIR-102		0 215 ng/Sample	J	Integration biased
AIR		PCB-87/117/125			
	84-AIR-101		0 488 ng/Sample	J	Integration biased

	84-AIR-104		0.622 ng/Sample	J	Integration biased
	84D-AIR-102		0.528 ng/Sample	J	Integration biased
	84T-AIR-103		0.191 ng/Sample	J	Integration biased
AIR		PCB-88/91			
	84-AIR-101		0.272 ng/Sample	J	Integration biased
	84-AIR-104		0.379 ng/Sample	J	Integration biased
	84D-AIR-102		0.289 ng/Sample	J	Integration biased
	84T-AIR-103		0.128 ng/Sample	J	Integration biased
AIR		PCB-95/98/102			
	84-AIR-101		1.4 ng/Sample	J	Integration biased
	84-AIR-104		1.87 ng/Sample	J	Integration biased
	84D-AIR-102		1.51 ng/Sample	J	Integration biased
	84T-AIR-103		0.68 ng/Sample	J	Integration biased
AIR		PCB-99			
	84-AIR-101		0.554 ng/Sample	J	Integration biased
	84-AIR-104		0.68 ng/Sample	J	Integration biased
	84D-AIR-102		0.534 ng/Sample	J	Integration biased
	84T-AIR-103		0.221 ng/Sample	J	Integration biased
AIR		Total PCB			
	84-AIR-101		276 ng/Sample	J	Integration biased
	84-AIR-104		385 ng/Sample	J	Integration biased
	84D-AIR-102		284 ng/Sample	J	Integration biased
	84T-AIR-103		120 ng/Sample	J	Integration biased
AIR		Total pentaCB			
	84-AIR-101		7.45 ng/Sample	J	Integration biased
	84-AIR-104		9.18 ng/Sample	J	Integration biased
	84D-AIR-102		7.77 ng/Sample	J	Integration biased
	84T-AIR-103		2.86 ng/Sample	J	Integration biased
AIR		Total tetraCB			
	84-AIR-101		65.2 ng/Sample	J	Integration biased
	84-AIR-104		93.5 ng/Sample	J	Integration biased
	84D-AIR-102		69.3 ng/Sample	J	Integration biased
	84T-AIR-103		27 ng/Sample	J	Integration biased

AIR	Total trCB		
84-AIR-101	153 ng/Sample	J	Integration biased
84-AIR-104	214 ng/Sample	J	Integration biased
84D-AIR-102	154 ng/Sample	J	Integration biased
84T-AIR-103	63.8 ng/Sample	J	Integration biased

4. Laboratory Control Sample The raw data showed 19 1 ng/mL of PCB 5/8, but no recovery was reported for these congeners Upon inquiry, the laboratory indicated by electronic mail that it is challenging the validity of the true concentration on the label, and therefore has not been reporting the recovery for these congeners The manufacturer of the standard mix is looking into the problem The rest of the recoveries met the acceptance criteria

5. Surrogates All acceptance criteria were met.

6. Tuning and Mass Calibration All acceptance criteria were met.

7. Internal Standard All acceptance criteria were met.

8. Calibration Information

Initial Calibration All acceptance criteria were met

Continuing Calibration Alll acceptance criteria were met

9. Holding Time The holding time requirements were met

Field ID	LabsampleID	AnalysisDate	ExtractDate	Sample Date	Method Time	Actual HT
84-AIR-101	24990_5892_00:	5/19/2004	5/16/2004	5/11/2004	0	5

84-AIR 104	24990_5892_00:	5/19/2004	5/16/2004	5/11/2004	0	5
84B-AIR 105	24990_5892_00	5/19/2004	5/16/2004	5/11/2004	0	5
84B-AIR-106	24990_5892_00	5/19/2004	5/16/2004	5/11/2004	0	5
84D-AIR-102	24990_5892_00	5/19/2004	5/16/2004	5/11/2004	0	5
84FB-AIR-107	24990_5892_001	5/19/2004	5/16/2004	5/10/2004	0	6
84T-AIR-103	24990_5892_00	5/19/2004	5/16/2004	5/12/2004	0	4

10. Confirmation

Not applicable

11. Summary

General Comments

1) Full data validation was performed on this SDG
2) PCB 11 was detected above the reporting limit in the field blank The associated positive sample results equal to or less than 5 times the blank concentration have been flagged "U"
3) Several congeners coeluted, and were reported as such by the laboratory Some congeners had peaks that were not adequately resolved from adjacent closely-eluting peaks, affecting the accuracy of the integration in the standard and/or the samples The results of these congeners have been flagged as estimated.
4) The laboratory used some method modifications, such as monitoring different ions and using labeled standards for quantitation that are different from those specified in the method. In the reviewer's opinion, these modifications were within the EPA's concept of performance-based measurement system (PBMS), and did not adversely affect the quality of the data , PCB 11 was detected above the reporting limit in the field blank. The associated positive sample results equal to or less than 5 times the blank concentration have been flagged "U" , Target analytes were detected above the reporting limit in samples 84-AIR-101, 84-AIR-104, 84D-AIR-102, and 84T-AIR-103 These were the samples taken inside Building 84 PCB 11 was reported as having been detected in both background samples 84B-AIR-105 and 84B-AIR-106, but it did not appear to have been an indigenous component of these samples, as evident from its detection at a similar level in the field blank , No target analytes were detected in the method blank , The raw data showed 19 1 ng/mL of PCB 5/8, but no recovery was reported for these congeners Upon inquiry, the laboratory indicated by electronic mail that it is challenging the validity of the true concentration on the label, and therefore has not been reporting the recovery for these congeners The manufacturer of the standard mix is looking into the problem The rest of the recoveries met the acceptance criteria , The sample IDs shown on the COC for the following samples did not correspond with those on the sample labels 84AB-AIR-107 vs 84-FB-AIR-107, 84B-AIR-105 vs 84-AIR-105, 84B-AIR-106 vs 84-AIR-106

Data Package Completeness

The sample reports for 84D-AIR-102 and 84T-AIR-103 show recoveries of 13C-2,3,7,8-TCDD and 13C-2,3,7,8-TCDF as internal standards, and 37Cl-2,3,7,8-TCDD as a pre-

spiked ("CRS") standard. The raw data do not show these labeled standards. Upon inquiry, the laboratory indicated by electronic mail that their presence on the reports was due to a system error.

Forms Review/ Items of Interest

Target analytes were detected above the reporting limit in samples 84-AIR-101, 84-AIR-104, 84D-AIR-102, and 84T-AIR-103. These were the samples taken inside Building 84. PCB 11 was reported as having been detected in both background samples 84B-AIR-105 and 84B-AIR-106, but it did not appear to have been an indigenous component of these samples, as evident from its detection at a similar level in the field blank.

COC Review

The sample IDs shown on the COC for the following samples did not correspond with those on the sample labels: 84AB-AIR-107 vs. 84-FB-AIR-107; 84B-AIR-105 vs. 84-AIR-105; 84B-AIR-106 vs. 84-AIR-106.

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID 84-AIR-101

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	49 1					PERCENT	
13C-PCB-101	80 9					PERCENT	
13C-PCB-104	81 8					PERCENT	
13C-PCB-105	92 8					PERCENT	
13C-PCB-114	89 2					PERCENT	
13C-PCB-118	78 4					PERCENT	
13C-PCB-123	80 2					PERCENT	
13C-PCB-126	96					PERCENT	
13C-PCB-153	84 8					PERCENT	
13C-PCB-155	73 7					PERCENT	
13C-PCB-156	83 3					PERCENT	
13C-PCB-157	82 1					PERCENT	
13C-PCB-167	82 3					PERCENT	
13C-PCB-169	79 1					PERCENT	
13C-PCB-170	74 9					PERCENT	
13C-PCB 178	108					PERCENT	
13C-PCB-180	74					PERCENT	
13C-PCB-188	79 4					PERCENT	
13C-PCB-189	88 5					PERCENT	
13C-PCB-19	70 9					PERCENT	
13C-PCB-194	73 8					PERCENT	

dmoore4

Validated Form I

Field ID 84-AIR-101

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-202	75 3					PERCENT	
13C-PCB-206	78 4					PERCENT	
13C-PCB-208	66 9					PERCENT	
13C-PCB-209	69 8					PERCENT	
13C-PCB-28	71 4					PERCENT	
13C-PCB-3	64 9					PERCENT	
13C-PCB-32	74 3					PERCENT	
13C-PCB-37	75 8					PERCENT	
13C-PCB-4	61 8					PERCENT	
13C-PCB-52	99 7					PERCENT	
13C-PCB-54	68					PERCENT	
13C-PCB-77	76 4					PERCENT	
13C-PCB-81	76 3					PERCENT	
13C-PCB-9	68 1					PERCENT	
13C-PCB-95	81 1					PERCENT	
PCB-1	**1.6**			0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	**0.194**			0 1	0 1	ng/Sample	
PCB-106/118	**0 653**			0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	0 507	U		0 1	0 1	ng/Sample	EB>RL (U)
PCB-110	**1.02**			0 1	0 1	ng/Sample	
PCB-111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB 113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	**0.549**			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-101						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB-121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB-127	0 1	U	U	0 1	0 1	ng/Sample	
PCB-128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB-129	0 1	U	U	0 1	0 1	ng/Sample	
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	0.143			0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	0.106			0 1	0 1	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB 138/163/164	0.307			0 1	0 1	ng/Sample	
PCB-139/149	0.415			0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB 140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB 147	0 1	U	U	0 1	0 1	ng/Sample	
PCB-148	0 1	U	U	0 1	0 1	ng/Sample	
PCB-15	6.63			0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB 151	0 129			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-101						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	0.371			0 1	0 1	ng/Sample	
PCB-154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	17.3			0 05	0 05	ng/Sample	
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	11.4			0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB-174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	28			0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0 1	U	U	0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-101						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	2.77			0 05	0 05	ng/Sample	
PCB-190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	0.149			0 05	0 05	ng/Sample	
PCB-20/21/33	20.8			0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	10.1			0 05	0 05	ng/Sample	
PCB-23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	2 04			0 05	0 05	ng/Sample	
PCB-25	2.22			0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84-AIR-101

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-26	4.53	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-28	23.3			0 05	0 05	ng/Sample	
PCB-29	0.217			0 05	0 05	ng/Sample	
PCB-3	0.737			0 05	0 05	ng/Sample	
PCB-30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	24.2	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-34	0.0889	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-35	0.247			0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	
PCB-37	5.62			0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	8.28			0 1	0 1	ng/Sample	
PCB-40	1 68			0 1	0 1	ng/Sample	
PCB-41/64/71/72	8.03			0 1	0 1	ng/Sample	
PCB-42/59	3 51			0 1	0 1	ng/Sample	
PCB-43/49	7.19			0 1	0 1	ng/Sample	
PCB-44	8.04			0 1	0 1	ng/Sample	
PCB-45	2.28			0 1	0 1	ng/Sample	
PCB-46	0 92			0 1	0 1	ng/Sample	
PCB-47	2.25	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-48/75	2.53	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-5/8	25.4			0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0.644			0 1	0 1	ng/Sample	
PCB-52/69	7.57	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-53	1.81			0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0.196			0 1	0 1	ng/Sample	
PCB-56/60	4.21			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-101						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	4.15			0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0.244			0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	4.57	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-67	0.326			0 1	0 1	ng/Sample	
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	1.4			0 1	0 1	ng/Sample	
PCB-70	5.88	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-73	0 1	U	U	0 1	0 1	ng/Sample	
PCB-74	3.07			0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0.248			0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0.17			0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0.662			0 1	0 1	ng/Sample	
PCB-85/116	0.212	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0 488	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-88/91	0.272	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB 89	0 1	U	U	0 1	0 1	ng/Sample	
PCB 90/101	1 42			0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-101						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	1.4	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0.406			0 1	0 1	ng/Sample	
PCB-99	0.554	J		0 1	0 1	ng/Sample	Integration biased (J)
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	46.9			0 1	0 1	ng/Sample	
Total heptaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total hexaCB	1.47			0 1	0 1	ng/Sample	
Total monoCB	2.49			0 05	0 05	ng/Sample	
Total nonaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total octaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total PCB	276	J				ng/Sample	Integration biased (J)
Total pentaCB	7.45	J		0 1	0 1	ng/Sample	Integration biased (J)
Total tetraCB	65.2	J		0 1	0 1	ng/Sample	Integration biased (J)
Total triCB	153	J		0 05	0 05	ng/Sample	Integration biased (J)

46.9
- 0.507
46.39

dmoore4

Validated Form I

Field ID	84-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	66					PERCENT	
13C-PCB-101	80.4					PERCENT	
13C-PCB-104	83.2					PERCENT	
13C-PCB-105	96.6					PERCENT	
13C-PCB-114	90.3					PERCENT	
13C-PCB-118	74.7					PERCENT	
13C-PCB-123	74.7					PERCENT	
13C-PCB-126	97.7					PERCENT	
13C-PCB-153	83.3					PERCENT	
13C-PCB-155	72.3					PERCENT	
13C-PCB-156	93.7					PERCENT	
13C-PCB-157	91.2					PERCENT	
13C-PCB-167	83.6					PERCENT	
13C-PCB-169	89.5					PERCENT	
13C-PCB-170	81.6					PERCENT	
13C-PCB-178	92.1					PERCENT	
13C-PCB-180	82.4					PERCENT	
13C-PCB-188	75.3					PERCENT	
13C-PCB-189	109					PERCENT	
13C-PCB-19	69.9					PERCENT	
13C-PCB-194	67.2					PERCENT	
13C-PCB-202	80.4					PERCENT	
13C-PCB-206	73.7					PERCENT	
13C-PCB-208	60.8					PERCENT	
13C-PCB-209	65.1					PERCENT	
13C-PCB-28	73.9					PERCENT	
13C-PCB-3	66.7					PERCENT	
13C-PCB-32	76.1					PERCENT	
13C-PCB-37	77.4					PERCENT	
13C-PCB-4	63					PERCENT	

dmoore4

Validated Form I

Field ID	84-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-52	102					PERCENT	
13C-PCB-54	67 7					PERCENT	
13C-PCB-77	73 3					PERCENT	
13C-PCB-81	75 3					PERCENT	
13C-PCB-9	67 9					PERCENT	
13C-PCB-95	81 6					PERCENT	
PCB-1	2.21			0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	0.226			0 1	0 1	ng/Sample	
PCB-106/118	0.766			0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	0.645			0 1	0 1	ng/Sample	
PCB-110	1.25			0 1	0 1	ng/Sample	
PCB-111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB-113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	0.727			0 1	0 1	ng/Sample	
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB-121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB-127	0 1	U	U	0 1	0 1	ng/Sample	
PCB-128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB-129	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID: 84-AIR-104

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	0.176			0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	0 12	U	U	0 12	0 12	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB-138/163/164	0.38			0 1	0 1	ng/Sample	
PCB-139/149	0.517			0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB-140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB-147	0 1	U	U	0 1	0 1	ng/Sample	
PCB-148	0 1	U	U	0 1	0 1	ng/Sample	
PCB 15	9.07			0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB-151	0 163			0 1	0 1	ng/Sample	
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	0.469			0 1	0 1	ng/Sample	
PCB-154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	24.6			0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	16.1			0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB-174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	40 4			0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0.116			0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	4.07			0 05	0 05	ng/Sample	
PCB-190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	0.208			0 05	0 05	ng/Sample	
PCB-20/21/33	28.6			0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	14 4			0 05	0 05	ng/Sample	
PCB-23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	2.96			0 05	0 05	ng/Sample	
PCB-25	3.15			0 05	0 05	ng/Sample	
PCB-26	6 39	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-28	32.7			0 05	0 05	ng/Sample	
PCB-29	0.305			0 05	0 05	ng/Sample	
PCB-3	1 07			0 05	0 05	ng/Sample	
PCB-30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	32.3	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-34	0.126	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-35	0 329			0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID	S4-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-37	7.45			0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	12			0 1	0 1	ng/Sample	
PCB-40	2.4			0 1	0 1	ng/Sample	
PCB-41/64/71/72	11.2			0 1	0 1	ng/Sample	
PCB-42/59	5.12			0 1	0 1	ng/Sample	
PCB-43/49	10.7			0 1	0 1	ng/Sample	
PCB-44	11.7			0 1	0 1	ng/Sample	
PCB-45	3.44			0 1	0 1	ng/Sample	
PCB-46	1.39			0 1	0 1	ng/Sample	
PCB-47	3.18	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-48/75	3.86	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-5/8	33.9			0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0.937			0 1	0 1	ng/Sample	
PCB-52/69	11.1	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-53	2.67			0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0.27			0 1	0 1	ng/Sample	
PCB-56/60	5.63			0 1	0 1	ng/Sample	
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	5.42			0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0.346			0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	6.25	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-67	0.47			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 34-AIR-104

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	1.93			0 1	0 1	ng/Sample	
PCB-70	8.05	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-73	0.169	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-74	4.3			0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0.325			0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0.215			0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0.879			0 1	0 1	ng/Sample	
PCB-85/116	0 231	U	U	0 231	0 231	ng/Sample	
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0.622	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-88/91	0.379	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-89	0 1	U	U	0 1	0 1	ng/Sample	
PCB-90/101	1.79			0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	1.87	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0.506			0 1	0 1	ng/Sample	
PCB-99	0.68	J		0 1	0 1	ng/Sample	Integration biased (J)
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	63.7			0 1	0 1	ng/Sample	
Total heptaCB	0.116			0 1	0 1	ng/Sample	
Total hexaCB	1.7			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84-AIR-104						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
Total monoCB	3.49			0 05	0 05	ng/Sample	
Total nonaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total octaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total PCB	385	J				ng/Sample	Integration biased (J)
Total pentaCB	9.18	J		0 1	0 1	ng/Sample	Integration biased (J)
Total tetraCB	93.5	J		0 1	0 1	ng/Sample	Integration biased (J)
Total triCB	214	J		0 05	0 05	ng/Sample	Integration biased (J)

dmoore4

Validated Form I

Field ID	84B-AIR-105						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	70 4					PERCENT	
13C-PCB-101	82 4					PERCENT	
13C-PCB-104	85 7					PERCENT	
13C-PCB-105	97 4					PERCENT	
13C-PCB-114	95 1					PERCENT	
13C-PCB-118	78 8					PERCENT	
13C-PCB-123	82 4					PERCENT	
13C-PCB-126	99 3					PERCENT	
13C-PCB-153	85 7					PERCENT	
13C-PCB-155	74 3					PERCENT	
13C-PCB-156	95 9					PERCENT	
13C-PCB-157	89 1					PERCENT	
13C-PCB-167	79 5					PERCENT	
13C-PCB-169	88 6					PERCENT	
13C-PCB-170	81 7					PERCENT	
13C-PCB-178	96 1					PERCENT	
13C-PCB-180	78 2					PERCENT	
13C-PCB-188	78 1					PERCENT	
13C-PCB-189	113					PERCENT	
13C-PCB-19	77 5					PERCENT	
13C-PCB-194	69 6					PERCENT	
13C-PCB-202	82 9					PERCENT	
13C PCB-206	72 9					PERCENT	
13C-PCB-208	61 4					PERCENT	
13C PCB-209	65 8					PERCENT	
13C-PCB-28	74 7					PERCENT	
13C-PCB-3	74 3					PERCENT	
13C-PCB-32	81 8					PERCENT	
13C PCB-37	83 5					PERCENT	
13C PCB 4	73 5					PERCENT	

dmoore4

Validated Form I

Field ID	84B-AIR-105						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-52	101					PERCENT	
13C-PCB-54	70 8					PERCENT	
13C-PCB-77	77 7					PERCENT	
13C-PCB-81	80 2					PERCENT	
13C-PCB-9	76					PERCENT	
13C-PCB-95	81 6					PERCENT	
PCB-1	0 05	U	U	0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	0 1	U	U	0 1	0 1	ng/Sample	
PCB-106/118	0 1	U	U	0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	0 129	U		0 1	0 1	ng/Sample	EB>RL (U)
PCB-110	0 1	U	U	0 1	0 1	ng/Sample	
PCB-111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB-113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	0 1	U	U	0 1	0 1	ng/Sample	
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB 121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB-127	0 1	U	U	0 1	0 1	ng/Sample	
PCB-128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB-129	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	0 1	U	U	0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	0 1	U	U	0 1	0 1	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB-138/163/164	0 1	U	U	0 1	0 1	ng/Sample	
PCB-139/149	0 1	U	U	0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB-140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB-147	0 1	U	U	0 1	0 1	ng/Sample	
PCB 148	0 1	U	U	0 1	0 1	ng/Sample	
PCB-15	0 1	U	U	0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB-151	0 1	U	U	0 1	0 1	ng/Sample	
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	0 1	U	U	0 1	0 1	ng/Sample	
PCB-154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	0 05	U	U	0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB-174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	0 05	U	U	0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0 1	U	U	0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	0 05	U	U	0 05	0 05	ng/Sample	
PCB-190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	0 05	U	U	0 05	0 05	ng/Sample	
PCB-20/21/33	0 05	U	U	0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	0 05	U	U	0 05	0 05	ng/Sample	
PCB 23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	0 05	U	U	0 05	0 05	ng/Sample	
PCB-25	0 05	U	U	0 05	0 05	ng/Sample	
PCB-26	0 05	U	U	0 05	0 05	ng/Sample	
PCB-28	0 05	U	U	0 05	0 05	ng/Sample	
PCB-29	0 05	U	U	0 05	0 05	ng/Sample	
PCB-3	0 05	U	U	0 05	0 05	ng/Sample	
PCB-30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	0 05	U	U	0 05	0 05	ng/Sample	
PCB-34	0 05	U	U	0 05	0 05	ng/Sample	
PCB-35	0 05	U	U	0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-37	0 05	U	U	0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	0 1	U	U	0 1	0 1	ng/Sample	
PCB-40	0 1	U	U	0 1	0 1	ng/Sample	
PCB-41/64/71/72	0 1	U	U	0 1	0 1	ng/Sample	
PCB-42/59	0 1	U	U	0 1	0 1	ng/Sample	
PCB-43/49	0 1	U	U	0 1	0 1	ng/Sample	
PCB-44	0 1	U	U	0 1	0 1	ng/Sample	
PCB-45	0 1	U	U	0 1	0 1	ng/Sample	
PCB-46	0 1	U	U	0 1	0 1	ng/Sample	
PCB-47	0 1	U	U	0 1	0 1	ng/Sample	
PCB-48/75	0 1	U	U	0 1	0 1	ng/Sample	
PCB-5/8	0 1	U	U	0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0 1	U	U	0 1	0 1	ng/Sample	
PCB-52/69	0 1	U	U	0 1	0 1	ng/Sample	
PCB-53	0 1	U	U	0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0 1	U	U	0 1	0 1	ng/Sample	
PCB-56/60	0 1	U	U	0 1	0 1	ng/Sample	
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	0 1	U	U	0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0 1	U	U	0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	0 1	U	U	0 1	0 1	ng/Sample	
PCB-67	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	0 1	U	U	0 1	0 1	ng/Sample	
PCB-70	0 1	U	U	0 1	0 1	ng/Sample	
PCB-73	0 1	U	U	0 1	0 1	ng/Sample	
PCB-74	0 1	U	U	0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0 1	U	U	0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0 1	U	U	0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0 1	U	U	0 1	0 1	ng/Sample	
PCB-85/116	0 1	U	U	0 1	0 1	ng/Sample	
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0 1	U	U	0 1	0 1	ng/Sample	
PCB-88/91	0 1	U	U	0 1	0 1	ng/Sample	
PCB-89	0 1	U	U	0 1	0 1	ng/Sample	
PCB-90/101	0 1	U	U	0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	0 1	U	U	0 1	0 1	ng/Sample	
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0 1	U	U	0 1	0 1	ng/Sample	
PCB-99	0 1	U	U	0 1	0 1	ng/Sample	
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	0 129	U		0 1	0 1	ng/Sample	EB>RL (U)
Total heptaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total hexaCB	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID: 84B-AIR-105

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
Total monoCB	0 05	U	U	0 05	0 05	ng/Sample	
Total nonaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total octaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total PCB	0 129	U				ng/Sample	EB>RL (U)
Total pentaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total tetraCB	0 1	U	U	0 1	0 1	ng/Sample	
Total triCB	0.05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID	84B-AIR-106						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	62 5					PERCENT	
13C-PCB-101	77 9					PERCENT	
13C-PCB-104	80 3					PERCENT	
13C-PCB-105	93 1					PERCENT	
13C-PCB-114	90 3					PERCENT	
13C-PCB-118	74 8					PERCENT	
13C-PCB-123	78					PERCENT	
13C-PCB-126	97 2					PERCENT	
13C-PCB-153	80 8					PERCENT	
13C-PCB-155	67 1					PERCENT	
13C-PCB-156	97 3					PERCENT	
13C-PCB-157	88 3					PERCENT	
13C-PCB-167	76 1					PERCENT	
13C-PCB-169	84 9					PERCENT	
13C-PCB-170	78 9					PERCENT	
13C-PCB-178	98 3					PERCENT	
13C-PCB-180	73 8					PERCENT	
13C-PCB-188	74					PERCENT	
13C-PCB-189	99 4					PERCENT	
13C-PCB-19	75 3					PERCENT	
13C-PCB-194	67 5					PERCENT	
13C-PCB-202	84					PERCENT	
13C-PCB-206	75 3					PERCENT	
13C-PCB-208	60 7					PERCENT	
13C PCB-209	63 8					PERCENT	
13C-PCB-28	70 2					PERCENT	
13C-PCB-3	60 2					PERCENT	
13C-PCB-32	78 6					PERCENT	
13C-PCB-37	78 8					PERCENT	
13C-PCB-4	66 7					PERCENT	

dmoore4

Validated Form I

Field ID	84B-AIR-106						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-52	99 4					PERCENT	
13C-PCB-54	65 7					PERCENT	
13C-PCB-77	73 8					PERCENT	
13C-PCB-81	75 6					PERCENT	
13C-PCB-9	70 9					PERCENT	
13C-PCB-95	76 9					PERCENT	
PCB-1	0 05	U	U	0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	0 1	U	U	0 1	0 1	ng/Sample	
PCB-106/118	0 1	U	U	0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	0 12	U		0 1	0 1	ng/Sample	EB>RL (U)
PCB-110	0 1	U	U	0 1	0 1	ng/Sample	
PCB 111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB-113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	0 1	U	U	0 1	0 1	ng/Sample	
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB 121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB-127	0 1	U	U	0 1	0 1	ng/Sample	
PCB 128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB 129	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-106

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	0 1	U	U	0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	0 1	U	U	0 1	0 1	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB-138/163/164	0 1	U	U	0 1	0 1	ng/Sample	
PCB-139/149	0 1	U	U	0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB-140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB-147	0 1	U	U	0 1	0 1	ng/Sample	
PCB-148	0 1	U	U	0 1	0 1	ng/Sample	
PCB-15	0 1	U	U	0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB-151	0 1	U	U	0 1	0 1	ng/Sample	
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	0 1	U	U	0 1	0 1	ng/Sample	
PCB 154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-106

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	0 05	U	U	0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB-174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	0 05	U	U	0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0 1	U	U	0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	0 05	U	U	0 05	0 05	ng/Sample	
PCB-190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-106

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	0 05	U	U	0 05	0 05	ng/Sample	
PCB-20/21/33	0 05	U	U	0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	0 05	U	U	0 05	0 05	ng/Sample	
PCB-23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	0 05	U	U	0 05	0 05	ng/Sample	
PCB-25	0 05	U	U	0 05	0 05	ng/Sample	
PCB-26	0 05	U	U	0 05	0 05	ng/Sample	
PCB-28	0 05	U	U	0 05	0 05	ng/Sample	
PCB-29	0 05	U	U	0 05	0 05	ng/Sample	
PCB-3	0 05	U	U	0 05	0 05	ng/Sample	
PCB 30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	0 05	U	U	0 05	0 05	ng/Sample	
PCB-34	0 05	U	U	0 05	0 05	ng/Sample	
PCB-35	0 05	U	U	0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-106

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-37	0 05	U	U	0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	0 1	U	U	0 1	0 1	ng/Sample	
PCB-40	0 1	U	U	0 1	0 1	ng/Sample	
PCB-41/64/71/72	0 1	U	U	0 1	0 1	ng/Sample	
PCB-42/59	0 1	U	U	0 1	0 1	ng/Sample	
PCB-43/49	0 1	U	U	0 1	0 1	ng/Sample	
PCB-44	0 1	U	U	0 1	0 1	ng/Sample	
PCB-45	0 1	U	U	0 1	0 1	ng/Sample	
PCB-46	0 1	U	U	0 1	0 1	ng/Sample	
PCB-47	0 1	U	U	0 1	0 1	ng/Sample	
PCB-48/75	0 1	U	U	0 1	0 1	ng/Sample	
PCB-5/8	0 1	U	U	0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0 1	U	U	0 1	0 1	ng/Sample	
PCB-52/69	0 1	U	U	0 1	0 1	ng/Sample	
PCB-53	0 1	U	U	0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0 1	U	U	0 1	0 1	ng/Sample	
PCB-56/60	0 1	U	U	0 1	0 1	ng/Sample	
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	0 1	U	U	0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0 1	U	U	0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	0 1	U	U	0 1	0 1	ng/Sample	
PCB-67	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84B-AIR-106

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	0 1	U	U	0 1	0 1	ng/Sample	
PCB-70	0 1	U	U	0 1	0 1	ng/Sample	
PCB-73	0 1	U	U	0 1	0 1	ng/Sample	
PCB-74	0 1	U	U	0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0 1	U	U	0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0 1	U	U	0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0 1	U	U	0 1	0 1	ng/Sample	
PCB-85/116	0 1	U	U	0 1	0 1	ng/Sample	
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0 1	U	U	0 1	0 1	ng/Sample	
PCB-88/91	0 1	U	U	0 1	0 1	ng/Sample	
PCB-89	0 1	U	U	0 1	0 1	ng/Sample	
PCB-90/101	0 1	U	U	0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	0 1	U	U	0 1	0 1	ng/Sample	
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0 1	U	U	0 1	0 1	ng/Sample	
PCB-99	0 1	U	U	0 1	0 1	ng/Sample	
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	0 12	U		0 1	0 1	ng/Sample	EB>RL (U)
Total heptaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total hexaCB	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84B-AIR-106						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
Total monoCB	0 05	U	U	0 05	0 05	ng/Sample	
Total nonaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total octaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total PCB	0 12	U				ng/Sample	EB>RL (U)
Total pentaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total tetraCB	0 1	U	U	0 1	0 1	ng/Sample	
Total triCB	0 05	U	U	0 05	0 05	ng/Sample	

Validated Form I

Field ID 84D-AIR-102

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	56 3					PERCENT	
13C-PCB-101	76					PERCENT	
13C-PCB-104	75 8					PERCENT	
13C-PCB-105	85 7					PERCENT	
13C-PCB-114	85 7					PERCENT	
13C-PCB-118	71 2					PERCENT	
13C-PCB-123	71 9					PERCENT	
13C-PCB-126	93 4					PERCENT	
13C-PCB-153	73 9					PERCENT	
13C-PCB-155	66 6					PERCENT	
13C-PCB-156	92 6					PERCENT	
13C-PCB-157	85 8					PERCENT	
13C-PCB-167	79					PERCENT	
13C-PCB-169	87 7					PERCENT	
13C-PCB-170	80					PERCENT	
13C-PCB-178	96 9					PERCENT	
13C-PCB-180	75 3					PERCENT	
13C-PCB-188	66 7					PERCENT	
13C-PCB-189	98 9					PERCENT	
13C-PCB-19	60 3					PERCENT	
13C-PCB-194	70 5					PERCENT	
13C-PCB-202	76 7					PERCENT	
13C-PCB-206	76 4					PERCENT	
13C-PCB-208	65 4					PERCENT	
13C-PCB-209	66 1					PERCENT	
13C-PCB-28	70 2					PERCENT	
13C-PCB-3	56 2					PERCENT	
13C-PCB-32	66 4					PERCENT	
13C-PCB-37	72 3					PERCENT	
13C-PCB-4	52 3					PERCENT	

dmoore4

Validated Form I

Field ID	84D-AIR-102						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-52	94 8					PERCENT	
13C-PCB-54	59 2					PERCENT	
13C-PCB-77	71 1					PERCENT	
13C-PCB-81	73 2					PERCENT	
13C-PCB-9	56 3					PERCENT	
13C-PCB-95	74 7					PERCENT	
PCB-1	1.52			0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	0.197			0 1	0 1	ng/Sample	
PCB-106/118	0.684			0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	0 517	U		0 1	0 1	ng/Sample	EB>RL (U)
PCB-110	1.07			0 1	0 1	ng/Sample	
PCB-111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB-113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	0.579			0 1	0 1	ng/Sample	
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB-121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB-127	0 1	U	U	0 1	0 1	ng/Sample	
PCB-128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB-129	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84D-AIR-102						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	**0.139**			0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	**0.108**			0 1	0 1	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB-138/163/164	**0.336**			0 1	0 1	ng/Sample	
PCB-139/149	**0.417**			0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB-140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB 147	0 1	U	U	0 1	0 1	ng/Sample	
PCB-148	0 1	U	U	0 1	0 1	ng/Sample	
PCB-15	**7.11**			0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB 151	0 127	U	U	0 127	0 127	ng/Sample	
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	**0.385**			0 1	0 1	ng/Sample	
PCB-154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	**18 2**			0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID	84D-AIR-102						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	12			0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB 174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	29.3			0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0 113			0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	3 03			0 05	0 05	ng/Sample	
PCB-190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84D-AIR-102

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	0.154			0 05	0 05	ng/Sample	
PCB-20/21/33	20.1			0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	9.93			0 05	0 05	ng/Sample	
PCB-23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	2.14			0 05	0 05	ng/Sample	
PCB-25	2.19			0 05	0 05	ng/Sample	
PCB-26	4.34	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-28	23.7			0 05	0 05	ng/Sample	
PCB-29	0.209			0 05	0 05	ng/Sample	
PCB-3	0.789			0 05	0 05	ng/Sample	
PCB-30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	22.4	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-34	0.0882	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-35	0.251			0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84D-AIR-102

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-37	5.8			0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	8.94			0 1	0 1	ng/Sample	
PCB-40	1.78			0 1	0 1	ng/Sample	
PCB-41/64/71/72	8.55			0 1	0 1	ng/Sample	
PCB-42/59	3.81			0 1	0 1	ng/Sample	
PCB-43/49	7.86			0 1	0 1	ng/Sample	
PCB-44	8.72			0 1	0 1	ng/Sample	
PCB-45	2.39			0 1	0 1	ng/Sample	
PCB-46	0.98			0 1	0 1	ng/Sample	
PCB-47	2.47	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-48/75	2.82	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-5/8	25.9			0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0.661			0 1	0 1	ng/Sample	
PCB-52/69	8.2	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-53	1.91			0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0.186			0 1	0 1	ng/Sample	
PCB-56/60	4.31			0 1	0 1	ng/Sample	
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	4.17			0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0.235			0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	4.59	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-67	0.334			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID 84D-AIR-102

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	1.44			0 1	0 1	ng/Sample	
PCB-70	5.95	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-73	0.124	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-74	3.11			0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0.262			0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0.183			0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0 662			0 1	0 1	ng/Sample	
PCB-85/116	0 215	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0.528	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-88/91	0 289	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-89	0 1	U	U	0 1	0 1	ng/Sample	
PCB-90/101	1.48			0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	1.51	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0.415			0 1	0 1	ng/Sample	
PCB-99	0.534	J		0 1	0 1	ng/Sample	Integration biased (J)
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	48.7			0 1	0 1	ng/Sample	
Total heptaCB	0.113			0 1	0 1	ng/Sample	
Total hexaCB	1 39			0 1	0 1	ng/Sample	

dmoore4

48.7
0.517
48.18

Validated Form I

Field ID 84D-AIR-102

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
Total monoCB	2.47			0 05	0 05	ng/Sample	
Total nonaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total octaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total PCB	284	J				ng/Sample	Integration biased (J)
Total pentaCB	7.77	J		0 1	0 1	ng/Sample	Integration biased (J)
Total tetraCB	69.3	J		0 1	0 1	ng/Sample	Integration biased (J)
Total triCB	154	J		0 05	0 05	ng/Sample	Integration biased (J)

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Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-1	52.7					PERCENT	
13C-PCB-101	73.9					PERCENT	
13C-PCB-104	73.7					PERCENT	
13C-PCB-105	89.7					PERCENT	
13C-PCB-114	87.9					PERCENT	
13C-PCB-118	70.6					PERCENT	
13C-PCB-123	73.8					PERCENT	
13C-PCB-126	91.9					PERCENT	
13C-PCB-153	75.7					PERCENT	
13C-PCB-155	65.9					PERCENT	
13C-PCB-156	87.1					PERCENT	
13C-PCB-157	83.9					PERCENT	
13C-PCB-167	77.7					PERCENT	
13C-PCB-169	80.6					PERCENT	
13C-PCB-170	76.3					PERCENT	
13C-PCB-178	96.5					PERCENT	
13C-PCB-180	75.1					PERCENT	
13C-PCB-188	69.1					PERCENT	
13C-PCB-189	81					PERCENT	
13C-PCB-19	62.4					PERCENT	
13C-PCB-194	78.6					PERCENT	
13C-PCB-202	74.2					PERCENT	
13C-PCB-206	73.4					PERCENT	
13C-PCB-208	70.2					PERCENT	
13C-PCB-209	64.4					PERCENT	
13C-PCB-28	67.3					PERCENT	
13C-PCB-3	53.6					PERCENT	
13C-PCB-32	69.5					PERCENT	
13C-PCB-37	73.6					PERCENT	
13C-PCB-4	50.3					PERCENT	

dmoore4

Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
13C-PCB-52	94 4					PERCENT	
13C-PCB-54	59 4					PERCENT	
13C-PCB-77	71 4					PERCENT	
13C-PCB-81	71 6					PERCENT	
13C-PCB-9	54 5					PERCENT	
13C-PCB-95	73 2					PERCENT	
PCB-1	**0.969**			0 05	0 05	ng/Sample	
PCB-100	0 1	U	U	0 1	0 1	ng/Sample	
PCB-103	0 1	U	U	0 1	0 1	ng/Sample	
PCB-104	0 1	U	U	0 1	0 1	ng/Sample	
PCB-105	0 1	U	U	0 1	0 1	ng/Sample	
PCB-106/118	**0.19**			0 1	0 1	ng/Sample	
PCB-107/109	0 1	U	U	0 1	0 1	ng/Sample	
PCB-108/112	0 1	U	U	0 1	0 1	ng/Sample	
PCB-11	**0.89**			0 1	0 1	ng/Sample	
PCB-110	**0.38**			0 1	0 1	ng/Sample	
PCB-111/115	0 1	U	U	0 1	0 1	ng/Sample	
PCB-113	0 1	U	U	0 1	0 1	ng/Sample	
PCB-114	0 1	U	U	0 1	0 1	ng/Sample	
PCB-119	0 1	U	U	0 1	0 1	ng/Sample	
PCB-12/13	**0.253**			0 1	0 1	ng/Sample	
PCB-120	0 1	U	U	0 1	0 1	ng/Sample	
PCB-121	0 1	U	U	0 1	0 1	ng/Sample	
PCB-122	0 1	U	U	0 1	0 1	ng/Sample	
PCB-123	0 1	U	U	0 1	0 1	ng/Sample	
PCB-124	0 1	U	U	0 1	0 1	ng/Sample	
PCB-126	0 1	U	U	0 1	0 1	ng/Sample	
PCB 127	0 1	U	U	0 1	0 1	ng/Sample	
PCB 128/162	0 1	U	U	0 1	0 1	ng/Sample	
PCB-129	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-130	0 1	U	U	0 1	0 1	ng/Sample	
PCB-131	0 1	U	U	0 1	0 1	ng/Sample	
PCB-132/161	0 1	U	U	0 1	0 1	ng/Sample	
PCB-133/142	0 1	U	U	0 1	0 1	ng/Sample	
PCB-134/143	0 1	U	U	0 1	0 1	ng/Sample	
PCB-135	0 1	U	U	0 1	0 1	ng/Sample	
PCB-136	0 1	U	U	0 1	0 1	ng/Sample	
PCB-137	0 1	U	U	0 1	0 1	ng/Sample	
PCB-138/163/164	**0.107**			0 1	0 1	ng/Sample	
PCB-139/149	**0.182**			0 1	0 1	ng/Sample	
PCB-14	0 1	U	U	0 1	0 1	ng/Sample	
PCB-140	0 1	U	U	0 1	0 1	ng/Sample	
PCB-141	0 1	U	U	0 1	0 1	ng/Sample	
PCB-144	0 1	U	U	0 1	0 1	ng/Sample	
PCB-145	0 1	U	U	0 1	0 1	ng/Sample	
PCB-146/165	0 1	U	U	0 1	0 1	ng/Sample	
PCB-147	0 1	U	U	0 1	0 1	ng/Sample	
PCB-148	0 1	U	U	0 1	0 1	ng/Sample	
PCB-15	**2.96**			0 1	0 1	ng/Sample	
PCB-150	0 1	U	U	0 1	0 1	ng/Sample	
PCB-151	0 1	U	U	0 1	0 1	ng/Sample	
PCB-152	0 1	U	U	0 1	0 1	ng/Sample	
PCB-153	**0.139**			0 1	0 1	ng/Sample	
PCB-154	0 1	U	U	0 1	0 1	ng/Sample	
PCB-155	0 1	U	U	0 1	0 1	ng/Sample	
PCB-156	0 1	U	U	0 1	0 1	ng/Sample	
PCB-157	0 1	U	U	0 1	0 1	ng/Sample	
PCB-158/160	0 1	U	U	0 1	0 1	ng/Sample	
PCB-159	0 1	U	U	0 1	0 1	ng/Sample	
PCB-16/32	7 33			0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84T-AIR-103

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-166	0 1	U	U	0 1	0 1	ng/Sample	
PCB-167	0 1	U	U	0 1	0 1	ng/Sample	
PCB-168	0 1	U	U	0 1	0 1	ng/Sample	
PCB-169	0 1	U	U	0 1	0 1	ng/Sample	
PCB-17	4.83			0 05	0 05	ng/Sample	
PCB-170	0 1	U	U	0 1	0 1	ng/Sample	
PCB-171	0 1	U	U	0 1	0 1	ng/Sample	
PCB-172	0 1	U	U	0 1	0 1	ng/Sample	
PCB-173	0 1	U	U	0 1	0 1	ng/Sample	
PCB-174	0 1	U	U	0 1	0 1	ng/Sample	
PCB-175	0 1	U	U	0 1	0 1	ng/Sample	
PCB-176	0 1	U	U	0 1	0 1	ng/Sample	
PCB-177	0 1	U	U	0 1	0 1	ng/Sample	
PCB-178	0 1	U	U	0 1	0 1	ng/Sample	
PCB-179	0 1	U	U	0 1	0 1	ng/Sample	
PCB-18	12.3			0 05	0 05	ng/Sample	
PCB-180	0 1	U	U	0 1	0 1	ng/Sample	
PCB-181	0 1	U	U	0 1	0 1	ng/Sample	
PCB-182/187	0 1	U	U	0 1	0 1	ng/Sample	
PCB-183	0 1	U	U	0 1	0 1	ng/Sample	
PCB-184	0 1	U	U	0 1	0 1	ng/Sample	
PCB-185	0 1	U	U	0 1	0 1	ng/Sample	
PCB-186	0 1	U	U	0 1	0 1	ng/Sample	
PCB-188	0 1	U	U	0 1	0 1	ng/Sample	
PCB-189	0 1	U	U	0 1	0 1	ng/Sample	
PCB-19	1.34			0 05	0 05	ng/Sample	
PCB 190	0 1	U	U	0 1	0 1	ng/Sample	
PCB-191	0 1	U	U	0 1	0 1	ng/Sample	
PCB-192	0 1	U	U	0 1	0 1	ng/Sample	
PCB-193	0 1	U	U	0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-194	0 15	U	U	0 15	0 15	ng/Sample	
PCB-195	0 15	U	U	0 15	0 15	ng/Sample	
PCB-196/203	0 15	U	U	0 15	0 15	ng/Sample	
PCB-197	0 15	U	U	0 15	0 15	ng/Sample	
PCB-198	0 15	U	U	0 15	0 15	ng/Sample	
PCB-199	0 15	U	U	0 15	0 15	ng/Sample	
PCB-2	**0.101**			0 05	0 05	ng/Sample	
PCB-20/21/33	**9.13**			0 05	0 05	ng/Sample	
PCB-200	0 15	U	U	0 15	0 15	ng/Sample	
PCB-201	0 15	U	U	0 15	0 15	ng/Sample	
PCB-202	0 15	U	U	0 15	0 15	ng/Sample	
PCB-204	0 15	U	U	0 15	0 15	ng/Sample	
PCB-205	0 15	U	U	0 15	0 15	ng/Sample	
PCB-206	0 15	U	U	0 15	0 15	ng/Sample	
PCB-207	0 15	U	U	0 15	0 15	ng/Sample	
PCB-208	0 15	U	U	0 15	0 15	ng/Sample	
PCB-209	0 15	U	U	0 15	0 15	ng/Sample	
PCB-22	**4.42**			0 05	0 05	ng/Sample	
PCB-23	0 05	U	U	0 05	0 05	ng/Sample	
PCB-24/27	**0.898**			0 05	0 05	ng/Sample	
PCB-25	**0 956**			0 05	0 05	ng/Sample	
PCB-26	**1.8**	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-28	**9.4**			0 05	0 05	ng/Sample	
PCB-29	**0.0948**			0 05	0 05	ng/Sample	
PCB-3	**0.48**			0 05	0 05	ng/Sample	
PCB-30	0 05	U	U	0 05	0 05	ng/Sample	
PCB-31	**9.21**	J		0 05	0 05	ng/Sample	Integration biased (J)
PCB-34	0 05	U	U	0 05	0 05	ng/Sample	
PCB-35	**0.0995**			0 05	0 05	ng/Sample	
PCB-36	0 05	U	U	0 05	0 05	ng/Sample	

dmoore4

Validated Form I

Field ID 84T-AIR-103

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-37	2.05			0 05	0 05	ng/Sample	
PCB-38	0 05	U	U	0 05	0 05	ng/Sample	
PCB-39	0 05	U	U	0 05	0 05	ng/Sample	
PCB-4/10	5.45			0 1	0 1	ng/Sample	
PCB-40	0.757			0 1	0 1	ng/Sample	
PCB-41/64/71/72	3.45			0 1	0 1	ng/Sample	
PCB-42/59	1.58			0 1	0 1	ng/Sample	
PCB-43/49	3.13			0 1	0 1	ng/Sample	
PCB-44	3.53			0 1	0 1	ng/Sample	
PCB-45	0.973			0 1	0 1	ng/Sample	
PCB-46	0.403			0 1	0 1	ng/Sample	
PCB-47	1.12	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-48/75	1.15	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-5/8	11.8			0 1	0 1	ng/Sample	
PCB-50	0 1	U	U	0 1	0 1	ng/Sample	
PCB-51	0.282			0 1	0 1	ng/Sample	
PCB-52/69	3.2	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-53	0.787			0 1	0 1	ng/Sample	
PCB-54	0 1	U	U	0 1	0 1	ng/Sample	
PCB-55	0 1	U	U	0 1	0 1	ng/Sample	
PCB-56/60	1.51			0 1	0 1	ng/Sample	
PCB-57	0 1	U	U	0 1	0 1	ng/Sample	
PCB-58	0 1	U	U	0 1	0 1	ng/Sample	
PCB-6	1.95			0 1	0 1	ng/Sample	
PCB-61	0 1	U	U	0 1	0 1	ng/Sample	
PCB-62	0 1	U	U	0 1	0 1	ng/Sample	
PCB-63	0 1	U	U	0 1	0 1	ng/Sample	
PCB-65	0 1	U	U	0 1	0 1	ng/Sample	
PCB-66	1.68	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-67	0.137			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
PCB-68	0 1	U	U	0 1	0 1	ng/Sample	
PCB-7/9	0.682			0 1	0 1	ng/Sample	
PCB-70	2.2	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-73	0 1	U	U	0 1	0 1	ng/Sample	
PCB-74	1.14			0 1	0 1	ng/Sample	
PCB-76	0 1	U	U	0 1	0 1	ng/Sample	
PCB-77	0 1	U	U	0 1	0 1	ng/Sample	
PCB-78	0 1	U	U	0 1	0 1	ng/Sample	
PCB-79	0 1	U	U	0 1	0 1	ng/Sample	
PCB-80	0 1	U	U	0 1	0 1	ng/Sample	
PCB-81	0 1	U	U	0 1	0 1	ng/Sample	
PCB-82	0 1	U	U	0 1	0 1	ng/Sample	
PCB-83	0 1	U	U	0 1	0 1	ng/Sample	
PCB-84/92	0.283			0 1	0 1	ng/Sample	
PCB-85/116	0 1	U	U	0 1	0 1	ng/Sample	
PCB-86	0 1	U	U	0 1	0 1	ng/Sample	
PCB-87/117/125	0.191	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-88/91	0.128	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-89	0 1	U	U	0 1	0 1	ng/Sample	
PCB-90/101	0.624			0 1	0 1	ng/Sample	
PCB-93	0 1	U	U	0 1	0 1	ng/Sample	
PCB-94	0 1	U	U	0 1	0 1	ng/Sample	
PCB-95/98/102	0.68	J		0 1	0 1	ng/Sample	Integration biased (J)
PCB-96	0 1	U	U	0 1	0 1	ng/Sample	
PCB-97	0.161			0 1	0 1	ng/Sample	
PCB-99	0.221	J		0 1	0 1	ng/Sample	Integration biased (J)
Total decaCB	0 15	U	U	0 15	0 15	ng/Sample	
Total diCB	24			0 1	0 1	ng/Sample	
Total heptaCB	0 1	U	U	0 1	0 1	ng/Sample	
Total hexaCB	0 428			0 1	0 1	ng/Sample	

dmoore4

Validated Form I

Field ID	84T-AIR-103						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag
Total monoCB	1.55			0.05	0.05	ng/Sample	
Total nonaCB	0.15	U	U	0.15	0.15	ng/Sample	
Total octaCB	0.15	U	U	0.15	0.15	ng/Sample	
Total PCB	120	J				ng/Sample	Integration biased (J)
Total pentaCB	2.86	J		0.1	0.1	ng/Sample	Integration biased (J)
Total tetraCB	27	J		0.1	0.1	ng/Sample	Integration biased (J)
Total triCB	63.8	J		0.05	0.05	ng/Sample	Integration biased (J)

dmoore4

Validated Form I

Validation Flag Abbreviatio

Abbreviation	Validation Reason	Category
AB<RL	Ambient blank concentration less than RL	Blank
AB>RL	Ambient blank concentration greater than the RL	Blank
CCB<RL	Continuing calibration blank concentration less than RL	Blank
CCB>RL	Continuing calibration blank concentration exceeds the RL	Blank
EB<RL	Equipment blank concentration less than the RL	Blank
EB>RL	Equipment blank concentration greater than the RL	Blank
FB<RL	Field blank concentration less than RL	Blank
FB>RL	Field blank concentration greater than the RL	Blank
ICB<RL	Initial calibration blank concentration less than RL	Blank
LB<RL	Laboratory blank contamination less than the RL	Blank
LB>MDL	Laboratory blank contamination greater than the MDL	Blank
LB>RL	Laboratory blank contamination greater than the RL	Blank
NoLB	Laboratory blank was not analyzed	Blank
RemoveBLabFlag	Lab B flag removed - analyte not detected in sample	Blank
SuspectContam	Suspected lab contamination	Blank
TB<RL	Trip blank concentration less than RL	Blank
TB>RL	Trip blank concentration greater than the RL	Blank
TEMP>6C	Temperature Blank>6C	Blank
<IC	The result is below the calibration range	Calibration
>IC	Initial calibration low std greater than the RL	Calibration
>ICLinearRange	Result greater than linear calibration range	Calibration
>ICVS	Exceeds ICVS %D criteria	Calibration
CCC	CCC Failure	Calibration
CCV RRF	Continuing calibration relative response factor below LCL	Calibration
CCV%D	Continuing calibration %D exceeds control limit	Calibration
CCV<LCL	Continuing calibration recovery less than lower control limit	Calibration

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Validated Form I

CCV<RF	SPCC exceeds RF > 0 300 criteria	Calibration
CCV>UCL	Continuing calibration recovery greater than upper control limit	Calibration
CCVFrequency	Continuing calibration not analyzed at proper frequency	Calibration
CRDL<LCL	Detection Limit check standard recovered less than the lower control limit	Calibration
CRDL>UCL	Detection Limit check standard recovered greater than the upper control limit	Calibration
CVES	Calibration verification ending standard exceeded %D criteria	Calibration
IC bias	Initial calibration bias	Calibration
IC Replicate RSD	RSD of IC replicate injections >UCL	Calibration
IC RRF	Initial calibration relative response factor below LCL	Calibration
IC%RSD	Initial calibration RSD exceeded	Calibration
IC%RSDConfirm	Initial calibration RSD exceeded for confirmation column	Calibration
IC/CCV RRF	Calibration relative response factor below the LCL	Calibration
IC>RSD&R2	Exceeds RSD criteria and initial calibration exceeded the R2 for first order regres	Calibration
ICSAB<LCL	Interference Check Standard AB below lower control limit	Calibration
ICSAB>UCL	Interference Check Standard AB above upper control limit	Calibration
ICSS	Initial calibration verification standard was not analyzed	Calibration
ICV RRF	Initial calibration relative response factor below LCL	Calibration
ICV>R2	Initial Calibration exceeded the R2 for first order regression	Calibration
ICVS<LCL	Second source verification std recovery less than lower control limit	Calibration
ICVS>UCL	Second source verification std recovery greater than upper control limit	Calibration
NoCAL	No calibration analyzed in the analytical batch	Calibration
NoICS	No ICSA and ICSAB analyzed	Calibration
RE<IC	Sample response less than the response of the lowest standard of calibration cur	Calibration
ReplaceERFlag	Lab R flag removed - calibration range exceeded	Calibration
SPCC	SPCC Failure	Calibration
SSCV%D	Second source calibration exceeded %D criteria	Calibration
SSCV<LCL	Second source calibration verification standard less than the lower control limit	Calibration
SSCV>UCL	Second source calibration verification standard greater than the upper control limit	Calibration
CF	Confirmation result	Confirmation
CF>RPD	Confirmation Precision Exceeded	Confirmation
CFExclude	Exclude Confirmation Data	Confirmation

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Validated Form I

NoConf	Confirmation analysis not performed	Confirmation
RT_OUT	Result is outside the method specified retention time window	Confirmation
Lab Dup RPD	Lab duplicate exceeds RPD criteria	Duplicate
exclude	Data not used, another value is appropriate or data was not requested	Exclude
FD>RPD	Field duplicate exceeds RPD criteria	FieldDuplicate
HT>UCL	Holding time exceeded	HoldingTime
HTa>UCL	Holding time exceeded	HoldingTime
HTp>UCL	Holding time exceeded	HoldingTime
NotPres	Sample not properly preserved	HoldingTime
ReplaceHTRFlag	Lab R flag removed - holding time exceeded by less than 24 hrs	HoldingTime
ReplacePEHTRFlag	Lab R flag removed - PE sample	HoldingTime
IS<LCL	Internal standard response less than lower control limit	InternalStandard
IS>UCL	Internal standard response greater than upper control limit	InternalStandard
ReplaceISRFlag	Lab R flag removed - reanalysis confirmed matrix effect on IS	InternalStandard
ChangeR	Lab R flag removed - Recovery within lab control limits	LabControlLimits
LCS<LCL	LCS recovery less than lower control limit	LaboratoryControlSample
LCS>UCL	LCS recovery greater than upper control limit	LaboratoryControlSample
LCSD	LCSD not required No flags applied	LaboratoryControlSample
LCSDRPD	LCSD RPD criteria exceeded	LaboratoryControlSample
LCSRPD	LCSD RPD criteria exceeded	LaboratoryControlSample
NoLCS	No LCS in the analytical batch	LaboratoryControlSample
ReplaceRFlag	Lab R flag removed - recovery within lab control limits	LaboratoryControlSample
DUP>UCL	Laboratory Duplicate RPD greater than the UCL	Matrix
EMPC	Estimated Maximum Possible Concentration	Matrix
False negative	Analyte reported as not detected, but likely to be present	Matrix
Hetero	The matrix heterogeneous	Matrix
Integration biased	Integration biased due to interference	Matrix
MS<LCL	Matrix spike recovery less than lower limit	Matrix
MS>UCL	Matrix spike recovery greater than upper limit	Matrix
MSGlobal	Global matrix spike flagging	Matrix
MSRPD	Matrix spike RPD criteria exceedance	Matrix

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Validated Form I

NotSameMatrix	Matrix inappropriately flagged	Matrix
Poor Purge	Results biased due to poor purge	Matrix
PostSpike<LCL	Post spike exceeds LCL	Matrix
PostSpike>UCL	Post spike exceeds UCL	Matrix
RemoveMFlag	Lab M flag removed - matrix spike/duplicate not requested in this analytical batc	Matrix
ReplaceMFlag	Lab M flag removed - recovery within lab control limits	Matrix
Results highly variable	Multiple analyses indicate high variability	Matrix
SD<LCL	Matrix spike duplicate recovery criteria less than lower limit	Matrix
SD>UCL	Matrix spike duplicate recovery, greater than upper limit	Matrix
SerialDil>UCL	Serial Dilution greater than the upper limit	Matrix
Coelution	Compounds were reported combined on one column	Miscellaneous
RE	Re-extraction and/or re-analysis	Re-analysis
<RL	Result less than the RL	RL
>MDL<RL	Result between the MDL and RL	RL
RL<MDL	RL less than the MDL	RL
Screen	Screening method	Screening
RemoveRLabflag	Lab R flag removed - surrogate not monitored in QAPP	Surrogate
ReplaceSurRFlag	Lab R flag removed - reanalysis confirmed matrix effect on surrogate	Surrogate
Sur<LCL	Surrogate recovery less than lower limit	SurrogateRecovery
Sur>UCL	Surrogate recovery greater than upper limit	SurrogateRecovery
TIC	Tentatively identified compound	TentativelyIdentifiedCompound

Validated Form I

Qualifier Description:

J = The analyte was positively identified, the quantitation is an estimate.
U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit (MDL).
F = The analyte was positively identified but the associated numerical value is below the reporting limit (RL).
R = The data are unusable because of deficiencies in the ability to analyze the sample and meet quality control (QC) criteria.
B = The analyte was found in an associated blank, as well as in the sample.
M = A matrix effect was present.
S = To be applied to all field screening data.
T = Tentatively identified compound (using gas chromatography/mass spectrometry [GC/MS])
UM = Same as "U", and a matrix effect was present.
UB = Same as "U", and the analyte was found in an associated blank.
exclude = Data not used in risk assessment. More appropriate data exist for this analyte.
none = A flag is not applied. This placeholder is for calculating QC criteria issues without flagging.

* The most severe flag for each analyte becomes the final validation flag

Appendix B
Building 84 Air Sampling Laboratory Analytical Data

ALTA

May 24, 2004

Alta Project I.D.: 24990

Ms. Carla Duncan
CH2M Hill
5370 Kietzke Lane
Suite 200
Reno, NV 89511

Dear Ms. Duncan,

Enclosed are the results for the seven PUF samples received at Alta Analytical Laboratory on May 13, 2004 under your Project Name "Mare Island". This work was authorized under your Purchase Order No. 264204.PC.20. These samples were extracted and analyzed using EPA Method 1668 for 209 PCB congeners and homologue totals. A standard turnaround time was provided for this work.

The following report consists of a Sample Inventory (Section I), Analytical Results (Section II) and the Appendix, which contains the chain-of-custody, a list of data qualifiers and abbreviations, Alta's current certifications, and copies of the raw data (if requested).

Alta Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-933-1640 or by email at mmaier@altalab.com. Thank you for choosing Alta as part of your analytical support team.

Sincerely,

Martha Maier

Martha M. Maier
Director of HRMS Services

ACCREDITED IN ACCORDANCE WITH nelac

Alta Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. This report should not be reproduced except in full without the written approval of ALTA

Alta Analytical Laboratory Inc.
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El Dorado Hills, CA 95762
FAX (916) 673-0106
(916) 933-1640

ALTA

Sample Inventory Report:

Project No.: 24990 **Project Name:** Mare Island

Date Rec.: 5/13/2004

Lab. Sample ID	Client Sample ID	Component ID
001	84FB-AIR-107	PUF
002	84-AIR-101	PUF
003	84-AIR-104	PUF
004	84B-AIR-105	PUF
005	84B-AIR-106	PUF
006	84D-AIR-102	PUF
007	84T-AIR-103	PUF

Smplnvgnnm5.rpt

SECTION II

Method Blank								EPA Method 1668
Matrix:	PUF	QC Batch No.:	5892		Lab Sample:	0-MB001		
Sample Size:	1 Sample	Date Extracted:	16-May-04		Date Analyzed DB-1	19-May-04		

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	ND	0.0500		PCB-41/64/71/72	ND	0.100	
PCB-2	ND	0.0500		PCB-42/59	ND	0.100	
PCB-3	ND	0.0500		PCB-43/49	ND	0.100	
PCB-4/10	ND	0.100		PCB-44	ND	0.100	
PCB-5/8	ND	0.100		PCB-45	ND	0.100	
PCB-6	ND	0.100		PCB-46	ND	0.100	
PCB-7/9	ND	0.100		PCB-47	ND	0.100	
PCB-11	ND	0.100		PCB-48/75	ND	0.100	
PCB-12/13	ND	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	ND	0.100	
PCB-15	ND	0.100		PCB-52/69	ND	0.100	
PCB-16/32	ND	0.0500		PCB-53	ND	0.100	
PCB-17	ND	0.0500		PCB-54	ND	0.100	
PCB-18	ND	0.0500		PCB-55	ND	0.100	
PCB-19	ND	0.0500		PCB-56/60	ND	0.100	
PCB-20/21/33	ND	0.0500		PCB-57	ND	0.100	
PCB-22	ND	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	ND	0.0500		PCB-62	ND	0.100	
PCB-25	ND	0.0500		PCB-63	ND	0.100	
PCB-26	ND	0.0500		PCB-65	ND	0.100	
PCB-28	ND	0.0500		PCB-66	ND	0.100	
PCB-29	ND	0.0500		PCB-67	ND	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	ND	0.0500		PCB-70	ND	0.100	
PCB-34	ND	0.0500		PCB-73	ND	0.100	
PCB-35	ND	0.0500		PCB-74	ND	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	ND	0.0500		PCB-77	ND	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	ND	0.100		PCB-80	ND	0.100	

ALTA

Method Blank — EPA Method 1668

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-MB001
Sample Size:	1 Sample	Date Extracted:	16-May-04	Date Analyzed DB-1	19-May-04

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	ND	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	ND	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	ND	0.100		PCB-131	ND	0.100	
PCB-88/91	ND	0.100		PCB-132/161	ND	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	ND	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.100	
PCB-95/98/102	ND	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	ND	0.100	
PCB-97	ND	0.100		PCB-139/149	ND	0.100	
PCB-99	ND	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	ND	0.100		PCB-146/165	ND	0.100	
PCB-106/118	ND	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	ND	0.100		PCB-151	ND	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	ND	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

Method Blank — EPA Method 1668

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-MB001		
Sample Size:	1 Sample	Date Extracted:	16-May-04	Date Analyzed DB-1	19-May-04		

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100		PCB-199	ND	0.150	
PCB-167	ND	0.100		PCB-200	ND	0.150	
PCB-168	ND	0.100		PCB-201	ND	0.150	
PCB-169	ND	0.100		PCB-202	ND	0.150	
PCB-170	ND	0.100		PCB-204	ND	0.150	
PCB-171	ND	0.100		PCB-205	ND	0.150	
PCB-172	ND	0.100		PCB-206	ND	0.150	
PCB-173	ND	0.100		PCB-207	ND	0.150	
PCB-174	ND	0.100		PCB-208	ND	0.150	
PCB-175	ND	0.100		PCB-209	ND	0.150	
PCB-176	ND	0.100		Total monoCB	ND	0.0500	
PCB-177	ND	0.100		Total diCB	ND	0.100	
PCB-178	ND	0.100		Total triCB	ND	0.0500	
PCB-179	ND	0.100		Total tetraCB	ND	0.100	
PCB-180	ND	0.100		Total pentaCB	ND	0.100	
PCB-181	ND	0.100		Total hexaCB	ND	0.100	
PCB-182/187	ND	0.100		Total heptaCB	ND	0.100	
PCB-183	ND	0.100		Total octaCB	ND	0.150	
PCB-184	ND	0.100		Total nonaCB	ND	0.150	
PCB-185	ND	0.100		Total decaCB	ND	0.150	
PCB-186	ND	0.100		Total PCB	0.00		
PCB-188	ND	0.100					
PCB-189	ND	0.100					
PCB-190	ND	0.100					
PCB-191	ND	0.100					
PCB-192	ND	0.100					
PCB-193	ND	0.100					
PCB-194	ND	0.150					
PCB-195	ND	0.150					
PCB-196/203	ND	0.150					
PCB-197	ND	0.150					
PCB-198	ND	0.150					

ALTA

Method Blank — EPA Method 1668

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-MB001
Sample Size:	1 Sample	Date Extracted:	16-May-04	Date Analyzed DB-1	19-May-04

Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-1	48.1	25	150	
	13C-PCB-3	51.2	25	150	
	13C-PCB-4	46.8	25	150	
	13C-PCB-9	49.5	25	150	
	13C-PCB-19	52.0	25	150	
	13C-PCB-28	57.5	25	150	
	13C-PCB-32	55.8	25	150	
	13C-PCB-37	57.4	25	150	
	13C-PCB-54	53.0	25	150	
	13C-PCB-77	57.3	25	150	
	13C-PCB-81	58.7	25	150	
	13C-PCB-95	61.0	25	150	
	13C-PCB-101	61.4	25	150	
	13C-PCB-104	63.4	25	150	
	13C-PCB-105	69.8	25	150	
	13C-PCB-114	65.6	25	150	
	13C-PCB-118	57.4	25	150	
	13C-PCB-123	58.3	25	150	
	13C-PCB-126	74.6	25	150	
	13C-PCB-153	59.2	25	150	
	13C-PCB-155	54.9	25	150	
	13C-PCB-156	64.2	25	150	
	13C-PCB-157	64.6	25	150	
	13C-PCB-167	65.1	25	150	
	13C-PCB-169	66.6	25	150	
	13C-PCB-170	64.6	25	150	
	13C-PCB-180	62.5	25	150	
	13C-PCB-188	52.5	25	150	
	13C-PCB-189	68.1	25	150	
	13C-PCB-194	62.8	25	150	

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-MB001
Sample Size:	1 Sample	Date Extracted:	16-May-04	Date Analyzed DB-1	19-May-04

Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-202	58.9	25	150	
	13C-PCB-208	56.8	25	150	
	13C-PCB-206	63.2	25	150	
	13C-PCB-209	56.4	25	150	
CRS	13C-PCB-52	125	30	135	
	13C-PCB-178	116	30	135	

ALTA

OPR Results — EPA Method 1668

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-OPR001
Sample Size:	Sample	Date Extracted:	16-May-04	Date Analyzed DB-1:	19-May-04

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
PCB-1	50.0	44.3	25 - 75
PCB-3	50.0	47.6	25 - 75
PCB-15	50.0	39.0	25 - 75
PCB-18	50.0	48.6	25 - 75
PCB-20/21/33	50.0	44.8	25 - 75
PCB-22	50.0	45.5	25 - 75
PCB-28	50.0	41.0	25 - 75
PCB-31	50.0	41.5	25 - 75
PCB-37	50.0	44.7	25 - 75
PCB-41/64/71/72	50.0	61.9	25 - 75
PCB-42/59	50.0	45.9	25 - 75
PCB-43/49	50.0	60.7	25 - 75
PCB-44	50.0	57.4	25 - 75
PCB-47	50.0	59.1	25 - 75
PCB-52/69	50.0	50.0	25 - 75
PCB-56/60	50.0	50.4	25 - 75
PCB-66	50.0	43.1	25 - 75
PCB-70	50.0	48.5	25 - 75
PCB-74	50.0	48.9	25 - 75
PCB-77	50.0	47.7	25 - 75
PCB-80	50.0	44.8	25 - 75
PCB-81	50.0	46.0	25 - 75
PCB-82	50.0	51.9	25 - 75
PCB-84/92	100	91.4	50 - 150
PCB-86	50.0	43.8	25 - 75
PCB-87/117/125	50.0	36.1	25 - 75
PCB-88/91	50.0	47.3	25 - 75
PCB-90/101	100	89.1	50 - 150
PCB-95/98/102	50.0	56.2	25 - 75
PCB-97	50.0	46.0	25 - 75
PCB-99	50.0	44.5	25 - 75
PCB-105	50.0	40.0	25 - 75
PCB-106/118	50.0	49.0	25 - 75
PCB-110	50.0	42.7	25 - 75
PCB-111/115	50.0	43.6	25 - 75
PCB-114	50.0	40.4	25 - 75
PCB-119	50.0	48.4	25 - 75
PCB-120	50.0	38.1	25 - 75

	Internal Standard	%R	LCL-UCL	IS Qualifiers
IS	13C-PCB-1	73.2	25 - 150	
	13C-PCB-3	70.4	25 - 150	
	13C-PCB-4	65.2	25 - 150	
	13C-PCB-9	66.8	25 - 150	
	13C-PCB-19	74.9	25 - 150	
	13C-PCB-28	74.3	25 - 150	
	13C-PCB-32	79.1	25 - 150	
	13C-PCB-37	77.1	25 - 150	
	13C-PCB-54	64.4	25 - 150	
	13C-PCB-77	71.6	25 - 150	
	13C-PCB-81	73.3	25 - 150	
	13C-PCB-95	80.5	25 - 150	
	13C-PCB-101	76.9	25 - 150	
	13C-PCB-104	80.0	25 - 150	
	13C-PCB-105	87.4	25 - 150	
	13C-PCB-114	85.7	25 - 150	
	13C-PCB-118	71.1	25 - 150	
	13C-PCB-123	72.5	25 - 150	
	13C-PCB-126	95.0	25 - 150	
	13C-PCB-153	73.4	25 - 150	
	13C-PCB-155	69.7	25 - 150	
	13C-PCB-156	84.4	25 - 150	
	13C-PCB-157	83.6	25 - 150	
	13C-PCB-167	82.8	25 - 150	
	13C-PCB-169	83.8	25 - 150	
	13C-PCB-170	80.5	25 - 150	
	13C-PCB-180	79.3	25 - 150	
	13C-PCB-188	68.0	25 - 150	
	13C-PCB-189	85.7	25 - 150	
	13C-PCB-194	81.3	25 - 150	
	13C-PCB-202	75.0	25 - 150	
	13C-PCB-208	73.0	25 - 150	
	13C-PCB-206	81.6	25 - 150	
	13C-PCB-209	74.1	25 - 150	

Approved by: William J. Luksemburg 21-May-2004 14:14

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-OPR001
Sample Size:	Sample	Date Extracted:	16-May-04	Date Analyzed DB-1:	19-May-04

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
PCB-123	50.0	44.6	25 - 75
PCB-126	50.0	39.7	25 - 75
PCB-127	50.0	41.8	25 - 75
PCB-128/162	50.0	38.4	25 - 75
PCB-132/161	50.0	35.9	25 - 75
PCB-135	50.0	48.2	25 - 75
PCB-136	50.0	45.2	25 - 75
PCB-137	50.0	49.1	25 - 75
PCB-138/163/164	50.0	43.2	25 - 75
PCB-139/149	50.0	44.7	25 - 75
PCB-141	50.0	46.0	25 - 75
PCB-146/165	50.0	43.7	25 - 75
PCB-151	50.0	45.6	25 - 75
PCB-153	50.0	48.8	25 - 75
PCB-156	50.0	49.0	25 - 75
PCB-157	50.0	49.7	25 - 75
PCB-158/160	50.0	53.3	25 - 75
PCB-166	50.0	45.9	25 - 75
PCB-167	50.0	50.4	25 - 75
PCB-168	50.0	50.6	25 - 75
PCB-169	50.0	47.9	25 - 75
PCB-170	50.0	47.7	25 - 75
PCB-171	50.0	45.0	25 - 75
PCB-174	50.0	45.9	25 - 75
PCB-177	50.0	44.3	25 - 75
PCB-178	50.0	51.3	25 - 75
PCB-179	50.0	47.5	25 - 75
PCB-180	125	119	62.5 - 187.5
PCB-182/187	50.0	49.5	25 - 75
PCB-183	50.0	60.8	25 - 75
PCB-184	50.0	46.8	25 - 75
PCB-185	50.0	48.5	25 - 75
PCB-189	50.0	45.6	25 - 75
PCB-190	50.0	45.7	25 - 75
PCB-191	50.0	45.5	25 - 75
PCB-194	50.0	45.8	25 - 75
PCB-195	50.0	43.9	25 - 75
PCB-196/203	100	94.9	50 - 150

ALTA

OPR Results — EPA Method 1668

Matrix:	PUF	QC Batch No.:	5892	Lab Sample:	0-OPR001
Sample Size:	Sample	Date Extracted:	16-May-04	Date Analyzed DB-1:	19-May-04

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
PCB-198	50.0	49.8	25 - 75
PCB-199	50.0	48.6	25 - 75
PCB-201	50.0	52.0	25 - 75
PCB-202	50.0	50.6	25 - 75
PCB-205	50.0	45.6	25 - 75
PCB-206	50.0	53.1	25 - 75
PCB-207	50.0	55.6	25 - 75
PCB-208	50.0	48.5	25 - 75
PCB-209	50.0	44.9	25 - 75

Chemist: RAS

Approved by: William J. Luksemburg 21-May-2004 14:14

Sample ID	841B-AIR-107	EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-001	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	10-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1445						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	ND	0.0500		PCB-41/64/71/72	ND	0.100	
PCB-2	ND	0.0500		PCB-42/59	ND	0.100	
PCB-3	ND	0.0500		PCB-43/49	ND	0.100	
PCB-4/10	ND	0.100		PCB-44	ND	0.100	
PCB-5/8	ND	0.100		PCB-45	ND	0.100	
PCB-6	ND	0.100		PCB-46	ND	0.100	
PCB-7/9	ND	0.100		PCB-47	ND	0.100	
PCB-11	0.120	0.100		PCB-48/75	ND	0.100	
PCB-12/13	ND	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	ND	0.100	
PCB-15	ND	0.100		PCB-52/69	ND	0.100	
PCB-16/32	ND	0.0500		PCB-53	ND	0.100	
PCB-17	ND	0.0500		PCB-54	ND	0.100	
PCB-18	ND	0.0500		PCB-55	ND	0.100	
PCB-19	ND	0.0500		PCB-56/60	ND	0.100	
PCB-20/21/33	ND	0.0500		PCB-57	ND	0.100	
PCB-22	ND	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	ND	0.0500		PCB-62	ND	0.100	
PCB-25	ND	0.0500		PCB-63	ND	0.100	
PCB-26	ND	0.0500		PCB-65	ND	0.100	
PCB-28	ND	0.0500		PCB-66	ND	0.100	
PCB-29	ND	0.0500		PCB-67	ND	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	ND	0.0500		PCB-70	ND	0.100	
PCB-34	ND	0.0500		PCB-73	ND	0.100	
PCB-35	ND	0.0500		PCB-74	ND	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	ND	0.0500		PCB-77	ND	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	ND	0.100		PCB-80	ND	0.100	

ALTA

Sample ID:	84FB-AIR-107	EPA Method 1668

Client Data

Name: CH2M Hill
Project: Mare Island
Date Collected: 10-May-04
Time Collected: 1445

Sample Data

Matrix: PUF
Sample Size: 1 Sample

Laboratory Data

Lab Sample: 24990-001
QC Batch No.: 5892
Date Analyzed DB-1 19-May-04
Date Received: 13-May-04
Date Extracted: 16-May-04

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	ND	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	ND	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	ND	0.100		PCB-131	ND	0.100	
PCB-88/91	ND	0.100		PCB-132/161	ND	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	ND	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.100	
PCB-95/98/102	ND	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	ND	0.100	
PCB-97	ND	0.100		PCB-139/149	ND	0.100	
PCB-99	ND	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	ND	0.100		PCB-146/165	ND	0.100	
PCB-106/118	ND	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	ND	0.100		PCB-151	ND	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	ND	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

Sample ID	24EB-AIR-10	EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-001	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	10-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1445						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100		PCB-199	ND	0.150	
PCB-167	ND	0.100		PCB-200	ND	0.150	
PCB-168	ND	0.100		PCB-201	ND	0.150	
PCB-169	ND	0.100		PCB-202	ND	0.150	
PCB-170	ND	0.100		PCB-204	ND	0.150	
PCB-171	ND	0.100		PCB-205	ND	0.150	
PCB-172	ND	0.100		PCB-206	ND	0.150	
PCB-173	ND	0.100		PCB-207	ND	0.150	
PCB-174	ND	0.100		PCB-208	ND	0.150	
PCB-175	ND	0.100		PCB-209	ND	0.150	
PCB-176	ND	0.100		Total monoCB	ND	0.0500	
PCB-177	ND	0.100		Total diCB	0.120	0.100	
PCB-178	ND	0.100		Total triCB	ND	0.0500	
PCB-179	ND	0.100		Total tetraCB	ND	0.100	
PCB-180	ND	0.100		Total pentaCB	ND	0.100	
PCB-181	ND	0.100		Total hexaCB	ND	0.100	
PCB-182/187	ND	0.100		Total heptaCB	ND	0.100	
PCB-183	ND	0.100		Total octaCB	ND	0.150	
PCB-184	ND	0.100		Total nonaCB	ND	0.150	
PCB-185	ND	0.100		Total decaCB	ND	0.150	
PCB-186	ND	0.100		Total PCB	0.120		
PCB-188	ND	0.100					
PCB-189	ND	0.100					
PCB-190	ND	0.100					
PCB-191	ND	0.100					
PCB-192	ND	0.100					
PCB-193	ND	0.100					
PCB-194	ND	0.150					
PCB-195	ND	0.150					
PCB-196/203	ND	0.150					
PCB-197	ND	0.150					
PCB-198	ND	0.150					

ALTA

Sample ID: 84FB-AIR-107	EPA Method 1668

Client Data
Name: CH2M Hill
Project: Mare Island
Date Collected: 10-May-04
Time Collected: 1445

Sample Data
Matrix: PUF
Sample Size: 1 Sample

Laboratory Data
Lab Sample: 24990-001 Date Received: 13-May-04
QC Batch No.: 5892 Date Extracted: 16-May-04
Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-1	44.5	25	150	
	13C-PCB-3	57.6	25	150	
	13C-PCB-4	53.7	25	150	
	13C-PCB-9	60.3	25	150	
	13C-PCB-19	64.8	25	150	
	13C-PCB-28	70.4	25	150	
	13C-PCB-32	72.9	25	150	
	13C-PCB-37	73.1	25	150	
	13C-PCB-54	66.5	25	150	
	13C-PCB-77	70.3	25	150	
	13C-PCB-81	72.0	25	150	
	13C-PCB-95	78.0	25	150	
	13C-PCB-101	77.5	25	150	
	13C-PCB-104	81.2	25	150	
	13C-PCB-105	83.8	25	150	
	13C-PCB-114	79.5	25	150	
	13C-PCB-118	72.4	25	150	
	13C-PCB-123	73.1	25	150	
	13C-PCB-126	85.9	25	150	
	13C-PCB-153	77.0	25	150	
	13C-PCB-155	70.7	25	150	
	13C-PCB-156	69.7	25	150	
	13C-PCB-157	67.9	25	150	
	13C-PCB-167	71.8	25	150	
	13C-PCB-169	71.1	25	150	
	13C-PCB-170	68.1	25	150	
	13C-PCB-180	64.9	25	150	
	13C-PCB-188	69.8	25	150	
	13C-PCB-189	75.6	25	150	
	13C-PCB-194	69.6	25	150	

Sample ID: 34FB-AIR-107 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-001	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	10-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1445						

Internal Standard		% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-202	64.8	25	150	
	13C-PCB-208	64.8	25	150	
	13C-PCB-206	74.4	25	150	
	13C-PCB-209	65.9	25	150	
CRS	13C-PCB-52	104	30	135	
	13C-PCB-178	112	30	135	

ALTA

Sample ID: 34-AIR-101			EPA Method 1668
Client Data	**Sample Data**	**Laboratory Data**	
Name: CH2M Hill	Matrix: PUF	Lab Sample: 24990-002	Date Received: 13-May-04
Project: Mare Island	Sample Size: 1 Sample	QC Batch No.: 5892	Date Extracted: 16-May-04
Date Collected: 11-May-04		Date Analyzed DB-1 19-May-04	
Time Collected: 1259			

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	1.60	0.0500		PCB-41/64/71/72	8.03	0.100	
PCB-2	0.149	0.0500		PCB-42/59	3.51	0.100	
PCB-3	0.737	0.0500		PCB-43/49	7.19	0.100	
PCB-4/10	8.28	0.100		PCB-44	8.04	0.100	
PCB-5/8	25.4	0.100		PCB-45	2.28	0.100	
PCB-6	4.15	0.100		PCB-46	0.920	0.100	
PCB-7/9	1.40	0.100		PCB-47	2.25	0.100	
PCB-11	0.507	0.100		PCB-48/75	2.53	0.100	
PCB-12/13	0.549	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	0.644	0.100	
PCB-15	6.63	0.100		PCB-52/69	7.57	0.100	
PCB-16/32	17.3	0.0500		PCB-53	1.81	0.100	
PCB-17	11.4	0.0500		PCB-54	ND	0.100	
PCB-18	28.0	0.0500		PCB-55	0.196	0.100	
PCB-19	2.77	0.0500		PCB-56/60	4.21	0.100	
PCB-20/21/33	20.8	0.0500		PCB-57	ND	0.100	
PCB-22	10.1	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	2.04	0.0500		PCB-62	ND	0.100	
PCB-25	2.22	0.0500		PCB-63	0.244	0.100	
PCB-26	4.53	0.0500		PCB-65	ND	0.100	
PCB-28	23.3	0.0500		PCB-66	4.57	0.100	
PCB-29	0.217	0.0500		PCB-67	0.326	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	24.2	0.0500		PCB-70	5.88	0.100	
PCB-34	0.0889	0.0500		PCB-73	ND	0.100	
PCB-35	0.247	0.0500		PCB-74	3.07	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	5.62	0.0500		PCB-77	0.248	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	1.68	0.100		PCB-80	ND	0.100	

Sample ID: 84-AIR-101 EPA Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-002	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1259						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	0.170	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	0.662	0.100		PCB-128/162	ND	0.100	
PCB-85/116	0.212	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	0.488	0.100		PCB-131	ND	0.100	
PCB-88/91	0.272	0.100		PCB-132/161	0.143	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	1.42	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	0.106	0.100	
PCB-95/98/102	1.40	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	0.307	0.100	
PCB-97	0.406	0.100		PCB-139/149	0.415	0.100	
PCB-99	0.554	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	0.194	0.100		PCB-146/165	ND	0.100	
PCB-106/118	0.653	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	1.02	0.100		PCB-151	0.129	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	0.371	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

ALTA

Sample ID: 84-ATR-101 — EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-002	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1259						

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100	
PCB-167	ND	0.100	
PCB-168	ND	0.100	
PCB-169	ND	0.100	
PCB-170	ND	0.100	
PCB-171	ND	0.100	
PCB-172	ND	0.100	
PCB-173	ND	0.100	
PCB-174	ND	0.100	
PCB-175	ND	0.100	
PCB-176	ND	0.100	
PCB-177	ND	0.100	
PCB-178	ND	0.100	
PCB-179	ND	0.100	
PCB-180	ND	0.100	
PCB-181	ND	0.100	
PCB-182/187	ND	0.100	
PCB-183	ND	0.100	
PCB-184	ND	0.100	
PCB-185	ND	0.100	
PCB-186	ND	0.100	
PCB-188	ND	0.100	
PCB-189	ND	0.100	
PCB-190	ND	0.100	
PCB-191	ND	0.100	
PCB-192	ND	0.100	
PCB-193	ND	0.100	
PCB-194	ND	0.150	
PCB-195	ND	0.150	
PCB-196/203	ND	0.150	
PCB-197	ND	0.150	
PCB-198	ND	0.150	

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-199	ND	0.150	
PCB-200	ND	0.150	
PCB-201	ND	0.150	
PCB-202	ND	0.150	
PCB-204	ND	0.150	
PCB-205	ND	0.150	
PCB-206	ND	0.150	
PCB-207	ND	0.150	
PCB-208	ND	0.150	
PCB-209	ND	0.150	
Total monoCB	2.49	0.0500	
Total diCB	46.9	0.100	
Total triCB	153	0.0500	
Total tetraCB	65.2	0.100	
Total pentaCB	7.45	0.100	
Total hexaCB	1.47	0.100	
Total heptaCB	ND	0.100	
Total octaCB	ND	0.150	
Total nonaCB	ND	0.150	
Total decaCB	ND	0.150	
Total PCB	277		

Sample ID: [illegible] EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-002	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1259						

	Internal Standard	% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-1	49.1	25	150	
	13C-PCB-3	64.9	25	150	
	13C-PCB-4	61.8	25	150	
	13C-PCB-9	68.1	25	150	
	13C-PCB-19	70.9	25	150	
	13C-PCB-28	71.4	25	150	
	13C-PCB-32	74.3	25	150	
	13C-PCB-37	75.8	25	150	
	13C-PCB-54	68.0	25	150	
	13C-PCB-77	76.4	25	150	
	13C-PCB-81	76.3	25	150	
	13C-PCB-95	81.1	25	150	
	13C-PCB-101	80.9	25	150	
	13C-PCB-104	81.8	25	150	
	13C-PCB-105	92.8	25	150	
	13C-PCB-114	89.2	25	150	
	13C-PCB-118	78.4	25	150	
	13C-PCB-123	80.2	25	150	
	13C-PCB-126	96.0	25	150	
	13C-PCB-153	84.8	25	150	
	13C-PCB-155	73.7	25	150	
	13C-PCB-156	83.3	25	150	
	13C-PCB-157	82.1	25	150	
	13C-PCB-167	82.3	25	150	
	13C-PCB-169	79.1	25	150	
	13C-PCB-170	74.9	25	150	
	13C-PCB-180	74.0	25	150	
	13C-PCB-188	79.4	25	150	
	13C-PCB-189	88.5	25	150	
	13C-PCB-194	73.8	25	150	

ALTA

Sample ID: 34-AIR-101 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-002	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1259						

Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-202	75.3	25	150	
	13C-PCB-208	66.9	25	150	
	13C-PCB-206	78.4	25	150	
	13C-PCB-209	69.8	25	150	
CRS	13C-PCB-52	99.7	30	135	
	13C-PCB-178	108	30	135	

Sample ID:	[illegible]	EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-003	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1310						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	2.21	0.0500		PCB-41/64/71/72	11.2	0.100	
PCB-2	0.208	0.0500		PCB-42/59	5.12	0.100	
PCB-3	1.07	0.0500		PCB-43/49	10.7	0.100	
PCB-4/10	12.0	0.100		PCB-44	11.7	0.100	
PCB-5/8	33.9	0.100		PCB-45	3.44	0.100	
PCB-6	5.42	0.100		PCB-46	1.39	0.100	
PCB-7/9	1.93	0.100		PCB-47	3.18	0.100	
PCB-11	0.645	0.100		PCB-48/75	3.86	0.100	
PCB-12/13	0.727	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	0.937	0.100	
PCB-15	9.07	0.100		PCB-52/69	11.1	0.100	
PCB-16/32	24.6	0.0500		PCB-53	2.67	0.100	
PCB-17	16.1	0.0500		PCB-54	ND	0.100	
PCB-18	40.4	0.0500		PCB-55	0.270	0.100	
PCB-19	4.07	0.0500		PCB-56/60	5.63	0.100	
PCB-20/21/33	28.6	0.0500		PCB-57	ND	0.100	
PCB-22	14.4	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	2.96	0.0500		PCB-62	ND	0.100	
PCB-25	3.15	0.0500		PCB-63	0.346	0.100	
PCB-26	6.39	0.0500		PCB-65	ND	0.100	
PCB-28	32.7	0.0500		PCB-66	6.25	0.100	
PCB-29	0.305	0.0500		PCB-67	0.470	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	32.3	0.0500		PCB-70	8.05	0.100	
PCB-34	0.126	0.0500		PCB-73	0.169	0.100	
PCB-35	0.329	0.0500		PCB-74	4.30	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	7.45	0.0500		PCB-77	0.325	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	2.40	0.100		PCB-80	ND	0.100	

ALTA

Sample ID: 84AIR104			EPA Method 1668
Client Data	**Sample Data**	**Laboratory Data**	
Name: CH2M Hill	Matrix: PUF	Lab Sample: 24990-003	Date Received: 13-May-04
Project: Mare Island	Sample Size: 1 Sample	QC Batch No.: 5892	Date Extracted: 16-May-04
Date Collected: 11-May-04		Date Analyzed DB-1 19-May-04	
Time Collected: 1310			

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	0.215	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	0.879	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.231	I	PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	0.622	0.100		PCB-131	ND	0.100	
PCB-88/91	0.379	0.100		PCB-132/161	0.176	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	1.79	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.120	I
PCB-95/98/102	1.87	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	0.380	0.100	
PCB-97	0.506	0.100		PCB-139/149	0.517	0.100	
PCB-99	0.680	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	0.226	0.100		PCB-146/165	ND	0.100	
PCB-106/118	0.766	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	1.25	0.100		PCB-151	0.163	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	0.469	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

Sample ID: [illegible] EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-003	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1310						

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100	
PCB-167	ND	0.100	
PCB-168	ND	0.100	
PCB-169	ND	0.100	
PCB-170	ND	0.100	
PCB-171	ND	0.100	
PCB-172	ND	0.100	
PCB-173	ND	0.100	
PCB-174	ND	0.100	
PCB-175	ND	0.100	
PCB-176	ND	0.100	
PCB-177	ND	0.100	
PCB-178	ND	0.100	
PCB-179	ND	0.100	
PCB-180	ND	0.100	
PCB-181	ND	0.100	
PCB-182/187	0.116	0.100	
PCB-183	ND	0.100	
PCB-184	ND	0.100	
PCB-185	ND	0.100	
PCB-186	ND	0.100	
PCB-188	ND	0.100	
PCB-189	ND	0.100	
PCB-190	ND	0.100	
PCB-191	ND	0.100	
PCB-192	ND	0.100	
PCB-193	ND	0.100	
PCB-194	ND	0.150	
PCB-195	ND	0.150	
PCB-196/203	ND	0.150	
PCB-197	ND	0.150	
PCB-198	ND	0.150	

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-199	ND	0.150	
PCB-200	ND	0.150	
PCB-201	ND	0.150	
PCB-202	ND	0.150	
PCB-204	ND	0.150	
PCB-205	ND	0.150	
PCB-206	ND	0.150	
PCB-207	ND	0.150	
PCB-208	ND	0.150	
PCB-209	ND	0.150	
Total monoCB	3.49	0.0500	
Total diCB	63.7	0.100	
Total triCB	214	0.0500	
Total tetraCB	93.5	0.100	
Total pentaCB	9.18	0.100	
Total hexaCB	1.70	0.100	
Total heptaCB	0.116	0.100	
Total octaCB	ND	0.150	
Total nonaCB	ND	0.150	
Total decaCB	ND	0.150	
Total PCB	386		

ALTA

Sample ID: 84-AIR-104		EPA Method 1668

Client Data
Name: CH2M Hill
Project: Mare Island
Date Collected: 11-May-04
Time Collected: 1310

Sample Data
Matrix: PUF
Sample Size: 1 Sample

Laboratory Data
Lab Sample: 24990-003 Date Received: 13-May-04
QC Batch No.: 5892 Date Extracted: 16-May-04
Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-1	66.0	25	150	
	13C-PCB-3	66.7	25	150	
	13C-PCB-4	63.0	25	150	
	13C-PCB-9	67.9	25	150	
	13C-PCB-19	69.9	25	150	
	13C-PCB-28	73.9	25	150	
	13C-PCB-32	76.1	25	150	
	13C-PCB-37	77.4	25	150	
	13C-PCB-54	67.7	25	150	
	13C-PCB-77	73.3	25	150	
	13C-PCB-81	75.3	25	150	
	13C-PCB-95	81.6	25	150	
	13C-PCB-101	80.4	25	150	
	13C-PCB-104	83.2	25	150	
	13C-PCB-105	96.6	25	150	
	13C-PCB-114	90.3	25	150	
	13C-PCB-118	74.7	25	150	
	13C-PCB-123	74.7	25	150	
	13C-PCB-126	97.7	25	150	
	13C-PCB-153	83.3	25	150	
	13C-PCB-155	72.3	25	150	
	13C-PCB-156	93.7	25	150	
	13C-PCB-157	91.2	25	150	
	13C-PCB-167	83.6	25	150	
	13C-PCB-169	89.5	25	150	
	13C-PCB-170	81.6	25	150	
	13C-PCB-180	82.4	25	150	
	13C-PCB-188	75.3	25	150	
	13C-PCB-189	109	25	150	
	13C-PCB-194	67.2	25	150	

Sample ID: SLAIR-104 | EPA Method 1668

Client Data
Name: CH2M Hill
Project: Mare Island
Date Collected: 11-May-04
Time Collected: 1310

Sample Data
Matrix: PUF
Sample Size: 1 Sample

Laboratory Data
Lab Sample: 24990-003 Date Received: 13-May-04
QC Batch No.: 5892 Date Extracted: 16-May-04
Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-202	80.4	25	150	
	13C-PCB-208	60.8	25	150	
	13C-PCB-206	73.7	25	150	
	13C-PCB-209	65.1	25	150	
CRS	13C-PCB-52	102	30	135	
	13C-PCB-178	92.1	30	135	

ALTA

Sample ID: 34B-AIR-105			EPA Method 1668
Client Data	**Sample Data**	**Laboratory Data**	
Name: CH2M Hill	Matrix: PUF	Lab Sample: 24990-004	Date Received: 13-May-04
Project: Mare Island	Sample Size: 1 Sample	QC Batch No.: 5892	Date Extracted: 16-May-04
Date Collected: 11-May-04		Date Analyzed DB-1 19-May-04	
Time Collected: 1425			

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	ND	0.0500		PCB-41/64/71/72	ND	0.100	
PCB-2	ND	0.0500		PCB-42/59	ND	0.100	
PCB-3	ND	0.0500		PCB-43/49	ND	0.100	
PCB-4/10	ND	0.100		PCB-44	ND	0.100	
PCB-5/8	ND	0.100		PCB-45	ND	0.100	
PCB-6	ND	0.100		PCB-46	ND	0.100	
PCB-7/9	ND	0.100		PCB-47	ND	0.100	
PCB-11	0.129	0.100		PCB-48/75	ND	0.100	
PCB-12/13	ND	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	ND	0.100	
PCB-15	ND	0.100		PCB-52/69	ND	0.100	
PCB-16/32	ND	0.0500		PCB-53	ND	0.100	
PCB-17	ND	0.0500		PCB-54	ND	0.100	
PCB-18	ND	0.0500		PCB-55	ND	0.100	
PCB-19	ND	0.0500		PCB-56/60	ND	0.100	
PCB-20/21/33	ND	0.0500		PCB-57	ND	0.100	
PCB-22	ND	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	ND	0.0500		PCB-62	ND	0.100	
PCB-25	ND	0.0500		PCB-63	ND	0.100	
PCB-26	ND	0.0500		PCB-65	ND	0.100	
PCB-28	ND	0.0500		PCB-66	ND	0.100	
PCB-29	ND	0.0500		PCB-67	ND	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	ND	0.0500		PCB-70	ND	0.100	
PCB-34	ND	0.0500		PCB-73	ND	0.100	
PCB-35	ND	0.0500		PCB-74	ND	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	ND	0.0500		PCB-77	ND	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	ND	0.100		PCB-80	ND	0.100	

Sample ID	348-AIR-105		EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-004	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1425						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	ND	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	ND	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	ND	0.100		PCB-131	ND	0.100	
PCB-88/91	ND	0.100		PCB-132/161	ND	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	ND	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.100	
PCB-95/98/102	ND	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	ND	0.100	
PCB-97	ND	0.100		PCB-139/149	ND	0.100	
PCB-99	ND	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	ND	0.100		PCB-146/165	ND	0.100	
PCB-106/118	ND	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	ND	0.100		PCB-151	ND	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	ND	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

ALTA

Sample ID: 84B-AIR-105		EPA Method 1668

Client Data	Sample Data	Laboratory Data
Name: CH2M Hill	Matrix: PUF	Lab Sample: 24990-004 — Date Received: 13-May-04
Project: Mare Island	Sample Size: 1 Sample	QC Batch No.: 5892 — Date Extracted: 16-May-04
Date Collected: 11-May-04		Date Analyzed DB-1 19-May-04
Time Collected: 1425		

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100	
PCB-167	ND	0.100	
PCB-168	ND	0.100	
PCB-169	ND	0.100	
PCB-170	ND	0.100	
PCB-171	ND	0.100	
PCB-172	ND	0.100	
PCB-173	ND	0.100	
PCB-174	ND	0.100	
PCB-175	ND	0.100	
PCB-176	ND	0.100	
PCB-177	ND	0.100	
PCB-178	ND	0.100	
PCB-179	ND	0.100	
PCB-180	ND	0.100	
PCB-181	ND	0.100	
PCB-182/187	ND	0.100	
PCB-183	ND	0.100	
PCB-184	ND	0.100	
PCB-185	ND	0.100	
PCB-186	ND	0.100	
PCB-188	ND	0.100	
PCB-189	ND	0.100	
PCB-190	ND	0.100	
PCB-191	ND	0.100	
PCB-192	ND	0.100	
PCB-193	ND	0.100	
PCB-194	ND	0.150	
PCB-195	ND	0.150	
PCB-196/203	ND	0.150	
PCB-197	ND	0.150	
PCB-198	ND	0.150	

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-199	ND	0 150	
PCB-200	ND	0.150	
PCB-201	ND	0.150	
PCB-202	ND	0.150	
PCB-204	ND	0.150	
PCB-205	ND	0.150	
PCB-206	ND	0.150	
PCB-207	ND	0.150	
PCB-208	ND	0.150	
PCB-209	ND	0.150	
Total monoCB	ND	0.0500	
Total diCB	0.129	0.100	
Total triCB	ND	0.0500	
Total tetraCB	ND	0.100	
Total pentaCB	ND	0.100	
Total hexaCB	ND	0.100	
Total heptaCB	ND	0.100	
Total octaCB	ND	0.150	
Total nonaCB	ND	0.150	
Total decaCB	ND	0.150	
Total PCB	0.129		

Sample ID: 34B-AIR-105 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-004	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No :	5892	Date Extracted	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1425						

Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-1	70.4	25	150	
	13C-PCB-3	74.3	25	150	
	13C-PCB-4	73.5	25	150	
	13C-PCB-9	76.0	25	150	
	13C-PCB-19	77.5	25	150	
	13C-PCB-28	74.7	25	150	
	13C-PCB-32	81.8	25	150	
	13C-PCB-37	83.5	25	150	
	13C-PCB-54	70.8	25	150	
	13C-PCB-77	77.7	25	150	
	13C-PCB-81	80.2	25	150	
	13C-PCB-95	81.6	25	150	
	13C-PCB-101	82.4	25	150	
	13C-PCB-104	85.7	25	150	
	13C-PCB-105	97.4	25	150	
	13C-PCB-114	95.1	25	150	
	13C-PCB-118	78.8	25	150	
	13C-PCB-123	82.4	25	150	
	13C-PCB-126	99.3	25	150	
	13C-PCB-153	85.7	25	150	
	13C-PCB-155	74.3	25	150	
	13C-PCB-156	95.9	25	150	
	13C-PCB-157	89.1	25	150	
	13C-PCB-167	79.5	25	150	
	13C-PCB-169	88.6	25	150	
	13C-PCB-170	81.7	25	150	
	13C-PCB-180	78.2	25	150	
	13C-PCB-188	78.1	25	150	
	13C-PCB-189	113	25	150	
	13C-PCB-194	69.6	25	150	

ALTA

Sample ID: 84B-AIR-105 — **EPA Method 1668**

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-004	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1425						

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-202	82.9	25	150	
	13C-PCB-208	61.4	25	150	
	13C-PCB-206	72.9	25	150	
	13C-PCB-209	65.8	25	150	
CRS	13C-PCB-52	101	30	135	
	13C-PCB-178	96.1	30	135	

Sample ID: 84B-AIR-106 | EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-005	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1410						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	ND	0.0500		PCB-41/64/71/72	ND	0.100	
PCB-2	ND	0.0500		PCB-42/59	ND	0.100	
PCB-3	ND	0.0500		PCB-43/49	ND	0.100	
PCB-4/10	ND	0.100		PCB-44	ND	0.100	
PCB-5/8	ND	0.100		PCB-45	ND	0.100	
PCB-6	ND	0.100		PCB-46	ND	0.100	
PCB-7/9	ND	0.100		PCB-47	ND	0.100	
PCB-11	0.120	0.100		PCB-48/75	ND	0.100	
PCB-12/13	ND	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	ND	0.100	
PCB-15	ND	0.100		PCB-52/69	ND	0.100	
PCB-16/32	ND	0.0500		PCB-53	ND	0.100	
PCB-17	ND	0.0500		PCB-54	ND	0.100	
PCB-18	ND	0.0500		PCB-55	ND	0.100	
PCB-19	ND	0.0500		PCB-56/60	ND	0.100	
PCB-20/21/33	ND	0.0500		PCB-57	ND	0.100	
PCB-22	ND	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	ND	0.0500		PCB-62	ND	0.100	
PCB-25	ND	0.0500		PCB-63	ND	0.100	
PCB-26	ND	0.0500		PCB-65	ND	0.100	
PCB-28	ND	0.0500		PCB-66	ND	0.100	
PCB-29	ND	0.0500		PCB-67	ND	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	ND	0.0500		PCB-70	ND	0.100	
PCB-34	ND	0.0500		PCB-73	ND	0.100	
PCB-35	ND	0.0500		PCB-74	ND	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	ND	0.0500		PCB-77	ND	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	ND	0.100		PCB-80	ND	0.100	

ALTA

Sample ID: 84B-AIR106			EPA Method 1668
Client Data	**Sample Data**	**Laboratory Data**	
Name: CH2M Hill	Matrix: PUF	Lab Sample: 24990-005	Date Received: 13-May-04
Project: Mare Island	Sample Size: 1 Sample	QC Batch No.: 5892	Date Extracted: 16-May-04
Date Collected: 11-May-04		Date Analyzed DB-1 19-May-04	
Time Collected: 1410			

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	ND	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	ND	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	ND	0.100		PCB-131	ND	0.100	
PCB-88/91	ND	0.100		PCB-132/161	ND	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	ND	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.100	
PCB-95/98/102	ND	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	ND	0.100	
PCB-97	ND	0.100		PCB-139/149	ND	0.100	
PCB-99	ND	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	ND	0.100		PCB-146/165	ND	0.100	
PCB-106/118	ND	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	ND	0.100		PCB-151	ND	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	ND	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

Sample ID	34B-ATR-106	EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-005	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1410						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100		PCB-199	ND	0.150	
PCB-167	ND	0.100		PCB-200	ND	0.150	
PCB-168	ND	0.100		PCB-201	ND	0.150	
PCB-169	ND	0.100		PCB-202	ND	0.150	
PCB-170	ND	0.100		PCB-204	ND	0.150	
PCB-171	ND	0.100		PCB-205	ND	0.150	
PCB-172	ND	0.100		PCB-206	ND	0.150	
PCB-173	ND	0.100		PCB-207	ND	0.150	
PCB-174	ND	0.100		PCB-208	ND	0.150	
PCB-175	ND	0.100		PCB-209	ND	0.150	
PCB-176	ND	0.100		Total monoCB	ND	0.0500	
PCB-177	ND	0.100		Total diCB	0.120	0.100	
PCB-178	ND	0.100		Total triCB	ND	0.0500	
PCB-179	ND	0.100		Total tetraCB	ND	0.100	
PCB-180	ND	0.100		Total pentaCB	ND	0.100	
PCB-181	ND	0.100		Total hexaCB	ND	0.100	
PCB-182/187	ND	0.100		Total heptaCB	ND	0.100	
PCB-183	ND	0.100		Total octaCB	ND	0.150	
PCB-184	ND	0.100		Total nonaCB	ND	0.150	
PCB-185	ND	0.100		Total decaCB	ND	0.150	
PCB-186	ND	0.100		Total PCB	0.120		
PCB-188	ND	0.100					
PCB-189	ND	0.100					
PCB-190	ND	0.100					
PCB-191	ND	0.100					
PCB-192	ND	0.100					
PCB-193	ND	0.100					
PCB-194	ND	0.150					
PCB-195	ND	0.150					
PCB-196/203	ND	0.150					
PCB-197	ND	0.150					
PCB-198	ND	0.150					

ALTA

Sample ID: 84B-AIR-106 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-005	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1410						

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-1	62.5	25	150	
	13C-PCB-3	60.2	25	150	
	13C-PCB-4	66.7	25	150	
	13C-PCB-9	70.9	25	150	
	13C-PCB-19	75.3	25	150	
	13C-PCB-28	70.2	25	150	
	13C-PCB-32	78.6	25	150	
	13C-PCB-37	78.8	25	150	
	13C-PCB-54	65.7	25	150	
	13C-PCB-77	73.8	25	150	
	13C-PCB-81	75.6	25	150	
	13C-PCB-95	76.9	25	150	
	13C-PCB-101	77.9	25	150	
	13C-PCB-104	80.3	25	150	
	13C-PCB-105	93.1	25	150	
	13C-PCB-114	90.3	25	150	
	13C-PCB-118	74.8	25	150	
	13C-PCB-123	78.0	25	150	
	13C-PCB-126	97.2	25	150	
	13C-PCB-153	80.8	25	150	
	13C-PCB-155	67.1	25	150	
	13C-PCB-156	97.3	25	150	
	13C-PCB-157	88.3	25	150	
	13C-PCB-167	76.1	25	150	
	13C-PCB-169	84.9	25	150	
	13C-PCB-170	78.9	25	150	
	13C-PCB-180	73.8	25	150	
	13C-PCB-188	74.0	25	150	
	13C-PCB-189	99.4	25	150	
	13C-PCB-194	67.5	25	150	

Sample ID: SAB-AIR-106 EPA Method 1668

Client Data

Name: CH2M Hill

Project: Mare Island

Date Collected: 11-May-04

Time Collected: 1410

Sample Data

Matrix: PUF

Sample Size: 1 Sample

Laboratory Data

Lab Sample: 24990-005 Date Received: 13-May-04

QC Batch No.: 5892 Date Extracted: 16-May-04

Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-202	84.0	25	150	
	13C-PCB-208	60.7	25	150	
	13C-PCB-206	75.3	25	150	
	13C-PCB-209	63.8	25	150	
CRS	13C-PCB-52	99.4	30	135	
	13C-PCB-178	98.3	30	135	

ALTA

Sample ID: SJD-AIR-102 — EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-006	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1300						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	1.52	0.0500		PCB-41/64/71/72	8.55	0.100	
PCB-2	0.154	0.0500		PCB-42/59	3.81	0.100	
PCB-3	0.789	0.0500		PCB-43/49	7.86	0.100	
PCB-4/10	8.94	0.100		PCB-44	8.72	0.100	
PCB-5/8	25.9	0.100		PCB-45	2.39	0.100	
PCB-6	4.17	0.100		PCB-46	0.980	0.100	
PCB-7/9	1.44	0.100		PCB-47	2.47	0.100	
PCB-11	0.517	0.100		PCB-48/75	2.82	0.100	
PCB-12/13	0.579	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	0.661	0.100	
PCB-15	7.11	0.100		PCB-52/69	8.20	0.100	
PCB-16/32	18.2	0.0500		PCB-53	1.91	0.100	
PCB-17	12.0	0.0500		PCB-54	ND	0.100	
PCB-18	29.3	0.0500		PCB-55	0.186	0.100	
PCB-19	3.03	0.0500		PCB-56/60	4.31	0.100	
PCB-20/21/33	20.1	0.0500		PCB-57	ND	0.100	
PCB-22	9.93	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	2.14	0.0500		PCB-62	ND	0.100	
PCB-25	2.19	0.0500		PCB-63	0.235	0.100	
PCB-26	4.34	0.0500		PCB-65	ND	0.100	
PCB-28	23.7	0.0500		PCB-66	4.59	0.100	
PCB-29	0.209	0.0500		PCB-67	0.334	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	22.4	0.0500		PCB-70	5.95	0.100	
PCB-34	0.0882	0.0500		PCB-73	0.124	0.100	
PCB-35	0.251	0.0500		PCB-74	3.11	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	5.80	0.0500		PCB-77	0.262	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	1.78	0.100		PCB-80	ND	0.100	

Sample ID: [illegible] EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-006	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1300						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	0.183	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	0.662	0.100		PCB-128/162	ND	0.100	
PCB-85/116	0.215	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	0.528	0.100		PCB-131	ND	0.100	
PCB-88/91	0.289	0.100		PCB-132/161	0.139	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	1.48	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	0.108	0.100	
PCB-95/98/102	1.51	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	0.336	0.100	
PCB-97	0.415	0.100		PCB-139/149	0.417	0.100	
PCB-99	0.534	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	0.197	0.100		PCB-146/165	ND	0.100	
PCB-106/118	0.684	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	1.07	0.100		PCB-151	ND	0.129	I
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	0.385	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

ALTA

Sample ID: 84D-AIR-102 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-006	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1300						

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100	
PCB-167	ND	0.100	
PCB-168	ND	0.100	
PCB-169	ND	0.100	
PCB-170	ND	0.100	
PCB-171	ND	0.100	
PCB-172	ND	0.100	
PCB-173	ND	0.100	
PCB-174	ND	0.100	
PCB-175	ND	0.100	
PCB-176	ND	0.100	
PCB-177	ND	0.100	
PCB-178	ND	0.100	
PCB-179	ND	0.100	
PCB-180	ND	0.100	
PCB-181	ND	0.100	
PCB-182/187	0.113	0.100	
PCB-183	ND	0.100	
PCB-184	ND	0.100	
PCB-185	ND	0.100	
PCB-186	ND	0.100	
PCB-188	ND	0.100	
PCB-189	ND	0.100	
PCB-190	ND	0.100	
PCB-191	ND	0.100	
PCB-192	ND	0.100	
PCB-193	ND	0.100	
PCB-194	ND	0.150	
PCB-195	ND	0.150	
PCB-196/203	ND	0.150	
PCB-197	ND	0.150	
PCB-198	ND	0.150	

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-199	ND	0.150	
PCB-200	ND	0.150	
PCB-201	ND	0.150	
PCB-202	ND	0.150	
PCB-204	ND	0.150	
PCB-205	ND	0.150	
PCB-206	ND	0.150	
PCB-207	ND	0.150	
PCB-208	ND	0.150	
PCB-209	ND	0.150	
Total monoCB	2.47	0.0500	
Total diCB	48.7	0.100	
Total triCB	154	0.0500	
Total tetraCB	69.3	0.100	
Total pentaCB	7.77	0.100	
Total hexaCB	1.39	0.100	
Total heptaCB	0.113	0.100	
Total octaCB	ND	0.150	
Total nonaCB	ND	0.150	
Total decaCB	ND	0.150	
Total PCB	284		

Sample ID	8251-AIR-102		EPA Method 1668

Client Data
Name: CH2M Hill
Project: Mare Island
Date Collected: 11-May-04
Time Collected: 1300

Sample Data
Matrix: PUF
Sample Size: 1 Sample

Laboratory Data
Lab Sample: 24990-006 Date Received: 13-May-04
QC Batch No.: 5892 Date Extracted: 16-May-04
Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-1	56.3	25	150	
	13C-2,3,7,8-TCDD	90.1	31	137	
	13C-2,3,7,8-TCDF	97.0	29	140	
	13C-PCB-3	56.2	25	150	
	13C-PCB-4	52.3	25	150	
	13C-PCB-9	56.3	25	150	
	13C-PCB-19	60.3	25	150	
	13C-PCB-28	70.2	25	150	
	13C-PCB-32	66.4	25	150	
	13C-PCB-37	72.3	25	150	
	13C-PCB-54	59.2	25	150	
	13C-PCB-77	71.1	25	150	
	13C-PCB-81	73.2	25	150	
	13C-PCB-95	74.7	25	150	
	13C-PCB-101	76.0	25	150	
	13C-PCB-104	75.8	25	150	
	13C-PCB-105	85.7	25	150	
	13C-PCB-114	85.7	25	150	
	13C-PCB-118	71.2	25	150	
	13C-PCB-123	71.9	25	150	
	13C-PCB-126	93.4	25	150	
	13C-PCB-153	73.9	25	150	
	13C-PCB-155	66.6	25	150	
	13C-PCB-156	92.6	25	150	
	13C-PCB-157	85.8	25	150	
	13C-PCB-167	79.0	25	150	
	13C-PCB-169	87.7	25	150	
	13C-PCB-170	80.0	25	150	
	13C-PCB-180	75.3	25	150	
	13C-PCB-188	66.7	25	150	

ALTA

Sample ID: 841-AIR-102 — EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-006	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	11-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1300						

Internal Standard		% Recovery	LCL	UCL	Qualifier
IS	13C-PCB-189	98.9	25	150	
	13C-PCB-194	70.5	25	150	
	13C-PCB-202	76.7	25	150	
	13C-PCB-208	65.4	25	150	
	13C-PCB-206	76.4	25	150	
	13C-PCB-209	66.1	25	150	
CRS	13C-PCB-52	94.8	30	135	
	37Cl-2,3,7,8-TCDD	88.2	37	158	
	13C-PCB-178	96.9	30	135	

Sample ID	341-AIR-103						EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-007	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	12-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1935						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-1	0.969	0.0500		PCB-41/64/71/72	3.45	0.100	
PCB-2	0.101	0.0500		PCB-42/59	1.58	0.100	
PCB-3	0.480	0.0500		PCB-43/49	3.13	0.100	
PCB-4/10	5.45	0.100		PCB-44	3.53	0.100	
PCB-5/8	11.8	0.100		PCB-45	0.973	0.100	
PCB-6	1.95	0.100		PCB-46	0.403	0.100	
PCB-7/9	0.682	0.100		PCB-47	1.12	0.100	
PCB-11	0.890	0.100		PCB-48/75	1.15	0.100	
PCB-12/13	0.253	0.100		PCB-50	ND	0.100	
PCB-14	ND	0.100		PCB-51	0.282	0.100	
PCB-15	2.96	0.100		PCB-52/69	3.20	0.100	
PCB-16/32	7.33	0.0500		PCB-53	0.787	0.100	
PCB-17	4.83	0.0500		PCB-54	ND	0.100	
PCB-18	12.3	0.0500		PCB-55	ND	0.100	
PCB-19	1.34	0.0500		PCB-56/60	1.51	0.100	
PCB-20/21/33	9.13	0.0500		PCB-57	ND	0.100	
PCB-22	4.42	0.0500		PCB-58	ND	0.100	
PCB-23	ND	0.0500		PCB-61	ND	0.100	
PCB-24/27	0.898	0.0500		PCB-62	ND	0.100	
PCB-25	0.956	0.0500		PCB-63	ND	0.100	
PCB-26	1.80	0.0500		PCB-65	ND	0.100	
PCB-28	9.40	0.0500		PCB-66	1.68	0.100	
PCB-29	0.0948	0.0500		PCB-67	0.137	0.100	
PCB-30	ND	0.0500		PCB-68	ND	0.100	
PCB-31	9.21	0.0500		PCB-70	2.20	0.100	
PCB-34	ND	0.0500		PCB-73	ND	0.100	
PCB-35	0.0995	0.0500		PCB-74	1.14	0.100	
PCB-36	ND	0.0500		PCB-76	ND	0.100	
PCB-37	2.05	0.0500		PCB-77	ND	0.100	
PCB-38	ND	0.0500		PCB-78	ND	0.100	
PCB-39	ND	0.0500		PCB-79	ND	0.100	
PCB-40	0.757	0.100		PCB-80	ND	0.100	

ALTA

Sample ID: 841-AIR-103 — EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-007	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	12-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1935						

Analyte	Conc. (ng/Sample)	RL	Qualifiers	Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-81	ND	0.100		PCB-124	ND	0.100	
PCB-82	ND	0.100		PCB-126	ND	0.100	
PCB-83	ND	0.100		PCB-127	ND	0.100	
PCB-84/92	0.283	0.100		PCB-128/162	ND	0.100	
PCB-85/116	ND	0.100		PCB-129	ND	0.100	
PCB-86	ND	0.100		PCB-130	ND	0.100	
PCB-87/117/125	0.191	0.100		PCB-131	ND	0.100	
PCB-88/91	0.128	0.100		PCB-132/161	ND	0.100	
PCB-89	ND	0.100		PCB-133/142	ND	0.100	
PCB-90/101	0.624	0.100		PCB-134/143	ND	0.100	
PCB-93	ND	0.100		PCB-135	ND	0.100	
PCB-94	ND	0.100		PCB-136	ND	0.100	
PCB-95/98/102	0.680	0.100		PCB-137	ND	0.100	
PCB-96	ND	0.100		PCB-138/163/164	0.107	0.100	
PCB-97	0.161	0.100		PCB-139/149	0.182	0.100	
PCB-99	0.221	0.100		PCB-140	ND	0.100	
PCB-100	ND	0.100		PCB-141	ND	0.100	
PCB-103	ND	0.100		PCB-144	ND	0.100	
PCB-104	ND	0.100		PCB-145	ND	0.100	
PCB-105	ND	0.100		PCB-146/165	ND	0.100	
PCB-106/118	0.190	0.100		PCB-147	ND	0.100	
PCB-107/109	ND	0.100		PCB-148	ND	0.100	
PCB-108/112	ND	0.100		PCB-150	ND	0.100	
PCB-110	0.380	0.100		PCB-151	ND	0.100	
PCB-111/115	ND	0.100		PCB-152	ND	0.100	
PCB-113	ND	0.100		PCB-153	0.139	0.100	
PCB-114	ND	0.100		PCB-154	ND	0.100	
PCB-119	ND	0.100		PCB-155	ND	0.100	
PCB-120	ND	0.100		PCB-156	ND	0.100	
PCB-121	ND	0.100		PCB-157	ND	0.100	
PCB-122	ND	0.100		PCB-158/160	ND	0.100	
PCB-123	ND	0.100		PCB-159	ND	0.100	

Sample ID: 841-AIR-103 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-007	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	12-May-04			Date Analyzed DB-1	19-May-04		
Time Collected:	1935						

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-166	ND	0.100	
PCB-167	ND	0.100	
PCB-168	ND	0.100	
PCB-169	ND	0.100	
PCB-170	ND	0.100	
PCB-171	ND	0.100	
PCB-172	ND	0.100	
PCB-173	ND	0.100	
PCB-174	ND	0.100	
PCB-175	ND	0.100	
PCB-176	ND	0.100	
PCB-177	ND	0.100	
PCB-178	ND	0.100	
PCB-179	ND	0.100	
PCB-180	ND	0.100	
PCB-181	ND	0.100	
PCB-182/187	ND	0.100	
PCB-183	ND	0.100	
PCB-184	ND	0.100	
PCB-185	ND	0.100	
PCB-186	ND	0.100	
PCB-188	ND	0.100	
PCB-189	ND	0.100	
PCB-190	ND	0.100	
PCB-191	ND	0.100	
PCB-192	ND	0.100	
PCB-193	ND	0.100	
PCB-194	ND	0.150	
PCB-195	ND	0.150	
PCB-196/203	ND	0.150	
PCB-197	ND	0.150	
PCB-198	ND	0.150	

Analyte	Conc. (ng/Sample)	RL	Qualifiers
PCB-199	ND	0.150	
PCB-200	ND	0.150	
PCB-201	ND	0.150	
PCB-202	ND	0.150	
PCB-204	ND	0.150	
PCB-205	ND	0.150	
PCB-206	ND	0.150	
PCB-207	ND	0.150	
PCB-208	ND	0.150	
PCB-209	ND	0.150	
Total monoCB	1.55	0.0500	
Total diCB	24.0	0.100	
Total triCB	63.8	0.0500	
Total tetraCB	27.0	0.100	
Total pentaCB	2.86	0.100	
Total hexaCB	0.428	0.100	
Total heptaCB	ND	0.100	
Total octaCB	ND	0.150	
Total nonaCB	ND	0.150	
Total decaCB	ND	0.150	
Total PCB	120		

ALTA

Sample ID: 341-AIR-103 EPA Method 1668

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	PUF	Lab Sample:	24990-007	Date Received:	13-May-04
Project:	Mare Island	Sample Size:	1 Sample	QC Batch No.:	5892	Date Extracted:	16-May-04
Date Collected:	12-May-04			Date Analyzed	DB-1	19-May-04	
Time Collected:	1935						

Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-1	52.7	25	150	
	13C-2,3,7,8-TCDD	90.1	31	137	
	13C-2,3,7,8-TCDF	97.0	29	140	
	13C-PCB-3	53.6	25	150	
	13C-PCB-4	50.3	25	150	
	13C-PCB-9	54.5	25	150	
	13C-PCB-19	62.4	25	150	
	13C-PCB-28	67.3	25	150	
	13C-PCB-32	69.5	25	150	
	13C-PCB-37	73.6	25	150	
	13C-PCB-54	59.4	25	150	
	13C-PCB-77	71.4	25	150	
	13C-PCB-81	71.6	25	150	
	13C-PCB-95	73.2	25	150	
	13C-PCB-101	73.9	25	150	
	13C-PCB-104	73.7	25	150	
	13C-PCB-105	89.7	25	150	
	13C-PCB-114	87.9	25	150	
	13C-PCB-118	70.6	25	150	
	13C-PCB-123	73.8	25	150	
	13C-PCB-126	91.9	25	150	
	13C-PCB-153	75.7	25	150	
	13C-PCB-155	65.9	25	150	
	13C-PCB-156	87.1	25	150	
	13C-PCB-157	83.9	25	150	
	13C-PCB-167	77.7	25	150	
	13C-PCB-169	80.6	25	150	
	13C-PCB-170	76.3	25	150	
	13C-PCB-180	75.1	25	150	
	13C-PCB-188	69.1	25	150	

Sample ID:	84H_AIR-103	EPA Method 1668

Client Data

Name: CH2M Hill
Project: Mare Island
Date Collected: 12-May-04
Time Collected: 1935

Sample Data

Matrix: PUF
Sample Size: 1 Sample

Laboratory Data

Lab Sample: 24990-007 Date Received: 13-May-04
QC Batch No.: 5892 Date Extracted: 16-May-04
Date Analyzed DB-1 19-May-04

	Internal Standard	% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-189	81.0	25	150	
	13C-PCB-194	78.6	25	150	
	13C-PCB-202	74.2	25	150	
	13C-PCB-208	70.2	25	150	
	13C-PCB-206	73.4	25	150	
	13C-PCB-209	64.4	25	150	
CRS	13C-PCB-52	94.4	30	135	
	37Cl-2,3,7,8-TCDD	88.2	37	158	
	13C-PCB-178	96.5	30	135	

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

A	The amount detected is below the Lower Calibration Limit of the instrument.
B	This compound was also detected in the method blank.
D	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
E	The amount detected is above the Upper Calibration Limit of the instrument.
H	The signal-to-noise ratio is greater than 10:1.
I	Chemical Interference
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency

NELAP — (Primary AA: California, Certificate No. 02102CA)

Department of the Navy

U.S. Army Corps of Engineers

U.S. EPA Region 5

Commonwealth of Kentucky — (Certificate No. 90063)

Bureau of Reclamation — Mid-Pacific Region — (MP-470, Res-1.10)

Commonwealth of Kentucky — (Certificate No. 90063)

Commonwealth of Virginia — (Certificate No. 00013)

State of Alaska, Department of Environmental Conservation — (Certificate No. OS-00197)

State of Arizona — (Certificate No. AZ0639)

State of Arkansas, Department of Health — (Approval granted through CA certification)

State of Arkansas, Department of Environmental Quality

State of California — (Certificate No. 1640)

State of Colorado

State of Connecticut — (Certificate No. PH-0182)

State of Florida — (Certificate No. 87456)

State of Louisiana, Department of Health and Hospitals — (Certificate No. LA000014)

State of Louisiana, Department of Environmental Quality

State of Michigan (Certificate No. 81178087)

State of Mississippi — (Approval granted through CA certification)

State of Nevada — (Certificate No. CA413)

State of New Jersey — (Certificate No. CA003)

State of New York, Department of Health — (Certificate No. 11411)

State of North Carolina — (Certification No. 06700)

State of North Dakota, Department of Health — (Certificate No. R-078)

State of New Mexico

State of Oklahoma – (D9919)

State of Oregon – (Certificate No. CA413)

State of Pennsylvania — (Certificate No. 68-490)

State of South Carolina — (Certificate No. 87002001)

State of Tennessee — (Certificate No. 02996)

State of Texas — (Certificate No. TX247-1000A

State of Utah — (Certificate No. E-201)

State of Washington – (Certification No. C091)

State of Wisconsin — (Certificate No. 998036160)

State of Wyoming — (USEPA Region 8 Ref: 8TMS-Q)

24990 -0.1°C

Chain of Custody Record

COC Number: **ALTA-001**

CH2MHILL 05/13/2004 8:07:14 AM Page 1 of 2

Project Name Mare Island **Location** Mare Island
Task Order **Project** PC.20 All PCB Sites
Project Number 264204.PC.20
Project Manager Carla Duncan
Sample Manager Mike Godwin (707) 562-1015
Turnaround Time 21 Days
PO Number 264204.PC.20

Sample ID	Sample Date/Time	Type	Matrix	# Containers	Preserv	TO-10/1668A
84AB-AIR-107	10-May-04 14:45	FB	Air			
exposed to air for 1 minute, at location 84B-AIR-105		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		
84-AIR-101	11-May-04 12:59	N	Air			
collected near 4357-0008		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		
84-AIR-104	11-May-04 13:10	N	Air			
collected at B84-CH100-AC		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		
84B-AIR-105	11-May-04 14:25	N	Air			
open area sample, collected NW of B84, SE of MCFR		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		

MS = Matrix Spike SD = Matrix Spike Duplicate

	Signatures	Date/Time
Approved by		
Sampled by	[signature]	5/13/04 0815
Relinquished by		
Received by	[signature]	5/13/04 1135
Relinquished by		
Received by		

Shipping Details
Method of Shipment: courier
Airbill No:
Lab Name: Alta Analytical Laboratory, Inc.
Lab Phone: (916) 933-1640

ATTN:
Sample Custody
and
Martha Meir

Special Instructions:
Report Copy to
Dan Moore
(505) 855-5265

24990 -0.1°C

Chain of Custody Record

COC Number: ALTA-001

CH2MHILL 05/13/2004 8:07:14 AM

Project Name Mare Island **Location** Mare Island
Task Order **Project** PC.20 All PCB Sites
Project Number 264204.PC.20
Project Manager Carla Duncan
Sample Manager Mike Godwin (707) 562-1015
Turnaround Time 21 Days
PO Number 264204.PC.20

Sample ID	Sample Date/Time	Type	Matrix	# Containers	Preserv	TO-10/1668A
84B-AIR-106	11-May-04 14:10	N	Air			
grassy area background sample, MC parade grounds		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		
84D-AIR-102	11-May-04 13:00	N	Air			
collected near 4357-0008		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		
84T-AIR-103	12-May-04 19:35	N	Air			
tent enclosure, collected near B84-CH102-AC		Field Filtered ☐		1	4'C	☑
		Total Containers:		1		

MS = Matrix Spike SD = Matrix Spike Duplicate

	Signatures	Date/Time
Approved by		
Sampled by	[illegible]	5/13/04 0915
Relinquished by		
Received by	Bettina [illegible]	5/13/04 1130
Relinquished by		
Received by		

Shipping Details
Method of Shipment: courier
Airbill No:
Lab Name: Alta Analytical Laboratory, Inc.
Lab Phone: (916) 933-1640

ATTN:
Sample Custody
and
Martha Meir

Special Instructions:
Report Copy to
Dan Moore
(505) 855-5265

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/10-11/2004
SITE: ~~M37~~ BACKGROUND SOUTH TIME PERIOD SAMPLED: 1457 min / 24.28 hrs
LOCATION: M37 PARADE OPERATOR: C DUNCAN / M GOODWIN
INSTRUMENT MODEL NO.: ____ CALIBRATED BY: M GOODWIN
PUMP SERIAL NO.: 15230 RAIN: ____YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	84-AIR-106			

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		73		4.999		1350		—	
						2040		409	2044.6
		48.9		4.835*		0507		507	2451.3
		70.8		4.67		1410		541	2526.5
								1457	7022.4 L

*avg first & last volume calibration

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	4.999			
	pre- 4.67	pre-	pre-	pre-
	post-	post-	post-	post-

391
847

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/10-11/2004
SITE: BACKGROUND NORTH TIME PERIOD SAMPLED: 1445/24.08 hrs
LOCATION: SOUTHEAST MCFR OPERATOR: C DUNCAN / M GODWIN
INSTRUMENT MODEL NO.: _____ CALIBRATED BY: M GODWIN
PUMP SERIAL NO.: 15218 RAIN: ____YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	84-AIR-105			

II. SAMPLING DATA

OPEN AIR AREA BACKGROUND SAMPLING STATION

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		73		4.979		1420		—	
		48.5				2047		391	1946.8
				4.845*		0516		508	2461.3
		71.4		4.71		1425		546	2571.7
								1445	6979.8 L

34" above ground surface

III. FIELD AUDIT

* avg first & last volume calibration

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	4.979 pre-	____ pre-	____ pre-	____ pre-
	4.71 post-	____ post-	____ post-	____ post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/10-11/2004
SITE: B 84 INDOOR TIME PERIOD SAMPLED: 1444 min / 24.06 hrs
LOCATION: B84-CH100-AC OPERATOR: C DUNCAN / M GOODWIN
INSTRUMENT MODEL NO.: _____ CALIBRATED BY: M. GOODWIN
PUMP SERIAL NO.: 15759 RAIN: ____YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	AIR 84-104			

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		68.3		4.999		1305		—	
		67.6				2100		489	2444.5
		63.1		4.83*		0453		4.60	2221.8
		66.3		4.67		1310		495	2311.7
								1444	6978

354 above ground

L

* avg first & last volume calibration

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	pre- 4.999	pre-	pre-	pre-
	post- 4.67	post-	post-	post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/10-11/2004
SITE: B 84 INDOOR TIME PERIOD SAMPLED: 1440 min / 24 hours
LOCATION: 4357-9998 OPERATOR: C DUNCAN / M GOODWIN
INSTRUMENT MODEL NO.: _____ CALIBRATED BY: M GODWIN
PUMP SERIAL NO.: 14307 RAIN: ___YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	84D-AIR-102			

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		68.7		4.999		1256		—	
		65.1				2106		492	2459.5
		62.0		4.919*		0449		462	2272.6
		66.5		4.84		1342		~~470~~	
								486	2352.2
								1440	7084.3 L

35½" above ground

* avg first & last volume calibration

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	pre- 4.999	pre-	pre-	pre-
	post- 4.84	post-	post-	post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/10-11/2004
SITE: B84 ~~[illegible]~~ INDOOR TIME PERIOD SAMPLED: 1424 min / 23.75 hours
LOCATION: 4357-0008 OPERATOR: M GOODWIN / C DUNCAN
INSTRUMENT MODEL NO.: _____ CALIBRATED BY: M GOODWIN
PUMP SERIAL NO.: 15225 RAIN: ____ YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	84-AIR-101			

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		68.7		4989		1255		—	
		65.1				2103		490	2444.6
		62.0		4.87*		0447		462	2249.9
		66.5		4.75		1244		472	2242
								1424	6937 L

35" above grnd surface

* avg first & last vol calibration

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	4.989			
	pre- 4.75	pre-	pre-	pre-
	post-	post-	post-	post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

COMPENDIUM METHOD TO-10A
FIELD TEST DATA SHEET (FTDS)

I. GENERAL INFORMATION

PROJECT: _____ DATE(S) SAMPLED: 5/11-12/04
SITE: B 84 INDOOR TIME PERIOD SAMPLED: 1440 min / 24 hours
LOCATION: AIR ENCLOSURES OPERATOR: MGOODWIN / CDUNCAN
INSTRUMENT MODEL NO.: _____ CALIBRATED BY: M GOODWIN
PUMP SERIAL NO.: 15759 RAIN: ____ YES X NO

ADSORBENT CARTRIDGE INFORMATION:

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Type:				
Adsorbent:				
Serial No.:				
Sample No.:	84T-~~105~~ AIR-103			

II. SAMPLING DATA

Cartridge Identification	Sampling Location	Ambient Temp., °F	Ambient Pressure, in Hg	Flow Rate (Q), mL/min		Sampling Period		Total Sampling Time, min.	Total Sample Volume, L
				Cartridge 1	Cartridge 2	Start	Stop		
		69.4		4.993		1930		—	
		65.1				0505		576	2874.2
		67.1		4.842*		1225		438	2120.6
		70.3		4.69		1733		426	1997.9
								1440	
								24 hrs	6993 L

35" above ground

* Avg first & last calibration reds

III. FIELD AUDIT

	Cartridge 1	Cartridge 2	Cartridge 3	Cartridge 4
Audit Flow Check Within 10% of Set Point (Y/N)?	4.993			
	pre- 4.69	pre-	pre-	pre-
	post-	post-	post-	post-

CHECKED BY: _____

DATE: _____

Figure 5. Compendium Method TO-10A field test data sheet.

Attachment 10.B.4

Chain of Custody Anomaly / Sample Acceptance Form

Client: CH2M Hill

Project Number: 24990

Contact: Carla Duncan

Date Received: 5/13/04

Fax Number:

Documented by/date: BDD 5/13/04

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis. Thank You. (Fax #916-673-0106)

The following information or item is needed to proceed with the analysis:

- ☐ Completed Chain-of-Custody
- ☐ Test Method Requested
- ☐ Analyte List Requested
- ☐ Preservative
- ☐ Sample Identification
- ☐ Sample Collection Date /Time
- ☐ Collector's Name
- ☐ Sample Type
- ☐ Sample Location

The following anomalies were noted. Authorization is needed to proceed with the analysis:

Temperature outside ±2°C range Samples Affected:

Temp _____ °C Ice Present? Yes No

✓ Sample ID Discrepancy Samples Affected: See Below

Sample holding time missed Samples Affected:

Custody seals broken Samples Affected:

Insufficient Sample Size Samples Affected:

Sample Container(s) Broken Samples Affected:

Incorrect Container Type Samples Affected:

Other Chain of Custody I.D. 84AB-AIR-107, 84B-AIR-105, 84B-AIR-106
Label I.D. 84FB-AIR-107, 84-AIR-105, 84-AIR-106
Chain of Custody I.D. do not correspond with sample labels

Client Authorization:

Proceed With Analysis (YES) NO Signature and Date: MC 5/21/04

Client Comments/Instructions:

ALTA Analytical Laboratory
El Dorado Hills, CA 95762

Attachment 10.B.1

SAMPLE LOG-IN CHECKLIST

ALTA Project No.: 24990

1. Date Samples Arrived: 5/13/04 1130 Initials: UBZO Location: WR-2			
2. Time / Date logged in: 1445 5/13/04 Initials: BZU Location: R-1			
3. Samples Arrived By: (circle) FedEx UPS World Courier Other: Hand delivered			
4. Shipping Preservation: (circle) Ice / Blue Ice / Dry Ice / None Temp °C -0.1°C			
	YES	NO	NA
5. Shipping Container(s) Intact*? If not, describe condition in comment section.	✓		
6. Shipping Container(s) Custody Seals Present?	✓		
Intact? If not intact, describe condition in comment section.	✓		
7. Shipping Documentation Present? (circle) Shipping Label Airbill Tracking Number		✓	
8. Sample Custody Seal(s) Present? No. of Seals_____ or Seal No.		✓	
Intact? If not intact, describe condition in comment section.			✓
9. Sample Container Intact? If no, indicate sample condition in comment section.	✓		
10. Chain of Custody (COC) or other Sample Documentation Present?	✓		
11. COC/Documentation Acceptable? If no, complete COC Anomaly Form.	✓		
12. Shipping Container (circle): ALTA Client Retain or Return or Disposed			
13. Container(s) and/or Bottle(s) Requested?		✓	
14. Drinking Water Sample? (HRMS Only) If yes, Acceptable Preservation? Y or N			✓
Preservation Info From? (circle) COC or Sample Container or None Noted			

Comments:

EXTRACTION INFORMATION

PROCESS SHEET

Project No.-AR: 24990-1 of 1
Client: CH2M Hill (CHHNV01A)
Client Manager: Martha M. Maier
Method: EPA Method 1668 | PCB Totals and 209 Congeners

Project Due: 6/3/2004
TAT: 21
Hold Due: 5/24/2004
Prep Due: 5/23/2004

Matrix: PUF
Split Type: 1:2

5892

LabID	Client-ID	Component Type	Client Component ID	Recon	Date Received	SLoc
001	84FB-AIR-107	AUX#1	PUF	☑	5/13/2004	R-1
002	84-AIR-101	AUX#1	PUF	☑	5/13/2004	R-1
003	84-AIR-104	AUX#1	PUF	☑	5/13/2004	R-1
004	84B-AIR-105	AUX#1	PUF	☑	5/13/2004	R-1
005	84B-AIR-106	AUX#1	PUF	☑	5/13/2004	R-1
006	84D-AIR-102	AUX#1	PUF	☑	5/13/2004	R-1
007	84T-AIR-103	AUX#1	PUF	☑	5/13/2004	R-1

Instructions:
~~Report positives to 2.5x %RD. Calc DLs.~~ MM

Report Options
Report Level:
EDD Type:
Report Group: PCBs 209 List NoMDL

TEQ Type:

Samples Reconciled By: CW 5/16/04

Vial Box ID: Hives

Date Requested 5/23/2004

ALTA

ANALYTICAL PROCEDURE

ATTACHMENT 1

AIR APPARATUS SHIPPING REQUEST

Date Req'd by Client:: May-07-2004 Carrier: FED-EX / UPS

Company Name: CH2M Hill Phone: 505-855-5235

Project Manager: Dan Moore Fax: 505-816-0580

Shipping Attention: Mike Godwin Phone: 707-246-5781

Address: CH2M Hill Fax:

690 Walnut Ave. Email:

Suite 230 Cell Phone:

Vallejo, CA 94592

Number of Traps / PUFs: 8 Prep for: DD/DF HRPAH PCB LRPAH Semi-Volatile

Method(s): EPA Method 1668: 209 congeners

PUF/XAD2 batch no.: Personal Puf's Lot#3001

Pre-Spiked with 25ul @ 309168 (U4)

Pre-Spiked by TY Witness CC Date 5/7/04

Number of Traps / PUFs: Prep for: DD/DF HRPAH PCB LRPAH Semi-Volatile

Method(s):

PUF/XAD2 batch no.:

Pre-Spiked with

Pre-Spiked by Witness Date

Number of Filters: 0 Size of Filters: 0

QC blanks/Filters to be archived at ALTA? YES NO QC Blanks: 0 Filters: 0

Date Shipped: Will Call Carrier: Dow will pick up

Airbill No.: 2day vs overnight 0

Package Weight (lbs) Alta Traps: Skc Puf's

Alta Analytical Laboratory
El Dorado Hills, CA 95762

Project: 2499.

Extraction Set: 5892

Chemist: Christina Vreelenbe 5/16/04

Method(s): EPA Method 1668 | PCB Totals and 209 Congeners

Vial Box ID: Hives

ALTA Sample ID	Client Sample ID	PUF/Trap Prep Date	XAD/PUF Lot#	IS/NS CHEM/ WIT DATE	Impinger Extraction Date	AS CHEM/WIT DATE	Si/EL ABSG/ Florisil / CC CHEM/Date (Circle One)	RS CHEM/WIT DATE
0_5892_MB001	N/A	5/7/04	#3001	CV 5/16/04	N/A	N/A	CV 5/18/04	CV 5/18/04
0_5892_OPR001								
24990_5892_001	84FB-AIR-107							
24990_5892_002	84-AIR-101							
24990_5892_003	84-AIR-104							
24990_5892_004	84B-AIR-105							
24990_5892_005	84B-AIR-106							
24990_5892_006	84D-AIR-102							
24990_5892_007	84T-AIR-103							

Inadvertently spike with 25ul instead 20ul of Pre-spike.

IS Name	NS Name	AS Name	RS Name
PCDD/F	PCDD/F	PCDD/F	PCDD/F
PCB 030916B 20µl (V4)	PCB 030916C 20µl (V5)	PCB N/A	PCB 030916D 10µl (V2)
PAH	PAH	PAH	PAH
IS ID #4:	NS ID #4:	AS ID #4:	RS ID #4:

Cycle	#1:	#2:
Start	1600 5/16/04	N/A / /
Stop	0800 5/17/04	N/A / /

Final Volums(s): 100µl

Split: / / 1:4 (1:2)

Check Out: Chemist: CV 5/16/04

Check-In: Chemist: empty 5/16/04

hrmsgenprepair.rpt

CALIBRATION DATA

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#1 Analysis Date: 19-MAY-04 Time: 10:55:36

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	3.02	2.66-3.60	y	24.6	17.5-32.5
PCB-2	3.00	2.66-3.60	y	28.1	17.5-32.5
PCB-3	2.91	2.66-3.60	y	26.3	17.5-32.5
PCB-4/10	1.65	1.33-1.79	y	46.8	35.0-65.0
PCB-7/9	1.70	1.33-1.79	y	43.4	35.0-65.0
PCB-6	1.68	1.33-1.79	y	22.0	17.5-32.5
PCB-5/8	1.69	1.33-1.79	y	45.3	35.0-65.0
PCB-14	1.66	1.33-1.79	y	22.2	17.5-32.5
PCB-11	1.75	1.33-1.79	y	20.6	17.5-32.5
PCB-12/13	1.68	1.33-1.79	y	42.2	35.0-65.0
PCB-15	1.74	1.33-1.79	y	20.3	17.5-32.5
PCB-19	1.07	0.88-1.20	y	22.7	17.5-32.5
PCB-30	1.03	0.88-1.20	y	24.9	17.5-32.5
PCB-18	1.02	0.88-1.20	y	23.3	17.5-32.5
PCB-17	1.03	0.88-1.20	y	24.4	17.5-32.5
PCB-24/27	1.03	0.88-1.20	y	48.2	35.0-65.0
PCB-16/32	1.03	0.88-1.20	y	46.5	35.0-65.0
PCB-34	1.04	0.88-1.20	y	23.6	17.5-32.5
PCB-23	1.08	0.88-1.20	y	22.4	17.5-32.5
PCB-29	1.07	0.88-1.20	y	23.3	17.5-32.5
PCB-26	1.05	0.88-1.20	y	22.5	17.5-32.5
PCB-25	1.07	0.88-1.20	y	21.7	17.5-32.5
PCB-31	1.05	0.88-1.20	y	21.5	17.5-32.5
PCB-28	1.07	0.88-1.20	y	22.9	17.5-32.5
PCB-20/21/33	1.04	0.88-1.20	y	67.3	52.5-97.5
PCB-22	1.07	0.88-1.20	y	22.0	17.5-32.5
PCB-36	1.08	0.88-1.20	y	24.8	17.5-32.5
PCB-39	1.05	0.88-1.20	y	23.4	17.5-32.5
PCB-38	1.09	0.88-1.20	y	25.4	17.5-32.5
PCB-35	1.08	0.88-1.20	y	23.4	17.5-32.5
PCB-37	1.07	0.88-1.20	y	21.2	17.5-32.5
PCB-54	0.76	0.65-0.89	y	48.5	35.0-65.0
PCB-50	0.76	0.65-0.89	y	53.0	35.0-65.0
PCB-53	0.76	0.65-0.89	y	53.0	35.0-65.0
PCB-51	0.75	0.65-0.89	y	53.6	35.0-65.0
PCB-45	0.78	0.65-0.89	y	55.1	35.0-65.0
PCB-46	0.75	0.65-0.89	y	53.5	35.0-65.0

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-52/69	0.75	0.65-0.89	y	101.9	70.0-130
PCB-73	0.76	0.65-0.89	y	60.3	35.0-65.0
PCB-43/49	0.75	0.65-0.89	y	110.5	70.0-130
PCB-47	0.75	0.65-0.89	y	53.3	35.0-65.0
PCB-48/75	0.76	0.65-0.89	y	110.9	70.0-130
PCB-65	0.75	0.65-0.89	y	54.5	35.0-65.0
PCB-62	0.75	0.65-0.89	y	58.9	35.0-65.0
PCB-44	0.75	0.65-0.89	y	50.3	35.0-65.0
PCB-42/59	0.75	0.65-0.89	y	106.3	70.0-130
PCB-41/64/71/72	0.76	0.65-0.89	y	215.1	140-260
PCB-68	0.76	0.65-0.89	y	54.6	35.0-65.0
PCB-40	0.76	0.65-0.89	y	53.7	35.0-65.0
PCB-57	0.77	0.65-0.89	y	53.4	35.0-65.0
PCB-67	0.76	0.65-0.89	y	52.0	35.0-65.0
PCB-58	0.77	0.65-0.89	y	53.4	35.0-65.0
PCB-63	0.75	0.65-0.89	y	53.5	35.0-65.0
PCB-74	0.75	0.65-0.89	y	48.5	35.0-65.0
PCB-61	0.75	0.65-0.89	y	59.8	35.0-65.0
PCB-70	0.77	0.65-0.89	y	48.0	35.0-65.0
PCB-76	0.75	0.65-0.89	y	60.8	35.0-65.0
PCB-66	0.77	0.65-0.89	y	48.6	35.0-65.0
PCB-80	0.76	0.65-0.89	y	50.1	35.0-65.0
PCB-55	0.78	0.65-0.89	y	51.0	35.0-65.0
PCB-56/60	0.76	0.65-0.89	y	100.0	70.0-130
PCB-79	0.78	0.65-0.89	y	48.7	35.0-65.0
PCB-78	0.80	0.65-0.89	y	49.6	35.0-65.0
PCB-81	0.76	0.65-0.89	y	47.6	35.0-65.0
PCB-77	0.76	0.65-0.89	y	45.0	35.0-65.0
PCB-104	1.58	1.32-1.78	y	46.3	35.0-65.0
PCB-96	1.59	1.32-1.78	y	47.4	35.0-65.0
PCB-103	1.56	1.32-1.78	y	46.8	35.0-65.0
PCB-100	1.57	1.32-1.78	y	45.8	35.0-65.0
PCB-94	1.57	1.32-1.78	y	47.0	35.0-65.0
PCB-95/98/102	1.56	1.32-1.78	y	133.0	105-195
PCB-93	1.59	1.32-1.78	y	53.6	35.0-65.0
PCB-88/91	1.58	1.32-1.78	y	95.7	70.0-130
PCB-121	1.56	1.32-1.78	y	46.1	35.0-65.0

Analyst: [illegible]

Date: 5.19.04

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#1 Analysis Date: 19-MAY-04 Time: 10:55:36

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-84/92	1.55	1.32-1.78	y	92.8	70.0-130
PCB-89	1.58	1.32-1.78	y	47.5	35.0-65.0
PCB-90/101	1.57	1.32-1.78	y	93.9	70.0-130
PCB-113	1.58	1.32-1.78	y	49.9	35.0-65.0
PCB-99	1.57	1.32-1.78	y	45.6	35.0-65.0
PCB-119	1.60	1.32-1.78	y	46.6	35.0-65.0
PCB-108/112	1.54	1.32-1.78	y	92.0	70.0-130
PCB-83	1.60	1.32-1.78	y	48.0	35.0-65.0
PCB-97	1.66	1.32-1.78	y	44.7	35.0-65.0
PCB-86	1.52	1.32-1.78	y	50.4	35.0-65.0
PCB-87/117/125	1.58	1.32-1.78	y	129.9	105-195
PCB-111/115	1.57	1.32-1.78	y	94.2	70.0-130
PCB-85/116	1.59	1.32-1.78	y	92.8	70.0-130
PCB-120	1.56	1.32-1.78	y	46.6	35.0-65.0
PCB-110	1.57	1.32-1.78	y	43.1	35.0-65.0
PCB-82	1.56	1.32-1.78	y	49.8	35.0-65.0
PCB-124	1.54	1.32-1.78	y	51.5	35.0-65.0
PCB-107/109	1.58	1.32-1.78	y	97.4	70.0-130
PCB-123	1.60	1.32-1.78	y	47.9	35.0-65.0
PCB-106/118	1.58	1.32-1.78	y	96.3	70.0-130
PCB-114	1.55	1.32-1.78	y	40.3	35.0-65.0
PCB-122	1.56	1.32-1.78	y	42.2	35.0-65.0
PCB-105	1.55	1.32-1.78	y	41.2	35.0-65.0
PCB-127	1.60	1.32-1.78	y	43.6	35.0-65.0
PCB-126	1.61	1.32-1.78	y	40.0	35.0-65.0
PCB-155	1.32	1.05-1.43	y	45.7	35.0-65.0
PCB-150	1.31	1.05-1.43	y	46.2	35.0-65.0
PCB-152	1.30	1.05-1.43	y	45.5	35.0-65.0
PCB-145	1.32	1.05-1.43	y	45.2	35.0-65.0
PCB-136	1.30	1.05-1.43	y	43.7	35.0-65.0
PCB-148	1.31	1.05-1.43	y	45.3	35.0-65.0
PCB-154	1.30	1.05-1.43	y	48.7	35.0-65.0
PCB-151	1.31	1.05-1.43	y	43.6	35.0-65.0
PCB-135	1.29	1.05-1.43	y	44.1	35.0-65.0
PCB-144	1.31	1.05-1.43	y	42.4	35.0-65.0
PCB-147	1.30	1.05-1.43	y	43.6	35.0-65.0
PCB-139/149	1.30	1.05-1.43	y	83.4	70.0-130

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-140	1.31	1.05-1.43	y	41.6	35.0-65.0
PCB-134/143	1.25	1.05-1.43	y	102.2	70.0-130
PCB-133/142	1.24	1.05-1.43	y	105.8	70.0-130
PCB-131	1.27	1.05-1.43	y	55.2	35.0-65.0
PCB-146/165	1.24	1.05-1.43	y	99.4	70.0-130
PCB-132/161	1.25	1.05-1.43	y	97.0	70.0-130
PCB-153	1.26	1.05-1.43	y	50.8	35.0-65.0
PCB-168	1.24	1.05-1.43	y	51.7	35.0-65.0
PCB-141	1.27	1.05-1.43	y	50.3	35.0-65.0
PCB-137	1.23	1.05-1.43	y	53.9	35.0-65.0
PCB-130	1.25	1.05-1.43	y	49.5	35.0-65.0
PCB-138/163/164	1.22	1.05-1.43	y	153.6	105-195
PCB-158/160	1.23	1.05-1.43	y	102.8	70.0-130
PCB-129	1.24	1.05-1.43	y	51.0	35.0-65.0
PCB-166	1.22	1.05-1.43	y	50.2	35.0-65.0
PCB-159	1.22	1.05-1.43	y	49.3	35.0-65.0
PCB-128/162	1.24	1.05-1.43	y	120.1	70.0-130
PCB-167	1.25	1.05-1.43	y	50.7	35.0-65.0
PCB-156	1.25	1.05-1.43	y	50.8	35.0-65.0
PCB-157	1.25	1.05-1.43	y	49.5	35.0-65.0
PCB-169	1.23	1.05-1.43	y	46.5	35.0-65.0
PCB-188	1.04	0.89-1.21	y	47.5	35.0-65.0
PCB-184	1.05	0.89-1.21	y	48.5	35.0-65.0
PCB-179	1.04	0.89-1.21	y	51.1	35.0-65.0
PCB-176	1.06	0.89-1.21	y	51.9	35.0-65.0
PCB-186	1.06	0.89-1.21	y	49.0	35.0-65.0
PCB-178	1.07	0.89-1.21	y	48.8	35.0-65.0
PCB-175	1.05	0.89-1.21	y	51.0	35.0-65.0
PCB-182/187	1.04	0.89-1.21	y	92.1	70.0-130
PCB-183	1.04	0.89-1.21	y	51.3	35.0-65.0
PCB-185	1.05	0.89-1.21	y	48.5	35.0-65.0
PCB-174	1.05	0.89-1.21	y	45.9	35.0-65.0
PCB-181	1.08	0.89-1.21	y	48.4	35.0-65.0
PCB-177	1.06	0.89-1.21	y	46.9	35.0-65.0
PCB-171	1.06	0.89-1.21	y	45.3	35.0-65.0
PCB-173	1.06	0.89-1.21	y	44.7	35.0-65.0
PCB-172	1.04	0.89-1.21	y	48.0	35.0-65.0

Analyst: [illegible]

Date: 5/19-04

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#1 Analysis Date: 19-MAY-04 Time: 10:55:36

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.07	0.89-1.21	y	49.7	35.0-65.0
PCB-180	1.05	0.89-1.21	y	46.8	35.0-65.0
PCB-193	1.05	0.89-1.21	y	46.8	35.0-65.0
PCB-191	1.07	0.89-1.21	y	47.6	35.0-65.0
PCB-170	1.06	0.89-1.21	y	47.7	35.0-65.0
PCB-190	1.06	0.89-1.21	y	48.3	35.0-65.0
PCB-189	1.06	0.89-1.21	y	44.0	35.0-65.0
PCB-202	0.91	0.76-1.02	y	70.5	52.5-97.5
PCB-201	0.90	0.76-1.02	y	76.8	52.5-97.5
PCB-204	0.91	0.76-1.02	y	75.7	52.5-97.5
PCB-197	0.91	0.76-1.02	y	77.2	52.5-97.5
PCB-200	0.92	0.76-1.02	y	83.9	52.5-97.5
PCB-198	0.95	0.76-1.02	y	78.1	52.5-97.5
PCB-199	0.85	0.76-1.02	y	75.5	52.5-97.5
PCB-196/203	0.90	0.76-1.02	y	153.5	105-195
PCB-195	0.91	0.76-1.02	y	68.0	52.5-97.5
PCB-194	0.92	0.76-1.02	y	71.8	52.5-97.5
PCB-205	0.92	0.76-1.02	y	69.9	52.5-97.5
PCB-208	1.35	1.14-1.54	y	72.3	52.5-97.5
PCB-207	1.34	1.14-1.54	y	80.6	52.5-97.5
PCB-206	1.33	1.14-1.54	y	76.5	52.5-97.5
PCB-209	1.19	0.99-1.34	y	64.6	52.5-97.5

Analyst: [illegible]

Date: 5-19-04

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#1 Analysis Date: 19-MAY-04 Time: 10:55:36

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.19	2.66-3.60	y	112.3	50.0-150
13C-PCB-3	3.29	2.66-3.60	y	99.6	50.0-150
13C-PCB-4	1.59	1.33-1.81	y	100.1	50.0-150
13C-PCB-9	1.60	1.33-1.81	y	106.7	50.0-150
13C-PCB-19	1.04	0.88-1.20	y	115.9	50.0-150
13C-PCB-32	1.06	0.88-1.20	y	117.9	50.0-150
13C-PCB-28	1.09	0.88-1.20	y	108.2	50.0-150
13C-PCB-37	1.09	0.88-1.20	y	101.7	50.0-150
13C-PCB-54	0.81	0.65-0.89	y	98.4	50.0-150
13C-PCB-81	0.80	0.65-0.89	y	97.8	50.0-150
13C-PCB-77	0.77	0.65-0.89	y	96.9	50.0-150
13C-PCB-104	1.56	1.33-1.81	y	112.5	50.0-150
13C-PCB-95	1.59	1.33-1.81	y	107.5	50.0-150
13C-PCB-101	1.57	1.33-1.81	y	105.6	50.0-150
13C-PCB-123	1.54	1.33-1.81	y	99.5	50.0-150
13C-PCB-118	1.58	1.33-1.81	y	98.4	50.0-150
13C-PCB-114	1.63	1.33-1.81	y	110.4	50.0-150
13C-PCB-105	1.63	1.33-1.81	y	112.2	50.0-150
13C-PCB-126	1.60	1.33-1.81	y	114.9	50.0-150
13C-PCB-155	1.27	1.05-1.43	y	98.2	50.0-150
13C-PCB-153	1.29	1.05-1.43	y	99.6	50.0-150
13C-PCB-167	1.28	1.05-1.43	y	101.1	50.0-150
13C-PCB-156	1.25	1.05-1.43	y	93.0	50.0-150
13C-PCB-157	1.29	1.05-1.43	y	94.0	50.0-150
13C-PCB-169	1.28	1.05-1.43	y	97.3	50.0-150
13C-PCB-188	0.46	0.38-0.52	y	97.0	50.0-150
13C-PCB-180	0.46	0.38-0.52	y	95.8	50.0-150
13C-PCB-170	0.45	0.38-0.52	y	95.8	50.0-150
13C-PCB-189	0.45	0.38-0.52	y	108.5	50.0-150
13C-PCB-202	0.93	0.76-1.02	y	89.5	50.0-150
13C-PCB-194	0.94	0.76-1.02	y	98.6	50.0-150
13C-PCB-208	0.79	0.66-0.99	y	89.9	50.0-150
13C-PCB-206	0.77	0.66-0.99	y	103.3	50.0-150
13C-PCB-209	1.19	0.99-1.35	y	94.3	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.81	0.65-0.89	y	108.2	60 - 130
13C-PCB-178	0.46	0.38-0.52	y	97.8	60 - 130

Analyst: [illegible]

Date: 5/19/04

Client ID: PCB CS3 040409C Filename: 040519E1 S:1 Acq:19-MAY-04 10:55:36 ConCal: ST040519E1-1

Lab ID: ST040519E1-1 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	2.97e+07	3.02 y	1.00	15:15	1.001	0.996-1.006	24.6
PCB-2	2.91e+07	3.00 y	0.84	17:30	0.988	0.984-0.994	28.1
PCB-3	3.11e+07	2.91 y	0.96	17:43	1.001	0.996-1.006	26.3
PCB-4/10	4.95e+07	1.65 y	1.81	19:00	1.003	0.998-1.008	46.8
PCB-7/9	6.13e+07	1.70 y	1.48	20:40	1.002	0.997-1.007	43.4
PCB-6	3.10e+07	1.68 y	1.48	21:16	1.031	1.027-1.037	22.0
PCB-5/8	6.19e+07	1.69 y	1.44	21:39	1.050	1.044-1.054	45.3
PCB-14	3.18e+07	1.66 y	1.51	22:40	1.099	1.095-1.107	22.2
PCB-11	2.84e+07	1.75 y	1.45	23:47	1.153	1.148-1.159	20.6
PCB-12/13	6.03e+07	1.68 y	1.50	24:08	1.170	1.165-1.177	42.2
PCB-15	3.28e+07	1.74 y	1.70	24:26	1.185	1.180-1.192	20.3
PCB-19	1.73e+07	1.07 y	1.18	22:49	1.001	0.996-1.006	22.7
PCB-30	2.67e+07	1.03 y	1.67	23:39	1.038	1.034-1.044	24.9
PCB-18	1.77e+07	1.02 y	0.69	24:20	0.954	0.950-0.960	23.3
PCB-17	2.10e+07	1.03 y	0.78	24:30	0.961	0.956-0.966	24.4
PCB-24/27	5.25e+07	1.03 y	0.99	25:01	0.982	0.977-0.987	48.2
- PCB-16/32	4.36e+07	1.03 y	0.85	25:29	1.000	0.995-1.005	46.5
- PCB-34	2.65e+07	1.04 y	1.19	26:14	0.961	0.956-0.966	23.6
PCB-23	2.80e+07	1.08 y	1.33	26:20	0.964	0.959-0.969	22.4
PCB-29	2.97e+07	1.07 y	1.35	26:34	0.973	0.968-0.978	23.3
PCB-26	2.71e+07	1.05 y	1.28	26:45	0.980	0.975-0.985	22.5
PCB-25	2.73e+07	1.07 y	1.33	26:54	0.985	0.980-0.990	21.7
PCB-31	2.63e+07	1.05 y	1.30	27:13	0.997	0.991-1.001	21.5
PCB-28	3.32e+07	1.07 y	1.54	27:20	1.001	0.996-1.006	22.9
PCB-20/21/33	8.07e+07	1.04 y	1.27	27:53	1.021	1.016-1.026	67.3
PCB-22	2.75e+07	1.07 y	1.33	28:17	1.036	1.031-1.041	22.0
PCB-36	2.74e+07	1.08 y	1.47	28:52	0.935	0.930-0.940	24.8
PCB-39	2.77e+07	1.05 y	1.57	29:19	0.949	0.944-0.954	23.4
PCB-38	2.80e+07	1.09 y	1.46	30:01	0.972	0.966-0.976	25.4
PCB-35	2.50e+07	1.08 y	1.42	30:29	0.988	0.982-0.992	23.4
PCB-37	2.50e+07	1.07 y	1.57	30:54	1.001	0.995-1.005	21.2
PCB-54	4.06e+07	0.76 y	0.99	26:16	1.001	0.996-1.006	48.5
PCB-50	3.28e+07	0.76 y	0.73	27:21	1.042	1.037-1.047	53.0
PCB-53	3.19e+07	0.76 y	0.71	27:56	1.064	1.059-1.069	53.0
PCB-51	3.27e+07	0.75 y	0.72	28:15	1.076	1.071-1.081	53.6
PCB-45	2.90e+07	0.78 y	0.62	28:38	1.091	1.087-1.097	55.1
PCB-46	2.73e+07	0.75 y	0.60	29:05	1.108	1.102-1.114	53.5

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	6.94e+07	0.75 y	0.81	29:32	1.125	1.119-1.131	102
PCB-73	4.61e+07	0.76 y	0.90	29:37	1.129	1.123-1.135	60.3
PCB-43/49	6.59e+07	0.75 y	0.71	29:48	1.135	1.129-1.141	110
PCB-47	3.27e+07	0.75 y	0.73	29:59	1.143	1.136-1.148	53.3
PCB-48/75	8.06e+07	0.76 y	0.86	30:05	1.146	1.141-1.153	111
PCB-65	3.96e+07	0.75 y	0.86	30:20	1.156	1.150-1.162	54.5
PCB-62	4.12e+07	0.75 y	0.83	30:26	1.160	1.154-1.166	58.9
PCB-44	2.60e+07	0.75 y	0.61	30:42	1.170	1.164-1.176	50.3
PCB-42/59	7.08e+07	0.75 y	0.79	30:55	1.178	1.171-1.183	106
PCB-41/64/71/72	1.59e+08	0.76 y	0.88	31:27	1.199	1.193-1.205	215
PCB-68	4.46e+07	0.76 y	0.97	31:42	1.208	1.202-1.214	54.6
PCB-40	2.41e+07	0.76 y	0.53	31:52	1.214	1.208-1.220	53.7
PCB-57	4.17e+07	0.77 y	1.09	32:13	0.885	0.880-0.888	53.4
PCB-67	4.17e+07	0.76 y	1.12	32:30	0.893	0.886-0.895	52.0
PCB-58	4.13e+07	0.77 y	1.08	32:36	0.896	0.889-0.898	53.4
PCB-63	4.15e+07	0.75 y	1.09	32:45	0.899	0.893-0.902	53.5
PCB-74	3.99e+07	0.75 y	1.15	33:01	0.907	0.900-0.909	48.5
PCB-61	3.88e+07	0.75 y	0.91	33:08	0.910	0.903-0.913	59.8
PCB-70	3.90e+07	0.77 y	1.14	33:12	0.912	0.905-0.915	48.0
PCB-76	4.29e+07	0.75 y	0.99	33:19	0.915	0.911-0.921	60.8
PCB-66	4.56e+07	0.77 y	1.31	33:24	0.917	0.911-0.921	48.6
PCB-80	4.59e+07	0.76 y	1.28	33:37	0.923	0.917-0.927	50.1
PCB-55	4.01e+07	0.78 y	1.10	33:52	0.930	0.925-0.935	51.0
PCB-56/60	7.80e+07	0.76 y	1.09	34:20	0.943	0.936-0.946	100.0
PCB-79	3.89e+07	0.78 y	1.12	35:20	0.970	0.965-0.975	48.7
PCB-78	3.83e+07	0.80 y	1.08	35:57	0.987	0.982-0.992	49.6
PCB-81	3.94e+07	0.76 y	1.16	36:26	1.001	0.995-1.005	47.6
PCB-77	3.48e+07	0.76 y	1.06	36:58	1.000	0.995-1.005	45.0
PCB-104	3.43e+07	1.58 y	1.16	30:34	1.001	0.996-1.006	46.3
PCB-96	3.35e+07	1.59 y	1.10	31:42	1.038	1.033-1.043	47.4
PCB-103	2.74e+07	1.56 y	0.91	32:13	1.055	1.050-1.060	46.8
PCB-100	2.66e+07	1.57 y	0.90	32:33	1.065	1.061-1.071	45.8
PCB-94	2.20e+07	1.57 y	0.98	32:57	0.986	0.981-0.991	47.0
PCB-95/98/102	6.93e+07	1.56 y	1.09	33:24	0.999	0.995-1.005	133
PCB-93	2.56e+07	1.59 y	1.00	33:31	1.003	0.998-1.008	53.6
PCB-88/91	4.56e+07	1.58 y	1.00	33:47	1.011	1.006-1.016	95.7
PCB-121	3.27e+07	1.56 y	1.49	33:54	1.014	1.009-1.019	46.1

RL: MONO, TRI: _____ Integrations by

RL: DI, TETRA - HEPTA: _____ Analyst: [illegible]

RL: OCTA - DECA: _____ Date: 5-19-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:1 Acq:19-MAY-04 10:55:36 ConCal: ST040519E1-1

Lab ID: ST040519E1-1 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
	PCB-84/92	4.42e+07	1.55 y	1.01	34:39	0.990	0.985	0.995	92.8
	PCB-89	2.15e+07	1.58 y	0.96	34:48	0.995	0.990	1.000	47.5
	PCB-90/101	5.04e+07	1.57 y	1.14	34:59	1.000	0.995	1.005	93.9
	PCB-113	2.80e+07	1.58 y	1.19	35:12	1.006	1.001	1.011	49.9
	PCB-99	2.71e+07	1.57 y	1.27	35:18	1.009	1.004	1.014	45.6
	PCB-119	3.18e+07	1.60 y	1.45	35:43	1.021	1.016	1.026	46.6
	PCB-108/112	4.97e+07	1.54 y	1.15	35:51	1.025	1.020	1.030	92.0
	PCB-83	2.95e+07	1.60 y	1.31	36:00	1.029	1.024	1.034	48.0
	PCB-97	2.15e+07	1.66 y	1.02	36:11	1.034	1.029	1.039	44.7
	PCB-86	2.16e+07	1.52 y	0.91	36:19	1.038	1.032	1.042	50.4
	B-87/117/125	8.07e+07	1.58 y	1.32	36:25	1.041	1.036	1.046	130
	PCB-111/115	6.49e+07	1.57 y	1.46	36:35	1.046	1.040	1.050	94.2
	PCB-85/116	5.26e+07	1.59 y	1.21	36:41	1.049	1.043	1.053	92.8
	PCB-120	3.35e+07	1.56 y	1.53	36:56	1.056	1.050	1.060	46.6
	PCB-110	2.98e+07	1.57 y	1.47	37:02	1.059	1.054	1.064	43.1
	PCB-82	1.84e+07	1.56 y	0.70	37:36	0.977	0.972	0.982	49.8
	PCB-124	3.21e+07	1.54 y	1.17	38:14	0.993	0.988	0.998	51.5
	PCB-107/109	6.27e+07	1.58 y	1.21	38:22	0.996	0.991	1.001	97.4
	PCB-123	2.94e+07	1.60 y	1.15	38:31	1.001	0.995	1.005	47.9
-	PCB-106/118	6.02e+07	1.58 y	1.06	38:42	1.001	0.996	1.006	96.3
-	PCB-114	3.13e+07	1.55 y	1.40	39:17	1.000	0.995	1.005	40.3
	PCB-122	3.33e+07	1.56 y	1.45	39:24	0.984	0.979	0.989	42.2
	PCB-105	3.21e+07	1.55 y	1.44	40:04	1.000	0.996	1.006	41.2
	PCB-127	3.20e+07	1.60 y	1.35	40:24	1.009	1.004	1.014	43.6
	PCB-126	3.03e+07	1.61 y	1.41	42:07	1.000	0.995	1.005	40.0
	PCB-155	2.99e+07	1.32 y	1.12	34:34	1.001	0.995	1.005	45.7
	PCB-150	2.80e+07	1.31 y	1.04	35:43	1.034	1.028	1.038	46.2
	PCB-152	2.72e+07	1.30 y	1.03	36:08	1.046	1.041	1.051	45.5
	PCB-145	2.68e+07	1.32 y	1.02	36:33	1.058	1.052	1.062	45.2
	PCB-136	2.54e+07	1.30 y	1.00	36:50	1.066	1.061	1.071	43.7
	PCB-148	2.08e+07	1.31 y	0.79	36:57	1.069	1.064	1.074	45.3
	PCB-154	2.60e+07	1.30 y	0.92	37:23	1.082	1.077	1.087	48.7
	PCB-151	1.83e+07	1.31 y	0.72	37:58	1.099	1.094	1.104	43.6
	PCB-135	1.81e+07	1.29 y	0.70	38:10	1.105	1.098	1.110	44.1
	PCB-144	1.90e+07	1.31 y	0.77	38:15	1.107	1.101	1.113	42.4
	PCB-147	2.11e+07	1.30 y	0.83	38:23	1.111	1.105	1.117	43.6
	PCB-139/149	3.88e+07	1.30 y	0.80	38:37	1.118	1.112	1.124	83.4

	Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
-	PCB-140	1.94e+07	1.31 y	0.80	38:48	1.123	1.117	1.129	41.6
-	PCB-134/143	3.75e+07	1.25 y	0.74	39:11	1.134	1.128	1.140	102
	PCB-133/142	3.90e+07	1.24 y	0.74	39:28	1.142	1.136	1.148	106
	PCB-131	1.97e+07	1.27 y	0.72	39:36	1.146	1.140	1.152	55.2
	PCB-146/165	4.98e+07	1.24 y	1.01	39:49	0.991	0.986	0.996	99.4
	PCB-132/161	4.60e+07	1.25 y	0.96	40:02	0.996	0.991	1.001	97.0
	PCB-153	2.59e+07	1.26 y	1.03	40:12	1.000	0.995	1.005	50.8
	PCB-168	2.86e+07	1.24 y	1.11	40:23	1.005	1.000	1.010	51.7
	PCB-141	2.22e+07	1.27 y	0.89	40:51	1.017	1.012	1.022	50.3
	PCB-137	2.23e+07	1.23 y	0.84	41:12	1.025	1.021	1.031	53.9
	PCB-130	1.89e+07	1.25 y	0.77	41:18	1.028	1.023	1.033	49.5
	PCB-138/163/164	8.31e+07	1.22 y	1.09	41:39	1.037	1.032	1.042	154
	PCB-158/160	5.92e+07	1.23 y	1.16	41:52	1.042	1.037	1.047	103
	PCB-129	1.85e+07	1.24 y	0.73	42:04	1.047	1.042	1.052	51.0
	PCB-166	2.71e+07	1.22 y	0.93	42:30	0.979	0.974	0.984	50.2
	PCB-159	2.83e+07	1.22 y	0.99	42:49	0.986	0.981	0.991	49.3
	PCB-128/162	5.82e+07	1.24 y	0.84	43:03	0.992	0.987	0.997	120
	PCB-167	2.83e+07	1.25 y	0.97	43:25	1.000	0.995	1.005	50.7
	PCB-156	2.73e+07	1.25 y	1.04	44:36	1.000	0.995	1.005	50.8
	PCB-157	2.64e+07	1.25 y	0.96	44:50	1.000	0.996	1.006	49.5
	PCB-169	2.45e+07	1.23 y	0.96	46:49	1.000	0.995	1.005	46.5
	PCB-188	2.80e+07	1.04 y	1.47	39:50	1.000	0.995	1.005	47.5
	PCB-184	2.88e+07	1.05 y	1.48	40:14	1.011	1.005	1.015	48.5
	PCB-179	2.82e+07	1.04 y	1.38	40:56	1.028	1.023	1.033	51.1
	PCB-176	2.78e+07	1.06 y	1.34	41:21	1.039	1.034	1.044	51.9
	PCB-186	2.70e+07	1.06 y	1.38	41:55	1.053	1.048	1.058	49.0
	PCB-178	1.94e+07	1.07 y	0.99	42:22	1.064	1.059	1.069	48.8
	PCB-175	1.99e+07	1.05 y	0.98	42:41	1.072	1.067	1.077	51.0
	PCB-182/187	4.25e+07	1.04 y	1.16	42:51	1.076	1.071	1.081	92.1
	PCB-183	2.29e+07	1.04 y	1.12	43:08	1.083	1.078	1.088	51.3
	PCB-185	1.86e+07	1.05 y	1.38	43:44	0.956	0.952	0.962	48.5
	PCB-174	1.87e+07	1.05 y	1.46	44:03	0.963	0.959	0.969	45.9
	PCB-181	1.92e+07	1.08 y	1.42	44:09	0.966	0.961	0.971	48.4
	PCB-177	1.76e+07	1.06 y	1.35	44:18	0.969	0.964	0.974	46.9
	PCB-171	1.83e+07	1.06 y	1.45	44:34	0.975	0.970	0.980	45.3
	PCB-173	1.60e+07	1.06 y	1.29	44:57	0.983	0.978	0.988	44.7
	PCB-172	1.74e+07	1.04 y	1.30	45:22	0.992	0.987	0.997	48.0

RL: MONO, TRI: _____ Integrations by Analyst: [signature]

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 5-19-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:1 Acq:19-MAY-04 10:55:36 ConCal: ST040519E1-1 Page 1 of

Lab ID: ST040519E1-1 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
	PCB-192	2.35e+07	1.07 y	1.70	45:33	0.996	0.991	-1.001	49.7
	PCB-180	1.95e+07	1.05 y	1.50	45:45	1.000	0.995	-1.005	46.8
	PCB-193	2.53e+07	1.05 y	1.94	45:55	1.004	0.999	-1.009	46.8
	PCB-191	2.38e+07	1.07 y	1.79	46:09	1.009	1.004	-1.014	47.6
	PCB-170	1.74e+07	1.06 y	1.53	47:06	1.000	0.995	-1.005	47.7
	PCB-190	2.32e+07	1.06 y	2.02	47:16	1.004	0.999	-1.009	48.3
	PCB-189	2.56e+07	1.06 y	1.42	48:30	1.000	0.995	-1.005	44.0
	PCB-202	2.87e+07	0.91 y	1.00	44:44	1.000	0.996	-1.006	70.5
	PCB-201	3.07e+07	0.90 y	0.99	45:10	1.010	1.005	-1.015	76.8
	PCB-204	3.12e+07	0.91 y	1.02	45:19	1.014	1.008	-1.018	75.7
	PCB-197	3.24e+07	0.91 y	1.04	45:36	1.020	1.014	-1.025	77.2
	PCB-200	3.32e+07	0.92 y	0.98	46:23	1.038	1.032	-1.042	83.9
	PCB-198	2.15e+07	0.95 y	0.68	47:38	1.066	1.060	-1.070	78.1
	PCB-199	2.26e+07	0.85 y	0.74	47:44	1.068	1.062	-1.072	75.5
-	PCB-196/203	4.93e+07	0.90 y	0.79	47:59	1.073	1.068	-1.078	153
-	PCB-195	3.14e+07	0.91 y	1.18	49:05	0.984	0.979	-0.989	68.0
	PCB-194	3.59e+07	0.92 y	1.28	49:54	1.000	0.995	-1.005	71.8
	PCB-205	4.57e+07	0.92 y	1.67	50:09	1.005	1.000	-1.010	69.9
	PCB-208	3.20e+07	1.35 y	0.94	49:12	1.000	0.995	-1.005	72.3
	PCB-207	3.17e+07	1.34 y	0.84	49:29	1.006	1.001	-1.014	80.6
	PCB-206	2.51e+07	1.33 y	0.88	51:20	1.000	0.995	-1.005	76.5
	PCB-209	3.66e+07	1.19 y	1.11	52:32	1.000	0.995	-1.005	64.6

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	9.02e+07	3.02 y	15:15	0.93	79.3	
Total Di-PCB	3.57e+08	1.65 y	19:00	1.51	263	
Total Tri-PCB	1.79e+08	1.07 y	22:49	0.99	190	
Total Tri-PCB	4.53e+08	1.04 y	26:14	1.38	377	Sum:567
Total Tetra-PCB	1.59e+09	0.76 y	26:16	0.81	2230	
Total Penta-PCB	1.11e+09	1.58 y	30:34	1.10	1930	
Total Penta-PCB	1.73e+08	1.55 y	39:17	1.41	225	Sum:2150
Total Hexa-PCB	3.19e+08	1.32 y	34:34	0.88	619	
Total Hexa-PCB	6.99e+08	1.25 y	39:11	0.92	1460	Sum:2080
Total Hepta-PCB	5.35e+08	1.04 y	39:50	1.37	1160	
Total Octa-PCB	2.50e+08	0.91 y	44:44	0.89	691	
Total Octa-PCB	1.17e+08	0.91 y	49:05	1.38	217	Sum:908
Total Nona-PCB	8.97e+07	1.35 y	49:12	0.89	232	
Total Deca-PCB	3.66e+07	1.19 y	52:32	1.11	64.6	

RL: MONO, TRI: _____ Integrations by Analyst: [signature]

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 5-19-04

Client ID: PCB CS3 040409C
Lab ID: ST040519E1-1

Filename: 040519E1 S:1 Acq:19-MAY-04 10:55:36
GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000

ConCal: ST040519E1-1
EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	1.21e+08	3.19 y	1.09	15:14	0.623	0.624-0.630	112	112
13C-PCB-3	1.23e+08	3.29 y	1.24	17:42	0.725	0.723-0.731	99.6	99.6
13C-PCB-4	5.84e+07	1.59 y	0.59	18:56	0.775	0.774-0.782	100	100
13C-PCB-9	9.51e+07	1.60 y	0.90	20:38	0.845	0.842-0.850	107	107
13C-PCB-19	6.44e+07	1.04 y	0.70	22:47	0.838	0.835-0.843	116	116
13C-PCB-28	9.40e+07	1.09 y	1.09	27:19	1.004	0.998-1.008	108	108
13C-PCB-32	1.10e+08	1.06 y	1.18	25:29	0.937	0.932-0.942	118	118
13C-PCB-37	7.52e+07	1.09 y	0.93	30:53	1.135	1.128-1.140	102	102
13C-PCB-54	8.45e+07	0.81 y	1.15	26:14	0.765	0.762-0.770	98.4	98.4
13C-PCB-77	7.31e+07	0.77 y	1.01	36:58	1.077	1.071-1.081	96.9	96.9
13C-PCB-81	7.15e+07	0.80 y	0.98	36:24	1.061	1.056-1.066	97.8	97.8
13C-PCB-95	4.77e+07	1.59 y	0.73	33:26	0.914	0.910-0.920	107	107
13C-PCB-101	4.71e+07	1.57 y	0.73	34:59	0.957	0.952-0.962	106	106
13C-PCB-104	6.41e+07	1.56 y	0.93	30:33	0.835	0.832-0.840	112	112
13C-PCB-105	5.43e+07	1.63 y	1.09	40:03	0.962	0.957-0.967	112	112
13C-PCB-114	5.55e+07	1.63 y	1.13	39:16	0.944	0.938-0.948	110	110
13C-PCB-118	5.91e+07	1.58 y	0.98	38:40	1.057	1.053-1.063	98.4	98.4
13C-PCB-123	5.32e+07	1.54 y	0.87	38:30	1.053	1.048-1.058	99.5	99.5
13C-PCB-126	5.40e+07	1.60 y	1.06	42:06	1.012	1.006-1.016	115	115
13C-PCB-153	4.96e+07	1.29 y	1.12	40:11	0.966	0.961-0.971	99.6	99.6
13C-PCB-155	5.83e+07	1.27 y	0.97	34:33	0.830	0.827-0.835	98.2	98.2
13C-PCB-156	5.16e+07	1.25 y	1.24	44:35	1.071	1.066-1.076	93.0	93.0
13C-PCB-157	5.56e+07	1.29 y	1.33	44:49	1.077	1.072-1.082	94.0	94.0
13C-PCB-167	5.78e+07	1.28 y	1.28	43:25	1.043	1.038-1.048	101	101
13C-PCB-169	5.47e+07	1.28 y	1.26	46:48	1.125	1.118-1.130	97.3	97.3
13C-PCB-170	2.37e+07	0.45 y	0.56	47:06	1.132	1.125-1.137	95.8	95.8
13C-PCB-180	2.78e+07	0.46 y	0.65	45:44	1.099	1.094-1.104	95.8	95.8
13C-PCB-188	3.99e+07	0.46 y	0.92	39:49	0.957	0.952-0.962	97.0	97.0
13C-PCB-189	4.08e+07	0.45 y	0.85	48:30	1.166	1.158-1.170	108	108
13C-PCB-194	3.91e+07	0.94 y	0.71	49:53	0.995	0.990-1.000	98.6	98.6
13C-PCB-202	4.05e+07	0.93 y	1.02	44:43	1.075	1.070-1.080	89.5	89.5
13C-PCB-206	3.73e+07	0.77 y	0.65	51:19	1.024	1.019-1.029	103	103
13C-PCB-208	4.70e+07	0.79 y	0.94	49:11	0.981	0.977-0.987	89.9	89.9
13C-PCB-209	5.11e+07	1.19 y	0.97	52:31	1.048	1.044-1.054	94.3	94.3
13C-PCB-15	9.92e+07	1.57 y	1.00	24:25			100	-
13C-PCB-31	7.95e+07	1.10 y	1.00	27:12			100	-
13C-PCB-60	7.47e+07	0.81 y	1.00	34:19			100	-
13C-PCB-111	6.11e+07	1.56 y	1.00	36:34			100	-
13C-PCB-138	4.45e+07	1.29 y	1.00	41:37			100	-
13C-PCB-205	5.58e+07	0.93 y	1.00	50:08			100	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	6.31e+07	0.81	y	29:30	0.82	108	108
13C-PCB-178	2.45e+07	0.46	y	42:21	0.90	97.8	97.8

Integrations by Analyst: [signature]

Date: 5-19-04

Alta Analytical Laboratory - Injection Log Run file: 040519E1 Instrument ID: VG-8 GC Column ID: DB-1

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
040519E1	1	ST040519E1-1 PCB CS3 040409C	RAS	19-MAY-04	10:55:36	ST040519E1-1	ST040519E1-2
040519E1	2	0_5892_OPR001	RAS	19-MAY-04	11:55:50	ST040519E1-1	ST040519E1-2
040519E1	3	SOLVENT BLANK	RAS	19-MAY-04	12:56:05	ST040519E1-1	ST040519E1-2
040519E1	4	0_5892_MB001	RAS	19-MAY-04	13:56:21	ST040519E1-1	ST040519E1-2
040519E1	5	24990_5892_001 84FB-AIR-107 1Train	RAS	19-MAY-04	14:56:36	ST040519E1-1	ST040519E1-2
040519E1	6	24990_5892_002 84-AIR-101 1Train	RAS	19-MAY-04	15:56:45	ST040519E1-1	ST040519E1-2
040519E1	7	24990_5892_003 84-AIR-104 1Train	RAS	19-MAY-04	16:56:54	ST040519E1-1	ST040519E1-2
040519E1	8	24990_5892_004 84B-AIR-105 1Train	RAS	19-MAY-04	17:57:08	ST040519E1-1	ST040519E1-2
040519E1	9	24990_5892_005 84B-AIR-106 1Train	RAS	19-MAY-04	18:57:22	ST040519E1-1	ST040519E1-2
040519E1	10	24990_5892_006 84D-AIR-102 1Train	RAS	19-MAY-04	19:57:36	ST040519E1-1	ST040519E1-2
040519E1	11	24990_5892_007 84T-AIR-103 1Train	RAS	19-MAY-04	20:57:50	ST040519E1-1	ST040519E1-2
040519E1	12	SOLVENT BLANK	RAS	19-MAY-04	21:58:05	ST040519E1-1	ST040519E1-2
040519E1	13	ST040519E1-2 PCB CS3 040409C	RAS	19-MAY-04	22:58:20	ST040519E1-1	ST040519E1-2

STANDARD OPERATING PROCEDURE

HRMS STANDARDS REVIEW CHECKLIST

Attachment 7.F.2

Beginning Calibration ID: ST040519 91-1 Ending Calibration ID: ST040519 91-2

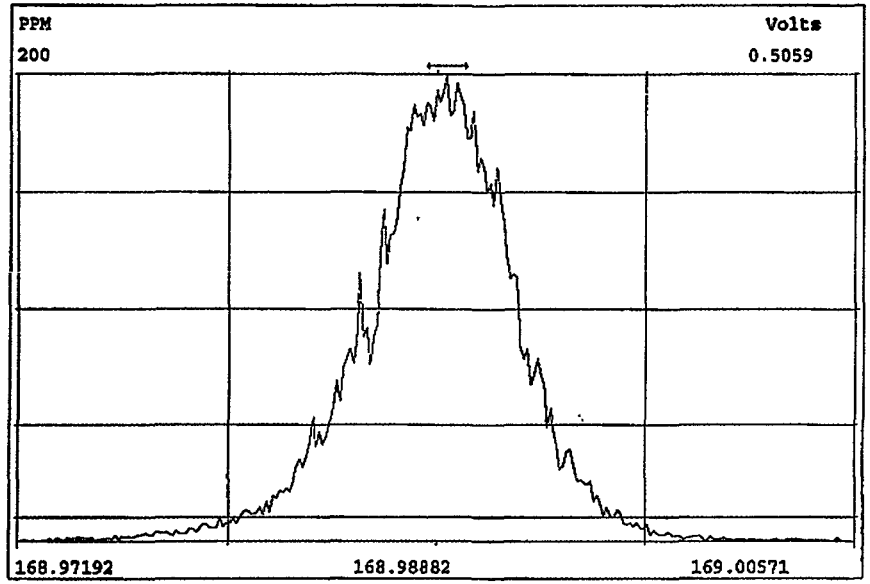
	Beg.CAL	End. CAL	COMMENTS
Calibration Verification/Form 4A/B: Ion abundance within QC limits?	✓	✓	
Calibration Verification/Form 4A/B: Conc within Conc. range?	✓	✓	
Form 5: First and last eluters present? (N/A for DB225)	N/A	N/A	
Form 6A/6B: Relative Retention Times within limits? (N/A for M23, TO9, 1668, DB225)	N/A	N/A	
Cal. Ver. Named correctly? (Ex. ST-Year-Month-Day-VG ID)	✓	✓	
Cal. Verification forms signed and dated for review?	✓	✓	
Appropriate ICAL referenced?	✓	✓	
Run log: Standards named correctly? Correct Instrument listed?	✓	✓	
Run log: Samples within 12-hour shift?		✓	
Mass resolution > 10,000	✓	✓	
2378-TCDD/TCDF valley < 25% (N/A for 1668)	N/A	N/A	
All appropriate peaks integrated correctly?	✓	✓	
Manual integrations included?	✓	✓	
8280: Ratios within limits?		N/A	
8280: S/N > 2.5:1		↓	
8280: CS1 within 12 hrs?		↓	

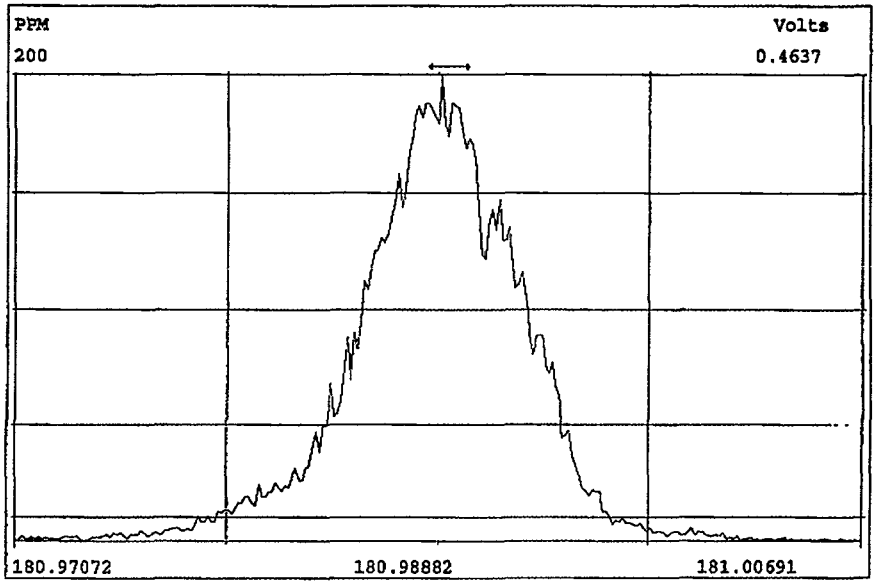
Reviewer Initial/Date: MS 5/20/04 QA* (Random 5% Check) Initial/Date: _____

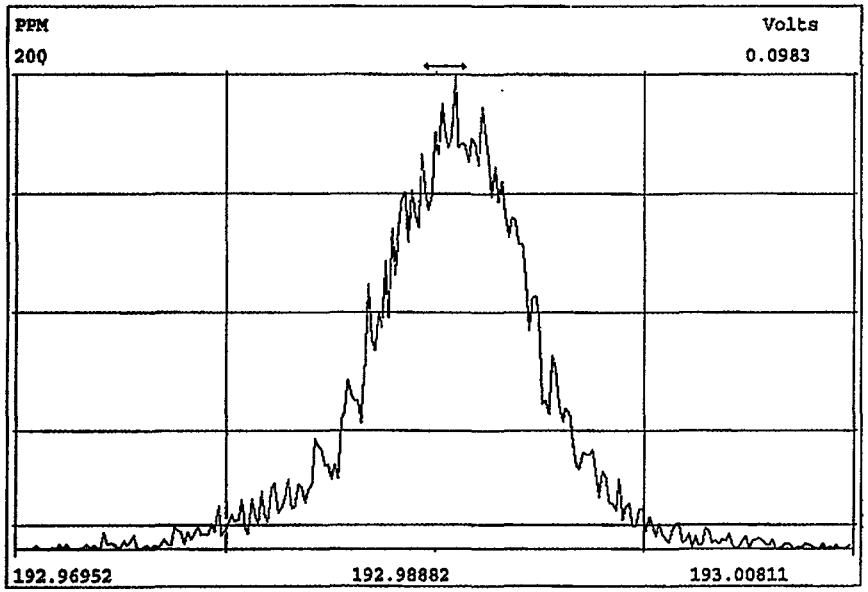
Alta Analytical Laboratory
El Dorado Hills, CA 95762

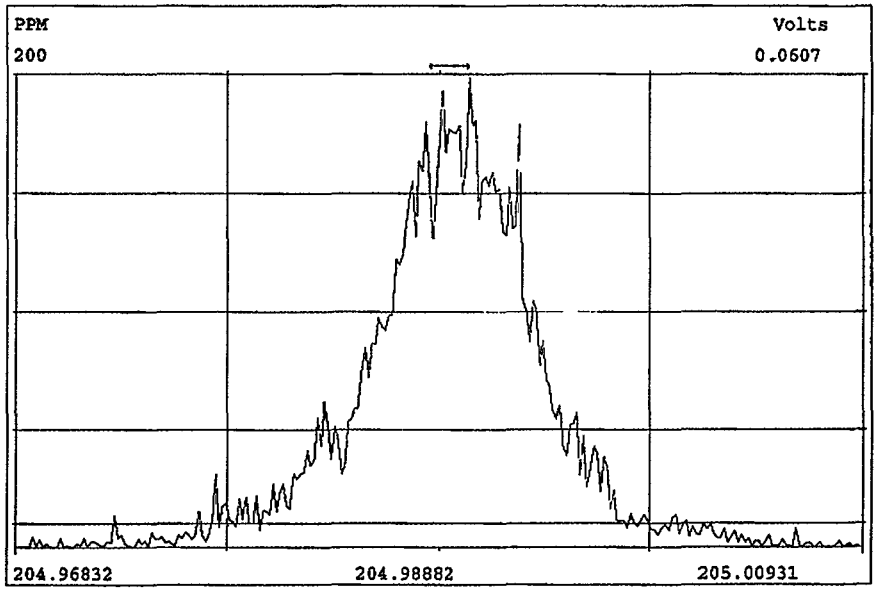
Peak Locate Examination:19-MAY-2004:10:54 File:040519E1

Experiment:PCB_DB1 Function:1 Reference:PFK



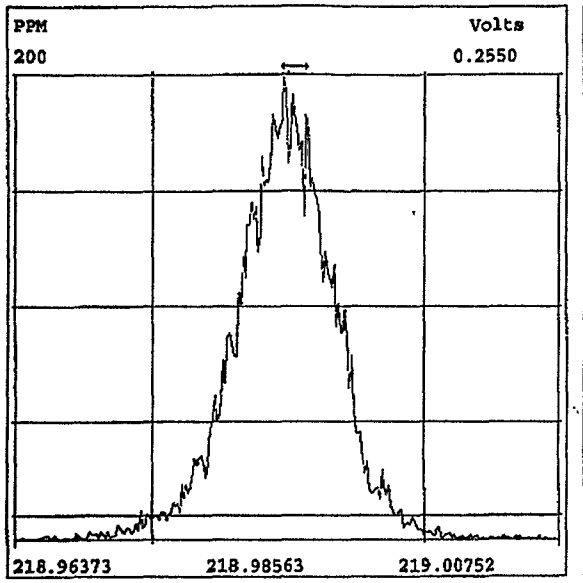


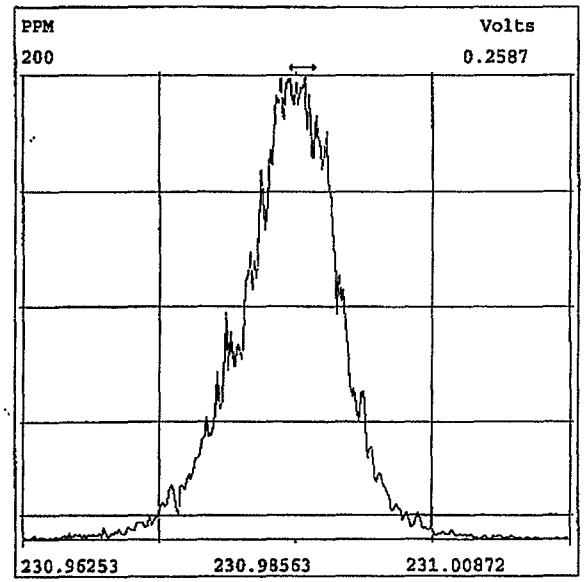


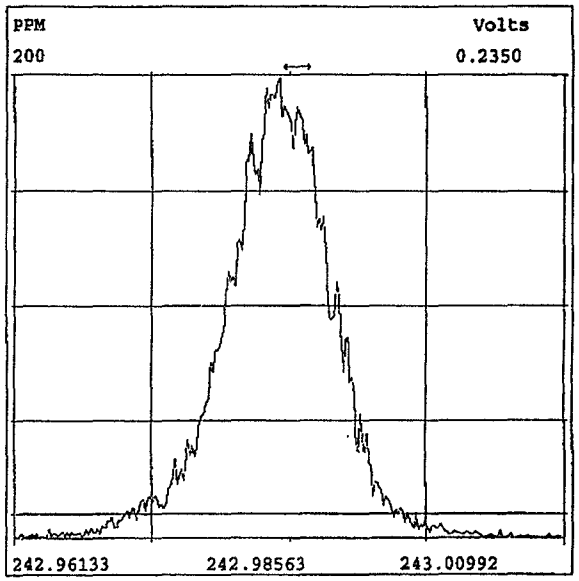


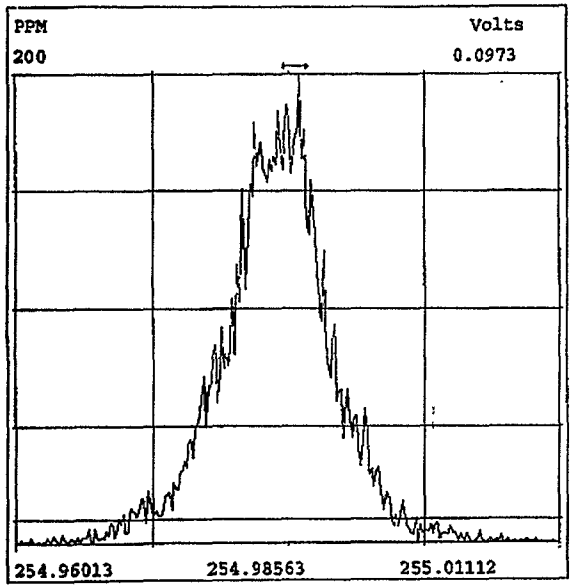
Peak Locate Examination:19-MAY-2004:10:54 File:040519E1

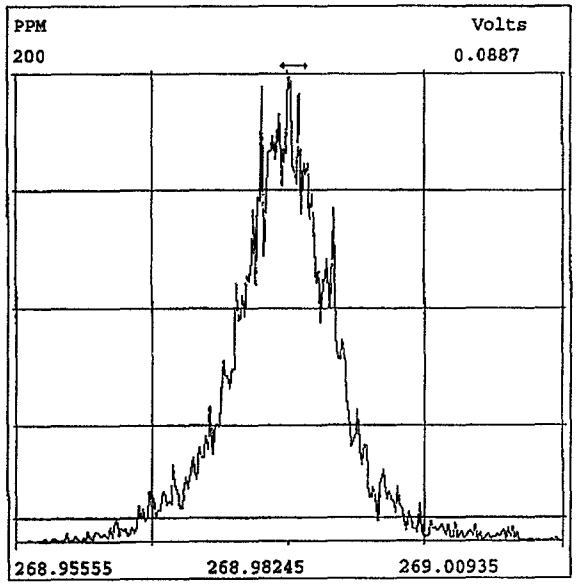
Experiment:PCB_DB1 Function:2 Reference:PFK

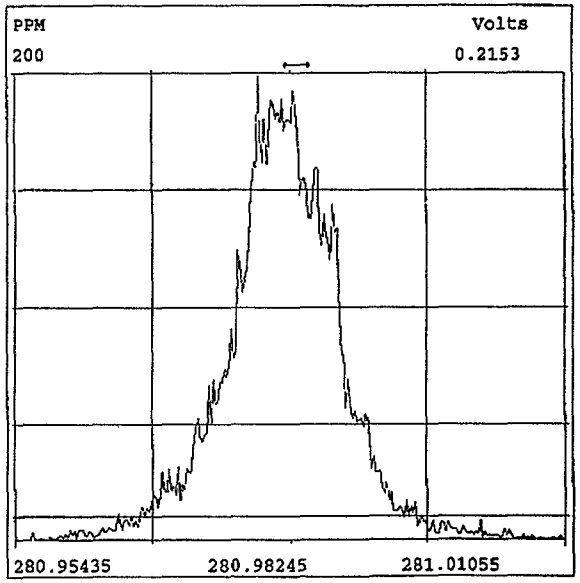






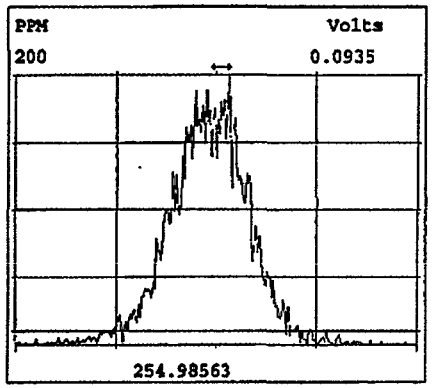


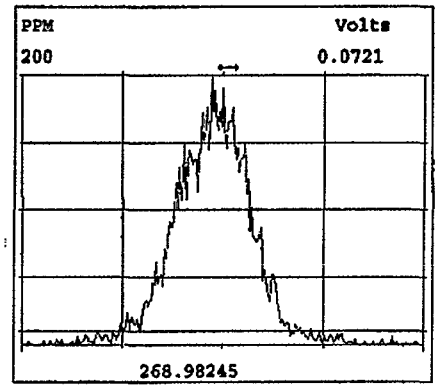


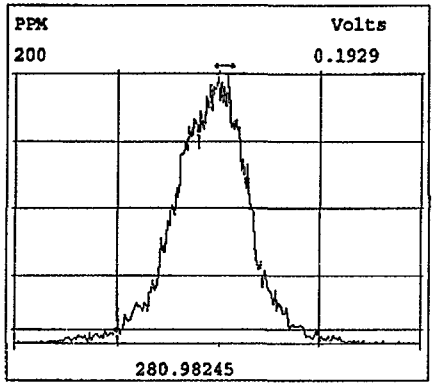


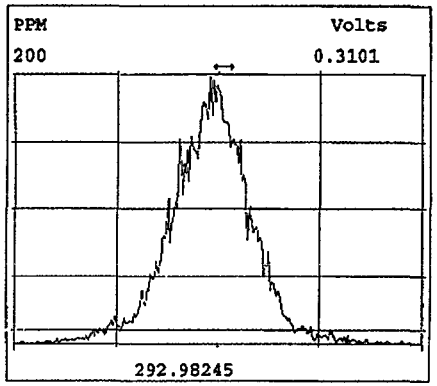
Peak Locate Examination:19-MAY-2004:10:54 File:040519E1

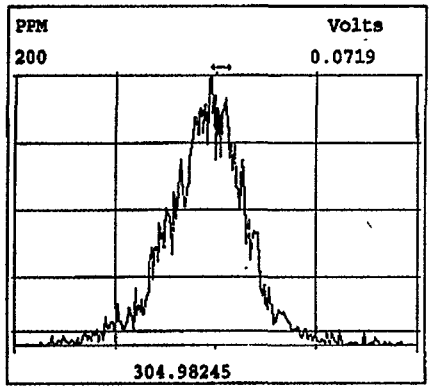
Experiment:PCB_DB1 Function:3 Reference:PFK

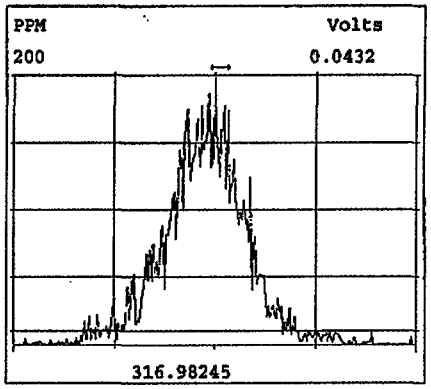


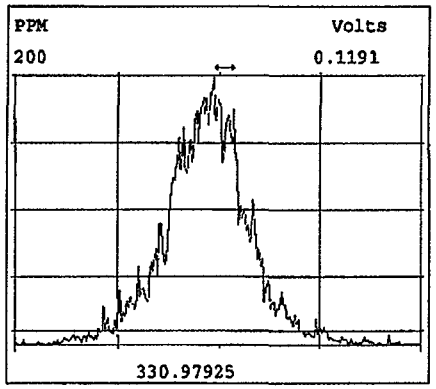


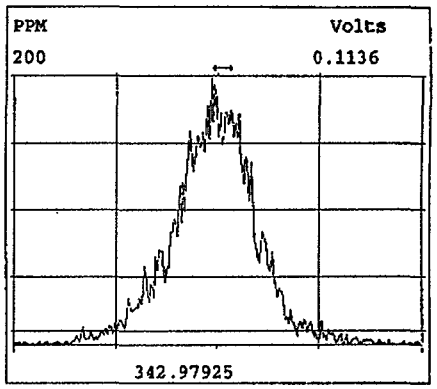


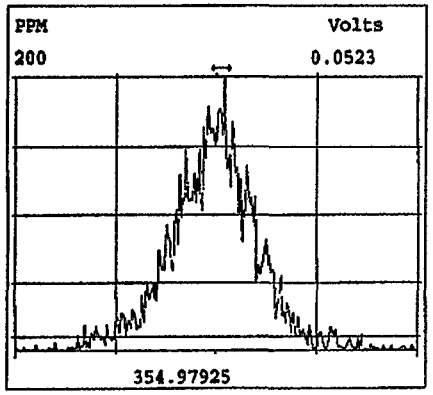


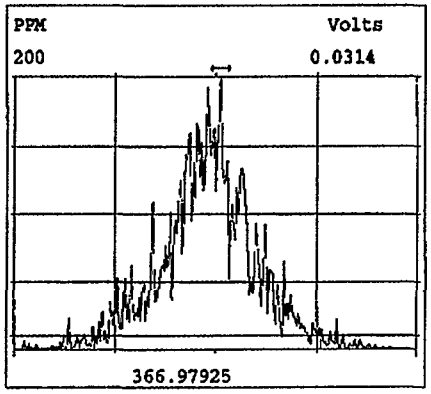


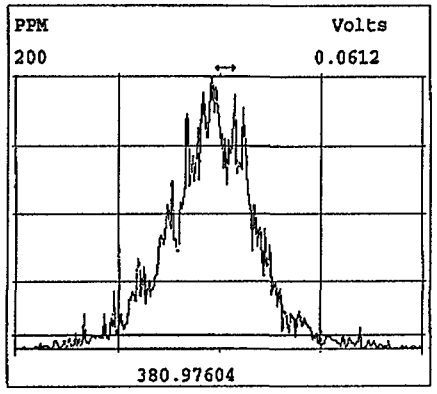






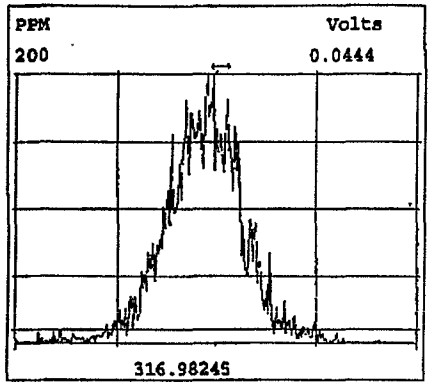


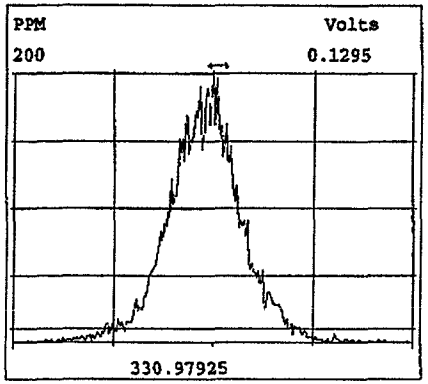


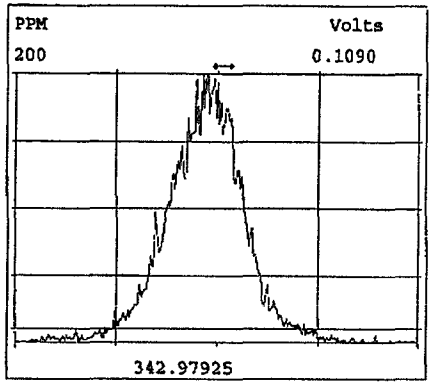


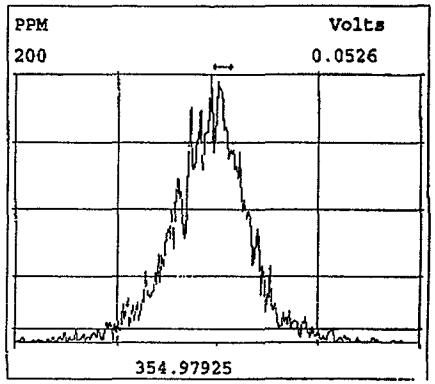
Peak Locate Examination:19-MAY-2004:10:54 File:040519E1

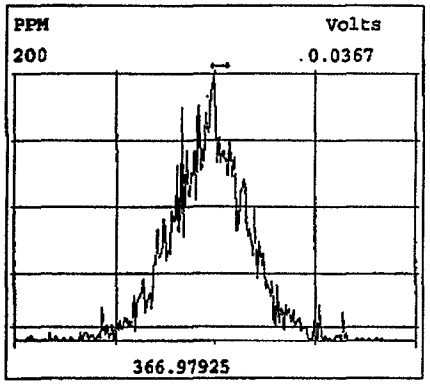
Experiment:PCB_DB1 Function:4 Reference:PFK

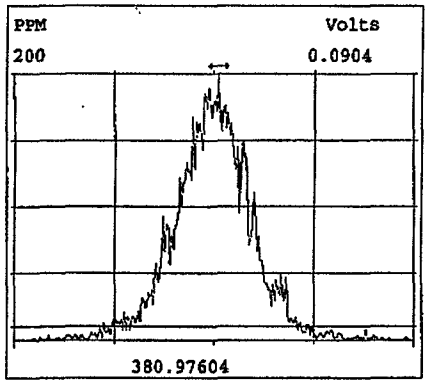


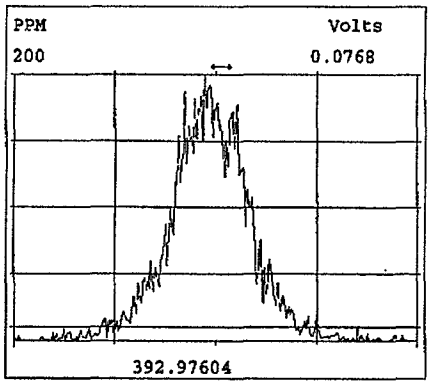


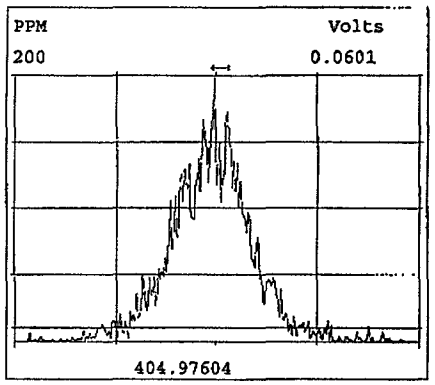


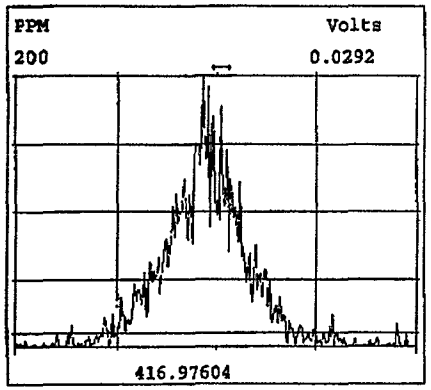


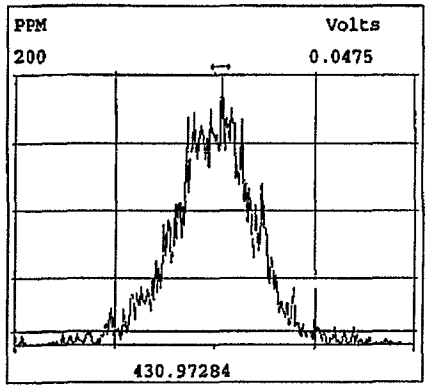


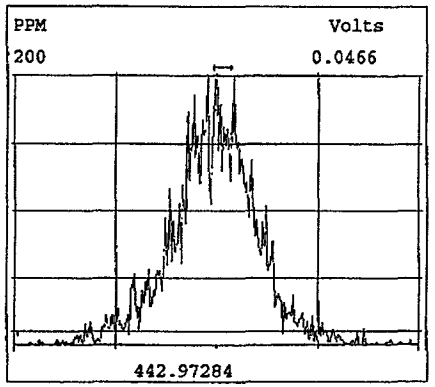






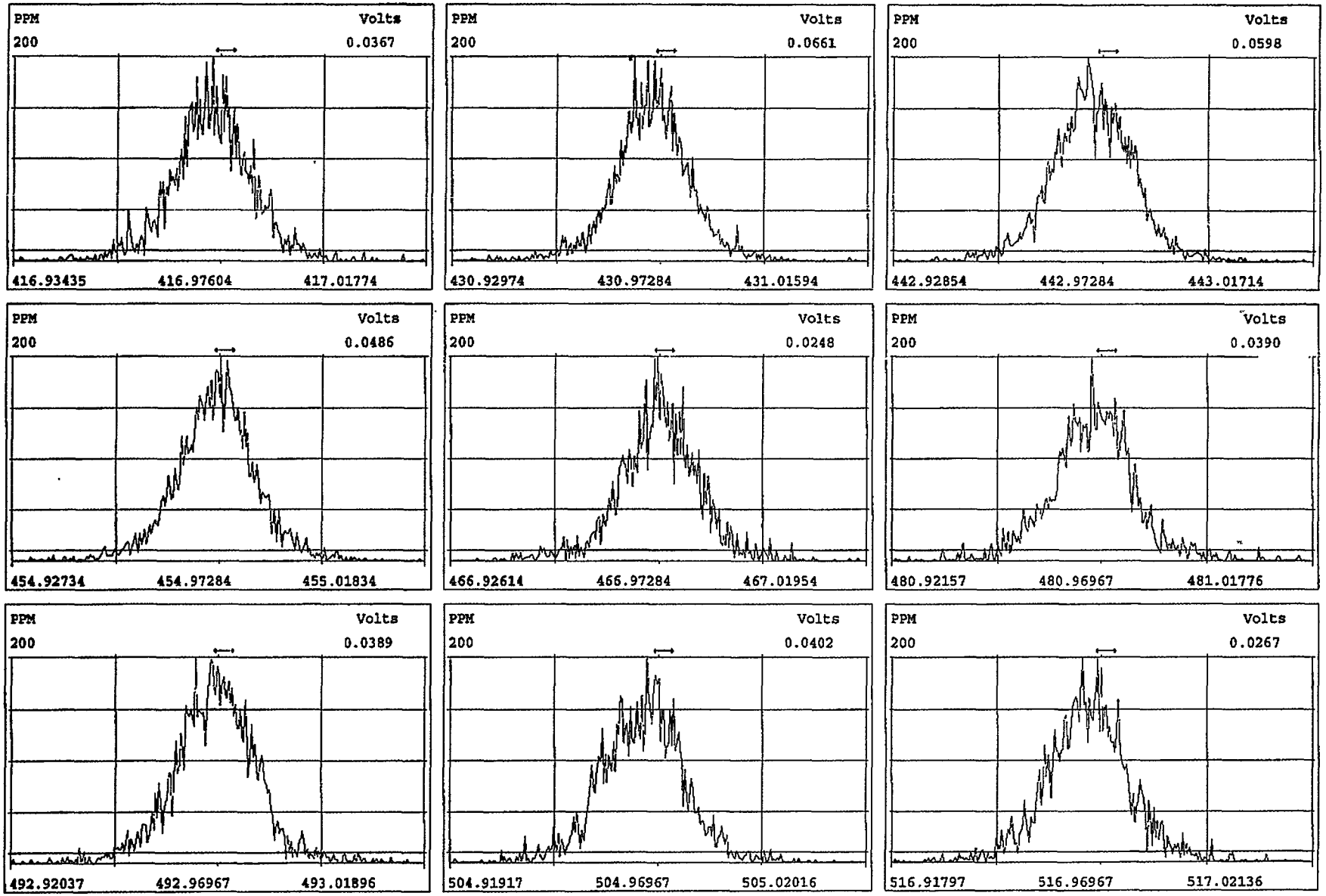




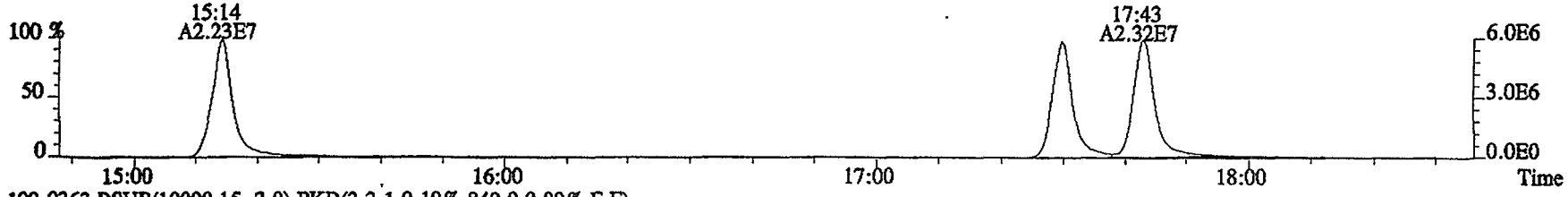


Peak Locate Examination:19-MAY-2004:10:55 File:040519E1

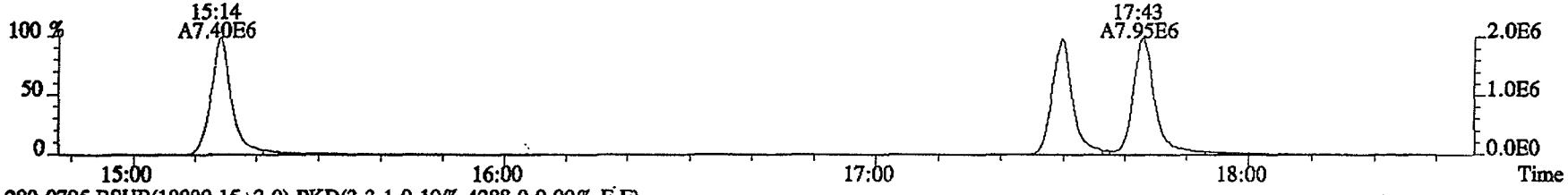
Experiment:PCB_DB1 Function:5 Reference:PFK



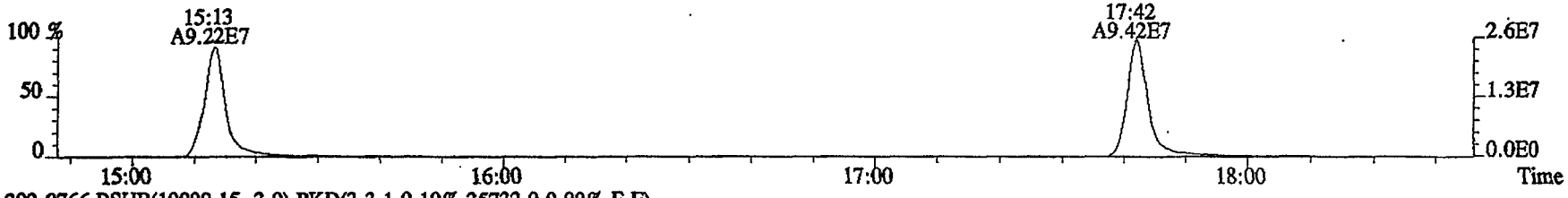
File:040519E1 #1-728 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
188.0393 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1828.0,0.00%,F,F)



190.0363 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,840.0,0.00%,F,F)

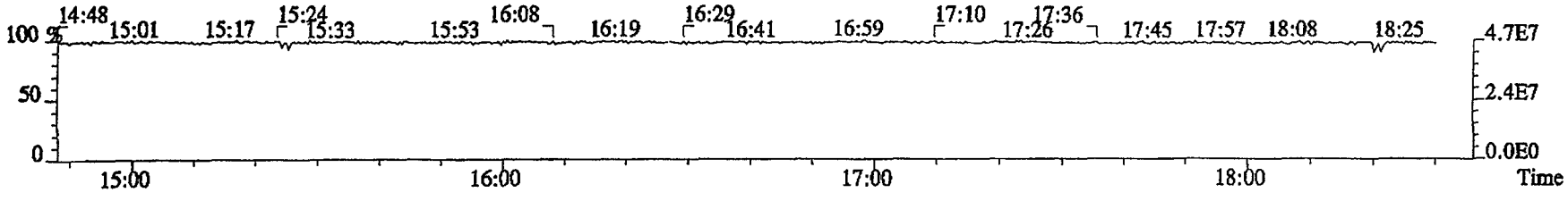


200.0795 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4288.0,0.00%,F,F)

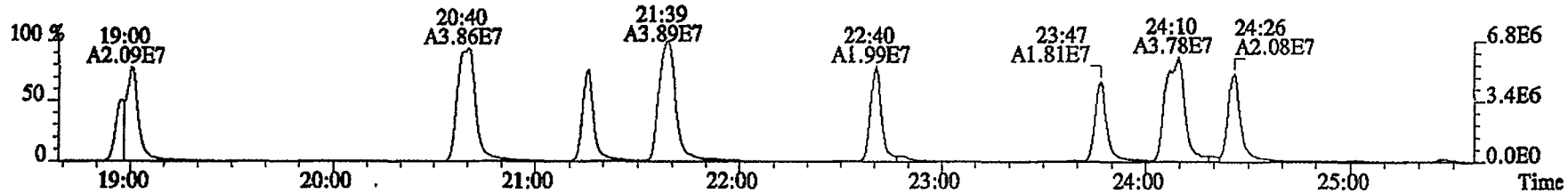


202.0766 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,35732.0,0.00%,F,F)

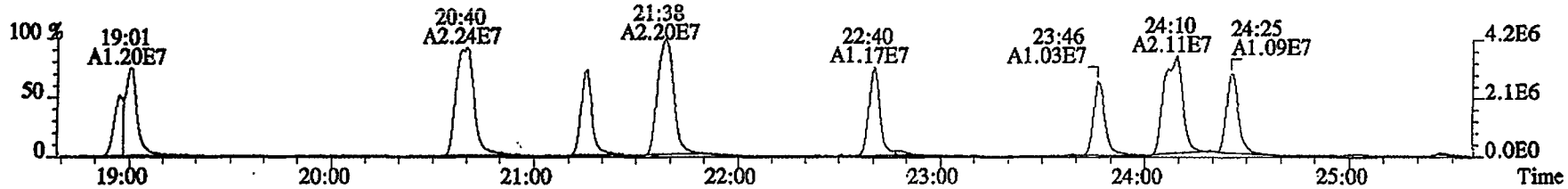
180.9880



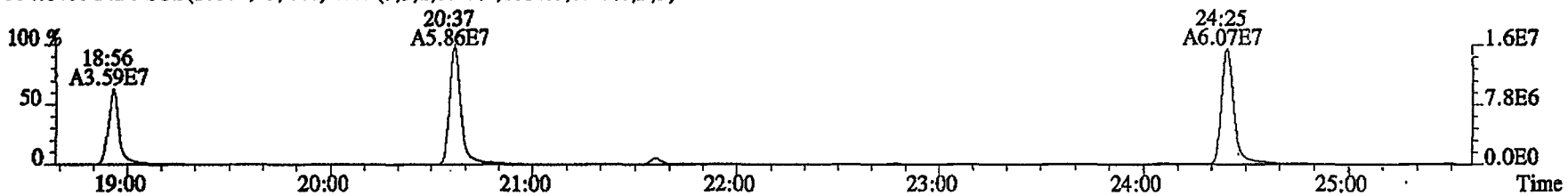
File:040519E1 #1-686 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6740.0,0.00%,F,F)



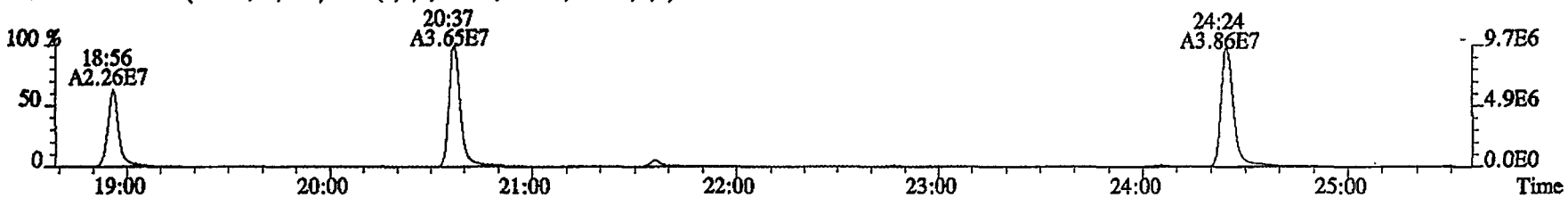
223.9974 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,41744.0,0.00%,F,F)



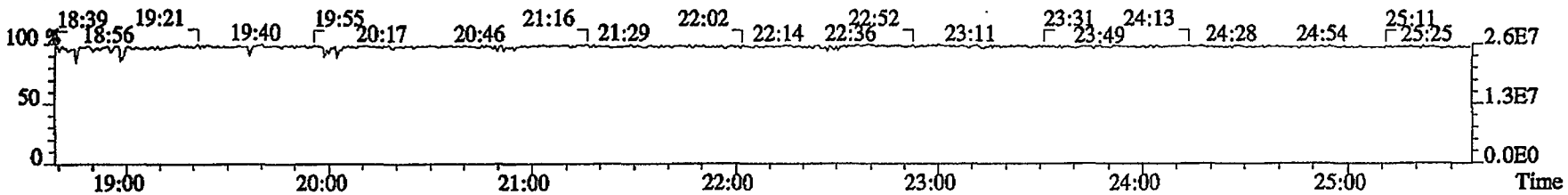
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2604.0,0.00%,F,F)



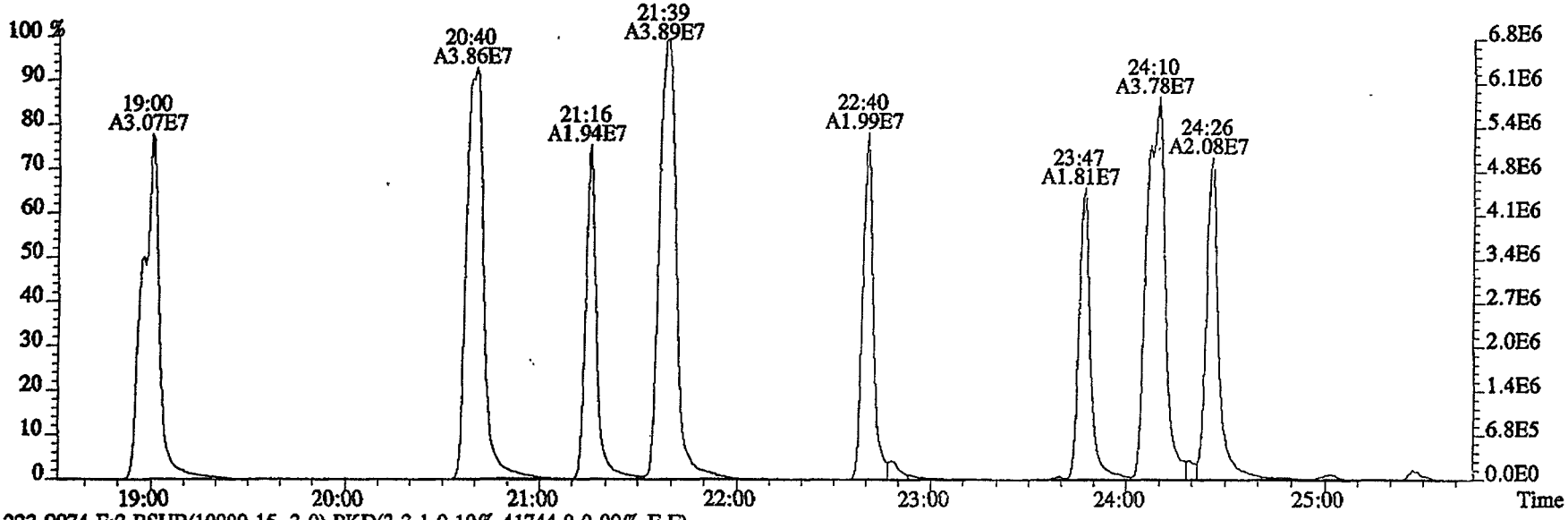
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1656.0,0.00%,F,F)



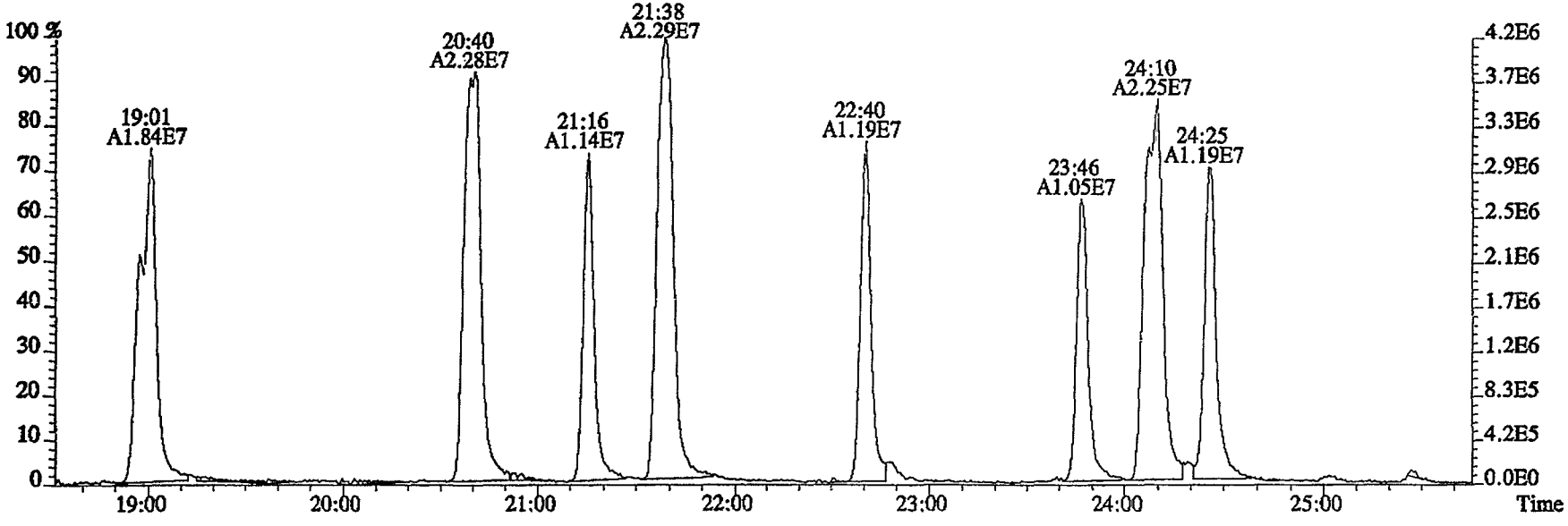
230.9856 F:2



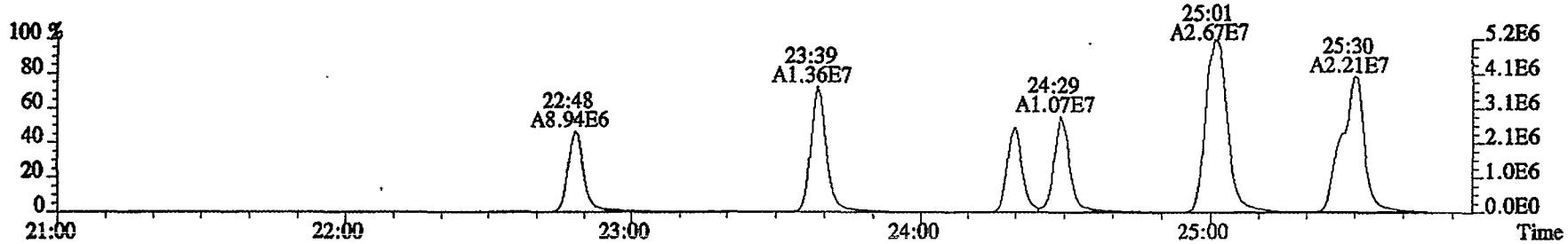
File:040519E1 #1-686 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6740.0,0.00%,F,F)



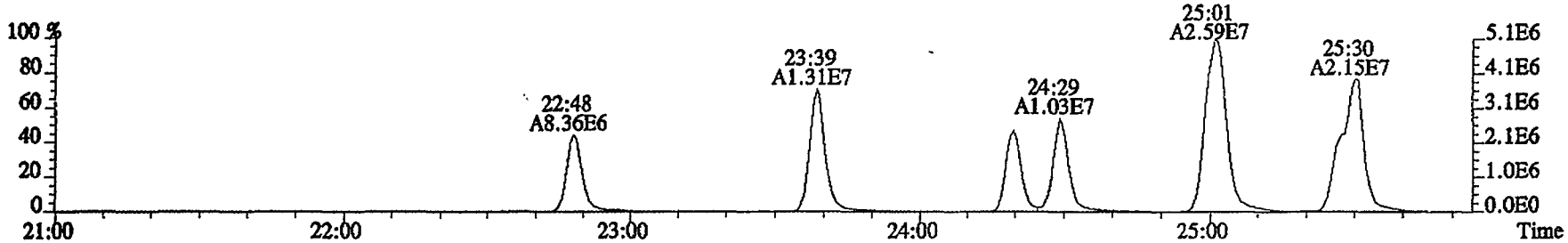
223.9974 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,41744.0,0.00%,F,F)



File:040519E1 #1-686 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2204.0,0.00%,F,F)

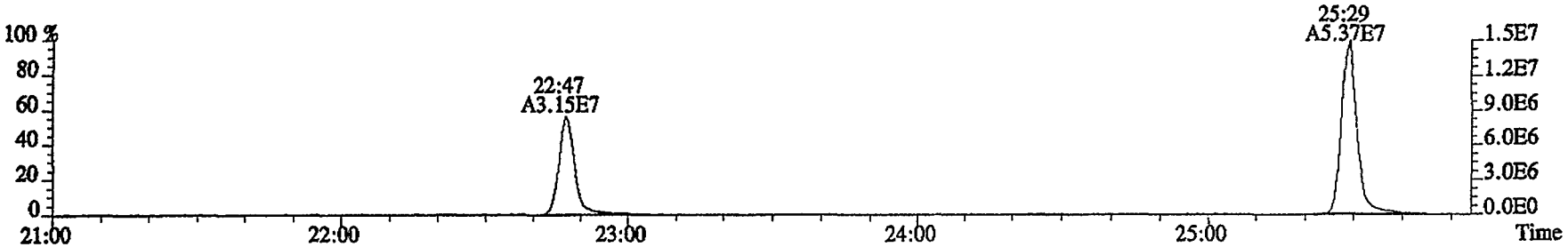


257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)

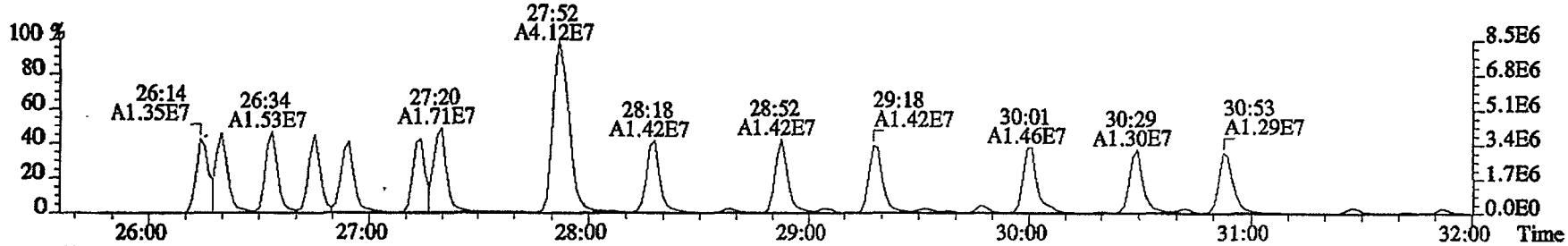


268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,35888.0,0.00%,F,F)

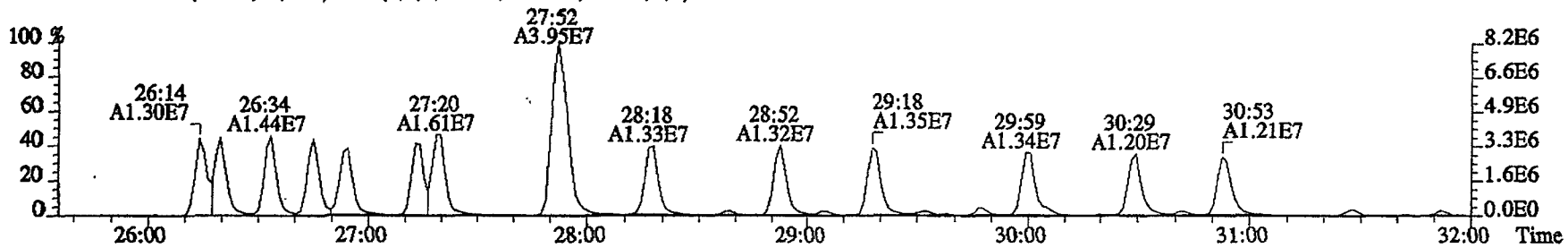
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,21344.0,0.00%,F,F)



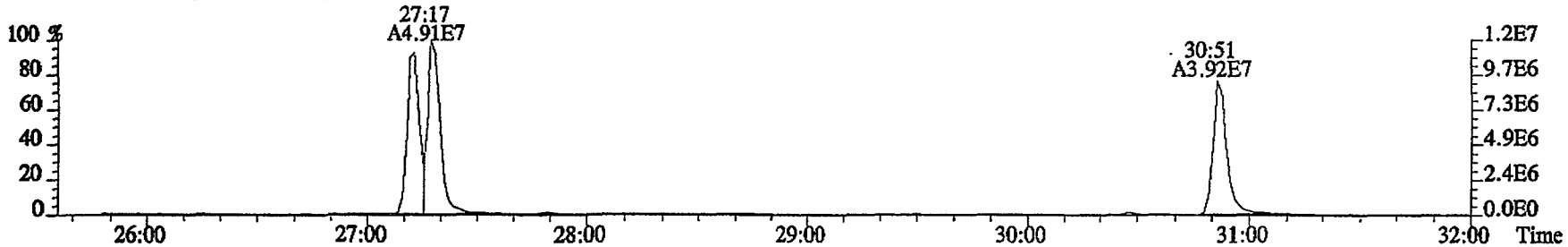
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
255.9613 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22016.0,0.00%,F,F)



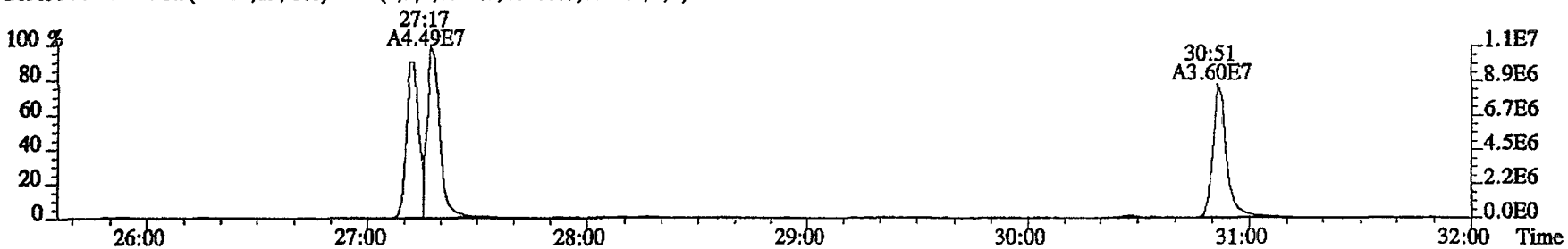
257.9584 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29576.0,0.00%,F,F)



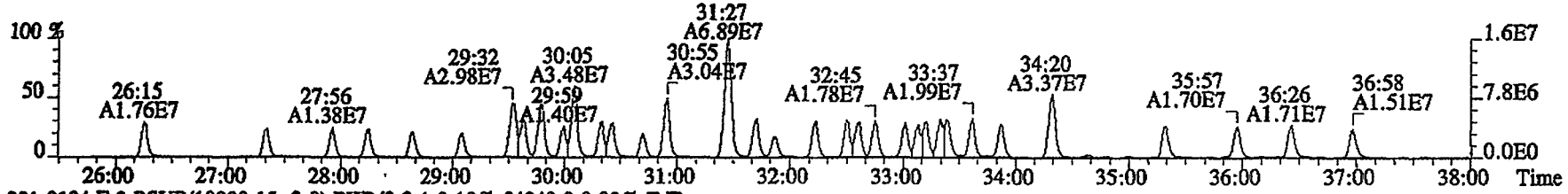
268.0016 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,46792.0,0.00%,F,F)



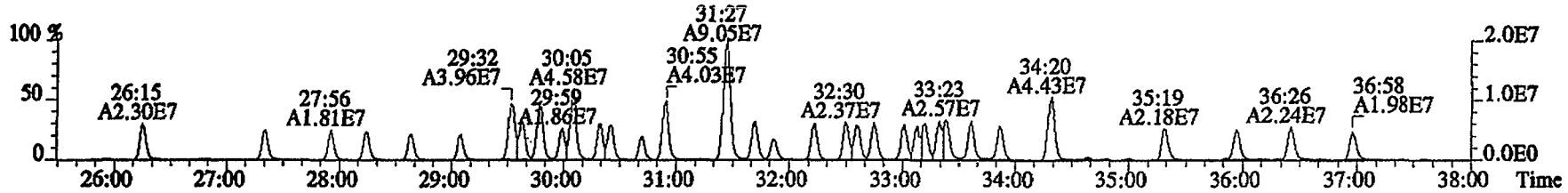
269.9986 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18460.0,0.00%,F,F)



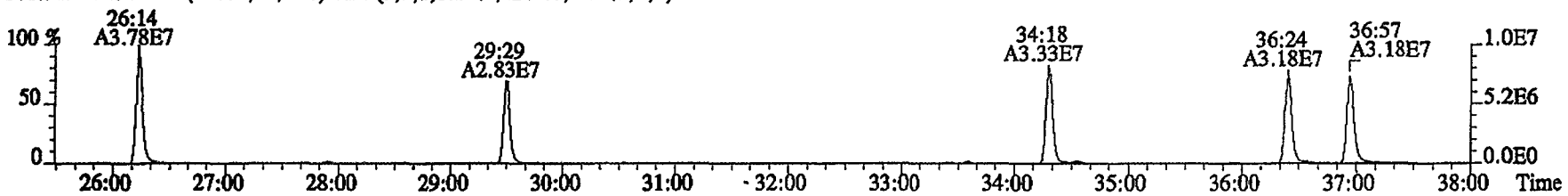
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34504.0,0.00%,F,F)



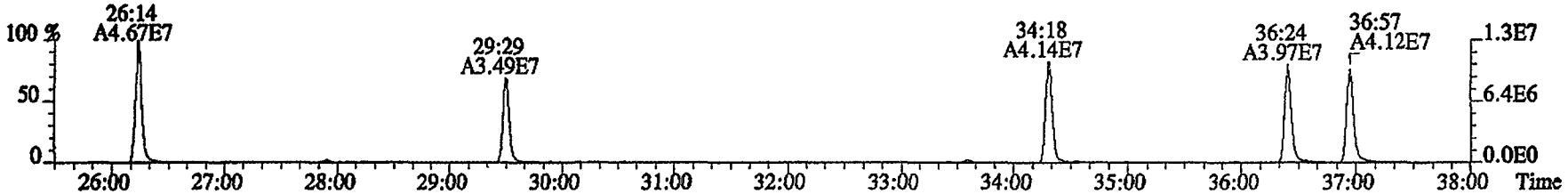
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,54840.0,0.00%,F,F)



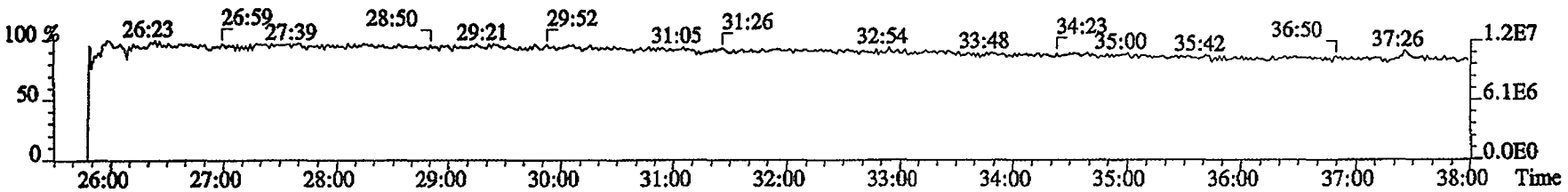
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



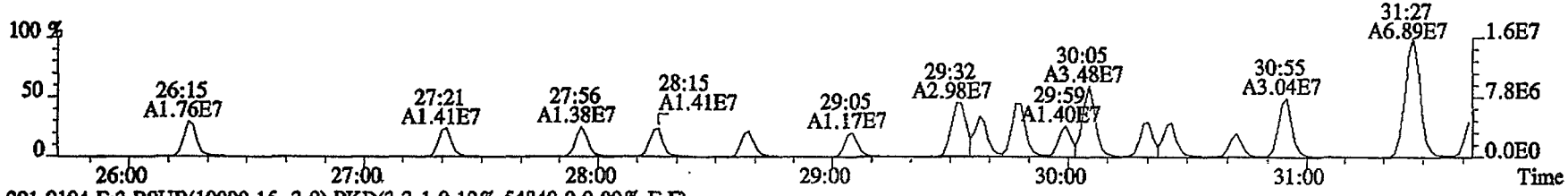
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



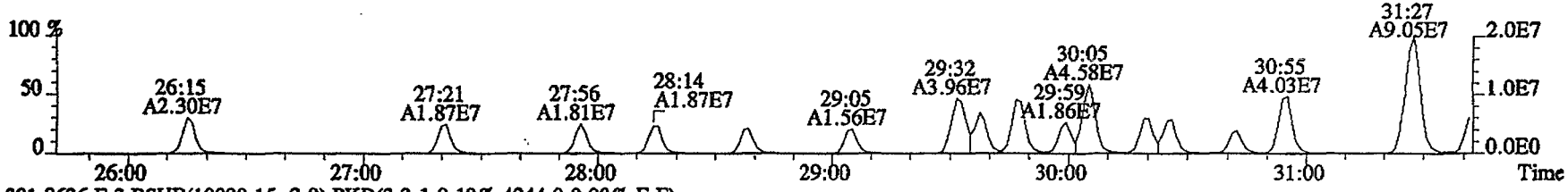
330.9792 F:3



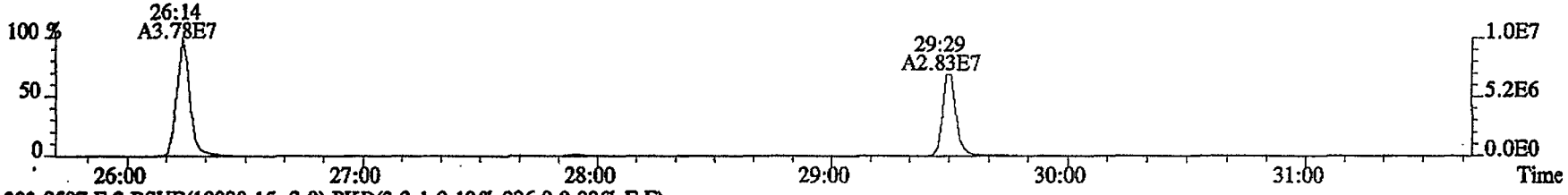
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34504.0,0.00%,F,F)



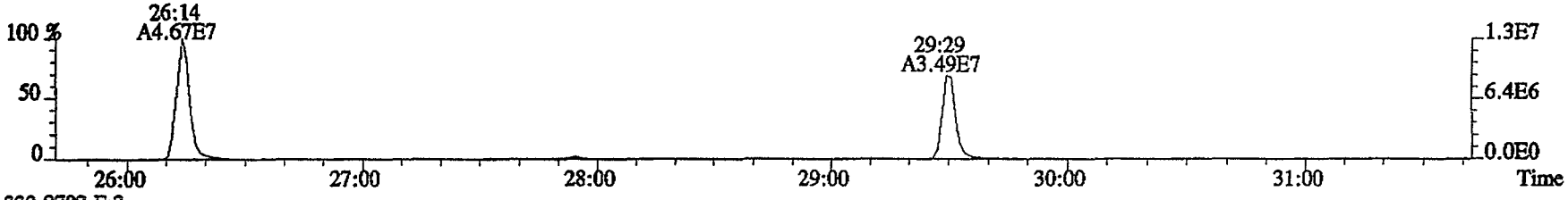
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,54840.0,0.00%,F,F)



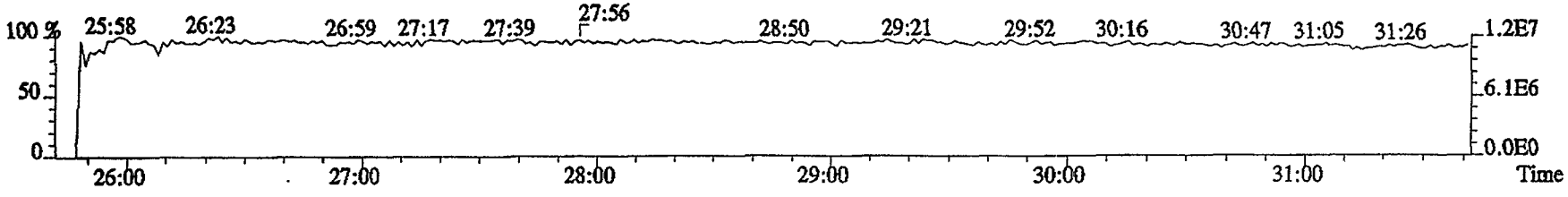
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



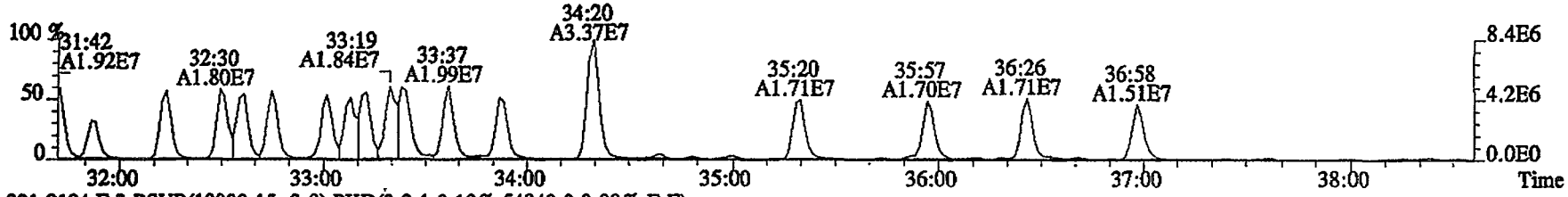
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



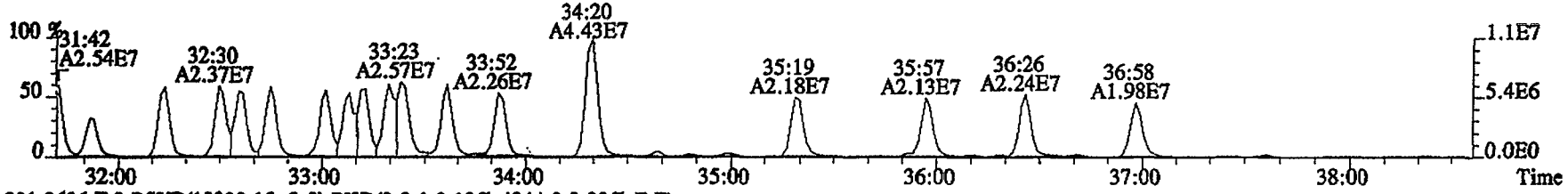
330.9792 F:3



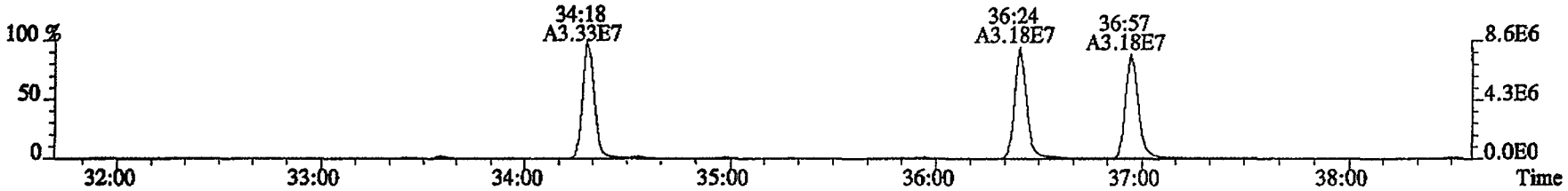
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34504.0,0.00%,F,F)



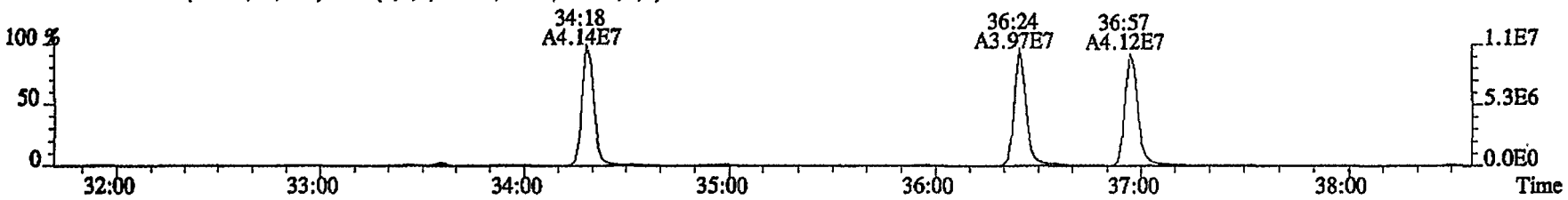
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,54840.0,0.00%,F,F)



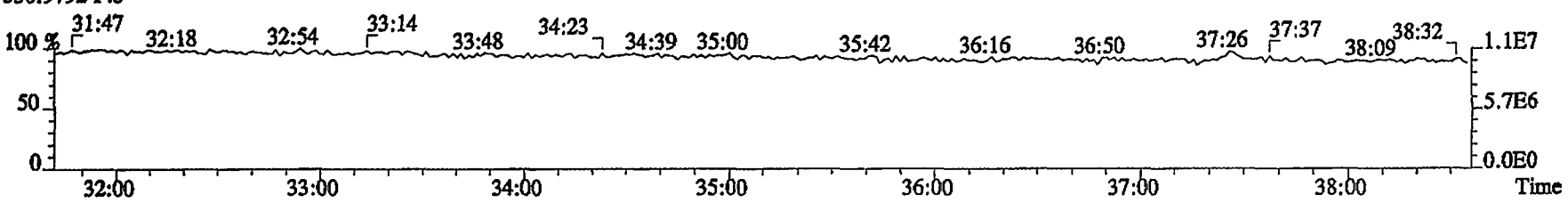
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



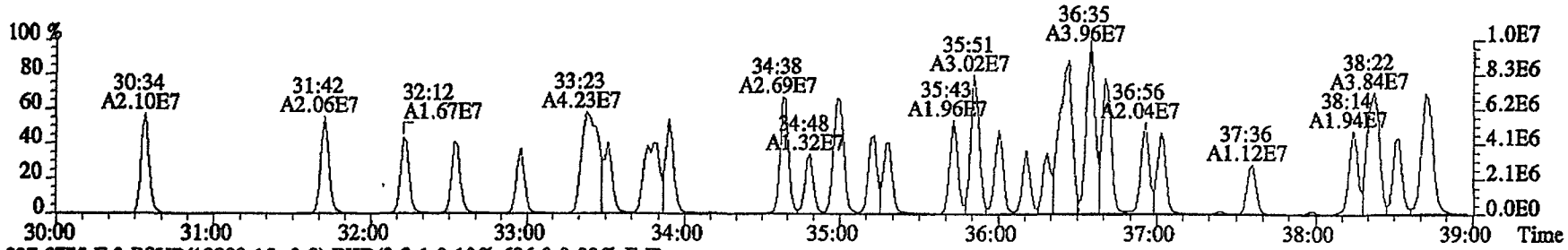
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



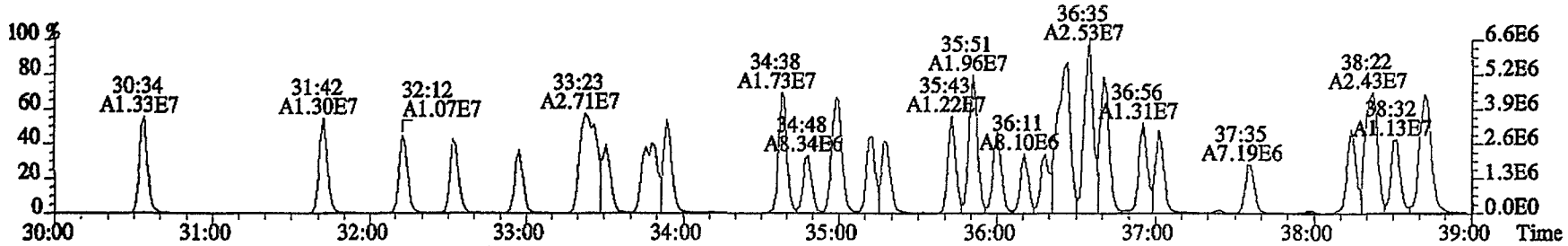
330.9792 F:3



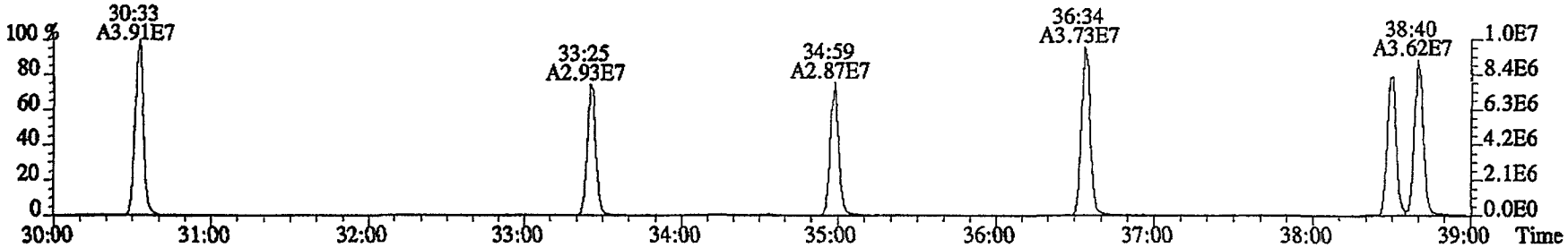
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



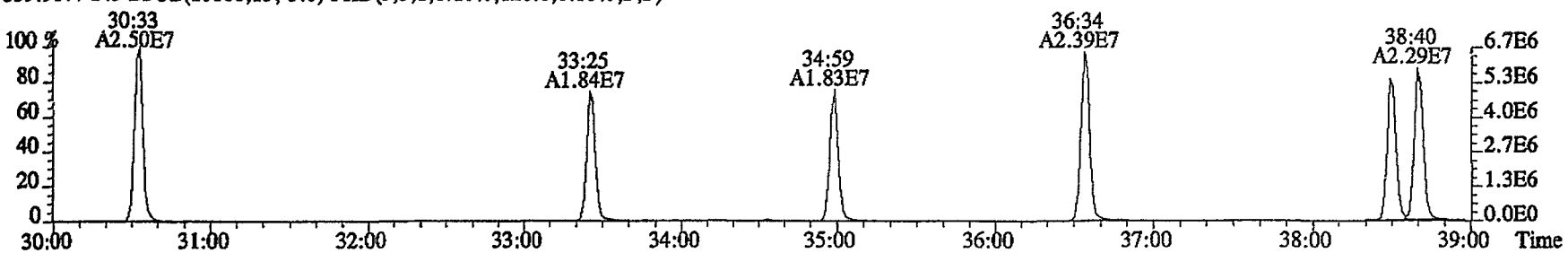
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,696.0,0.00%,F,F)



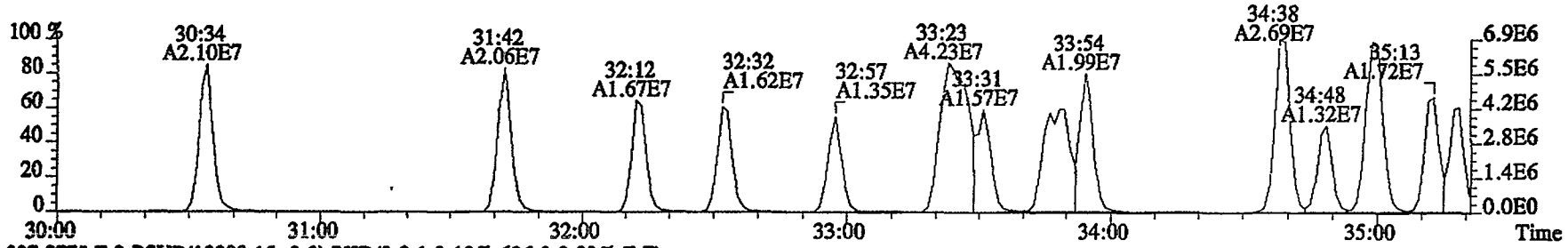
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



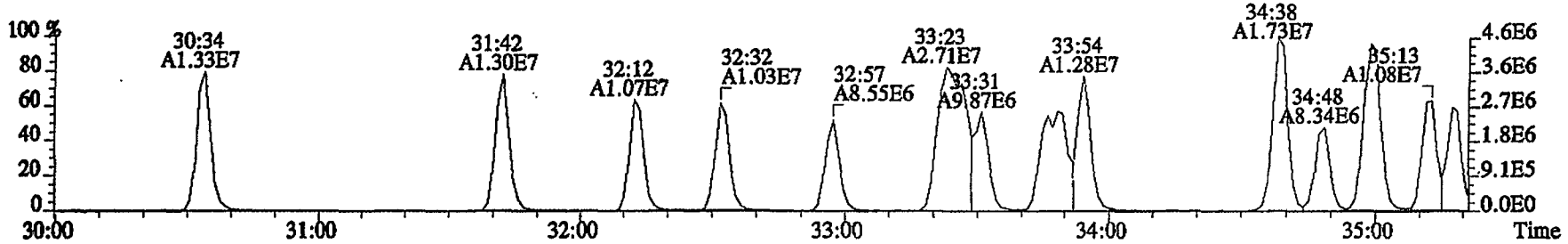
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



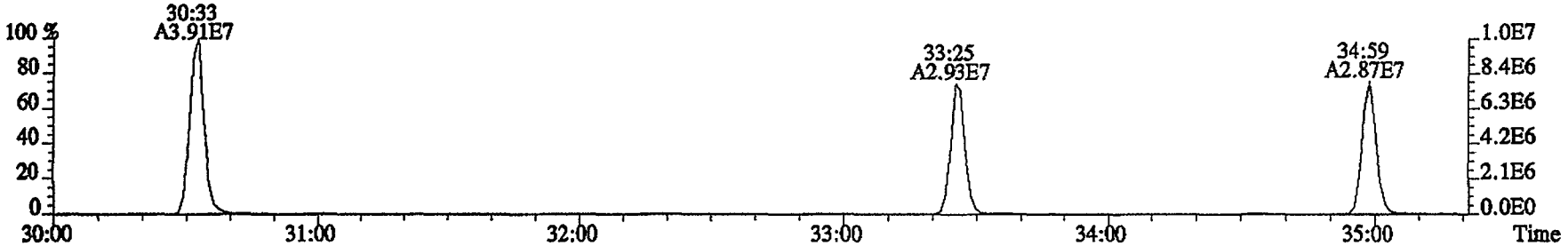
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



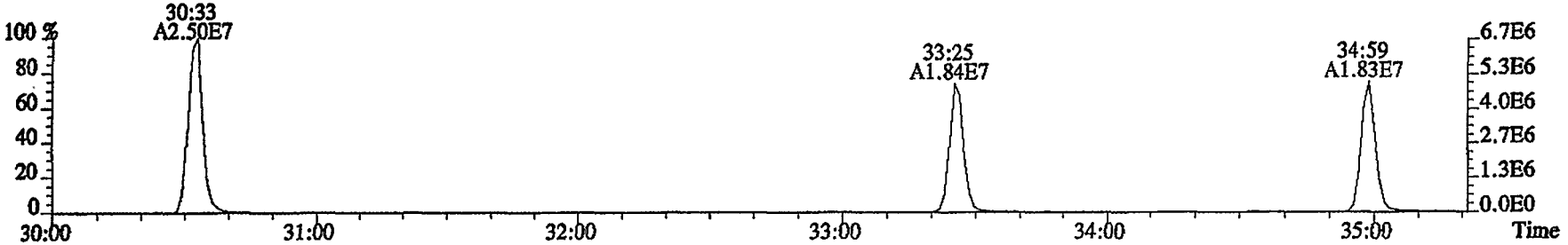
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,696.0,0.00%,F,F)



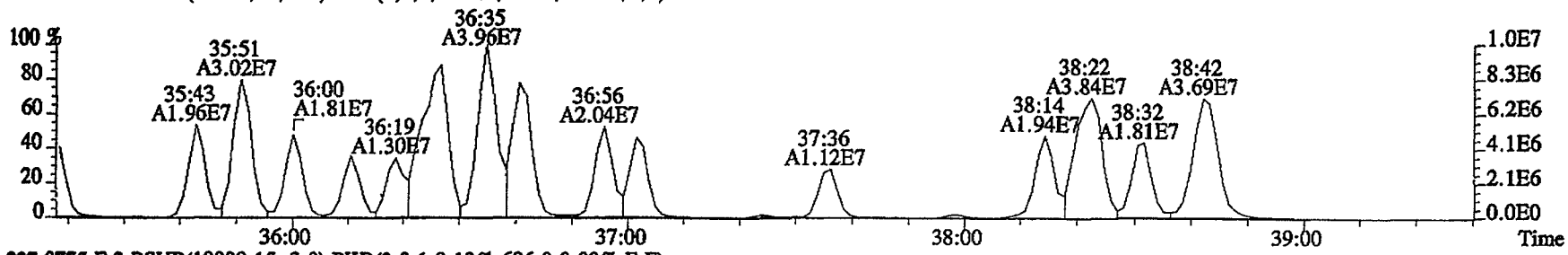
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



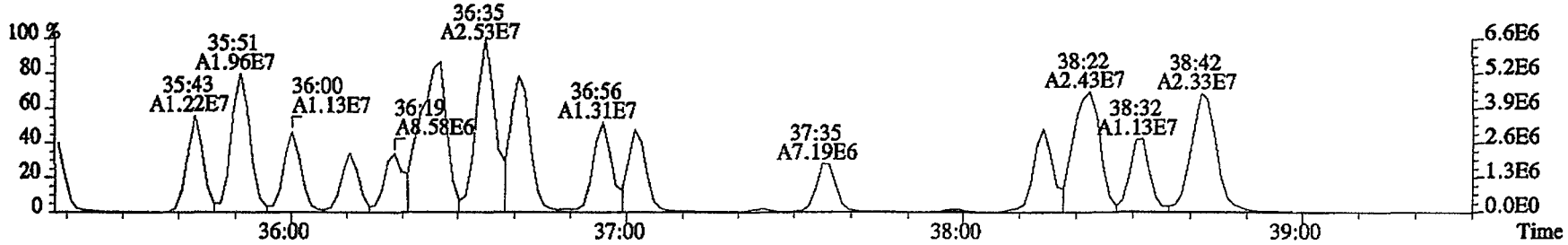
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



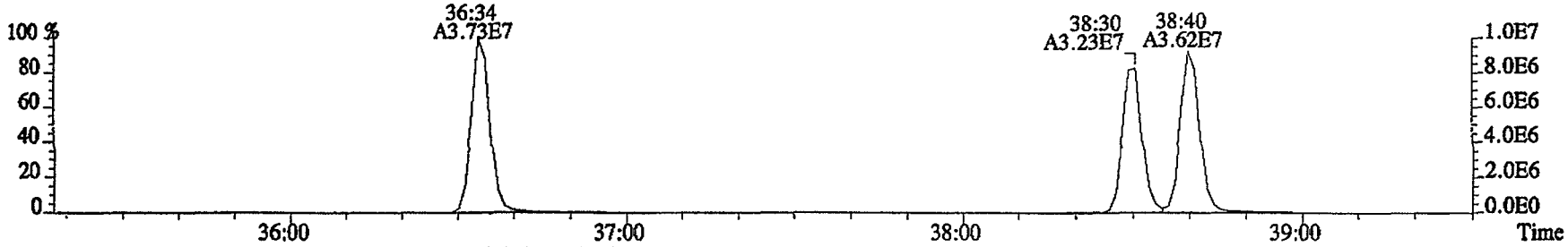
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



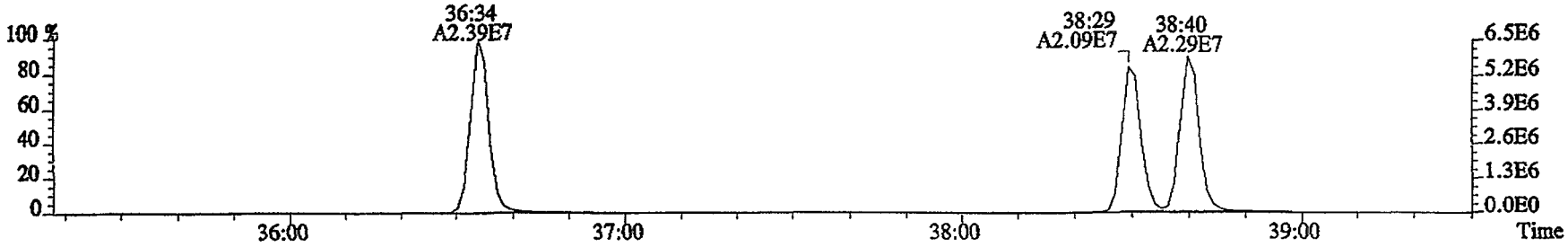
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,696.0,0.00%,F,F)



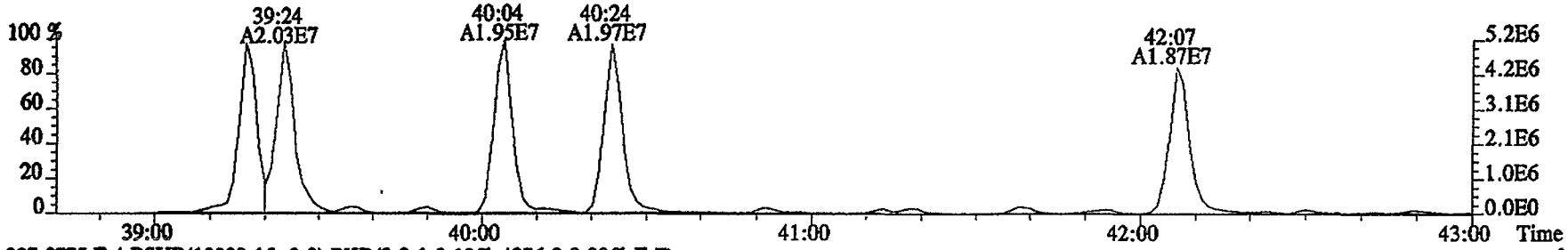
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



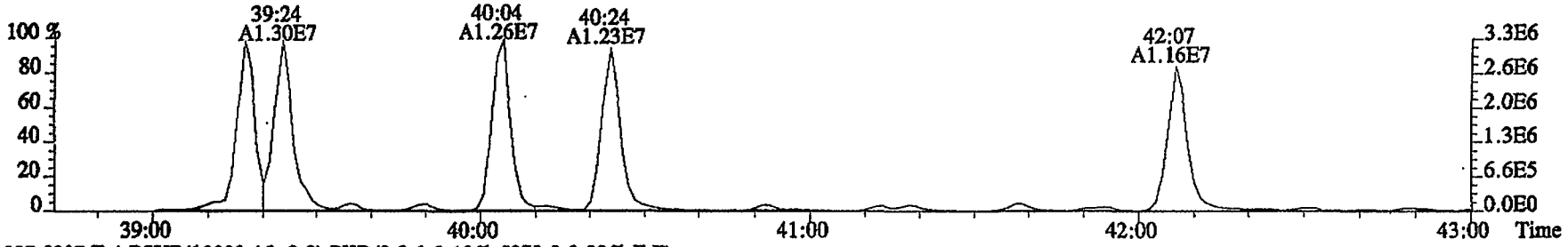
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



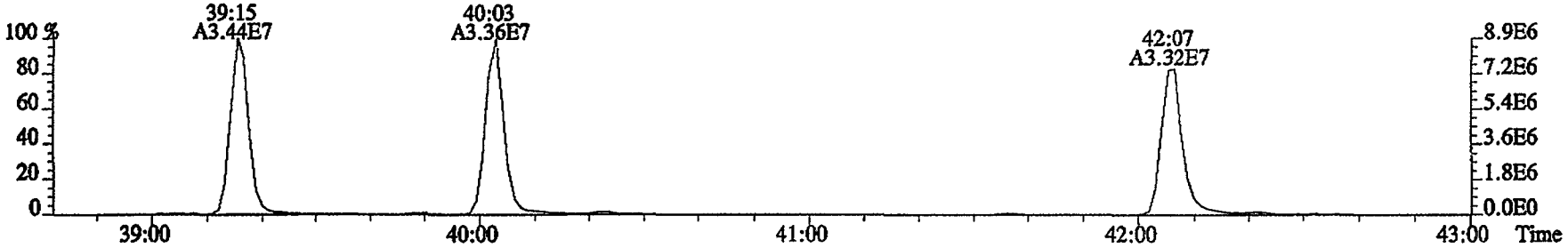
File:040519E1 #1-510 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5960.0,0.00%,F,F)



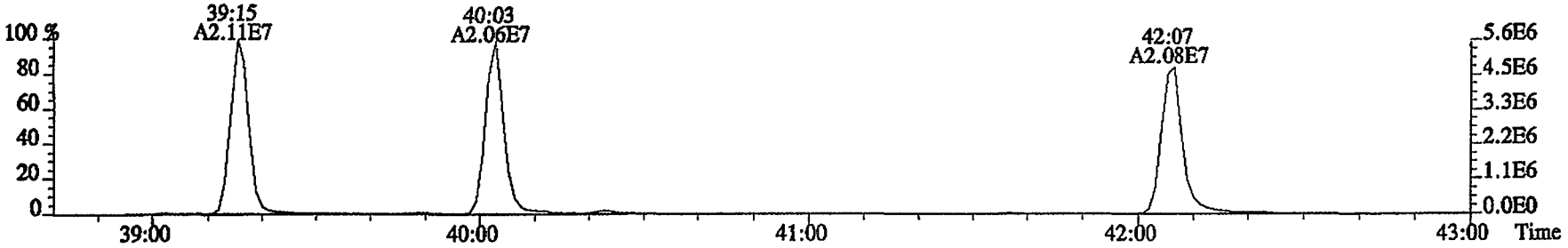
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4376.0,0.00%,F,F)



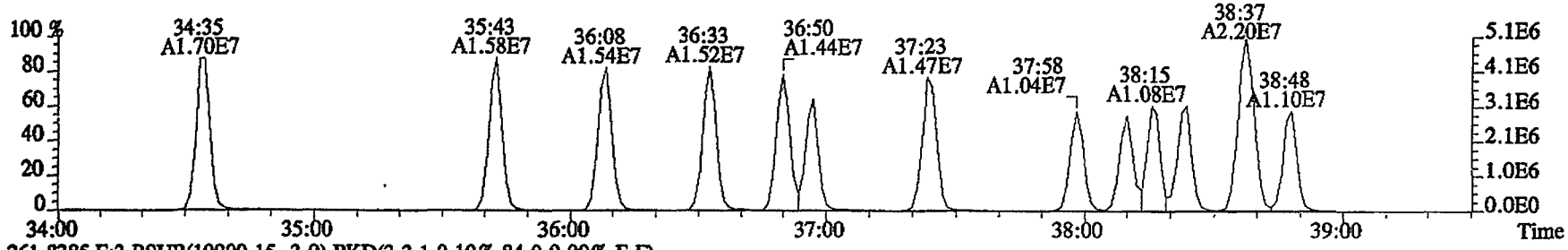
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5272.0,0.00%,F,F)



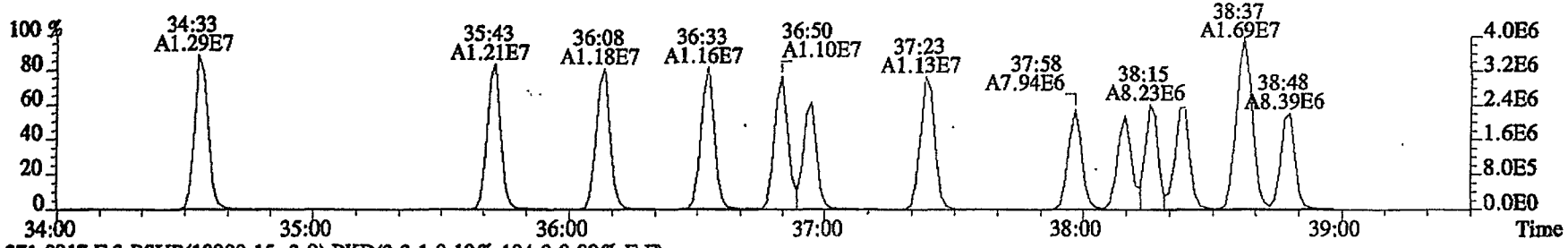
339.9177 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2848.0,0.00%,F,F)



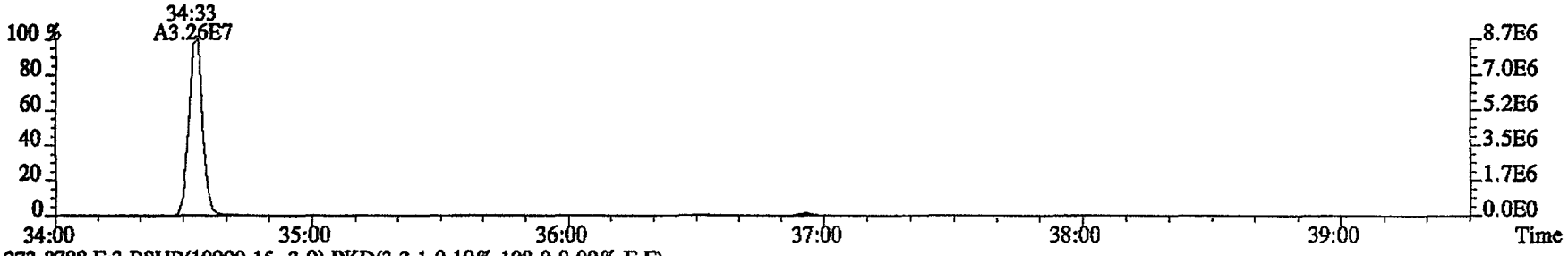
File:040519E1 #1-685 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
359.8415 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



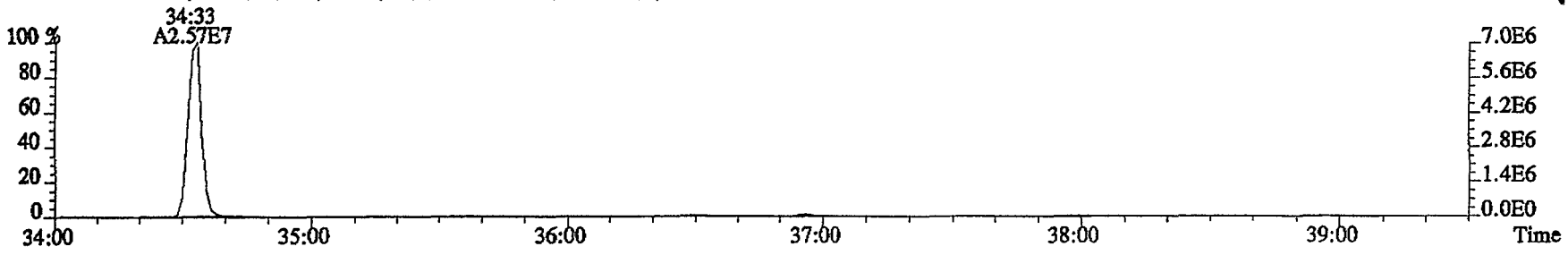
361.8385 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



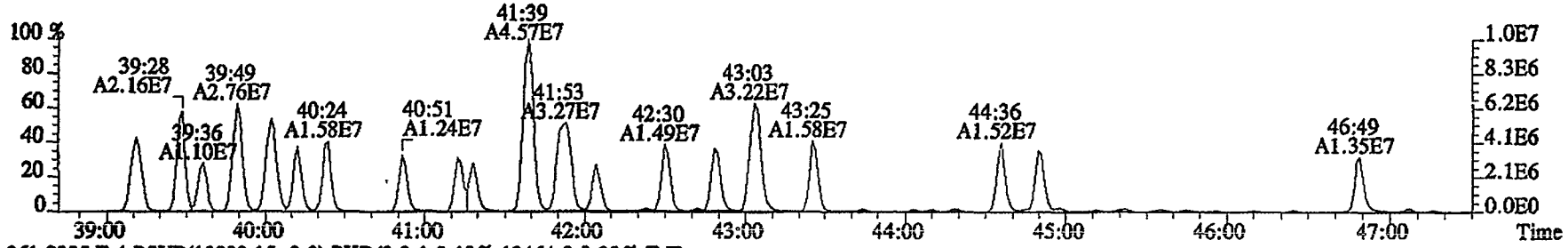
371.8817 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



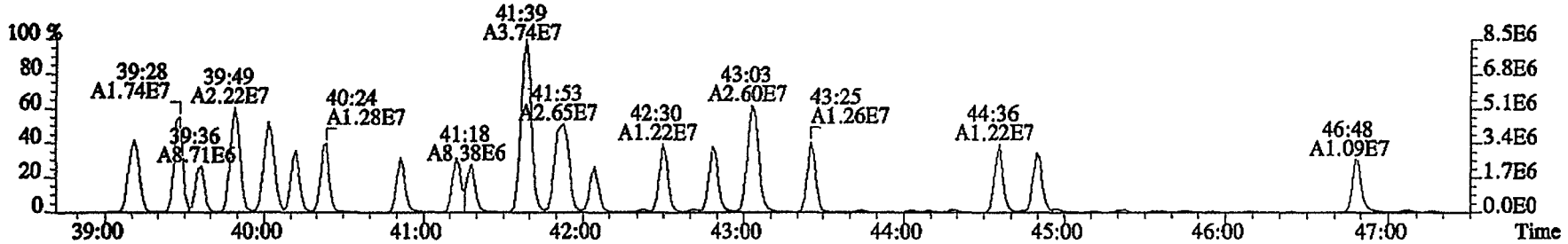
373.8788 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



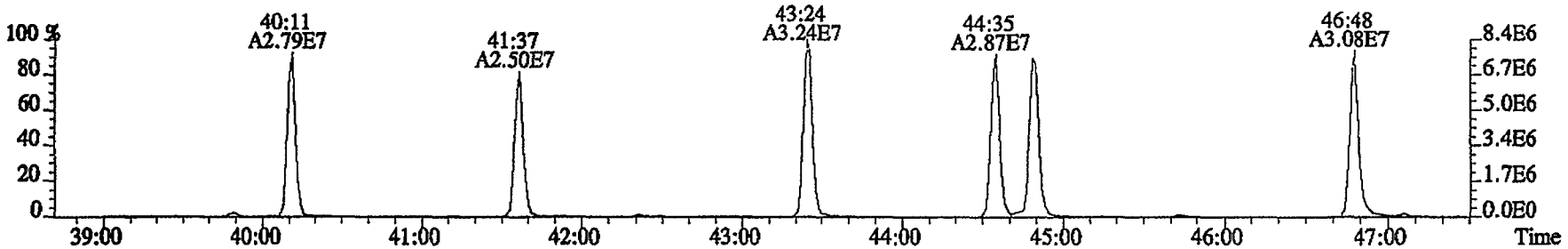
File:040519E1 #1-510 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12540.0,0.00%,F,F)



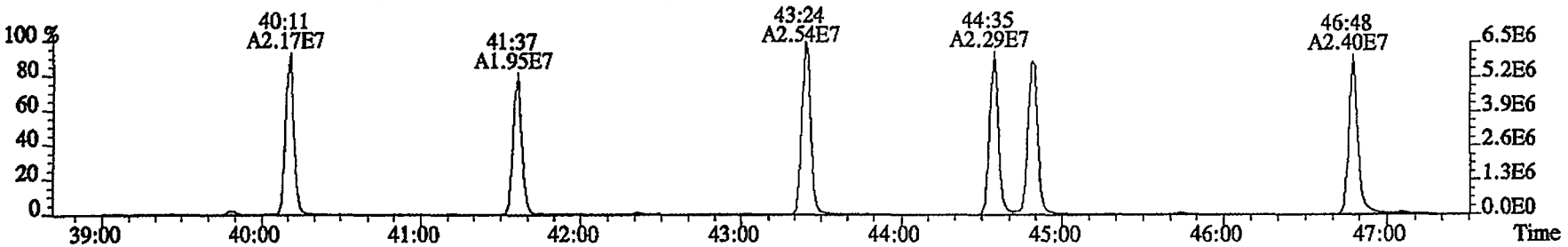
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12464.0,0.00%,F,F)



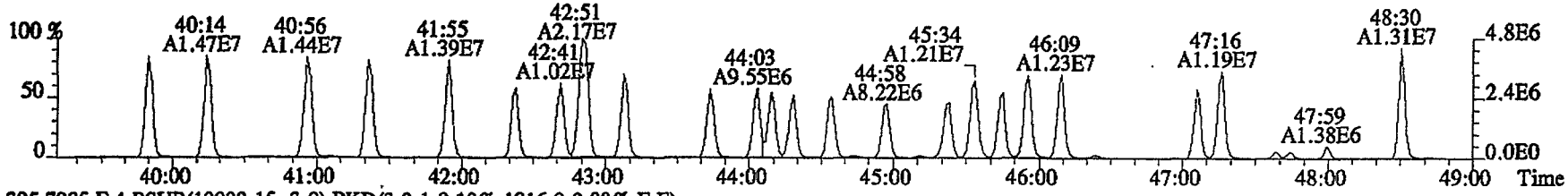
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3780.0,0.00%,F,F)



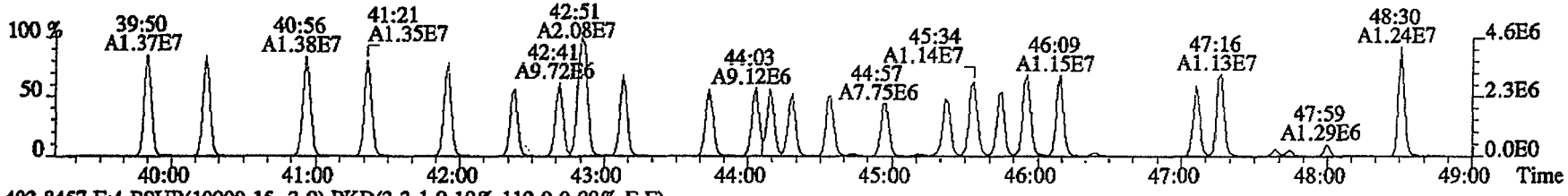
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2968.0,0.00%,F,F)



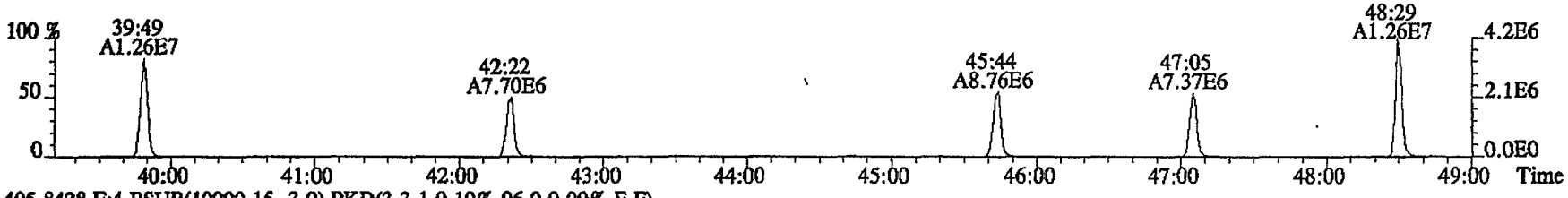
File:040519E1 #1-510 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
393.8025 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8648.0,0.00%,F,F)



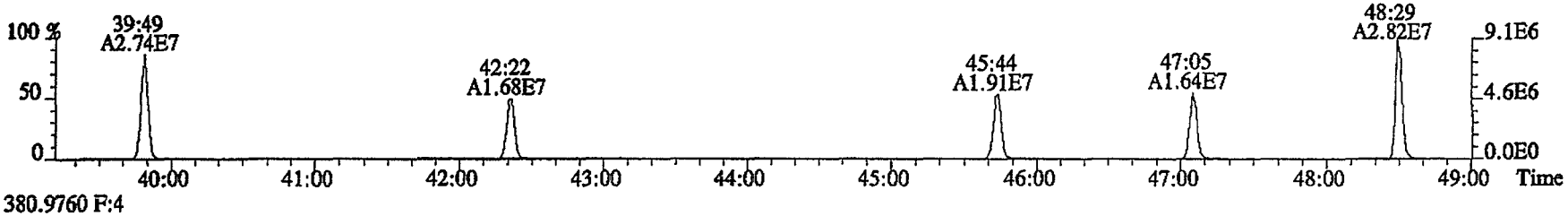
395.7995 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1816.0,0.00%,F,F)



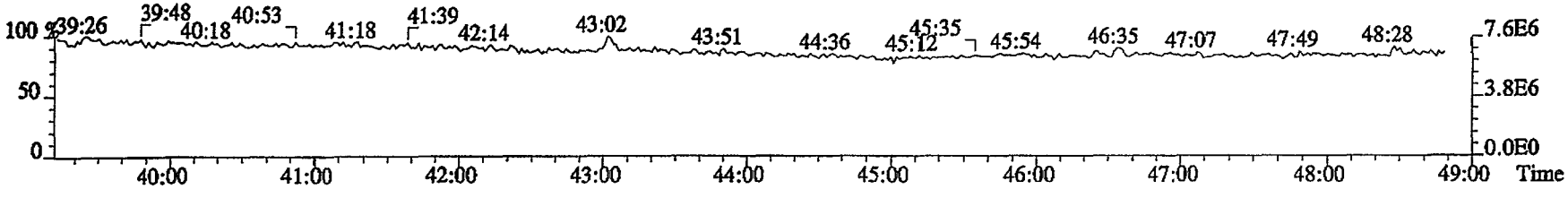
403.8457 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



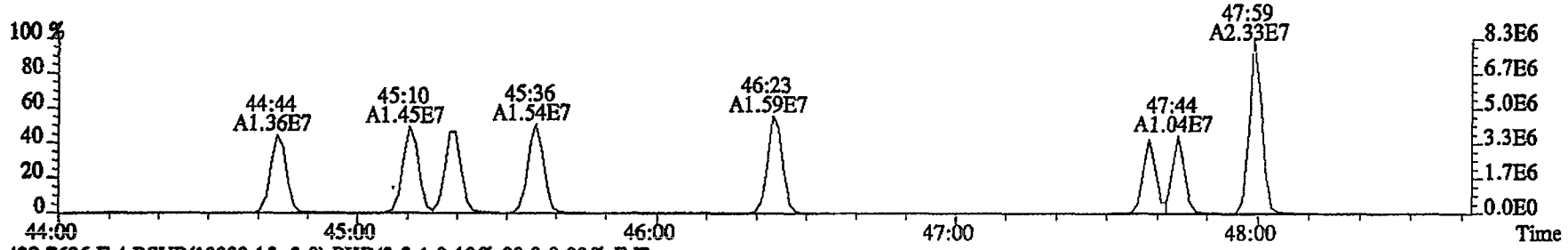
405.8428 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



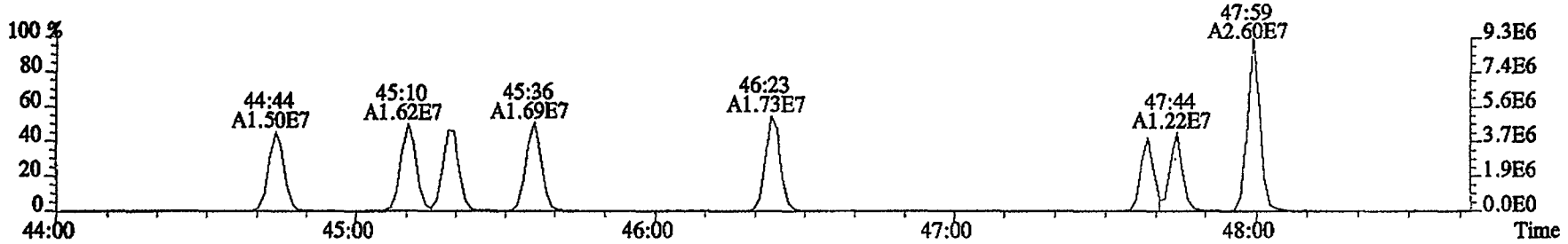
380.9760 F:4



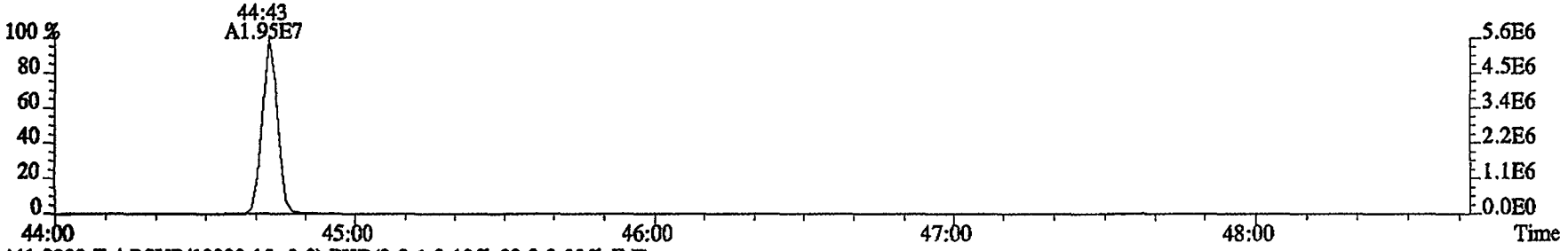
File:040519E1 #1-510 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
427.7635 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



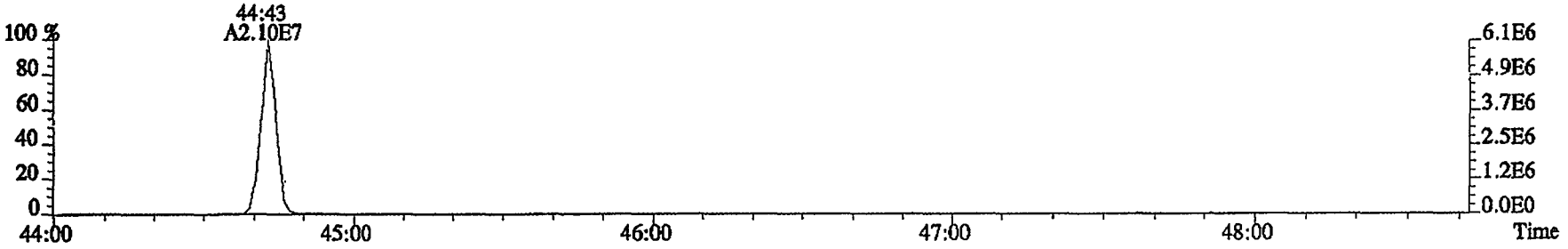
429.7606 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



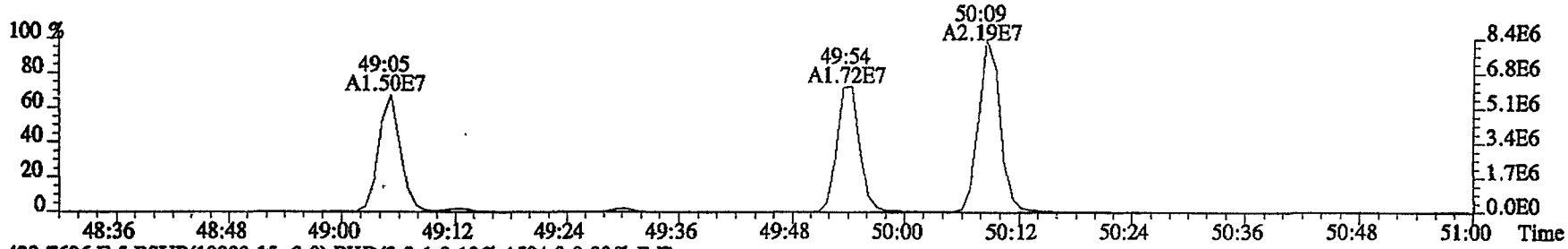
439.8038 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



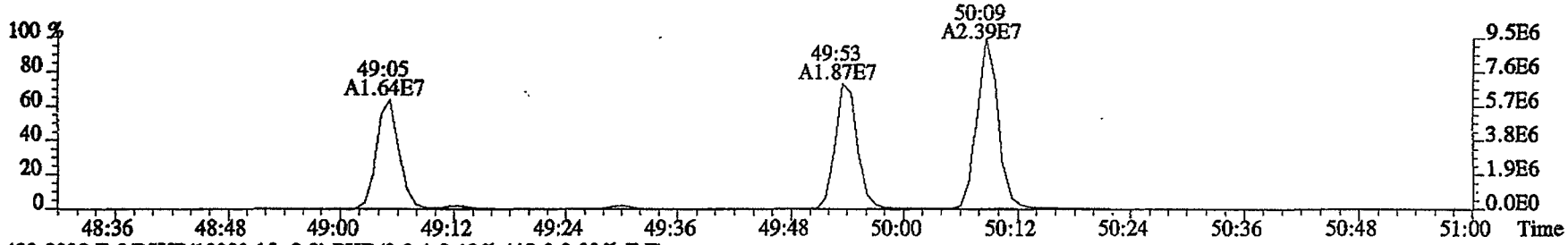
441.8008 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



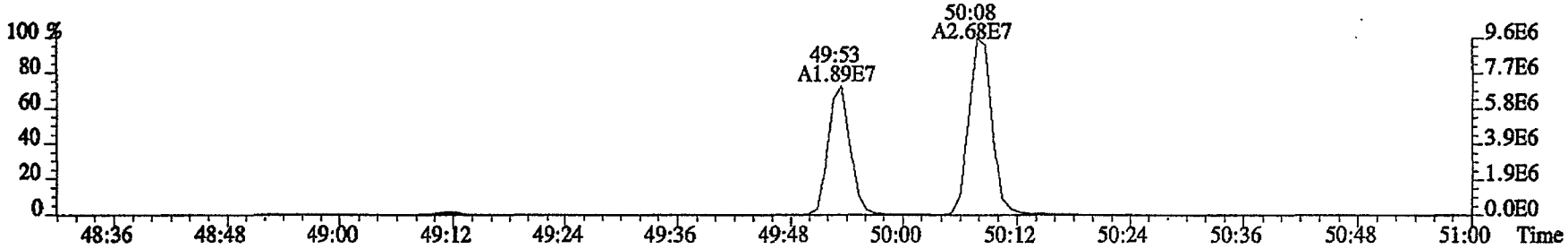
File:040519E1 #1-414 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1576.0,0.00%,F,F)



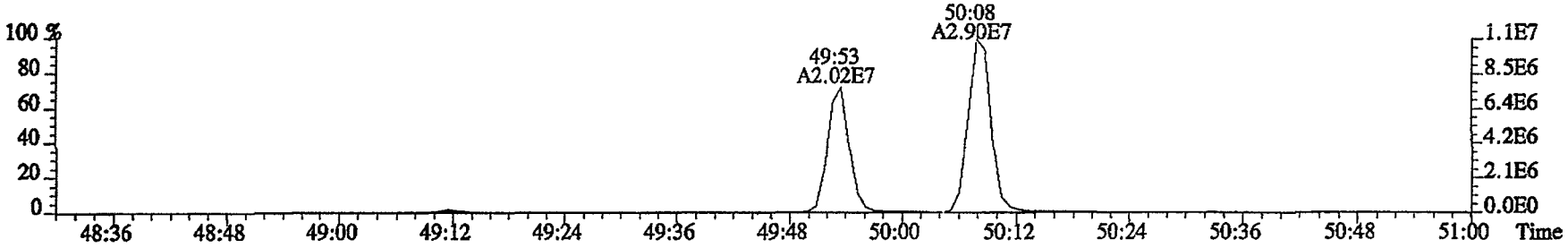
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1504.0,0.00%,F,F)



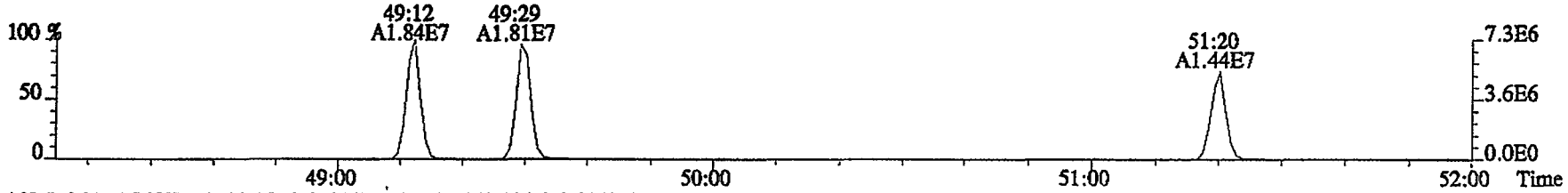
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



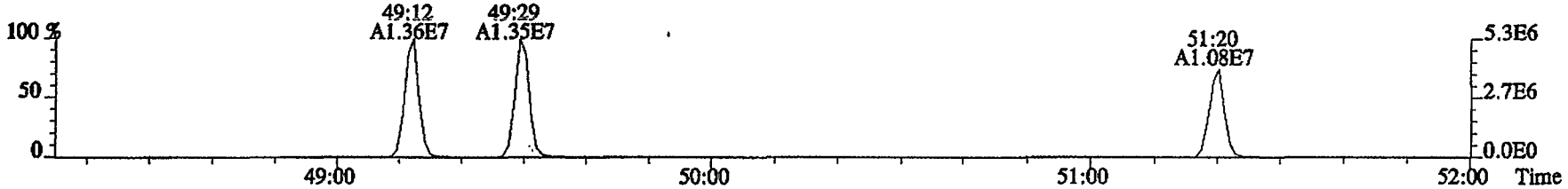
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



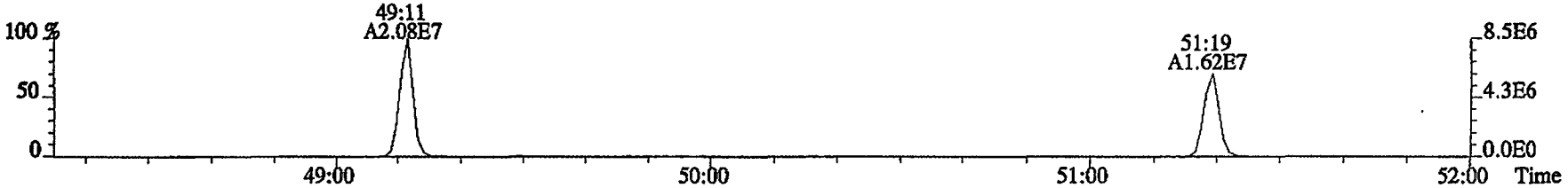
File:040519E1 #1-414 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
463.7216 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



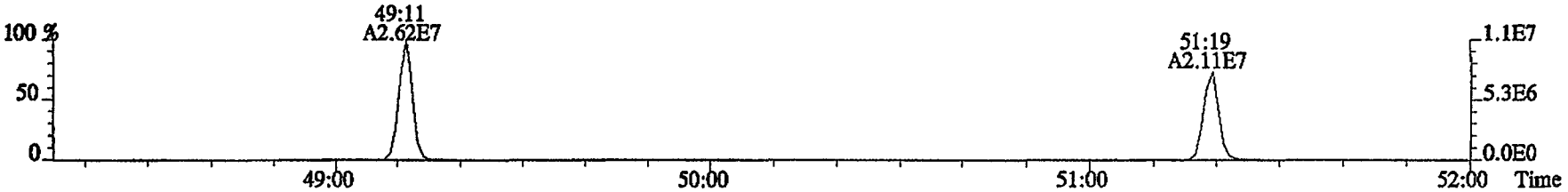
465.7186 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,304.0,0.00%,F,F)



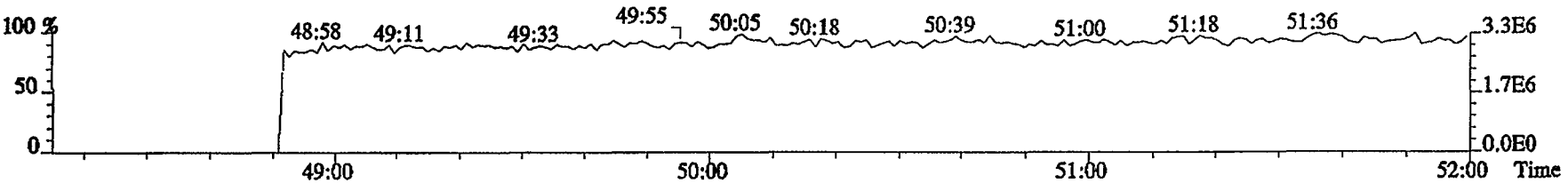
473.7648 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



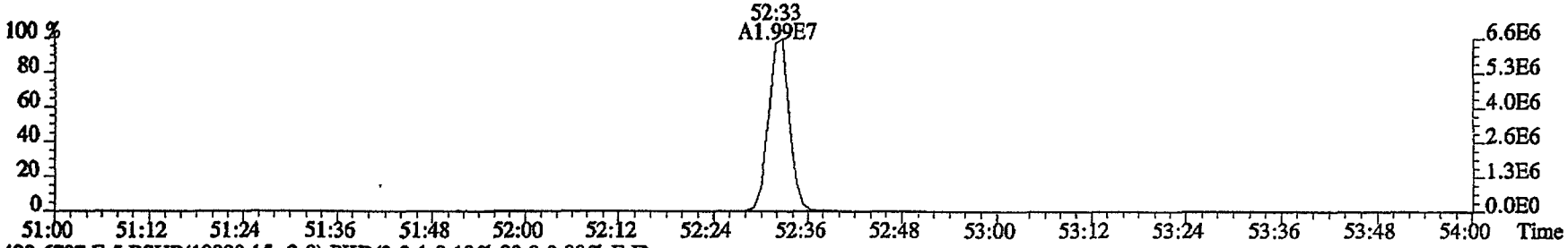
475.7619 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



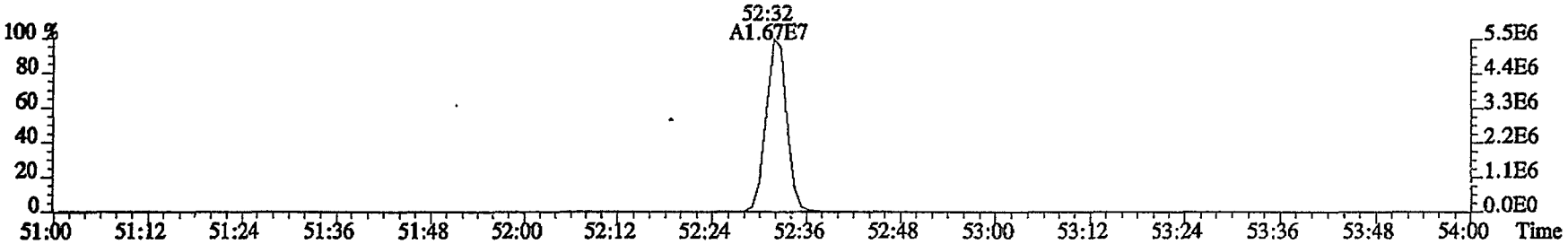
492.9697 F:5



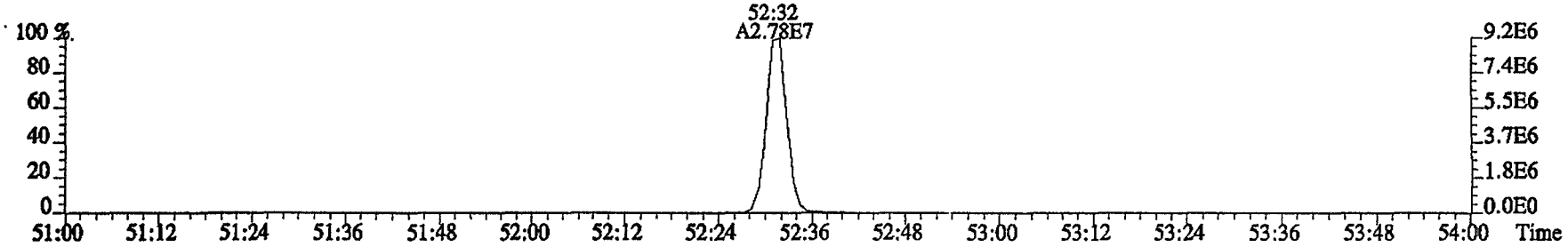
File:040519E1 #1-414 Acq:19-MAY-2004 10:55:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST040519E1-1 PCB CS3 040409C Exp:PCB_DB1
497.6826 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



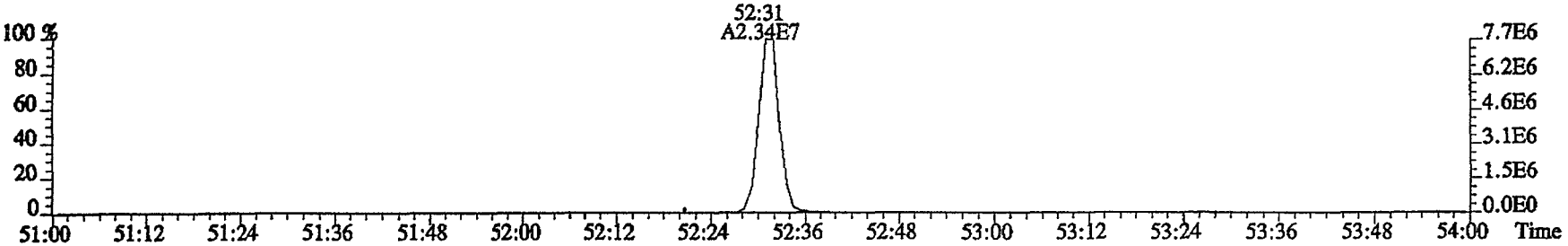
499.6797 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



509.7229 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



511.7199 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#13 Analysis Date: 19-MAY-04 Time: 22:58:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	2.97	2.66-3.60	y	25.2	17.5-32.5
PCB-2	3.03	2.66-3.60	y	29.3	17.5-32.5
PCB-3	3.09	2.66-3.60	y	26.1	17.5-32.5
PCB-4/10	1.64	1.33-1.79	y	45.9	35.0-65.0
PCB-7/9	1.67	1.33-1.79	y	43.8	35.0-65.0
PCB-6	1.70	1.33-1.79	y	22.1	17.5-32.5
PCB-5/8	1.67	1.33-1.79	y	45.1	35.0-65.0
PCB-14	1.67	1.33-1.79	y	22.1	17.5-32.5
PCB-11	1.66	1.33-1.79	y	21.3	17.5-32.5
PCB-12/13	1.65	1.33-1.79	y	43.9	35.0-65.0
PCB-15	1.67	1.33-1.79	y	20.7	17.5-32.5
PCB-19	1.03	0.88-1.20	y	23.0	17.5-32.5
PCB-30	1.05	0.88-1.20	y	25.3	17.5-32.5
PCB-18	1.04	0.88-1.20	y	23.7	17.5-32.5
PCB-17	1.03	0.88-1.20	y	23.8	17.5-32.5
PCB-24/27	1.03	0.88-1.20	y	49.0	35.0-65.0
PCB-16/32	1.05	0.88-1.20	y	47.1	35.0-65.0
PCB-34	1.07	0.88-1.20	y	26.3	17.5-32.5
PCB-23	1.07	0.88-1.20	y	23.3	17.5-32.5
PCB-29	1.07	0.88-1.20	y	23.5	17.5-32.5
PCB-26	1.07	0.88-1.20	y	24.0	17.5-32.5
PCB-25	1.07	0.88-1.20	y	22.9	17.5-32.5
PCB-31	1.06	0.88-1.20	y	24.2	17.5-32.5
PCB-28	1.09	0.88-1.20	y	23.1	17.5-32.5
PCB-20/21/33	1.08	0.88-1.20	y	74.2	52.5-97.5
PCB-22	1.07	0.88-1.20	y	23.7	17.5-32.5
PCB-36	1.07	0.88-1.20	y	24.2	17.5-32.5
PCB-39	1.08	0.88-1.20	y	23.3	17.5-32.5
PCB-38	1.07	0.88-1.20	y	25.0	17.5-32.5
PCB-35	1.09	0.88-1.20	y	23.1	17.5-32.5
PCB-37	1.09	0.88-1.20	y	22.2	17.5-32.5
PCB-54	0.76	0.65-0.89	y	48.0	35.0-65.0
PCB-50	0.77	0.65-0.89	y	51.0	35.0-65.0
PCB-53	0.76	0.65-0.89	y	54.6	35.0-65.0
PCB-51	0.76	0.65-0.89	y	54.0	35.0-65.0
PCB-45	0.76	0.65-0.89	y	53.0	35.0-65.0
PCB-46	0.76	0.65-0.89	y	52.4	35.0-65.0

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-52/69	0.76	0.65-0.89	y	104.0	70.0-130
PCB-73	0.77	0.65-0.89	y	55.7	35.0-65.0
PCB-43/49	0.76	0.65-0.89	y	109.0	70.0-130
PCB-47	0.76	0.65-0.89	y	54.5	35.0-65.0
PCB-48/75	0.76	0.65-0.89	y	106.1	70.0-130
PCB-65	0.76	0.65-0.89	y	55.0	35.0-65.0
PCB-62	0.77	0.65-0.89	y	56.9	35.0-65.0
PCB-44	0.76	0.65-0.89	y	49.2	35.0-65.0
PCB-42/59	0.76	0.65-0.89	y	105.0	70.0-130
PCB-41/64/71/72	0.77	0.65-0.89	y	212.1	140-260
PCB-68	0.76	0.65-0.89	y	53.2	35.0-65.0
PCB-40	0.77	0.65-0.89	y	53.0	35.0-65.0
PCB-57	0.76	0.65-0.89	y	50.7	35.0-65.0
PCB-67	0.76	0.65-0.89	y	51.8	35.0-65.0
PCB-58	0.77	0.65-0.89	y	47.9	35.0-65.0
PCB-63	0.76	0.65-0.89	y	50.9	35.0-65.0
PCB-74	0.76	0.65-0.89	y	48.1	35.0-65.0
PCB-61	0.76	0.65-0.89	y	48.0	35.0-65.0
PCB-70	0.77	0.65-0.89	y	53.4	35.0-65.0
PCB-76	0.74	0.65-0.89	y	47.1	35.0-65.0
PCB-66	0.77	0.65-0.89	y	53.8	35.0-65.0
PCB-80	0.77	0.65-0.89	y	49.1	35.0-65.0
PCB-55	0.76	0.65-0.89	y	50.2	35.0-65.0
PCB-56/60	0.77	0.65-0.89	y	95.7	70.0-130
PCB-79	0.76	0.65-0.89	y	48.1	35.0-65.0
PCB-78	0.78	0.65-0.89	y	48.4	35.0-65.0
PCB-81	0.80	0.65-0.89	y	48.2	35.0-65.0
PCB-77	0.76	0.65-0.89	y	46.2	35.0-65.0
PCB-104	1.58	1.32-1.78	y	47.0	35.0-65.0
PCB-96	1.59	1.32-1.78	y	47.0	35.0-65.0
PCB-103	1.55	1.32-1.78	y	47.1	35.0-65.0
PCB-100	1.58	1.32-1.78	y	46.0	35.0-65.0
PCB-94	1.60	1.32-1.78	y	46.6	35.0-65.0
PCB-95/98/102	1.57	1.32-1.78	y	135.5	105-195
PCB-93	1.62	1.32-1.78	y	50.4	35.0-65.0
PCB-88/91	1.74	1.32-1.78	y	94.9	70.0-130
PCB-121	1.38	1.32-1.78	y	46.9	35.0-65.0

Analyst: [illegible]

Date: 5-20-04

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#13 Analysis Date: 19-MAY-04 Time: 22:58:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)	ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-84/92	1.57	1.32-1.78	y	94.1	70.0-130	PCB-140	1.32	1.05-1.43	y	42.8	35.0-65.0
PCB-89	1.60	1.32-1.78	y	48.4	35.0-65.0	PCB-134/143	1.25	1.05-1.43	y	98.2	70.0-130
PCB-90/101	1.58	1.32-1.78	y	95.7	70.0-130	PCB-133/142	1.24	1.05-1.43	y	97.3	70.0-130
PCB-113	1.59	1.32-1.78	y	51.9	35.0-65.0	PCB-131	1.25	1.05-1.43	y	50.7	35.0-65.0
PCB-99	1.59	1.32-1.78	y	44.1	35.0-65.0	PCB-146/165	1.25	1.05-1.43	y	100.2	70.0-130
PCB-119	1.58	1.32-1.78	y	47.5	35.0-65.0	PCB-132/161	1.23	1.05-1.43	y	96.5	70.0-130
PCB-108/112	1.60	1.32-1.78	y	95.2	70.0-130	PCB-153	1.25	1.05-1.43	y	50.3	35.0-65.0
PCB-83	1.60	1.32-1.78	y	48.8	35.0-65.0	PCB-168	1.24	1.05-1.43	y	48.2	35.0-65.0
PCB-97	1.59	1.32-1.78	y	44.4	35.0-65.0	PCB-141	1.25	1.05-1.43	y	49.0	35.0-65.0
PCB-86	1.57	1.32-1.78	y	43.6	35.0-65.0	PCB-137	1.22	1.05-1.43	y	48.6	35.0-65.0
PCB-87/117/125	1.58	1.32-1.78	y	140.4	105-195	PCB-130	1.24	1.05-1.43	y	54.1	35.0-65.0
PCB-111/115	1.57	1.32-1.78	y	91.0	70.0-130	PCB-138/163/164	1.24	1.05-1.43	y	149.1	105-195
PCB-85/116	1.59	1.32-1.78	y	101.6	70.0-130	PCB-158/160	1.23	1.05-1.43	y	99.9	70.0-130
PCB-120	1.59	1.32-1.78	y	45.9	35.0-65.0	PCB-129	1.22	1.05-1.43	y	48.6	35.0-65.0
PCB-110	1.60	1.32-1.78	y	46.7	35.0-65.0	PCB-166	1.23	1.05-1.43	y	48.8	35.0-65.0
PCB-82	1.59	1.32-1.78	y	48.4	35.0-65.0	PCB-159	1.23	1.05-1.43	y	48.5	35.0-65.0
PCB-124	1.56	1.32-1.78	y	47.9	35.0-65.0	PCB-128/162	1.23	1.05-1.43	y	123.2	70.0-130
PCB-107/109	1.58	1.32-1.78	y	101.9	70.0-130	PCB-167	1.23	1.05-1.43	y	49.4	35.0-65.0
PCB-123	1.59	1.32-1.78	y	46.0	35.0-65.0	PCB-156	1.22	1.05-1.43	y	49.5	35.0-65.0
PCB-106/118	1.56	1.32-1.78	y	97.7	70.0-130	PCB-157	1.24	1.05-1.43	y	49.0	35.0-65.0
PCB-114	1.55	1.32-1.78	y	42.9	35.0-65.0	PCB-169	1.24	1.05-1.43	y	45.9	35.0-65.0
PCB-122	1.57	1.32-1.78	y	40.3	35.0-65.0	PCB-188	1.06	0.89-1.21	y	48.2	35.0-65.0
PCB-105	1.55	1.32-1.78	y	41.1	35.0-65.0	PCB-184	1.07	0.89-1.21	y	48.6	35.0-65.0
PCB-127	1.57	1.32-1.78	y	42.6	35.0-65.0	PCB-179	1.05	0.89-1.21	y	50.5	35.0-65.0
PCB-126	1.58	1.32-1.78	y	40.5	35.0-65.0	PCB-176	1.05	0.89-1.21	y	50.8	35.0-65.0
PCB-155	1.31	1.05-1.43	y	45.5	35.0-65.0	PCB-186	1.06	0.89-1.21	y	49.3	35.0-65.0
PCB-150	1.31	1.05-1.43	y	44.7	35.0-65.0	PCB-178	1.05	0.89-1.21	y	48.7	35.0-65.0
PCB-152	1.29	1.05-1.43	y	45.0	35.0-65.0	PCB-175	1.06	0.89-1.21	y	50.2	35.0-65.0
PCB-145	1.32	1.05-1.43	y	46.1	35.0-65.0	PCB-182/187	1.04	0.89-1.21	y	93.8	70.0-130
PCB-136	1.31	1.05-1.43	y	44.9	35.0-65.0	PCB-183	1.04	0.89-1.21	y	53.0	35.0-65.0
PCB-148	1.32	1.05-1.43	y	44.5	35.0-65.0	PCB-185	1.05	0.89-1.21	y	50.5	35.0-65.0
PCB-154	1.31	1.05-1.43	y	51.9	35.0-65.0	PCB-174	1.04	0.89-1.21	y	48.6	35.0-65.0
PCB-151	1.32	1.05-1.43	y	44.7	35.0-65.0	PCB-181	1.06	0.89-1.21	y	50.8	35.0-65.0
PCB-135	1.29	1.05-1.43	y	42.7	35.0-65.0	PCB-177	1.05	0.89-1.21	y	48.7	35.0-65.0
PCB-144	1.32	1.05-1.43	y	46.0	35.0-65.0	PCB-171	1.04	0.89-1.21	y	48.6	35.0-65.0
PCB-147	1.34	1.05-1.43	y	45.5	35.0-65.0	PCB-173	1.06	0.89-1.21	y	47.9	35.0-65.0
PCB-139/149	1.32	1.05-1.43	y	87.6	70.0-130	PCB-172	1.06	0.89-1.21	y	49.4	35.0-65.0

Analyst: [illegible]

Date: 5-20-04

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#13 Analysis Date: 19-MAY-04 Time: 22:58:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.07	0.89-1.21	y	49.3	35.0-65.0
PCB-180	1.05	0.89-1.21	y	46.7	35.0-65.0
PCB-193	1.05	0.89-1.21	y	46.7	35.0-65.0
PCB-191	1.06	0.89-1.21	y	47.5	35.0-65.0
PCB-170	1.04	0.89-1.21	y	48.0	35.0-65.0
PCB-190	1.05	0.89-1.21	y	47.8	35.0-65.0
PCB-189	1.05	0.89-1.21	y	43.1	35.0-65.0
PCB-202	0.90	0.76-1.02	y	70.6	52.5-97.5
PCB-201	0.91	0.76-1.02	y	73.8	52.5-97.5
PCB-204	0.91	0.76-1.02	y	71.1	52.5-97.5
PCB-197	0.91	0.76-1.02	y	70.6	52.5-97.5
PCB-200	0.91	0.76-1.02	y	79.7	52.5-97.5
PCB-198	0.91	0.76-1.02	y	69.0	52.5-97.5
PCB-199	0.91	0.76-1.02	y	69.5	52.5-97.5
PCB-196/203	0.90	0.76-1.02	y	137.6	105-195
PCB-195	0.91	0.76-1.02	y	68.7	52.5-97.5
PCB-194	0.91	0.76-1.02	y	71.6	52.5-97.5
PCB-205	0.92	0.76-1.02	y	72.4	52.5-97.5
PCB-208	1.34	1.14-1.54	y	72.0	52.5-97.5
PCB-207	1.34	1.14-1.54	y	79.7	52.5-97.5
PCB-206	1.36	1.14-1.54	y	76.8	52.5-97.5
PCB-209	1.19	0.99-1.34	y	65.6	52.5-97.5

Analyst: [illegible]

Date: 5-20-04

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST040519E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 040519E1 S#13 Analysis Date: 19-MAY-04 Time: 22:58:20

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.11	2.66-3.60	y	107.9	50.0-150
13C-PCB-3	3.20	2.66-3.60	y	96.3	50.0-150
13C-PCB-4	1.54	1.33-1.81	y	98.6	50.0-150
13C-PCB-9	1.59	1.33-1.81	y	104.1	50.0-150
13C-PCB-19	1.04	0.88-1.20	y	103.1	50.0-150
13C-PCB-32	1.06	0.88-1.20	y	106.7	50.0-150
13C-PCB-28	1.08	0.88-1.20	y	99.0	50.0-150
13C-PCB-37	1.08	0.88-1.20	y	97.8	50.0-150
13C-PCB-54	0.82	0.65-0.89	y	99.1	50.0-150
13C-PCB-81	0.80	0.65-0.89	y	102.2	50.0-150
13C-PCB-77	0.79	0.65-0.89	y	99.1	50.0-150
13C-PCB-104	1.55	1.33-1.81	y	109.4	50.0-150
13C-PCB-95	1.57	1.33-1.81	y	106.3	50.0-150
13C-PCB-101	1.61	1.33-1.81	y	103.6	50.0-150
13C-PCB-123	1.57	1.33-1.81	y	103.4	50.0-150
13C-PCB-118	1.58	1.33-1.81	y	101.4	50.0-150
13C-PCB-114	1.61	1.33-1.81	y	109.7	50.0-150
13C-PCB-105	1.66	1.33-1.81	y	113.2	50.0-150
13C-PCB-126	1.60	1.33-1.81	y	118.2	50.0-150
13C-PCB-155	1.28	1.05-1.43	y	95.2	50.0-150
13C-PCB-153	1.26	1.05-1.43	y	101.3	50.0-150
13C-PCB-167	1.28	1.05-1.43	y	102.3	50.0-150
13C-PCB-156	1.28	1.05-1.43	y	98.3	50.0-150
13C-PCB-157	1.27	1.05-1.43	y	98.5	50.0-150
13C-PCB-169	1.27	1.05-1.43	y	97.8	50.0-150
13C-PCB-188	0.46	0.38-0.52	y	96.4	50.0-150
13C-PCB-180	0.46	0.38-0.52	y	93.5	50.0-150
13C-PCB-170	0.45	0.38-0.52	y	92.8	50.0-150
13C-PCB-189	0.46	0.38-0.52	y	106.8	50.0-150
13C-PCB-202	0.90	0.76-1.02	y	92.1	50.0-150
13C-PCB-194	0.93	0.76-1.02	y	96.1	50.0-150
13C-PCB-208	0.78	0.66-0.99	y	87.2	50.0-150
13C-PCB-206	0.77	0.66-0.99	y	96.7	50.0-150
13C-PCB-209	1.19	0.99-1.35	y	87.7	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.80	0.65-0.89	y	101.5	60 - 130
13C-PCB-178	0.46	0.38-0.52	y	100.2	60 - 130

Analyst: [illegible]

Date: 5-20-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:13 Acq:19-MAY-04 22:58:20 ConCal: ST040519E1-1
Lab ID: ST040519E1-2 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-1	4.38e+07	2.97 y	1.00	15:16	1.001	0.996	1.006	25.2
PCB-2	4.41e+07	3.03 y	0.84	17:31	0.989	0.984	0.994	29.3
PCB-3	4.48e+07	3.09 y	0.96	17:44	1.001	0.996	1.006	26.1
PCB-4/10	7.17e+07	1.64 y	1.81	19:00	1.003	0.998	1.008	45.9
PCB-7/9	9.06e+07	1.67 y	1.48	20:39	1.002	0.997	1.007	43.8
PCB-6	4.56e+07	1.70 y	1.48	21:15	1.031	1.027	1.037	22.1
PCB-5/8	9.04e+07	1.67 y	1.44	21:39	1.050	1.044	1.054	45.1
PCB-14	4.64e+07	1.67 y	1.51	22:39	1.099	1.095	1.107	22.1
PCB-11	4.31e+07	1.66 y	1.45	23:46	1.153	1.148	1.159	21.3
PCB-12/13	9.18e+07	1.65 y	1.50	24:07	1.170	1.165	1.177	43.9
PCB-15	4.90e+07	1.67 y	1.70	24:25	1.184	1.180	1.192	20.7
PCB-19	2.51e+07	1.03 y	1.18	22:48	1.001	0.996	1.006	23.0
PCB-30	3.89e+07	1.05 y	1.67	23:38	1.038	1.034	1.044	25.3
PCB-18	2.62e+07	1.04 y	0.69	24:19	0.955	0.950	0.960	23.7
PCB-17	2.98e+07	1.03 y	0.78	24:29	0.961	0.956	0.966	23.8
PCB-24/27	7.77e+07	1.03 y	0.99	25:00	0.982	0.977	0.987	49.0
- PCB-16/32	6.43e+07	1.05 y	0.85	25:29	1.000	0.995	1.005	47.1
- PCB-34	4.33e+07	1.07 y	1.19	26:13	0.961	0.956	0.966	26.3
PCB-23	4.28e+07	1.07 y	1.33	26:19	0.964	0.959	0.969	23.3
PCB-29	4.40e+07	1.07 y	1.35	26:32	0.973	0.968	0.978	23.5
PCB-26	4.26e+07	1.07 y	1.28	26:44	0.980	0.975	0.985	24.0
PCB-25	4.23e+07	1.07 y	1.33	26:53	0.985	0.980	0.990	22.9
PCB-31	4.36e+07	1.06 y	1.30	27:12	0.997	0.991	1.001	24.2
PCB-28	4.94e+07	1.09 y	1.54	27:18	1.001	0.996	1.006	23.1
PCB-20/21/33	1.31e+08	1.08 y	1.27	27:52	1.021	1.016	1.026	74.2
PCB-22	4.37e+07	1.07 y	1.33	28:16	1.036	1.031	1.041	23.7
PCB-36	4.14e+07	1.07 y	1.47	28:51	0.935	0.930	0.940	24.2
PCB-39	4.25e+07	1.08 y	1.57	29:17	0.949	0.944	0.954	23.3
PCB-38	4.26e+07	1.07 y	1.46	29:59	0.972	0.966	0.976	25.0
PCB-35	3.82e+07	1.09 y	1.42	30:28	0.988	0.982	0.992	23.1
PCB-37	4.06e+07	1.09 y	1.57	30:52	1.001	0.995	1.005	22.2
PCB-54	6.03e+07	0.76 y	0.99	26:15	1.001	0.996	1.006	48.0
PCB-50	4.74e+07	0.77 y	0.73	27:20	1.042	1.037	1.047	51.0
PCB-53	4.93e+07	0.76 y	0.71	27:55	1.064	1.059	1.069	54.6
PCB-51	4.95e+07	0.76 y	0.72	28:14	1.076	1.071	1.081	54.0
PCB-45	4.19e+07	0.76 y	0.62	28:37	1.091	1.087	1.097	53.0
PCB-46	4.01e+07	0.76 y	0.60	29:04	1.108	1.102	1.114	52.4

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-52/69	1.06e+08	0.76 y	0.81	29:31	1.125	1.119	1.131	104
PCB-73	6.38e+07	0.77 y	0.90	29:36	1.129	1.123	1.135	55.7
PCB-43/49	9.75e+07	0.76 y	0.71	29:46	1.135	1.129	1.141	109
PCB-47	5.02e+07	0.76 y	0.73	29:58	1.143	1.136	1.148	54.5
PCB-48/75	1.16e+08	0.76 y	0.86	30:04	1.147	1.141	1.153	106
PCB-65	6.00e+07	0.76 y	0.86	30:18	1.155	1.150	1.162	55.0
PCB-62	5.97e+07	0.77 y	0.83	30:25	1.160	1.154	1.166	56.9
PCB-44	3.81e+07	0.76 y	0.61	30:41	1.170	1.164	1.176	49.2
PCB-42/59	1.05e+08	0.76 y	0.79	30:53	1.178	1.171	1.183	105
PCB-41/64/71/72	2.36e+08	0.77 y	0.88	31:26	1.199	1.193	1.205	212
PCB-68	6.51e+07	0.76 y	0.97	31:40	1.208	1.202	1.214	53.2
PCB-40	3.56e+07	0.77 y	0.53	31:51	1.214	1.208	1.220	53.0
PCB-57	6.16e+07	0.76 y	1.09	32:12	0.885	0.880	0.888	50.7
PCB-67	6.46e+07	0.76 y	1.12	32:29	0.892	0.886	0.895	51.8
PCB-58	5.77e+07	0.77 y	1.08	32:34	0.895	0.889	0.898	47.9
PCB-63	6.15e+07	0.76 y	1.09	32:44	0.899	0.893	0.902	50.9
PCB-74	6.16e+07	0.76 y	1.15	32:60	0.907	0.900	0.909	48.1
PCB-61	4.85e+07	0.76 y	0.91	33:06	0.909	0.903	0.913	48.0
PCB-70	6.75e+07	0.77 y	1.14	33:10	0.912	0.905	0.915	53.4
PCB-76	5.17e+07	0.74 y	0.99	33:17	0.915	0.911	0.921	47.1
PCB-66	7.85e+07	0.77 y	1.31	33:22	0.917	0.911	0.921	53.8
PCB-80	6.99e+07	0.77 y	1.28	33:35	0.923	0.917	0.927	49.1
PCB-55	6.14e+07	0.76 y	1.10	33:51	0.930	0.925	0.935	50.2
PCB-56/60	1.16e+08	0.77 y	1.09	34:18	0.943	0.936	0.946	95.7
PCB-79	5.98e+07	0.76 y	1.12	35:17	0.970	0.965	0.975	48.1
PCB-78	5.82e+07	0.78 y	1.08	35:56	0.987	0.982	0.992	48.4
PCB-81	6.22e+07	0.80 y	1.16	36:25	1.001	0.995	1.005	48.2
PCB-77	5.46e+07	0.76 y	1.06	36:57	1.001	0.995	1.005	46.2
PCB-104	4.93e+07	1.58 y	1.16	30:33	1.001	0.996	1.006	47.0
PCB-96	4.71e+07	1.59 y	1.10	31:41	1.038	1.033	1.043	47.0
PCB-103	3.91e+07	1.55 y	0.91	32:11	1.055	1.050	1.060	47.1
PCB-100	3.78e+07	1.58 y	0.90	32:31	1.065	1.061	1.071	46.0
PCB-94	3.14e+07	1.60 y	0.98	32:56	0.986	0.981	0.991	46.6
PCB-95/98/102	1.02e+08	1.57 y	1.09	33:23	0.999	0.995	1.005	135
PCB-93	3.46e+07	1.62 y	1.00	33:30	1.003	0.998	1.008	50.4
PCB-88/91	6.51e+07	1.74 y	1.00	33:46	1.011	1.006	1.016	94.9
PCB-121	4.79e+07	1.38 y	1.49	33:53	1.014	1.009	1.019	46.9

RL: MONO, TRI: _____ Integrations by Analyst: [signature]

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 5-20-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:13 Acq:19-MAY-04 22:58:20 ConCal: ST040519E1-1
Lab ID: ST040519E1-2 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
	PCB-84/92	6.40e+07	1.57 y	1.01	34:37	0.990	0.985-0.995	94.1
	PCB-89	3.13e+07	1.60 y	0.96	34:47	0.995	0.990-1.000	48.4
	PCB-90/101	7.33e+07	1.58 y	1.14	34:58	1.000	0.995-1.005	95.7
	PCB-113	4.16e+07	1.59 y	1.19	35:11	1.006	1.001-1.011	51.9
	PCB-99	3.75e+07	1.59 y	1.27	35:16	1.009	1.004-1.014	44.1
	PCB-119	4.62e+07	1.58 y	1.45	35:42	1.021	1.016-1.026	47.5
	PCB-108/112	7.35e+07	1.60 y	1.15	35:50	1.025	1.020-1.030	95.2
	PCB-83	4.29e+07	1.60 y	1.31	35:59	1.029	1.024-1.034	48.8
	PCB-97	3.05e+07	1.59 y	1.02	36:09	1.034	1.029-1.039	44.4
	PCB-86	2.66e+07	1.57 y	0.91	36:16	1.038	1.032-1.042	43.6
	B-87/117/125	1.24e+08	1.58 y	1.32	36:23	1.041	1.036-1.046	140
	PCB-111/115	8.96e+07	1.57 y	1.46	36:33	1.046	1.040-1.050	91.0
	PCB-85/116	8.23e+07	1.59 y	1.21	36:40	1.049	1.043-1.053	102
	PCB-120	4.71e+07	1.59 y	1.53	36:53	1.055	1.050-1.060	45.9
	PCB-110	4.61e+07	1.60 y	1.47	37:00	1.059	1.054-1.064	46.7
	PCB-82	2.71e+07	1.59 y	0.70	37:34	0.976	0.972-0.982	48.4
	PCB-124	4.51e+07	1.56 y	1.17	38:12	0.993	0.988-0.998	47.9
	PCB-107/109	9.92e+07	1.58 y	1.21	38:20	0.996	0.991-1.001	102
	PCB-123	4.27e+07	1.59 y	1.15	38:29	1.001	0.995-1.005	46.0
-	PCB-106/118	9.17e+07	1.56 y	1.06	38:41	1.001	0.996-1.006	97.7
-	PCB-114	5.09e+07	1.55 y	1.40	39:15	1.000	0.995-1.005	42.9
	PCB-122	4.94e+07	1.57 y	1.45	39:22	0.984	0.979-0.989	40.3
	PCB-105	4.98e+07	1.55 y	1.44	40:03	1.000	0.996-1.006	41.1
	PCB-127	4.85e+07	1.57 y	1.35	40:23	1.009	1.004-1.014	42.6
	PCB-126	4.86e+07	1.58 y	1.41	42:06	1.000	0.995-1.005	40.5
	PCB-155	4.20e+07	1.31 y	1.12	34:33	1.001	0.995-1.005	45.5
	PCB-150	3.82e+07	1.31 y	1.04	35:41	1.034	1.028-1.038	44.7
	PCB-152	3.80e+07	1.29 y	1.03	36:07	1.046	1.041-1.051	45.0
	PCB-145	3.85e+07	1.32 y	1.02	36:31	1.058	1.052-1.062	46.1
	PCB-136	3.68e+07	1.31 y	1.00	36:49	1.066	1.061-1.071	44.9
	PCB-148	2.88e+07	1.32 y	0.79	36:55	1.070	1.064-1.074	44.5
	PCB-154	3.91e+07	1.31 y	0.92	37:22	1.083	1.077-1.087	51.9
	PCB-151	2.65e+07	1.32 y	0.72	37:57	1.099	1.094-1.104	44.7
	PCB-135	2.47e+07	1.29 y	0.70	38:08	1.105	1.098-1.110	42.7
	PCB-144	2.91e+07	1.32 y	0.77	38:14	1.108	1.101-1.113	46.0
	PCB-147	3.09e+07	1.34 y	0.83	38:21	1.111	1.105-1.117	45.5
	PCB-139/149	5.76e+07	1.32 y	0.80	38:36	1.118	1.112-1.124	87.6

	Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
-	PCB-140	2.81e+07	1.32 y	0.80	38:46	1.123	1.117-1.129	42.8
-	PCB-134/143	5.63e+07	1.25 y	0.74	39:10	1.134	1.128-1.140	98.2
	PCB-133/142	5.62e+07	1.24 y	0.74	39:26	1.142	1.136-1.148	97.3
	PCB-131	2.84e+07	1.25 y	0.72	39:35	1.147	1.140-1.152	50.7
	PCB-146/165	7.87e+07	1.25 y	1.01	39:48	0.991	0.986-0.996	100
	PCB-132/161	7.16e+07	1.23 y	0.96	40:01	0.996	0.991-1.001	96.5
	PCB-153	4.01e+07	1.25 y	1.03	40:11	1.000	0.995-1.005	50.3
	PCB-168	4.16e+07	1.24 y	1.11	40:21	1.005	1.000-1.010	48.2
	PCB-141	3.37e+07	1.25 y	0.89	40:50	1.017	1.012-1.022	49.0
	PCB-137	3.15e+07	1.22 y	0.84	41:11	1.026	1.021-1.031	48.6
	PCB-130	3.23e+07	1.24 y	0.77	41:17	1.028	1.023-1.033	54.1
	PCB-138/163/164	1.26e+08	1.24 y	1.09	41:37	1.037	1.032-1.042	149
	PCB-158/160	9.00e+07	1.23 y	1.16	41:51	1.042	1.037-1.047	99.9
	PCB-129	2.76e+07	1.22 y	0.73	42:03	1.047	1.042-1.052	48.6
	PCB-166	4.10e+07	1.23 y	0.93	42:29	0.979	0.974-0.984	48.8
	PCB-159	4.33e+07	1.23 y	0.99	42:47	0.986	0.981-0.991	48.5
	PCB-128/162	9.29e+07	1.23 y	0.84	43:02	0.992	0.987-0.997	123
	PCB-167	4.29e+07	1.23 y	0.97	43:24	1.000	0.995-1.005	49.4
	PCB-156	4.33e+07	1.22 y	1.04	44:34	1.000	0.995-1.005	49.5
	PCB-157	4.23e+07	1.24 y	0.96	44:49	1.000	0.996-1.006	49.0
	PCB-169	3.73e+07	1.24 y	0.96	46:48	1.000	0.995-1.005	45.9
	PCB-188	4.34e+07	1.06 y	1.47	39:49	1.001	0.995-1.005	48.2
	PCB-184	4.41e+07	1.07 y	1.48	40:13	1.011	1.005-1.015	48.6
	PCB-179	4.25e+07	1.05 y	1.38	40:55	1.028	1.023-1.033	50.5
	PCB-176	4.16e+07	1.05 y	1.34	41:20	1.039	1.034-1.044	50.8
	PCB-186	4.14e+07	1.06 y	1.38	41:54	1.053	1.048-1.058	49.3
	PCB-178	2.96e+07	1.05 y	0.99	42:21	1.064	1.059-1.069	48.7
	PCB-175	2.99e+07	1.06 y	0.98	42:40	1.072	1.067-1.077	50.2
	PCB-182/187	6.61e+07	1.04 y	1.16	42:49	1.076	1.071-1.081	93.8
	PCB-183	3.61e+07	1.04 y	1.12	43:07	1.083	1.078-1.088	53.0
	PCB-185	2.91e+07	1.05 y	1.38	43:43	0.957	0.952-0.962	50.5
	PCB-174	2.97e+07	1.04 y	1.46	44:02	0.964	0.959-0.969	48.6
	PCB-181	3.03e+07	1.06 y	1.42	44:08	0.966	0.961-0.971	50.8
	PCB-177	2.75e+07	1.05 y	1.35	44:17	0.969	0.964-0.974	48.7
	PCB-171	2.94e+07	1.04 y	1.45	44:33	0.975	0.970-0.980	48.6
	PCB-173	2.57e+07	1.06 y	1.29	44:56	0.983	0.978-0.988	47.9
	PCB-172	2.69e+07	1.06 y	1.30	45:21	0.992	0.987-0.997	49.4

RL: MONO, TRI: — Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: —

RL: OCTA - DECA: — Date: 5-20-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:13 Acq:19-MAY-04 22:58:20 ConCal: ST040519E1-1
Lab ID: ST040519E1-2 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-192	3.50e+07	1.07 y	1.70	45:32	0.996	0.991	1.001	49.3
PCB-180	2.93e+07	1.05 y	1.50	45:43	1.000	0.995	1.005	46.7
PCB-193	3.79e+07	1.05 y	1.94	45:54	1.005	0.999	1.009	46.7
PCB-191	3.57e+07	1.06 y	1.79	46:08	1.010	1.004	1.014	47.5
PCB-170	2.61e+07	1.04 y	1.53	47:05	1.000	0.995	1.005	48.0
PCB-190	3.42e+07	1.05 y	2.02	47:15	1.004	0.999	1.009	47.8
PCB-189	3.79e+07	1.05 y	1.42	48:29	1.000	0.995	1.005	43.1
PCB-202	4.54e+07	0.90 y	1.00	44:43	1.000	0.996	1.006	70.6
PCB-201	4.67e+07	0.91 y	0.99	45:09	1.010	1.005	1.015	73.8
PCB-204	4.63e+07	0.91 y	1.02	45:18	1.013	1.008	1.018	71.1
PCB-197	4.69e+07	0.91 y	1.04	45:35	1.020	1.014	1.025	70.6
PCB-200	5.00e+07	0.91 y	0.98	46:22	1.038	1.032	1.042	79.7
PCB-198	3.01e+07	0.91 y	0.68	47:37	1.065	1.060	1.070	69.0
PCB-199	3.30e+07	0.91 y	0.74	47:43	1.068	1.062	1.072	69.5
- PCB-196/203	7.00e+07	0.90 y	0.79	47:58	1.073	1.068	1.078	138
- PCB-195	4.49e+07	0.91 y	1.18	49:04	0.984	0.979	0.989	68.7
PCB-194	5.08e+07	0.91 y	1.28	49:53	1.000	0.995	1.005	71.6
PCB-205	6.71e+07	0.92 y	1.67	50:08	1.005	1.000	1.010	72.4
PCB-208	4.49e+07	1.34 y	0.94	49:11	1.000	0.995	1.005	72.0
PCB-207	4.40e+07	1.34 y	0.84	49:29	1.006	1.001	1.014	79.7
PCB-206	3.43e+07	1.36 y	0.88	51:19	1.000	0.995	1.005	76.8
PCB-209	5.02e+07	1.19 y	1.11	52:31	1.000	0.995	1.005	65.6

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	1.33e+08	2.97 y	15:16	0.93	80.6	
Total Di-PCB	5.29e+08	1.64 y	19:00	1.51	265	
Total Tri-PCB	2.62e+08	1.03 y	22:48	0.99	192	
Total Tri-PCB	7.12e+08	1.07 y	26:13	1.38	397	Sum:589
Total Tetra-PCB	2.37e+09	0.76 y	26:15	0.81	2180	
Total Penta-PCB	1.62e+09	1.58 y	30:33	1.10	1950	
Total Penta-PCB	2.70e+08	1.55 y	39:15	1.41	226	Sum:2170
Total Hexa-PCB	4.58e+08	1.31 y	34:33	0.88	632	
Total Hexa-PCB	1.08e+09	1.25 y	39:10	0.92	1430	Sum:2060
Total Hepta-PCB	8.21e+08	1.06 y	39:49	1.37	1180	
Total Octa-PCB	3.68e+08	0.90 y	44:43	0.89	642	
Total Octa-PCB	1.68e+08	0.91 y	49:04	1.38	220	Sum:862
Total Nona-PCB	1.24e+08	1.34 y	49:11	0.89	231	
Total Deca-PCB	5.02e+07	1.19 y	52:31	1.11	65.6	

RL: MONO, TRI: — Integrations by Analyst:

RL: DI, TETRA - HEPTA: —

RL: OCTA - DECA: Date: 5-20-04

Client ID: PCB CS3 040409C Filename: 040519E1 S:13 Acq:19-MAY-04 22:58:20 ConCal: ST040519E1-1
Lab ID: ST040519E1-2 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	1.75e+08	3.11 y	1.09	15:15	0.625	0.624-0.630	108	108
13C-PCB-3	1.78e+08	3.20 y	1.24	17:43	0.726	0.723-0.731	96.3	96.3
13C-PCB-4	8.64e+07	1.54 y	0.59	18:56	0.776	0.774-0.782	98.6	98.6
13C-PCB-9	1.39e+08	1.59 y	0.90	20:37	0.845	0.842-0.850	104	104
13C-PCB-19	9.22e+07	1.04 y	0.70	22:47	0.838	0.835-0.843	103	103
13C-PCB-28	1.38e+08	1.08 y	1.09	27:17	1.004	0.998-1.008	99.0	99.0
13C-PCB-32	1.61e+08	1.06 y	1.18	25:29	0.937	0.932-0.942	107	107
13C-PCB-37	1.16e+08	1.08 y	0.93	30:51	1.135	1.128-1.140	97.8	97.8
13C-PCB-54	1.27e+08	0.82 y	1.15	26:14	0.765	0.762-0.770	99.1	99.1
13C-PCB-77	1.11e+08	0.79 y	1.01	36:56	1.077	1.071-1.081	99.1	99.1
13C-PCB-81	1.11e+08	0.80 y	0.98	36:23	1.061	1.056-1.066	102	102
13C-PCB-95	6.86e+07	1.57 y	0.73	33:24	0.914	0.910-0.920	106	106
13C-PCB-101	6.72e+07	1.61 y	0.73	34:58	0.957	0.952-0.962	104	104
13C-PCB-104	9.08e+07	1.55 y	0.93	30:31	0.835	0.832-0.840	109	109
13C-PCB-105	8.43e+07	1.66 y	1.09	40:02	0.962	0.957-0.967	113	113
13C-PCB-114	8.48e+07	1.61 y	1.13	39:14	0.944	0.938-0.948	110	110
13C-PCB-118	8.87e+07	1.58 y	0.98	38:39	1.057	1.053-1.063	101	101
13C-PCB-123	8.04e+07	1.57 y	0.87	38:28	1.053	1.048-1.058	103	103
13C-PCB-126	8.55e+07	1.60 y	1.06	42:04	1.012	1.006-1.016	118	118
13C-PCB-153	7.76e+07	1.26 y	1.12	40:09	0.966	0.961-0.971	101	101
13C-PCB-155	8.23e+07	1.28 y	0.97	34:31	0.830	0.827-0.835	95.2	95.2
13C-PCB-156	8.38e+07	1.28 y	1.24	44:33	1.071	1.066-1.076	98.3	98.3
13C-PCB-157	8.97e+07	1.27 y	1.33	44:47	1.077	1.072-1.082	98.5	98.5
13C-PCB-167	9.00e+07	1.28 y	1.28	43:23	1.043	1.038-1.048	102	102
13C-PCB-169	8.46e+07	1.27 y	1.26	46:47	1.125	1.118-1.130	97.8	97.8
13C-PCB-170	3.54e+07	0.45 y	0.56	47:04	1.132	1.125-1.137	92.8	92.8
13C-PCB-180	4.18e+07	0.46 y	0.65	45:42	1.099	1.094-1.104	93.5	93.5
13C-PCB-188	6.10e+07	0.46 y	0.92	39:48	0.957	0.952-0.962	96.4	96.4
13C-PCB-189	6.18e+07	0.46 y	0.85	48:28	1.166	1.158-1.170	107	107
13C-PCB-194	5.54e+07	0.93 y	0.71	49:52	0.995	0.990-1.000	96.1	96.1
13C-PCB-202	6.41e+07	0.90 y	1.02	44:42	1.075	1.070-1.080	92.1	92.1
13C-PCB-206	5.08e+07	0.77 y	0.65	51:18	1.024	1.019-1.029	96.7	96.7
13C-PCB-208	6.61e+07	0.78 y	0.94	49:10	0.981	0.977-0.987	87.2	87.2
13C-PCB-209	6.90e+07	1.19 y	0.97	52:30	1.048	1.044-1.054	87.7	87.7
13C-PCB-15	1.49e+08	1.57 y	1.00	24:24			100	-
13C-PCB-31	1.28e+08	1.08 y	1.00	27:11			100	-
13C-PCB-60	1.11e+08	0.79 y	1.00	34:17			100	-
13C-PCB-111	8.90e+07	1.54 y	1.00	36:33			100	-
13C-PCB-138	6.85e+07	1.29 y	1.00	41:35			100	-
13C-PCB-205	8.11e+07	0.92 y	1.00	50:07			100	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	9.22e+07	0.80	y	29:29	0.82	101	101
13C-PCB-178	3.77e+07	0.46	y	42:19	0.90	100	100

Integrations by Analyst: [signature]

Date: 5-20-04

Alta Analytical Laboratory - Injection Log Run file: 040519E1 Instrument ID: VG-8 GC Column ID: DB-1

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
040519E1	1	ST040519E1-1 PCB CS3 040409C	RAS	19-MAY-04	10:55:36	ST040519E1-1	ST040519E1-2
040519E1	2	0_5892_OPR001	RAS	19-MAY-04	11:55:50	ST040519E1-1	ST040519E1-2
040519E1	3	SOLVENT BLANK	RAS	19-MAY-04	12:56:05	ST040519E1-1	ST040519E1-2
040519E1	4	0_5892_MB001	RAS	19-MAY-04	13:56:21	ST040519E1-1	ST040519E1-2
040519E1	5	24990_5892_001 84FB-AIR-107 1Train	RAS	19-MAY-04	14:56:36	ST040519E1-1	ST040519E1-2
040519E1	6	24990_5892_002 84-AIR-101 1Train	RAS	19-MAY-04	15:56:45	ST040519E1-1	ST040519E1-2
040519E1	7	24990_5892_003 84-AIR-104 1Train	RAS	19-MAY-04	16:56:54	ST040519E1-1	ST040519E1-2
040519E1	8	24990_5892_004 84B-AIR-105 1Train	RAS	19-MAY-04	17:57:08	ST040519E1-1	ST040519E1-2
040519E1	9	24990_5892_005 84B-AIR-106 1Train	RAS	19-MAY-04	18:57:22	ST040519E1-1	ST040519E1-2
040519E1	10	24990_5892_006 84D-AIR-102 1Train	RAS	19-MAY-04	19:57:36	ST040519E1-1	ST040519E1-2
040519E1	11	24990_5892_007 84T-AIR-103 1Train	RAS	19-MAY-04	20:57:50	ST040519E1-1	ST040519E1-2
040519E1	12	SOLVENT BLANK	RAS	19-MAY-04	21:58:05	ST040519E1-1	ST040519E1-2
040519E1	13	ST040519E1-2 PCB CS3 040409C	RAS	19-MAY-04	22:58:20	ST040519E1-1	ST040519E1-2

STANDARD OPERATING PROCEDURE

HRMS STANDARDS REVIEW CHECKLIST Attachment 7.F.2

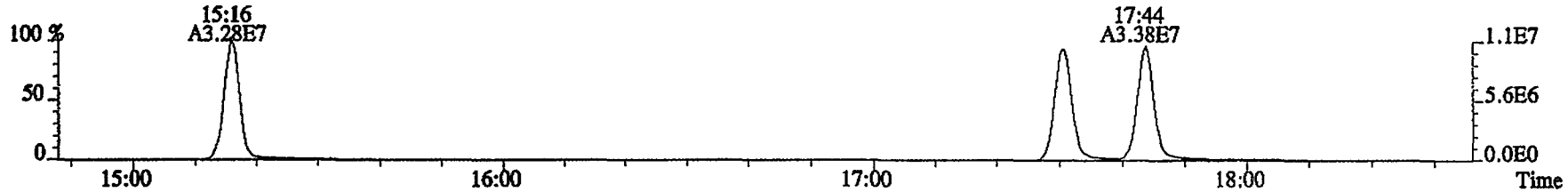
Beginning Calibration ID: ST040519 91-1 Ending Calibration ID: ST040519 81-2

	Beg.CAL	End. CAL	COMMENTS
Calibration Verification/Form 4A/B: Ion abundance within QC limits?	✓	✓	
Calibration Verification/Form 4A/B: Conc within Conc. range?	✓	✓	
Form 5: First and last eluters present? (N/A for DB225)	NA	N/A	
Form 6A/6B: Relative Retention Times within limits? (N/A for M23, TO9, 1668, DB225)	NA	NA	
Cal. Ver. Named correctly? (Ex. ST-Year-Month-Day-VG ID)	✓	✓	
Cal. Verification forms signed and dated for review?	✓	✓	
Appropriate ICAL referenced?	✓	✓	
Run log: Standards named correctly? Correct Instrument listed?	✓	✓	
Run log: Samples within 12-hour shift?		✓	
Mass resolution > 10,000	✓	✓	
2378-TCDD/TCDF valley < 25% (N/A for 1668)	NA	NA	
All appropriate peaks integrated correctly?	✓	✓	
Manual integrations included?	✓	✓	
8280: Ratios within limits?		N/A	
8280: S/N > 2.5:1		↓	
8280: CS1 within 12 hrs?		↓	

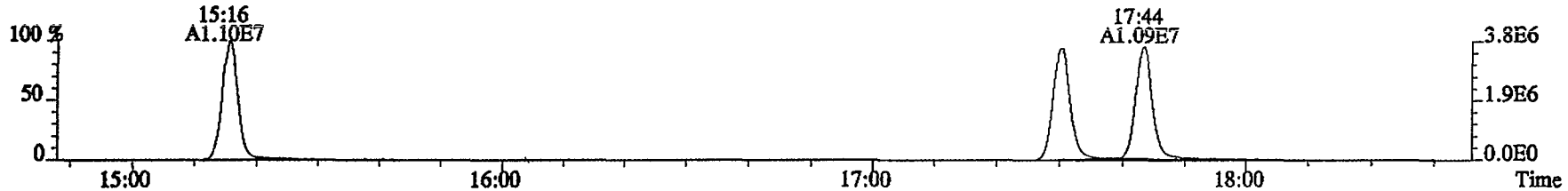
Reviewer Initial/Date: MS 5/20/04 QA* (Random 5% Check) Initial/Date: _____

Alta Analytical Laboratory
El Dorado Hills, CA 95762

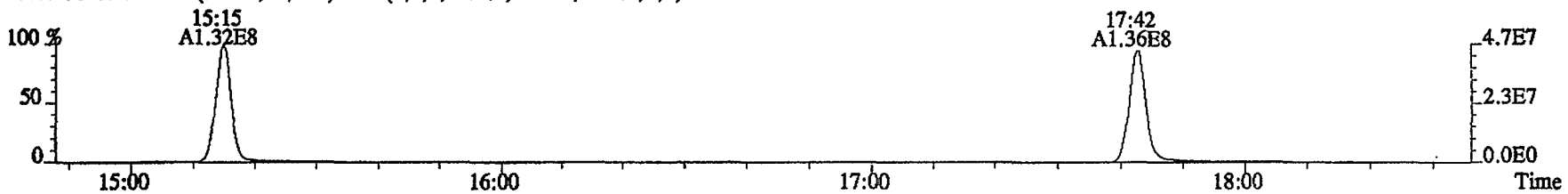
File:040519E1 #1-729 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
188.0393 S:13 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1796.0,0.00%,F,F)



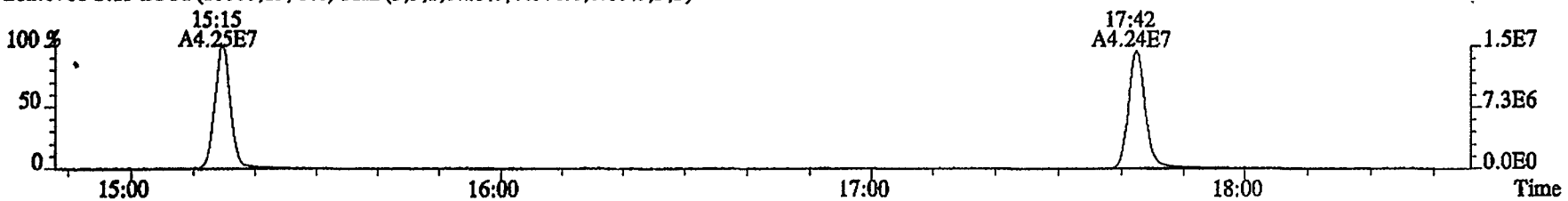
190.0363 S:13 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,908.0,0.00%,F,F)



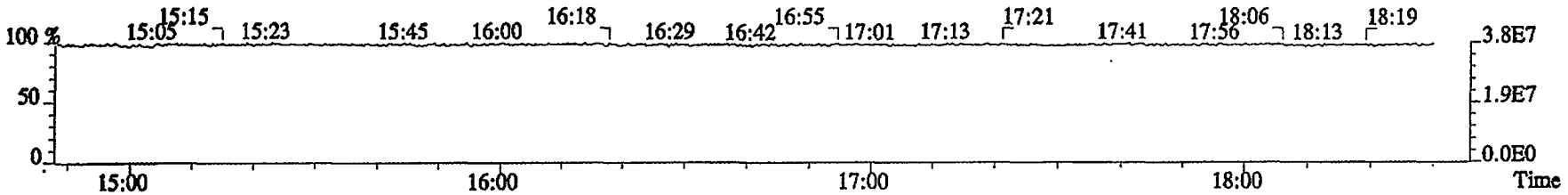
200.0795 S:13 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4084.0,0.00%,F,F)



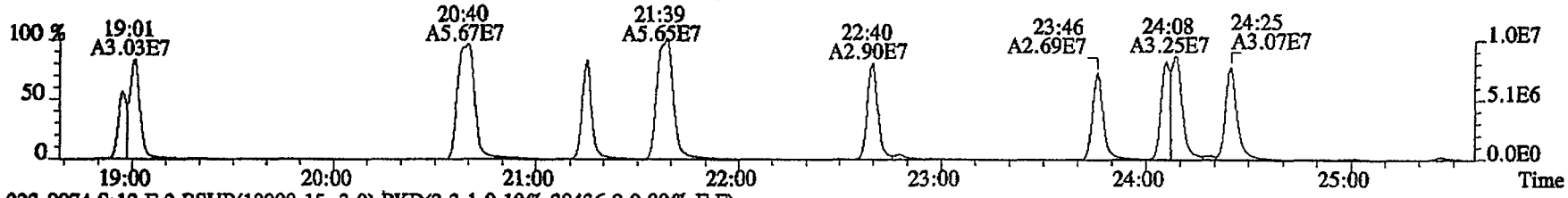
202.0766 S:13 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,44576.0,0.00%,F,F)



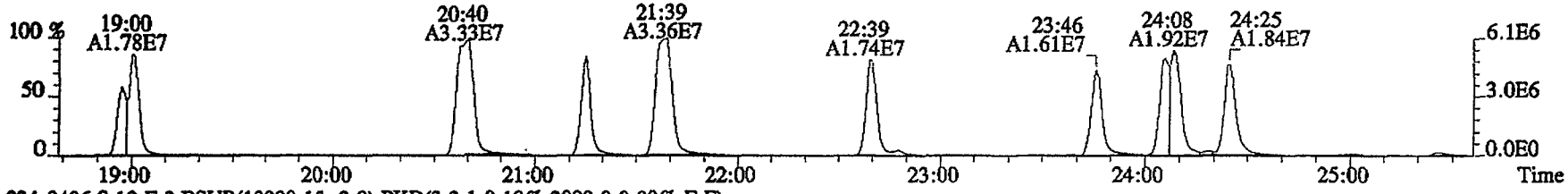
180.9880 S:13



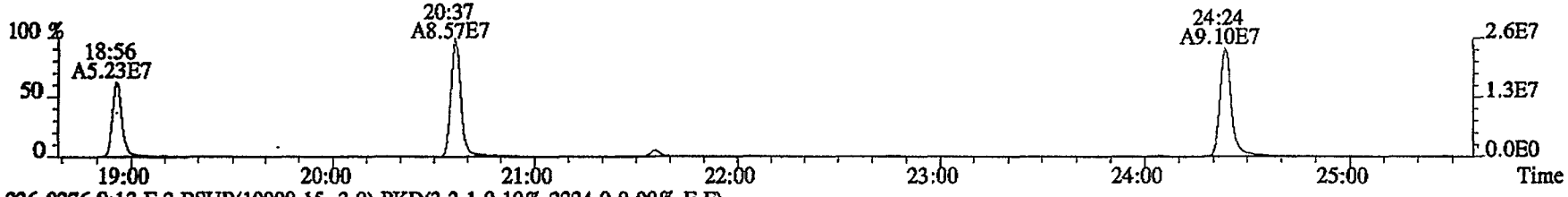
File:040519E1 #1-686 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8212.0,0.00%,F,F)



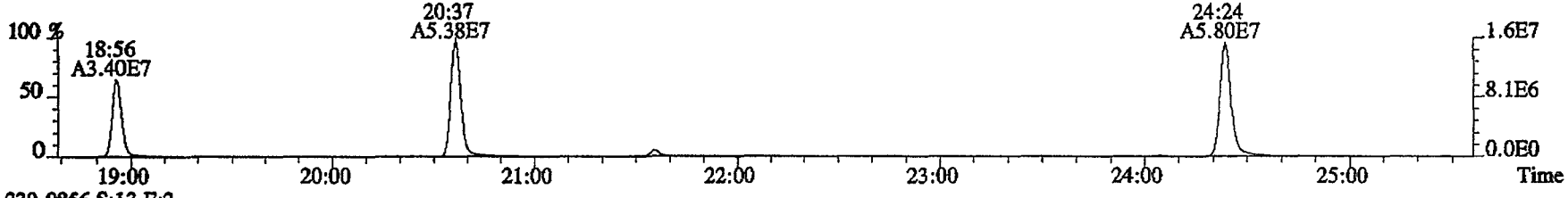
223.9974 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29436.0,0.00%,F,F)



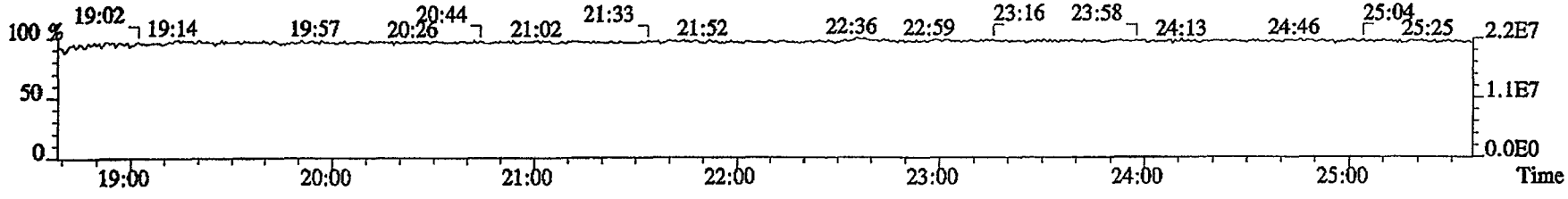
234.0406 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2908.0,0.00%,F,F)



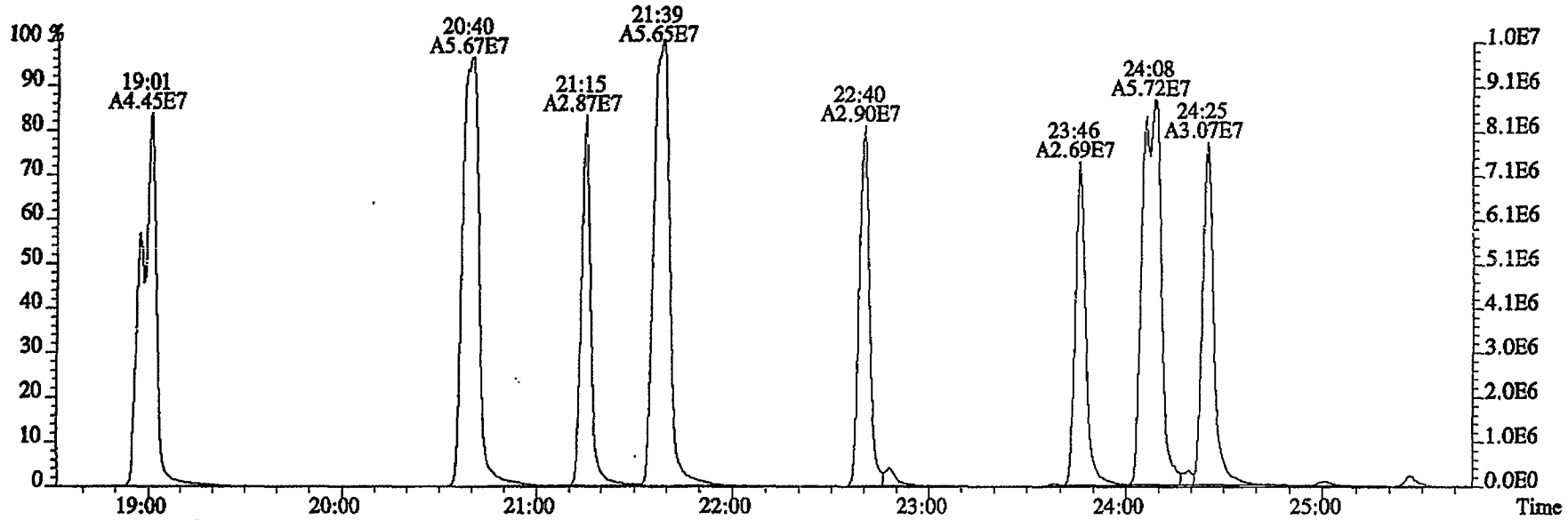
236.0376 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2224.0,0.00%,F,F)



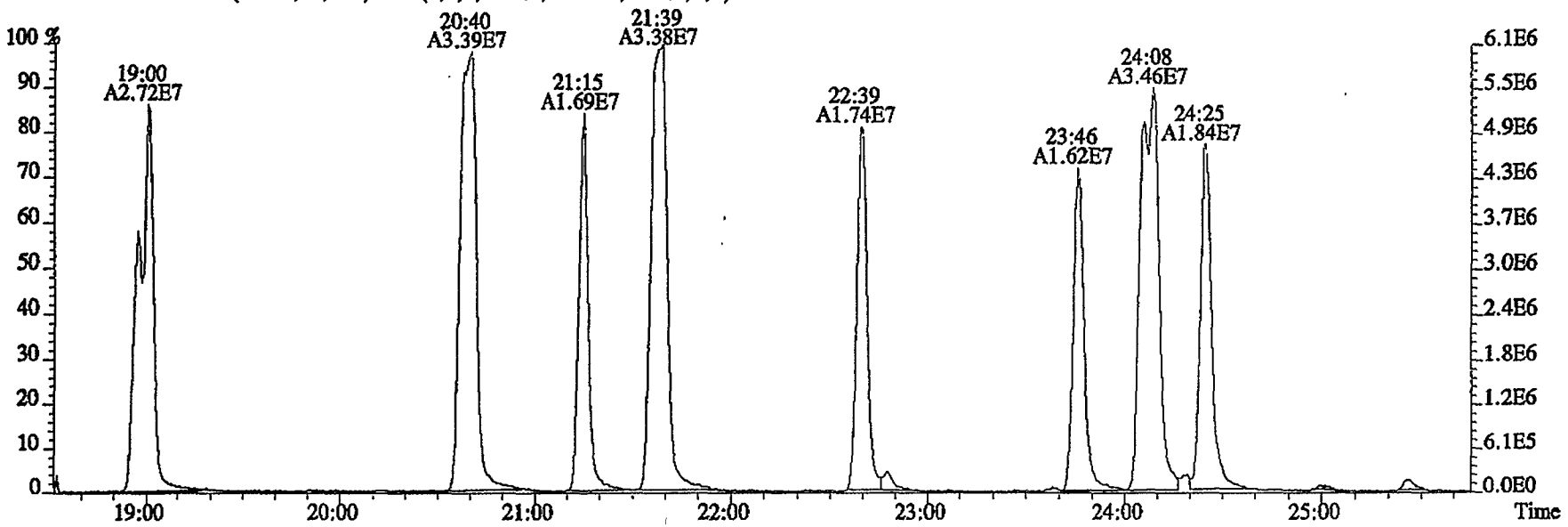
230.9856 S:13 F:2



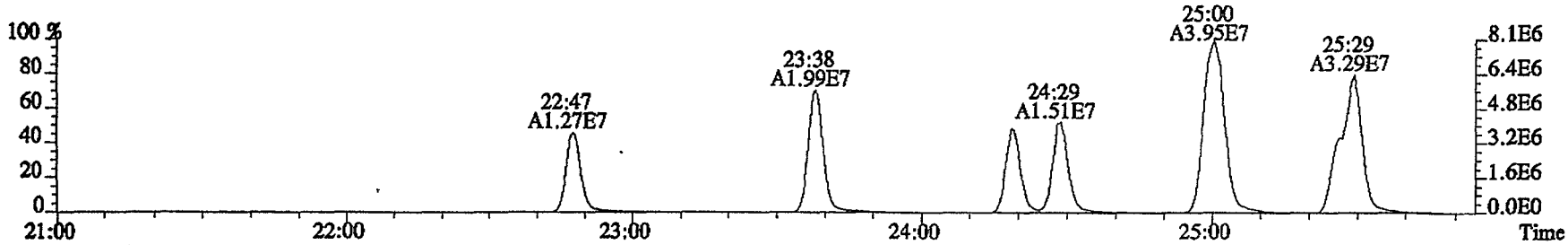
File:040519E1 #1-686 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8212.0,0.00%,F,F)



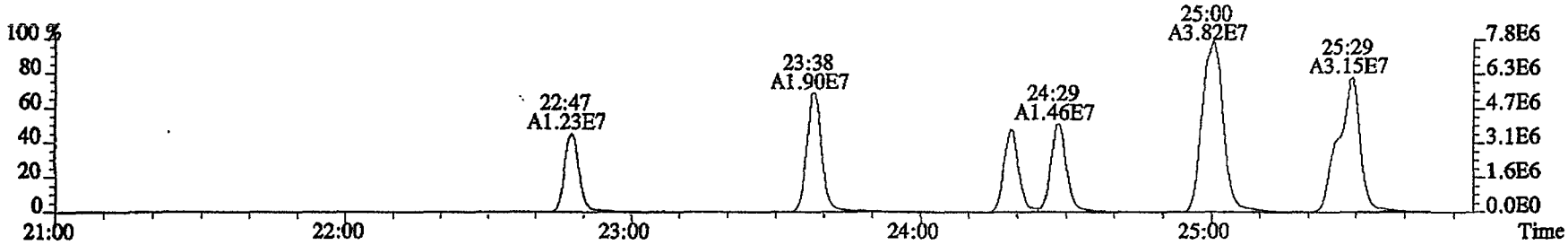
223.9974 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29436.0,0.00%,F,F)



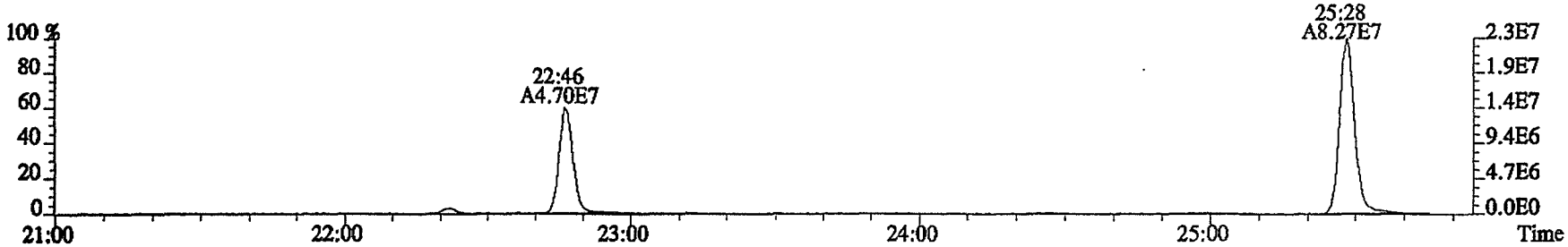
File:040519E1 #1-686 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
255.9613 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2256.0,0.00%,F,F)



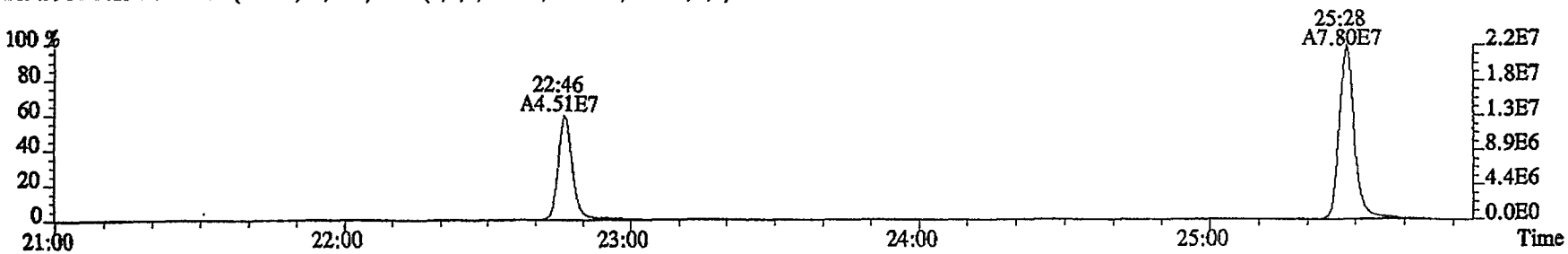
257.9584 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



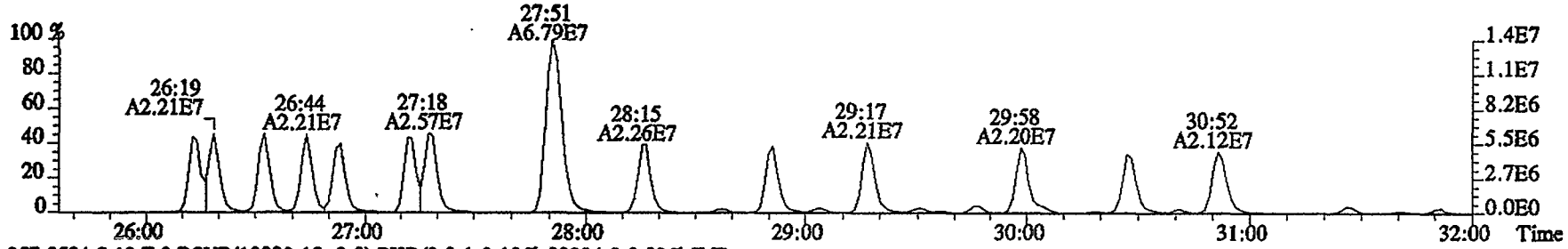
268.0016 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,43556.0,0.00%,F,F)



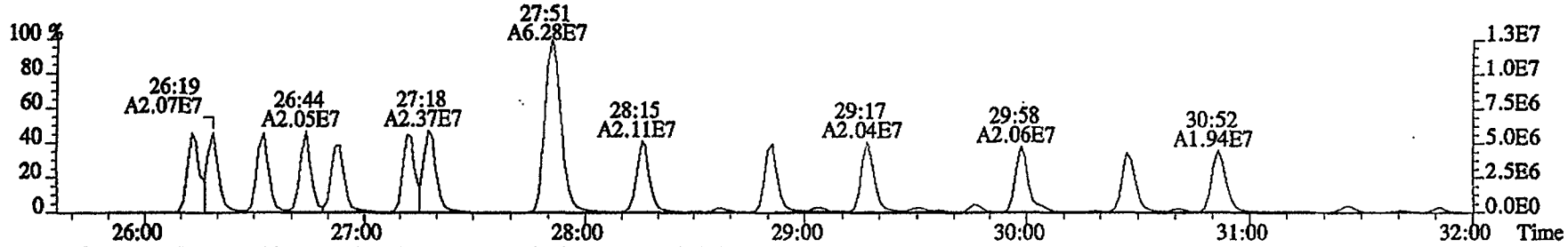
269.9986 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,21336.0,0.00%,F,F)



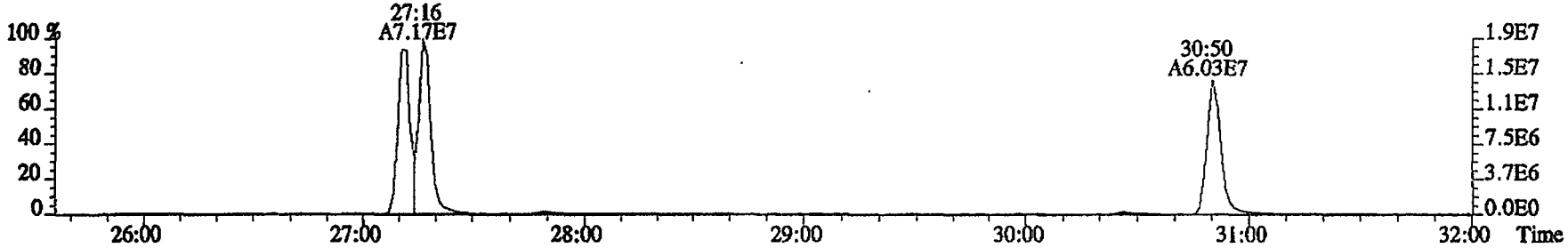
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
255.9613 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34916.0,0.00%,F,F)



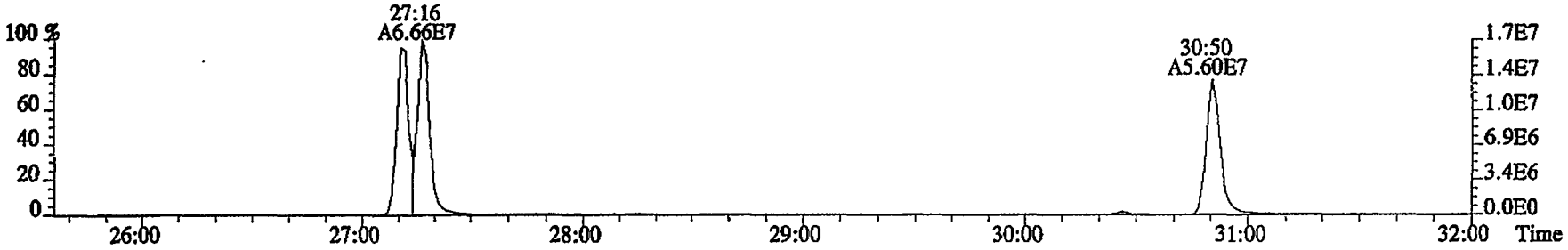
257.9584 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20324.0,0.00%,F,F)



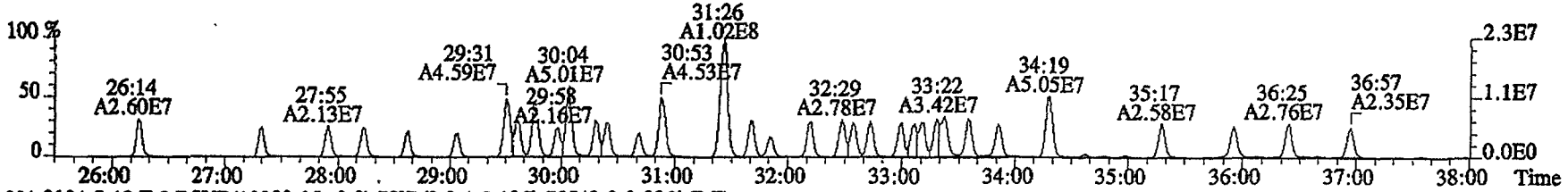
268.0016 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,51960.0,0.00%,F,F)



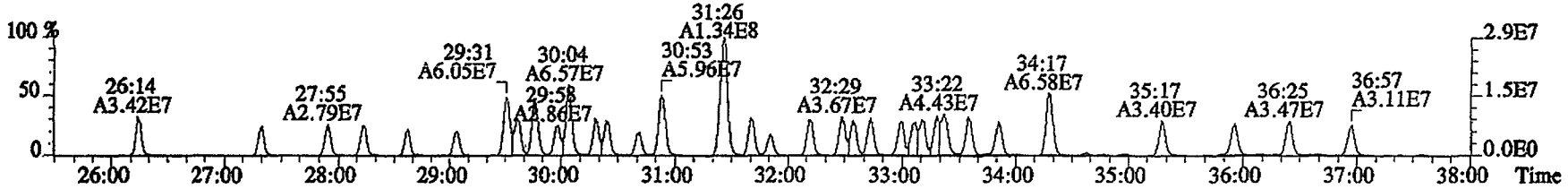
269.9986 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,19668.0,0.00%,F,F)



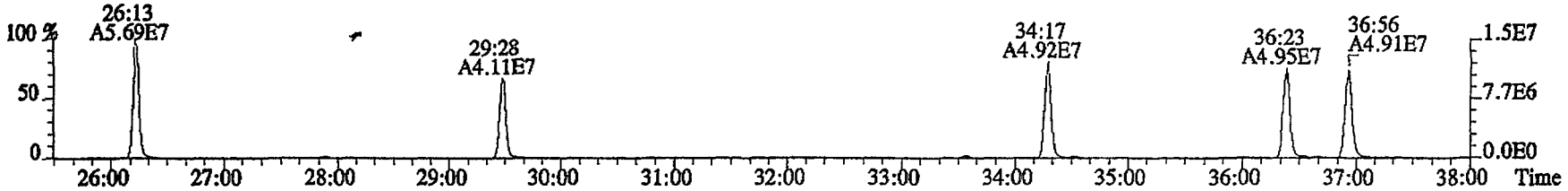
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,48720.0,0.00%,F,F)



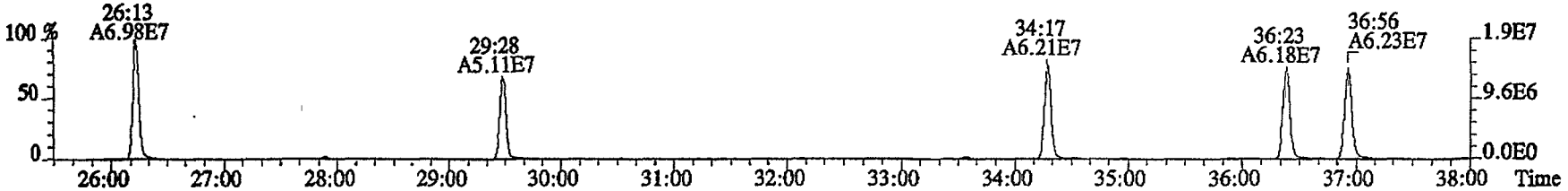
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,79540.0,0.00%,F,F)



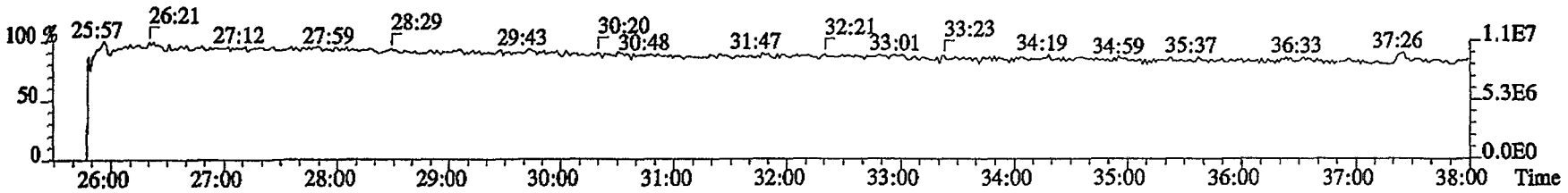
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2012.0,0.00%,F,F)



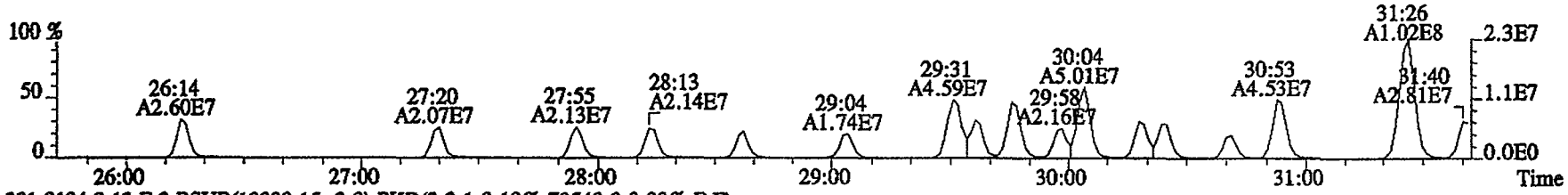
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1676.0,0.00%,F,F)



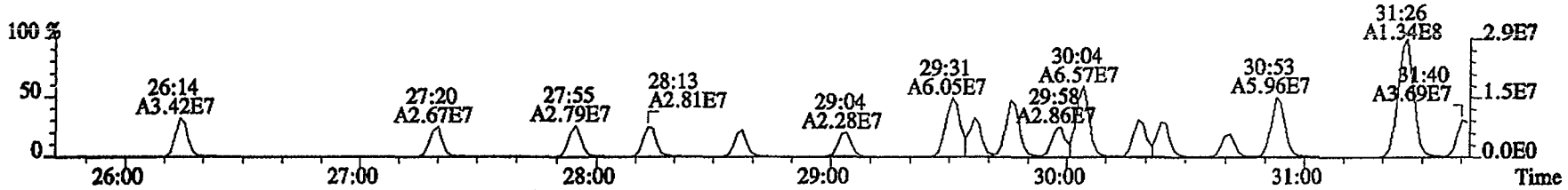
330.9792 S:13 F:3



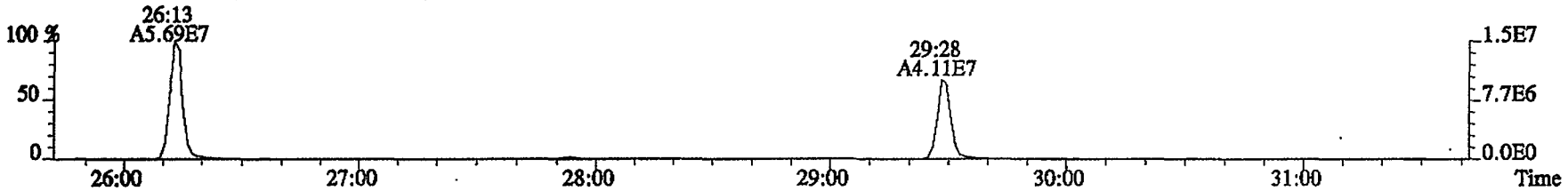
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,48720.0,0.00%,F,F)



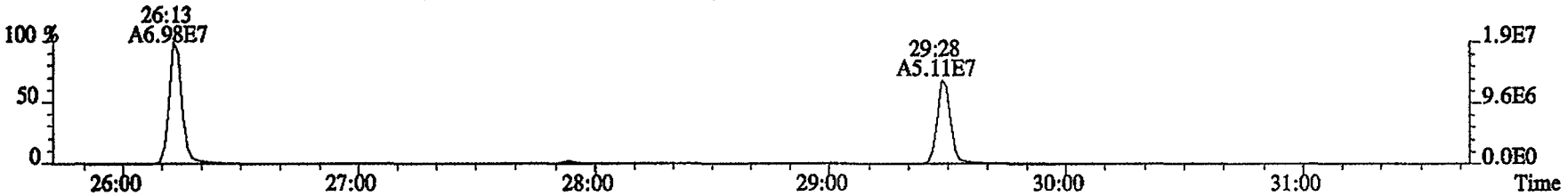
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,79540.0,0.00%,F,F)



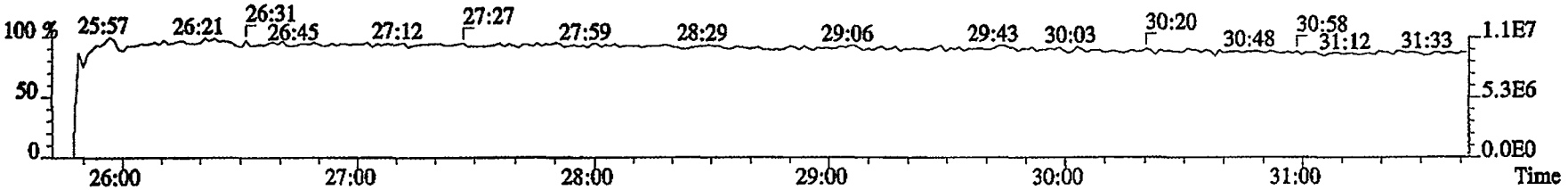
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2012.0,0.00%,F,F)



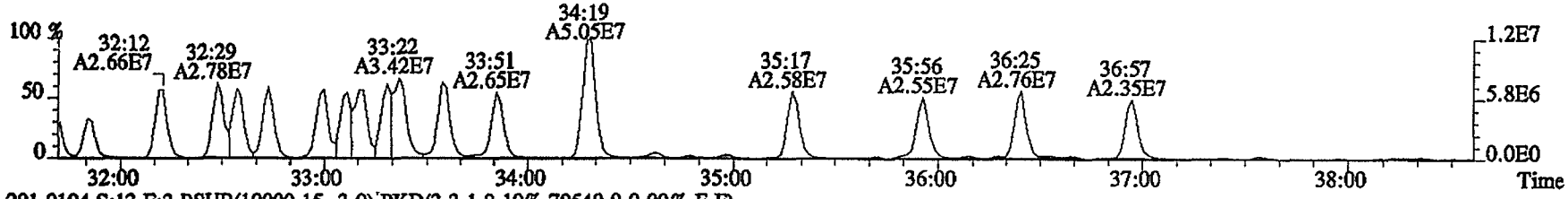
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1676.0,0.00%,F,F)



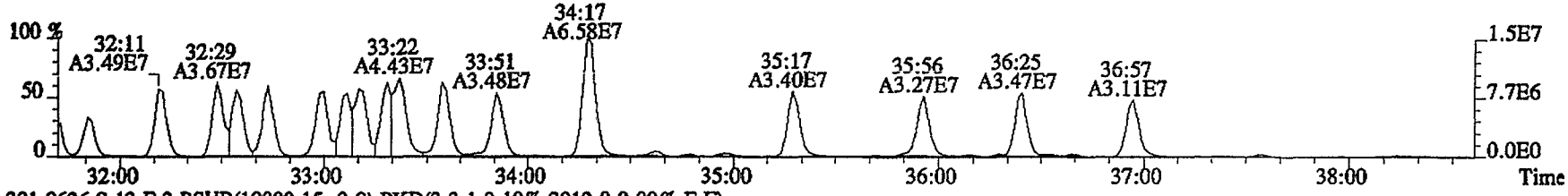
330.9792 S:13 F:3



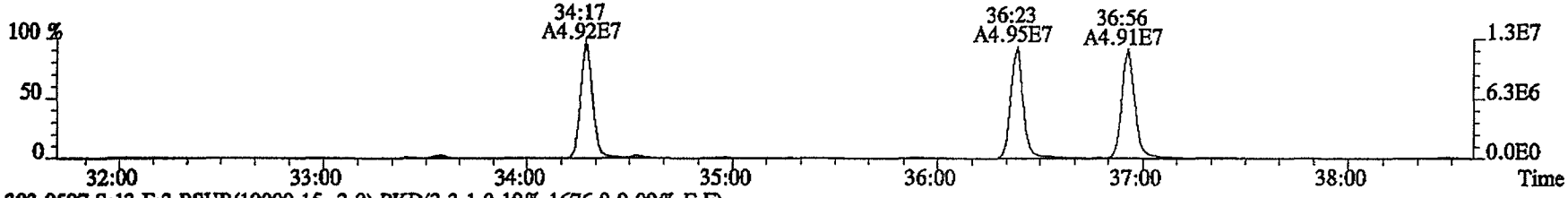
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,48720.0,0.00%,F,F)



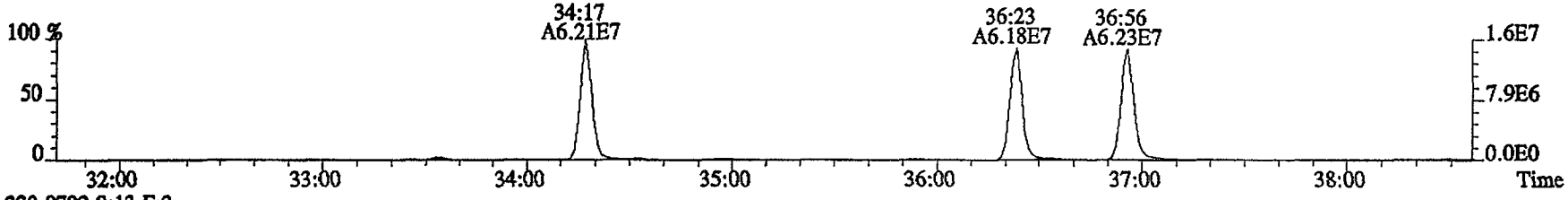
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,79540.0,0.00%,F,F)



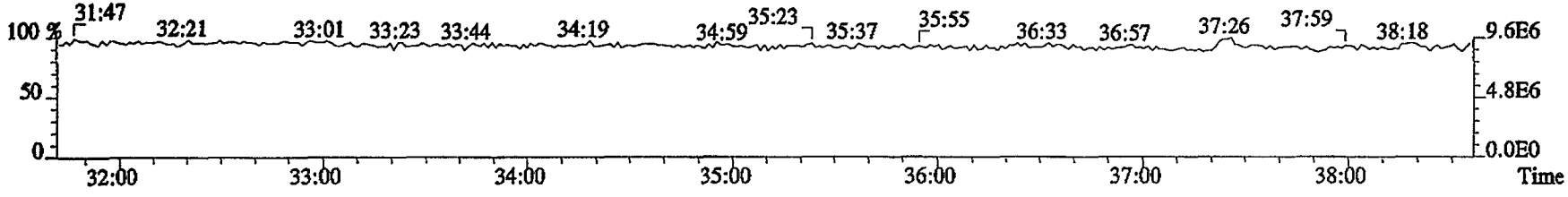
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2012.0,0.00%,F,F)



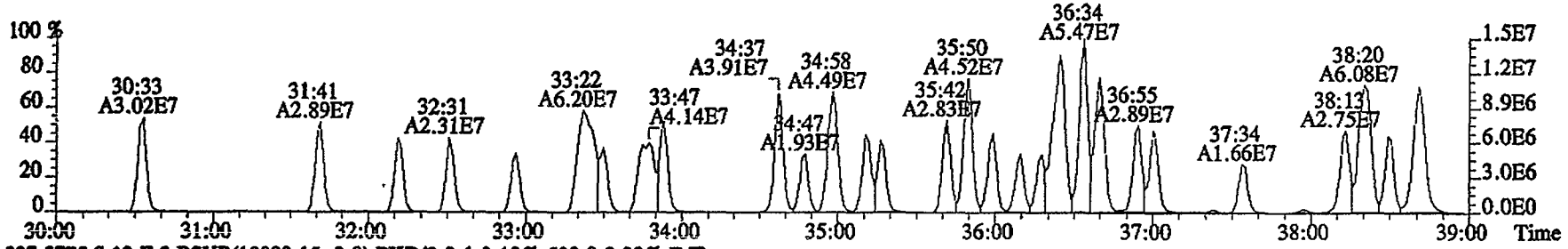
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1676.0,0.00%,F,F)



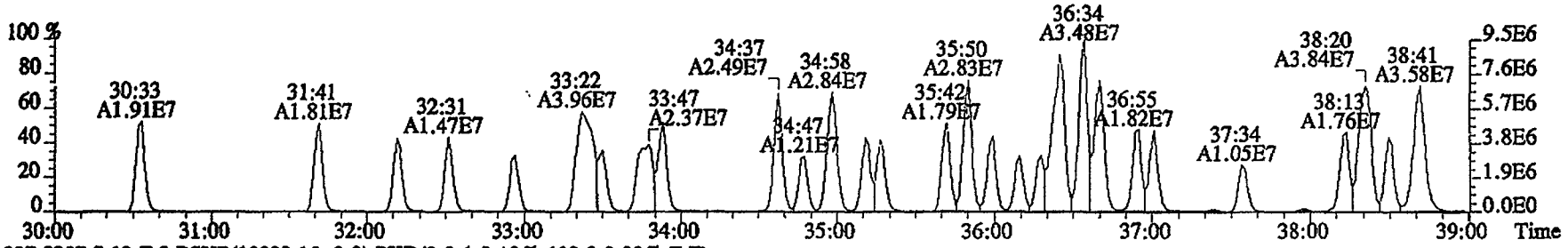
330.9792 S:13 F:3



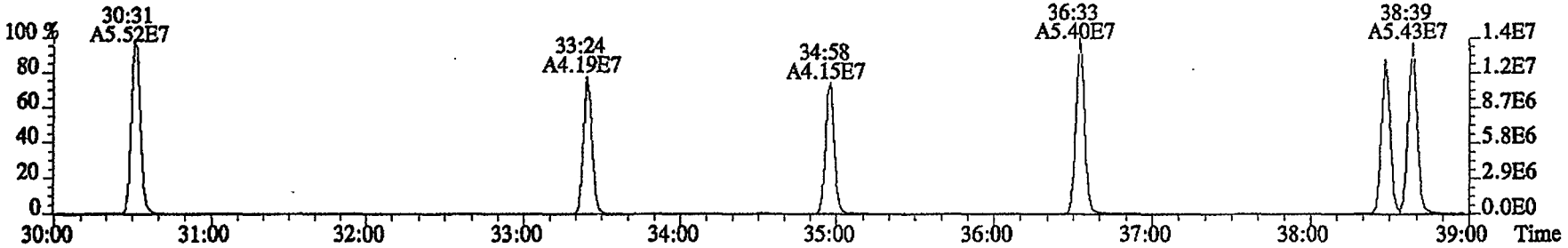
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
325.8804 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



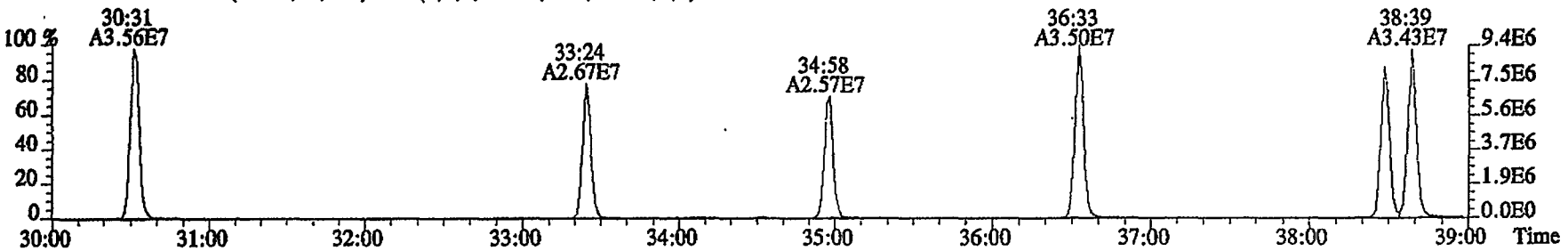
327.8775 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,528.0,0.00%,F,F)



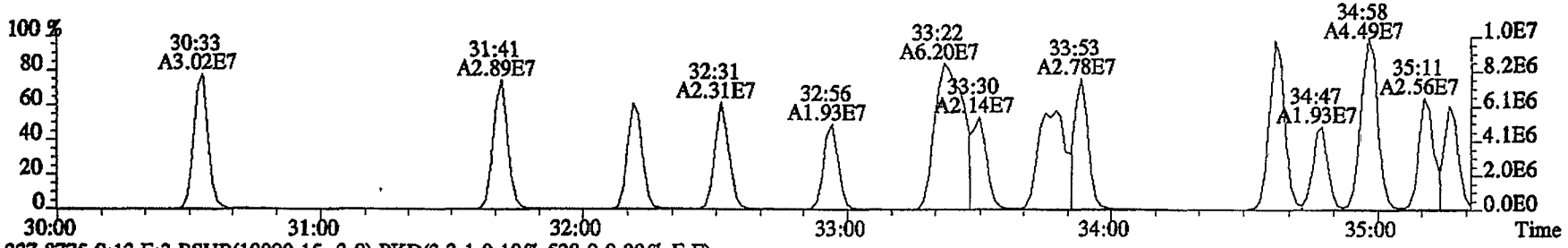
337.9207 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



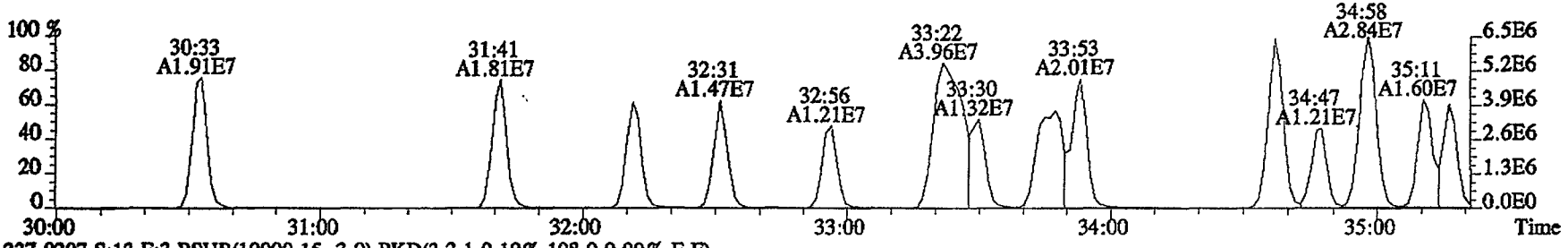
339.9177 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



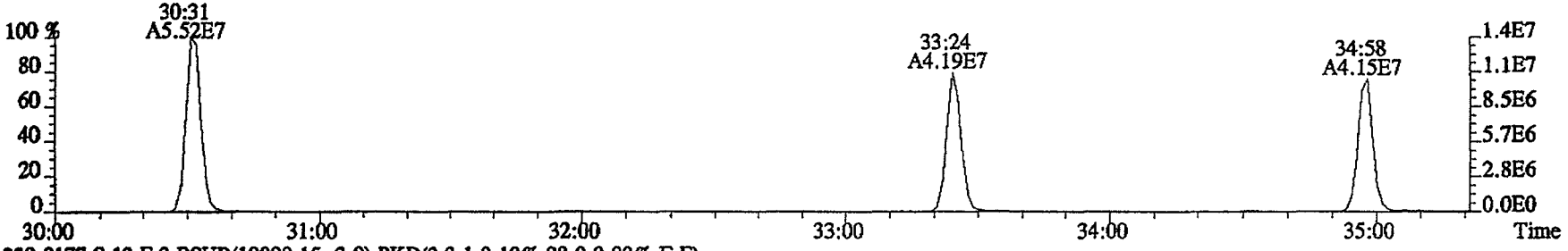
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
325.8804 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



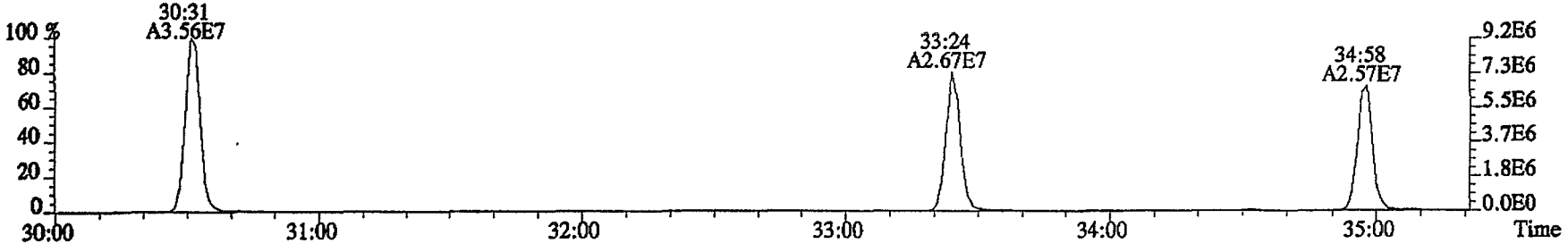
327.8775 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,528.0,0.00%,F,F)



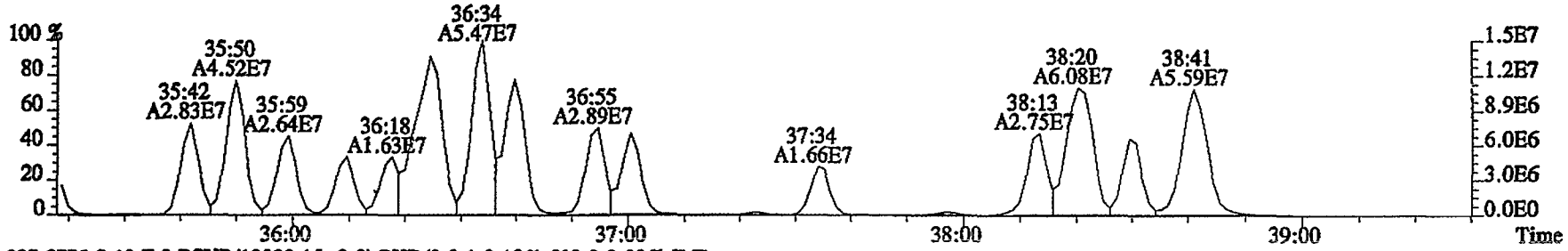
337.9207 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



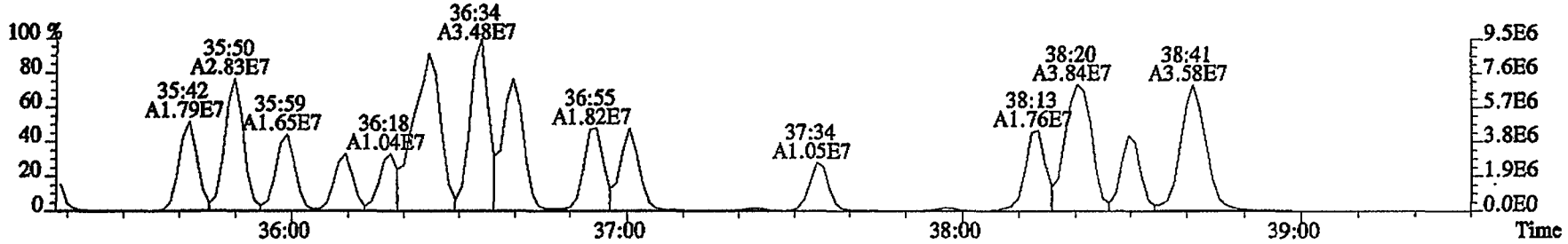
339.9177 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



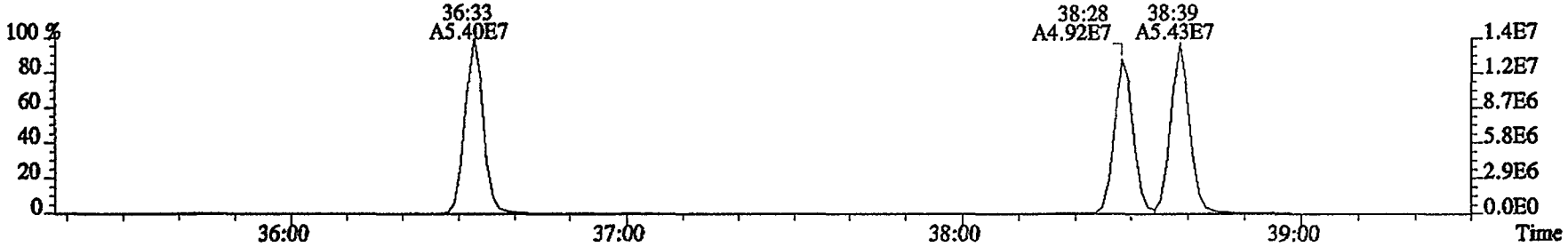
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
325.8804 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



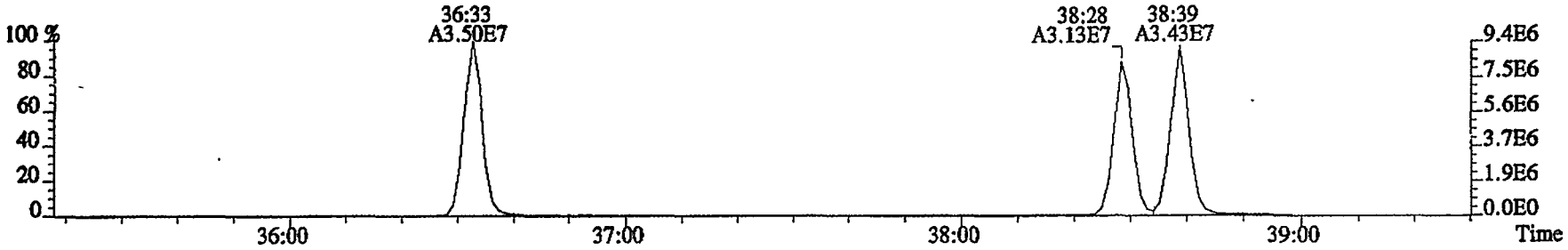
327.8775 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,528.0,0.00%,F,F)



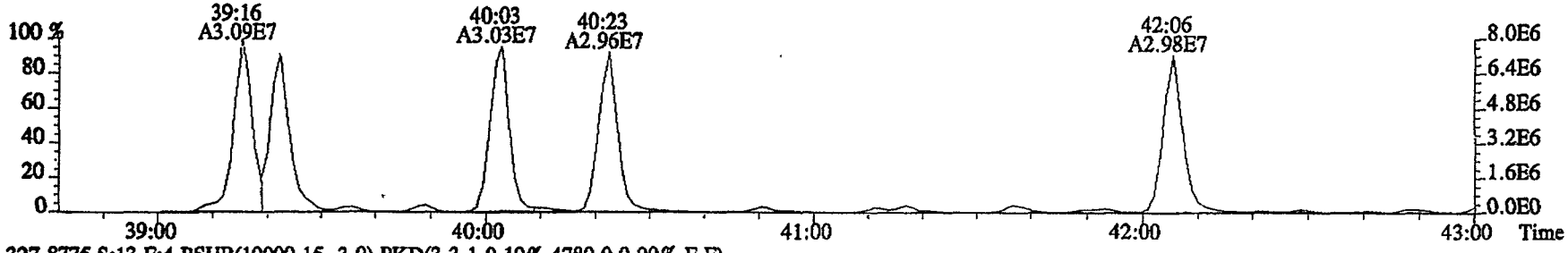
337.9207 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



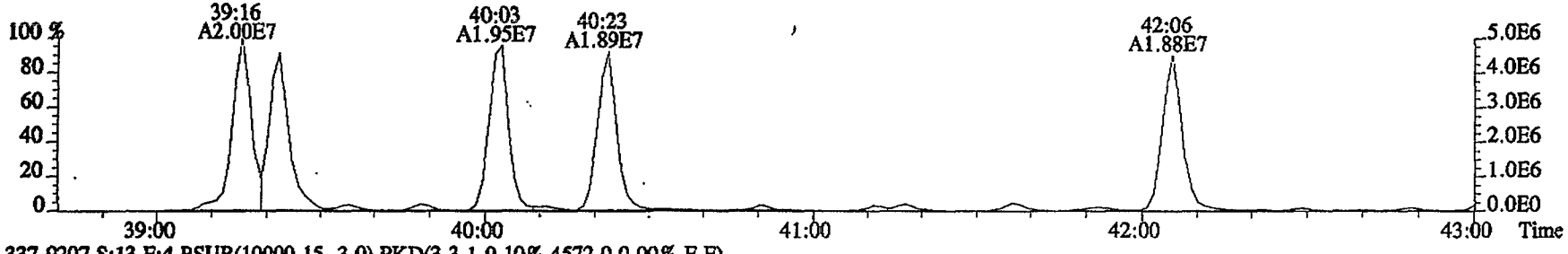
339.9177 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



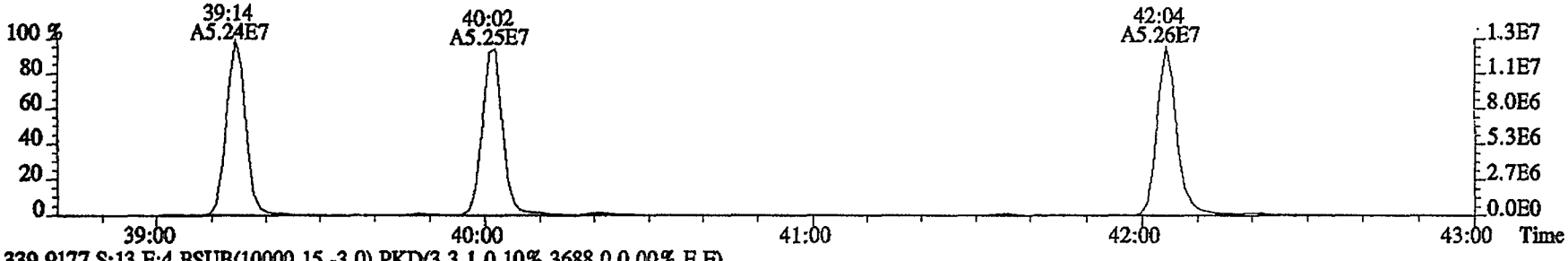
File:040519E1 #1-510 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
325.8804 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7212.0,0.00%,F,F)



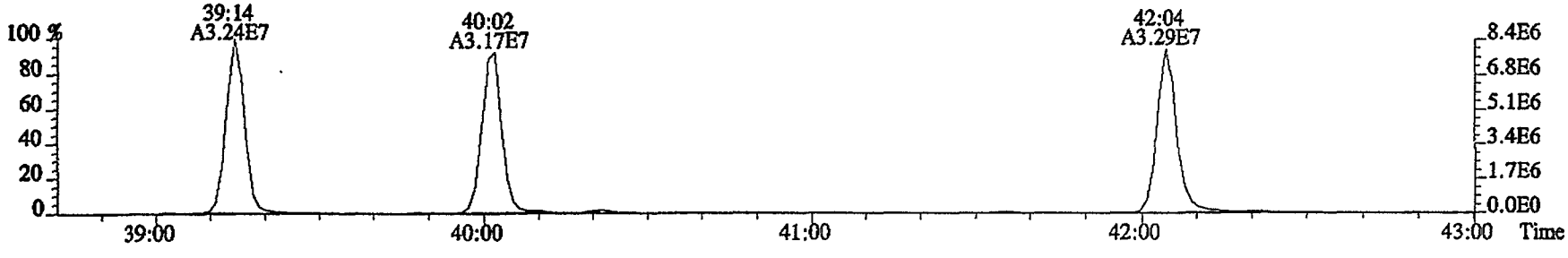
327.8775 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4780.0,0.00%,F,F)



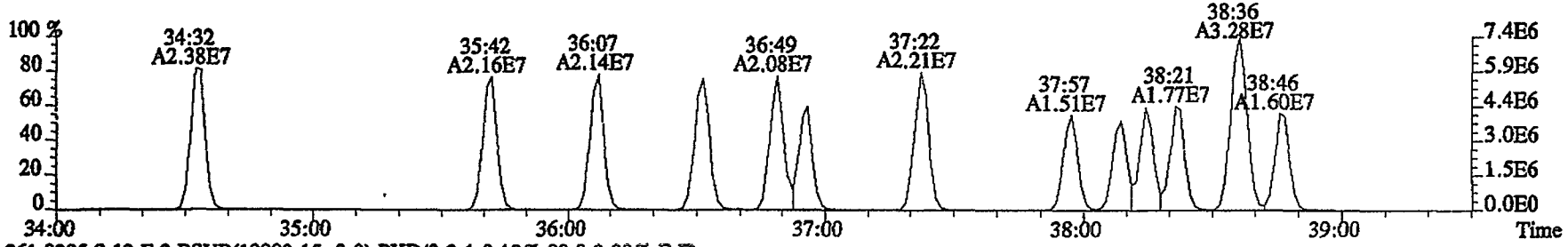
337.9207 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4572.0,0.00%,F,F)



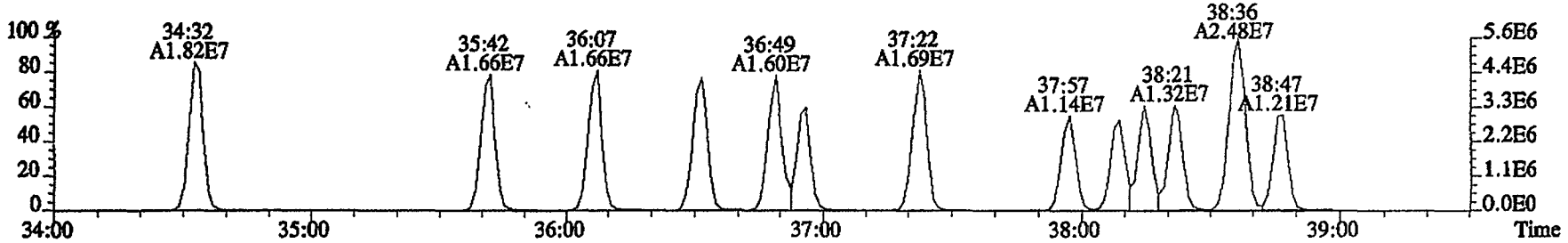
339.9177 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3688.0,0.00%,F,F)



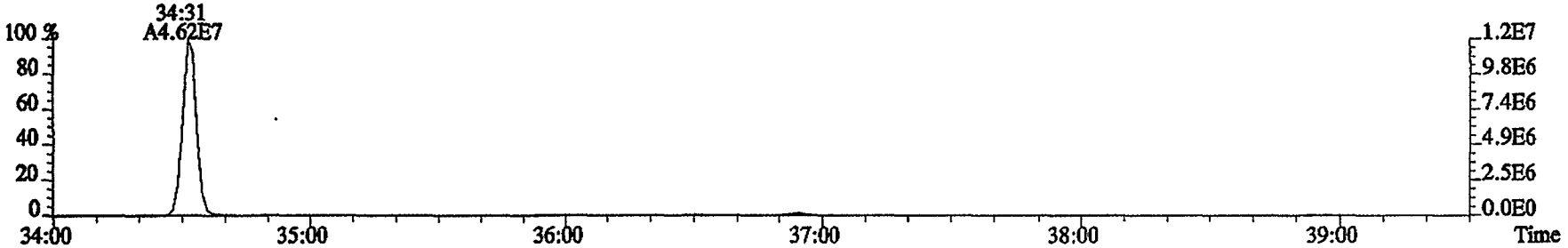
File:040519E1 #1-685 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
359.8415 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



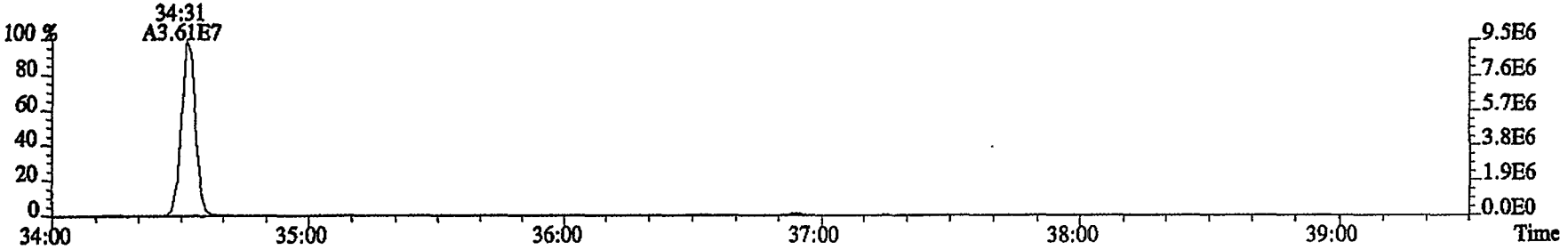
361.8385 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



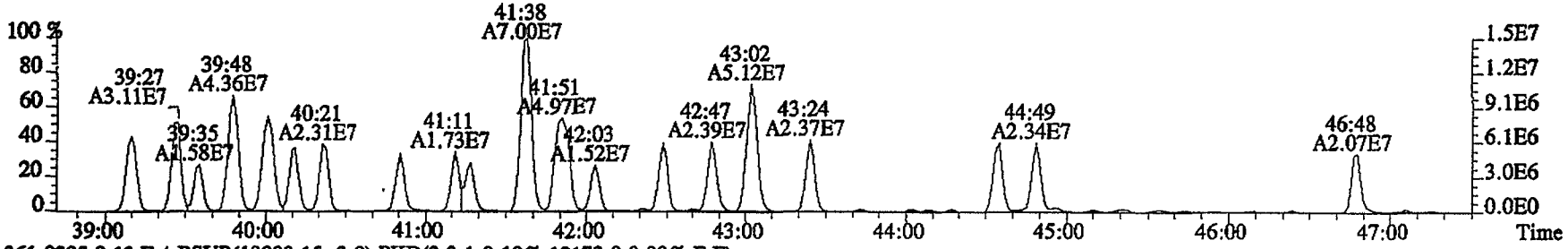
371.8817 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



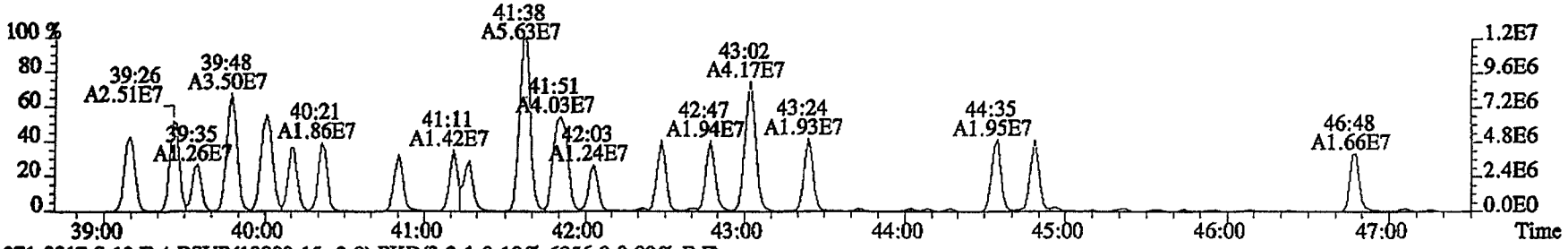
373.8788 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



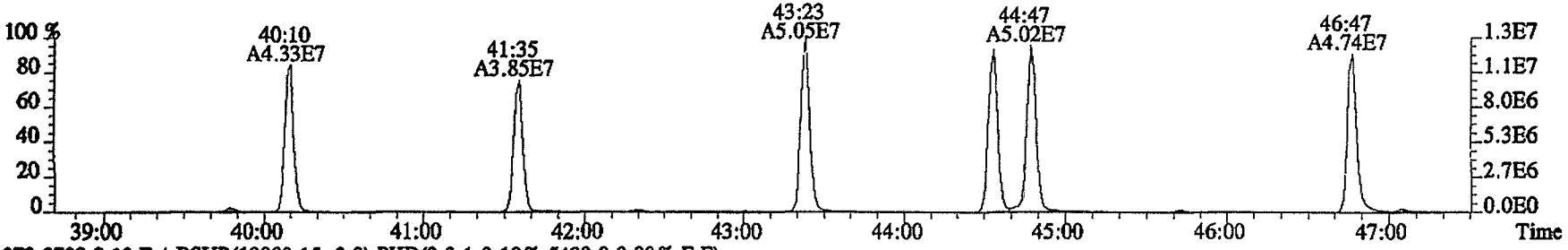
File:040519E1 #1-510 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
359.8415 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16596.0,0.00%,F,F)



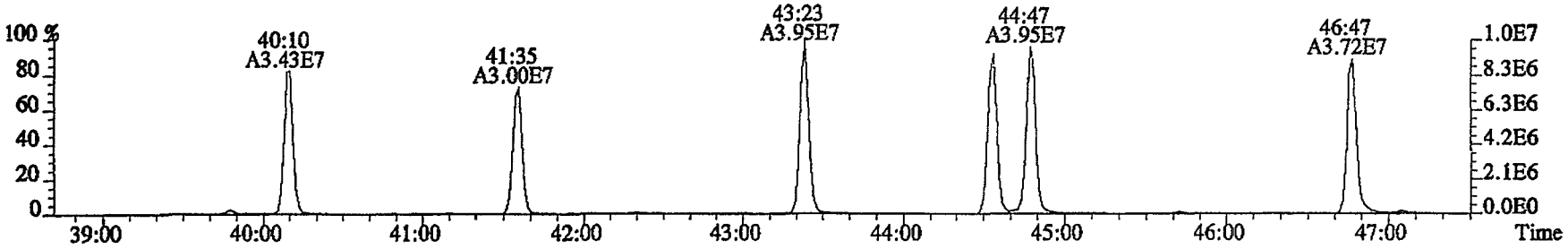
361.8385 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12172.0,0.00%,F,F)



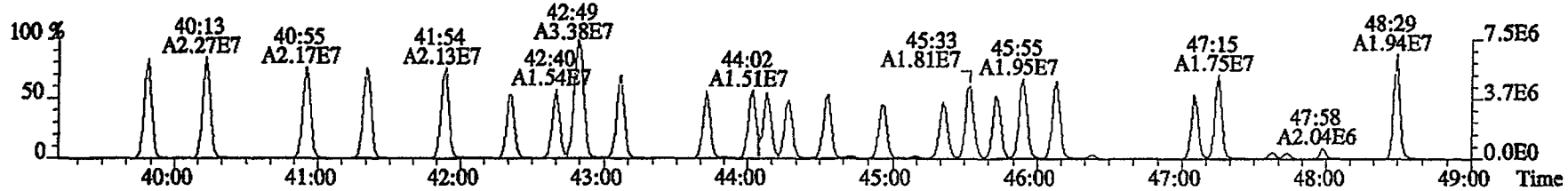
371.8817 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6856.0,0.00%,F,F)



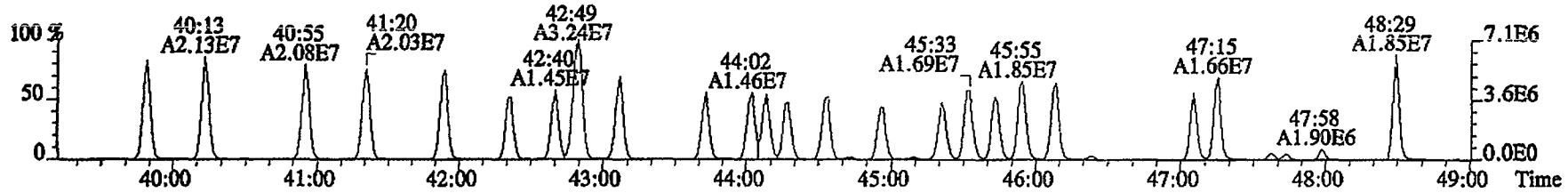
373.8788 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5480.0,0.00%,F,F)



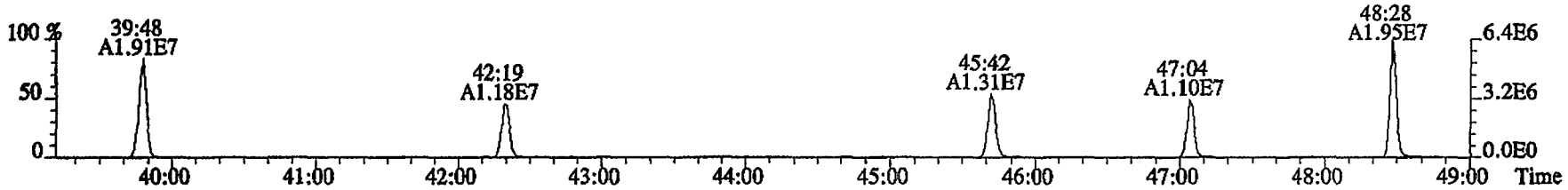
File:040519E1 #1-510 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
393.8025 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7420.0,0.00%,F,F)



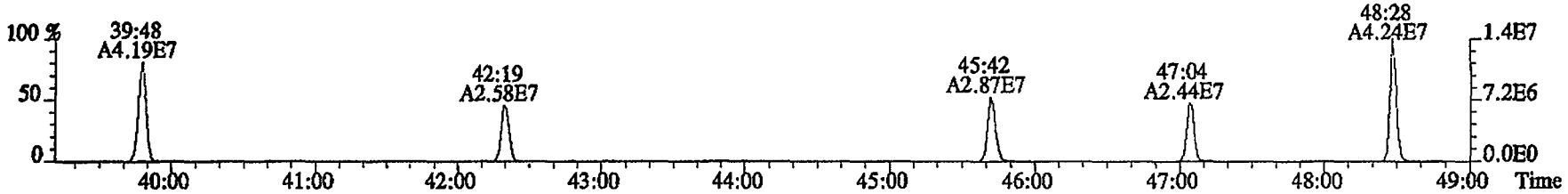
395.7995 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6988.0,0.00%,F,F)



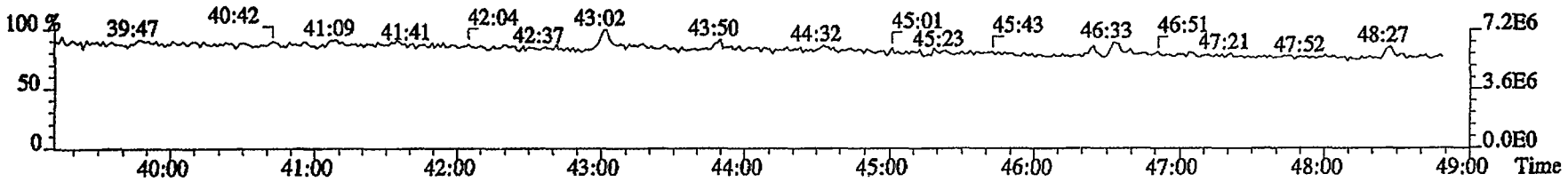
403.8457 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



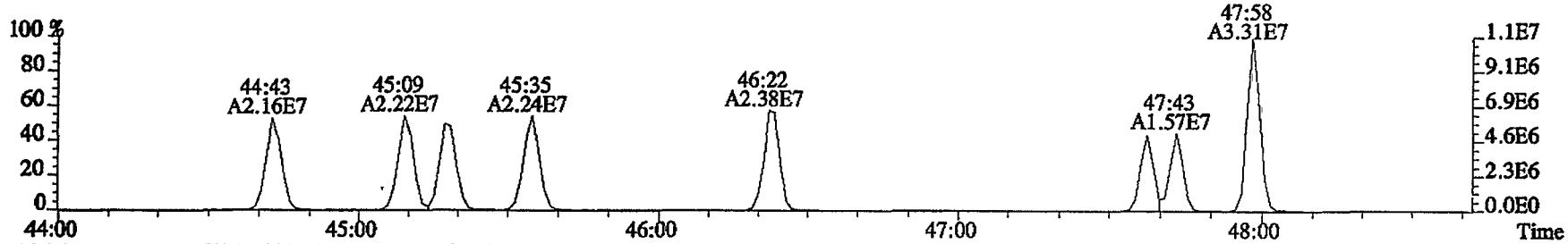
405.8428 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



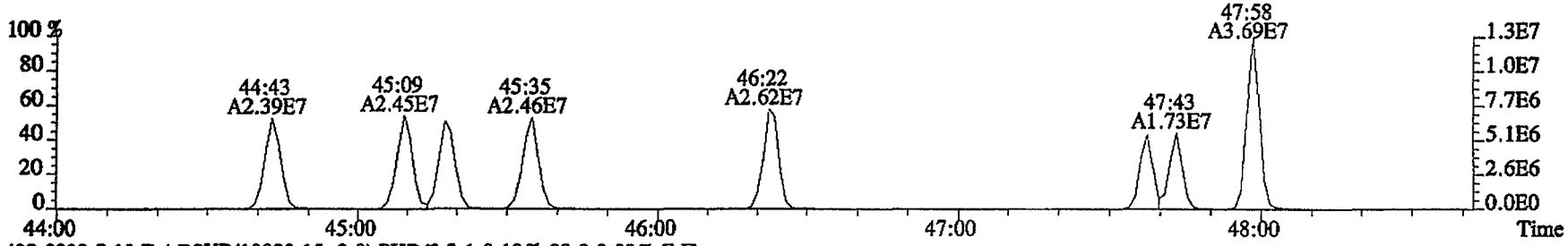
380.9760 S:13 F:4



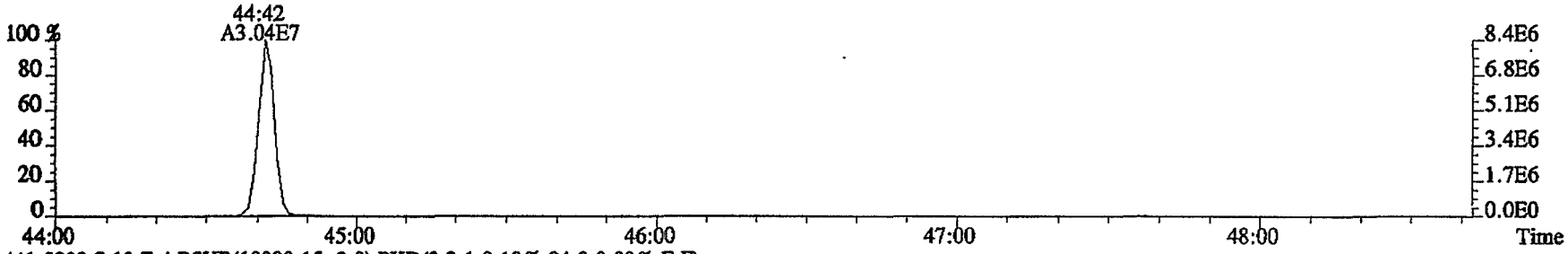
File:040519E1 #1-510 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
427.7635 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



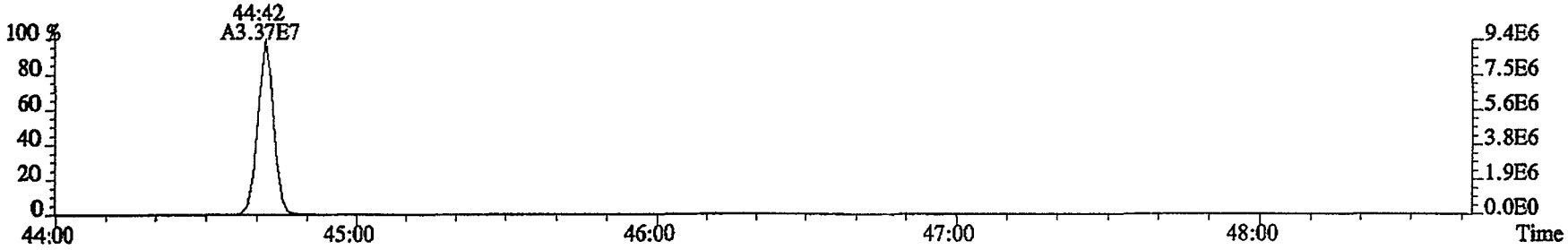
429.7606 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



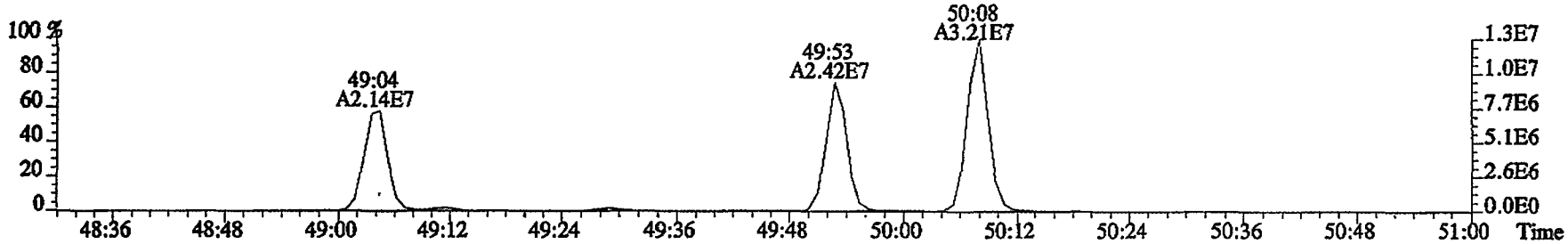
439.8038 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



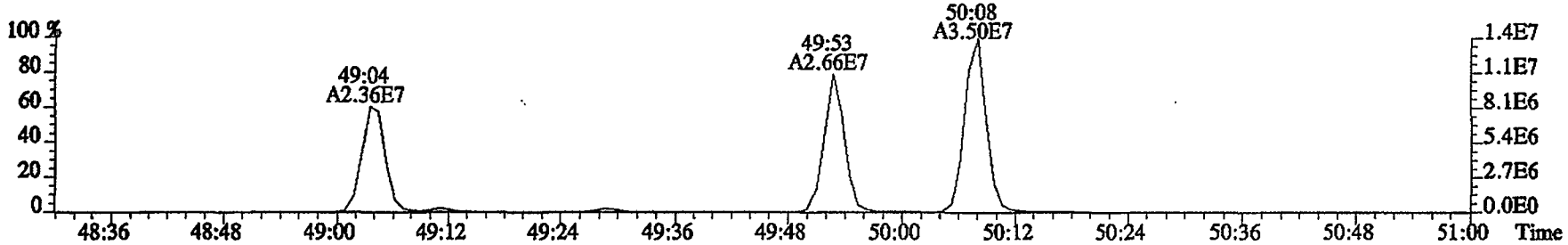
441.8008 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



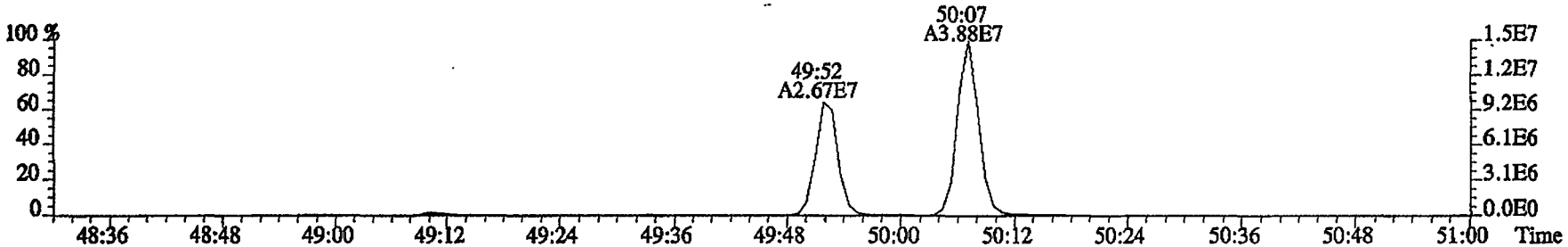
File:040519E1 #1-414 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
427.7635 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1536.0,0.00%,F,F)



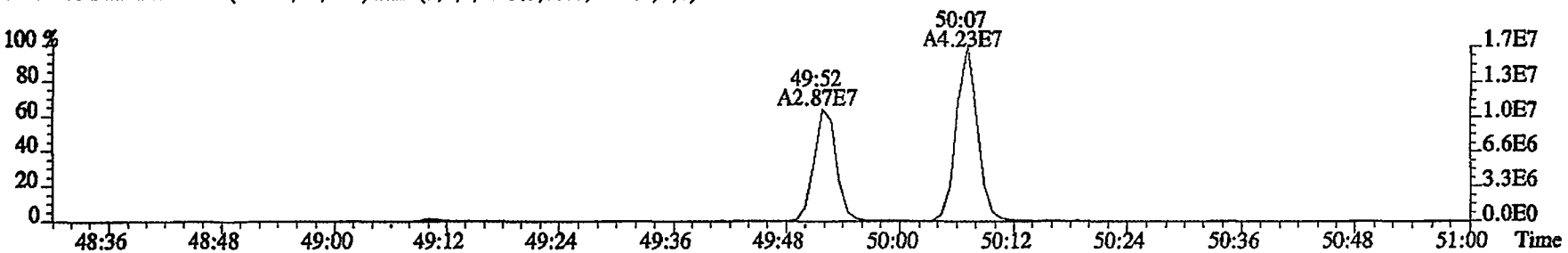
429.7606 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1452.0,0.00%,F,F)



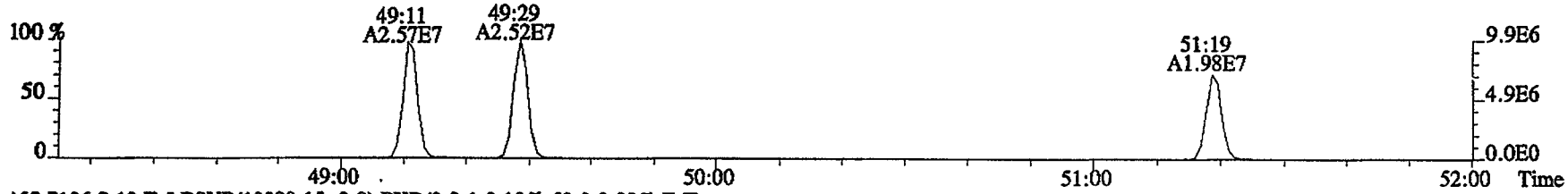
439.8038 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



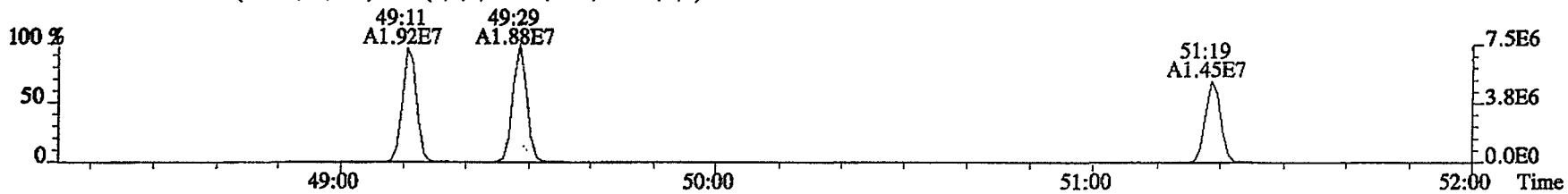
441.8008 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



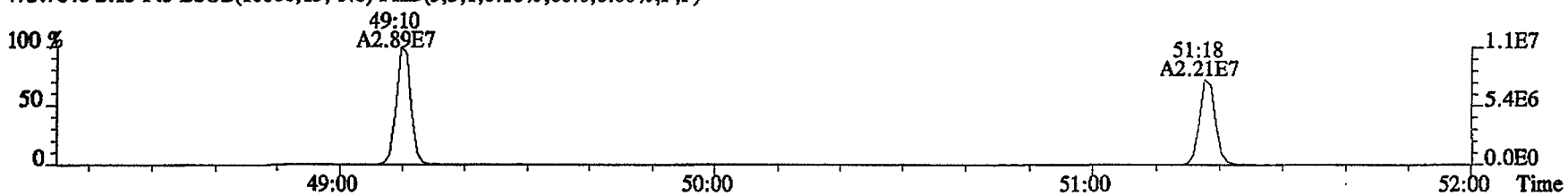
File:040519E1 #1-414 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
463.7216 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



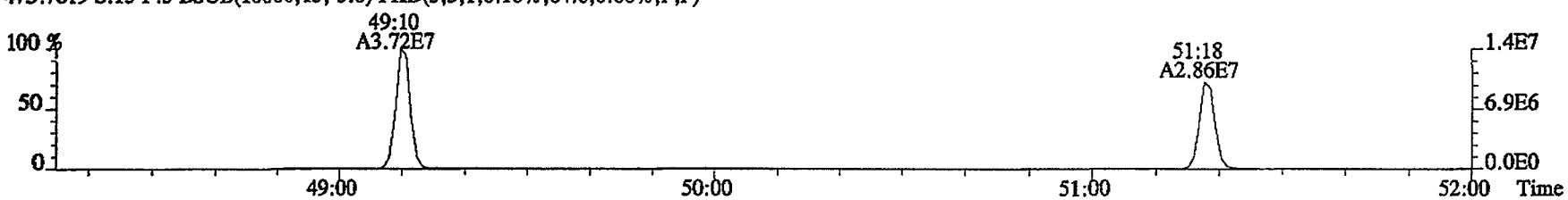
465.7186 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,52.0,0.00%,F,F)



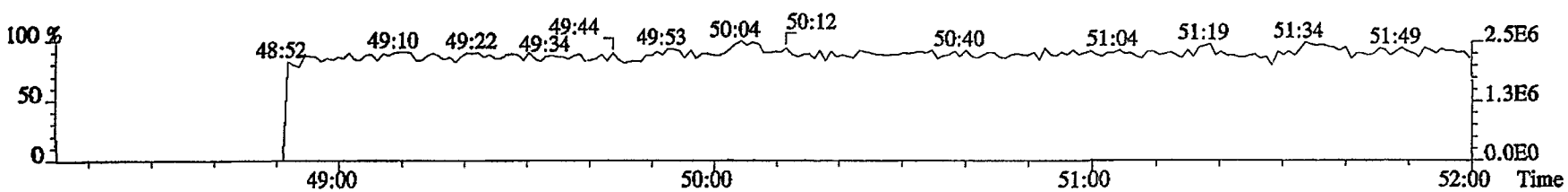
473.7648 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



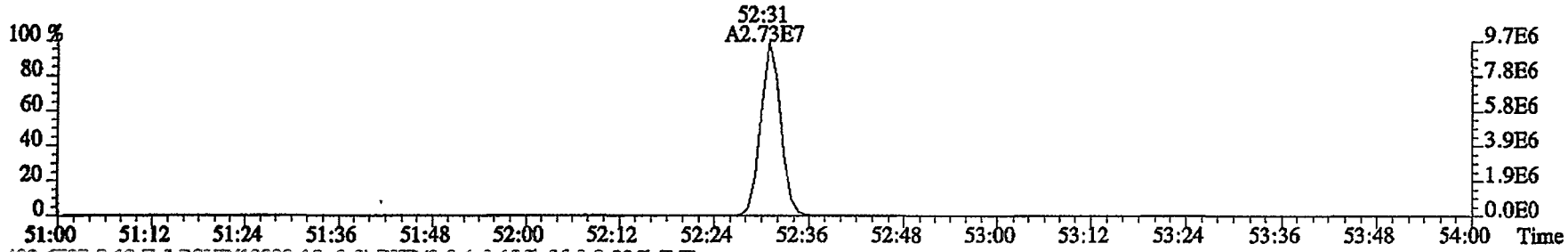
475.7619 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



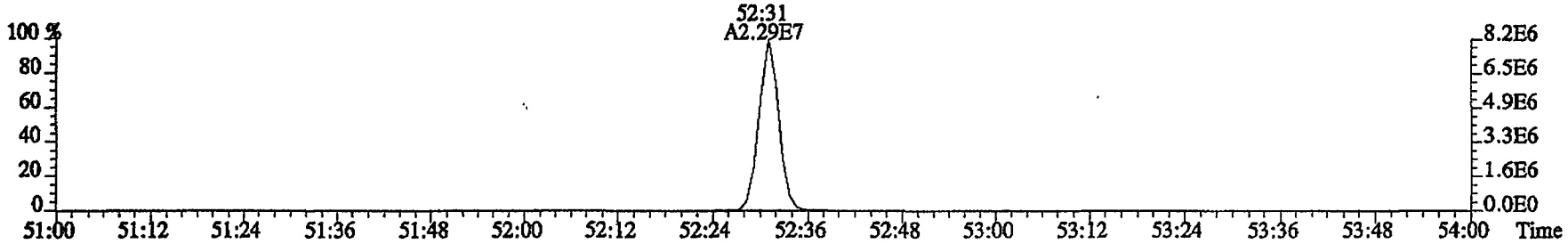
492.9697 S:13 F:5



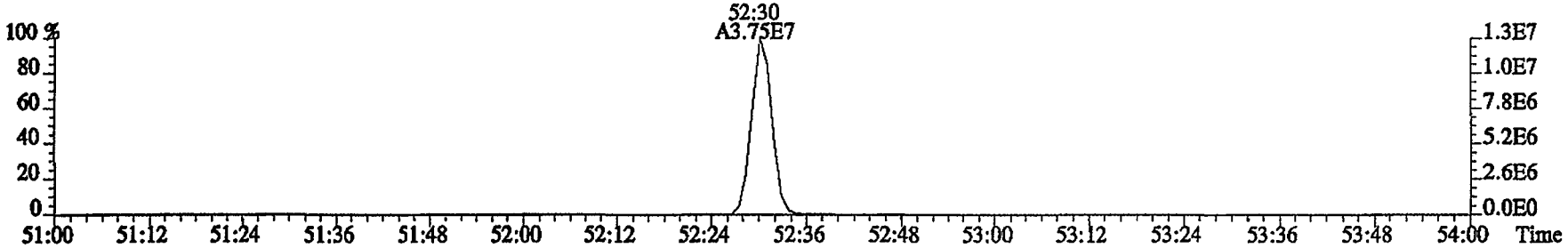
File:040519E1 #1-414 Acq:19-MAY-2004 22:58:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Alta Analytical Laboratory Text:ST040519E1-2 PCB CS3 040409C Exp:PCB_DB1
497.6826 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,56.0,0.00%,F,F)



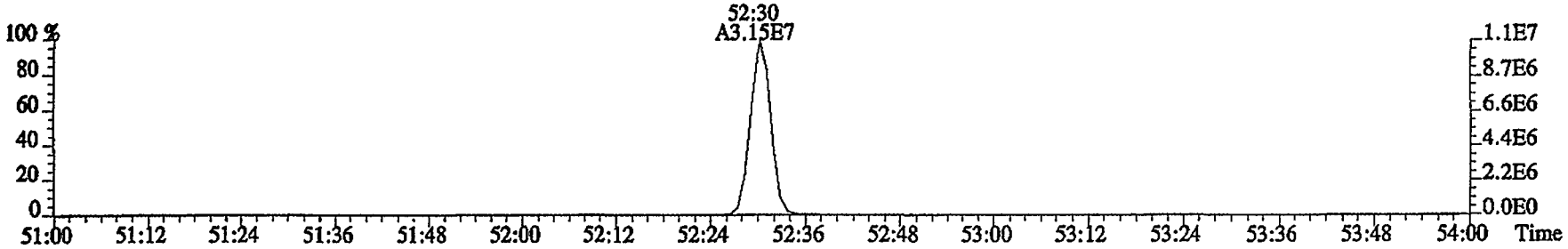
499.6797 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,56.0,0.00%,F,F)



509.7229 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)

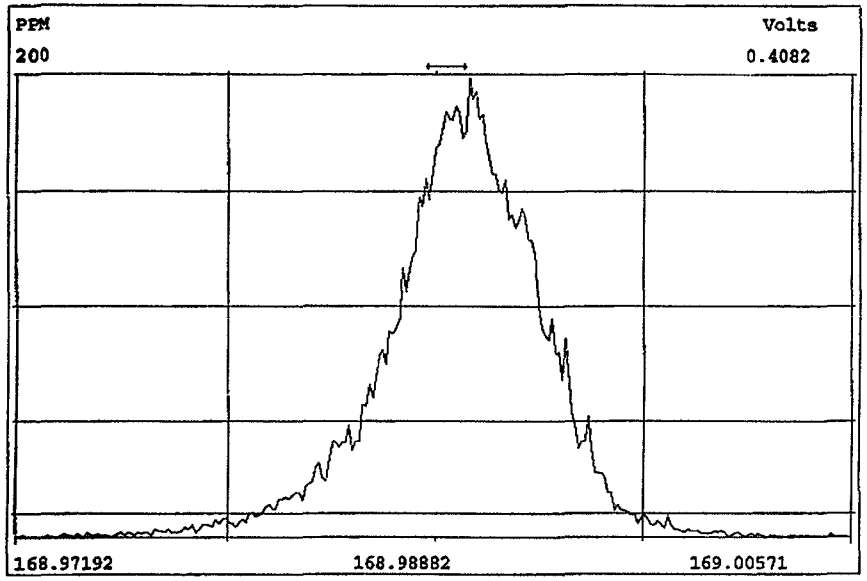


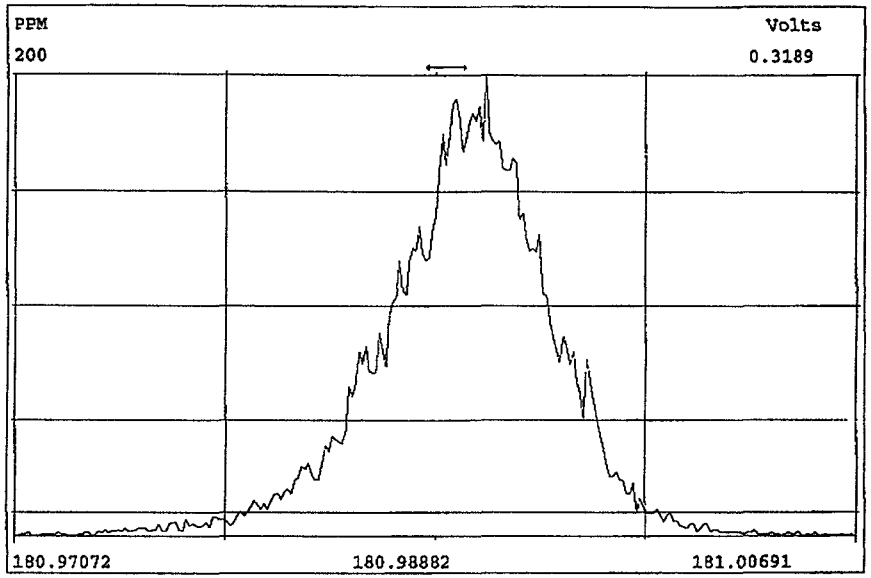
511.7199 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)

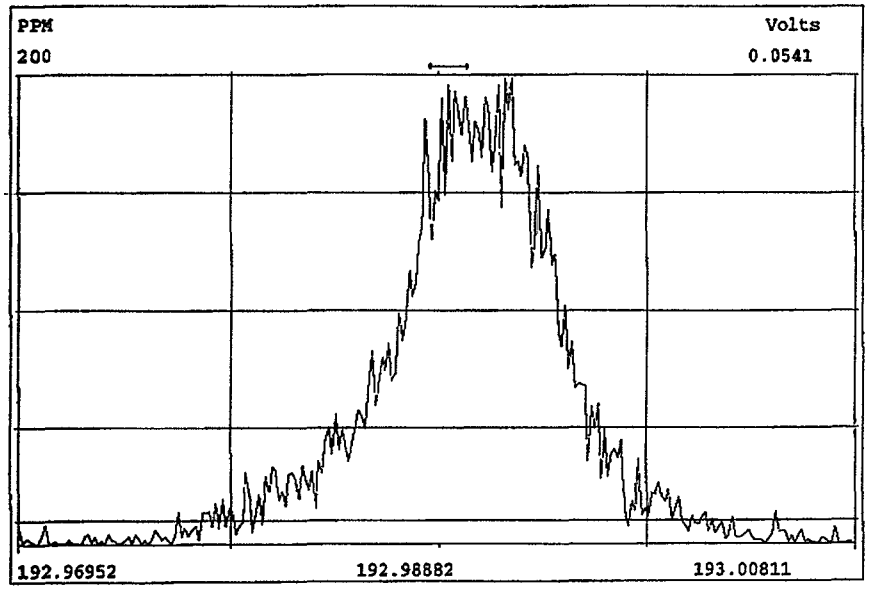


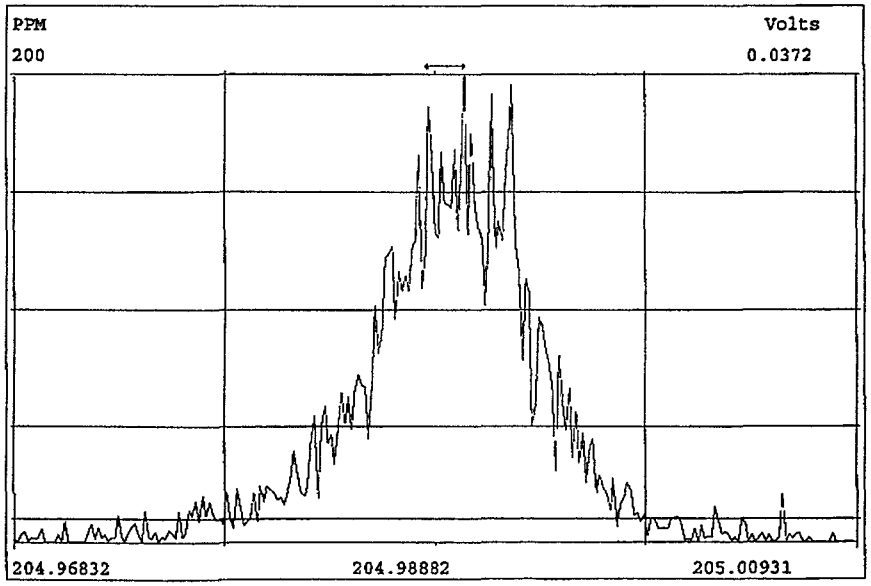
Peak Locate Examination:20-MAY-2004:00:07 File:RES_CHECK

Experiment:PCB_DB1 Function:1 Reference:PFK



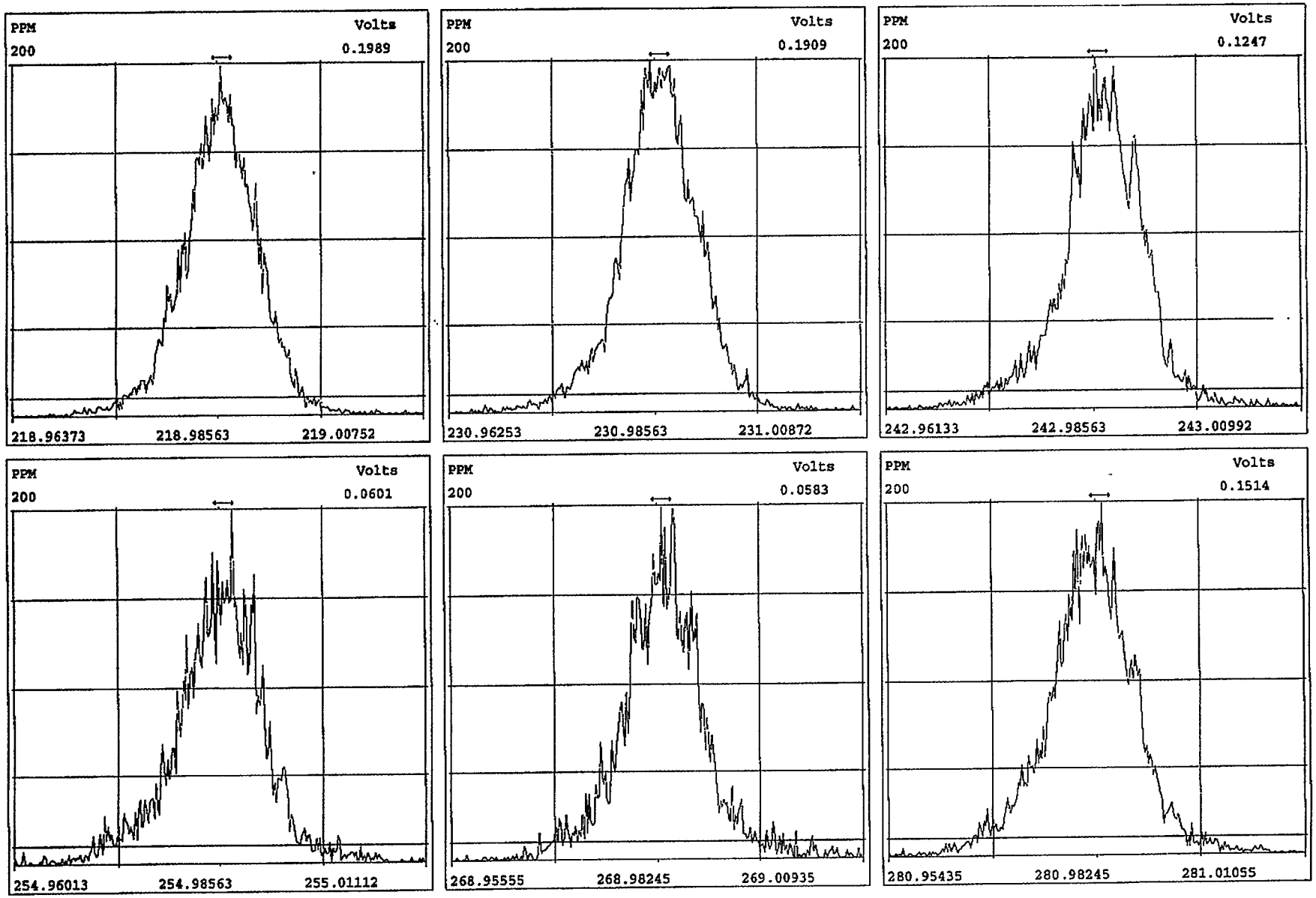






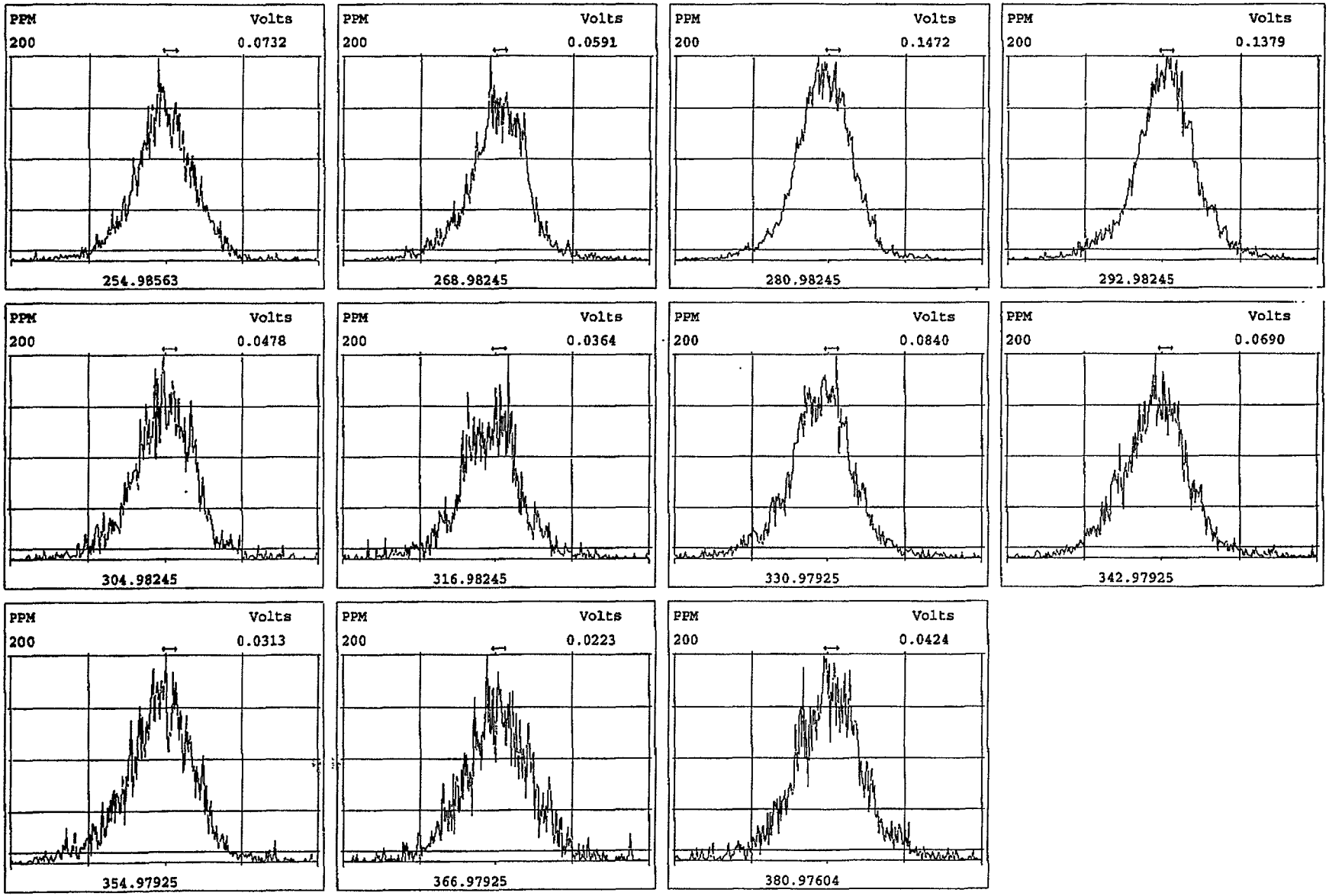
Peak Locate Examination:20-MAY-2004:00:08 File:RES_CHECK

Experiment:PCB_DB1 Function:2 Reference:PFK



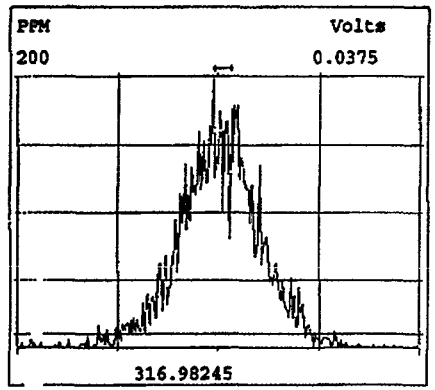
Peak Locate Examination:20-MAY-2004:00:09 File:RES_CHECK

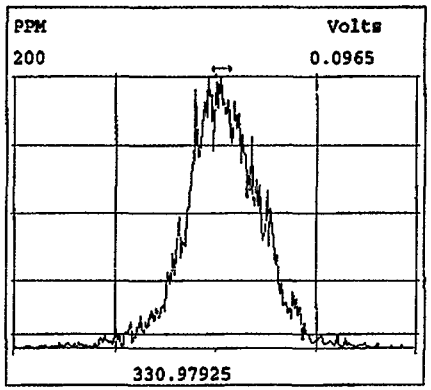
Experiment:PCB_DB1 Function:3 Reference:PFK

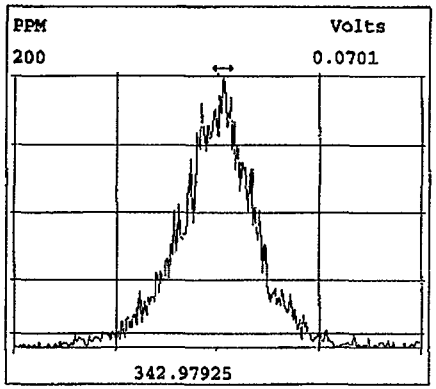


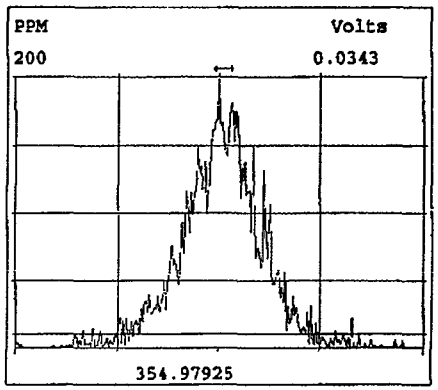
Peak Locate Examination:20-MAY-2004:00:10 File:RES_CHECK

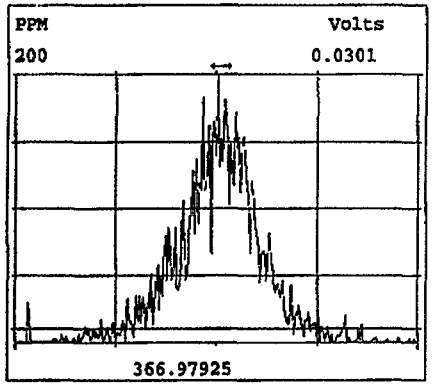
Experiment:PCB_DB1 Function:4 Reference:PFK

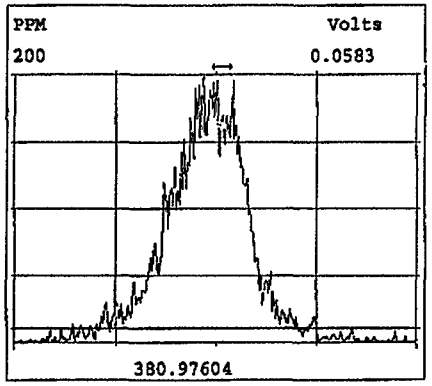


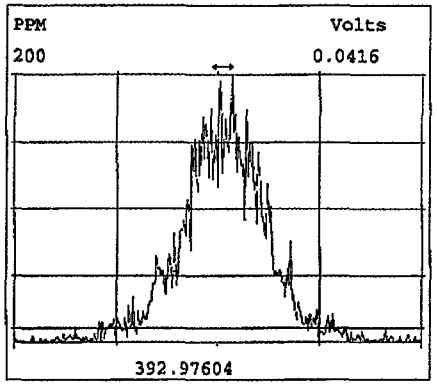


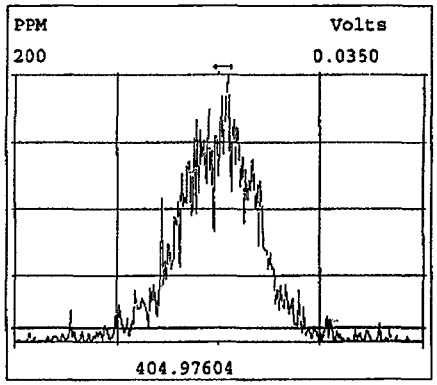


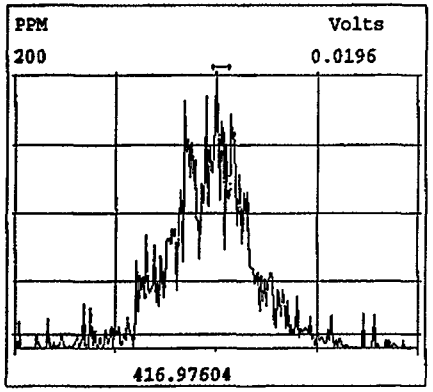


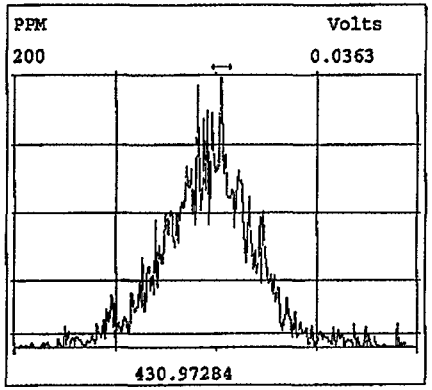


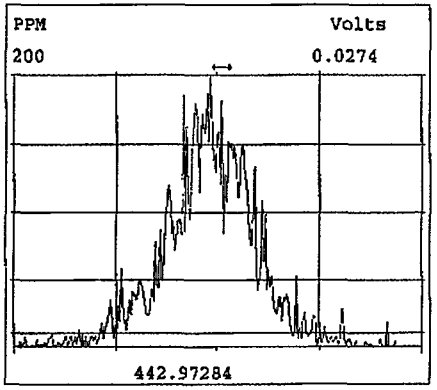






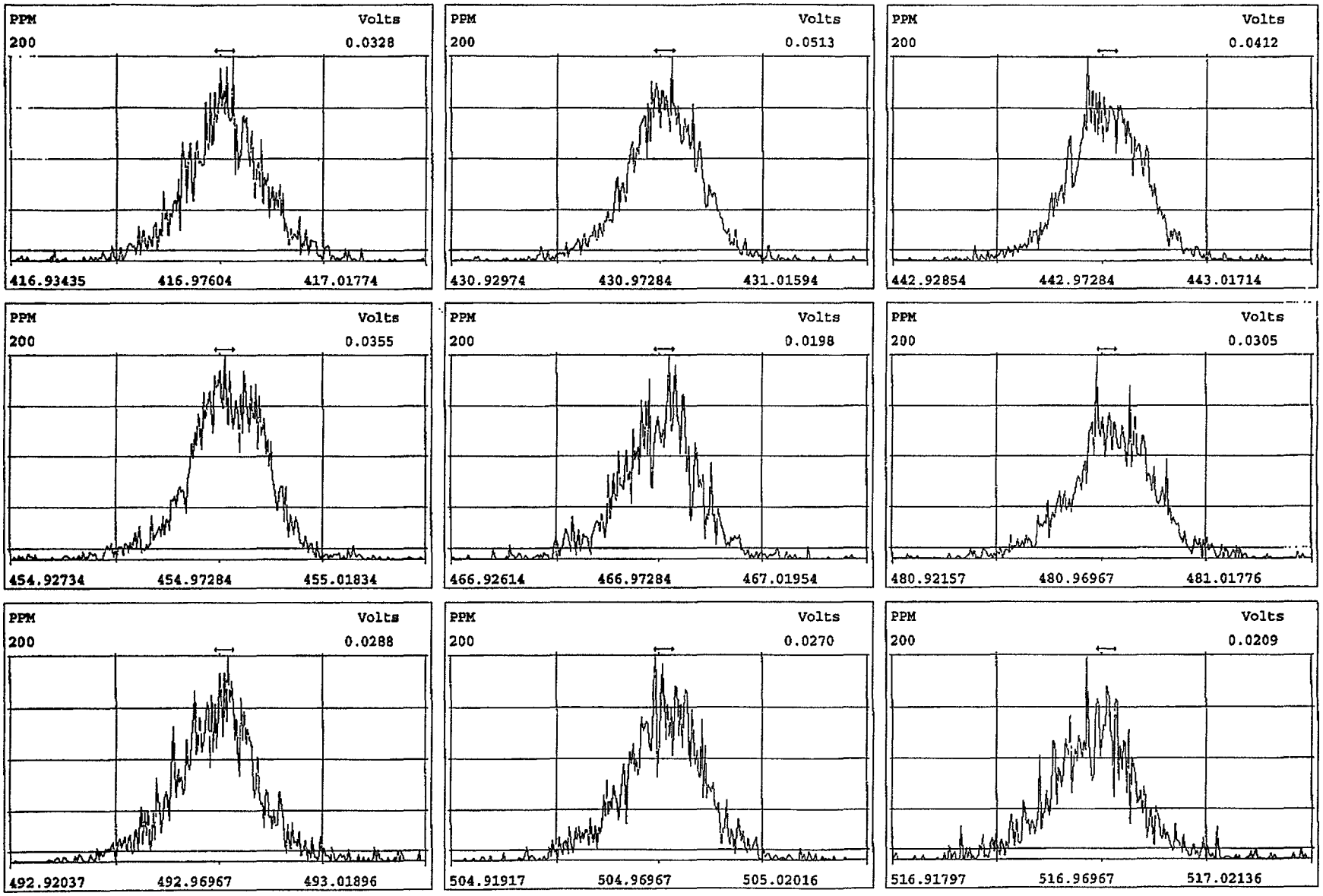






Peak Locate Examination:20-MAY-2004:00:11 File:RES_CHECK

Experiment:PCB_DB1 Function:5 Reference:PFK



SAMPLE DATA

Client ID: 0_5892_MB001 Filename: 040519E1 S:4 Acq:19-MAY-04 13:56:21 ConCal: ST040519E1-1
Lab ID: 0_5892_MB001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	*	* n	1.00	NotFnd	*	0.996-1.006	*
PCB-2	*	* n	0.84	NotFnd	*	0.984-0.994	*
PCB-3	*	* n	0.96	NotFnd	*	0.996-1.006	*
PCB-4/10	*	* n	1.81	NotFnd	*	0.998-1.008	*
PCB-7/9	*	* n	1.48	NotFnd	*	0.997-1.007	*
PCB-6	*	* n	1.48	NotFnd	*	1.027-1.037	*
PCB-5/8	*	* n	1.44	NotFnd	*	1.044-1.054	*
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	*	* n	1.45	NotFnd	*	1.148-1.159	*
PCB-12/13	*	* n	1.50	NotFnd	*	1.165-1.177	*
PCB-15	*	* n	1.70	NotFnd	*	1.180-1.192	*
PCB-19	*	* n	1.18	NotFnd	*	0.996-1.006	*
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	*	* n	0.69	NotFnd	*	0.950-0.960	*
PCB-17	*	* n	0.78	NotFnd	*	0.956-0.966	*
PCB-24/27	*	* n	0.99	NotFnd	*	0.977-0.987	*
PCB-16/32	*	* n	0.85	NotFnd	*	0.995-1.005	*
PCB-34	*	* n	1.19	NotFnd	*	0.956-0.966	*
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	*	* n	1.35	NotFnd	*	0.968-0.978	*
PCB-26	*	* n	1.28	NotFnd	*	0.975-0.985	*
PCB-25	*	* n	1.33	NotFnd	*	0.980-0.990	*
PCB-31	*	* n	1.30	NotFnd	*	0.991-1.001	*
PCB-28	*	* n	1.54	NotFnd	*	0.996-1.006	*
PCB-20/21/33	*	* n	1.27	NotFnd	*	1.016-1.026	*
PCB-22	*	* n	1.33	NotFnd	*	1.031-1.041	*
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	*	* n	1.42	NotFnd	*	0.982-0.992	*
PCB-37	*	* n	1.57	NotFnd	*	0.995-1.005	*
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	*	* n	0.71	NotFnd	*	1.059-1.069	*
PCB-51	*	* n	0.72	NotFnd	*	1.071-1.081	*
PCB-45	*	* n	0.62	NotFnd	*	1.087-1.097	*
PCB-46	*	* n	0.60	NotFnd	*	1.102-1.114	*

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	*	* n	0.81	NotFnd	*	1.119-1.131	*
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	*	* n	0.71	NotFnd	*	1.129-1.141	*
PCB-47	*	* n	0.73	NotFnd	*	1.136-1.148	*
PCB-48/75	*	* n	0.86	NotFnd	*	1.141-1.153	*
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	*	* n	0.61	NotFnd	*	1.164-1.176	*
PCB-42/59	*	* n	0.79	NotFnd	*	1.171-1.183	*
PCB-41/64/71/72	*	* n	0.88	NotFnd	*	1.193-1.205	*
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	*	* n	0.53	NotFnd	*	1.208-1.220	*
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	*	* n	1.12	NotFnd	*	0.886-0.895	*
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	*	* n	1.09	NotFnd	*	0.893-0.902	*
PCB-74	*	* n	1.15	NotFnd	*	0.900-0.909	*
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	*	* n	1.14	NotFnd	*	0.905-0.915	*
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	*	* n	1.31	NotFnd	*	0.911-0.921	*
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	*	* n	1.10	NotFnd	*	0.925-0.935	*
PCB-56/60	*	* n	1.09	NotFnd	*	0.936-0.946	*
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	*	* n	1.06	NotFnd	*	0.995-1.005	*
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	*	* n	1.09	NotFnd	*	0.995-1.005	*
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	*	* n	1.00	NotFnd	*	1.006-1.016	*
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 0_5892_MB001 Filename: 040519E1 S:4 Acq:19-MAY-04 13:56:21 ConCal: ST040519E1-1
Lab ID: 0_5892_MB001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL-UCL	Conc
PCB-84/92	*	* n	1.01	NotFnd	*	0.985-0.995	*
PCB-89	*	* n	0.96	NotFnd	*	0.990-1.000	*
PCB-90/101	*	* n	1.14	NotFnd	*	0.995-1.005	*
PCB-113	*	* n	1.19	NotFnd	*	1.001-1.011	*
PCB-99	*	* n	1.27	NotFnd	*	1.004-1.014	*
PCB-119	*	* n	1.45	NotFnd	*	1.016-1.026	*
PCB-108/112	*	* n	1.15	NotFnd	*	1.020-1.030	*
PCB-83	*	* n	1.31	NotFnd	*	1.024-1.034	*
PCB-97	*	* n	1.02	NotFnd	*	1.029-1.039	*
PCB-86	*	* n	0.91	NotFnd	*	1.032-1.042	*
B-87/117/125	*	* n	1.32	NotFnd	*	1.036-1.046	*
PCB-111/115	*	* n	1.46	NotFnd	*	1.040-1.050	*
PCB-85/116	*	* n	1.21	NotFnd	*	1.043-1.053	*
PCB-120	*	* n	1.53	NotFnd	*	1.050-1.060	*
PCB-110	*	* n	1.47	NotFnd	*	1.054-1.064	*
PCB-82	*	* n	0.70	NotFnd	*	0.972-0.982	*
PCB-124	*	* n	1.17	NotFnd	*	0.988-0.998	*
PCB-107/109	*	* n	1.21	NotFnd	*	0.991-1.001	*
PCB-123	*	* n	1.15	NotFnd	*	0.995-1.005	*
PCB-106/118	*	* n	1.06	NotFnd	*	0.996-1.006	*
PCB-114	*	* n	1.40	NotFnd	*	0.995-1.005	*
PCB-122	*	* n	1.45	NotFnd	*	0.979-0.989	*
PCB-105	*	* n	1.44	NotFnd	*	0.996-1.006	*
PCB-127	*	* n	1.35	NotFnd	*	1.004-1.014	*
PCB-126	*	* n	1.41	NotFnd	*	0.995-1.005	*
PCB-155	*	* n	1.12	NotFnd	*	0.995-1.005	*
PCB-150	*	* n	1.04	NotFnd	*	1.028-1.038	*
PCB-152	*	* n	1.03	NotFnd	*	1.041-1.051	*
PCB-145	*	* n	1.02	NotFnd	*	1.052-1.062	*
PCB-136	*	* n	1.00	NotFnd	*	1.061-1.071	*
PCB-148	*	* n	0.79	NotFnd	*	1.064-1.074	*
PCB-154	*	* n	0.92	NotFnd	*	1.077-1.087	*
PCB-151	*	* n	0.72	NotFnd	*	1.094-1.104	*
PCB-135	*	* n	0.70	NotFnd	*	1.098-1.110	*
PCB-144	*	* n	0.77	NotFnd	*	1.101-1.113	*
PCB-147	*	* n	0.83	NotFnd	*	1.105-1.117	*
PCB-139/149	*	* n	0.80	NotFnd	*	1.112-1.124	*

Name	Resp	RA	RRF	RT	RRT	LCL-UCL	Conc
PCB-140	*	* n	0.80	NotFnd	*	1.117-1.129	*
PCB-134/143	*	* n	0.74	NotFnd	*	1.128-1.140	*
PCB-133/142	*	* n	0.74	NotFnd	*	1.136-1.148	*
PCB-131	*	* n	0.72	NotFnd	*	1.140-1.152	*
PCB-146/165	*	* n	1.01	NotFnd	*	0.986-0.996	*
PCB-132/161	*	* n	0.96	NotFnd	*	0.991-1.001	*
PCB-153	*	* n	1.03	NotFnd	*	0.995-1.005	*
PCB-168	*	* n	1.11	NotFnd	*	1.000-1.010	*
PCB-141	*	* n	0.89	NotFnd	*	1.012-1.022	*
PCB-137	*	* n	0.84	NotFnd	*	1.021-1.031	*
PCB-130	*	* n	0.77	NotFnd	*	1.023-1.033	*
PCB-138/163/164	*	* n	1.09	NotFnd	*	1.032-1.042	*
PCB-158/160	*	* n	1.16	NotFnd	*	1.037-1.047	*
PCB-129	*	* n	0.73	NotFnd	*	1.042-1.052	*
PCB-166	*	* n	0.93	NotFnd	*	0.974-0.984	*
PCB-159	*	* n	0.99	NotFnd	*	0.981-0.991	*
PCB-128/162	*	* n	0.84	NotFnd	*	0.987-0.997	*
PCB-167	*	* n	0.97	NotFnd	*	0.995-1.005	*
PCB-156	*	* n	1.04	NotFnd	*	0.995-1.005	*
PCB-157	*	* n	0.96	NotFnd	*	0.996-1.006	*
PCB-169	*	* n	0.96	NotFnd	*	0.995-1.005	*
PCB-188	*	* n	1.47	NotFnd	*	0.995-1.005	*
PCB-184	*	* n	1.48	NotFnd	*	1.005-1.015	*
PCB-179	*	* n	1.38	NotFnd	*	1.023-1.033	*
PCB-176	*	* n	1.34	NotFnd	*	1.034-1.044	*
PCB-186	*	* n	1.38	NotFnd	*	1.048-1.058	*
PCB-178	*	* n	0.99	NotFnd	*	1.059-1.069	*
PCB-175	*	* n	0.98	NotFnd	*	1.067-1.077	*
PCB-182/187	*	* n	1.16	NotFnd	*	1.071-1.081	*
PCB-183	*	* n	1.12	NotFnd	*	1.078-1.088	*
PCB-185	*	* n	1.38	NotFnd	*	0.952-0.962	*
PCB-174	*	* n	1.46	NotFnd	*	0.959-0.969	*
PCB-181	*	* n	1.42	NotFnd	*	0.961-0.971	*
PCB-177	*	* n	1.35	NotFnd	*	0.964-0.974	*
PCB-171	*	* n	1.45	NotFnd	*	0.970-0.980	*
PCB-173	*	* n	1.29	NotFnd	*	0.978-0.988	*
PCB-172	*	* n	1.30	NotFnd	*	0.987-0.997	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 0_5892_MB001 Filename: 040519E1 S:4 Acq:19-MAY-04 13:56:21 ConCal: ST040519E1-1
Lab ID: 0_5892_MB001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
	PCB-192	*	*	n	1.70	NotFnd	*	0.991	1.001	*
	PCB-180	*	*	n	1.50	NotFnd	*	0.995	1.005	*
	PCB-193	*	*	n	1.94	NotFnd	*	0.999	1.009	*
	PCB-191	*	*	n	1.79	NotFnd	*	1.004	1.014	*
	PCB-170	*	*	n	1.53	NotFnd	*	0.995	1.005	*
	PCB-190	*	*	n	2.02	NotFnd	*	0.999	1.009	*
	PCB-189	*	*	n	1.42	NotFnd	*	0.995	1.005	*
	PCB-202	*	*	n	1.00	NotFnd	*	0.996	1.006	*
	PCB-201	*	*	n	0.99	NotFnd	*	1.005	1.015	*
	PCB-204	*	*	n	1.02	NotFnd	*	1.008	1.018	*
	PCB-197	*	*	n	1.04	NotFnd	*	1.014	1.025	*
	PCB-200	*	*	n	0.98	NotFnd	*	1.032	1.042	*
	PCB-198	*	*	n	0.68	NotFnd	*	1.060	1.070	*
	PCB-199	*	*	n	0.74	NotFnd	*	1.062	1.072	*
-	PCB-196/203	*	*	n	0.79	NotFnd	*	1.068	1.078	*
-	PCB-195	*	*	n	1.18	NotFnd	*	0.979	0.989	*
	PCB-194	*	*	n	1.28	NotFnd	*	0.995	1.005	*
	PCB-205	*	*	n	1.67	NotFnd	*	1.000	1.010	*
	PCB-208	*	*	n	0.94	NotFnd	*	0.995	1.005	*
	PCB-207	*	*	n	0.84	NotFnd	*	1.001	1.014	*
	PCB-206	*	*	n	0.88	NotFnd	*	0.995	1.005	*
	PCB-209	*	*	n	1.11	NotFnd	*	0.995	1.005	*

Name	Resp	RA		RT	RRF	Conc	
Total Mono-PCB	*	*	n	NotFnd	0.93	*	
Total Di-PCB	*	*	n	NotFnd	1.51	*	
Total Tri-PCB	*	*	n	NotFnd	0.99	*	
Total Tri-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Tetra-PCB	*	*	n	NotFnd	0.81	*	
Total Penta-PCB	*	*	n	NotFnd	1.10	*	
Total Penta-PCB	*	*	n	NotFnd	1.41	*	Sum:0.00
Total Hexa-PCB	*	*	n	NotFnd	0.88	*	
Total Hexa-PCB	*	*	n	NotFnd	0.92	*	Sum:0.00
Total Hepta-PCB	*	*	n	NotFnd	1.37	*	
Total Octa-PCB	*	*	n	NotFnd	0.89	*	
Total Octa-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	*	n	NotFnd	0.89	*	
Total Deca-PCB	*	*	n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng
RL: DI, TETRA - HEPTA: 0.100 ng
RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]
Date: 5-20-04

Client ID: 0_5892_MB001 Filename: 040519E1 S:4 Acq:19-MAY-04 13:56:21 ConCal: ST040519E1-1

Lab ID: 0_5892_MB001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

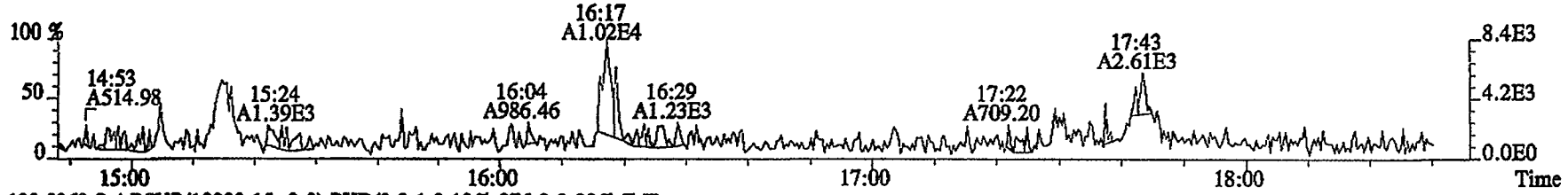
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	5.73e+07	3.17 y	1.09	15:14	0.624	0.624-0.630	9.62	48.1
13C-PCB-3	6.98e+07	3.17 y	1.24	17:43	0.726	0.723-0.731	10.2	51.2
13C-PCB-4	3.02e+07	1.58 y	0.59	18:56	0.776	0.774-0.782	9.36	46.8
13C-PCB-9	4.88e+07	1.59 y	0.90	20:37	0.845	0.842-0.850	9.89	49.5
13C-PCB-19	3.37e+07	1.02 y	0.70	22:47	0.838	0.835-0.843	10.4	52.0
13C-PCB-28	5.83e+07	1.07 y	1.09	27:17	1.004	0.998-1.008	11.5	57.5
13C-PCB-32	6.10e+07	1.04 y	1.18	25:28	0.937	0.932-0.942	11.2	55.8
13C-PCB-37	4.95e+07	1.07 y	0.93	30:51	1.135	1.128-1.140	11.5	57.4
13C-PCB-54	4.91e+07	0.80 y	1.15	26:14	0.765	0.762-0.770	10.6	53.0
13C-PCB-77	4.67e+07	0.79 y	1.01	36:57	1.077	1.071-1.081	11.5	57.3
13C-PCB-81	4.63e+07	0.81 y	0.98	36:24	1.061	1.056-1.066	11.7	58.7
13C-PCB-95	2.75e+07	1.58 y	0.73	33:25	0.914	0.910-0.920	12.2	61.0
13C-PCB-101	2.79e+07	1.62 y	0.73	34:58	0.956	0.952-0.962	12.3	61.4
13C-PCB-104	3.68e+07	1.58 y	0.93	30:32	0.835	0.832-0.840	12.7	63.4
13C-PCB-105	3.42e+07	1.63 y	1.09	40:02	0.962	0.957-0.967	14.0	69.8
13C-PCB-114	3.34e+07	1.57 y	1.13	39:15	0.944	0.938-0.948	13.1	65.6
13C-PCB-118	3.51e+07	1.58 y	0.98	38:39	1.057	1.053-1.063	11.5	57.4
13C-PCB-123	3.18e+07	1.59 y	0.87	38:29	1.053	1.048-1.058	11.7	58.3
13C-PCB-126	3.55e+07	1.63 y	1.06	42:05	1.012	1.006-1.016	14.9	74.6
13C-PCB-153	2.98e+07	1.28 y	1.12	40:10	0.966	0.961-0.971	11.8	59.2
13C-PCB-155	3.32e+07	1.32 y	0.97	34:32	0.830	0.827-0.835	11.0	54.9
13C-PCB-156	3.60e+07	1.32 y	1.24	44:33	1.071	1.066-1.076	12.8	64.2
13C-PCB-157	3.87e+07	1.28 y	1.33	44:48	1.077	1.072-1.082	12.9	64.6
13C-PCB-167	3.77e+07	1.30 y	1.28	43:24	1.043	1.038-1.048	13.0	65.1
13C-PCB-169	3.79e+07	1.30 y	1.26	46:47	1.125	1.118-1.130	13.3	66.6
13C-PCB-170	1.62e+07	0.45 y	0.56	47:04	1.132	1.125-1.137	12.9	64.6
13C-PCB-180	1.84e+07	0.46 y	0.65	45:43	1.099	1.094-1.104	12.5	62.5
13C-PCB-188	2.19e+07	0.46 y	0.92	39:48	0.957	0.952-0.962	10.5	52.5
13C-PCB-189	2.59e+07	0.45 y	0.85	48:29	1.166	1.158-1.170	13.6	68.1
13C-PCB-194	2.81e+07	0.93 y	0.71	49:52	0.995	0.990-1.000	12.6	62.8
13C-PCB-202	2.69e+07	0.94 y	1.02	44:42	1.075	1.070-1.080	11.8	58.9
13C-PCB-206	2.58e+07	0.79 y	0.65	51:18	1.024	1.019-1.029	12.6	63.2
13C-PCB-208	3.34e+07	0.79 y	0.94	49:10	0.981	0.977-0.987	11.4	56.8
13C-PCB-209	3.45e+07	1.20 y	0.97	52:31	1.048	1.044-1.054	11.3	56.4
13C-PCB-15	1.10e+08	1.58 y	1.00	24:24			20.0	-
13C-PCB-31	9.28e+07	1.07 y	1.00	27:11			20.0	-
13C-PCB-60	8.06e+07	0.80 y	1.00	34:18			20.0	-
13C-PCB-111	6.23e+07	1.58 y	1.00	36:33			20.0	-
13C-PCB-138	4.50e+07	1.30 y	1.00	41:35			20.0	-
13C-PCB-205	6.29e+07	0.92 y	1.00	50:07			20.0	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	4.71e+07	0.79	y	29:29	0.82	24.9	125
13C-PCB-178	1.92e+07	0.45	y	42:20	0.90	23.2	116

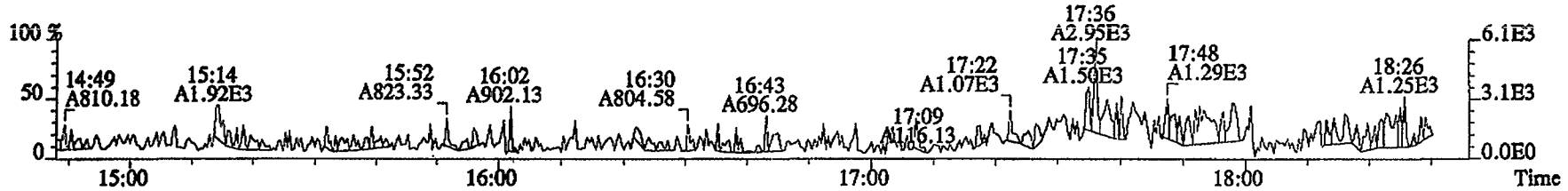
Integrations by
Analyst:

Date: 5-20-04

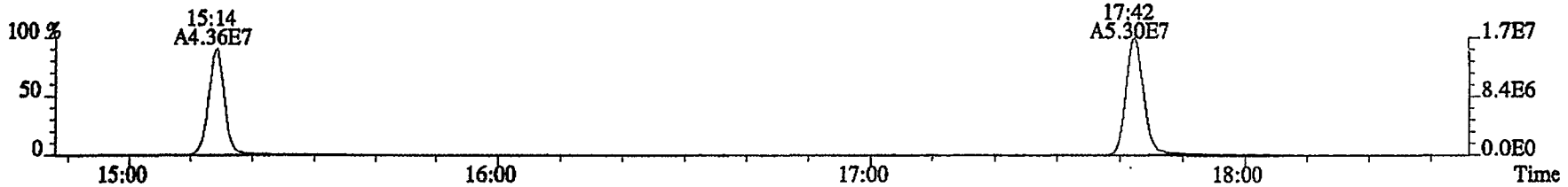
File:040519E1 #1-728 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
188.0393 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1408.0,0.00%,F,F)



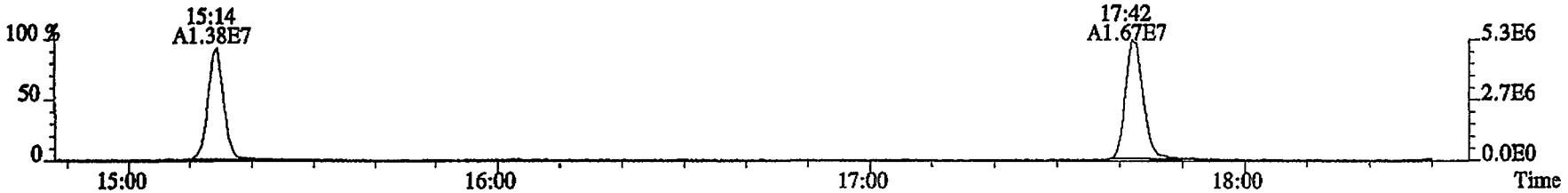
190.0363 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,976.0,0.00%,F,F)



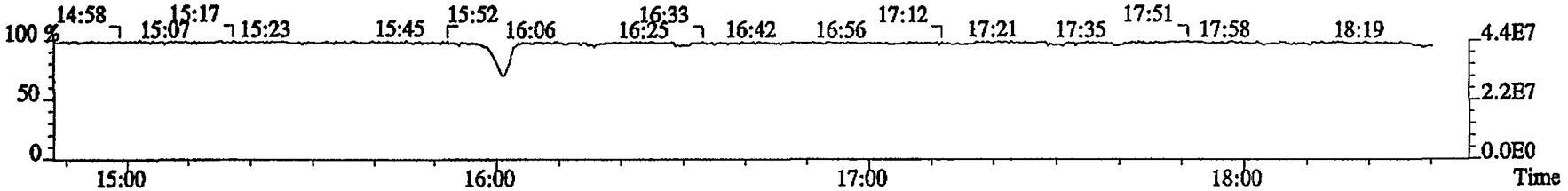
200.0795 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2760.0,0.00%,F,F)



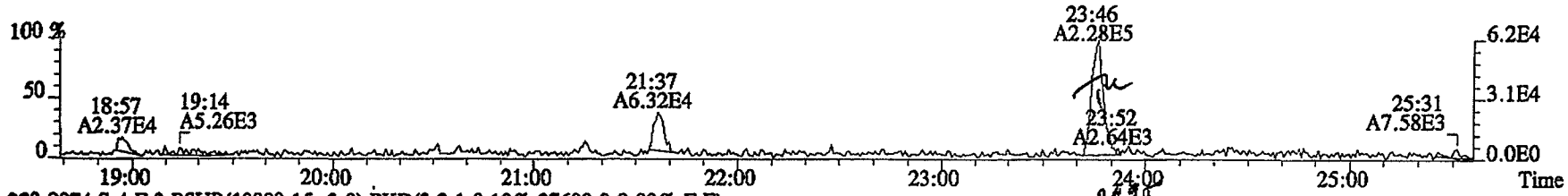
202.0766 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,41592.0,0.00%,F,F)



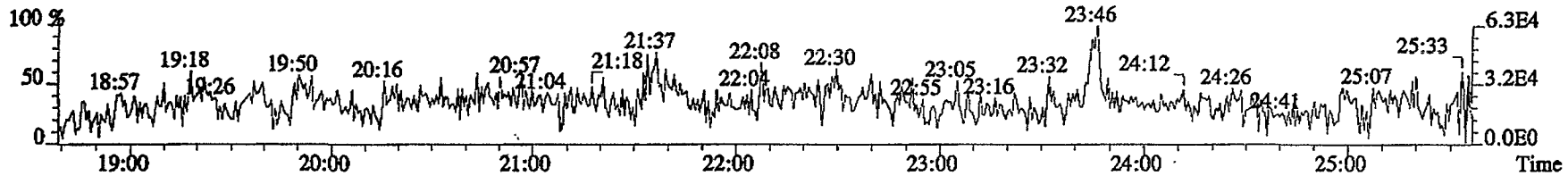
180.9880 S:4



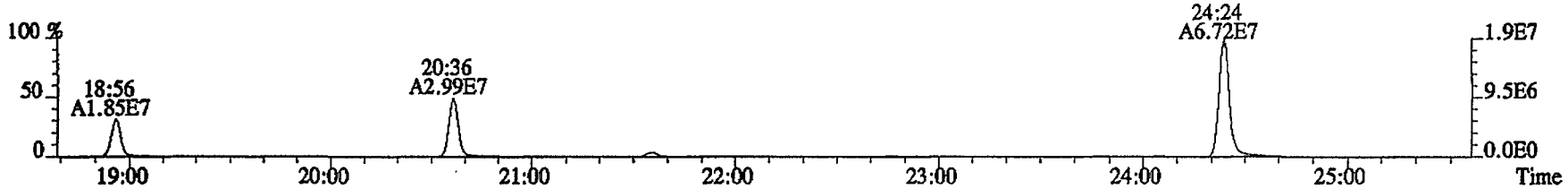
File:040519E1 #1-686 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3464.0,0.00%,F,F)



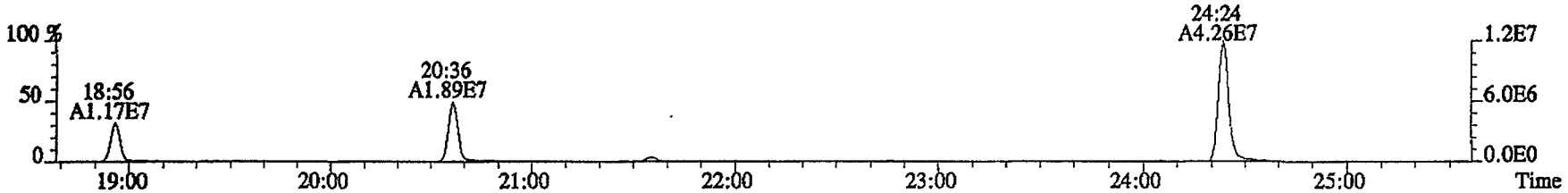
223.9974 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,27608.0,0.00%,F,F)



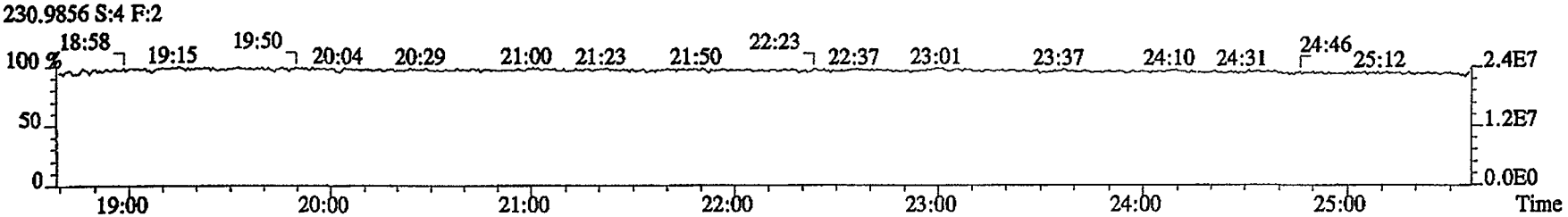
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1376.0,0.00%,F,F)



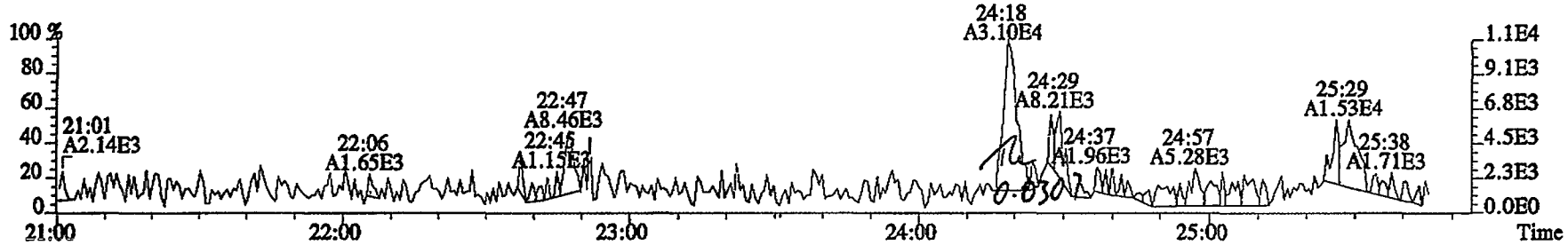
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



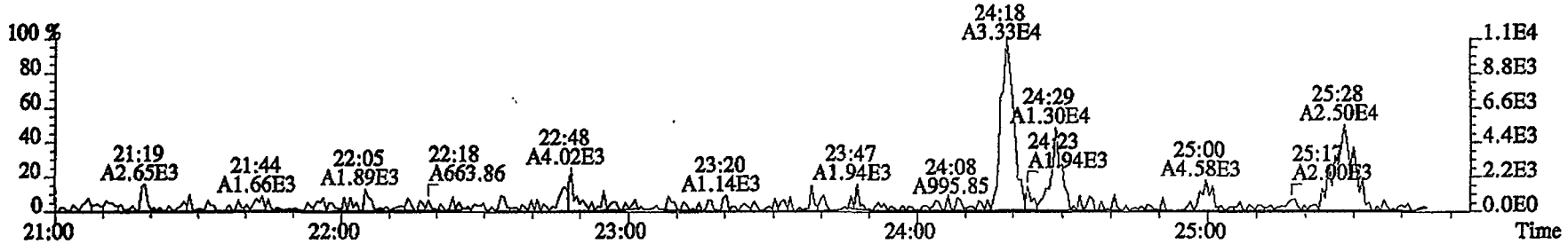
230.9856 S:4 F:2



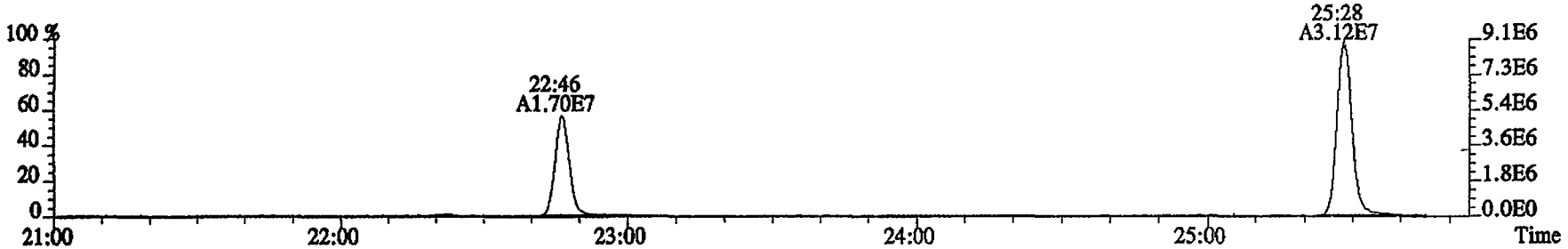
File:040519E1 #1-686 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1904.0,0.00%,F,F)



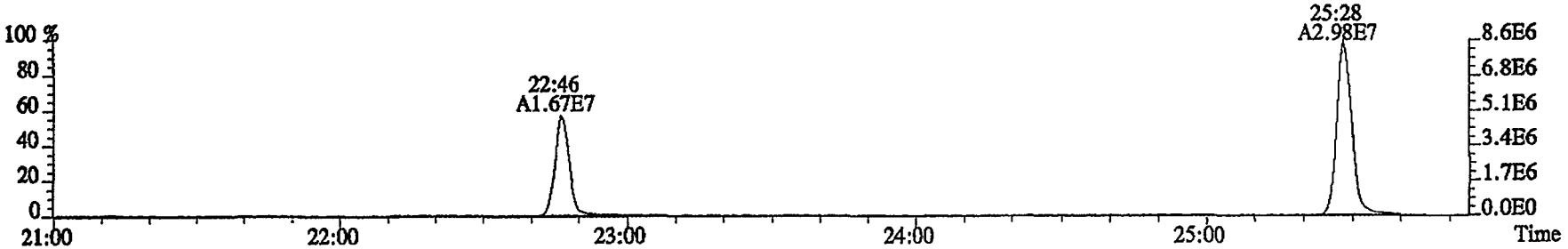
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



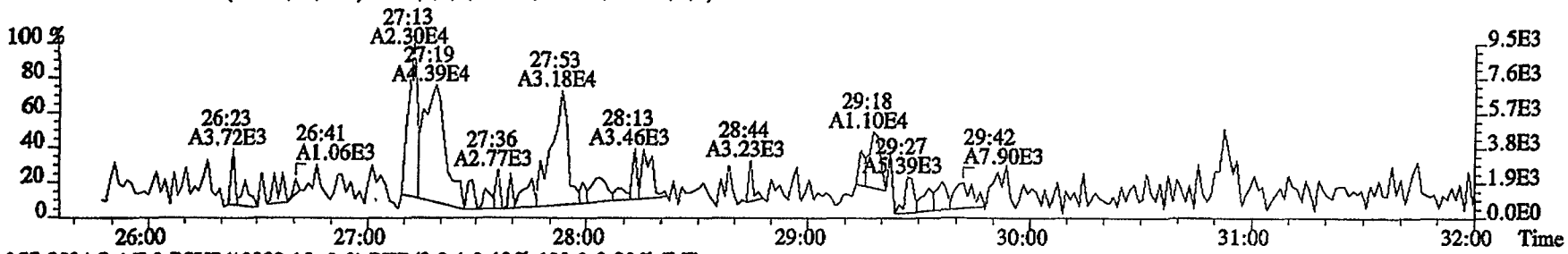
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,40176.0,0.00%,F,F)



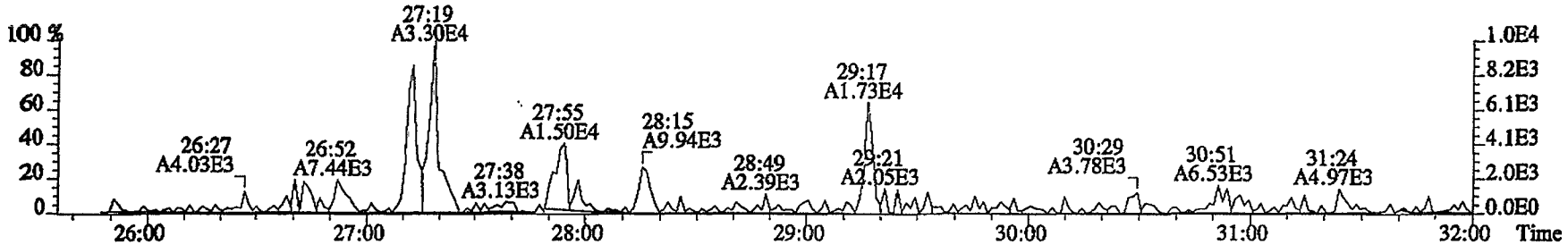
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,19264.0,0.00%,F,F)



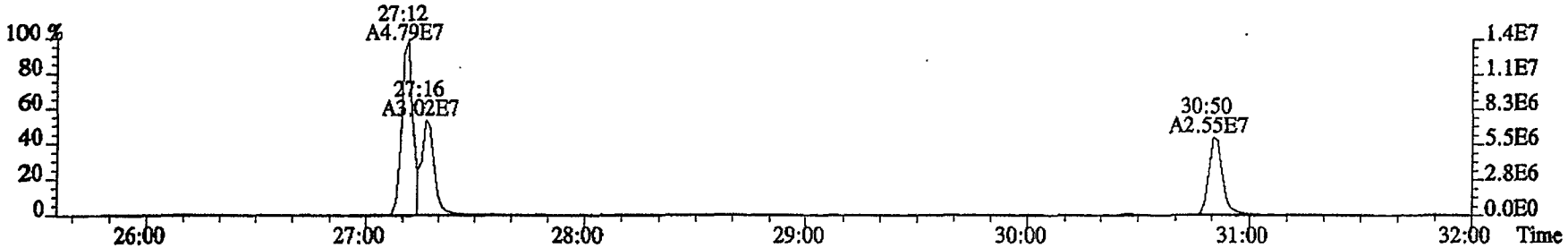
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1844.0,0.00%,F,F)



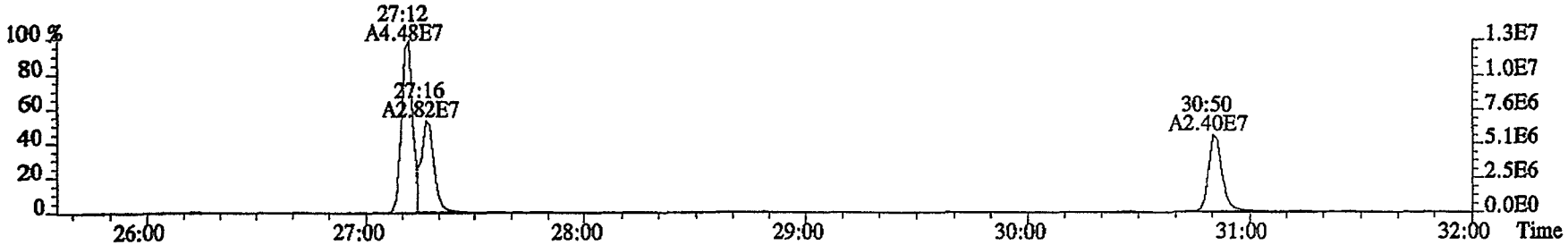
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



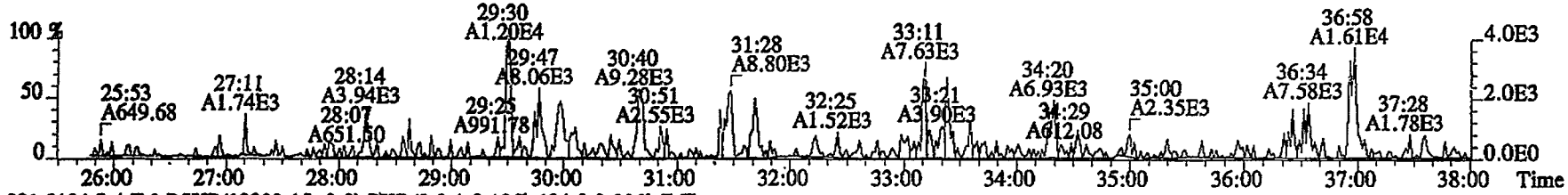
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,47052.0,0.00%,F,F)



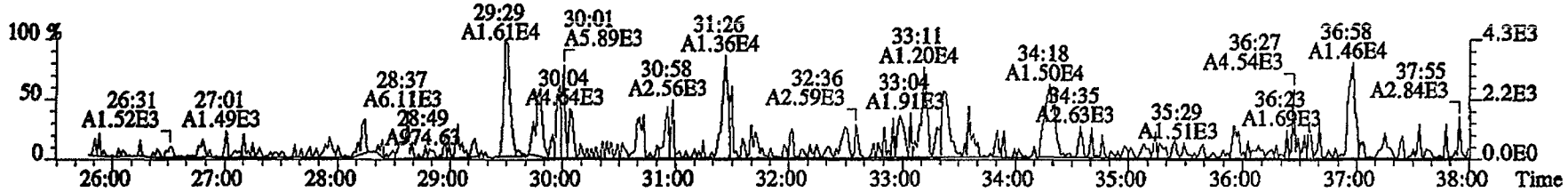
269.9986 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16472.0,0.00%,F,F)



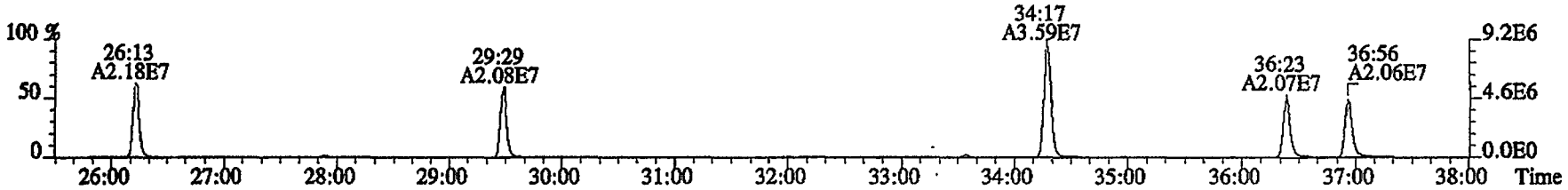
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



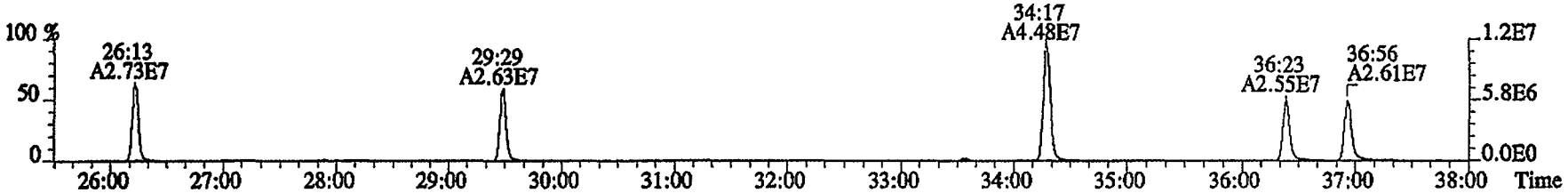
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



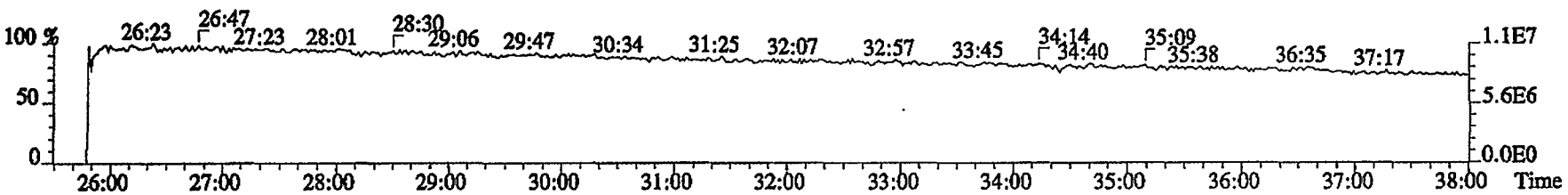
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1484.0,0.00%,F,F)



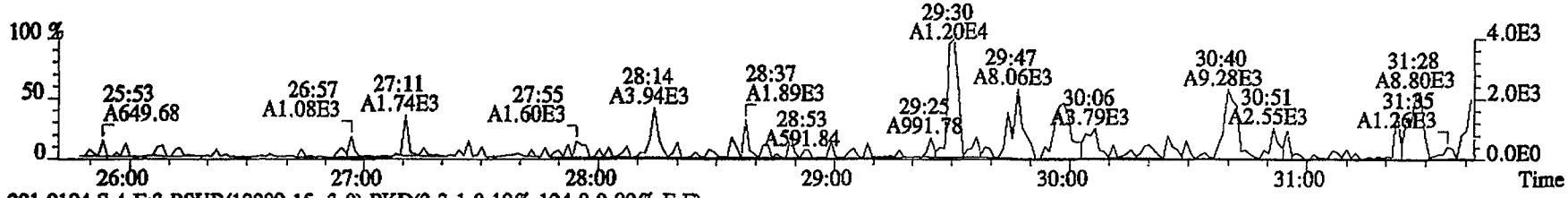
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2304.0,0.00%,F,F)



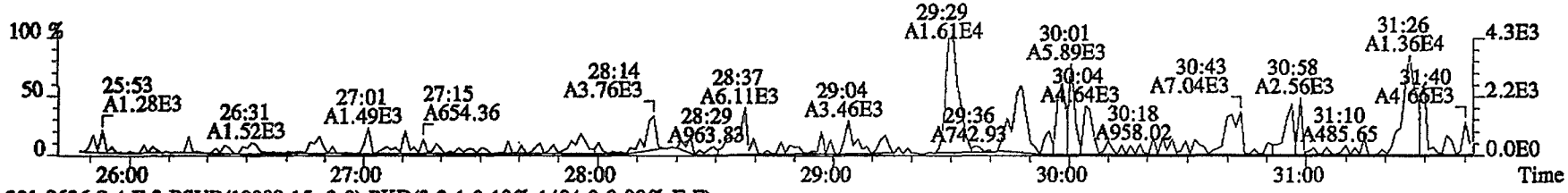
330.9792 S:4 F:3



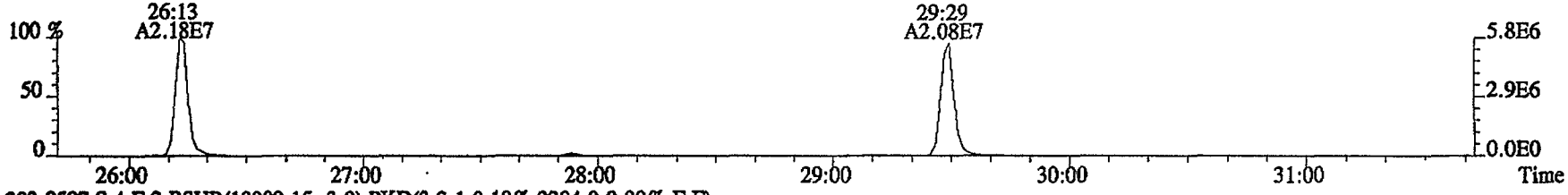
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



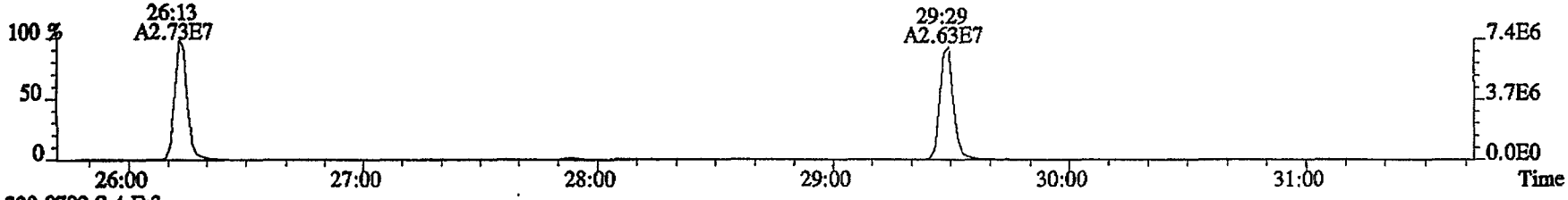
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



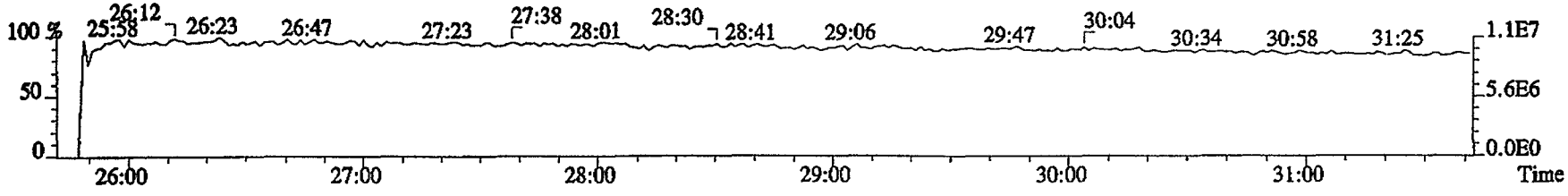
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1484.0,0.00%,F,F)



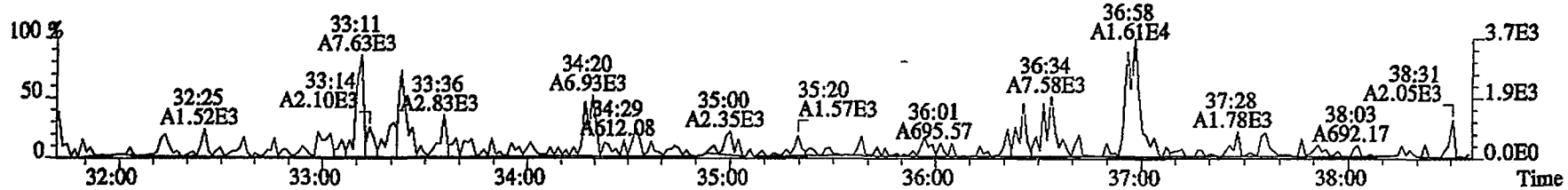
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2304.0,0.00%,F,F)



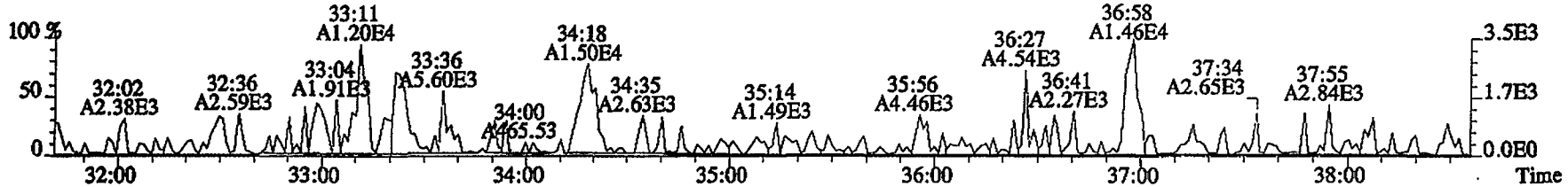
330.9792 S:4 F:3



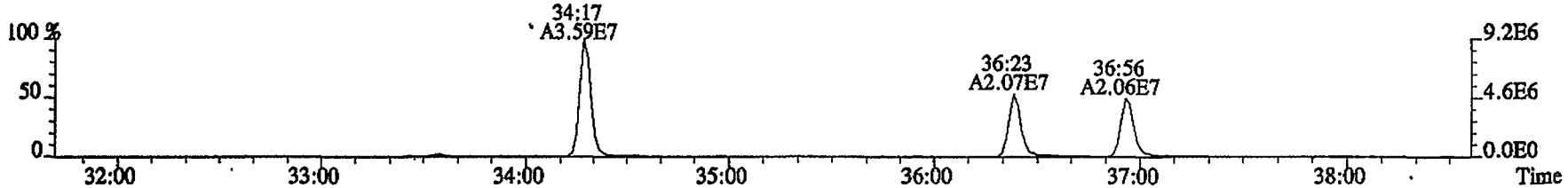
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



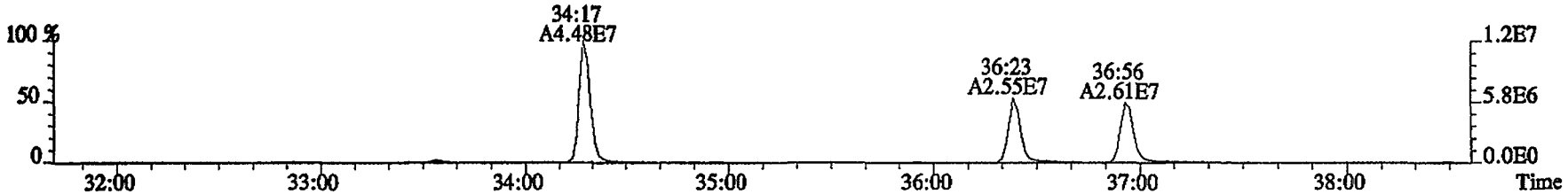
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



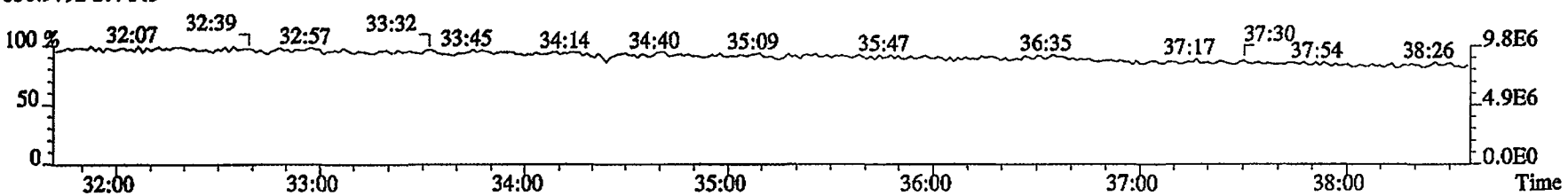
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1484.0,0.00%,F,F)



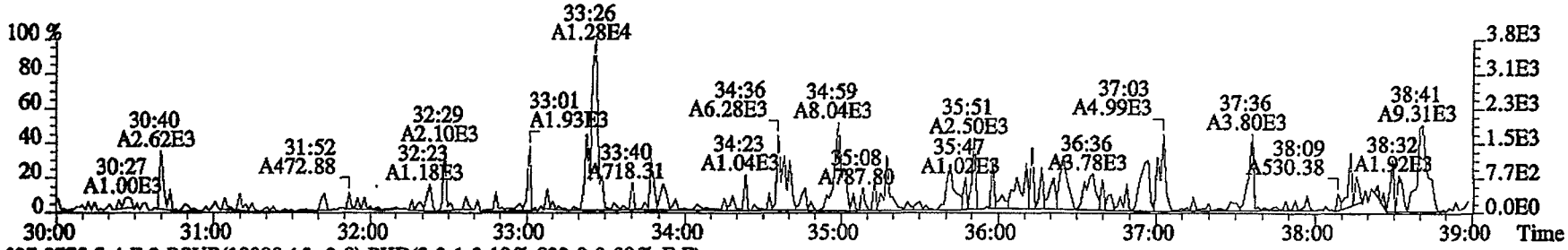
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2304.0,0.00%,F,F)



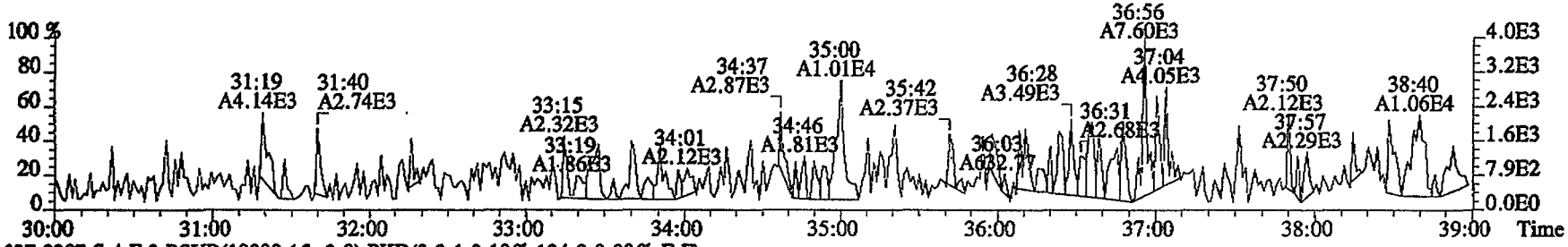
330.9792 S:4 F:3



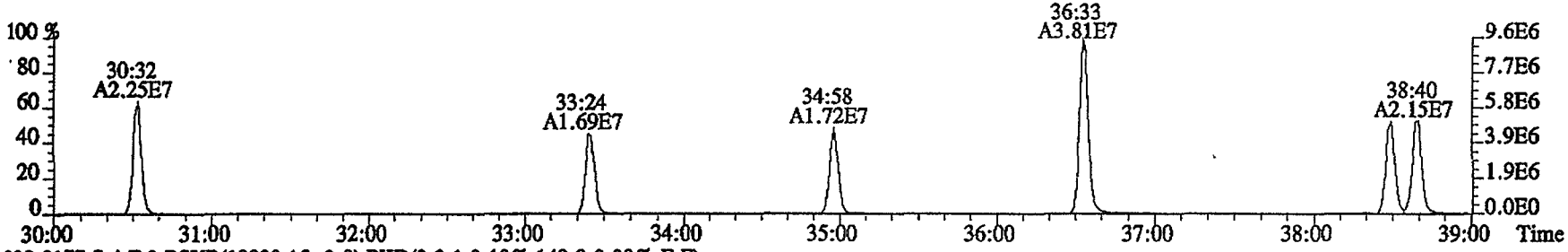
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



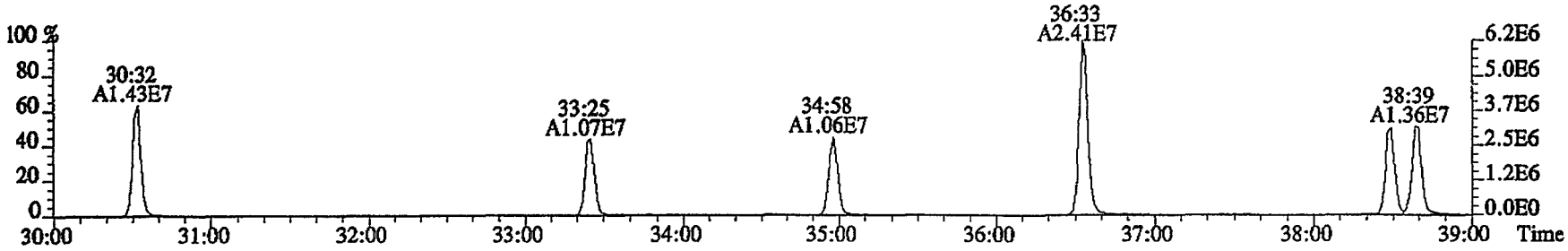
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,832.0,0.00%,F,F)



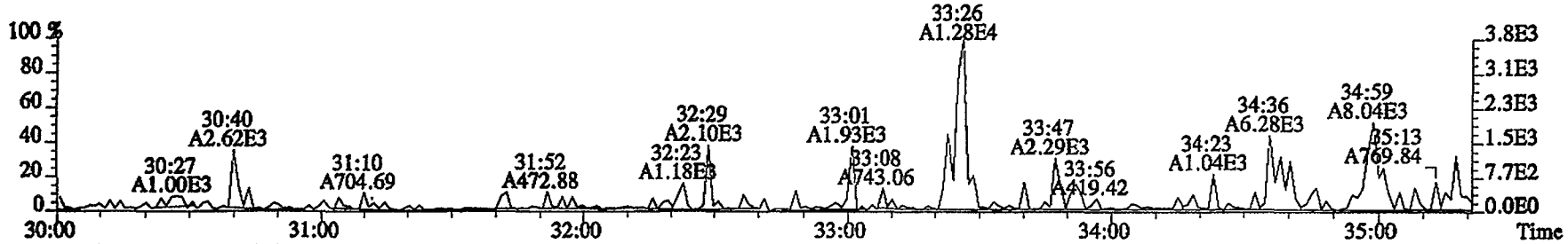
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



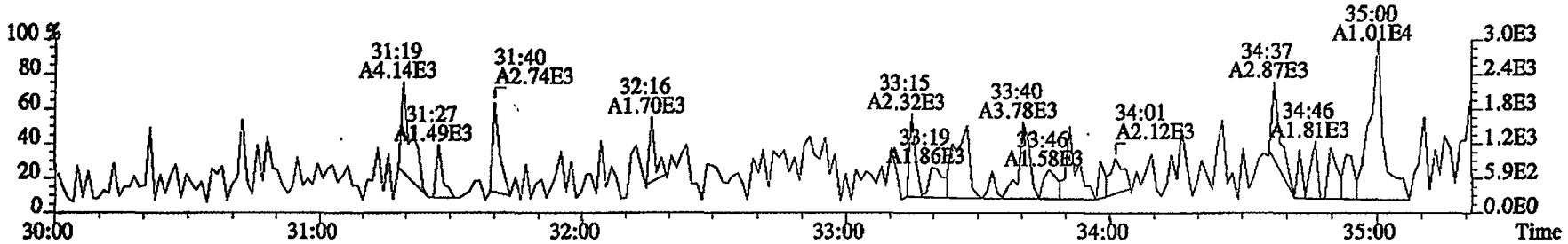
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,148.0,0.00%,F,F)



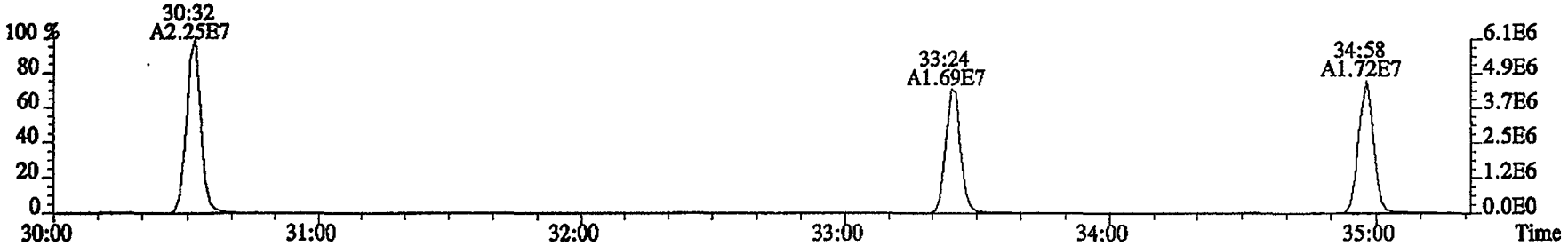
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



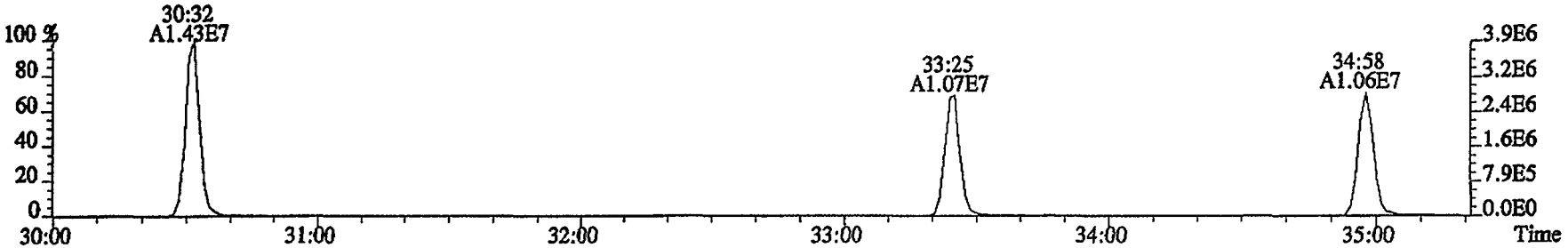
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,832.0,0.00%,F,F)



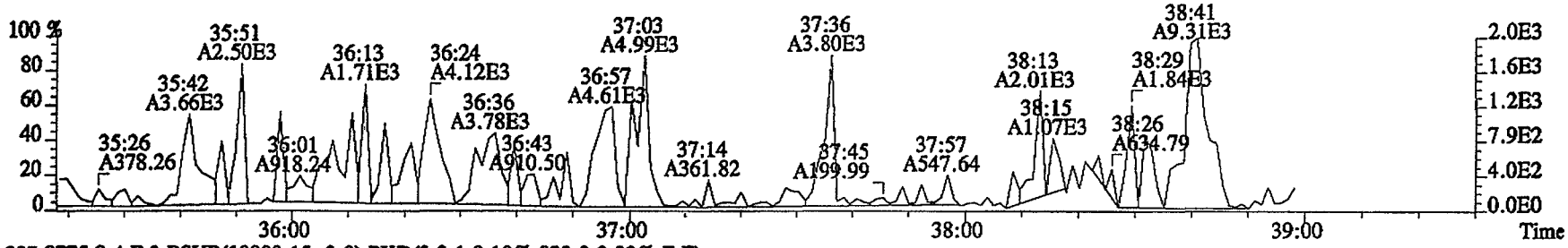
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



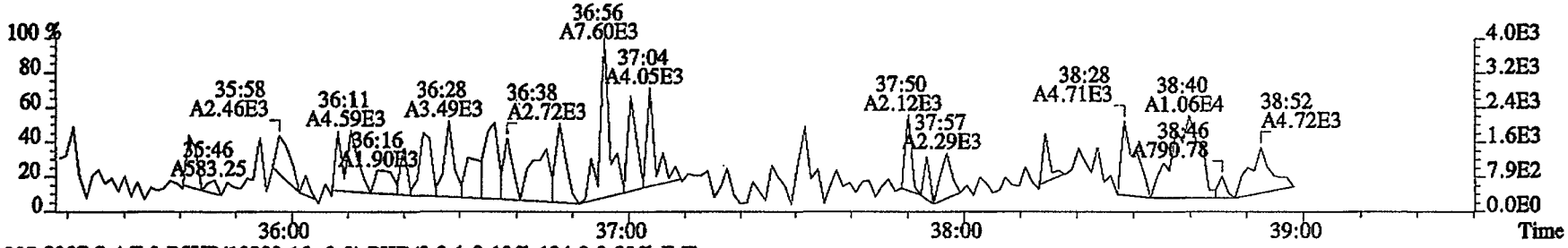
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,148.0,0.00%,F,F)



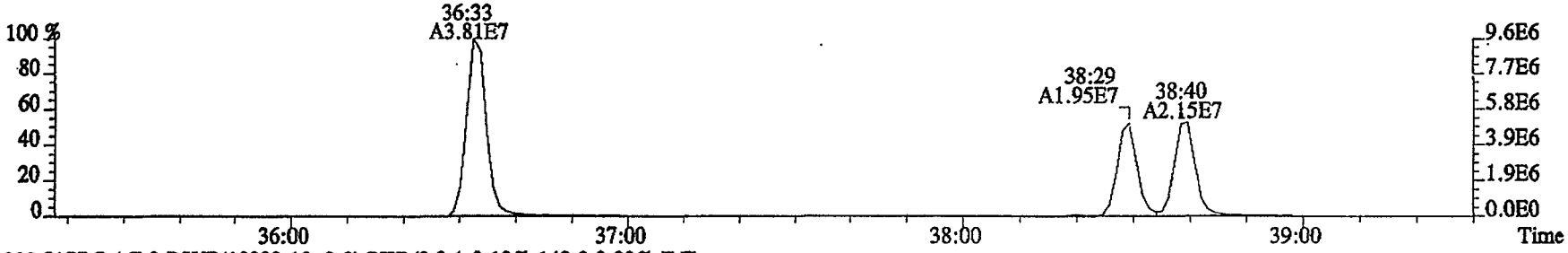
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



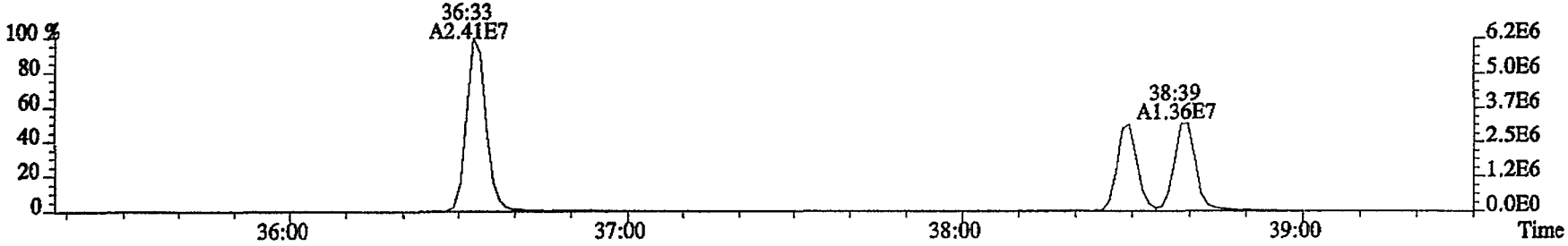
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,832.0,0.00%,F,F)



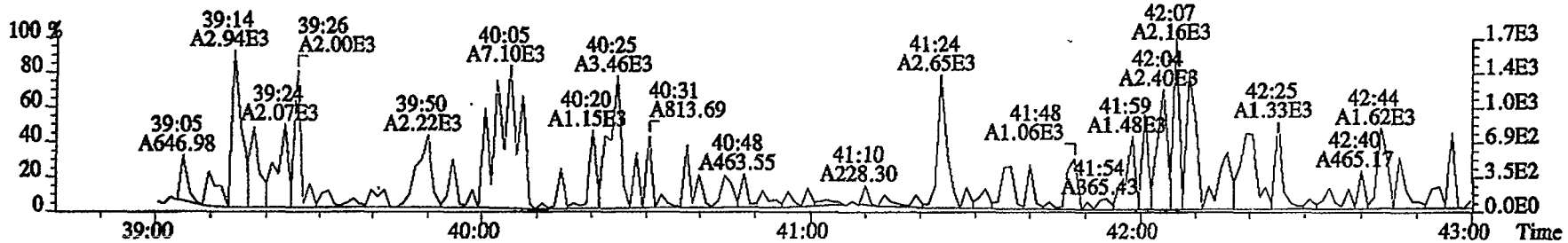
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



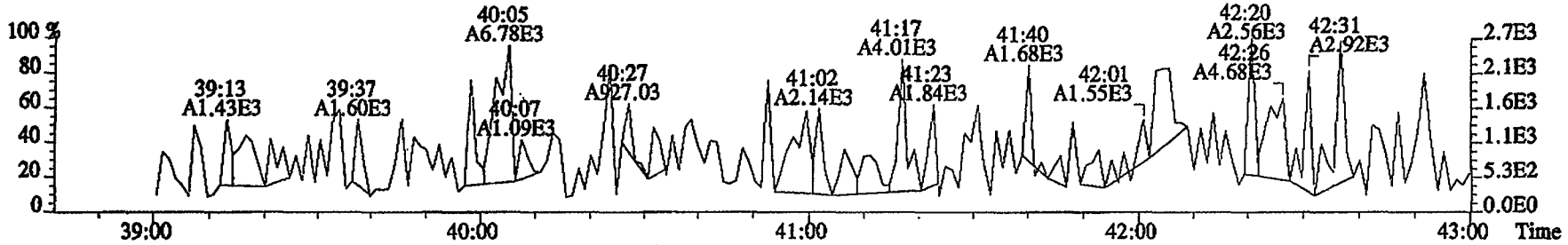
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,148.0,0.00%,F,F)



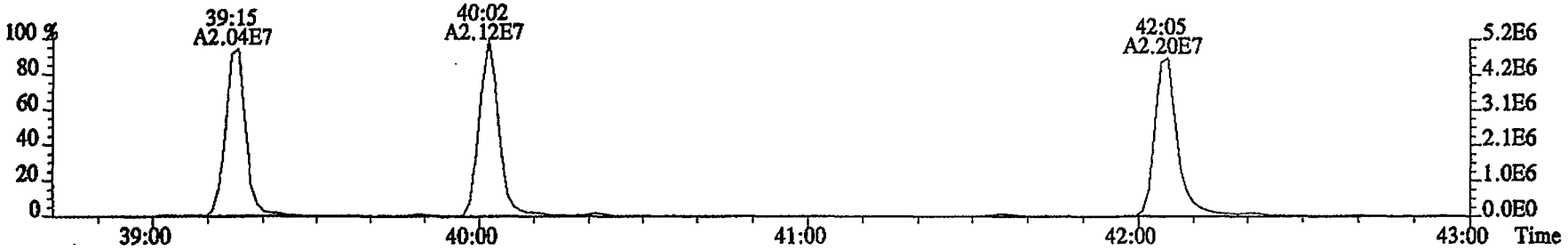
File:040519E1 #1-510 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



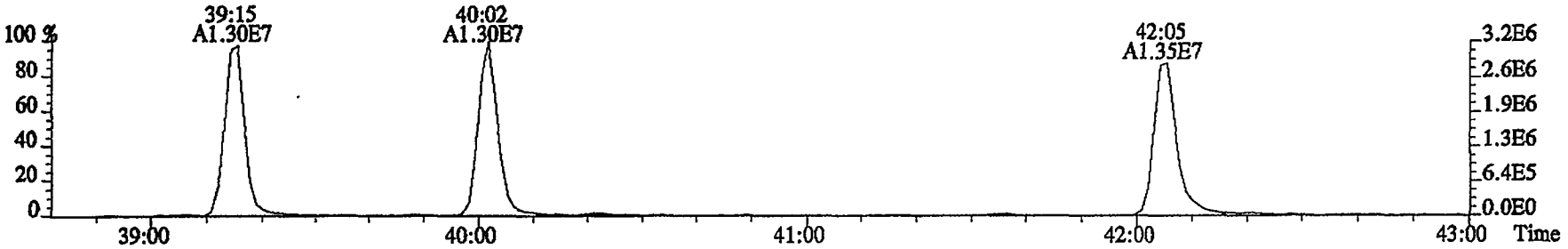
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,968.0,0.00%,F,F)



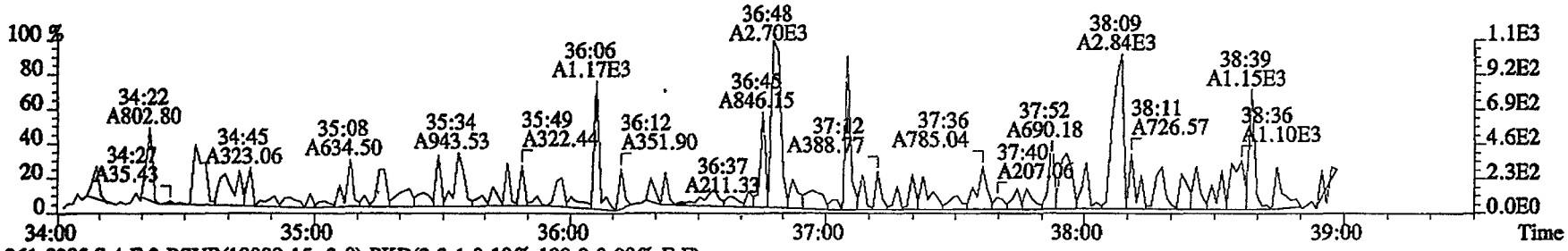
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3704.0,0.00%,F,F)



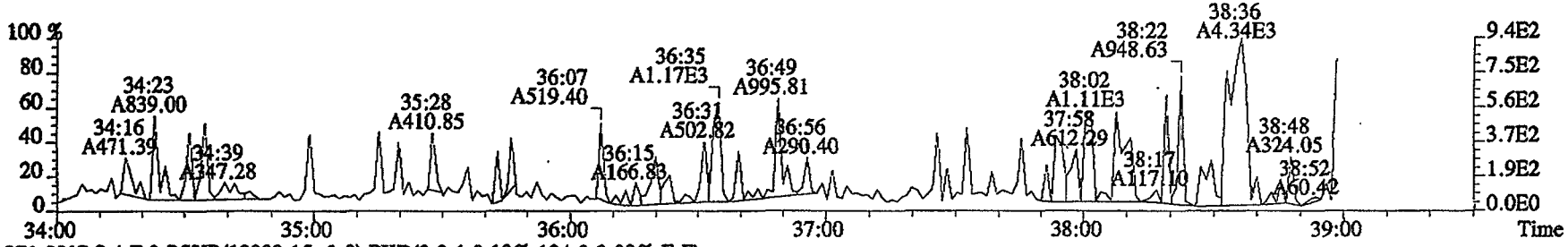
339.9177 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2800.0,0.00%,F,F)



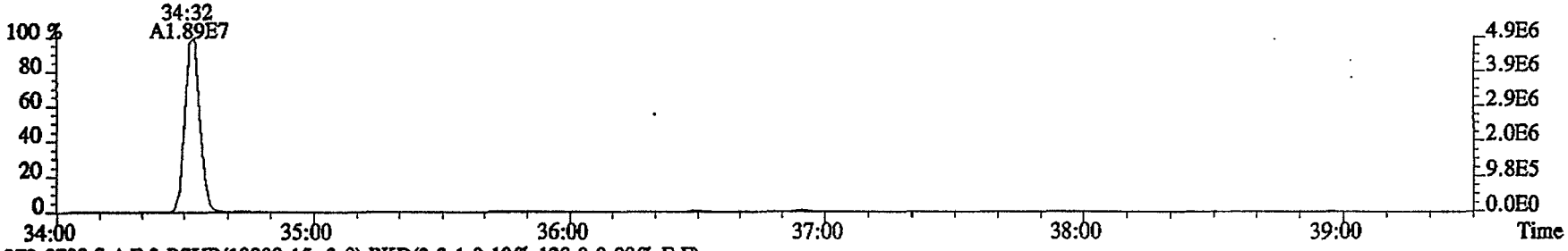
File:040519E1 #1-685 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
359.8415 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



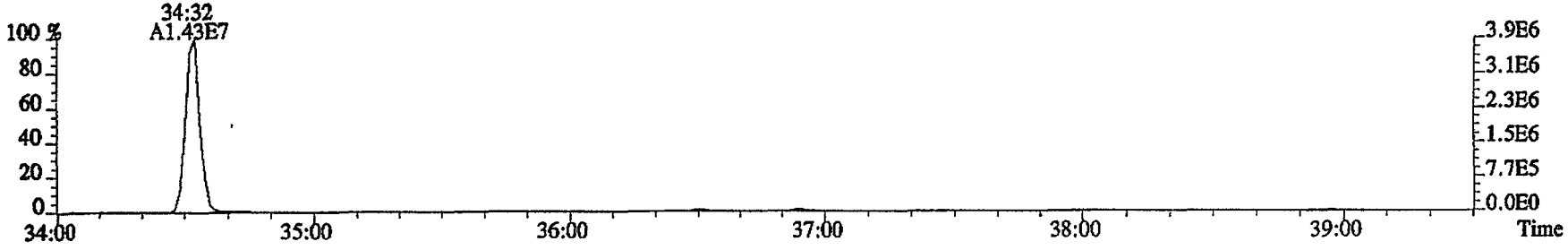
361.8385 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



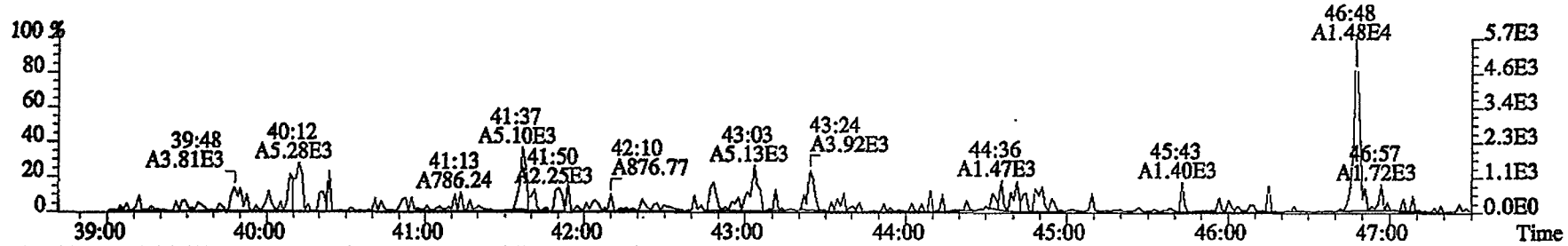
371.8817 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



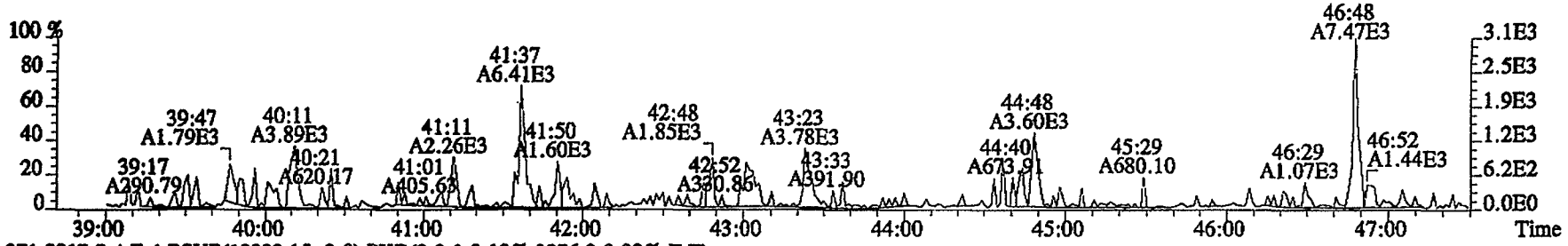
373.8788 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



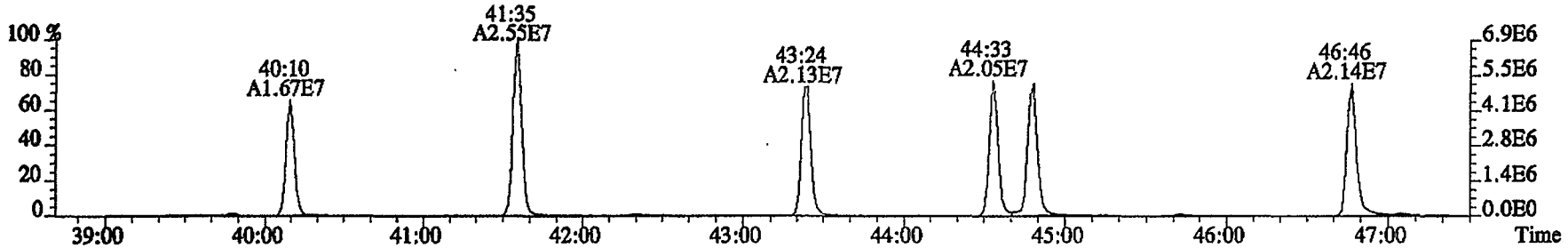
File:040519E1 #1-510 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
359.8415 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



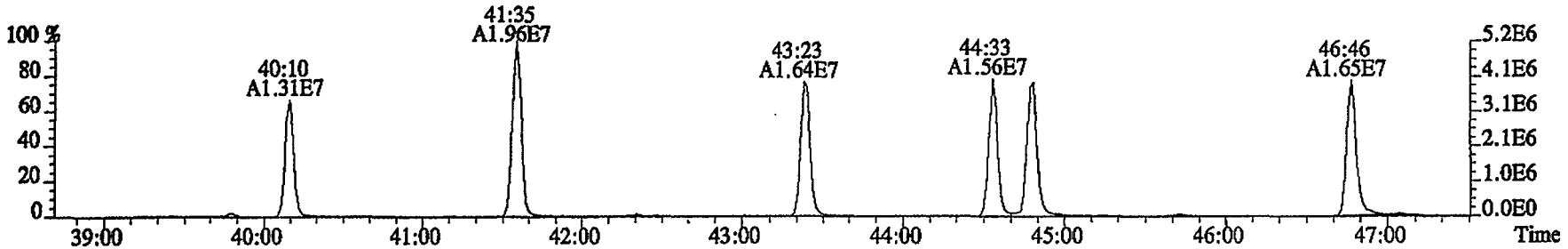
361.8385 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



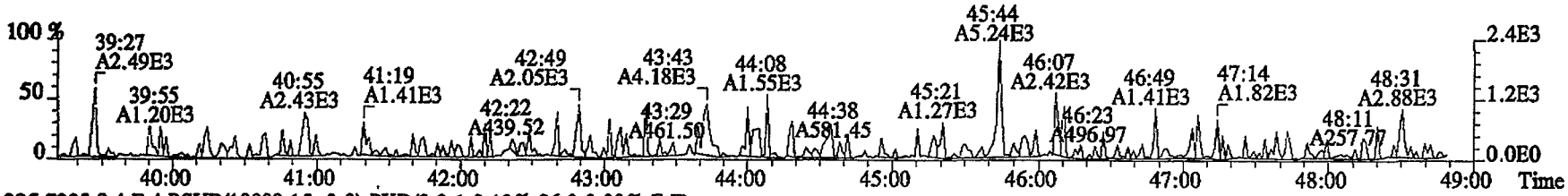
371.8817 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3276.0,0.00%,F,F)



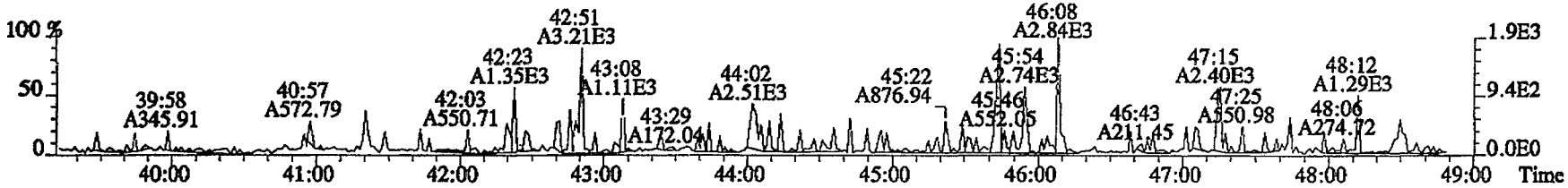
373.8788 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2560.0,0.00%,F,F)



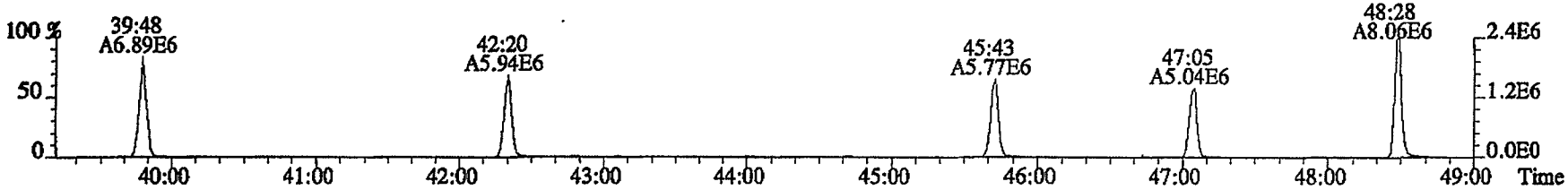
File:040519E1 #1-510 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
393.8025 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



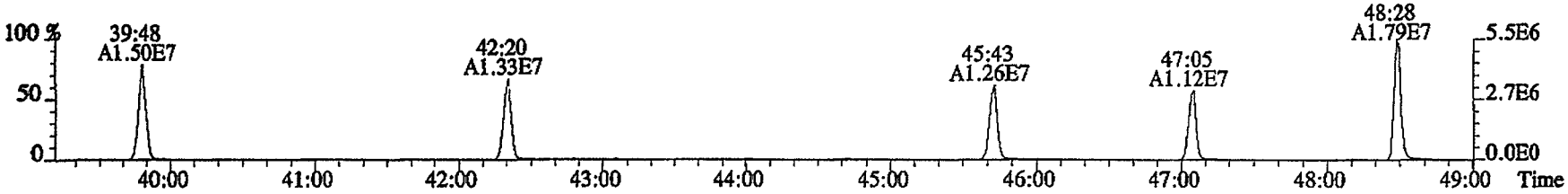
395.7995 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



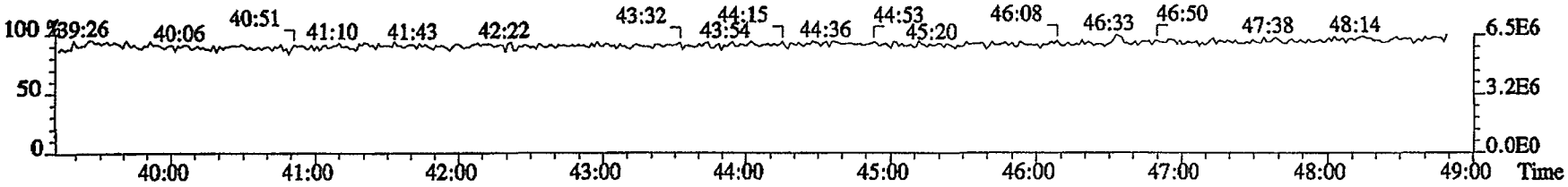
403.8457 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



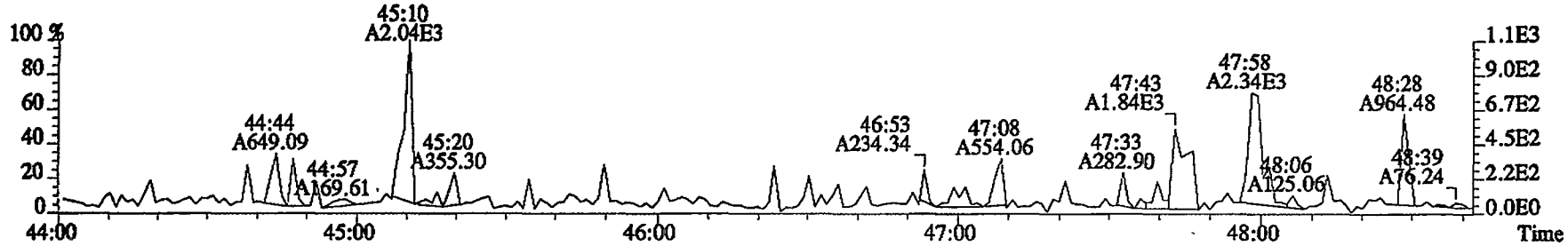
405.8428 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



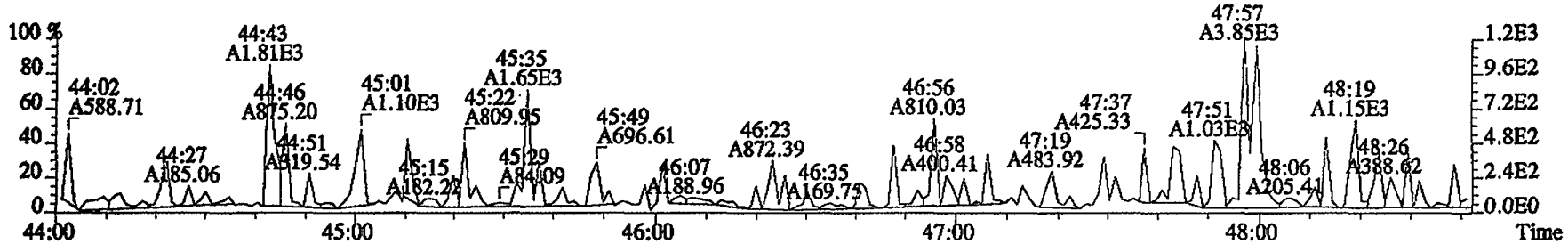
380.9760 S:4 F:4



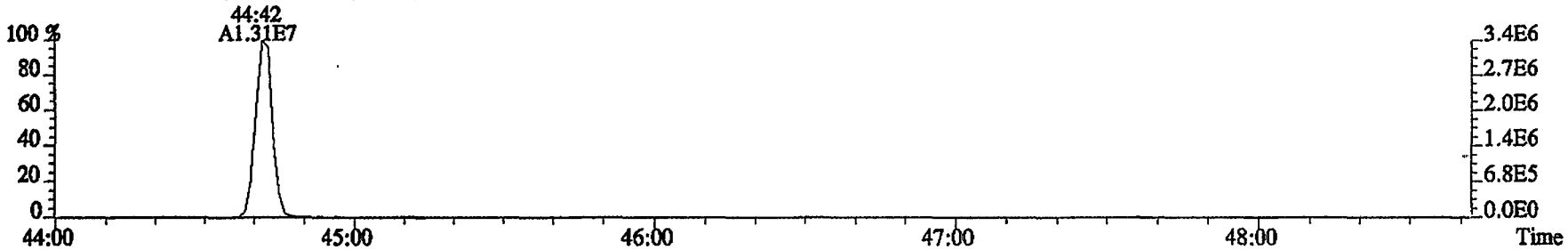
File:040519E1 #1-510 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
427.7635 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



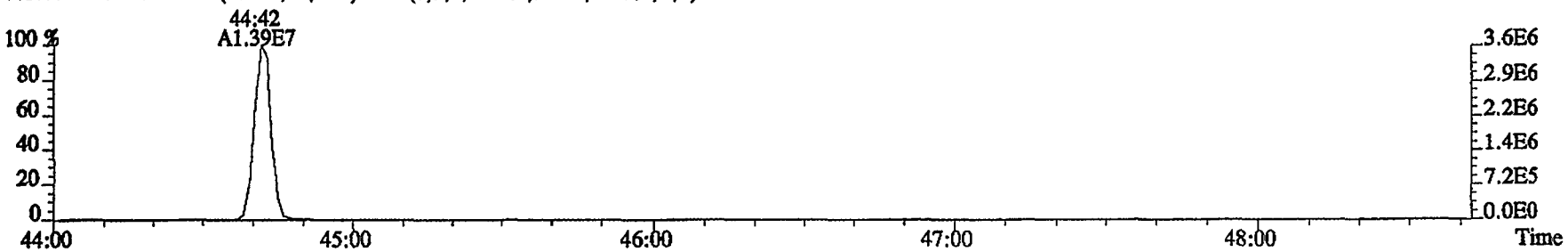
429.7606 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



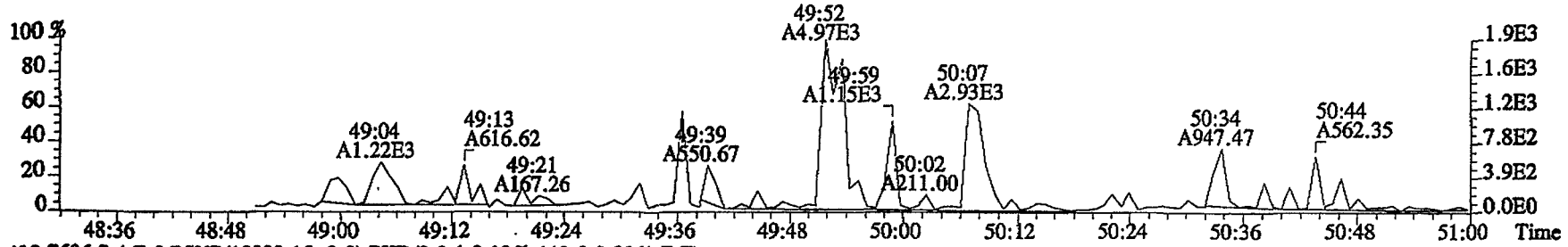
439.8038 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



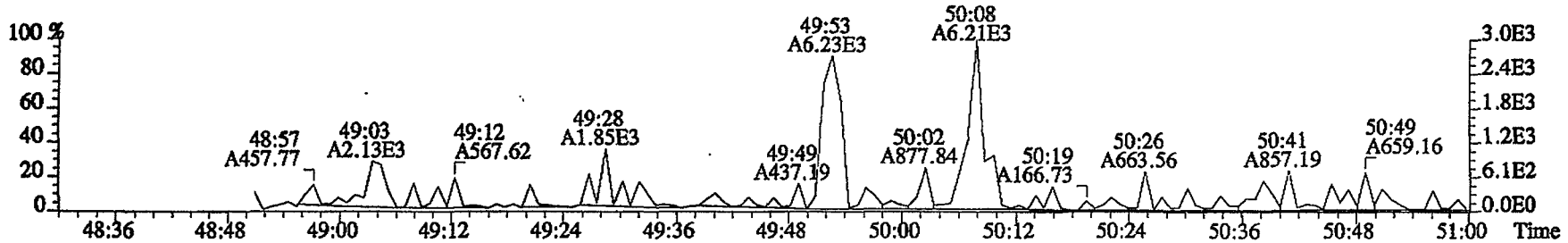
441.8008 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



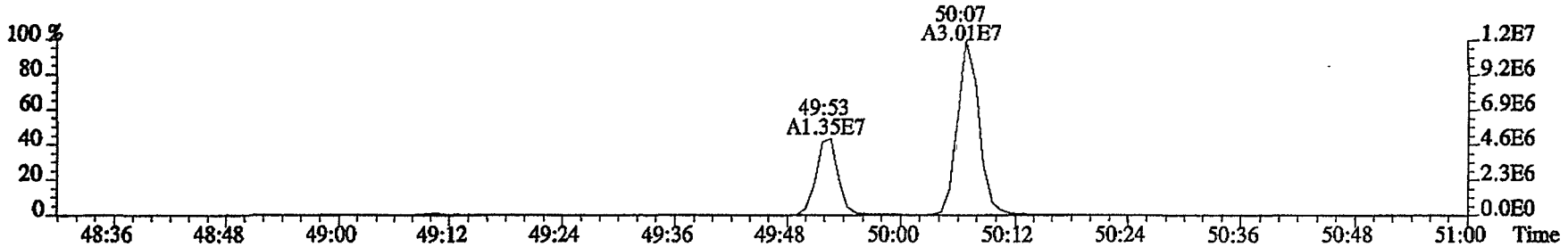
File:040519E1 #1-414 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



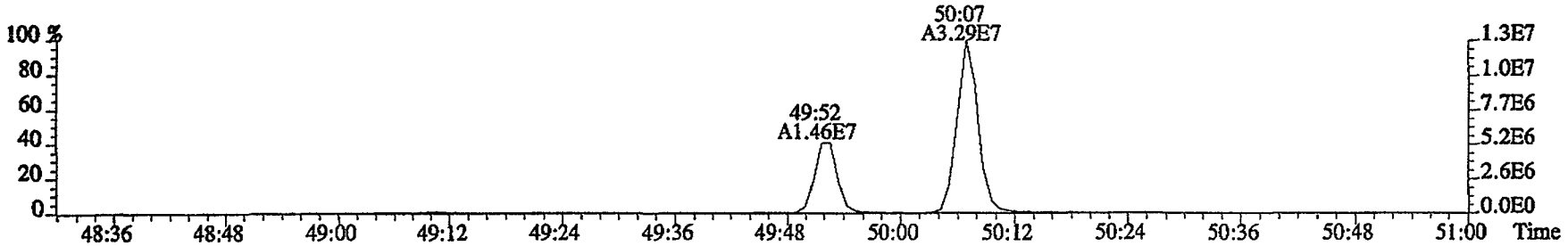
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



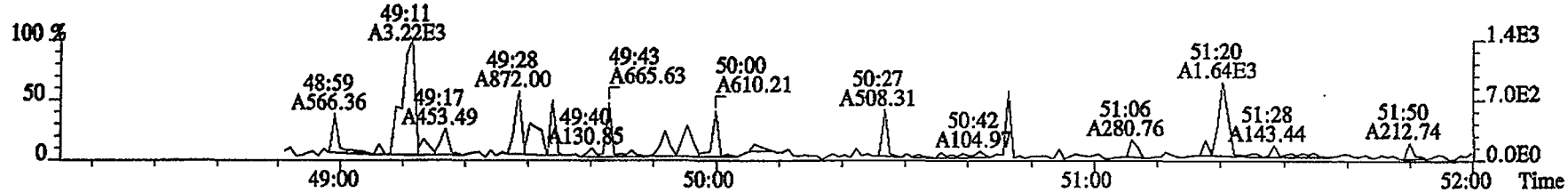
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



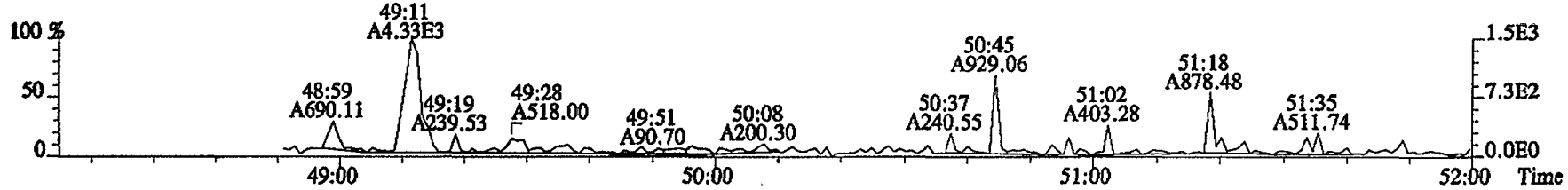
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



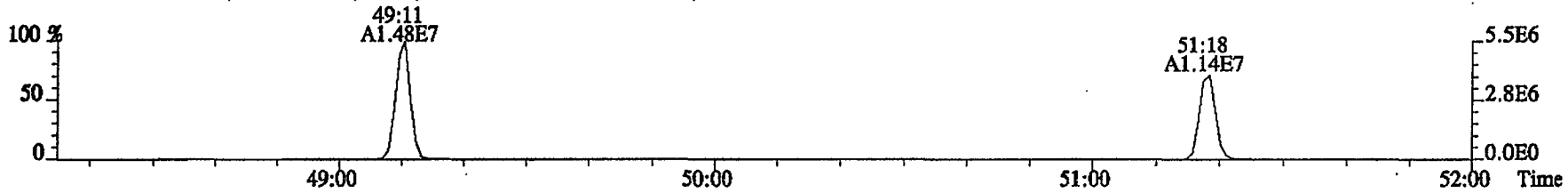
File:040519E1 #1-414 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
463.7216 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



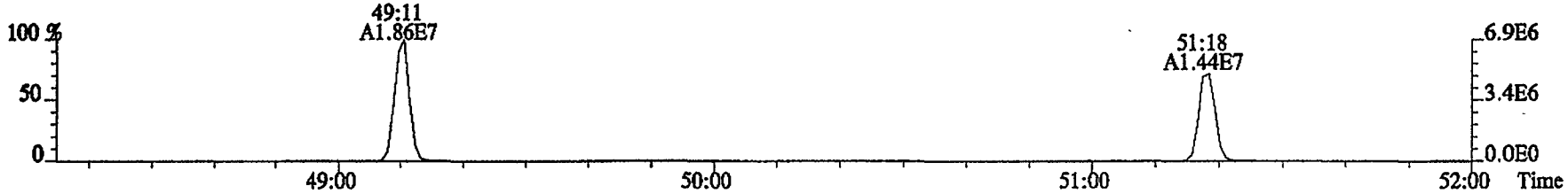
465.7186 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



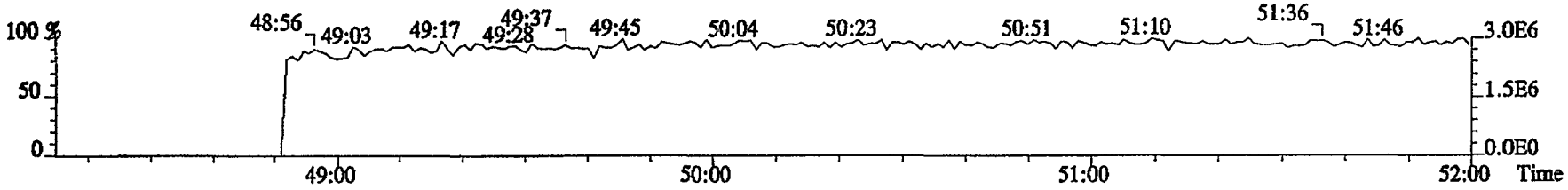
473.7648 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%;F,F)



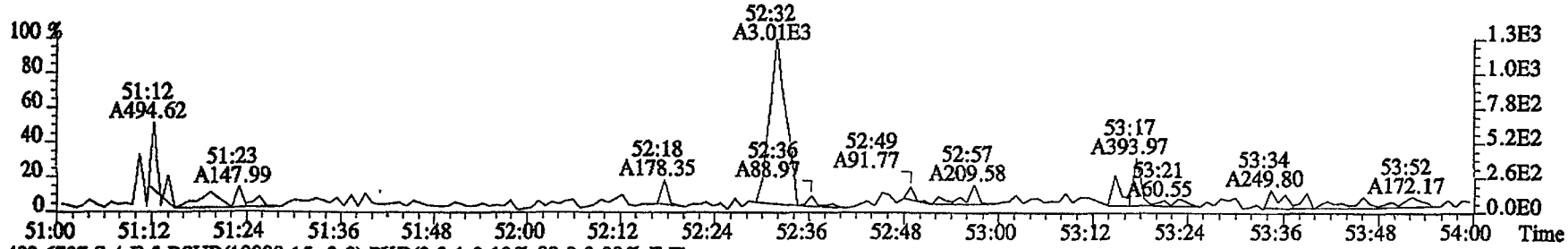
475.7619 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



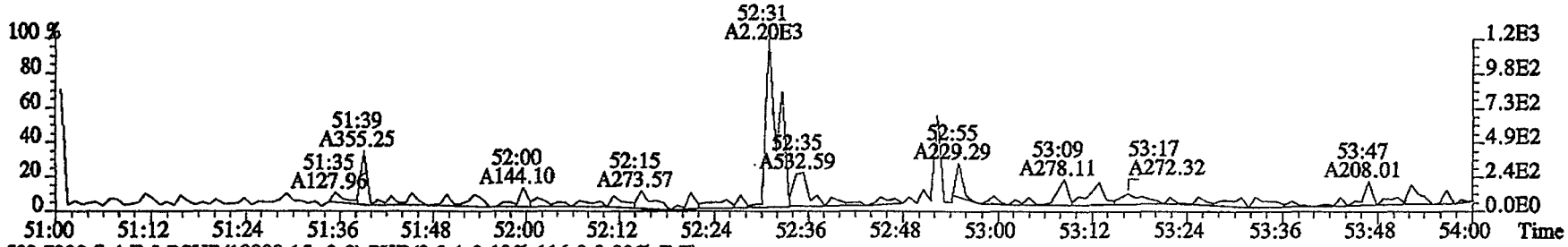
492.9697 S:4 F:5



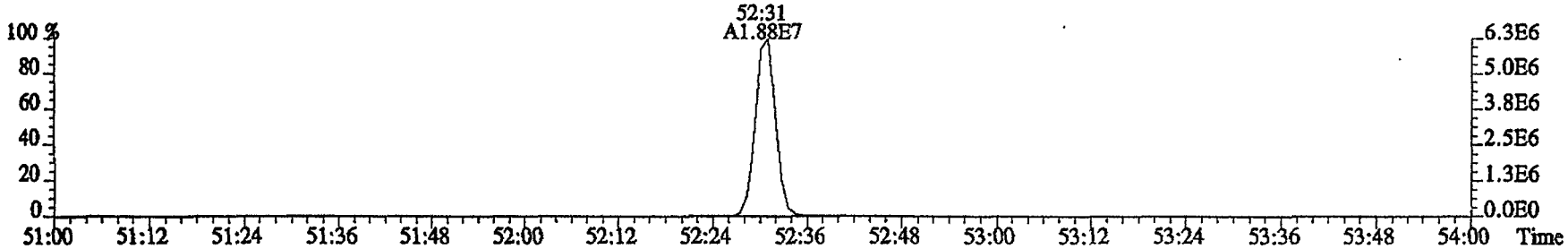
File:040519E1 #1-414 Acq:19-MAY-2004 13:56:21 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:0_5892_MB001 Exp:PCB_DB1
497.6826 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



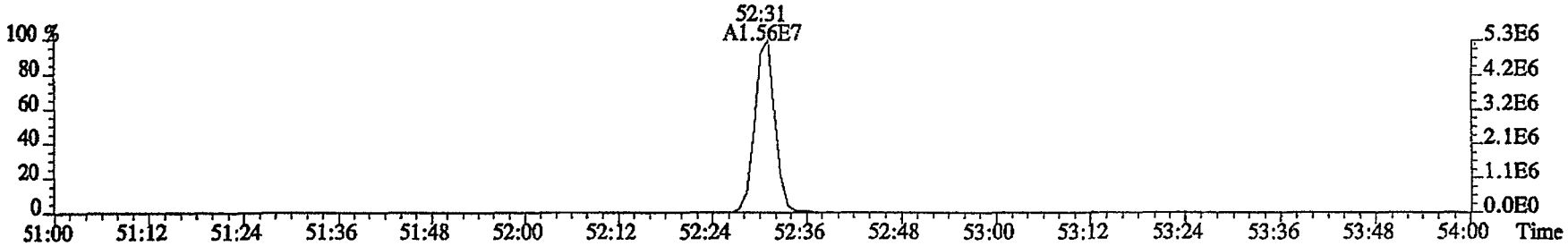
499.6797 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



509.7229 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



511.7199 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Alta Analytical Laboratory OPR Data Filename: 0_5892_OPR001

Matrix : PUF Ext. Date: 5/16/04 Analysis Date: 19-MAY-04 Time: 11:55:50

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

NATIVE ANALYTES	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)	NATIVE ANALYTES	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)	NATIVE ANALYTES	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)
PCB-1	50	44.3	25-75	PCB-106/118	50	49.0	25-75	PCB-202	50	50.6	25-75
PCB-3	50	47.6	25-75	PCB-114	50	40.4	25-75	PCB-201	50	52.0	25-75
PCB-15	50	39.0	25-75	PCB-105	50	40.0	25-75	PCB-198	50	49.8	25-75
PCB-18	50	48.6	25-75	PCB-127	50	41.8	25-75	PCB-199	50	48.6	25-75
PCB-31	50	41.5	25-75	PCB-126	50	39.7	25-75	PCB-196/203	100	94.9	50-150
PCB-28	50	41.0	25-75	PCB-136	50	45.2	25-75	PCB-195	50	43.9	25-75
PCB-20/21/33	50	44.8	25-75	PCB-151	50	45.6	25-75	PCB-194	50	45.8	25-75
PCB-22	50	45.5	25-75	PCB-135	50	48.2	25-75	PCB-205	50	45.6	25-75
PCB-37	50	44.7	25-75	PCB-139/149	50	44.7	25-75	PCB-208	50	48.5	25-75
PCB-52/69	50	50.0	25-75	PCB-146/165	50	43.7	25-75	PCB-207	50	55.6	25-75
PCB-43/49	50	60.7	25-75	PCB-132/161	50	35.9	25-75	PCB-206	50	53.1	25-75
PCB-47	50	59.1	25-75	PCB-153	50	48.8	25-75	PCB-209	50	44.9	25-75
PCB-44	50	57.4	25-75	PCB-168	50	50.6	25-75				
PCB-42/59	50	45.9	25-75	PCB-141	50	46.0	25-75				
PCB-41/64/71/72	50	61.9	25-75	PCB-137	50	49.1	25-75				
PCB-74	50	48.9	25-75	PCB-138/163/164	50	43.2	25-75				
PCB-70	50	48.5	25-75	PCB-158/160	50	53.3	25-75				
PCB-66	50	43.1	25-75	PCB-166	50	45.9	25-75				
PCB-80	50	44.8	25-75	PCB-128/162	50	38.4	25-75				
PCB-56/60	50	50.4	25-75	PCB-167	50	50.4	25-75				
PCB-81	50	46.0	25-75	PCB-156	50	49.0	25-75				
PCB-77	50	47.7	25-75	PCB-157	50	49.7	25-75				
PCB-95/98/102	50	56.2	25-75	PCB-169	50	47.9	25-75				
PCB-88/91	50	47.3	25-75	PCB-184	50	46.8	25-75				
PCB-84/92	100	91.4	50-150	PCB-179	50	47.5	25-75				
PCB-90/101	100	89.1	50-150	PCB-178	50	51.3	25-75				
PCB-99	50	44.5	25-75	PCB-182/187	50	49.5	25-75				
PCB-119	50	48.4	25-75	PCB-183	50	60.8	25-75				
PCB-97	50	46.0	25-75	PCB-185	50	48.5	25-75				
PCB-86	50	43.8	25-75	PCB-174	50	45.9	25-75				
PCB-87/117/125	50	36.1	25-75	PCB-177	50	44.3	25-75				
PCB-111/115	50	43.6	25-75	PCB-171	50	45.0	25-75				
PCB-120	50	38.1	25-75	PCB-180	125	119.3	62.5-187.5				
PCB-110	50	42.7	25-75	PCB-191	50	45.5	25-75				
PCB-82	50	51.9	25-75	PCB-170	50	47.7	25-75				
PCB-123	50	44.6	25-75	PCB-190	50	45.7	25-75				
				PCB-189	50	45.6	25-75				

Analyst: [signature]

Date: 5.20.04

PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Alta Analytical Laboratory

Matrix : PUF OPR Data Filename: 0_5892_OPR001

Ext. Date: 5/16/04 Analysis Date: 19-MAY-04 Time: 11:55:50

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

LABELED COMPOUNDS	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)
13C-PCB-1	100	73.2	30-140
13C-PCB-3	100	70.4	30-140
13C-PCB-4	100	65.2	30-140
13C-PCB-9	100	66.8	30-140
13C-PCB-19	100	74.9	30-140
13C-PCB-32	100	79.1	30-140
13C-PCB-28	100	74.3	30-140
13C-PCB-37	100	77.1	30-140
13C-PCB-54	100	64.4	30-140
13C-PCB-81	100	73.3	30-140
13C-PCB-77	100	71.6	30-140
13C-PCB-104	100	80.0	30-140
13C-PCB-95	100	80.5	30-140
13C-PCB-101	100	76.9	30-140
13C-PCB-123	100	72.5	30-140
13C-PCB-118	100	71.1	30-140
13C-PCB-114	100	85.7	30-140
13C-PCB-105	100	87.4	30-140
13C-PCB-126	100	95.0	30-140
13C-PCB-155	100	69.7	30-140
13C-PCB-153	100	73.4	30-140
13C-PCB-167	100	82.8	30-140
13C-PCB-156	100	84.4	30-140
13C-PCB-157	100	83.6	30-140
13C-PCB-169	100	83.8	30-140
13C-PCB-188	100	68.0	30-140
13C-PCB-180	100	79.3	30-140
13C-PCB-170	100	80.5	30-140
13C-PCB-189	100	85.7	30-140
13C-PCB-202	100	75.0	30-140
13C-PCB-194	100	81.3	30-140
13C-PCB-208	100	73.0	30-140
13C-PCB-206	100	81.6	30-140
13C-PCB-209	100	74.1	30-140

Analyst: [signature]

Date: 5-20-04

Client ID: 0_5892_OPR001 Filename: 040519E1 S:2 Acq:19-MAY-04 11:55:50 ConCal: ST040519E1-1
Lab ID: 0_5892_OPR001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
PCB-1	4.27e+07	2.93	y	1.00	15:15	1.001	0.996	1.006	44.3
PCB-2	*	*	n	0.84	NotFnd	*	0.984	0.994	*
PCB-3	4.87e+07	2.93	y	0.96	17:43	1.000	0.996	1.006	47.6
PCB-4/10	*	*	n	1.81	NotFnd	*	0.998	1.008	*
PCB-7/9	*	*	n	1.48	NotFnd	*	0.997	1.007	*
PCB-6	*	*	n	1.48	NotFnd	*	1.027	1.037	*
PCB-5/8	2.00e+07	1.73	y	1.44	21:37	1.049	1.044	1.054	19.1
PCB-14	*	*	n	1.51	NotFnd	*	1.095	1.107	*
PCB-11	*	*	n	1.45	NotFnd	*	1.148	1.159	*
PCB-12/13	*	*	n	1.50	NotFnd	*	1.165	1.177	*
PCB-15	4.83e+07	1.71	y	1.70	24:25	1.184	1.180	1.192	39.0
PCB-19	*	*	n	1.18	NotFnd	*	0.996	1.006	*
PCB-30	*	*	n	1.67	NotFnd	*	1.034	1.044	*
PCB-18	2.96e+07	1.04	y	0.69	24:19	0.955	0.950	0.960	48.6
PCB-17	*	*	n	0.78	NotFnd	*	0.956	0.966	*
PCB-24/27	*	*	n	0.99	NotFnd	*	0.977	0.987	*
- PCB-16/32	*	*	n	0.85	NotFnd	*	0.995	1.005	*
- PCB-34	*	*	n	1.19	NotFnd	*	0.956	0.966	*
PCB-23	*	*	n	1.33	NotFnd	*	0.959	0.969	*
PCB-29	*	*	n	1.35	NotFnd	*	0.968	0.978	*
PCB-26	*	*	n	1.28	NotFnd	*	0.975	0.985	*
PCB-25	*	*	n	1.33	NotFnd	*	0.980	0.990	*
PCB-31	4.16e+07	1.06	y	1.30	27:12	0.997	0.991	1.001	41.5
PCB-28	4.88e+07	1.06	y	1.54	27:19	1.001	0.996	1.006	41.0
PCB-20/21/33	4.41e+07	1.06	y	1.27	27:53	1.022	1.016	1.026	44.8
PCB-22	4.67e+07	1.05	y	1.33	28:16	1.036	1.031	1.041	45.5
PCB-36	*	*	n	1.47	NotFnd	*	0.930	0.940	*
PCB-39	*	*	n	1.57	NotFnd	*	0.944	0.954	*
PCB-38	*	*	n	1.46	NotFnd	*	0.966	0.976	*
PCB-35	*	*	n	1.42	NotFnd	*	0.982	0.992	*
PCB-37	4.78e+07	1.07	y	1.57	30:51	1.000	0.995	1.005	44.7
PCB-54	*	*	n	0.99	NotFnd	*	0.996	1.006	*
PCB-50	*	*	n	0.73	NotFnd	*	1.037	1.047	*
PCB-53	*	*	n	0.71	NotFnd	*	1.059	1.069	*
PCB-51	*	*	n	0.72	NotFnd	*	1.071	1.081	*
PCB-45	*	*	n	0.62	NotFnd	*	1.087	1.097	*
PCB-46	*	*	n	0.60	NotFnd	*	1.102	1.114	*

Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
PCB-52/69	2.76e+07	0.76	y	0.81	29:30	1.125	1.119	1.131	50.0
PCB-73	*	*	n	0.90	NotFnd	*	1.123	1.135	*
PCB-43/49	2.93e+07	0.76	y	0.71	29:47	1.136	1.129	1.141	60.7
PCB-47	2.93e+07	0.76	y	0.73	29:58	1.143	1.136	1.148	59.1
PCB-48/75	*	*	n	0.86	NotFnd	*	1.141	1.153	*
PCB-65	*	*	n	0.86	NotFnd	*	1.150	1.162	*
PCB-62	*	*	n	0.83	NotFnd	*	1.154	1.166	*
PCB-44	2.40e+07	0.76	y	0.61	30:41	1.170	1.164	1.176	57.4
PCB-42/59	2.47e+07	0.76	y	0.79	30:54	1.178	1.171	1.183	45.9
PCB-41/64/71/72	3.71e+07	0.77	y	0.88	31:26	1.198	1.193	1.205	61.9
PCB-68	*	*	n	0.97	NotFnd	*	1.202	1.214	*
PCB-40	*	*	n	0.53	NotFnd	*	1.208	1.220	*
PCB-57	*	*	n	1.09	NotFnd	*	0.880	0.888	*
PCB-67	*	*	n	1.12	NotFnd	*	0.886	0.895	*
PCB-58	*	*	n	1.08	NotFnd	*	0.889	0.898	*
PCB-63	*	*	n	1.09	NotFnd	*	0.893	0.902	*
PCB-74	3.73e+07	0.77	y	1.15	33:00	0.907	0.900	0.909	48.9
PCB-61	*	*	n	0.91	NotFnd	*	0.903	0.913	*
PCB-70	3.65e+07	0.76	y	1.14	33:10	0.911	0.905	0.915	48.5
PCB-76	*	*	n	0.99	NotFnd	*	0.911	0.921	*
PCB-66	3.74e+07	0.77	y	1.31	33:22	0.917	0.911	0.921	43.1
PCB-80	3.80e+07	0.76	y	1.28	33:36	0.923	0.917	0.927	44.8
PCB-55	*	*	n	1.10	NotFnd	*	0.925	0.935	*
PCB-56/60	3.64e+07	0.76	y	1.09	34:18	0.943	0.936	0.946	50.4
PCB-79	*	*	n	1.12	NotFnd	*	0.965	0.975	*
PCB-78	*	*	n	1.08	NotFnd	*	0.982	0.992	*
PCB-81	3.53e+07	0.77	y	1.16	36:24	1.000	0.995	1.005	46.0
PCB-77	3.37e+07	0.78	y	1.06	36:57	1.000	0.995	1.005	47.7
PCB-104	*	*	n	1.16	NotFnd	*	0.996	1.006	*
PCB-96	*	*	n	1.10	NotFnd	*	1.033	1.043	*
PCB-103	*	*	n	0.91	NotFnd	*	1.050	1.060	*
PCB-100	*	*	n	0.90	NotFnd	*	1.061	1.071	*
PCB-94	*	*	n	0.98	NotFnd	*	0.981	0.991	*
PCB-95/98/102	2.57e+07	1.60	y	1.09	33:25	1.000	0.995	1.005	56.2
PCB-93	*	*	n	1.00	NotFnd	*	0.998	1.008	*
PCB-88/91	1.98e+07	1.58	y	1.00	33:48	1.012	1.006	1.016	47.3
PCB-121	*	*	n	1.49	NotFnd	*	1.009	1.019	*

RL: MONO, TRI: _____ Integrations by Analyst: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 5-20-04

Client ID: 0_5892_OPR001 Filename: 040519E1 S:2 Acq:19-MAY-04 11:55:50 ConCal: ST040519E1-1
Lab ID: 0_5892_OPR001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
	PCB-84/92	3.72e+07	1.57 y	1.01	34:37	0.990	0.985-0.995	91.4
	PCB-89	*	* n	0.96	NotFnd	*	0.990-1.000	*
	PCB-90/101	4.08e+07	1.57 y	1.14	34:58	1.000	0.995-1.005	89.1
	PCB-113	*	* n	1.19	NotFnd	*	1.001-1.011	*
	PCB-99	2.26e+07	1.56 y	1.27	35:16	1.009	1.004-1.014	44.5
	PCB-119	2.82e+07	1.59 y	1.45	35:42	1.021	1.016-1.026	48.4
	PCB-108/112	*	* n	1.15	NotFnd	*	1.020-1.030	*
	PCB-83	*	* n	1.31	NotFnd	*	1.024-1.034	*
	PCB-97	1.89e+07	1.57 y	1.02	36:09	1.034	1.029-1.039	46.0
	PCB-86	1.60e+07	1.56 y	0.91	36:17	1.038	1.032-1.042	43.8
	B-87/117/125	1.91e+07	1.60 y	1.32	36:24	1.041	1.036-1.046	36.1
	PCB-111/115	2.56e+07	1.57 y	1.46	36:33	1.045	1.040-1.050	43.6
	PCB-85/116	*	* n	1.21	NotFnd	*	1.043-1.053	*
	PCB-120	2.33e+07	1.56 y	1.53	36:54	1.055	1.050-1.060	38.1
	PCB-110	2.52e+07	1.56 y	1.47	37:00	1.058	1.054-1.064	42.7
	PCB-82	1.64e+07	1.56 y	0.70	37:34	0.976	0.972-0.982	51.9
	PCB-124	*	* n	1.17	NotFnd	*	0.988-0.998	*
	PCB-107/109	*	* n	1.21	NotFnd	*	0.991-1.001	*
	PCB-123	2.34e+07	1.57 y	1.15	38:29	1.000	0.995-1.005	44.6
-	PCB-106/118	2.60e+07	1.56 y	1.06	38:40	1.000	0.996-1.006	49.0
-	PCB-114	2.78e+07	1.55 y	1.40	39:15	1.000	0.995-1.005	40.4
	PCB-122	*	* n	1.45	NotFnd	*	0.979-0.989	*
	PCB-105	2.77e+07	1.59 y	1.44	40:03	1.001	0.996-1.006	40.0
	PCB-127	2.72e+07	1.60 y	1.35	40:22	1.008	1.004-1.014	41.8
	PCB-126	2.85e+07	1.60 y	1.41	42:05	1.000	0.995-1.005	39.7
	PCB-155	2.17e+04	1.47 n	1.12	34:32	1.000	0.995-1.005	0.0399
	PCB-150	*	* n	1.04	NotFnd	*	1.028-1.038	*
	PCB-152	*	* n	1.03	NotFnd	*	1.041-1.051	*
	PCB-145	*	* n	1.02	NotFnd	*	1.052-1.062	*
	PCB-136	2.18e+07	1.31 y	1.00	36:49	1.066	1.061-1.071	45.2
	PCB-148	*	* n	0.79	NotFnd	*	1.064-1.074	*
	PCB-154	*	* n	0.92	NotFnd	*	1.077-1.087	*
	PCB-151	1.59e+07	1.30 y	0.72	37:57	1.099	1.094-1.104	45.6
	PCB-135	1.64e+07	1.33 y	0.70	38:08	1.104	1.098-1.110	48.2
	PCB-144	*	* n	0.77	NotFnd	*	1.101-1.113	*
	PCB-147	*	* n	0.83	NotFnd	*	1.105-1.117	*
	PCB-139/149	1.73e+07	1.29 y	0.80	38:35	1.117	1.112-1.124	44.7

	Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
-	PCB-140	*	* n	0.80	NotFnd	*	1.117-1.129	*
-	PCB-134/143	*	* n	0.74	NotFnd	*	1.128-1.140	*
	PCB-133/142	*	* n	0.74	NotFnd	*	1.136-1.148	*
	PCB-131	*	* n	0.72	NotFnd	*	1.140-1.152	*
	PCB-146/165	1.84e+07	1.24 y	1.01	39:49	0.991	0.986-0.996	43.7
	PCB-132/161	1.43e+07	1.25 y	0.96	40:02	0.997	0.991-1.001	35.9
	PCB-153	2.09e+07	1.26 y	1.03	40:11	1.001	0.995-1.005	48.8
	PCB-168	2.35e+07	1.24 y	1.11	40:21	1.005	1.000-1.010	50.6
	PCB-141	1.70e+07	1.25 y	0.89	40:50	1.017	1.012-1.022	46.0
	PCB-137	1.71e+07	1.24 y	0.84	41:11	1.025	1.021-1.031	49.1
	PCB-130	*	* n	0.77	NotFnd	*	1.023-1.033	*
	PCB-138/163/164	1.97e+07	1.22 y	1.09	41:36	1.036	1.032-1.042	43.2
	PCB-158/160	2.58e+07	1.25 y	1.16	41:49	1.041	1.037-1.047	53.3
	PCB-129	*	* n	0.73	NotFnd	*	1.042-1.052	*
	PCB-166	2.32e+07	1.25 y	0.93	42:29	0.979	0.974-0.984	45.9
	PCB-159	*	* n	0.99	NotFnd	*	0.981-0.991	*
	PCB-128/162	1.74e+07	1.24 y	0.84	43:01	0.991	0.987-0.997	38.4
	PCB-167	2.63e+07	1.24 y	0.97	43:24	1.000	0.995-1.005	50.4
	PCB-156	2.73e+07	1.23 y	1.04	44:35	1.001	0.995-1.005	49.0
	PCB-157	2.70e+07	1.24 y	0.96	44:48	1.000	0.996-1.006	49.7
	PCB-169	2.47e+07	1.25 y	0.96	46:48	1.001	0.995-1.005	47.9
	PCB-188	*	* n	1.47	NotFnd	*	0.995-1.005	*
	PCB-184	2.22e+07	1.08 y	1.48	40:13	1.011	1.005-1.015	46.8
	PCB-179	2.10e+07	1.04 y	1.38	40:55	1.028	1.023-1.033	47.5
	PCB-176	*	* n	1.34	NotFnd	*	1.034-1.044	*
	PCB-186	*	* n	1.38	NotFnd	*	1.048-1.058	*
	PCB-178	1.63e+07	1.05 y	0.99	42:20	1.064	1.059-1.069	51.3
	PCB-175	*	* n	0.98	NotFnd	*	1.067-1.077	*
	PCB-182/187	1.83e+07	1.07 y	1.16	42:48	1.075	1.071-1.081	49.5
	PCB-183	2.17e+07	1.06 y	1.12	43:07	1.083	1.078-1.088	60.8
	PCB-185	1.76e+07	1.06 y	1.38	43:43	0.956	0.952-0.962	48.5
	PCB-174	1.76e+07	1.05 y	1.46	44:02	0.963	0.959-0.969	45.9
	PCB-181	*	* n	1.42	NotFnd	*	0.961-0.971	*
	PCB-177	1.57e+07	1.06 y	1.35	44:17	0.969	0.964-0.974	44.3
	PCB-171	1.72e+07	1.07 y	1.45	44:33	0.975	0.970-0.980	45.0
	PCB-173	*	* n	1.29	NotFnd	*	0.978-0.988	*
	PCB-172	*	* n	1.30	NotFnd	*	0.987-0.997	*

RL: MONO, TRI: _____ Integrations by Analyst: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 5-20-04

Client ID: 0_5892_OPR001 Filename: 040519E1 S:2 Acq:19-MAY-04 11:55:50 ConCal: ST040519E1-1
Lab ID: 0_5892_OPR001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
	PCB-192	*	* n	1.70	NotFnd	*	0.991	1.001	*
	PCB-180	4.71e+07	1.05 y	1.50	45:43	1.000	0.995	1.005	119
	PCB-193	*	* n	1.94	NotFnd	*	0.999	1.009	*
	PCB-191	2.15e+07	1.07 y	1.79	46:08	1.009	1.004	1.014	45.5
	PCB-170	1.67e+07	1.06 y	1.53	47:05	1.000	0.995	1.005	47.7
	PCB-190	2.10e+07	1.06 y	2.02	47:15	1.004	0.999	1.009	45.7
	PCB-189	2.39e+07	1.04 y	1.42	48:29	1.000	0.995	1.005	45.6
	PCB-202	1.97e+07	0.92 y	1.00	44:43	1.000	0.996	1.006	50.6
	PCB-201	1.99e+07	0.91 y	0.99	45:09	1.010	1.005	1.015	52.0
	PCB-204	*	* n	1.02	NotFnd	*	1.008	1.018	*
	PCB-197	*	* n	1.04	NotFnd	*	1.014	1.025	*
	PCB-200	*	* n	0.98	NotFnd	*	1.032	1.042	*
	PCB-198	1.31e+07	0.88 y	0.68	47:37	1.065	1.060	1.070	49.8
	PCB-199	1.39e+07	0.91 y	0.74	47:43	1.067	1.062	1.072	48.6
-	PCB-196/203	2.92e+07	0.90 y	0.79	47:58	1.073	1.068	1.078	94.9
-	PCB-195	2.00e+07	0.91 y	1.18	49:03	0.984	0.979	0.989	43.9
	PCB-194	2.27e+07	0.92 y	1.28	49:53	1.000	0.995	1.005	45.8
	PCB-205	2.95e+07	0.91 y	1.67	50:08	1.005	1.000	1.010	45.6
	PCB-208	2.09e+07	1.36 y	0.94	49:11	1.000	0.995	1.005	48.5
	PCB-207	2.13e+07	1.34 y	0.84	49:28	1.006	1.001	1.014	55.6
	PCB-206	1.65e+07	1.34 y	0.88	51:18	1.000	0.995	1.005	53.1
	PCB-209	2.40e+07	1.18 y	1.11	52:31	1.000	0.995	1.005	44.9

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	9.14e+07	2.93 y	15:15	0.93	92.0	
Total Di-PCB	6.83e+07	1.73 y	21:37	1.51	58.1	
Total Tri-PCB	2.96e+07	1.04 y	24:19	0.99	48.6	
Total Tri-PCB	2.29e+08	1.06 y	27:12	1.38	218	Sum:266
Total Tetra-PCB	4.26e+08	0.76 y	29:30	0.81	664	
Total Penta-PCB	3.68e+08	1.60 y	33:25	1.10	773	
Total Penta-PCB	1.11e+08	1.55 y	39:15	1.41	162	Sum:935
Total Hexa-PCB	7.15e+07	1.31 y	36:49	0.88	184	
Total Hexa-PCB	3.03e+08	1.24 y	39:49	0.92	652	Sum:836
Total Hepta-PCB	2.98e+08	1.08 y	40:13	1.37	743	
Total Octa-PCB	9.58e+07	0.92 y	44:43	0.89	296	
Total Octa-PCB	7.22e+07	0.91 y	49:03	1.38	135	Sum:431
Total Nona-PCB	5.87e+07	1.36 y	49:11	0.89	157	
Total Deca-PCB	2.40e+07	1.18 y	52:31	1.11	44.9	

RL: MONO, TRI: _____ Integrations by

RL: DI, TETRA - HEPTA: _____ Analyst: _____

RL: OCTA - DECA: _____ Date: 5-20-04

Client ID: 0_5892_OPR001 Filename: 040519E1 S:2 Acq:19-MAY-04 11:55:50 ConCal: ST040519E1-1
Lab ID: 0_5892_OPR001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

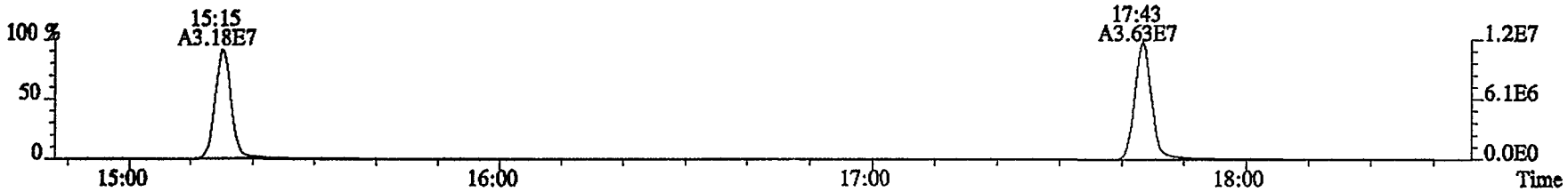
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	9.66e+07	3.22 y	1.09	15:14	0.625	0.624-0.630	73.2	73.2
13C-PCB-3	1.06e+08	3.14 y	1.24	17:43	0.726	0.723-0.731	70.4	70.4
13C-PCB-4	4.65e+07	1.57 y	0.59	18:56	0.776	0.774-0.782	65.2	65.2
13C-PCB-9	7.29e+07	1.57 y	0.90	20:37	0.845	0.842-0.850	66.8	66.8
13C-PCB-19	4.98e+07	1.06 y	0.70	22:47	0.838	0.835-0.843	74.9	74.9
13C-PCB-28	7.71e+07	1.10 y	1.09	27:17	1.004	0.998-1.008	74.3	74.3
13C-PCB-32	8.86e+07	1.04 y	1.18	25:29	0.937	0.932-0.942	79.1	79.1
13C-PCB-37	6.81e+07	1.07 y	0.93	30:51	1.135	1.128-1.140	77.1	77.1
13C-PCB-54	6.83e+07	0.81 y	1.15	26:14	0.765	0.762-0.770	64.4	64.4
13C-PCB-77	6.67e+07	0.79 y	1.01	36:56	1.077	1.071-1.081	71.6	71.6
13C-PCB-81	6.61e+07	0.79 y	0.98	36:23	1.061	1.056-1.066	73.3	73.3
13C-PCB-95	4.18e+07	1.56 y	0.73	33:25	0.914	0.910-0.920	80.5	80.5
13C-PCB-101	4.01e+07	1.61 y	0.73	34:58	0.956	0.952-0.962	76.9	76.9
13C-PCB-104	5.34e+07	1.54 y	0.93	30:32	0.835	0.832-0.840	80.0	80.0
13C-PCB-105	4.82e+07	1.60 y	1.09	40:02	0.962	0.957-0.967	87.4	87.4
13C-PCB-114	4.92e+07	1.60 y	1.13	39:15	0.944	0.938-0.948	85.7	85.7
13C-PCB-118	5.00e+07	1.58 y	0.98	38:39	1.057	1.053-1.063	71.1	71.1
13C-PCB-123	4.54e+07	1.57 y	0.87	38:29	1.053	1.048-1.058	72.5	72.5
13C-PCB-126	5.09e+07	1.59 y	1.06	42:05	1.012	1.006-1.016	95.0	95.0
13C-PCB-153	4.17e+07	1.27 y	1.12	40:10	0.966	0.961-0.971	73.4	73.4
13C-PCB-155	4.85e+07	1.25 y	0.97	34:32	0.830	0.827-0.835	69.7	69.7
13C-PCB-156	5.34e+07	1.28 y	1.24	44:33	1.071	1.066-1.076	84.4	84.4
13C-PCB-157	5.65e+07	1.28 y	1.33	44:48	1.077	1.072-1.082	83.6	83.6
13C-PCB-167	5.41e+07	1.30 y	1.28	43:24	1.043	1.038-1.048	82.8	82.8
13C-PCB-169	5.38e+07	1.29 y	1.26	46:46	1.125	1.118-1.130	83.8	83.8
13C-PCB-170	2.28e+07	0.46 y	0.56	47:04	1.132	1.125-1.137	80.5	80.5
13C-PCB-180	2.63e+07	0.45 y	0.65	45:43	1.099	1.094-1.104	79.3	79.3
13C-PCB-188	3.19e+07	0.45 y	0.92	39:48	0.957	0.952-0.962	68.0	68.0
13C-PCB-189	3.68e+07	0.46 y	0.85	48:29	1.166	1.158-1.170	85.7	85.7
13C-PCB-194	3.87e+07	0.92 y	0.71	49:52	0.995	0.990-1.000	81.3	81.3
13C-PCB-202	3.87e+07	0.92 y	1.02	44:42	1.075	1.070-1.080	75.0	75.0
13C-PCB-206	3.54e+07	0.77 y	0.65	51:18	1.024	1.019-1.029	81.6	81.6
13C-PCB-208	4.57e+07	0.81 y	0.94	49:10	0.981	0.977-0.987	73.0	73.0
13C-PCB-209	4.81e+07	1.20 y	0.97	52:31	1.048	1.044-1.054	74.1	74.1
13C-PCB-15	1.21e+08	1.59 y	1.00	24:24			100	-
13C-PCB-31	9.50e+07	1.08 y	1.00	27:11			100	-
13C-PCB-60	9.23e+07	0.80 y	1.00	34:18			100	-
13C-PCB-111	7.16e+07	1.58 y	1.00	36:33			100	-
13C-PCB-138	5.08e+07	1.29 y	1.00	41:35			100	-
13C-PCB-205	6.69e+07	0.93 y	1.00	50:07			100	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	6.69e+07	0.78	y	29:29	0.82	124	124
13C-PCB-178	2.74e+07	0.46	y	42:20	0.90	116	116

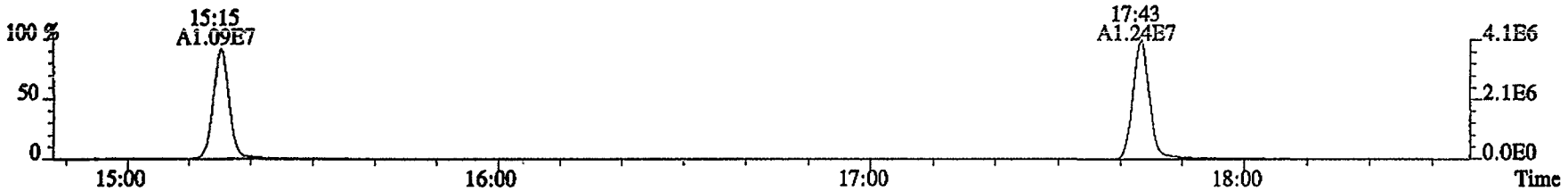
Integrations by
Analyst: [signature]

Date: 5-20-04

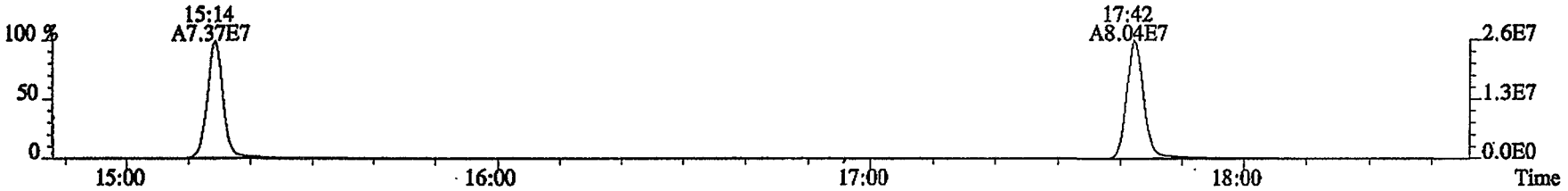
File:040519E1 #1-728 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
188.0393 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1868.0,0.00%,F,F)



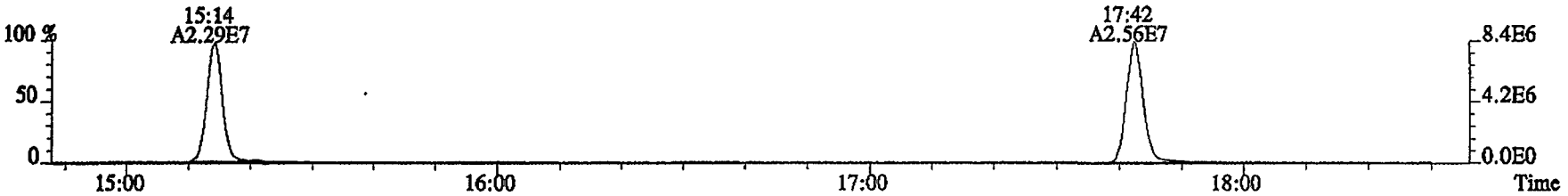
190.0363 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,976.0,0.00%,F,F)



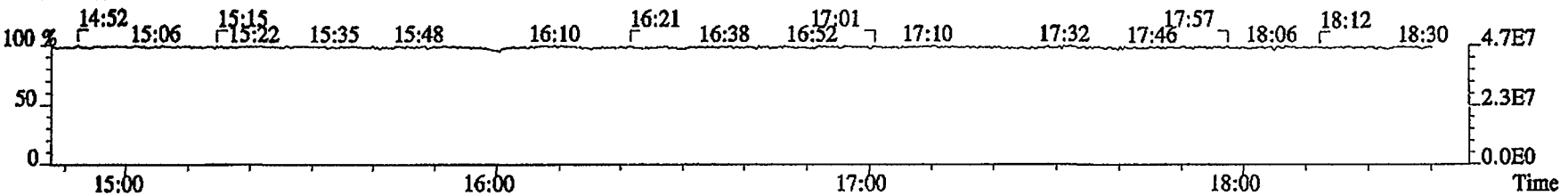
200.0795 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3592.0,0.00%,F,F)



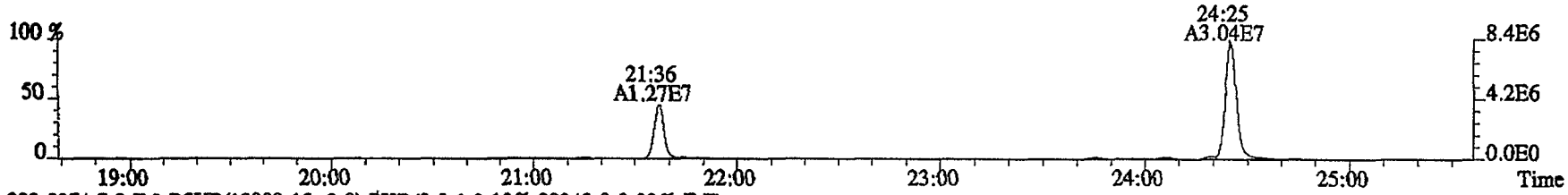
202.0766 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,42048.0,0.00%,F,F)



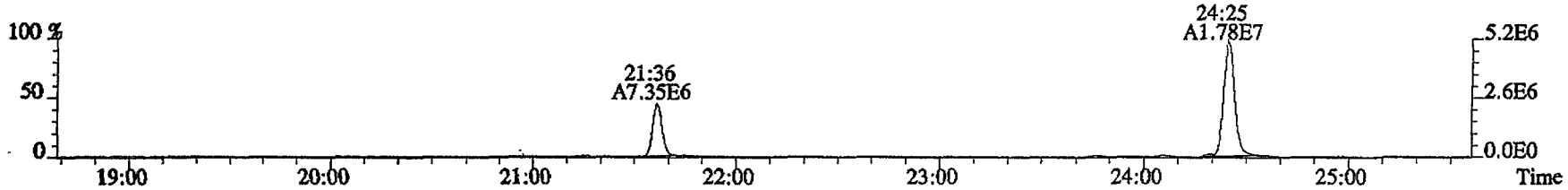
180.9880 S:2



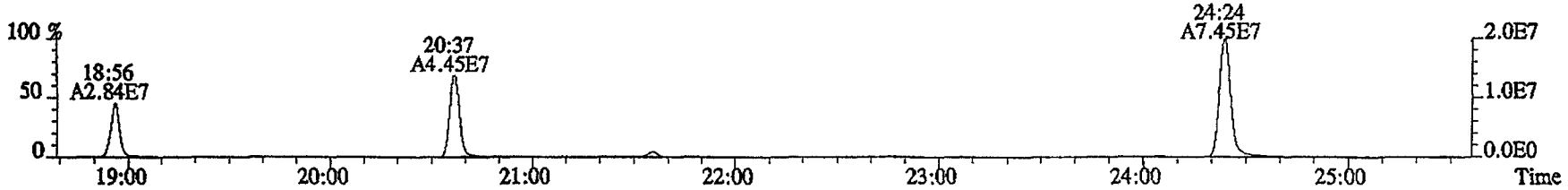
File:040519E1 #1-686 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4332.0,0.00%,F,F)



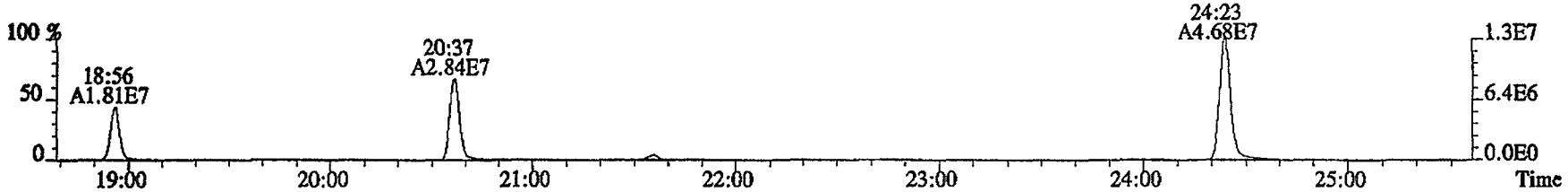
223.9974 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29348.0,0.00%,F,F)



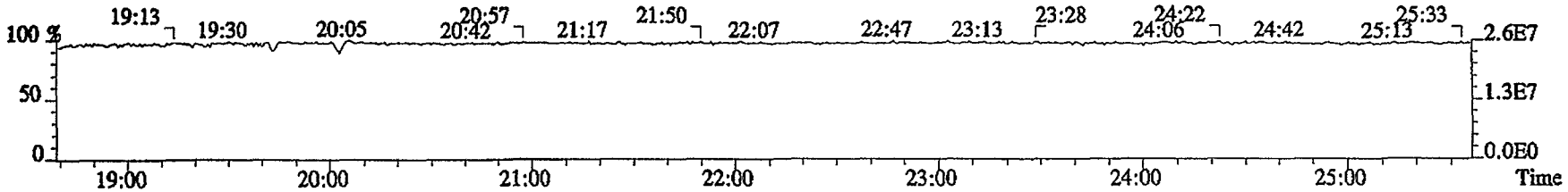
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1200.0,0.00%,F,F)



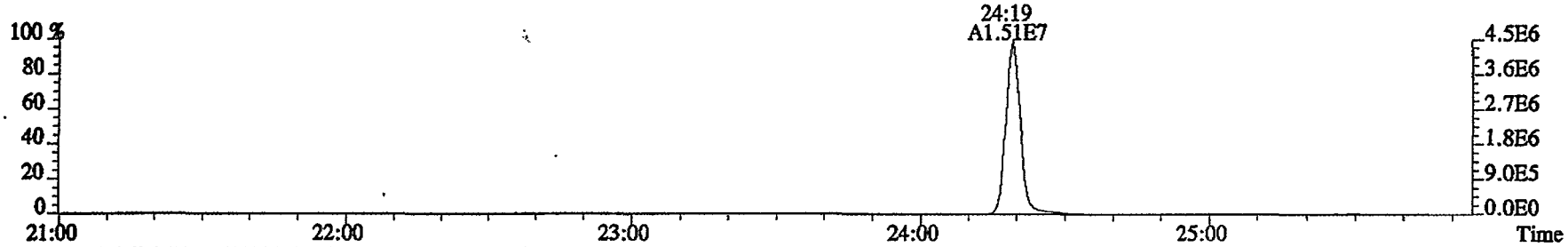
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,948.0,0.00%,F,F)



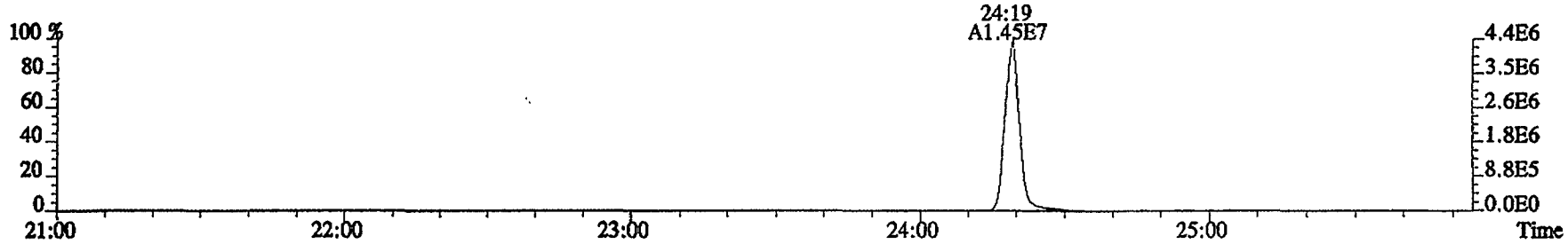
230.9856 S:2 F:2



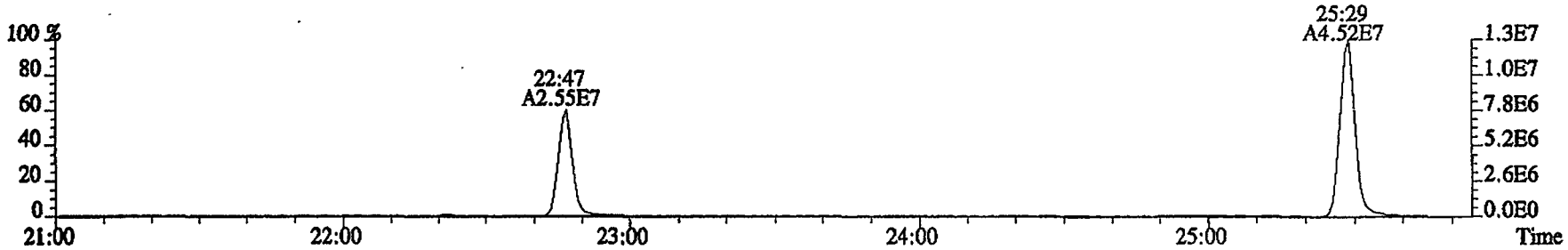
File:040519E1 #1-686 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
255.9613 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2140.0,0.00%,F,F)



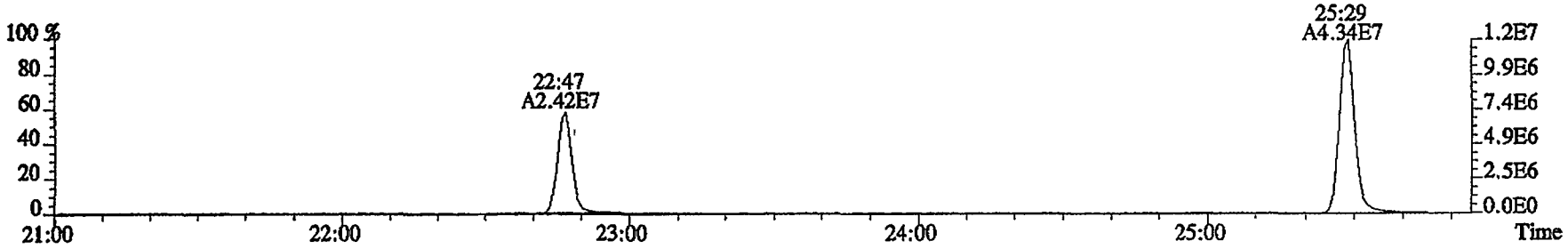
257.9584 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



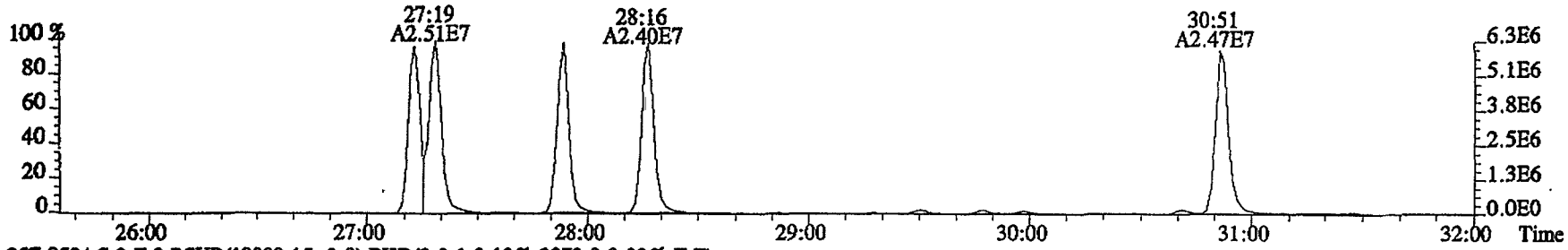
268.0016 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,40320.0,0.00%,F,F)



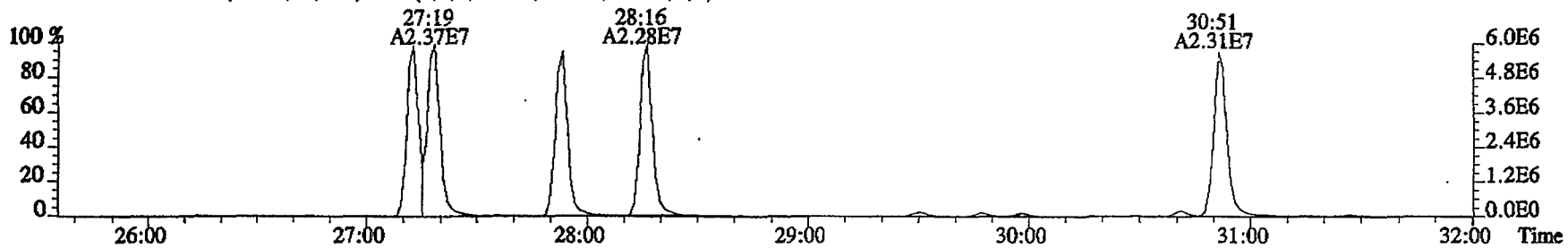
269.9986 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,24028.0,0.00%,F,F)



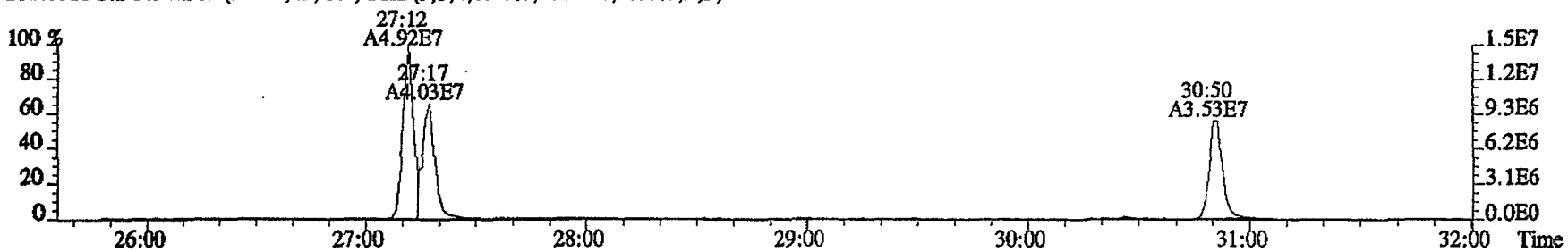
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
255.9613 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4264.0,0.00%,F,F)



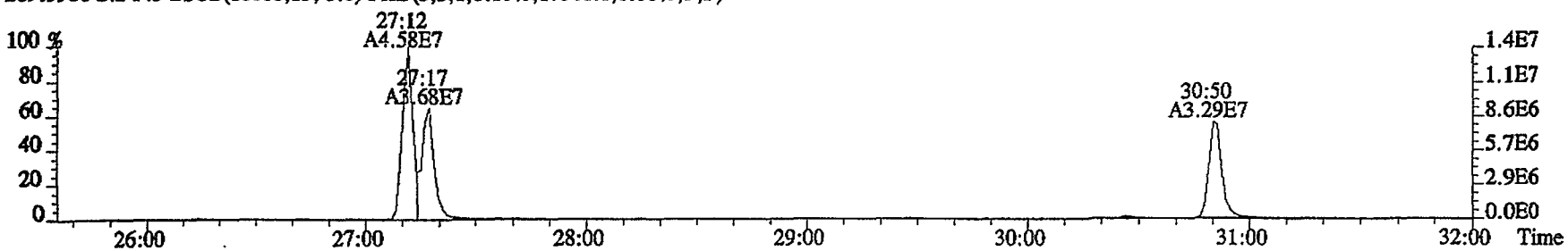
257.9584 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2372.0,0.00%,F,F)



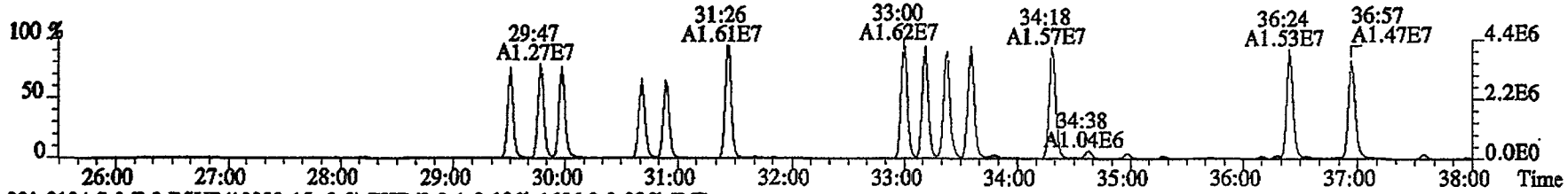
268.0016 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,46012.0,0.00%,F,F)



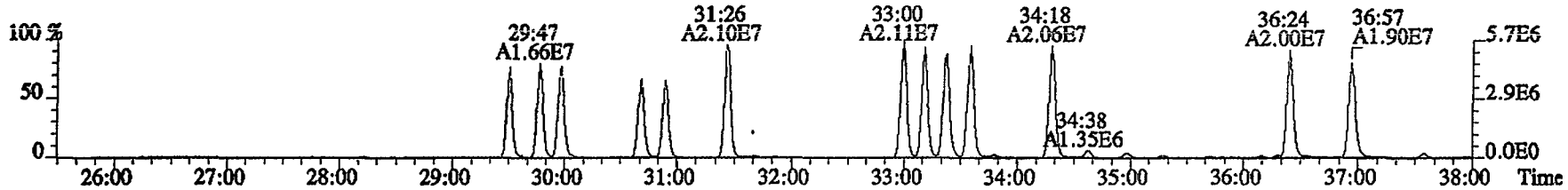
269.9986 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17368.0,0.00%,F,F)



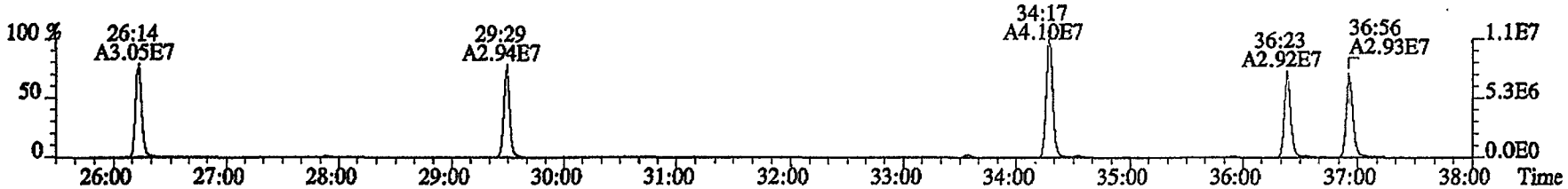
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,944.0,0.00%,F,F)



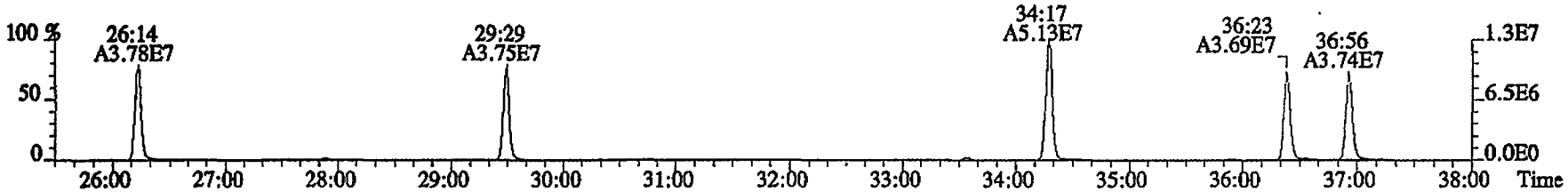
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1656.0,0.00%,F,F)



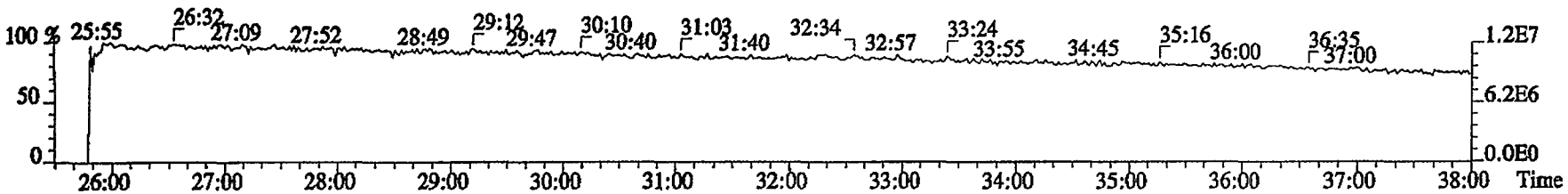
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2752.0,0.00%,F,F)



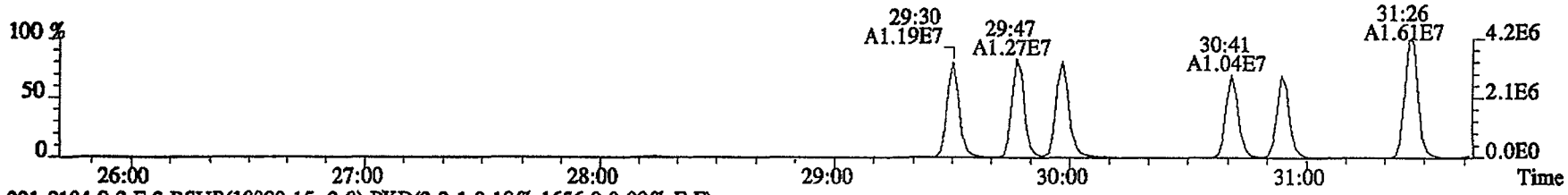
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1860.0,0.00%,F,F)



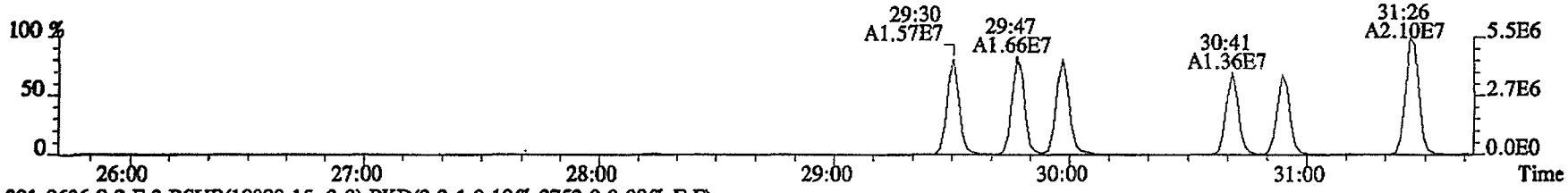
330.9792 S:2 F:3



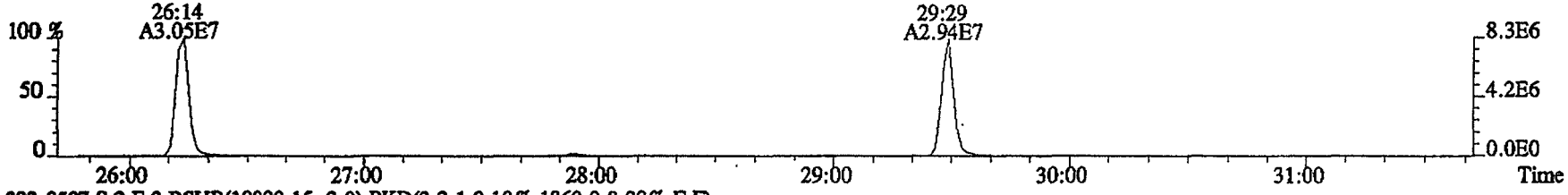
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,944.0,0.00%,F,F)



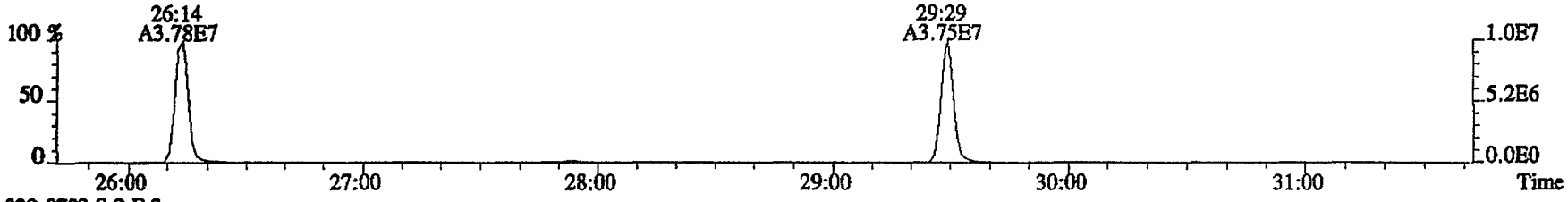
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1656.0,0.00%,F,F)



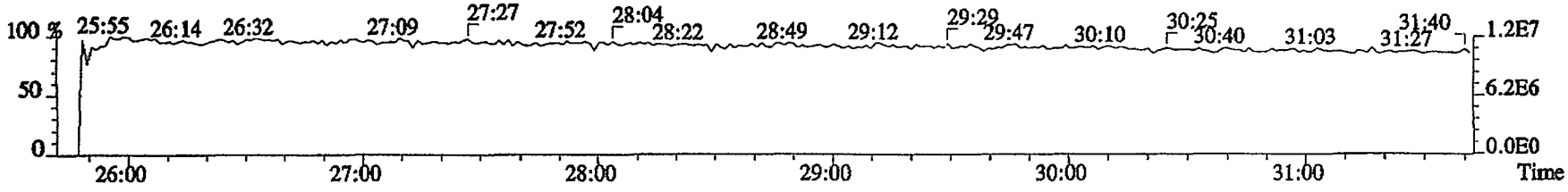
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2752.0,0.00%,F,F)



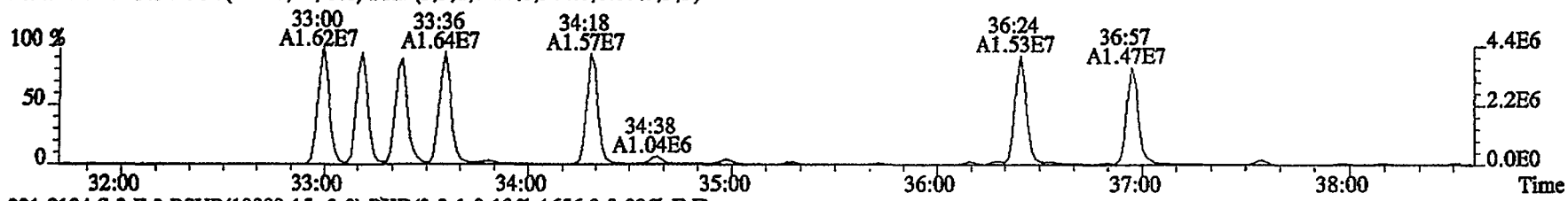
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1860.0,0.00%,F,F)



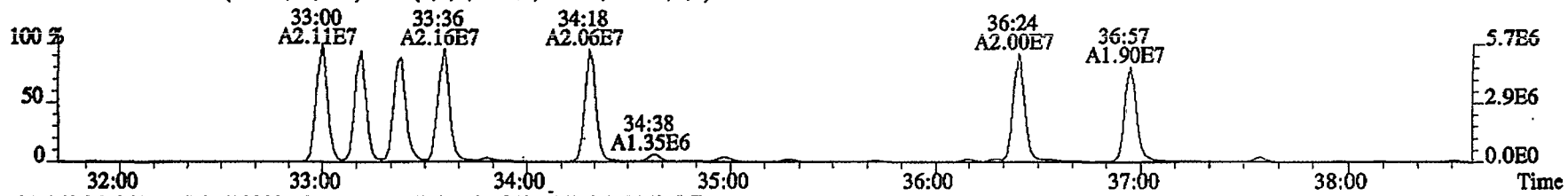
330.9792 S:2 F:3



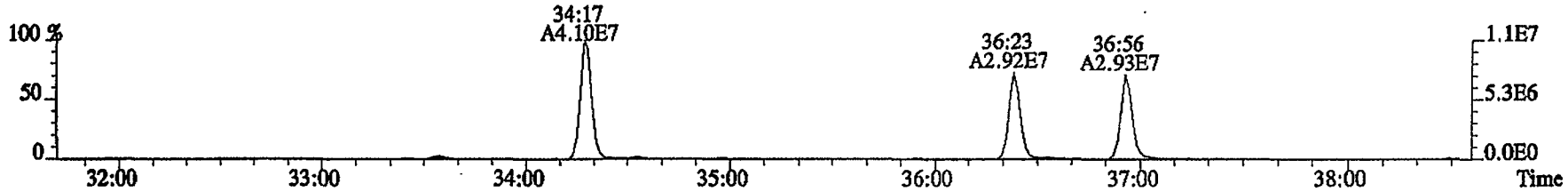
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,944.0,0.00%,F,F)



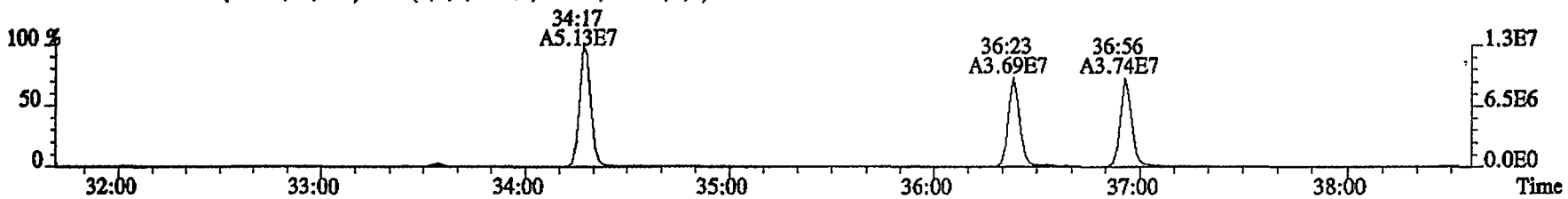
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1656.0,0.00%,F,F)



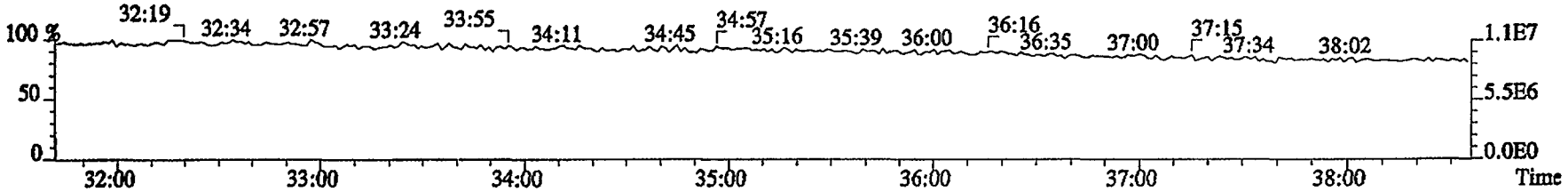
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2752.0,0.00%,F,F)



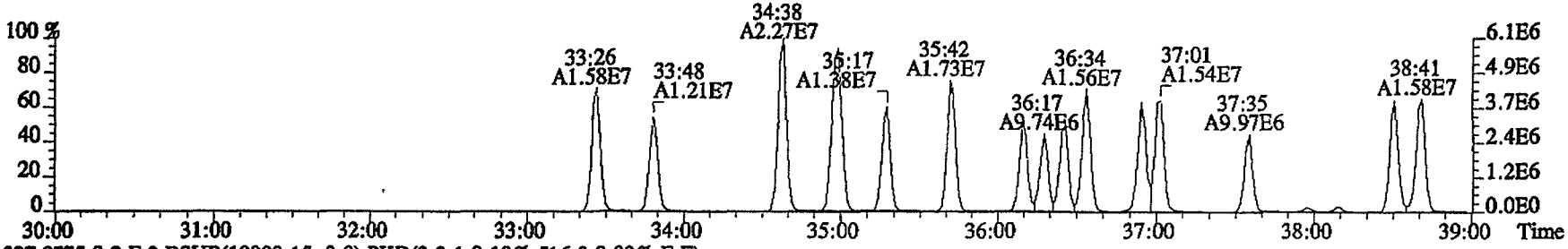
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1860.0,0.00%,F,F)



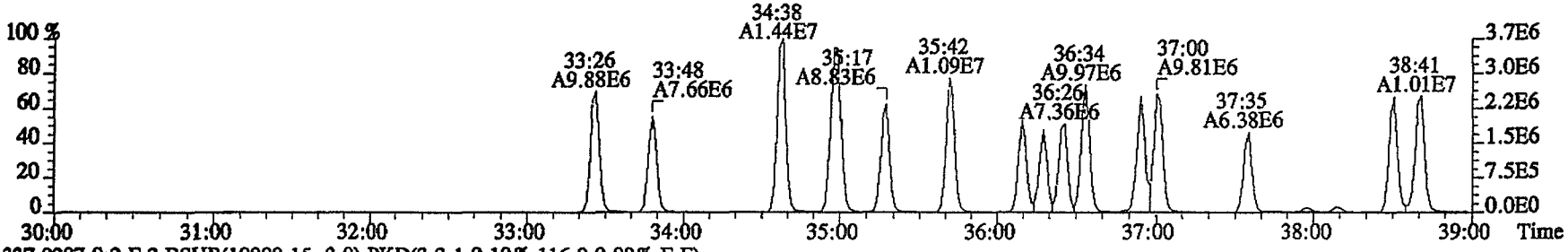
330.9792 S:2 F:3



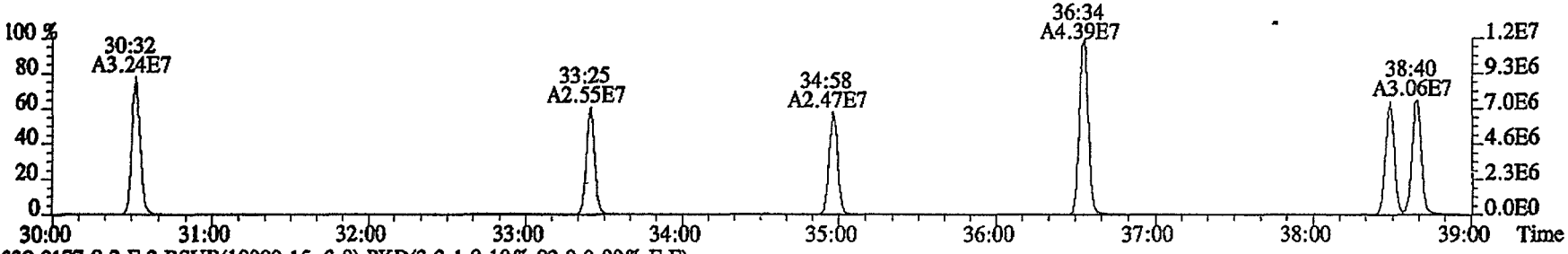
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



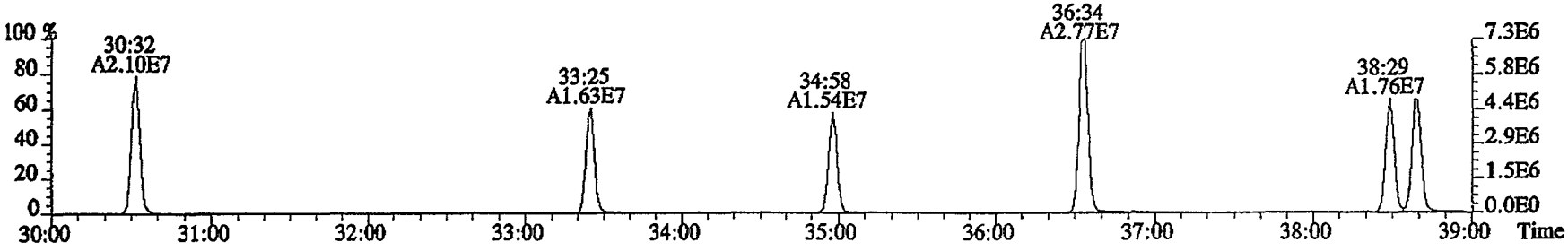
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



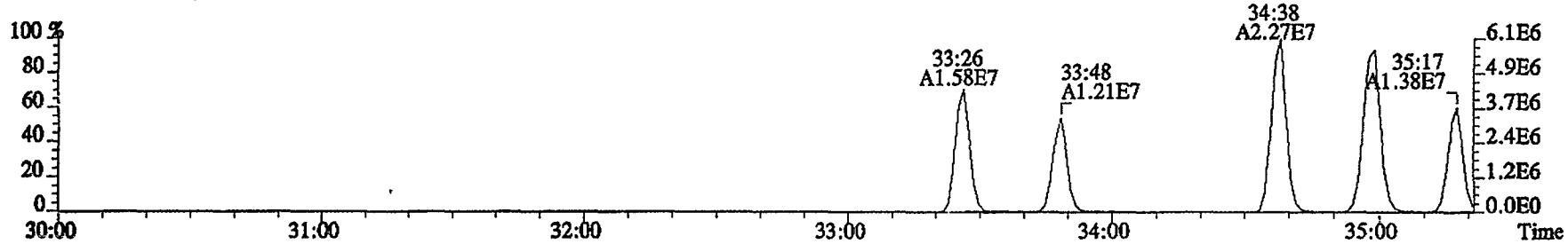
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



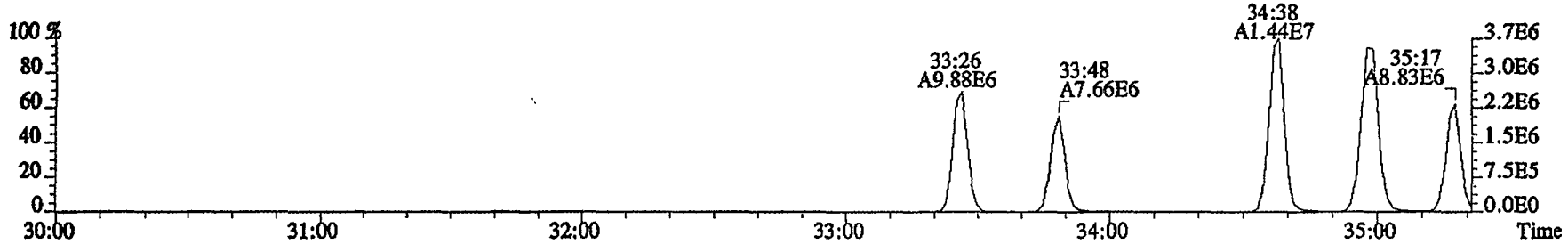
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



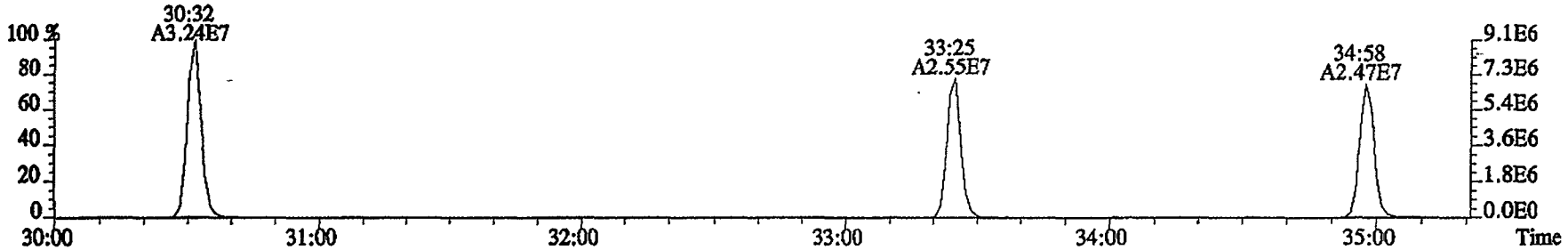
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



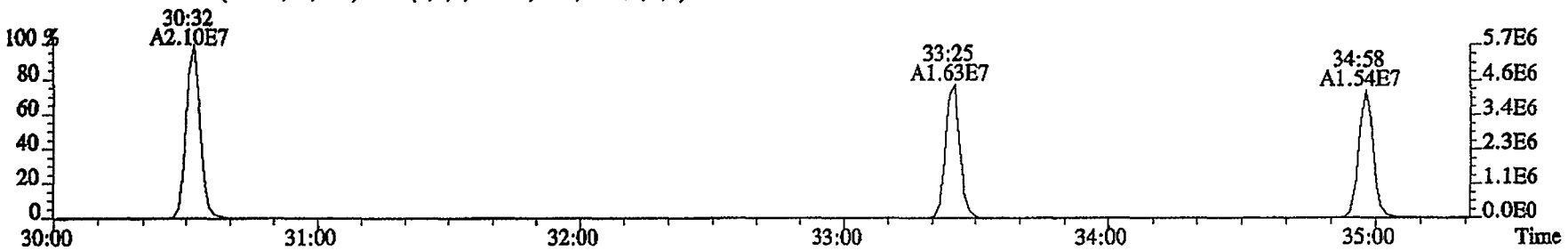
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



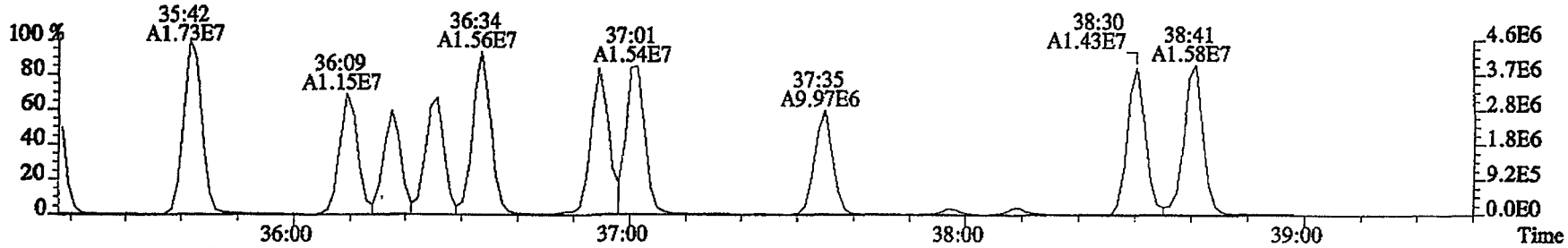
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



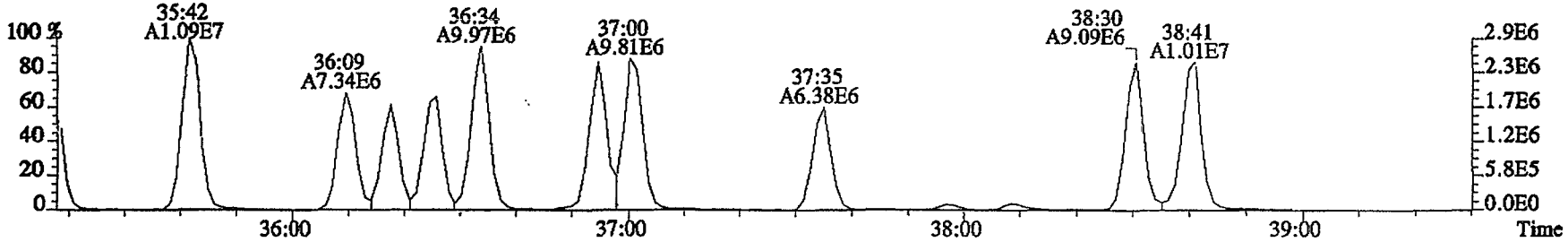
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



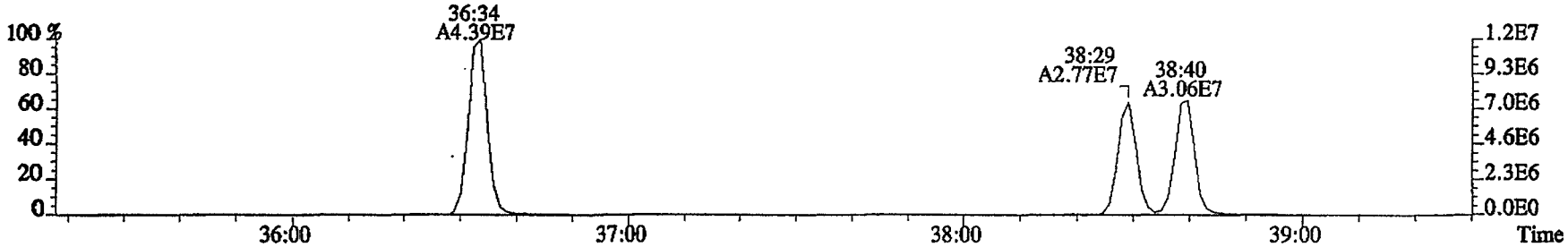
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



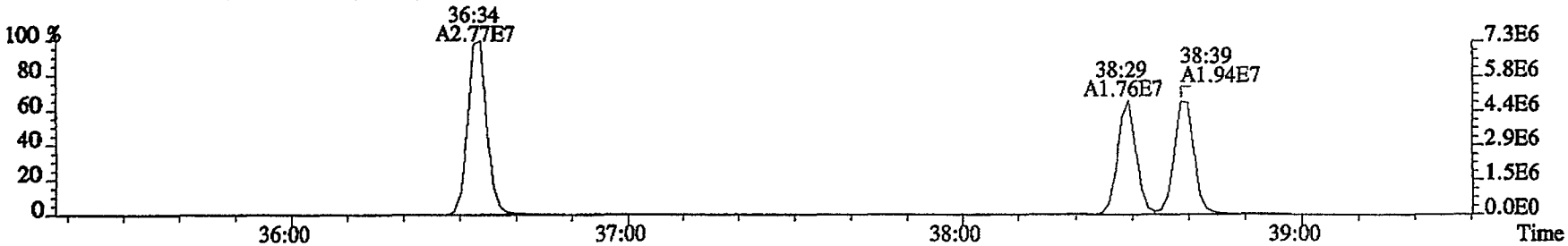
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



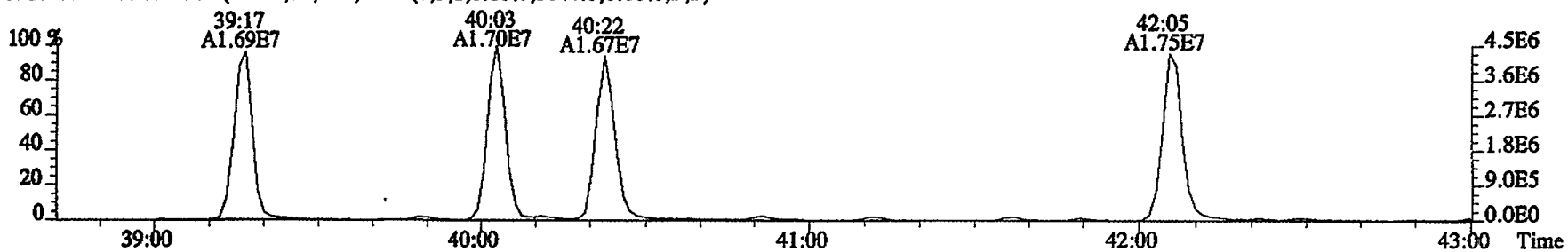
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



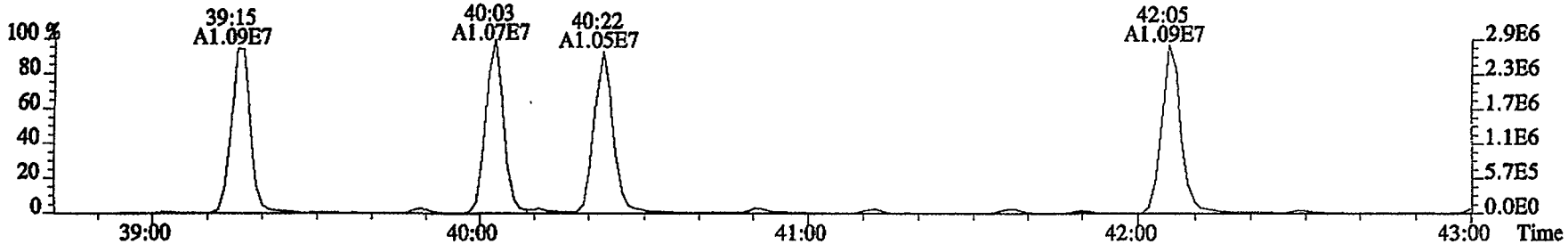
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



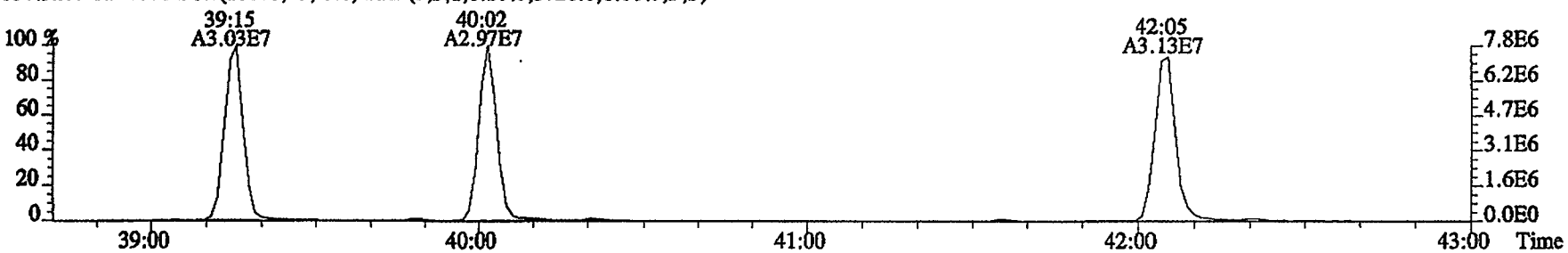
File:040519E1 #1-510 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
325.8804 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3844.0,0.00%,F,F)



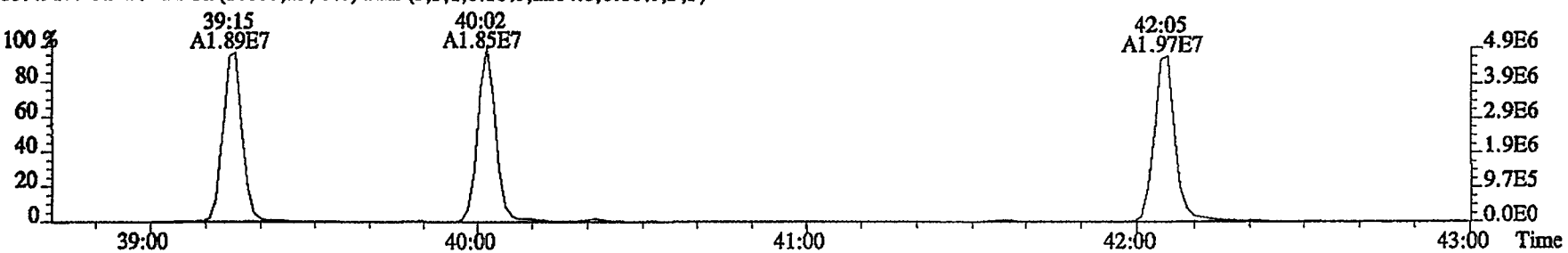
327.8775 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2884.0,0.00%,F,F)



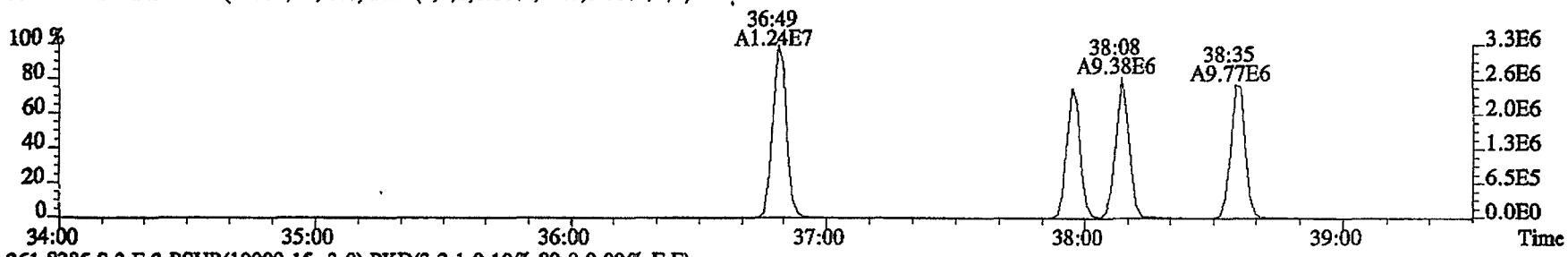
337.9207 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3728.0,0.00%,F,F)



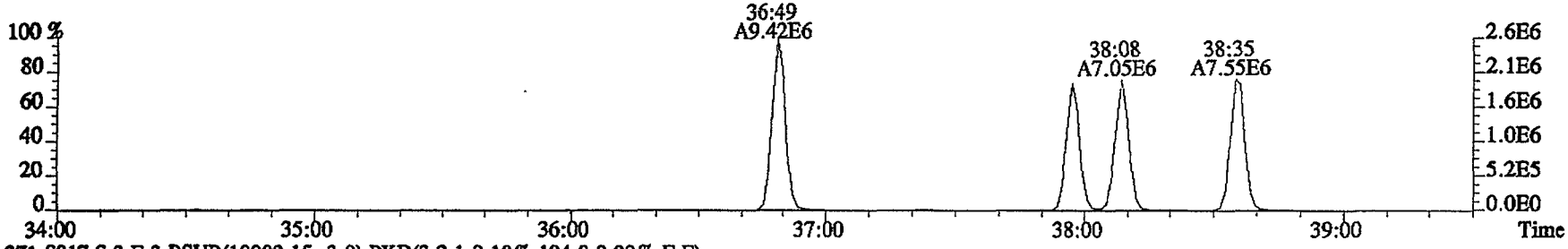
339.9177 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2204.0,0.00%,F,F)



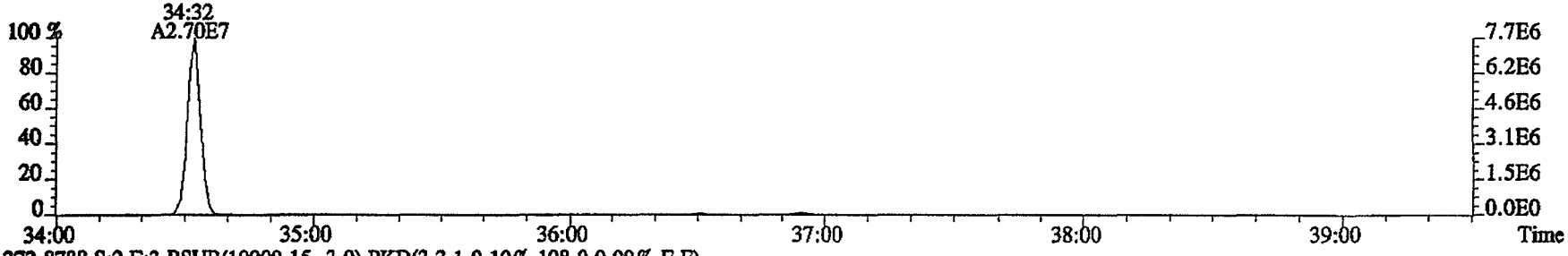
File:040519E1 #1-685 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
359.8415 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



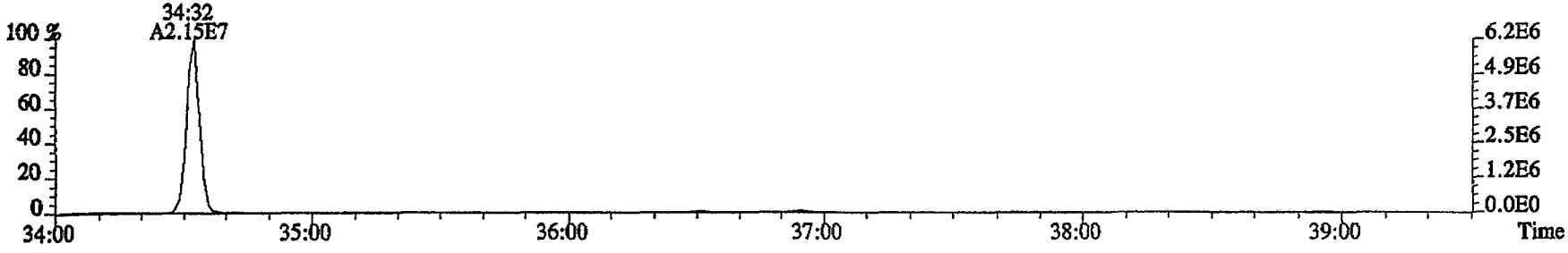
361.8385 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



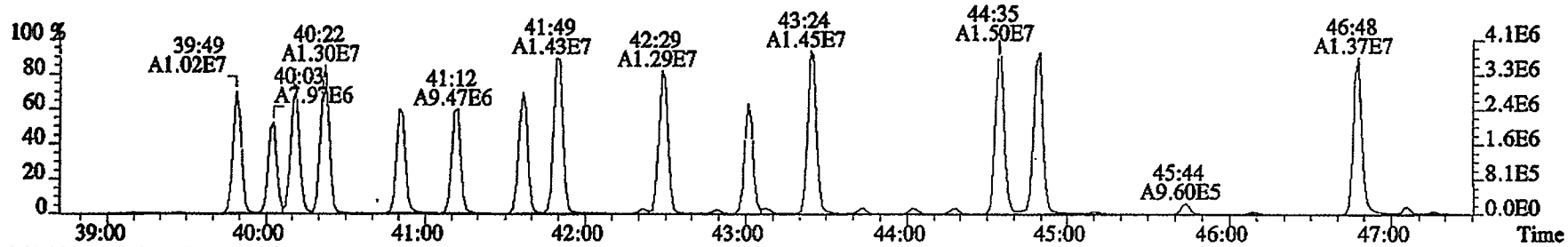
371.8817 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



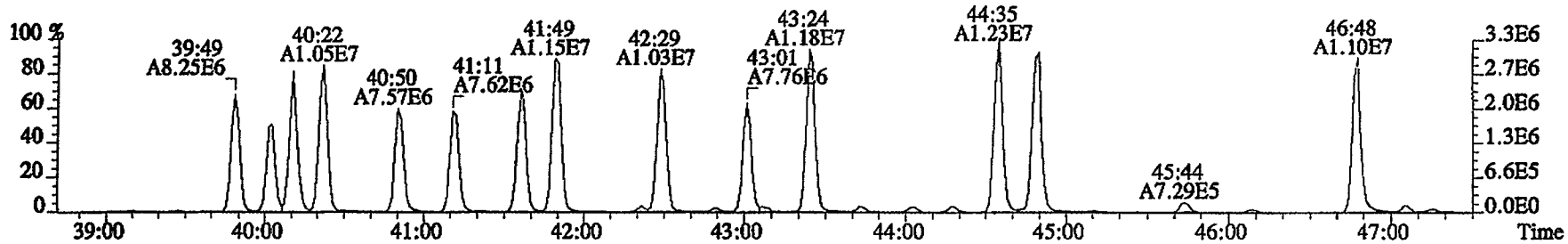
373.8788 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



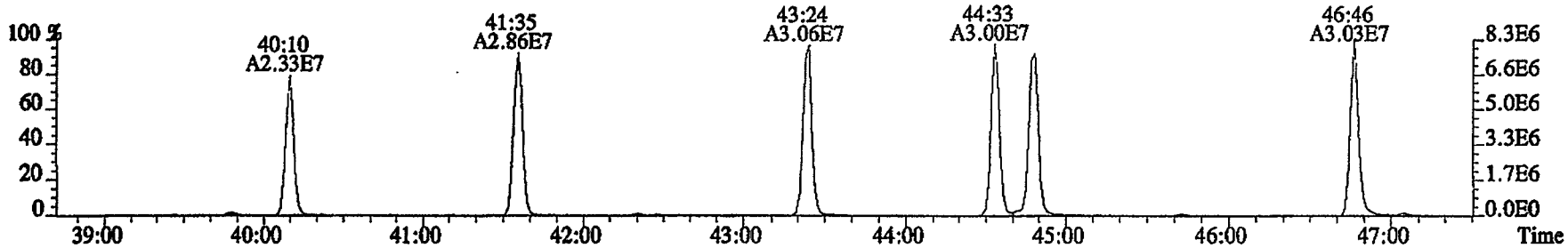
File:040519E1 #1-510 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
359.8415 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5596.0,0.00%,F,F)



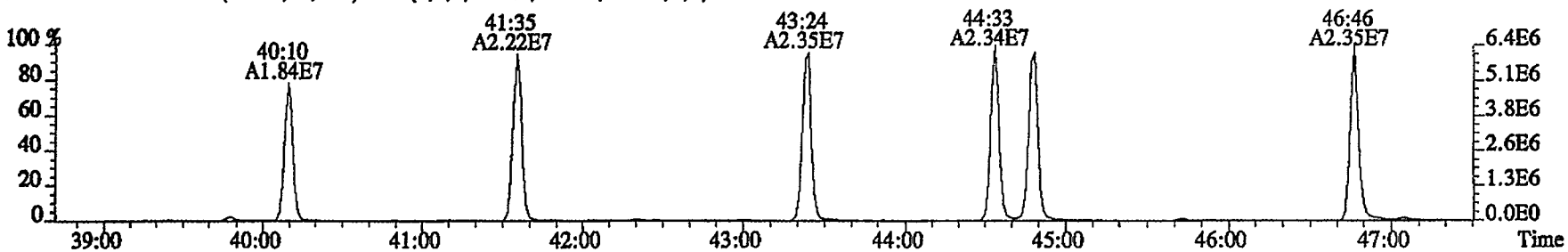
361.8385 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2336.0,0.00%,F,F)



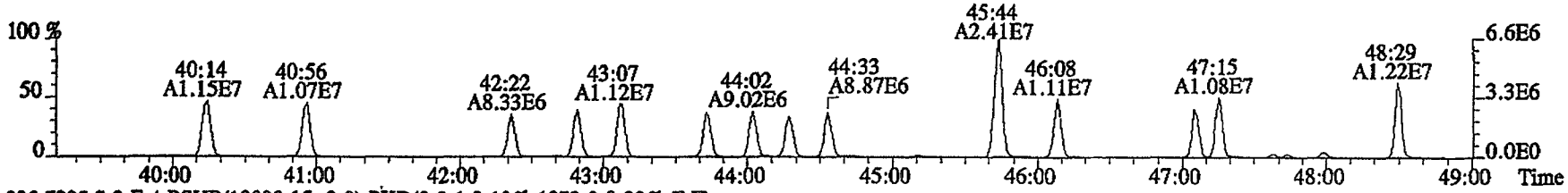
371.8817 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4488.0,0.00%,F,F)



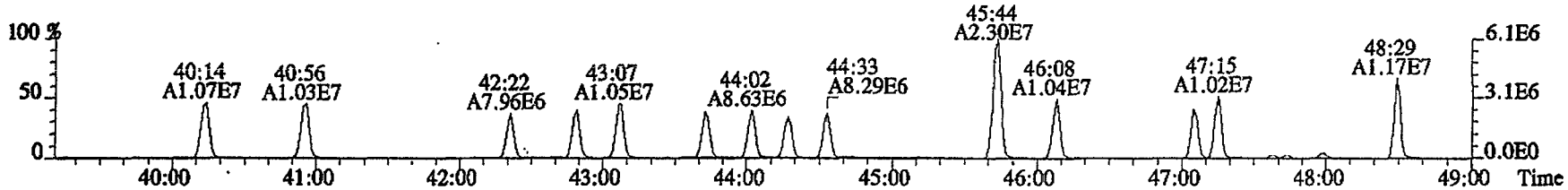
373.8788 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3664.0,0.00%,F,F)



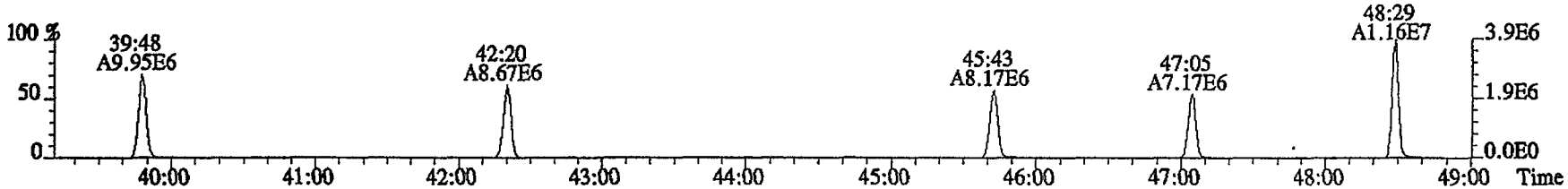
File:040519E1 #1-510 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
393.8025 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1680.0,0.00%,F,F)



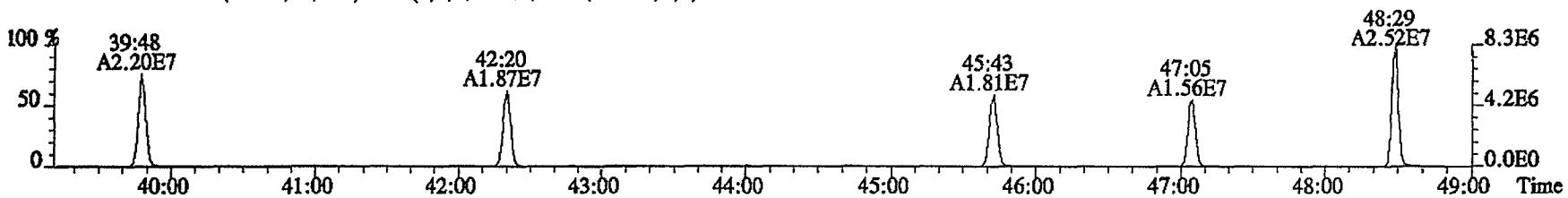
395.7995 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1372.0,0.00%,F,F)



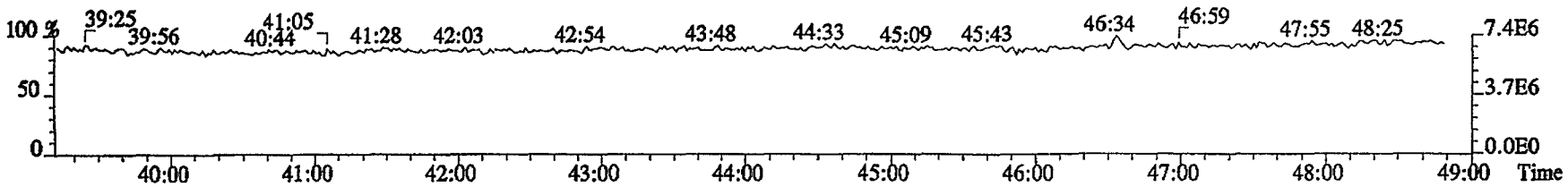
403.8457 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



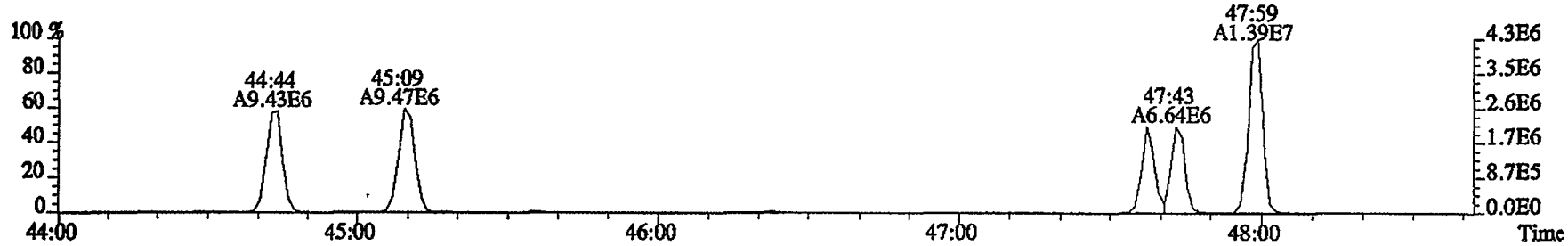
405.8428 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



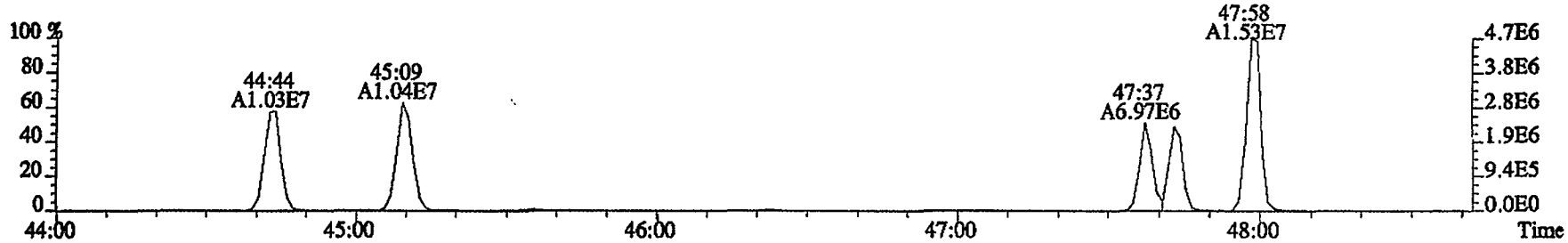
380.9760 S:2 F:4



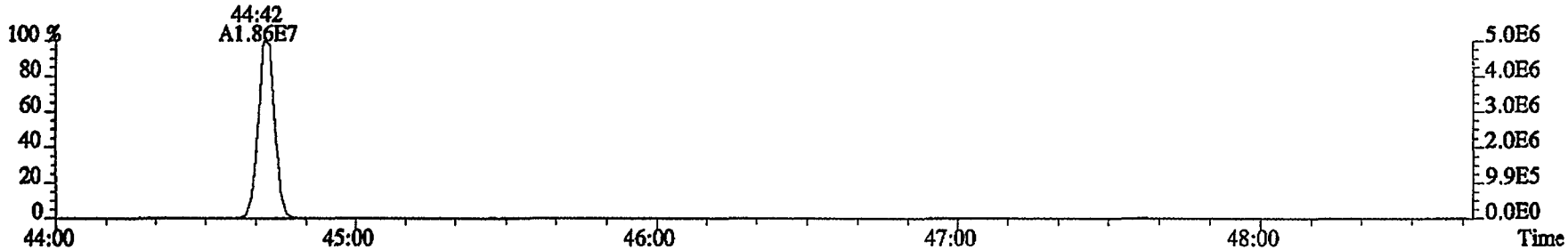
File:040519E1 #1-510 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
427.7635 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



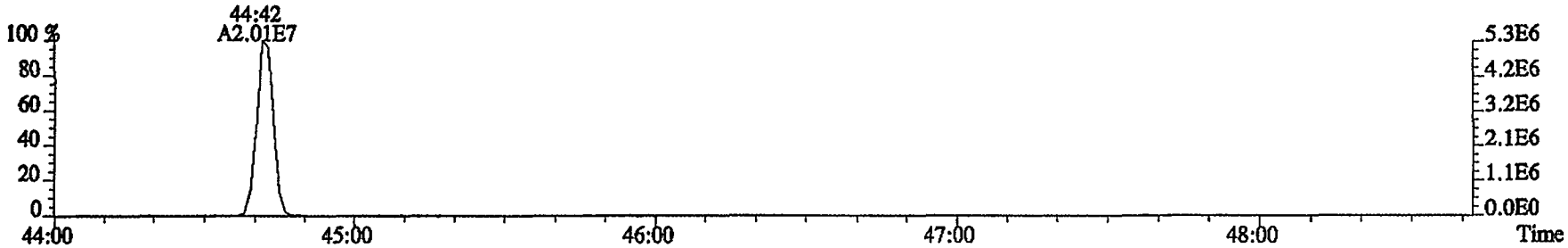
429.7606 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



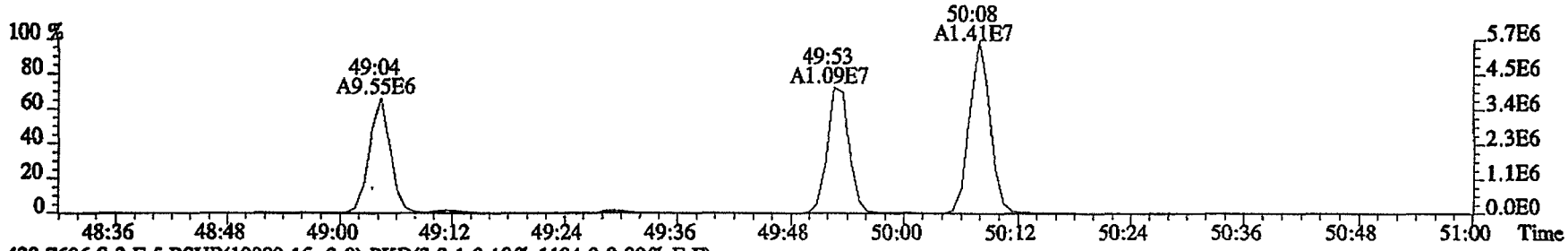
439.8038 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



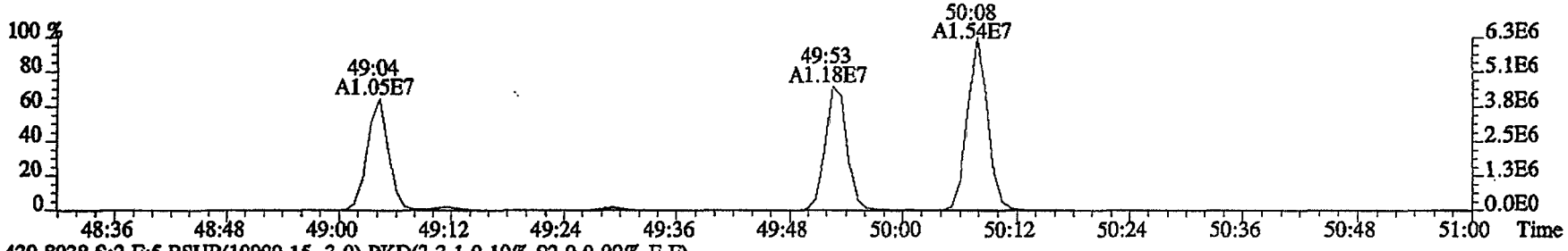
441.8008 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



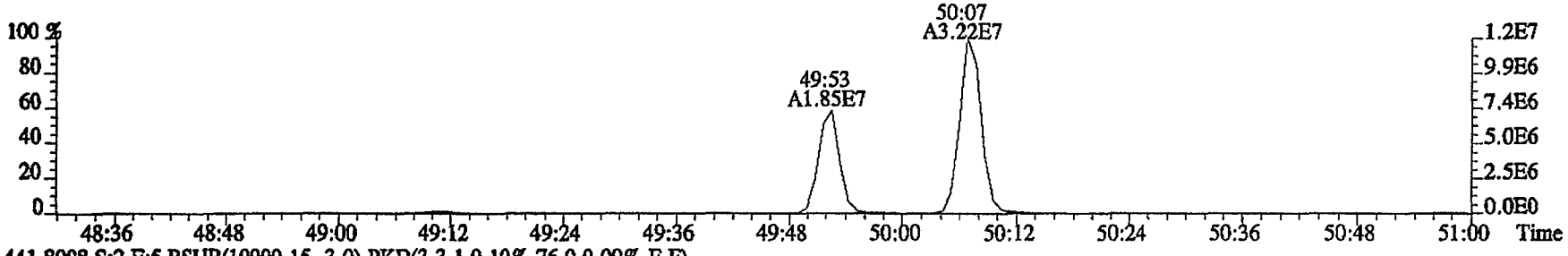
File:040519E1 #1-414 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
427.7635 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,632.0,0.00%,F,F)



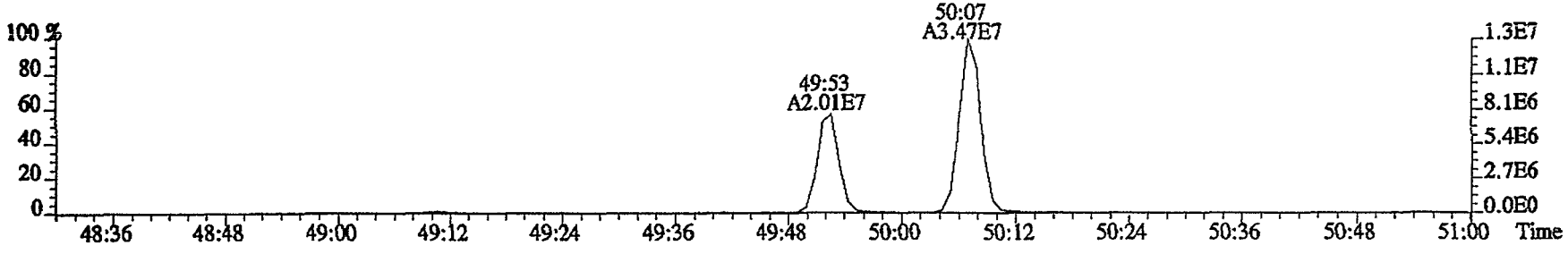
429.7606 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1184.0,0.00%,F,F)



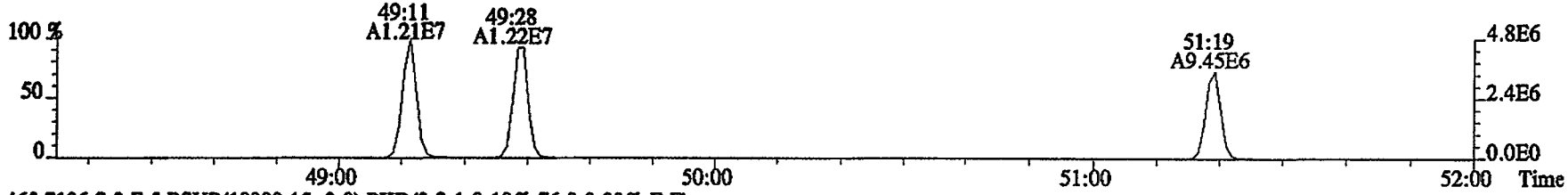
439.8038 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



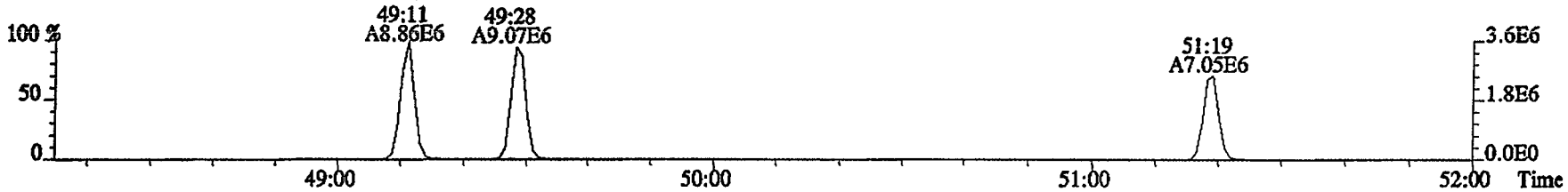
441.8008 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



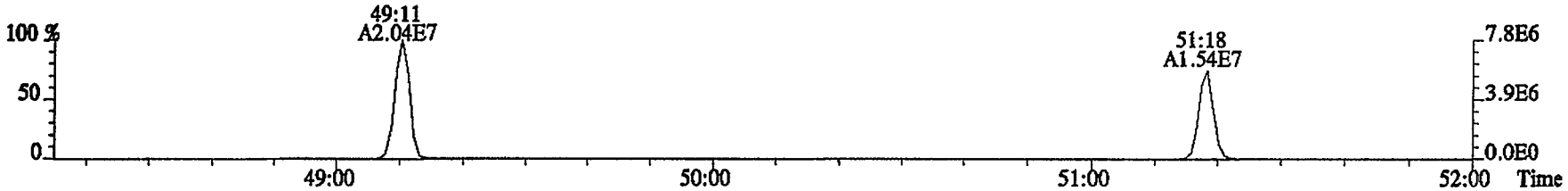
File:040519E1 #1-414 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
463.7216 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



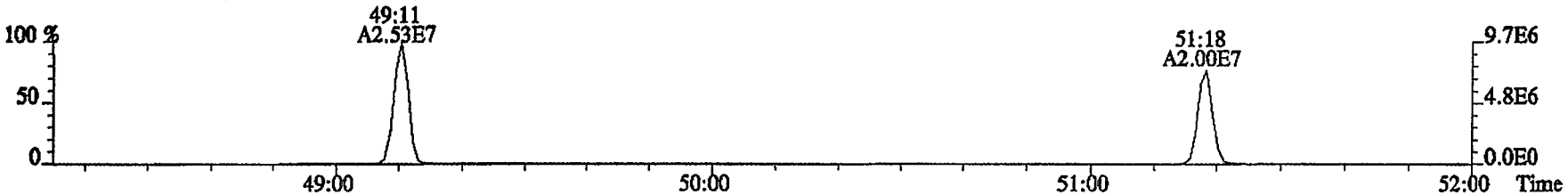
465.7186 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



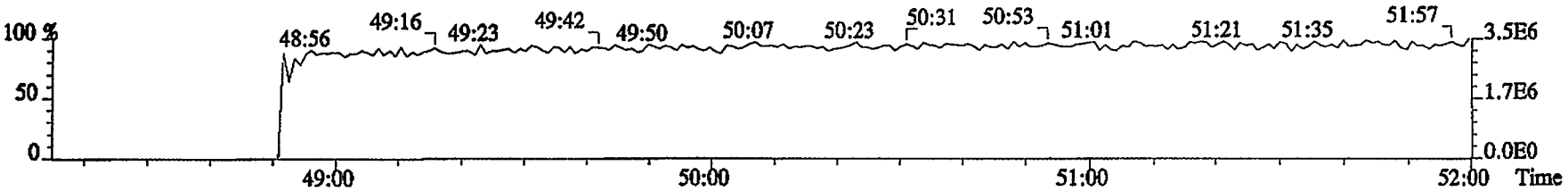
473.7648 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



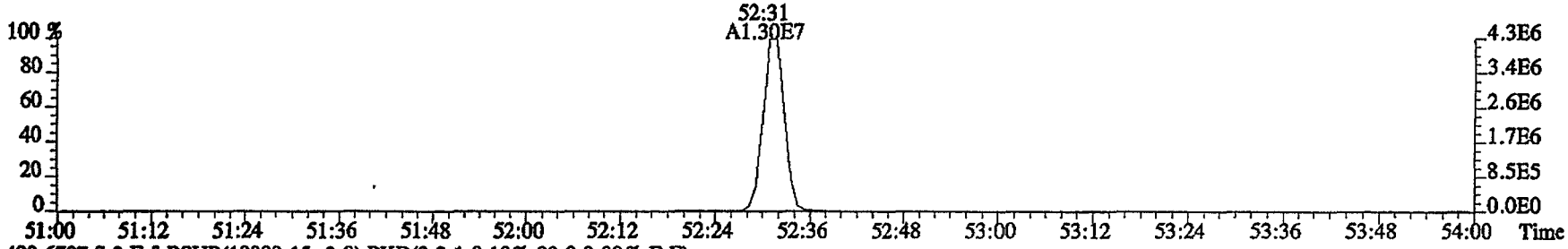
475.7619 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



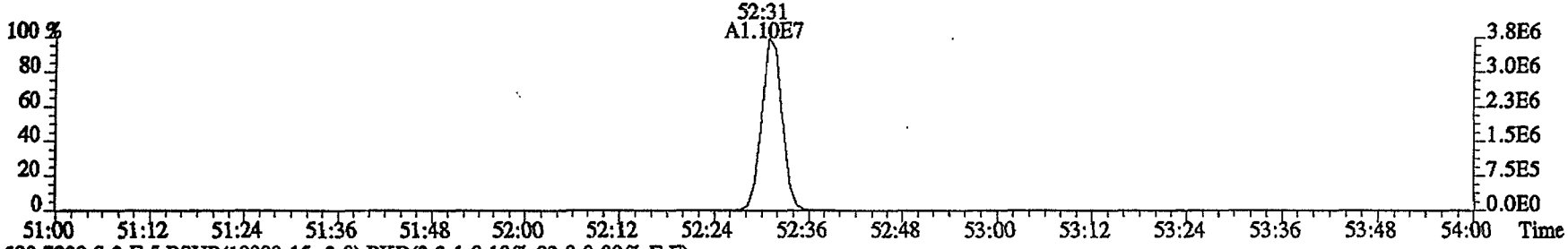
492.9697 S:2 F:5



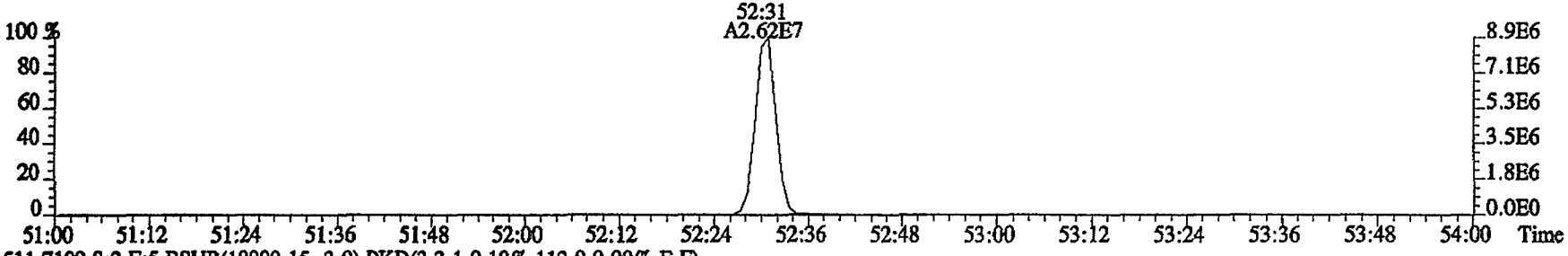
File:040519E1 #1-414 Acq:19-MAY-2004 11:55:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:0_5892_OPR001 Exp:PCB_DB1
497.6826 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



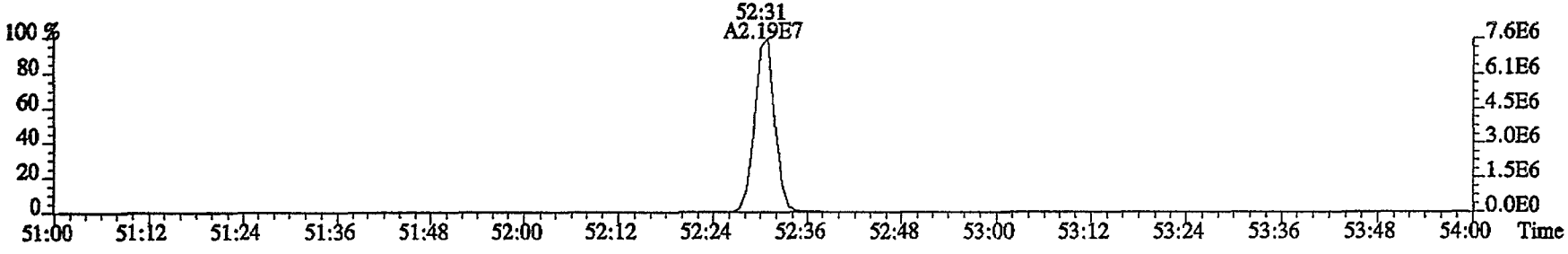
499.6797 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



509.7229 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



511.7199 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



Client ID: 84FB-AIR-107 Filename: 040519E1 S:5 Acq:19-MAY-04 14:56:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_001 GC Column ID: DB-1 ICal: PCBVGB-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	*	* n	1.00	NotFnd	*	0.996-1.006	*
PCB-2	*	* n	0.84	NotFnd	*	0.984-0.994	*
PCB-3	*	* n	0.96	NotFnd	*	0.996-1.006	*
PCB-4/10	*	* n	1.81	NotFnd	*	0.998-1.008	*
PCB-7/9	*	* n	1.48	NotFnd	*	0.997-1.007	*
PCB-6	*	* n	1.48	NotFnd	*	1.027-1.037	*
PCB-5/8	*	* n	1.44	NotFnd	*	1.044-1.054	*
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	5.64e+05	1.65 y	1.45	23:45	1.153	1.148-1.159	0.120
PCB-12/13	*	* n	1.50	NotFnd	*	1.165-1.177	*
PCB-15	*	* n	1.70	NotFnd	*	1.180-1.192	*
PCB-19	*	* n	1.18	NotFnd	*	0.996-1.006	*
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	*	* n	0.69	NotFnd	*	0.950-0.960	*
PCB-17	*	* n	0.78	NotFnd	*	0.956-0.966	*
PCB-24/27	*	* n	0.99	NotFnd	*	0.977-0.987	*
PCB-16/32	*	* n	0.85	NotFnd	*	0.995-1.005	*
PCB-34	*	* n	1.19	NotFnd	*	0.956-0.966	*
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	*	* n	1.35	NotFnd	*	0.968-0.978	*
PCB-26	*	* n	1.28	NotFnd	*	0.975-0.985	*
PCB-25	*	* n	1.33	NotFnd	*	0.980-0.990	*
PCB-31	*	* n	1.30	NotFnd	*	0.991-1.001	*
PCB-28	*	* n	1.54	NotFnd	*	0.996-1.006	*
PCB-20/21/33	*	* n	1.27	NotFnd	*	1.016-1.026	*
PCB-22	*	* n	1.33	NotFnd	*	1.031-1.041	*
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	*	* n	1.42	NotFnd	*	0.982-0.992	*
PCB-37	*	* n	1.57	NotFnd	*	0.995-1.005	*
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	*	* n	0.71	NotFnd	*	1.059-1.069	*
PCB-51	*	* n	0.72	NotFnd	*	1.071-1.081	*
PCB-45	*	* n	0.62	NotFnd	*	1.087-1.097	*
PCB-46	*	* n	0.60	NotFnd	*	1.102-1.114	*

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	*	* n	0.81	NotFnd	*	1.119-1.131	*
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	*	* n	0.71	NotFnd	*	1.129-1.141	*
PCB-47	*	* n	0.73	NotFnd	*	1.136-1.148	*
PCB-48/75	*	* n	0.86	NotFnd	*	1.141-1.153	*
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	*	* n	0.61	NotFnd	*	1.164-1.176	*
PCB-42/59	*	* n	0.79	NotFnd	*	1.171-1.183	*
PCB-41/64/71/72	*	* n	0.88	NotFnd	*	1.193-1.205	*
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	*	* n	0.53	NotFnd	*	1.208-1.220	*
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	*	* n	1.12	NotFnd	*	0.886-0.895	*
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	*	* n	1.09	NotFnd	*	0.893-0.902	*
PCB-74	*	* n	1.15	NotFnd	*	0.900-0.909	*
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	*	* n	1.14	NotFnd	*	0.905-0.915	*
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	*	* n	1.31	NotFnd	*	0.911-0.921	*
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	*	* n	1.10	NotFnd	*	0.925-0.935	*
PCB-56/60	*	* n	1.09	NotFnd	*	0.936-0.946	*
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	*	* n	1.06	NotFnd	*	0.995-1.005	*
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	*	* n	1.09	NotFnd	*	0.995-1.005	*
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	*	* n	1.00	NotFnd	*	1.006-1.016	*
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.050 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84FB-AIR-107 Filename: 040519E1 S:5 Acq:19-MAY-04 14:56:36 ConCal: ST040519E1-1

Lab ID: 24990_5892_001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-84/92	*	* n	1.01	NotFnd	*	0.985	0.995	*
PCB-89	*	* n	0.96	NotFnd	*	0.990	1.000	*
PCB-90/101	*	* n	1.14	NotFnd	*	0.995	1.005	*
PCB-113	*	* n	1.19	NotFnd	*	1.001	1.011	*
PCB-99	*	* n	1.27	NotFnd	*	1.004	1.014	*
PCB-119	*	* n	1.45	NotFnd	*	1.016	1.026	*
PCB-108/112	*	* n	1.15	NotFnd	*	1.020	1.030	*
PCB-83	*	* n	1.31	NotFnd	*	1.024	1.034	*
PCB-97	*	* n	1.02	NotFnd	*	1.029	1.039	*
PCB-86	*	* n	0.91	NotFnd	*	1.032	1.042	*
B-87/117/125	*	* n	1.32	NotFnd	*	1.036	1.046	*
PCB-111/115	*	* n	1.46	NotFnd	*	1.040	1.050	*
PCB-85/116	*	* n	1.21	NotFnd	*	1.043	1.053	*
PCB-120	*	* n	1.53	NotFnd	*	1.050	1.060	*
PCB-110	*	* n	1.47	NotFnd	*	1.054	1.064	*
PCB-82	*	* n	0.70	NotFnd	*	0.972	0.982	*
PCB-124	*	* n	1.17	NotFnd	*	0.988	0.998	*
PCB-107/109	*	* n	1.21	NotFnd	*	0.991	1.001	*
PCB-123	*	* n	1.15	NotFnd	*	0.995	1.005	*
- PCB-106/118	*	* n	1.06	NotFnd	*	0.996	1.006	*
- PCB-114	*	* n	1.40	NotFnd	*	0.995	1.005	*
PCB-122	*	* n	1.45	NotFnd	*	0.979	0.989	*
PCB-105	*	* n	1.44	NotFnd	*	0.996	1.006	*
PCB-127	*	* n	1.35	NotFnd	*	1.004	1.014	*
PCB-126	*	* n	1.41	NotFnd	*	0.995	1.005	*
PCB-155	*	* n	1.12	NotFnd	*	0.995	1.005	*
PCB-150	*	* n	1.04	NotFnd	*	1.028	1.038	*
PCB-152	*	* n	1.03	NotFnd	*	1.041	1.051	*
PCB-145	*	* n	1.02	NotFnd	*	1.052	1.062	*
PCB-136	*	* n	1.00	NotFnd	*	1.061	1.071	*
PCB-148	*	* n	0.79	NotFnd	*	1.064	1.074	*
PCB-154	*	* n	0.92	NotFnd	*	1.077	1.087	*
PCB-151	*	* n	0.72	NotFnd	*	1.094	1.104	*
PCB-135	*	* n	0.70	NotFnd	*	1.098	1.110	*
PCB-144	*	* n	0.77	NotFnd	*	1.101	1.113	*
PCB-147	*	* n	0.83	NotFnd	*	1.105	1.117	*
PCB-139/149	*	* n	0.80	NotFnd	*	1.112	1.124	*

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
- PCB-140	*	* n	0.80	NotFnd	*	1.117	1.129	*
- PCB-134/143	*	* n	0.74	NotFnd	*	1.128	1.140	*
PCB-133/142	*	* n	0.74	NotFnd	*	1.136	1.148	*
PCB-131	*	* n	0.72	NotFnd	*	1.140	1.152	*
PCB-146/165	*	* n	1.01	NotFnd	*	0.986	0.996	*
PCB-132/161	*	* n	0.96	NotFnd	*	0.991	1.001	*
PCB-153	*	* n	1.03	NotFnd	*	0.995	1.005	*
PCB-168	*	* n	1.11	NotFnd	*	1.000	1.010	*
PCB-141	*	* n	0.89	NotFnd	*	1.012	1.022	*
PCB-137	*	* n	0.84	NotFnd	*	1.021	1.031	*
PCB-130	*	* n	0.77	NotFnd	*	1.023	1.033	*
PCB-138/163/164	*	* n	1.09	NotFnd	*	1.032	1.042	*
PCB-158/160	*	* n	1.16	NotFnd	*	1.037	1.047	*
PCB-129	*	* n	0.73	NotFnd	*	1.042	1.052	*
PCB-166	*	* n	0.93	NotFnd	*	0.974	0.984	*
PCB-159	*	* n	0.99	NotFnd	*	0.981	0.991	*
PCB-128/162	*	* n	0.84	NotFnd	*	0.987	0.997	*
PCB-167	*	* n	0.97	NotFnd	*	0.995	1.005	*
PCB-156	*	* n	1.04	NotFnd	*	0.995	1.005	*
PCB-157	*	* n	0.96	NotFnd	*	0.996	1.006	*
PCB-169	*	* n	0.96	NotFnd	*	0.995	1.005	*
PCB-188	*	* n	1.47	NotFnd	*	0.995	1.005	*
PCB-184	*	* n	1.48	NotFnd	*	1.005	1.015	*
PCB-179	*	* n	1.38	NotFnd	*	1.023	1.033	*
PCB-176	*	* n	1.34	NotFnd	*	1.034	1.044	*
PCB-186	*	* n	1.38	NotFnd	*	1.048	1.058	*
PCB-178	*	* n	0.99	NotFnd	*	1.059	1.069	*
PCB-175	*	* n	0.98	NotFnd	*	1.067	1.077	*
PCB-182/187	*	* n	1.16	NotFnd	*	1.071	1.081	*
PCB-183	*	* n	1.12	NotFnd	*	1.078	1.088	*
PCB-185	*	* n	1.38	NotFnd	*	0.952	0.962	*
PCB-174	*	* n	1.46	NotFnd	*	0.959	0.969	*
PCB-181	*	* n	1.42	NotFnd	*	0.961	0.971	*
PCB-177	*	* n	1.35	NotFnd	*	0.964	0.974	*
PCB-171	*	* n	1.45	NotFnd	*	0.970	0.980	*
PCB-173	*	* n	1.29	NotFnd	*	0.978	0.988	*
PCB-172	*	* n	1.30	NotFnd	*	0.987	0.997	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84FB-AIR-107 Filename: 040519E1 S:5 Acq:19-MAY-04 14:56:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc
	PCB-192	*	*	n	1.70	NotFnd	*	0.991-1.001	*
	PCB-180	*	*	n	1.50	NotFnd	*	0.995-1.005	*
	PCB-193	*	*	n	1.94	NotFnd	*	0.999-1.009	*
	PCB-191	*	*	n	1.79	NotFnd	*	1.004-1.014	*
	PCB-170	*	*	n	1.53	NotFnd	*	0.995-1.005	*
	PCB-190	*	*	n	2.02	NotFnd	*	0.999-1.009	*
	PCB-189	*	*	n	1.42	NotFnd	*	0.995-1.005	*
	PCB-202	*	*	n	1.00	NotFnd	*	0.996-1.006	*
	PCB-201	*	*	n	0.99	NotFnd	*	1.005-1.015	*
	PCB-204	*	*	n	1.02	NotFnd	*	1.008-1.018	*
	PCB-197	*	*	n	1.04	NotFnd	*	1.014-1.025	*
	PCB-200	*	*	n	0.98	NotFnd	*	1.032-1.042	*
	PCB-198	*	*	n	0.68	NotFnd	*	1.060-1.070	*
	PCB-199	*	*	n	0.74	NotFnd	*	1.062-1.072	*
-	PCB-196/203	*	*	n	0.79	NotFnd	*	1.068-1.078	*
-	PCB-195	*	*	n	1.18	NotFnd	*	0.979-0.989	*
	PCB-194	*	*	n	1.28	NotFnd	*	0.995-1.005	*
	PCB-205	*	*	n	1.67	NotFnd	*	1.000-1.010	*
	PCB-208	*	*	n	0.94	NotFnd	*	0.995-1.005	*
	PCB-207	*	*	n	0.84	NotFnd	*	1.001-1.014	*
	PCB-206	*	*	n	0.88	NotFnd	*	0.995-1.005	*
	PCB-209	*	*	n	1.11	NotFnd	*	0.995-1.005	*

Name	Resp	RA		RT	RRF	Conc	
Total Mono-PCB	*	*	n	NotFnd	0.93	*	
Total Di-PCB	5.64e+05	1.65	y	23:45	1.51	0.120	
Total Tri-PCB	*	*	n	NotFnd	0.99	*	
Total Tri-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Tetra-PCB	*	*	n	NotFnd	0.81	*	
Total Penta-PCB	*	*	n	NotFnd	1.10	*	
Total Penta-PCB	*	*	n	NotFnd	1.41	*	Sum:0.00
Total Hexa-PCB	*	*	n	NotFnd	0.88	*	
Total Hexa-PCB	*	*	n	NotFnd	0.92	*	Sum:0.00
Total Hepta-PCB	*	*	n	NotFnd	1.37	*	
Total Octa-PCB	*	*	n	NotFnd	0.89	*	
Total Octa-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	*	n	NotFnd	0.89	*	
Total Deca-PCB	*	*	n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]

Date: 5-20-04

Client ID: 84FB-AIR-107 Filename: 040519E1 S:5 Acq:19-MAY-04 14:56:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_001 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

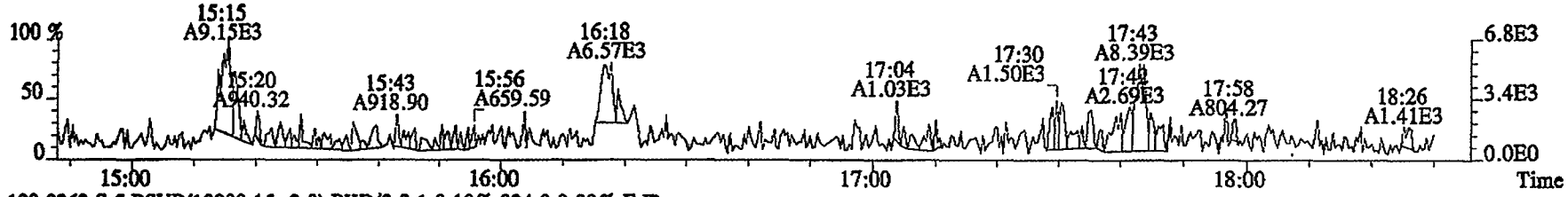
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	5.78e+07	3.16 y	1.09	15:14	0.625	0.624-0.630	8.89	44.5
13C-PCB-3	8.56e+07	3.21 y	1.24	17:43	0.726	0.723-0.731	11.5	57.6
13C-PCB-4	3.78e+07	1.61 y	0.59	18:56	0.776	0.774-0.782	10.7	53.7
13C-PCB-9	6.49e+07	1.56 y	0.90	20:36	0.845	0.842-0.850	12.1	60.3
13C-PCB-19	4.43e+07	1.04 y	0.70	22:46	0.838	0.835-0.843	13.0	64.8
13C-PCB-28	7.52e+07	1.09 y	1.09	27:17	1.004	0.998-1.008	14.1	70.4
13C-PCB-32	8.40e+07	1.05 y	1.18	25:28	0.937	0.932-0.942	14.6	72.9
13C-PCB-37	6.65e+07	1.10 y	0.93	30:51	1.135	1.128-1.140	14.6	73.1
13C-PCB-54	6.74e+07	0.81 y	1.15	26:13	0.765	0.762-0.770	13.3	66.5
13C-PCB-77	6.27e+07	0.79 y	1.01	36:57	1.077	1.071-1.081	14.1	70.3
13C-PCB-81	6.21e+07	0.80 y	0.98	36:24	1.062	1.056-1.066	14.4	72.0
13C-PCB-95	3.83e+07	1.56 y	0.73	33:24	0.914	0.910-0.920	15.6	78.0
13C-PCB-101	3.83e+07	1.57 y	0.73	34:58	0.956	0.952-0.962	15.5	77.5
13C-PCB-104	5.13e+07	1.56 y	0.93	30:31	0.835	0.832-0.840	16.2	81.2
13C-PCB-105	4.63e+07	1.64 y	1.09	40:02	0.962	0.957-0.967	16.8	83.8
13C-PCB-114	4.57e+07	1.60 y	1.13	39:15	0.944	0.938-0.948	15.9	79.5
13C-PCB-118	4.82e+07	1.59 y	0.98	38:39	1.058	1.053-1.063	14.5	72.4
13C-PCB-123	4.33e+07	1.57 y	0.87	38:29	1.053	1.048-1.058	14.6	73.1
13C-PCB-126	4.61e+07	1.60 y	1.06	42:05	1.012	1.006-1.016	17.2	85.9
13C-PCB-153	4.38e+07	1.28 y	1.12	40:10	0.966	0.961-0.971	15.4	77.0
13C-PCB-155	4.65e+07	1.29 y	0.97	34:32	0.830	0.827-0.835	14.1	70.7
13C-PCB-156	4.41e+07	1.28 y	1.24	44:33	1.071	1.066-1.076	13.9	69.7
13C-PCB-157	4.60e+07	1.30 y	1.33	44:48	1.077	1.072-1.082	13.6	67.9
13C-PCB-167	4.69e+07	1.29 y	1.28	43:23	1.043	1.038-1.048	14.4	71.8
13C-PCB-169	4.57e+07	1.27 y	1.26	46:46	1.125	1.118-1.130	14.2	71.1
13C-PCB-170	1.93e+07	0.45 y	0.56	47:04	1.132	1.125-1.137	13.6	68.1
13C-PCB-180	2.16e+07	0.46 y	0.65	45:42	1.099	1.094-1.104	13.0	64.9
13C-PCB-188	3.28e+07	0.47 y	0.92	39:48	0.957	0.952-0.962	14.0	69.8
13C-PCB-189	3.25e+07	0.46 y	0.85	48:29	1.166	1.158-1.170	15.1	75.6
13C-PCB-194	3.14e+07	0.91 y	0.71	49:52	0.995	0.990-1.000	13.9	69.6
13C-PCB-202	3.35e+07	0.94 y	1.02	44:41	1.075	1.070-1.080	13.0	64.8
13C-PCB-206	3.06e+07	0.78 y	0.65	51:18	1.024	1.019-1.029	14.9	74.4
13C-PCB-208	3.85e+07	0.80 y	0.94	49:10	0.981	0.977-0.987	13.0	64.8
13C-PCB-209	4.06e+07	1.19 y	0.97	52:31	1.048	1.044-1.054	13.2	65.9
13C-PCB-15	1.20e+08	1.60 y	1.00	24:24			20.0	-
13C-PCB-31	9.77e+07	1.07 y	1.00	27:11			20.0	-
13C-PCB-60	8.83e+07	0.80 y	1.00	34:17			20.0	-
13C-PCB-111	6.77e+07	1.56 y	1.00	36:33			20.0	-
13C-PCB-138	5.09e+07	1.29 y	1.00	41:35			20.0	-
13C-PCB-205	6.35e+07	0.92 y	1.00	50:07			20.0	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	6.59e+07	0.80	y	29:29	0.82	26.0	104
13C-PCB-178	2.72e+07	0.44	y	42:20	0.90	28.0	112

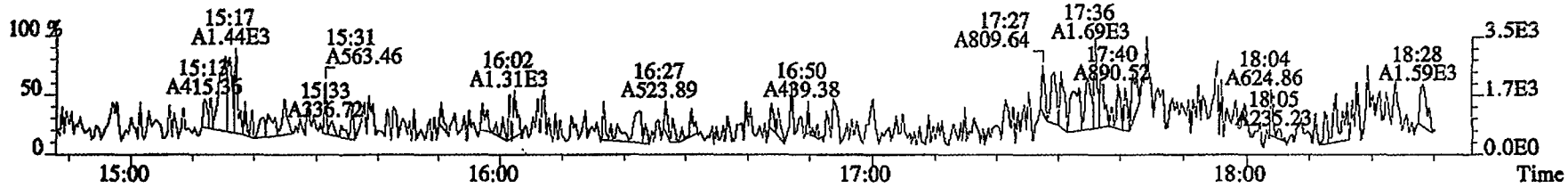
Integrations by
Analyst: [signature]

Date: 5-20-04

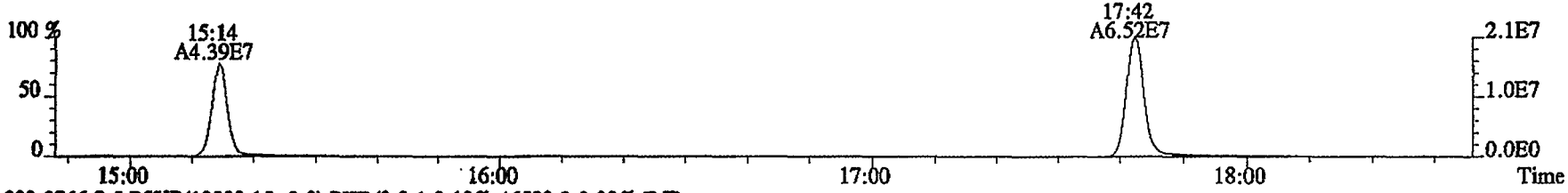
File:040519E1 #1-728 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
188.0393 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1348.0,0.00%,F,F)



190.0363 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,924.0,0.00%,F,F)

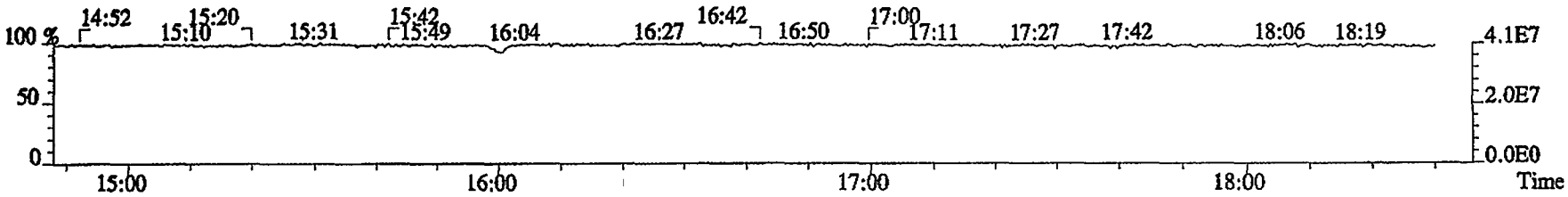


200.0795 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2124.0,0.00%,F,F)



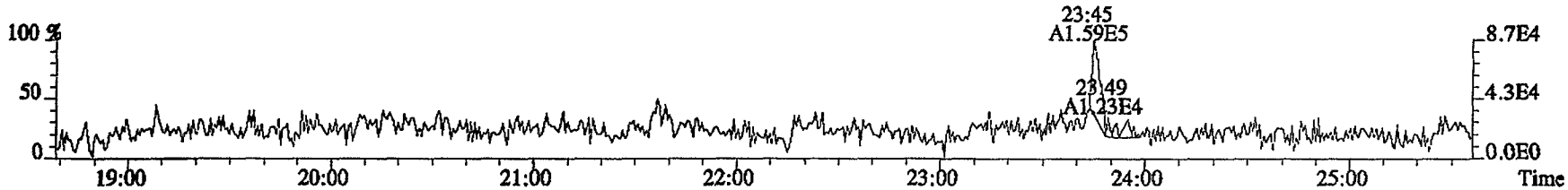
202.0766 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,46588.0,0.00%,F,F)

180.9880 S:5

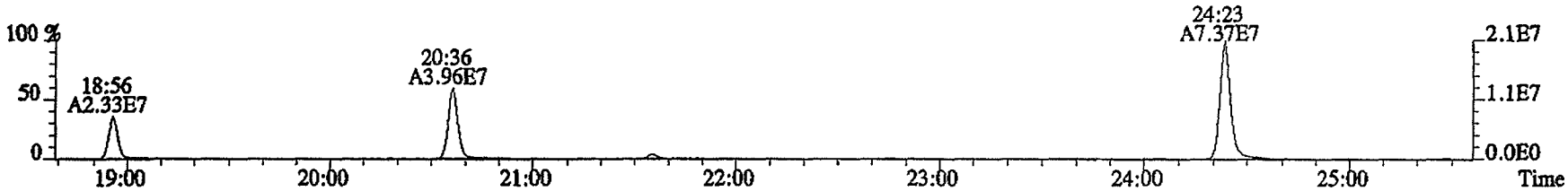


File:040519E1 #1-686 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3720.0,0.00%,F,F)

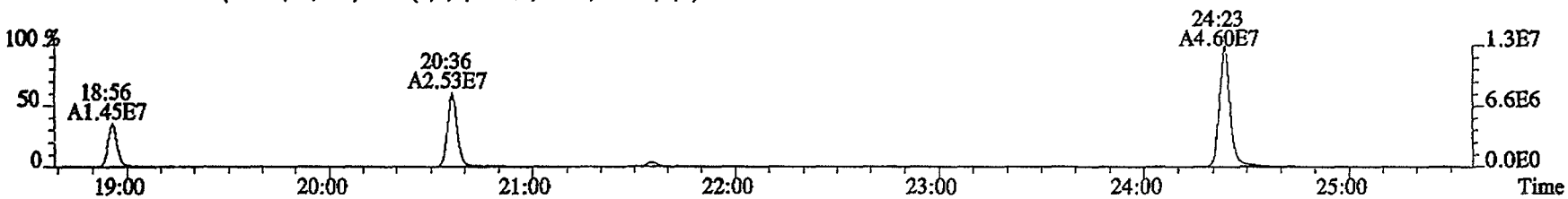
223.9974 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26156.0,0.00%,F,F)



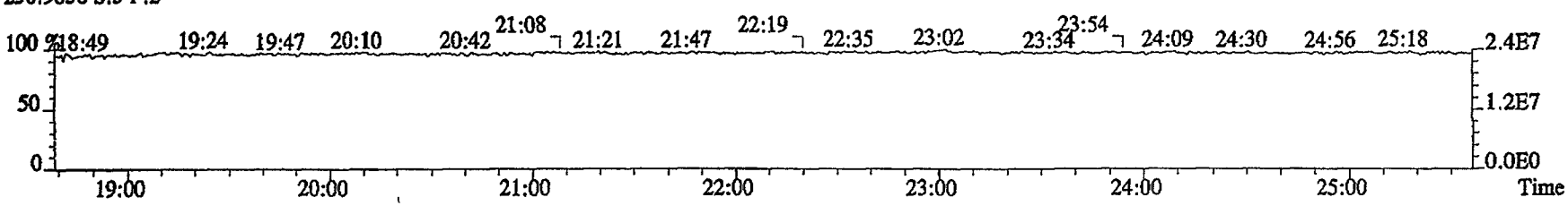
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1568.0,0.00%,F,F)



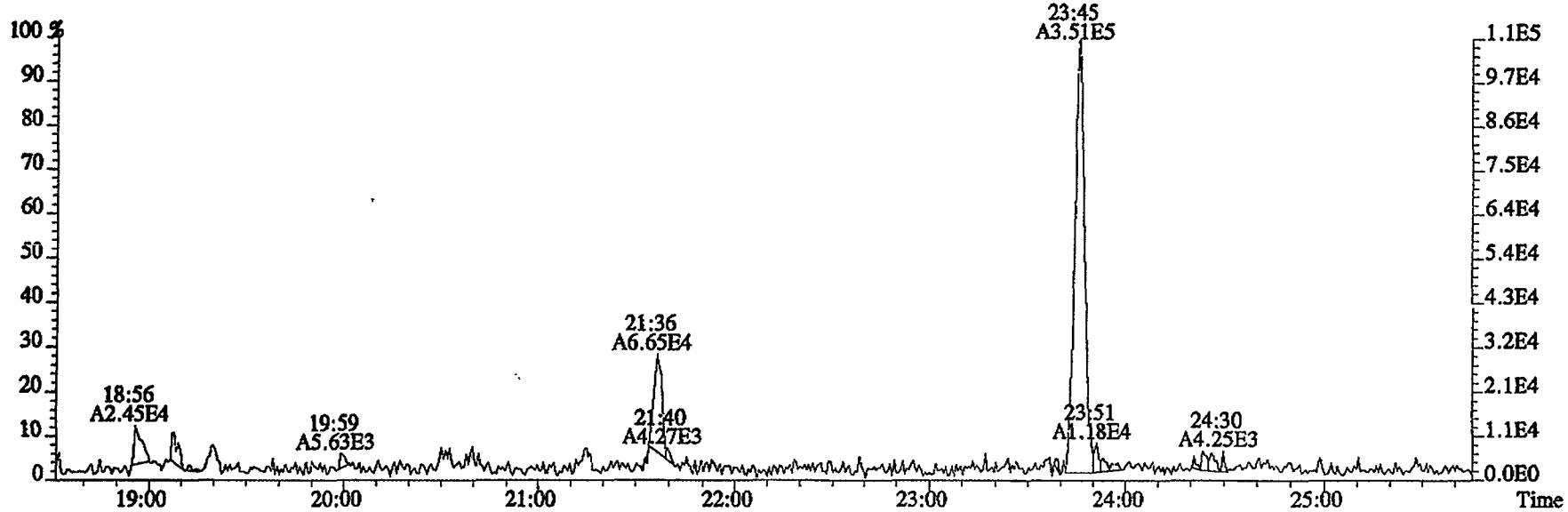
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,832.0,0.00%,F,F)



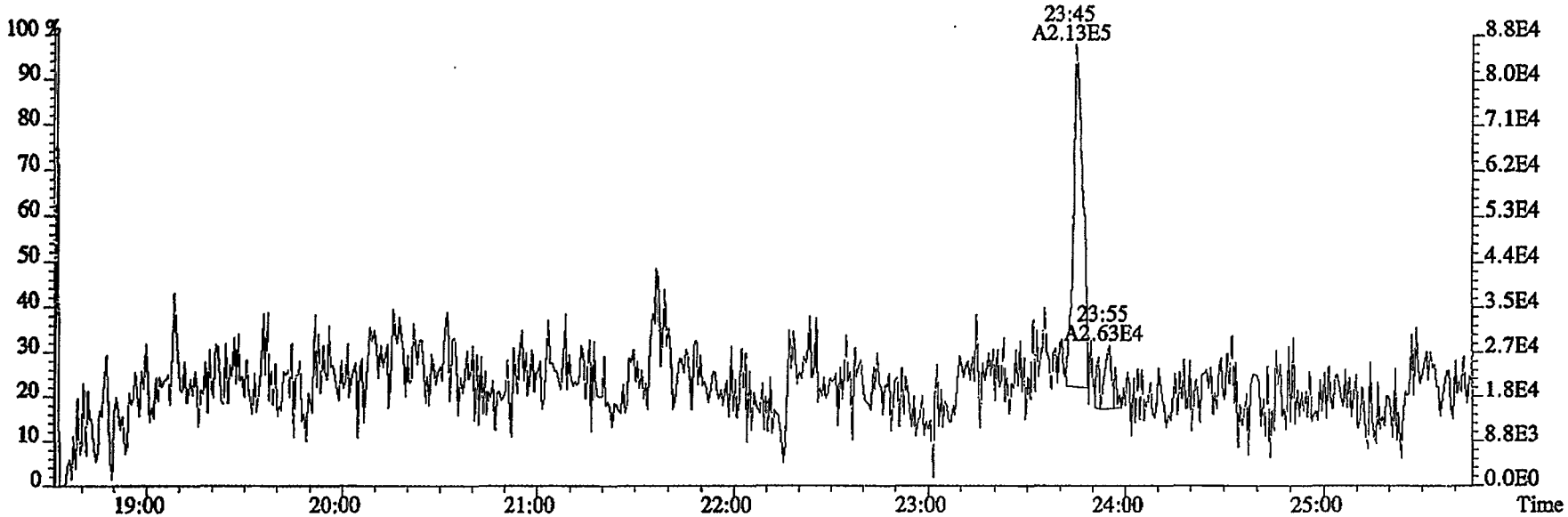
230.9856 S:5 F:2



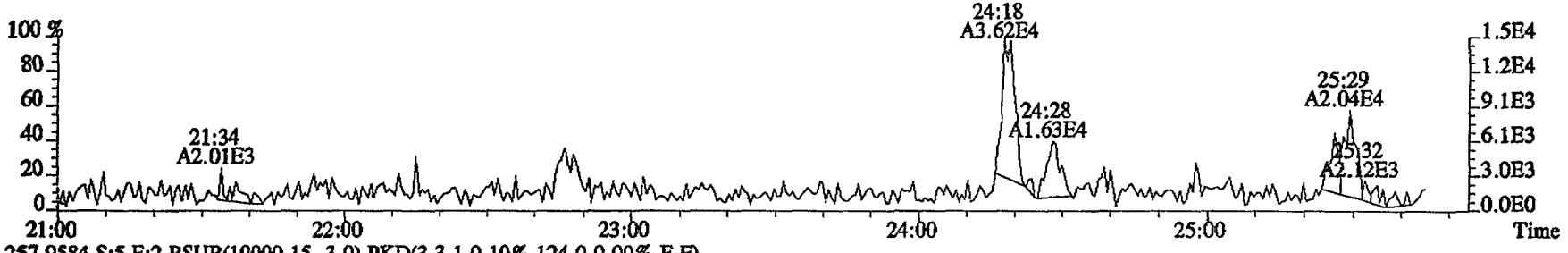
File:040519E1 #1-686 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3720.0,0.00%,F,F)



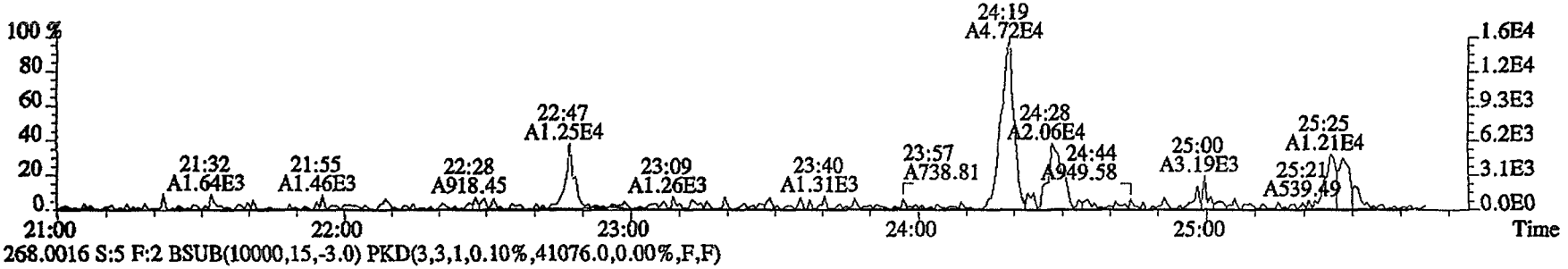
223.9974 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26156.0,0.00%,F,F)



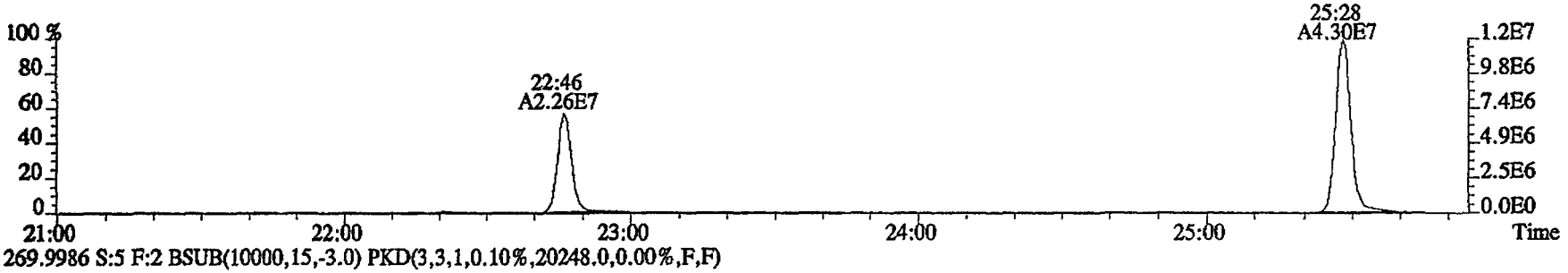
File:040519E1 #1-686 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2000.0,0.00%,F,F)



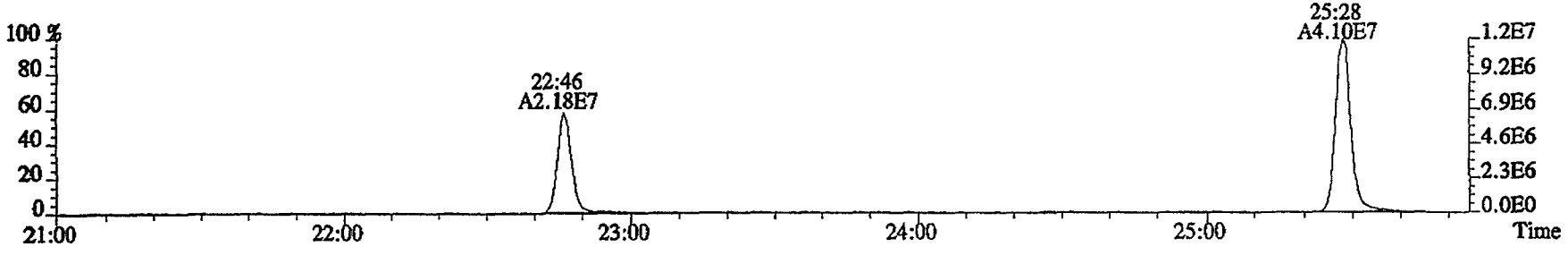
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



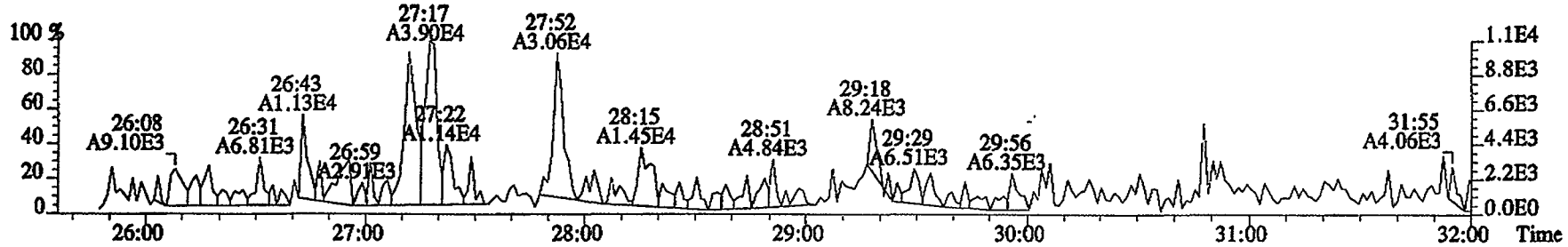
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,41076.0,0.00%,F,F)



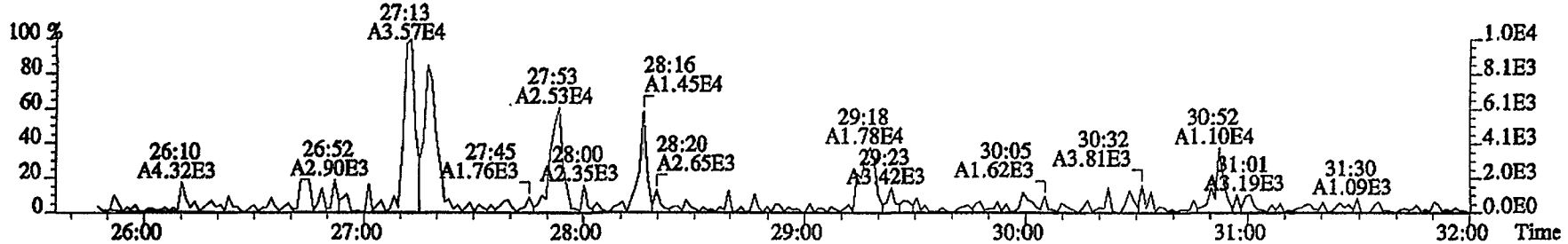
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20248.0,0.00%,F,F)



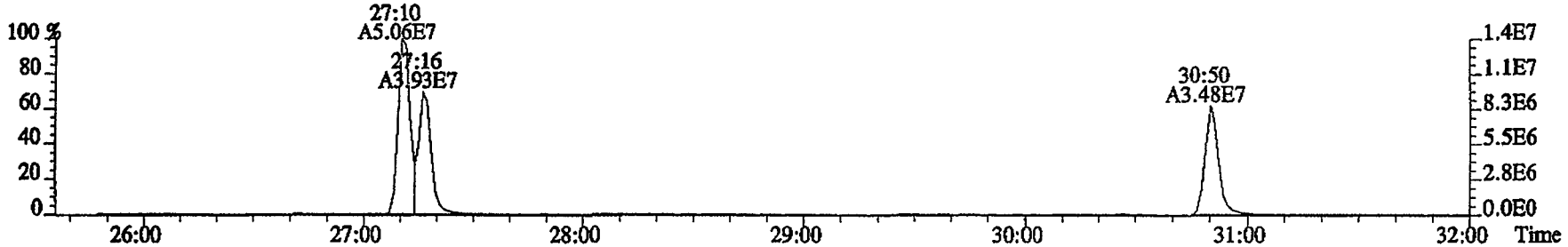
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
255.9613 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1672.0,0.00%,F,F)



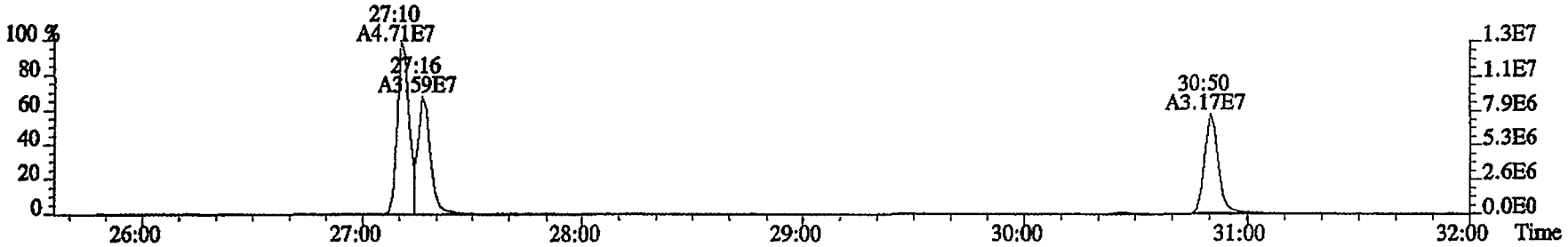
257.9584 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



268.0016 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,43392.0,0.00%,F,F)

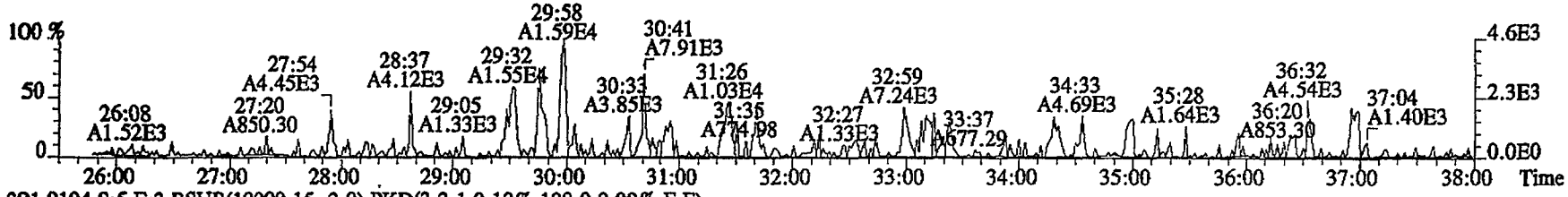


269.9986 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17616.0,0.00%,F,F)

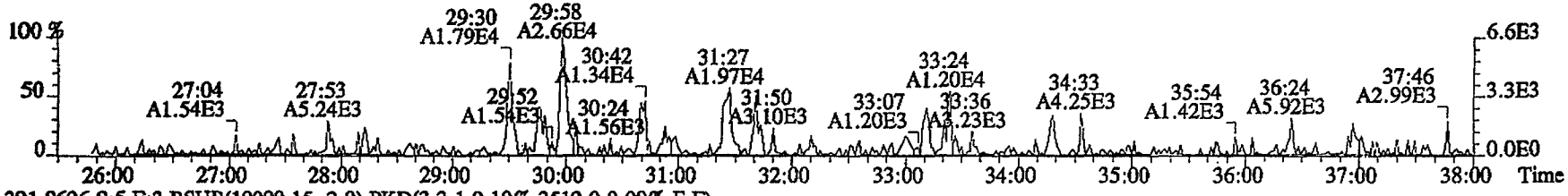


File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1

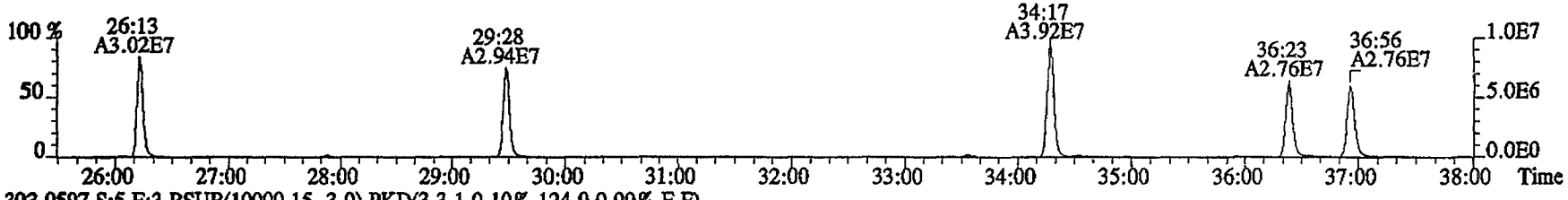
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



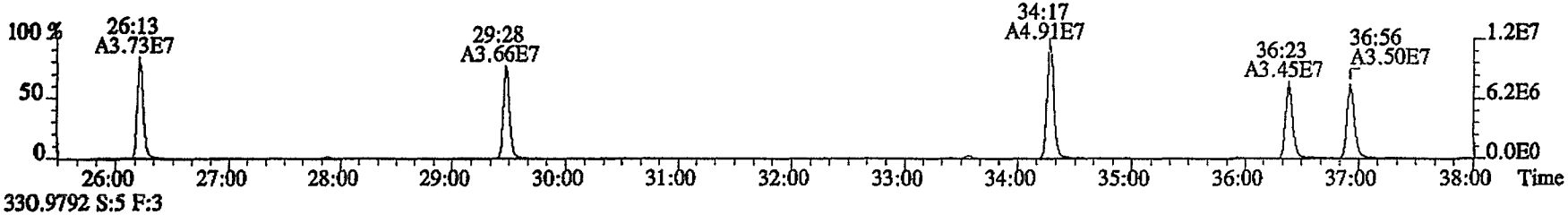
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



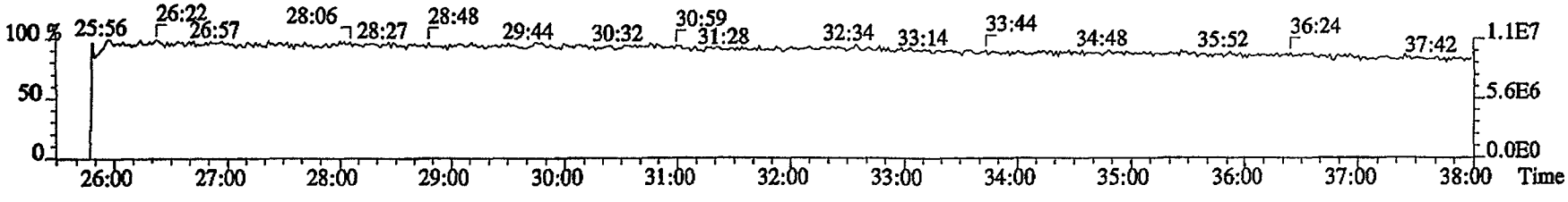
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3512.0,0.00%,F,F)



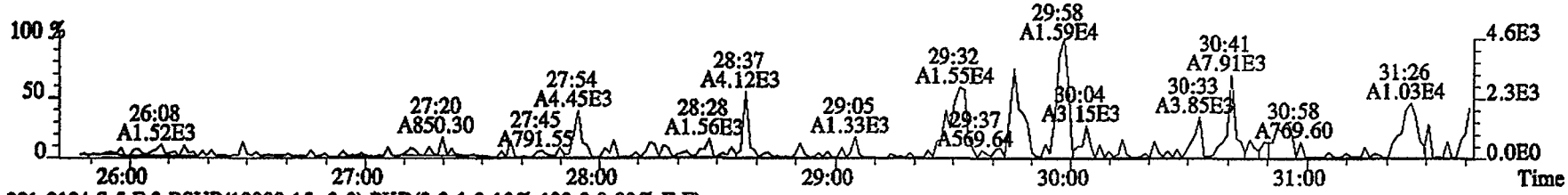
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



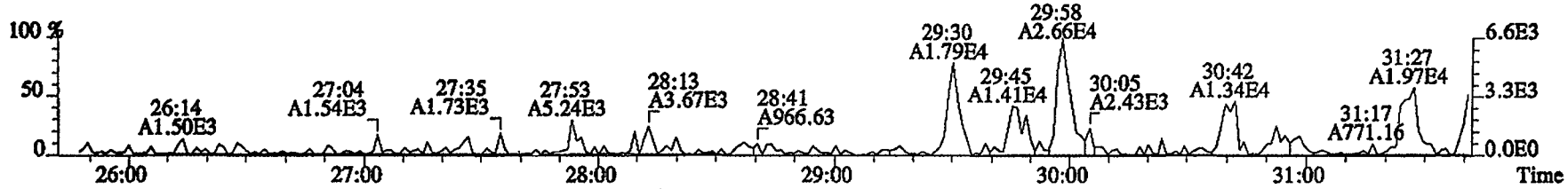
330.9792 S:5 F:3



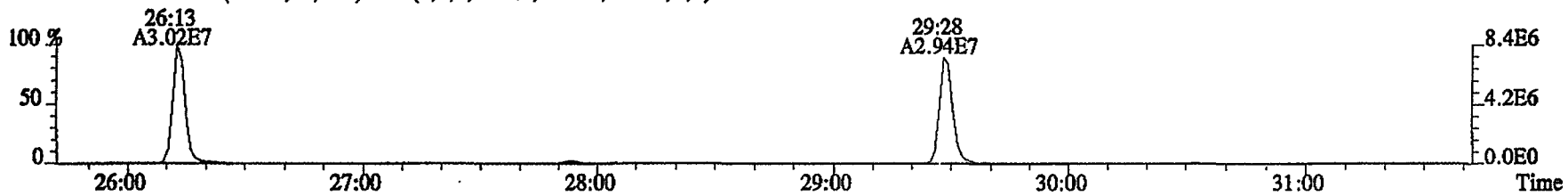
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



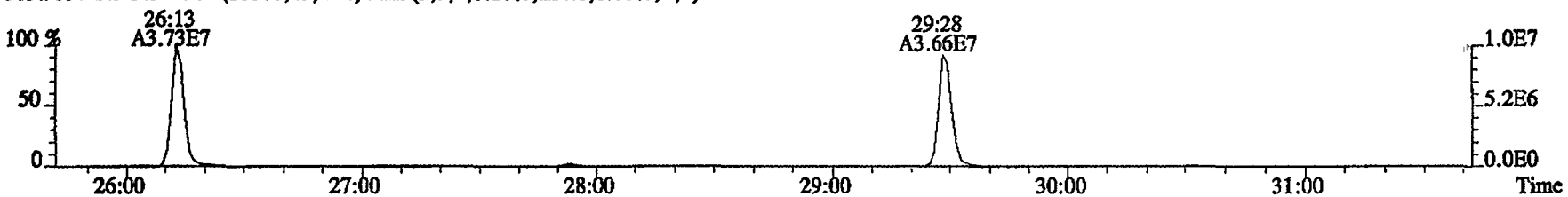
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



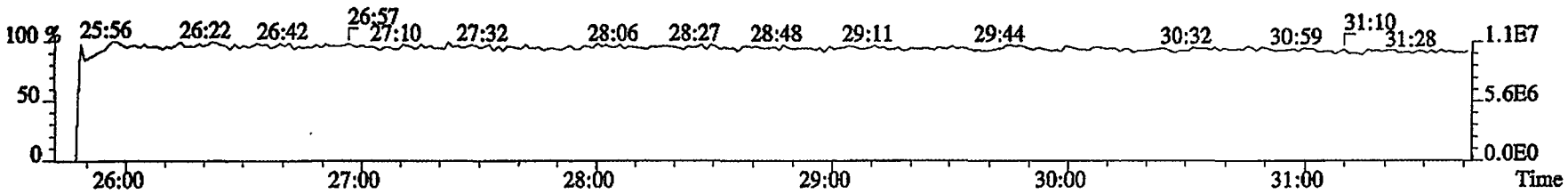
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3512.0,0.00%,F,F)



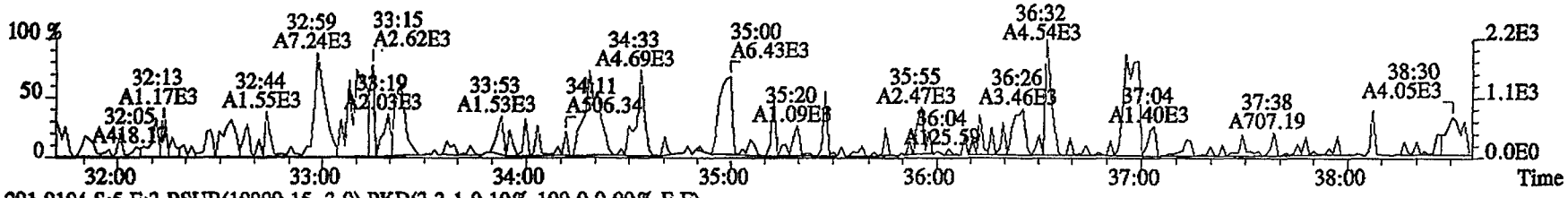
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



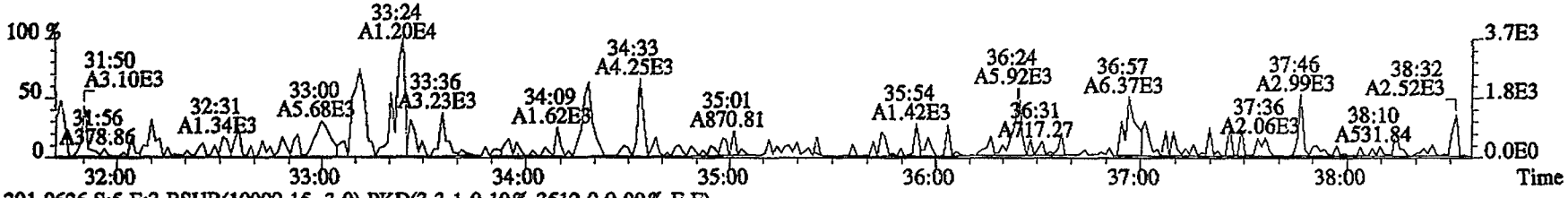
330.9792 S:5 F:3



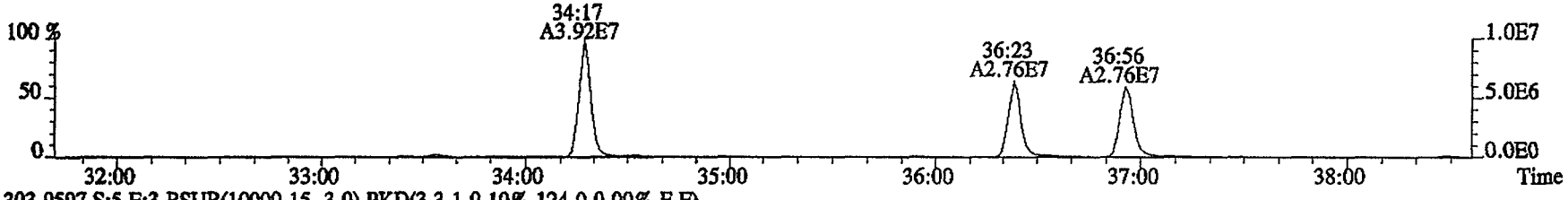
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



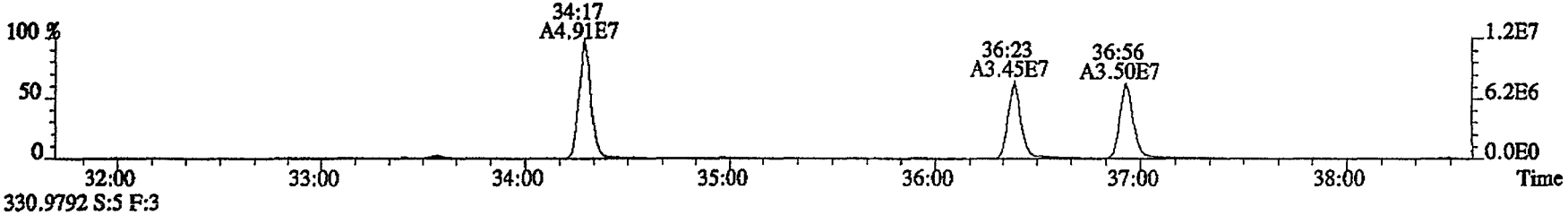
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



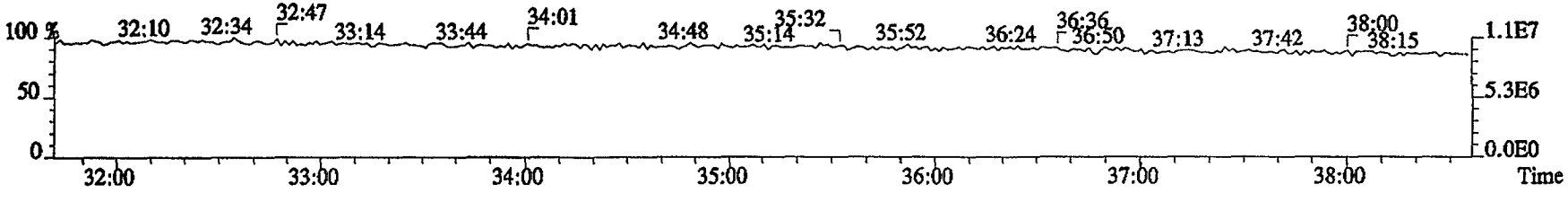
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3512.0,0.00%,F,F)



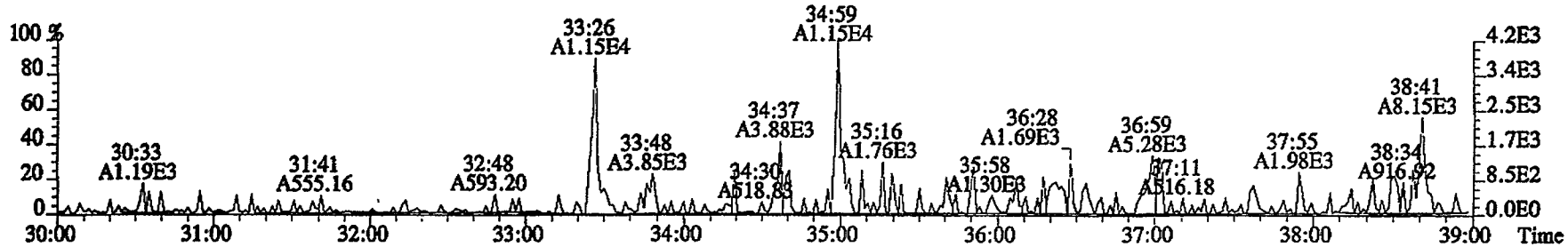
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



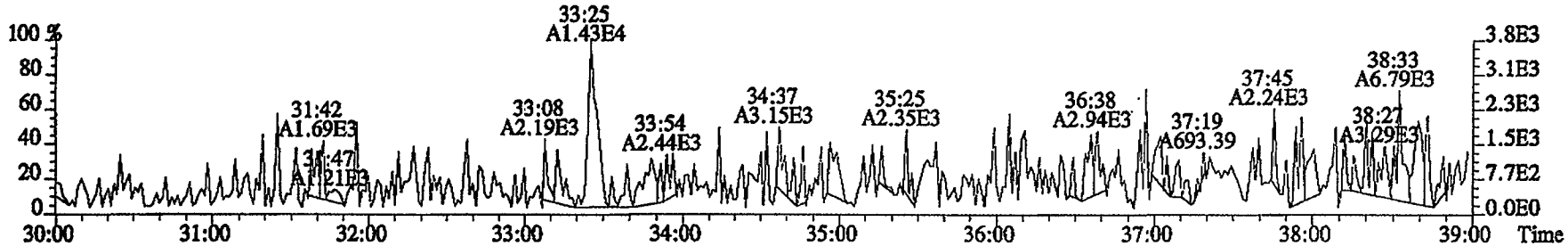
330.9792 S:5 F:3



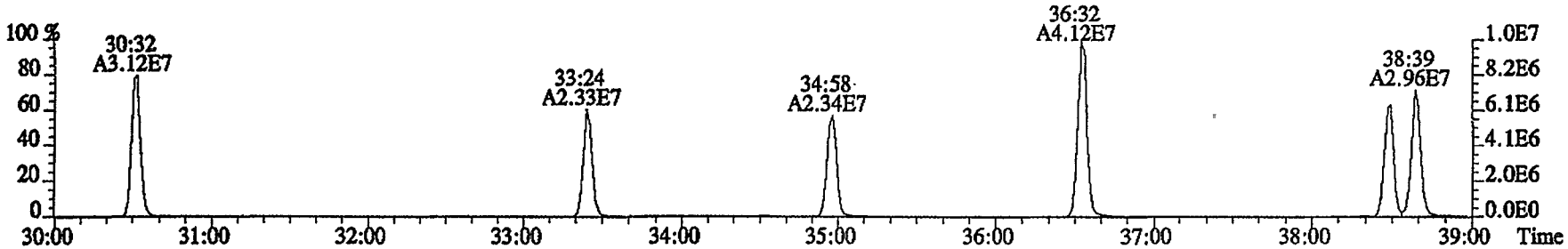
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



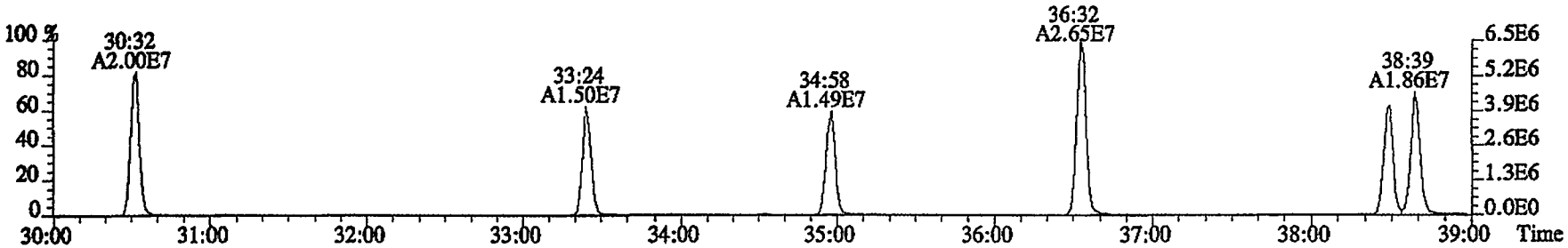
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,808.0,0.00%,F,F)



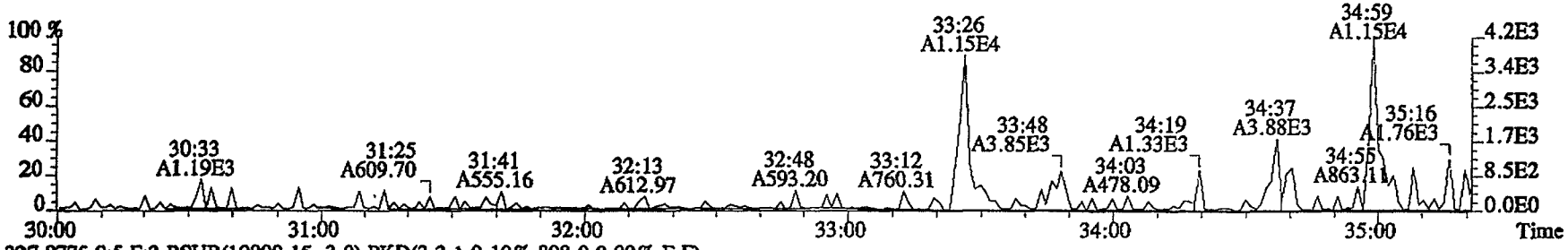
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



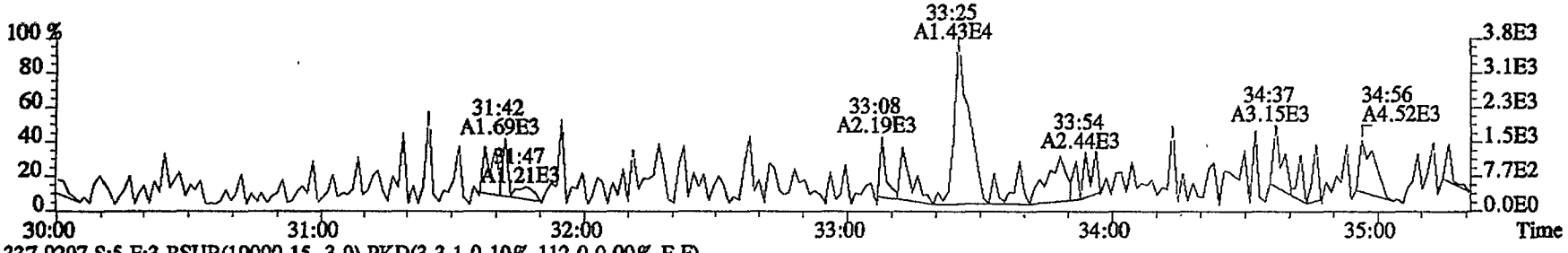
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



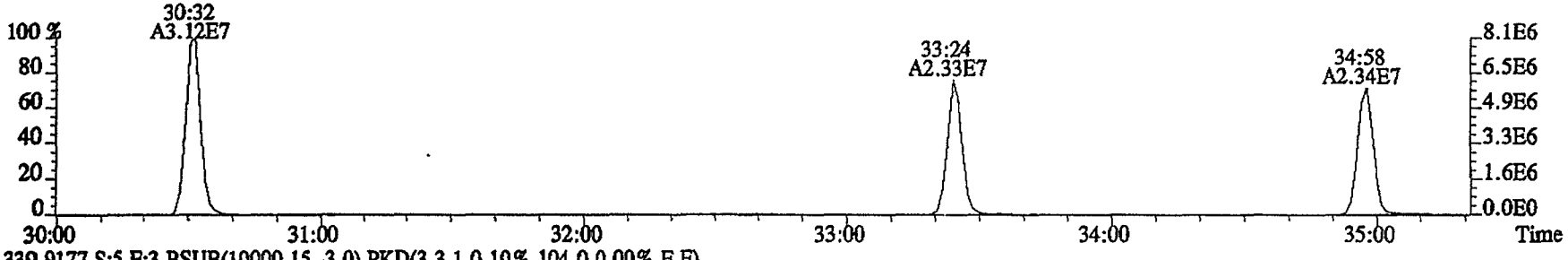
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



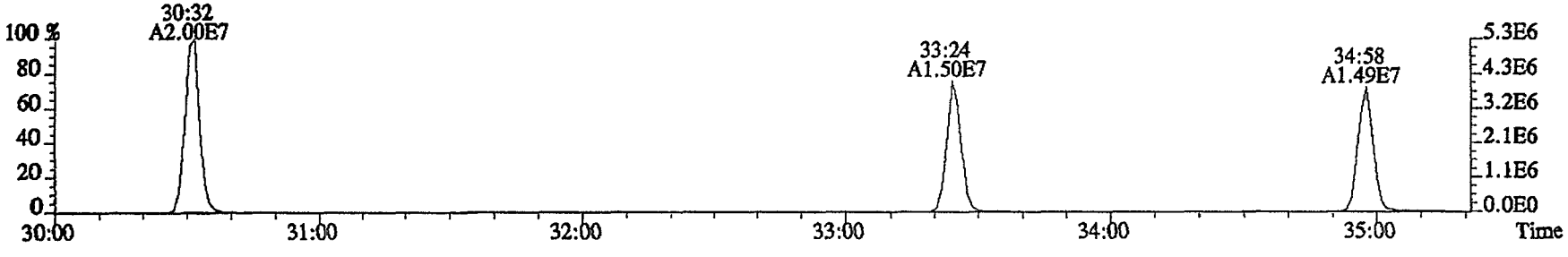
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,808.0,0.00%,F,F)



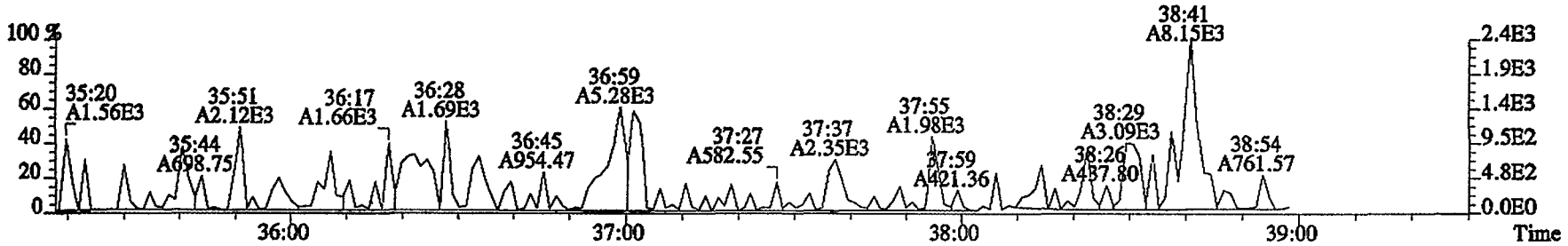
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



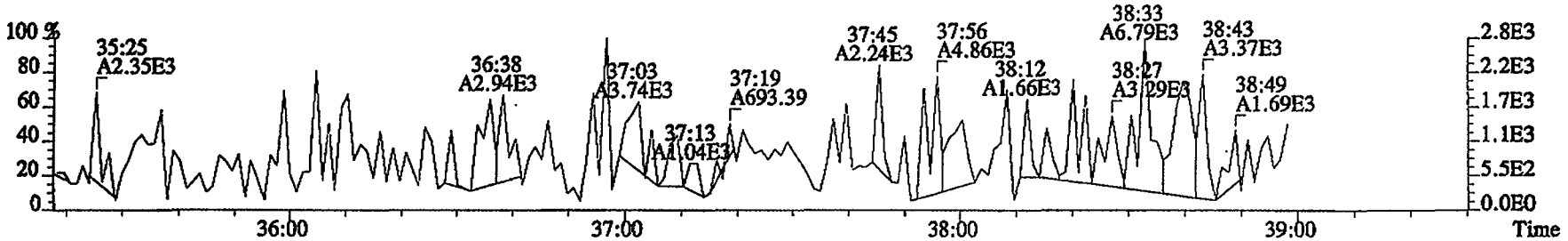
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



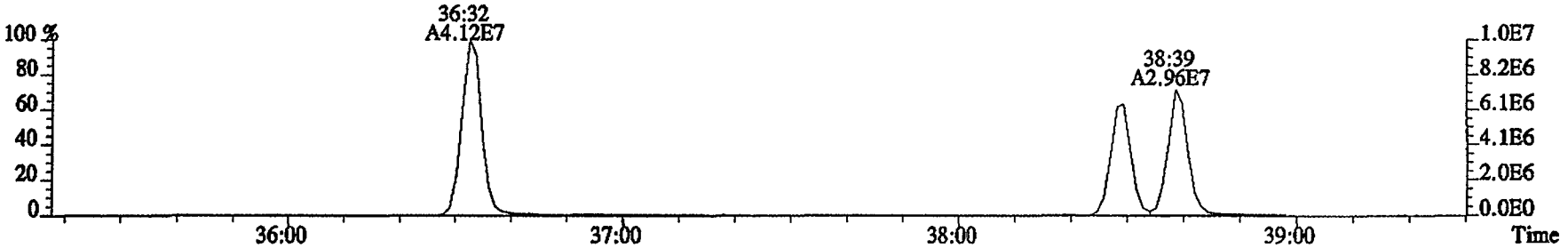
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



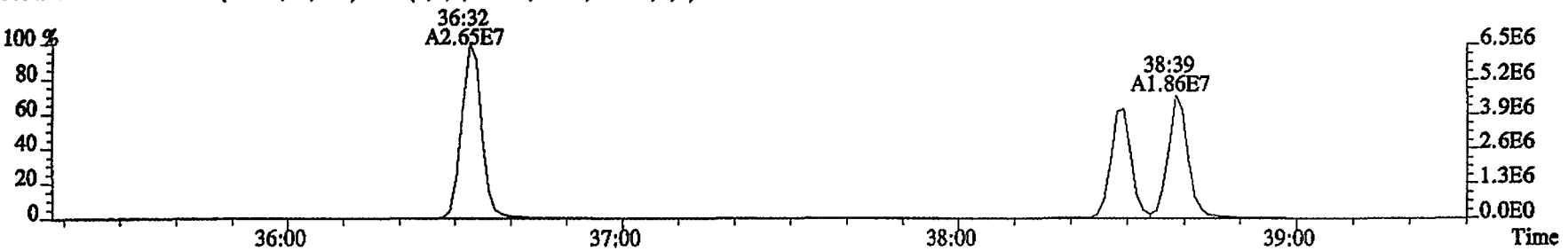
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,808.0,0.00%,F,F)



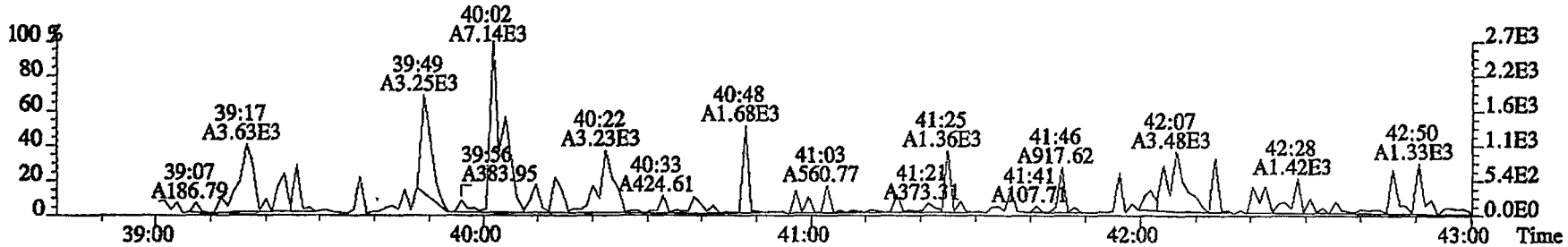
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



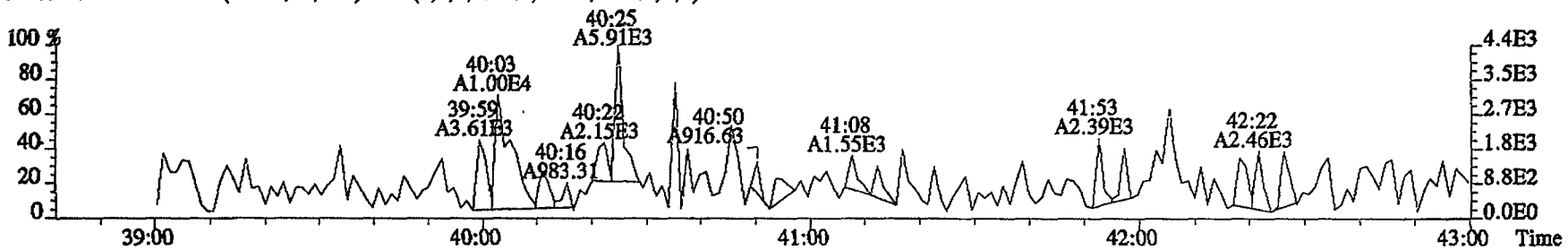
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



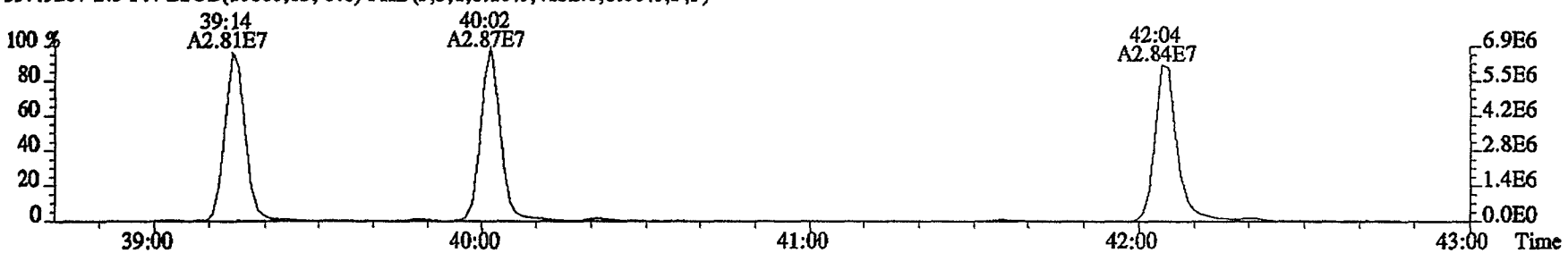
File:040519E1 #1-510 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



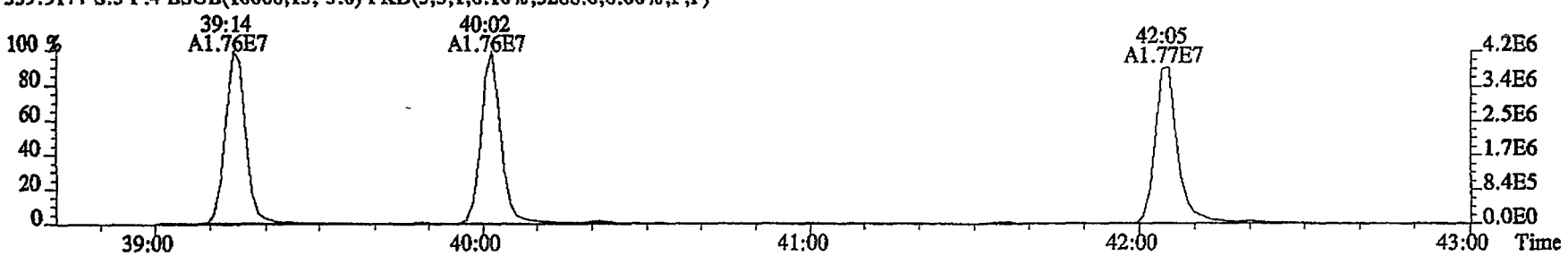
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,932.0,0.00%,F,F)



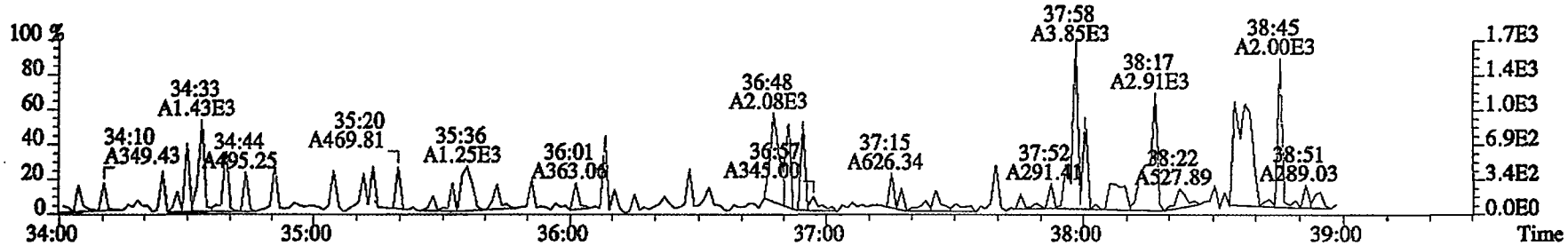
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4152.0,0.00%,F,F)



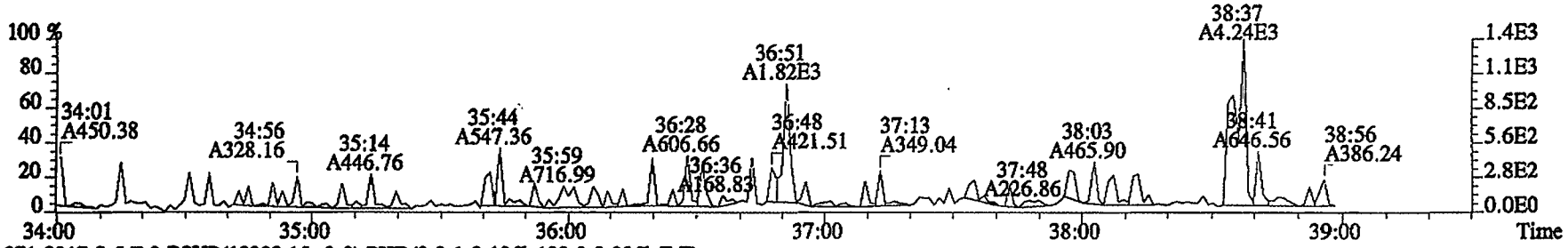
339.9177 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3288.0,0.00%,F,F)



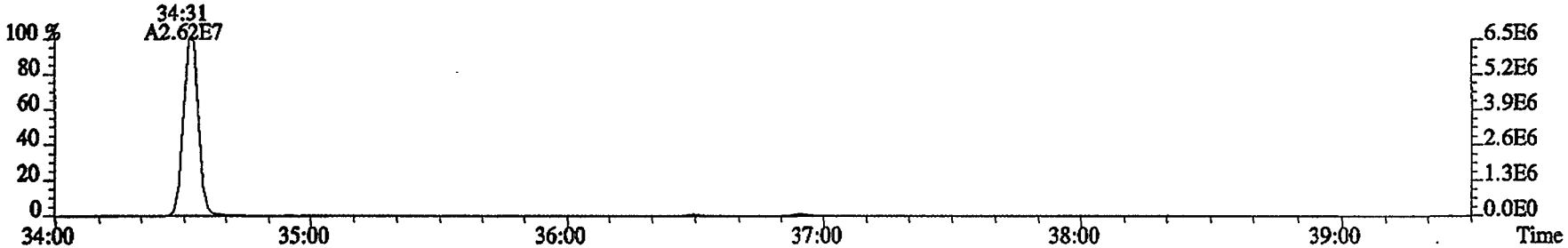
File:040519E1 #1-685 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
359.8415 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



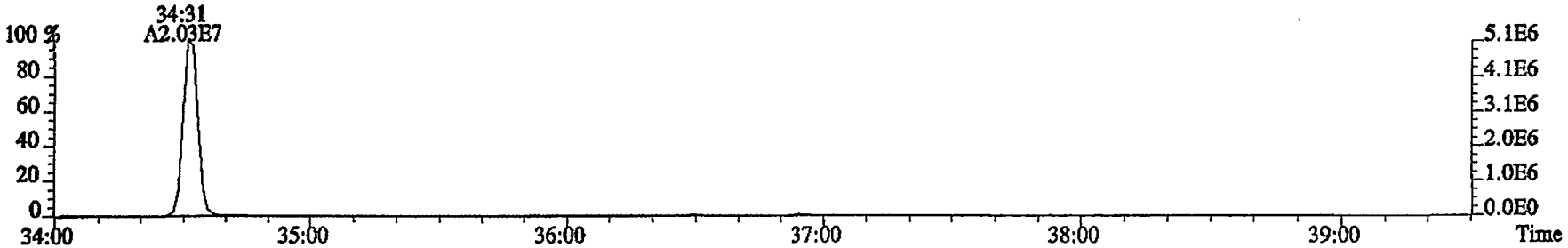
361.8385 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



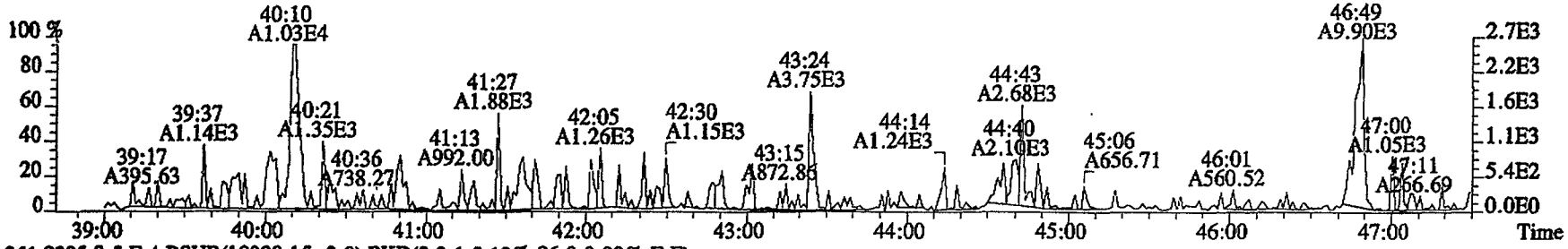
371.8817 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



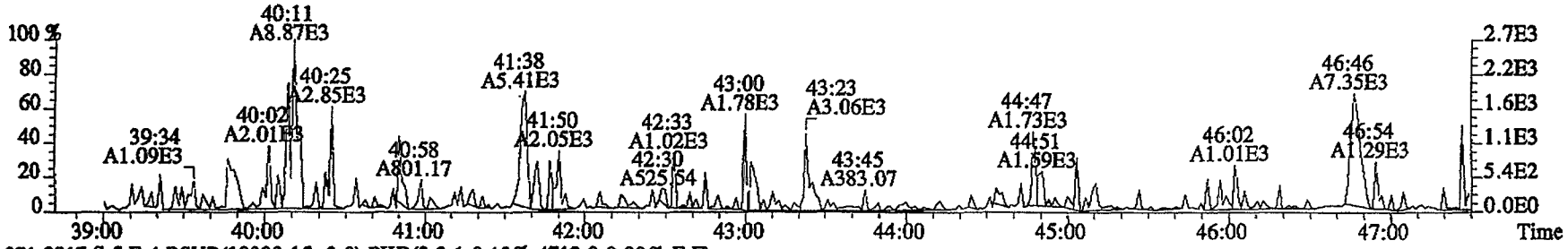
373.8788 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



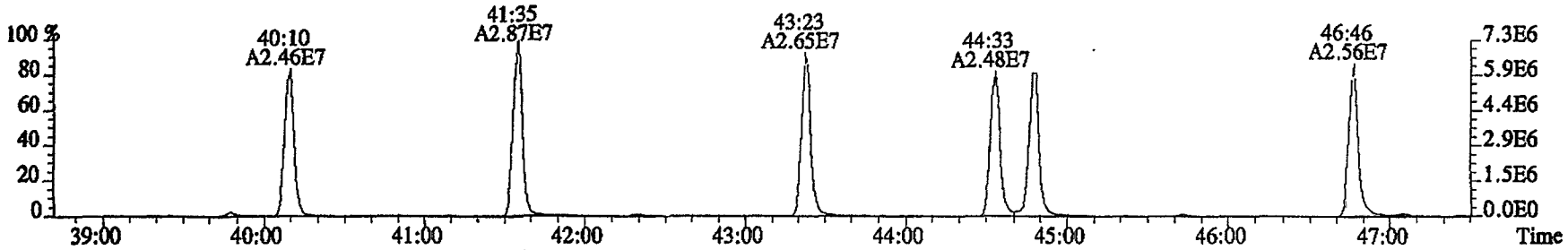
File:040519E1 #1-510 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
359.8415 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



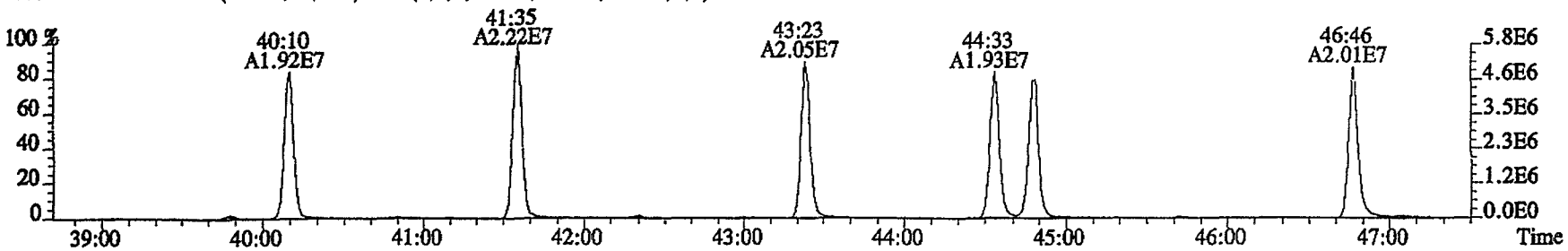
361.8385 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



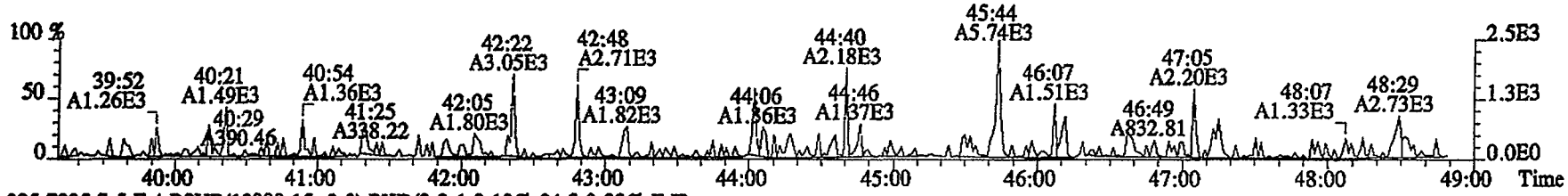
371.8817 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4712.0,0.00%,F,F)



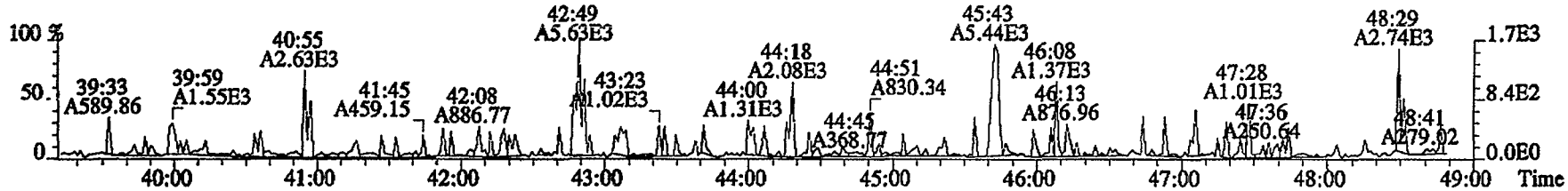
373.8788 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4316.0,0.00%,F,F)



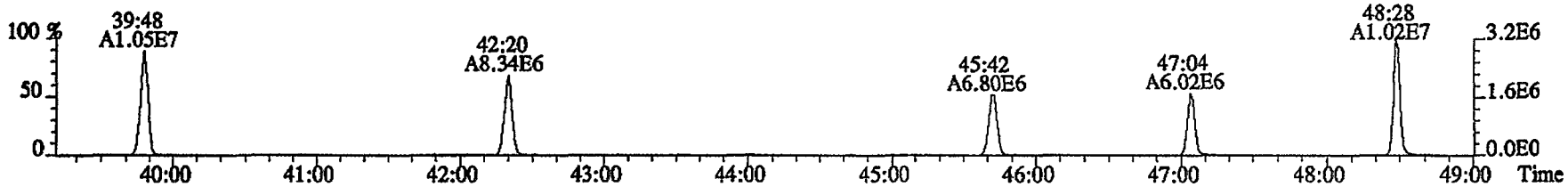
File:040519E1 #1-510 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
393.8025 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



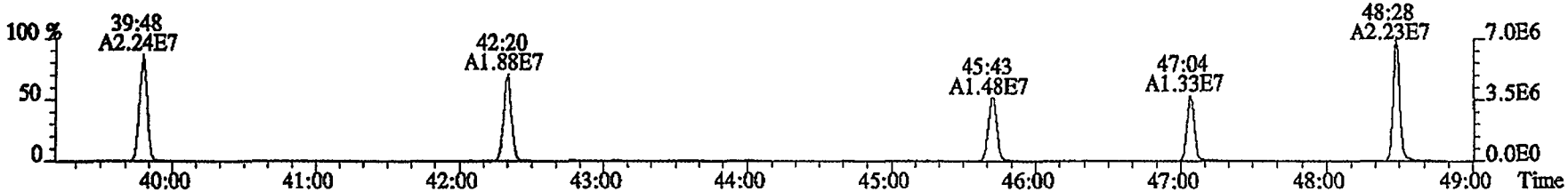
395.7995 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



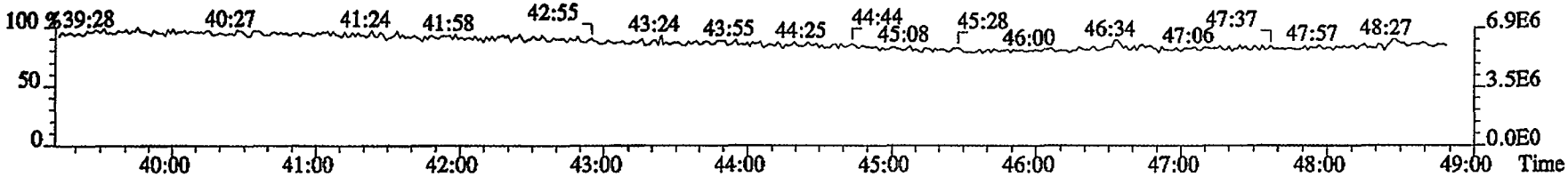
403.8457 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



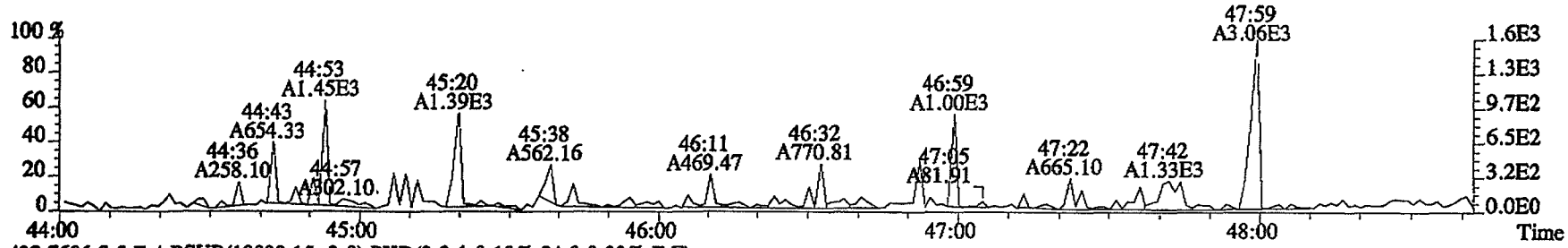
405.8428 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



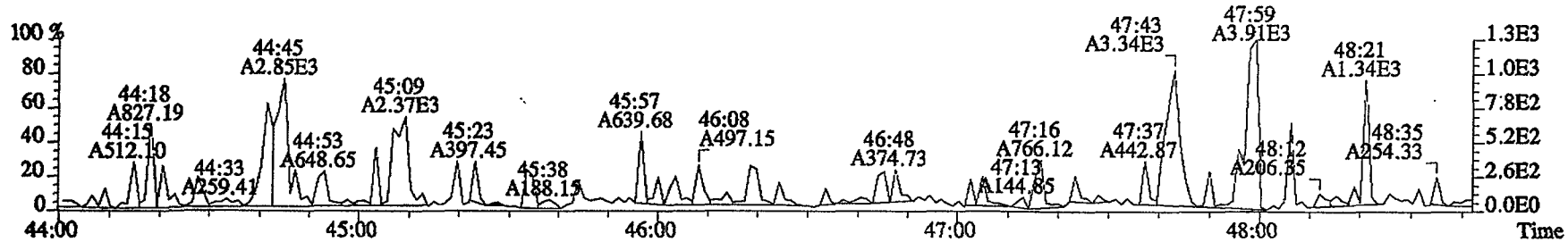
380.9760 S:5 F:4



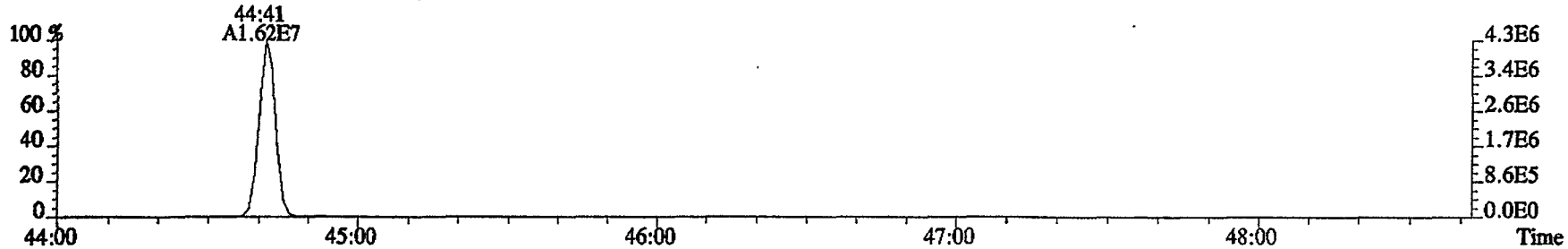
File:040519E1 #1-510 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
427.7635 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



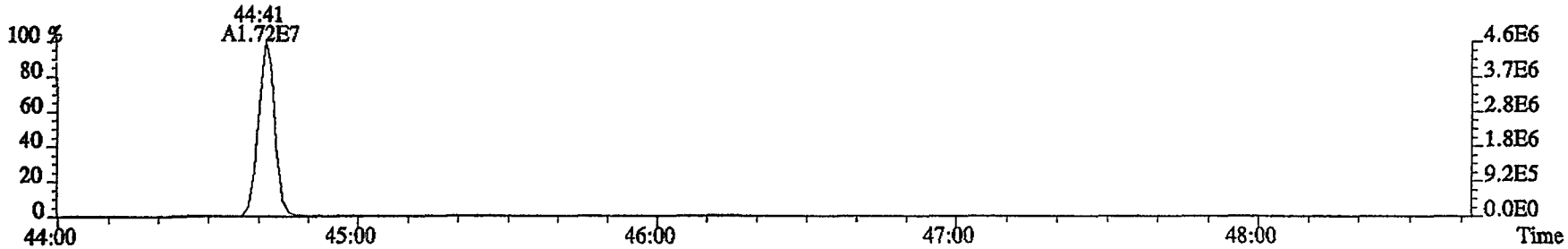
429.7606 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



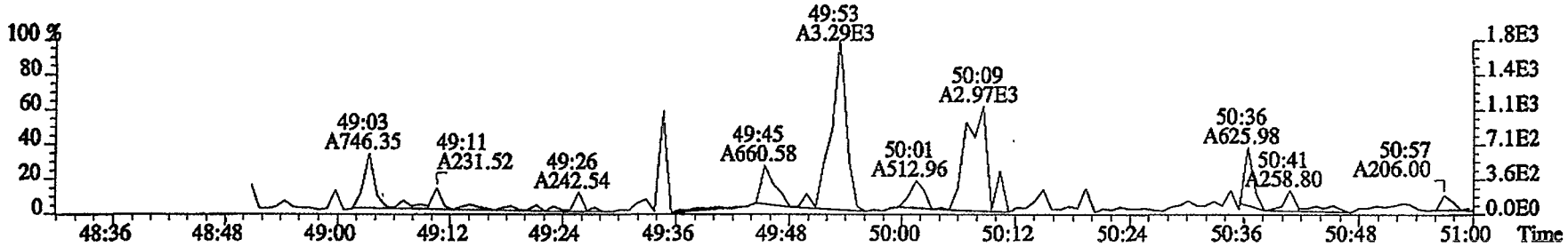
439.8038 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



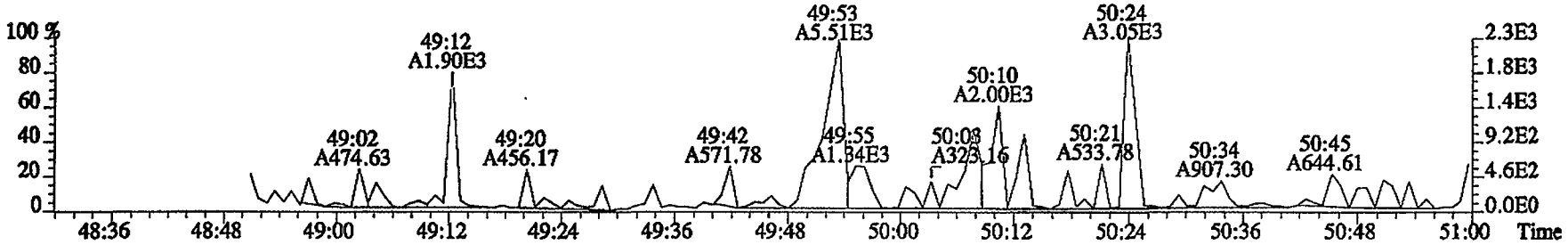
441.8008 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



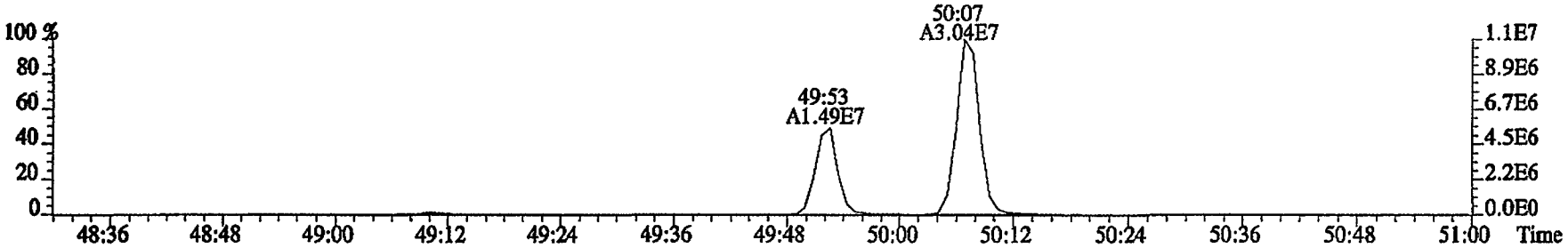
File:040519E1 #1-414 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



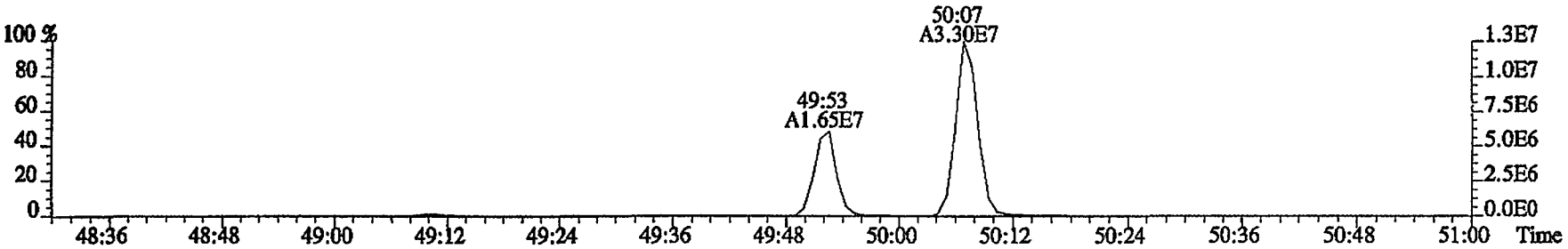
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



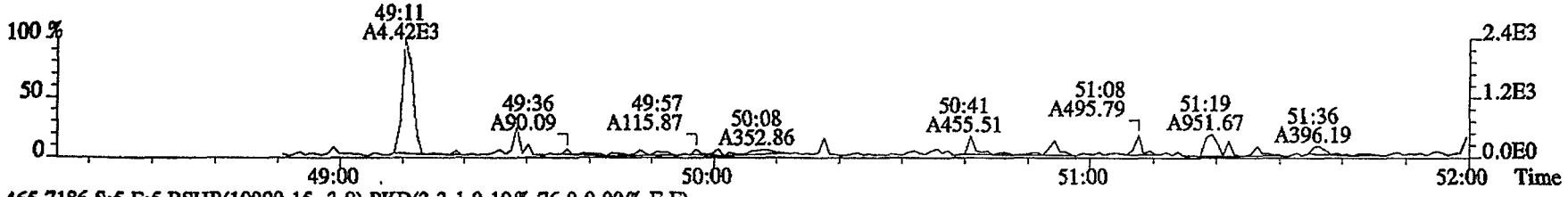
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



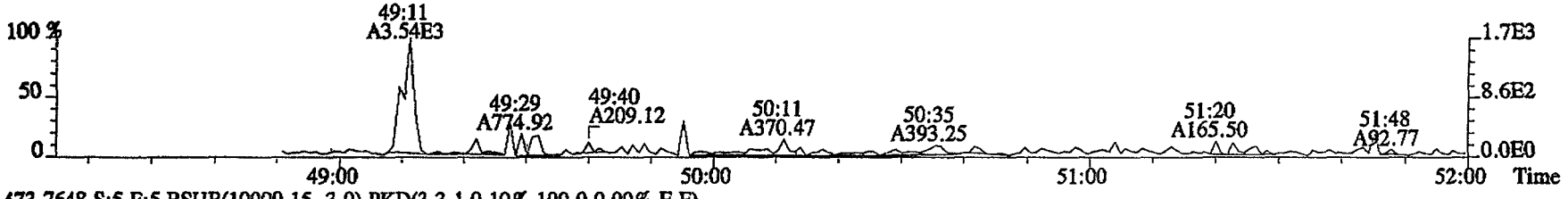
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



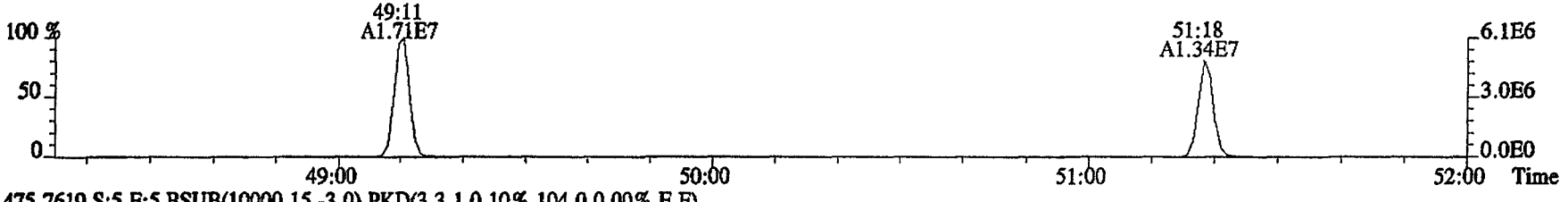
File:040519B1 #1-414 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
463.7216 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



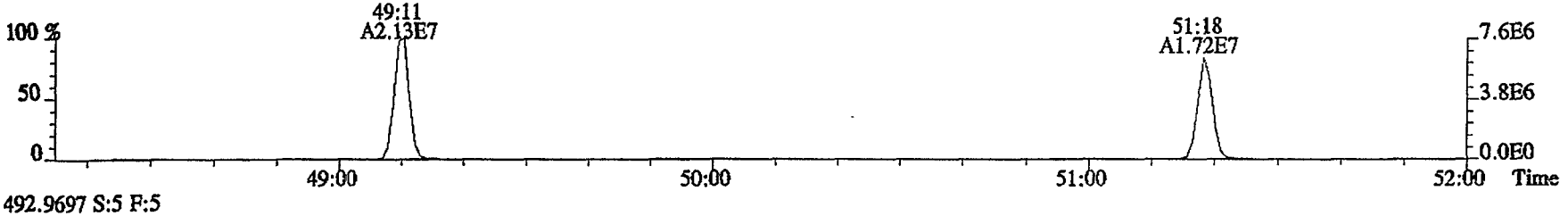
465.7186 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



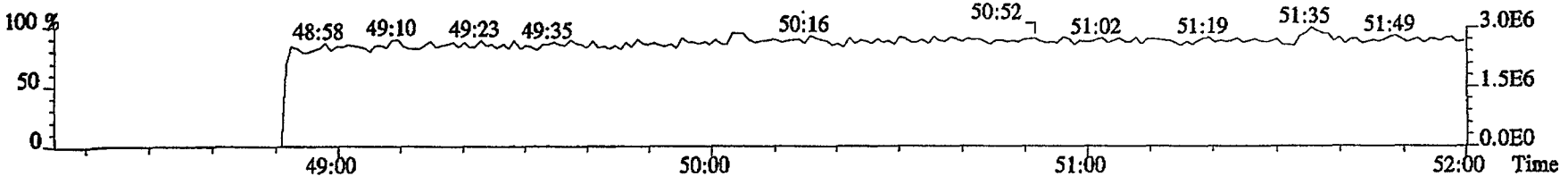
473.7648 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



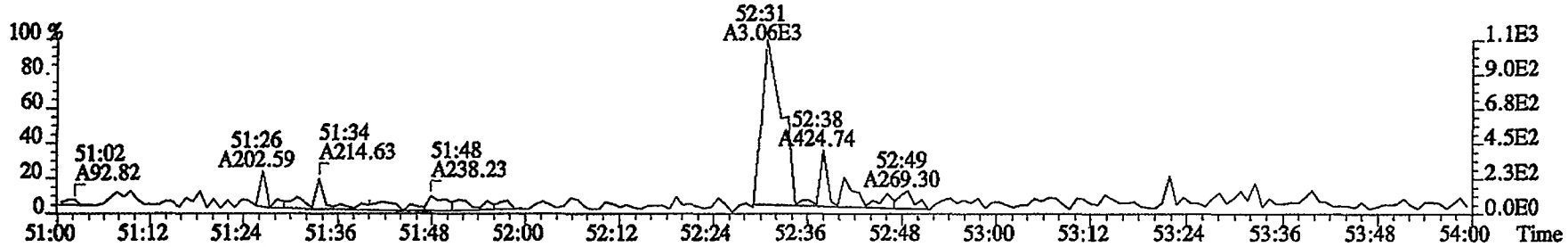
475.7619 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



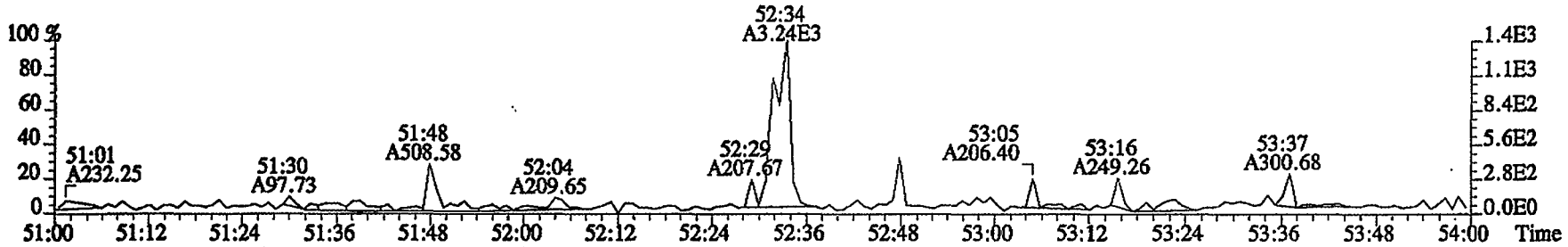
492.9697 S:5 F:5



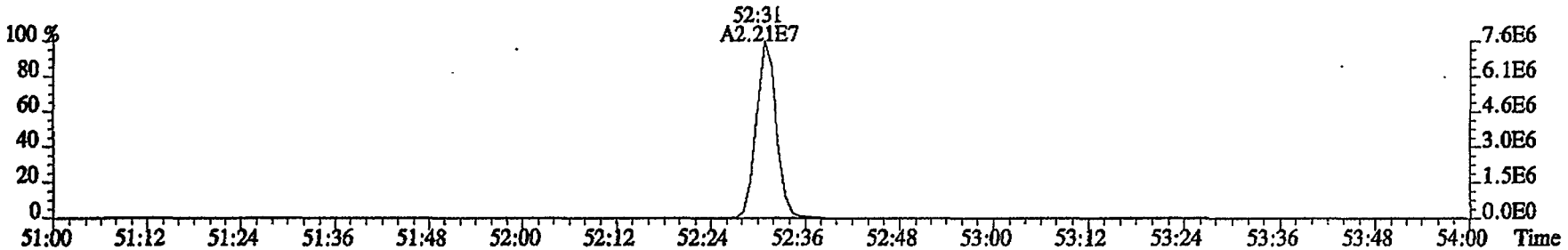
File:040519E1 #1-414 Acq:19-MAY-2004 14:56:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:24990_5892_001 84FB-AIR-107 1Train Exp:PCB_DB1
497.6826 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



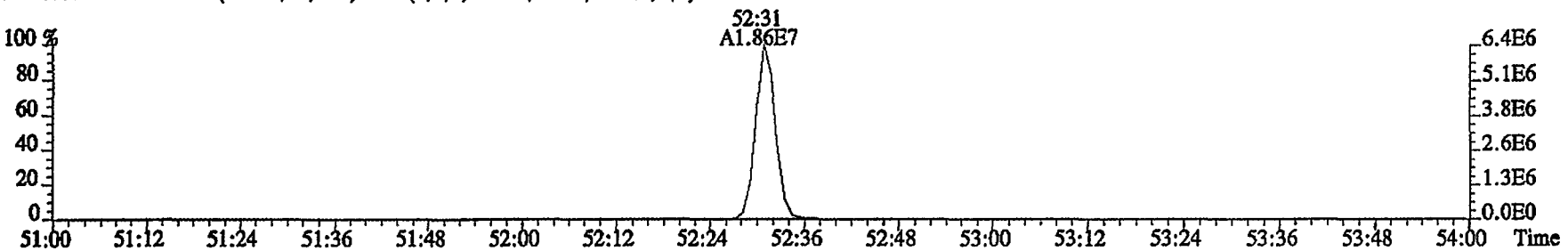
499.6797 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



509.7229 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



511.7199 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



Client ID: 84-AIR-101 Filename: 040519E1 S:6 Acq:19-MAY-04 15:56:45 ConCal: ST040519E1-1

Lab ID: 24990_5892_002 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	5.53e+06	3.00 y	1.00	15:15	1.000	0.996-1.006	1.60
PCB-2	6.59e+05	2.90 y	0.84	17:30	0.988	0.984-0.994	0.149
PCB-3	3.72e+06	3.00 y	0.96	17:44	1.001	0.996-1.006	0.737
PCB-4/10	3.54e+07	1.64 y	1.81	18:58	1.001	0.998-1.008	8.28
PCB-7/9	8.26e+06	1.67 y	1.48	20:38	1.001	0.997-1.007	1.40
PCB-6	2.45e+07	1.65 y	1.48	21:15	1.031	1.027-1.037	4.15
PCB-5/8	1.45e+08	1.67 y	1.44	21:37	1.049	1.044-1.054	25.4
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	2.92e+06	1.71 y	1.45	23:46	1.153	1.148-1.159	0.507
PCB-12/13	3.28e+06	1.61 y	1.50	24:06	1.169	1.165-1.177	0.549
PCB-15	4.48e+07	1.66 y	1.70	24:25	1.184	1.180-1.192	6.63
PCB-19	9.06e+06	1.04 y	1.18	22:47	1.000	0.996-1.006	2.77
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	9.41e+07	1.04 y	0.69	24:18	0.954	0.950-0.960	28.0
PCB-17	4.32e+07	1.03 y	0.78	24:29	0.961	0.956-0.966	11.4
PCB-24/27	9.84e+06	1.04 y	0.99	25:00	0.982	0.977-0.987	2.04
- PCB-16/32	7.20e+07	1.04 y	0.85	25:27	0.999	0.995-1.005	17.3
- PCB-34	4.62e+05	1.09 y	1.19	26:13	0.961	0.956-0.966	0.0889
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	1.28e+06	1.12 y	1.35	26:31	0.972	0.968-0.978	0.217
PCB-26	2.53e+07	1.07 y	1.28	26:43	0.979	0.975-0.985	4.53
PCB-25	1.29e+07	1.07 y	1.33	26:52	0.985	0.980-0.990	2.22
PCB-31	1.37e+08	1.06 y	1.30	27:12	0.997	0.991-1.001	24.2
PCB-28	1.57e+08	1.09 y	1.54	27:17	1.000	0.996-1.006	23.3
PCB-20/21/33	1.16e+08	1.07 y	1.27	27:52	1.021	1.016-1.026	20.8
PCB-22	5.87e+07	1.07 y	1.33	28:15	1.035	1.031-1.041	10.1
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	1.38e+06	1.06 y	1.42	30:27	0.987	0.982-0.992	0.247
PCB-37	3.47e+07	1.09 y	1.57	30:51	1.000	0.995-1.005	5.62
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	4.89e+06	0.76 y	0.71	27:54	1.064	1.059-1.069	1.81
PCB-51	1.76e+06	0.76 y	0.72	28:13	1.076	1.071-1.081	0.644
PCB-45	5.39e+06	0.74 y	0.62	28:36	1.091	1.087-1.097	2.28
PCB-46	2.11e+06	0.77 y	0.60	29:03	1.108	1.102-1.114	0.920

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	2.31e+07	0.77 y	0.81	29:29	1.124	1.119-1.131	7.57
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	1.92e+07	0.76 y	0.71	29:45	1.135	1.129-1.141	7.19
PCB-47	6.18e+06	0.77 y	0.73	29:57	1.142	1.136-1.148	2.25
PCB-48/75	8.24e+06	0.77 y	0.86	30:04	1.147	1.141-1.153	2.53
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	1.86e+07	0.76 y	0.61	30:40	1.170	1.164-1.176	8.04
PCB-42/59	1.05e+07	0.77 y	0.79	30:53	1.178	1.171-1.183	3.51
PCB-41/64/71/72	2.67e+07	0.76 y	0.88	31:25	1.198	1.193-1.205	8.03
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	3.39e+06	0.74 y	0.53	31:50	1.214	1.208-1.220	1.68
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	1.32e+06	0.73 y	1.12	32:28	0.892	0.886-0.895	0.326
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	9.60e+05	0.74 y	1.09	32:44	0.900	0.893-0.902	0.244
PCB-74	1.28e+07	0.76 y	1.15	32:59	0.906	0.900-0.909	3.07
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	2.42e+07	0.75 y	1.14	33:10	0.912	0.905-0.915	5.88
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	2.17e+07	0.76 y	1.31	33:22	0.917	0.911-0.921	4.57
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	7.79e+05	0.86 y	1.10	33:51	0.930	0.925-0.935	0.196
PCB-56/60	1.66e+07	0.77 y	1.09	34:17	0.942	0.936-0.946	4.21
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	9.83e+05	0.79 y	1.06	36:57	1.001	0.995-1.005	0.248
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	3.43e+06	1.58 y	1.09	33:25	1.001	0.995-1.005	1.40
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	6.11e+05	1.57 y	1.00	33:47	1.011	1.006-1.016	0.272
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng Integrations by

RL: DI, TETRA - HEPTA: 0.100 ng Analyst: [illegible]

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84-AIR-101 Filename: 040519E1 S:6 Acq:19-MAY-04 15:56:45 ConCal: ST040519E1-1

Lab ID: 24990_5892_002 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
	PCB-84/92	1.51e+06	1.60	y	1.01	34:37	0.990	0.985	0.995	0.662
	PCB-89	*	*	n	0.96	NotFnd	*	0.990	1.000	*
	PCB-90/101	3.65e+06	1.60	y	1.14	34:58	1.000	0.995	1.005	1.42
	PCB-113	*	*	n	1.19	NotFnd	*	1.001	1.011	*
	PCB-99	1.58e+06	1.47	y	1.27	35:16	1.009	1.004	1.014	0.554
	PCB-119	*	*	n	1.45	NotFnd	*	1.016	1.026	*
	PCB-108/112	*	*	n	1.15	NotFnd	*	1.020	1.030	*
	PCB-83	*	*	n	1.31	NotFnd	*	1.024	1.034	*
	PCB-97	9.36e+05	1.62	y	1.02	36:08	1.034	1.029	1.039	0.406
	PCB-86	*	*	n	0.91	NotFnd	*	1.032	1.042	*
	B-87/117/125	1.45e+06	1.53	y	1.32	36:24	1.041	1.036	1.046	0.488
	PCB-111/115	*	*	n	1.46	NotFnd	*	1.040	1.050	*
	PCB-85/116	5.76e+05	1.63	y	1.21	36:38	1.048	1.043	1.053	0.212
	PCB-120	*	*	n	1.53	NotFnd	*	1.050	1.060	*
	PCB-110	3.37e+06	1.55	y	1.47	37:00	1.058	1.054	1.064	1.02
	PCB-82	3.16e+05	1.52	y	0.70	37:34	0.977	0.972	0.982	0.170
	PCB-124	*	*	n	1.17	NotFnd	*	0.988	0.998	*
	PCB-107/109	*	*	n	1.21	NotFnd	*	0.991	1.001	*
	PCB-123	*	*	n	1.15	NotFnd	*	0.995	1.005	*
-	PCB-106/118	2.04e+06	1.54	y	1.06	38:40	1.001	0.996	1.006	0.653
-	PCB-114	*	*	n	1.40	NotFnd	*	0.995	1.005	*
	PCB-122	*	*	n	1.45	NotFnd	*	0.979	0.989	*
	PCB-105	7.79e+05	1.55	y	1.44	40:02	1.000	0.996	1.006	0.194
	PCB-127	*	*	n	1.35	NotFnd	*	1.004	1.014	*
	PCB-126	*	*	n	1.41	NotFnd	*	0.995	1.005	*
	PCB-155	*	*	n	1.12	NotFnd	*	0.995	1.005	*
	PCB-150	*	*	n	1.04	NotFnd	*	1.028	1.038	*
	PCB-152	*	*	n	1.03	NotFnd	*	1.041	1.051	*
	PCB-145	*	*	n	1.02	NotFnd	*	1.052	1.062	*
	PCB-136	2.90e+05	1.29	y	1.00	36:48	1.066	1.061	1.071	0.106
	PCB-148	*	*	n	0.79	NotFnd	*	1.064	1.074	*
	PCB-154	*	*	n	0.92	NotFnd	*	1.077	1.087	*
	PCB-151	2.54e+05	1.40	y	0.72	37:56	1.099	1.094	1.104	0.129
	PCB-135	*	*	n	0.70	NotFnd	*	1.098	1.110	*
	PCB-144	*	*	n	0.77	NotFnd	*	1.101	1.113	*
	PCB-147	*	*	n	0.83	NotFnd	*	1.105	1.117	*
	PCB-139/149	9.06e+05	1.29	y	0.80	38:35	1.118	1.112	1.124	0.415

	Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
-	PCB-140	*	*	n	0.80	NotFnd	*	1.117	1.129	*
-	PCB-134/143	*	*	n	0.74	NotFnd	*	1.128	1.140	*
	PCB-133/142	*	*	n	0.74	NotFnd	*	1.136	1.148	*
	PCB-131	*	*	n	0.72	NotFnd	*	1.140	1.152	*
	PCB-146/165	*	*	n	1.01	NotFnd	*	0.986	0.996	*
	PCB-132/161	3.59e+05	1.11	y	0.96	40:02	0.997	0.991	1.001	0.143
	PCB-153	1.00e+06	1.29	y	1.03	40:10	1.000	0.995	1.005	0.371
	PCB-168	*	*	n	1.11	NotFnd	*	1.000	1.010	*
	PCB-141	*	*	n	0.89	NotFnd	*	1.012	1.022	*
	PCB-137	*	*	n	0.84	NotFnd	*	1.021	1.031	*
	PCB-130	*	*	n	0.77	NotFnd	*	1.023	1.033	*
	PCB-138/163/164	8.79e+05	1.24	y	1.09	41:36	1.036	1.032	1.042	0.307
	PCB-158/160	*	*	n	1.16	NotFnd	*	1.037	1.047	*
	PCB-129	*	*	n	0.73	NotFnd	*	1.042	1.052	*
	PCB-166	*	*	n	0.93	NotFnd	*	0.974	0.984	*
	PCB-159	*	*	n	0.99	NotFnd	*	0.981	0.991	*
	PCB-128/162	*	*	n	0.84	NotFnd	*	0.987	0.997	*
	PCB-167	*	*	n	0.97	NotFnd	*	0.995	1.005	*
	PCB-156	*	*	n	1.04	NotFnd	*	0.995	1.005	*
	PCB-157	*	*	n	0.96	NotFnd	*	0.996	1.006	*
	PCB-169	*	*	n	0.96	NotFnd	*	0.995	1.005	*
	PCB-188	*	*	n	1.47	NotFnd	*	0.995	1.005	*
	PCB-184	*	*	n	1.48	NotFnd	*	1.005	1.015	*
	PCB-179	*	*	n	1.38	NotFnd	*	1.023	1.033	*
	PCB-176	*	*	n	1.34	NotFnd	*	1.034	1.044	*
	PCB-186	*	*	n	1.38	NotFnd	*	1.048	1.058	*
	PCB-178	*	*	n	0.99	NotFnd	*	1.059	1.069	*
	PCB-175	*	*	n	0.98	NotFnd	*	1.067	1.077	*
	PCB-182/187	*	*	n	1.16	NotFnd	*	1.071	1.081	*
	PCB-183	*	*	n	1.12	NotFnd	*	1.078	1.088	*
	PCB-185	*	*	n	1.38	NotFnd	*	0.952	0.962	*
	PCB-174	*	*	n	1.46	NotFnd	*	0.959	0.969	*
	PCB-181	*	*	n	1.42	NotFnd	*	0.961	0.971	*
	PCB-177	*	*	n	1.35	NotFnd	*	0.964	0.974	*
	PCB-171	*	*	n	1.45	NotFnd	*	0.970	0.980	*
	PCB-173	*	*	n	1.29	NotFnd	*	0.978	0.988	*
	PCB-172	*	*	n	1.30	NotFnd	*	0.987	0.997	*

RL: MONO, TRI: 0.0500ng

RL: DI, TETRA - HEPTA: 0.100ng

RL: OCTA - DECA: 0.150ng

Integrations by Analyst: [illegible]

Date: 5-20-04

Client ID: 84-AIR-101 Filename: 040519E1 S:6 Acq:19-MAY-04 15:56:45 ConCal: ST040519E1-1

Lab ID: 24990_5892_002 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-192	*	* n	1.70	NotFnd	*	0.991-1.001	*
PCB-180	*	* n	1.50	NotFnd	*	0.995-1.005	*
PCB-193	*	* n	1.94	NotFnd	*	0.999-1.009	*
PCB-191	*	* n	1.79	NotFnd	*	1.004-1.014	*
PCB-170	*	* n	1.53	NotFnd	*	0.995-1.005	*
PCB-190	*	* n	2.02	NotFnd	*	0.999-1.009	*
PCB-189	*	* n	1.42	NotFnd	*	0.995-1.005	*
PCB-202	*	* n	1.00	NotFnd	*	0.996-1.006	*
PCB-201	*	* n	0.99	NotFnd	*	1.005-1.015	*
PCB-204	*	* n	1.02	NotFnd	*	1.008-1.018	*
PCB-197	*	* n	1.04	NotFnd	*	1.014-1.025	*
PCB-200	*	* n	0.98	NotFnd	*	1.032-1.042	*
PCB-198	*	* n	0.68	NotFnd	*	1.060-1.070	*
PCB-199	*	* n	0.74	NotFnd	*	1.062-1.072	*
- PCB-196/203	*	* n	0.79	NotFnd	*	1.068-1.078	*
- PCB-195	*	* n	1.18	NotFnd	*	0.979-0.989	*
PCB-194	*	* n	1.28	NotFnd	*	0.995-1.005	*
PCB-205	*	* n	1.67	NotFnd	*	1.000-1.010	*
PCB-208	*	* n	0.94	NotFnd	*	0.995-1.005	*
PCB-207	*	* n	0.84	NotFnd	*	1.001-1.014	*
PCB-206	*	* n	0.88	NotFnd	*	0.995-1.005	*
PCB-209	*	* n	1.11	NotFnd	*	0.995-1.005	*

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	9.91e+06	3.00 y	15:15	0.93	2.49	
Total Di-PCB	2.64e+08	1.64 y	18:58	1.51	46.9	
Total Tri-PCB	2.28e+08	1.04 y	22:47	0.99	61.5	
Total Tri-PCB	5.45e+08	1.09 y	26:13	1.38	91.4	Sum:153
Total Tetra-PCB	2.10e+08	0.76 y	27:54	0.81	65.2	
Total Penta-PCB	1.95e+07	1.58 y	33:25	1.10	7.25	
Total Penta-PCB	7.79e+05	1.55 y	40:02	1.41	0.194	Sum:7.45
Total Hexa-PCB	1.45e+06	1.29 y	36:48	0.88	0.650	
Total Hexa-PCB	2.24e+06	1.11 y	40:02	0.92	0.821	Sum:1.47
Total Hepta-PCB	*	* n	NotFnd	1.37	*	
Total Octa-PCB	*	* n	NotFnd	0.89	*	
Total Octa-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	* n	NotFnd	0.89	*	
Total Deca-PCB	*	* n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng Integrations by

RL: DI, TETRA - HEPTA: 0.100 ng Analyst: [illegible]

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: [illegible]4-AIR-101 Filename: 040519E1 S:6 Acq:19-MAY-04 15:56:45 ConCal: ST040519E1-1

Lab ID: 24990_5892_002 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

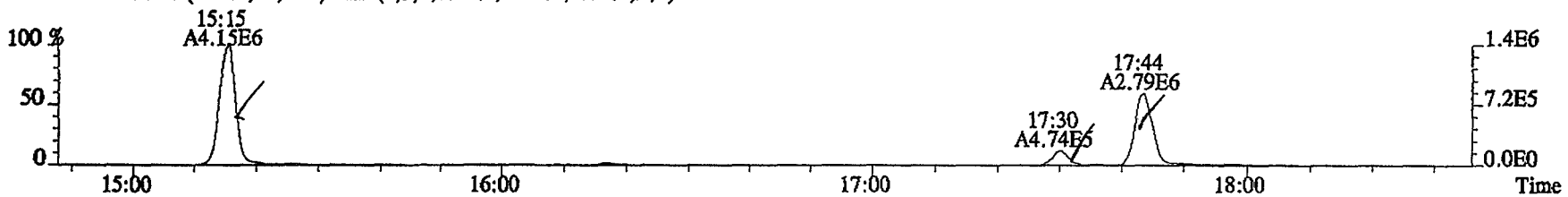
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	6.93e+07	3.21 y	1.09	15:15	0.625	0.624-0.630	9.81	49.1
13C-PCB-3	1.05e+08	3.13 y	1.24	17:43	0.726	0.723-0.731	13.0	64.9
13C-PCB-4	4.72e+07	1.59 y	0.59	18:56	0.776	0.774-0.782	12.4	61.8
13C-PCB-9	7.96e+07	1.60 y	0.90	20:37	0.845	0.842-0.850	13.6	68.1
13C-PCB-19	5.54e+07	1.05 y	0.70	22:47	0.838	0.835-0.843	14.2	70.9
13C-PCB-28	8.72e+07	1.07 y	1.09	27:17	1.004	0.998-1.008	14.3	71.4
13C-PCB-32	9.78e+07	1.05 y	1.18	25:28	0.937	0.932-0.942	14.9	74.3
13C-PCB-37	7.88e+07	1.07 y	0.93	30:50	1.135	1.128-1.140	15.2	75.8
13C-PCB-54	7.58e+07	0.80 y	1.15	26:13	0.765	0.762-0.770	13.6	68.0
13C-PCB-77	7.47e+07	0.79 y	1.01	36:56	1.077	1.071-1.081	15.3	76.4
13C-PCB-81	7.24e+07	0.78 y	0.98	36:23	1.061	1.056-1.066	15.3	76.3
13C-PCB-95	4.49e+07	1.58 y	0.73	33:24	0.914	0.910-0.920	16.2	81.1
13C-PCB-101	4.51e+07	1.58 y	0.73	34:57	0.957	0.952-0.962	16.2	80.9
13C-PCB-104	5.83e+07	1.54 y	0.93	30:31	0.835	0.832-0.840	16.4	81.8
13C-PCB-105	5.58e+07	1.61 y	1.09	40:02	0.962	0.957-0.967	18.6	92.8
13C-PCB-114	5.57e+07	1.60 y	1.13	39:14	0.944	0.938-0.948	17.8	89.2
13C-PCB-118	5.88e+07	1.53 y	0.98	38:39	1.057	1.053-1.063	15.7	78.4
13C-PCB-123	5.35e+07	1.56 y	0.87	38:28	1.053	1.048-1.058	16.0	80.2
13C-PCB-126	5.60e+07	1.57 y	1.06	42:05	1.012	1.006-1.016	19.2	96.0
13C-PCB-153	5.25e+07	1.25 y	1.12	40:09	0.966	0.961-0.971	17.0	84.8
13C-PCB-155	5.47e+07	1.29 y	0.97	34:31	0.830	0.827-0.835	14.7	73.7
13C-PCB-156	5.73e+07	1.27 y	1.24	44:33	1.071	1.066-1.076	16.7	83.3
13C-PCB-157	6.04e+07	1.30 y	1.33	44:47	1.077	1.072-1.082	16.4	82.1
13C-PCB-167	5.85e+07	1.27 y	1.28	43:23	1.043	1.038-1.048	16.5	82.3
13C-PCB-169	5.53e+07	1.28 y	1.26	46:46	1.125	1.118-1.130	15.8	79.1
13C-PCB-170	2.31e+07	0.45 y	0.56	47:04	1.132	1.125-1.137	15.0	74.9
13C-PCB-180	2.67e+07	0.46 y	0.65	45:42	1.099	1.094-1.104	14.8	74.0
13C-PCB-188	4.06e+07	0.46 y	0.92	39:48	0.957	0.952-0.962	15.9	79.4
13C-PCB-189	4.14e+07	0.45 y	0.85	48:28	1.165	1.158-1.170	17.7	88.5
13C-PCB-194	3.68e+07	0.93 y	0.71	49:52	0.995	0.990-1.000	14.8	73.8
13C-PCB-202	4.23e+07	0.91 y	1.02	44:41	1.075	1.070-1.080	15.1	75.3
13C-PCB-206	3.57e+07	0.77 y	0.65	51:18	1.024	1.019-1.029	15.7	78.4
13C-PCB-208	4.39e+07	0.79 y	0.94	49:10	0.981	0.977-0.987	13.4	66.9
13C-PCB-209	4.76e+07	1.19 y	0.97	52:31	1.048	1.044-1.054	14.0	69.8
13C-PCB-15	1.30e+08	1.59 y	1.00	24:23			20.0	-
13C-PCB-31	1.12e+08	1.07 y	1.00	27:10			20.0	-
13C-PCB-60	9.70e+07	0.80 y	1.00	34:17			20.0	-
13C-PCB-111	7.64e+07	1.56 y	1.00	36:32			20.0	-
13C-PCB-138	5.53e+07	1.27 y	1.00	41:35			20.0	-
13C-PCB-205	7.02e+07	0.91 y	1.00	50:07			20.0	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	7.37e+07	0.80	y	29:29	0.82	24.9	99.7
13C-PCB-178	3.24e+07	0.46	y	42:20	0.90	26.9	108

Integrations by Analyst: [illegible]

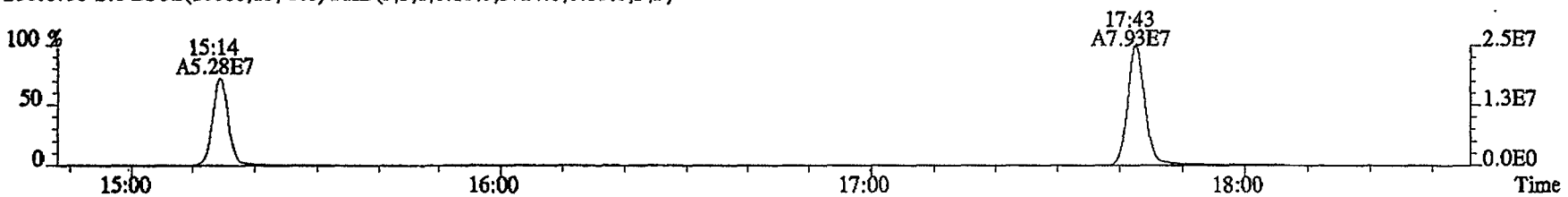
Date: 5-20-04

File:040519E1 #1-728 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
188.0393 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1736.0,0.00%,F,F)

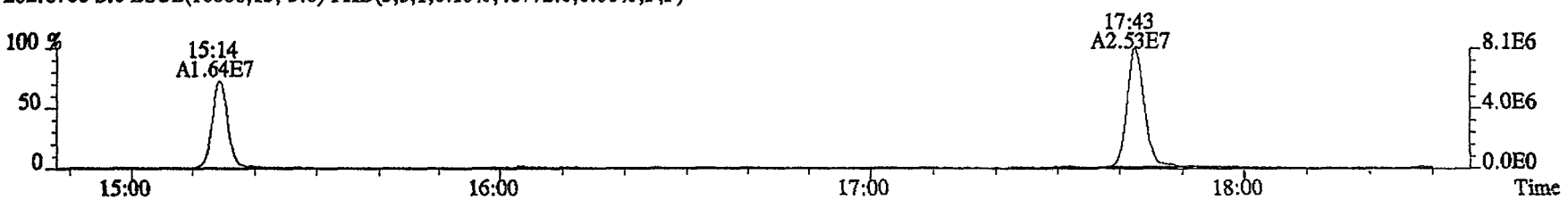


190.0363 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1108.0,0.00%,F,F)

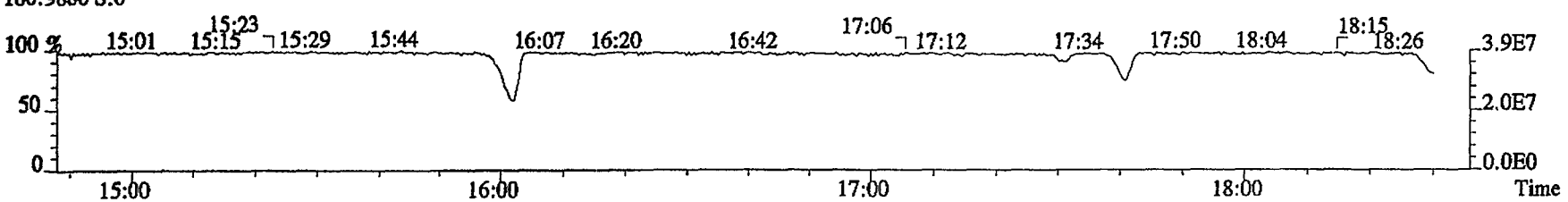
200.0795 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3724.0,0.00%,F,F)



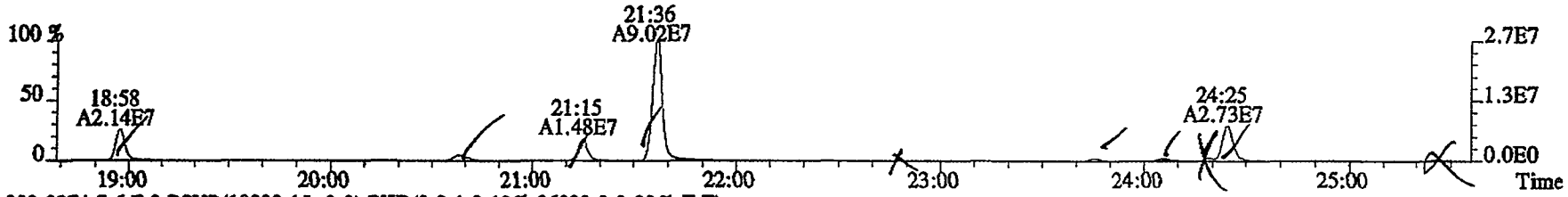
202.0766 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,46772.0,0.00%,F,F)



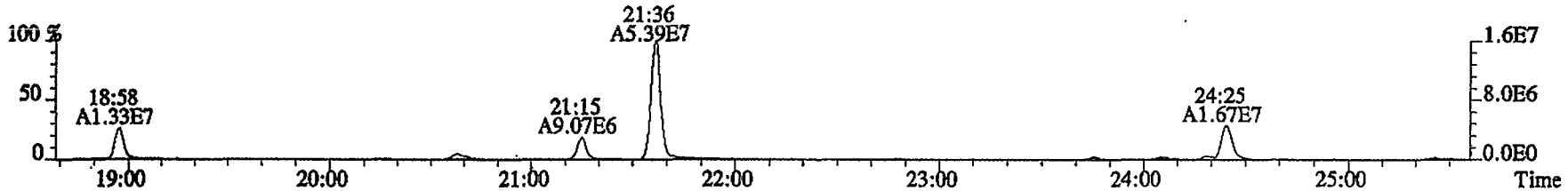
180.9880 S:6



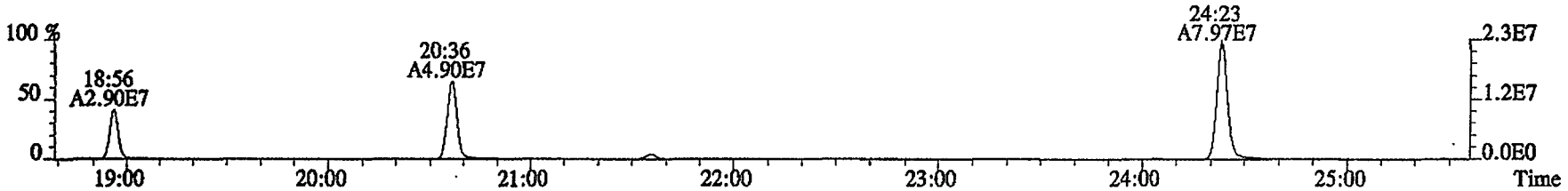
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4396.0,0.00%,F,F)



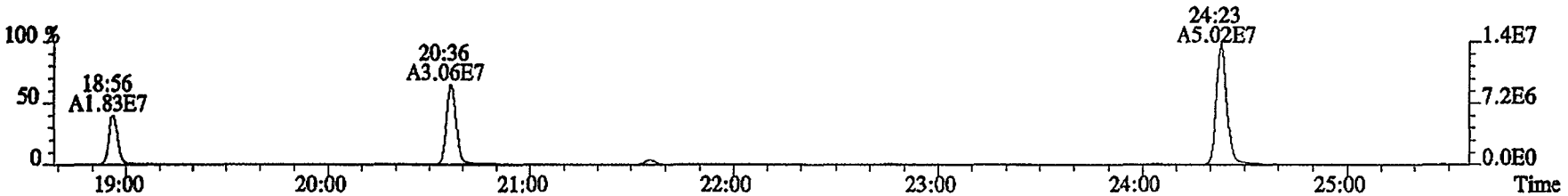
223.9974 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26032.0,0.00%,F,F)



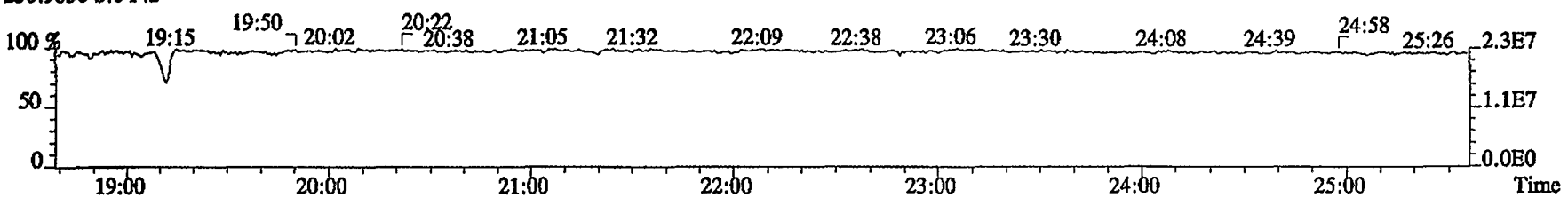
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,880.0,0.00%,F,F)



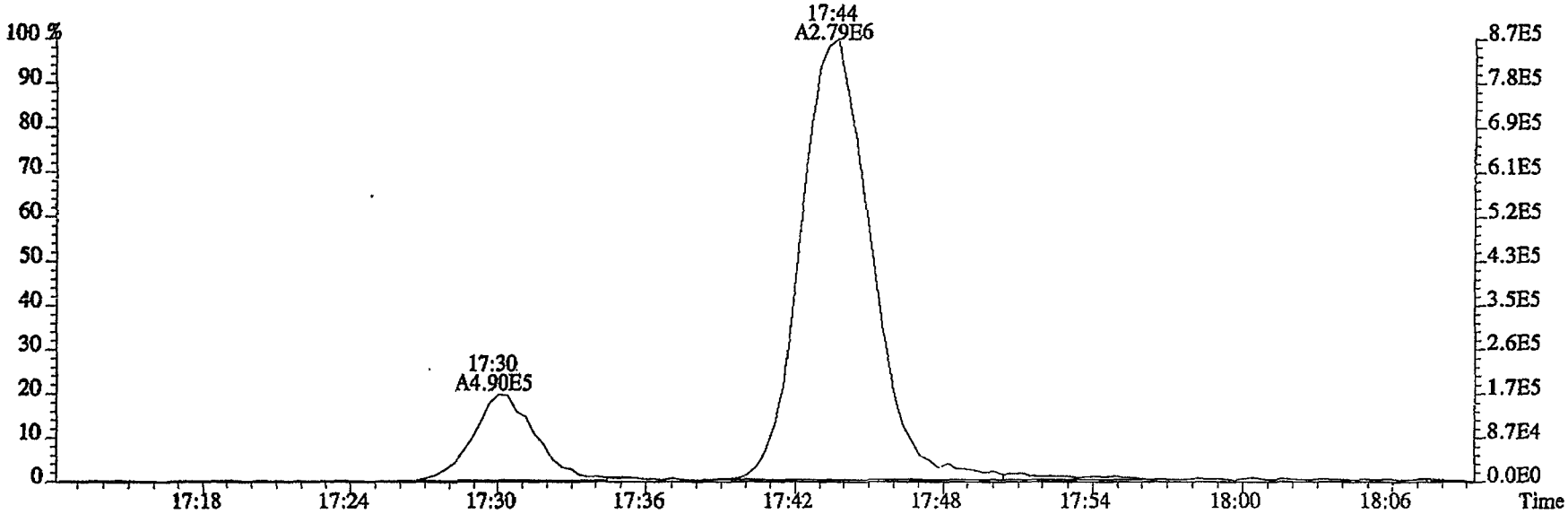
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



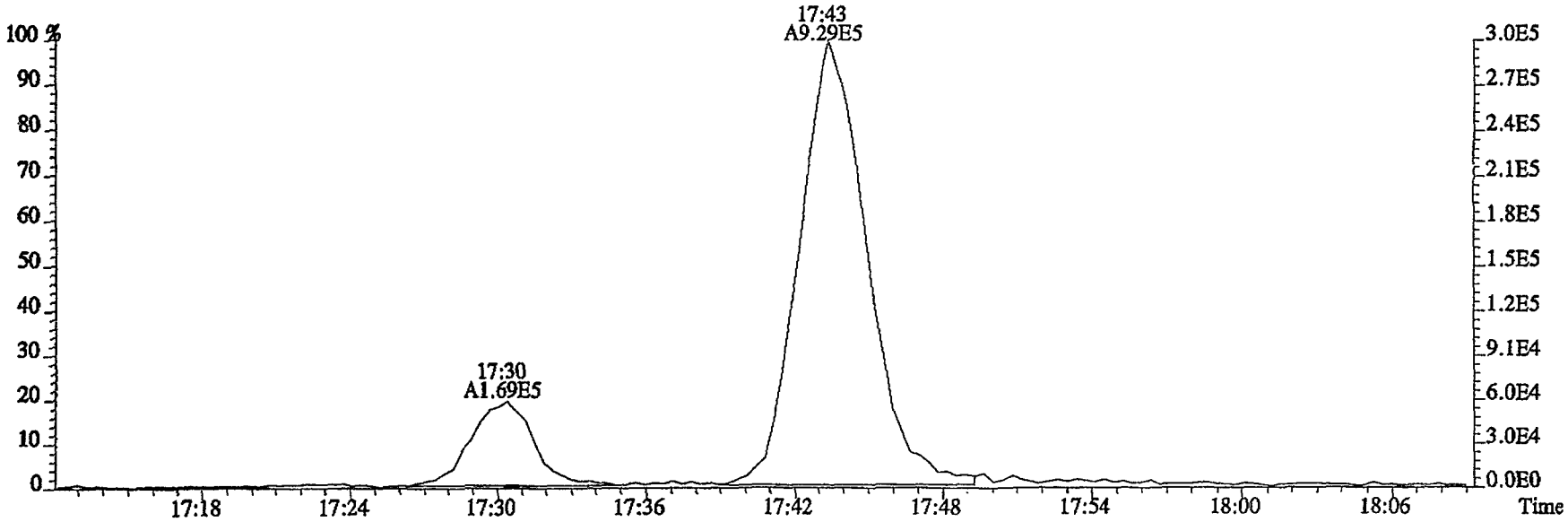
230.9856 S:6 F:2



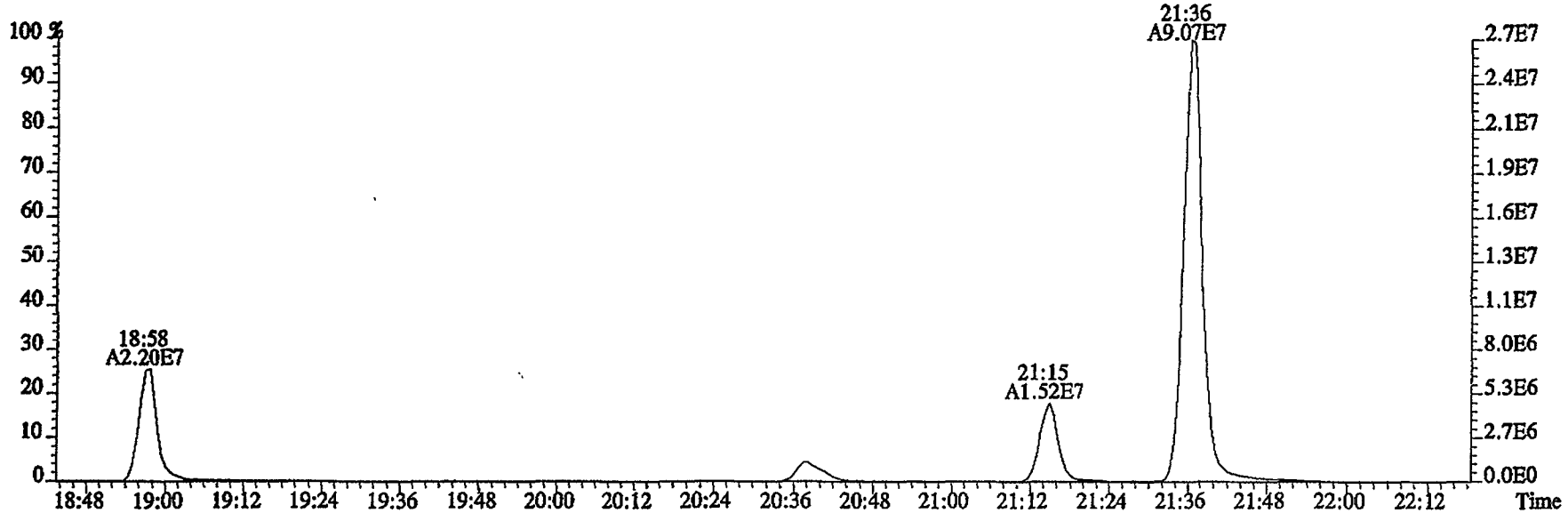
File:040519E1 #1-728 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
188.0393 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1736.0,0.00%,F,F)



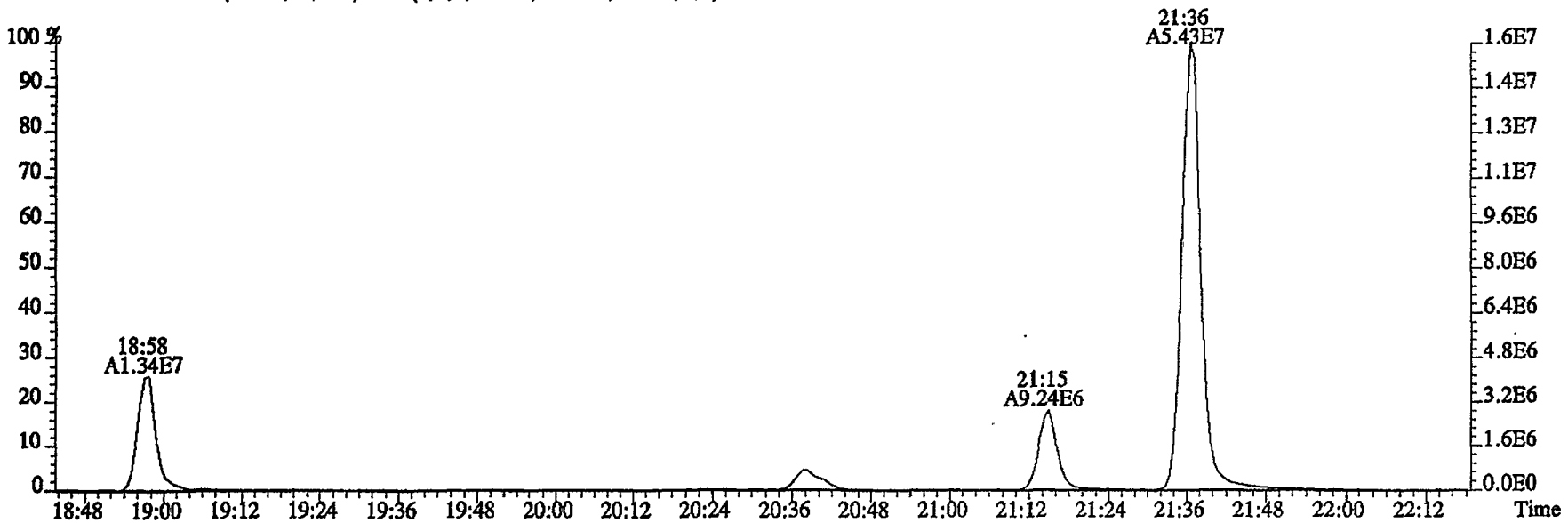
190.0363 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1108.0,0.00%,F,F)



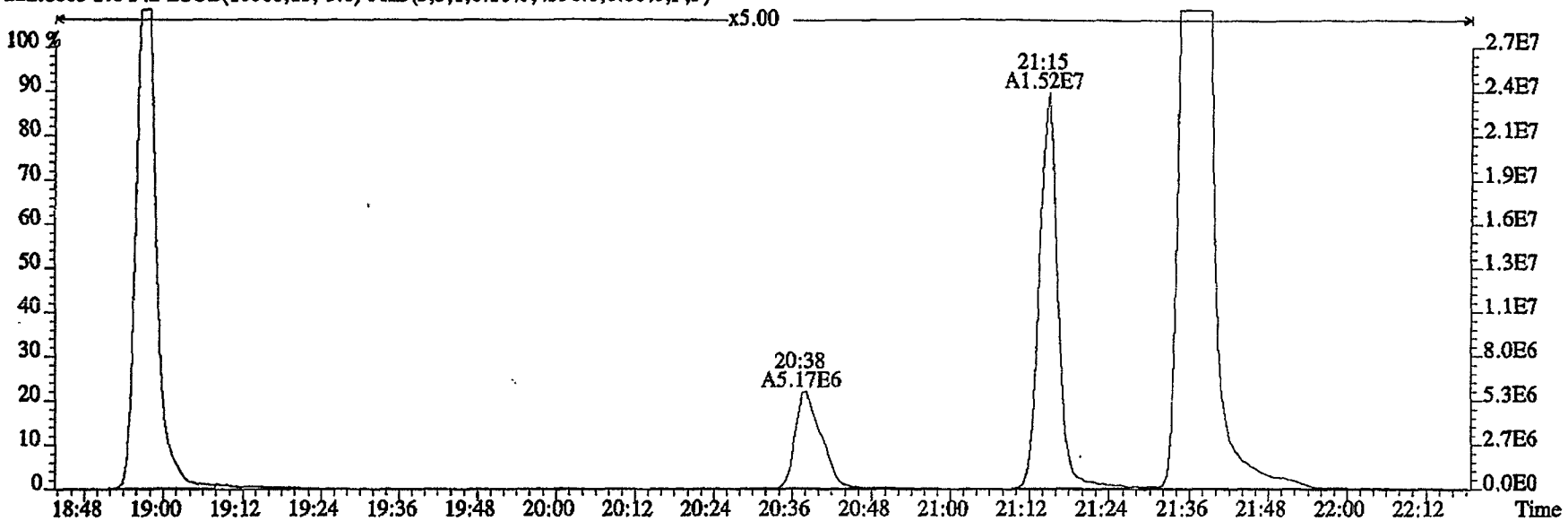
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4396.0,0.00%,F,F)



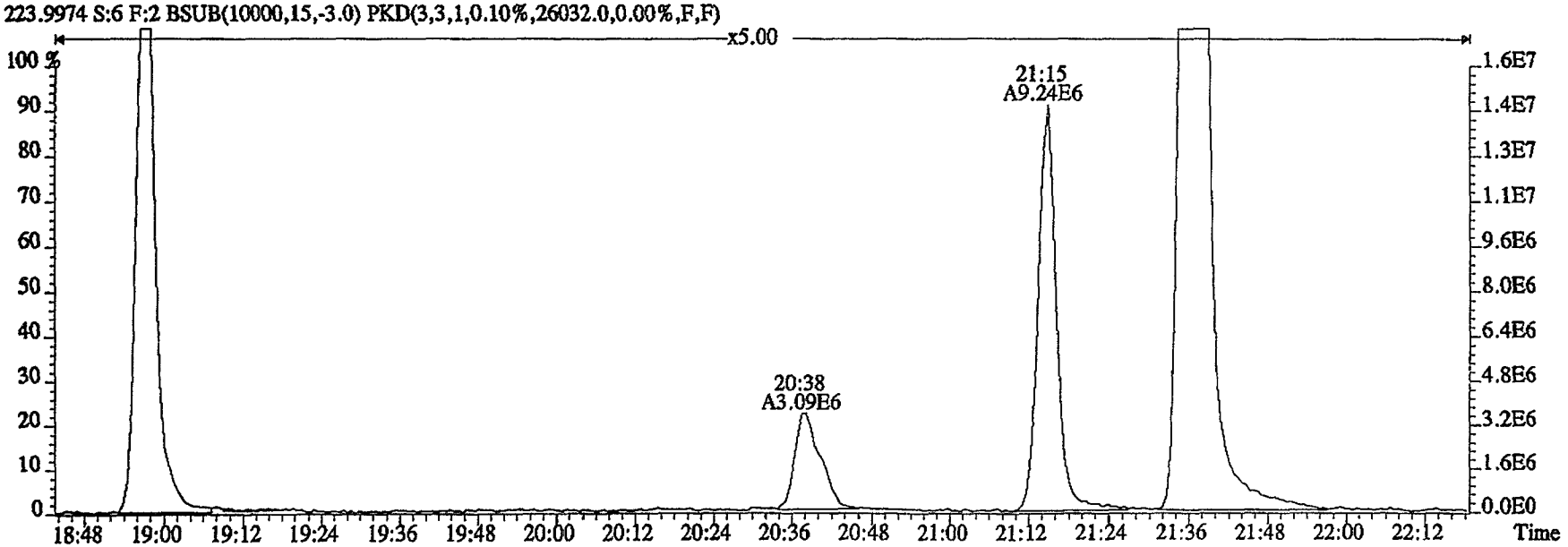
223.9974 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26032.0,0.00%,F,F)



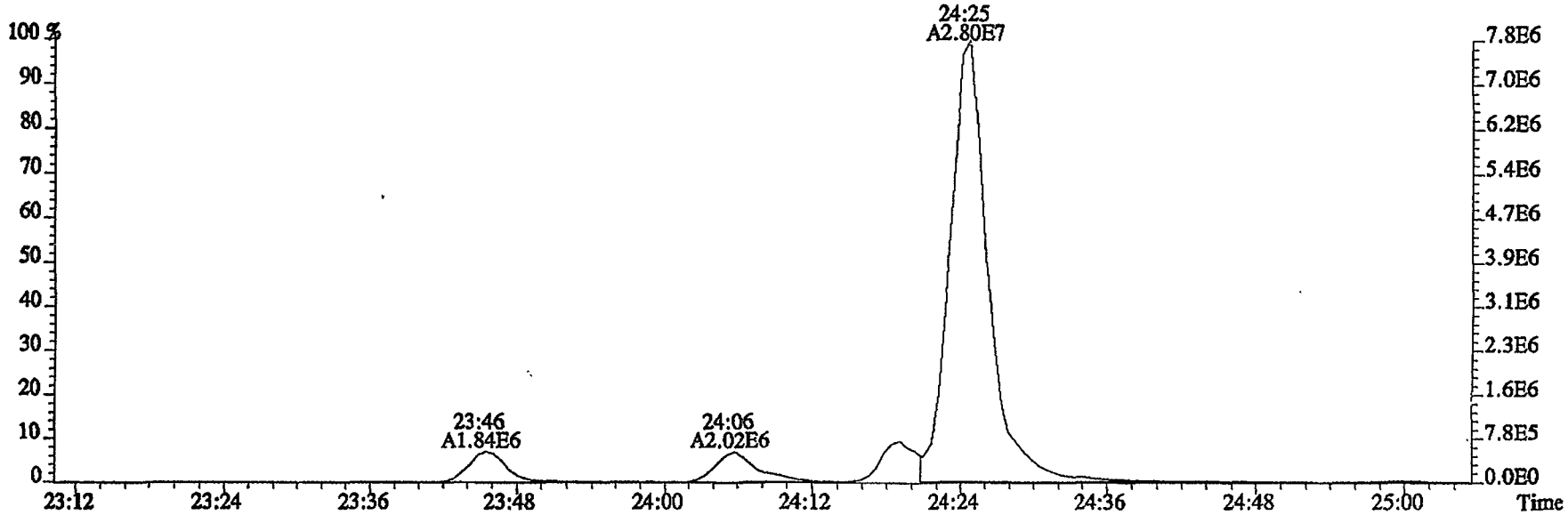
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4396.0,0.00%,F,F)



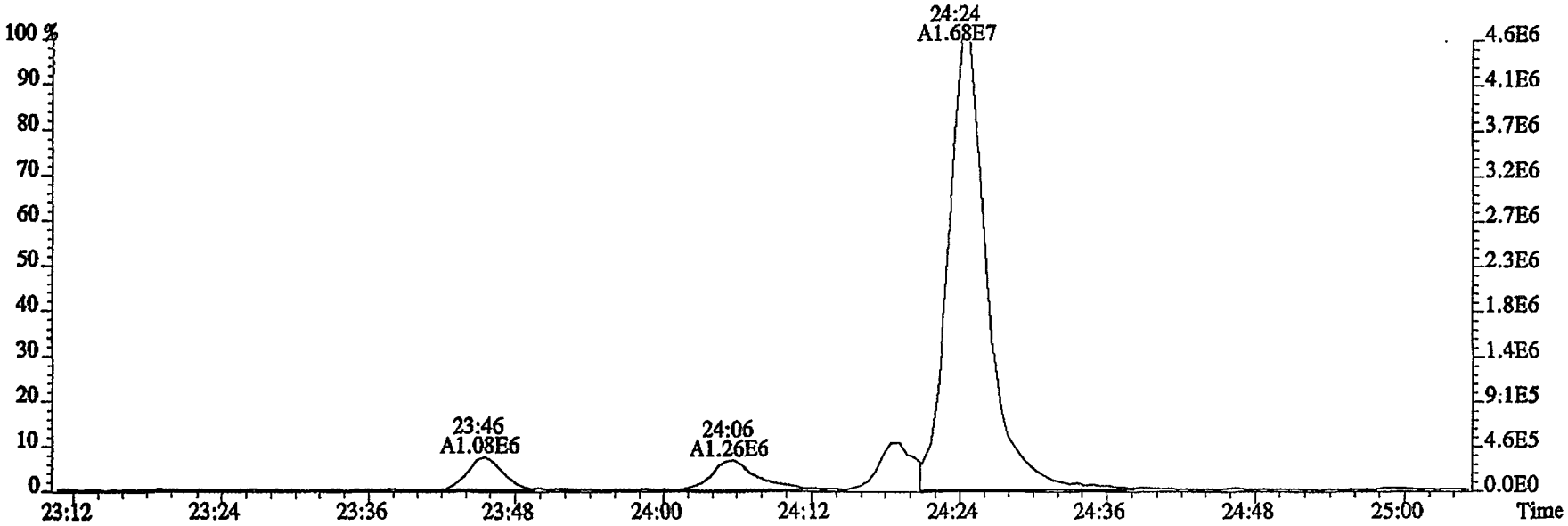
223.9974 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26032.0,0.00%,F,F)



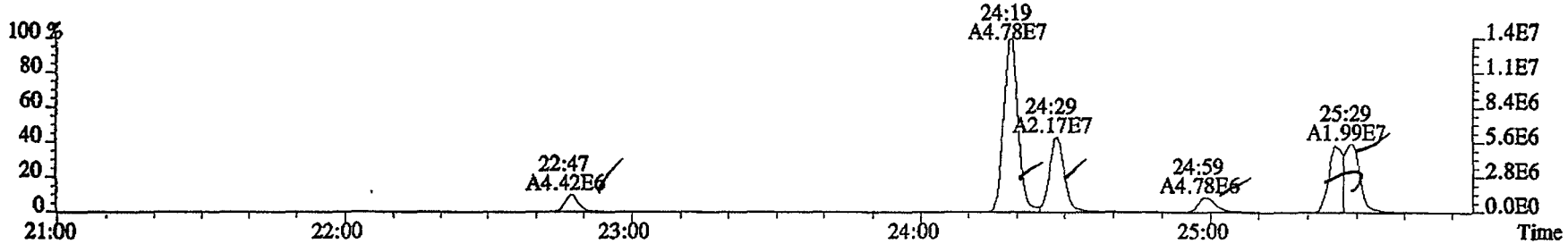
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4396.0,0.00%,F,F)



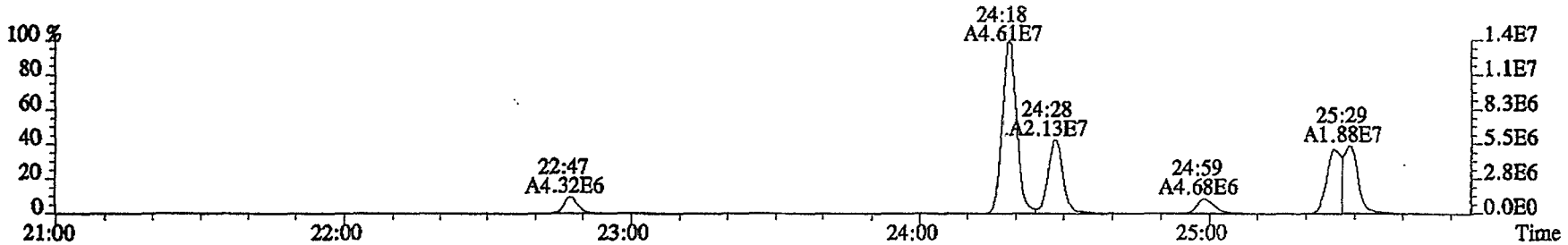
223.9974 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26032.0,0.00%,F,F)



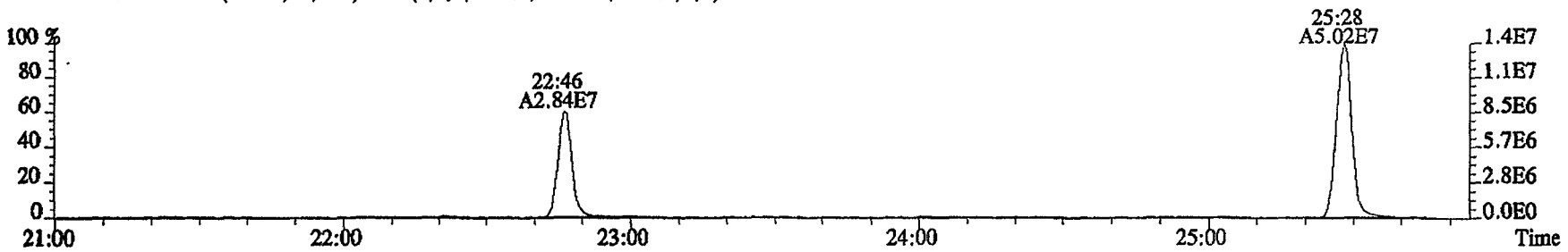
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2044.0,0.00%,F,F)



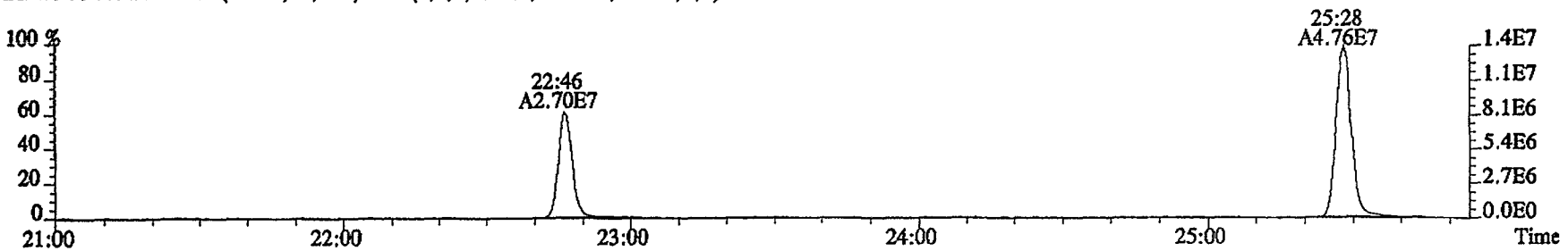
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



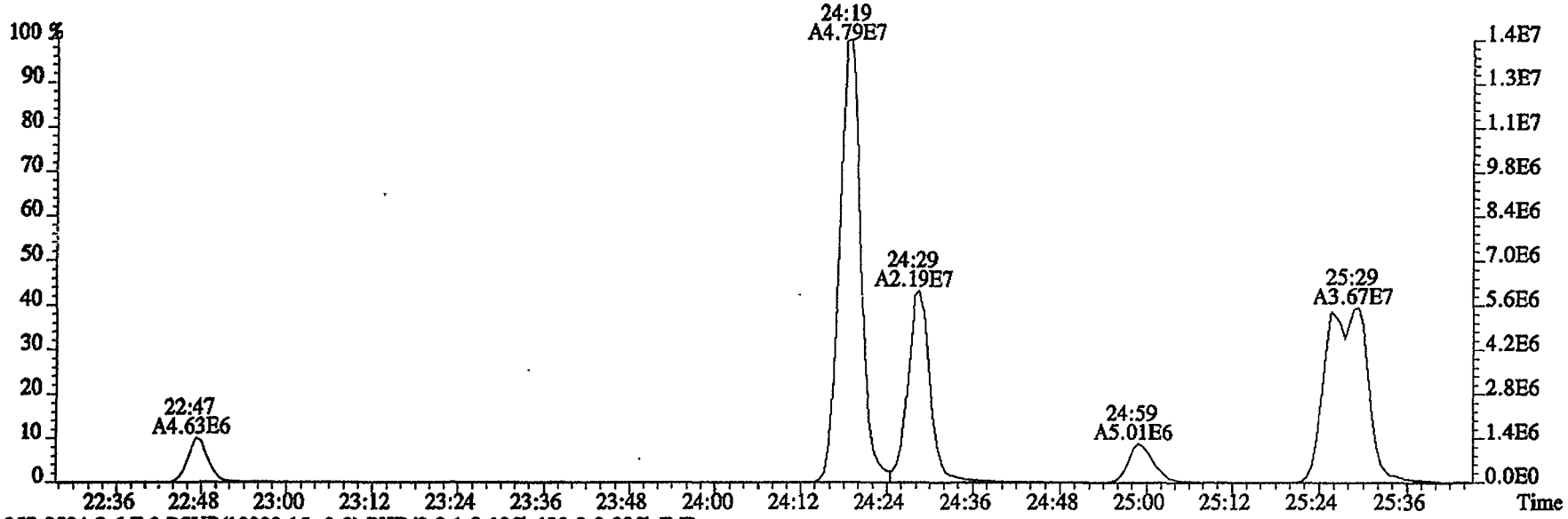
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,38336.0,0.00%,F,F)



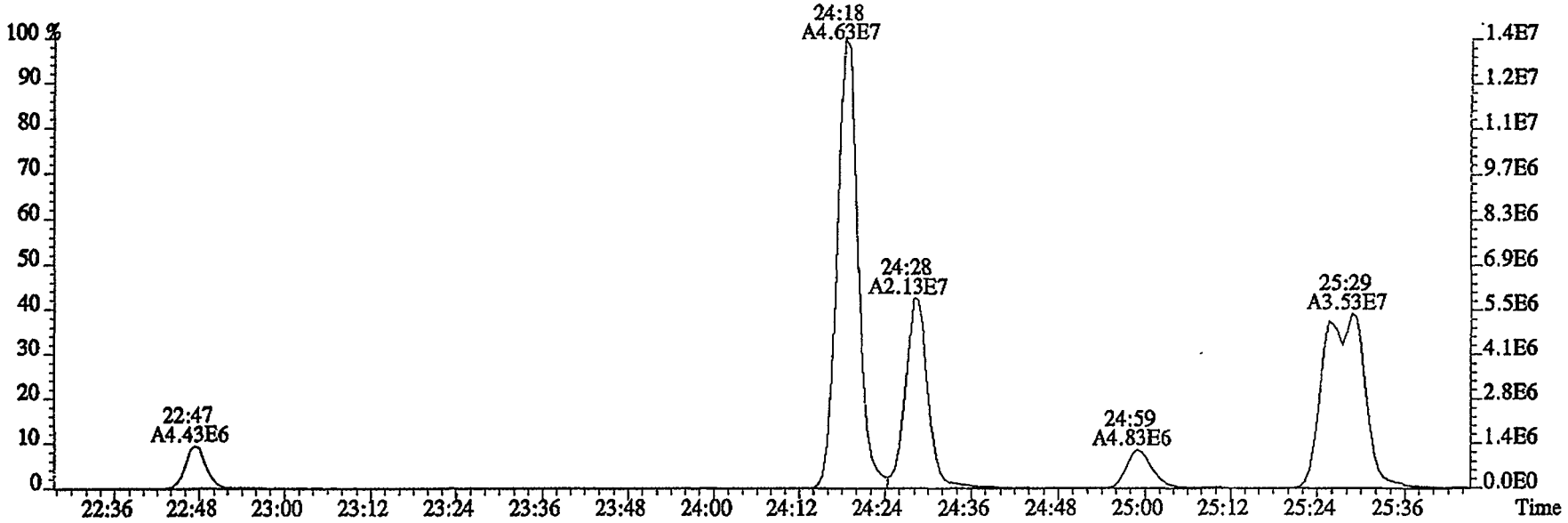
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20916.0,0.00%,F,F)



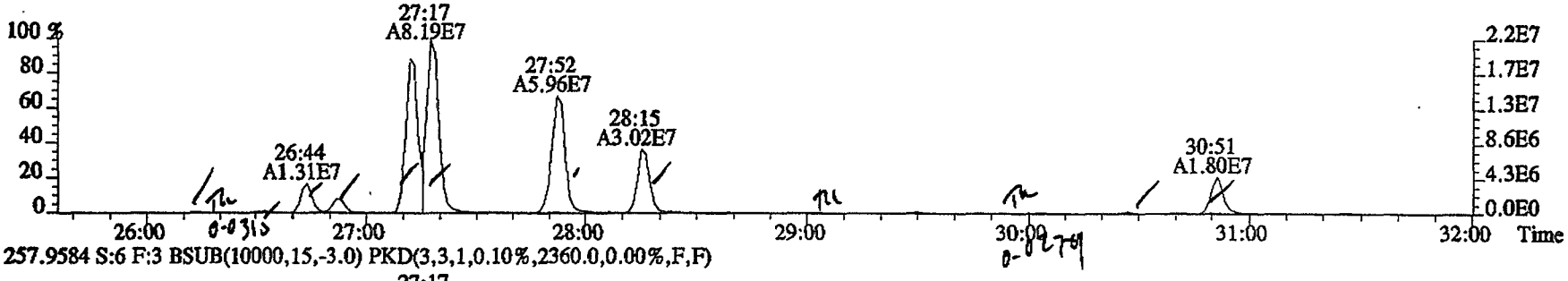
File:040519E1 #1-686 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2044.0,0.00%,F,F)



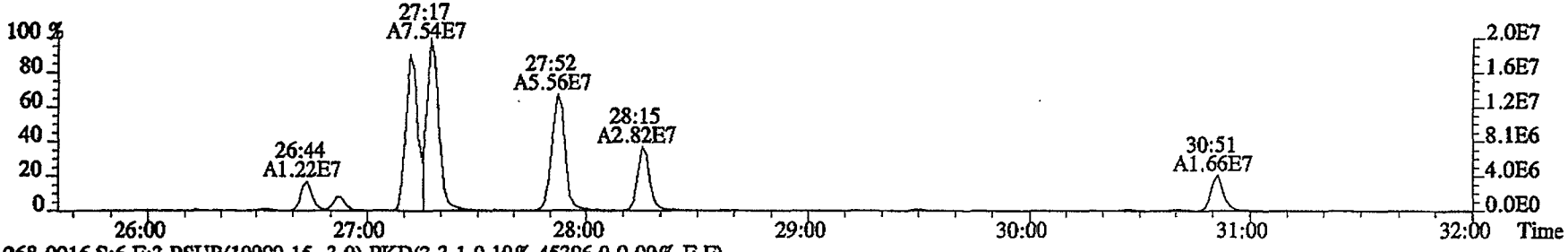
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



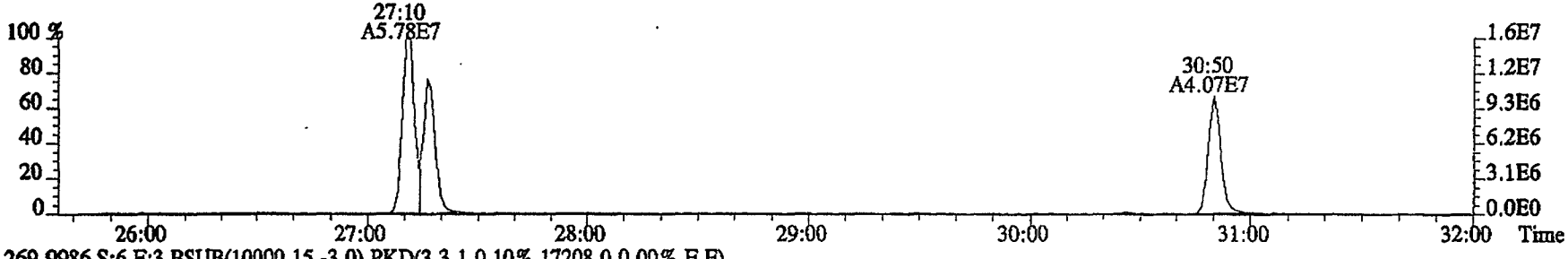
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



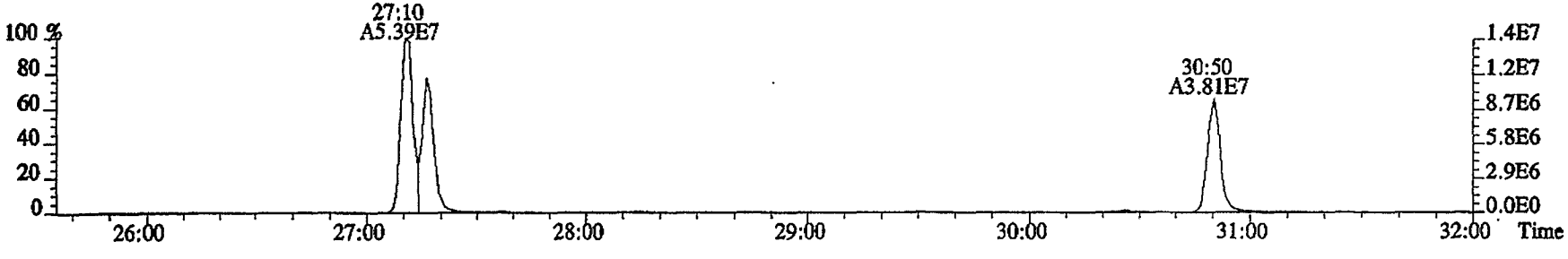
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



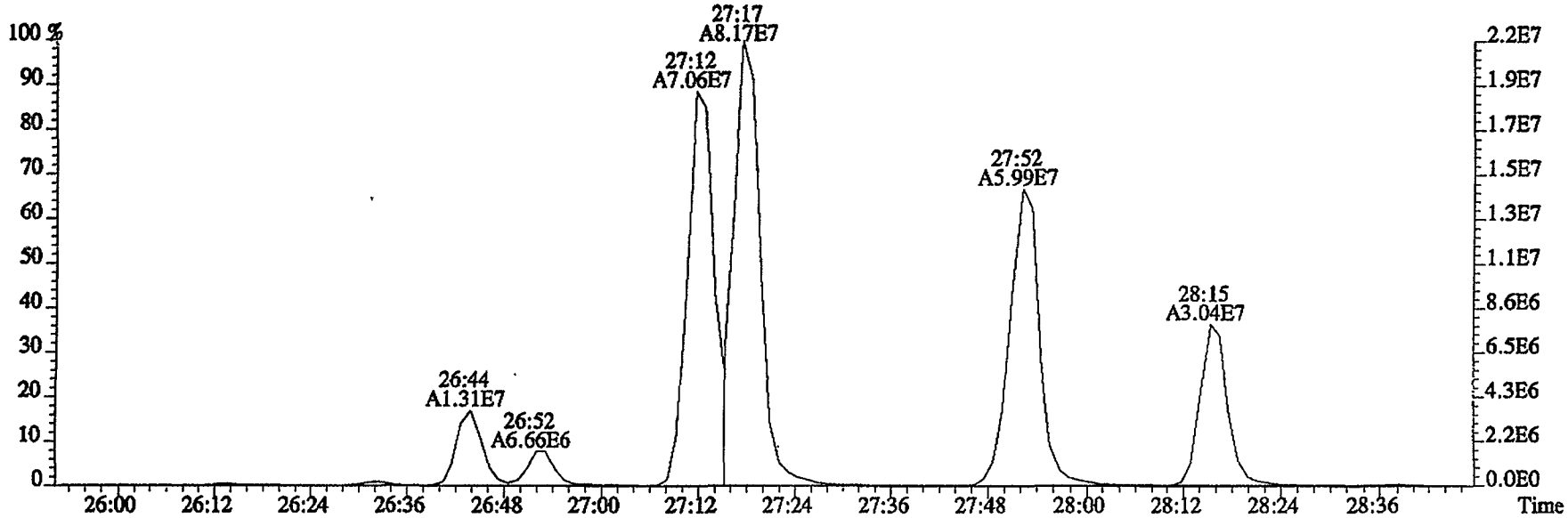
268.0016 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,45396.0,0.00%,F,F)



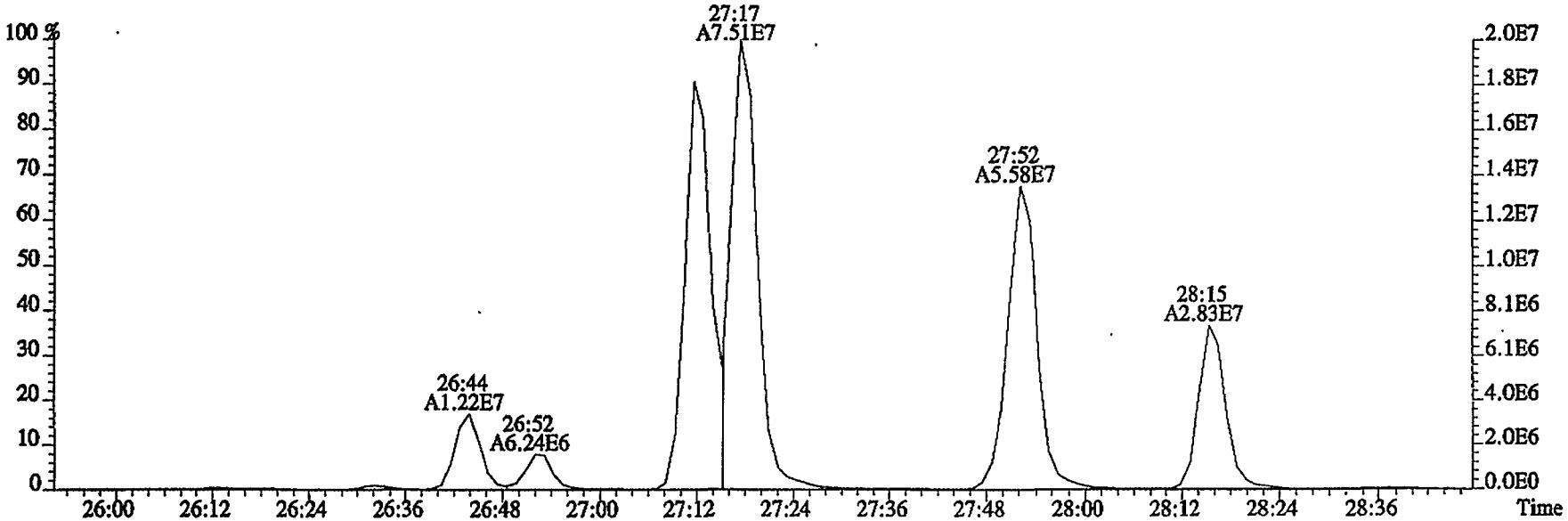
269.9986 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17208.0,0.00%,F,F)



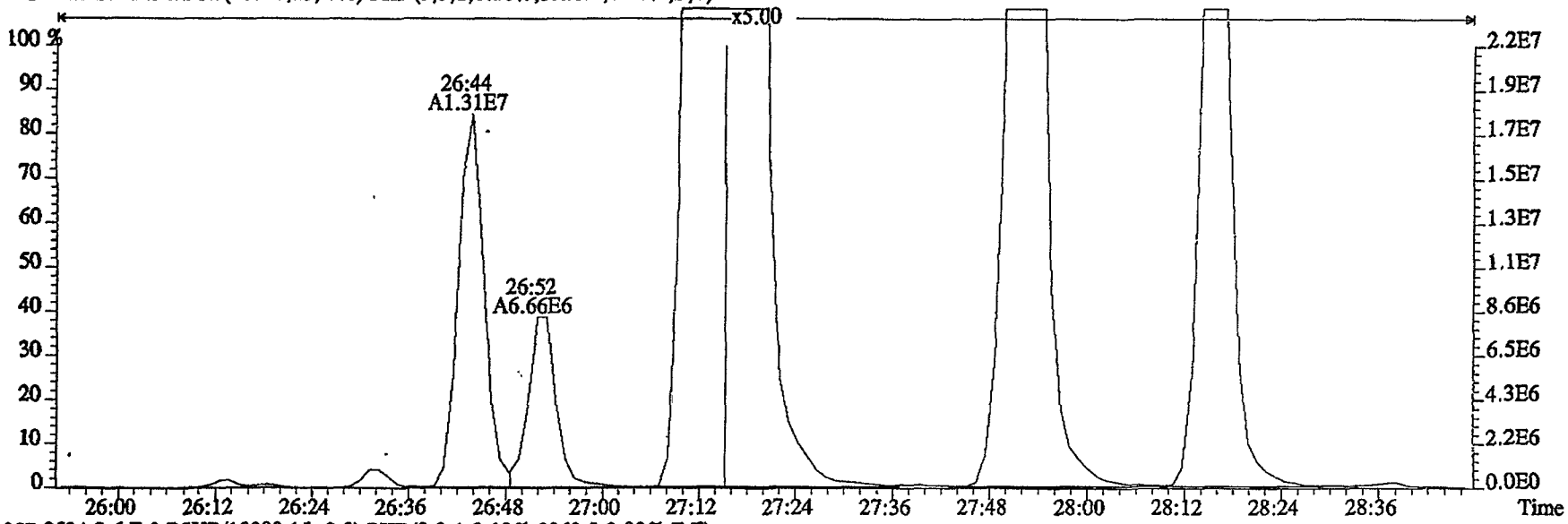
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



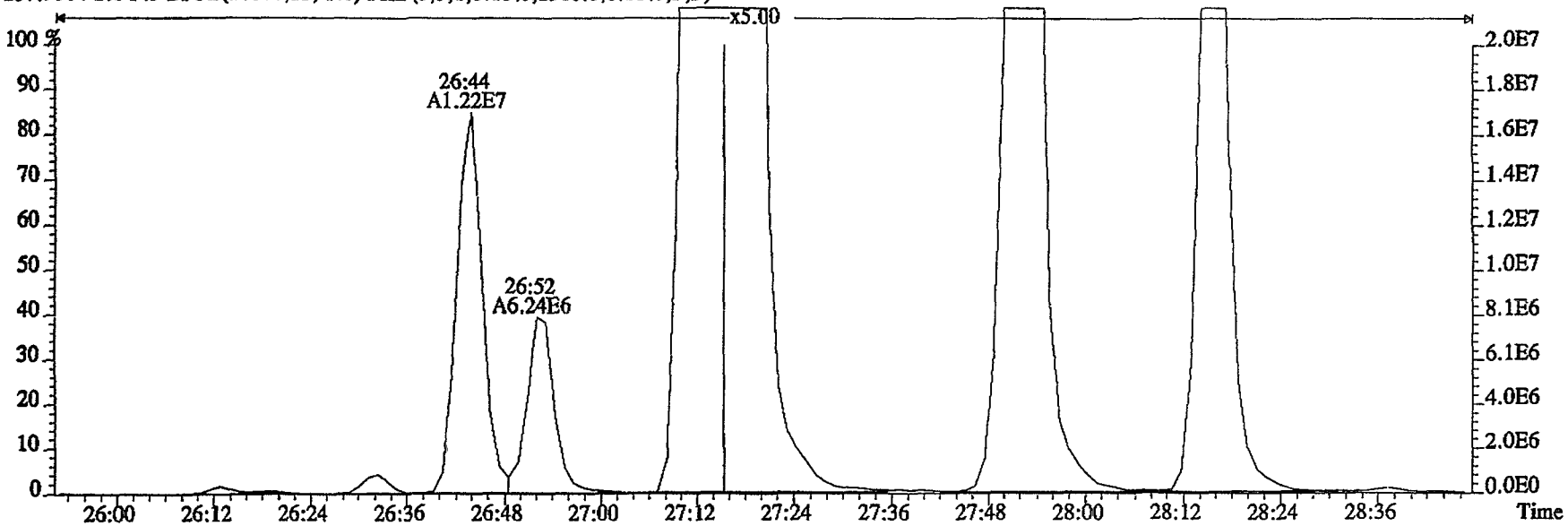
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



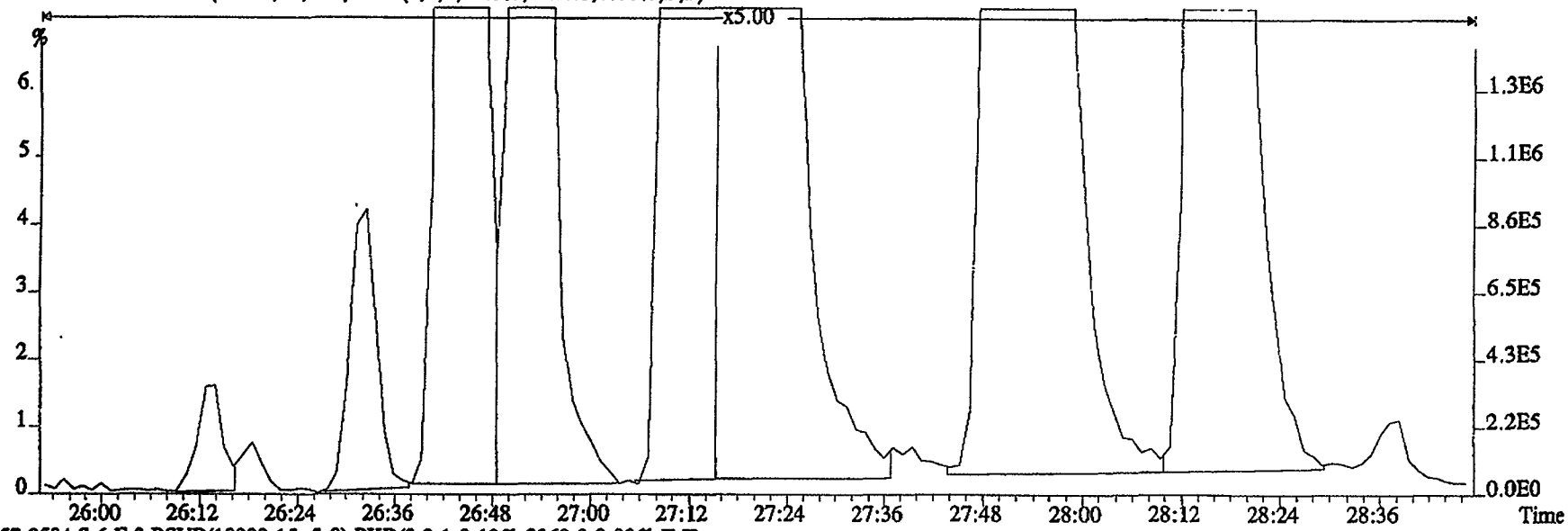
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



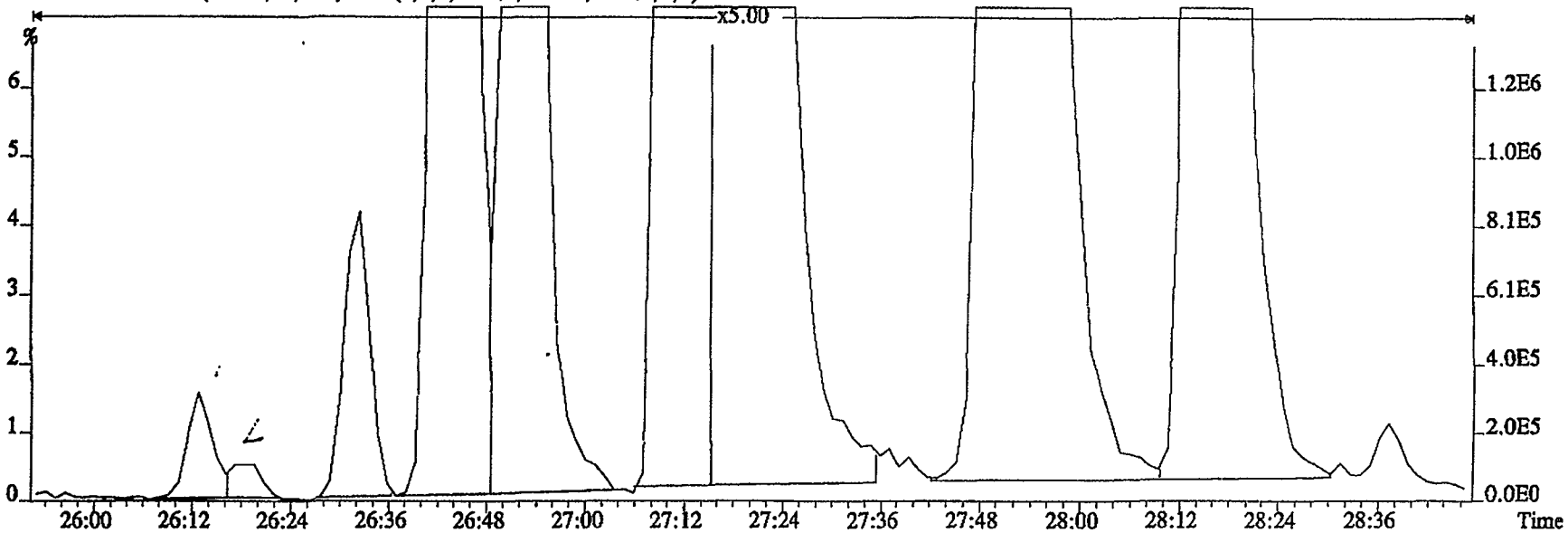
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



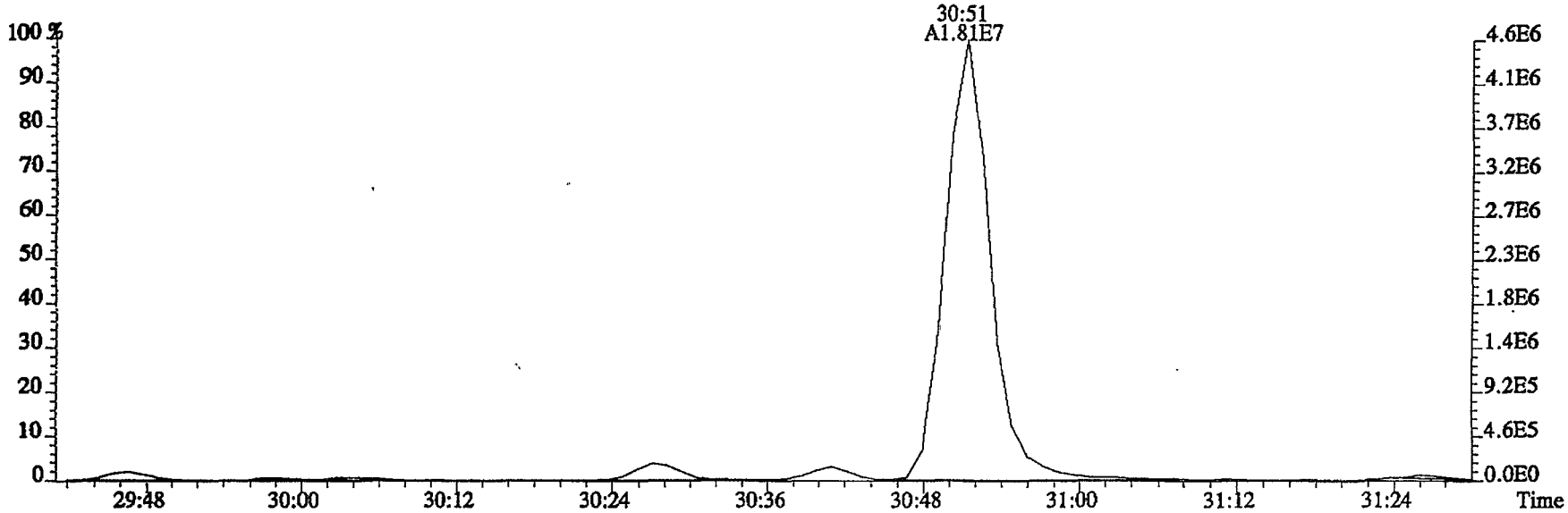
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



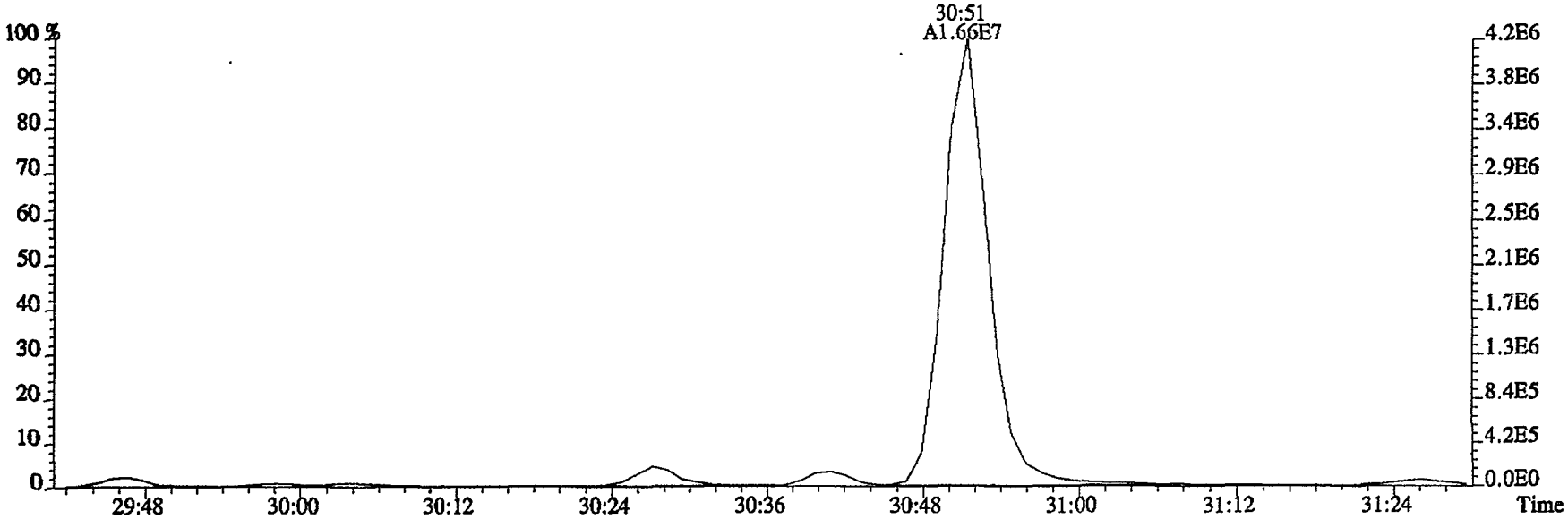
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



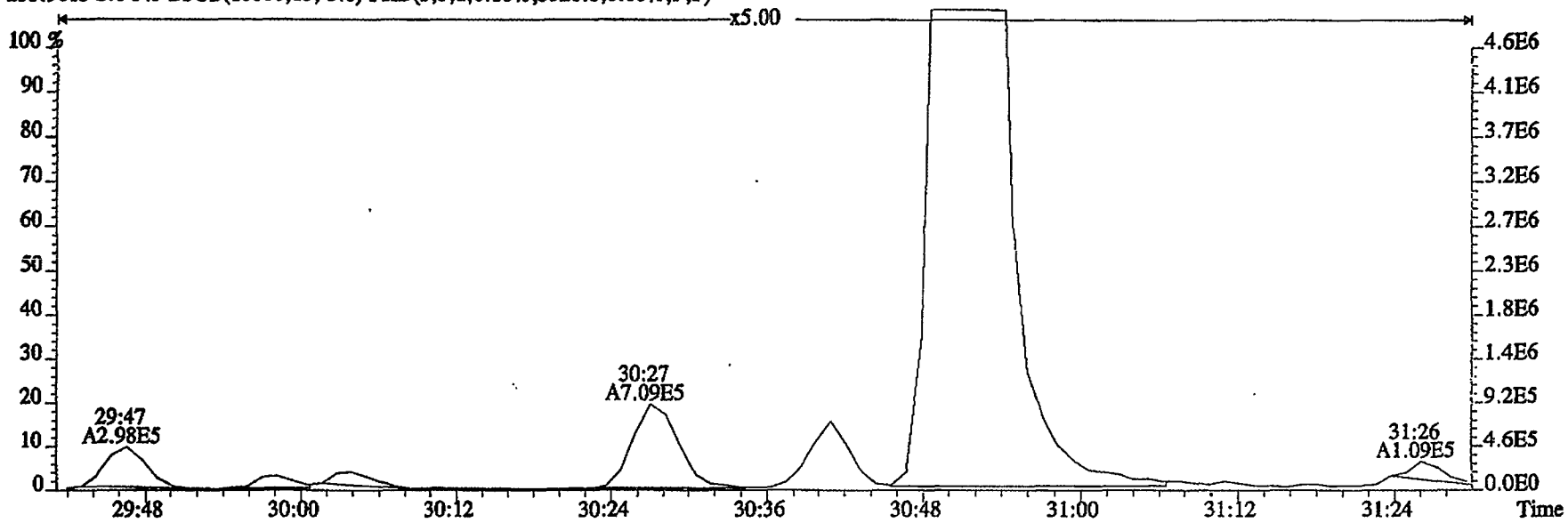
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



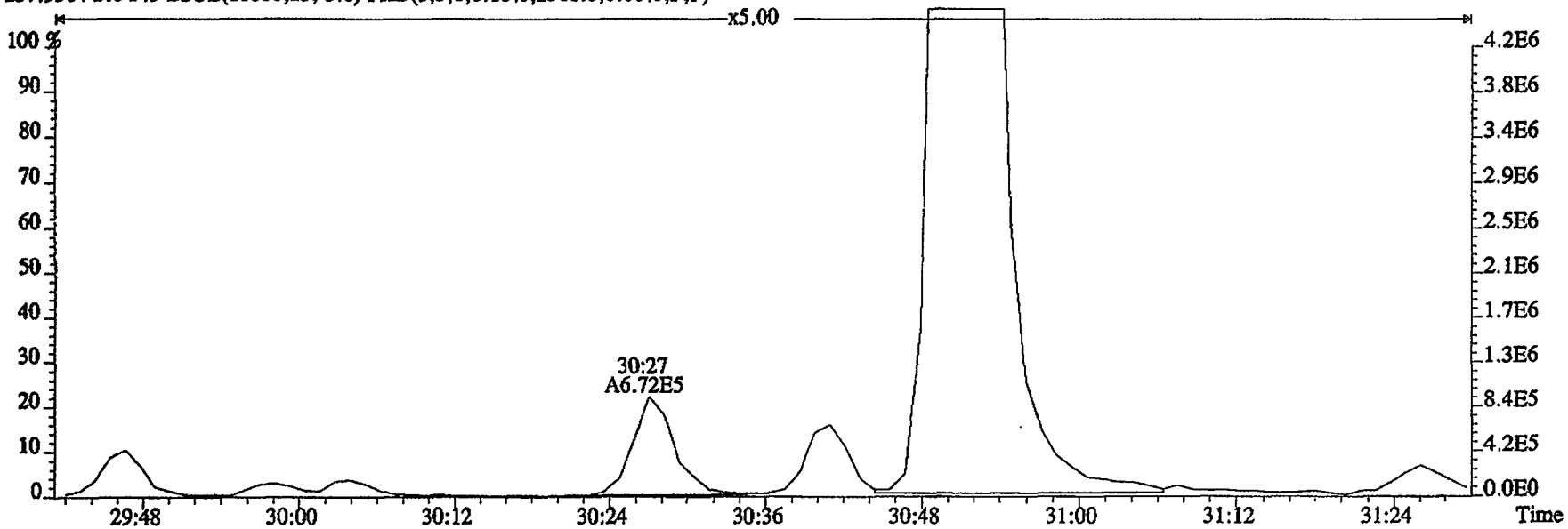
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



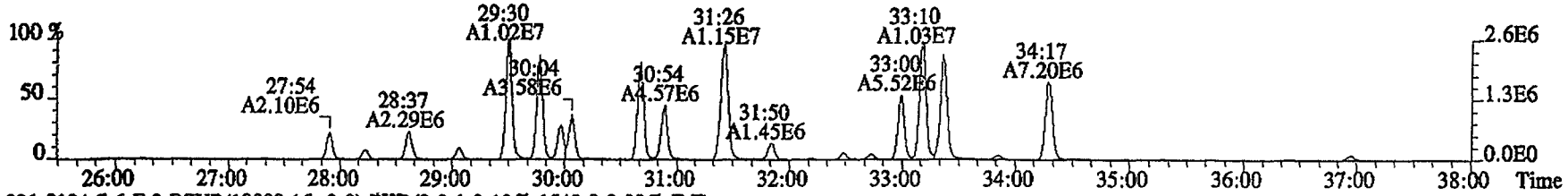
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
255.9613 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



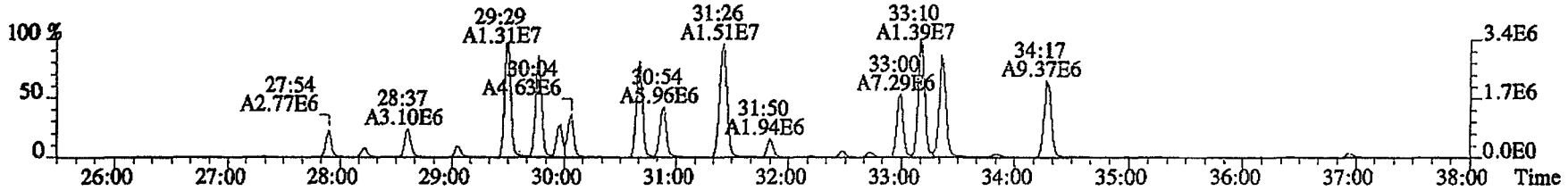
257.9584 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2360.0,0.00%,F,F)



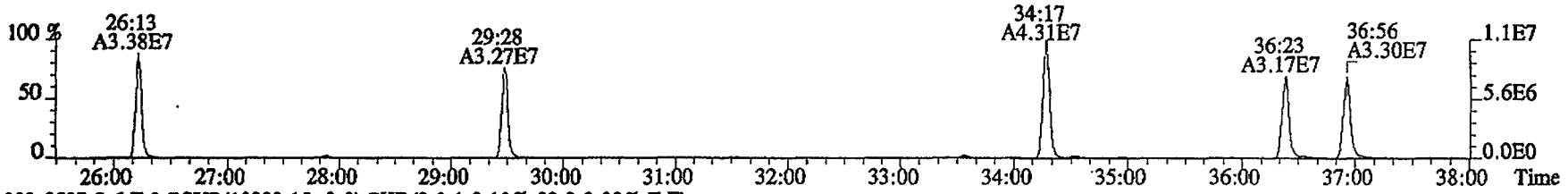
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



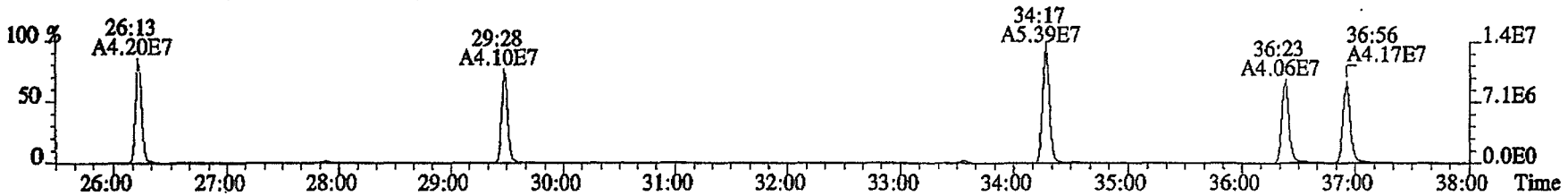
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



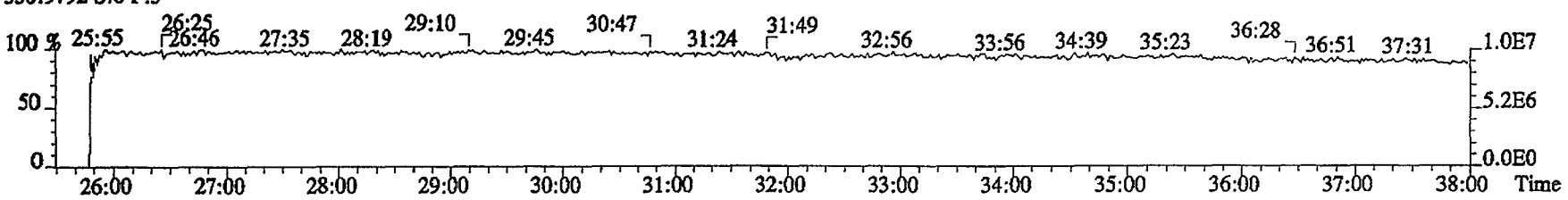
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4084.0,0.00%,F,F)



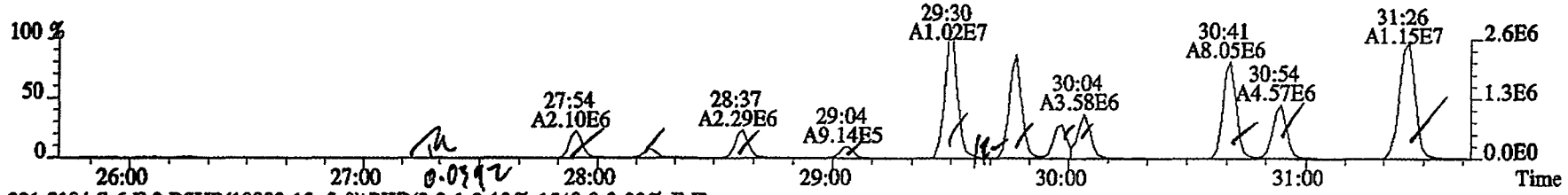
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



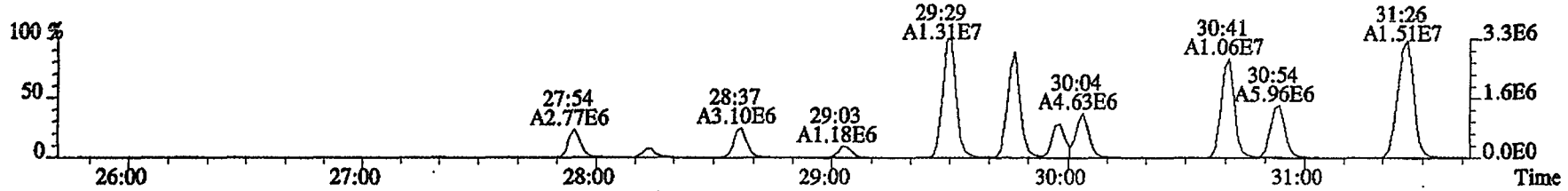
330.9792 S:6 F:3



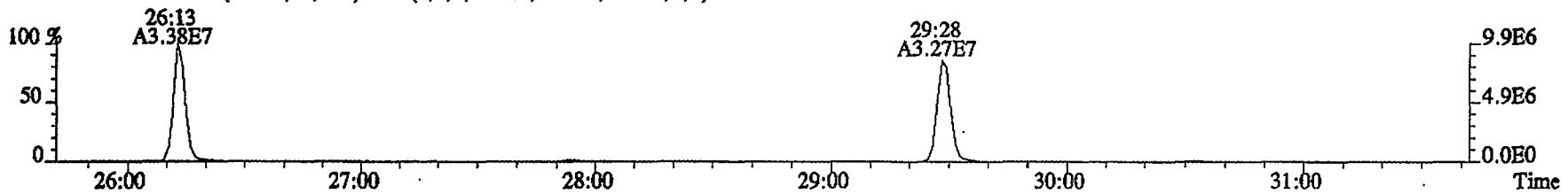
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



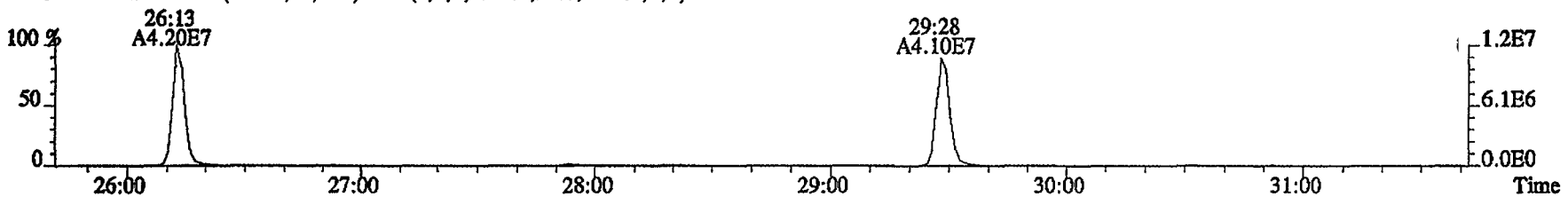
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



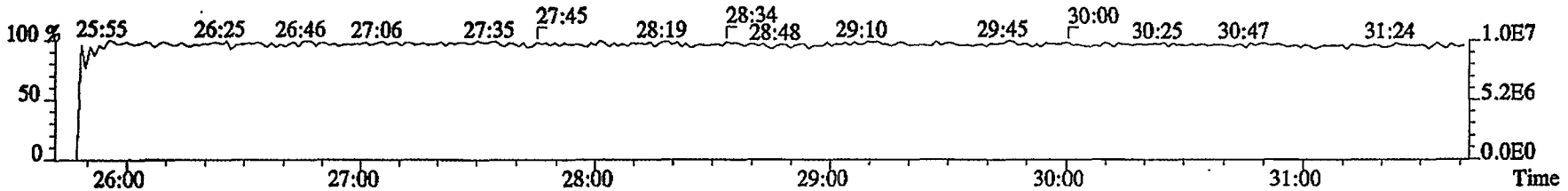
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4084.0,0.00%,F,F)



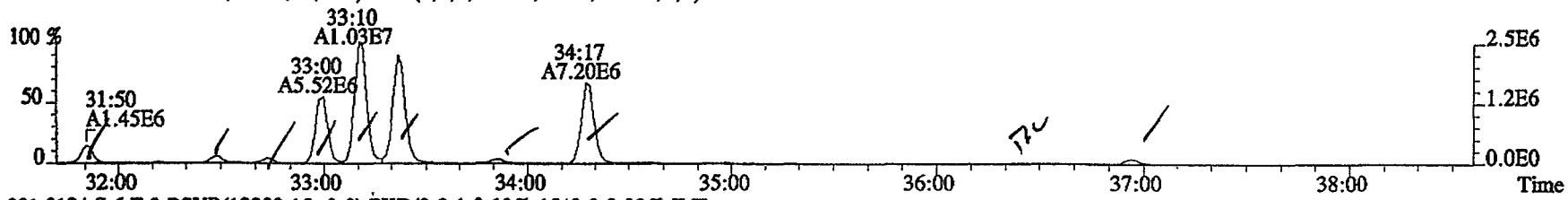
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



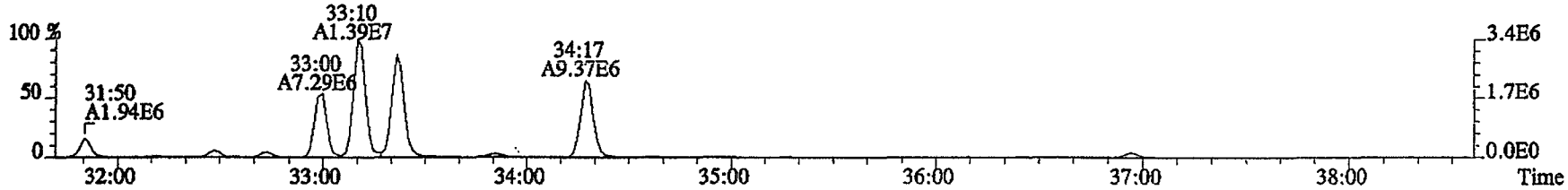
330.9792 S:6 F:3



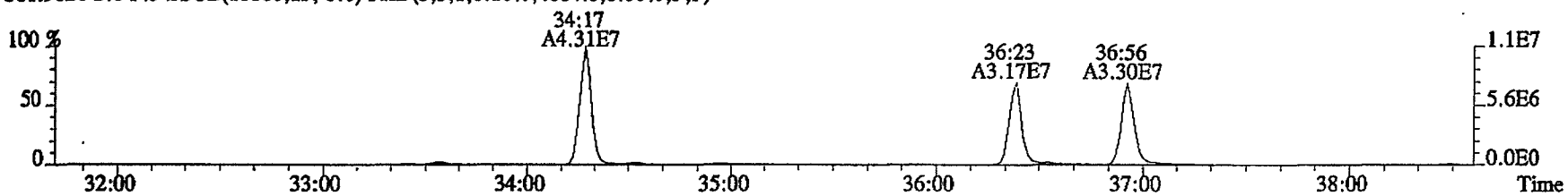
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



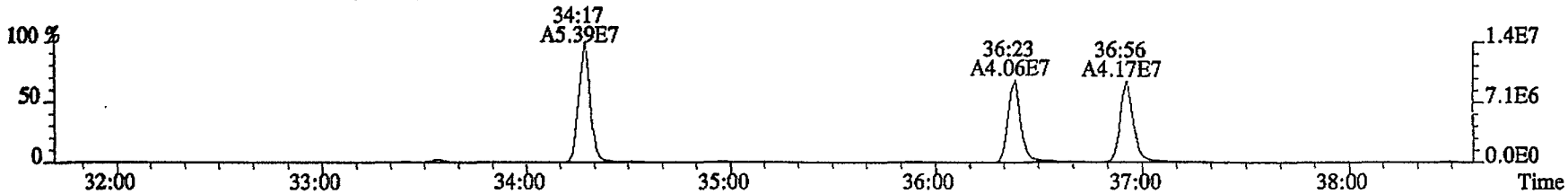
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



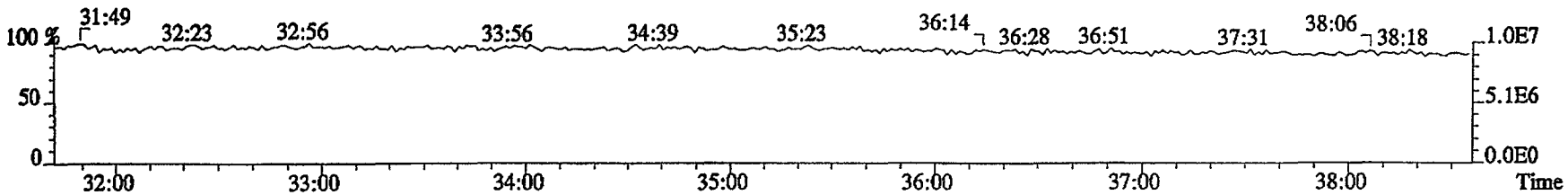
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4084.0,0.00%,F,F)



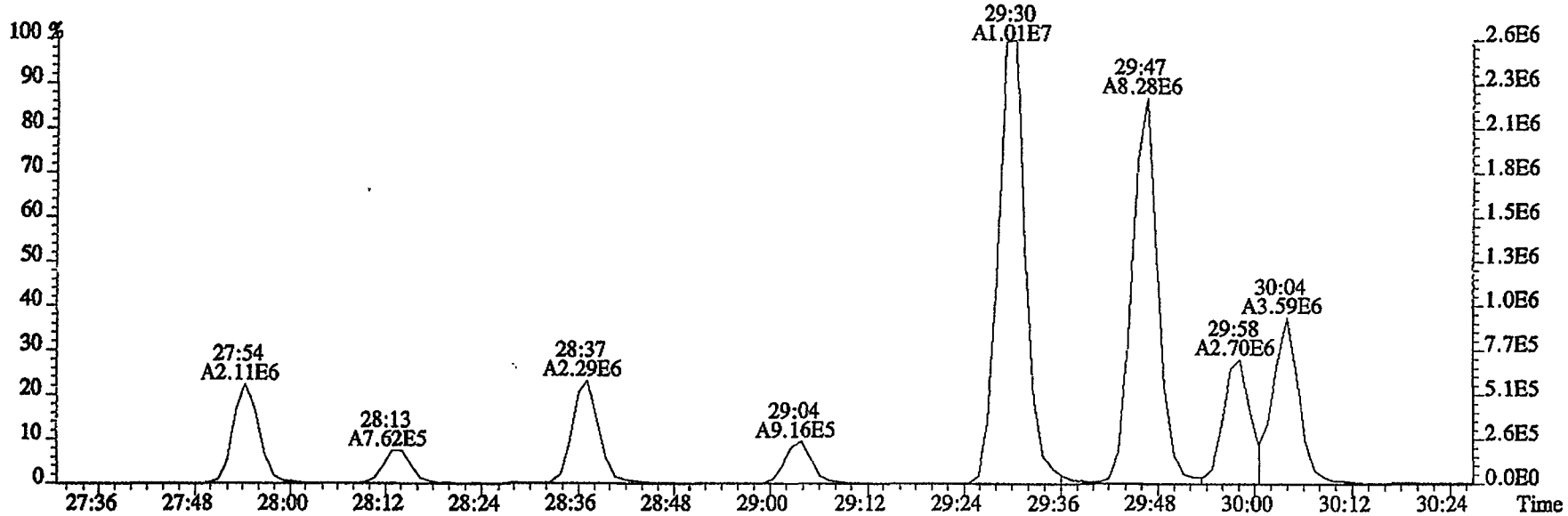
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



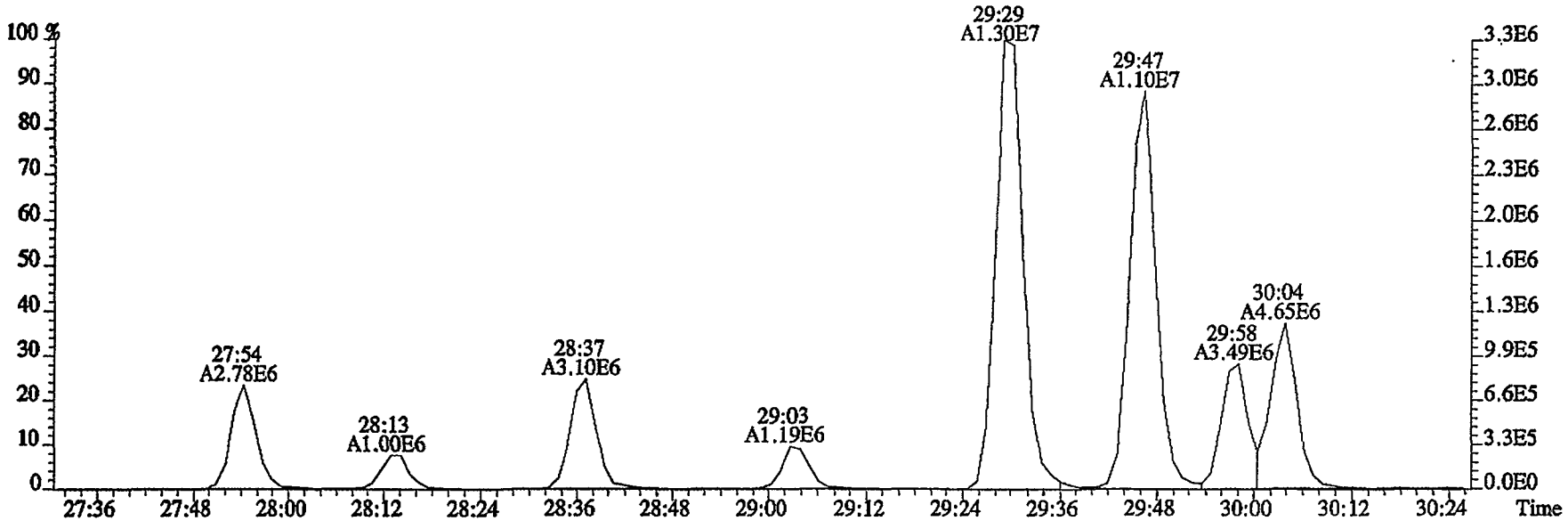
330.9792 S:6 F:3



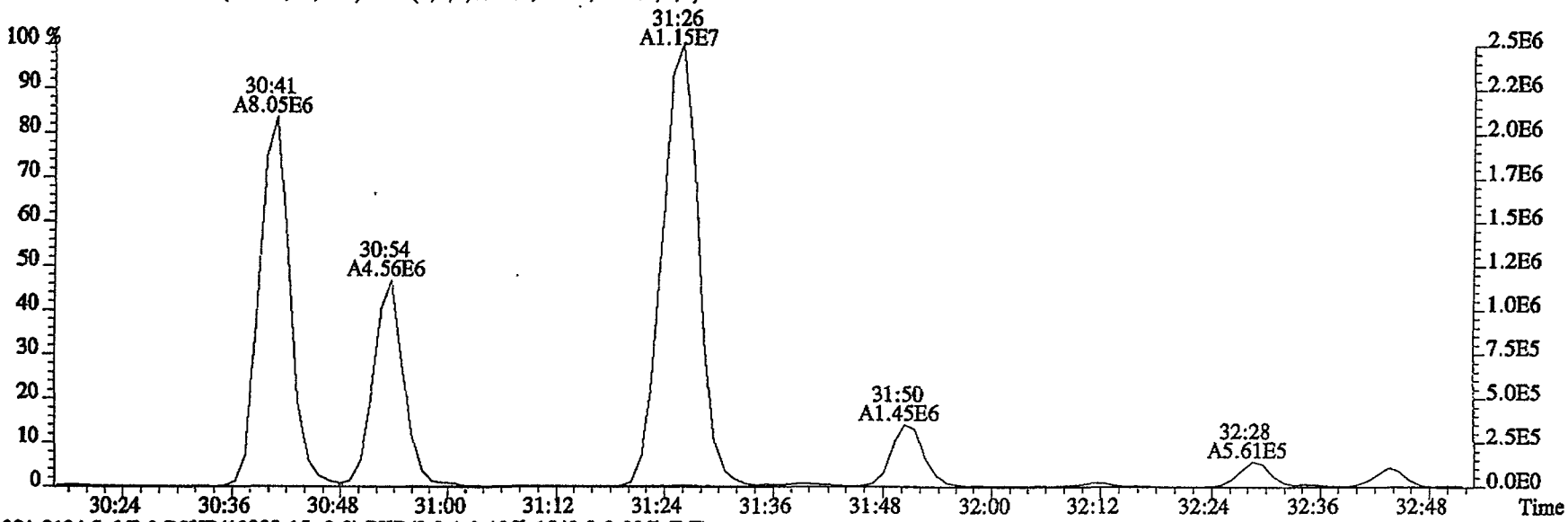
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



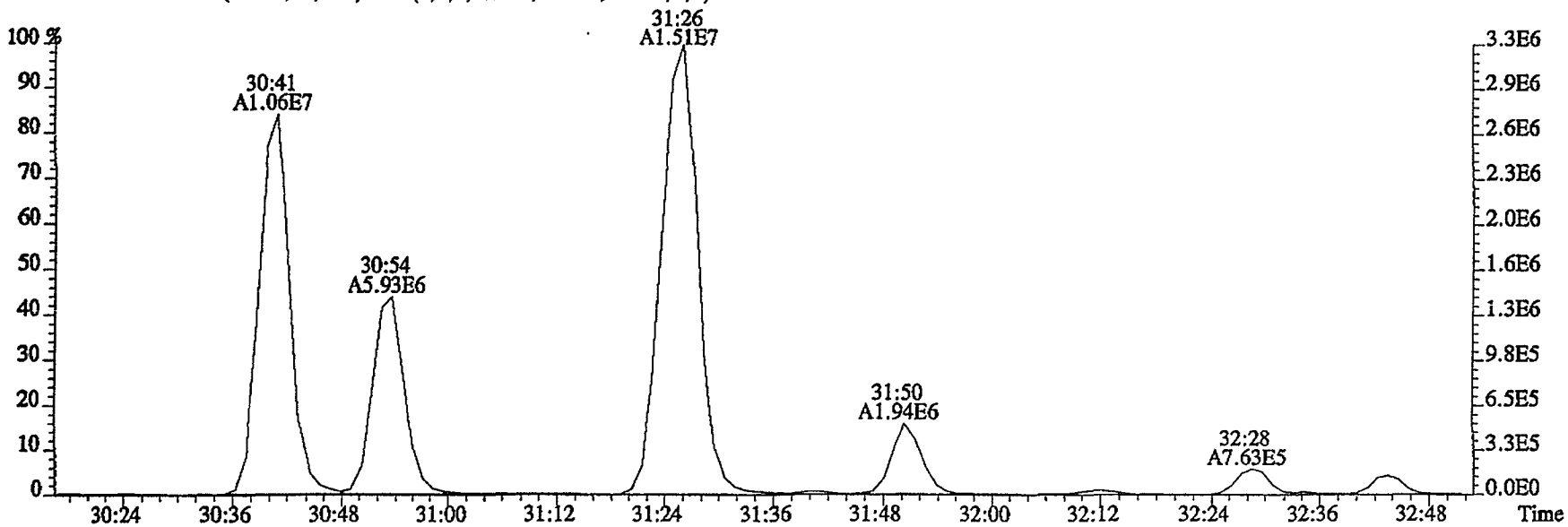
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



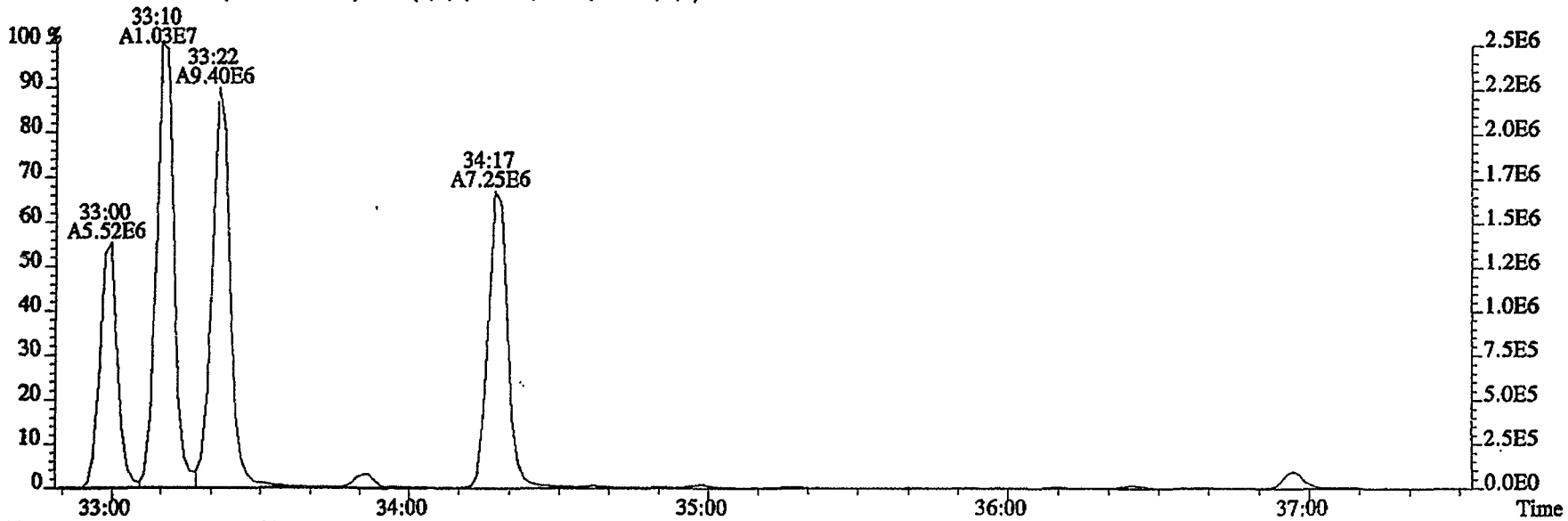
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



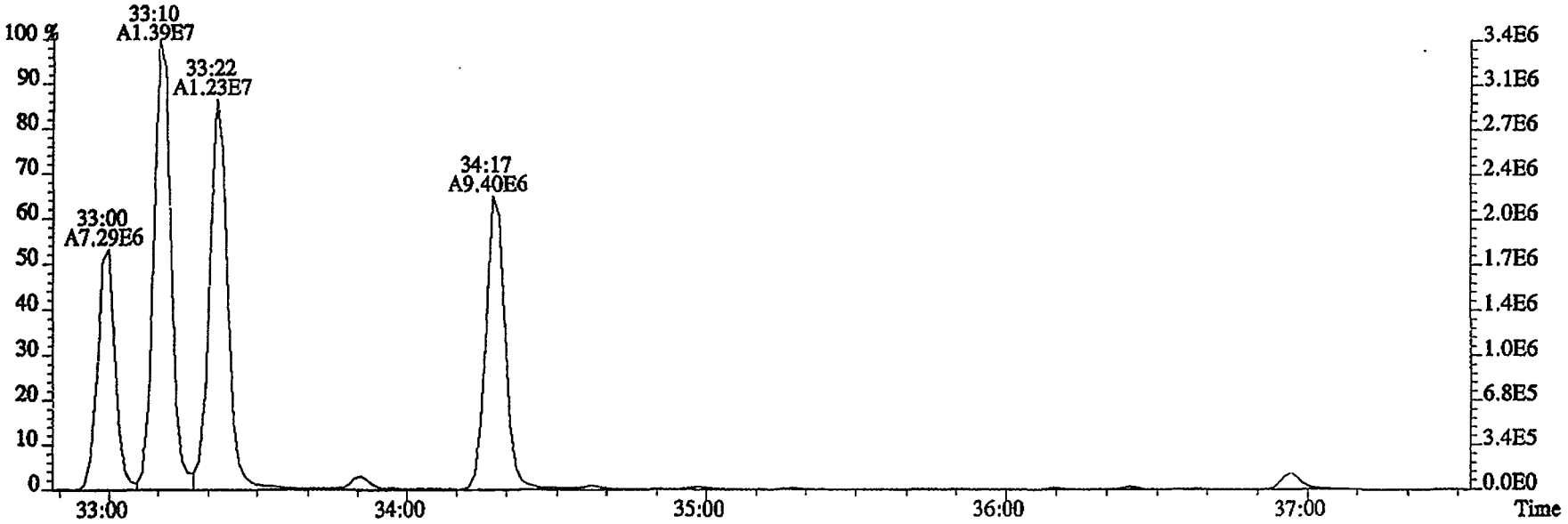
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



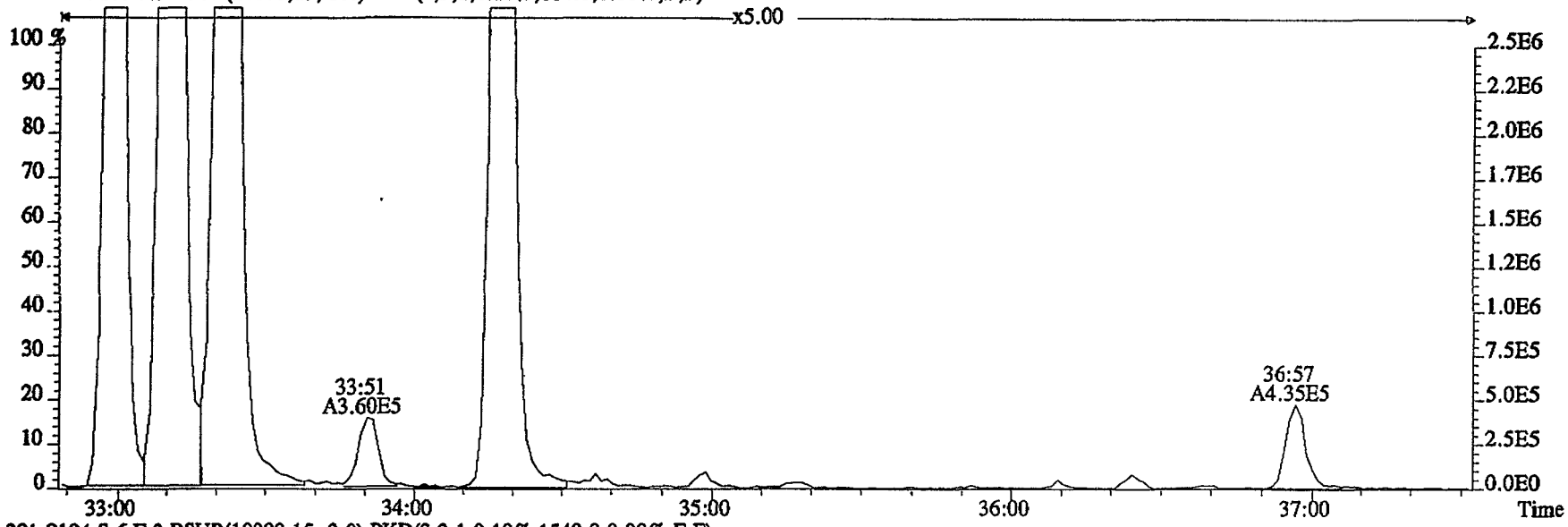
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



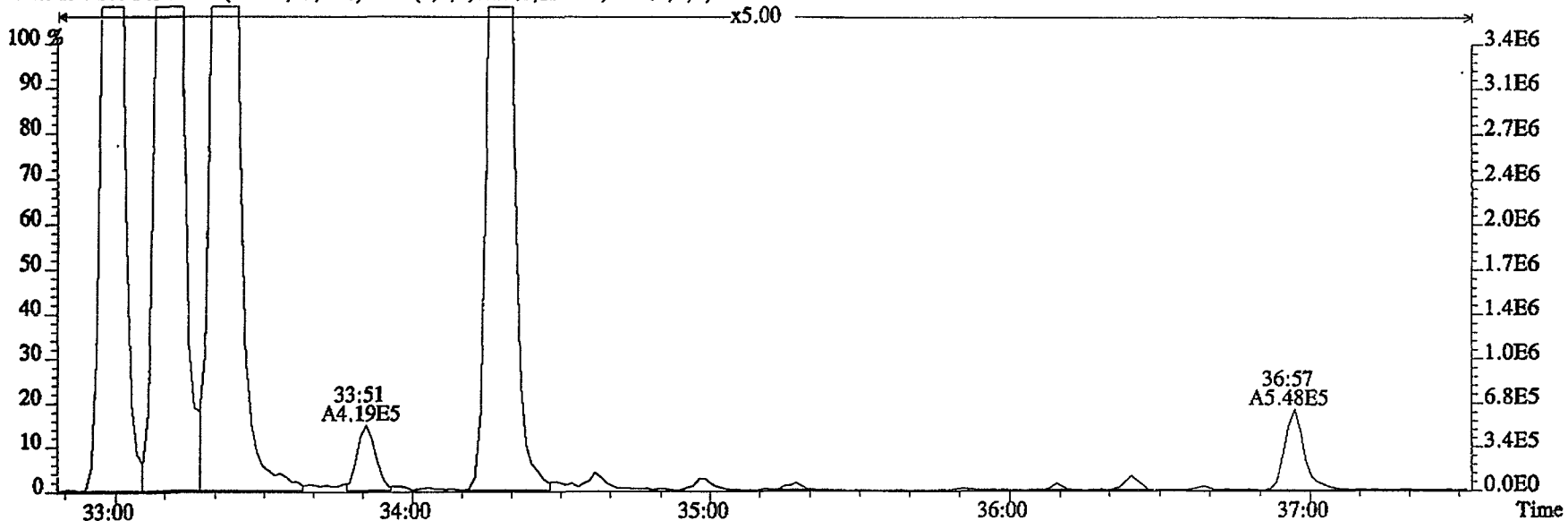
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



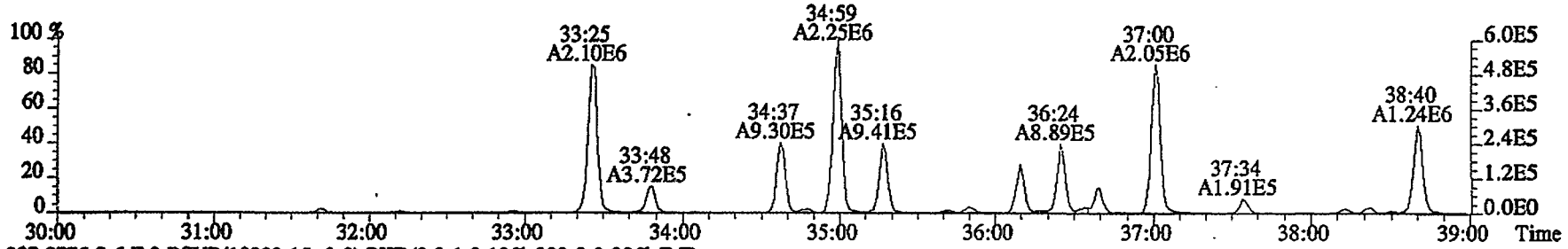
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



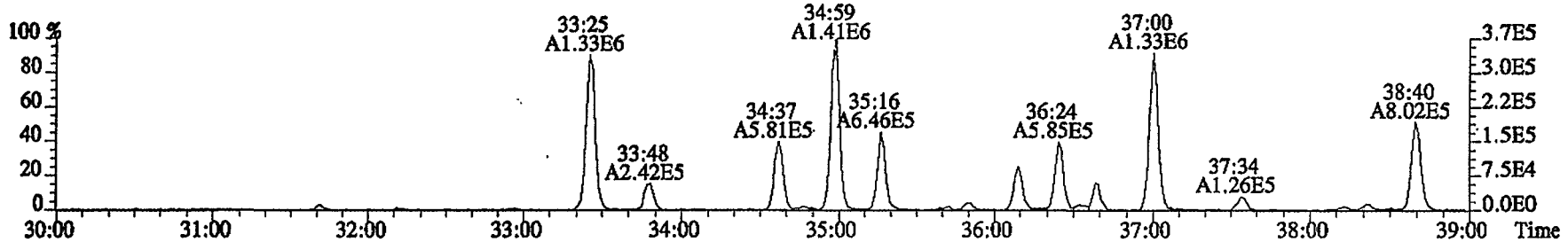
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1540.0,0.00%,F,F)



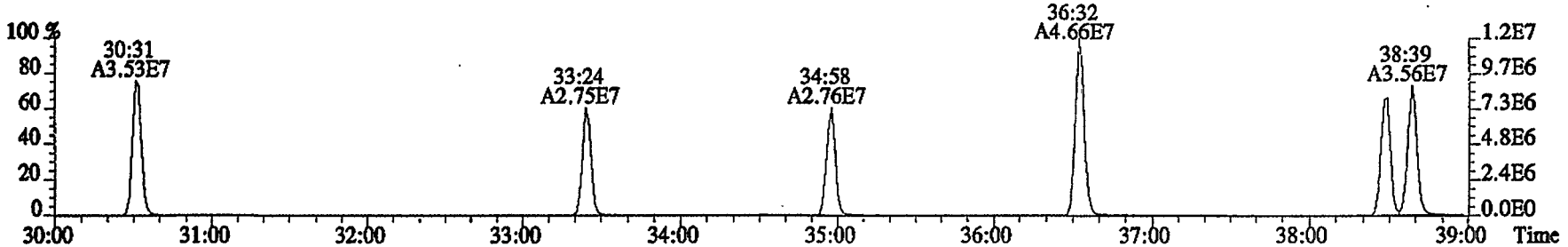
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



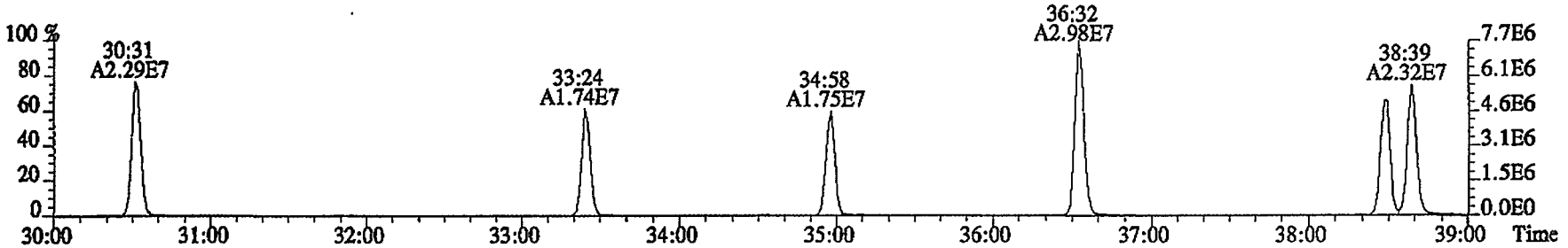
327.8775 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



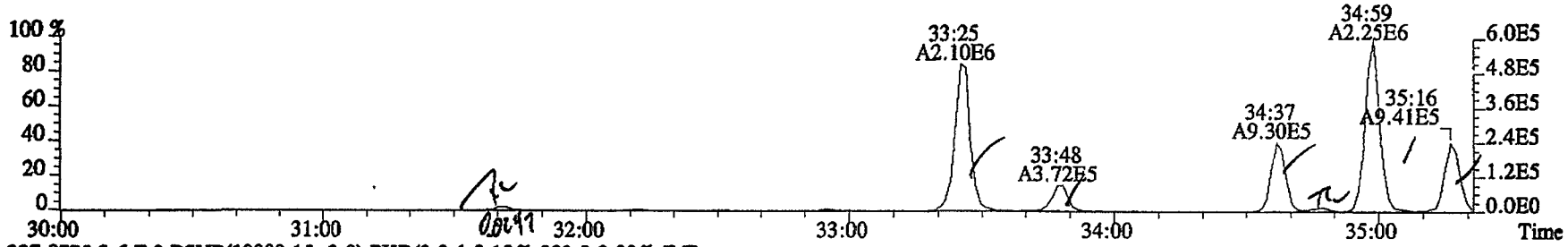
337.9207 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



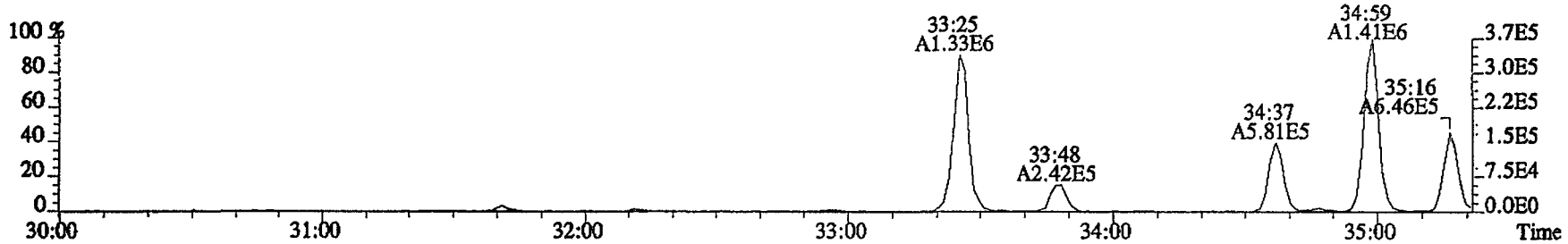
339.9177 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



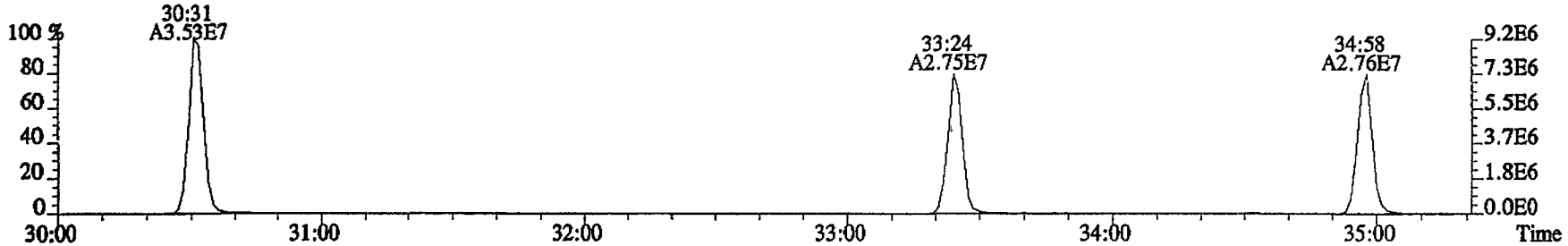
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



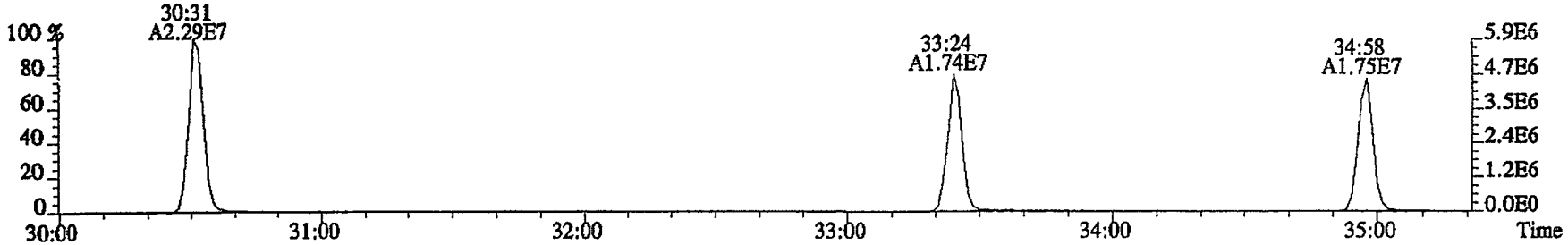
327.8775 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



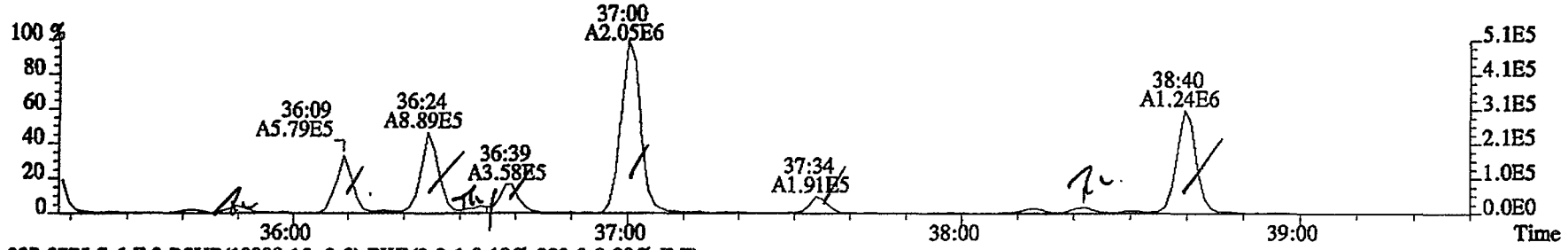
337.9207 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



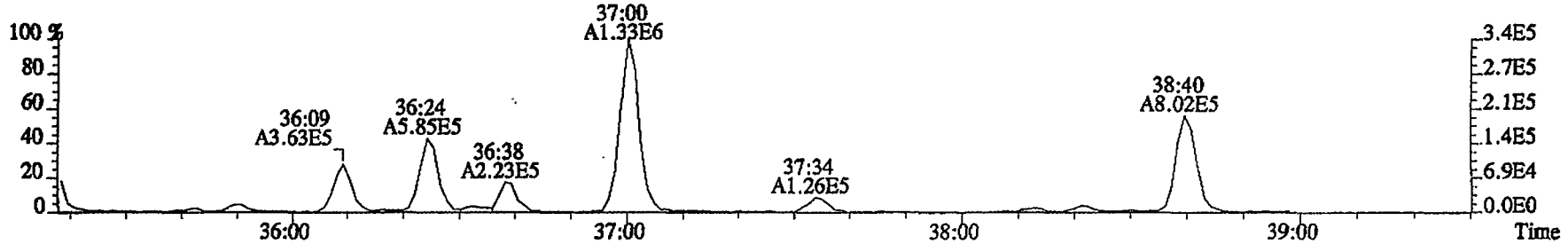
339.9177 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



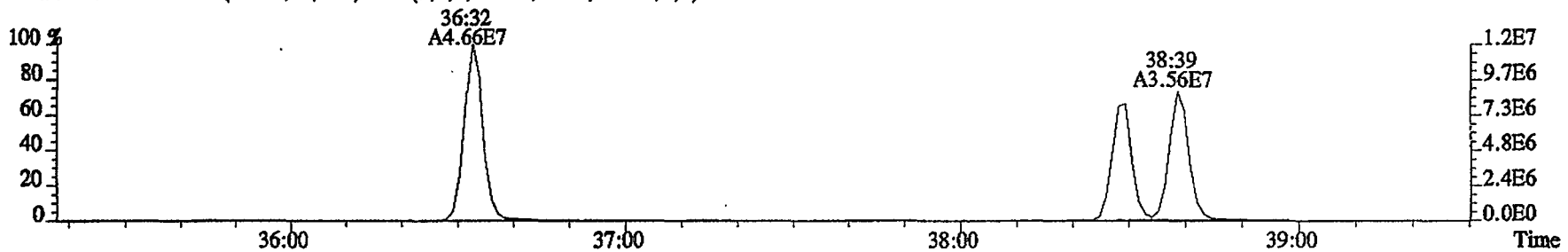
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



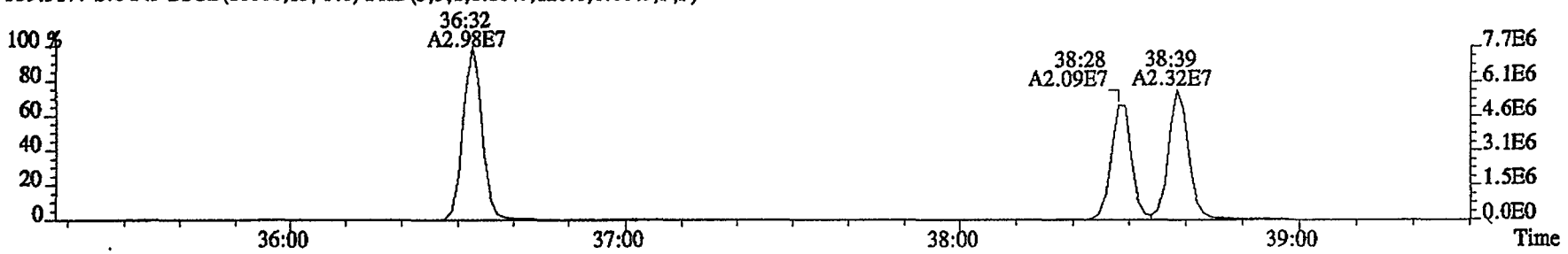
327.8775 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



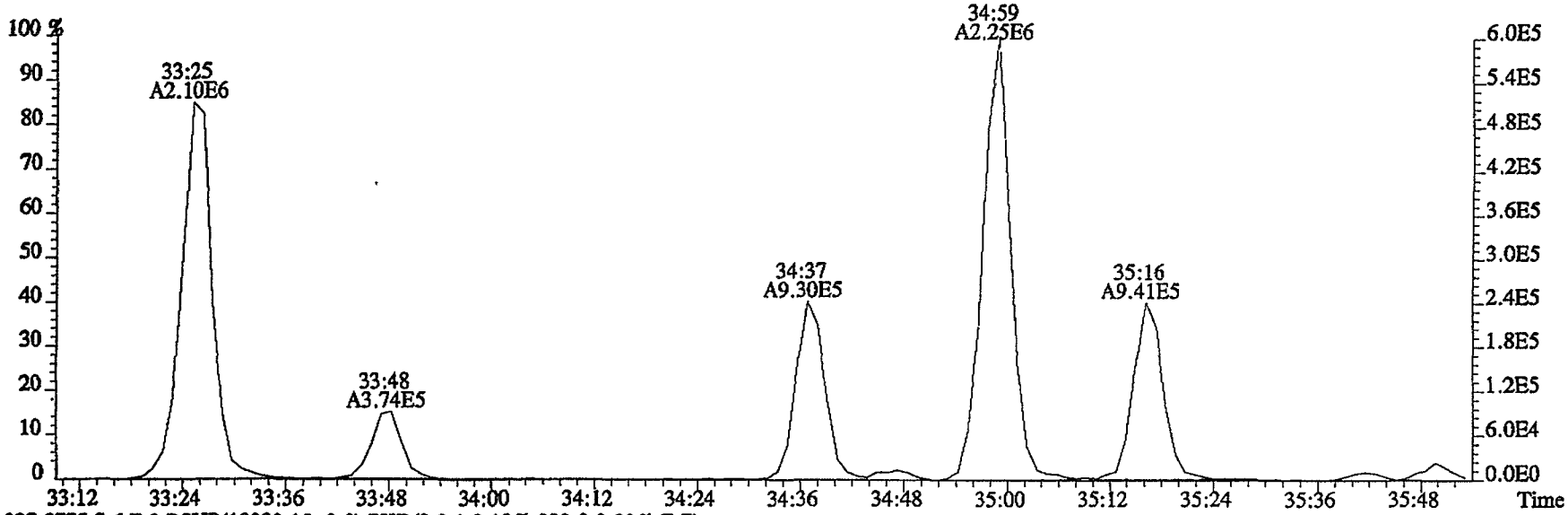
337.9207 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



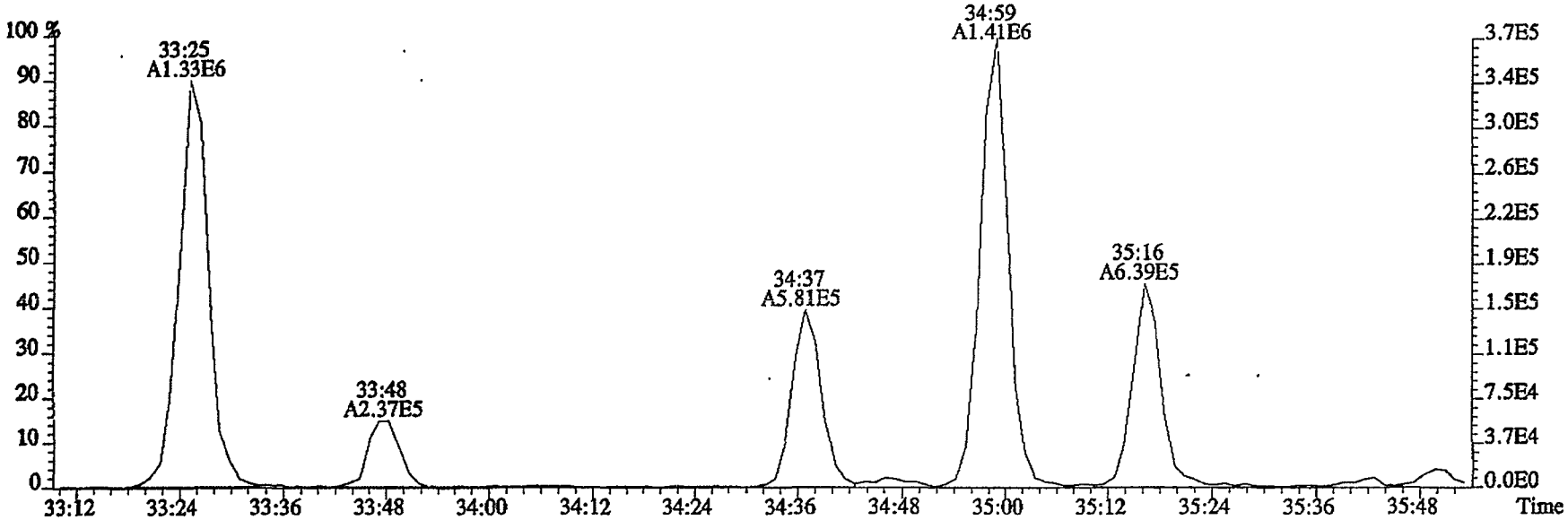
339.9177 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



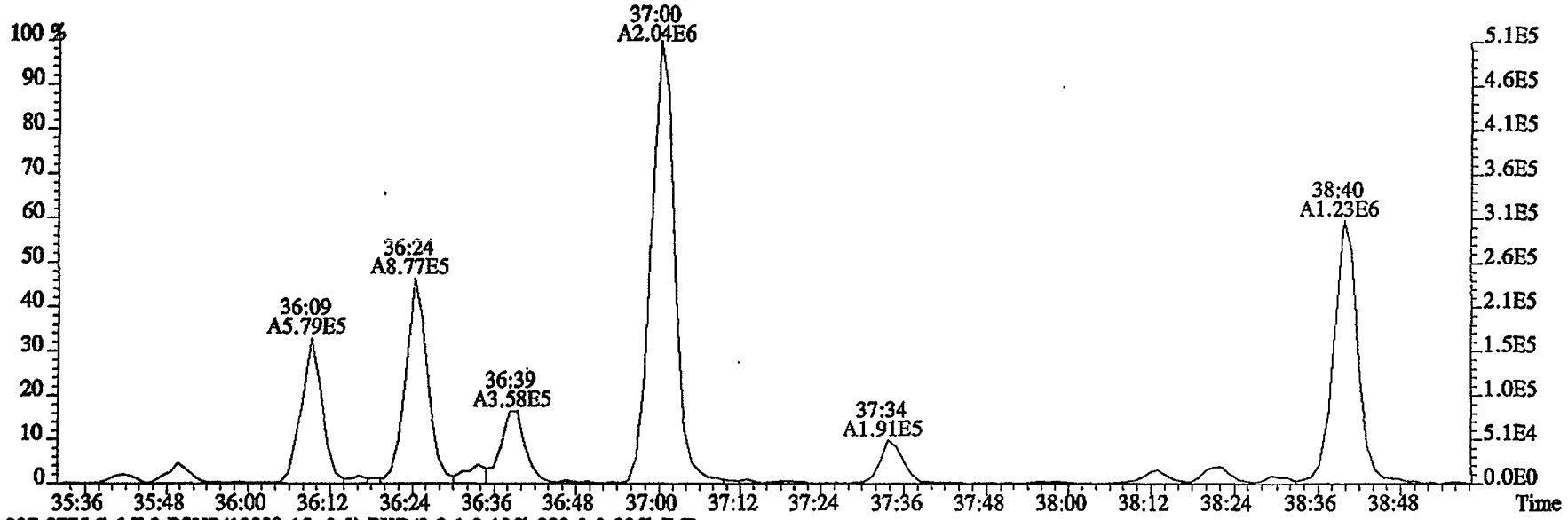
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



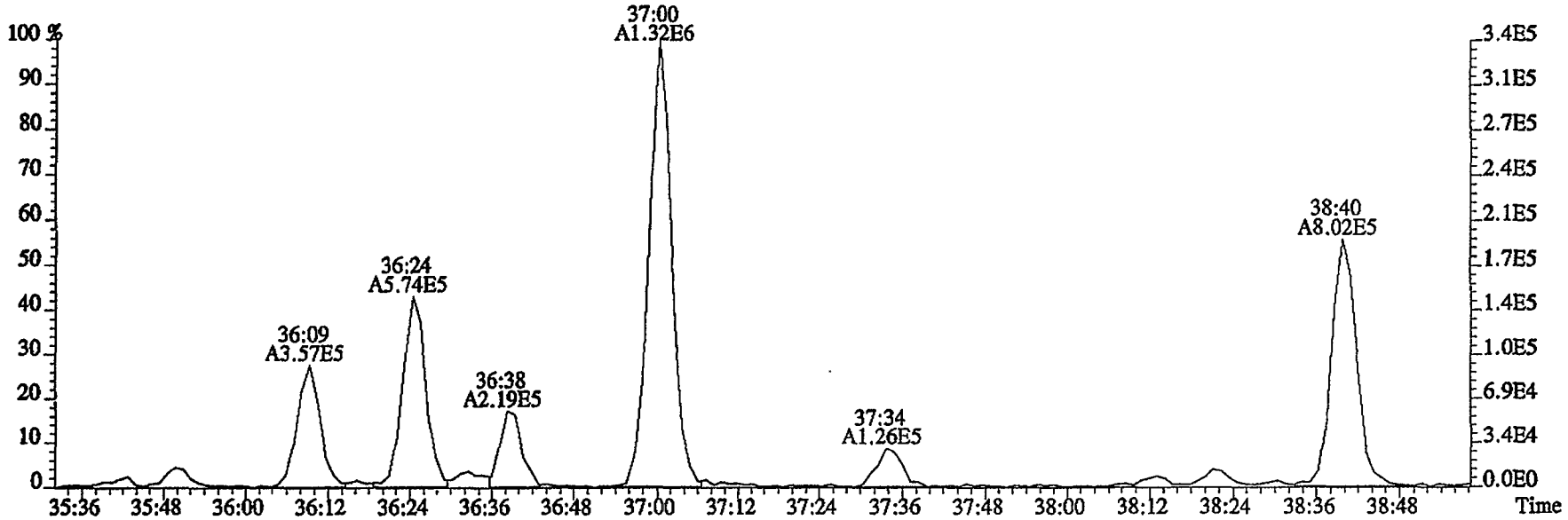
327.8775 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



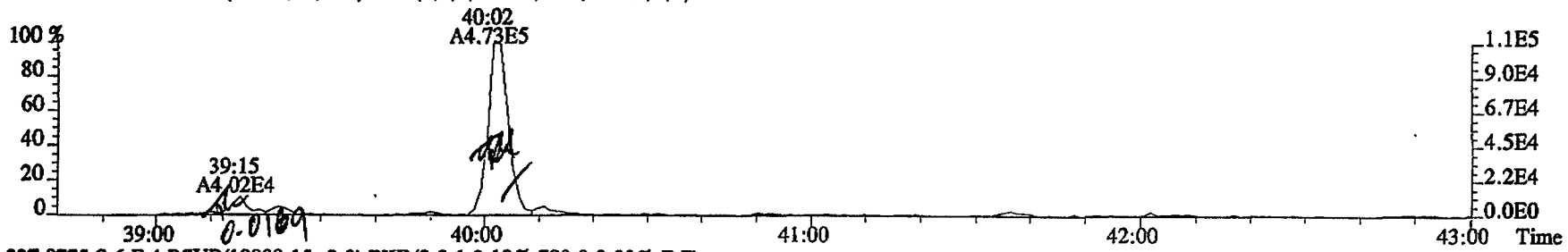
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



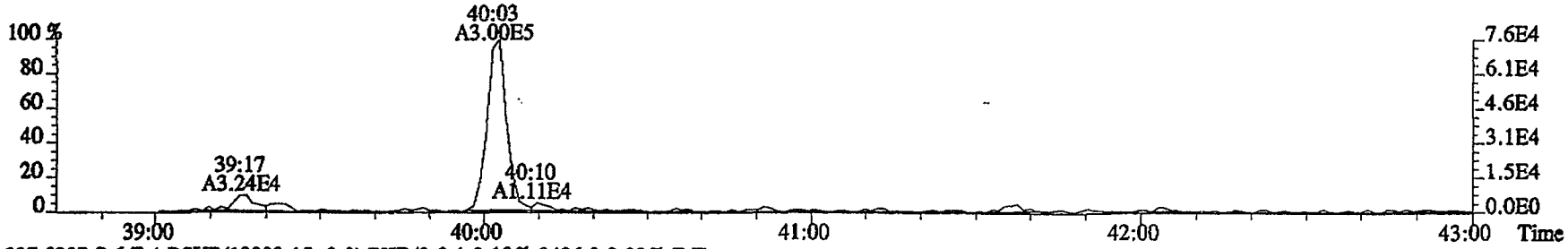
327.8775 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



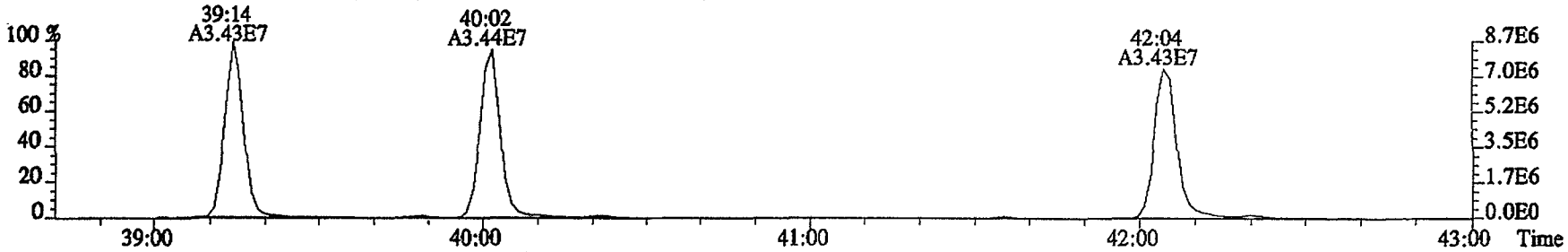
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



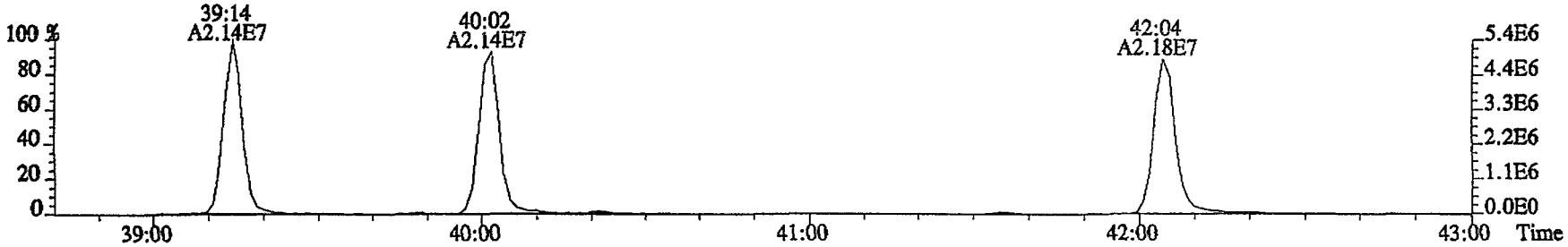
327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



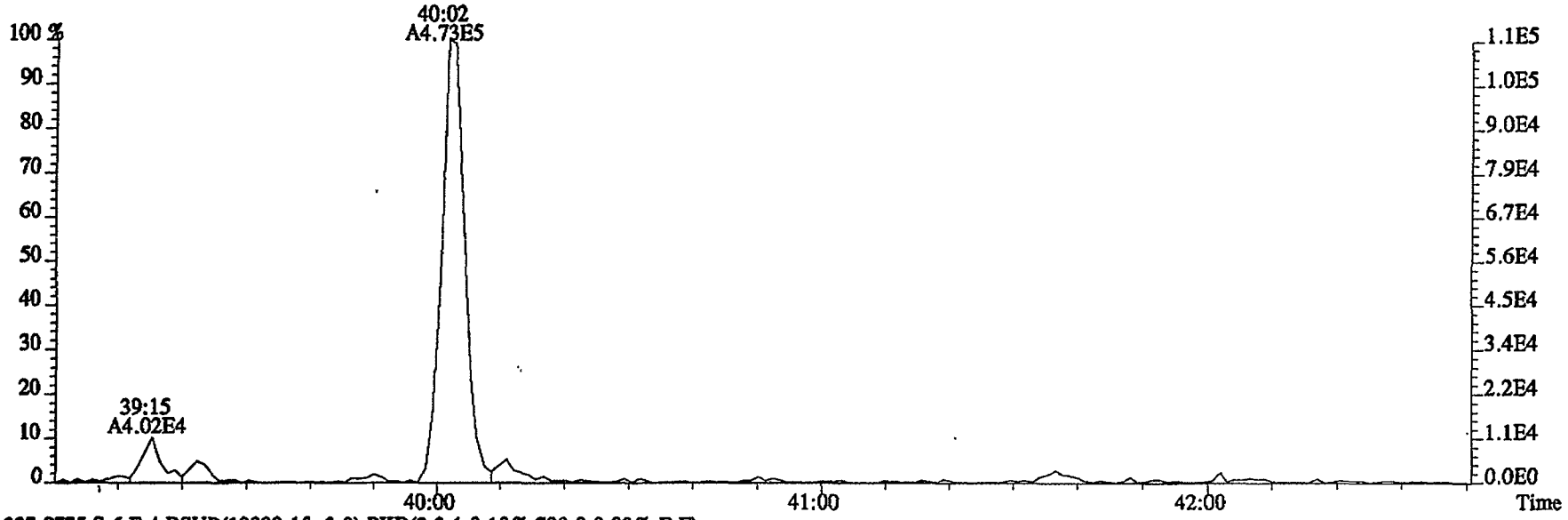
337.9207 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3496.0,0.00%,F,F)



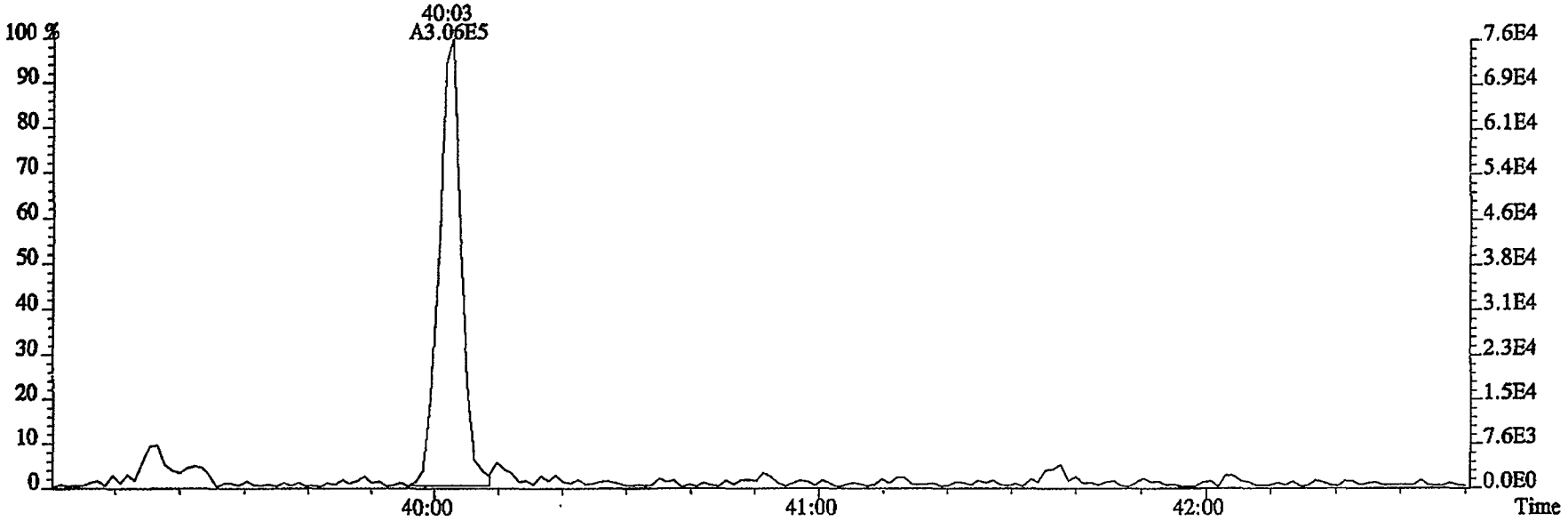
339.9177 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2516.0,0.00%,F,F)



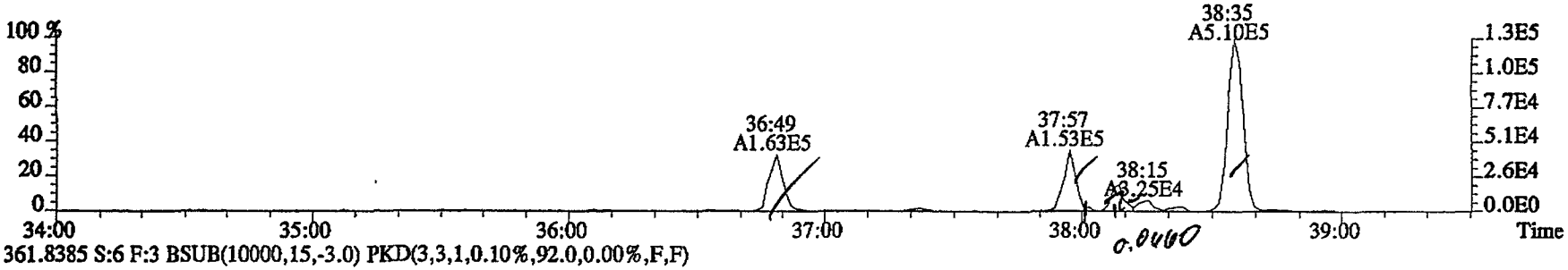
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)

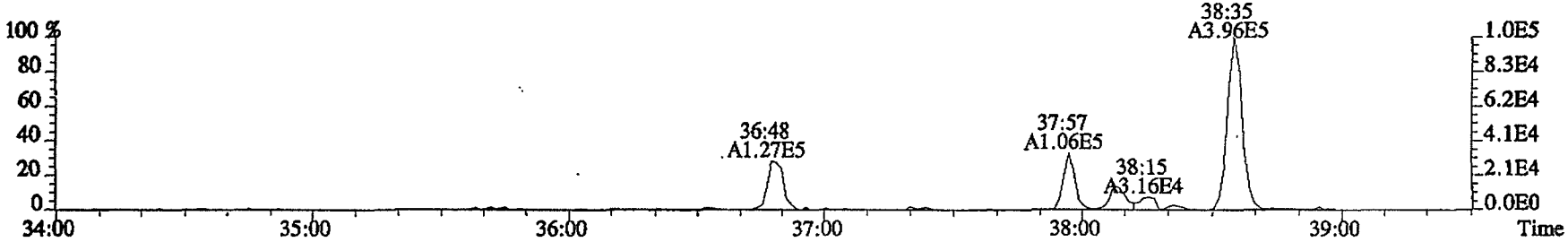


File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
359.8415 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)

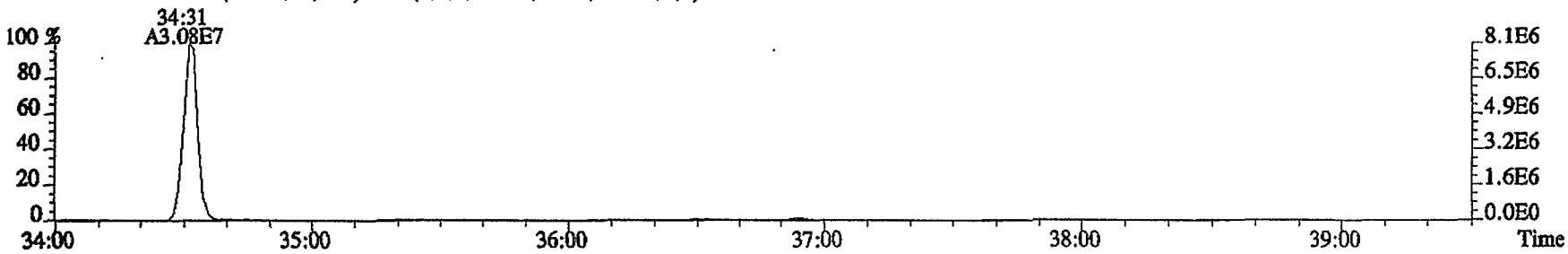


0.0460

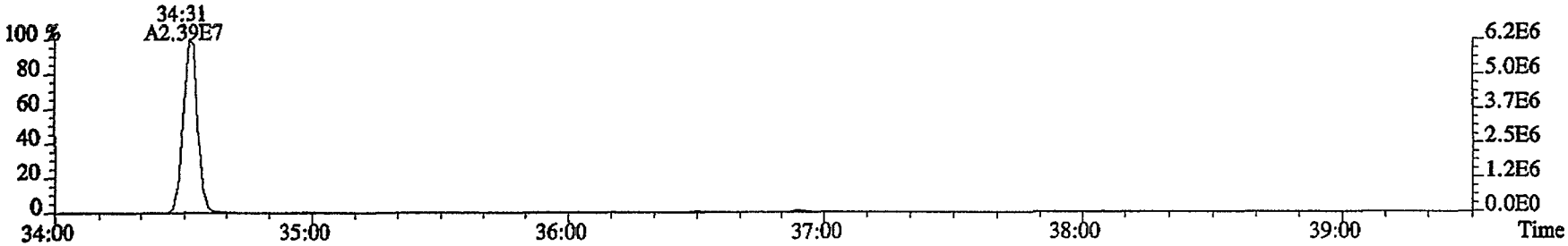
361.8385 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



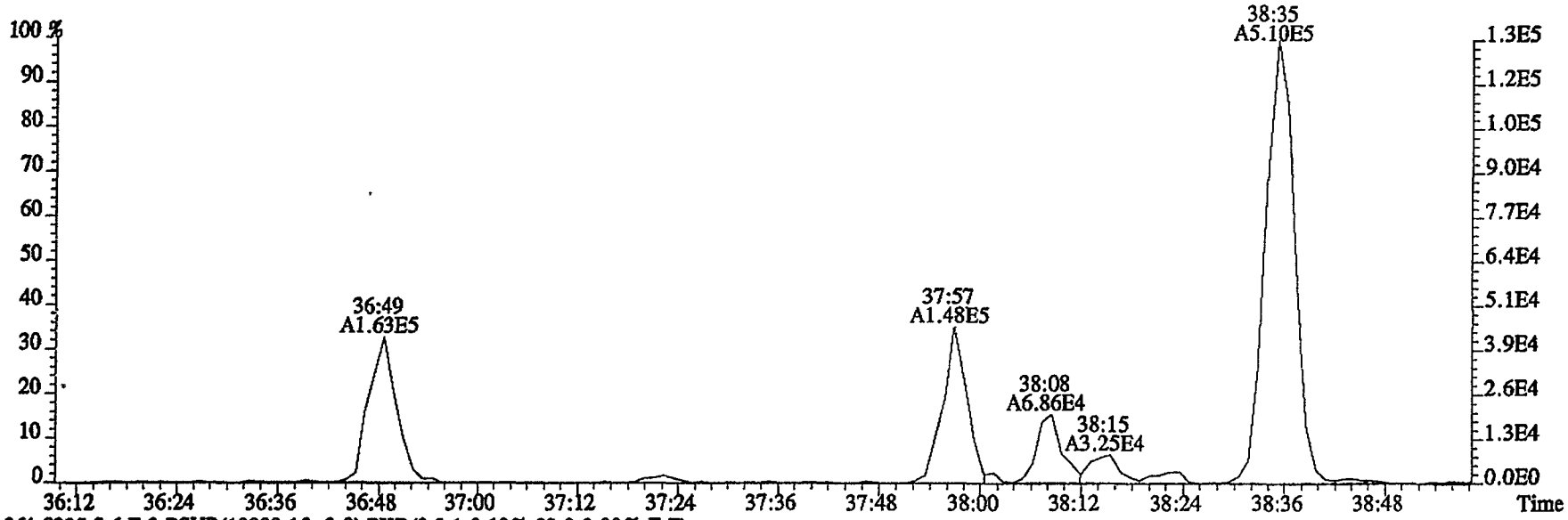
371.8817 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



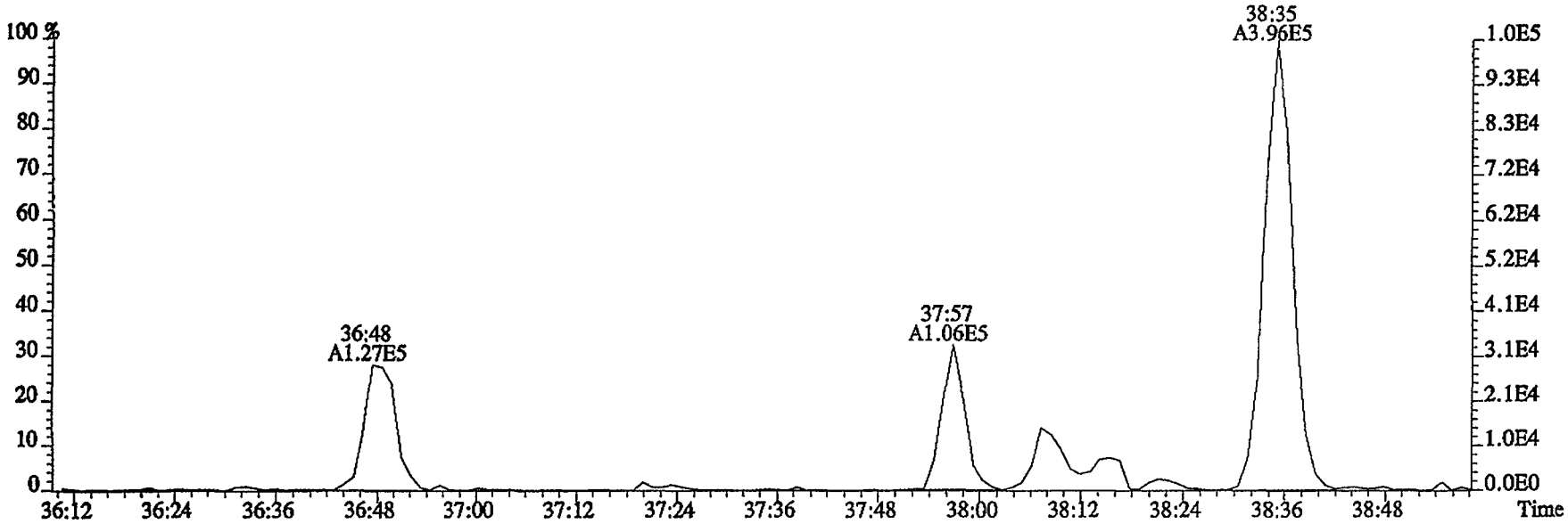
373.8788 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



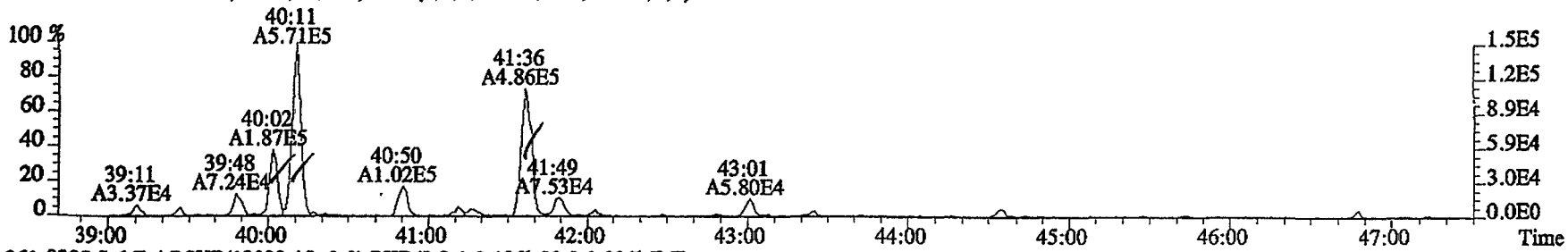
File:040519E1 #1-685 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
359.8415 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



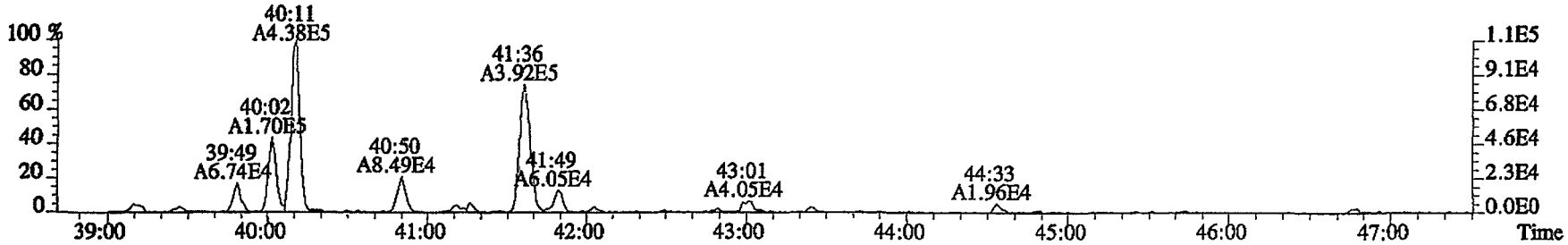
361.8385 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



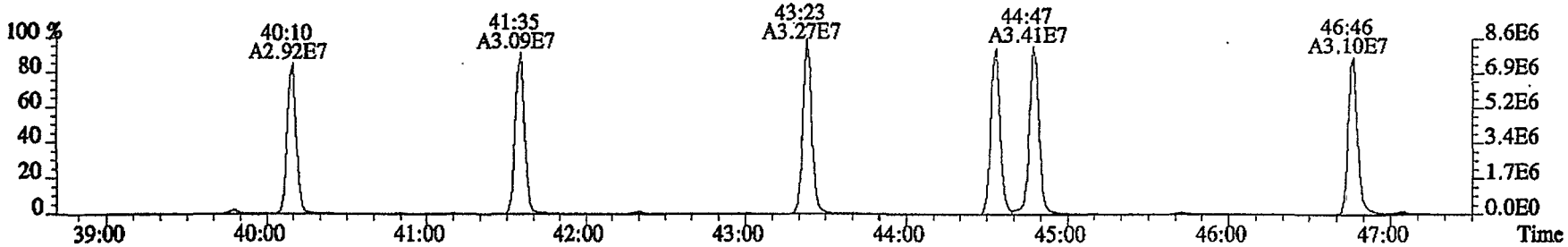
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
359.8415 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



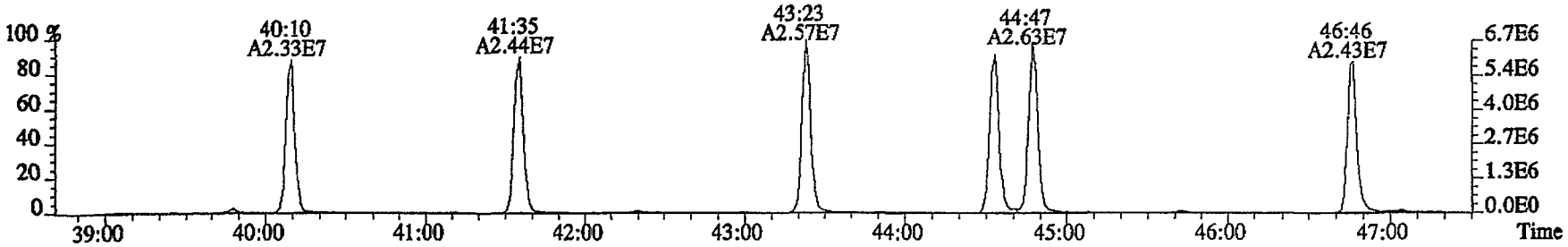
361.8385 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



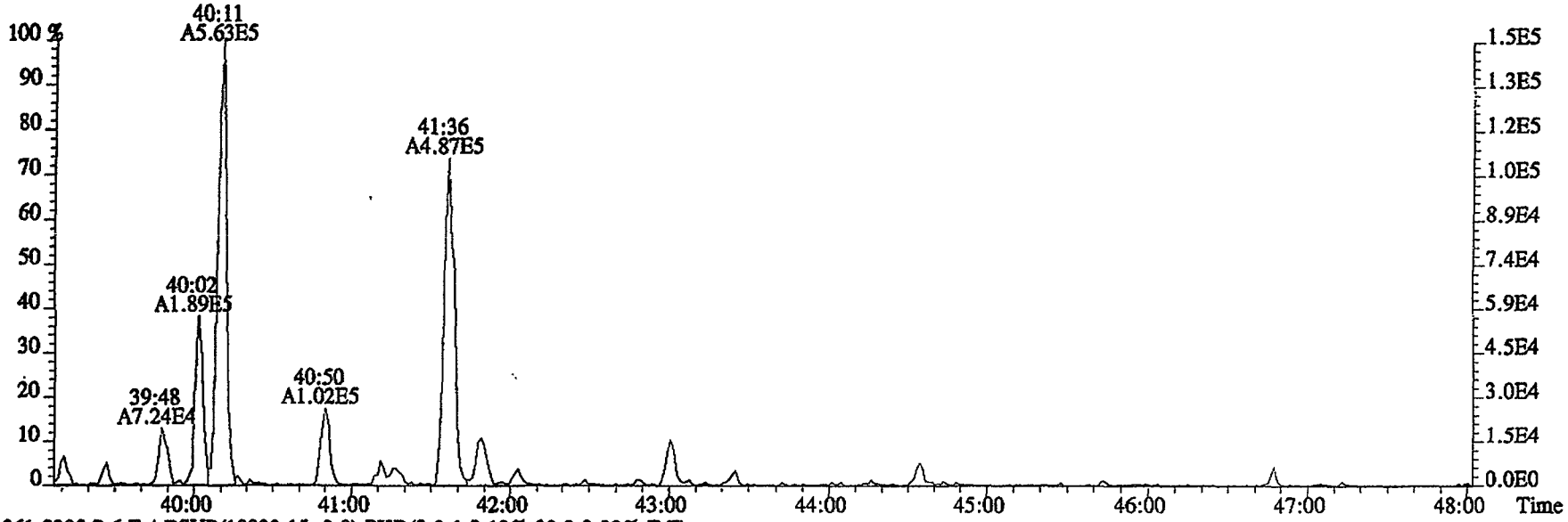
371.8817 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4880.0,0.00%,F,F)



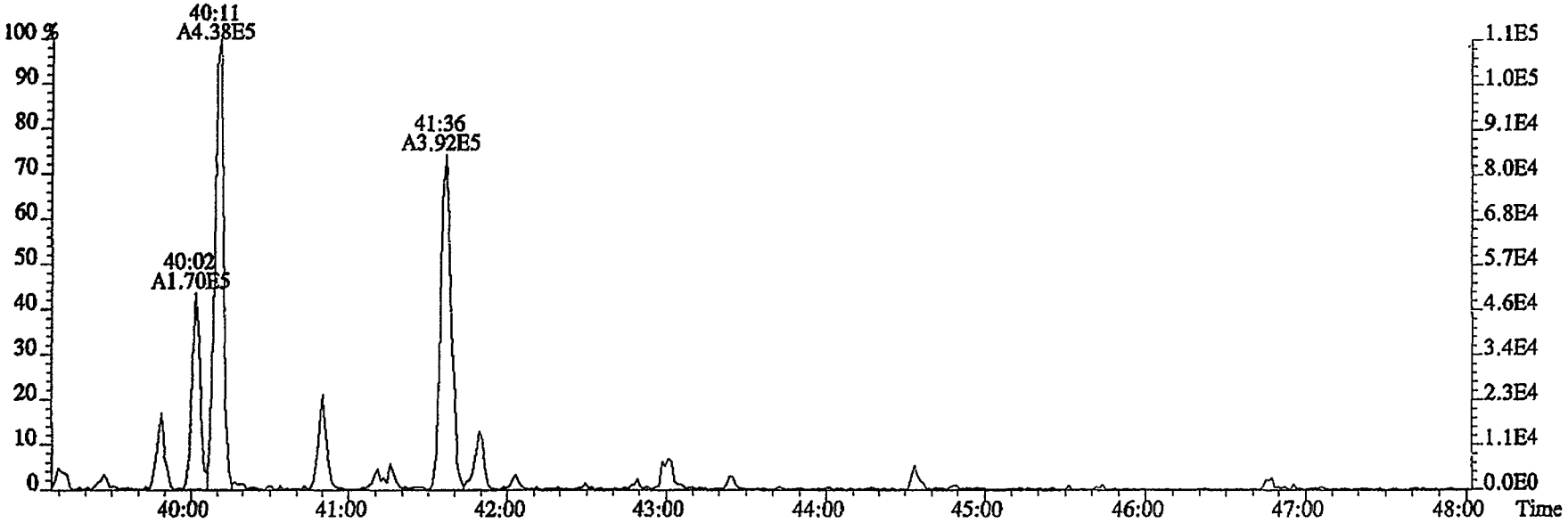
373.8788 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3972.0,0.00%,F,F)



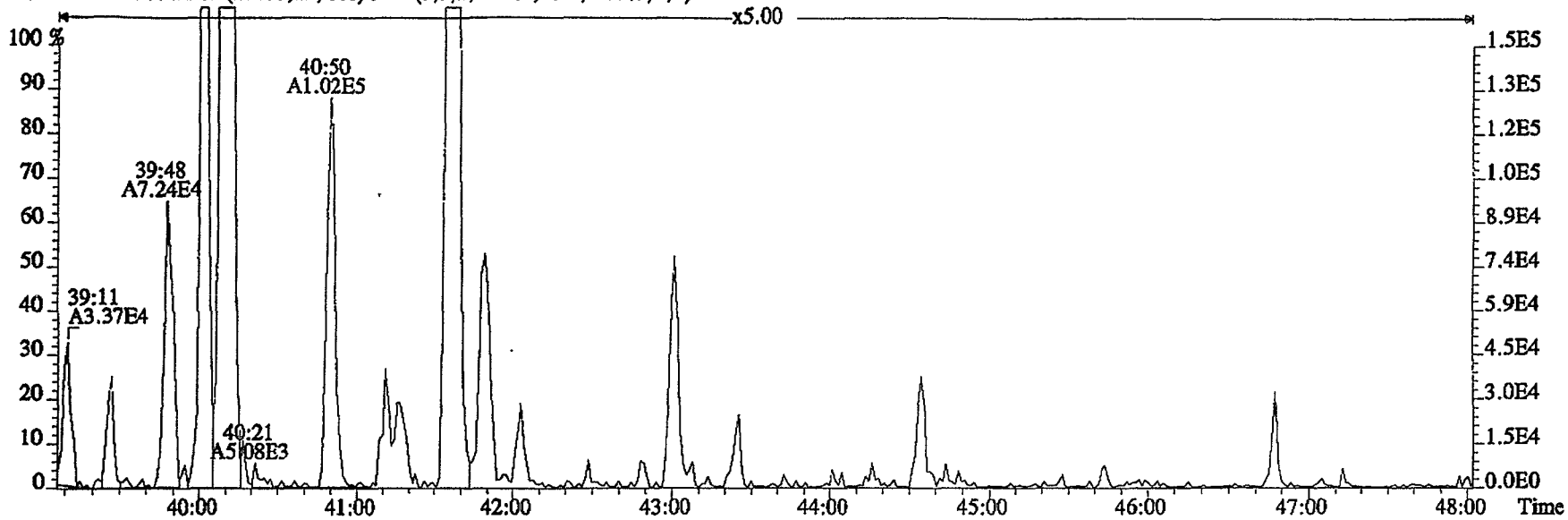
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
359.8415 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



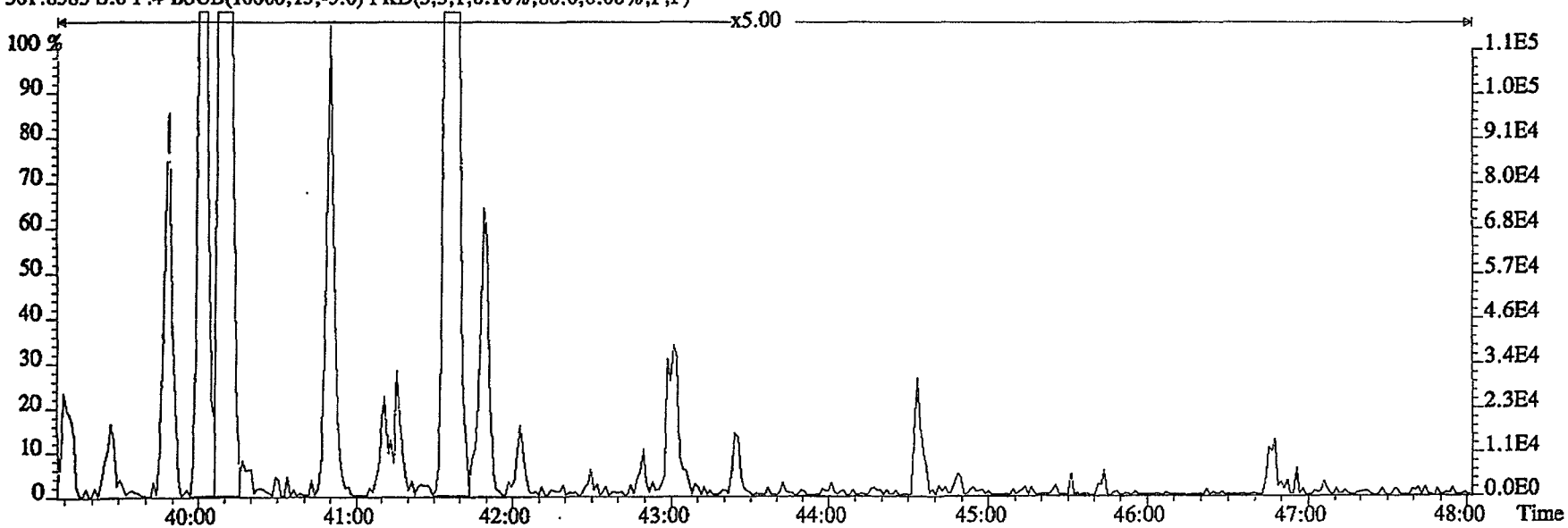
361.8385 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



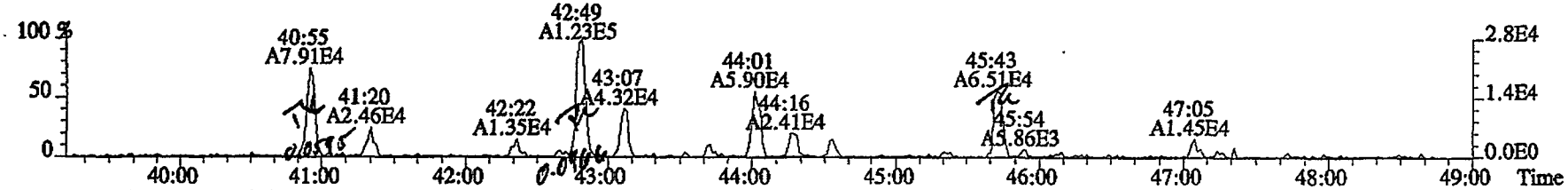
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
359.8415 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



361.8385 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)

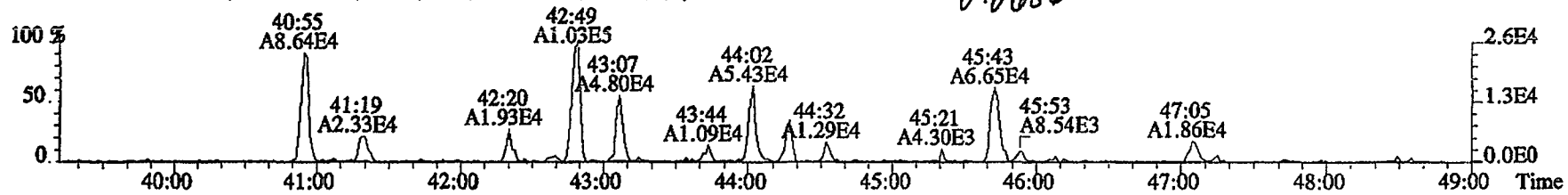


File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
393.8025 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)

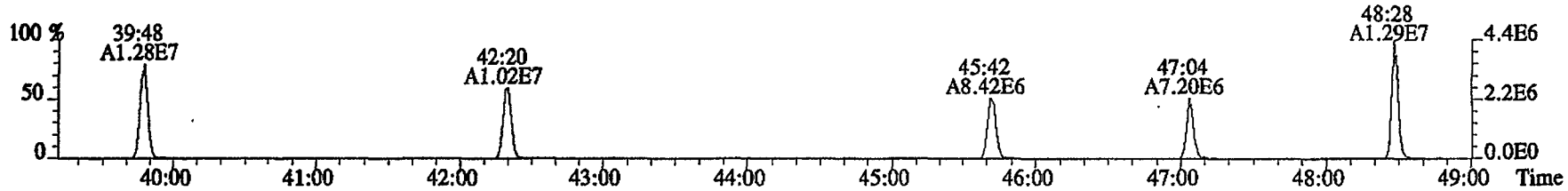


395.7995 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)

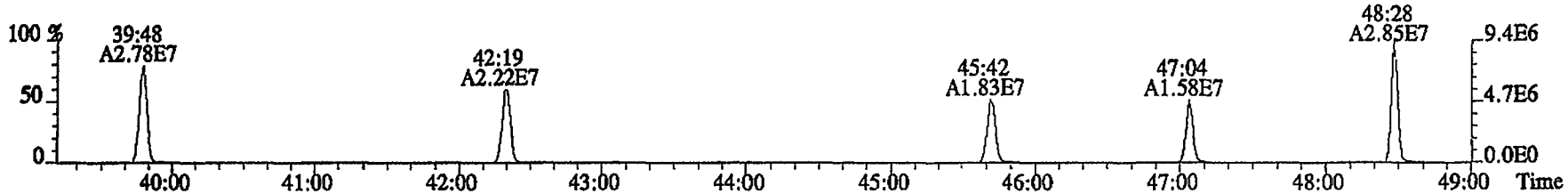
0.0656



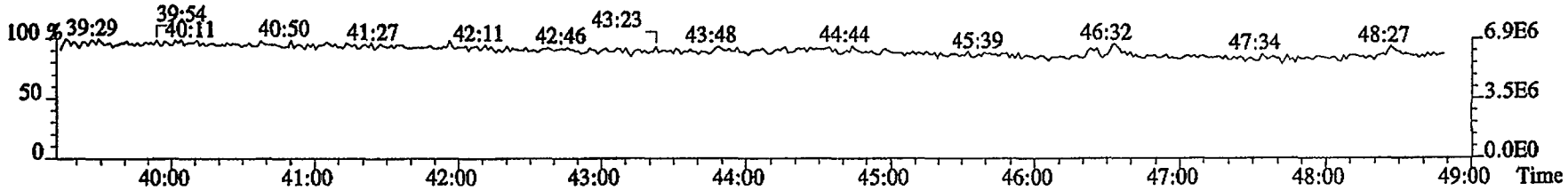
403.8457 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



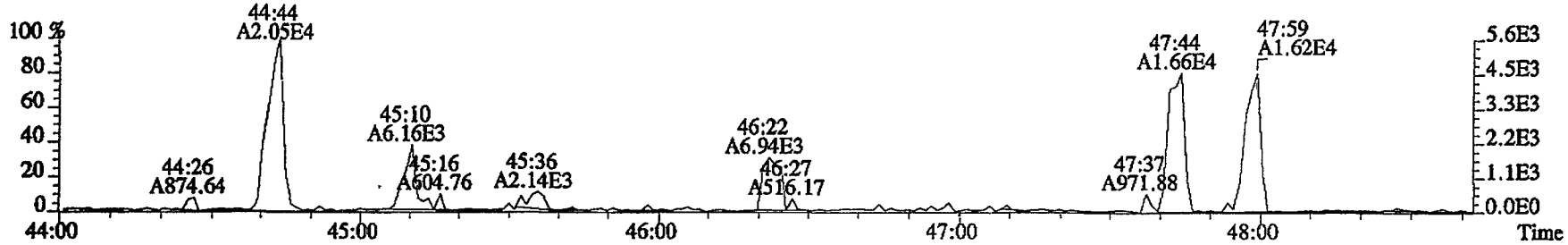
405.8428 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



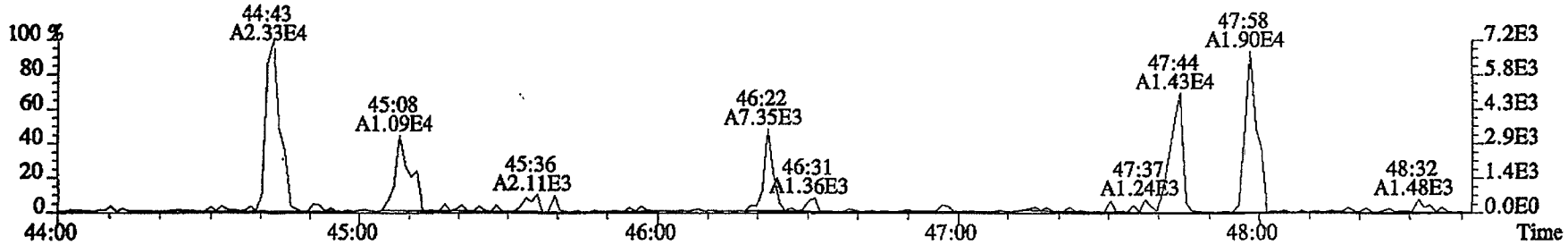
380.9760 S:6 F:4



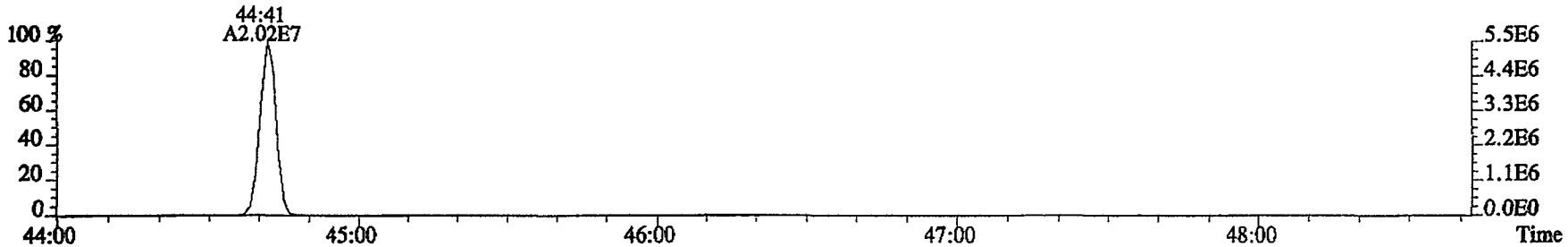
File:040519E1 #1-510 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
427.7635 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



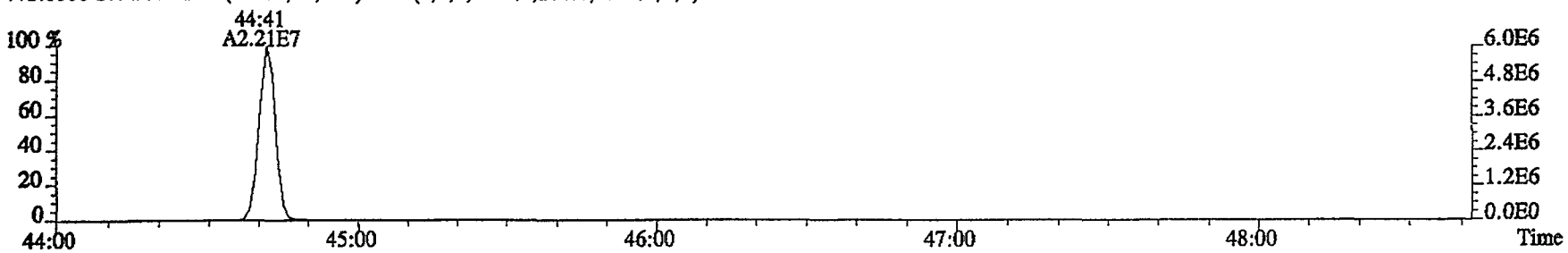
429.7606 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



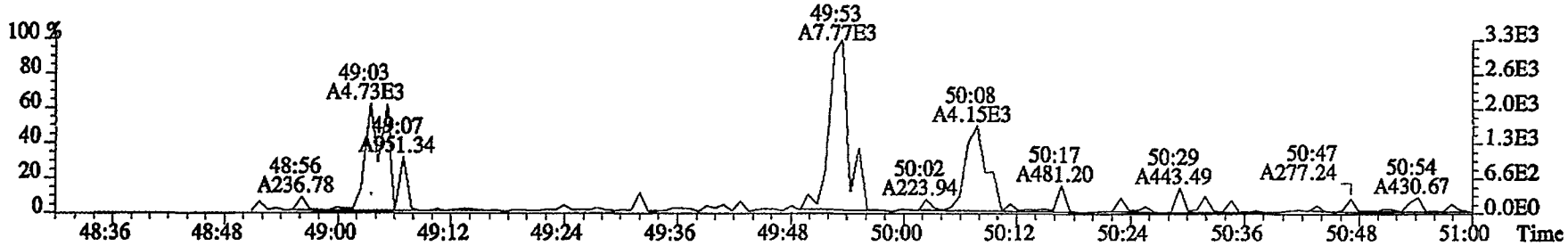
439.8038 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



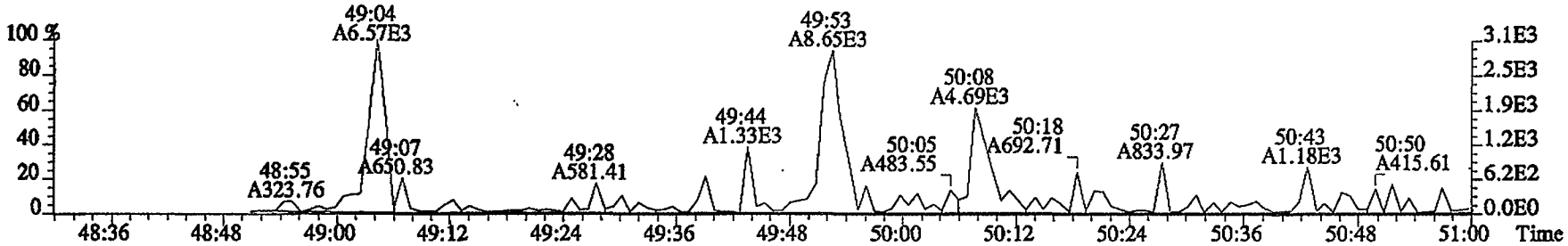
441.8008 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



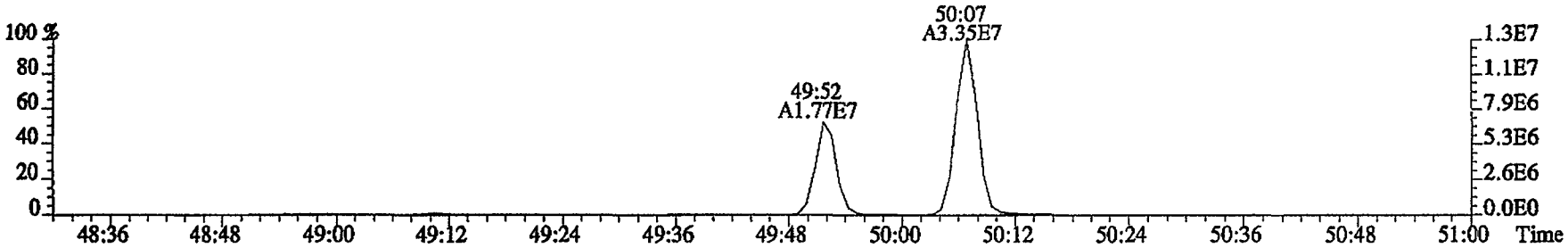
File:040519E1 #1-414 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
427.7635 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



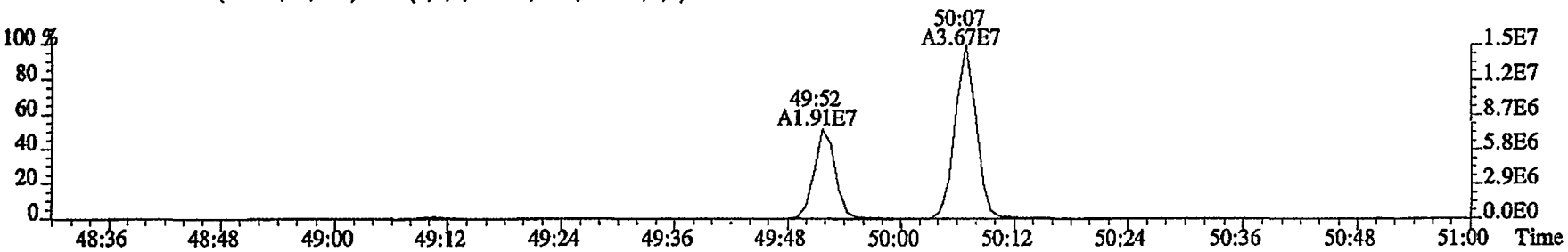
429.7606 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



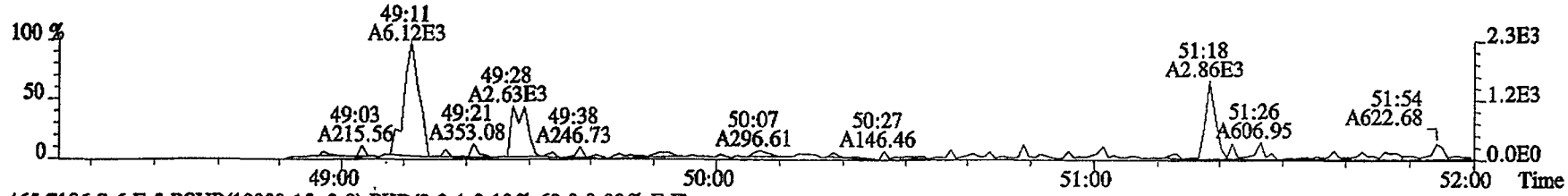
439.8038 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



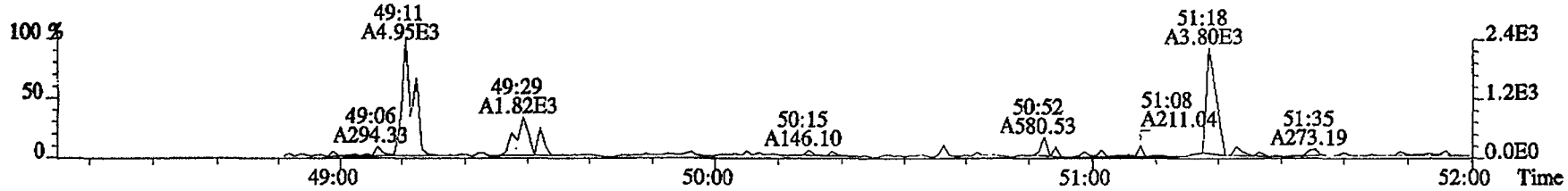
441.8008 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



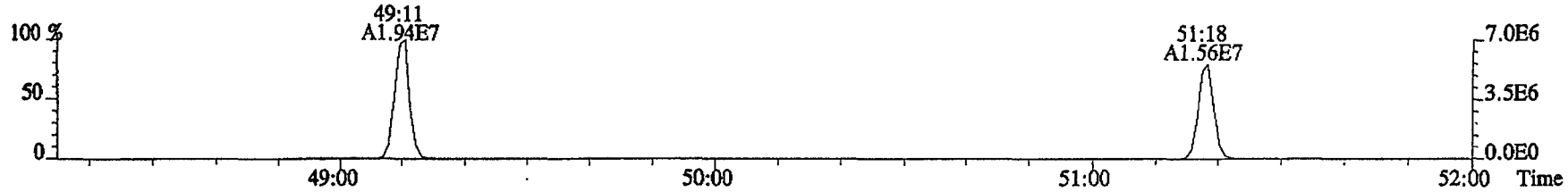
File:040519E1 #1-414 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
463.7216 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



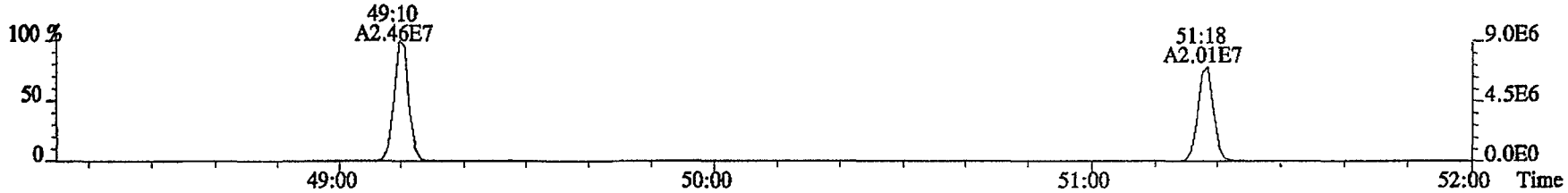
465.7186 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



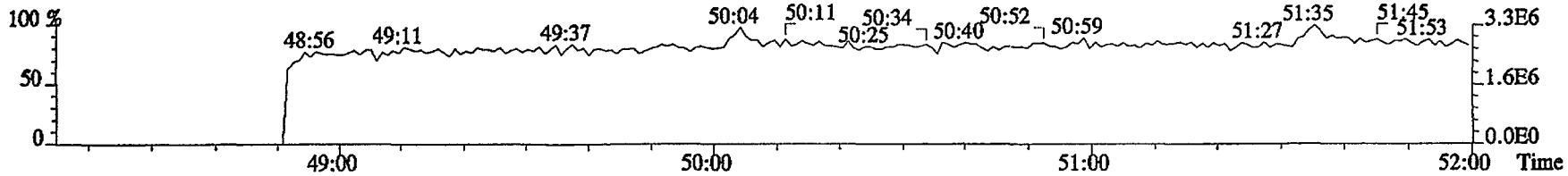
473.7648 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



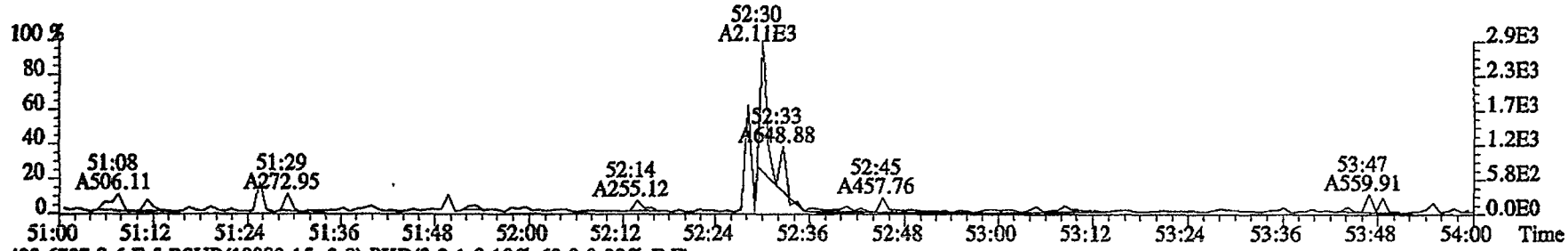
475.7619 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



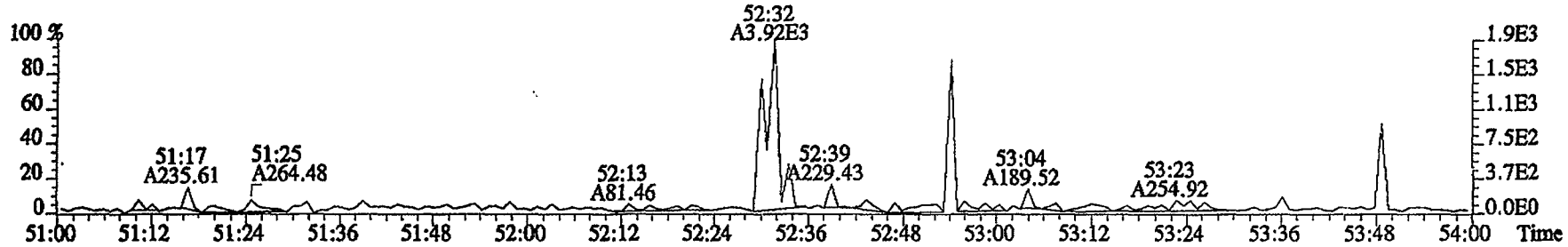
492.9697 S:6 F:5



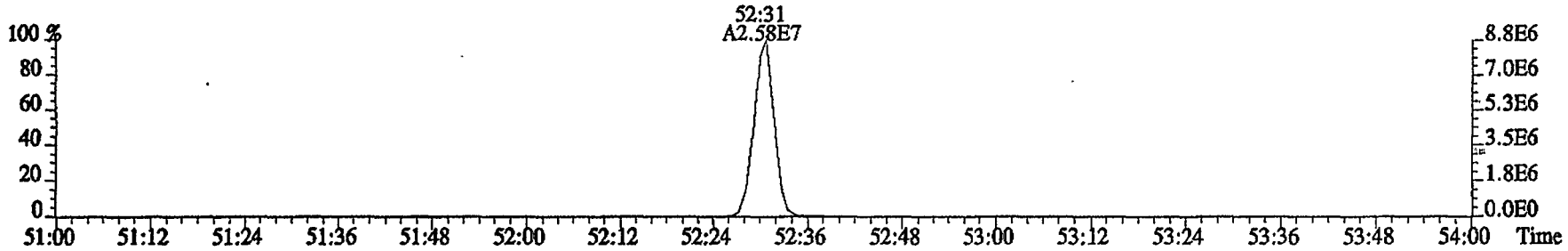
File:040519E1 #1-414 Acq:19-MAY-2004 15:56:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Alta Analytical Laboratory Text:24990_5892_002 84-AIR-101 1Train Exp:PCB_DB1
497.6826 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



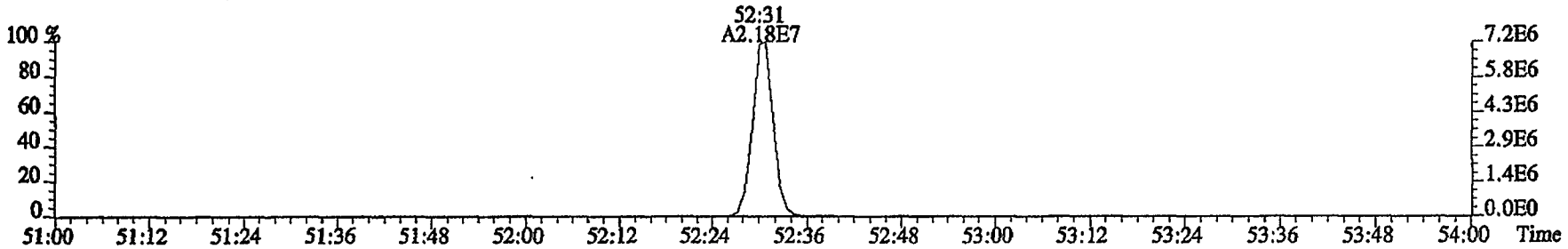
499.6797 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



509.7229 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



511.7199 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



Client ID: 84-AIR-104 Filename: 040519E1 S:7 Acq:19-MAY-04 16:56:54 ConCal: ST040519E1-1
Lab ID: 24990_5892_003 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	8.28e+06	2.92 y	1.00	15:16	1.001	0.996-1.006	2.21
PCB-2	7.63e+05	2.80 y	0.84	17:31	0.988	0.984-0.994	0.208
PCB-3	4.49e+06	2.90 y	0.96	17:44	1.001	0.996-1.006	1.07
PCB-4/10	4.20e+07	1.65 y	1.81	18:58	1.001	0.998-1.008	12.0
PCB-7/9	9.18e+06	1.64 y	1.48	20:39	1.001	0.997-1.007	1.93
PCB-6	2.57e+07	1.67 y	1.48	21:16	1.031	1.027-1.037	5.42
PCB-5/8	1.56e+08	1.65 y	1.44	21:38	1.049	1.044-1.054	33.9
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	2.99e+06	1.65 y	1.45	23:47	1.153	1.148-1.159	0.645
PCB-12/13	3.49e+06	1.62 y	1.50	24:07	1.169	1.165-1.177	0.727
PCB-15	4.93e+07	1.66 y	1.70	24:26	1.184	1.180-1.192	9.07
PCB-19	1.04e+07	1.07 y	1.18	22:49	1.001	0.996-1.006	4.07
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	1.10e+08	1.04 y	0.69	24:20	0.954	0.950-0.960	40.4
PCB-17	4.97e+07	1.04 y	0.78	24:30	0.961	0.956-0.966	16.1
PCB-24/27	1.16e+07	1.05 y	0.99	25:01	0.981	0.977-0.987	2.96
PCB-16/32	8.31e+07	1.04 y	0.85	25:29	1.000	0.995-1.005	24.6
PCB-34	5.38e+05	1.19 y	1.19	26:14	0.961	0.956-0.966	0.126
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	1.47e+06	1.07 y	1.35	26:33	0.972	0.968-0.978	0.305
PCB-26	2.93e+07	1.04 y	1.28	26:45	0.980	0.975-0.985	6.39
PCB-25	1.50e+07	1.06 y	1.33	26:53	0.985	0.980-0.990	3.15
PCB-31	1.50e+08	1.05 y	1.30	27:13	0.997	0.991-1.001	32.3
PCB-28	1.80e+08	1.08 y	1.54	27:19	1.000	0.996-1.006	32.7
PCB-20/21/33	1.30e+08	1.07 y	1.27	27:53	1.021	1.016-1.026	28.6
PCB-22	6.83e+07	1.09 y	1.33	28:16	1.035	1.031-1.041	14.4
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	1.49e+06	1.14 y	1.42	30:29	0.987	0.982-0.992	0.329
PCB-37	3.72e+07	1.09 y	1.57	30:52	1.000	0.995-1.005	7.45
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	5.88e+06	0.77 y	0.71	27:56	1.064	1.059-1.069	2.67
PCB-51	2.09e+06	0.81 y	0.72	28:14	1.076	1.071-1.081	0.937
PCB-45	6.64e+06	0.76 y	0.62	28:38	1.091	1.087-1.097	3.44
PCB-46	2.60e+06	0.75 y	0.60	29:05	1.108	1.102-1.114	1.39

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	2.78e+07	0.75 y	0.81	29:30	1.124	1.119-1.131	11.1
PCB-73	4.73e+05	0.88 y	0.90	29:37	1.129	1.123-1.135	0.169
PCB-43/49	2.33e+07	0.75 y	0.71	29:48	1.135	1.129-1.141	10.7
PCB-47	7.16e+06	0.74 y	0.73	29:58	1.142	1.136-1.148	3.18
PCB-48/75	1.03e+07	0.79 y	0.86	30:05	1.146	1.141-1.153	3.86
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	2.21e+07	0.77 y	0.61	30:42	1.170	1.164-1.176	11.7
PCB-42/59	1.25e+07	0.76 y	0.79	30:55	1.178	1.171-1.183	5.12
PCB-41/64/71/72	3.04e+07	0.77 y	0.88	31:27	1.198	1.193-1.205	11.2
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	3.94e+06	0.77 y	0.53	31:51	1.214	1.208-1.220	2.40
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	1.54e+06	0.78 y	1.12	32:30	0.892	0.886-0.895	0.470
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	1.10e+06	0.79 y	1.09	32:45	0.899	0.893-0.902	0.346
PCB-74	1.45e+07	0.77 y	1.15	33:01	0.907	0.900-0.909	4.30
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	2.68e+07	0.77 y	1.14	33:11	0.911	0.905-0.915	8.05
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	2.40e+07	0.77 y	1.31	33:23	0.917	0.911-0.921	6.25
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	8.69e+05	0.81 y	1.10	33:52	0.930	0.925-0.935	0.270
PCB-56/60	1.80e+07	0.75 y	1.09	34:19	0.942	0.936-0.946	5.63
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	1.01e+06	0.75 y	1.06	36:58	1.000	0.995-1.005	0.325
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	3.73e+06	1.53 y	1.09	33:26	1.000	0.995-1.005	1.87
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	6.90e+05	1.57 y	1.00	33:48	1.011	1.006-1.016	0.379
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84-AIR-104 Filename: 040519E1 S:7 Acq:19-MAY-04 16:56:54 ConCal: ST040519E1-1
Lab ID: 24990_5892_003 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL-UCL	Conc
PCB-84/92	1.61e+06	1.56	y	1.01	34:38	0.990	0.985-0.995	0.879
PCB-89	*	*	n	0.96	NotFnd	*	0.990-1.000	*
PCB-90/101	3.67e+06	1.62	y	1.14	35:00	1.001	0.995-1.005	1.79
PCB-113	*	*	n	1.19	NotFnd	*	1.001-1.011	*
PCB-99	1.55e+06	1.62	y	1.27	35:17	1.009	1.004-1.014	0.680
PCB-119	*	*	n	1.45	NotFnd	*	1.016-1.026	*
PCB-108/112	*	*	n	1.15	NotFnd	*	1.020-1.030	*
PCB-83	*	*	n	1.31	NotFnd	*	1.024-1.034	*
PCB-97	9.33e+05	1.58	y	1.02	36:10	1.034	1.029-1.039	0.506
PCB-86	*	*	n	0.91	NotFnd	*	1.032-1.042	*
B-87/117/125	1.48e+06	1.55	y	1.32	36:26	1.042	1.036-1.046	0.622
PCB-111/115	*	*	n	1.46	NotFnd	*	1.040-1.050	*
PCB-85/116	*	*	n	1.21	NotFnd	*	1.043-1.053	* TCL=0.281
PCB-120	*	*	n	1.53	NotFnd	*	1.050-1.060	*
PCB-110	3.31e+06	1.55	y	1.47	37:01	1.058	1.054-1.064	1.25
PCB-82	3.00e+05	1.65	y	0.70	37:35	0.976	0.972-0.982	0.215
PCB-124	*	*	n	1.17	NotFnd	*	0.988-0.998	*
PCB-107/109	*	*	n	1.21	NotFnd	*	0.991-1.001	*
PCB-123	*	*	n	1.15	NotFnd	*	0.995-1.005	*
- PCB-106/118	1.83e+06	1.55	y	1.06	38:41	1.000	0.996-1.006	0.766
- PCB-114	*	*	n	1.40	NotFnd	*	0.995-1.005	*
PCB-122	*	*	n	1.45	NotFnd	*	0.979-0.989	*
PCB-105	7.06e+05	1.71	y	1.44	40:04	1.001	0.996-1.006	0.226
PCB-127	*	*	n	1.35	NotFnd	*	1.004-1.014	*
PCB-126	*	*	n	1.41	NotFnd	*	0.995-1.005	*
PCB-155	*	*	n	1.12	NotFnd	*	0.995-1.005	*
PCB-150	*	*	n	1.04	NotFnd	*	1.028-1.038	*
PCB-152	*	*	n	1.03	NotFnd	*	1.041-1.051	*
PCB-145	*	*	n	1.02	NotFnd	*	1.052-1.062	*
PCB-136	*	*	n	1.00	NotFnd	*	1.061-1.071	* TCL=0.120
PCB-148	*	*	n	0.79	NotFnd	*	1.064-1.074	*
PCB-154	*	*	n	0.92	NotFnd	*	1.077-1.087	*
PCB-151	2.53e+05	1.32	y	0.72	37:58	1.099	1.094-1.104	0.163
PCB-135	*	*	n	0.70	NotFnd	*	1.098-1.110	*
PCB-144	*	*	n	0.77	NotFnd	*	1.101-1.113	*
PCB-147	*	*	n	0.83	NotFnd	*	1.105-1.117	*
PCB-139/149	8.92e+05	1.28	y	0.80	38:36	1.117	1.112-1.124	0.517

Name	Resp	RA		RRF	RT	RRT	LCL-UCL	Conc
- PCB-140	*	*	n	0.80	NotFnd	*	1.117-1.129	*
- PCB-134/143	*	*	n	0.74	NotFnd	*	1.128-1.140	*
PCB-133/142	*	*	n	0.74	NotFnd	*	1.136-1.148	*
PCB-131	*	*	n	0.72	NotFnd	*	1.140-1.152	*
PCB-146/165	*	*	n	1.01	NotFnd	*	0.986-0.996	*
PCB-132/161	3.24e+05	1.36	y	0.96	40:03	0.997	0.991-1.001	0.176
PCB-153	9.31e+05	1.13	y	1.03	40:11	1.000	0.995-1.005	0.469
PCB-168	*	*	n	1.11	NotFnd	*	1.000-1.010	*
PCB-141	*	*	n	0.89	NotFnd	*	1.012-1.022	*
PCB-137	*	*	n	0.84	NotFnd	*	1.021-1.031	*
PCB-130	*	*	n	0.77	NotFnd	*	1.023-1.033	*
PCB-138/163/164	8.02e+05	1.26	y	1.09	41:38	1.036	1.032-1.042	0.380
PCB-158/160	*	*	n	1.16	NotFnd	*	1.037-1.047	*
PCB-129	*	*	n	0.73	NotFnd	*	1.042-1.052	*
PCB-166	*	*	n	0.93	NotFnd	*	0.974-0.984	*
PCB-159	*	*	n	0.99	NotFnd	*	0.981-0.991	*
PCB-128/162	*	*	n	0.84	NotFnd	*	0.987-0.997	*
PCB-167	*	*	n	0.97	NotFnd	*	0.995-1.005	*
PCB-156	*	*	n	1.04	NotFnd	*	0.995-1.005	*
PCB-157	*	*	n	0.96	NotFnd	*	0.996-1.006	*
PCB-169	*	*	n	0.96	NotFnd	*	0.995-1.005	*
PCB-188	*	*	n	1.47	NotFnd	*	0.995-1.005	*
PCB-184	*	*	n	1.48	NotFnd	*	1.005-1.015	*
PCB-179	*	*	n	1.38	NotFnd	*	1.023-1.033	*
PCB-176	*	*	n	1.34	NotFnd	*	1.034-1.044	*
PCB-186	*	*	n	1.38	NotFnd	*	1.048-1.058	*
PCB-178	*	*	n	0.99	NotFnd	*	1.059-1.069	*
PCB-175	*	*	n	0.98	NotFnd	*	1.067-1.077	*
PCB-182/187	1.94e+05	1.11	y	1.16	42:49	1.075	1.071-1.081	0.116
PCB-183	*	*	n	1.12	NotFnd	*	1.078-1.088	*
PCB-185	*	*	n	1.38	NotFnd	*	0.952-0.962	*
PCB-174	*	*	n	1.46	NotFnd	*	0.959-0.969	*
PCB-181	*	*	n	1.42	NotFnd	*	0.961-0.971	*
PCB-177	*	*	n	1.35	NotFnd	*	0.964-0.974	*
PCB-171	*	*	n	1.45	NotFnd	*	0.970-0.980	*
PCB-173	*	*	n	1.29	NotFnd	*	0.978-0.988	*
PCB-172	*	*	n	1.30	NotFnd	*	0.987-0.997	*

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]

Date: 5-20-04

Client ID: 84-AIR-104 Filename: 040519E1 S:7 Acq:19-MAY-04 16:56:54 ConCal: ST040519E1-1
Lab ID: 24990_5892_003 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-192	*	* n	1.70	NotFnd	*	0.991	1.001	*
PCB-180	*	* n	1.50	NotFnd	*	0.995	1.005	*
PCB-193	*	* n	1.94	NotFnd	*	0.999	1.009	*
PCB-191	*	* n	1.79	NotFnd	*	1.004	1.014	*
PCB-170	*	* n	1.53	NotFnd	*	0.995	1.005	*
PCB-190	*	* n	2.02	NotFnd	*	0.999	1.009	*
PCB-189	*	* n	1.42	NotFnd	*	0.995	1.005	*
PCB-202	*	* n	1.00	NotFnd	*	0.996	1.006	*
PCB-201	*	* n	0.99	NotFnd	*	1.005	1.015	*
PCB-204	*	* n	1.02	NotFnd	*	1.008	1.018	*
PCB-197	*	* n	1.04	NotFnd	*	1.014	1.025	*
PCB-200	*	* n	0.98	NotFnd	*	1.032	1.042	*
PCB-198	*	* n	0.68	NotFnd	*	1.060	1.070	*
PCB-199	*	* n	0.74	NotFnd	*	1.062	1.072	*
- PCB-196/203	*	* n	0.79	NotFnd	*	1.068	1.078	*
- PCB-195	*	* n	1.18	NotFnd	*	0.979	0.989	*
PCB-194	*	* n	1.28	NotFnd	*	0.995	1.005	*
PCB-205	*	* n	1.67	NotFnd	*	1.000	1.010	*
PCB-208	*	* n	0.94	NotFnd	*	0.995	1.005	*
PCB-207	*	* n	0.84	NotFnd	*	1.001	1.014	*
PCB-206	*	* n	0.88	NotFnd	*	0.995	1.005	*
PCB-209	*	* n	1.11	NotFnd	*	0.995	1.005	*

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	1.35e+07	2.92 y	15:16	0.93	3.49	
Total Di-PCB	2.88e+08	1.65 y	18:58	1.51	63.7	
Total Tri-PCB	2.65e+08	1.07 y	22:49	0.99	88.2	
Total Tri-PCB	6.14e+08	1.19 y	26:14	1.38	126	Sum:214
Total Tetra-PCB	2.43e+08	0.77 y	27:56	0.81	93.5	
Total Penta-PCB	1.91e+07	1.53 y	33:26	1.10	8.96	
Total Penta-PCB	7.06e+05	1.71 y	40:04	1.41	0.226	Sum:9.18
Total Hexa-PCB	1.14e+06	1.32 y	37:58	0.88	0.679	
Total Hexa-PCB	2.06e+06	1.36 y	40:03	0.92	1.03	Sum:1.70
Total Hepta-PCB	1.94e+05	1.11 y	42:49	1.37	0.116	
Total Octa-PCB	*	* n	NotFnd	0.89	*	
Total Octa-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	* n	NotFnd	0.89	*	
Total Deca-PCB	*	* n	NotFnd	1.11	*	

RL: MONO, TRI: 0.050ng Integrations by Analyst: [illegible]
RL: DI, TETRA - HEPTA: 0.100ng
RL: OCTA - DECA: 0.150ng Date: 5-20-04

Client ID: 84-AIR-104 Filename: 040519E1 S:7 Acq:19-MAY-04 16:56:54 ConCal: ST040519E1-1
Lab ID: 24990_5892_003 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

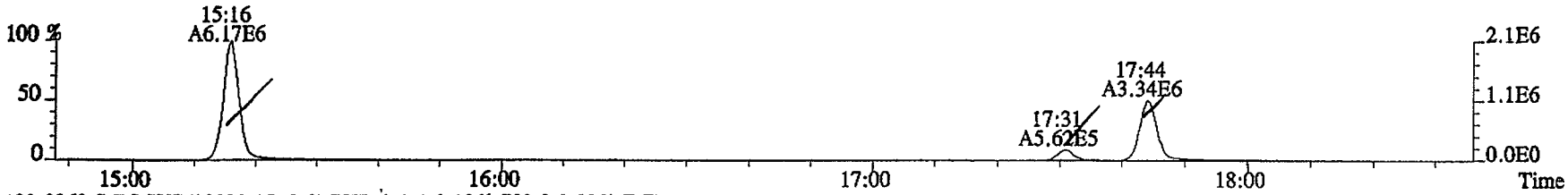
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	7.52e+07	3.17 y	1.09	15:15	0.625	0.624-0.630	13.2	66.0
13C-PCB-3	8.68e+07	3.27 y	1.24	17:43	0.726	0.723-0.731	13.3	66.7
13C-PCB-4	3.88e+07	1.57 y	0.59	18:57	0.776	0.774-0.782	12.6	63.0
13C-PCB-9	6.40e+07	1.60 y	0.90	20:38	0.845	0.842-0.850	13.6	67.9
13C-PCB-19	4.32e+07	1.07 y	0.70	22:48	0.838	0.835-0.843	14.0	69.9
13C-PCB-28	7.15e+07	1.08 y	1.09	27:18	1.004	0.998-1.008	14.8	73.9
13C-PCB-32	7.94e+07	1.05 y	1.18	25:30	0.937	0.932-0.942	15.2	76.1
13C-PCB-37	6.37e+07	1.08 y	0.93	30:52	1.135	1.128-1.140	15.5	77.4
13C-PCB-54	6.18e+07	0.81 y	1.15	26:15	0.765	0.762-0.770	13.5	67.7
13C-PCB-77	5.88e+07	0.80 y	1.01	36:58	1.077	1.071-1.081	14.7	73.3
13C-PCB-81	5.86e+07	0.80 y	0.98	36:25	1.061	1.056-1.066	15.1	75.3
13C-PCB-95	3.64e+07	1.58 y	0.73	33:26	0.914	0.910-0.920	16.3	81.6
13C-PCB-101	3.61e+07	1.58 y	0.73	34:59	0.956	0.952-0.962	16.1	80.4
13C-PCB-104	4.77e+07	1.56 y	0.93	30:33	0.835	0.832-0.840	16.6	83.2
13C-PCB-105	4.35e+07	1.60 y	1.09	40:03	0.962	0.957-0.967	19.3	96.6
13C-PCB-114	4.22e+07	1.61 y	1.13	39:16	0.944	0.938-0.948	18.1	90.3
13C-PCB-118	4.51e+07	1.57 y	0.98	38:40	1.057	1.053-1.063	14.9	74.7
13C-PCB-123	4.02e+07	1.58 y	0.87	38:30	1.053	1.048-1.058	14.9	74.7
13C-PCB-126	4.28e+07	1.60 y	1.06	42:06	1.012	1.006-1.016	19.5	97.7
13C-PCB-153	3.86e+07	1.31 y	1.12	40:11	0.966	0.961-0.971	16.7	83.3
13C-PCB-155	4.32e+07	1.31 y	0.97	34:33	0.830	0.827-0.835	14.5	72.3
13C-PCB-156	4.83e+07	1.25 y	1.24	44:34	1.071	1.066-1.076	18.7	93.7
13C-PCB-157	5.03e+07	1.27 y	1.33	44:49	1.077	1.072-1.082	18.2	91.2
13C-PCB-167	4.45e+07	1.28 y	1.28	43:25	1.043	1.038-1.048	16.7	83.6
13C-PCB-169	4.68e+07	1.26 y	1.26	46:47	1.125	1.118-1.130	17.9	89.5
13C-PCB-170	1.88e+07	0.46 y	0.56	47:06	1.132	1.125-1.137	16.3	81.6
13C-PCB-180	2.23e+07	0.46 y	0.65	45:44	1.099	1.094-1.104	16.5	82.4
13C-PCB-188	2.89e+07	0.46 y	0.92	39:49	0.957	0.952-0.962	15.1	75.3
13C-PCB-189	3.82e+07	0.45 y	0.85	48:30	1.166	1.158-1.170	21.8	109
13C-PCB-194	3.26e+07	0.92 y	0.71	49:53	0.995	0.990-1.000	13.4	67.2
13C-PCB-202	3.38e+07	0.92 y	1.02	44:43	1.075	1.070-1.080	16.1	80.4
13C-PCB-206	3.25e+07	0.78 y	0.65	51:19	1.024	1.019-1.029	14.7	73.7
13C-PCB-208	3.88e+07	0.78 y	0.94	49:11	0.981	0.977-0.987	12.2	60.8
13C-PCB-209	4.31e+07	1.20 y	0.97	52:32	1.048	1.044-1.054	13.0	65.1
13C-PCB-15	1.05e+08	1.56 y	1.00	24:25			20.0	-
13C-PCB-31	8.84e+07	1.07 y	1.00	27:12			20.0	-
13C-PCB-60	7.95e+07	0.79 y	1.00	34:19			20.0	-
13C-PCB-111	6.15e+07	1.55 y	1.00	36:34			20.0	-
13C-PCB-138	4.14e+07	1.28 y	1.00	41:36			20.0	-
13C-PCB-205	6.82e+07	0.91 y	1.00	50:08			20.0	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	6.08e+07	0.79	y	29:30	0.82	25.4	102
13C-PCB-178	2.31e+07	0.46	y	42:21	0.90	23.0	92.1

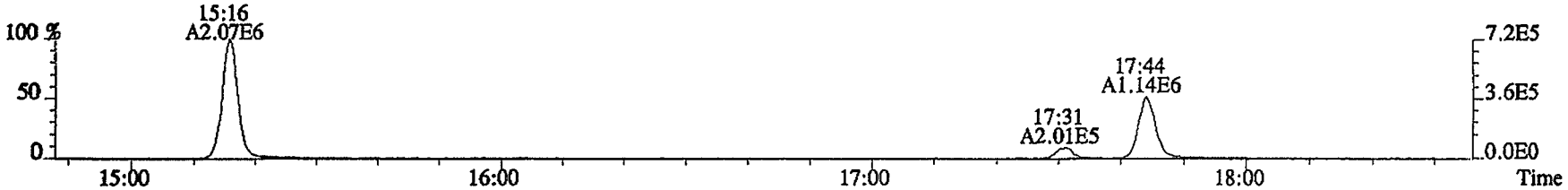
Integrations by
Analyst: [signature]

Date: 5-20-04

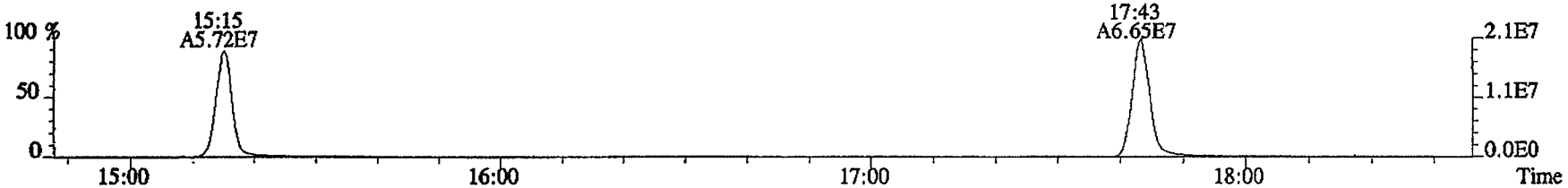
File:040519E1 #1-728 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
188.0393 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1548.0,0.00%,F,F)



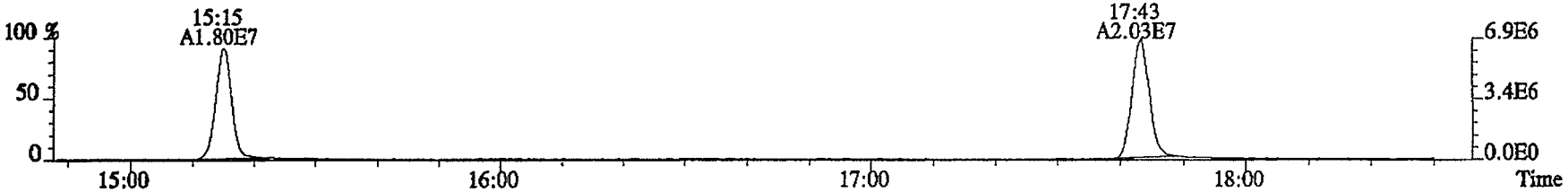
190.0363 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



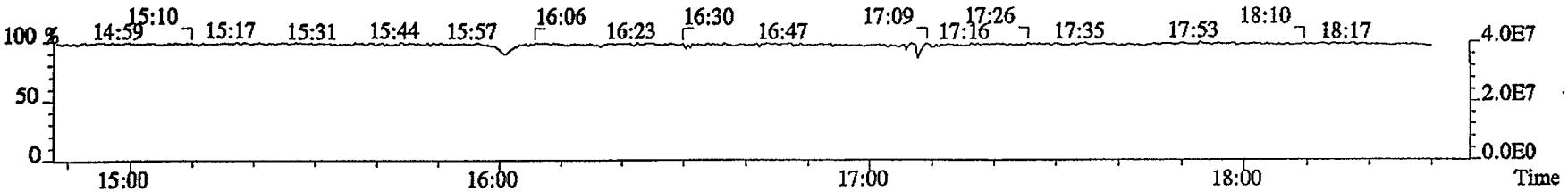
200.0795 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3128.0,0.00%,F,F)



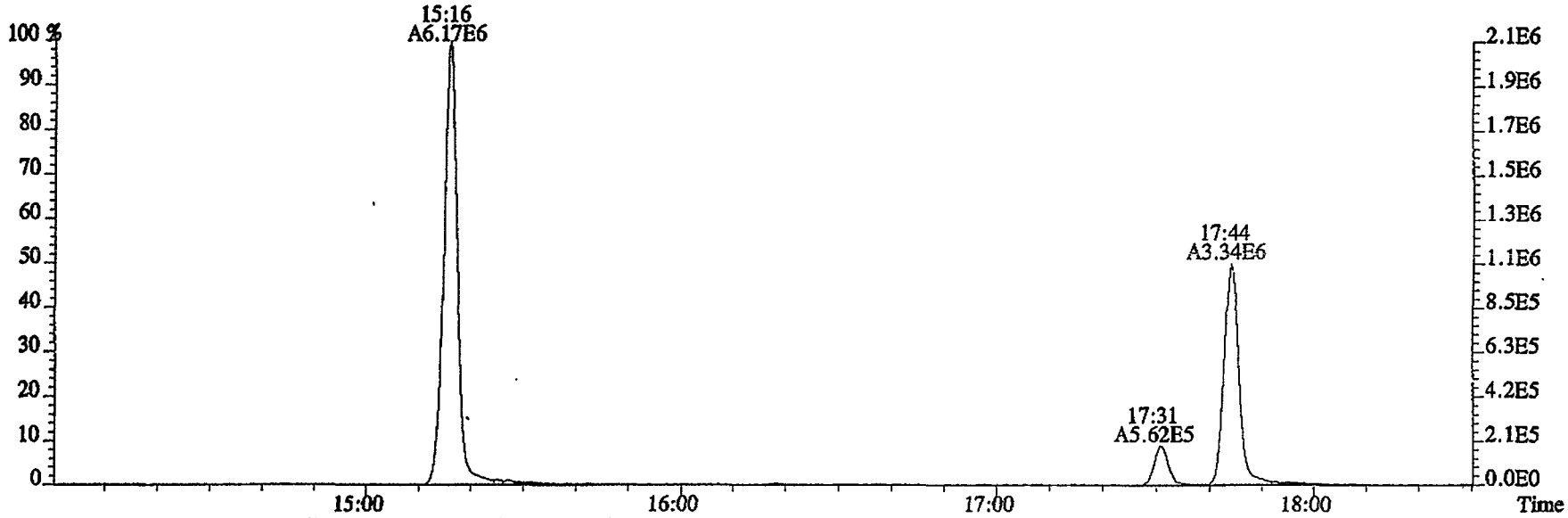
202.0766 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,48740.0,0.00%,F,F)



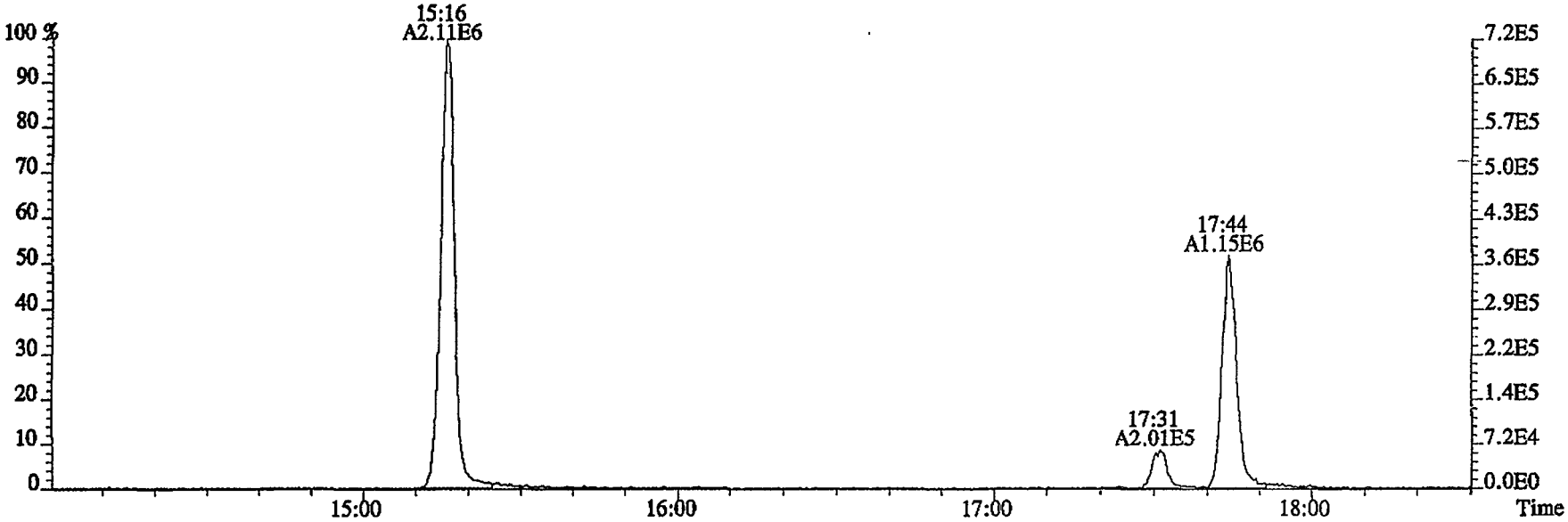
180.9880 S:7



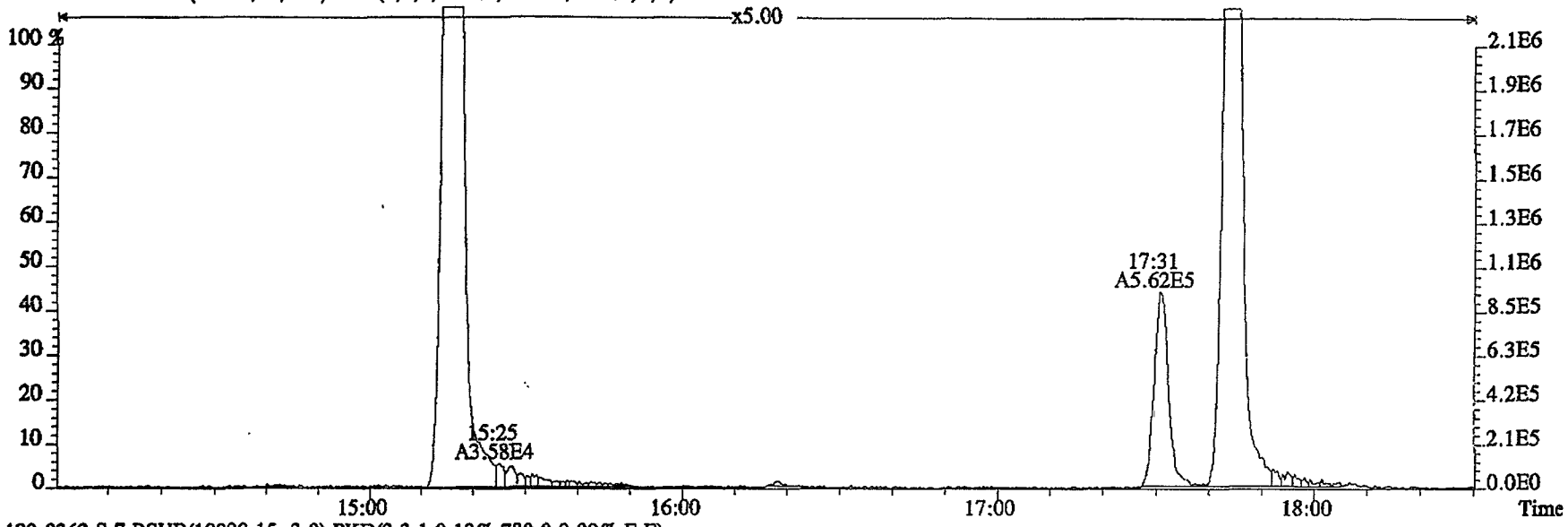
File:040519B1 #1-728 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
188.0393 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1548.0,0.00%,F,F)



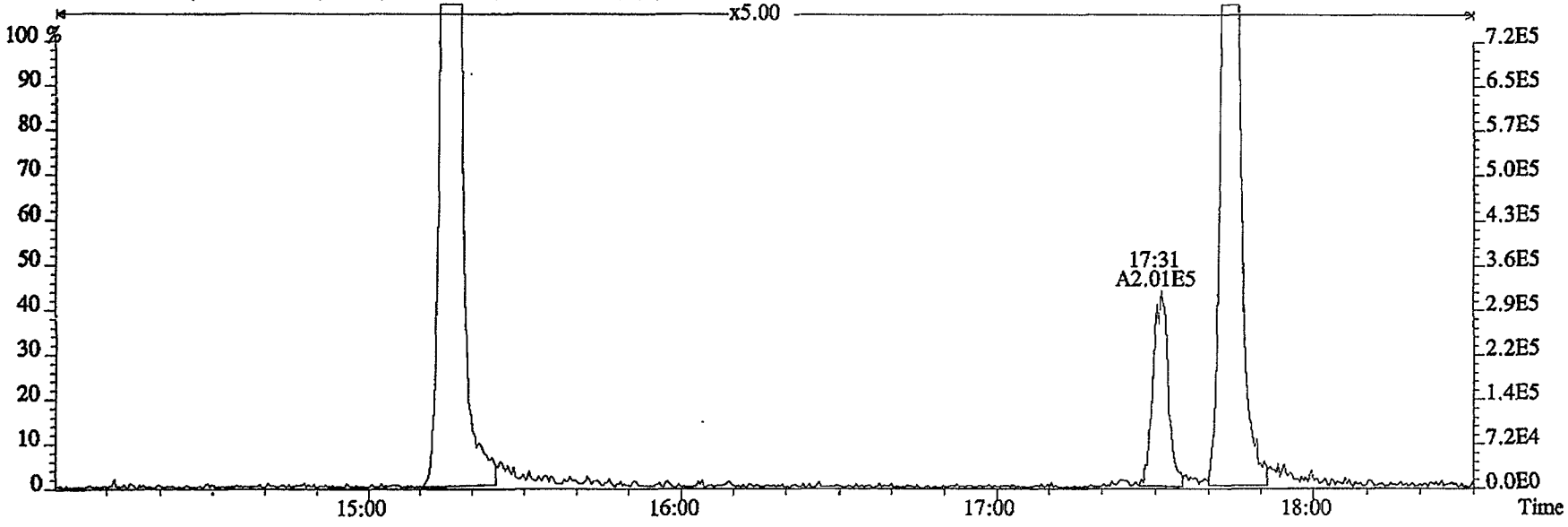
190.0363 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



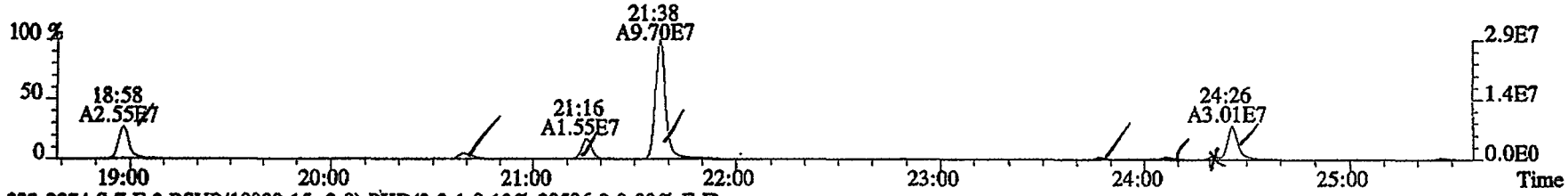
File:040519E1 #1-728 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
188.0393 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1548.0,0.00%,F,F)



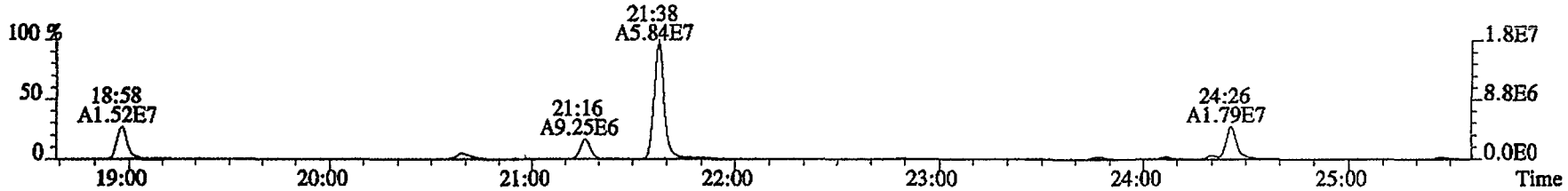
190.0363 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



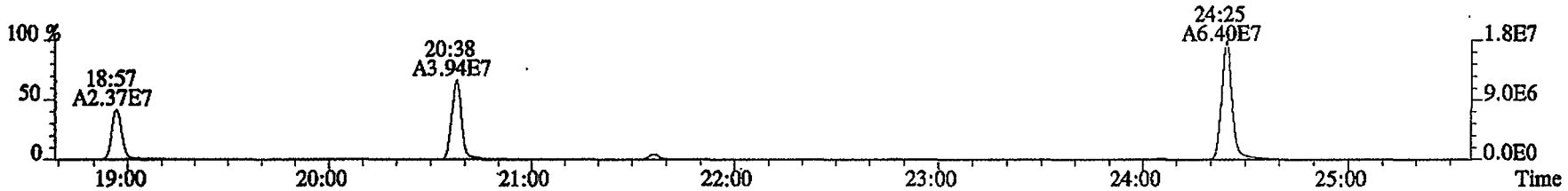
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5044.0,0.00%,F,F)



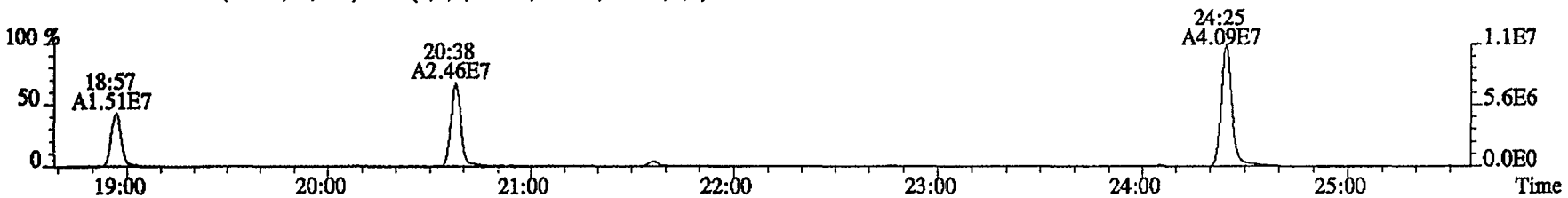
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29596.0,0.00%,F,F)



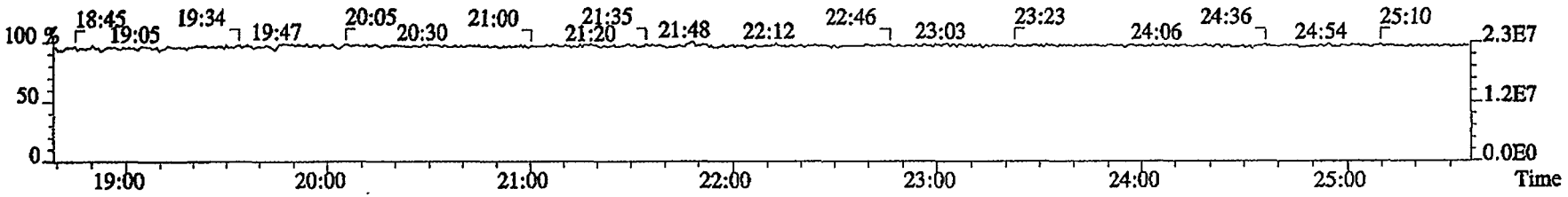
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,872.0,0.00%,F,F)



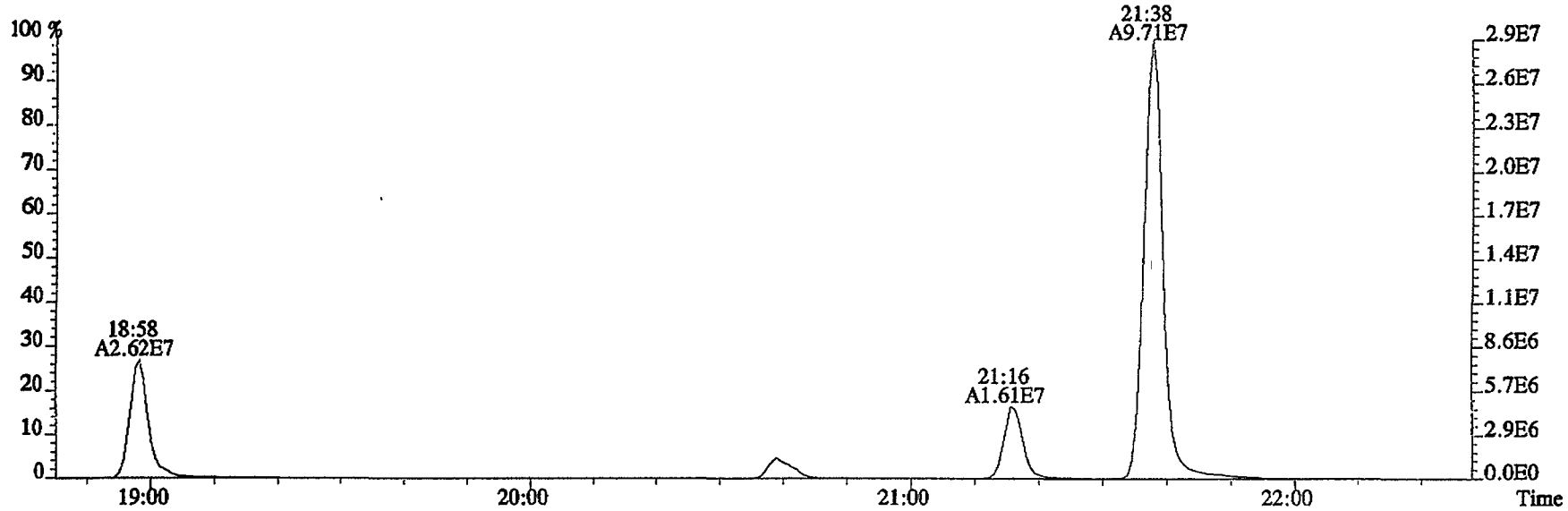
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1636.0,0.00%,F,F)



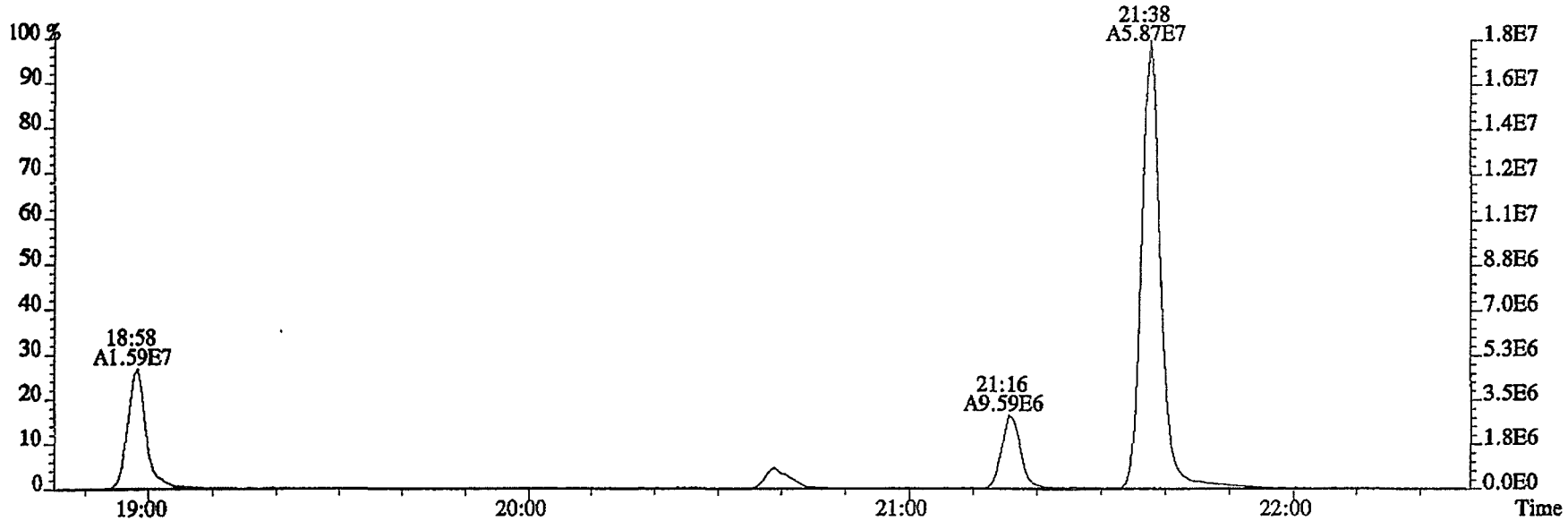
230.9856 S:7 F:2



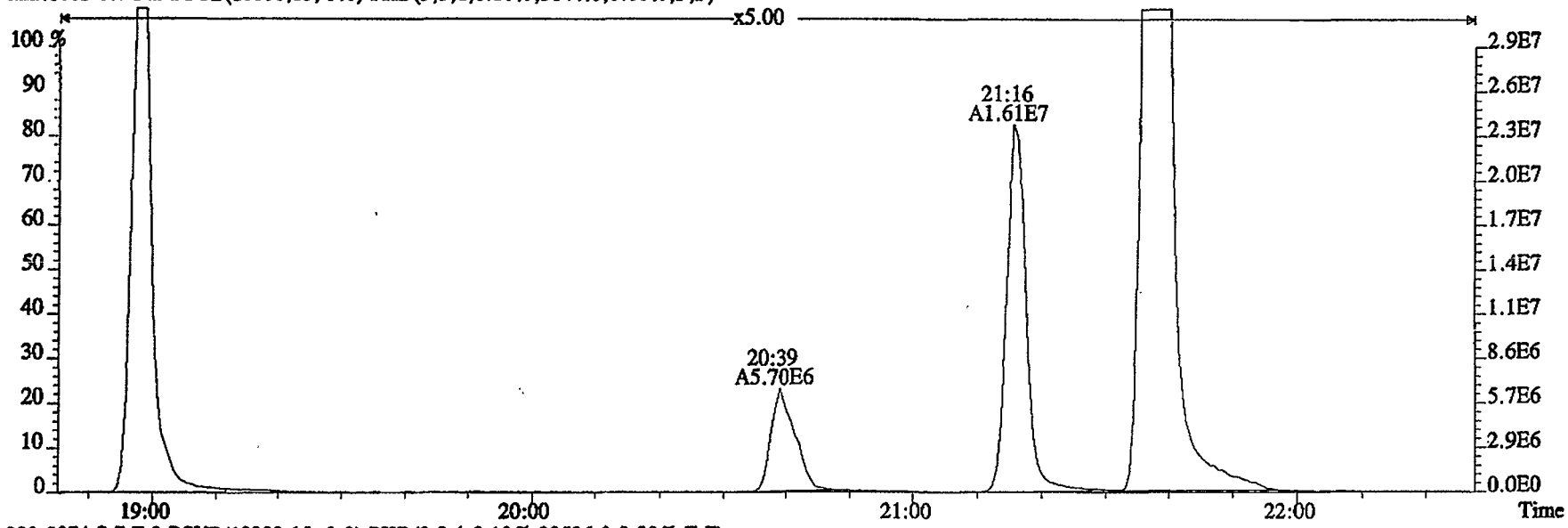
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5044.0,0.00%,F,F)



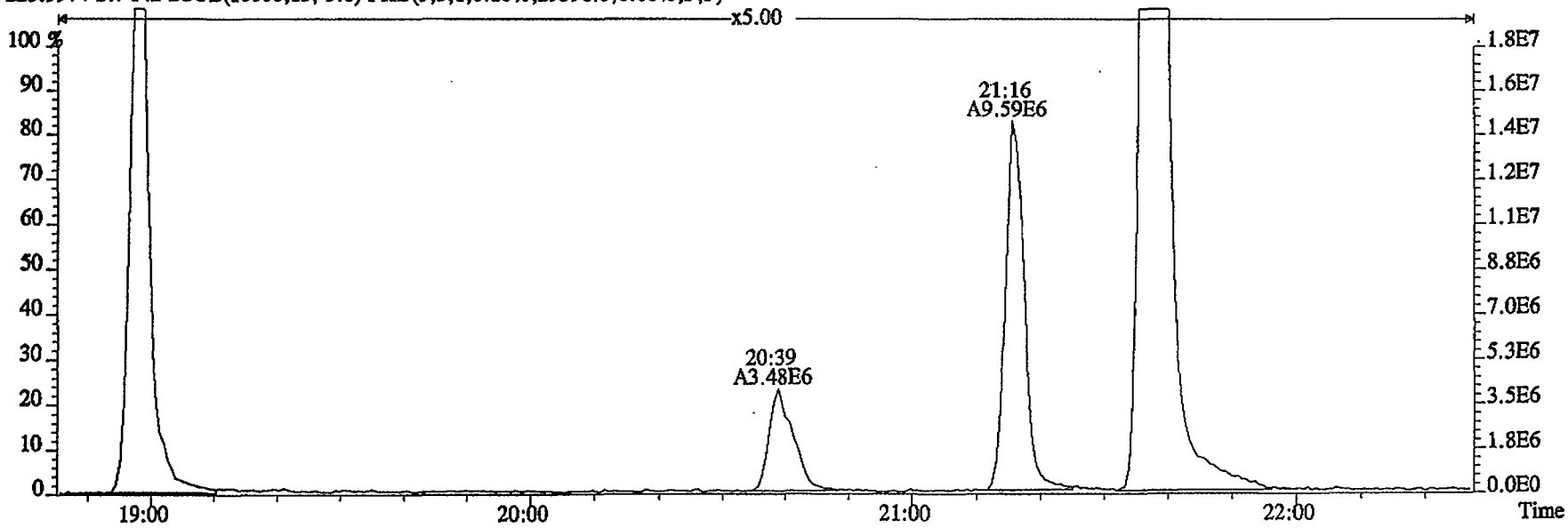
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29596.0,0.00%,F,F)



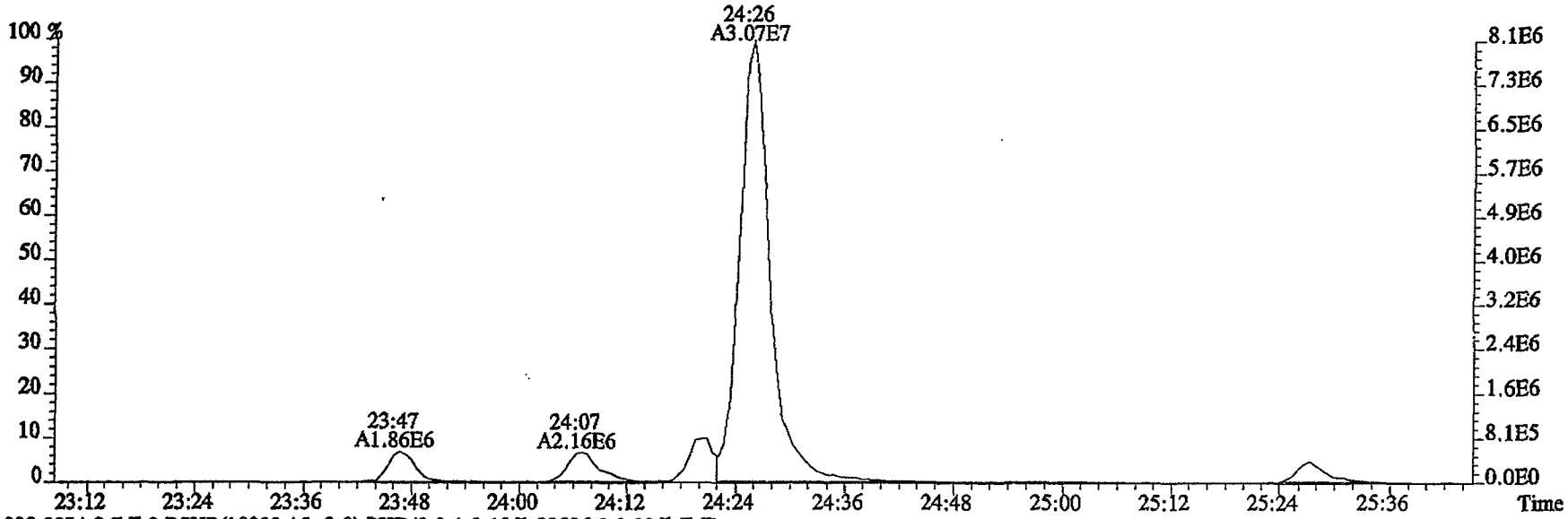
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5044.0,0.00%,F,F)



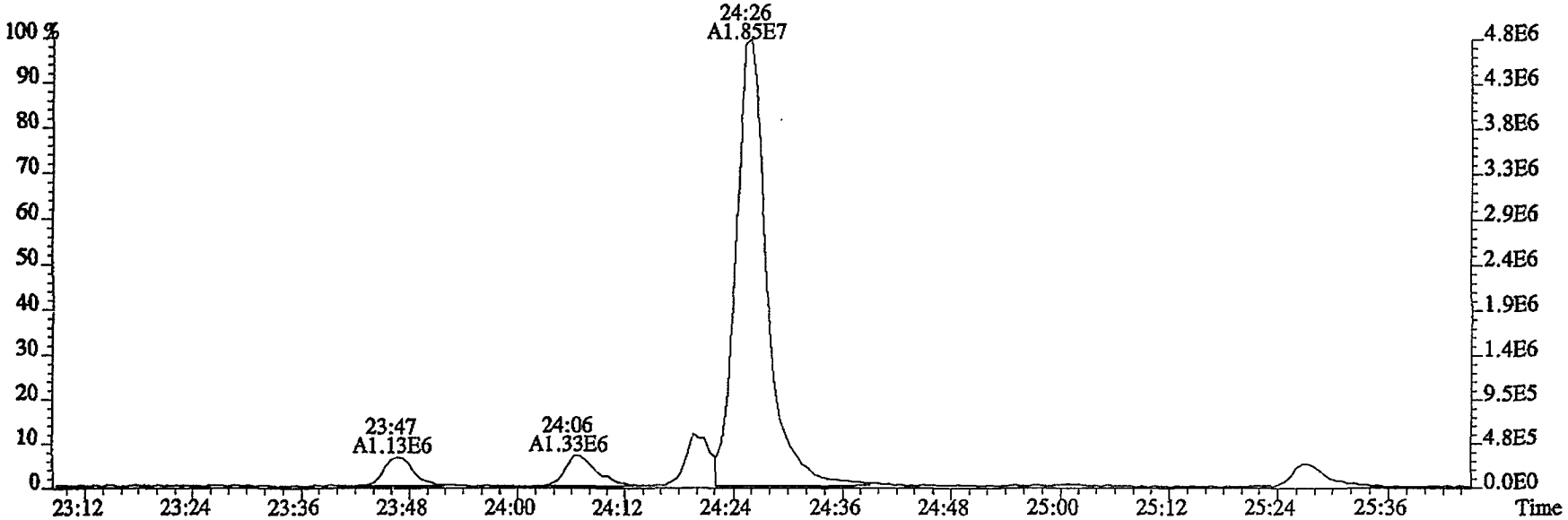
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29596.0,0.00%,F,F)



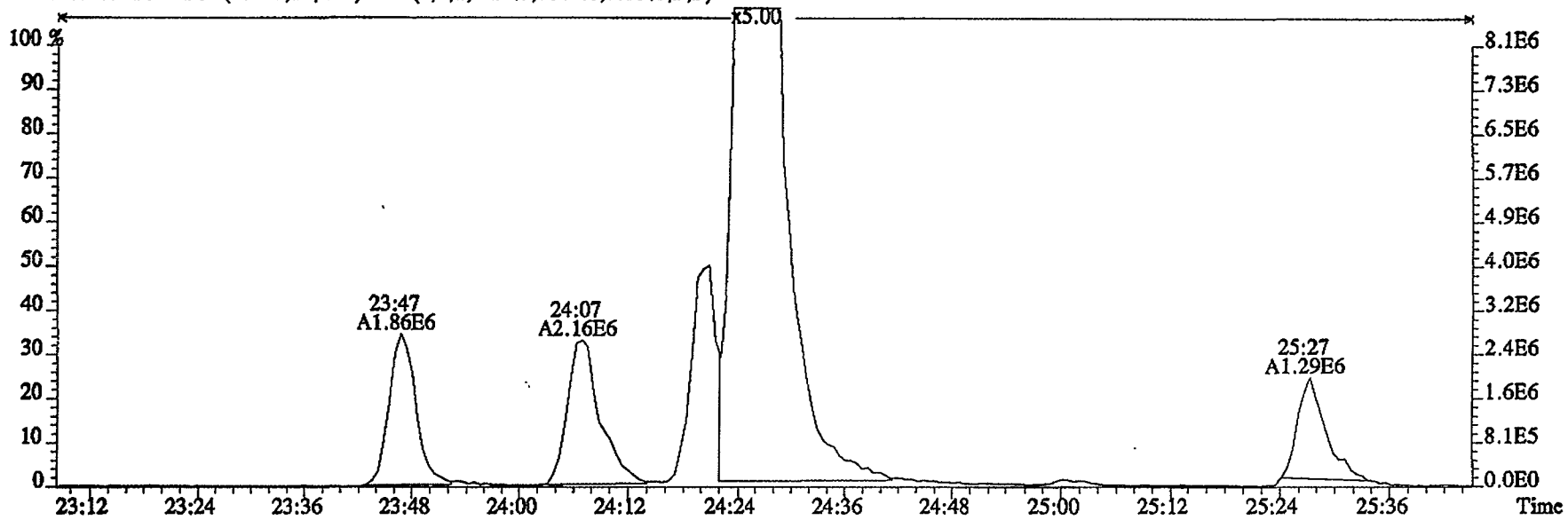
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5044.0,0.00%,F,F)



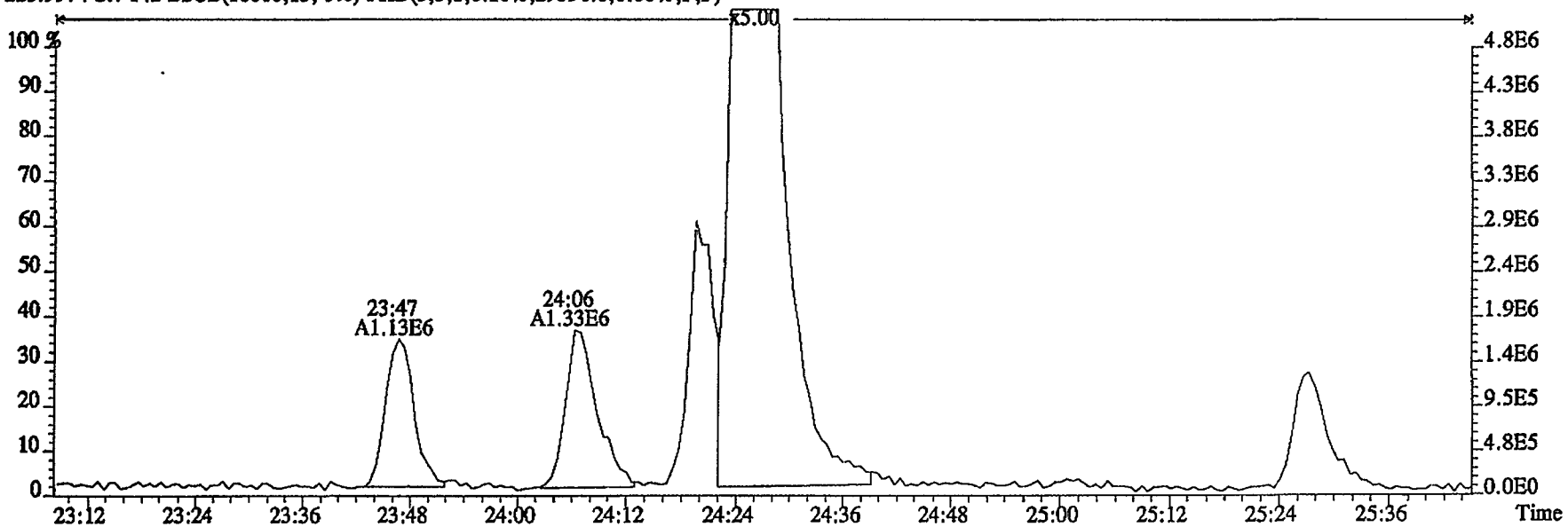
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29596.0,0.00%,F,F)



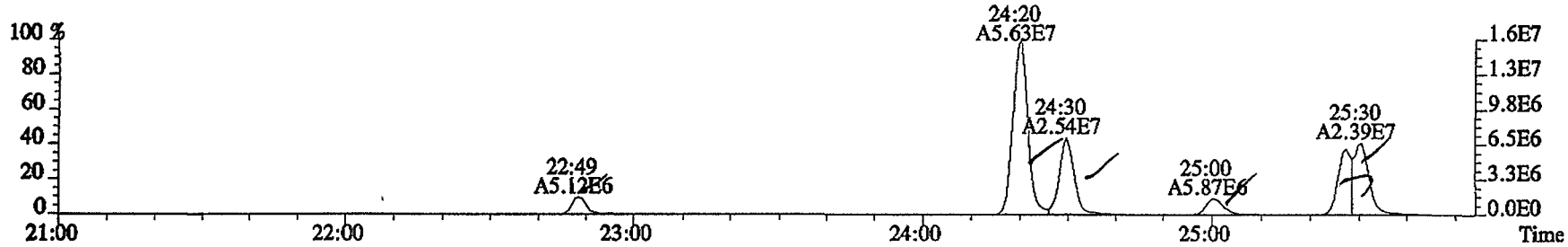
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5044.0,0.00%,F,F)



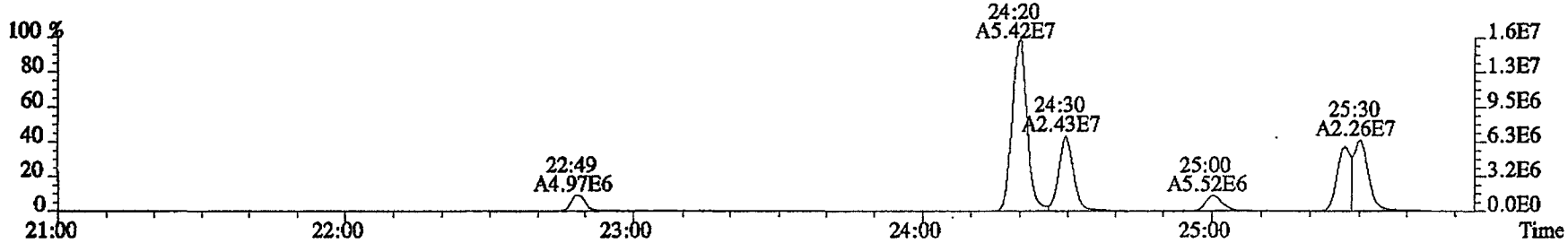
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29596.0,0.00%,F,F)



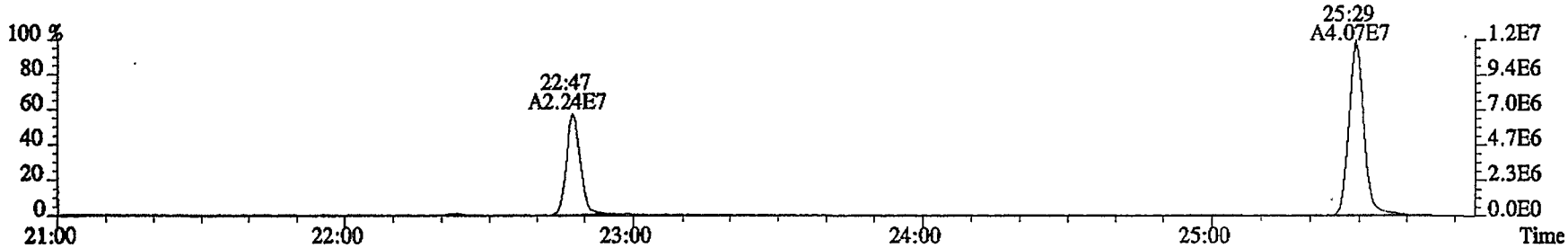
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1616.0,0.00%,F,F)



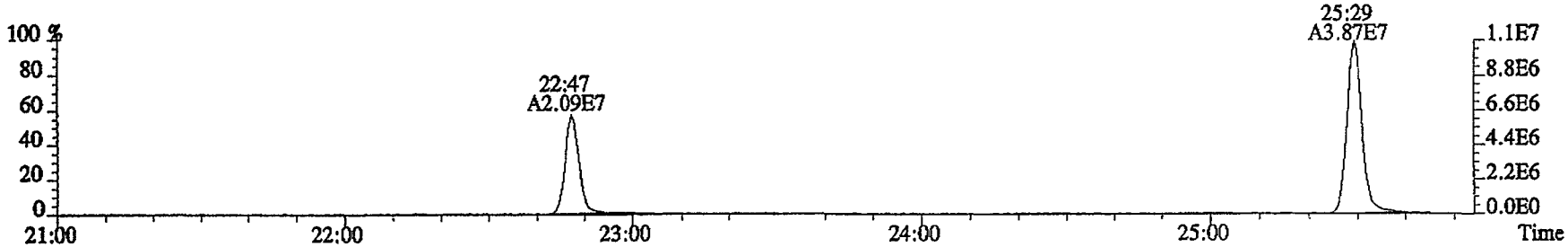
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,164.0,0.00%,F,F)



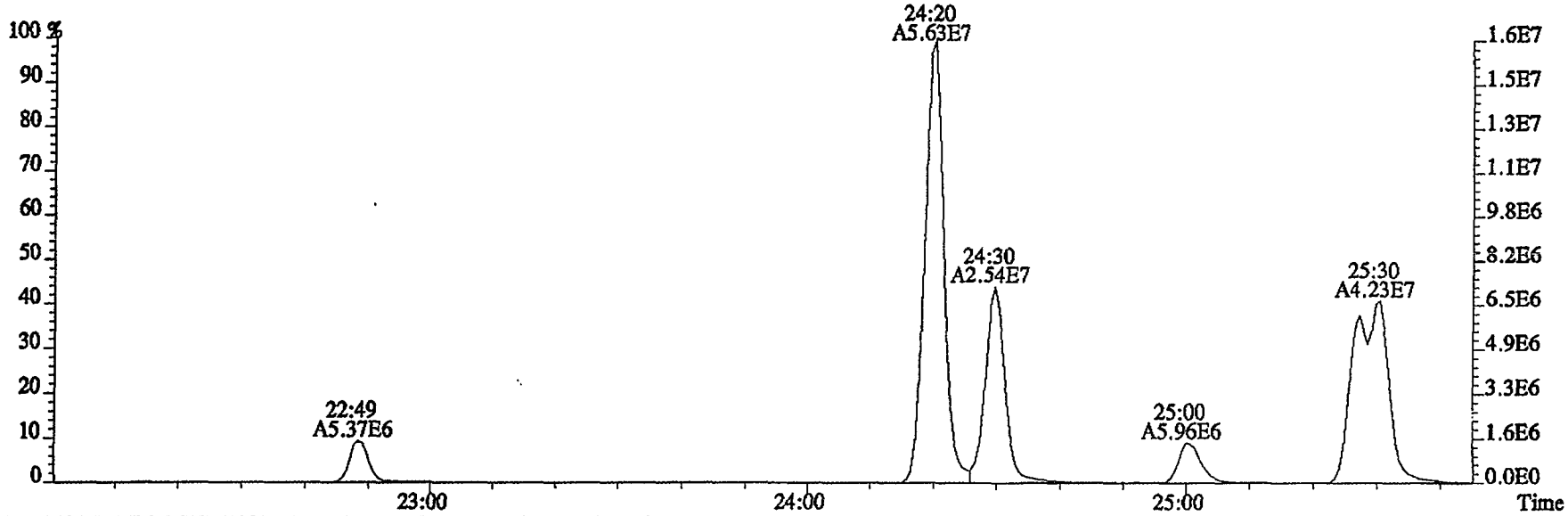
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,37960.0,0.00%,F,F)



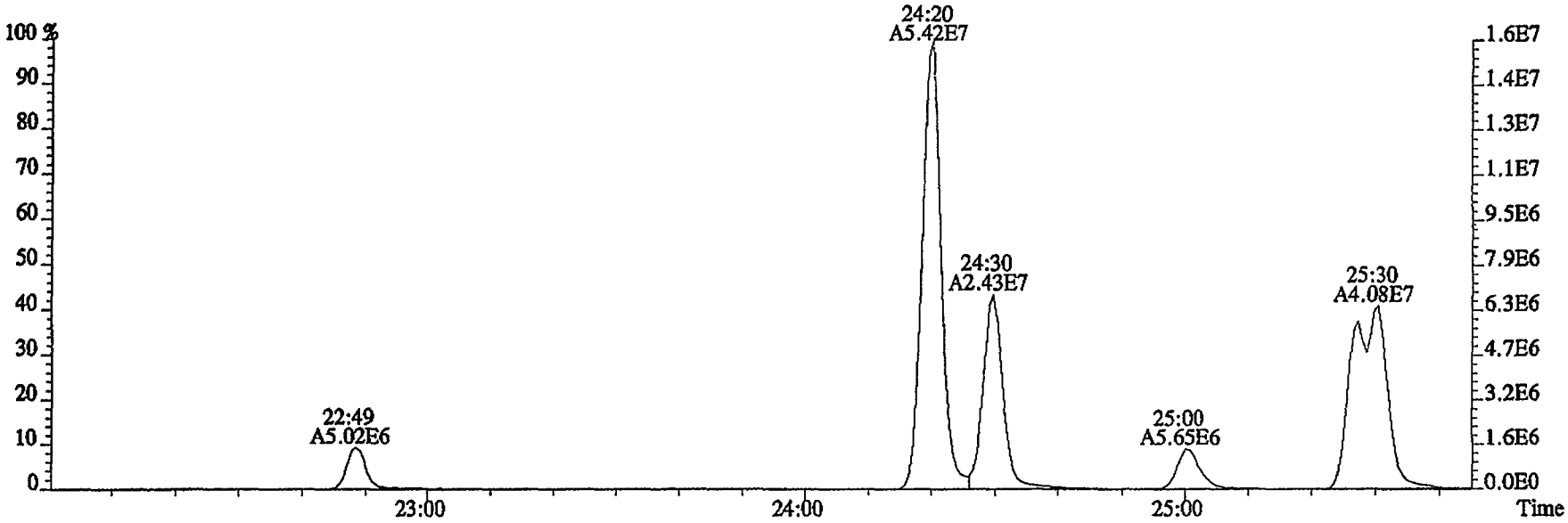
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,21580.0,0.00%,F,F)



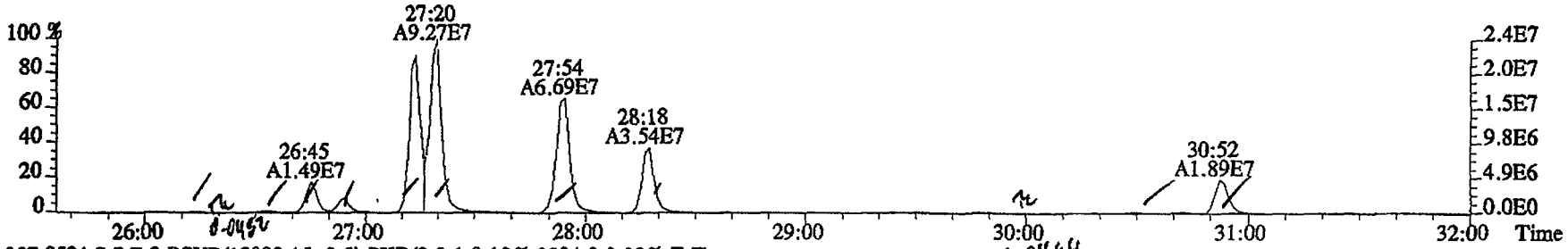
File:040519E1 #1-686 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1616.0,0.00%,F,F)



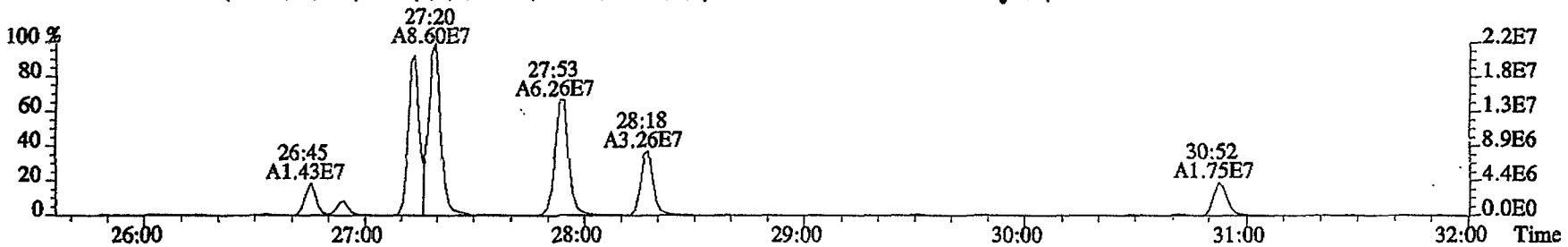
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,164.0,0.00%,F,F)



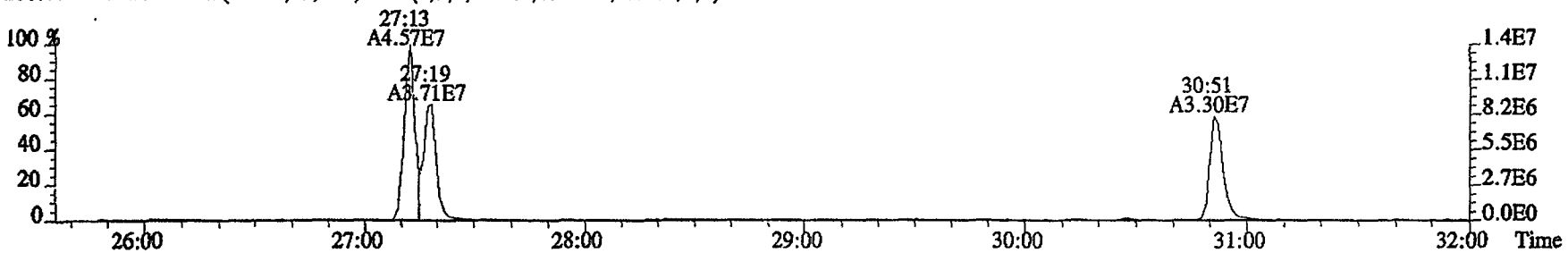
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



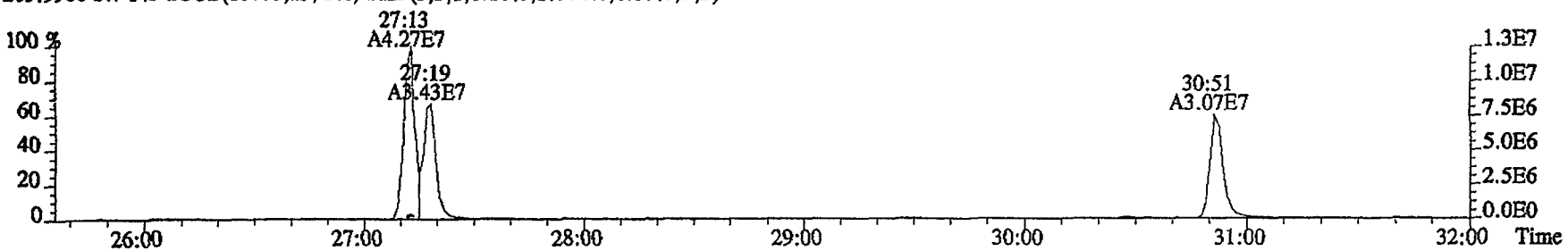
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



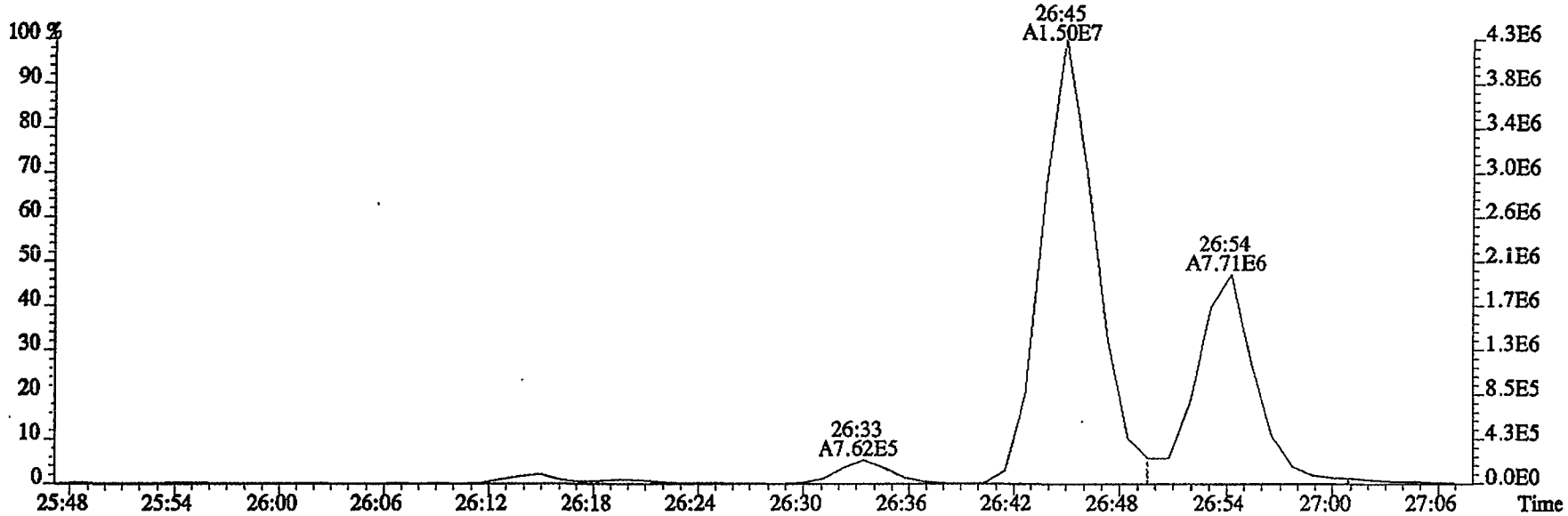
268.0016 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,40728.0,0.00%,F,F)



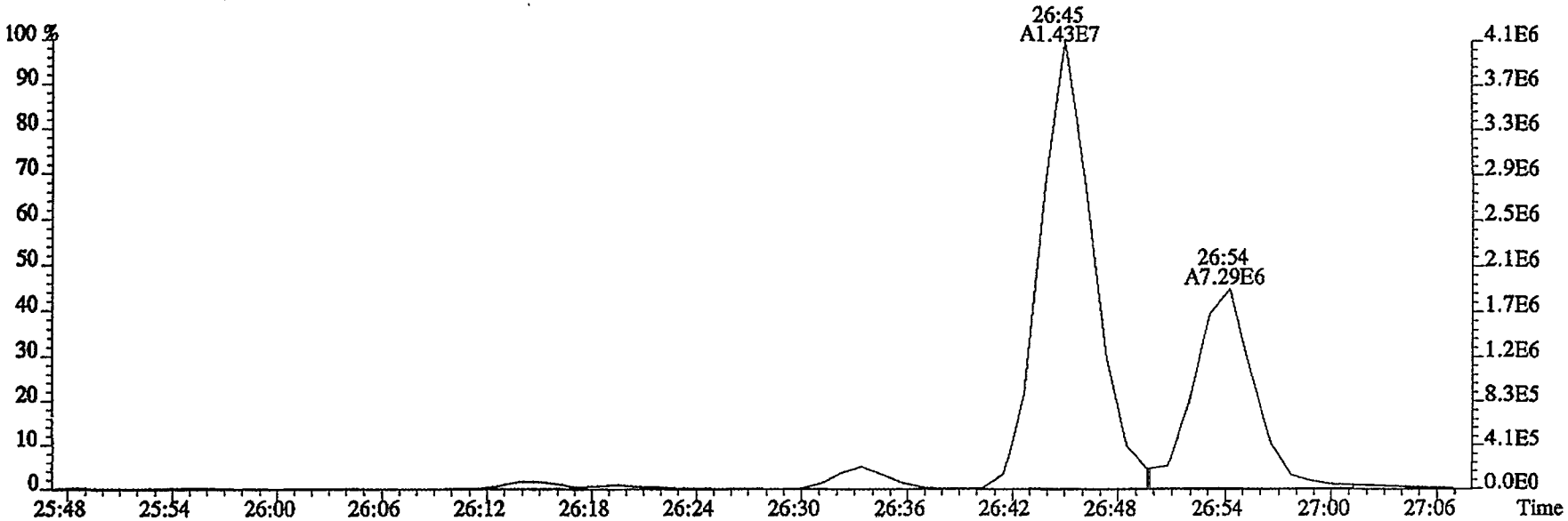
269.9986 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17596.0,0.00%,F,F)



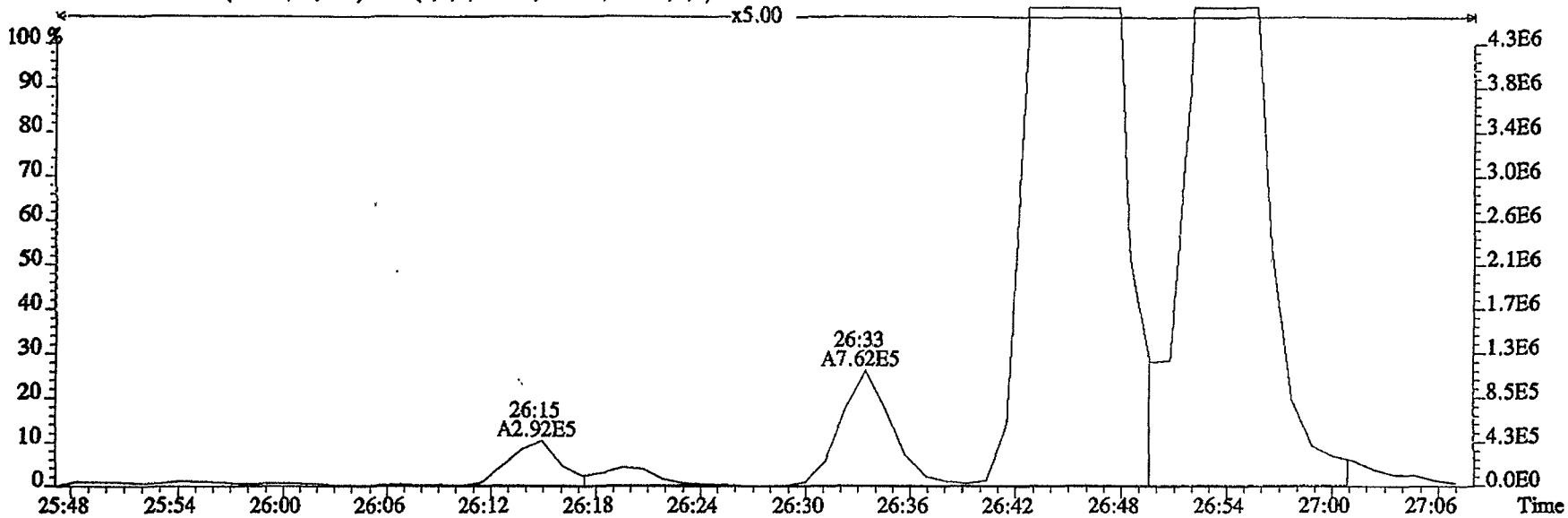
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



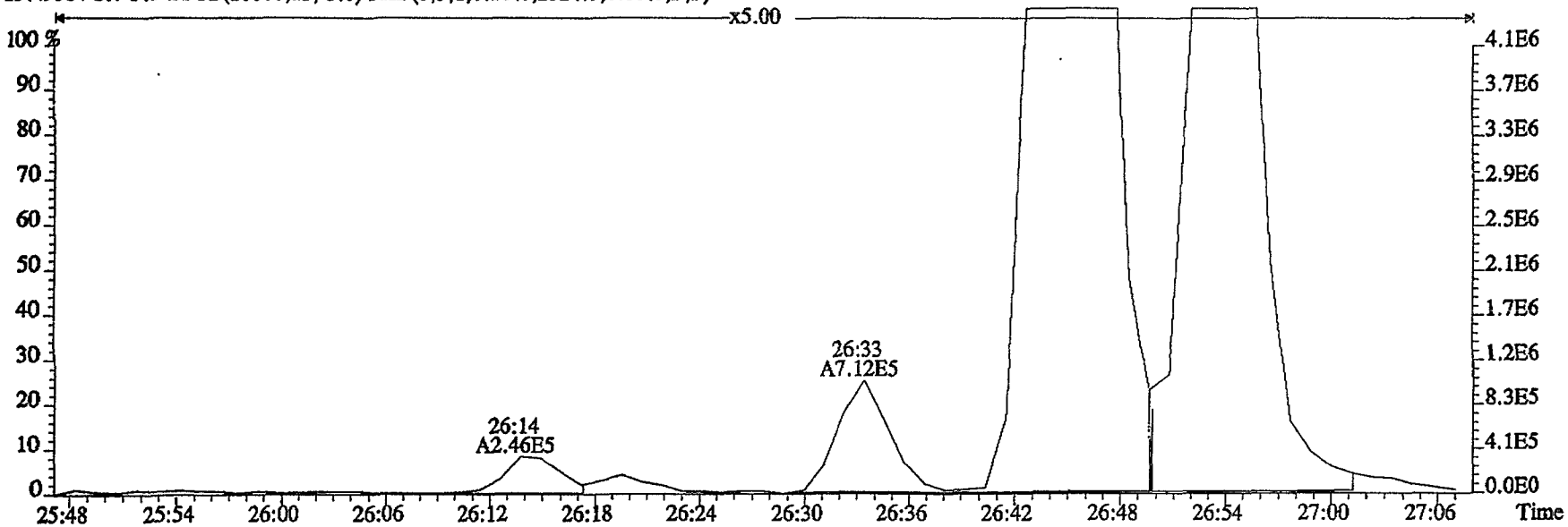
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
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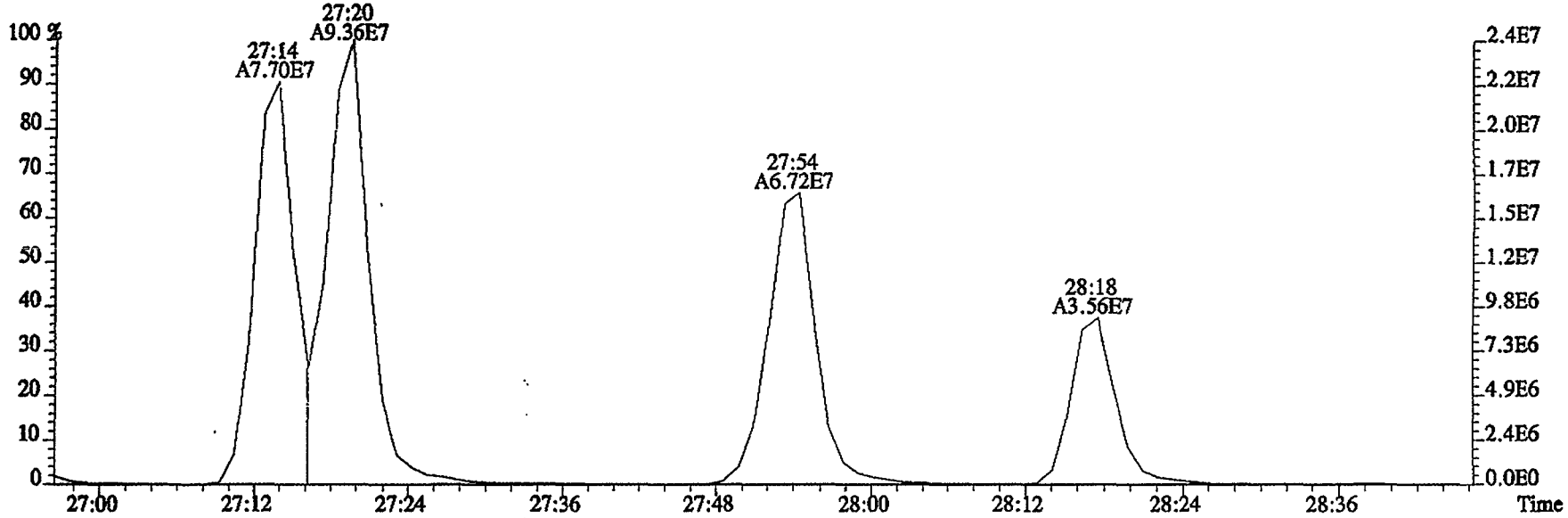
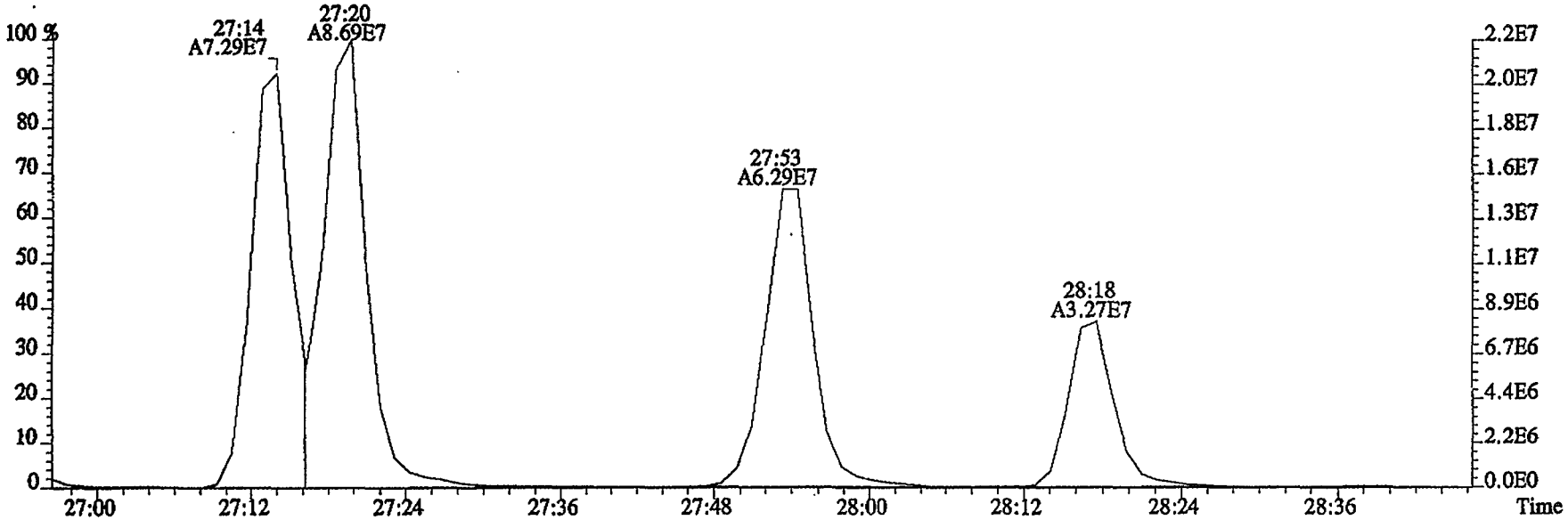
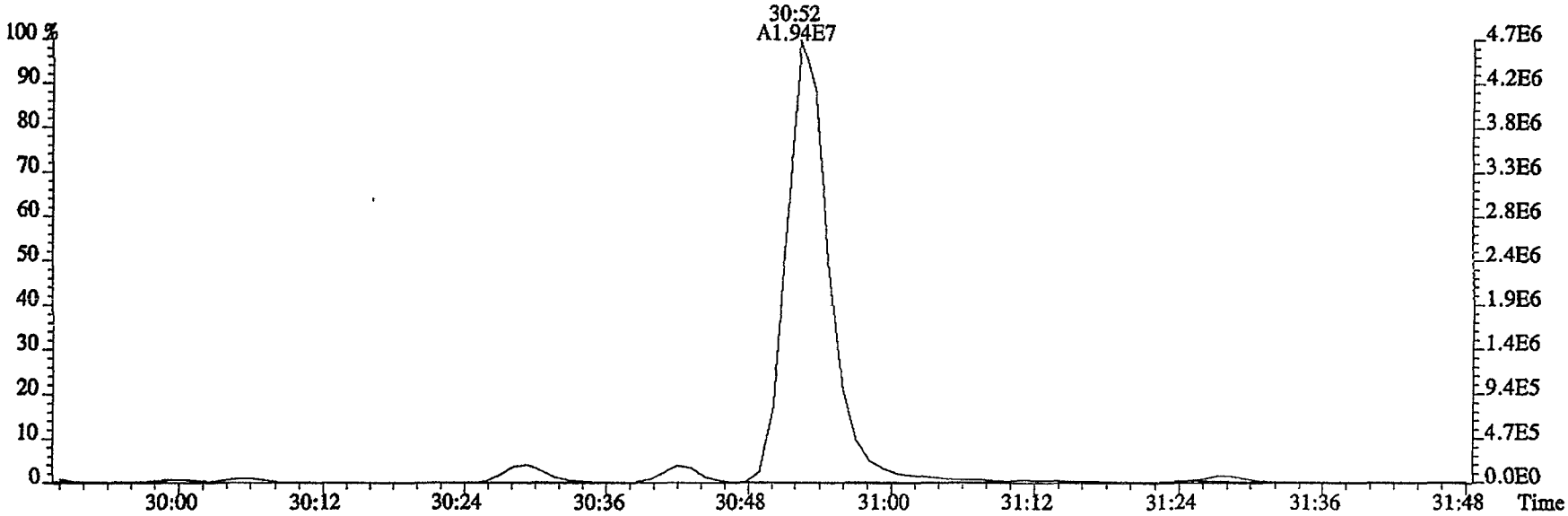


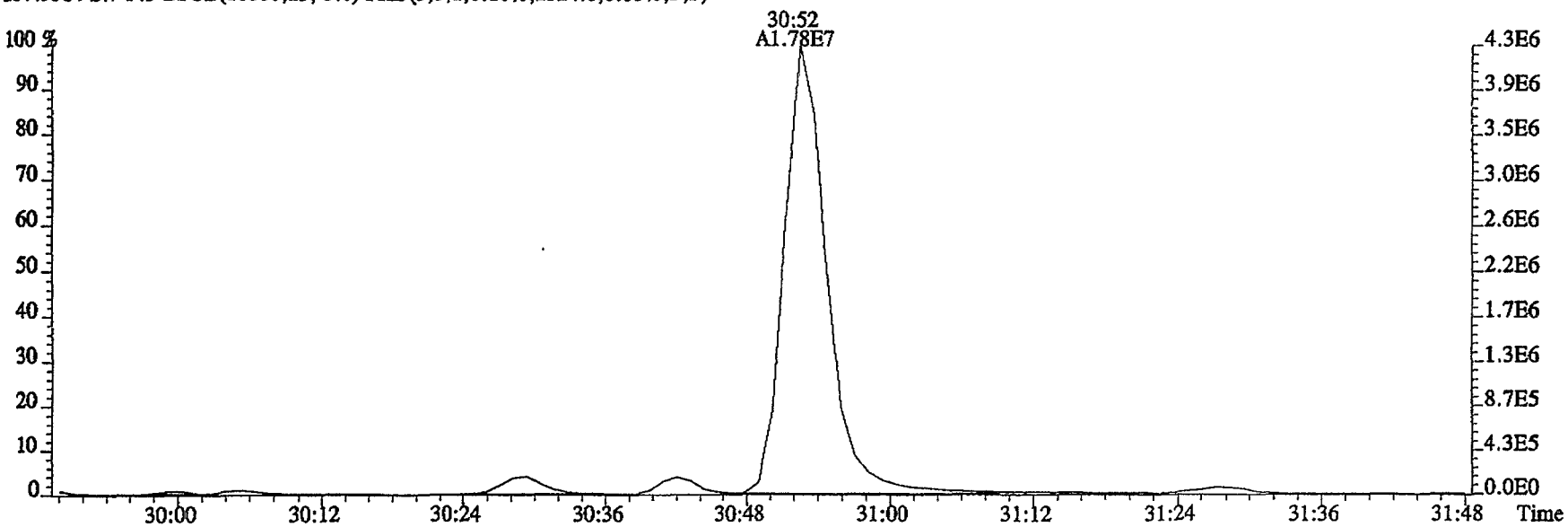
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



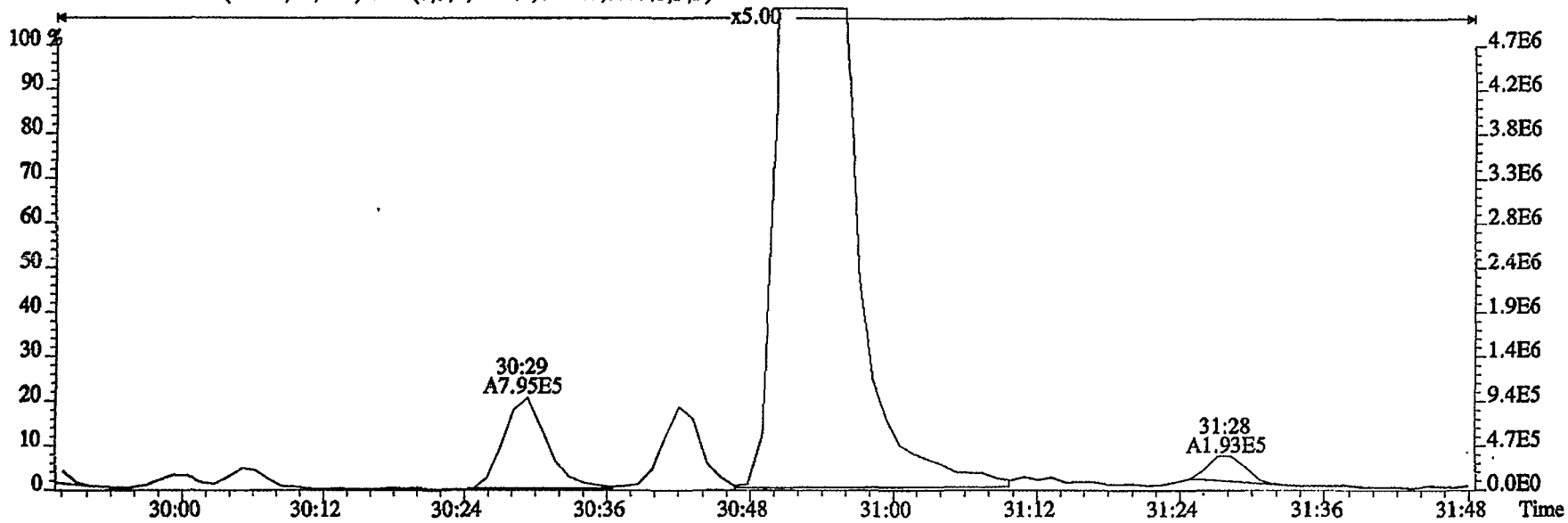
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



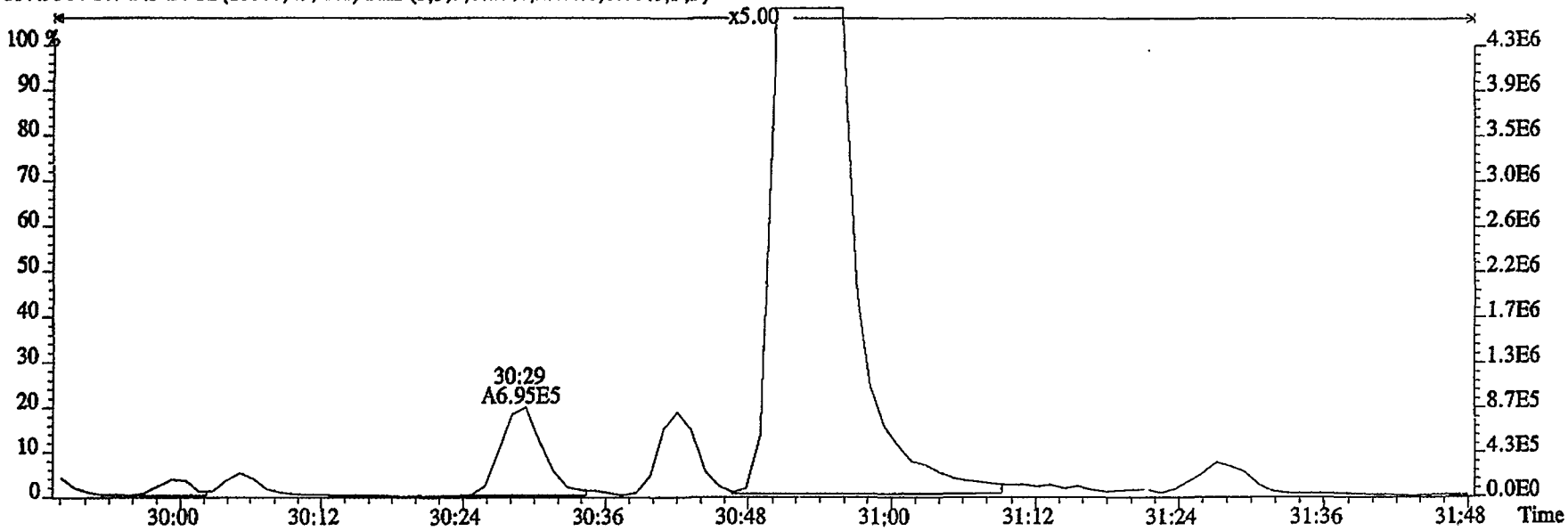
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



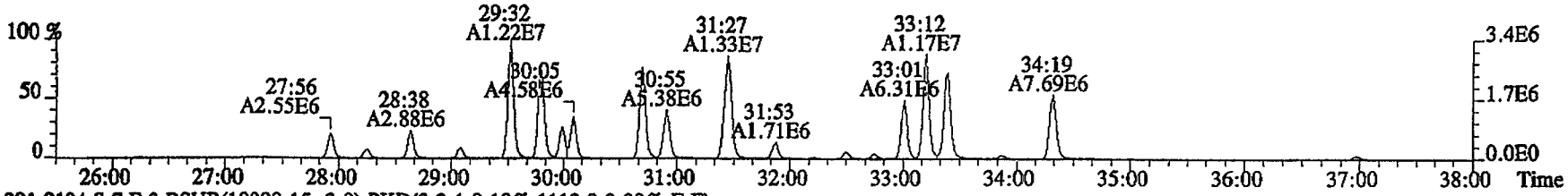
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,F)



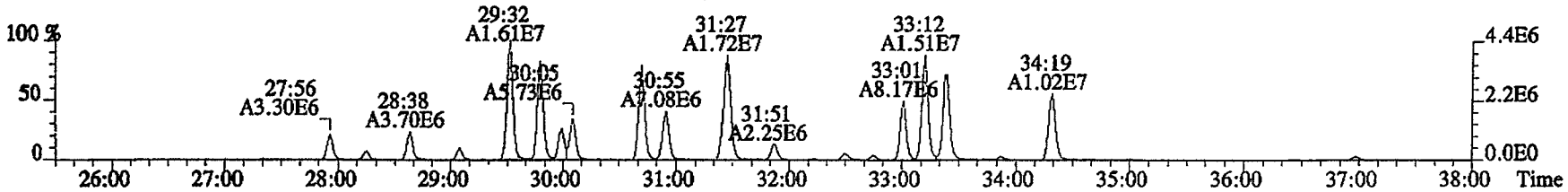
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,F)



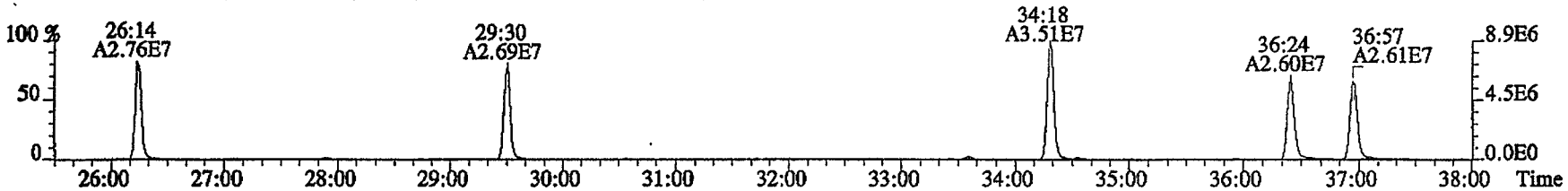
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,964.0,0.00%,F,F)



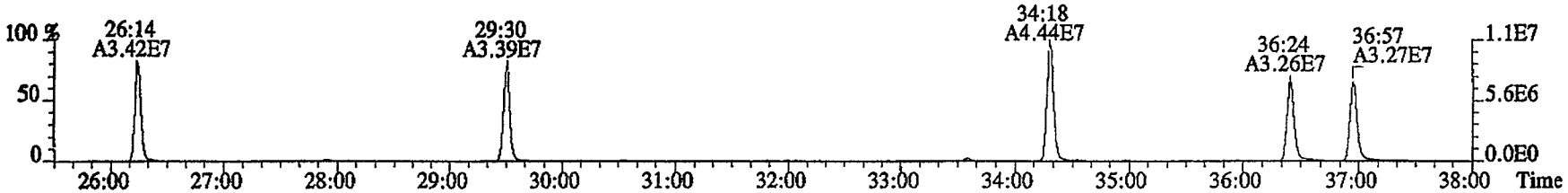
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1112.0,0.00%,F,F)



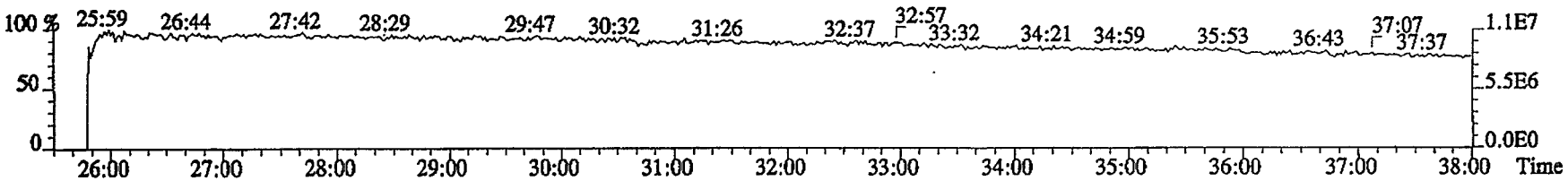
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1156.0,0.00%,F,F)



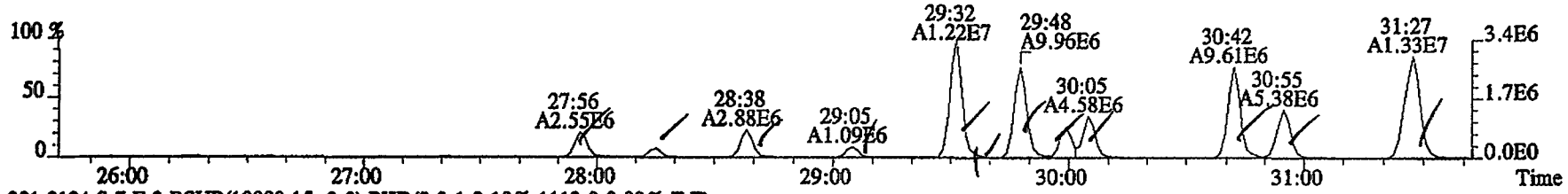
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1988.0,0.00%,F,F)



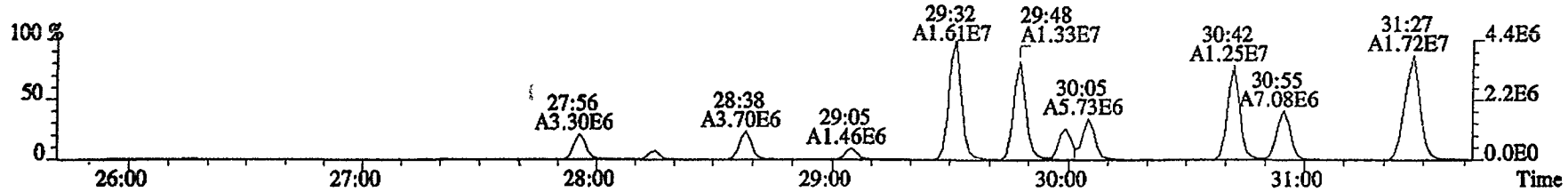
330.9792 S:7 F:3



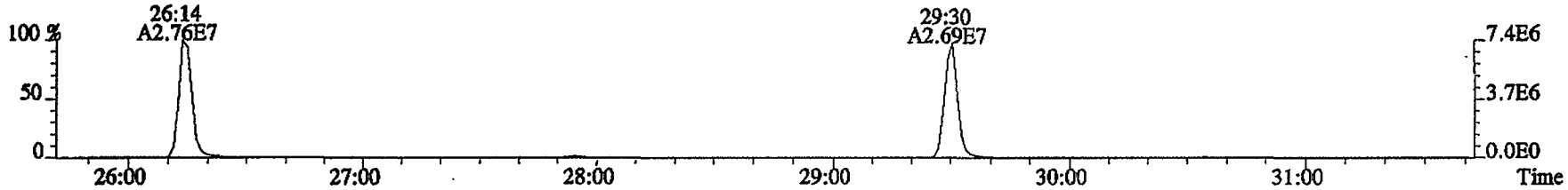
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,964.0,0.00%,F,F)



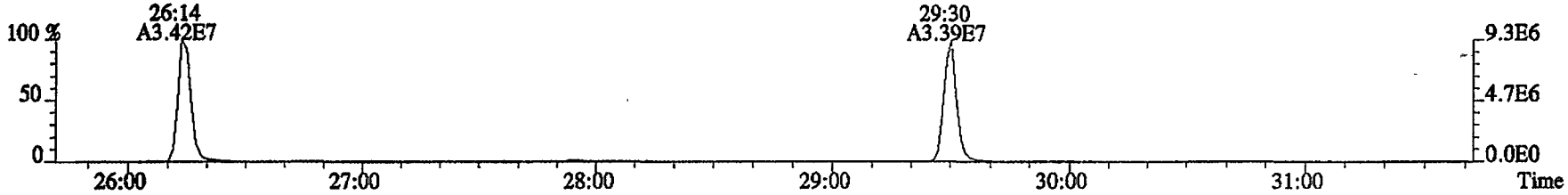
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1112.0,0.00%,F,F)



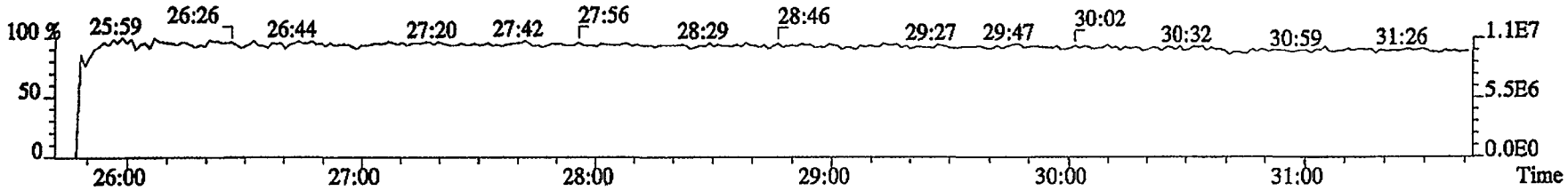
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1156.0,0.00%,F,F)



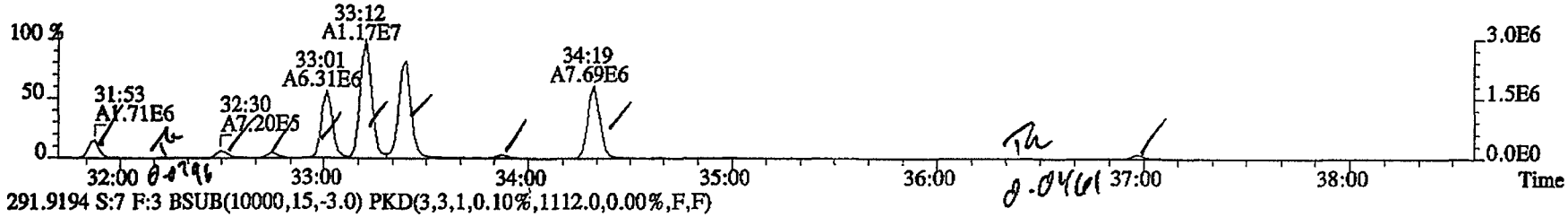
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1988.0,0.00%,F,F)



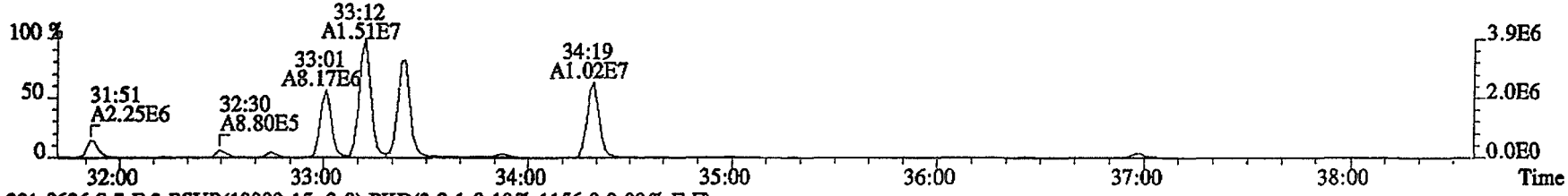
330.9792 S:7 F:3



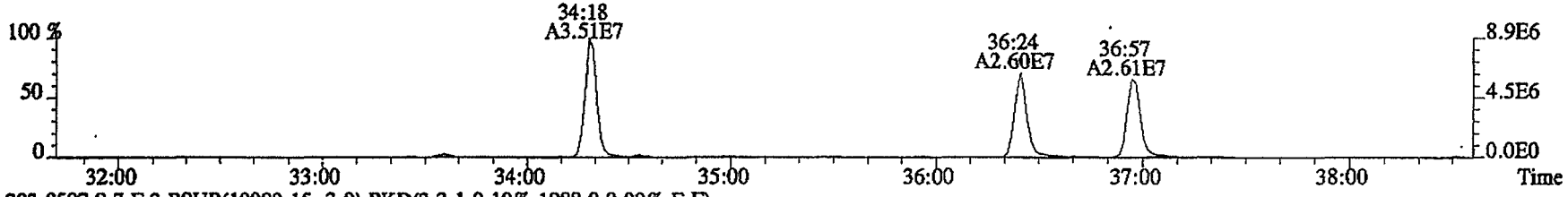
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,964.0,0.00%,F,F)



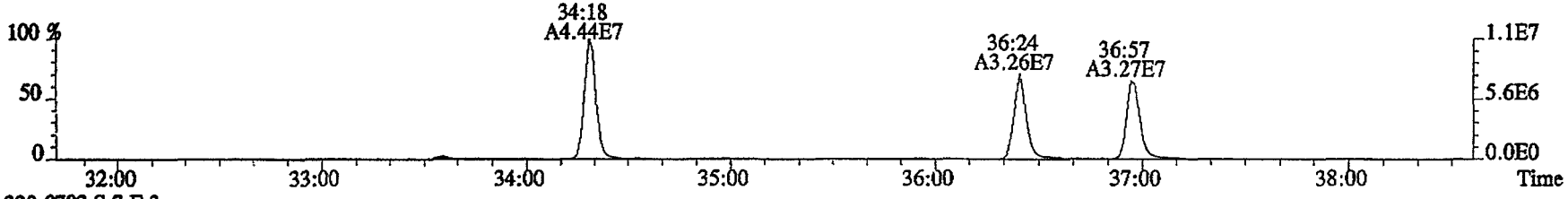
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1112.0,0.00%,F,F)



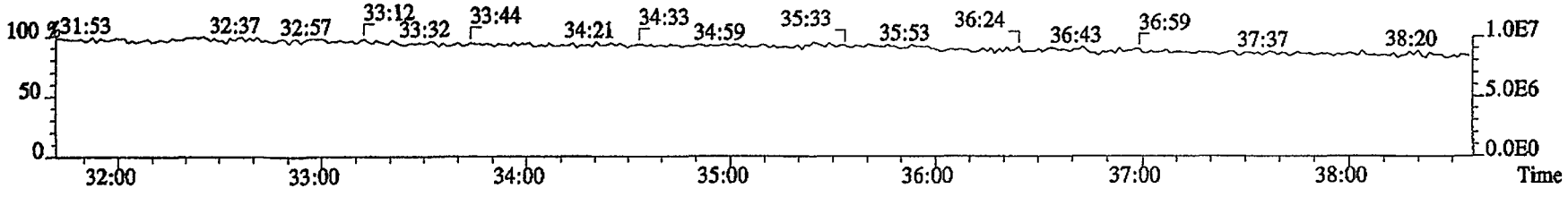
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1156.0,0.00%,F,F)



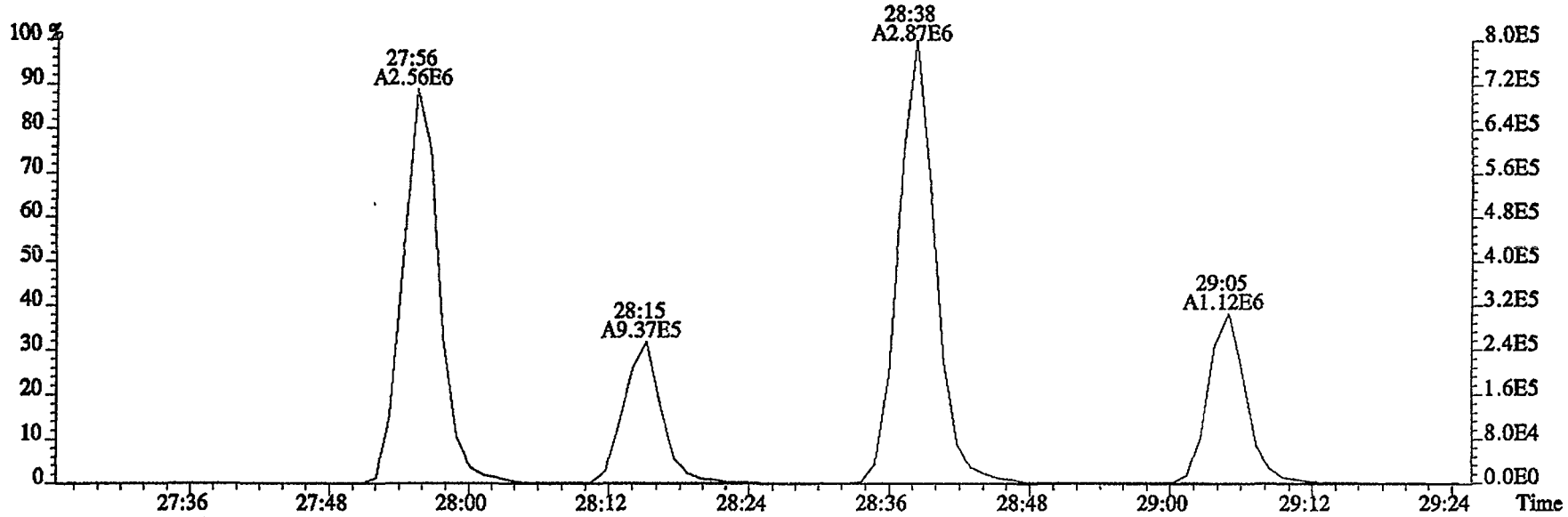
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1988.0,0.00%,F,F)



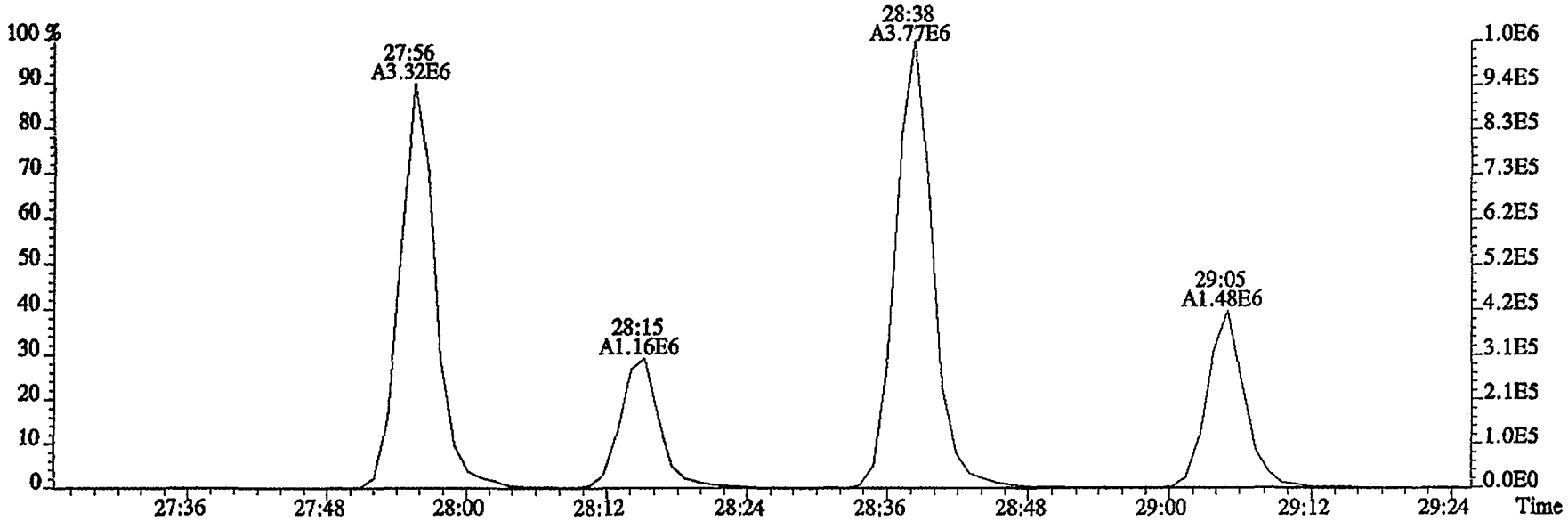
330.9792 S:7 F:3



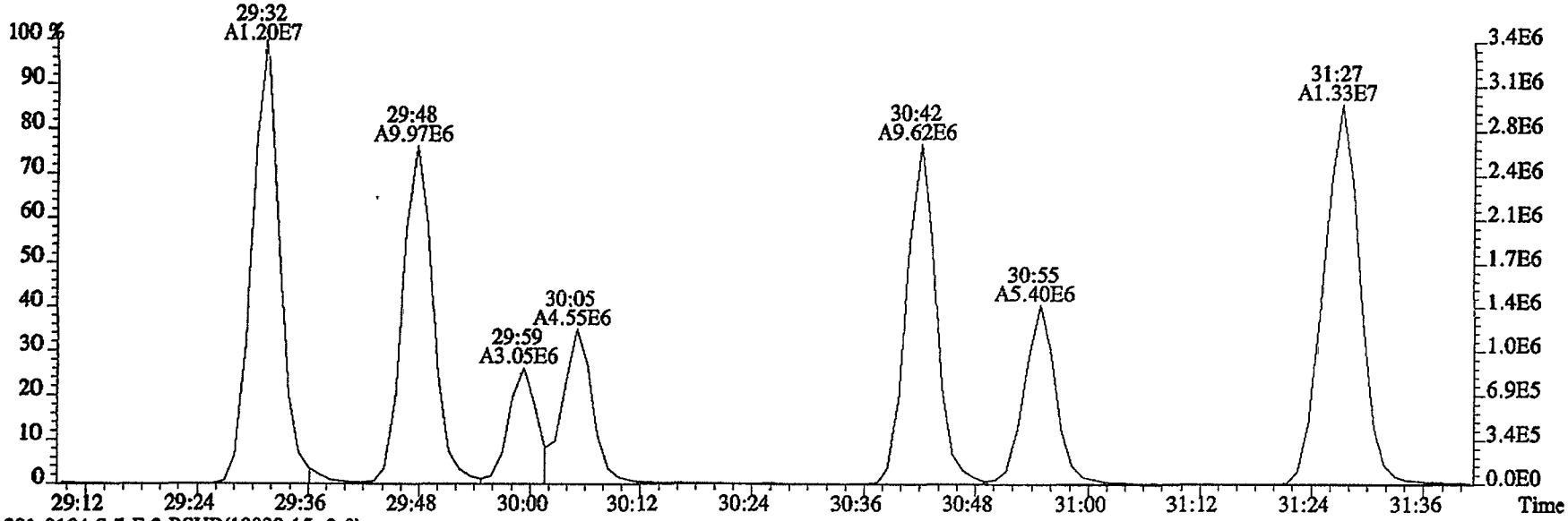
File:040519B1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0)



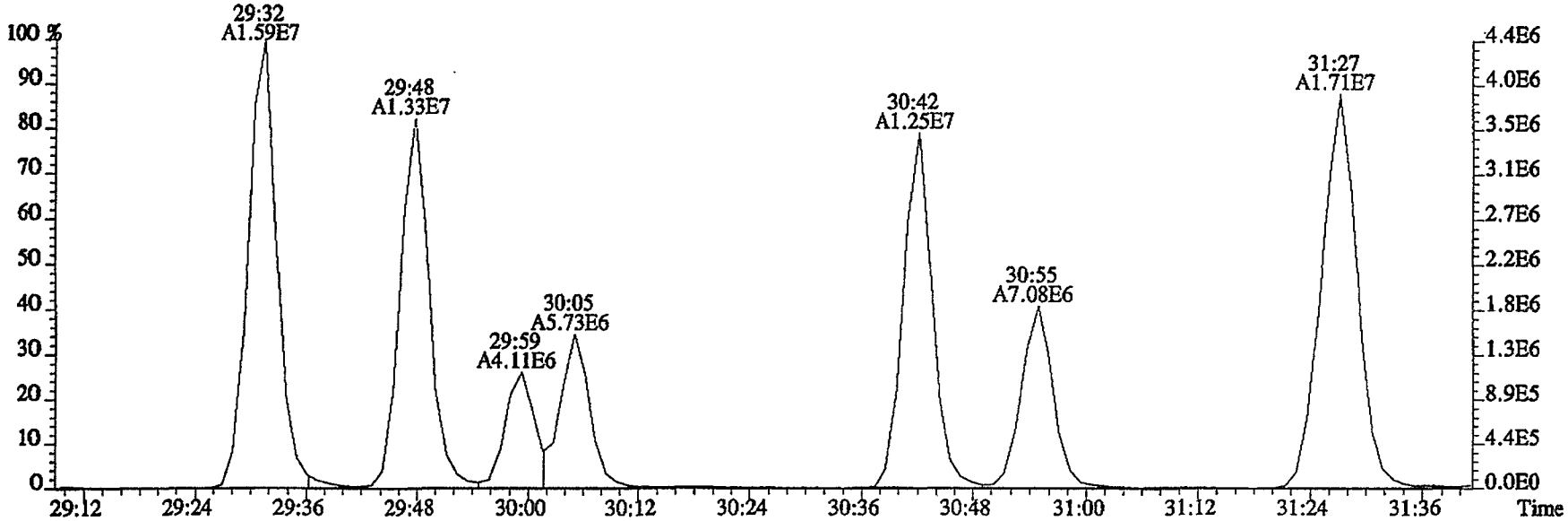
291.9194 S:7 F:3 BSUB(10000,15,-3.0)



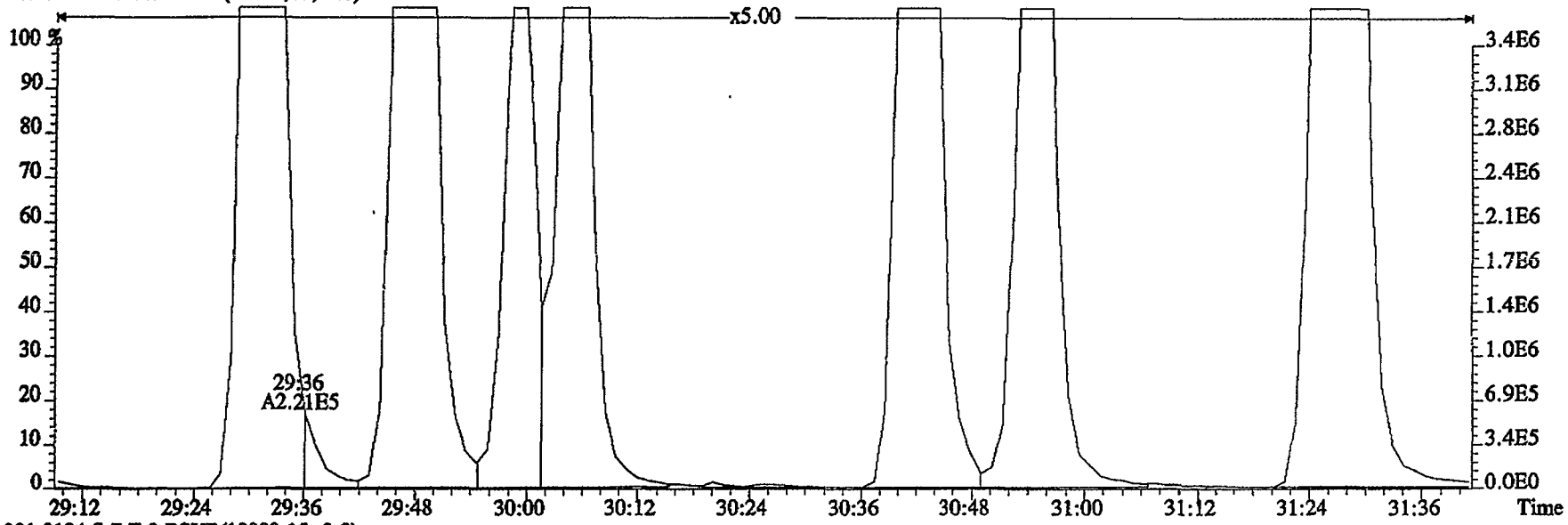
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0)



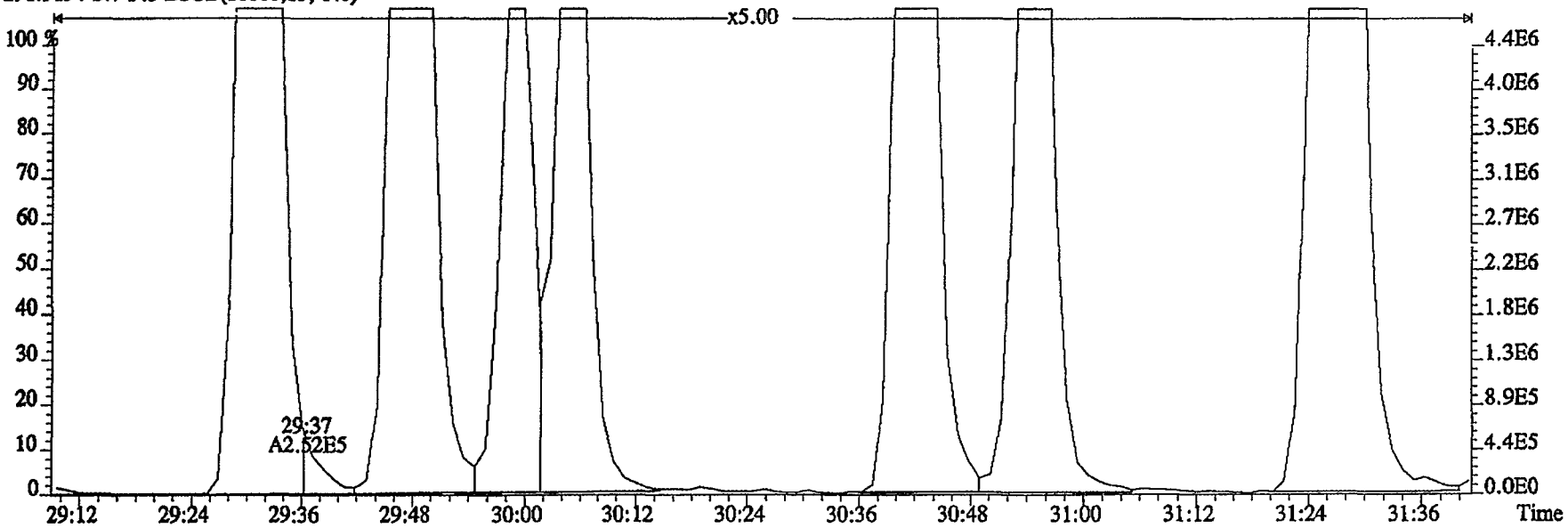
291.9194 S:7 F:3 BSUB(10000,15,-3.0)



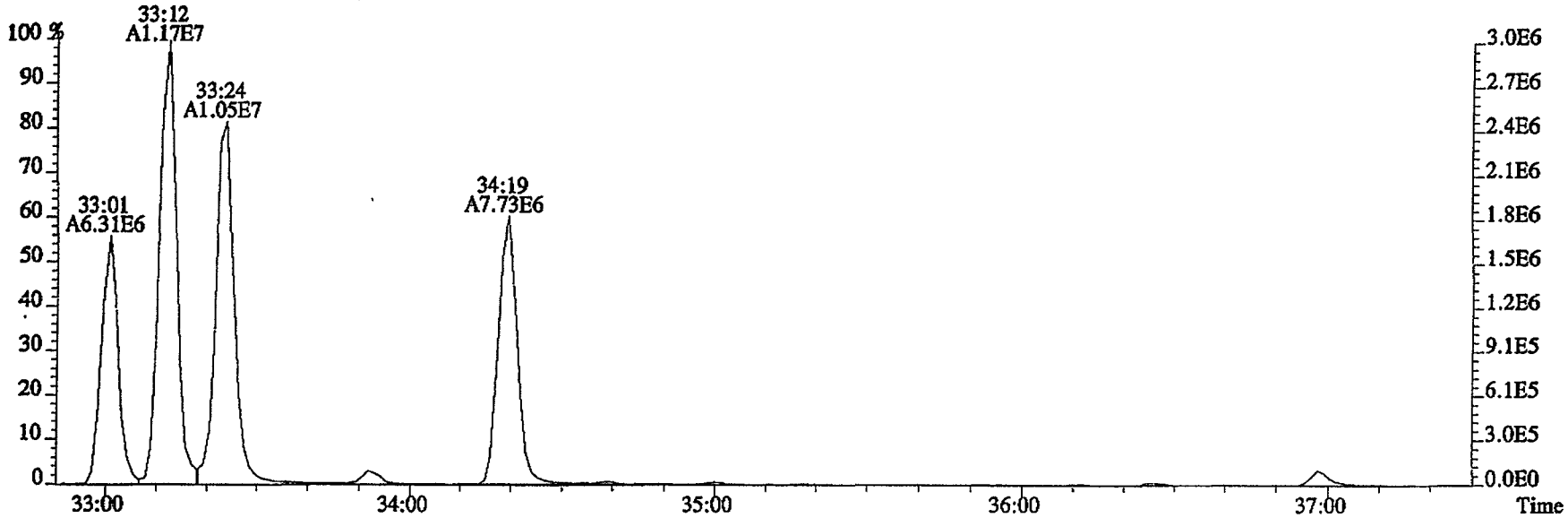
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0)



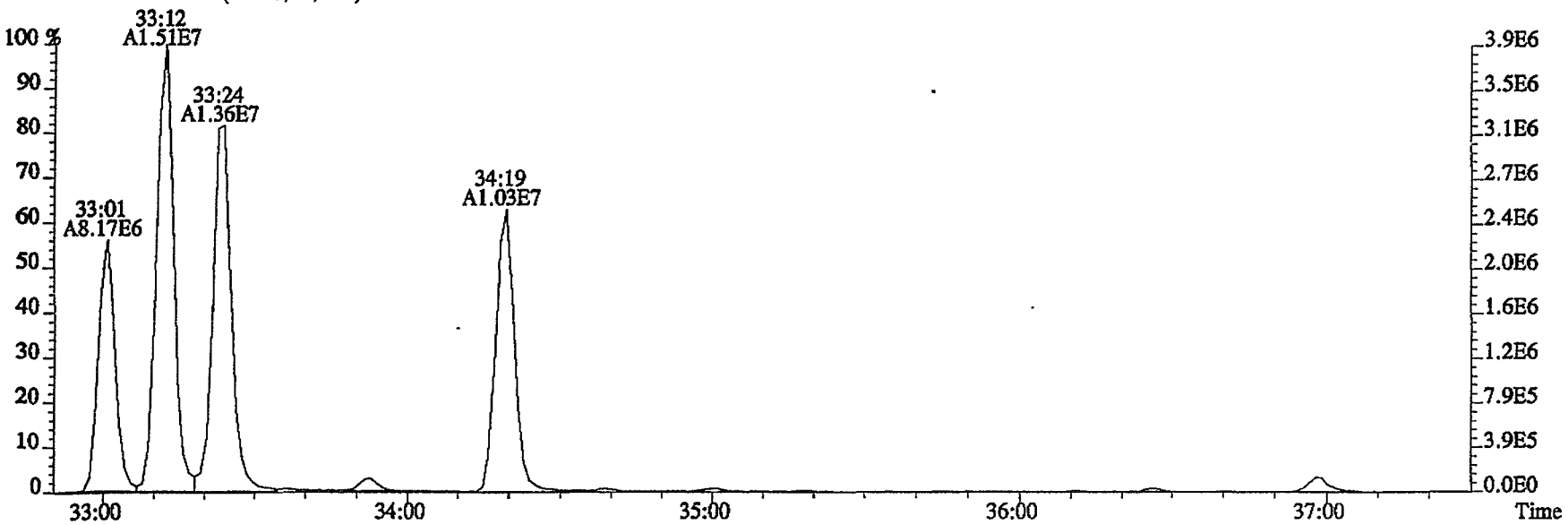
291.9194 S:7 F:3 BSUB(10000,15,-3.0)



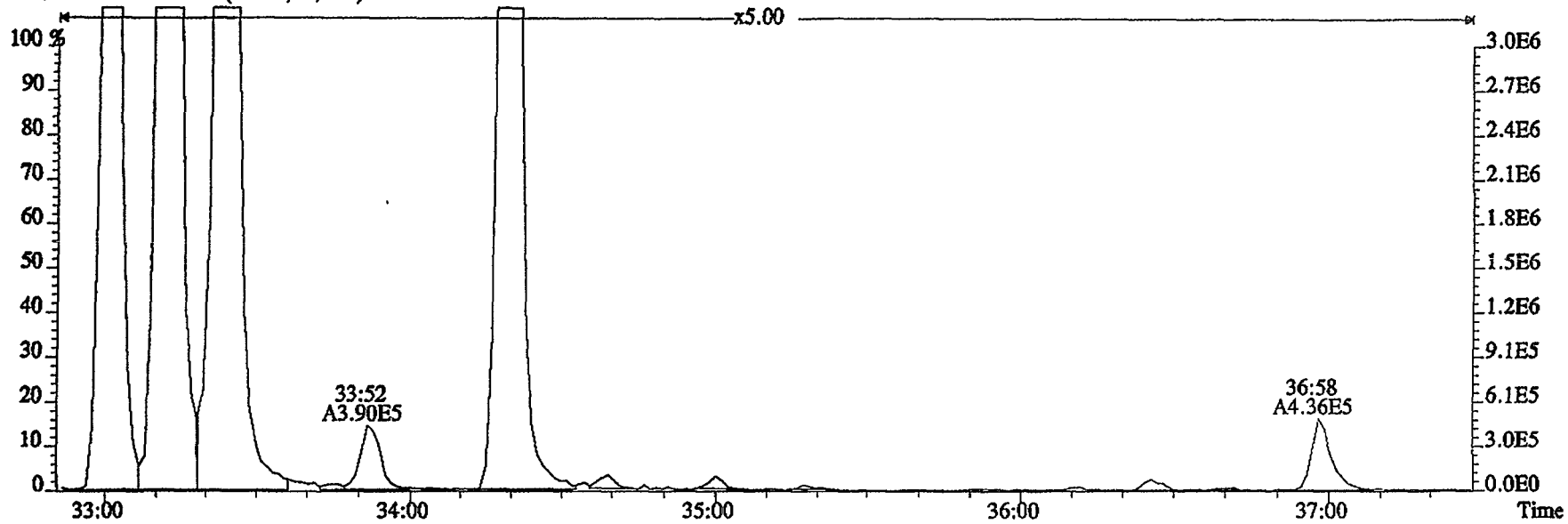
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0)



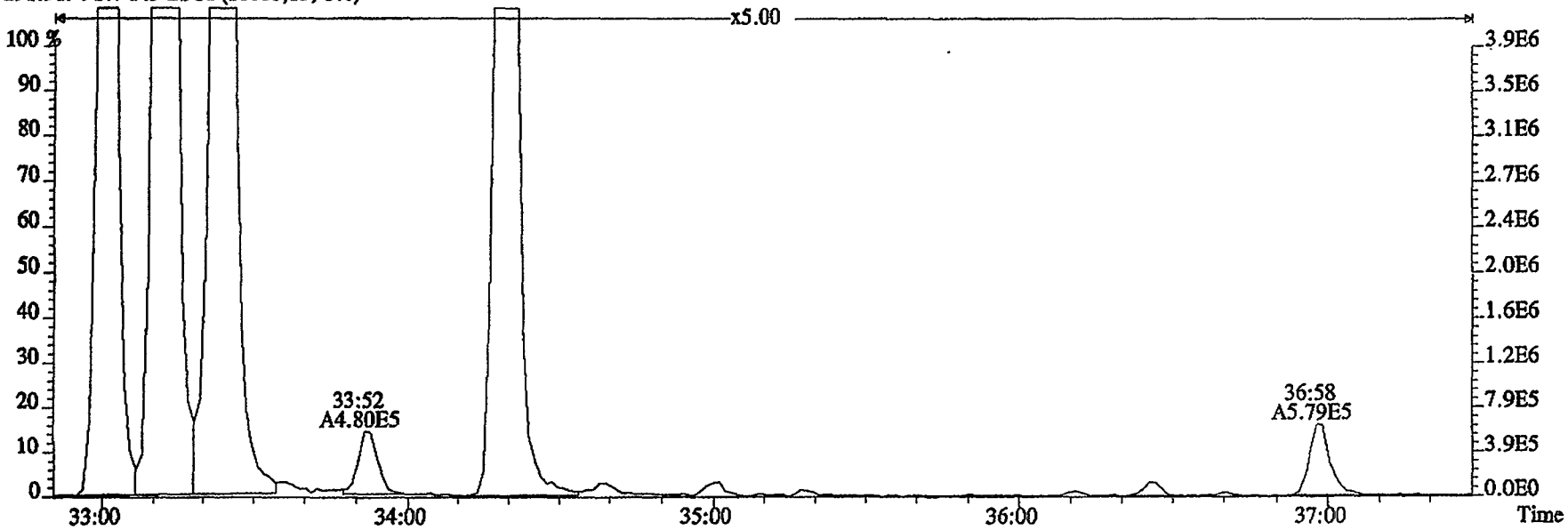
291.9194 S:7 F:3 BSUB(10000,15,-3.0)



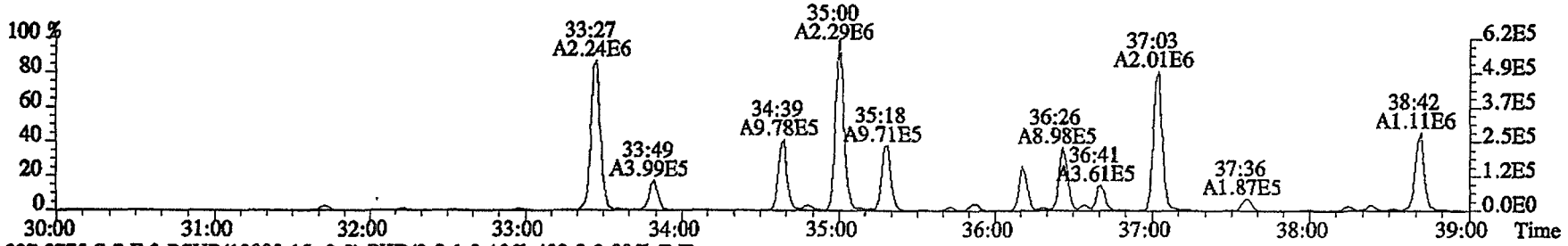
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0)



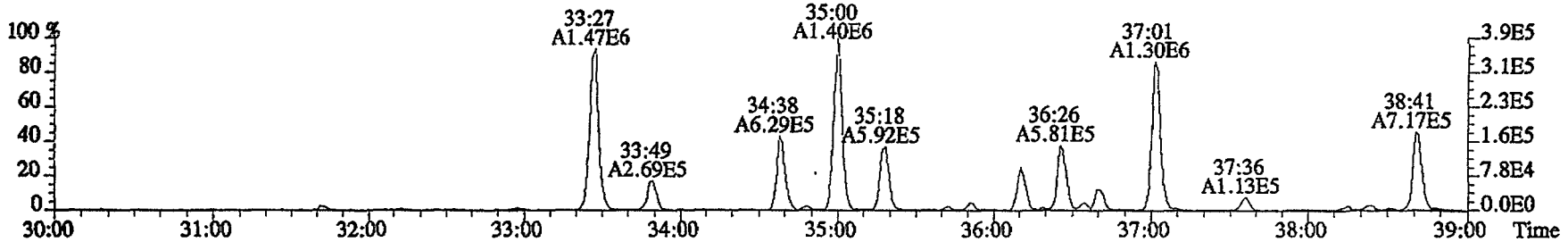
291.9194 S:7 F:3 BSUB(10000,15,-3.0)



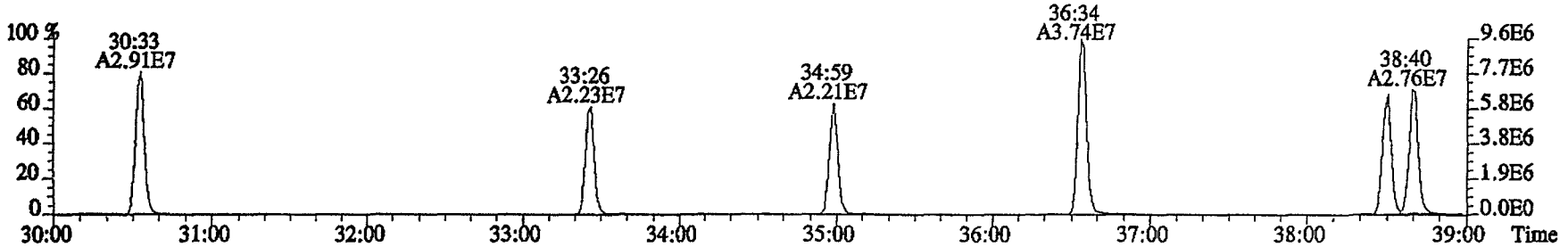
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



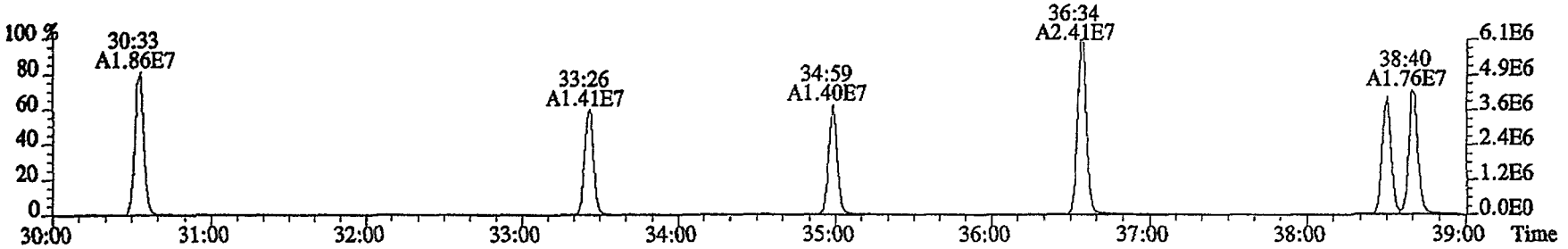
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



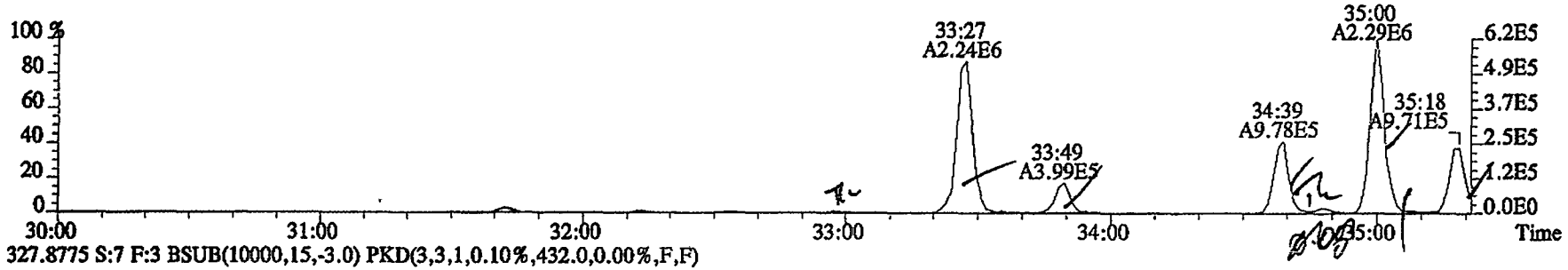
337.9207 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



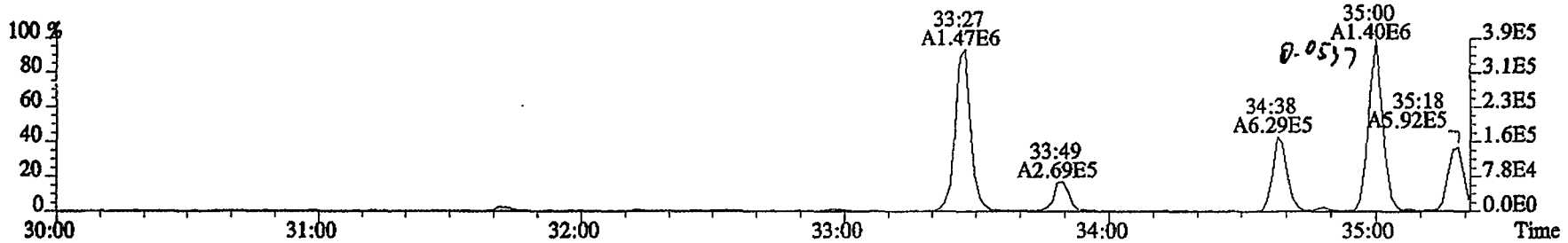
339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



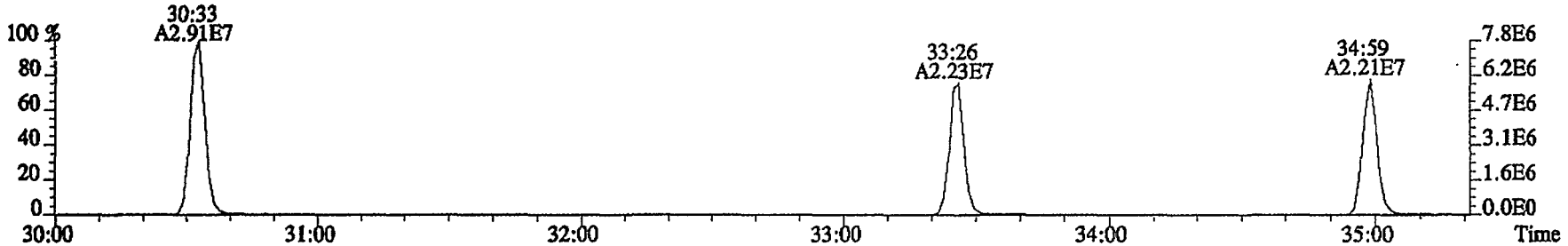
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



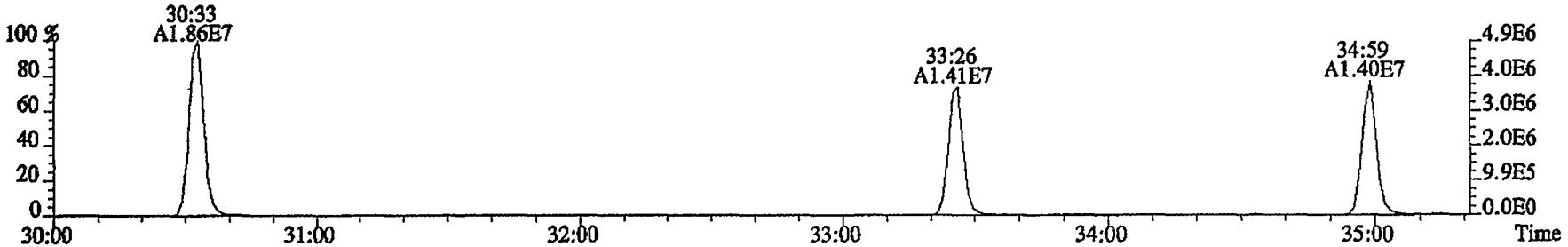
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



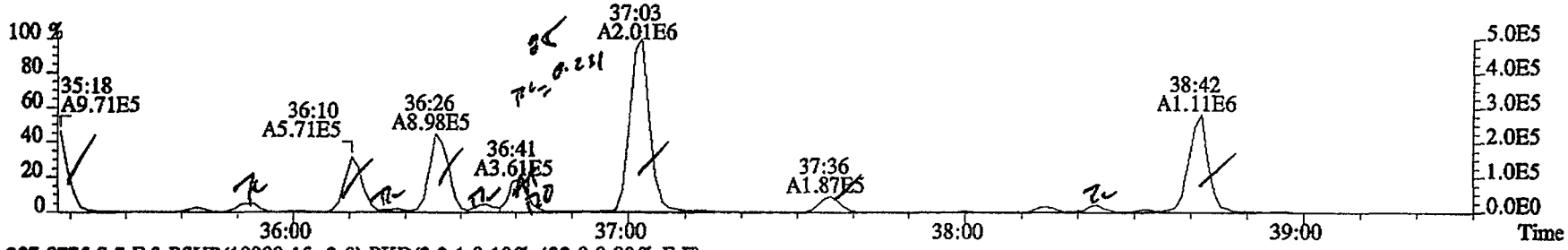
337.9207 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



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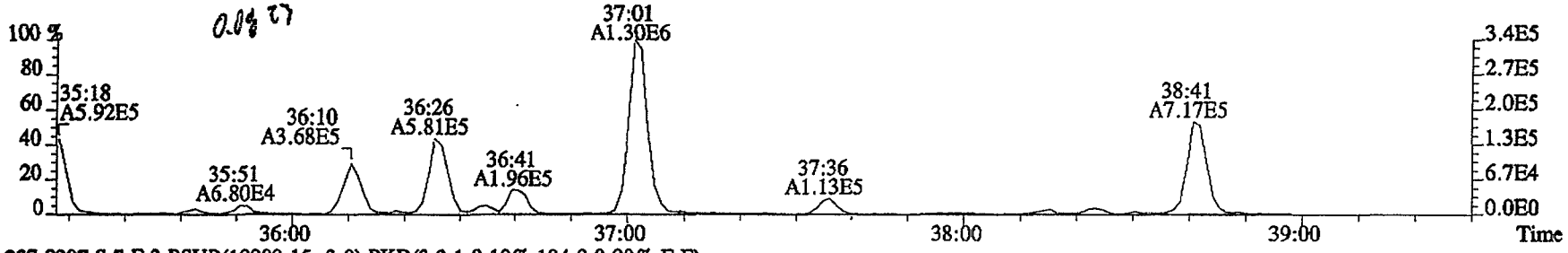

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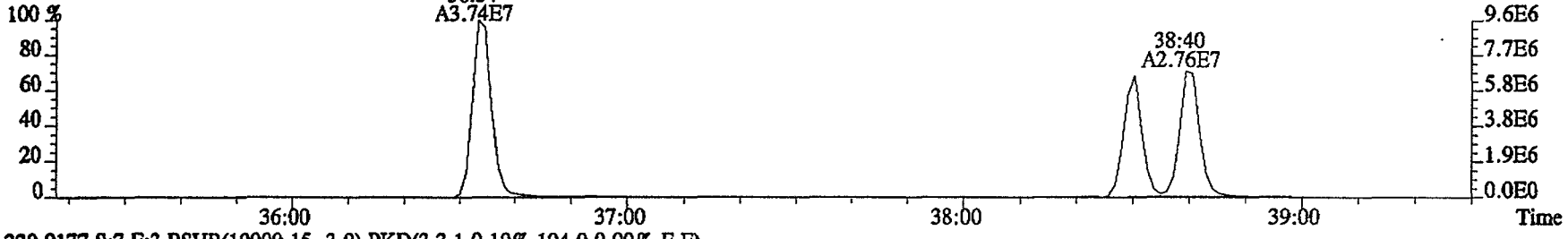
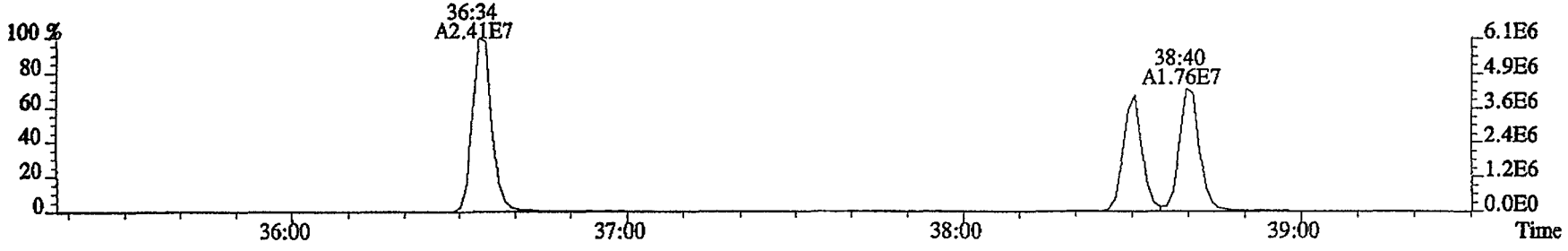
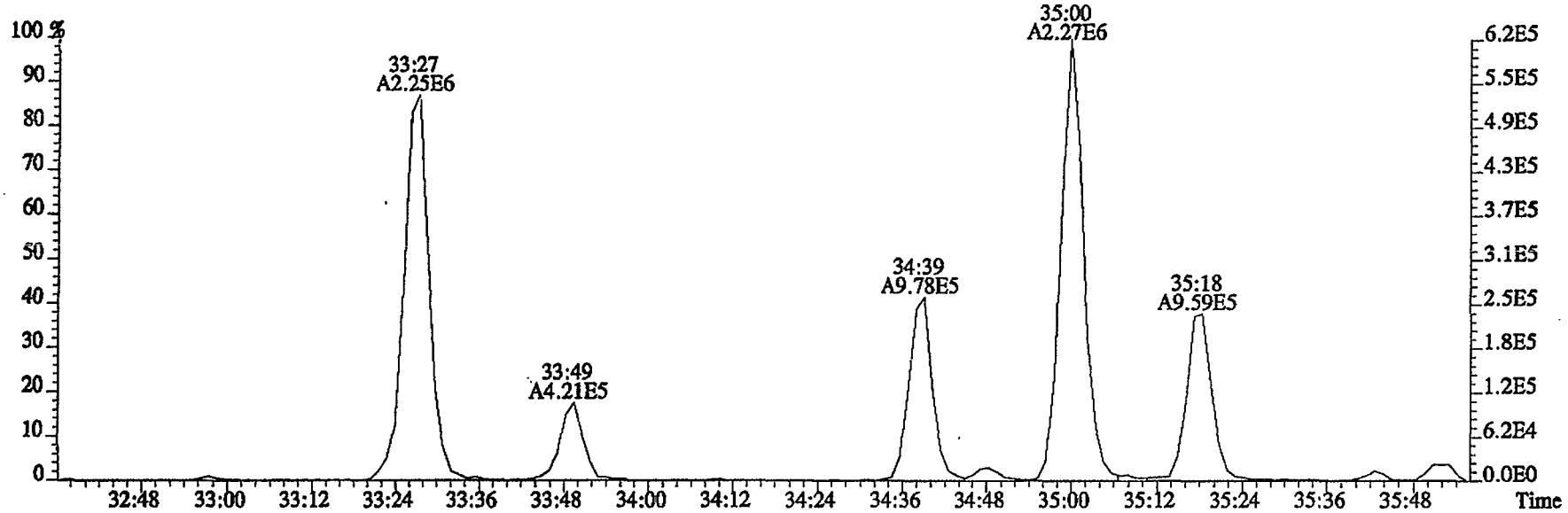


339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



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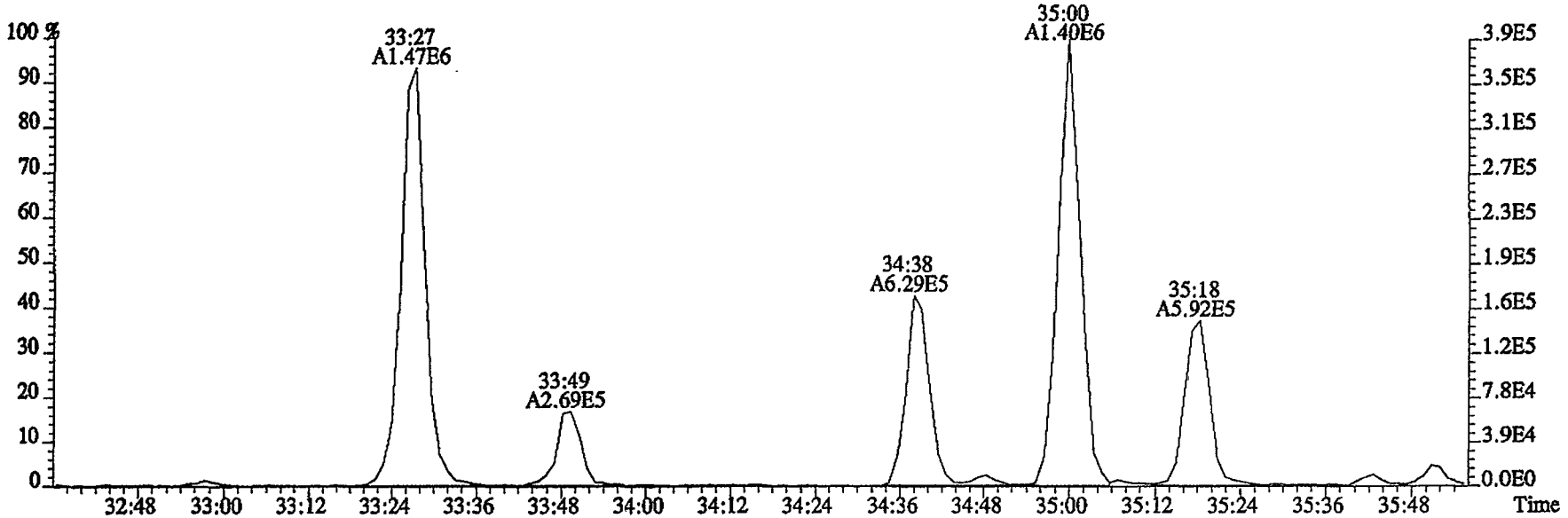
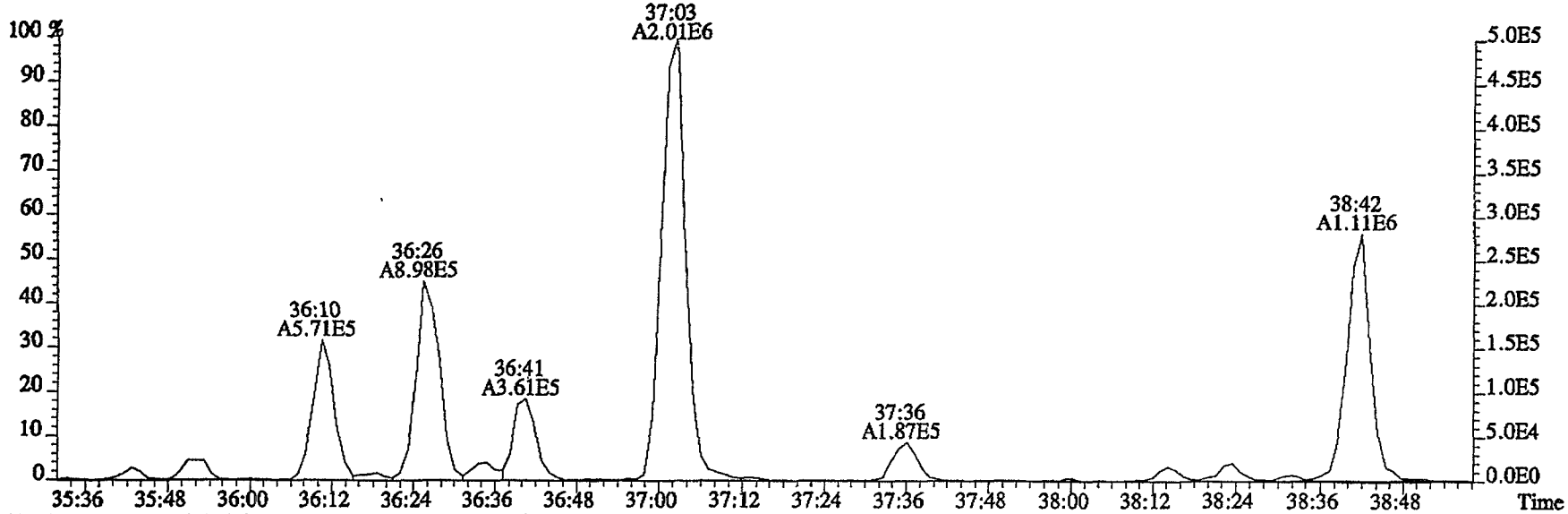
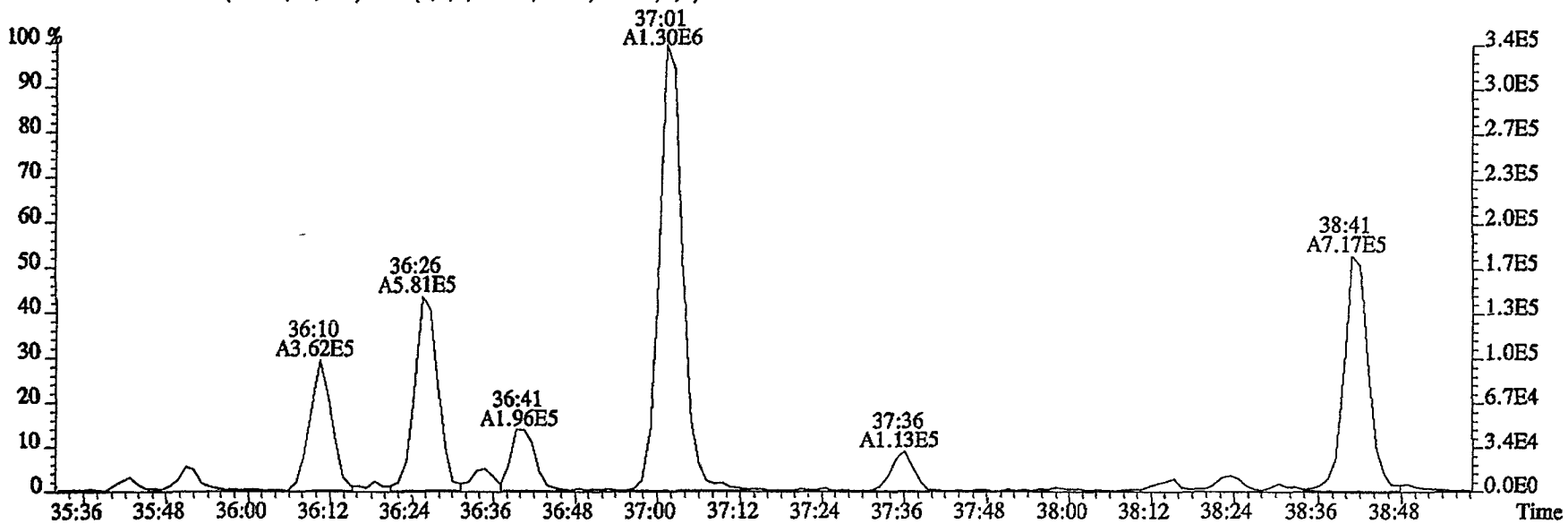


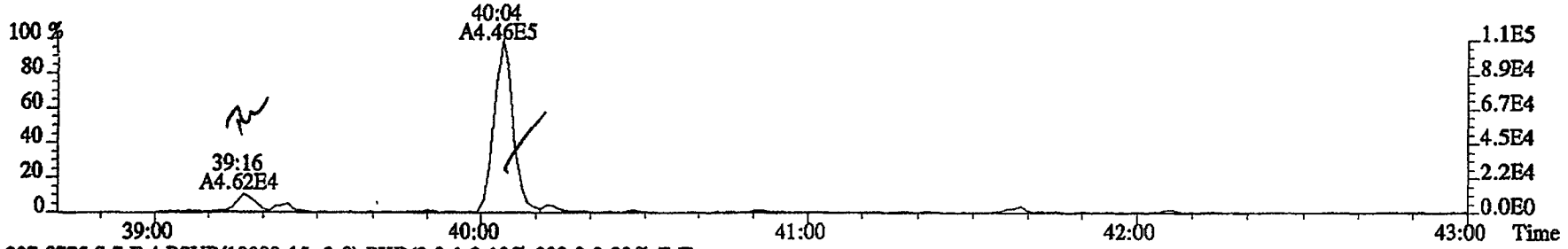
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



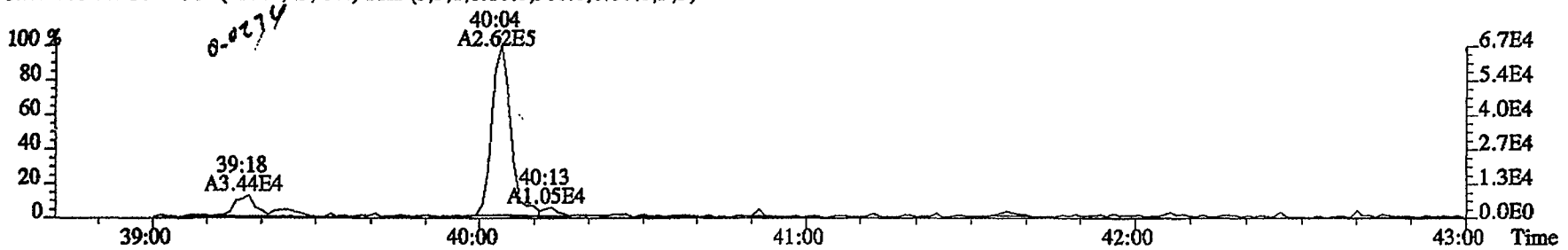
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



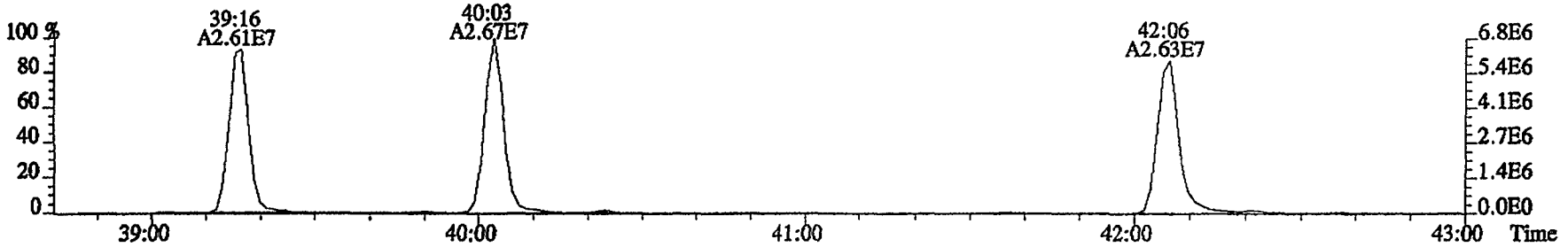
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



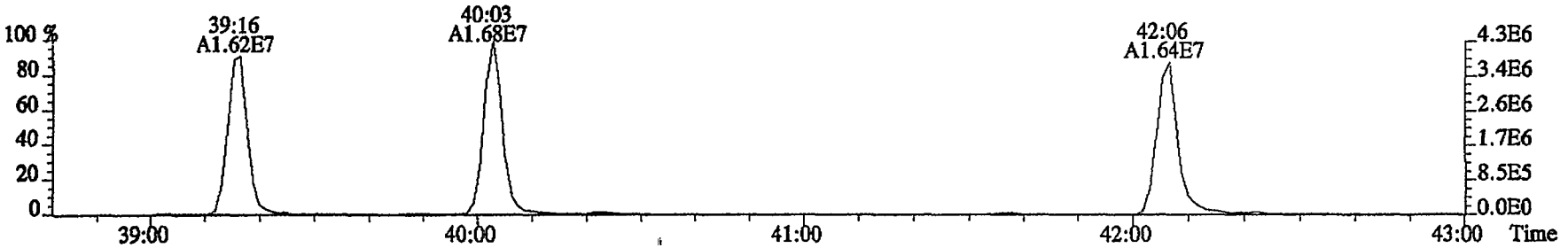
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,988.0,0.00%,F,F)



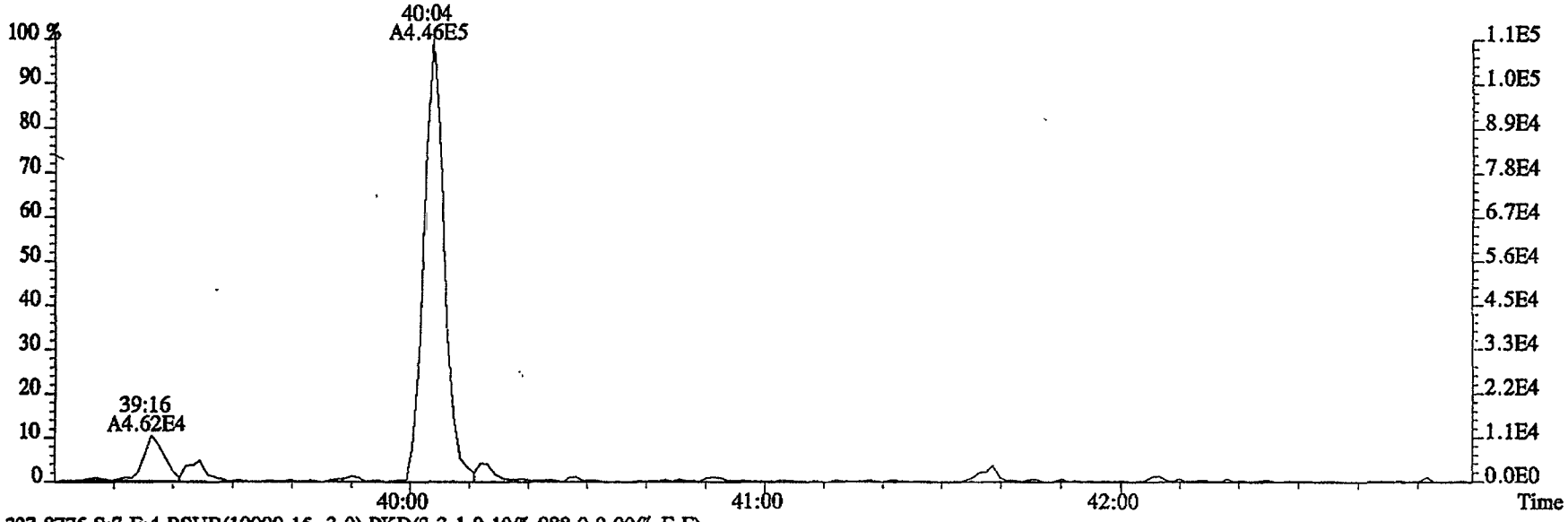
337.9207 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3340.0,0.00%,F,F)



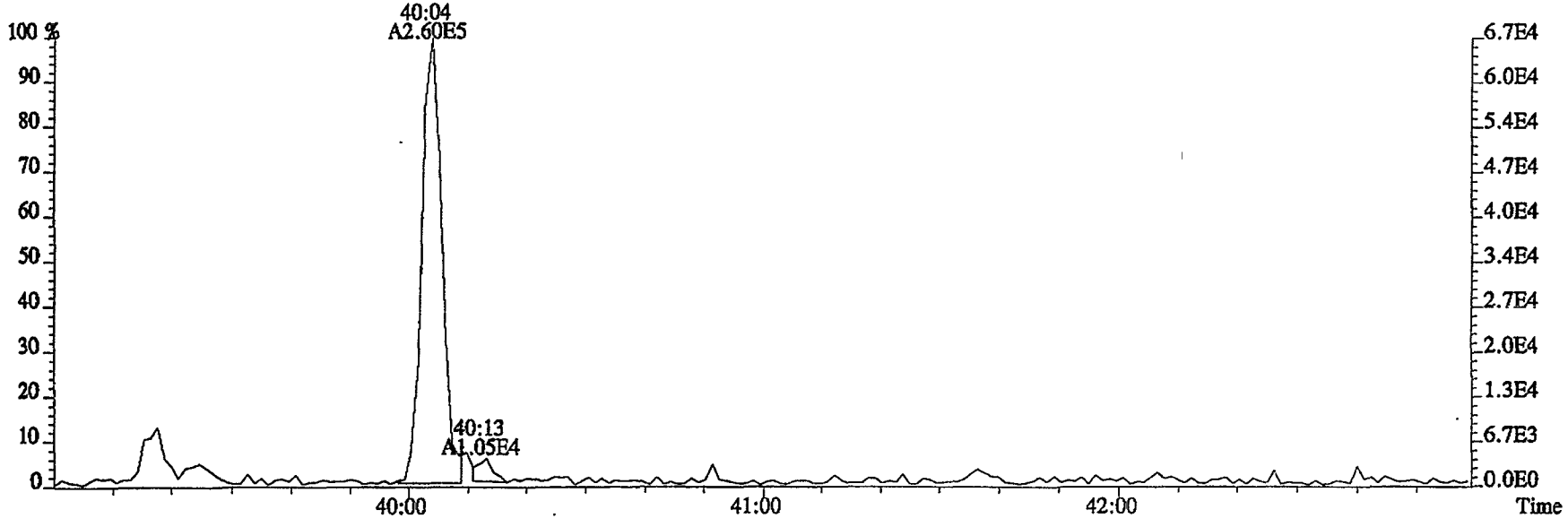
339.9177 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2676.0,0.00%,F,F)



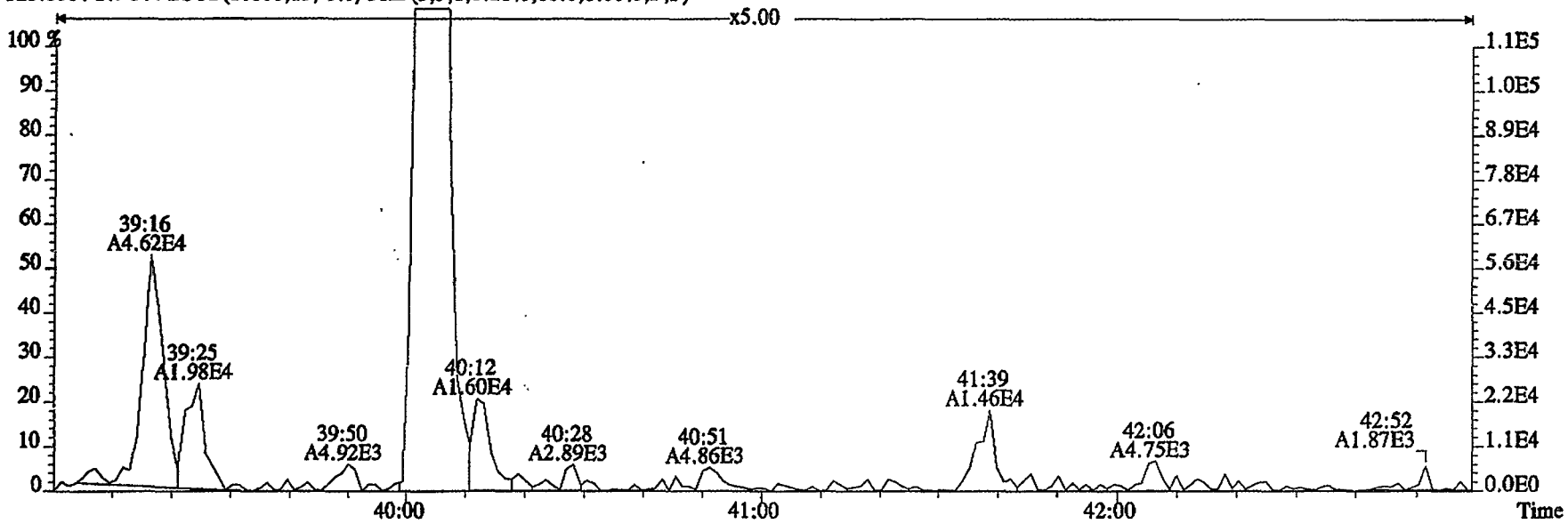
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



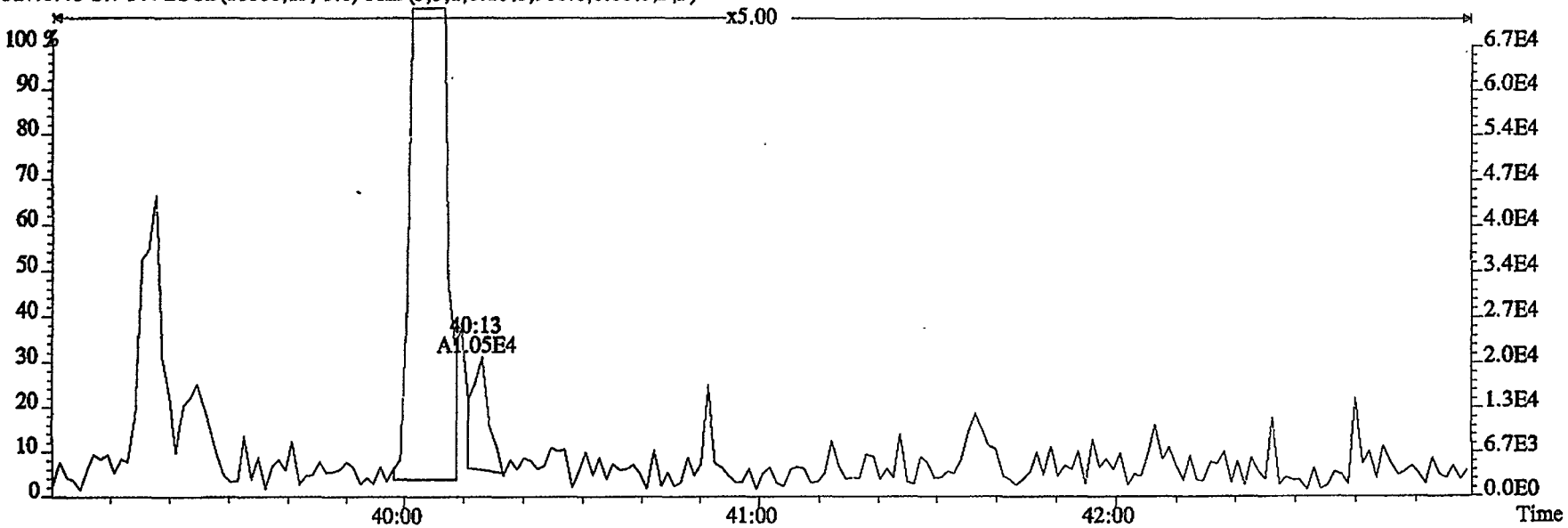
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,988.0,0.00%,F,F)



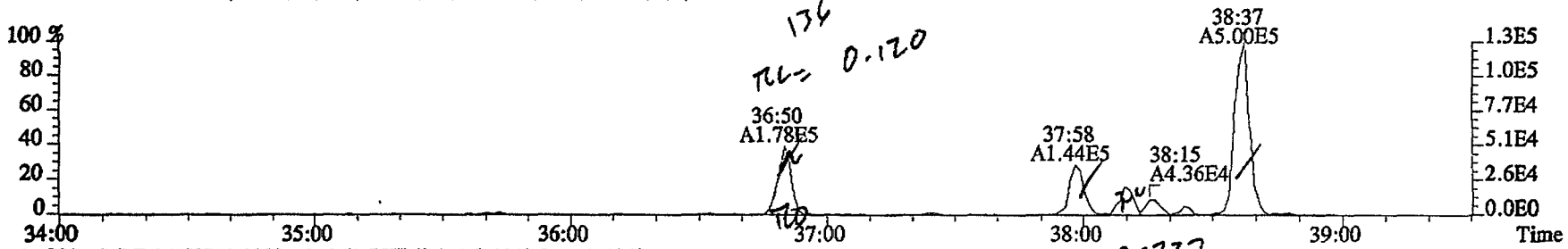
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,988.0,0.00%,F,F)

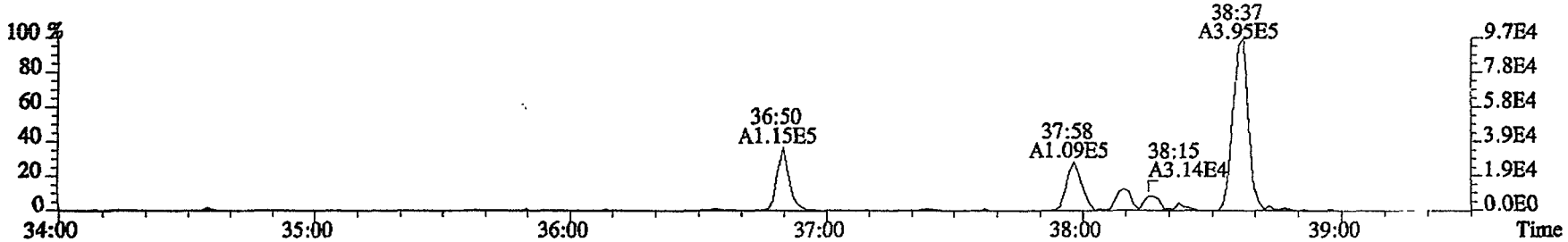


File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
359.8415 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)

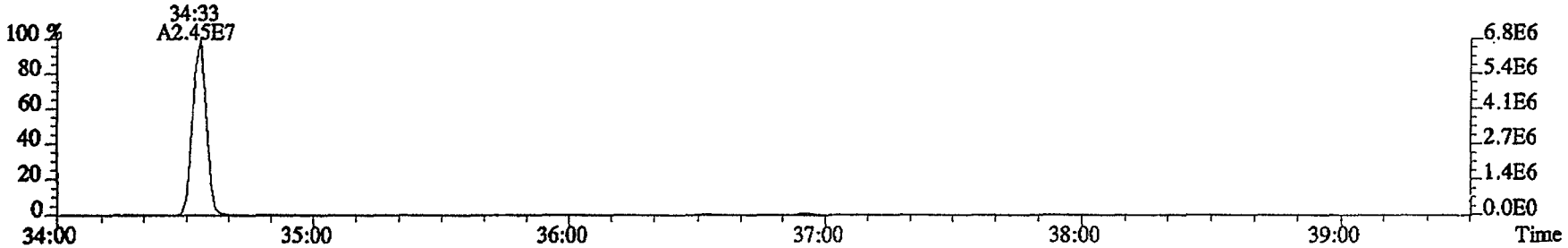


361.8385 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)

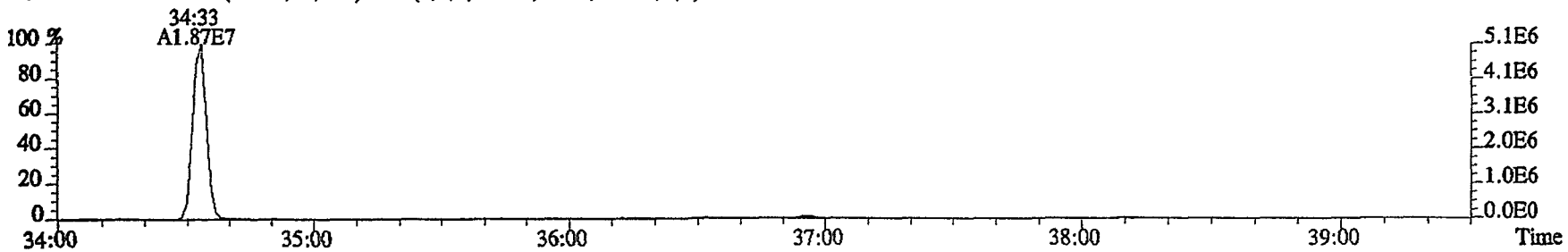
0.0737



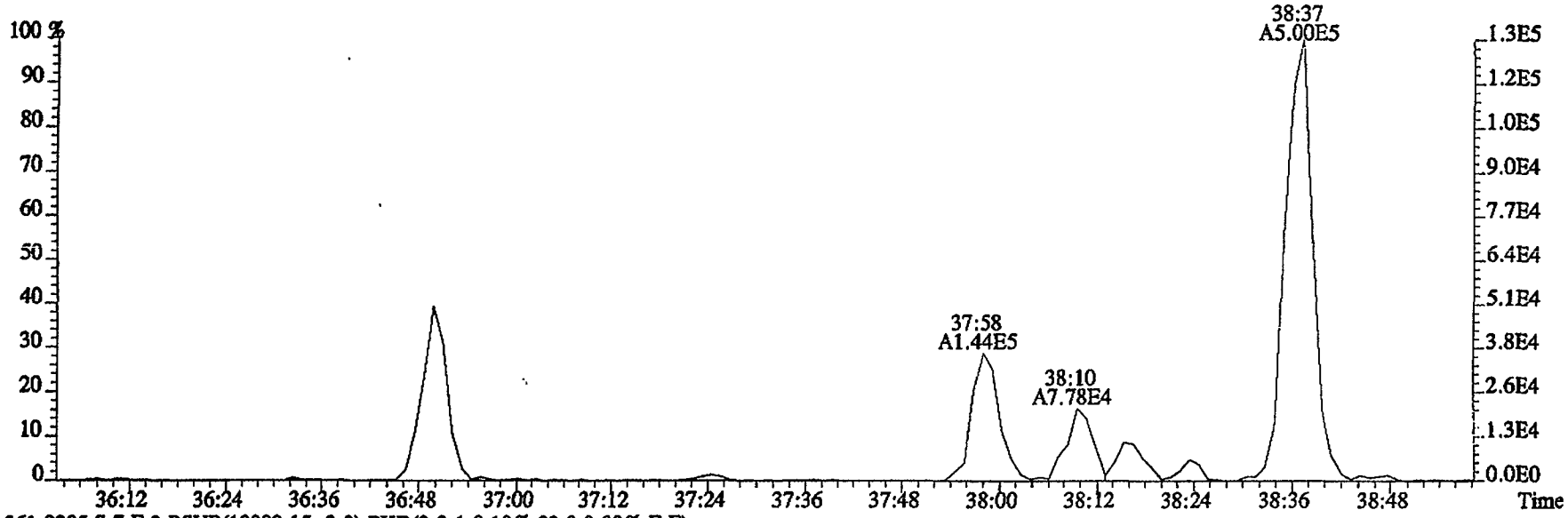
371.8817 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



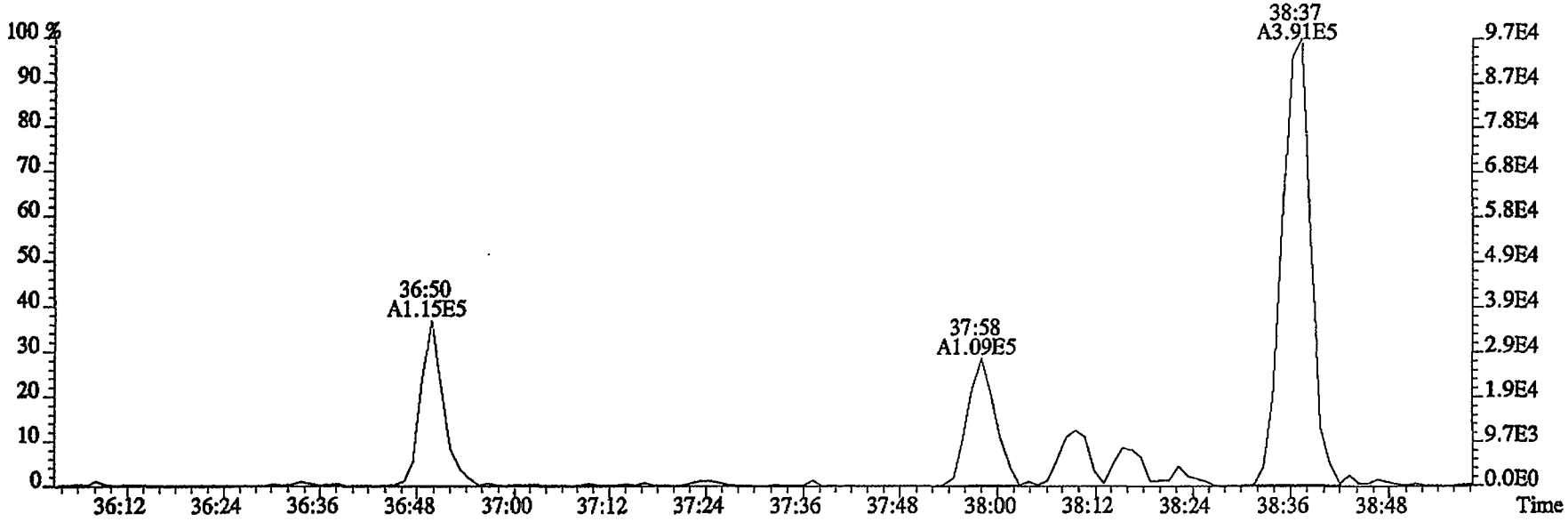
373.8788 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



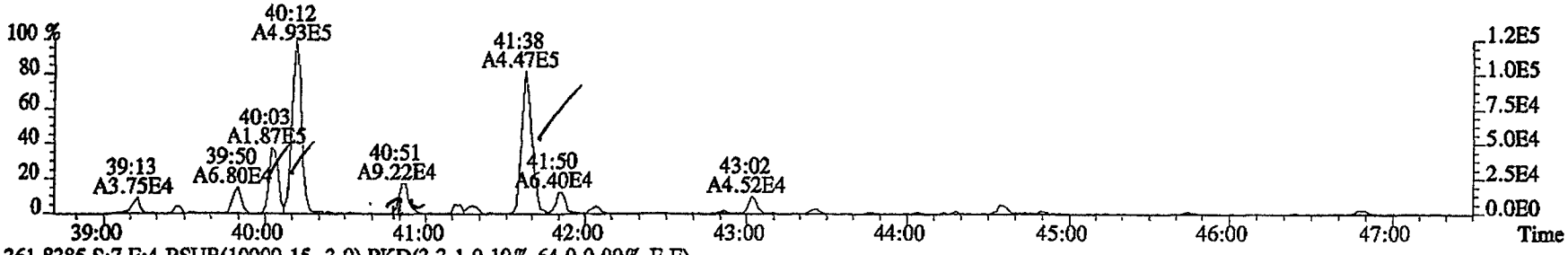
File:040519E1 #1-685 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
359.8415 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



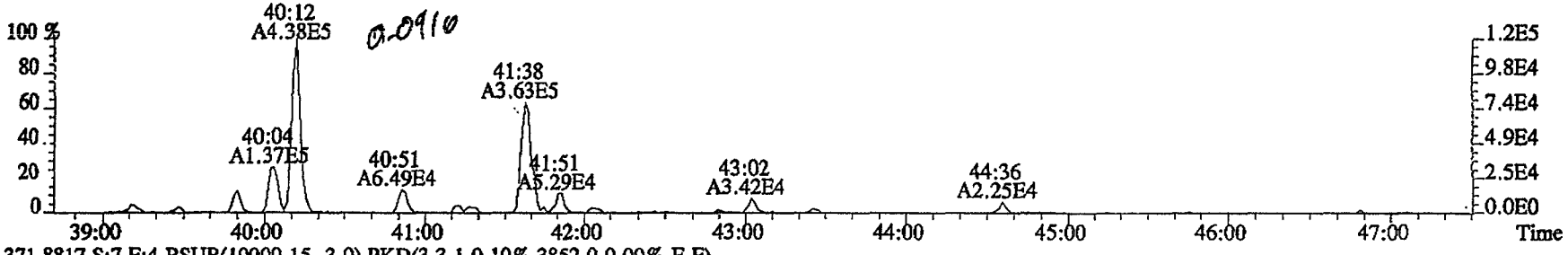
361.8385 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



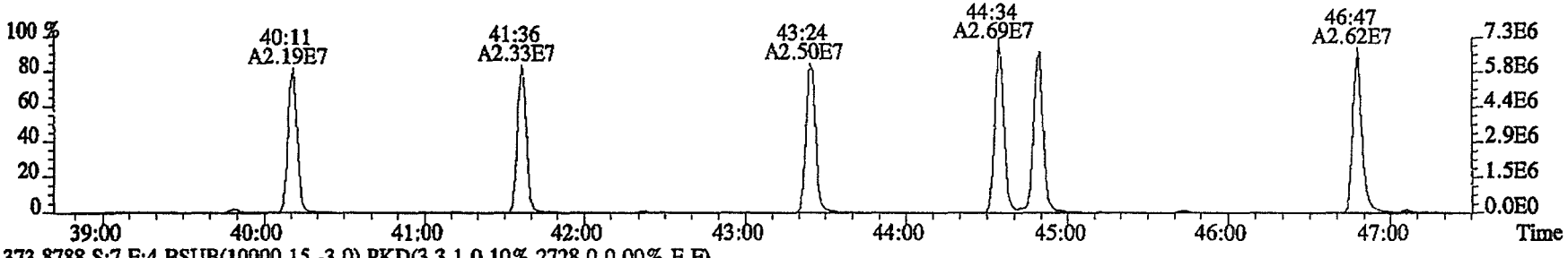
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
359.8415 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



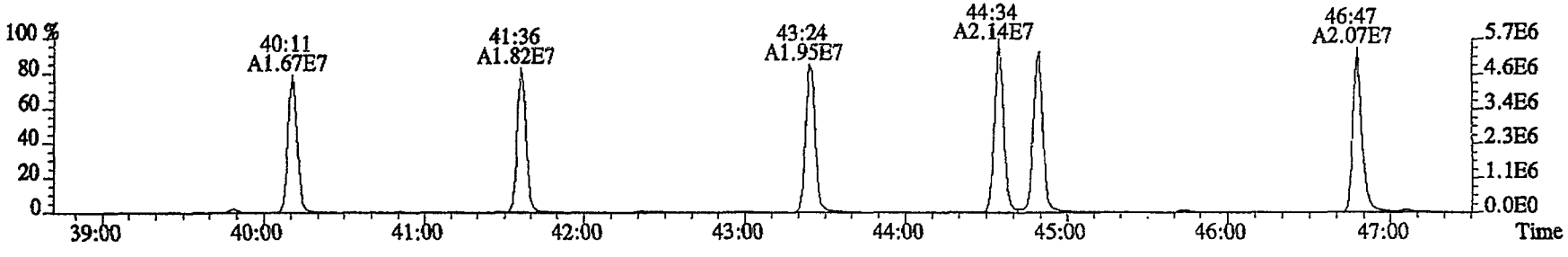
361.8385 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



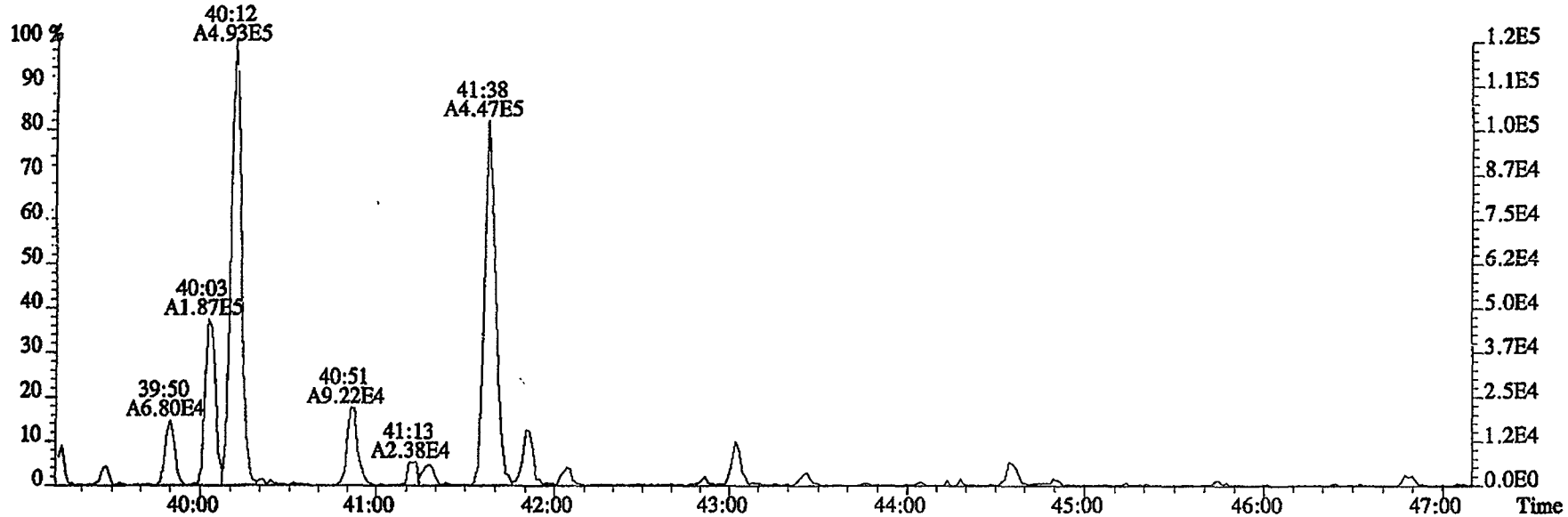
371.8817 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3852.0,0.00%,F,F)



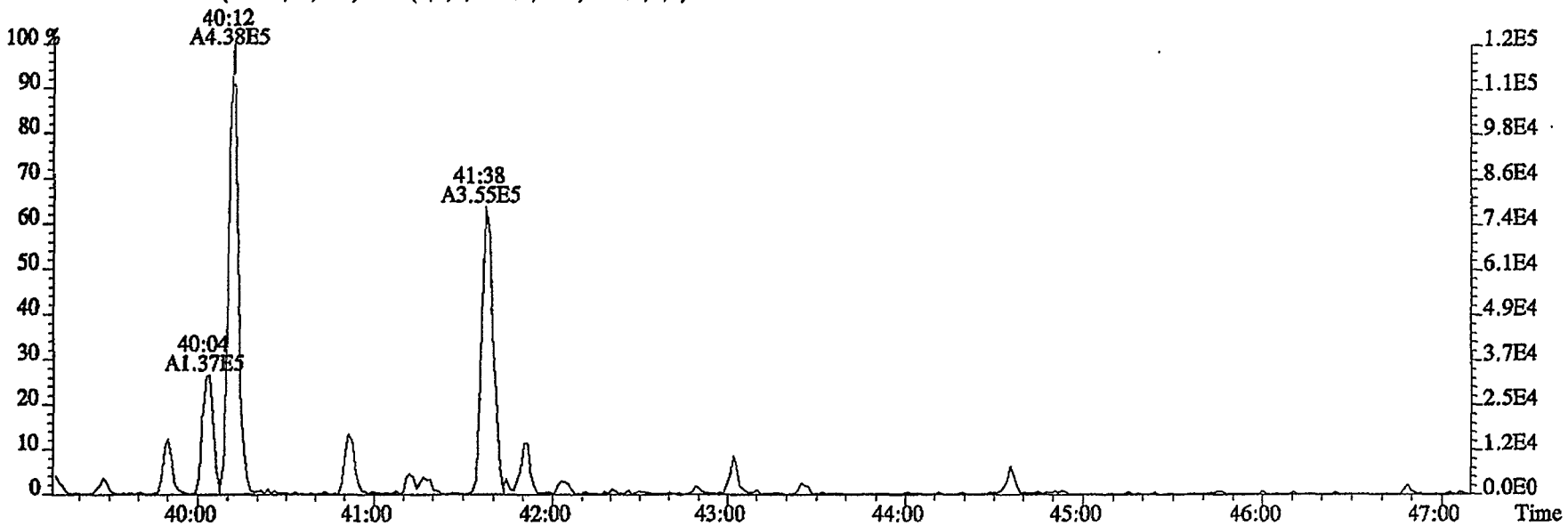
373.8788 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2728.0,0.00%,F,F)



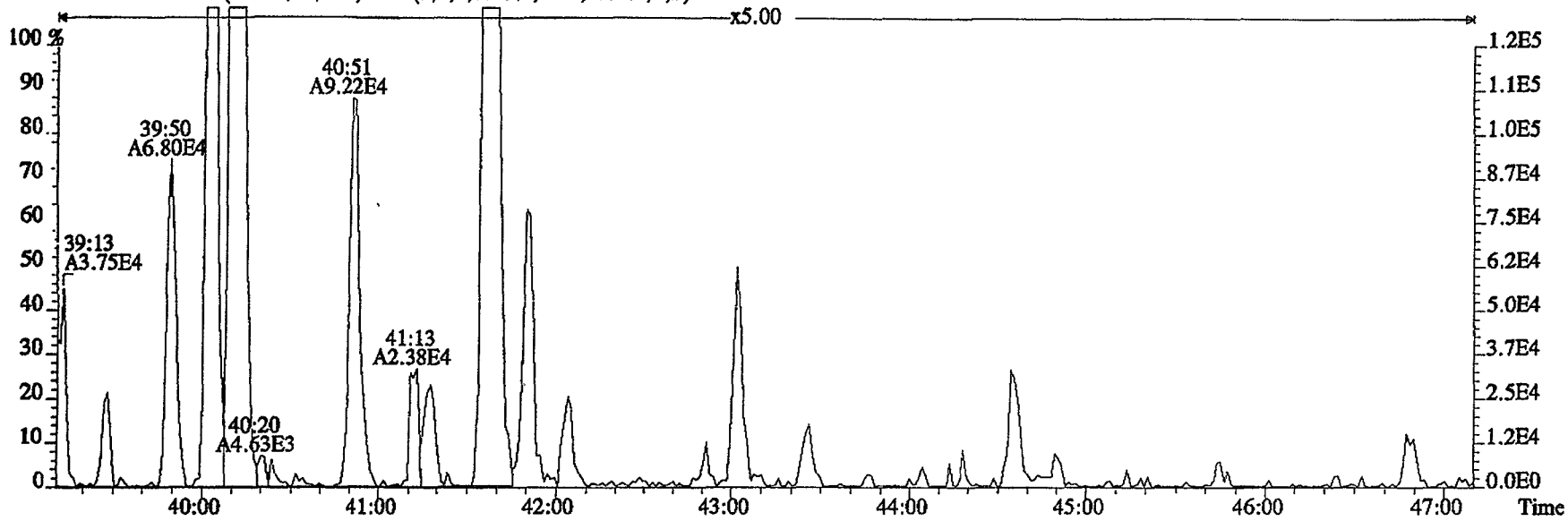
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
359.8415 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



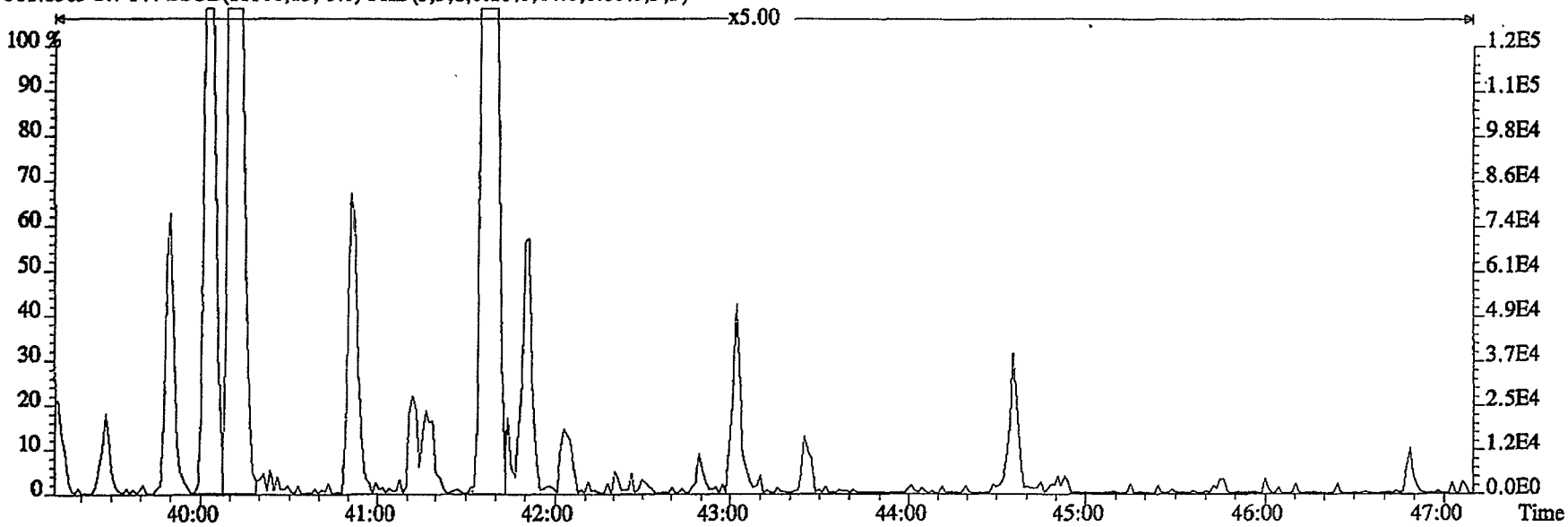
361.8385 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



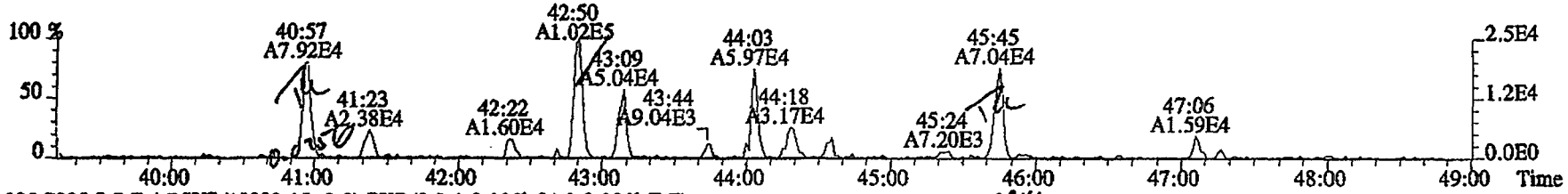
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
359.8415 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



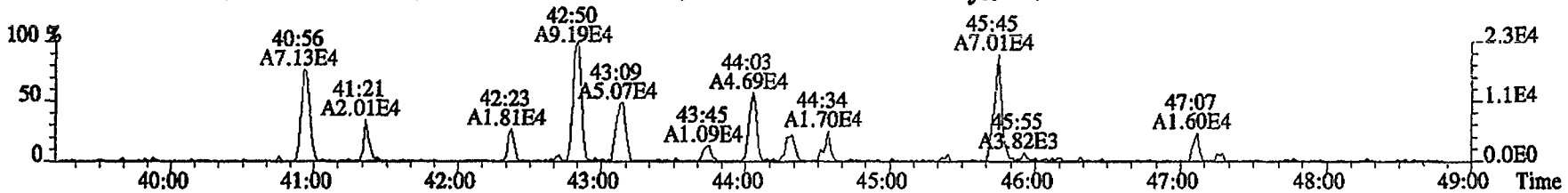
361.8385 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



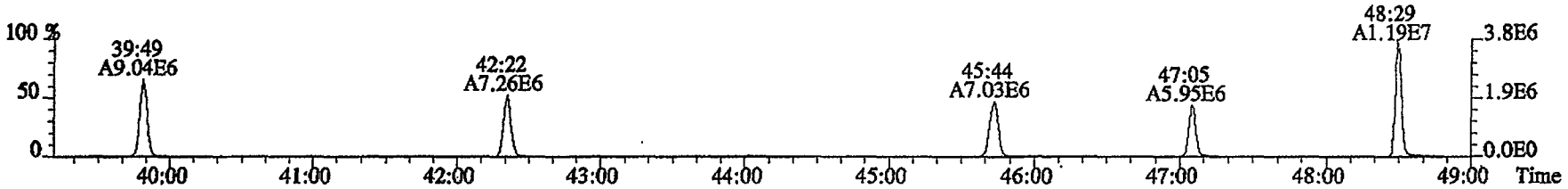
File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
393.8025 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



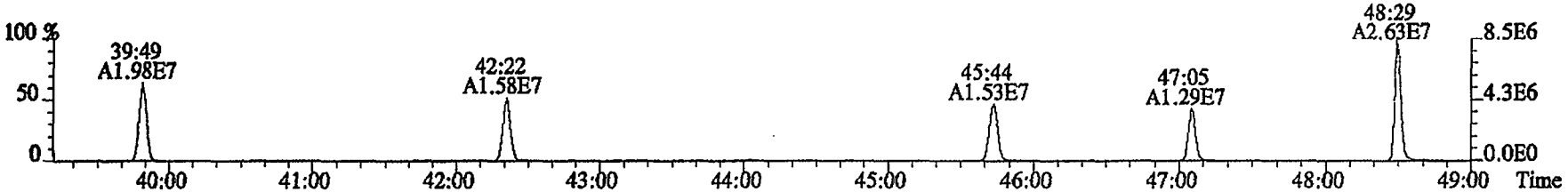
395.7995 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



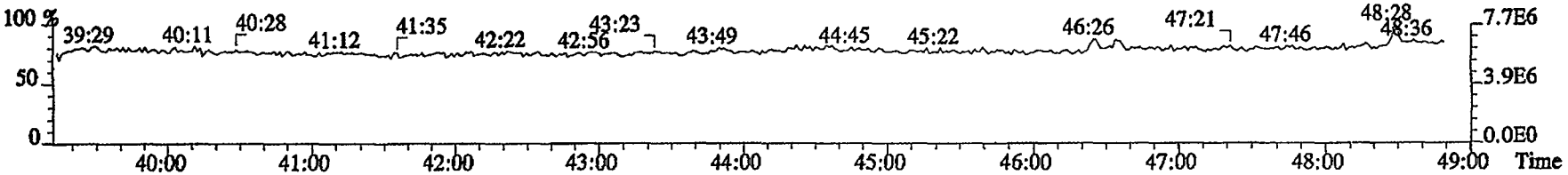
403.8457 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



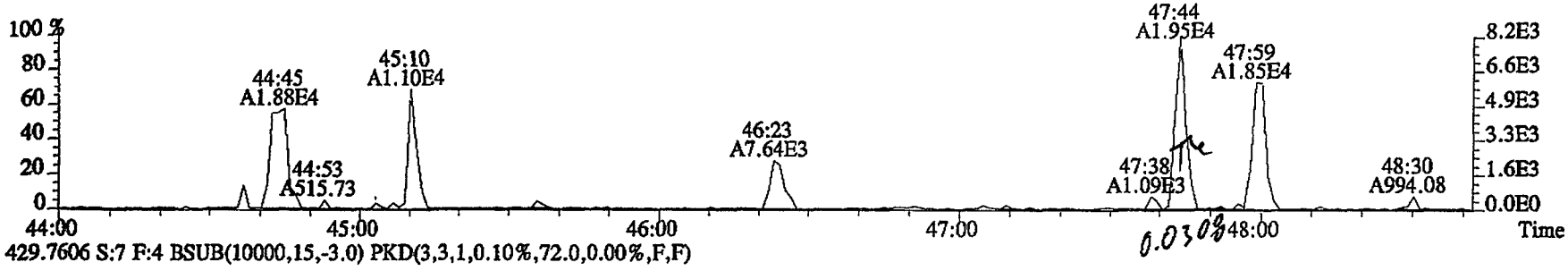
405.8428 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



380.9760 S:7 F:4

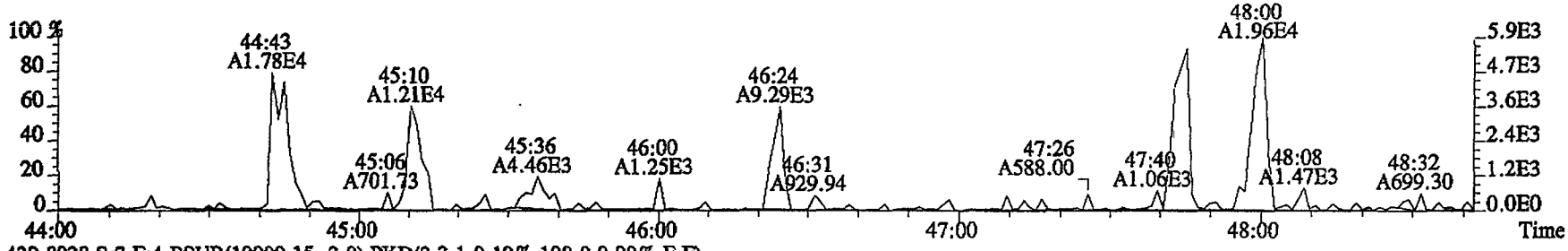


File:040519E1 #1-510 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
427.7635 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)

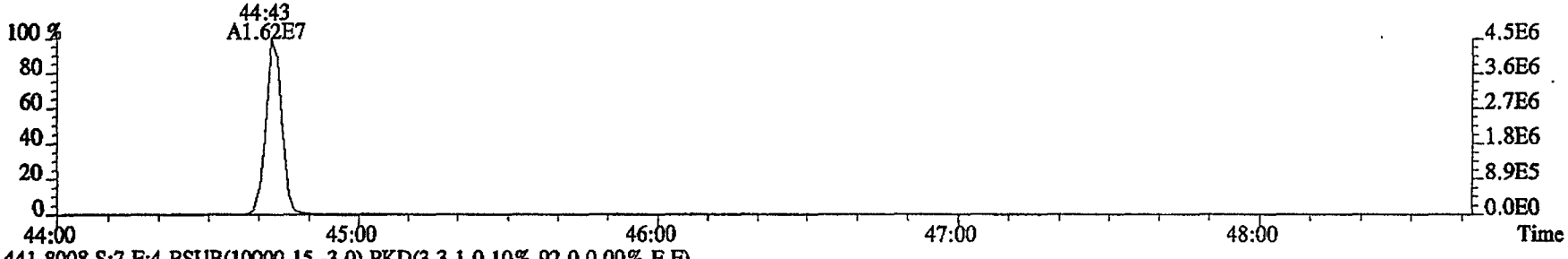


0.030%

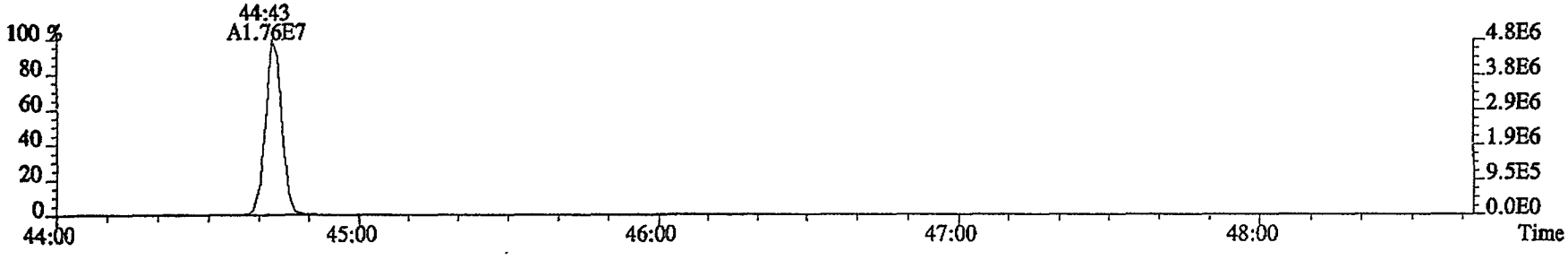
429.7606 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



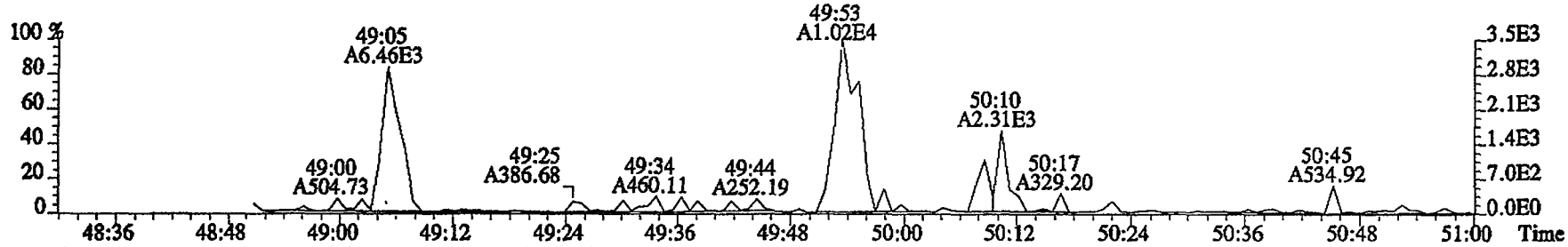
439.8038 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



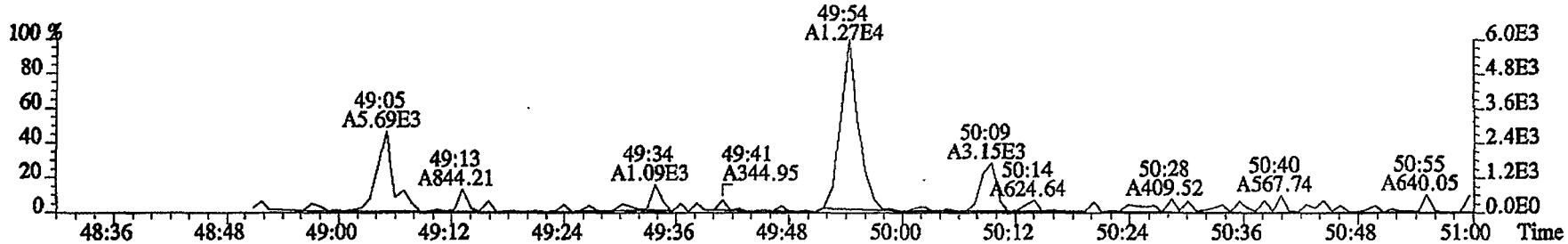
441.8008 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



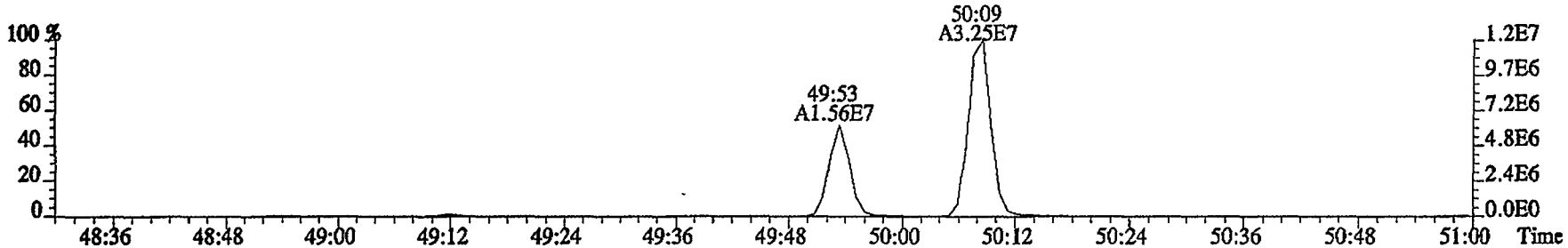
File:040519E1 #1-414 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



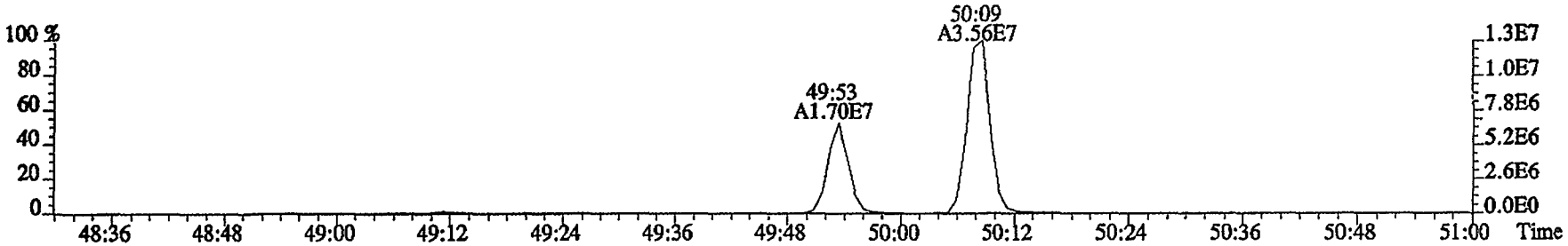
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



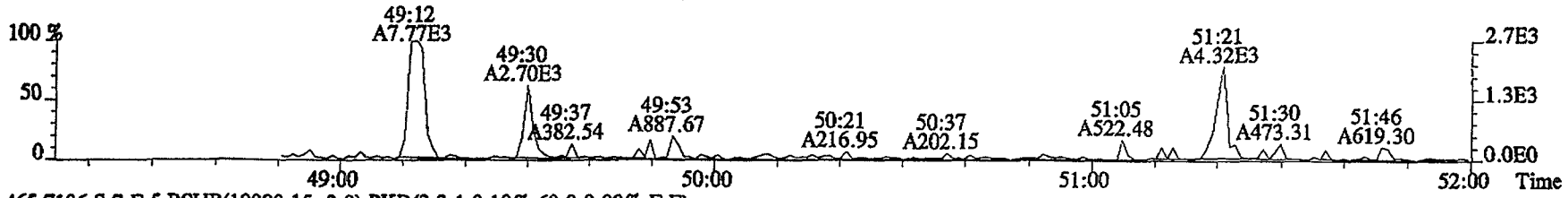
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



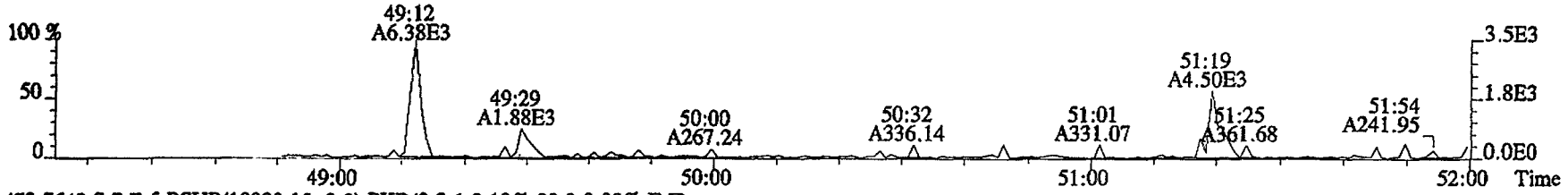
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



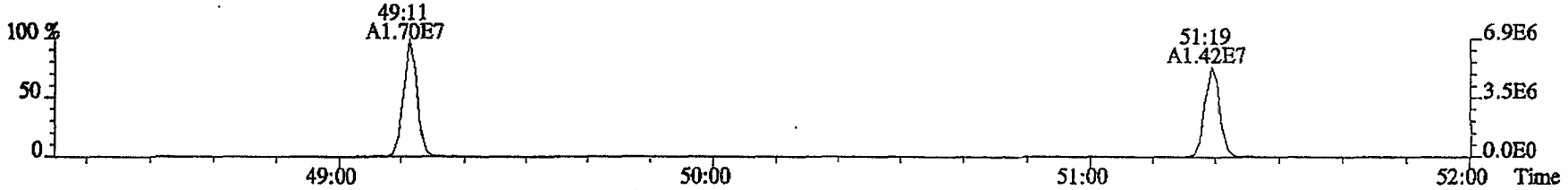
File:040519E1 #1-414 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
463.7216 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



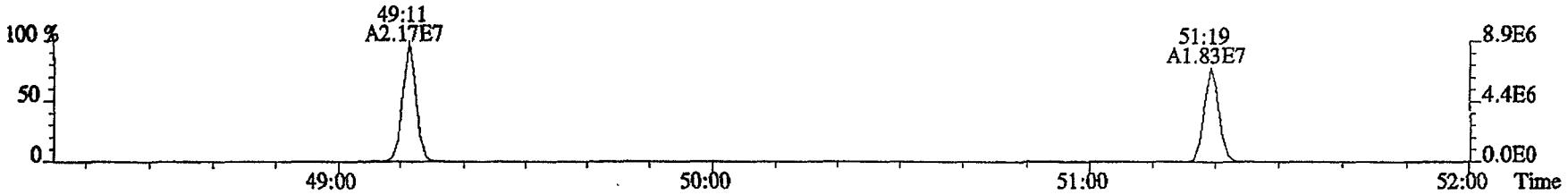
465.7186 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



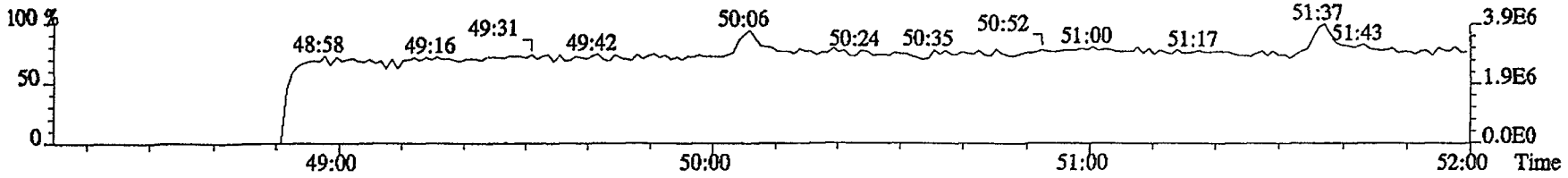
473.7648 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



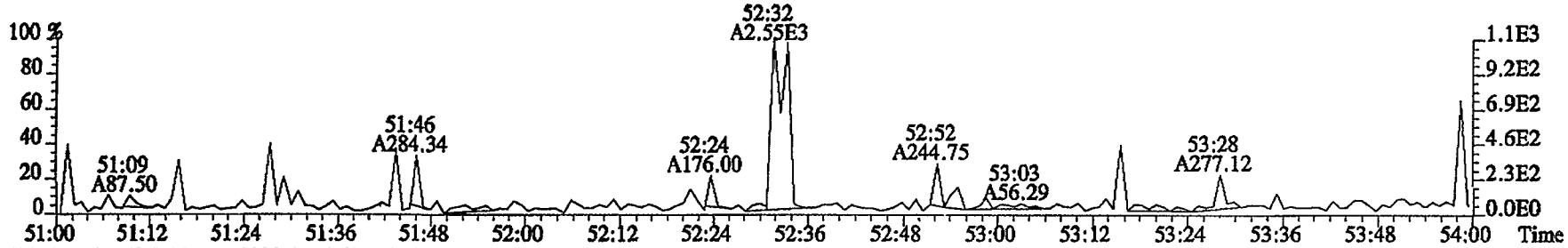
475.7619 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



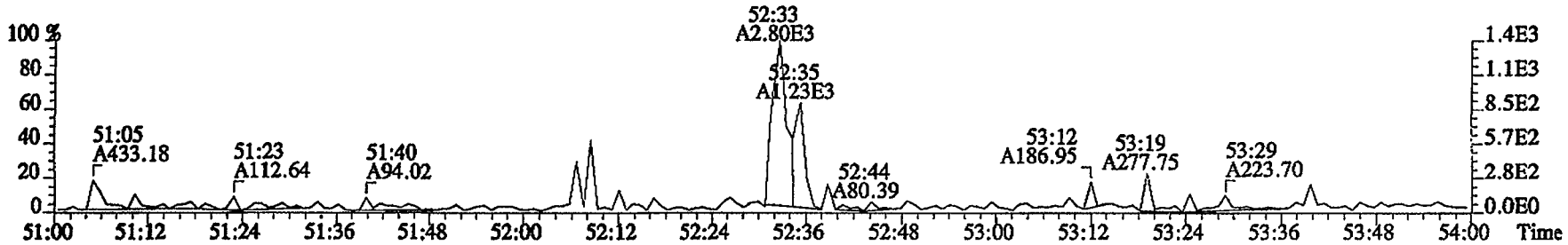
492.9697 S:7 F:5



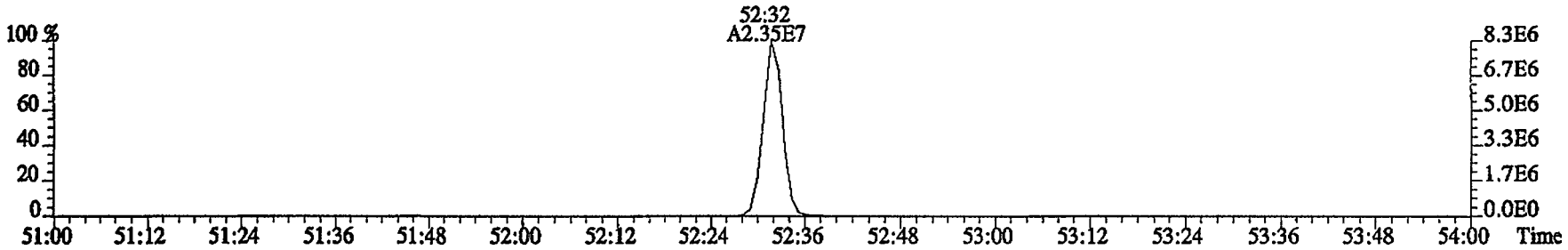
File:040519E1 #1-414 Acq:19-MAY-2004 16:56:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:24990_5892_003 84-AIR-104 1Train Exp:PCB_DB1
497.6826 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



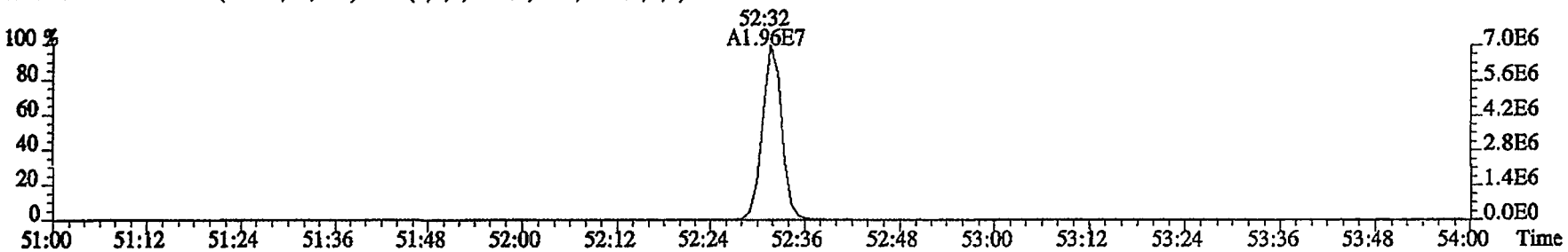
499.6797 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



509.7229 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



511.7199 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



Client ID: 84B-AIR-105 Filename: 040519E1 S:8 Acq:19-MAY-04 17:57:08 ConCal: ST040519E1-1
Lab ID: 24990_5892_004 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	*	* n	1.00	NotFnd	*	0.996-1.006	*
PCB-2	*	* n	0.84	NotFnd	*	0.984-0.994	*
PCB-3	*	* n	0.96	NotFnd	*	0.996-1.006	*
PCB-4/10	*	* n	1.81	NotFnd	*	0.998-1.008	*
PCB-7/9	*	* n	1.48	NotFnd	*	0.997-1.007	*
PCB-6	*	* n	1.48	NotFnd	*	1.027-1.037	*
PCB-5/8	*	* n	1.44	NotFnd	*	1.044-1.054	*
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	6.78e+05	1.62 y	1.45	23:46	1.152	1.148-1.159	0.129
PCB-12/13	*	* n	1.50	NotFnd	*	1.165-1.177	*
PCB-15	*	* n	1.70	NotFnd	*	1.180-1.192	*
PCB-19	*	* n	1.18	NotFnd	*	0.996-1.006	*
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	*	* n	0.69	NotFnd	*	0.950-0.960	*
PCB-17	*	* n	0.78	NotFnd	*	0.956-0.966	*
PCB-24/27	*	* n	0.99	NotFnd	*	0.977-0.987	*
PCB-16/32	*	* n	0.85	NotFnd	*	0.995-1.005	*
PCB-34	*	* n	1.19	NotFnd	*	0.956-0.966	*
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	*	* n	1.35	NotFnd	*	0.968-0.978	*
PCB-26	*	* n	1.28	NotFnd	*	0.975-0.985	*
PCB-25	*	* n	1.33	NotFnd	*	0.980-0.990	*
PCB-31	*	* n	1.30	NotFnd	*	0.991-1.001	*
PCB-28	*	* n	1.54	NotFnd	*	0.996-1.006	*
PCB-20/21/33	*	* n	1.27	NotFnd	*	1.016-1.026	*
PCB-22	*	* n	1.33	NotFnd	*	1.031-1.041	*
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	*	* n	1.42	NotFnd	*	0.982-0.992	*
PCB-37	*	* n	1.57	NotFnd	*	0.995-1.005	*
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	*	* n	0.71	NotFnd	*	1.059-1.069	*
PCB-51	*	* n	0.72	NotFnd	*	1.071-1.081	*
PCB-45	*	* n	0.62	NotFnd	*	1.087-1.097	*
PCB-46	*	* n	0.60	NotFnd	*	1.102-1.114	*

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	*	* n	0.81	NotFnd	*	1.119-1.131	*
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	*	* n	0.71	NotFnd	*	1.129-1.141	*
PCB-47	*	* n	0.73	NotFnd	*	1.136-1.148	*
PCB-48/75	*	* n	0.86	NotFnd	*	1.141-1.153	*
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	*	* n	0.61	NotFnd	*	1.164-1.176	*
PCB-42/59	*	* n	0.79	NotFnd	*	1.171-1.183	*
PCB-41/64/71/72	*	* n	0.88	NotFnd	*	1.193-1.205	*
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	*	* n	0.53	NotFnd	*	1.208-1.220	*
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	*	* n	1.12	NotFnd	*	0.886-0.895	*
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	*	* n	1.09	NotFnd	*	0.893-0.902	*
PCB-74	*	* n	1.15	NotFnd	*	0.900-0.909	*
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	*	* n	1.14	NotFnd	*	0.905-0.915	*
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	*	* n	1.31	NotFnd	*	0.911-0.921	*
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	*	* n	1.10	NotFnd	*	0.925-0.935	*
PCB-56/60	*	* n	1.09	NotFnd	*	0.936-0.946	*
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	*	* n	1.06	NotFnd	*	0.995-1.005	*
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	*	* n	1.09	NotFnd	*	0.995-1.005	*
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	*	* n	1.00	NotFnd	*	1.006-1.016	*
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84B-AIR-105 Filename: 040519E1 S:8 Acq:19-MAY-04 17:57:08 ConCal: ST040519E1-1

Lab ID: 24990_5892_004 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-84/92	*	* n	1.01	NotFnd	*	0.985	0.995	*
PCB-89	*	* n	0.96	NotFnd	*	0.990	1.000	*
PCB-90/101	*	* n	1.14	NotFnd	*	0.995	1.005	*
PCB-113	*	* n	1.19	NotFnd	*	1.001	1.011	*
PCB-99	*	* n	1.27	NotFnd	*	1.004	1.014	*
PCB-119	*	* n	1.45	NotFnd	*	1.016	1.026	*
PCB-108/112	*	* n	1.15	NotFnd	*	1.020	1.030	*
PCB-83	*	* n	1.31	NotFnd	*	1.024	1.034	*
PCB-97	*	* n	1.02	NotFnd	*	1.029	1.039	*
PCB-86	*	* n	0.91	NotFnd	*	1.032	1.042	*
B-87/117/125	*	* n	1.32	NotFnd	*	1.036	1.046	*
PCB-111/115	*	* n	1.46	NotFnd	*	1.040	1.050	*
PCB-85/116	*	* n	1.21	NotFnd	*	1.043	1.053	*
PCB-120	*	* n	1.53	NotFnd	*	1.050	1.060	*
PCB-110	*	* n	1.47	NotFnd	*	1.054	1.064	*
PCB-82	*	* n	0.70	NotFnd	*	0.972	0.982	*
PCB-124	*	* n	1.17	NotFnd	*	0.988	0.998	*
PCB-107/109	*	* n	1.21	NotFnd	*	0.991	1.001	*
PCB-123	*	* n	1.15	NotFnd	*	0.995	1.005	*
- PCB-106/118	*	* n	1.06	NotFnd	*	0.996	1.006	*
- PCB-114	*	* n	1.40	NotFnd	*	0.995	1.005	*
PCB-122	*	* n	1.45	NotFnd	*	0.979	0.989	*
PCB-105	*	* n	1.44	NotFnd	*	0.996	1.006	*
PCB-127	*	* n	1.35	NotFnd	*	1.004	1.014	*
PCB-126	*	* n	1.41	NotFnd	*	0.995	1.005	*
PCB-155	*	* n	1.12	NotFnd	*	0.995	1.005	*
PCB-150	*	* n	1.04	NotFnd	*	1.028	1.038	*
PCB-152	*	* n	1.03	NotFnd	*	1.041	1.051	*
PCB-145	*	* n	1.02	NotFnd	*	1.052	1.062	*
PCB-136	*	* n	1.00	NotFnd	*	1.061	1.071	*
PCB-148	*	* n	0.79	NotFnd	*	1.064	1.074	*
PCB-154	*	* n	0.92	NotFnd	*	1.077	1.087	*
PCB-151	*	* n	0.72	NotFnd	*	1.094	1.104	*
PCB-135	*	* n	0.70	NotFnd	*	1.098	1.110	*
PCB-144	*	* n	0.77	NotFnd	*	1.101	1.113	*
PCB-147	*	* n	0.83	NotFnd	*	1.105	1.117	*
PCB-139/149	*	* n	0.80	NotFnd	*	1.112	1.124	*

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
- PCB-140	*	* n	0.80	NotFnd	*	1.117	1.129	*
- PCB-134/143	*	* n	0.74	NotFnd	*	1.128	1.140	*
PCB-133/142	*	* n	0.74	NotFnd	*	1.136	1.148	*
PCB-131	*	* n	0.72	NotFnd	*	1.140	1.152	*
PCB-146/165	*	* n	1.01	NotFnd	*	0.986	0.996	*
PCB-132/161	*	* n	0.96	NotFnd	*	0.991	1.001	*
PCB-153	*	* n	1.03	NotFnd	*	0.995	1.005	*
PCB-168	*	* n	1.11	NotFnd	*	1.000	1.010	*
PCB-141	*	* n	0.89	NotFnd	*	1.012	1.022	*
PCB-137	*	* n	0.84	NotFnd	*	1.021	1.031	*
PCB-130	*	* n	0.77	NotFnd	*	1.023	1.033	*
PCB-138/163/164	*	* n	1.09	NotFnd	*	1.032	1.042	*
PCB-158/160	*	* n	1.16	NotFnd	*	1.037	1.047	*
PCB-129	*	* n	0.73	NotFnd	*	1.042	1.052	*
PCB-166	*	* n	0.93	NotFnd	*	0.974	0.984	*
PCB-159	*	* n	0.99	NotFnd	*	0.981	0.991	*
PCB-128/162	*	* n	0.84	NotFnd	*	0.987	0.997	*
PCB-167	*	* n	0.97	NotFnd	*	0.995	1.005	*
PCB-156	*	* n	1.04	NotFnd	*	0.995	1.005	*
PCB-157	*	* n	0.96	NotFnd	*	0.996	1.006	*
PCB-169	*	* n	0.96	NotFnd	*	0.995	1.005	*
PCB-188	*	* n	1.47	NotFnd	*	0.995	1.005	*
PCB-184	*	* n	1.48	NotFnd	*	1.005	1.015	*
PCB-179	*	* n	1.38	NotFnd	*	1.023	1.033	*
PCB-176	*	* n	1.34	NotFnd	*	1.034	1.044	*
PCB-186	*	* n	1.38	NotFnd	*	1.048	1.058	*
PCB-178	*	* n	0.99	NotFnd	*	1.059	1.069	*
PCB-175	*	* n	0.98	NotFnd	*	1.067	1.077	*
PCB-182/187	*	* n	1.16	NotFnd	*	1.071	1.081	*
PCB-183	*	* n	1.12	NotFnd	*	1.078	1.088	*
PCB-185	*	* n	1.38	NotFnd	*	0.952	0.962	*
PCB-174	*	* n	1.46	NotFnd	*	0.959	0.969	*
PCB-181	*	* n	1.42	NotFnd	*	0.961	0.971	*
PCB-177	*	* n	1.35	NotFnd	*	0.964	0.974	*
PCB-171	*	* n	1.45	NotFnd	*	0.970	0.980	*
PCB-173	*	* n	1.29	NotFnd	*	0.978	0.988	*
PCB-172	*	* n	1.30	NotFnd	*	0.987	0.997	*

RL: MONO, TRI: 0.0500ng/g Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100ng/g

RL: OCTA - DECA: 0.150ng/g Date: 5-20-04

Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
PCB-192	*	* n	1.70	NotFnd	*	0.991	1.001	*
PCB-180	*	* n	1.50	NotFnd	*	0.995	1.005	*
PCB-193	*	* n	1.94	NotFnd	*	0.999	1.009	*
PCB-191	*	* n	1.79	NotFnd	*	1.004	1.014	*
PCB-170	*	* n	1.53	NotFnd	*	0.995	1.005	*
PCB-190	*	* n	2.02	NotFnd	*	0.999	1.009	*
PCB-189	*	* n	1.42	NotFnd	*	0.995	1.005	*
PCB-202	*	* n	1.00	NotFnd	*	0.996	1.006	*
PCB-201	*	* n	0.99	NotFnd	*	1.005	1.015	*
PCB-204	*	* n	1.02	NotFnd	*	1.008	1.018	*
PCB-197	*	* n	1.04	NotFnd	*	1.014	1.025	*
PCB-200	*	* n	0.98	NotFnd	*	1.032	1.042	*
PCB-198	*	* n	0.68	NotFnd	*	1.060	1.070	*
PCB-199	*	* n	0.74	NotFnd	*	1.062	1.072	*
- PCB-196/203	*	* n	0.79	NotFnd	*	1.068	1.078	*
- PCB-195	*	* n	1.18	NotFnd	*	0.979	0.989	*
PCB-194	*	* n	1.28	NotFnd	*	0.995	1.005	*
PCB-205	*	* n	1.67	NotFnd	*	1.000	1.010	*
PCB-208	*	* n	0.94	NotFnd	*	0.995	1.005	*
PCB-207	*	* n	0.84	NotFnd	*	1.001	1.014	*
PCB-206	*	* n	0.88	NotFnd	*	0.995	1.005	*
PCB-209	*	* n	1.11	NotFnd	*	0.995	1.005	*

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	*	* n	NotFnd	0.93	*	
Total Di-PCB	6.78e+05	1.62 y	23:46	1.51	0.129	
Total Tri-PCB	*	* n	NotFnd	0.99	*	
Total Tri-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Tetra-PCB	*	* n	NotFnd	0.81	*	
Total Penta-PCB	*	* n	NotFnd	1.10	*	
Total Penta-PCB	*	* n	NotFnd	1.41	*	Sum:0.00
Total Hexa-PCB	*	* n	NotFnd	0.88	*	
Total Hexa-PCB	*	* n	NotFnd	0.92	*	Sum:0.00
Total Hepta-PCB	*	* n	NotFnd	1.37	*	
Total Octa-PCB	*	* n	NotFnd	0.89	*	
Total Octa-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	* n	NotFnd	0.89	*	
Total Deca-PCB	*	* n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [signature]

Date: 5.20.04

Client ID: [illegible]B-AIR-105 Filename: 040519E1 S:8 Acq:19-MAY-04 17:57:08 ConCal: ST040519E1-1
Lab ID: 24990_5892_004 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

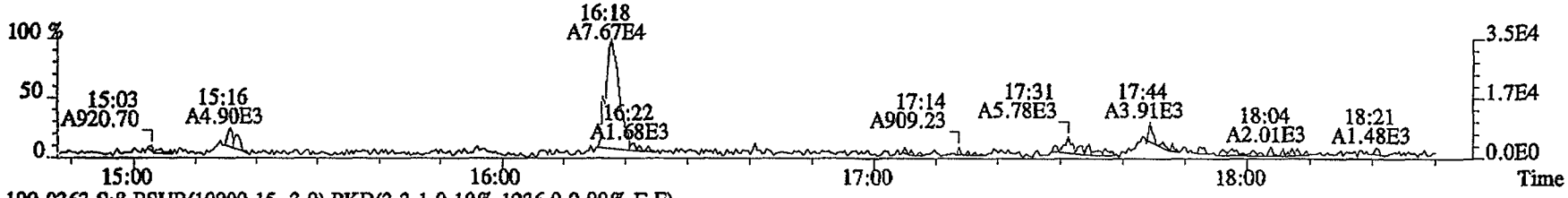
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	8.13e+07	3.32 y	1.09	15:15	0.625	0.624-0.630	14.1	70.4
13C-PCB-3	9.80e+07	3.14 y	1.24	17:43	0.726	0.723-0.731	14.9	74.3
13C-PCB-4	4.59e+07	1.59 y	0.59	18:57	0.776	0.774-0.782	14.7	73.5
13C-PCB-9	7.25e+07	1.60 y	0.90	20:38	0.845	0.842-0.850	15.2	76.0
13C-PCB-19	5.00e+07	1.07 y	0.70	22:47	0.838	0.835-0.843	15.5	77.5
13C-PCB-28	7.53e+07	1.07 y	1.09	27:17	1.004	0.998-1.008	14.9	74.7
13C-PCB-32	8.89e+07	1.07 y	1.18	25:29	0.937	0.932-0.942	16.4	81.8
13C-PCB-37	7.16e+07	1.10 y	0.93	30:51	1.135	1.128-1.140	16.7	83.5
13C-PCB-54	6.80e+07	0.80 y	1.15	26:14	0.765	0.762-0.770	14.2	70.8
13C-PCB-77	6.55e+07	0.78 y	1.01	36:56	1.077	1.071-1.081	15.5	77.7
13C-PCB-81	6.55e+07	0.80 y	0.98	36:23	1.061	1.056-1.066	16.0	80.2
13C-PCB-95	3.84e+07	1.54 y	0.73	33:25	0.914	0.910-0.920	16.3	81.6
13C-PCB-101	3.90e+07	1.56 y	0.73	34:58	0.957	0.952-0.962	16.5	82.4
13C-PCB-104	5.19e+07	1.57 y	0.93	30:32	0.835	0.832-0.840	17.1	85.7
13C-PCB-105	4.89e+07	1.62 y	1.09	40:02	0.962	0.957-0.967	19.5	97.4
13C-PCB-114	4.96e+07	1.58 y	1.13	39:15	0.944	0.938-0.948	19.0	95.1
13C-PCB-118	5.03e+07	1.58 y	0.98	38:40	1.057	1.053-1.063	15.8	78.8
13C-PCB-123	4.68e+07	1.56 y	0.87	38:29	1.053	1.048-1.058	16.5	82.4
13C-PCB-126	4.84e+07	1.58 y	1.06	42:05	1.012	1.006-1.016	19.9	99.3
13C-PCB-153	4.43e+07	1.25 y	1.12	40:10	0.966	0.961-0.971	17.1	85.7
13C-PCB-155	4.69e+07	1.28 y	0.97	34:32	0.830	0.827-0.835	14.9	74.3
13C-PCB-156	5.52e+07	1.29 y	1.24	44:34	1.072	1.066-1.076	19.2	95.9
13C-PCB-157	5.48e+07	1.27 y	1.33	44:48	1.077	1.072-1.082	17.8	89.1
13C-PCB-167	4.72e+07	1.28 y	1.28	43:24	1.043	1.038-1.048	15.9	79.5
13C-PCB-169	5.17e+07	1.27 y	1.26	46:46	1.125	1.118-1.130	17.7	88.6
13C-PCB-170	2.10e+07	0.46 y	0.56	47:05	1.132	1.125-1.137	16.3	81.7
13C-PCB-180	2.36e+07	0.46 y	0.65	45:43	1.099	1.094-1.104	15.6	78.2
13C-PCB-188	3.34e+07	0.45 y	0.92	39:49	0.957	0.952-0.962	15.6	78.1
13C-PCB-189	4.43e+07	0.47 y	0.85	48:29	1.166	1.158-1.170	22.7	113
13C-PCB-194	3.57e+07	0.90 y	0.71	49:53	0.995	0.990-1.000	13.9	69.6
13C-PCB-202	3.89e+07	0.92 y	1.02	44:43	1.075	1.070-1.080	16.6	82.9
13C-PCB-206	3.41e+07	0.78 y	0.65	51:19	1.024	1.019-1.029	14.6	72.9
13C-PCB-208	4.15e+07	0.78 y	0.94	49:11	0.981	0.977-0.987	12.3	61.4
13C-PCB-209	4.62e+07	1.18 y	0.97	52:32	1.048	1.044-1.054	13.2	65.8
13C-PCB-15	1.06e+08	1.59 y	1.00	24:25			20.0	-
13C-PCB-31	9.22e+07	1.08 y	1.00	27:12			20.0	-
13C-PCB-60	8.36e+07	0.78 y	1.00	34:18			20.0	-
13C-PCB-111	6.50e+07	1.56 y	1.00	36:34			20.0	-
13C-PCB-138	4.62e+07	1.28 y	1.00	41:35			20.0	-
13C-PCB-205	7.23e+07	0.92 y	1.00	50:08			20.0	-

Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	6.74e+07	0.81	y	29:29	0.82	25.2	101
13C-PCB-178	2.55e+07	0.45	y	42:20	0.90	24.0	96.1

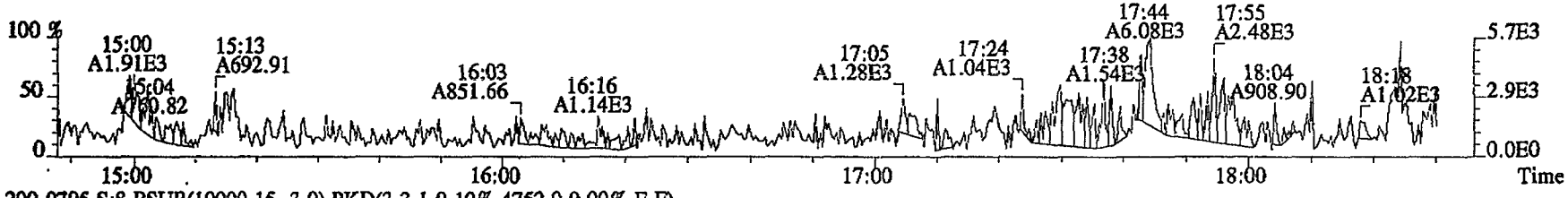
Integrations by Analyst: [signature]

Date: 5-20-04

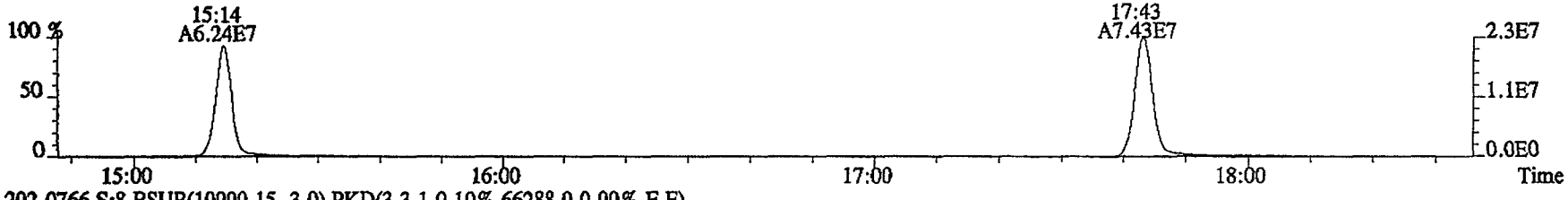
File:040519E1 #1-728 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
188.0393 S:8 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1896.0,0.00%,F,F)



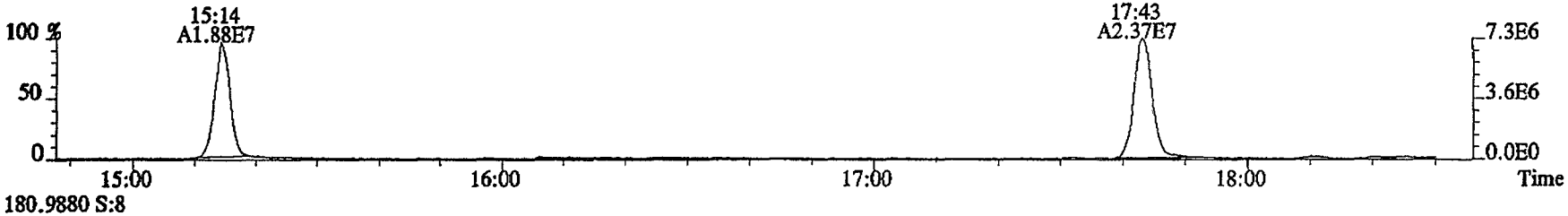
190.0363 S:8 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1236.0,0.00%,F,F)



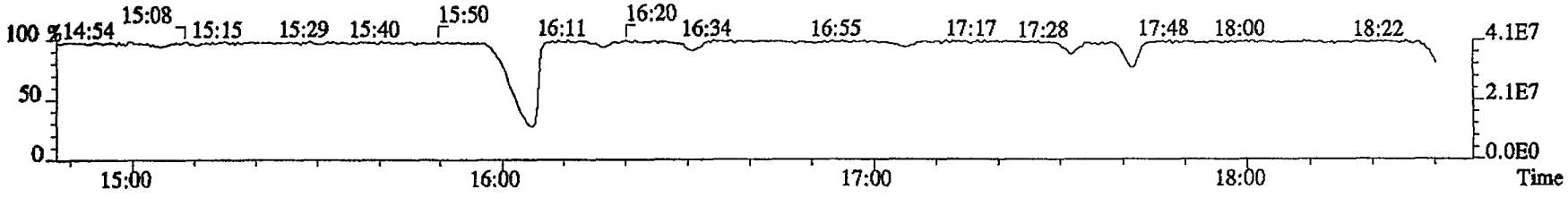
200.0795 S:8 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4752.0,0.00%,F,F)



202.0766 S:8 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,66288.0,0.00%,F,F)

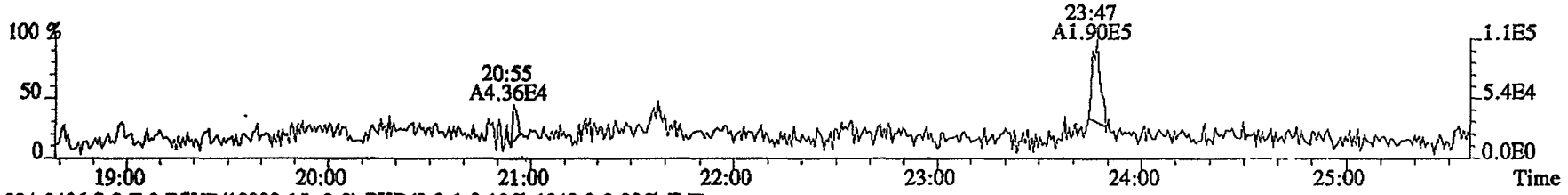


180.9880 S:8

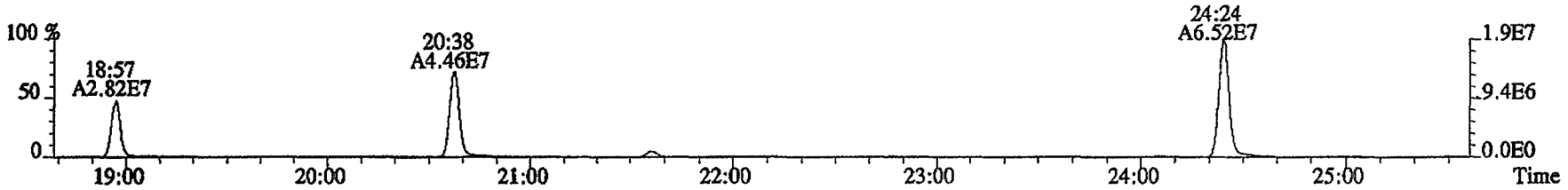


File:040519E1 #1-686 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3164.0,0.00%,F,F)

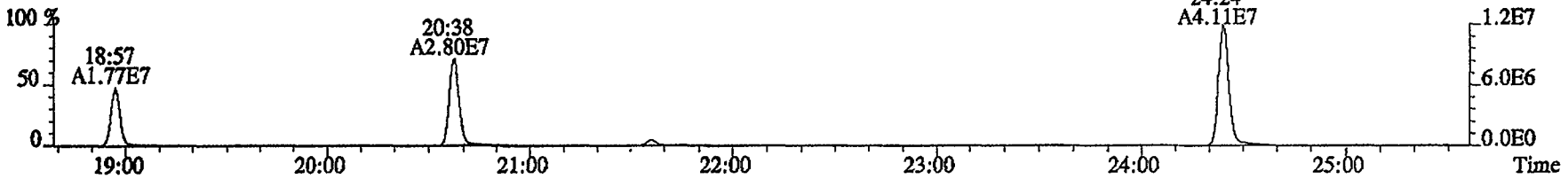
223.9974 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25928.0,0.00%,F,F)



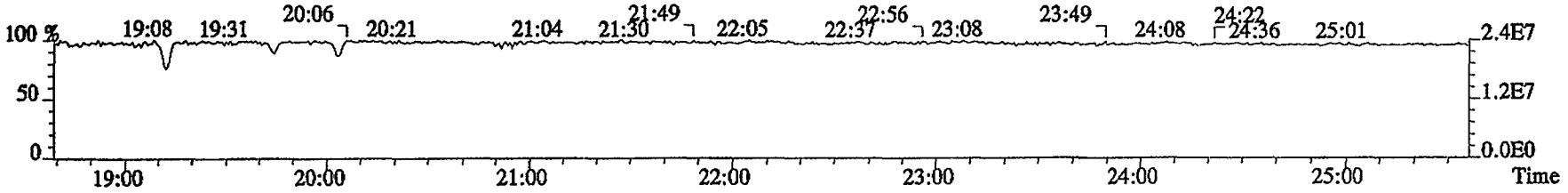
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1348.0,0.00%,F,F)



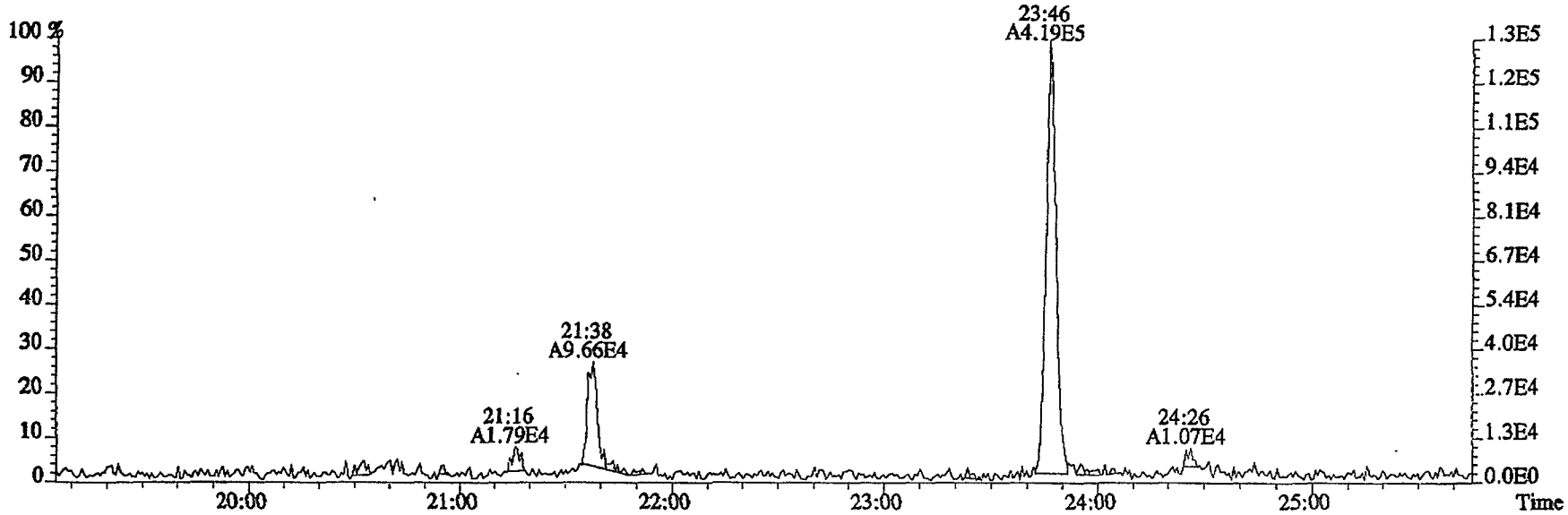
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,664.0,0.00%,F,F)



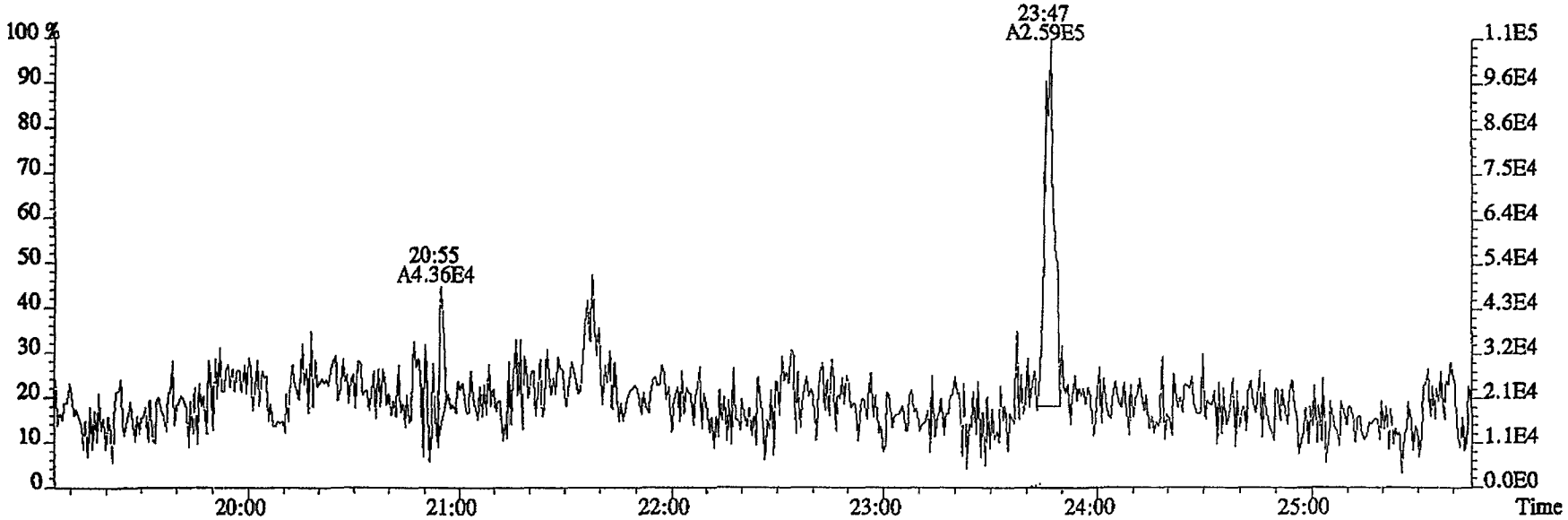
230.9856 S:8 F:2



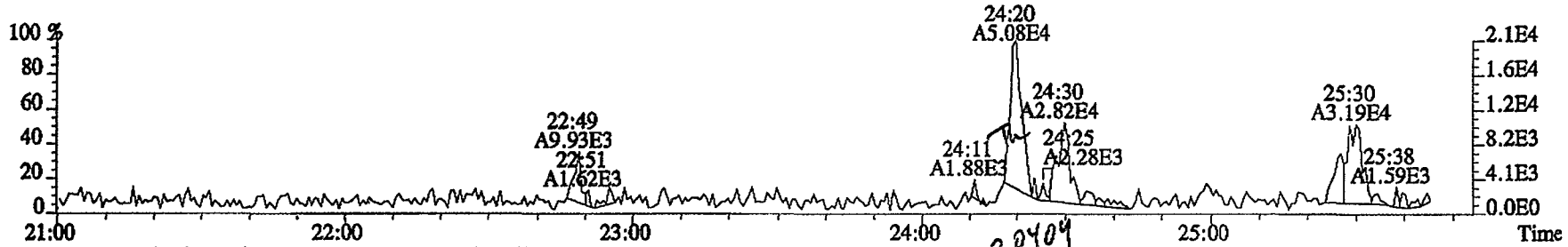
File:040519E1 #1-686 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3164.0,0.00%,F,F)



223.9974 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25928.0,0.00%,F,F)

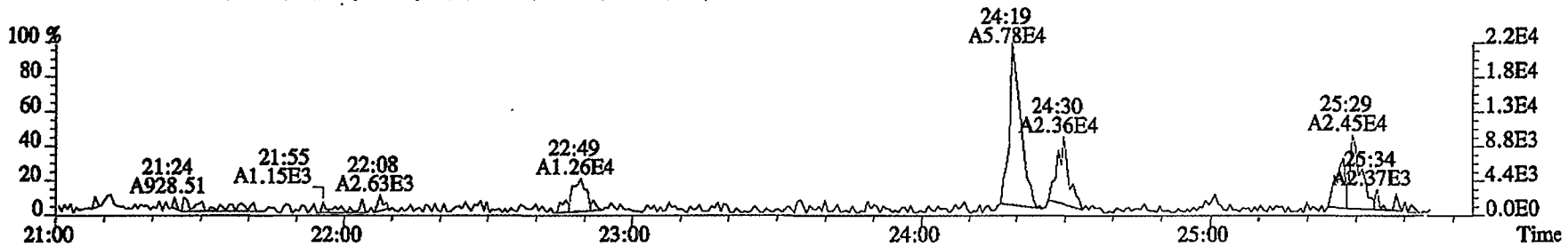


File:040519E1 #1-686 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1868.0,0.00%,F,F)

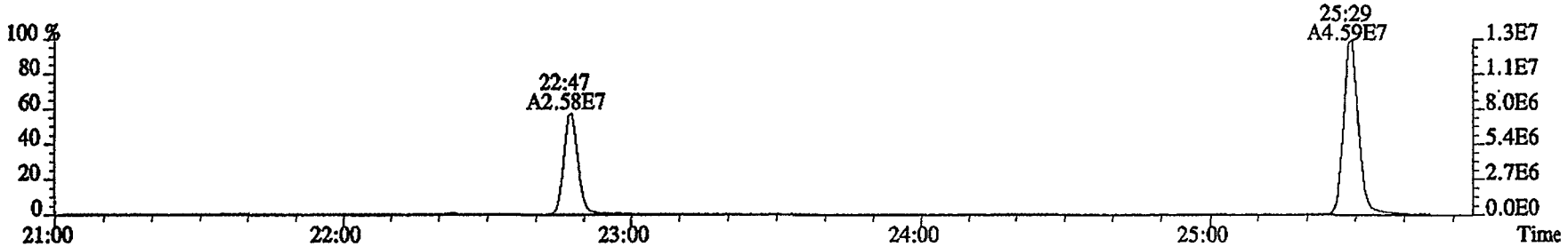


0.0409

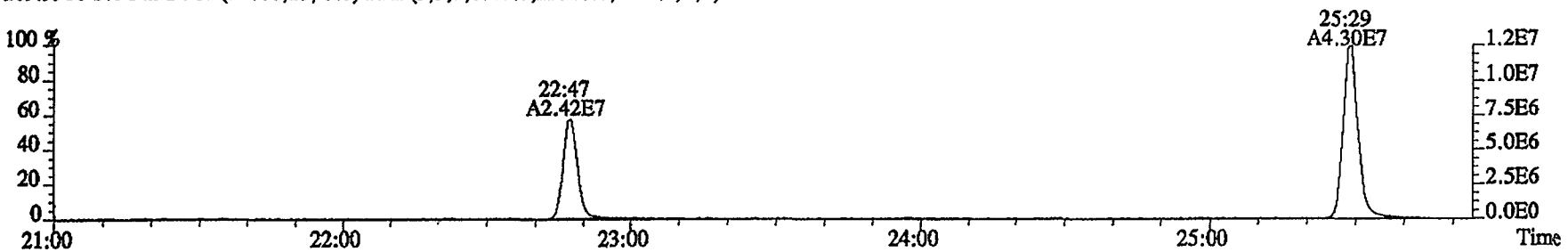
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1296.0,0.00%,F,F)



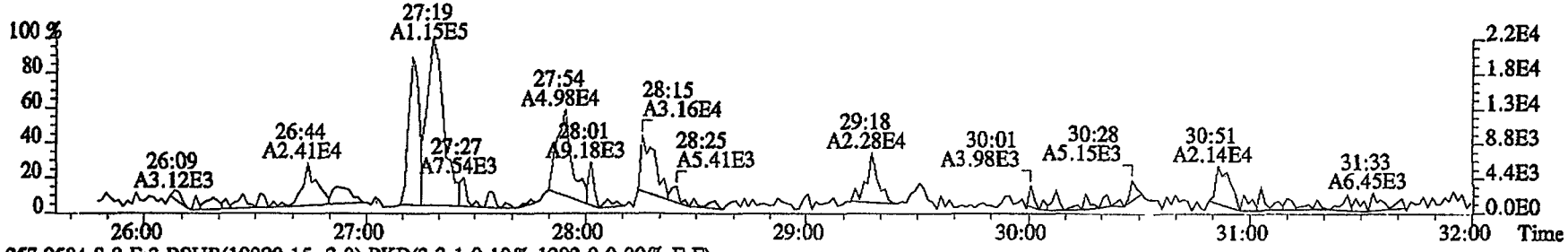
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,42276.0,0.00%,F,F)



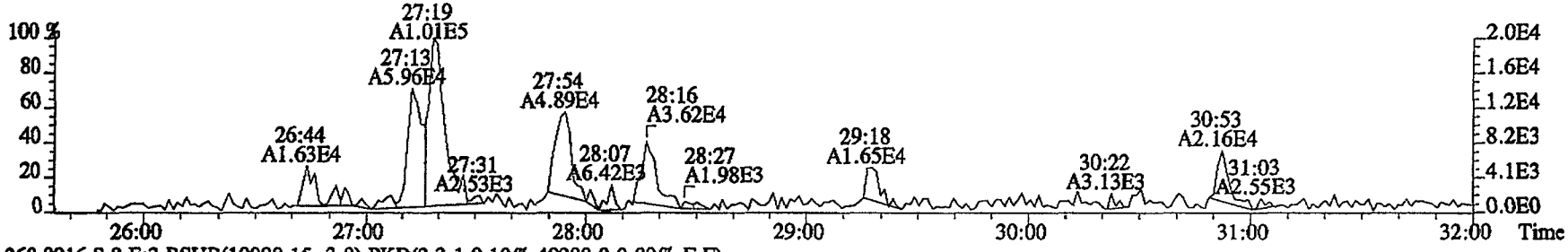
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22548.0,0.00%,F,F)



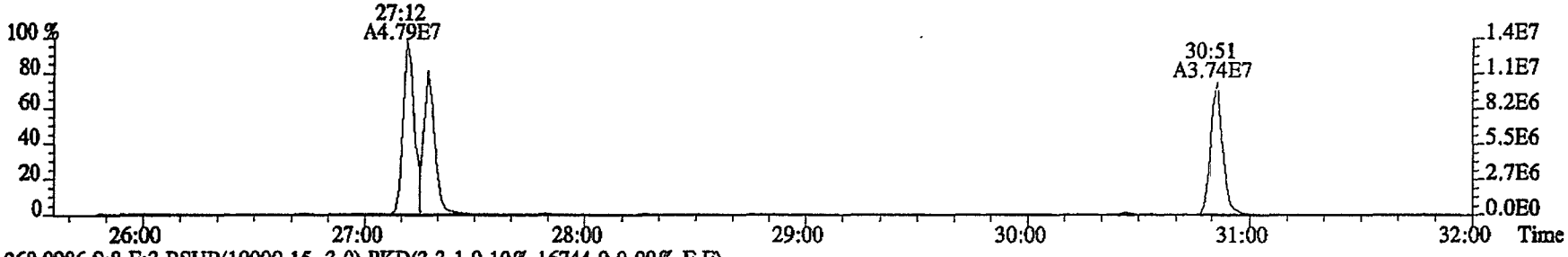
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1648.0,0.00%,F,F)



257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1292.0,0.00%,F,F)

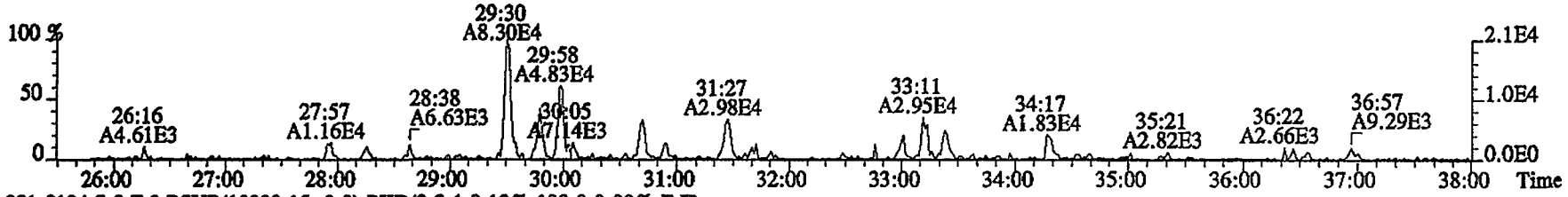


268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,49200.0,0.00%,F,F)

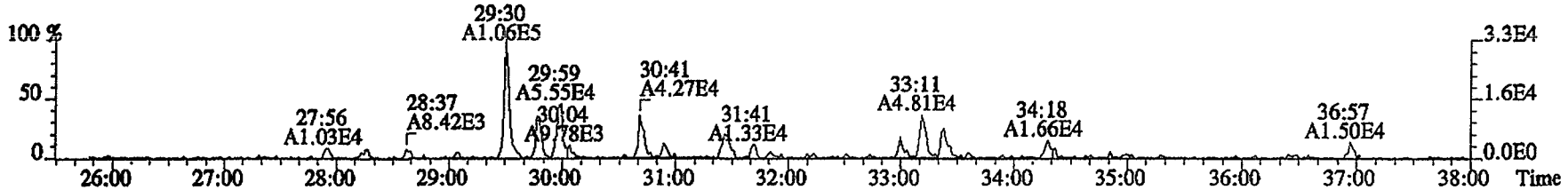


269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16744.0,0.00%,F,F)

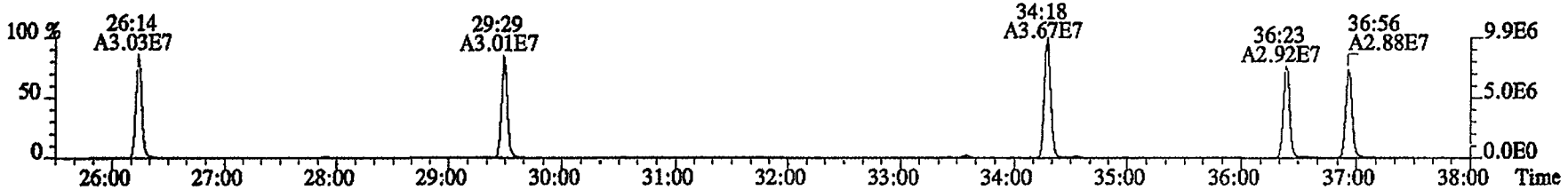
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



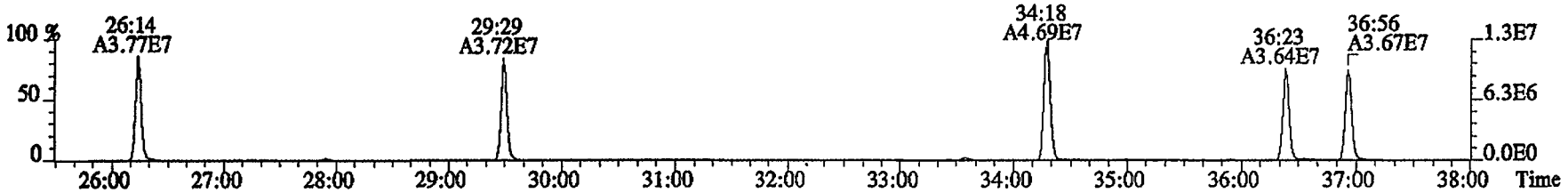
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



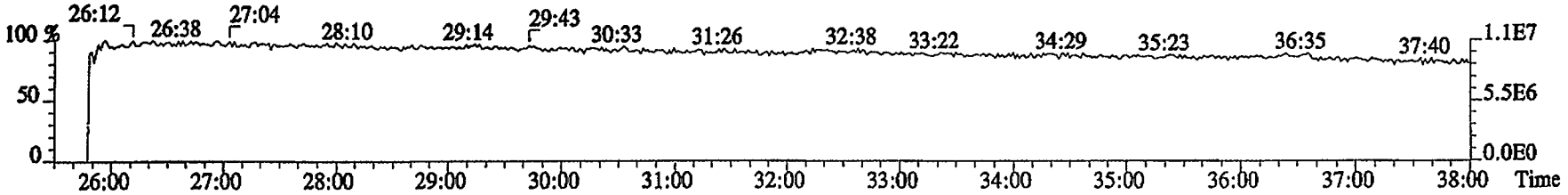
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2744.0,0.00%,F,F)



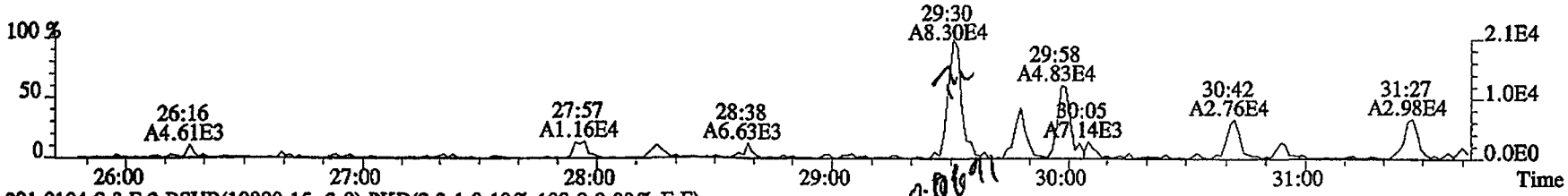
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



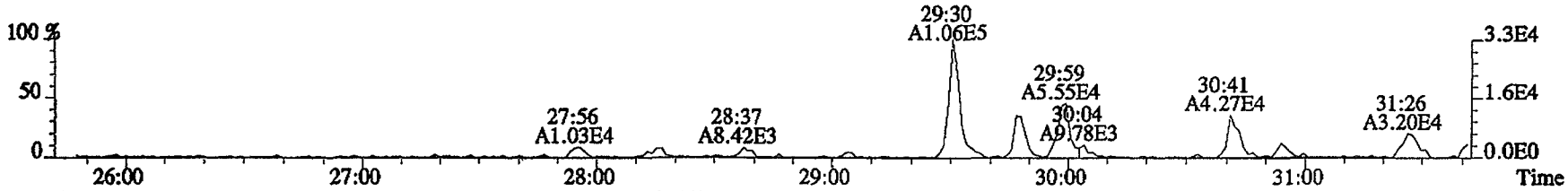
330.9792 S:8 F:3



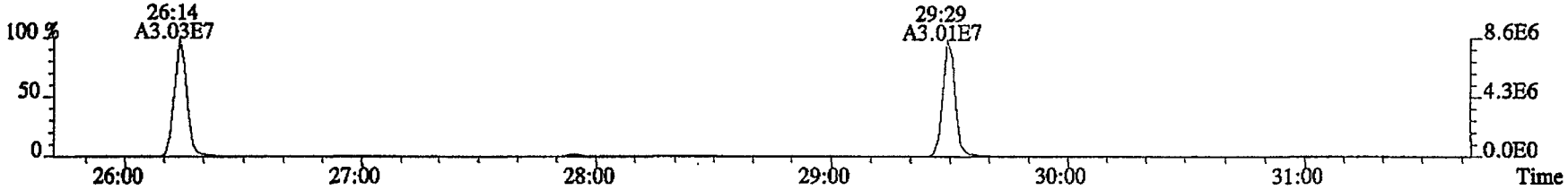
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



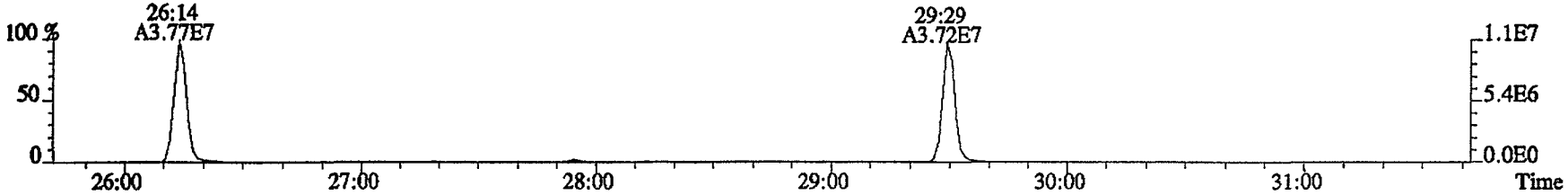
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



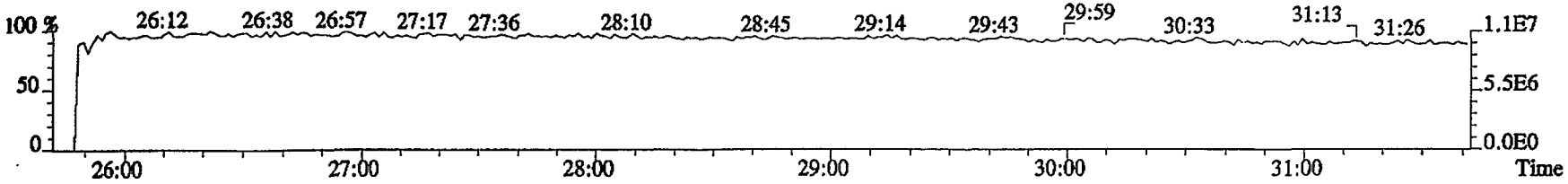
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2744.0,0.00%,F,F)



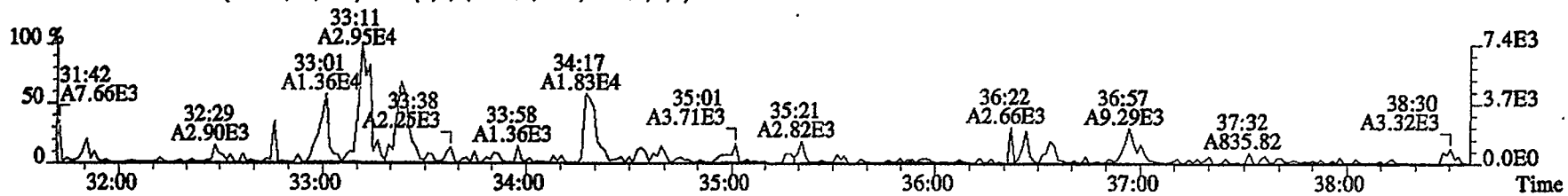
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



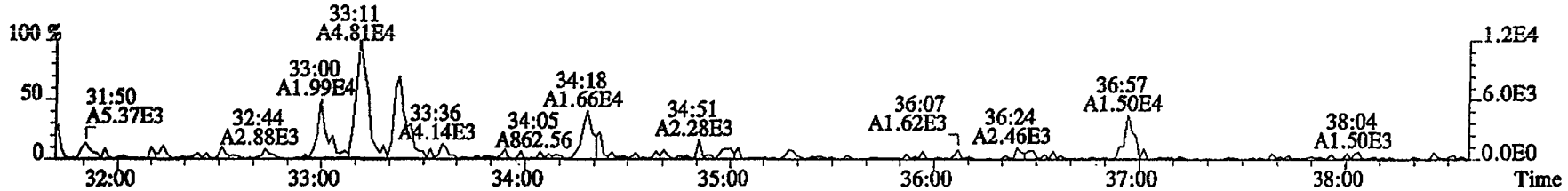
330.9792 S:8 F:3



File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)

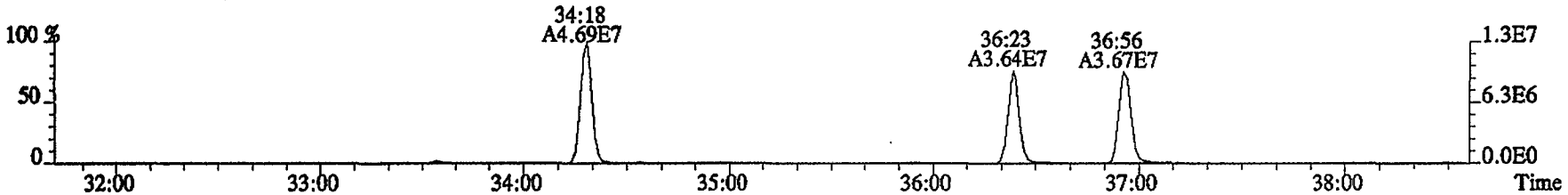


291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)

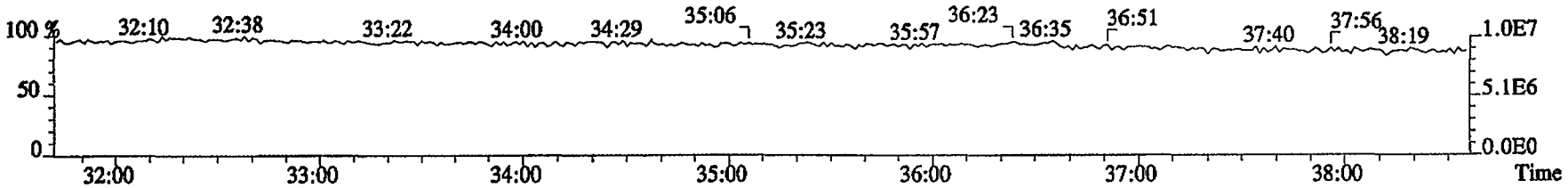


301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2744.0,0.00%,F,F)

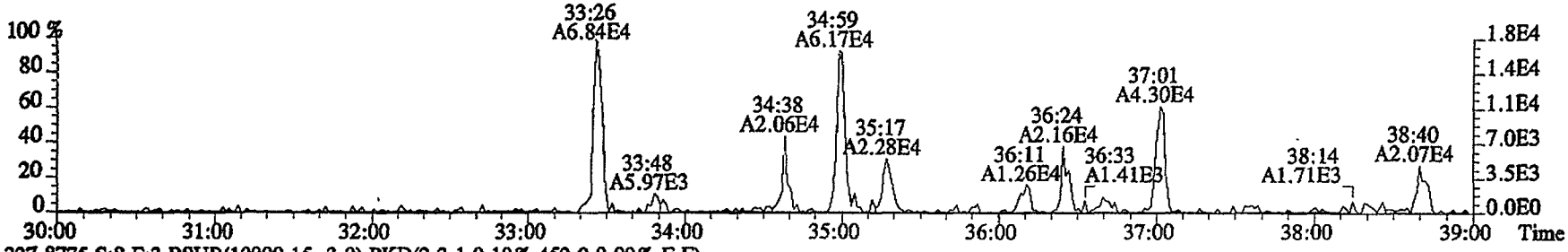
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



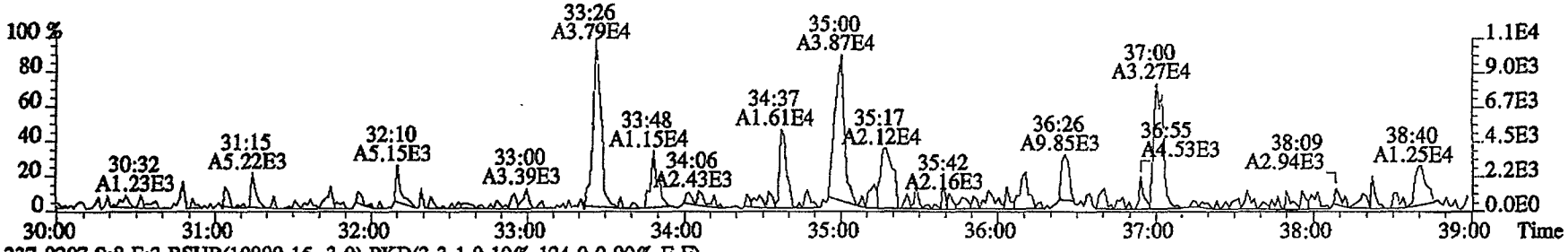
330.9792 S:8 F:3



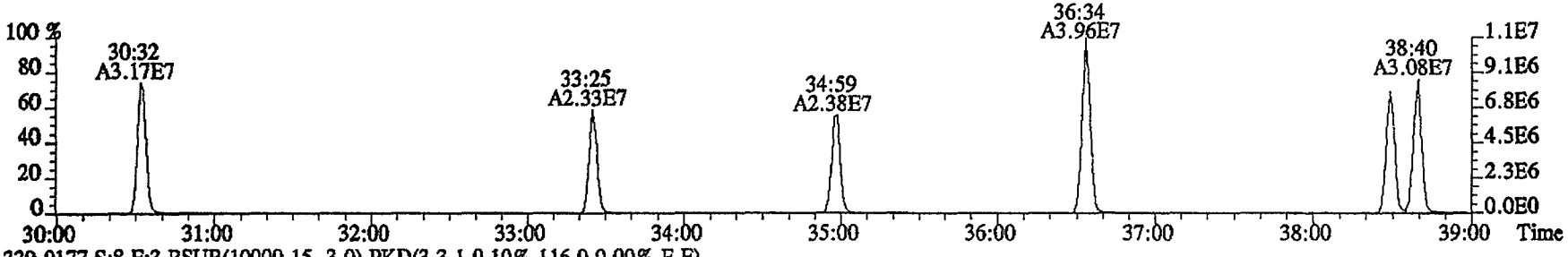
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
325.8804 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



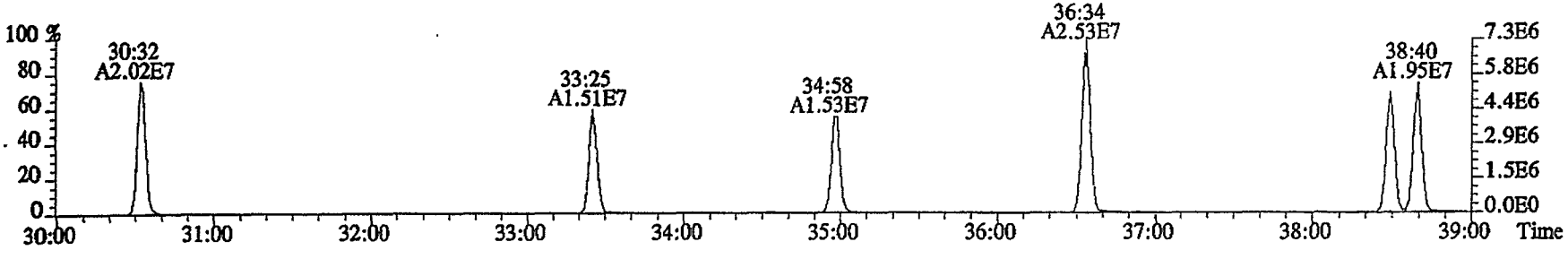
327.8775 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,452.0,0.00%,F,F)



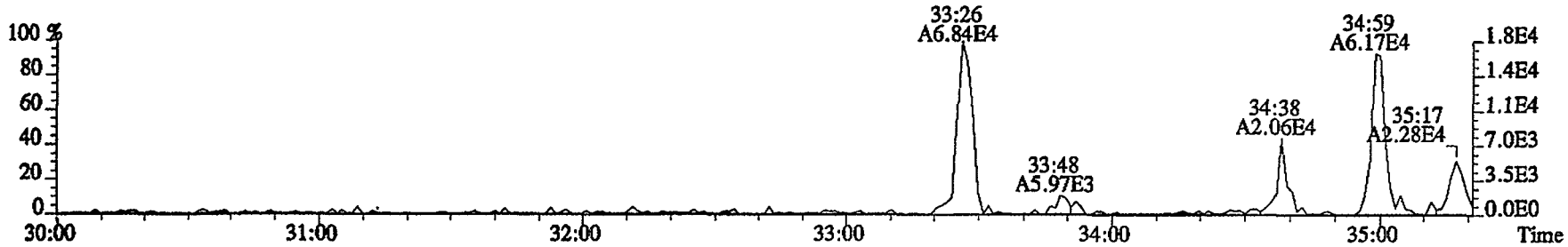
337.9207 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



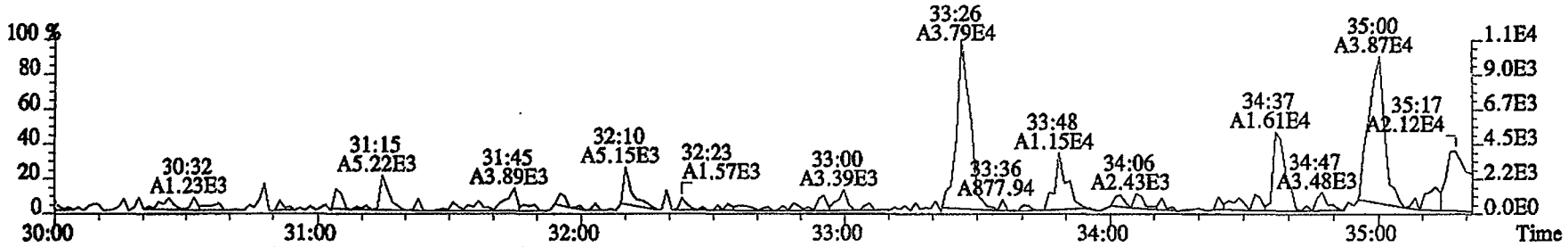
339.9177 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



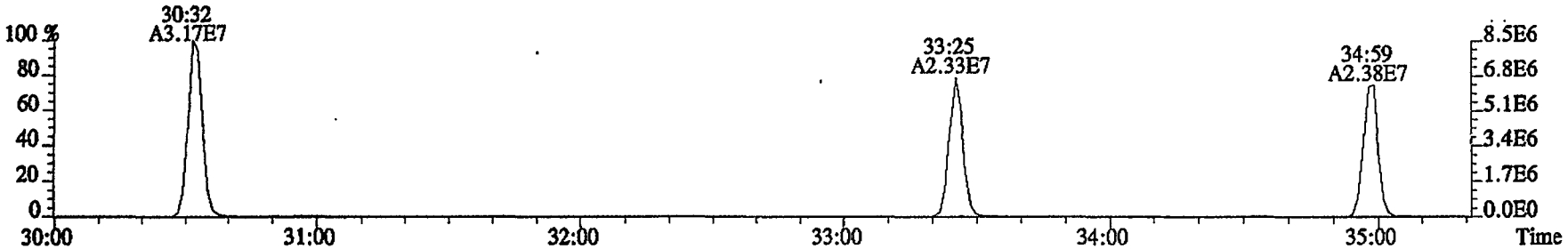
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
325.8804 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



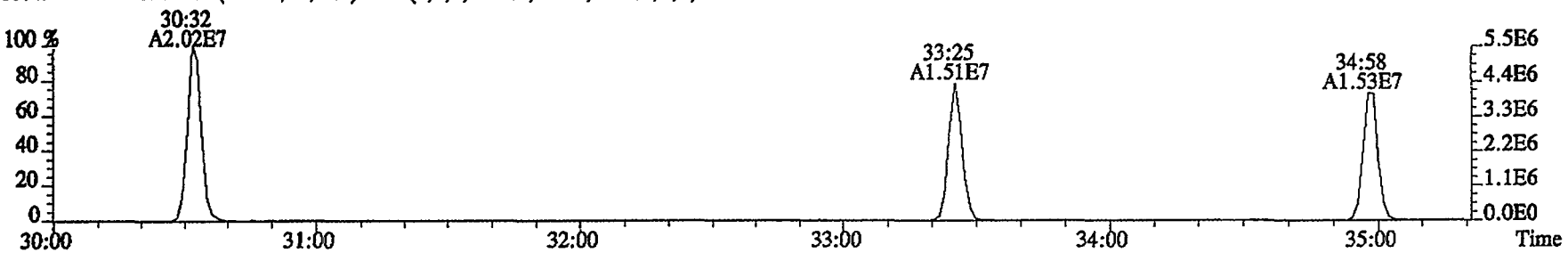
327.8775 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,452.0,0.00%,F,F)



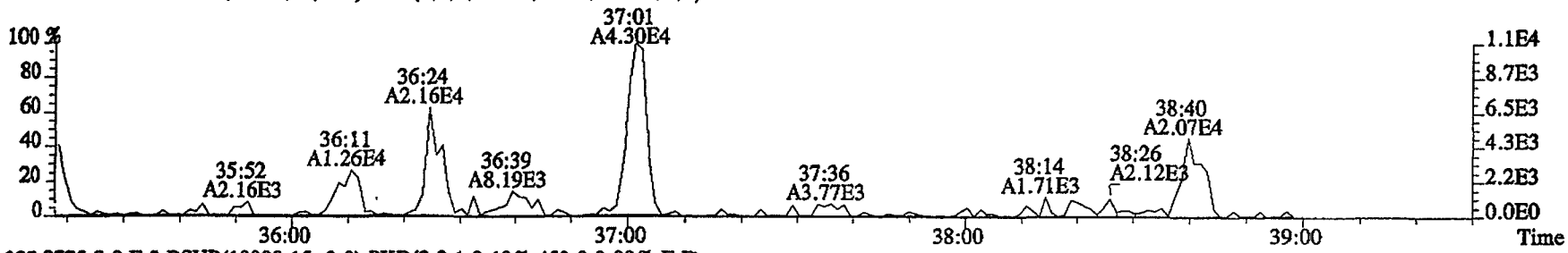
337.9207 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



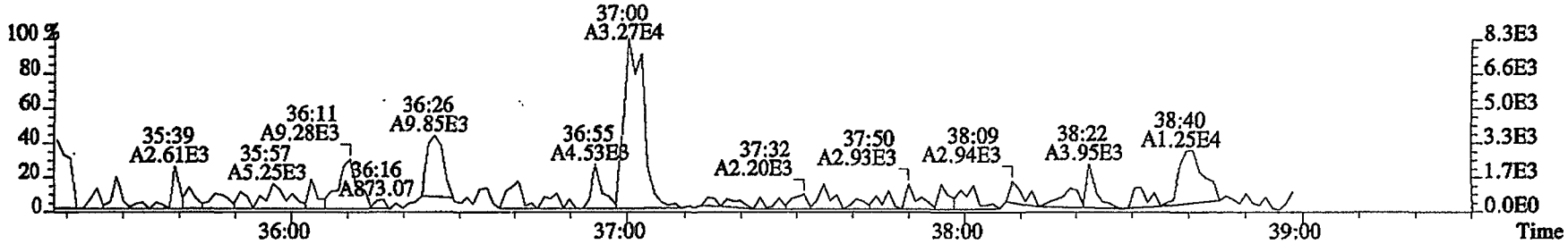
339.9177 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



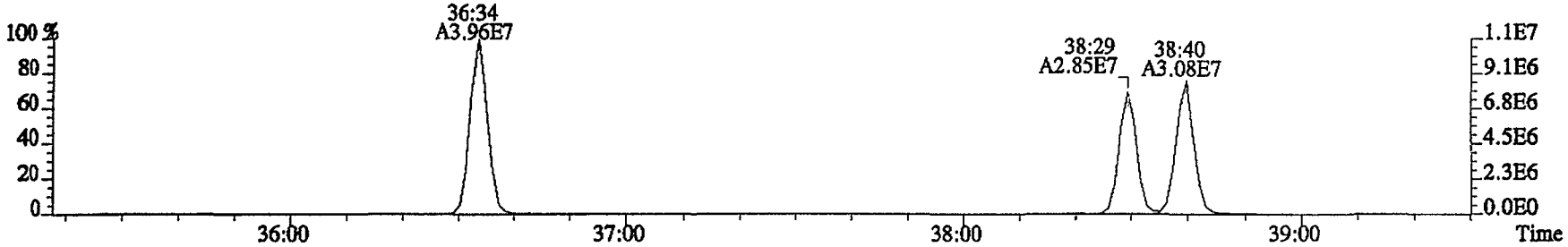
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
325.8804 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



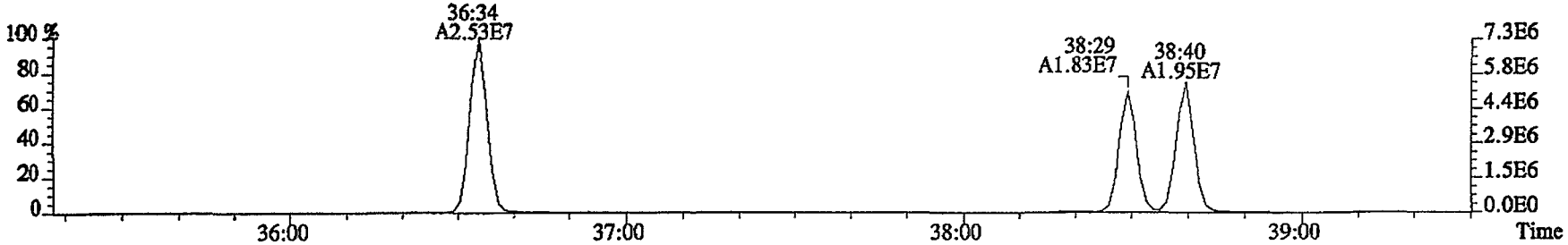
327.8775 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,452.0,0.00%,F,F)



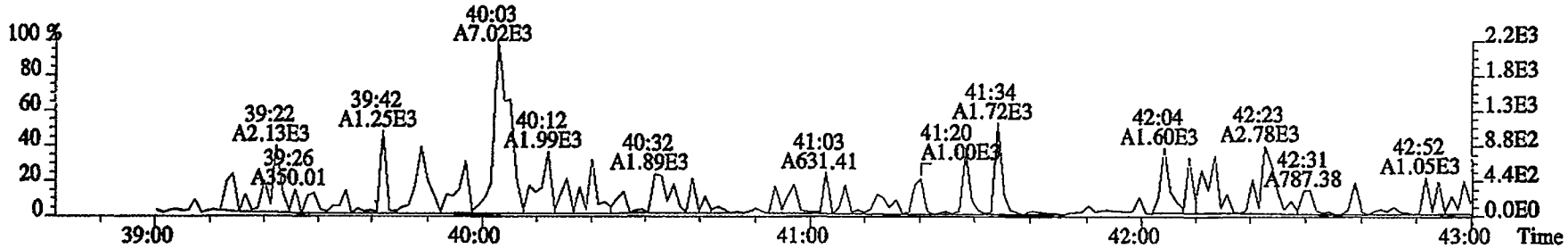
337.9207 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



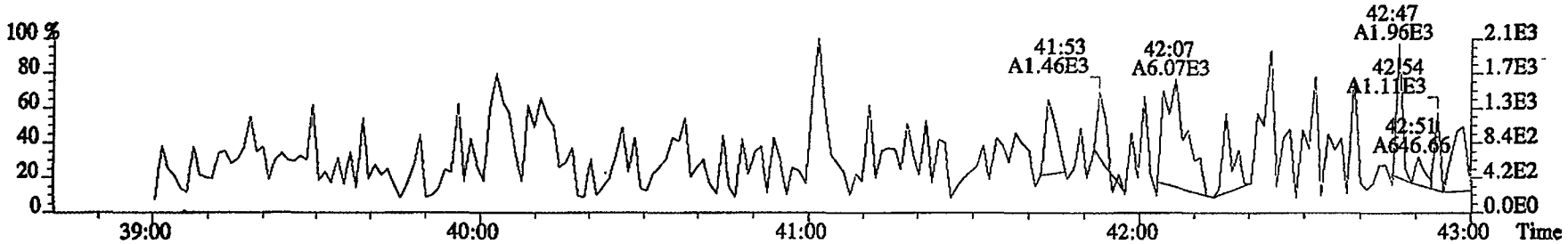
339.9177 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



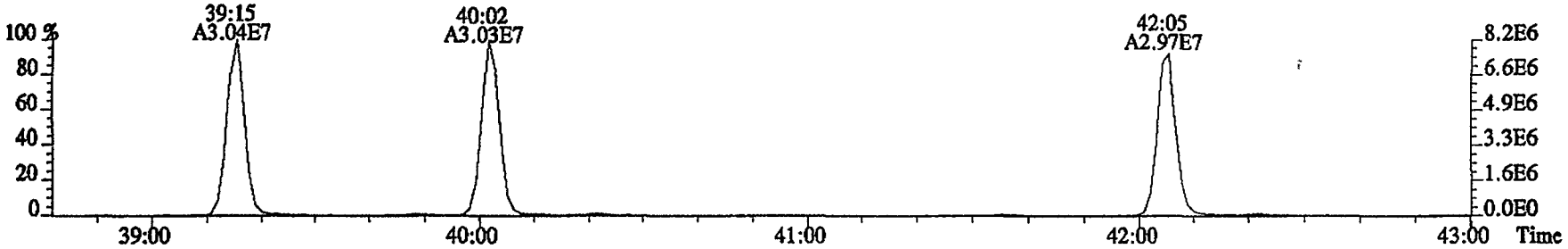
File:040519E1 #1-510 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



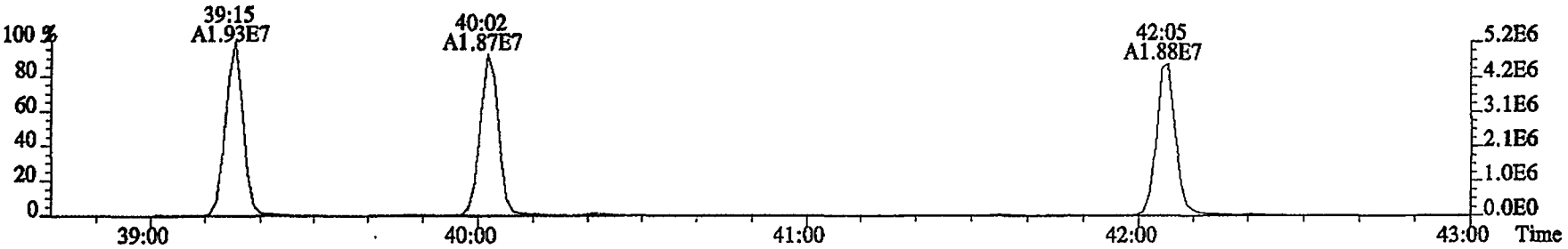
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,944.0,0.00%,F,F)



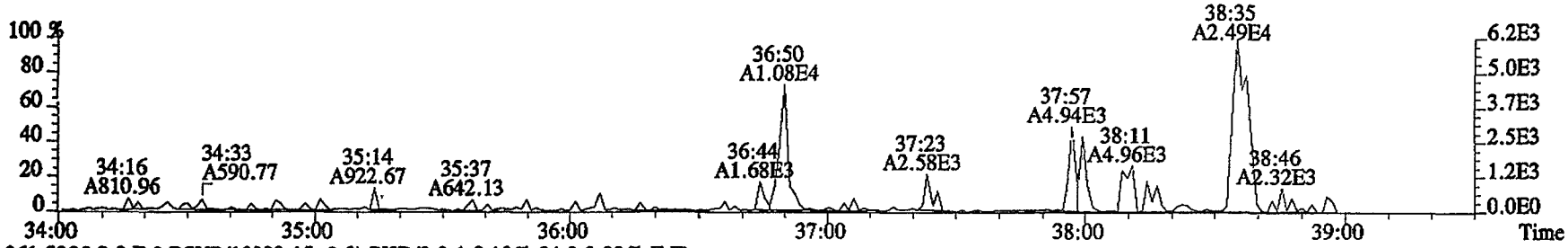
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



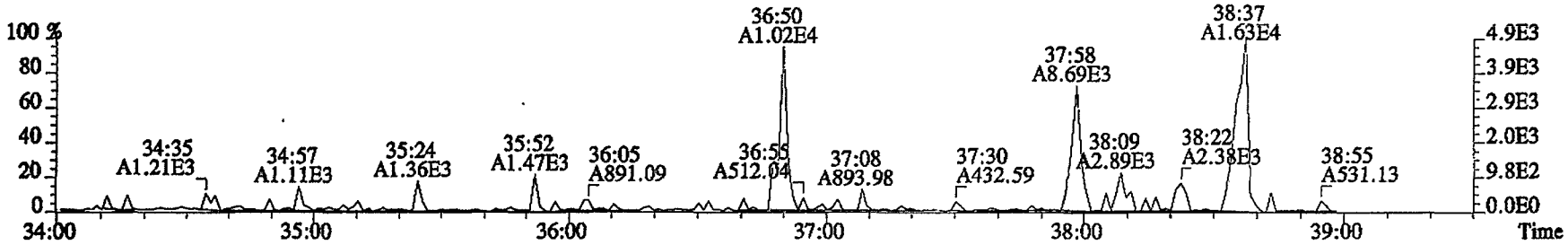
339.9177 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1288.0,0.00%,F,F)



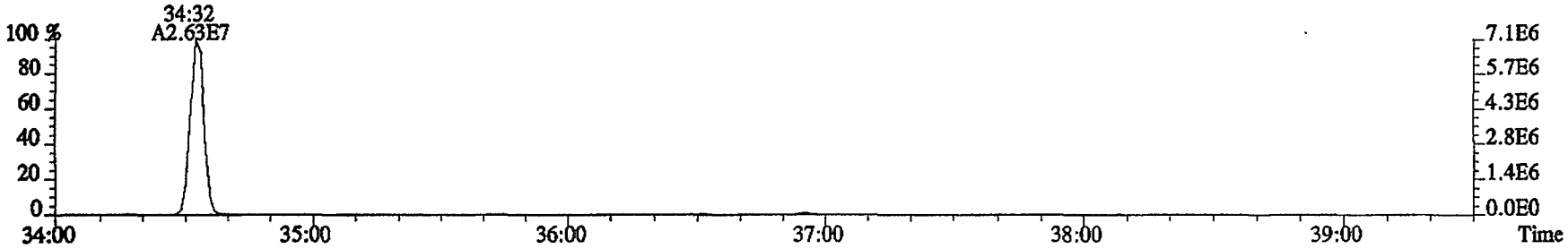
File:040519E1 #1-685 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
359.8415 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



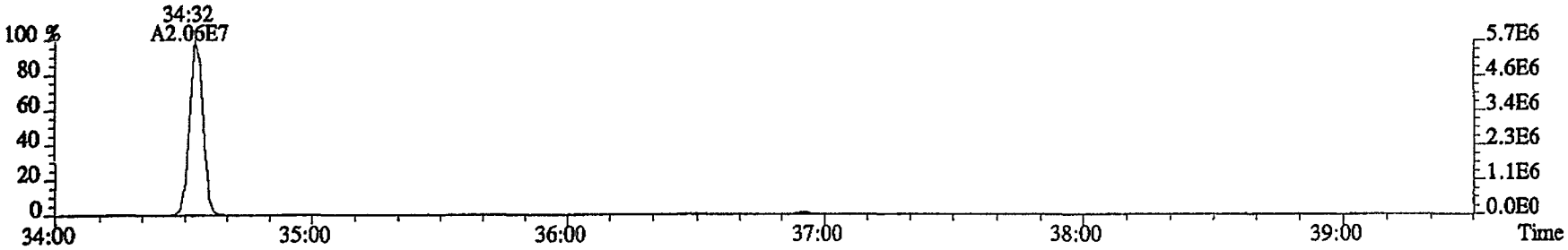
361.8385 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



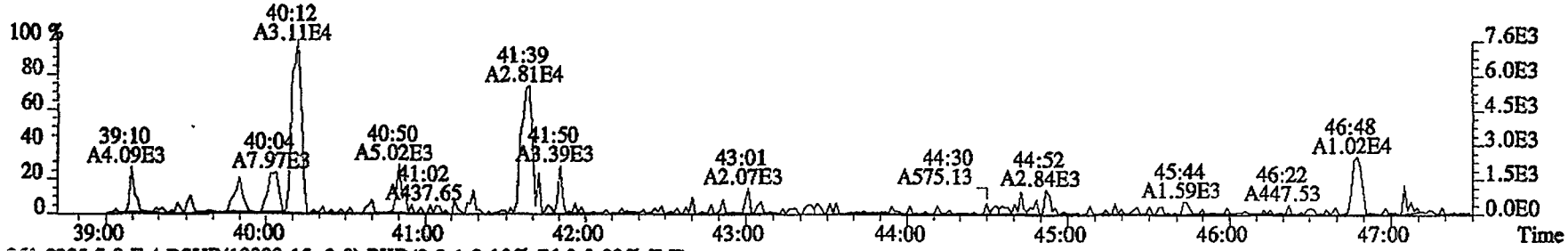
371.8817 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



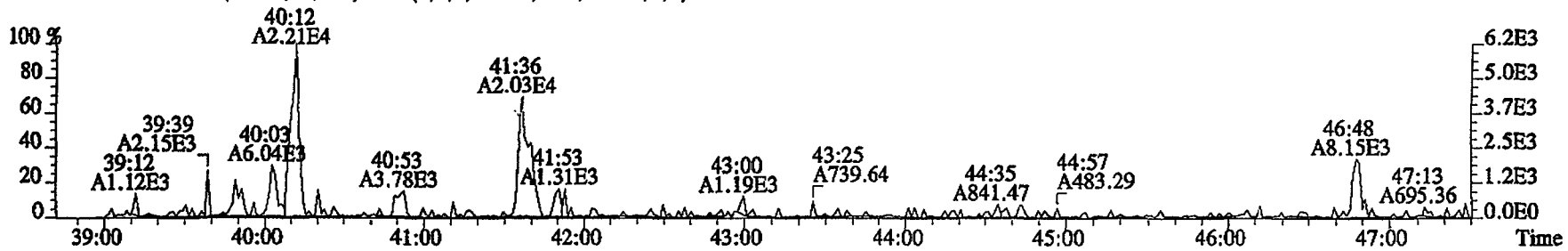
373.8788 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



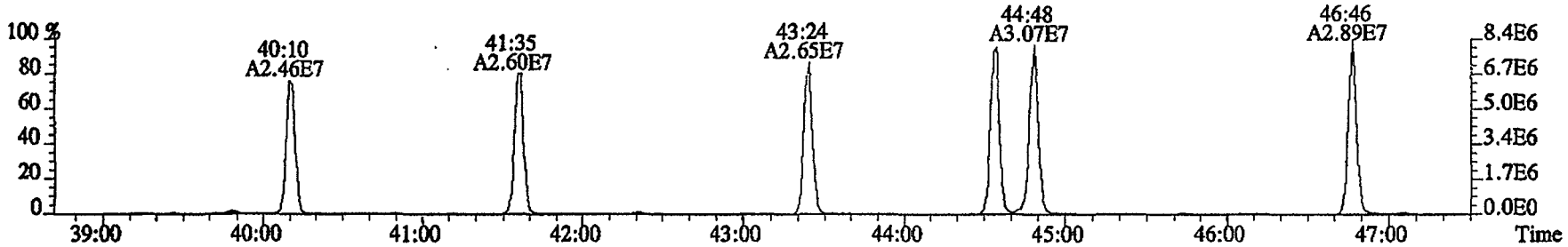
File:040519E1 #1-510 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
359.8415 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



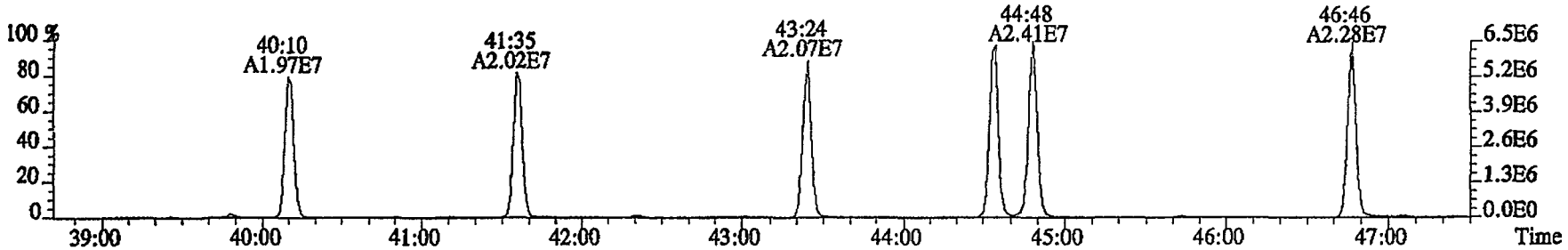
361.8385 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



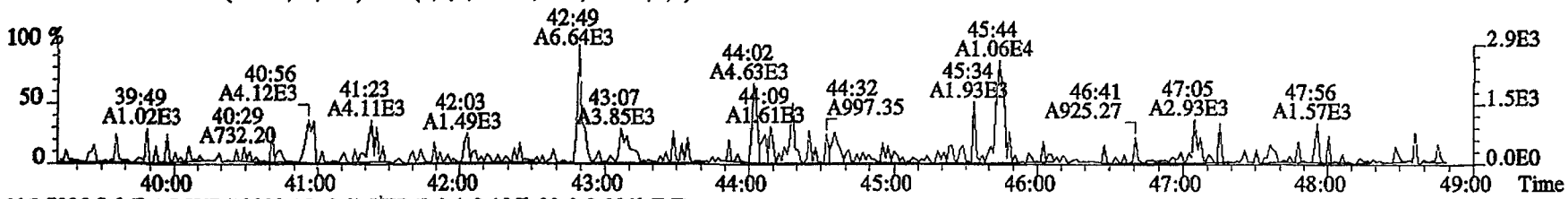
371.8817 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2264.0,0.00%,F,F)



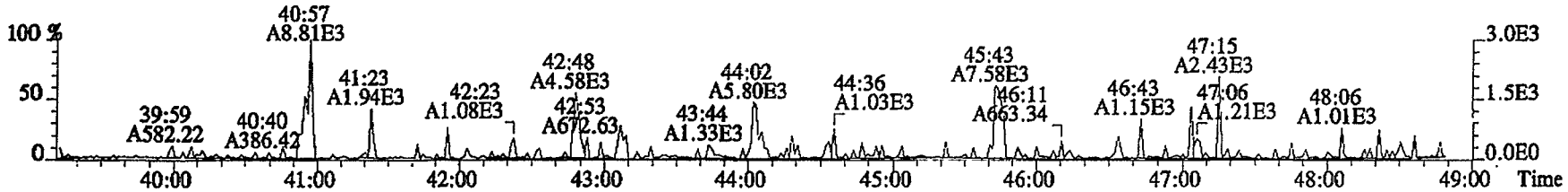
373.8788 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1932.0,0.00%,F,F)



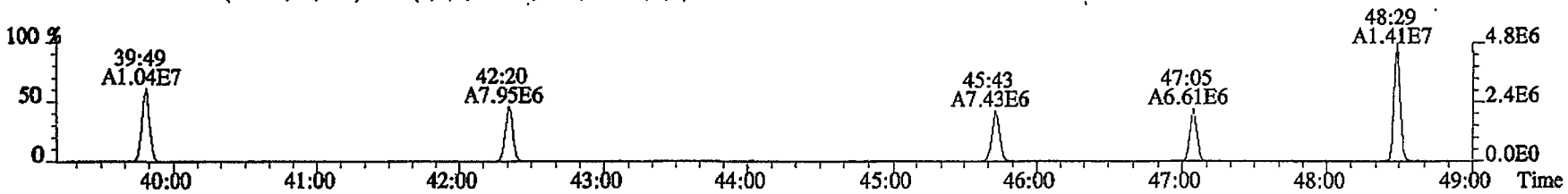
File:040519E1 #1-510 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
393.8025 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



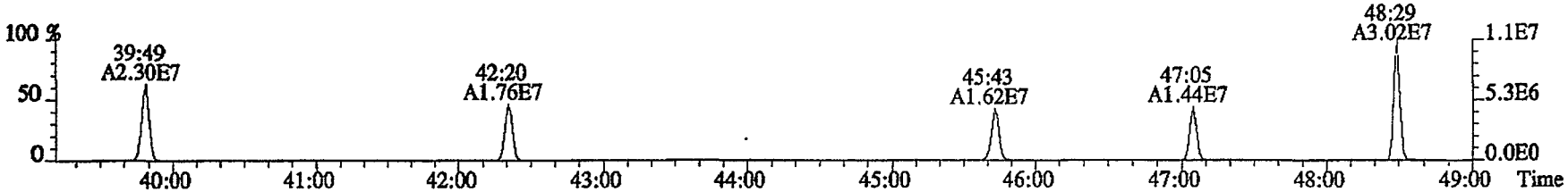
395.7995 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



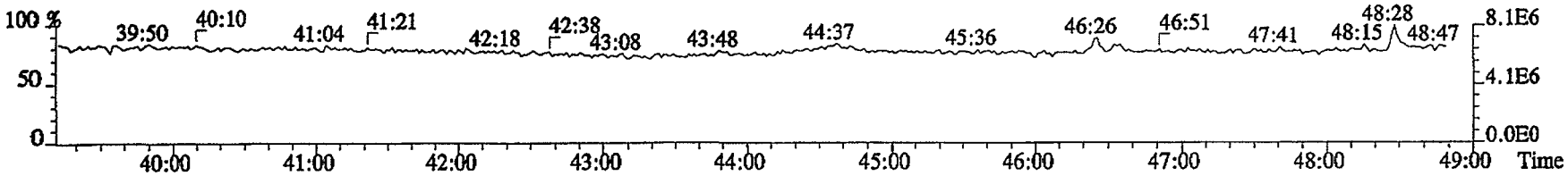
403.8457 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



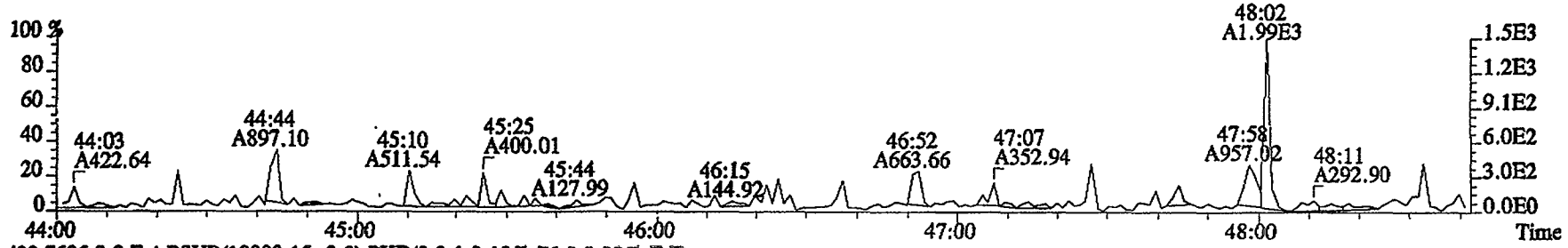
405.8428 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



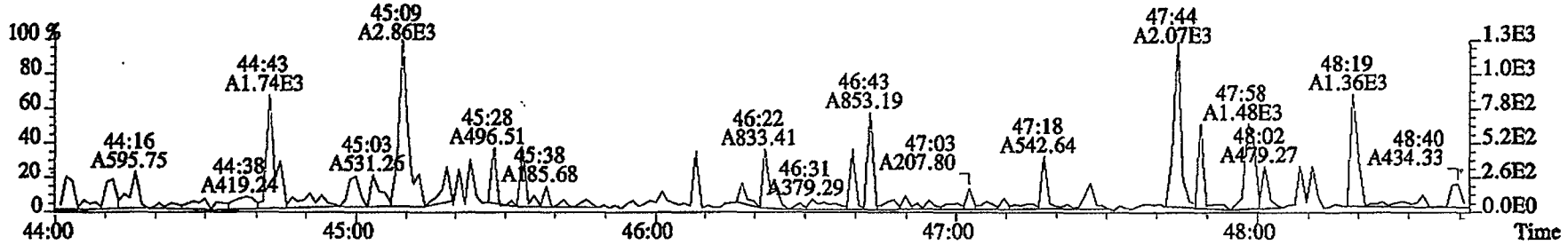
380.9760 S:8 F:4



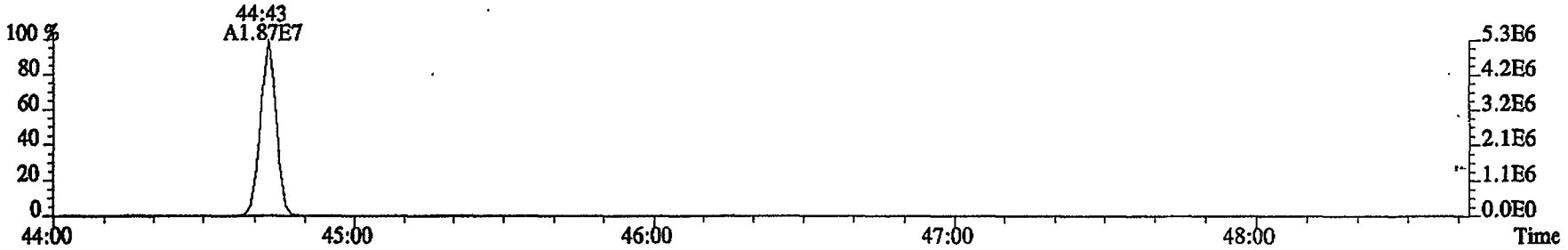
File:040519E1 #1-510 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
427.7635 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



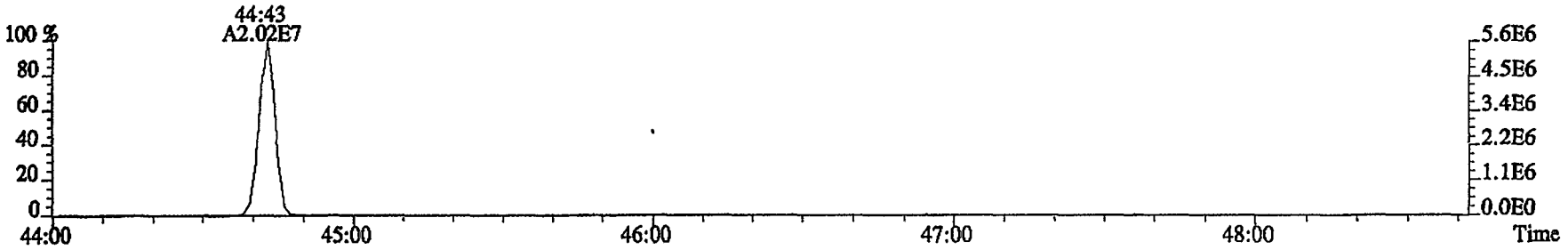
429.7606 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



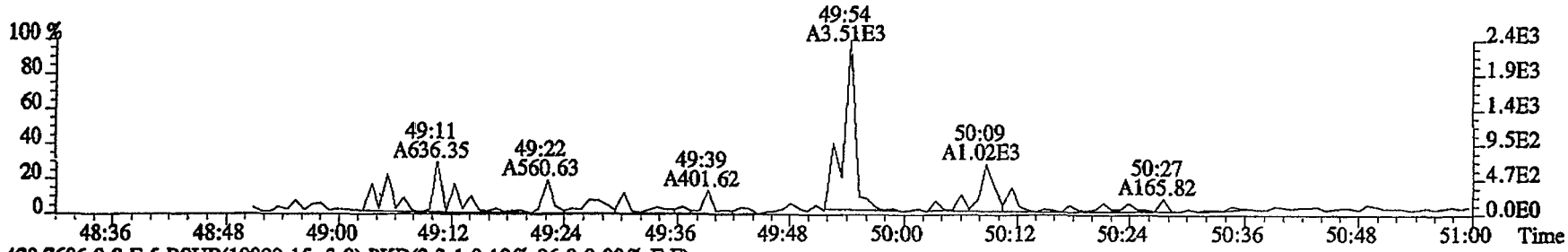
439.8038 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



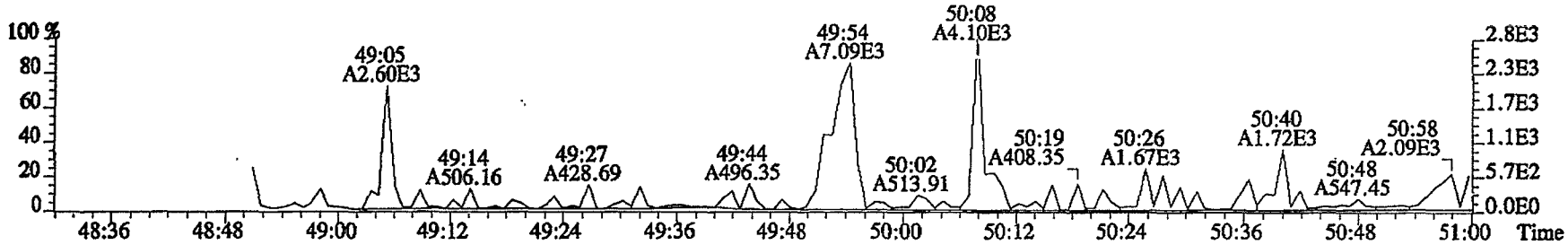
441.8008 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



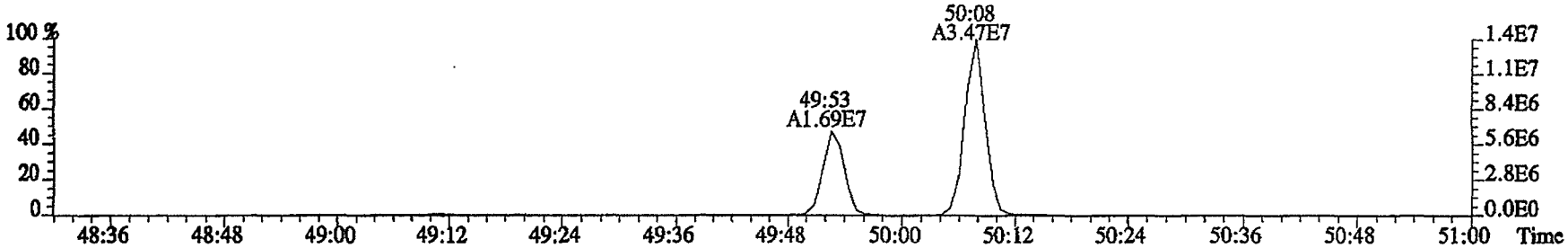
File:040519E1 #1-414 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



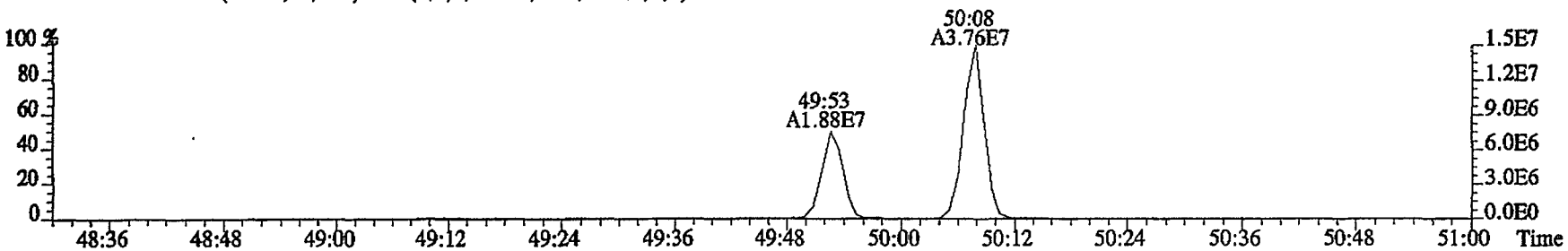
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



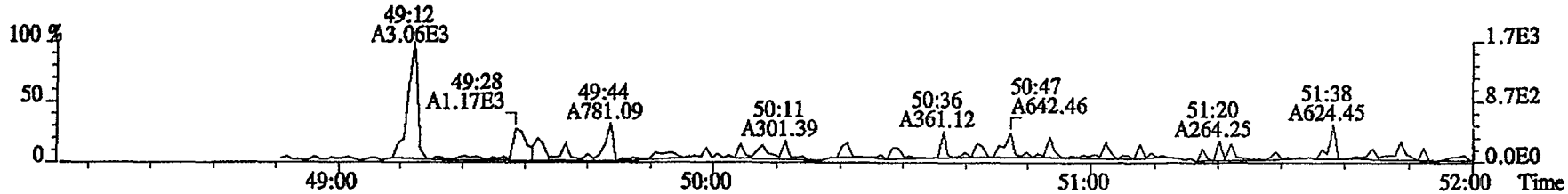
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



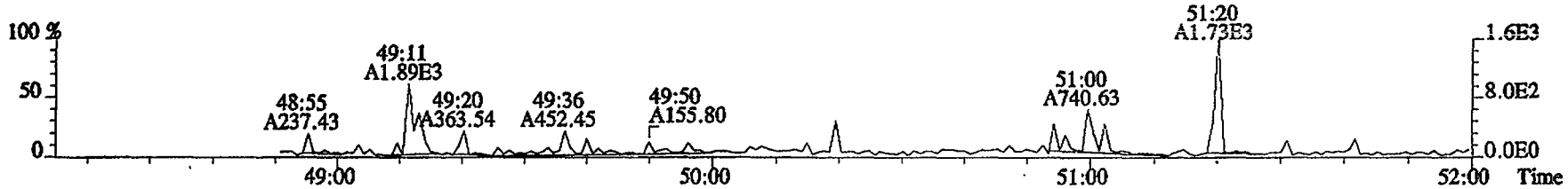
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



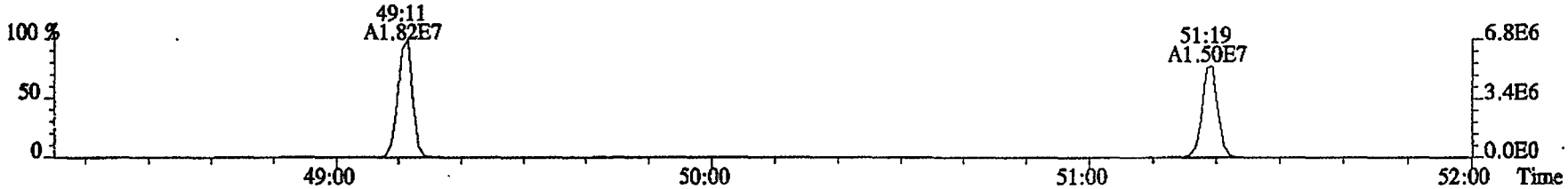
File:040519E1 #1-414 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
463.7216 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



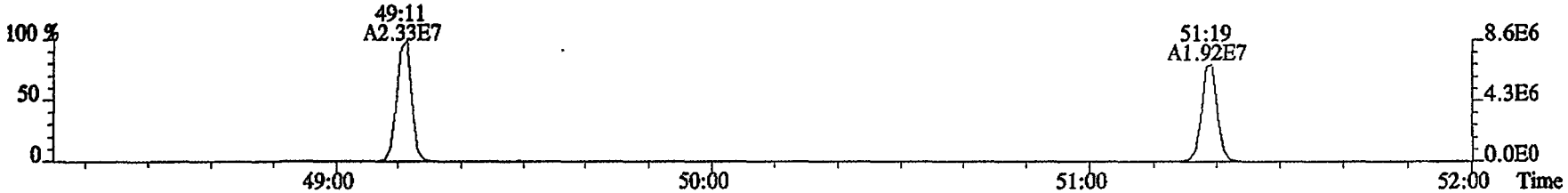
465.7186 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



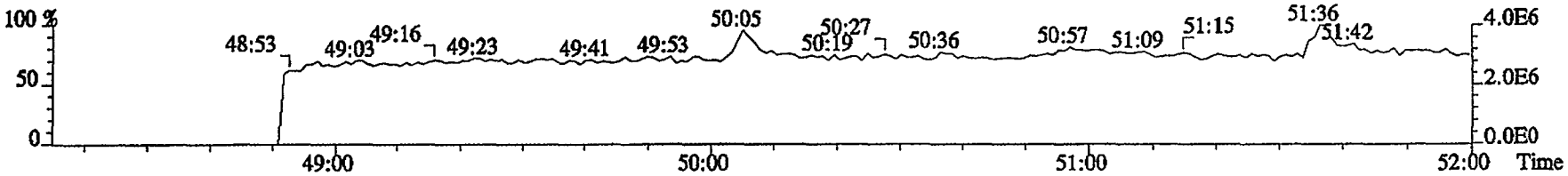
473.7648 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



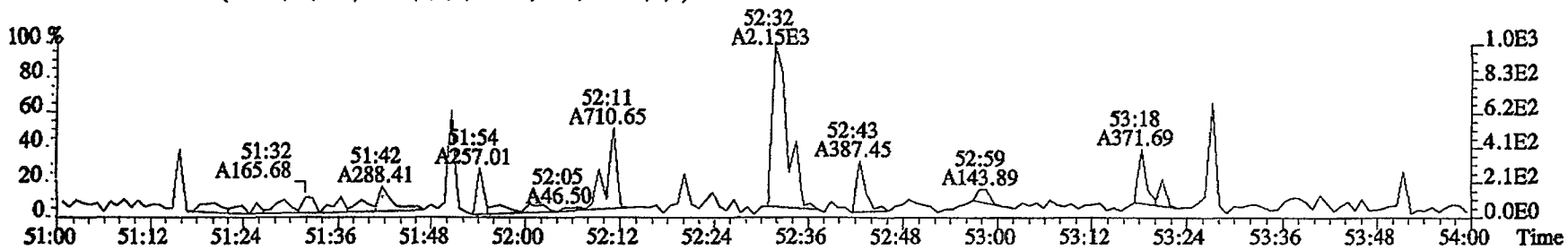
475.7619 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



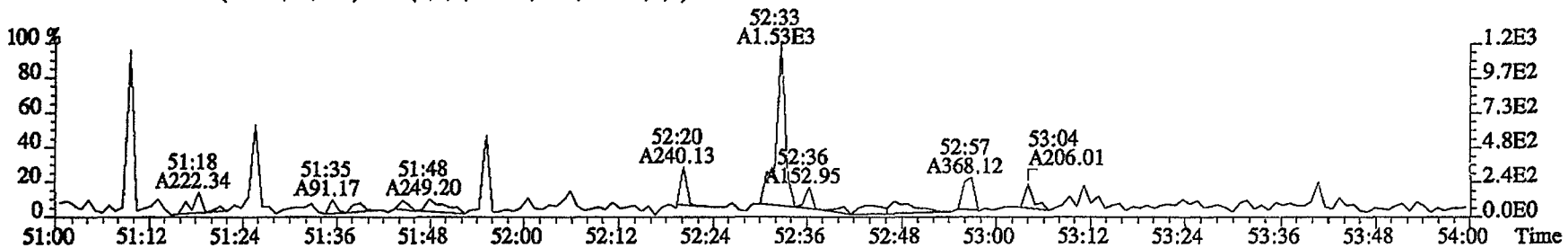
492.9697 S:8 F:5



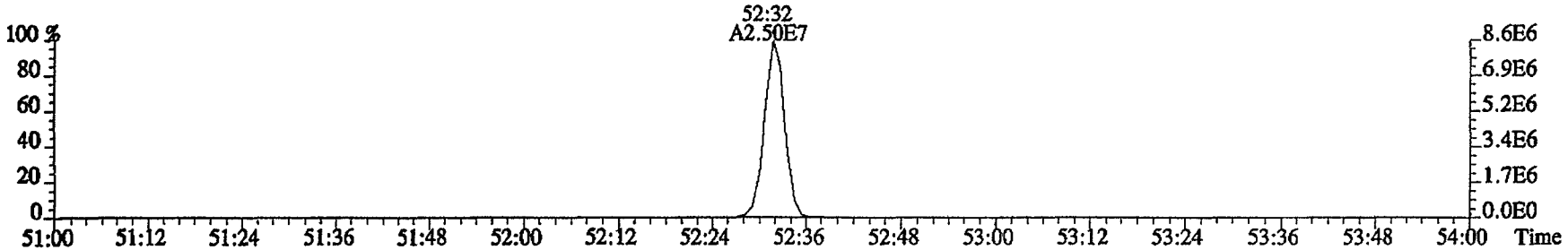
File:040519E1 #1-414 Acq:19-MAY-2004 17:57:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Alta Analytical Laboratory Text:24990_5892_004 84B-AIR-105 1Train Exp:PCB_DB1
497.6826 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



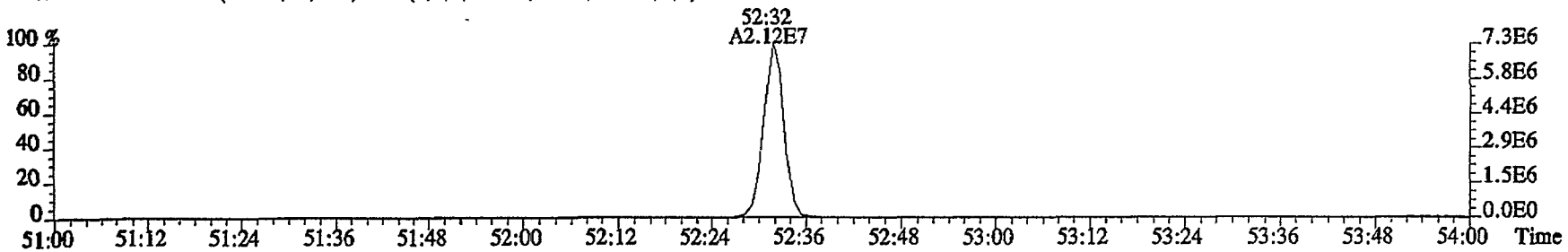
499.6797 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



509.7229 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



511.7199 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



Client ID: 84B-AIR-106 Filename: 040519E1 S:9 Acq:19-MAY-04 18:57:22 ConCal: ST040519E1-1
Lab ID: 24990_5892_005 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	*	* n	1.00	NotFnd	*	0.996-1.006	*
PCB-2	*	* n	0.84	NotFnd	*	0.984-0.994	*
PCB-3	*	* n	0.96	NotFnd	*	0.996-1.006	*
PCB-4/10	*	* n	1.81	NotFnd	*	0.998-1.008	*
PCB-7/9	*	* n	1.48	NotFnd	*	0.997-1.007	*
PCB-6	*	* n	1.48	NotFnd	*	1.027-1.037	*
PCB-5/8	*	* n	1.44	NotFnd	*	1.044-1.054	*
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	5.95e+05	1.62 y	1.45	23:46	1.152	1.148-1.159	0.120
PCB-12/13	*	* n	1.50	NotFnd	*	1.165-1.177	*
PCB-15	*	* n	1.70	NotFnd	*	1.180-1.192	*
PCB-19	*	* n	1.18	NotFnd	*	0.996-1.006	*
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	*	* n	0.69	NotFnd	*	0.950-0.960	*
PCB-17	*	* n	0.78	NotFnd	*	0.956-0.966	*
PCB-24/27	*	* n	0.99	NotFnd	*	0.977-0.987	*
PCB-16/32	*	* n	0.85	NotFnd	*	0.995-1.005	*
PCB-34	*	* n	1.19	NotFnd	*	0.956-0.966	*
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	*	* n	1.35	NotFnd	*	0.968-0.978	*
PCB-26	*	* n	1.28	NotFnd	*	0.975-0.985	*
PCB-25	*	* n	1.33	NotFnd	*	0.980-0.990	*
PCB-31	*	* n	1.30	NotFnd	*	0.991-1.001	*
PCB-28	*	* n	1.54	NotFnd	*	0.996-1.006	*
PCB-20/21/33	*	* n	1.27	NotFnd	*	1.016-1.026	*
PCB-22	*	* n	1.33	NotFnd	*	1.031-1.041	*
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	*	* n	1.42	NotFnd	*	0.982-0.992	*
PCB-37	*	* n	1.57	NotFnd	*	0.995-1.005	*
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	*	* n	0.71	NotFnd	*	1.059-1.069	*
PCB-51	*	* n	0.72	NotFnd	*	1.071-1.081	*
PCB-45	*	* n	0.62	NotFnd	*	1.087-1.097	*
PCB-46	*	* n	0.60	NotFnd	*	1.102-1.114	*

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	*	* n	0.81	NotFnd	*	1.119-1.131	*
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	*	* n	0.71	NotFnd	*	1.129-1.141	*
PCB-47	*	* n	0.73	NotFnd	*	1.136-1.148	*
PCB-48/75	*	* n	0.86	NotFnd	*	1.141-1.153	*
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	*	* n	0.61	NotFnd	*	1.164-1.176	*
PCB-42/59	*	* n	0.79	NotFnd	*	1.171-1.183	*
PCB-41/64/71/72	*	* n	0.88	NotFnd	*	1.193-1.205	*
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	*	* n	0.53	NotFnd	*	1.208-1.220	*
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	*	* n	1.12	NotFnd	*	0.886-0.895	*
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	*	* n	1.09	NotFnd	*	0.893-0.902	*
PCB-74	*	* n	1.15	NotFnd	*	0.900-0.909	*
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	*	* n	1.14	NotFnd	*	0.905-0.915	*
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	*	* n	1.31	NotFnd	*	0.911-0.921	*
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	*	* n	1.10	NotFnd	*	0.925-0.935	*
PCB-56/60	*	* n	1.09	NotFnd	*	0.936-0.946	*
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	*	* n	1.06	NotFnd	*	0.995-1.005	*
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	*	* n	1.09	NotFnd	*	0.995-1.005	*
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	*	* n	1.00	NotFnd	*	1.006-1.016	*
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]

Date: 5-20-04

Client ID: 84B-AIR-106 Filename: 040519E1 S:9 Acq:19-MAY-04 18:57:22 ConCal: ST040519E1-1
Lab ID: 24990_5892_005 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc
	PCB-84/92	*	*	n	1.01	NotFnd	*	0.985-0.995	*
	PCB-89	*	*	n	0.96	NotFnd	*	0.990-1.000	*
	PCB-90/101	*	*	n	1.14	NotFnd	*	0.995-1.005	*
	PCB-113	*	*	n	1.19	NotFnd	*	1.001-1.011	*
	PCB-99	*	*	n	1.27	NotFnd	*	1.004-1.014	*
	PCB-119	*	*	n	1.45	NotFnd	*	1.016-1.026	*
	PCB-108/112	*	*	n	1.15	NotFnd	*	1.020-1.030	*
	PCB-83	*	*	n	1.31	NotFnd	*	1.024-1.034	*
	PCB-97	*	*	n	1.02	NotFnd	*	1.029-1.039	*
	PCB-86	*	*	n	0.91	NotFnd	*	1.032-1.042	*
	B-87/117/125	*	*	n	1.32	NotFnd	*	1.036-1.046	*
	PCB-111/115	*	*	n	1.46	NotFnd	*	1.040-1.050	*
	PCB-85/116	*	*	n	1.21	NotFnd	*	1.043-1.053	*
	PCB-120	*	*	n	1.53	NotFnd	*	1.050-1.060	*
	PCB-110	*	*	n	1.47	NotFnd	*	1.054-1.064	*
	PCB-82	*	*	n	0.70	NotFnd	*	0.972-0.982	*
	PCB-124	*	*	n	1.17	NotFnd	*	0.988-0.998	*
	PCB-107/109	*	*	n	1.21	NotFnd	*	0.991-1.001	*
	PCB-123	*	*	n	1.15	NotFnd	*	0.995-1.005	*
-	PCB-106/118	*	*	n	1.06	NotFnd	*	0.996-1.006	*
-	PCB-114	*	*	n	1.40	NotFnd	*	0.995-1.005	*
	PCB-122	*	*	n	1.45	NotFnd	*	0.979-0.989	*
	PCB-105	*	*	n	1.44	NotFnd	*	0.996-1.006	*
	PCB-127	*	*	n	1.35	NotFnd	*	1.004-1.014	*
	PCB-126	*	*	n	1.41	NotFnd	*	0.995-1.005	*
	PCB-155	*	*	n	1.12	NotFnd	*	0.995-1.005	*
	PCB-150	*	*	n	1.04	NotFnd	*	1.028-1.038	*
	PCB-152	*	*	n	1.03	NotFnd	*	1.041-1.051	*
	PCB-145	*	*	n	1.02	NotFnd	*	1.052-1.062	*
	PCB-136	*	*	n	1.00	NotFnd	*	1.061-1.071	*
	PCB-148	*	*	n	0.79	NotFnd	*	1.064-1.074	*
	PCB-154	*	*	n	0.92	NotFnd	*	1.077-1.087	*
	PCB-151	*	*	n	0.72	NotFnd	*	1.094-1.104	*
	PCB-135	*	*	n	0.70	NotFnd	*	1.098-1.110	*
	PCB-144	*	*	n	0.77	NotFnd	*	1.101-1.113	*
	PCB-147	*	*	n	0.83	NotFnd	*	1.105-1.117	*
	PCB-139/149	*	*	n	0.80	NotFnd	*	1.112-1.124	*

	Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc
-	PCB-140	*	*	n	0.80	NotFnd	*	1.117-1.129	*
-	PCB-134/143	*	*	n	0.74	NotFnd	*	1.128-1.140	*
	PCB-133/142	*	*	n	0.74	NotFnd	*	1.136-1.148	*
	PCB-131	*	*	n	0.72	NotFnd	*	1.140-1.152	*
	PCB-146/165	*	*	n	1.01	NotFnd	*	0.986-0.996	*
	PCB-132/161	*	*	n	0.96	NotFnd	*	0.991-1.001	*
	PCB-153	*	*	n	1.03	NotFnd	*	0.995-1.005	*
	PCB-168	*	*	n	1.11	NotFnd	*	1.000-1.010	*
	PCB-141	*	*	n	0.89	NotFnd	*	1.012-1.022	*
	PCB-137	*	*	n	0.84	NotFnd	*	1.021-1.031	*
	PCB-130	*	*	n	0.77	NotFnd	*	1.023-1.033	*
	PCB-138/163/164	*	*	n	1.09	NotFnd	*	1.032-1.042	*
	PCB-158/160	*	*	n	1.16	NotFnd	*	1.037-1.047	*
	PCB-129	*	*	n	0.73	NotFnd	*	1.042-1.052	*
	PCB-166	*	*	n	0.93	NotFnd	*	0.974-0.984	*
	PCB-159	*	*	n	0.99	NotFnd	*	0.981-0.991	*
	PCB-128/162	*	*	n	0.84	NotFnd	*	0.987-0.997	*
	PCB-167	*	*	n	0.97	NotFnd	*	0.995-1.005	*
	PCB-156	*	*	n	1.04	NotFnd	*	0.995-1.005	*
	PCB-157	*	*	n	0.96	NotFnd	*	0.996-1.006	*
	PCB-169	*	*	n	0.96	NotFnd	*	0.995-1.005	*
	PCB-188	*	*	n	1.47	NotFnd	*	0.995-1.005	*
	PCB-184	*	*	n	1.48	NotFnd	*	1.005-1.015	*
	PCB-179	*	*	n	1.38	NotFnd	*	1.023-1.033	*
	PCB-176	*	*	n	1.34	NotFnd	*	1.034-1.044	*
	PCB-186	*	*	n	1.38	NotFnd	*	1.048-1.058	*
	PCB-178	*	*	n	0.99	NotFnd	*	1.059-1.069	*
	PCB-175	*	*	n	0.98	NotFnd	*	1.067-1.077	*
	PCB-182/187	*	*	n	1.16	NotFnd	*	1.071-1.081	*
	PCB-183	*	*	n	1.12	NotFnd	*	1.078-1.088	*
	PCB-185	*	*	n	1.38	NotFnd	*	0.952-0.962	*
	PCB-174	*	*	n	1.46	NotFnd	*	0.959-0.969	*
	PCB-181	*	*	n	1.42	NotFnd	*	0.961-0.971	*
	PCB-177	*	*	n	1.35	NotFnd	*	0.964-0.974	*
	PCB-171	*	*	n	1.45	NotFnd	*	0.970-0.980	*
	PCB-173	*	*	n	1.29	NotFnd	*	0.978-0.988	*
	PCB-172	*	*	n	1.30	NotFnd	*	0.987-0.997	*

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]

Date: 5-20-04

Client I[illegible]B-AIR-106 Filename: 040519E1 S:9 Acq:19-MA[illegible]04 18:57:22 ConCal: ST040519E1-1
Lab ID: 24990_5892_005 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
	PCB-192	*	*	n	1.70	NotFnd	*	0.991	1.001	*
	PCB-180	*	*	n	1.50	NotFnd	*	0.995	1.005	*
	PCB-193	*	*	n	1.94	NotFnd	*	0.999	1.009	*
	PCB-191	*	*	n	1.79	NotFnd	*	1.004	1.014	*
	PCB-170	*	*	n	1.53	NotFnd	*	0.995	1.005	*
	PCB-190	*	*	n	2.02	NotFnd	*	0.999	1.009	*
	PCB-189	*	*	n	1.42	NotFnd	*	0.995	1.005	*
	PCB-202	*	*	n	1.00	NotFnd	*	0.996	1.006	*
	PCB-201	*	*	n	0.99	NotFnd	*	1.005	1.015	*
	PCB-204	*	*	n	1.02	NotFnd	*	1.008	1.018	*
	PCB-197	*	*	n	1.04	NotFnd	*	1.014	1.025	*
	PCB-200	*	*	n	0.98	NotFnd	*	1.032	1.042	*
	PCB-198	*	*	n	0.68	NotFnd	*	1.060	1.070	*
	PCB-199	*	*	n	0.74	NotFnd	*	1.062	1.072	*
-	PCB-196/203	*	*	n	0.79	NotFnd	*	1.068	1.078	*
-	PCB-195	*	*	n	1.18	NotFnd	*	0.979	0.989	*
	PCB-194	*	*	n	1.28	NotFnd	*	0.995	1.005	*
	PCB-205	*	*	n	1.67	NotFnd	*	1.000	1.010	*
	PCB-208	*	*	n	0.94	NotFnd	*	0.995	1.005	*
	PCB-207	*	*	n	0.84	NotFnd	*	1.001	1.014	*
	PCB-206	*	*	n	0.88	NotFnd	*	0.995	1.005	*
	PCB-209	*	*	n	1.11	NotFnd	*	0.995	1.005	*

Name	Resp	RA		RT	RRF	Conc	
Total Mono-PCB	*	*	n	NotFnd	0.93	*	
Total Di-PCB	5.95e+05	1.62	y	23:46	1.51	0.120	
Total Tri-PCB	*	*	n	NotFnd	0.99	*	
Total Tri-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Tetra-PCB	*	*	n	NotFnd	0.81	*	
Total Penta-PCB	*	*	n	NotFnd	1.10	*	
Total Penta-PCB	*	*	n	NotFnd	1.41	*	Sum:0.00
Total Hexa-PCB	*	*	n	NotFnd	0.88	*	
Total Hexa-PCB	*	*	n	NotFnd	0.92	*	Sum:0.00
Total Hepta-PCB	*	*	n	NotFnd	1.37	*	
Total Octa-PCB	*	*	n	NotFnd	0.89	*	
Total Octa-PCB	*	*	n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	*	n	NotFnd	0.89	*	
Total Deca-PCB	*	*	n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-20-04

Client ID: 84B-AIR-106 Filename: 040519E1 S:9 Acq:19-MAY-04 18:57:22 ConCal: ST040519E1-1
Lab ID: 24990_5892_005 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	7.31e+07	3.22 y	1.09	15:15	0.625	0.624-0.630	12.5	62.5
13C-PCB-3	8.06e+07	3.27 y	1.24	17:44	0.727	0.723-0.731	12.0	60.2
13C-PCB-4	4.22e+07	1.57 y	0.59	18:58	0.777	0.774-0.782	13.3	66.7
13C-PCB-9	6.86e+07	1.57 y	0.90	20:38	0.845	0.842-0.850	14.2	70.9
13C-PCB-19	4.66e+07	1.03 y	0.70	22:47	0.838	0.835-0.843	15.1	75.3
13C-PCB-28	6.79e+07	1.06 y	1.09	27:17	1.004	0.998-1.008	14.0	70.2
13C-PCB-32	8.20e+07	1.06 y	1.18	25:29	0.937	0.932-0.942	15.7	78.6
13C-PCB-37	6.49e+07	1.10 y	0.93	30:51	1.135	1.128-1.140	15.8	78.8
13C-PCB-54	6.17e+07	0.81 y	1.15	26:14	0.765	0.762-0.770	13.1	65.7
13C-PCB-77	6.09e+07	0.79 y	1.01	36:56	1.077	1.071-1.081	14.8	73.8
13C-PCB-81	6.05e+07	0.78 y	0.98	36:23	1.061	1.056-1.066	15.1	75.6
13C-PCB-95	3.61e+07	1.57 y	0.73	33:25	0.914	0.910-0.920	15.4	76.9
13C-PCB-101	3.68e+07	1.62 y	0.73	34:58	0.956	0.952-0.962	15.6	77.9
13C-PCB-104	4.85e+07	1.56 y	0.93	30:32	0.835	0.832-0.840	16.1	80.3
13C-PCB-105	4.61e+07	1.60 y	1.09	40:02	0.962	0.957-0.967	18.6	93.1
13C-PCB-114	4.64e+07	1.56 y	1.13	39:15	0.944	0.938-0.948	18.1	90.3
13C-PCB-118	4.76e+07	1.57 y	0.98	38:40	1.057	1.053-1.063	15.0	74.8
13C-PCB-123	4.42e+07	1.54 y	0.87	38:29	1.053	1.048-1.058	15.6	78.0
13C-PCB-126	4.67e+07	1.58 y	1.06	42:05	1.012	1.006-1.016	19.4	97.2
13C-PCB-153	4.12e+07	1.26 y	1.12	40:10	0.966	0.961-0.971	16.2	80.8
13C-PCB-155	4.22e+07	1.28 y	0.97	34:32	0.830	0.827-0.835	13.4	67.1
13C-PCB-156	5.52e+07	1.25 y	1.24	44:33	1.071	1.066-1.076	19.5	97.3
13C-PCB-157	5.35e+07	1.28 y	1.33	44:48	1.077	1.072-1.082	17.7	88.3
13C-PCB-167	4.45e+07	1.29 y	1.28	43:24	1.043	1.038-1.048	15.2	76.1
13C-PCB-169	4.88e+07	1.30 y	1.26	46:46	1.125	1.118-1.130	17.0	84.9
13C-PCB-170	2.00e+07	0.46 y	0.56	47:05	1.132	1.125-1.137	15.8	78.9
13C-PCB-180	2.20e+07	0.45 y	0.65	45:43	1.099	1.094-1.104	14.8	73.8
13C-PCB-188	3.12e+07	0.46 y	0.92	39:49	0.957	0.952-0.962	14.8	74.0
13C-PCB-189	3.83e+07	0.45 y	0.85	48:29	1.166	1.158-1.170	19.9	99.4
13C-PCB-194	3.29e+07	0.93 y	0.71	49:53	0.995	0.990-1.000	13.5	67.5
13C-PCB-202	3.89e+07	0.91 y	1.02	44:43	1.075	1.070-1.080	16.8	84.0
13C-PCB-206	3.34e+07	0.77 y	0.65	51:19	1.024	1.019-1.029	15.1	75.3
13C-PCB-208	3.89e+07	0.79 y	0.94	49:11	0.981	0.977-0.987	12.1	60.7
13C-PCB-209	4.25e+07	1.20 y	0.97	52:32	1.048	1.044-1.054	12.8	63.8
13C-PCB-15	1.08e+08	1.57 y	1.00	24:25			20.0	-
13C-PCB-31	8.85e+07	1.09 y	1.00	27:12			20.0	-
13C-PCB-60	8.18e+07	0.80 y	1.00	34:18			20.0	-
13C-PCB-111	6.47e+07	1.58 y	1.00	36:34			20.0	-
13C-PCB-138	4.56e+07	1.28 y	1.00	41:35			20.0	-
13C-PCB-205	6.86e+07	0.93 y	1.00	50:08			20.0	-

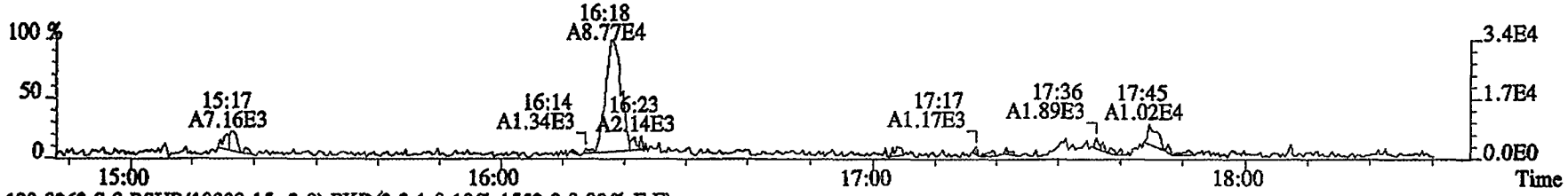
Name	Resp	RA	RT	RRF	Conc	Rec
13C-PCB-52	6.13e+07	0.80 y	29:29	0.82	24.8	99.4
13C-PCB-178	2.43e+07	0.46 y	42:20	0.90	24.6	98.3

Integrations by Analyst: [signature]

Date: 5-20-04

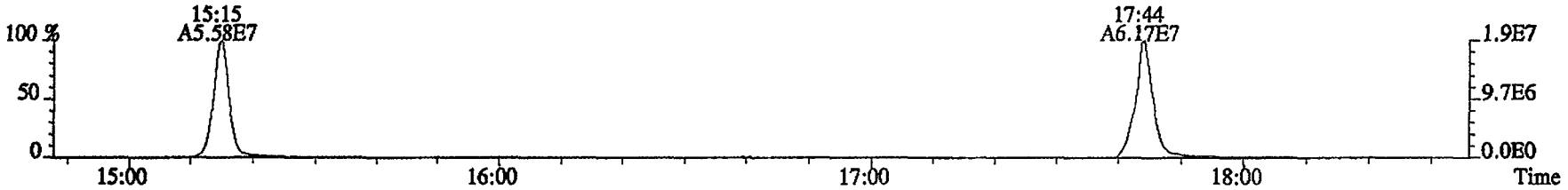
File:040519E1 #1-728 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1

188.0393 S:9 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1744.0,0.00%,F,F)

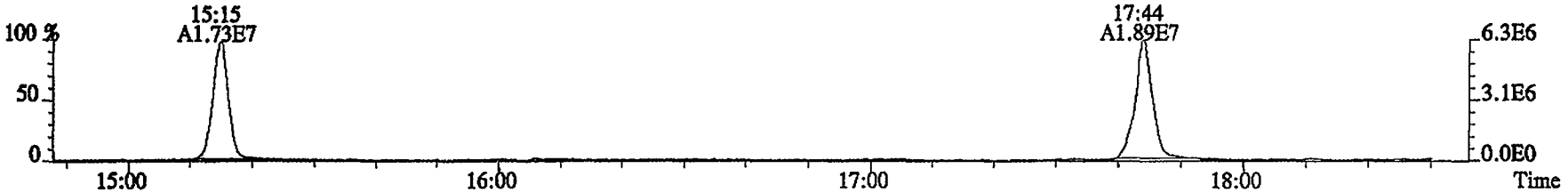


190.0363 S:9 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1552.0,0.00%,F,F)

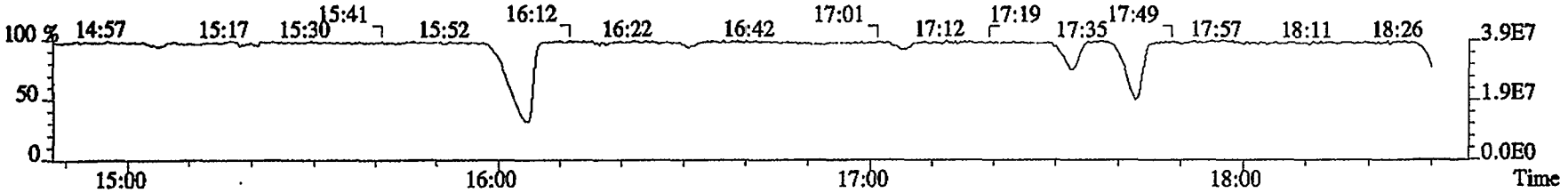
200.0795 S:9 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4540.0,0.00%,F,F)



202.0766 S:9 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,65356.0,0.00%,F,F)

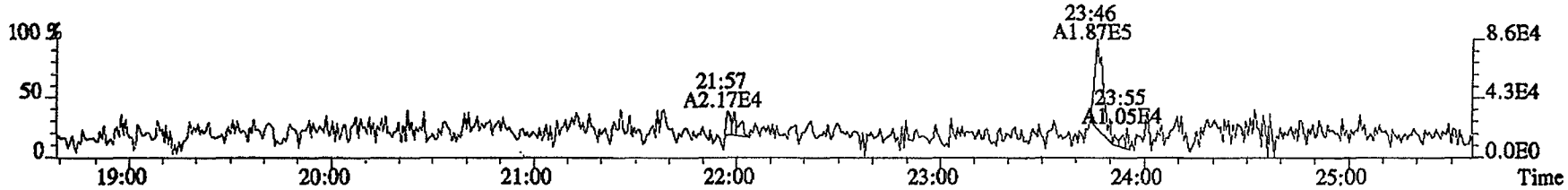


180.9880 S:9

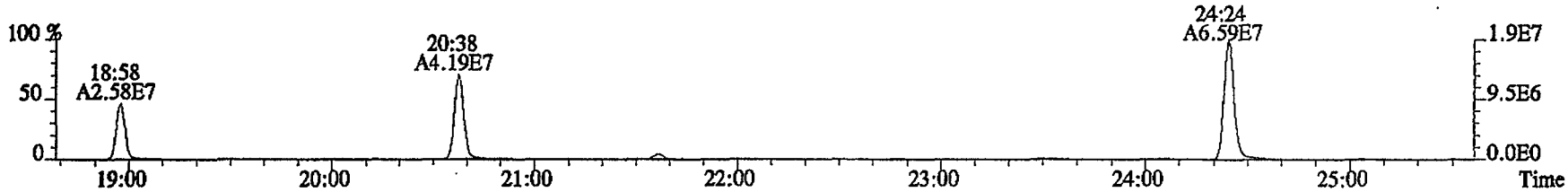


File:040519E1 #1-686 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3144.0,0.00%,F,F)

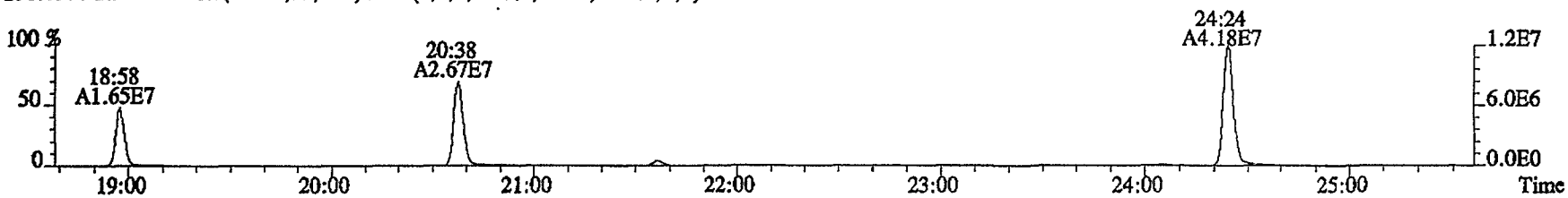
223.9974 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22436.0,0.00%,F,F)



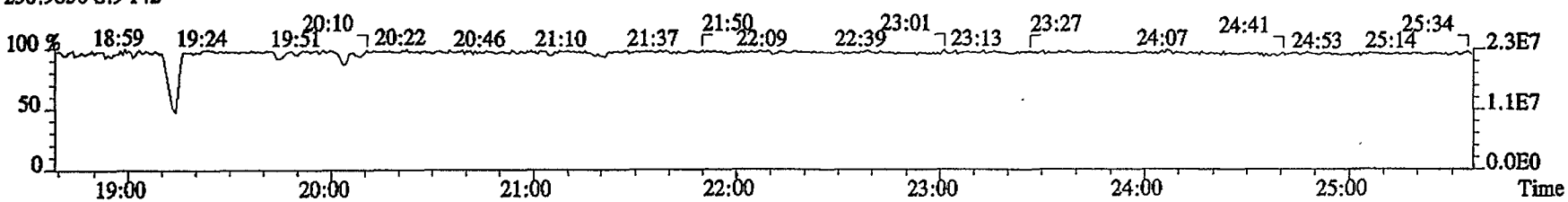
234.0406 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1280.0,0.00%,F,F)



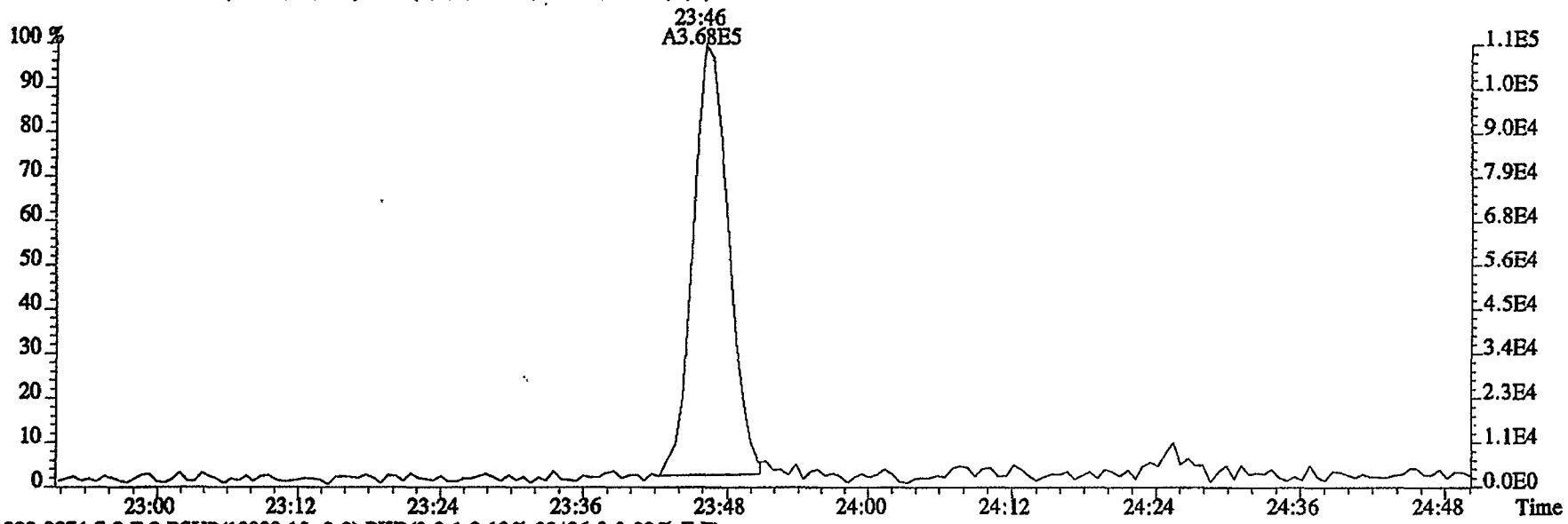
236.0376 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,792.0,0.00%,F,F)



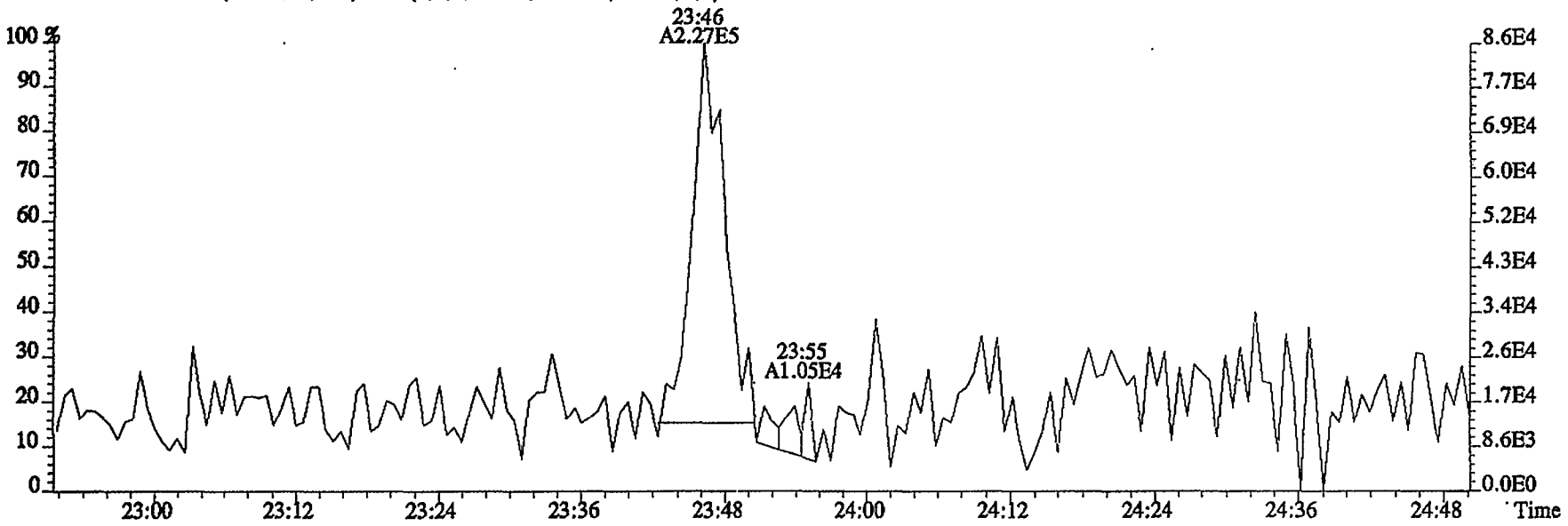
230.9856 S:9 F:2



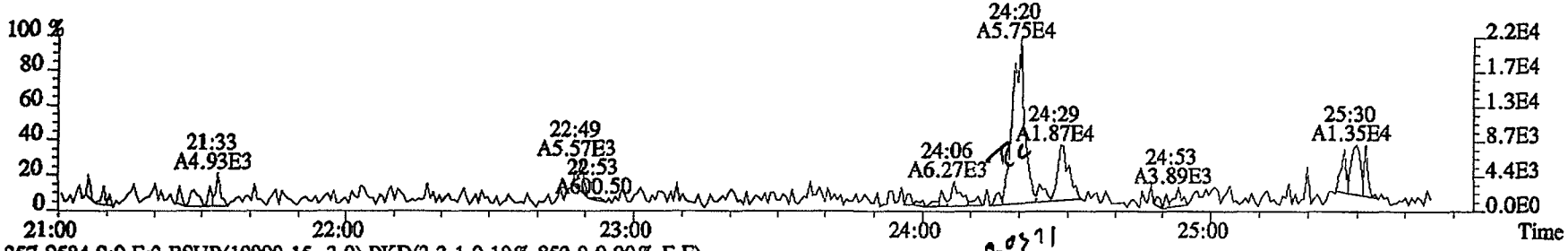
File:040519E1 #1-686 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3144.0,0.00%,F,F)



223.9974 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22436.0,0.00%,F,F)

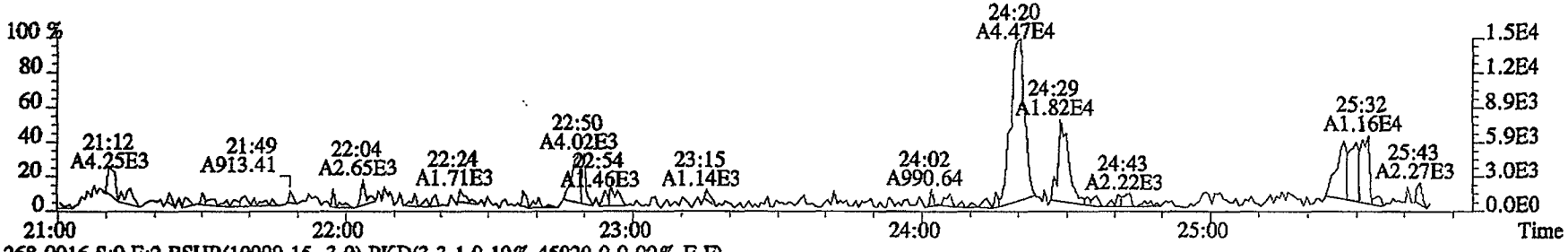


File:040519E1 #1-686 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1916.0,0.00%,F,F)

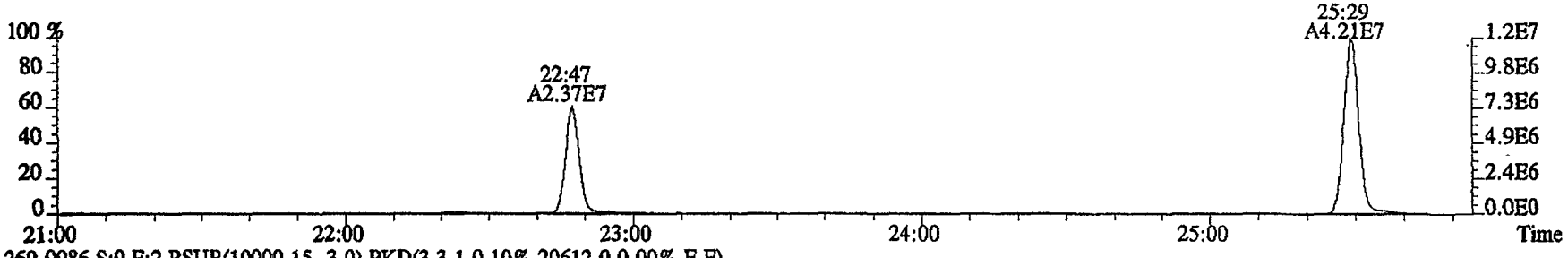


257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,852.0,0.00%,F,F)

0-0371

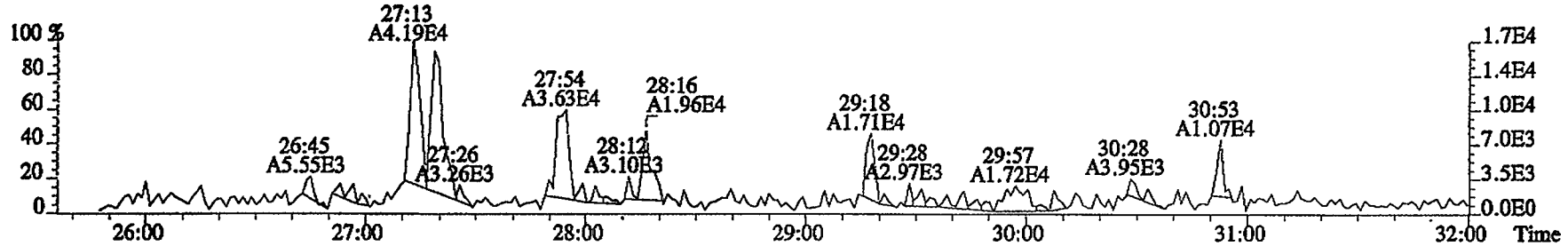


268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,45920.0,0.00%,F,F)

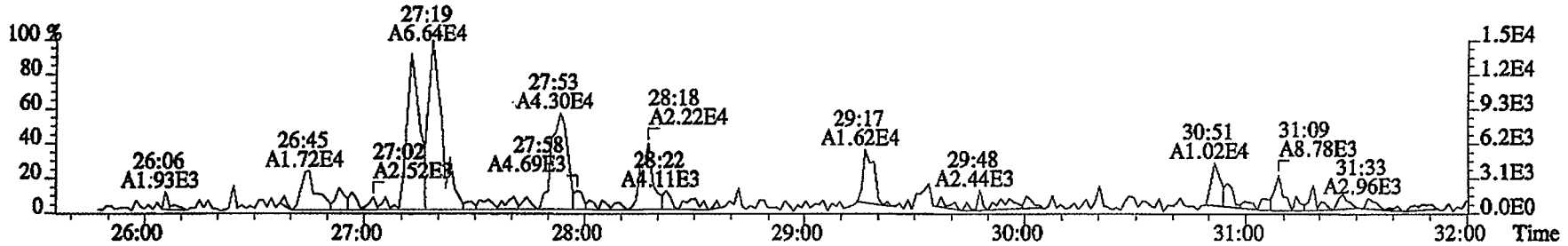


269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20612.0,0.00%,F,F)

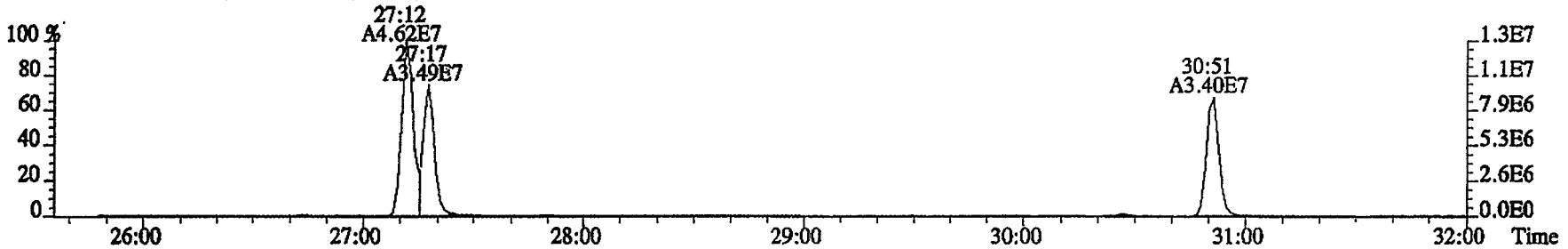
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
255.9613 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1612.0,0.00%,F,F)



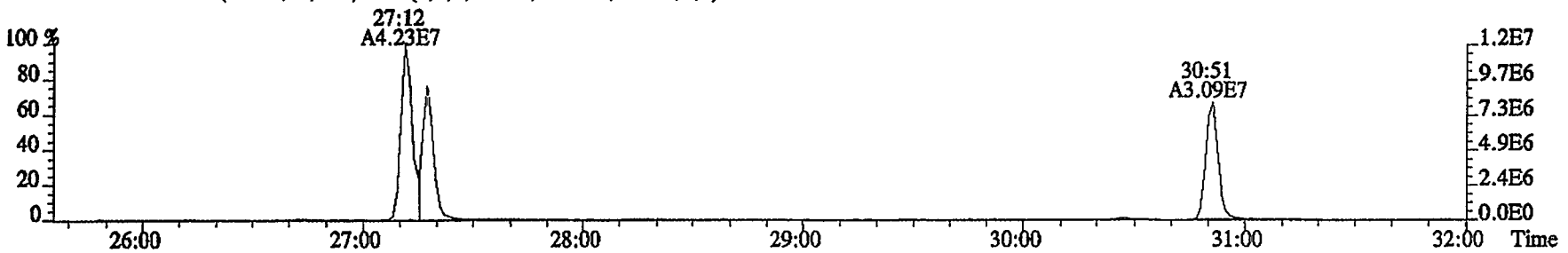
257.9584 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,656.0,0.00%,F,F)



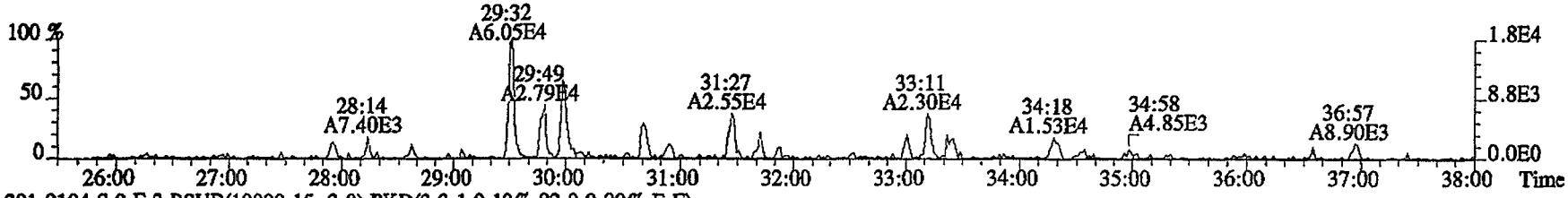
268.0016 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,43492.0,0.00%,F,F)



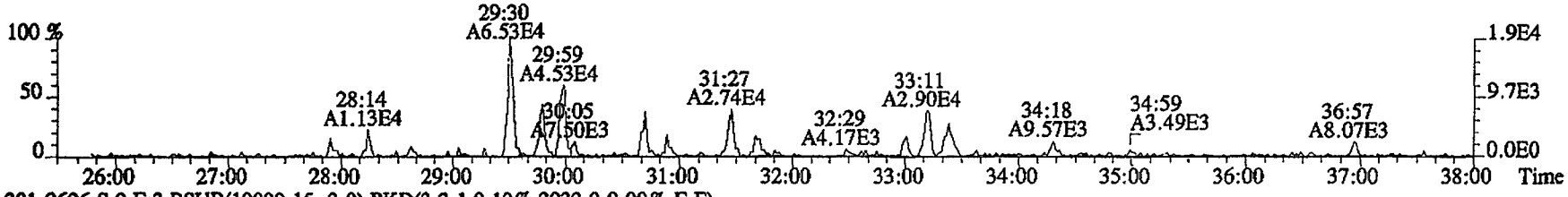
269.9986 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16652.0,0.00%,F,F)



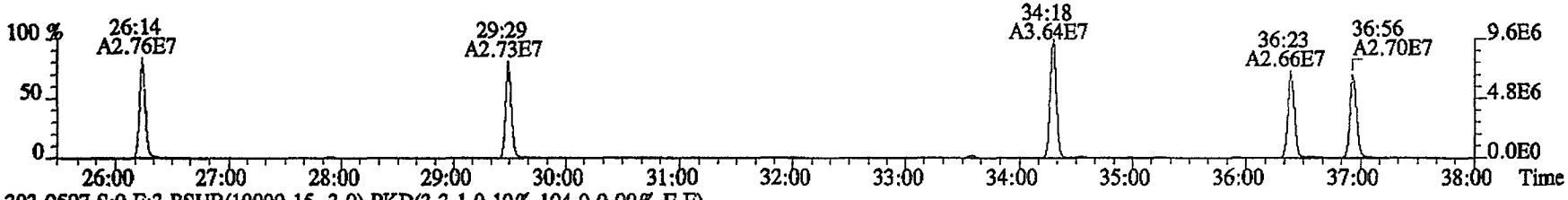
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



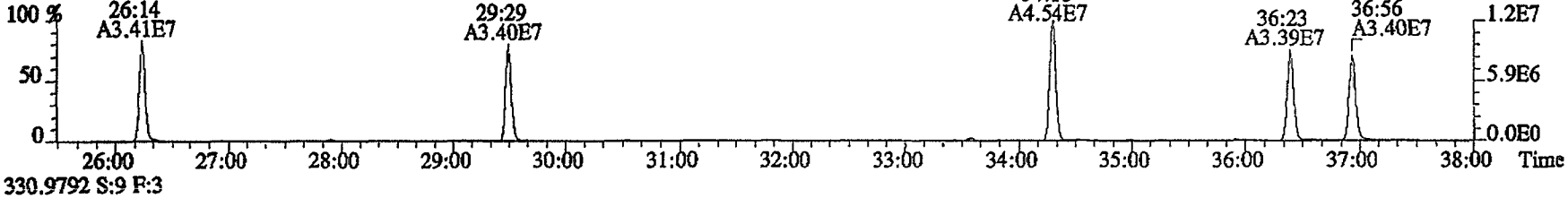
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



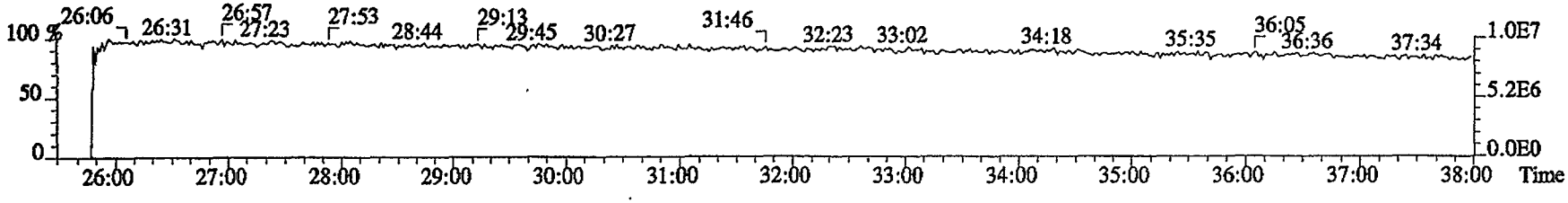
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2932.0,0.00%,F,F)



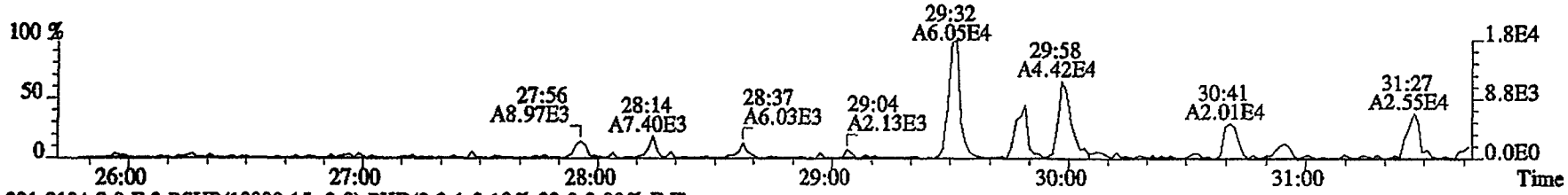
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



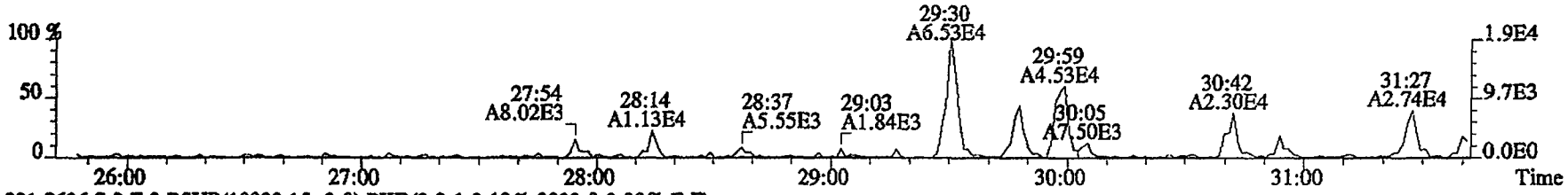
330.9792 S:9 F:3



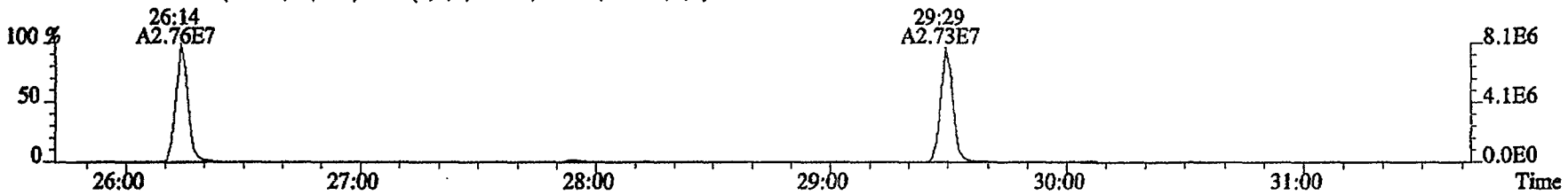
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



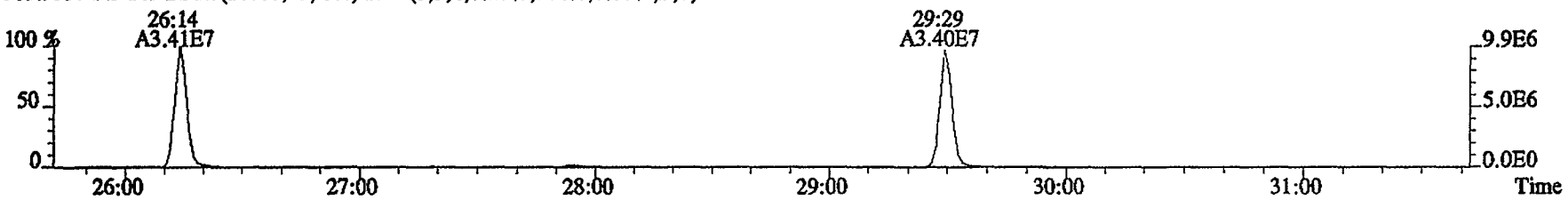
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



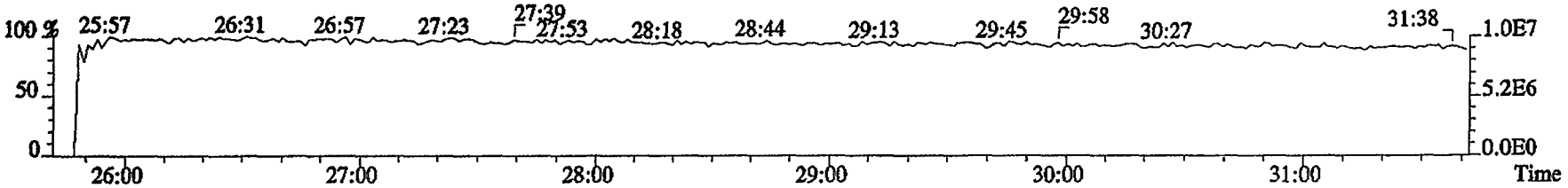
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2932.0,0.00%,F,F)



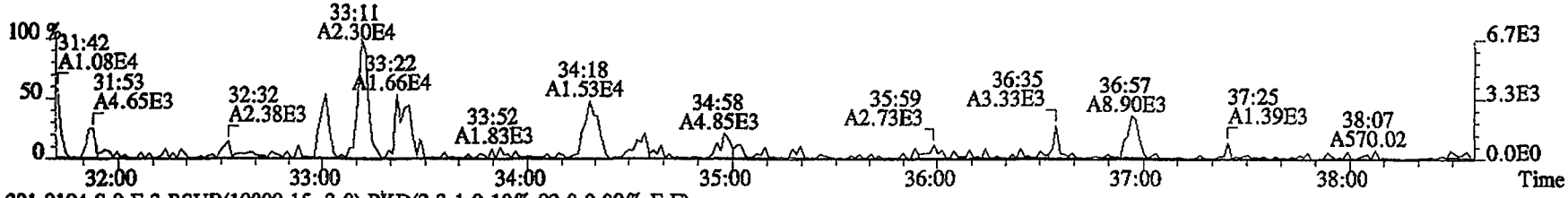
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



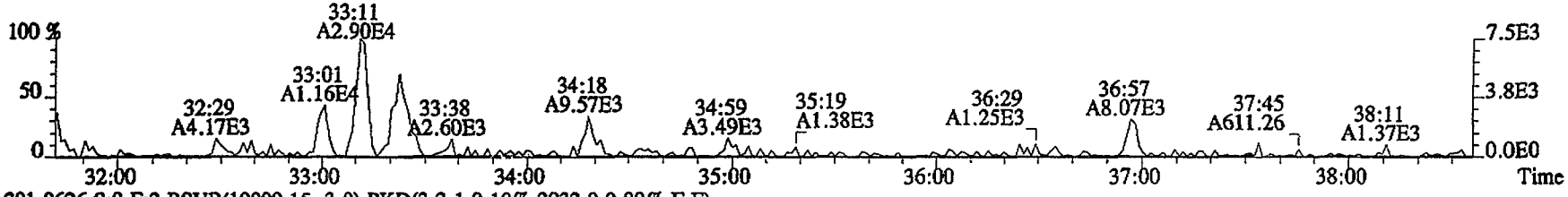
330.9792 S:9 F:3



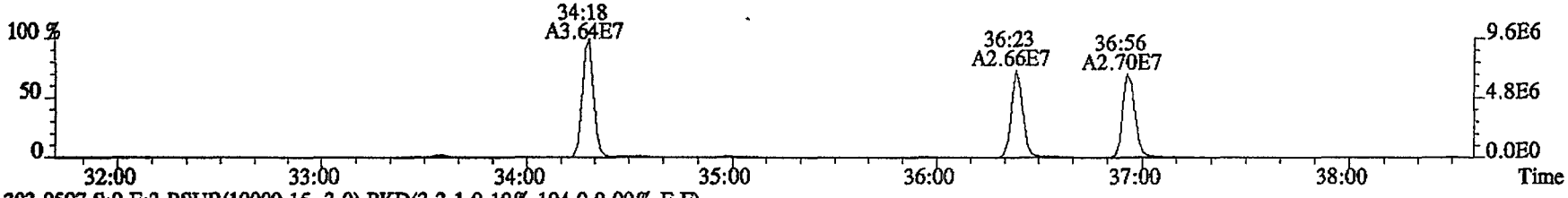
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



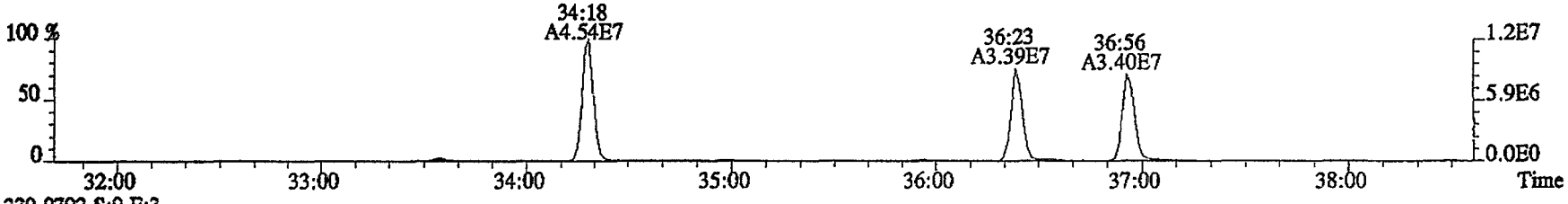
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



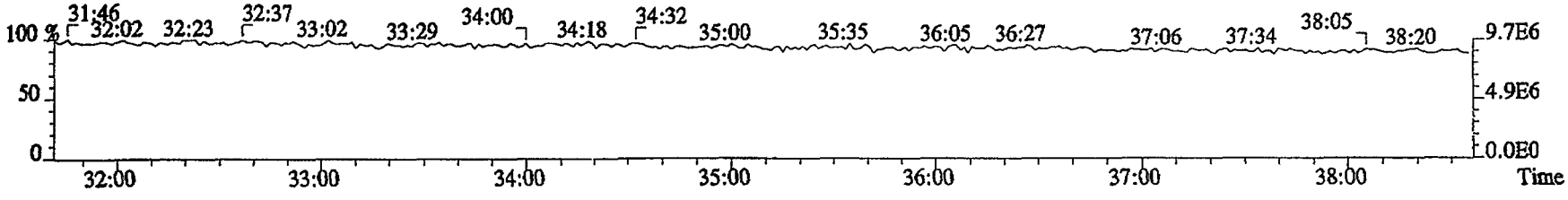
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2932.0,0.00%,F,F)



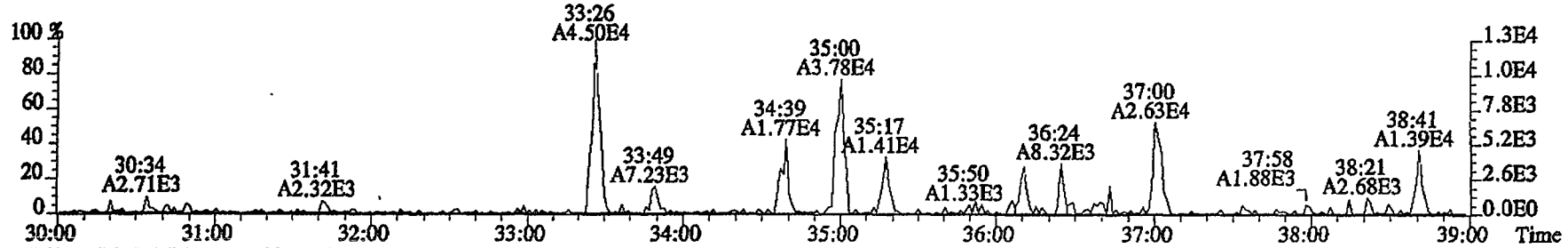
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



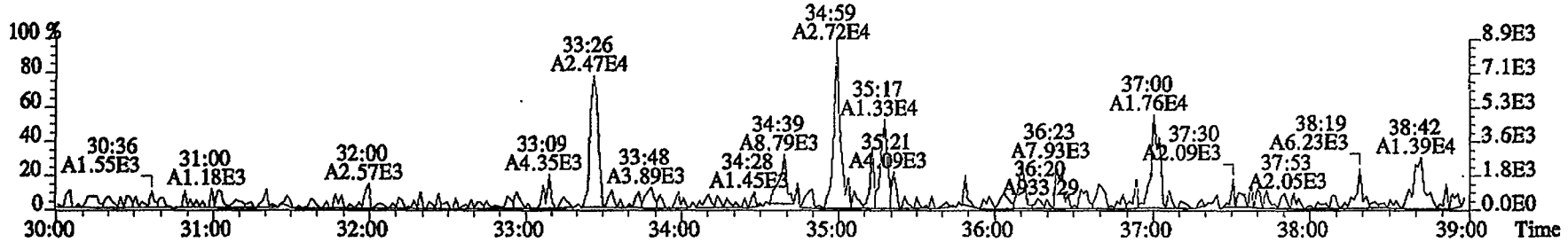
330.9792 S:9 F:3



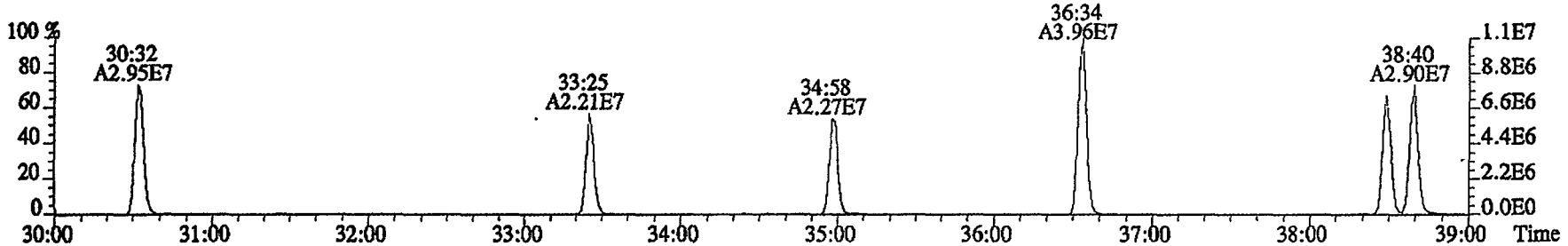
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
325.8804 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



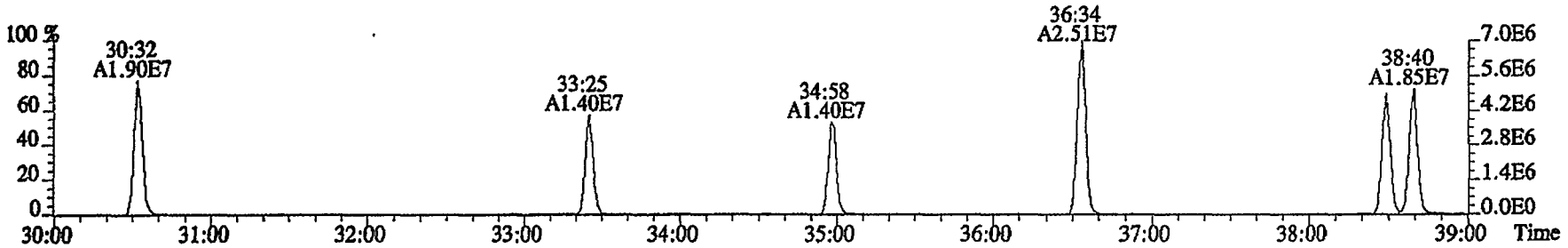
327.8775 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



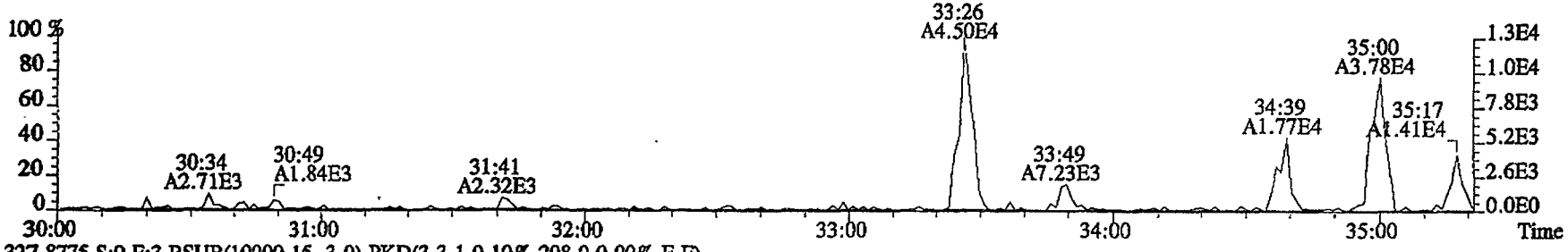
337.9207 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



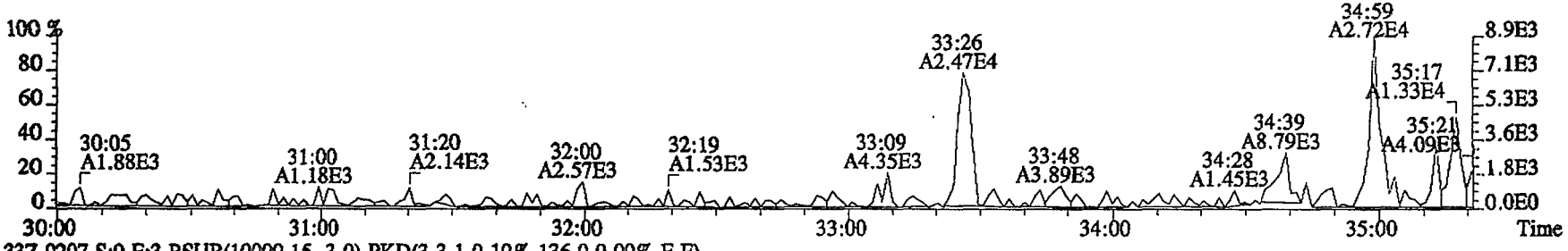
339.9177 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



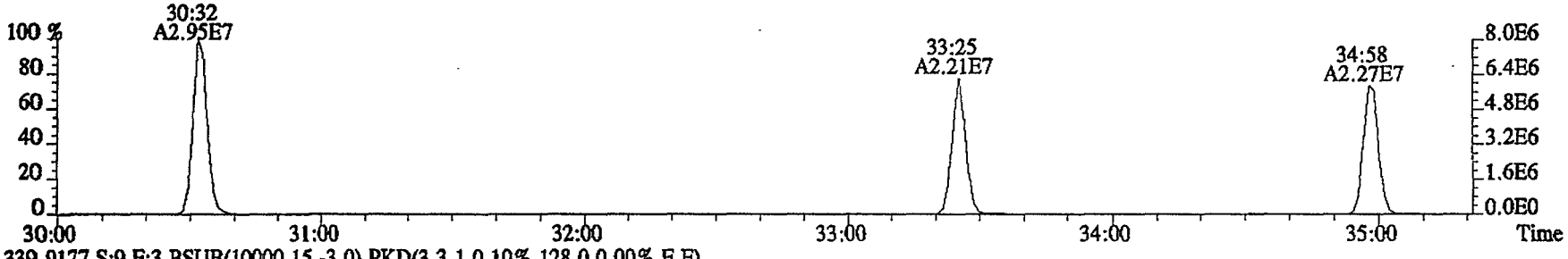
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
325.8804 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



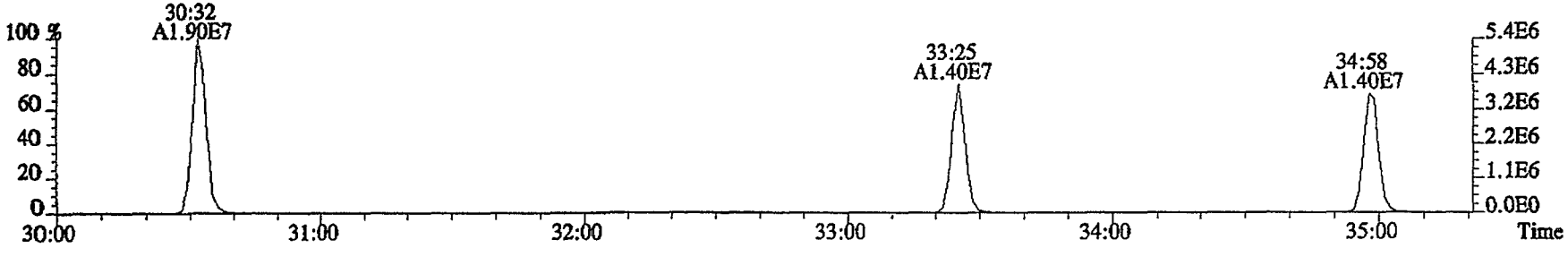
327.8775 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



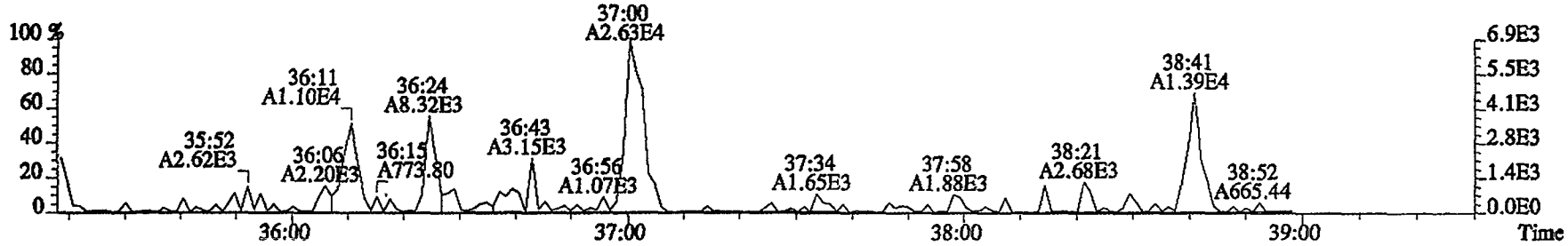
337.9207 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



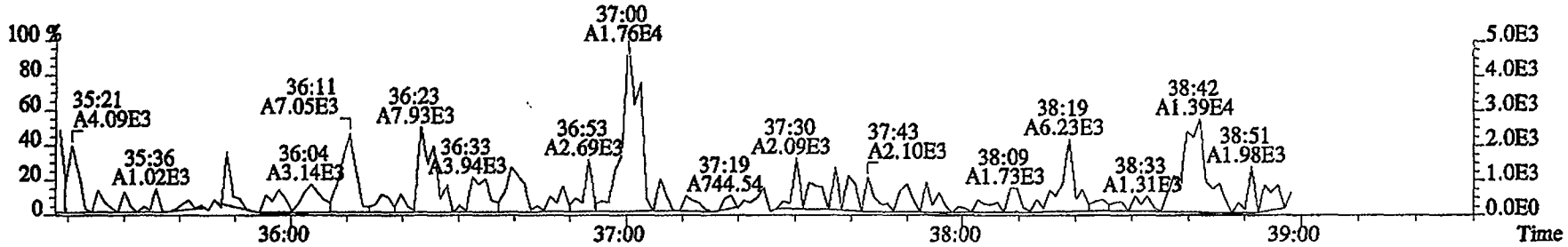
339.9177 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



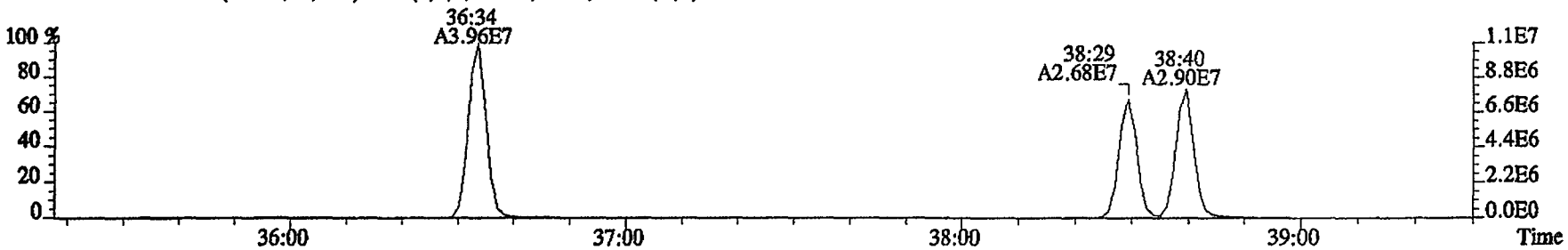
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
325.8804 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



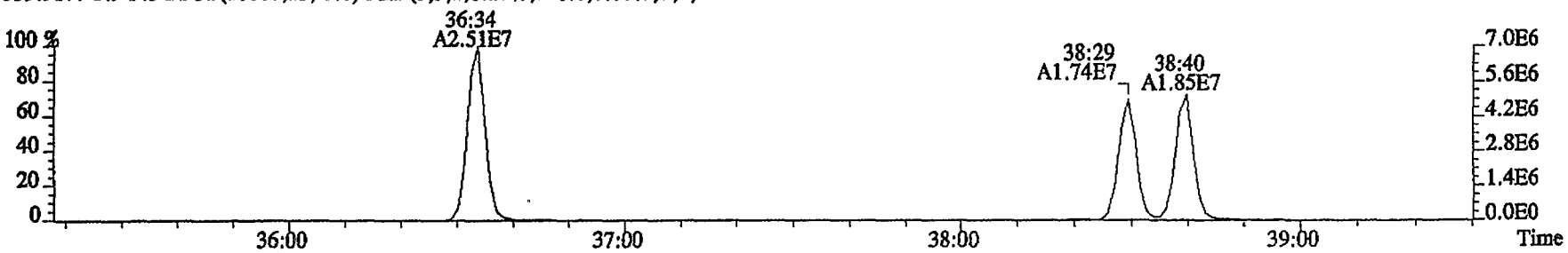
327.8775 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



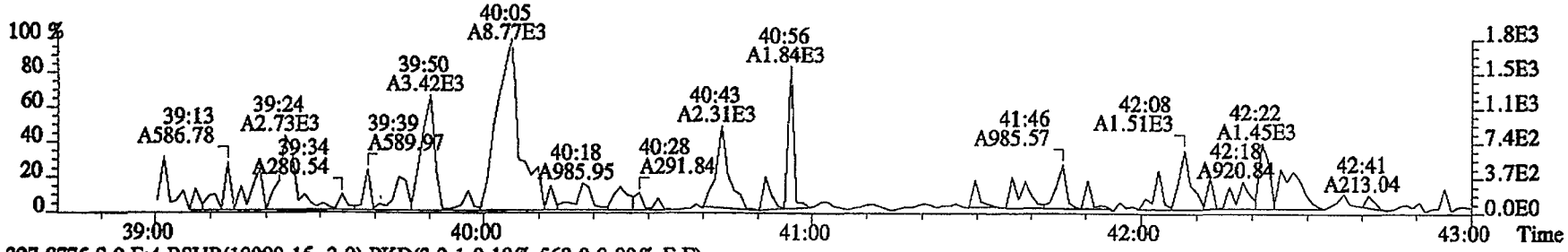
337.9207 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



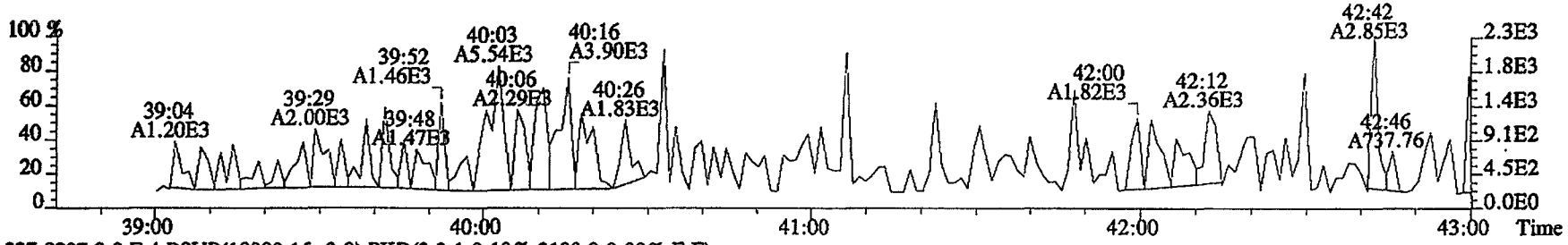
339.9177 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



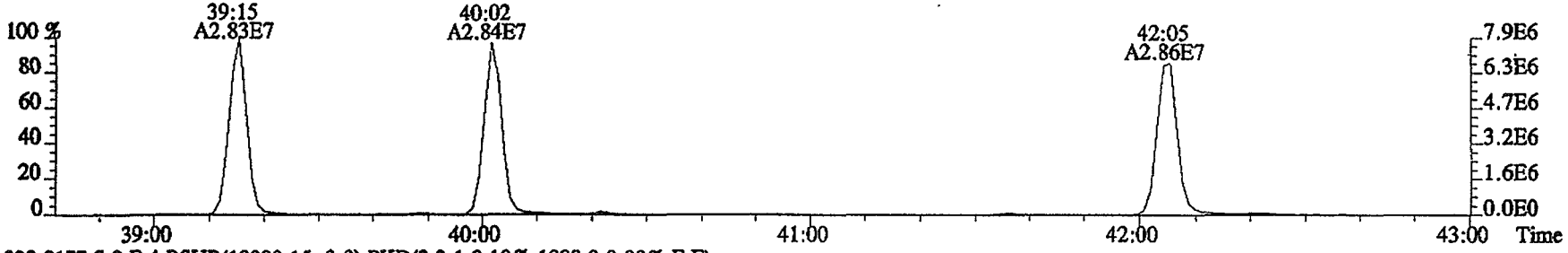
File:040519E1 #1-510 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
325.8804 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



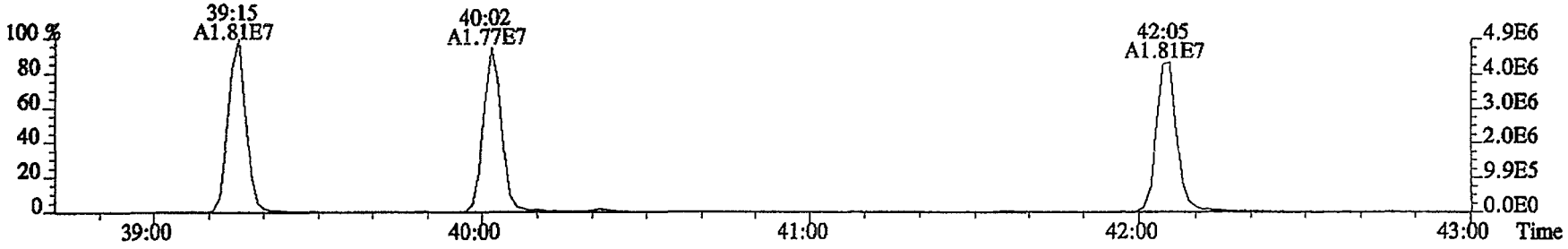
327.8775 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,568.0,0.00%,F,F)



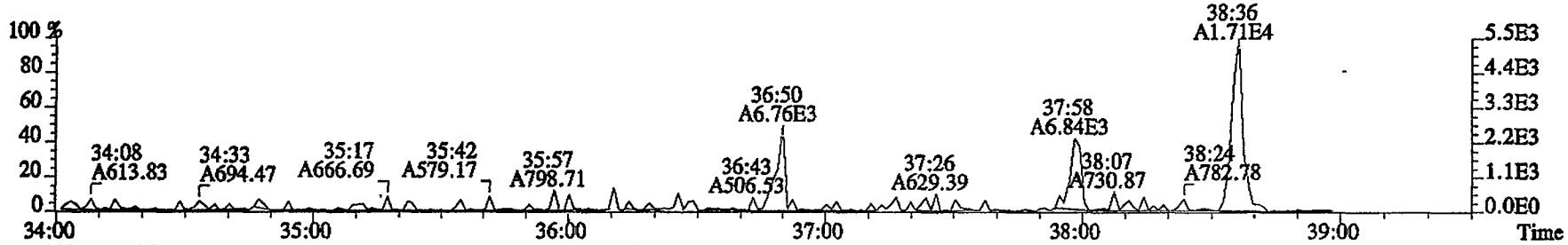
337.9207 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3108.0,0.00%,F,F)



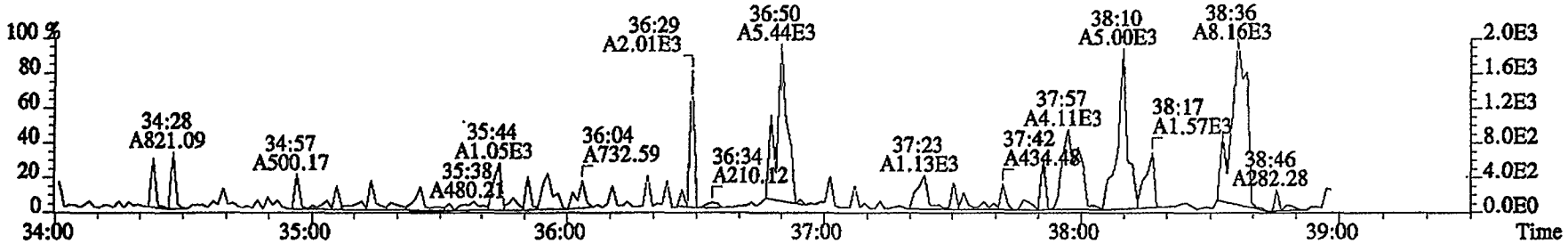
339.9177 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1988.0,0.00%,F,F)



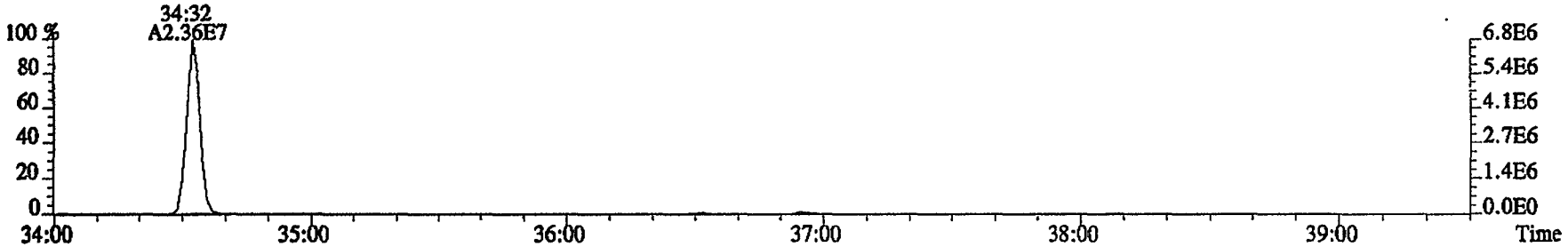
File:040519E1 #1-685 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
359.8415 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



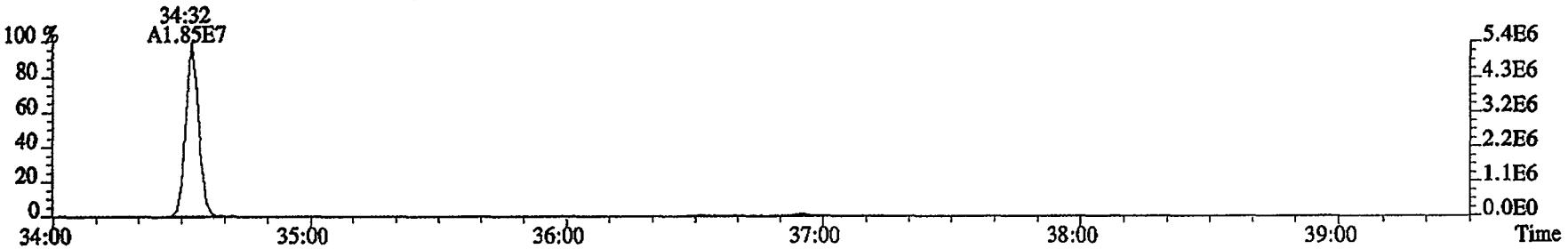
361.8385 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



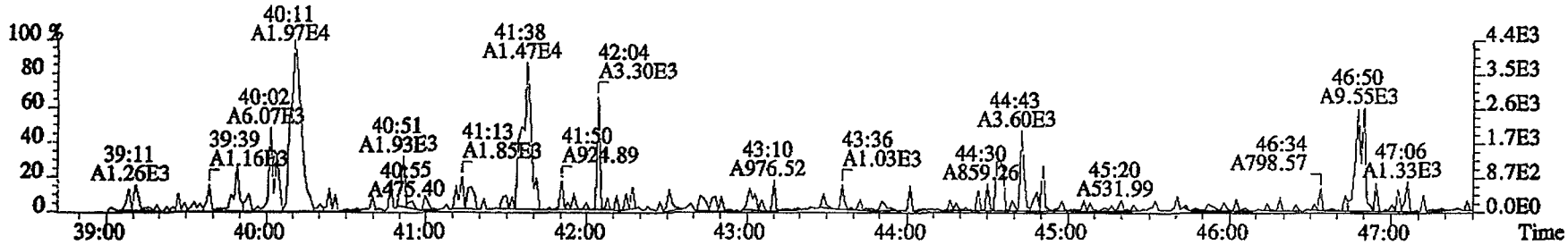
371.8817 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



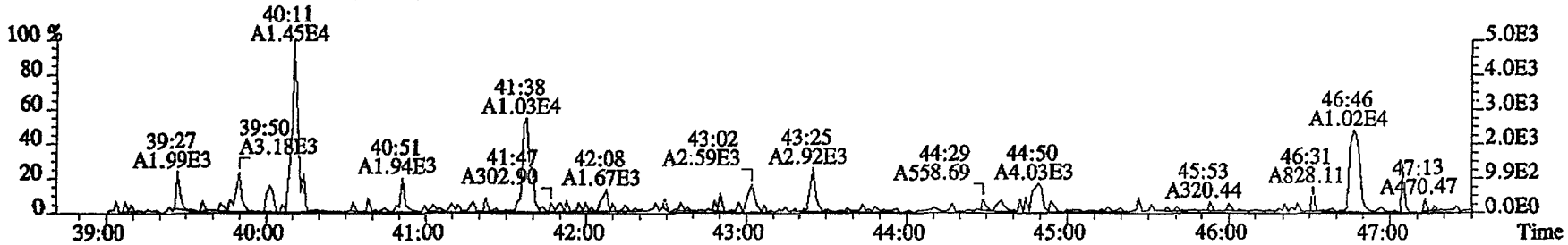
373.8788 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



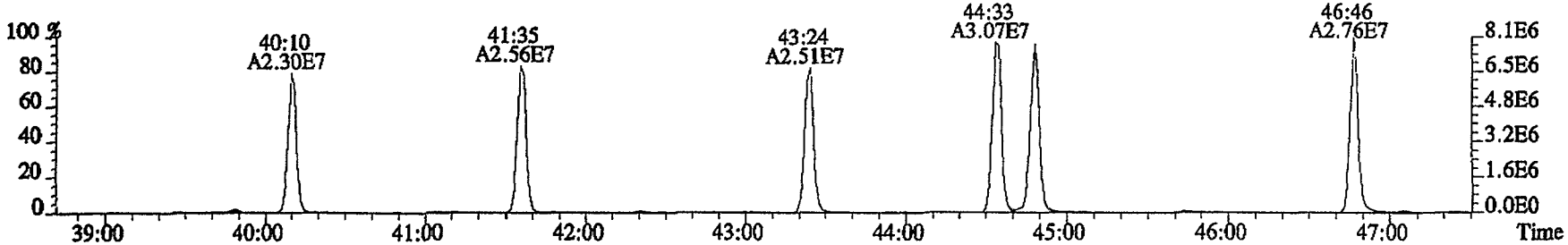
File:040519E1 #1-510 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
359.8415 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



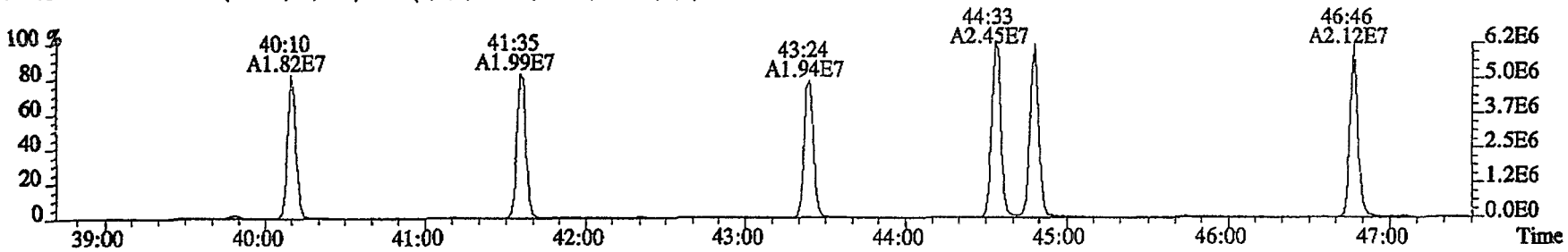
361.8385 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



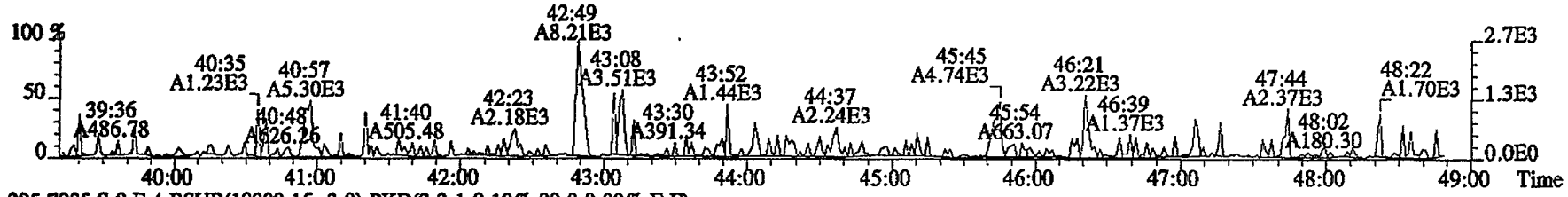
371.8817 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2792.0,0.00%,F,F)



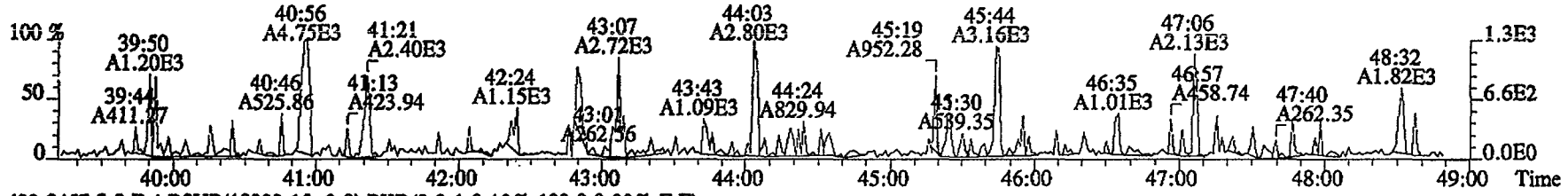
373.8788 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,492.0,0.00%,F,F)



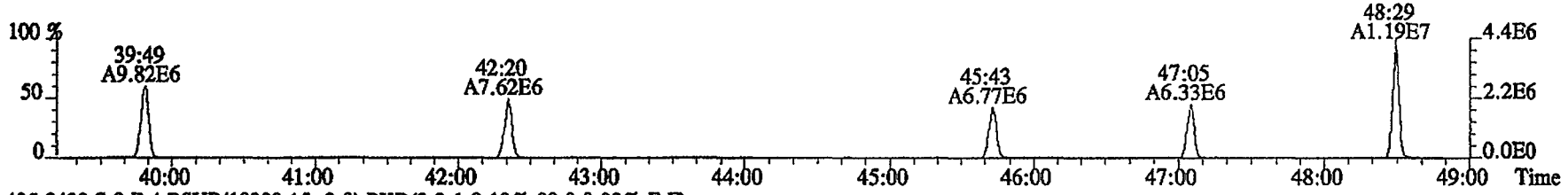
File:040519E1 #1-510 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
393.8025 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



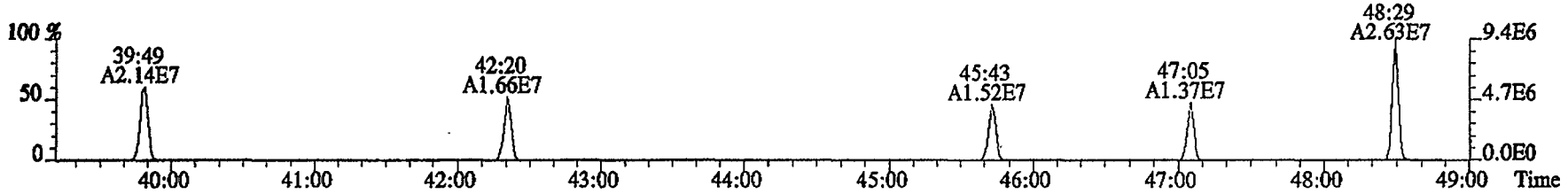
395.7995 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



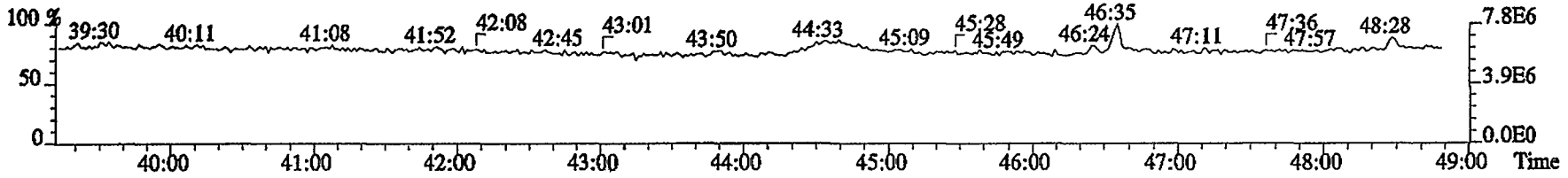
403.8457 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



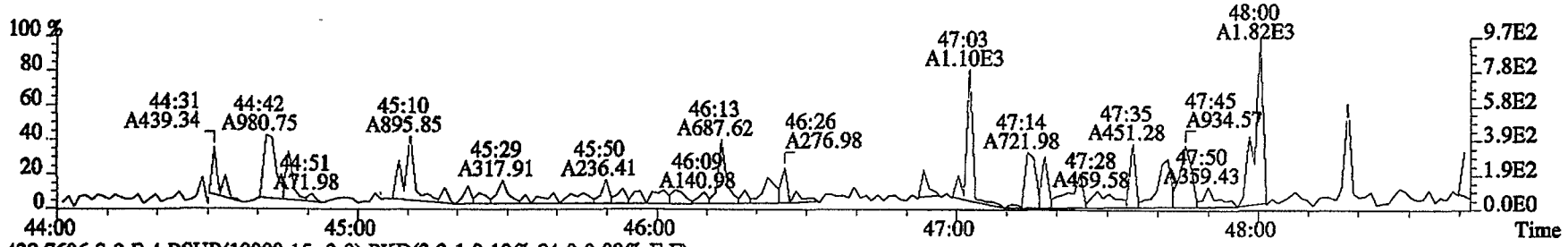
405.8428 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



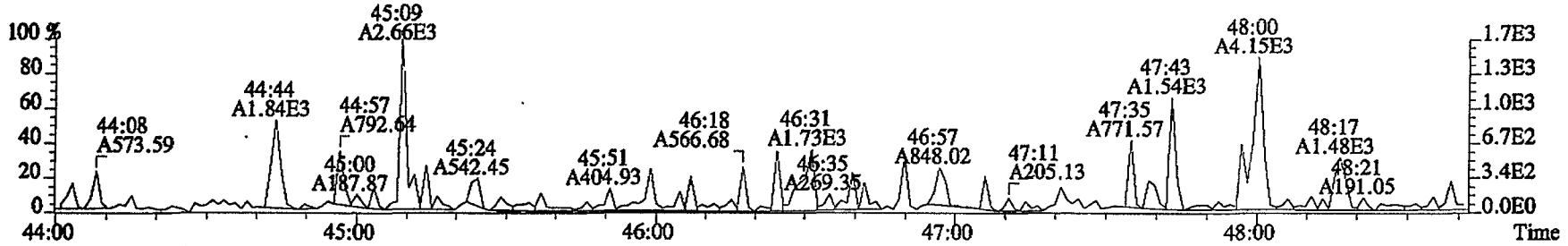
380.9760 S:9 F:4



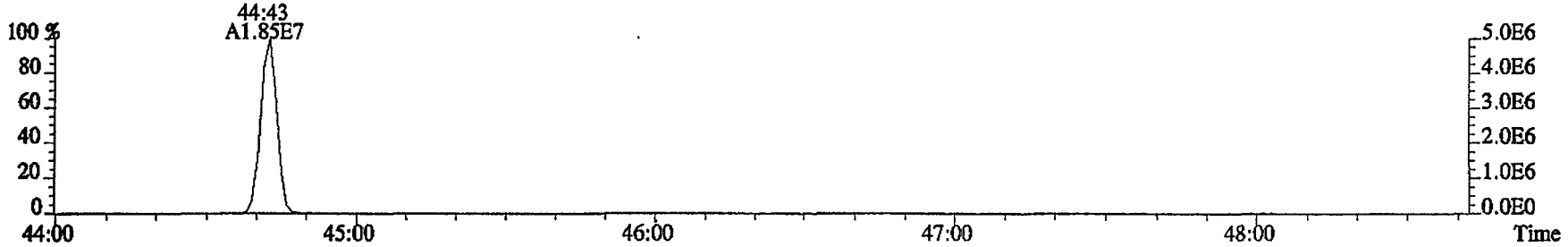
File:040519E1 #1-510 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
427.7635 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



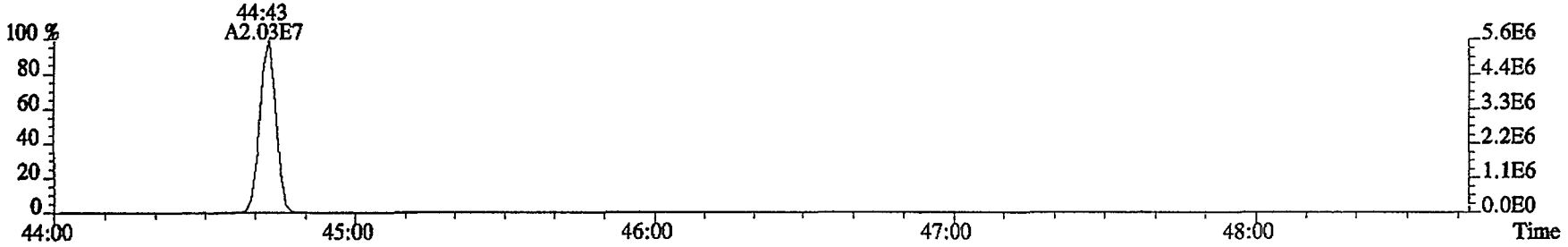
429.7606 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



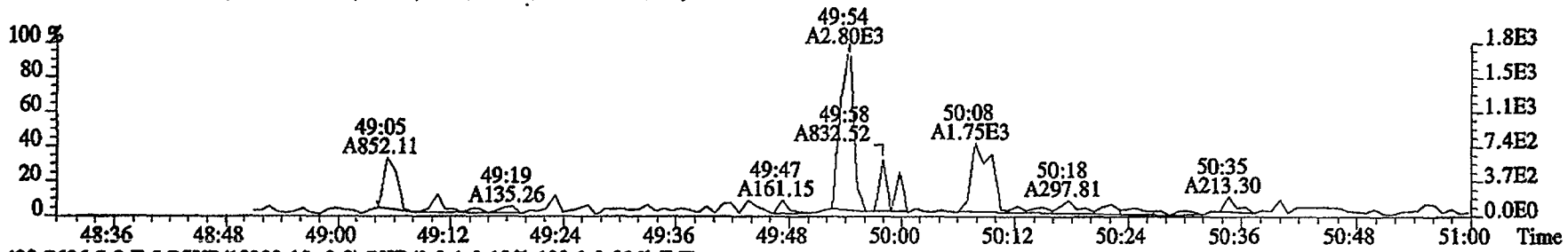
439.8038 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



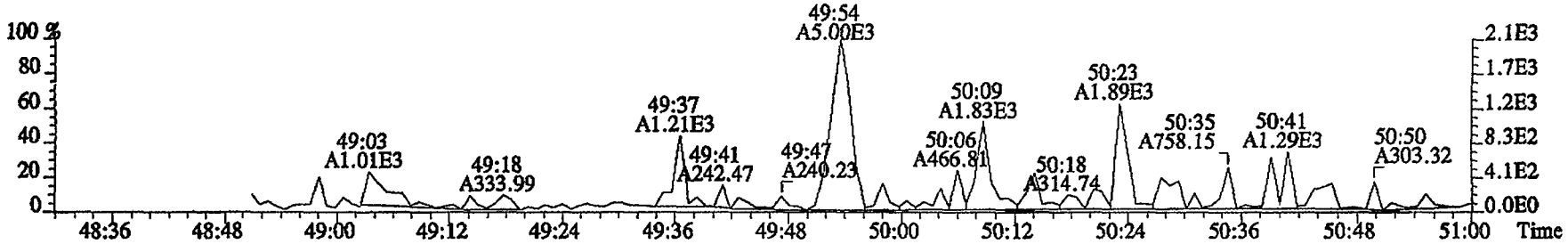
441.8008 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



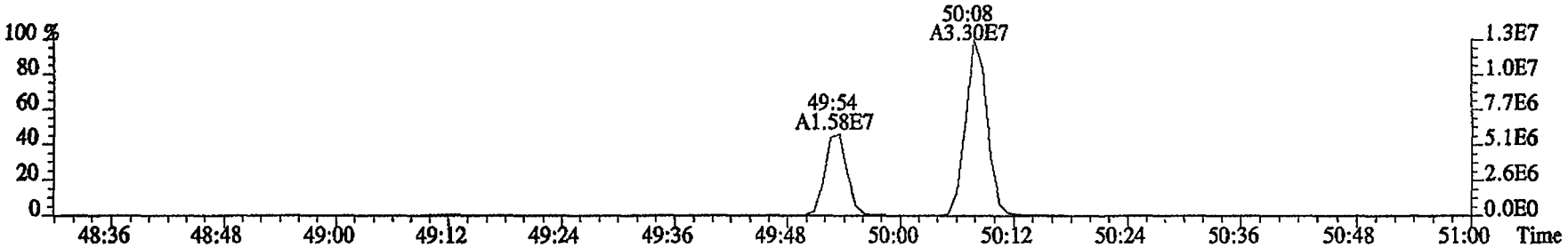
File:040519E1 #1-414 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
427.7635 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



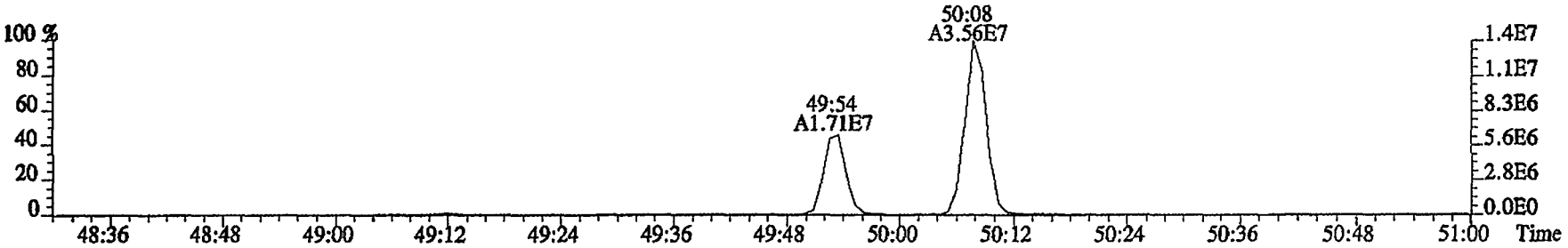
429.7606 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



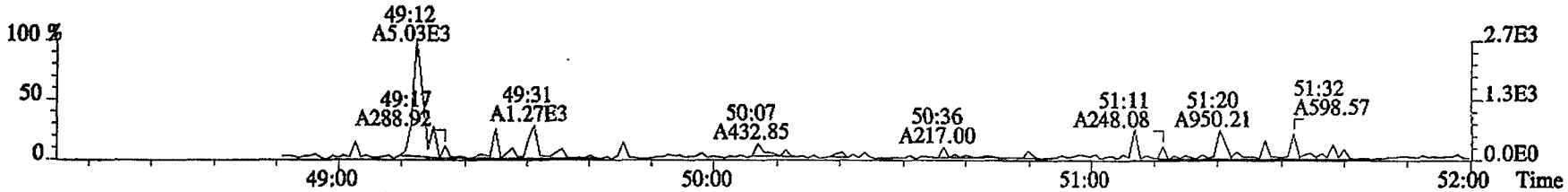
439.8038 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



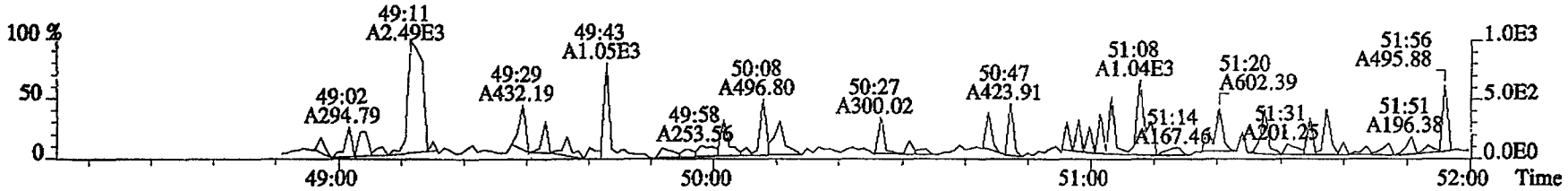
441.8008 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)



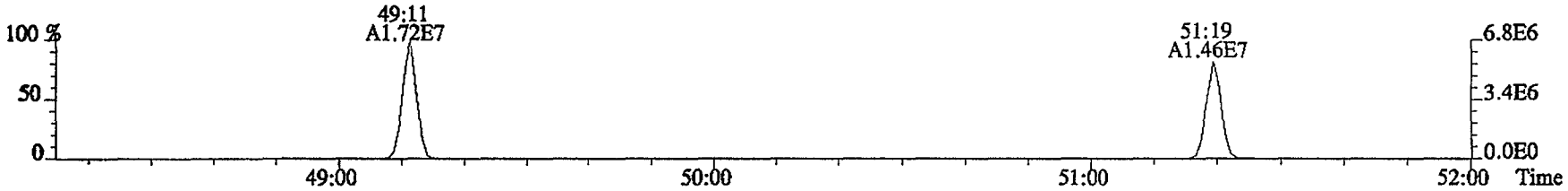
File:040519E1 #1-414 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
463.7216 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



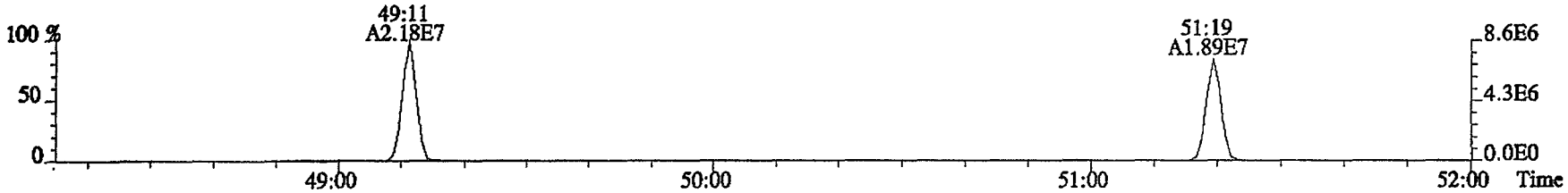
465.7186 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



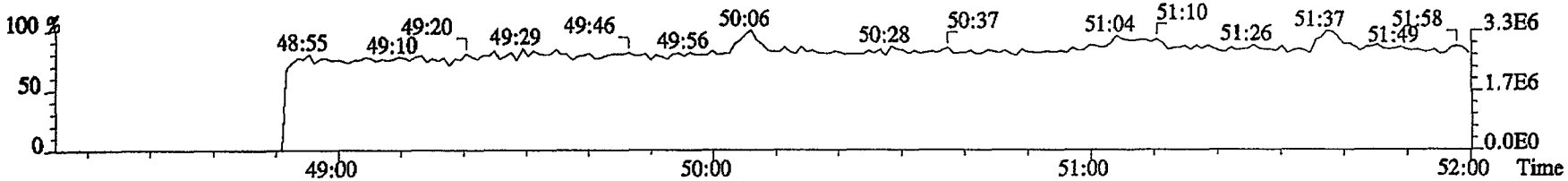
473.7648 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



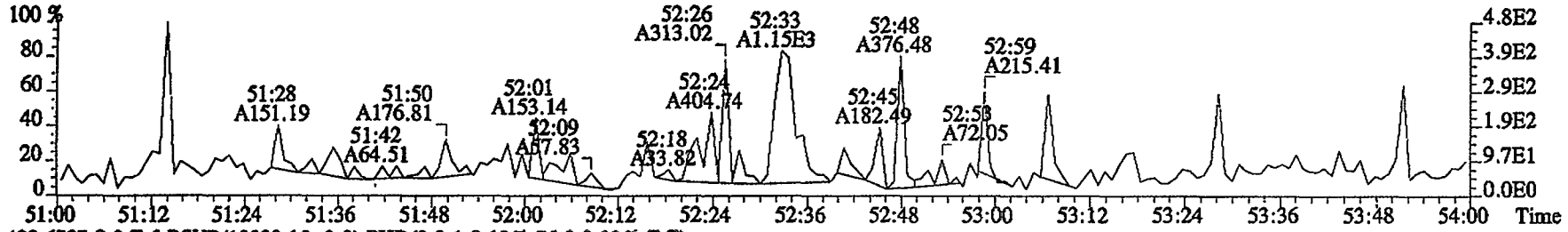
475.7619 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



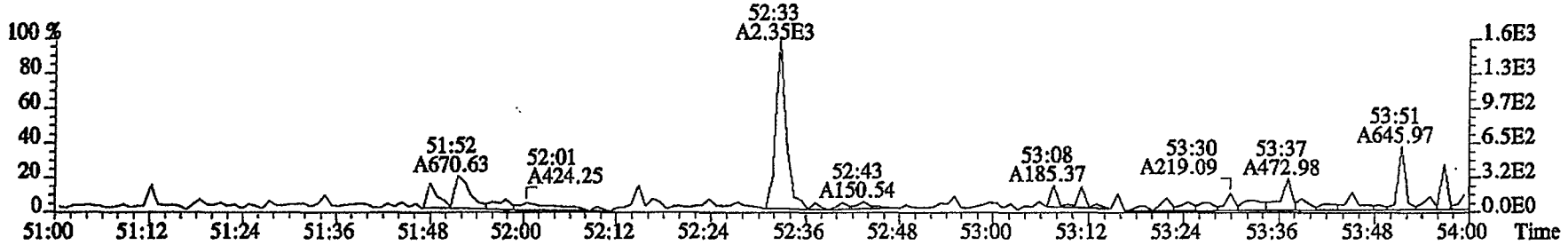
492.9697 S:9 F:5



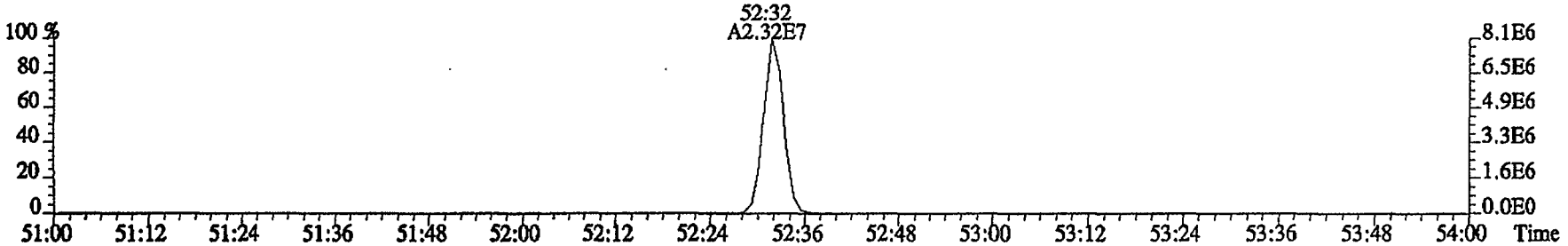
File:040519E1 #1-414 Acq:19-MAY-2004 18:57:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Alta Analytical Laboratory Text:24990_5892_005 84B-AIR-106 1Train Exp:PCB_DB1
497.6826 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



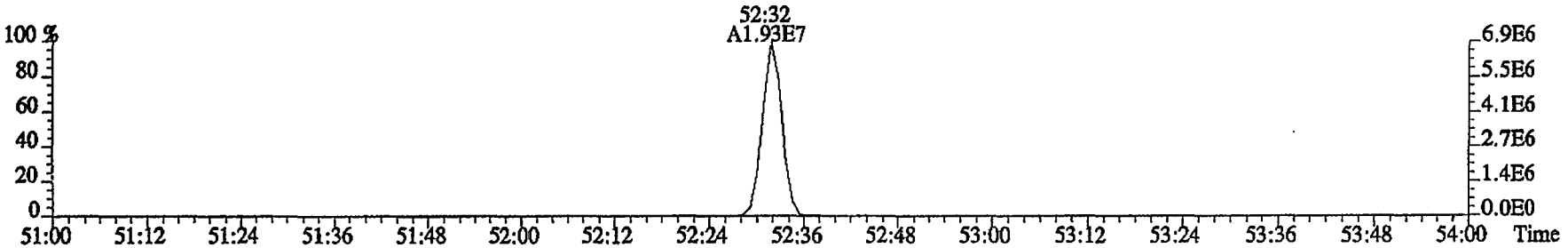
499.6797 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



509.7229 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



511.7199 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



Client ID: 84D-AIR-102 Filename: 040519E1 S:10 Acq:19-MAY-04 19:57:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_006 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL-UCL	Conc
PCB-1	5.90e+06	3.02	y	1.00	15:16	1.001	0.996-1.006	1.52
PCB-2	5.75e+05	2.90	y	0.84	17:31	0.989	0.984-0.994	0.154
PCB-3	3.37e+06	2.93	y	0.96	17:44	1.001	0.996-1.006	0.789
PCB-4/10	3.15e+07	1.63	y	1.81	18:58	1.001	0.998-1.008	8.94
PCB-7/9	6.89e+06	1.71	y	1.48	20:39	1.001	0.997-1.007	1.44
PCB-6	1.99e+07	1.64	y	1.48	21:15	1.031	1.027-1.037	4.17
PCB-5/8	1.19e+08	1.67	y	1.44	21:37	1.048	1.044-1.054	25.9
PCB-14	*	*	n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	2.40e+06	1.58	y	1.45	23:46	1.153	1.148-1.159	0.517
PCB-12/13	2.79e+06	1.53	y	1.50	24:07	1.170	1.165-1.177	0.579
PCB-15	3.88e+07	1.65	y	1.70	24:26	1.185	1.180-1.192	7.11
PCB-19	7.91e+06	1.03	y	1.18	22:48	1.001	0.996-1.006	3.03
PCB-30	*	*	n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	8.27e+07	1.03	y	0.69	24:19	0.954	0.950-0.960	29.3
PCB-17	3.83e+07	1.04	y	0.78	24:29	0.961	0.956-0.966	12.0
PCB-24/27	8.65e+06	1.05	y	0.99	25:00	0.981	0.977-0.987	2.14
PCB-16/32	6.35e+07	1.04	y	0.85	25:28	0.999	0.995-1.005	18.2
PCB-34	4.23e+05	1.12	y	1.19	26:13	0.961	0.956-0.966	0.0882
PCB-23	*	*	n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	1.14e+06	1.16	y	1.35	26:33	0.973	0.968-0.978	0.209
PCB-26	2.24e+07	1.09	y	1.28	26:44	0.980	0.975-0.985	4.34
PCB-25	1.18e+07	1.05	y	1.33	26:53	0.985	0.980-0.990	2.19
PCB-31	1.17e+08	1.08	y	1.30	27:12	0.997	0.991-1.001	22.4
PCB-28	1.47e+08	1.09	y	1.54	27:18	1.000	0.996-1.006	23.7
PCB-20/21/33	1.03e+08	1.08	y	1.27	27:52	1.021	1.016-1.026	20.1
PCB-22	5.32e+07	1.08	y	1.33	28:17	1.036	1.031-1.041	9.93
PCB-36	*	*	n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	*	n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	*	n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	1.26e+06	1.11	y	1.42	30:28	0.987	0.982-0.992	0.251
PCB-37	3.21e+07	1.08	y	1.57	30:52	1.000	0.995-1.005	5.80
PCB-54	*	*	n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	*	n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	4.39e+06	0.76	y	0.71	27:55	1.064	1.059-1.069	1.91
PCB-51	1.54e+06	0.73	y	0.72	28:13	1.076	1.071-1.081	0.661
PCB-45	4.82e+06	0.76	y	0.62	28:37	1.091	1.087-1.097	2.39
PCB-46	1.91e+06	0.74	y	0.60	29:04	1.108	1.102-1.114	0.980

Name	Resp	RA		RRF	RT	RRT	LCL-UCL	Conc
PCB-52/69	2.14e+07	0.76	y	0.81	29:31	1.125	1.119-1.131	8.20
PCB-73	3.62e+05	0.82	y	0.90	29:36	1.128	1.123-1.135	0.124
PCB-43/49	1.79e+07	0.76	y	0.71	29:47	1.135	1.129-1.141	7.86
PCB-47	5.79e+06	0.85	y	0.73	29:58	1.142	1.136-1.148	2.47
PCB-48/75	7.84e+06	0.71	y	0.86	30:04	1.146	1.141-1.153	2.82
PCB-65	*	*	n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	*	n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	1.72e+07	0.76	y	0.61	30:41	1.170	1.164-1.176	8.72
PCB-42/59	9.70e+06	0.77	y	0.79	30:54	1.178	1.171-1.183	3.81
PCB-41/64/71/72	2.42e+07	0.75	y	0.88	31:26	1.198	1.193-1.205	8.55
PCB-68	*	*	n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	3.04e+06	0.75	y	0.53	31:51	1.214	1.208-1.220	1.78
PCB-57	*	*	n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	1.27e+06	0.77	y	1.12	32:29	0.893	0.886-0.895	0.334
PCB-58	*	*	n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	8.68e+05	0.83	y	1.09	32:44	0.900	0.893-0.902	0.235
PCB-74	1.22e+07	0.76	y	1.15	33:00	0.907	0.900-0.909	3.11
PCB-61	*	*	n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	2.30e+07	0.77	y	1.14	33:10	0.911	0.905-0.915	5.95
PCB-76	*	*	n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	2.05e+07	0.76	y	1.31	33:22	0.917	0.911-0.921	4.59
PCB-80	*	*	n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	6.96e+05	0.77	y	1.10	33:51	0.930	0.925-0.935	0.186
PCB-56/60	1.60e+07	0.76	y	1.09	34:19	0.943	0.936-0.946	4.31
PCB-79	*	*	n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	*	n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	*	n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	9.47e+05	0.80	y	1.06	36:57	1.000	0.995-1.005	0.262
PCB-104	*	*	n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	*	n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	*	n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	*	n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	*	n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	3.26e+06	1.61	y	1.09	33:25	1.000	0.995-1.005	1.51
PCB-93	*	*	n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	5.69e+05	1.57	y	1.00	33:47	1.011	1.006-1.016	0.289
PCB-121	*	*	n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]

Date: 5-21-04

Client ID: 84D-AIR-102 Filename: 040519E1 S:10 Acq:19-MAY-04 19:57:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_006 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
PCB-84/92	1.35e+06	1.58	y	1.01	34:37	0.990	0.985	0.995	0.662
PCB-89	*	*	n	0.96	NotFnd	*	0.990	1.000	*
PCB-90/101	3.38e+06	1.55	y	1.14	34:59	1.001	0.995	1.005	1.48
PCB-113	*	*	n	1.19	NotFnd	*	1.001	1.011	*
PCB-99	1.36e+06	1.59	y	1.27	35:16	1.009	1.004	1.014	0.534
PCB-119	*	*	n	1.45	NotFnd	*	1.016	1.026	*
PCB-108/112	*	*	n	1.15	NotFnd	*	1.020	1.030	*
PCB-83	*	*	n	1.31	NotFnd	*	1.024	1.034	*
PCB-97	8.55e+05	1.61	y	1.02	36:10	1.034	1.029	1.039	0.415
PCB-86	*	*	n	0.91	NotFnd	*	1.032	1.042	*
B-87/117/125	1.40e+06	1.69	y	1.32	36:25	1.042	1.036	1.046	0.528
PCB-111/115	*	*	n	1.46	NotFnd	*	1.040	1.050	*
PCB-85/116	5.21e+05	1.59	y	1.21	36:40	1.049	1.043	1.053	0.215
PCB-120	*	*	n	1.53	NotFnd	*	1.050	1.060	*
PCB-110	3.17e+06	1.59	y	1.47	37:00	1.058	1.054	1.064	1.07
PCB-82	2.91e+05	1.48	y	0.70	37:34	0.976	0.972	0.982	0.183
PCB-124	*	*	n	1.17	NotFnd	*	0.988	0.998	*
PCB-107/109	*	*	n	1.21	NotFnd	*	0.991	1.001	*
PCB-123	*	*	n	1.15	NotFnd	*	0.995	1.005	*
PCB-106/118	1.84e+06	1.53	y	1.06	38:40	1.000	0.996	1.006	0.684
PCB-114	*	*	n	1.40	NotFnd	*	0.995	1.005	*
PCB-122	*	*	n	1.45	NotFnd	*	0.979	0.989	*
PCB-105	7.05e+05	1.53	y	1.44	40:03	1.000	0.996	1.006	0.197
PCB-127	*	*	n	1.35	NotFnd	*	1.004	1.014	*
PCB-126	*	*	n	1.41	NotFnd	*	0.995	1.005	*
PCB-155	*	*	n	1.12	NotFnd	*	0.995	1.005	*
PCB-150	*	*	n	1.04	NotFnd	*	1.028	1.038	*
PCB-152	*	*	n	1.03	NotFnd	*	1.041	1.051	*
PCB-145	*	*	n	1.02	NotFnd	*	1.052	1.062	*
PCB-136	2.53e+05	1.34	y	1.00	36:49	1.066	1.061	1.071	0.108
PCB-148	*	*	n	0.79	NotFnd	*	1.064	1.074	*
PCB-154	*	*	n	0.92	NotFnd	*	1.077	1.087	*
PCB-151	*	*	n	0.72	NotFnd	*	1.094	1.104	*
PCB-135	*	*	n	0.70	NotFnd	*	1.098	1.110	*
PCB-144	*	*	n	0.77	NotFnd	*	1.101	1.113	*
PCB-147	*	*	n	0.83	NotFnd	*	1.105	1.117	*
PCB-139/149	7.83e+05	1.24	y	0.80	38:35	1.117	1.112	1.124	0.417

TLLO 0.129

Name	Resp	RA		RRF	RT	RRT	LCL	UCL	Conc
- PCB-140	*	*	n	0.80	NotFnd	*	1.117	1.129	*
- PCB-134/143	*	*	n	0.74	NotFnd	*	1.128	1.140	*
PCB-133/142	*	*	n	0.74	NotFnd	*	1.136	1.148	*
PCB-131	*	*	n	0.72	NotFnd	*	1.140	1.152	*
PCB-146/165	*	*	n	1.01	NotFnd	*	0.986	0.996	*
PCB-132/161	2.95e+05	1.21	y	0.96	40:02	0.997	0.991	1.001	0.139
PCB-153	8.74e+05	1.22	y	1.03	40:10	1.000	0.995	1.005	0.385
PCB-168	*	*	n	1.11	NotFnd	*	1.000	1.010	*
PCB-141	*	*	n	0.89	NotFnd	*	1.012	1.022	*
PCB-137	*	*	n	0.84	NotFnd	*	1.021	1.031	*
PCB-130	*	*	n	0.77	NotFnd	*	1.023	1.033	*
PCB-138/163/164	8.11e+05	1.28	y	1.09	41:37	1.036	1.032	1.042	0.336
PCB-158/160	*	*	n	1.16	NotFnd	*	1.037	1.047	*
PCB-129	*	*	n	0.73	NotFnd	*	1.042	1.052	*
PCB-166	*	*	n	0.93	NotFnd	*	0.974	0.984	*
PCB-159	*	*	n	0.99	NotFnd	*	0.981	0.991	*
PCB-128/162	*	*	n	0.84	NotFnd	*	0.987	0.997	*
PCB-167	*	*	n	0.97	NotFnd	*	0.995	1.005	*
PCB-156	*	*	n	1.04	NotFnd	*	0.995	1.005	*
PCB-157	*	*	n	0.96	NotFnd	*	0.996	1.006	*
PCB-169	*	*	n	0.96	NotFnd	*	0.995	1.005	*
PCB-188	*	*	n	1.47	NotFnd	*	0.995	1.005	*
PCB-184	*	*	n	1.48	NotFnd	*	1.005	1.015	*
PCB-179	*	*	n	1.38	NotFnd	*	1.023	1.033	*
PCB-176	*	*	n	1.34	NotFnd	*	1.034	1.044	*
PCB-186	*	*	n	1.38	NotFnd	*	1.048	1.058	*
PCB-178	*	*	n	0.99	NotFnd	*	1.059	1.069	*
PCB-175	*	*	n	0.98	NotFnd	*	1.067	1.077	*
PCB-182/187	2.14e+05	1.15	y	1.16	42:48	1.075	1.071	1.081	0.113
PCB-183	*	*	n	1.12	NotFnd	*	1.078	1.088	*
PCB-185	*	*	n	1.38	NotFnd	*	0.952	0.962	*
PCB-174	*	*	n	1.46	NotFnd	*	0.959	0.969	*
PCB-181	*	*	n	1.42	NotFnd	*	0.961	0.971	*
PCB-177	*	*	n	1.35	NotFnd	*	0.964	0.974	*
PCB-171	*	*	n	1.45	NotFnd	*	0.970	0.980	*
PCB-173	*	*	n	1.29	NotFnd	*	0.978	0.988	*
PCB-172	*	*	n	1.30	NotFnd	*	0.987	0.997	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-21-04

Client ID: 84D-AIR-102 Filename: 040519E1 S:10 Acq:19-MAY-04 19:57:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_006 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL	UCL	Conc
	PCB-192	*	* n	1.70	NotFnd	*	0.991	1.001	*
	PCB-180	*	* n	1.50	NotFnd	*	0.995	1.005	*
	PCB-193	*	* n	1.94	NotFnd	*	0.999	1.009	*
	PCB-191	*	* n	1.79	NotFnd	*	1.004	1.014	*
	PCB-170	*	* n	1.53	NotFnd	*	0.995	1.005	*
	PCB-190	*	* n	2.02	NotFnd	*	0.999	1.009	*
	PCB-189	*	* n	1.42	NotFnd	*	0.995	1.005	*
	PCB-202	*	* n	1.00	NotFnd	*	0.996	1.006	*
	PCB-201	*	* n	0.99	NotFnd	*	1.005	1.015	*
	PCB-204	*	* n	1.02	NotFnd	*	1.008	1.018	*
	PCB-197	*	* n	1.04	NotFnd	*	1.014	1.025	*
	PCB-200	*	* n	0.98	NotFnd	*	1.032	1.042	*
	PCB-198	*	* n	0.68	NotFnd	*	1.060	1.070	*
	PCB-199	*	* n	0.74	NotFnd	*	1.062	1.072	*
-	PCB-196/203	*	* n	0.79	NotFnd	*	1.068	1.078	*
-	PCB-195	*	* n	1.18	NotFnd	*	0.979	0.989	*
	PCB-194	*	* n	1.28	NotFnd	*	0.995	1.005	*
	PCB-205	*	* n	1.67	NotFnd	*	1.000	1.010	*
	PCB-208	*	* n	0.94	NotFnd	*	0.995	1.005	*
	PCB-207	*	* n	0.84	NotFnd	*	1.001	1.014	*
	PCB-206	*	* n	0.88	NotFnd	*	0.995	1.005	*
	PCB-209	*	* n	1.11	NotFnd	*	0.995	1.005	*

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	9.84e+06	3.02 y	15:16	0.93	2.47	
Total Di-PCB	2.22e+08	1.63 y	18:58	1.51	48.7	
Total Tri-PCB	2.01e+08	1.03 y	22:48	0.99	64.7	
Total Tri-PCB	4.90e+08	1.12 y	26:13	1.38	89.0	Sum:154
Total Tetra-PCB	1.96e+08	0.76 y	27:55	0.81	69.3	
Total Penta-PCB	1.80e+07	1.61 y	33:25	1.10	7.57	
Total Penta-PCB	7.05e+05	1.53 y	40:03	1.41	0.197	Sum:7.77
Total Hexa-PCB	1.04e+06	1.34 y	36:49	0.88	0.525	
Total Hexa-PCB	1.98e+06	1.21 y	40:02	0.92	0.860	Sum:1.39
Total Hepta-PCB	2.14e+05	1.15 y	42:48	1.37	0.113	
Total Octa-PCB	*	* n	NotFnd	0.89	*	
Total Octa-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	* n	NotFnd	0.89	*	
Total Deca-PCB	*	* n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100ng

RL: OCTA - DECA: 0.150ng Date: 5-21-04

Client ID: 84D-AIR-102 Filename: 040519E1 S:10 Acq:19-MAY-04 19:57:36 ConCal: ST040519E1-1
Lab ID: 24990_5892_006 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

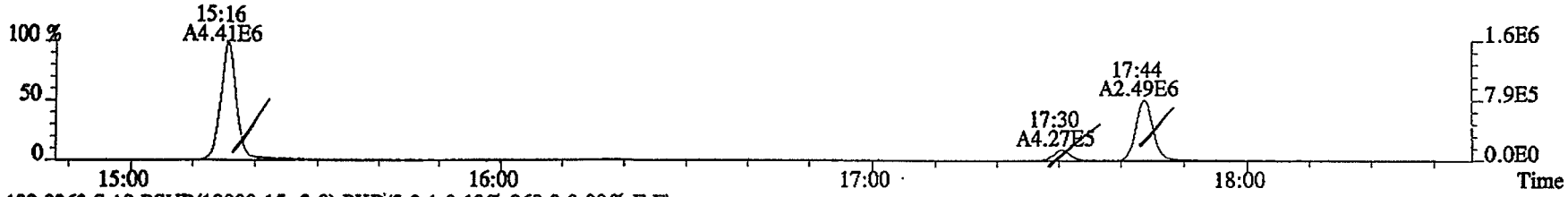
Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	7.77e+07	3.18 y	1.09	15:15	0.625	0.624-0.630	11.3	56.3
13C-PCB-3	8.87e+07	3.22 y	1.24	17:43	0.726	0.723-0.731	11.2	56.2
13C-PCB-4	3.90e+07	1.59 y	0.59	18:57	0.776	0.774-0.782	10.5	52.3
13C-PCB-9	6.42e+07	1.57 y	0.90	20:37	0.845	0.842-0.850	11.3	56.3
13C-PCB-19	4.43e+07	1.06 y	0.70	22:47	0.838	0.835-0.843	12.1	60.3
13C-PCB-28	8.05e+07	1.05 y	1.09	27:17	1.004	0.998-1.008	14.0	70.2
13C-PCB-32	8.21e+07	1.04 y	1.18	25:29	0.937	0.932-0.942	13.3	66.4
13C-PCB-37	7.06e+07	1.08 y	0.93	30:51	1.135	1.128-1.140	14.5	72.3
13C-PCB-54	6.46e+07	0.80 y	1.15	26:14	0.765	0.762-0.770	11.8	59.2
13C-PCB-77	6.81e+07	0.81 y	1.01	36:57	1.077	1.071-1.081	14.2	71.1
13C-PCB-81	6.79e+07	0.79 y	0.98	36:23	1.061	1.056-1.066	14.6	73.2
13C-PCB-95	3.93e+07	1.61 y	0.73	33:25	0.914	0.910-0.920	14.9	74.7
13C-PCB-101	4.02e+07	1.57 y	0.73	34:58	0.956	0.952-0.962	15.2	76.0
13C-PCB-104	5.13e+07	1.58 y	0.93	30:32	0.835	0.832-0.840	15.2	75.8
13C-PCB-105	4.98e+07	1.63 y	1.09	40:02	0.962	0.957-0.967	17.1	85.7
13C-PCB-114	5.18e+07	1.58 y	1.13	39:15	0.944	0.938-0.948	17.1	85.7
13C-PCB-118	5.08e+07	1.58 y	0.98	38:39	1.057	1.053-1.063	14.2	71.2
13C-PCB-123	4.57e+07	1.58 y	0.87	38:29	1.053	1.048-1.058	14.4	71.9
13C-PCB-126	5.28e+07	1.60 y	1.06	42:05	1.012	1.006-1.016	18.7	93.4
13C-PCB-153	4.42e+07	1.26 y	1.12	40:10	0.966	0.961-0.971	14.8	73.9
13C-PCB-155	4.70e+07	1.26 y	0.97	34:32	0.830	0.827-0.835	13.3	66.6
13C-PCB-156	6.16e+07	1.26 y	1.24	44:34	1.071	1.066-1.076	18.5	92.6
13C-PCB-157	6.10e+07	1.30 y	1.33	44:48	1.077	1.072-1.082	17.2	85.8
13C-PCB-167	5.43e+07	1.30 y	1.28	43:24	1.043	1.038-1.048	15.8	79.0
13C-PCB-169	5.93e+07	1.27 y	1.26	46:47	1.125	1.118-1.130	17.5	87.7
13C-PCB-170	2.38e+07	0.45 y	0.56	47:05	1.132	1.125-1.137	16.0	80.0
13C-PCB-180	2.63e+07	0.47 y	0.65	45:43	1.099	1.094-1.104	15.1	75.3
13C-PCB-188	3.30e+07	0.45 y	0.92	39:48	0.957	0.952-0.962	13.3	66.7
13C-PCB-189	4.47e+07	0.46 y	0.85	48:29	1.166	1.158-1.170	19.8	98.9
13C-PCB-194	4.04e+07	0.92 y	0.71	49:53	0.995	0.990-1.000	14.1	70.5
13C-PCB-202	4.17e+07	0.91 y	1.02	44:42	1.075	1.070-1.080	15.3	76.7
13C-PCB-206	3.99e+07	0.77 y	0.65	51:19	1.024	1.019-1.029	15.3	76.4
13C-PCB-208	4.94e+07	0.78 y	0.94	49:11	0.981	0.977-0.987	13.1	65.4
13C-PCB-209	5.17e+07	1.20 y	0.97	52:32	1.048	1.044-1.054	13.2	66.1
13C-PCB-15	1.27e+08	1.57 y	1.00	24:24			20.0	-
13C-PCB-31	1.05e+08	1.06 y	1.00	27:12			20.0	-
13C-PCB-60	9.49e+07	0.79 y	1.00	34:18			20.0	-
13C-PCB-111	7.27e+07	1.56 y	1.00	36:33			20.0	-
13C-PCB-138	5.35e+07	1.29 y	1.00	41:35			20.0	-
13C-PCB-205	8.06e+07	0.91 y	1.00	50:08			20.0	-

Name	Resp	RA	RT	RRF	Conc	Rec
13C-PCB-52	6.57e+07	0.81 y	29:29	0.82	23.7	94.8
13C-PCB-178	2.86e+07	0.45 y	42:20	0.90	24.2	96.9

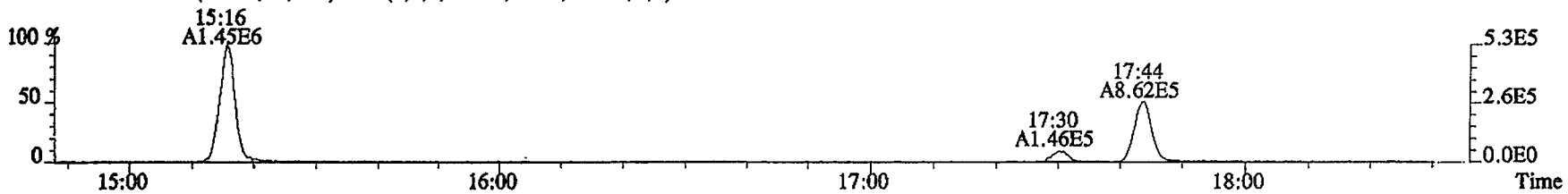
Integrations by Analyst: [signature]

Date: 5-21-04

File:040519E1 #1-729 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
188.0393 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1476.0,0.00%,F,F)

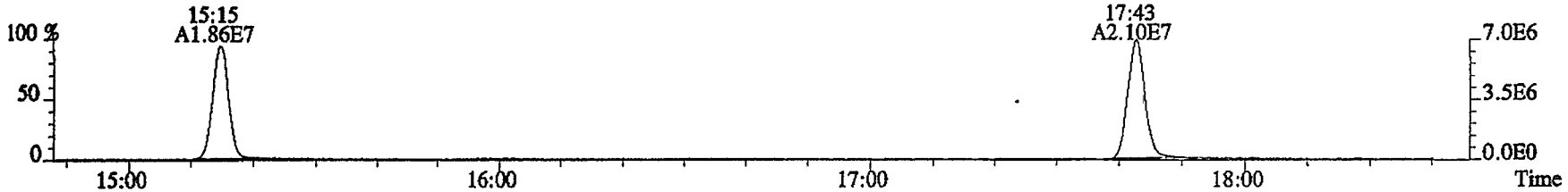


190.0363 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,868.0,0.00%,F,F)

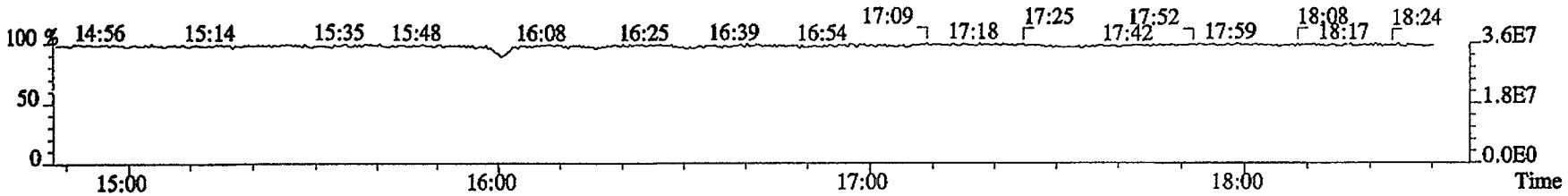


200.0795 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4220.0,0.00%,F,F)

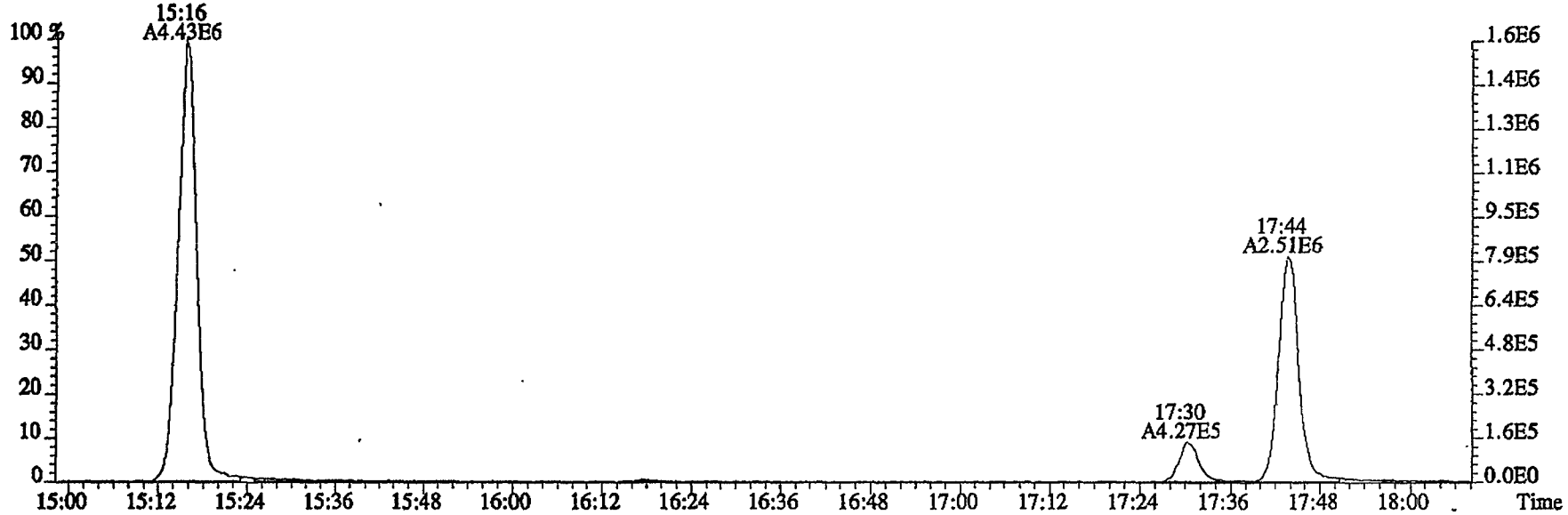
202.0766 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,44300.0,0.00%,F,F)



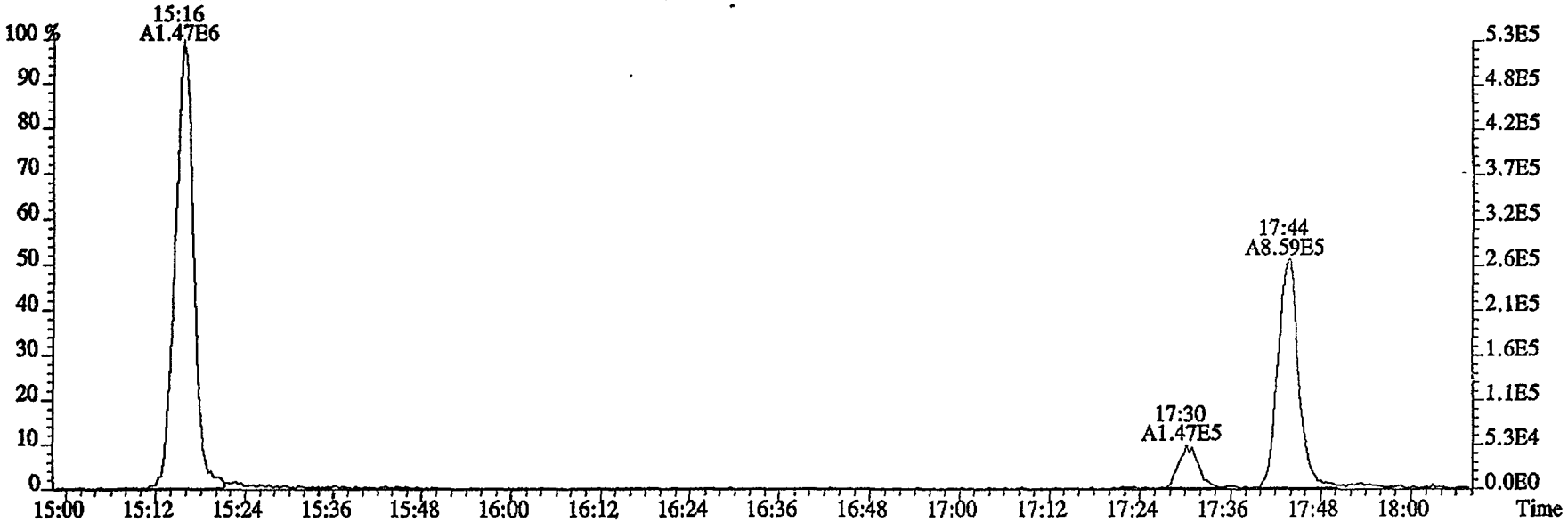
180.9880 S:10



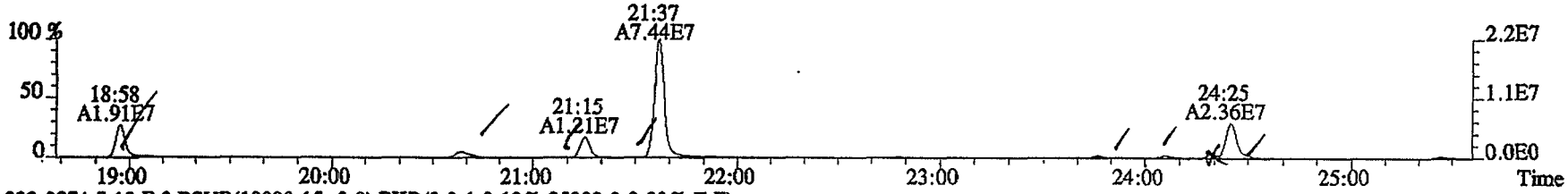
File:040519E1 #1-729 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
188.0393 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1476.0,0.00%,F,F)



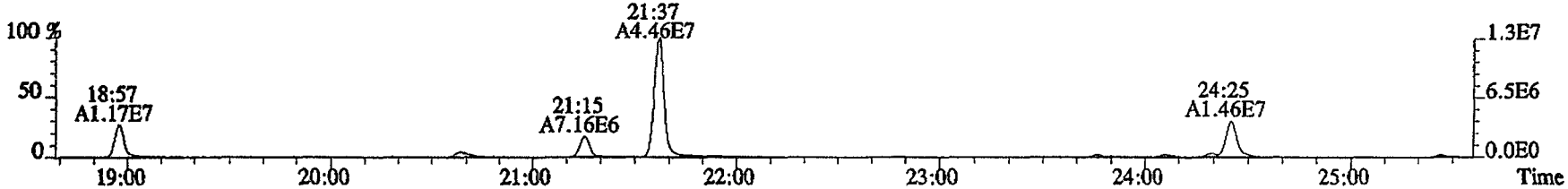
190.0363 S:10 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,868.0,0.00%,F,F)



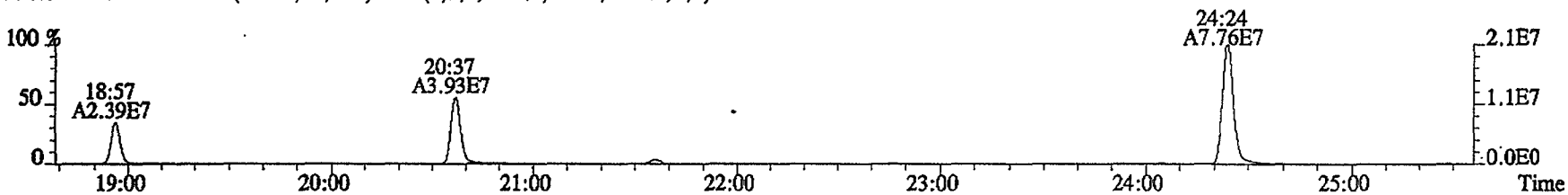
File:040519E1 #1-686 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4776.0,0.00%,F,F)



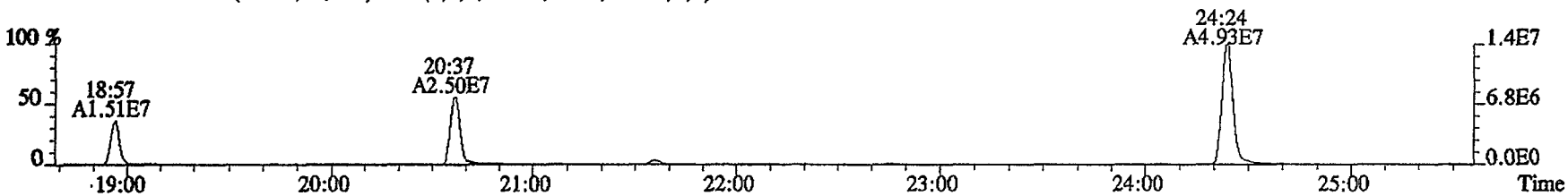
223.9974 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25092.0,0.00%,F,F)



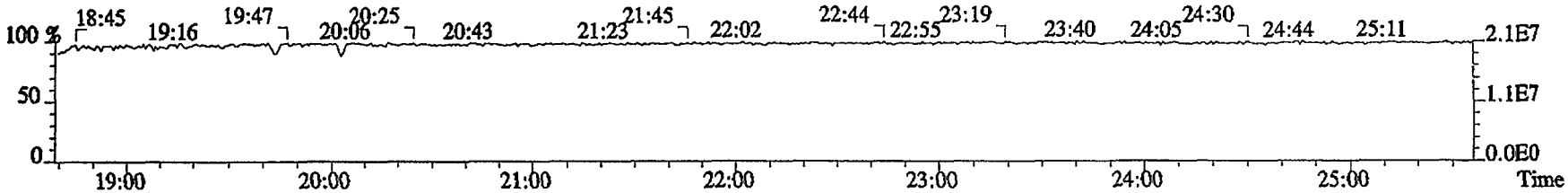
234.0406 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,F)



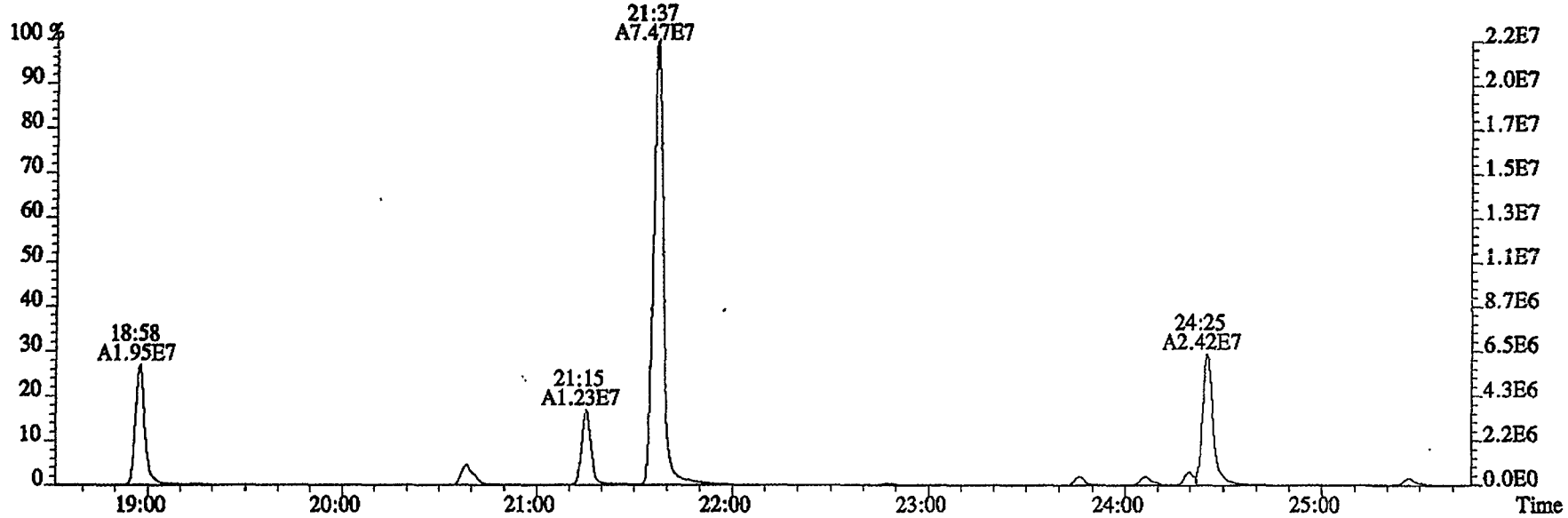
236.0376 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,840.0,0.00%,F,F)



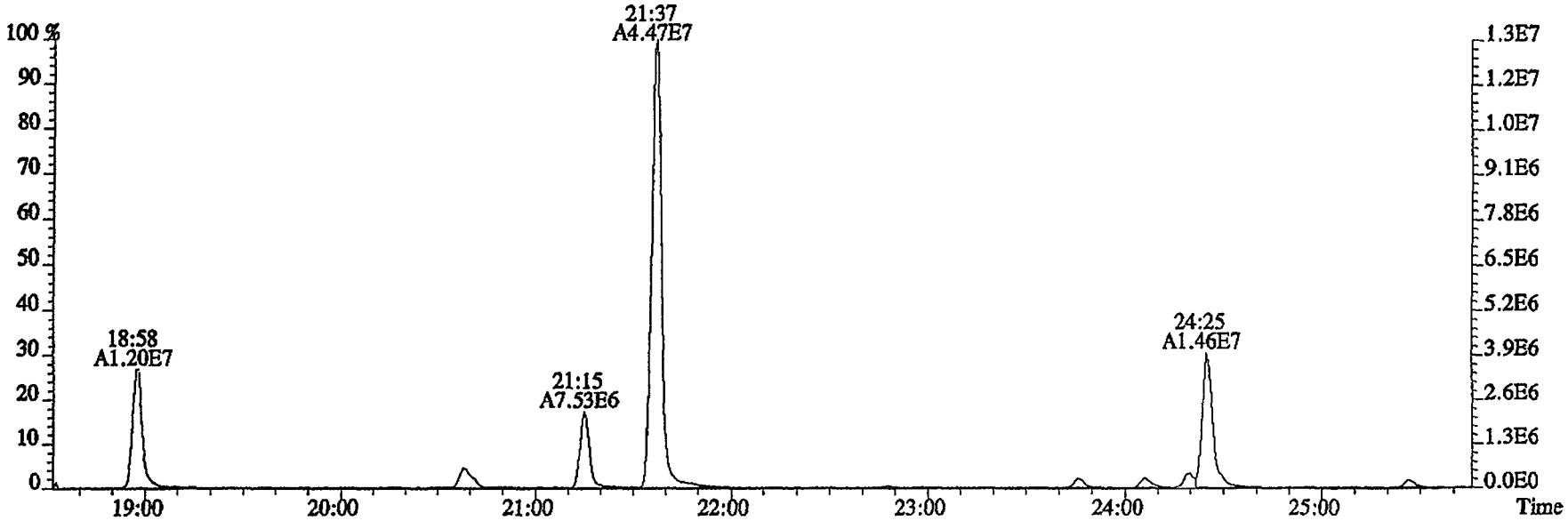
230.9856 S:10 F:2



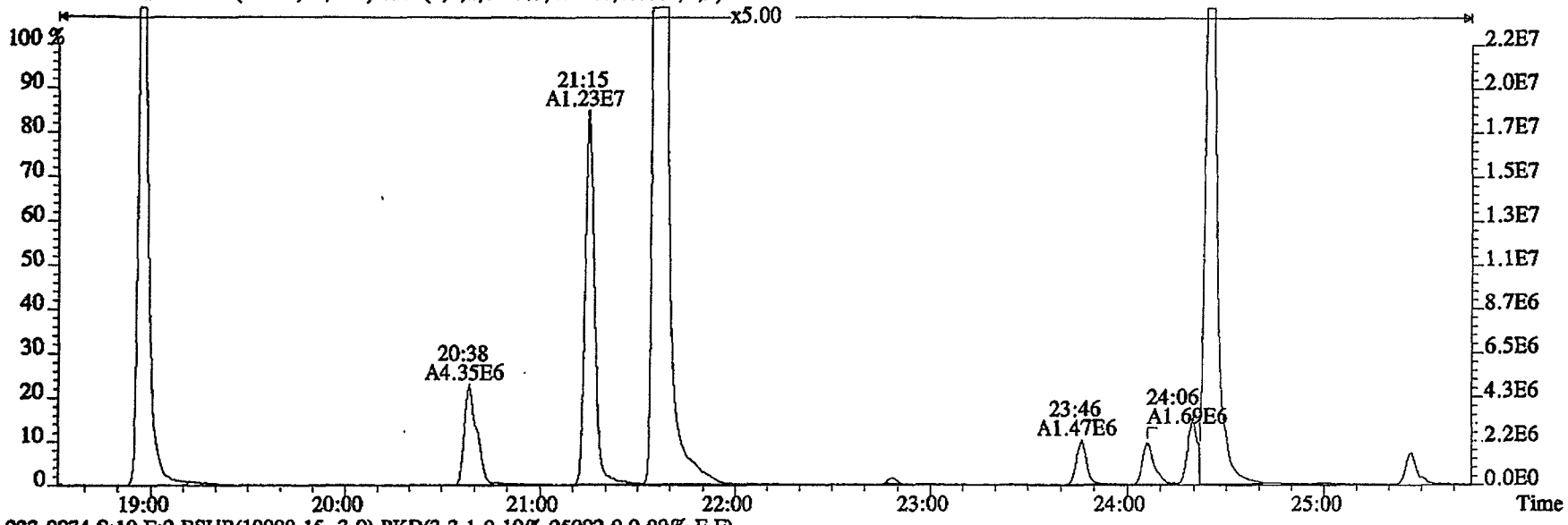
File:040519E1 #1-686 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4776.0,0.00%,F,F)



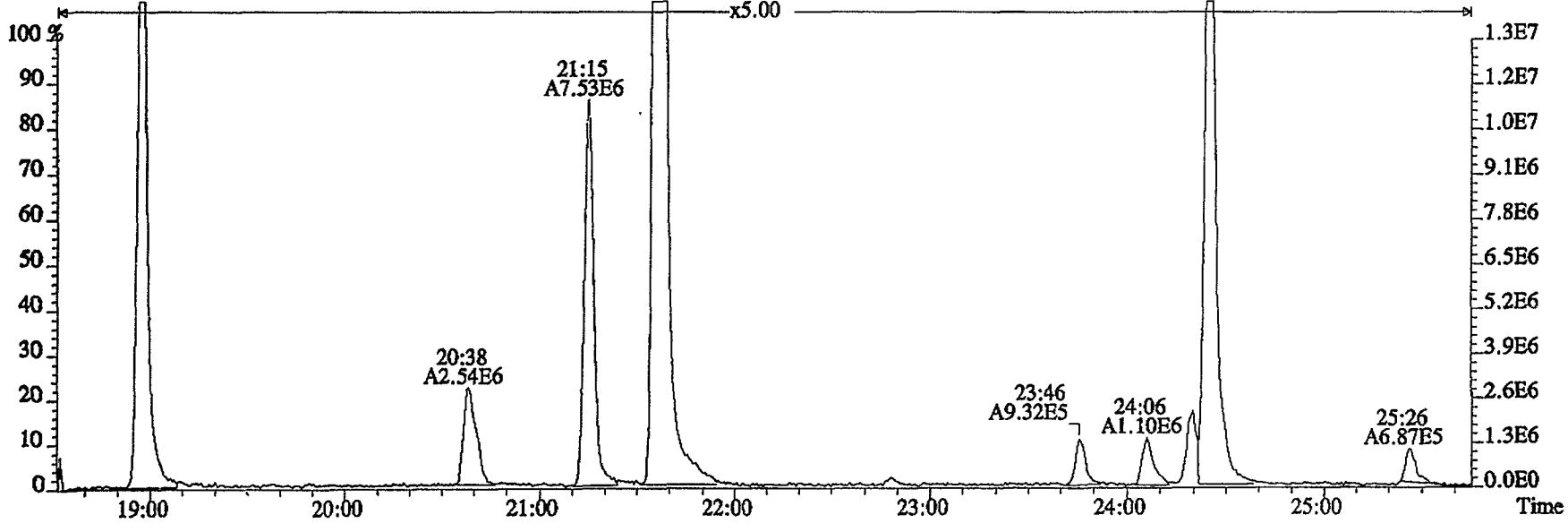
223.9974 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25092.0,0.00%,F,F)



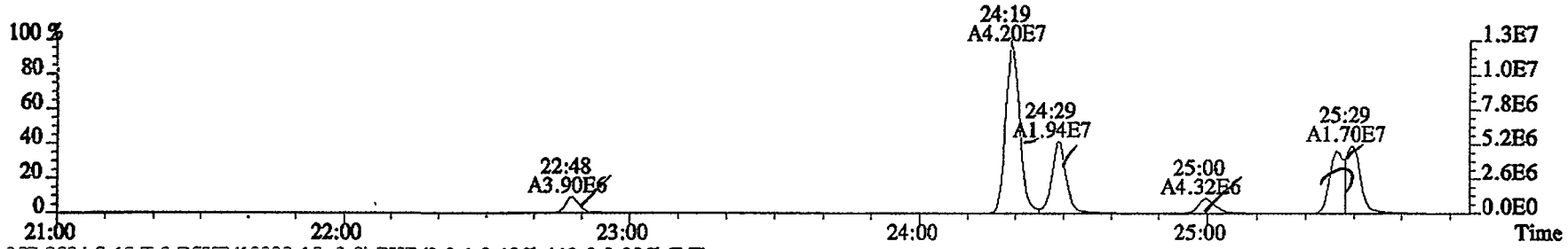
File:040519E1 #1-686 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4776.0,0.00%,F,F)



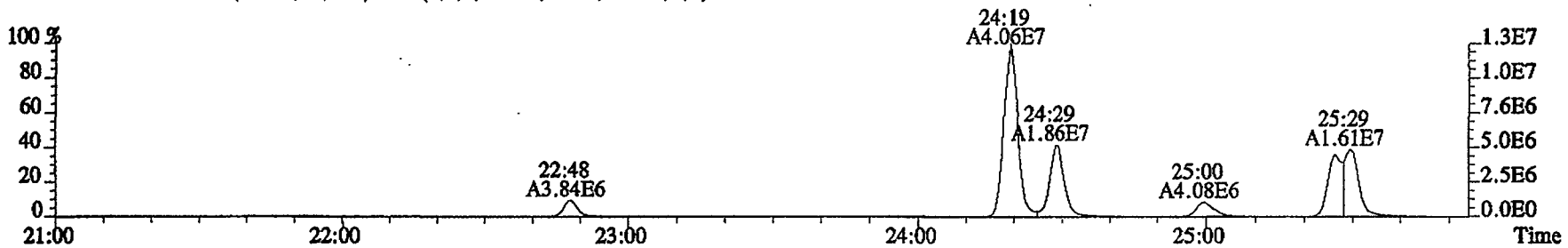
223.9974 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25092.0,0.00%,F,F)



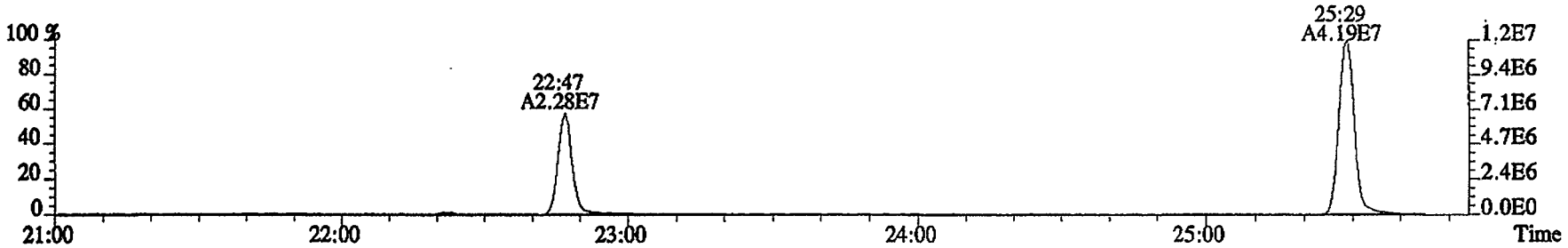
File:040519E1 #1-686 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1564.0,0.00%,F,F)



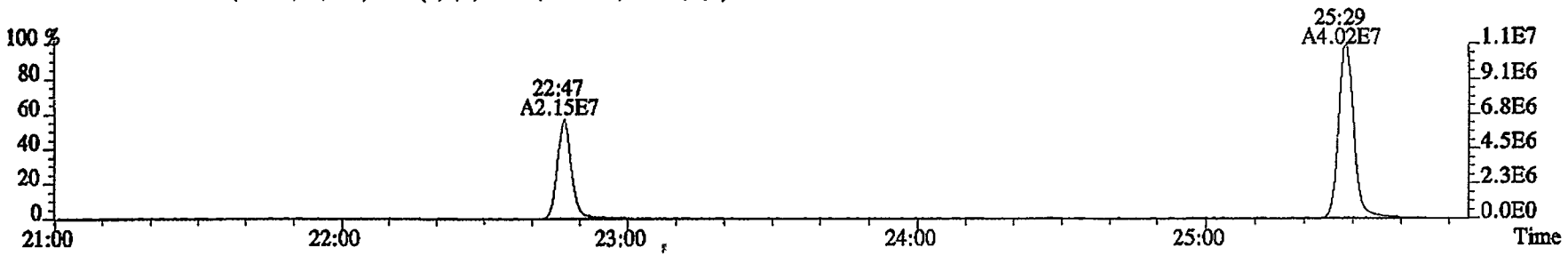
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



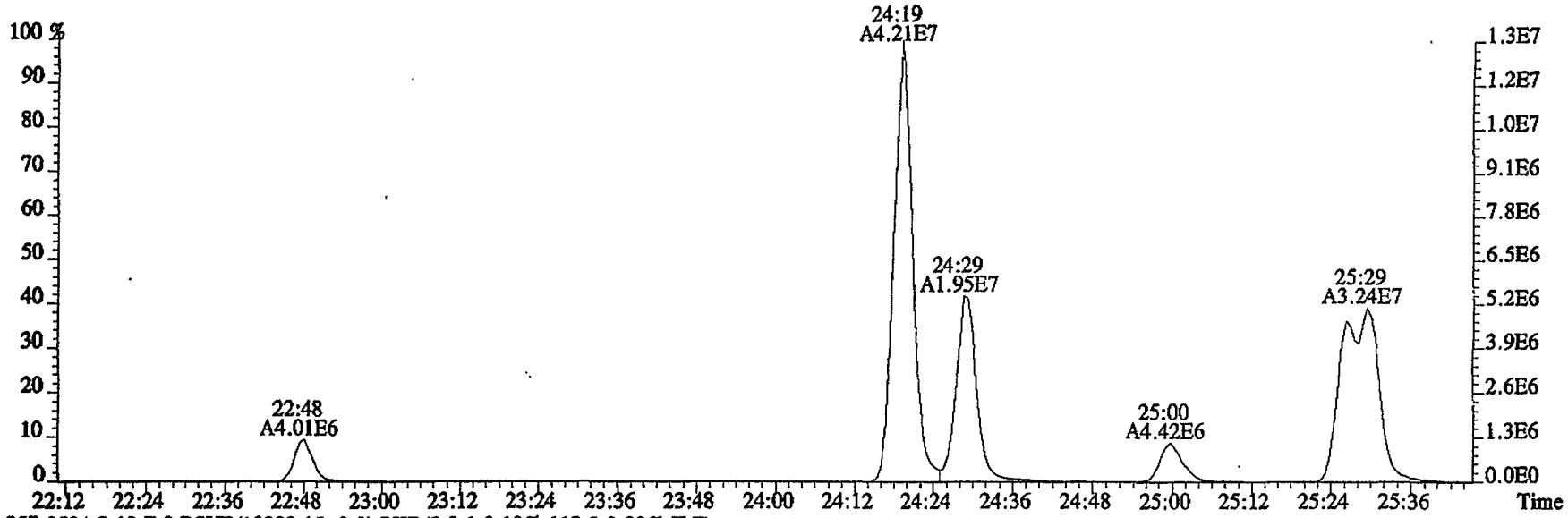
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,37196.0,0.00%,F,F)



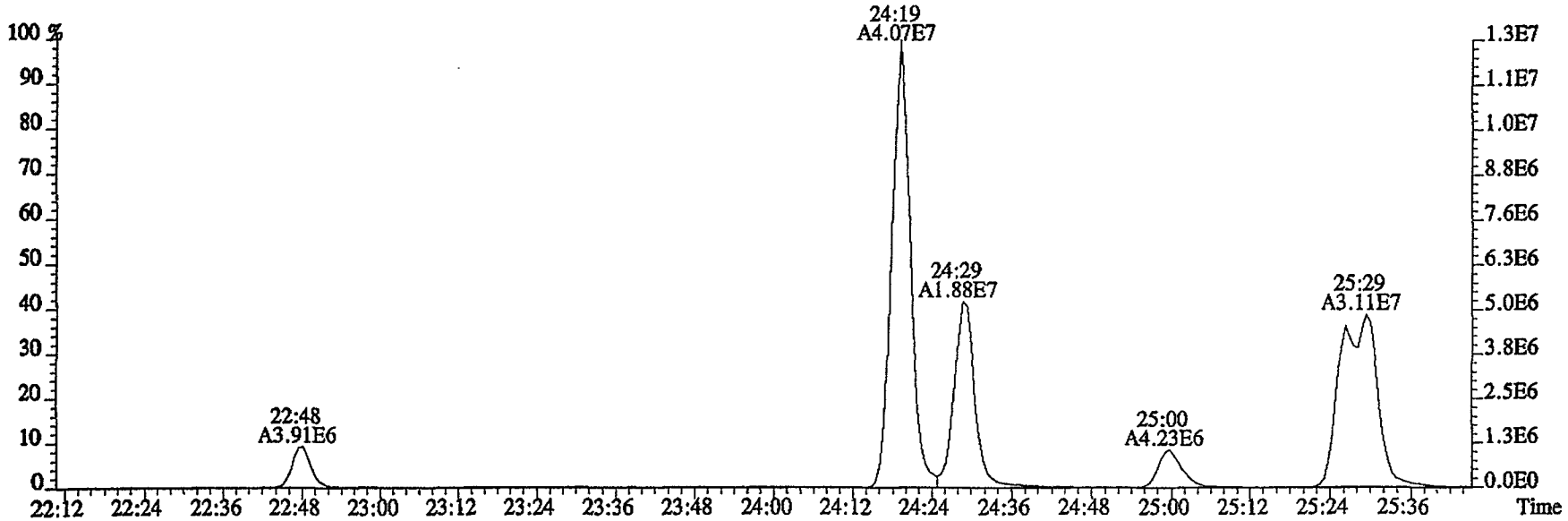
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20432.0,0.00%,F,F)



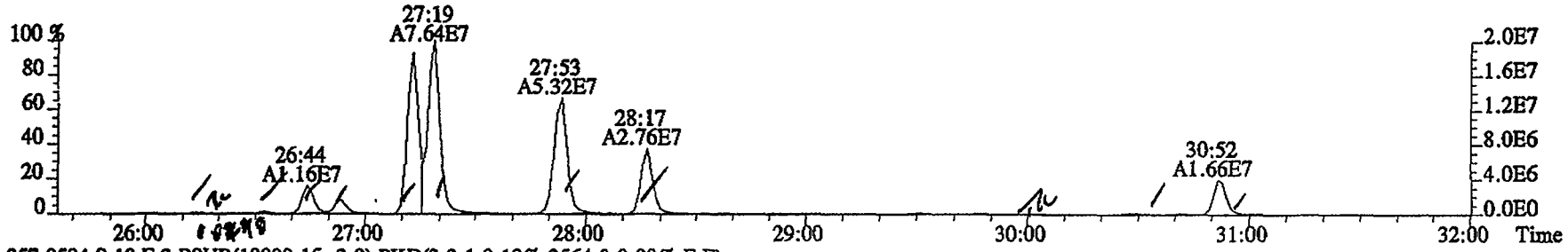
File:040519E1 #1-686 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1564.0,0.00%,F,F)



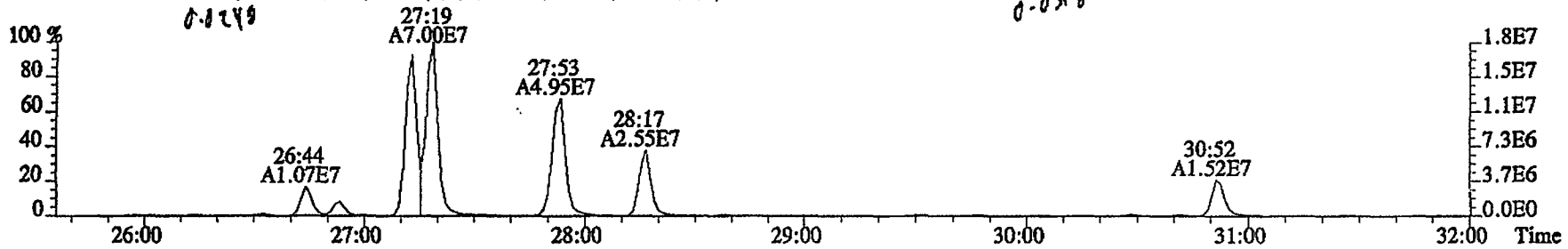
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



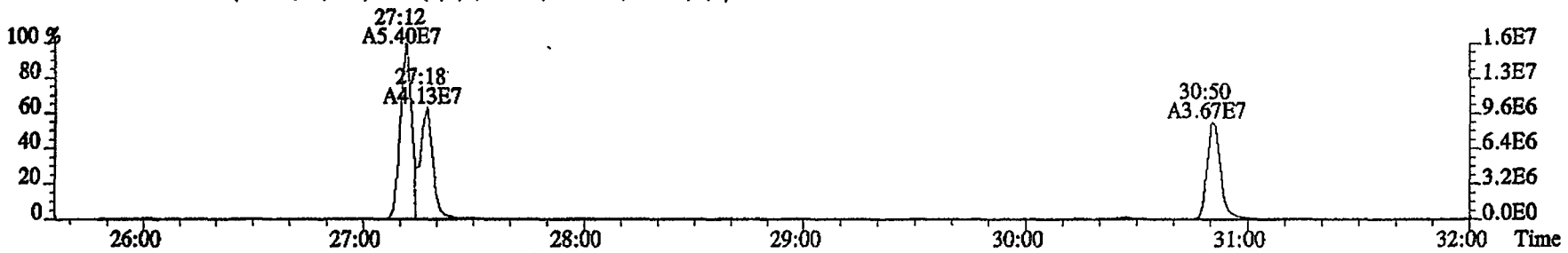
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



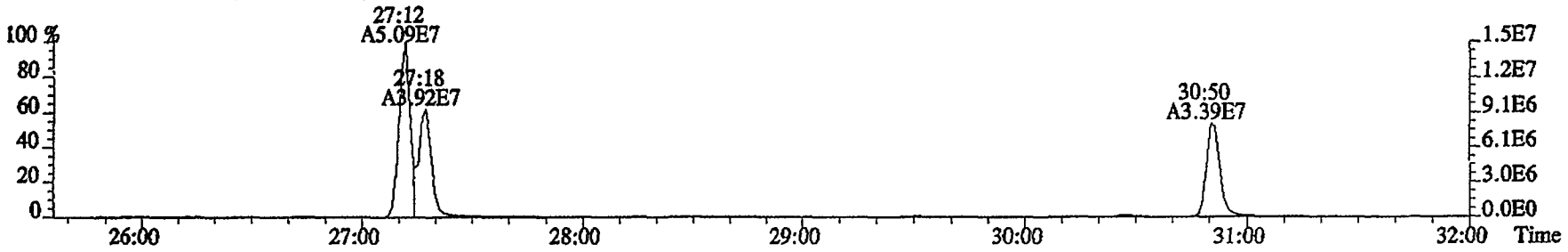
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



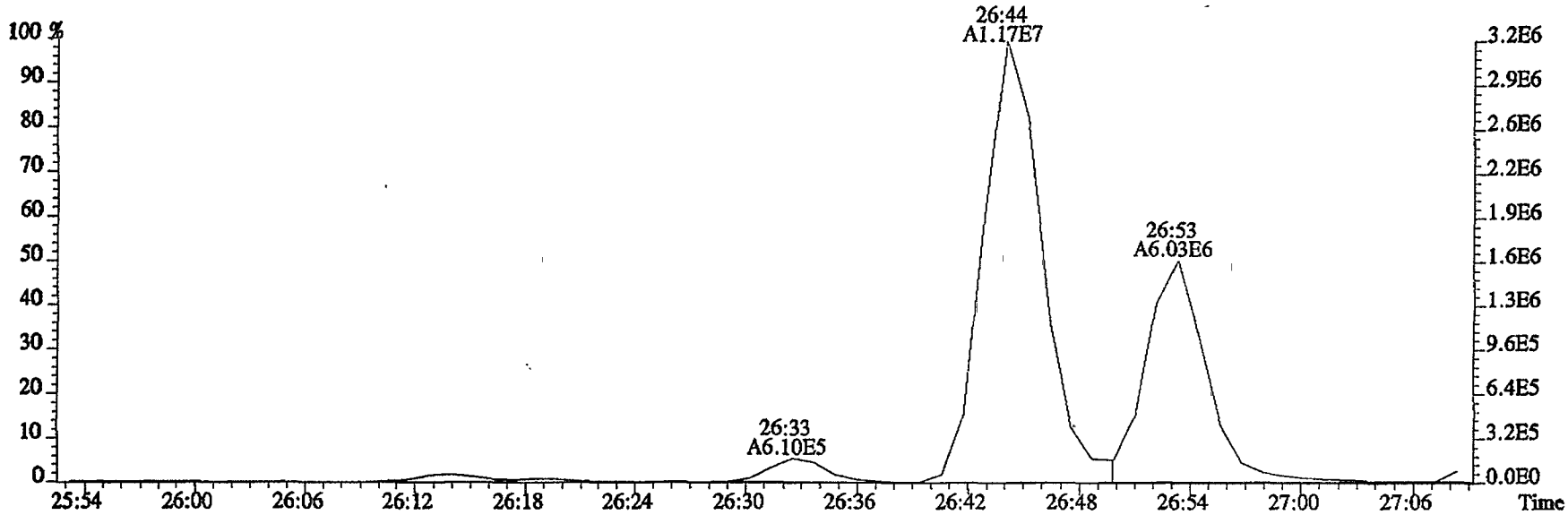
268.0016 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,45420.0,0.00%,F,F)



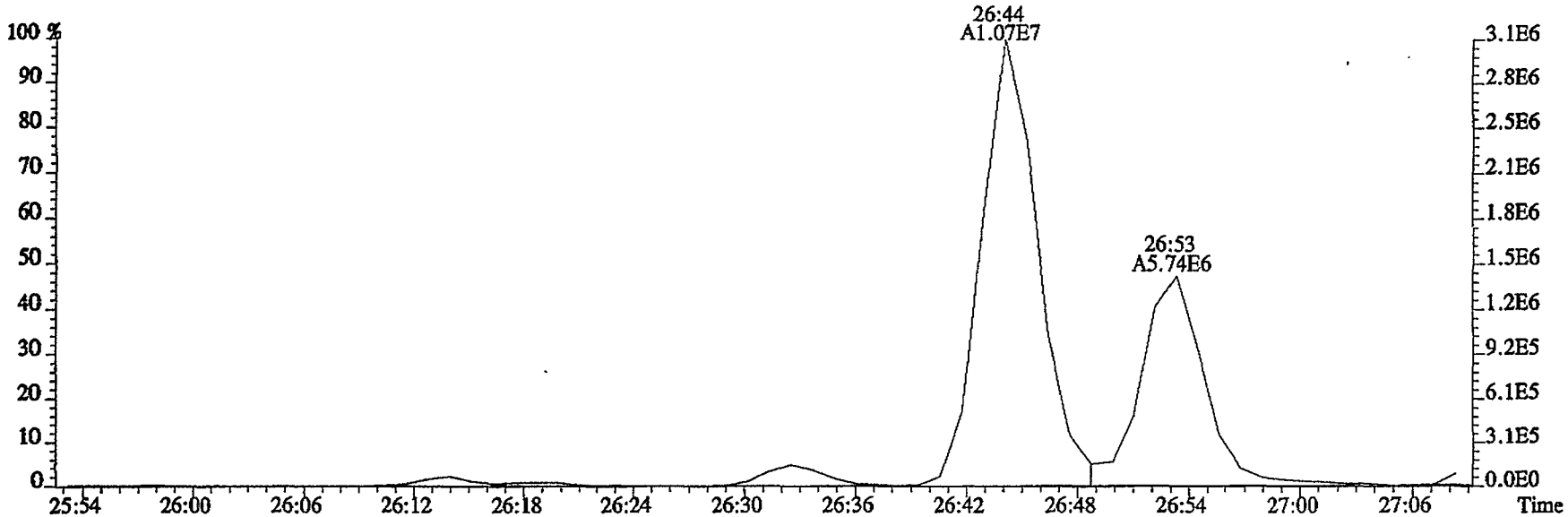
269.9986 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16424.0,0.00%,F,F)



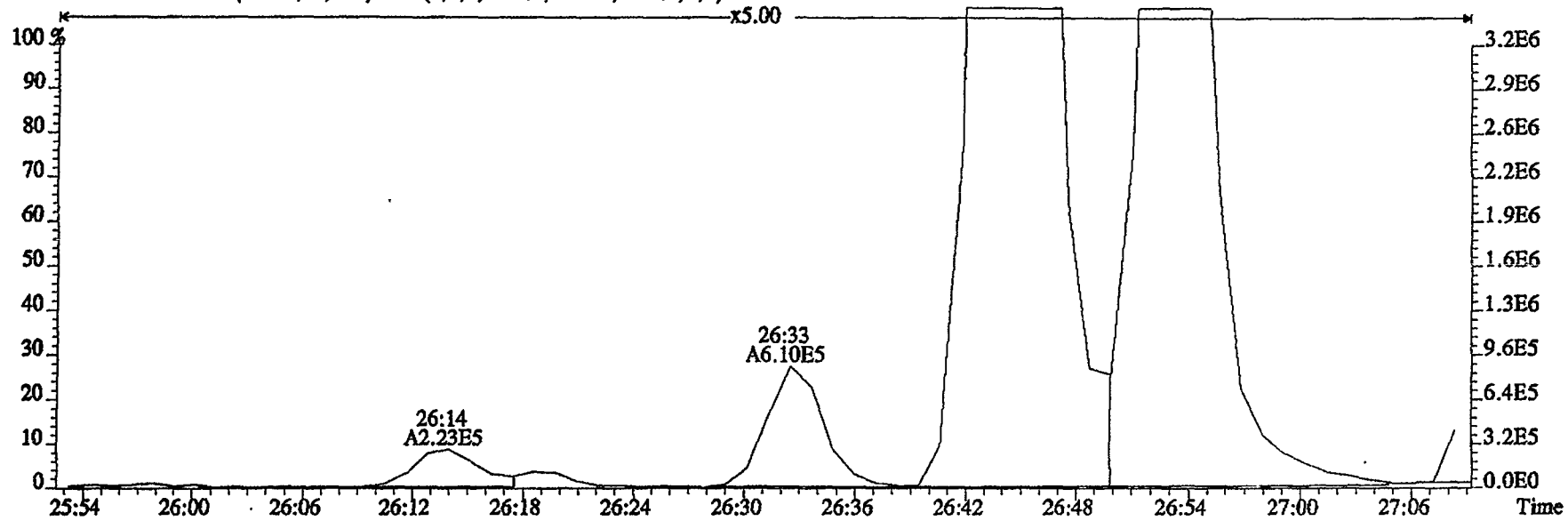
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



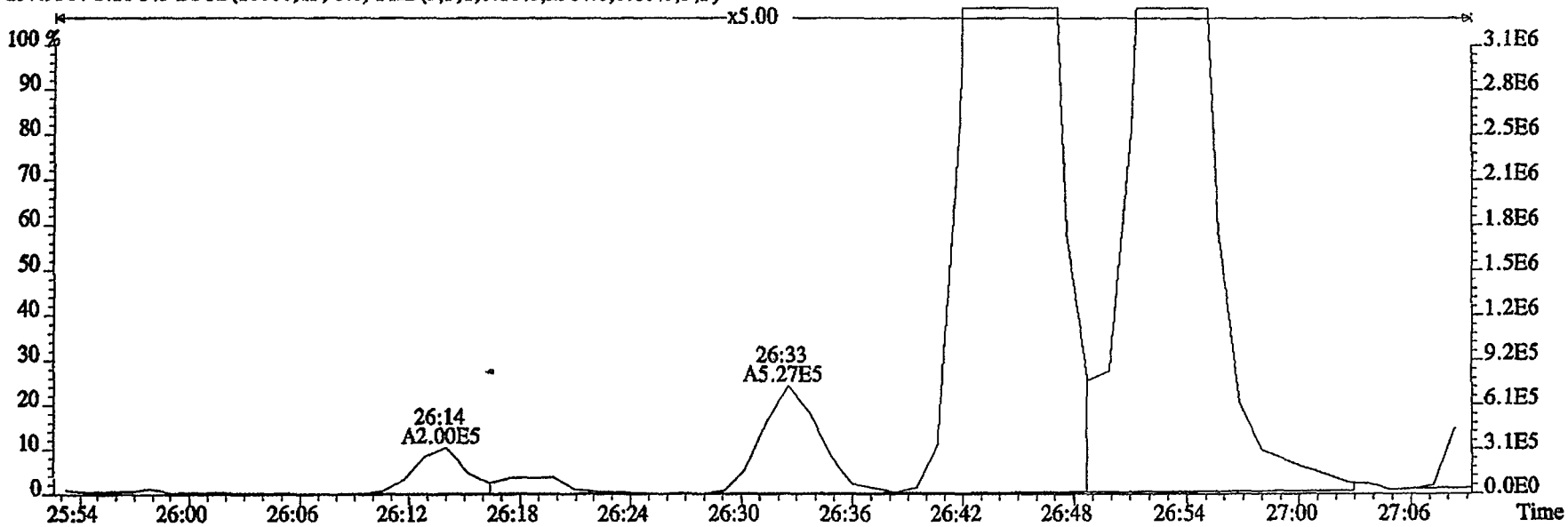
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



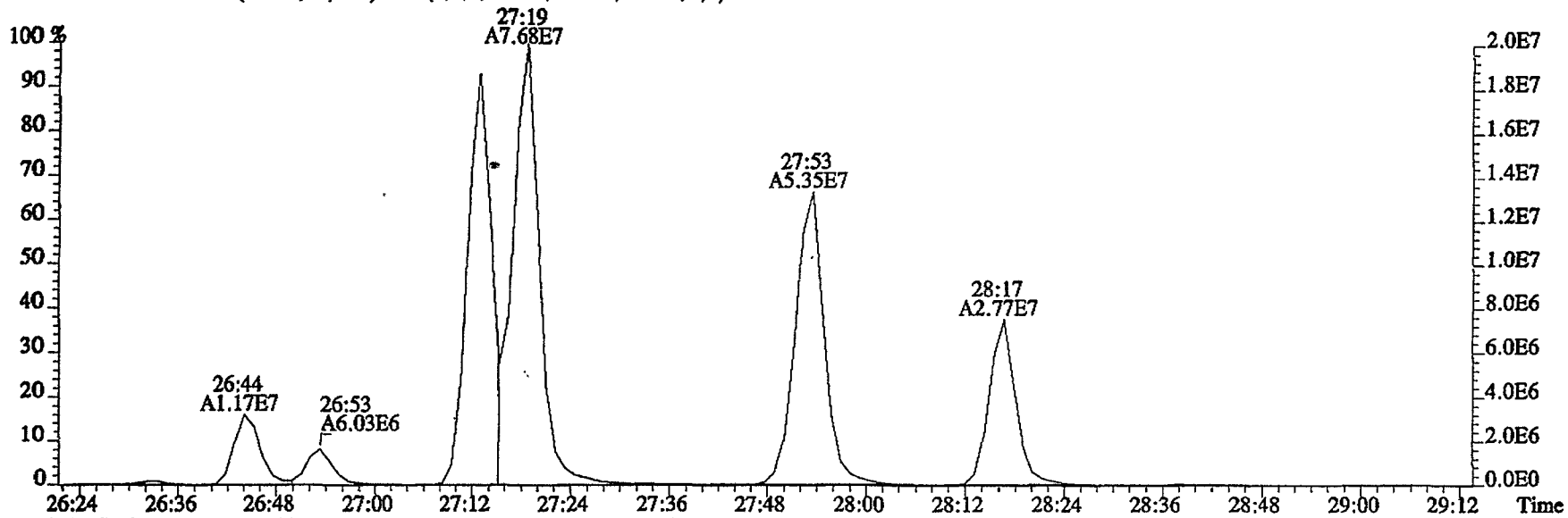
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



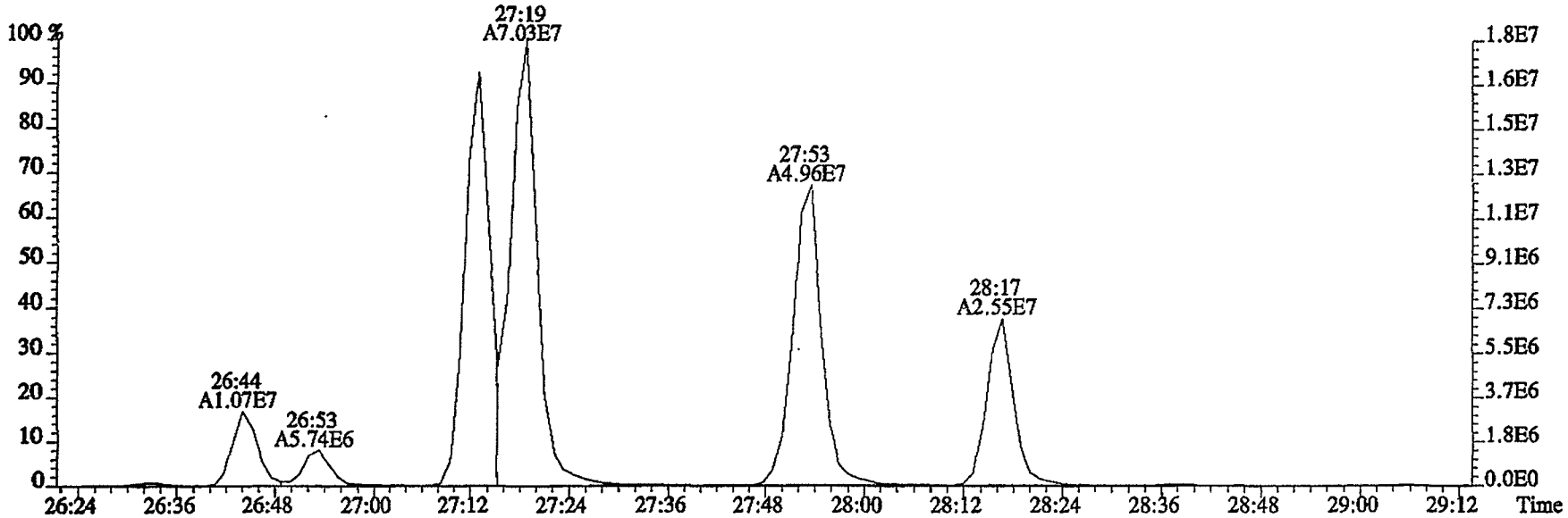
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



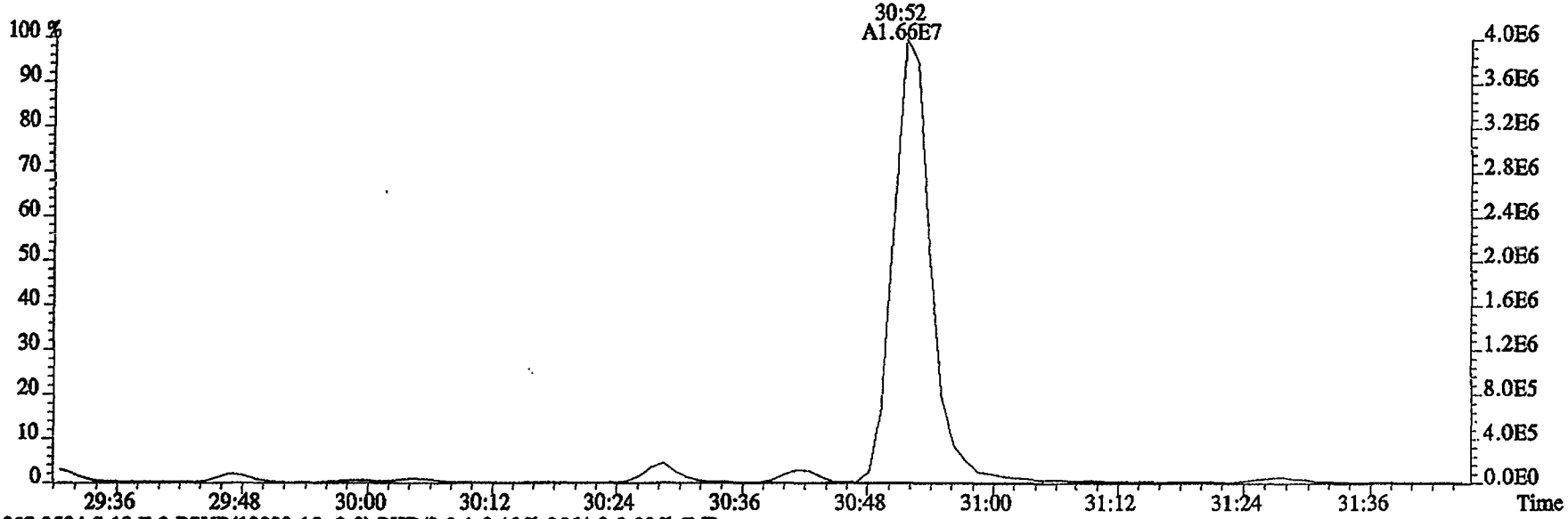
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



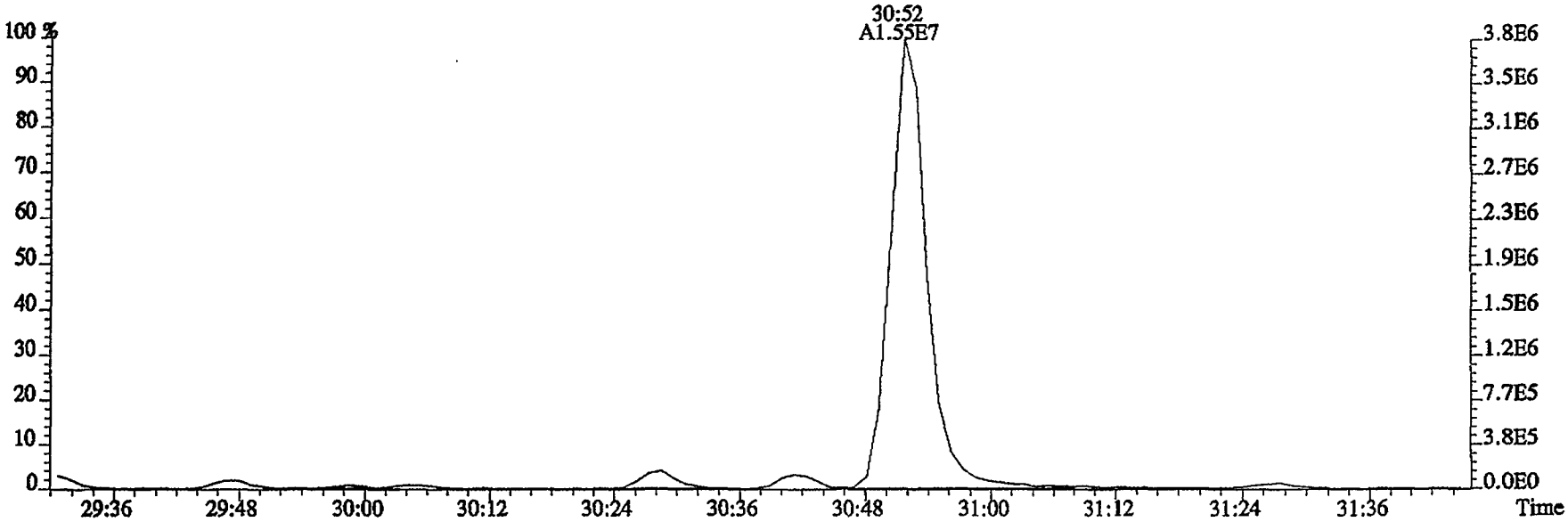
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



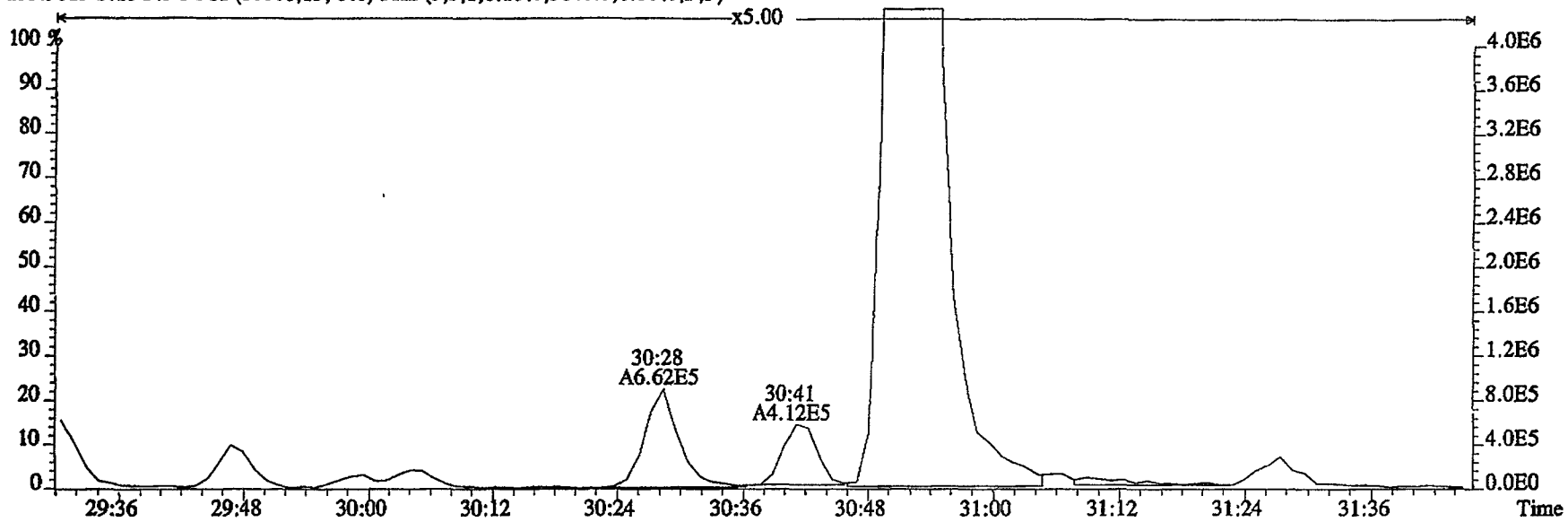
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



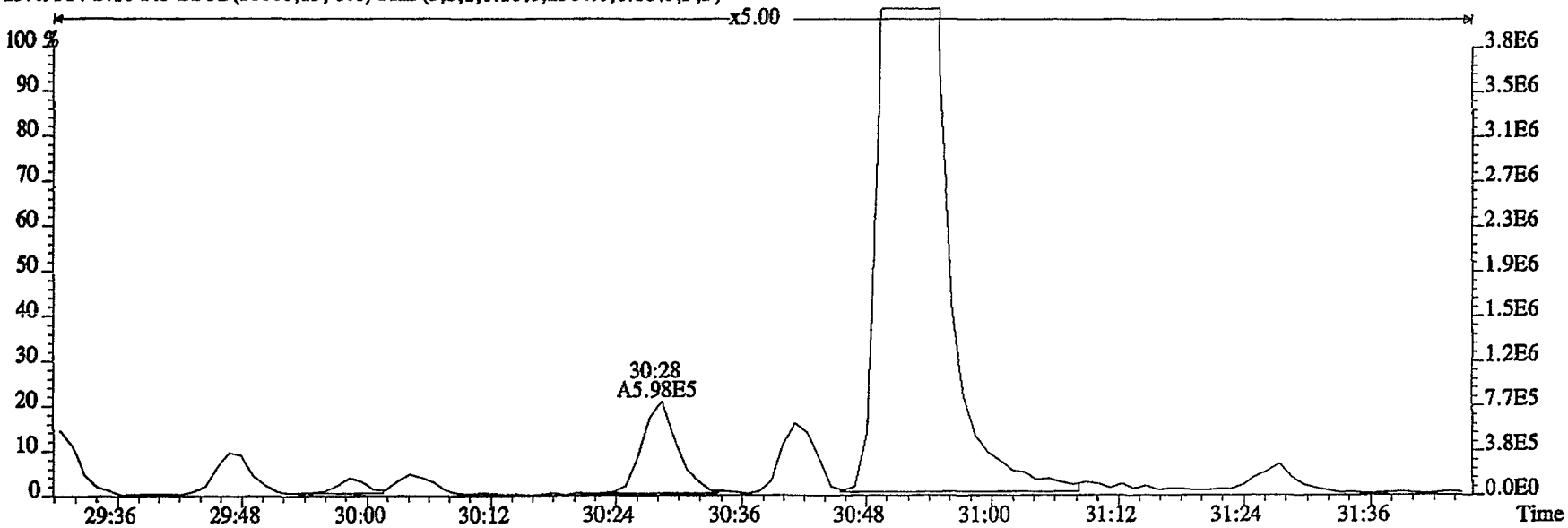
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



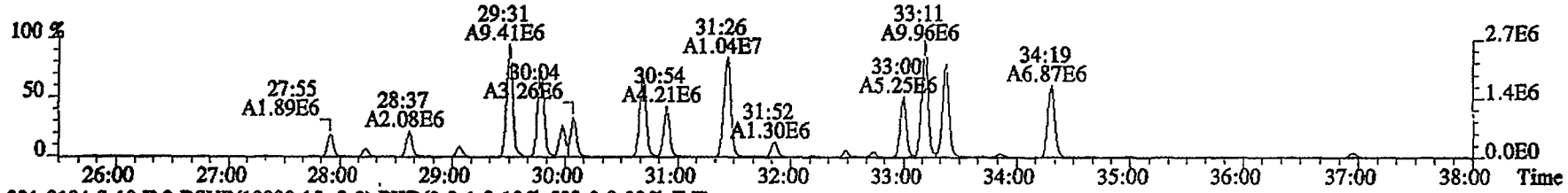
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
255.9613 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



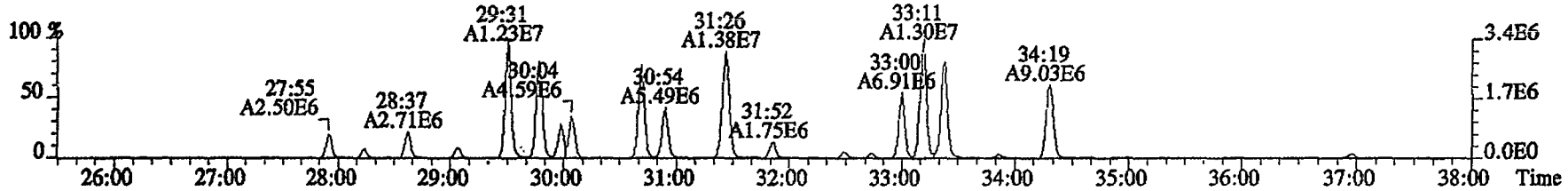
257.9584 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2564.0,0.00%,F,F)



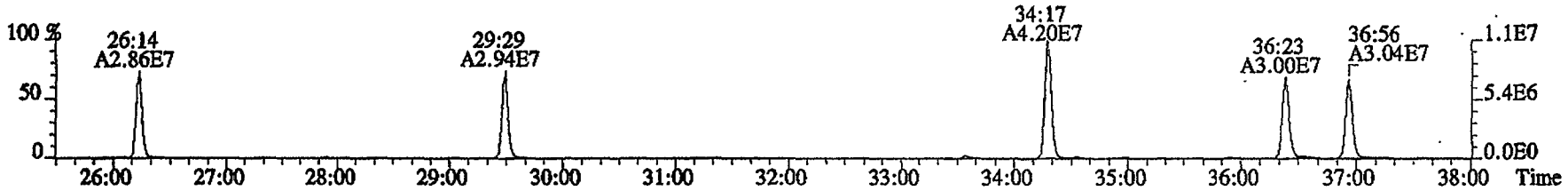
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



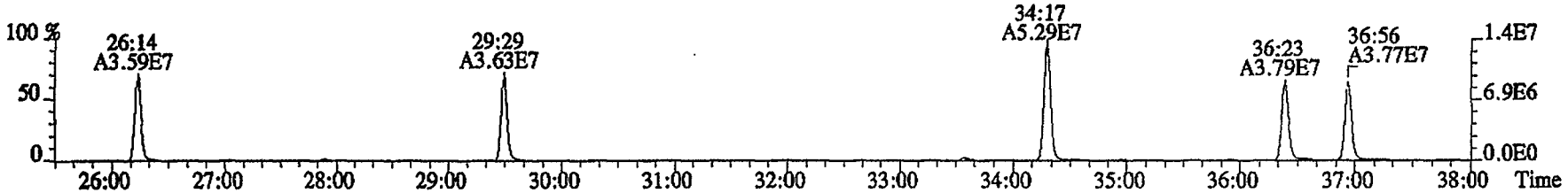
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



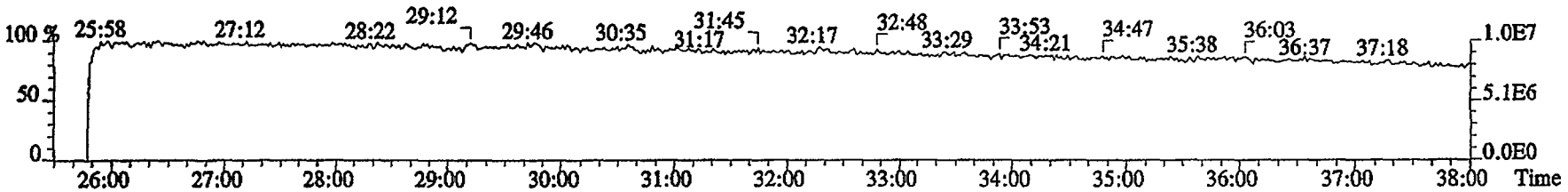
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1876.0,0.00%,F,F)



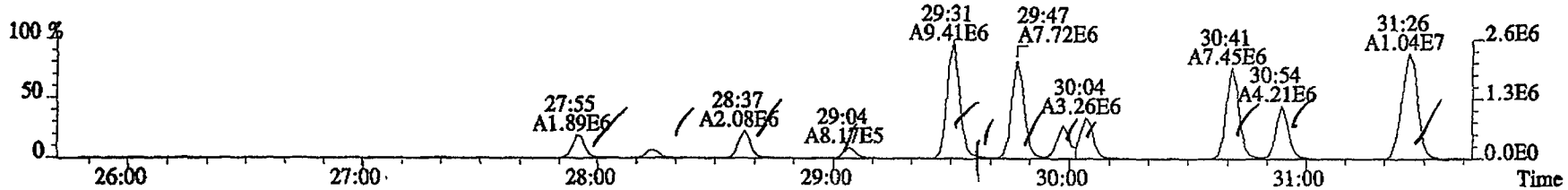
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2592.0,0.00%,F,F)



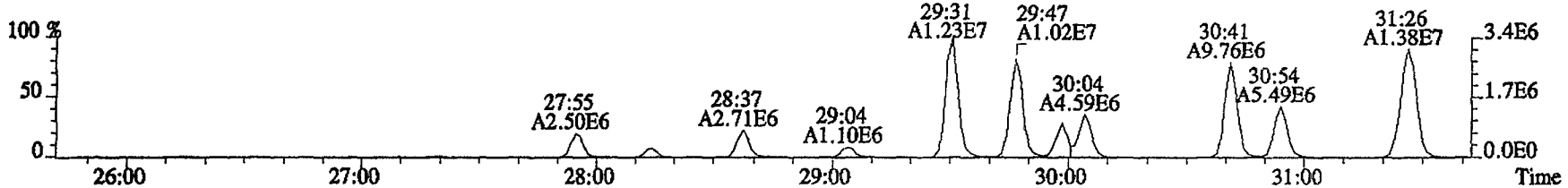
330.9792 S:10 F:3



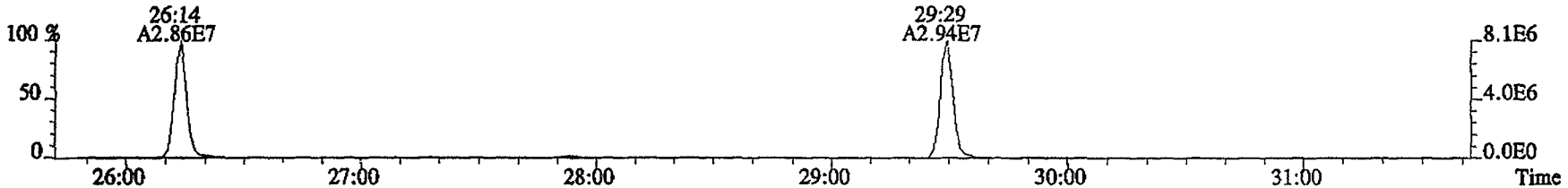
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



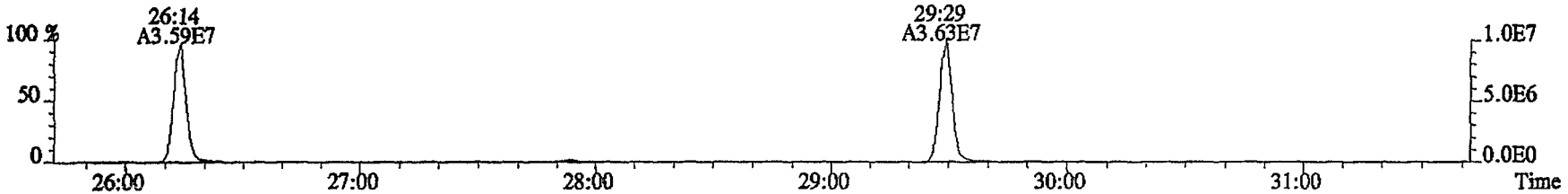
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



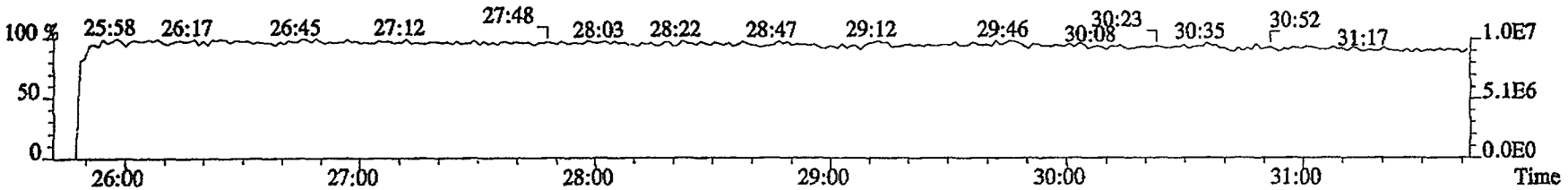
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1876.0,0.00%,F,F)



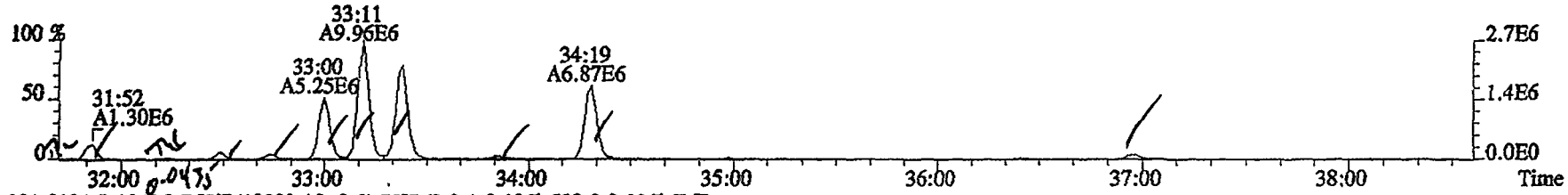
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2592.0,0.00%,F,F)



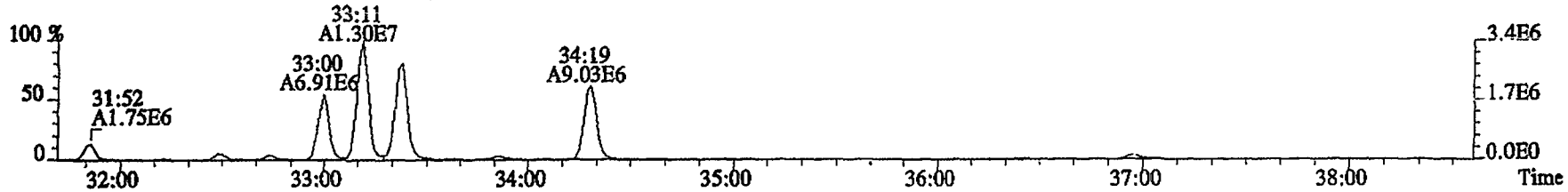
330.9792 S:10 F:3



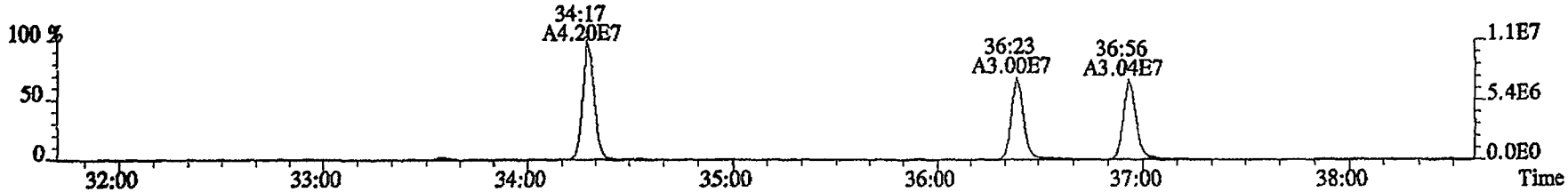
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



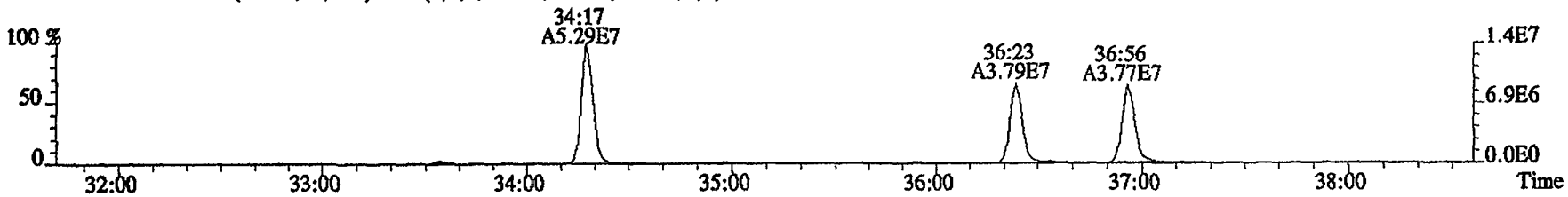
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



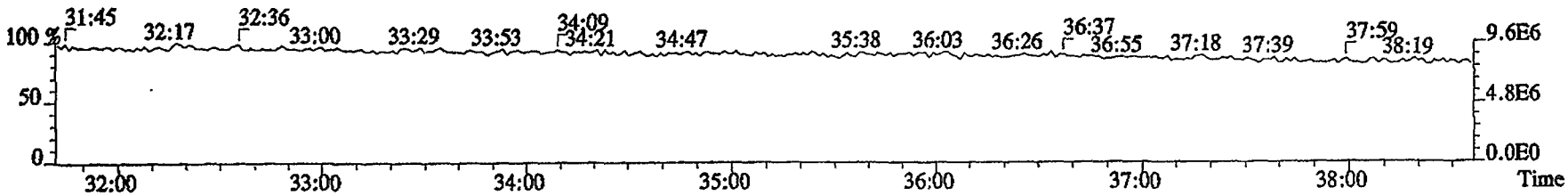
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1876.0,0.00%,F,F)



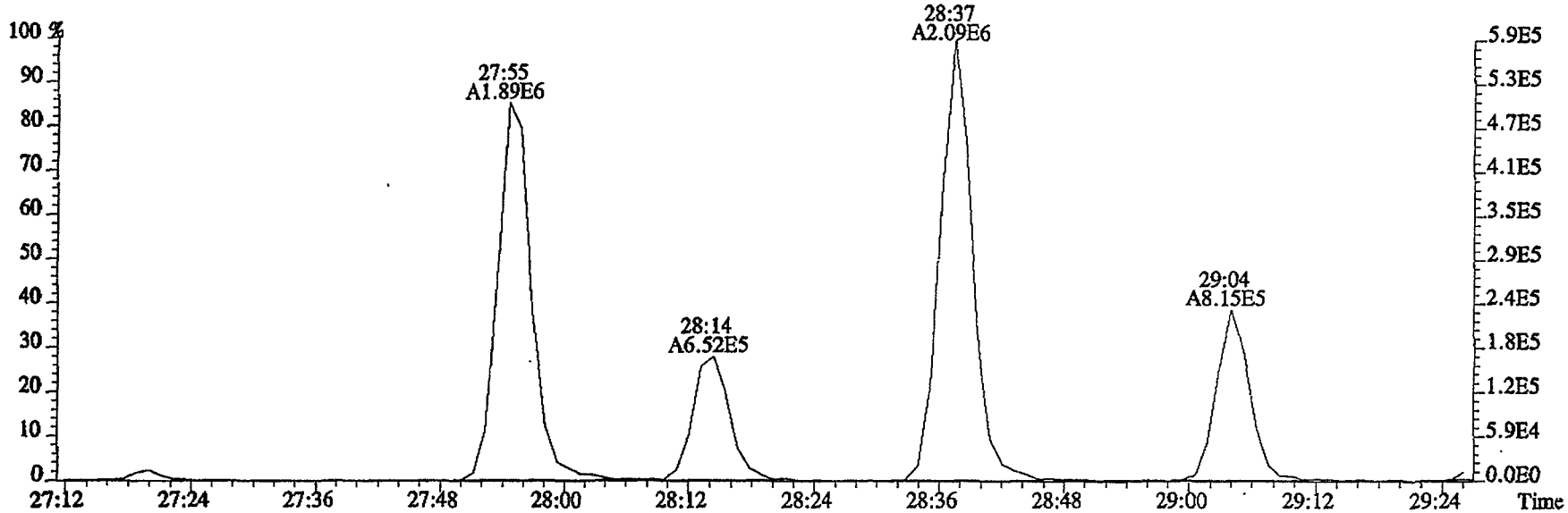
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2592.0,0.00%,F,F)



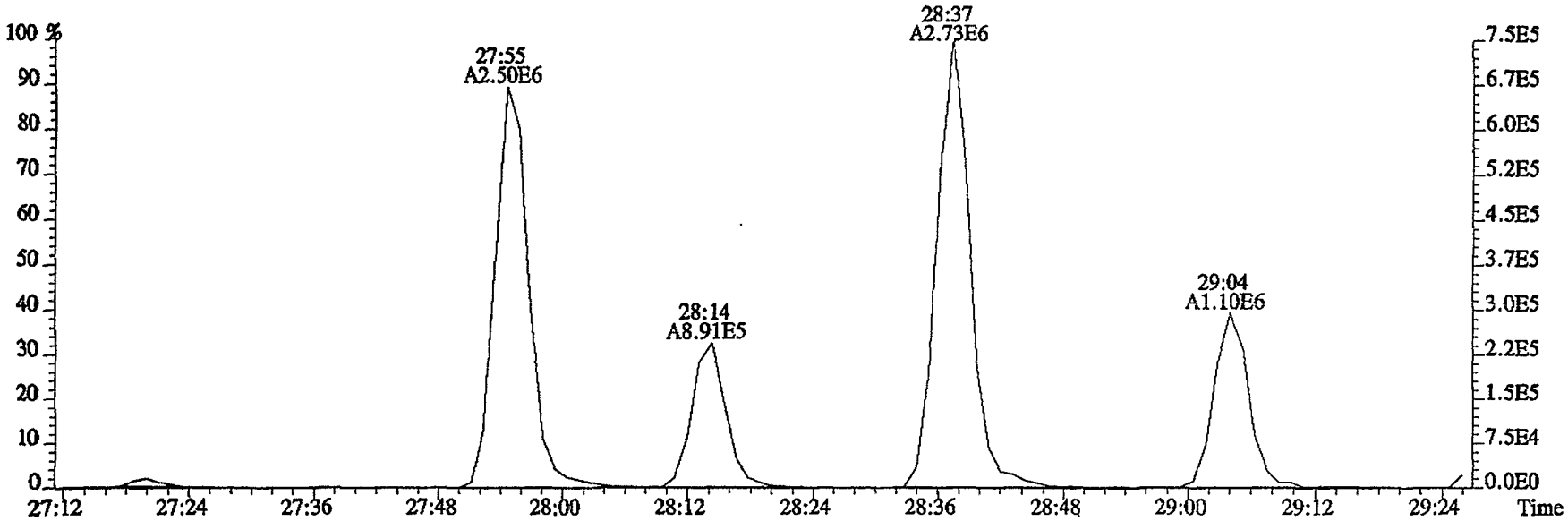
330.9792 S:10 F:3



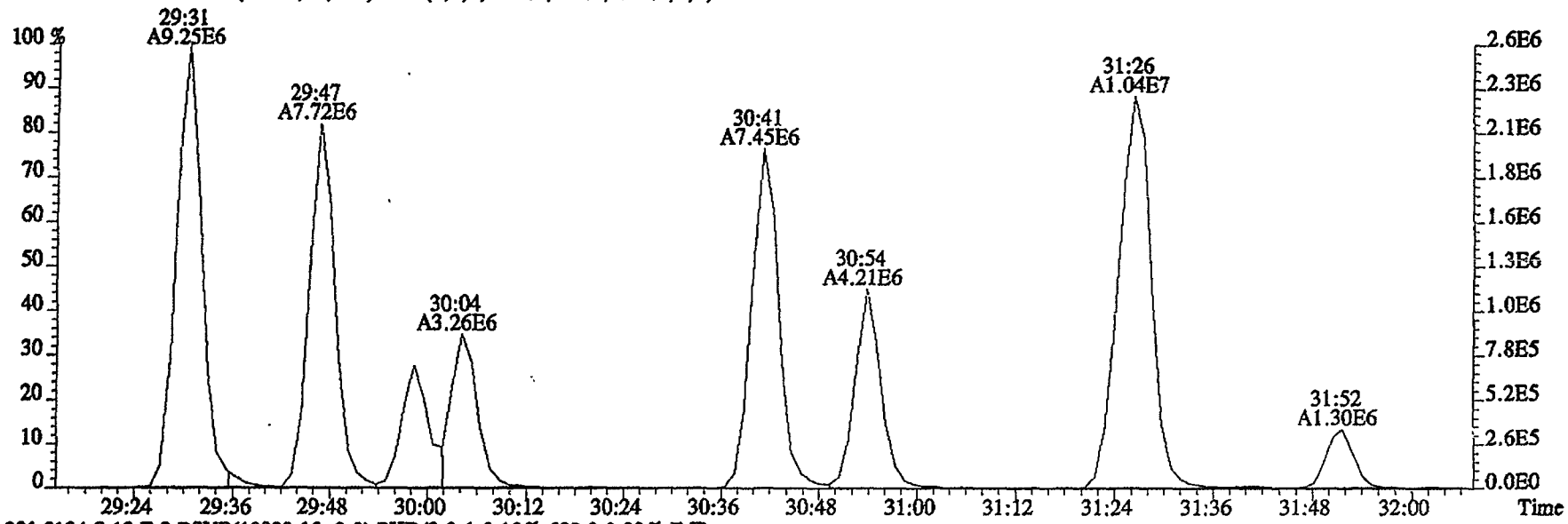
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



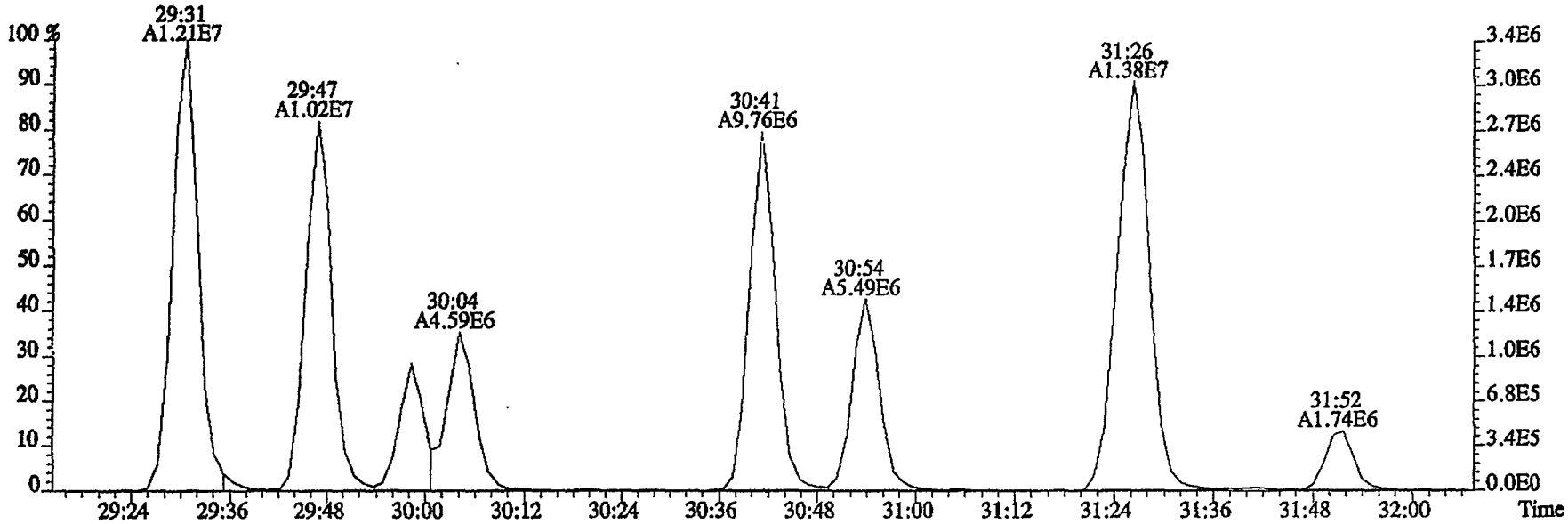
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



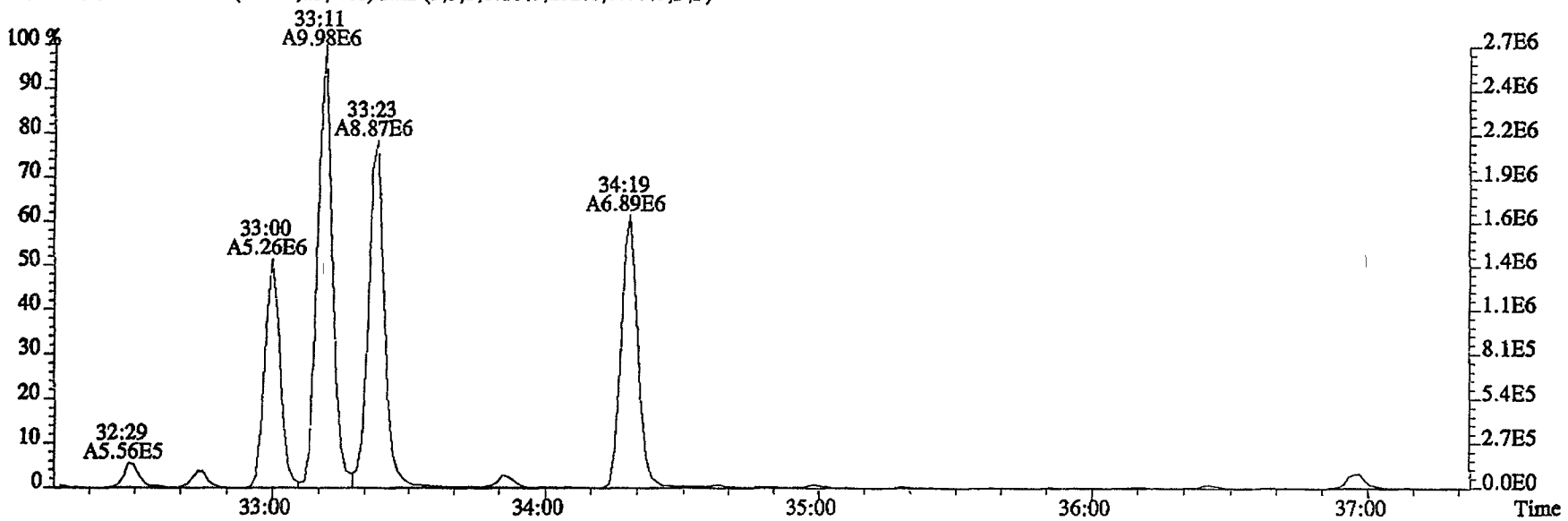
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



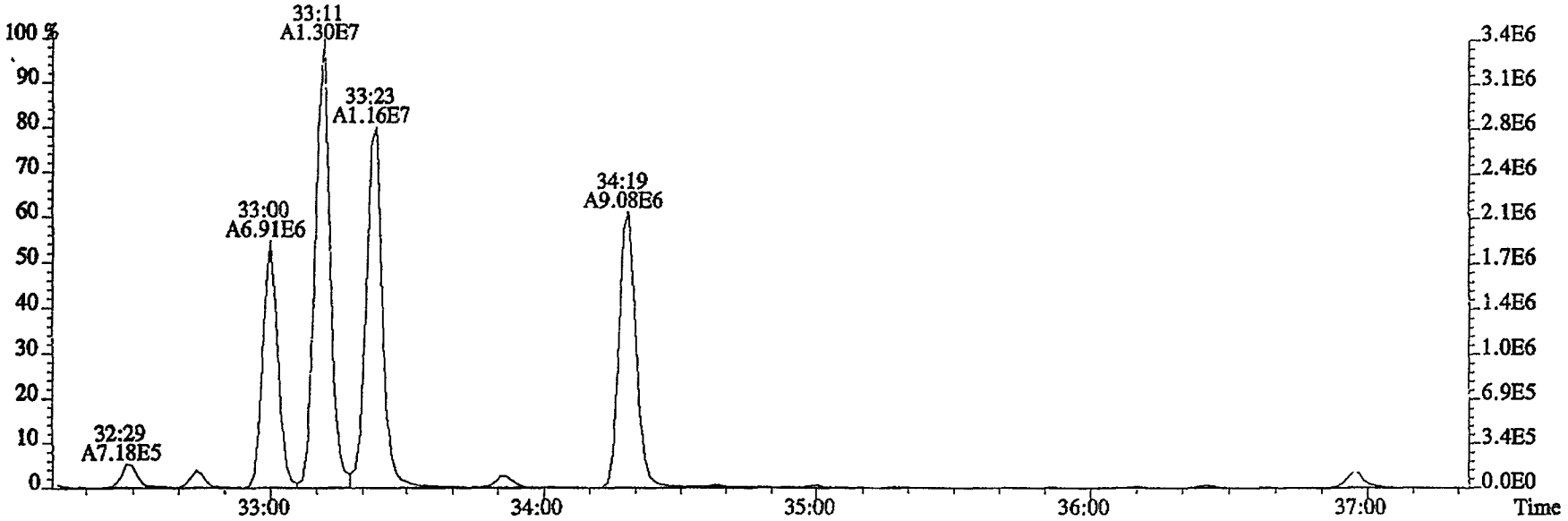
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



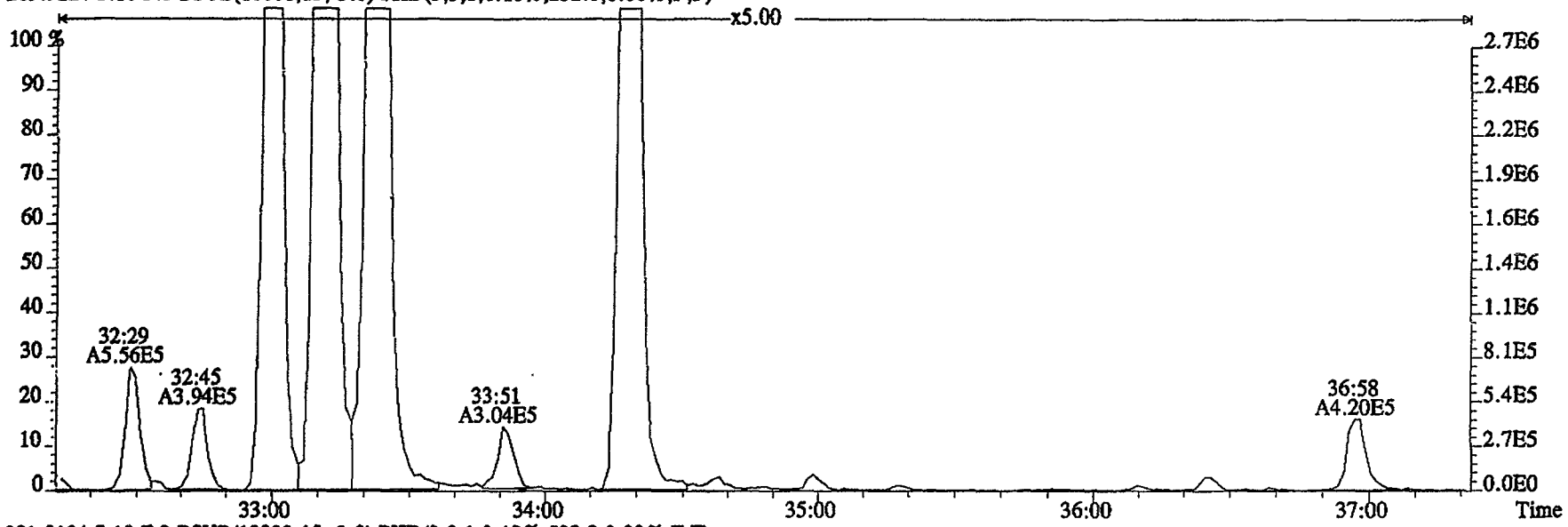
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



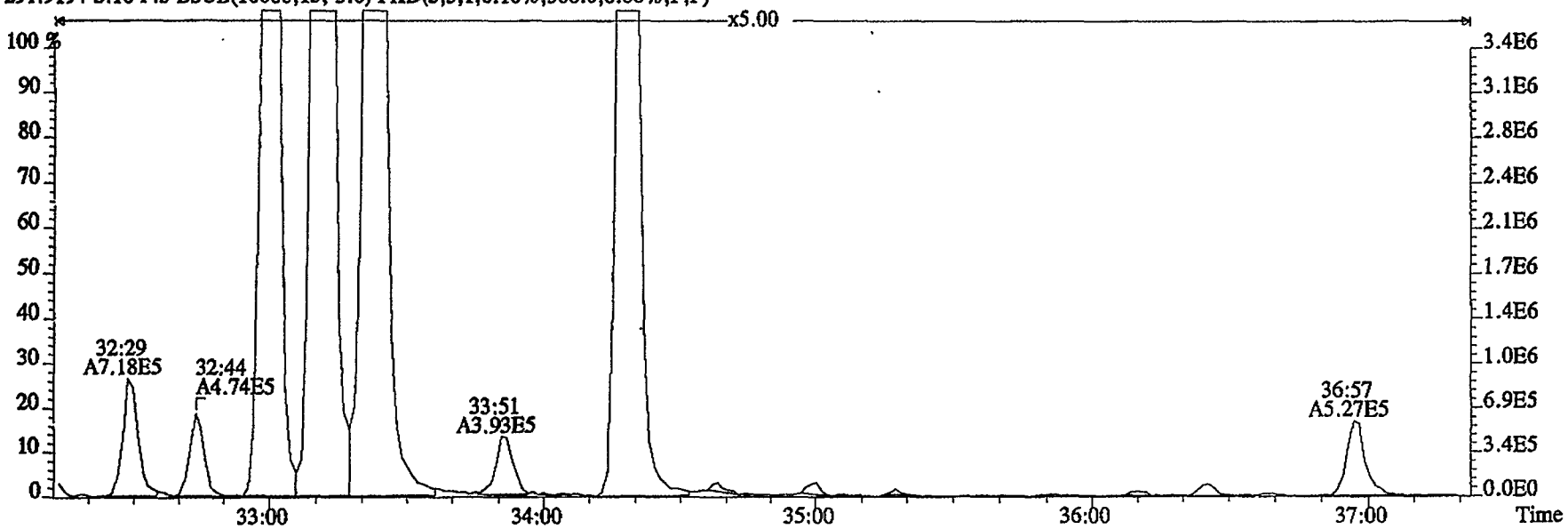
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



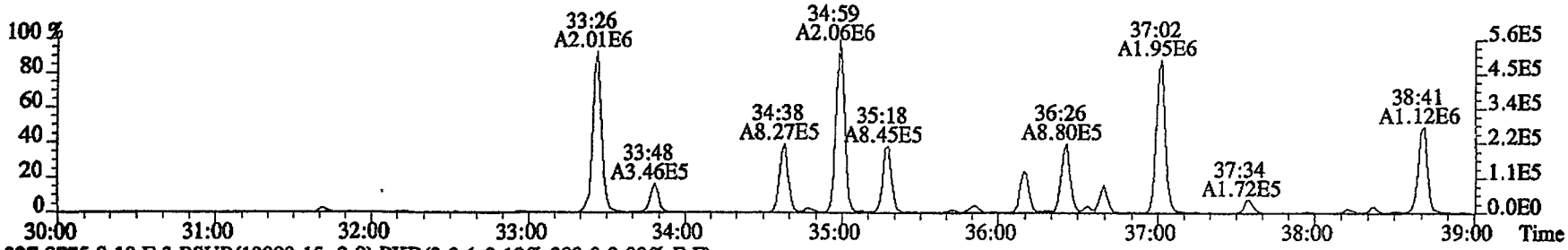
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



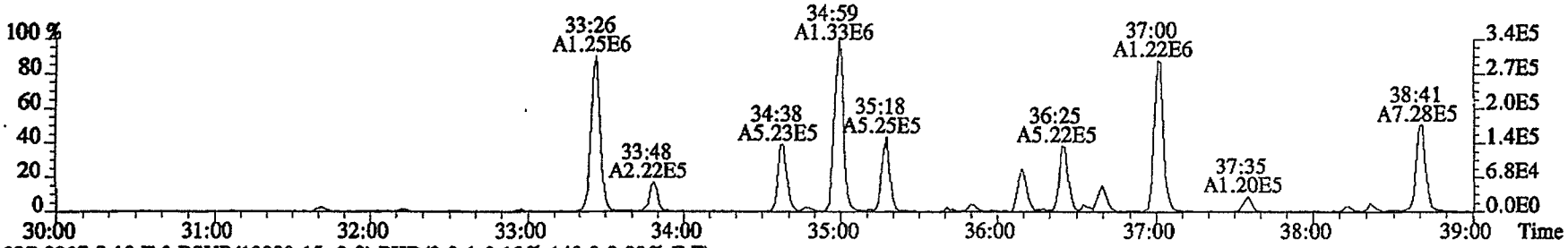
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,508.0,0.00%,F,F)



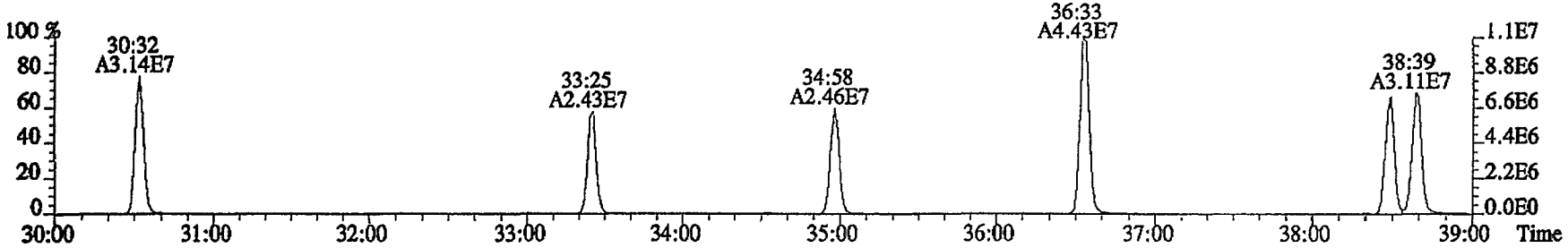
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



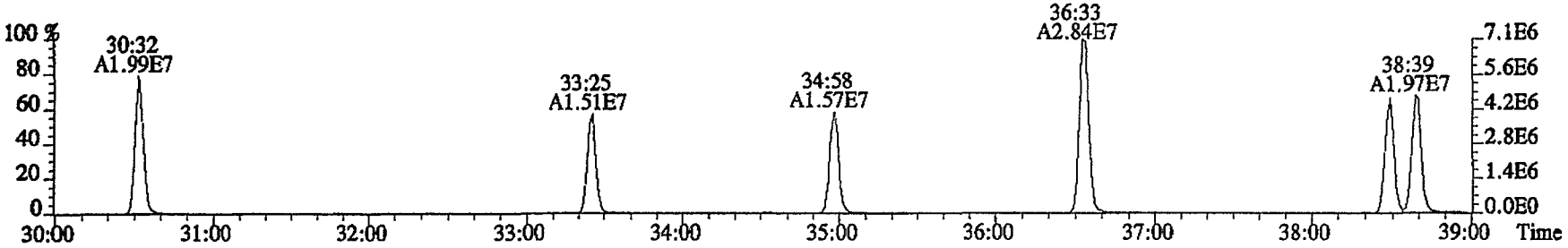
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



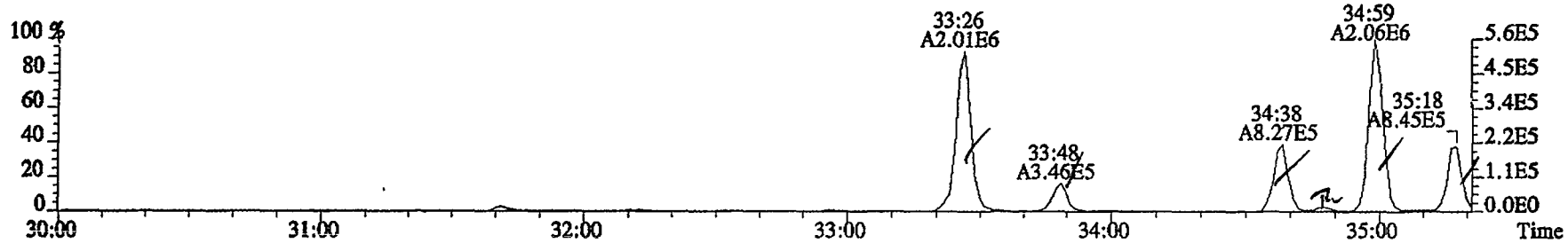
337.9207 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)



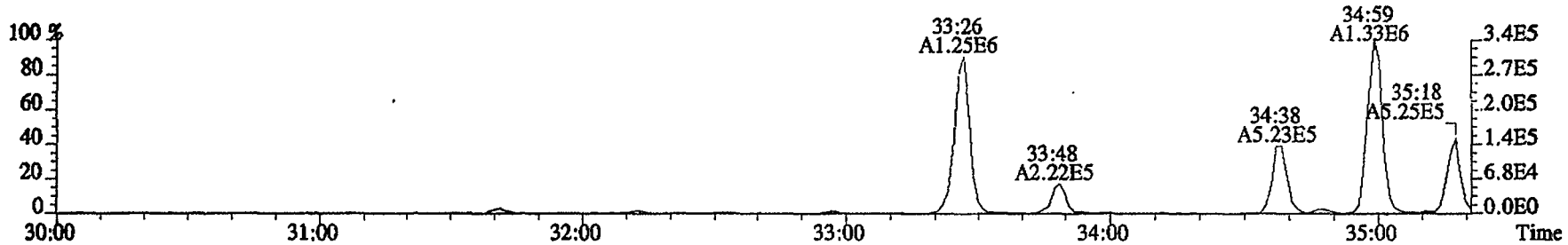
339.9177 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



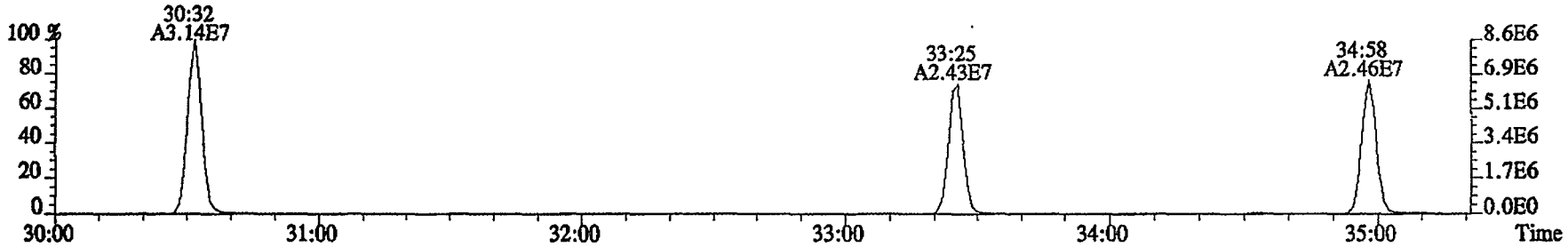
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



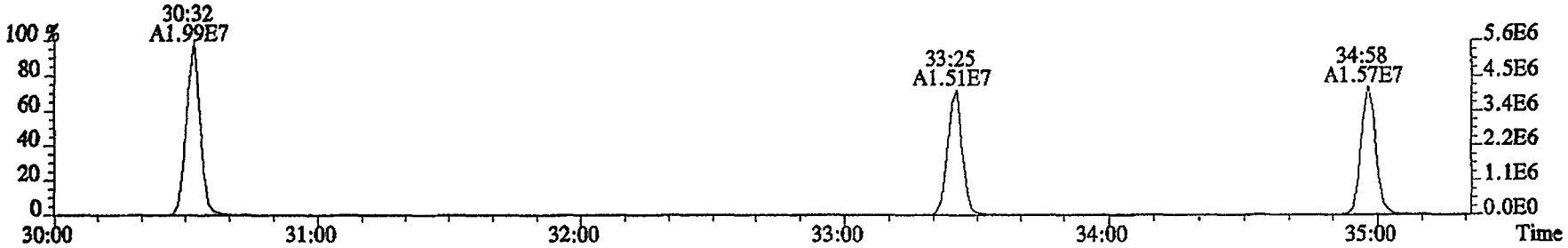
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



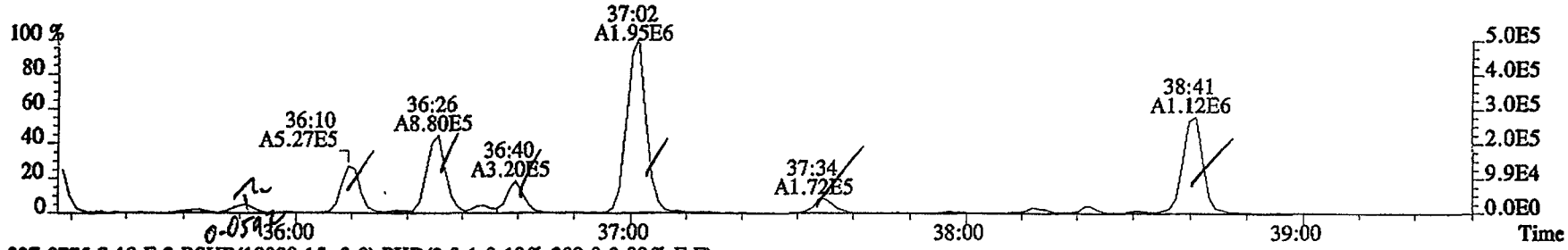
337.9207 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)



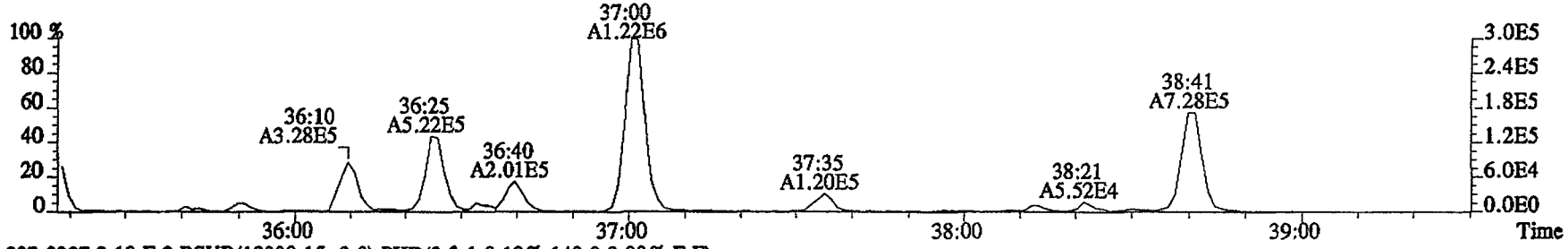
339.9177 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



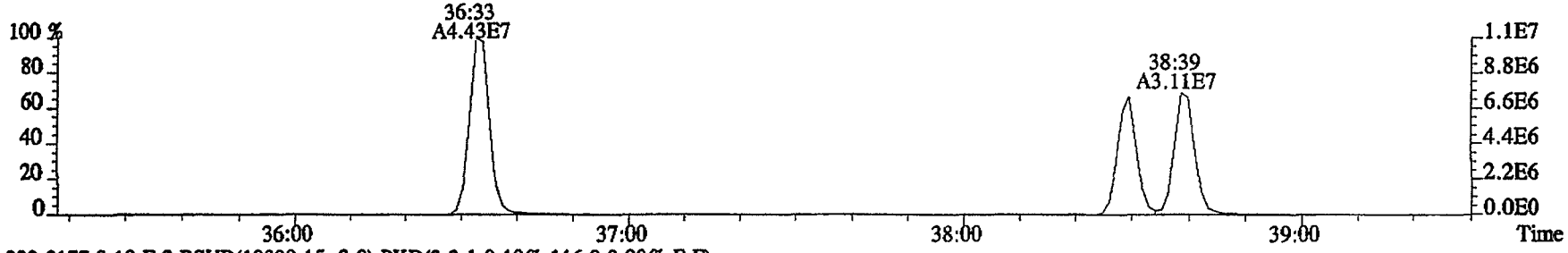
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



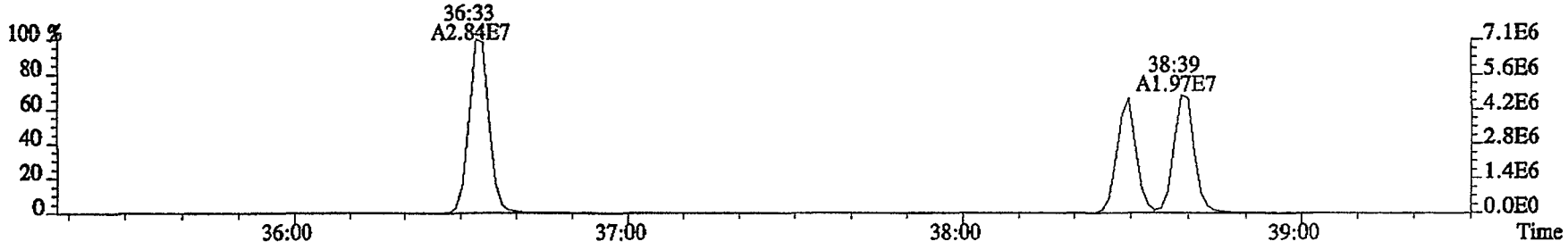
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



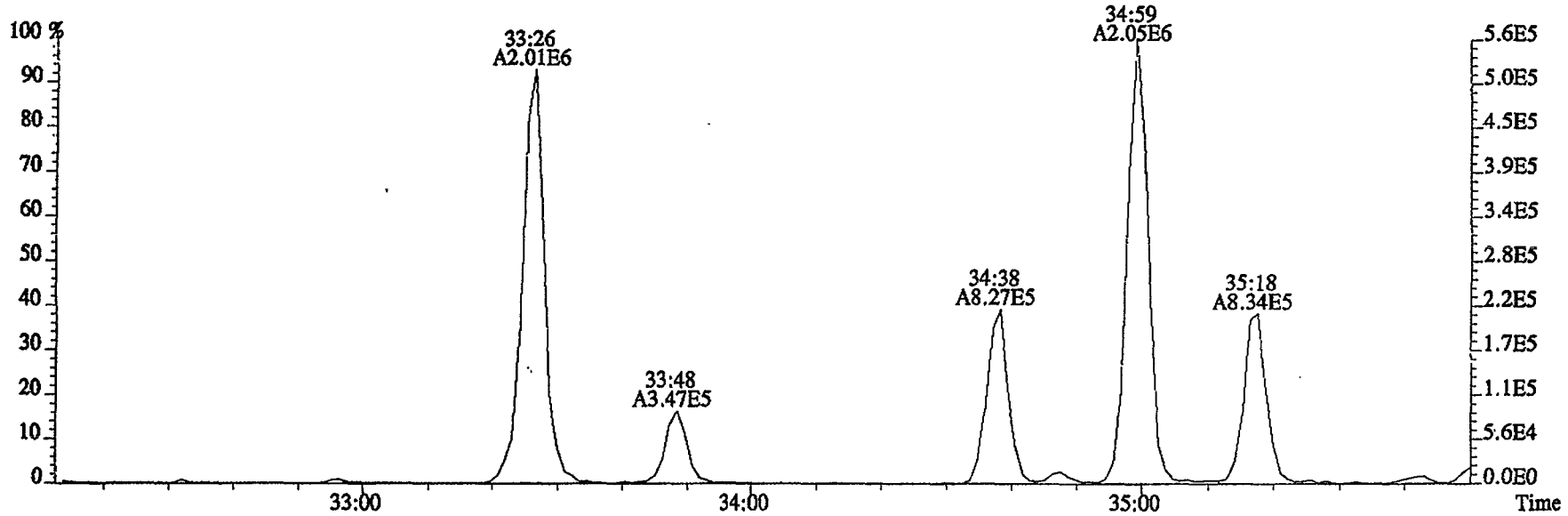
337.9207 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)



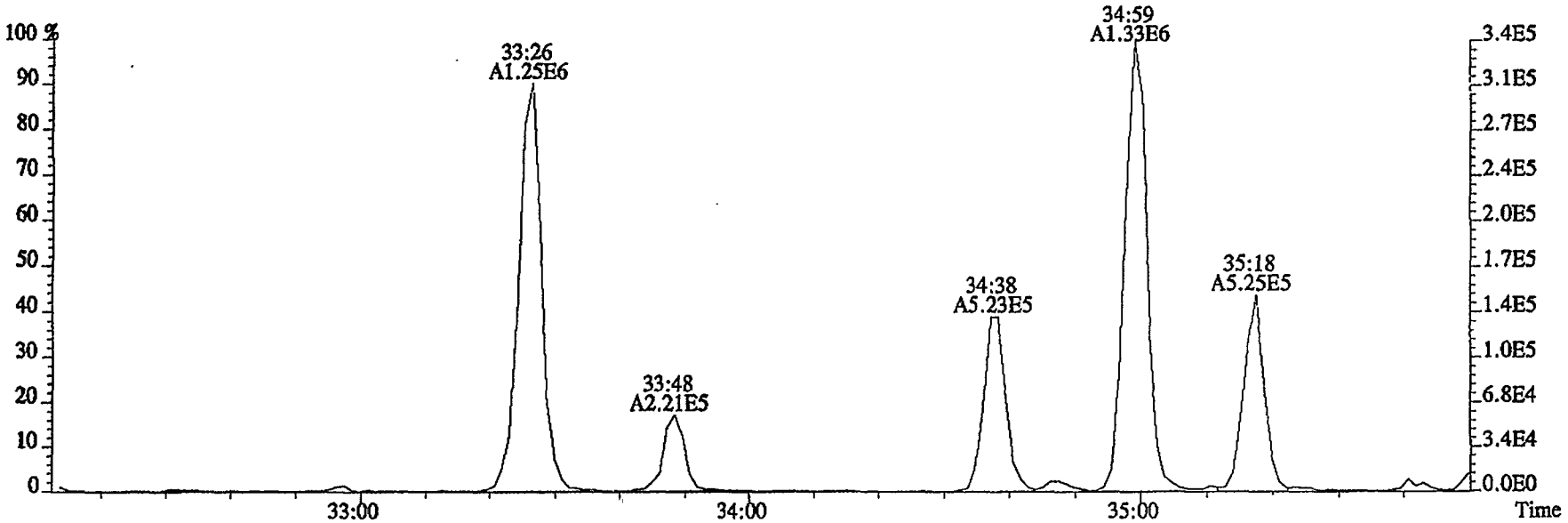
339.9177 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



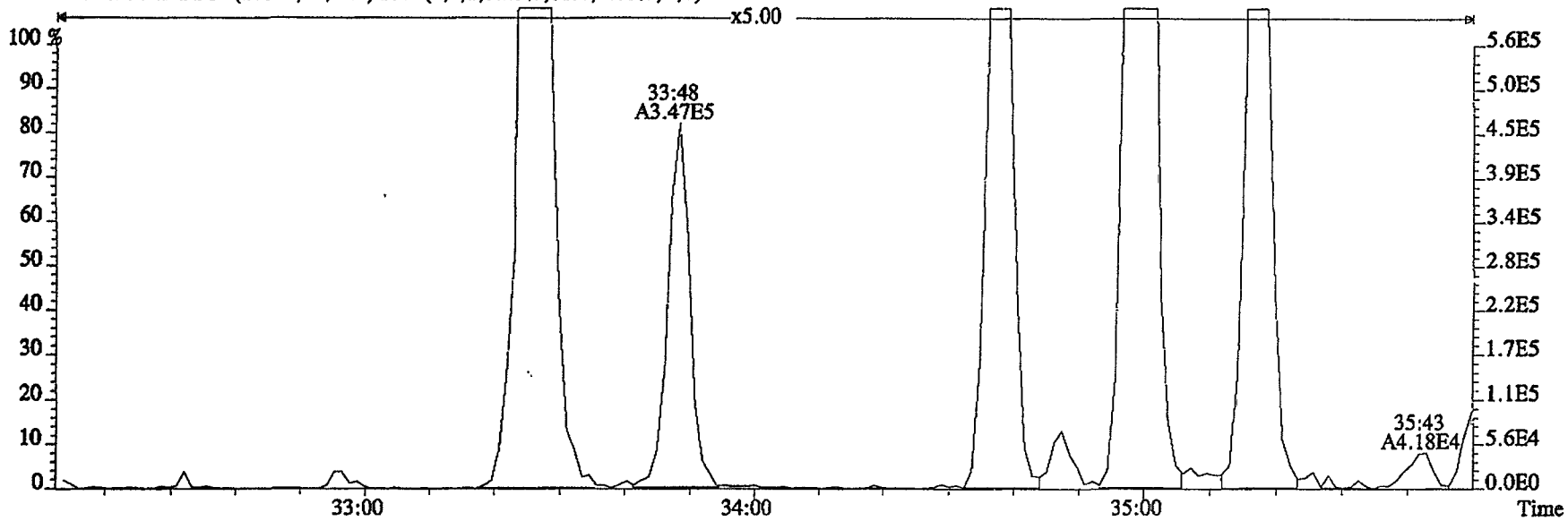
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



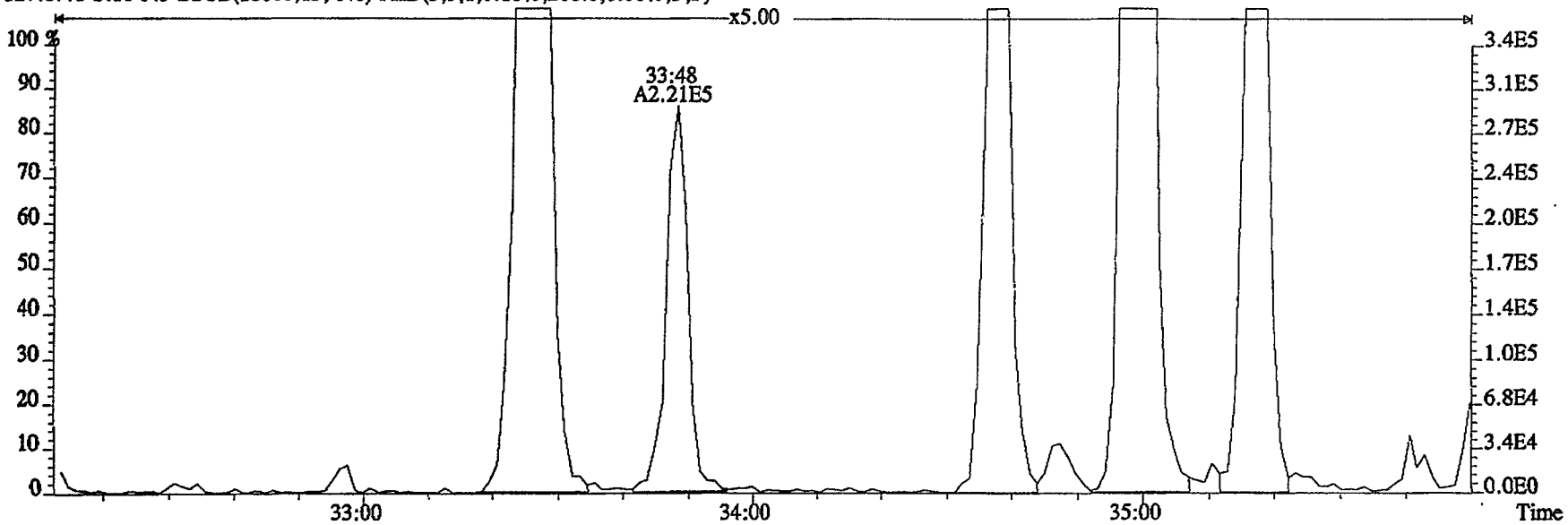
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



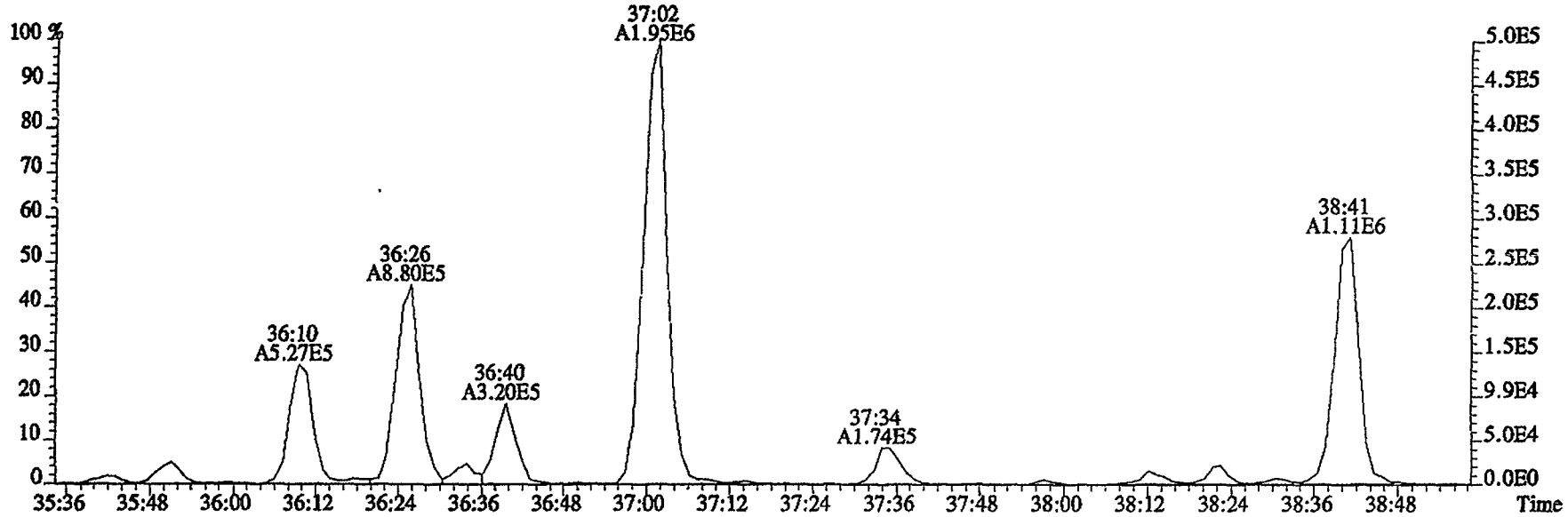
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



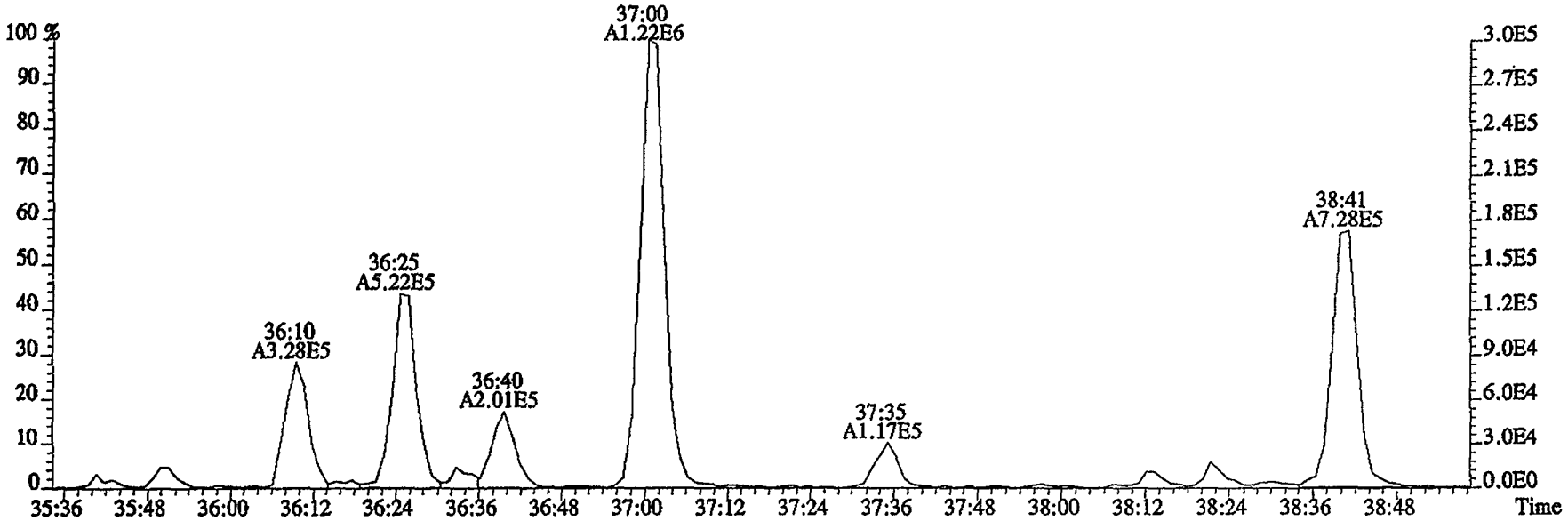
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



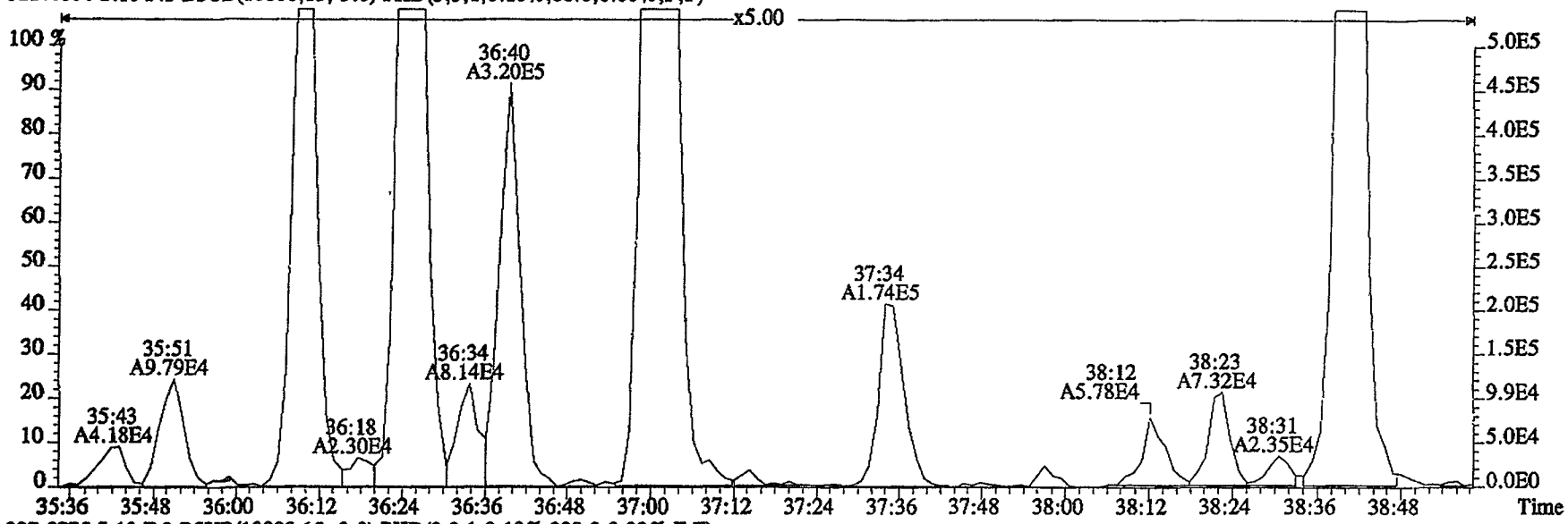
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



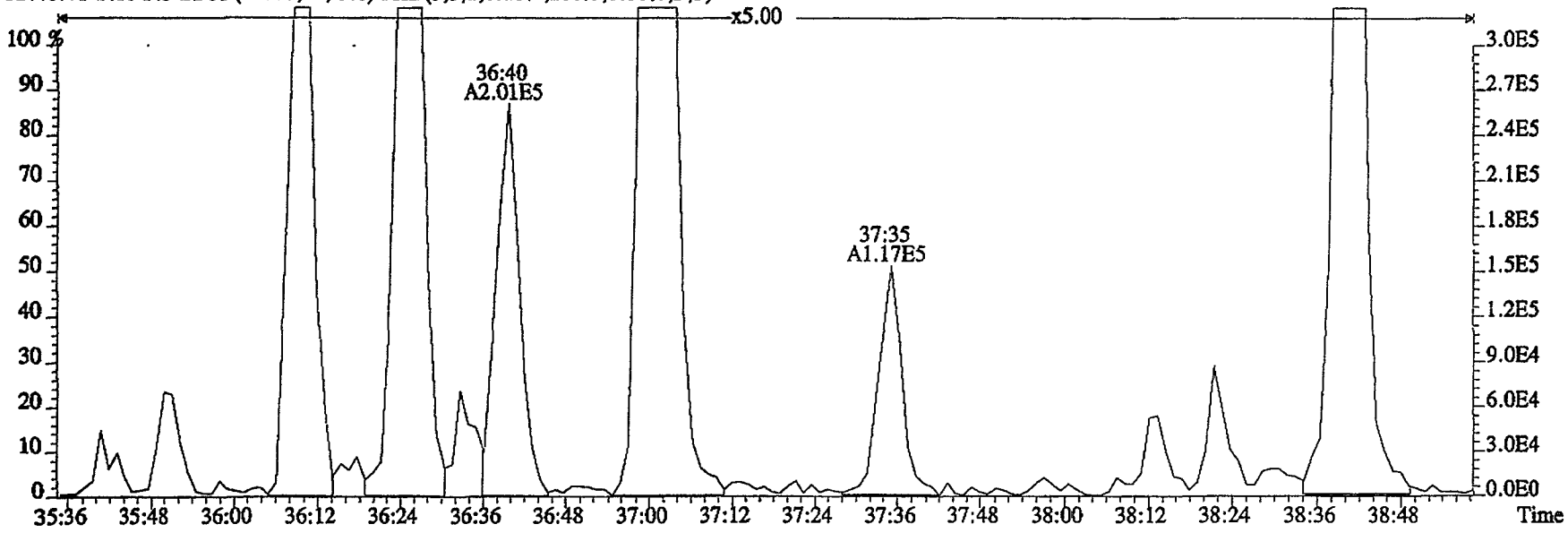
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



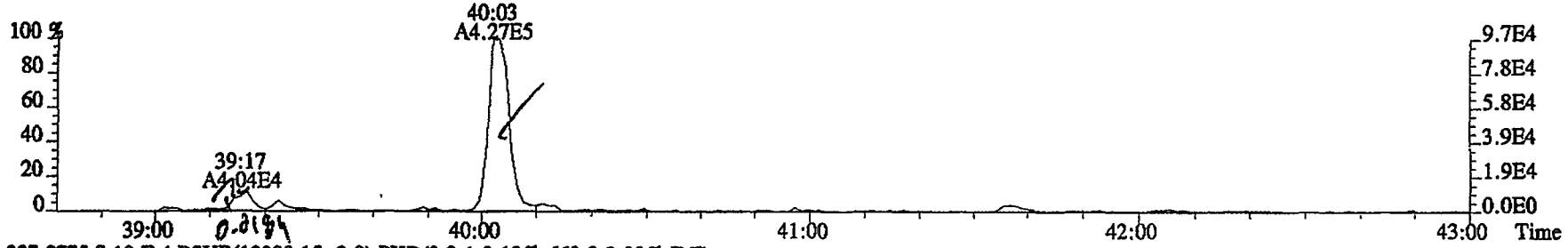
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



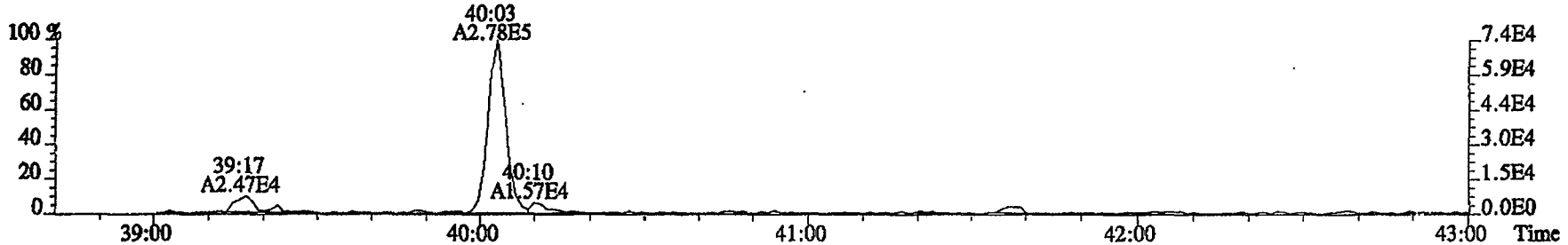
327.8775 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



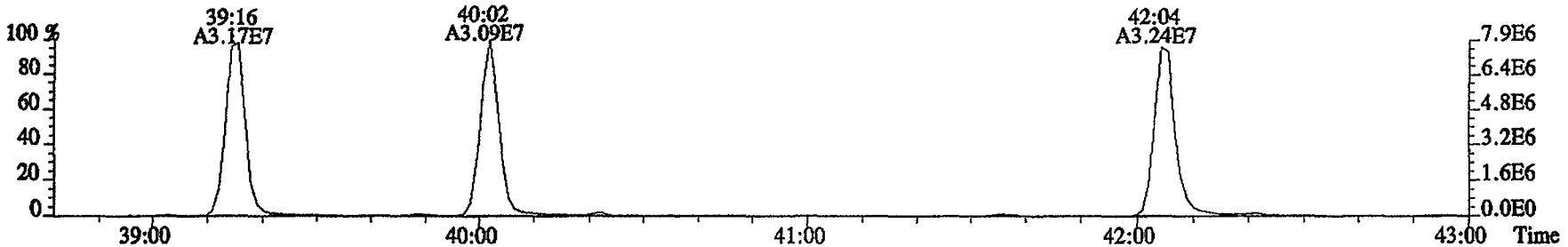
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



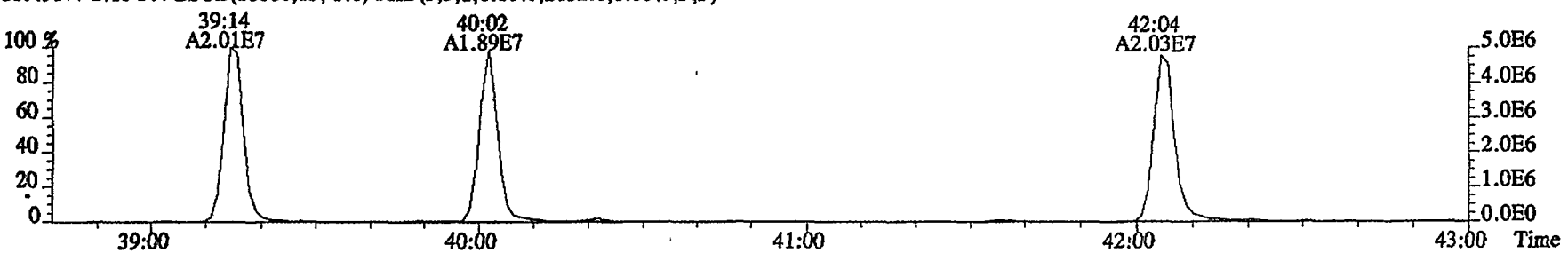
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,660.0,0.00%,F,F)



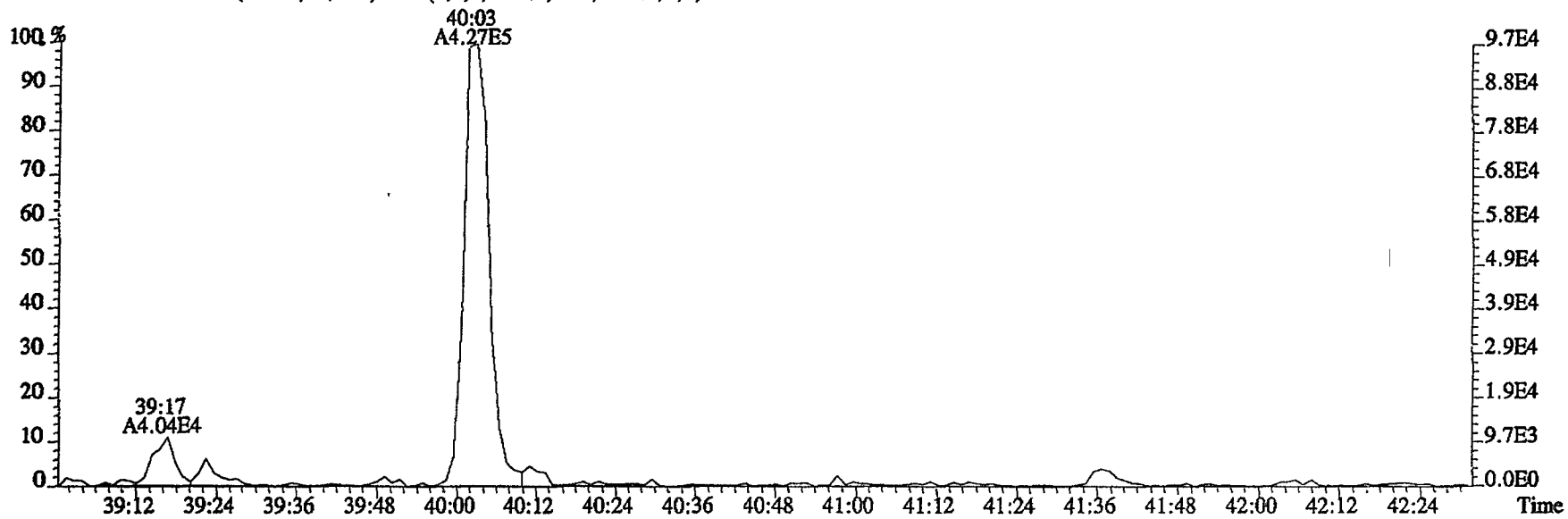
337.9207 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3688.0,0.00%,F,F)



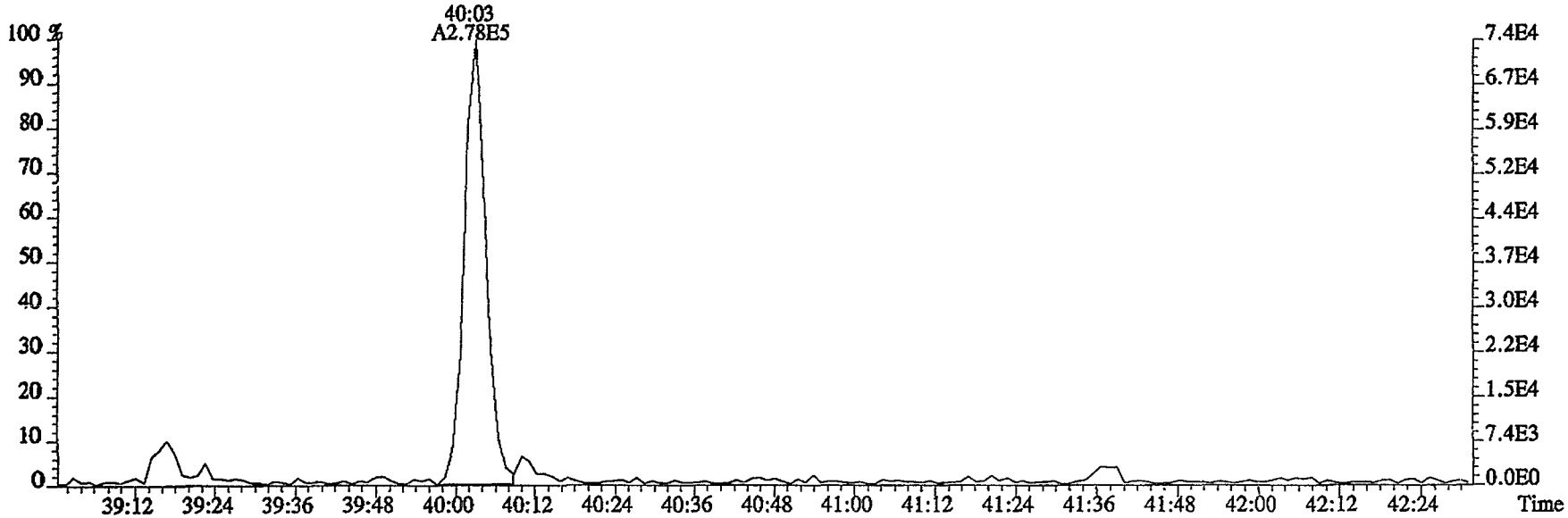
339.9177 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2152.0,0.00%,F,F)



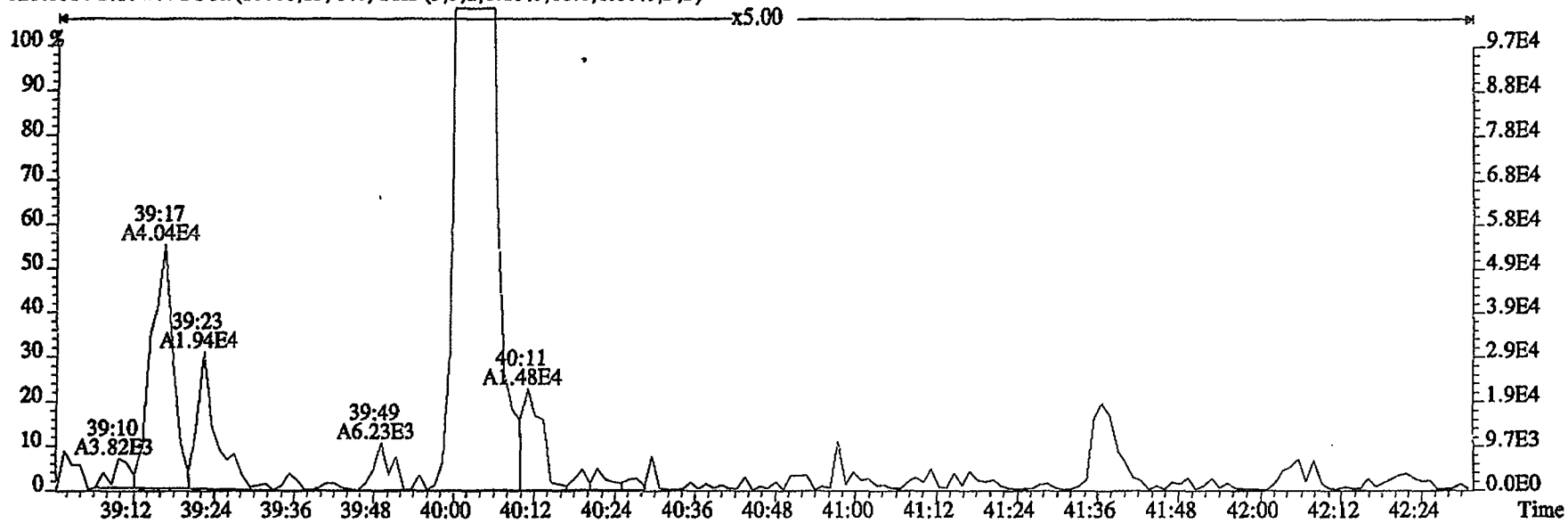
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



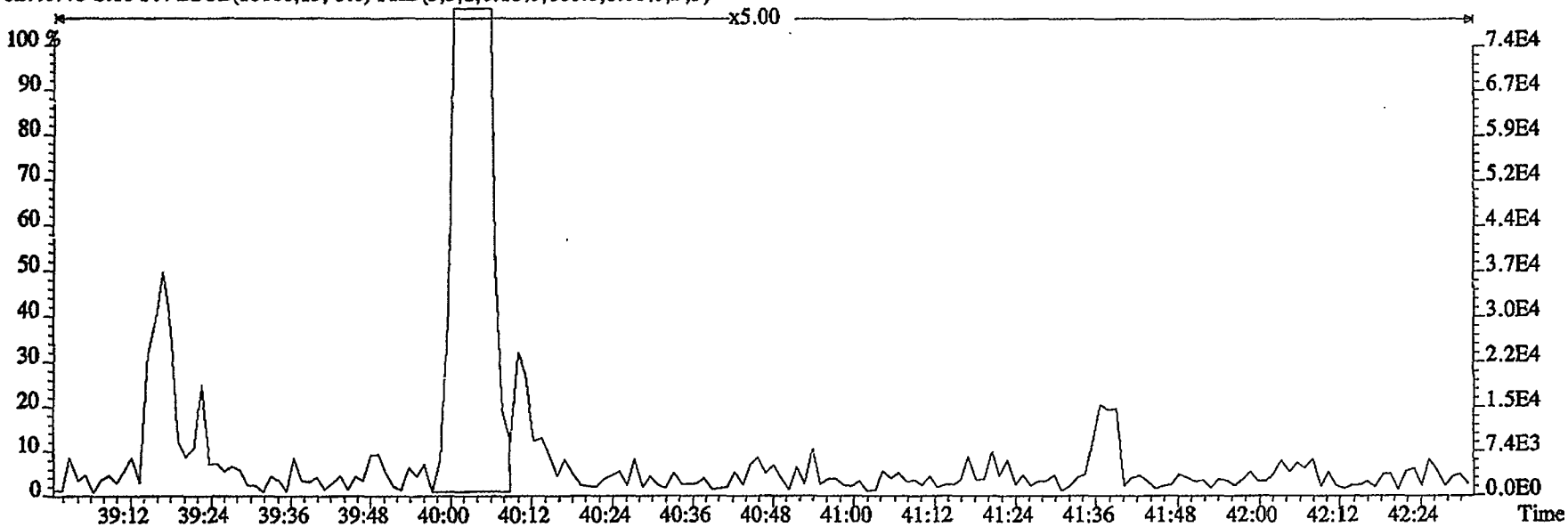
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,660.0,0.00%,F,F)



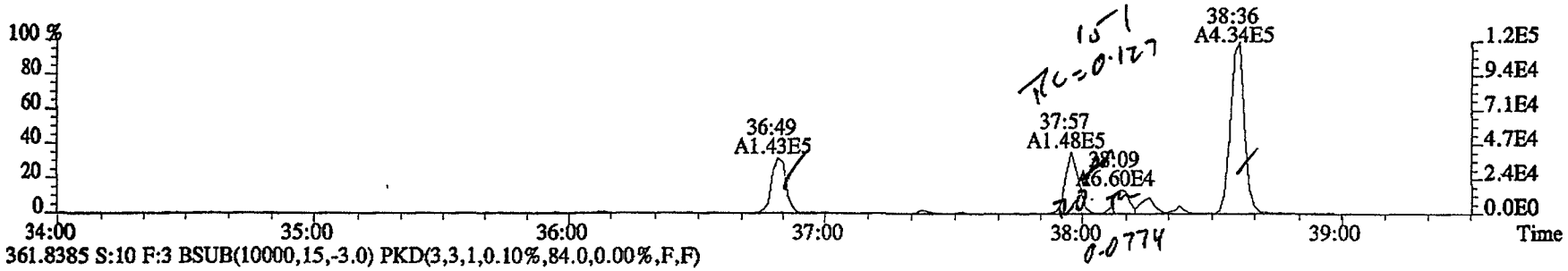
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



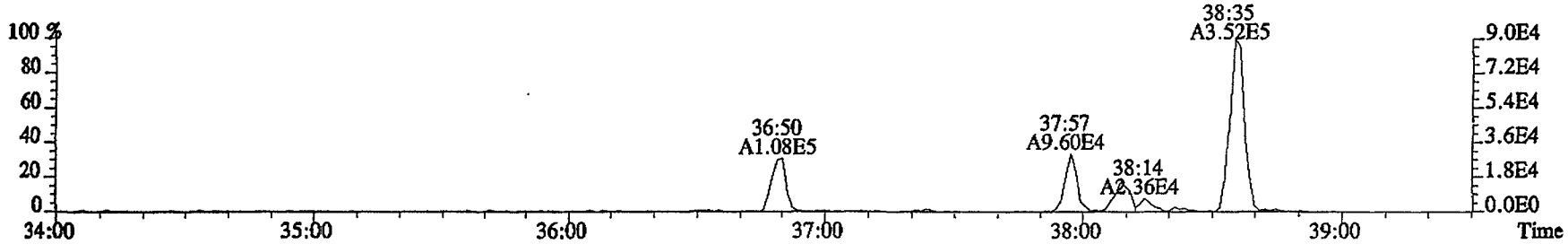
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,660.0,0.00%,F,F)



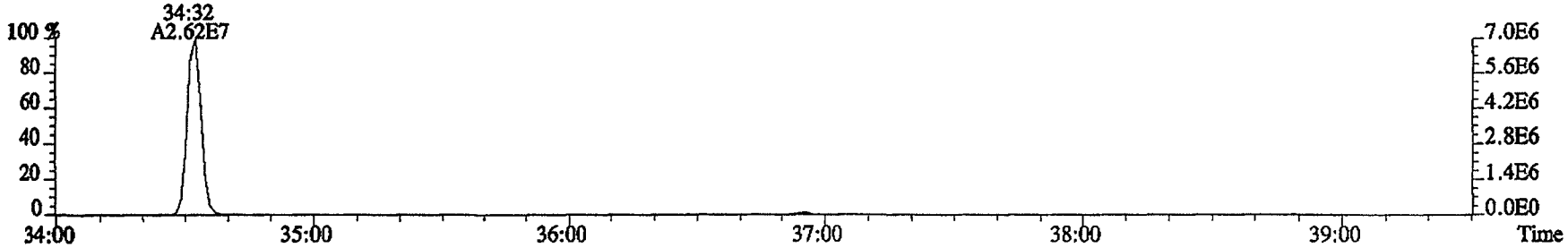
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990 5892 006 84D-AIR-102 1Train Exp:PCB_DB1
359.8415 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



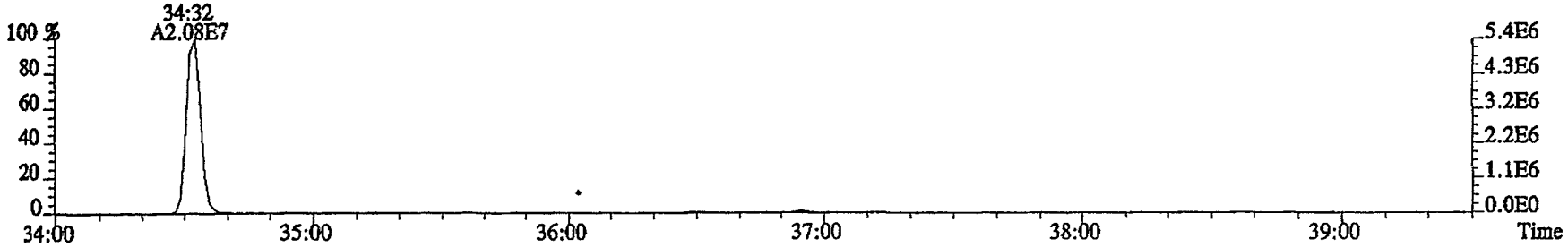
361.8385 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



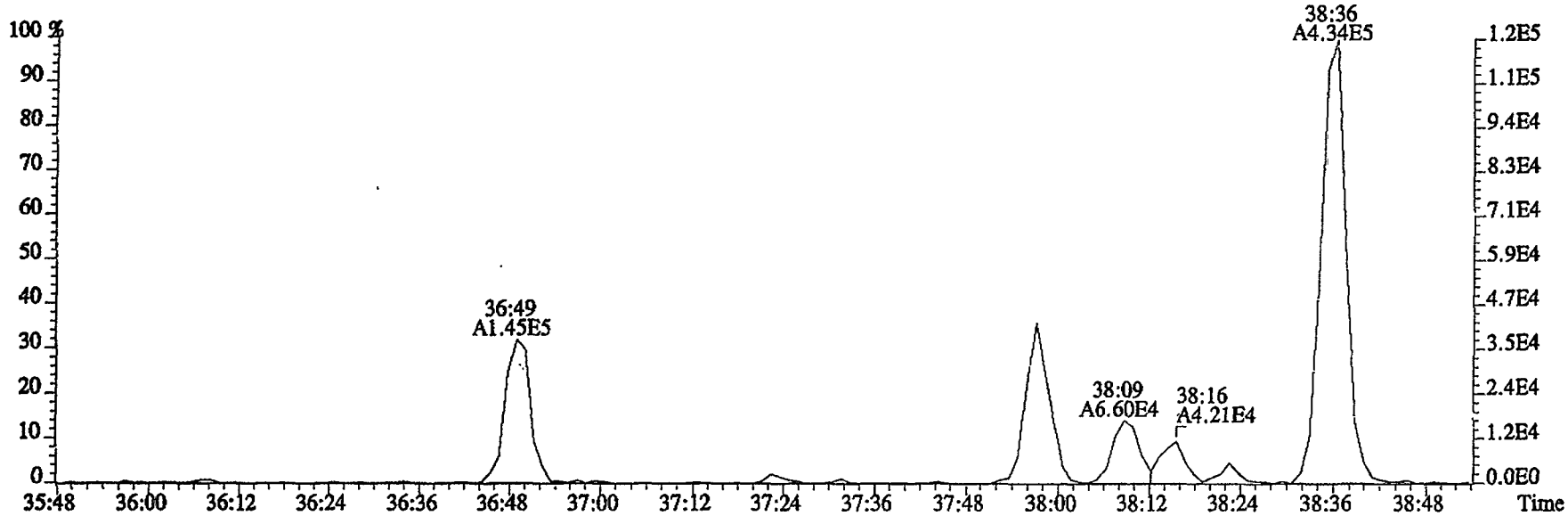
371.8817 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



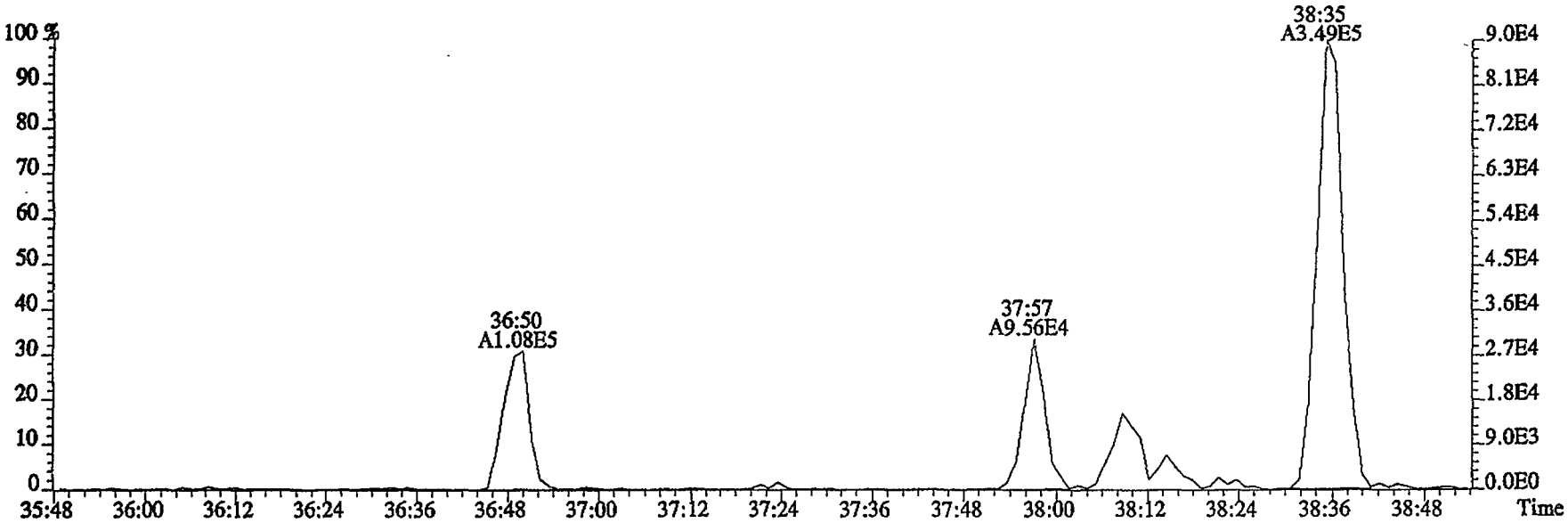
373.8788 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



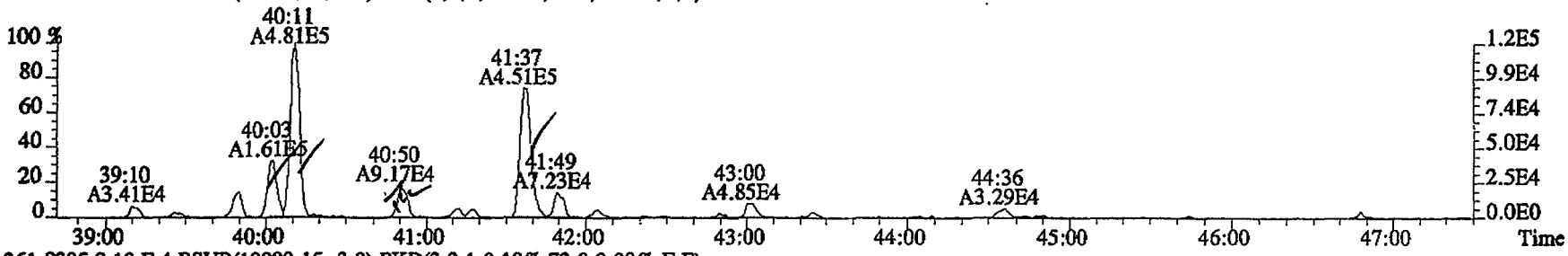
File:040519E1 #1-685 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
359.8415 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



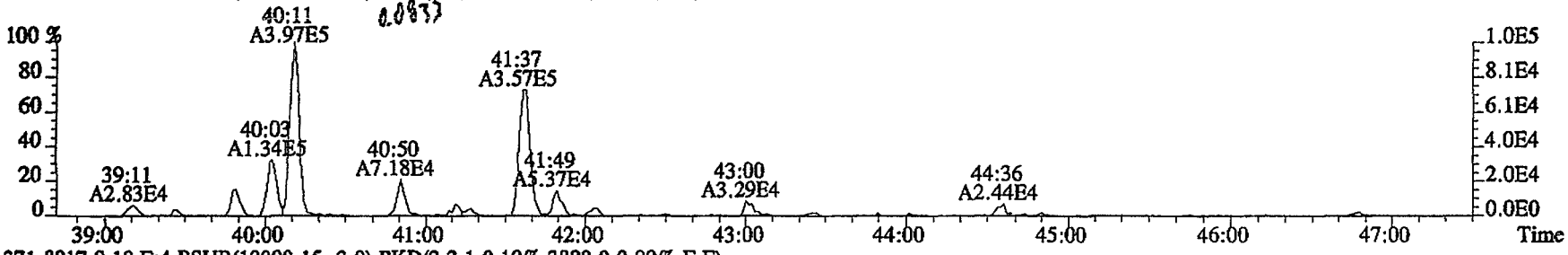
361.8385 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



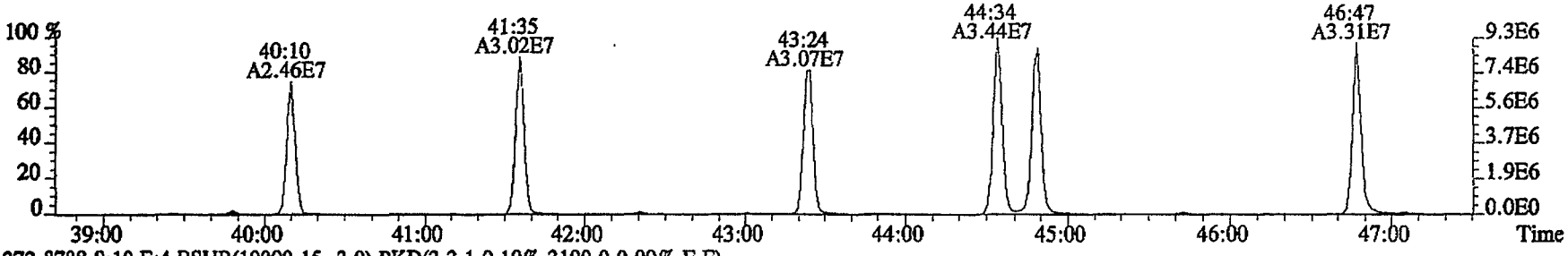
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
359.8415 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



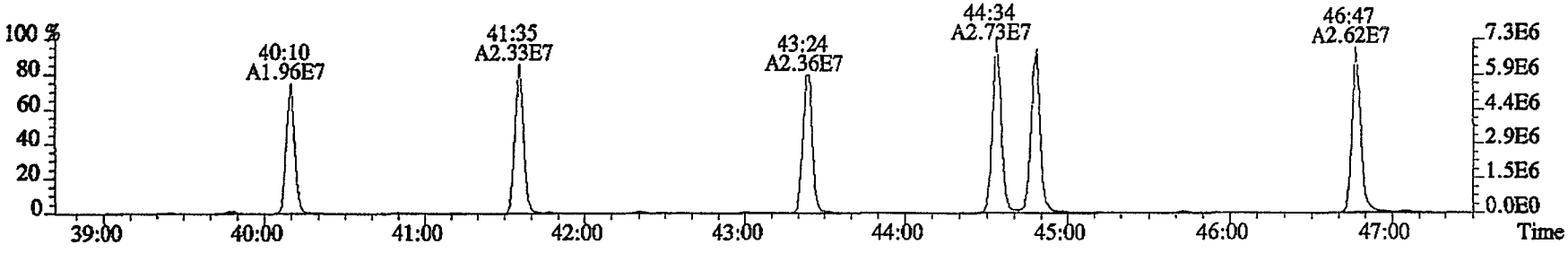
361.8385 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



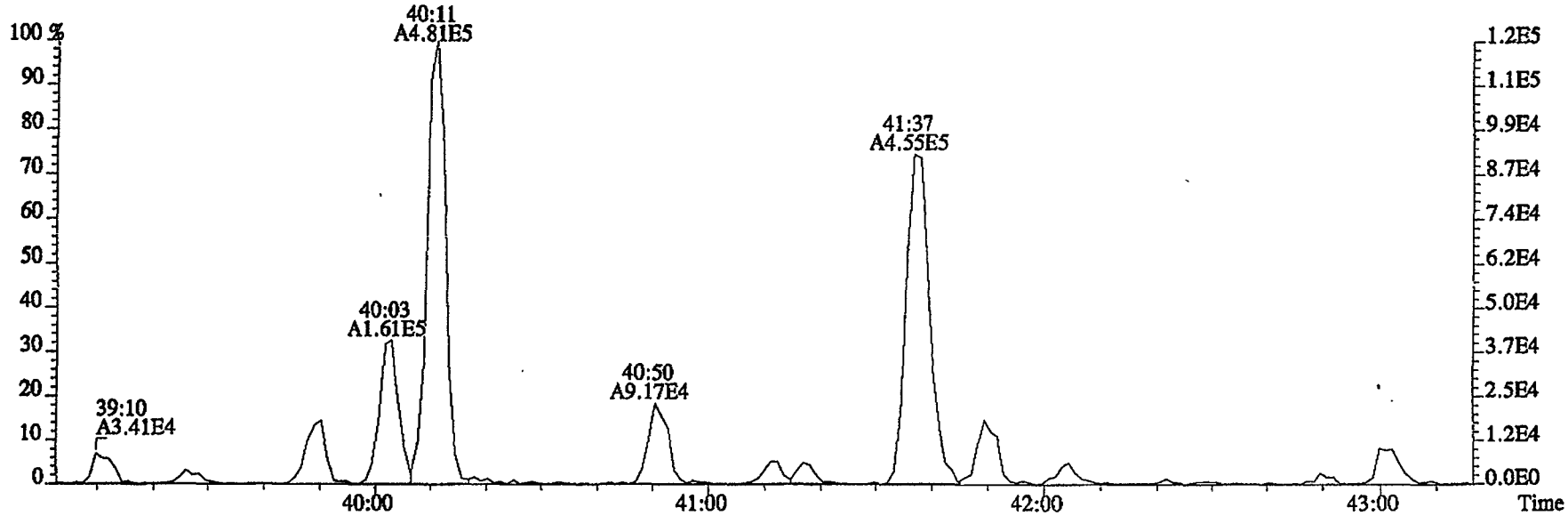
371.8817 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3888.0,0.00%,F,F)



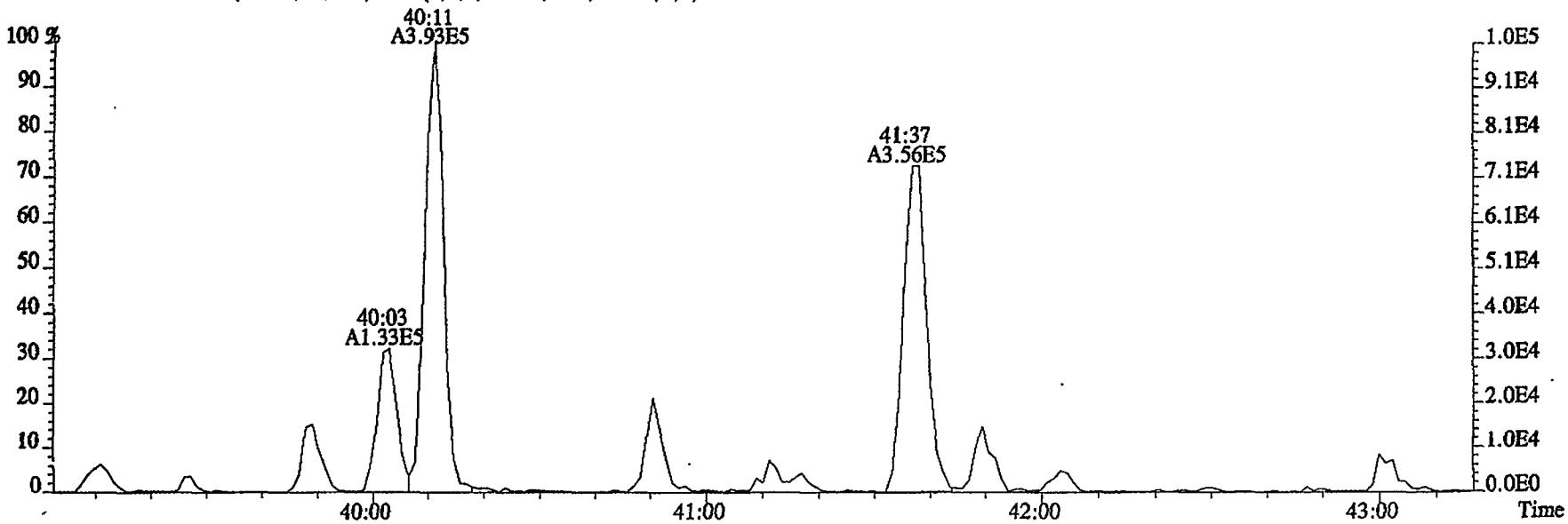
373.8788 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3100.0,0.00%,F,F)



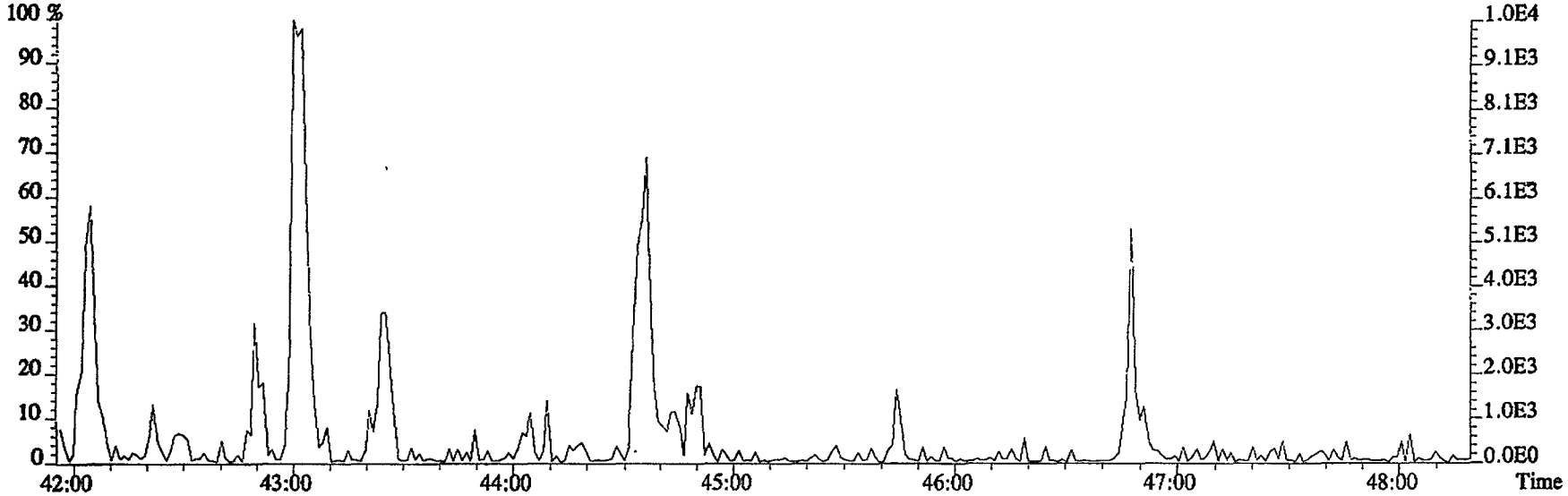
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
359.8415 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



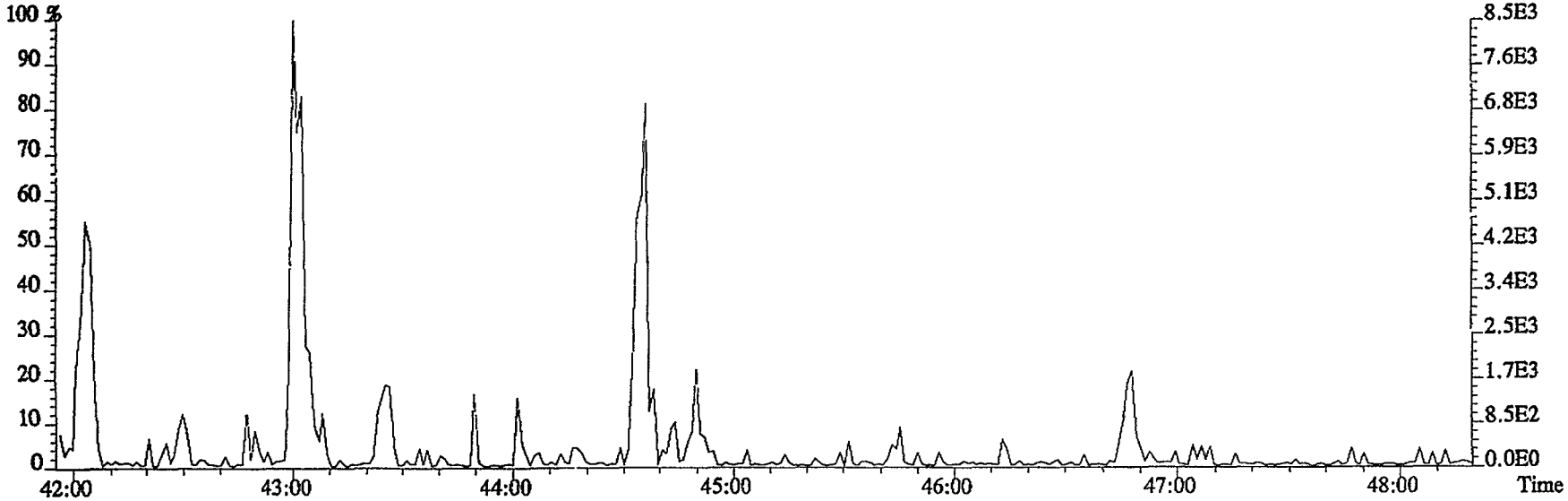
361.8385 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



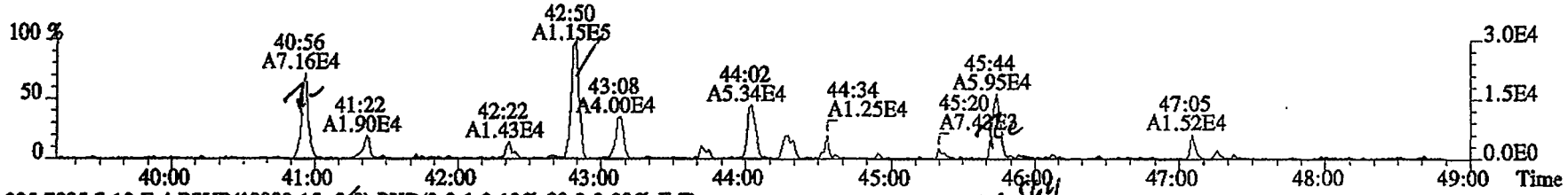
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
359.8415 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



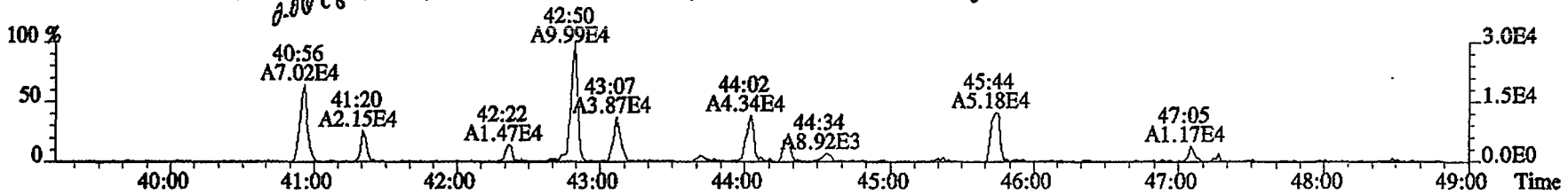
361.8385 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



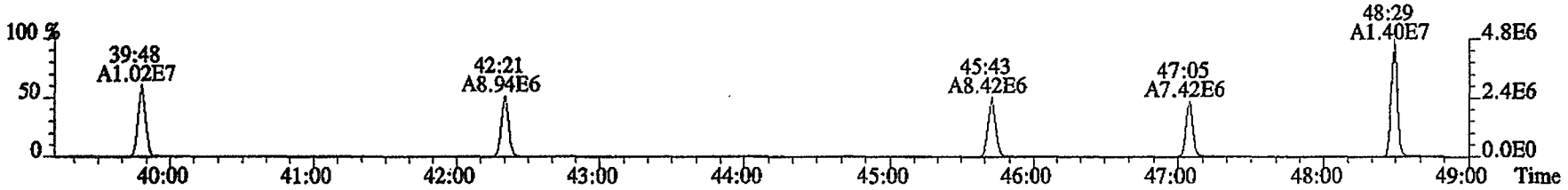
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
393.8025 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



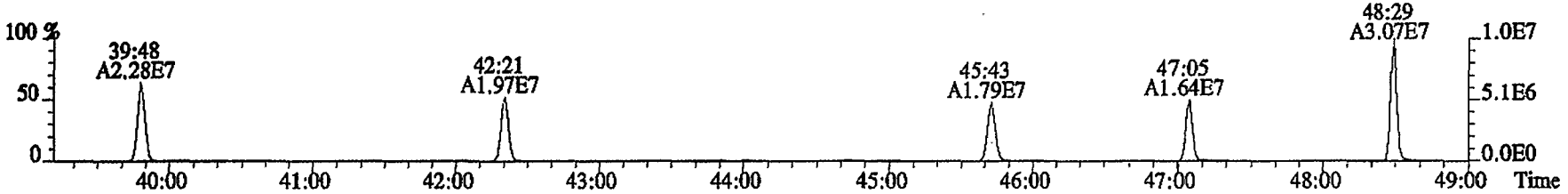
395.7995 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



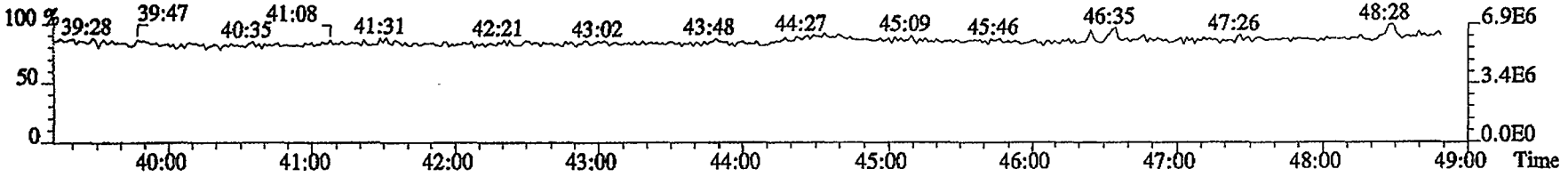
403.8457 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



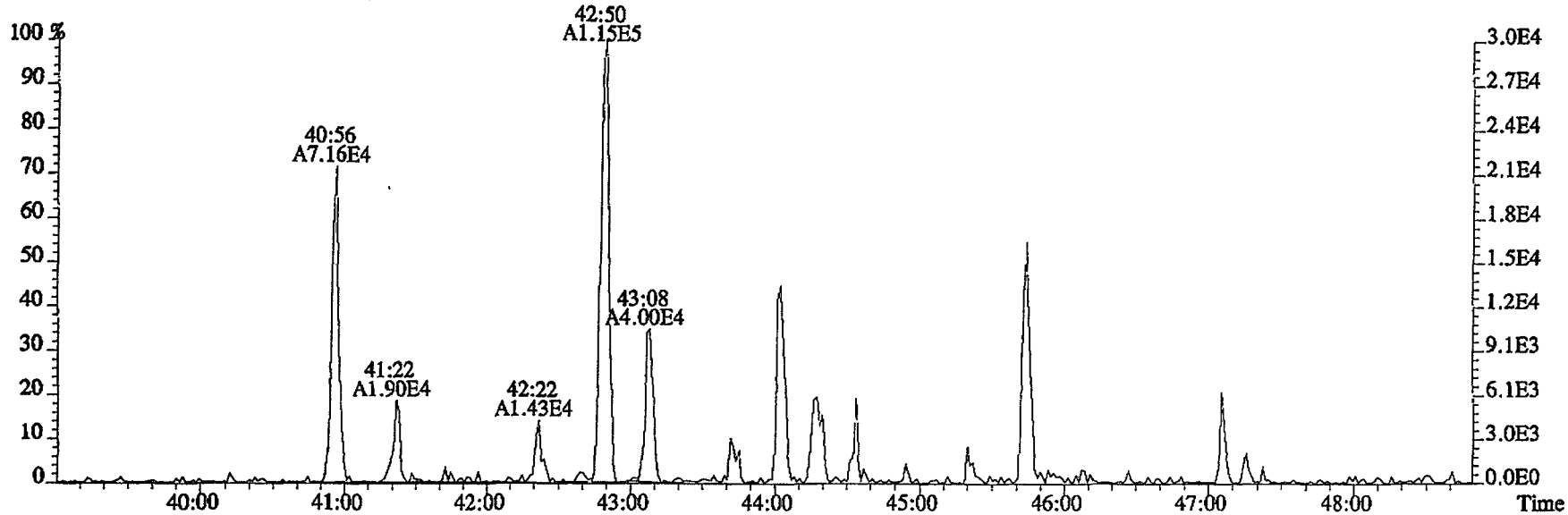
405.8428 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



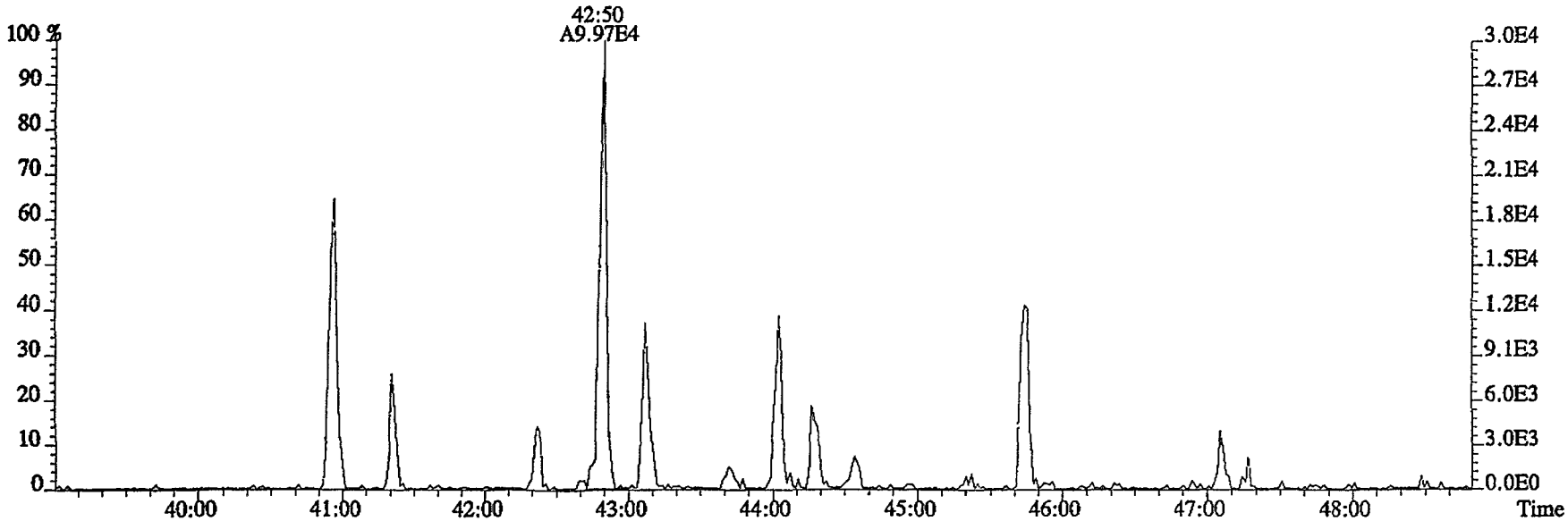
380.9760 S:10 F:4



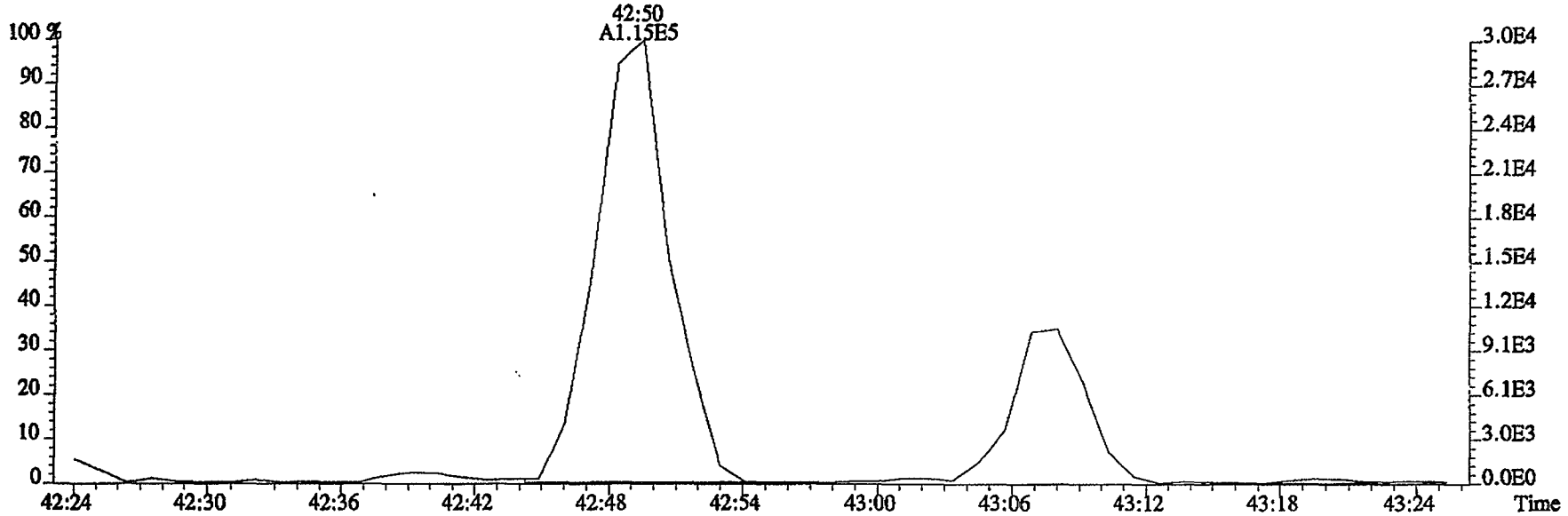
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
393.8025 S:10 F:4 BSUB(10000,15,-3.0)



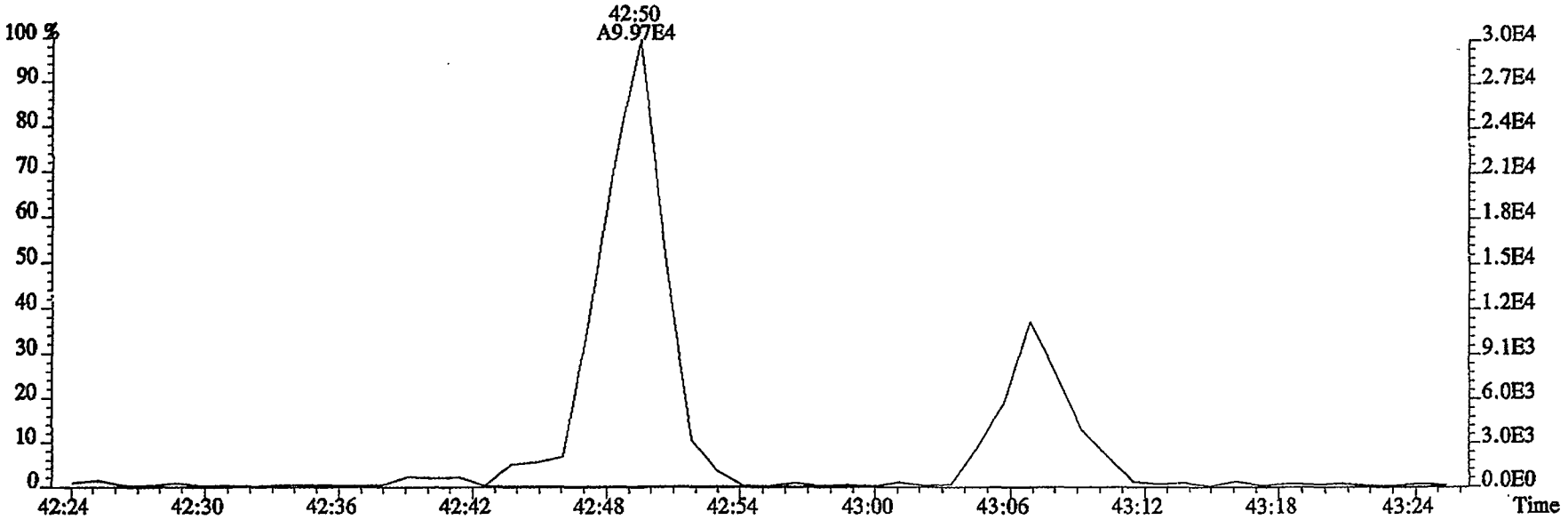
395.7995 S:10 F:4 BSUB(10000,15,-3.0)



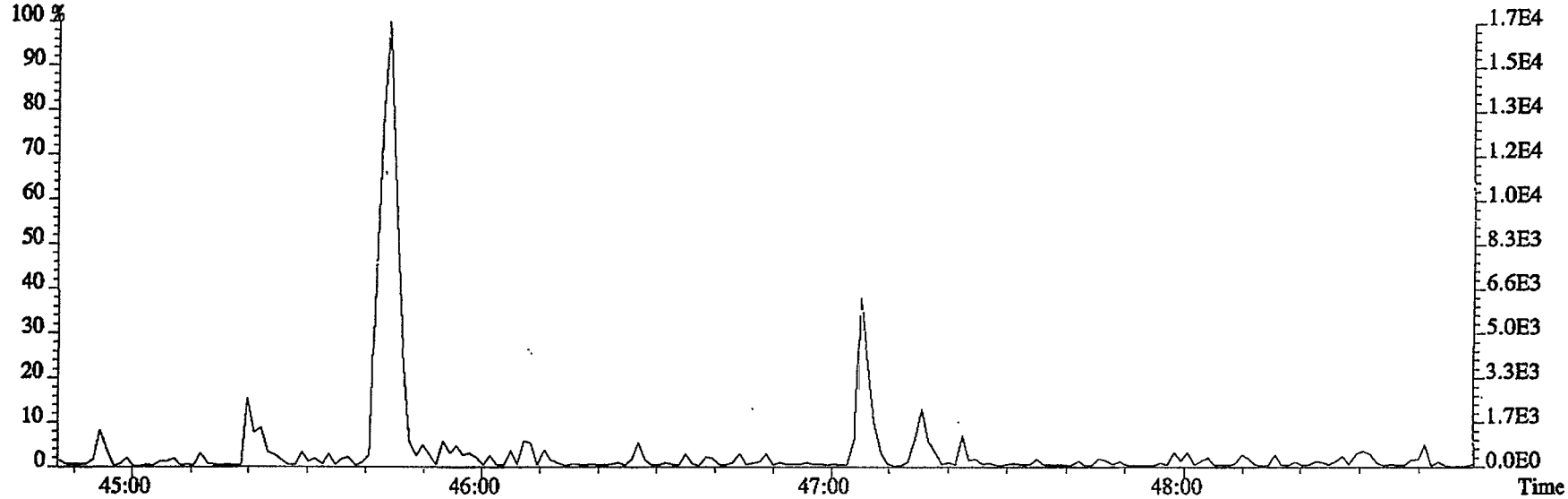
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
393.8025 S:10 F:4 BSUB(10000,15,-3.0)



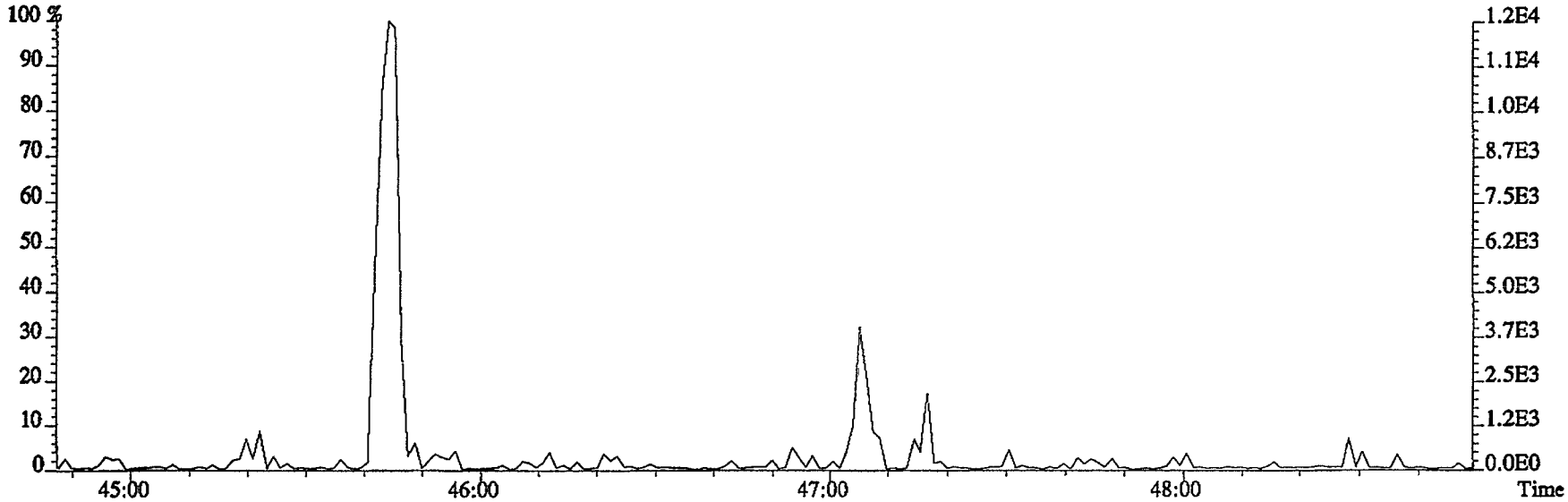
395.7995 S:10 F:4 BSUB(10000,15,-3.0)



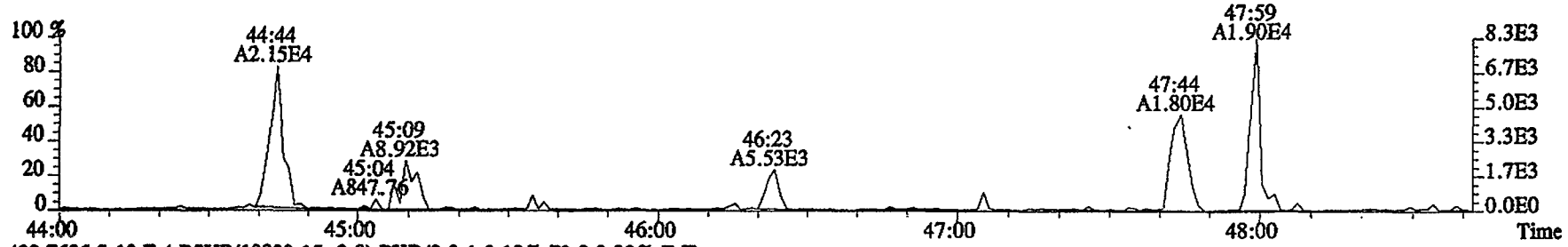
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
393.8025 S:10 F:4 BSUB(10000,15,-3.0)



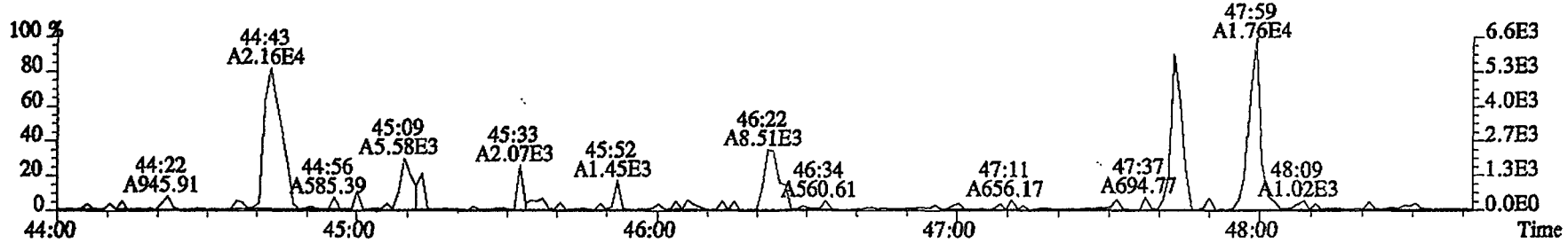
395.7995 S:10 F:4 BSUB(10000,15,-3.0)



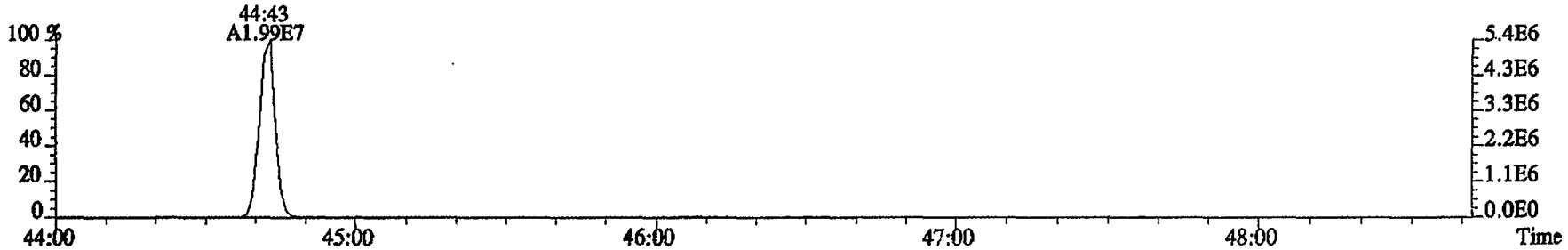
File:040519E1 #1-510 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
427.7635 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



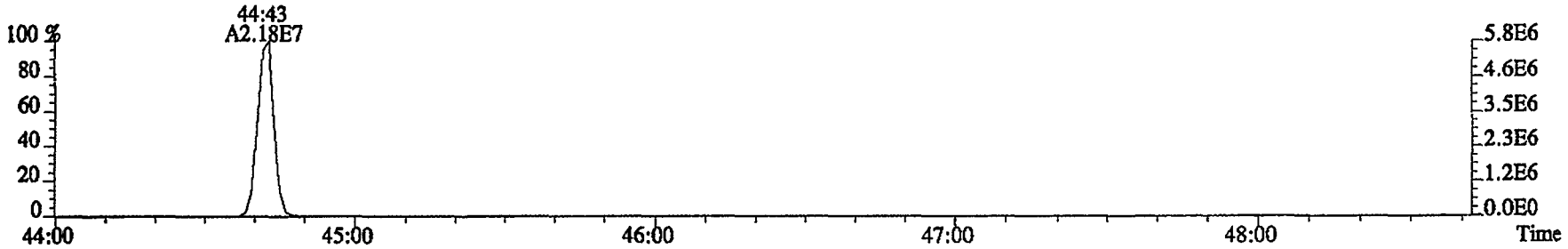
429.7606 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



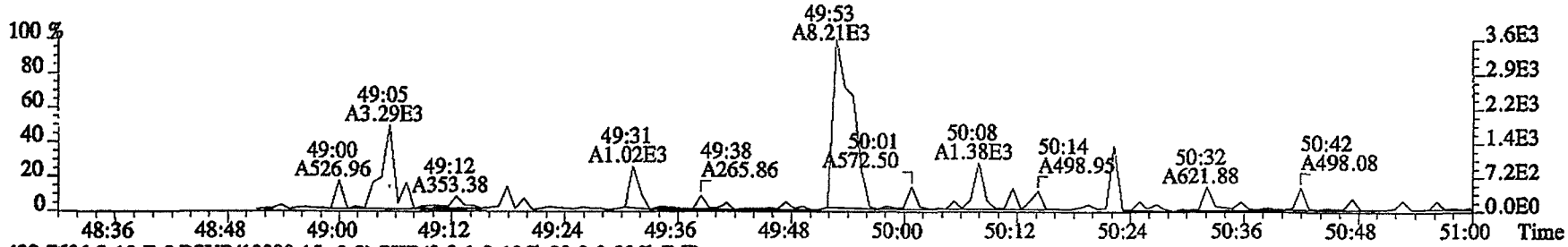
439.8038 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



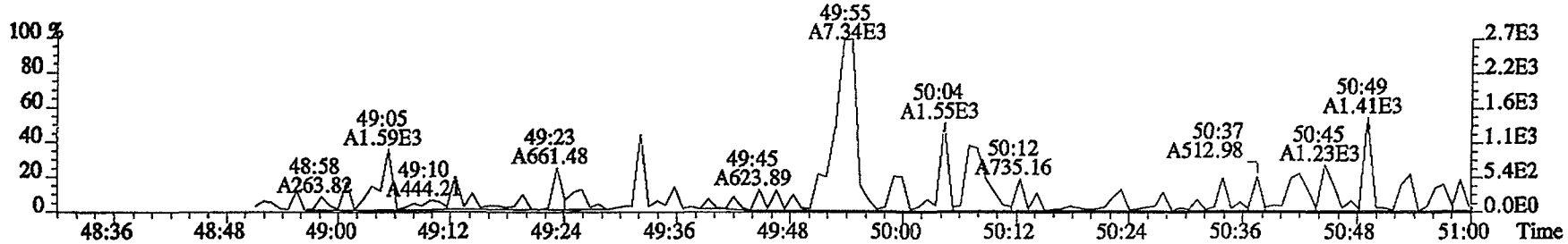
441.8008 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



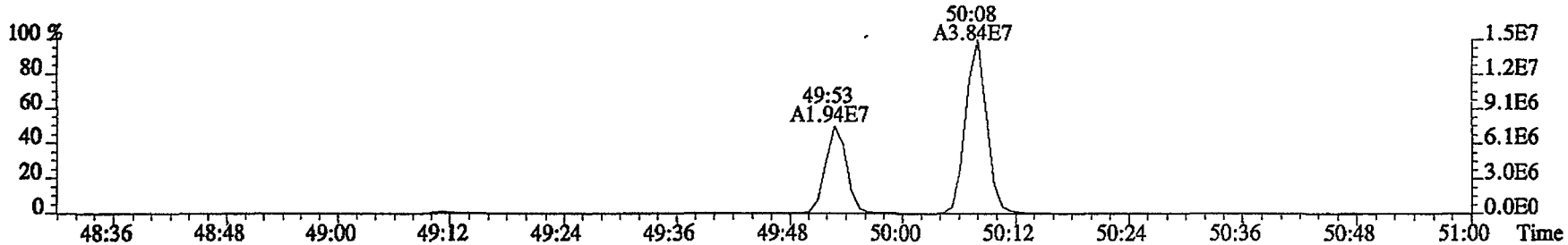
File:040519E1 #1-414 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
427.7635 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



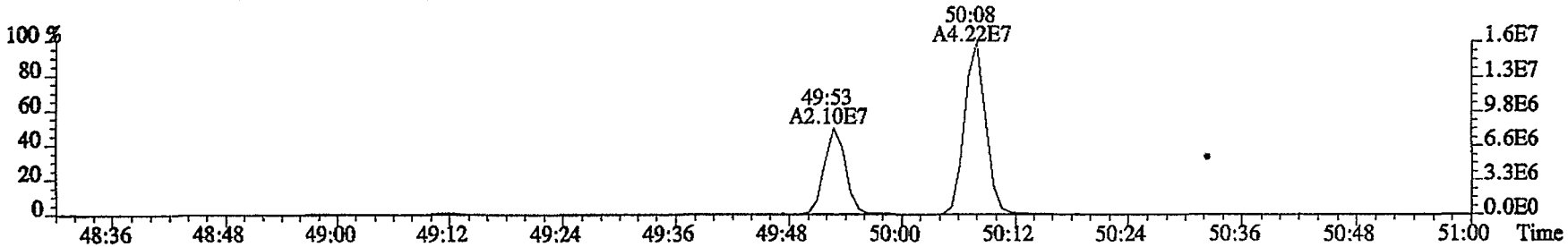
429.7606 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



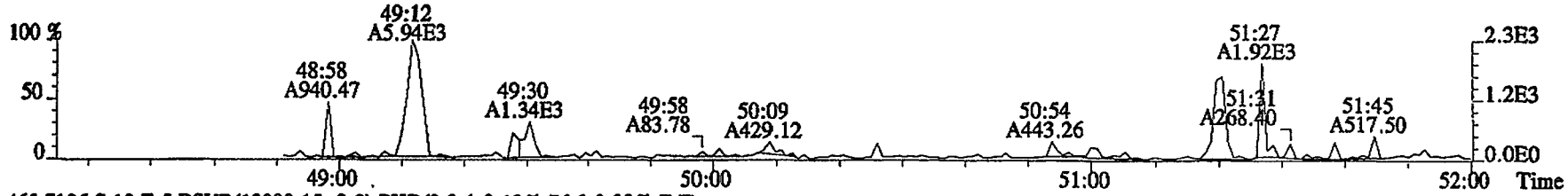
439.8038 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



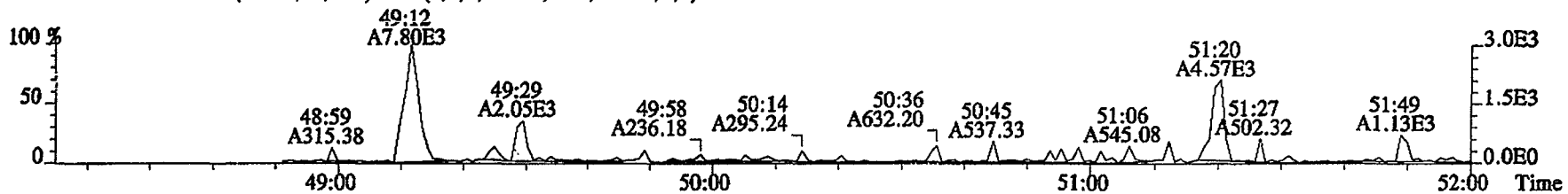
441.8008 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



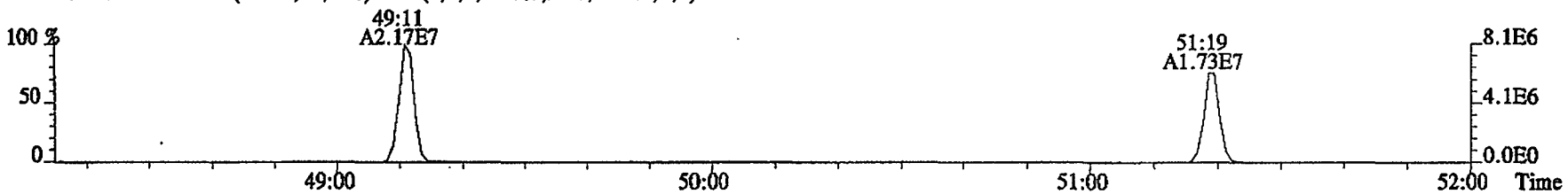
File:040519E1 #1-414 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
463.7216 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



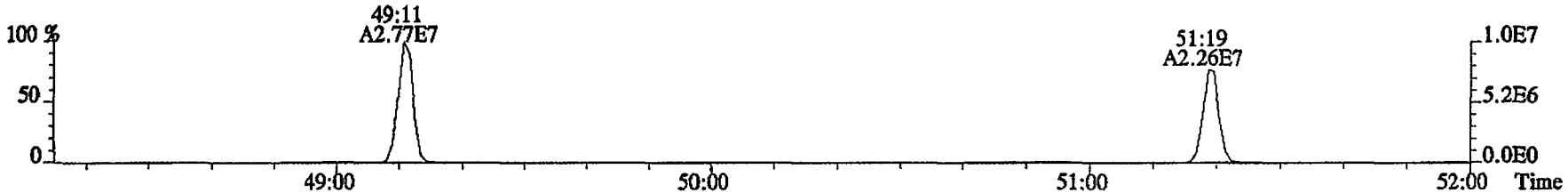
465.7186 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



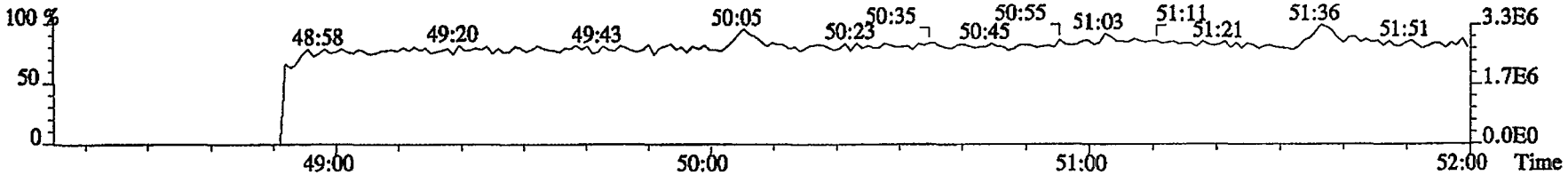
473.7648 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



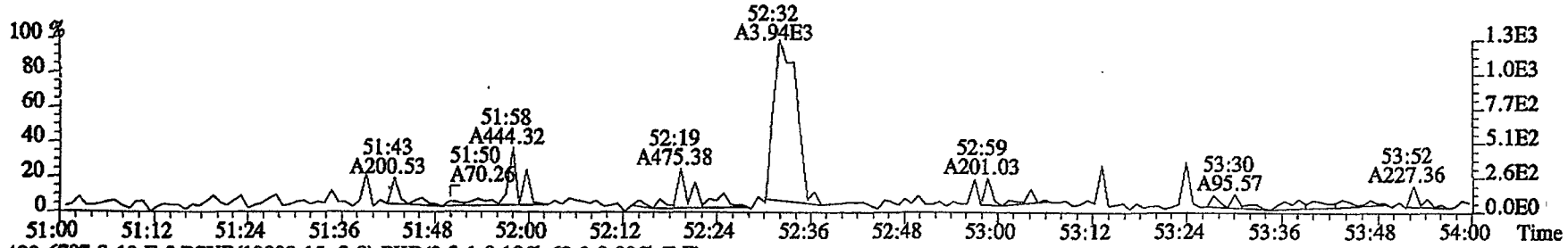
475.7619 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



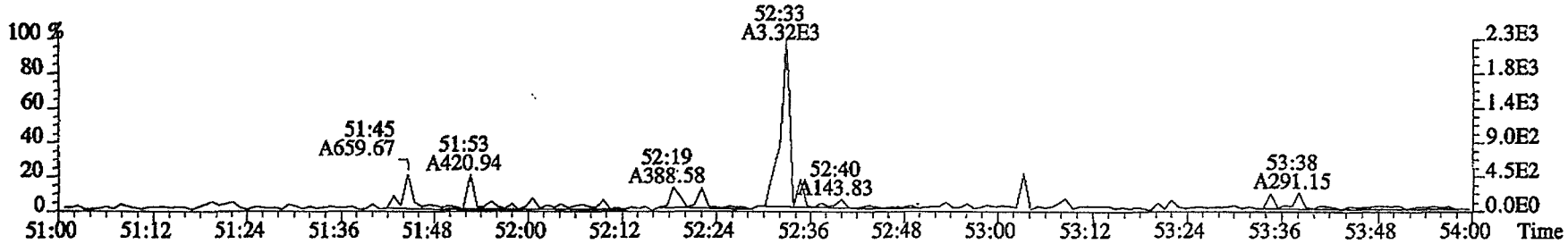
492.9697 S:10 F:5



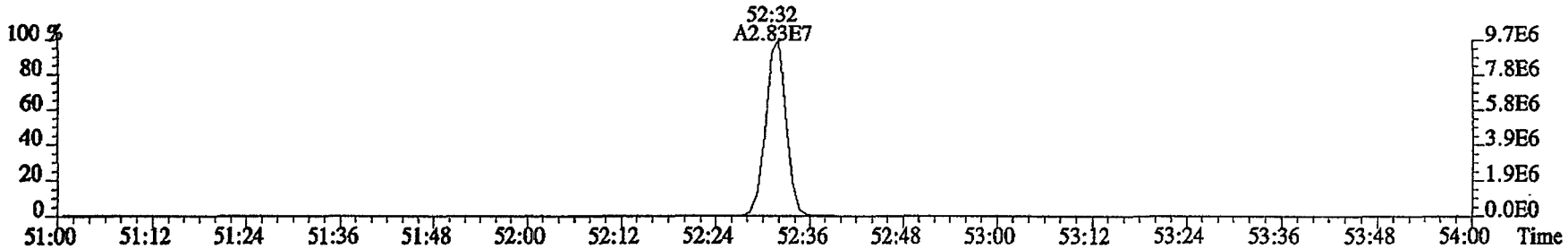
File:040519E1 #1-414 Acq:19-MAY-2004 19:57:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Alta Analytical Laboratory Text:24990_5892_006 84D-AIR-102 1Train Exp:PCB_DB1
497.6826 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



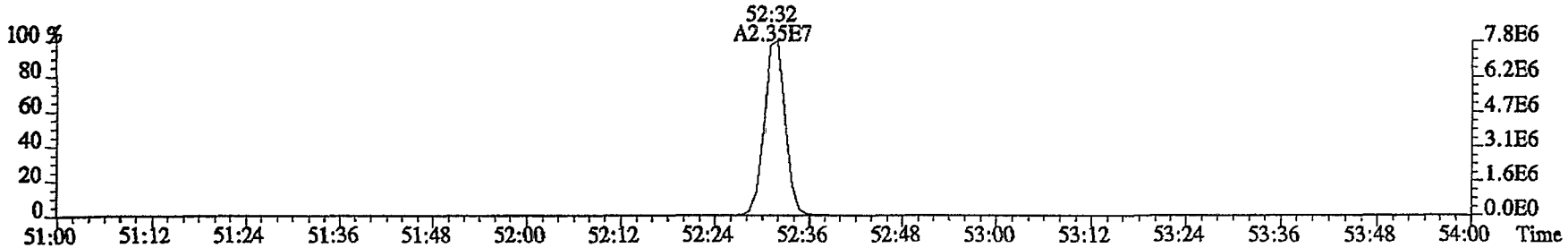
499.6797 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



509.7229 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



511.7199 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,104.0,0.00%,F,F)



Client ID: 84T-AIR-103 Filename: 040519E1 S:11 Acq:19-MAY-04 20:57:50 ConCal: ST040519E1-1
Lab ID: 24990_5892_007 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-1	3.17e+06	3.00 y	1.00	15:15	1.001	0.996-1.006	0.969
PCB-2	3.24e+05	2.84 y	0.84	17:30	0.988	0.984-0.994	0.101
PCB-3	1.76e+06	3.04 y	0.96	17:43	1.001	0.996-1.006	0.480
PCB-4/10	1.67e+07	1.66 y	1.81	18:57	1.001	0.998-1.008	5.45
PCB-7/9	2.85e+06	1.64 y	1.48	20:38	1.001	0.997-1.007	0.682
PCB-6	8.12e+06	1.64 y	1.48	21:15	1.031	1.027-1.037	1.95
PCB-5/8	4.75e+07	1.67 y	1.44	21:37	1.048	1.044-1.054	11.8
PCB-14	*	* n	1.51	NotFnd	*	1.095-1.107	*
PCB-11	3.63e+06	1.66 y	1.45	23:46	1.153	1.148-1.159	0.890
PCB-12/13	1.07e+06	1.51 y	1.50	24:06	1.169	1.165-1.177	0.253
PCB-15	1.41e+07	1.66 y	1.70	24:25	1.184	1.180-1.192	2.96
PCB-19	3.07e+06	1.03 y	1.18	22:47	1.000	0.996-1.006	1.34
PCB-30	*	* n	1.67	NotFnd	*	1.034-1.044	*
PCB-18	3.08e+07	1.05 y	0.69	24:18	0.954	0.950-0.960	12.3
PCB-17	1.38e+07	1.02 y	0.78	24:29	0.961	0.956-0.966	4.83
PCB-24/27	3.24e+06	1.05 y	0.99	25:00	0.981	0.977-0.987	0.898
PCB-16/32	2.28e+07	1.04 y	0.85	25:27	0.999	0.995-1.005	7.33
PCB-34	*	* n	1.19	NotFnd	*	0.956-0.966	*
PCB-23	*	* n	1.33	NotFnd	*	0.959-0.969	*
PCB-29	4.21e+05	1.06 y	1.35	26:32	0.972	0.968-0.978	0.0948
PCB-26	7.59e+06	1.05 y	1.28	26:44	0.980	0.975-0.985	1.80
PCB-25	4.18e+06	1.07 y	1.33	26:52	0.985	0.980-0.990	0.956
PCB-31	3.93e+07	1.07 y	1.30	27:12	0.997	0.991-1.001	9.21
PCB-28	4.76e+07	1.06 y	1.54	27:17	1.000	0.996-1.006	9.40
PCB-20/21/33	3.82e+07	1.08 y	1.27	27:52	1.021	1.016-1.026	9.13
PCB-22	1.93e+07	1.10 y	1.33	28:15	1.035	1.031-1.041	4.42
PCB-36	*	* n	1.47	NotFnd	*	0.930-0.940	*
PCB-39	*	* n	1.57	NotFnd	*	0.944-0.954	*
PCB-38	*	* n	1.46	NotFnd	*	0.966-0.976	*
PCB-35	4.32e+05	1.17 y	1.42	30:27	0.987	0.982-0.992	0.0995
PCB-37	9.82e+06	1.06 y	1.57	30:51	1.000	0.995-1.005	2.05
PCB-54	*	* n	0.99	NotFnd	*	0.996-1.006	*
PCB-50	*	* n	0.73	NotFnd	*	1.037-1.047	*
PCB-53	1.63e+06	0.76 y	0.71	27:54	1.064	1.059-1.069	0.787
PCB-51	5.92e+05	0.81 y	0.72	28:13	1.076	1.071-1.081	0.282
PCB-45	1.76e+06	0.75 y	0.62	28:37	1.091	1.087-1.097	0.973
PCB-46	7.07e+05	0.78 y	0.60	29:03	1.108	1.102-1.114	0.403

Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
PCB-52/69	7.49e+06	0.74 y	0.81	29:29	1.124	1.119-1.131	3.20
PCB-73	*	* n	0.90	NotFnd	*	1.123-1.135	*
PCB-43/49	6.42e+06	0.77 y	0.71	29:47	1.136	1.129-1.141	3.13
PCB-47	2.36e+06	0.78 y	0.73	29:57	1.142	1.136-1.148	1.12
PCB-48/75	2.86e+06	0.78 y	0.86	30:04	1.146	1.141-1.153	1.15
PCB-65	*	* n	0.86	NotFnd	*	1.150-1.162	*
PCB-62	*	* n	0.83	NotFnd	*	1.154-1.166	*
PCB-44	6.26e+06	0.76 y	0.61	30:40	1.169	1.164-1.176	3.53
PCB-42/59	3.62e+06	0.75 y	0.79	30:54	1.178	1.171-1.183	1.58
PCB-41/64/71/72	8.78e+06	0.76 y	0.88	31:25	1.198	1.193-1.205	3.45
PCB-68	*	* n	0.97	NotFnd	*	1.202-1.214	*
PCB-40	1.17e+06	0.76 y	0.53	31:50	1.214	1.208-1.220	0.757
PCB-57	*	* n	1.09	NotFnd	*	0.880-0.888	*
PCB-67	4.57e+05	0.79 y	1.12	32:29	0.893	0.886-0.895	0.137
PCB-58	*	* n	1.08	NotFnd	*	0.889-0.898	*
PCB-63	*	* n	1.09	NotFnd	*	0.893-0.902	*
PCB-74	3.91e+06	0.75 y	1.15	32:59	0.906	0.900-0.909	1.14
PCB-61	*	* n	0.91	NotFnd	*	0.903-0.913	*
PCB-70	7.45e+06	0.76 y	1.14	33:10	0.911	0.905-0.915	2.20
PCB-76	*	* n	0.99	NotFnd	*	0.911-0.921	*
PCB-66	6.55e+06	0.77 y	1.31	33:22	0.917	0.911-0.921	1.68
PCB-80	*	* n	1.28	NotFnd	*	0.917-0.927	*
PCB-55	*	* n	1.10	NotFnd	*	0.925-0.935	*
PCB-56/60	4.90e+06	0.75 y	1.09	34:17	0.942	0.936-0.946	1.51
PCB-79	*	* n	1.12	NotFnd	*	0.965-0.975	*
PCB-78	*	* n	1.08	NotFnd	*	0.982-0.992	*
PCB-81	*	* n	1.16	NotFnd	*	0.995-1.005	*
PCB-77	*	* n	1.06	NotFnd	*	0.995-1.005	*
PCB-104	*	* n	1.16	NotFnd	*	0.996-1.006	*
PCB-96	*	* n	1.10	NotFnd	*	1.033-1.043	*
PCB-103	*	* n	0.91	NotFnd	*	1.050-1.060	*
PCB-100	*	* n	0.90	NotFnd	*	1.061-1.071	*
PCB-94	*	* n	0.98	NotFnd	*	0.981-0.991	*
PCB-95/98/102	1.32e+06	1.59 y	1.09	33:25	1.000	0.995-1.005	0.680
PCB-93	*	* n	1.00	NotFnd	*	0.998-1.008	*
PCB-88/91	2.28e+05	1.60 y	1.00	33:47	1.011	1.006-1.016	0.128
PCB-121	*	* n	1.49	NotFnd	*	1.009-1.019	*

RL: MONO, TRI: 0.0500 ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100 ng

RL: OCTA - DECA: 0.150 ng Date: 5-21-04

Client ID: 84T-AIR-103 Filename: 040519E1 S:11 Acq:19-MAY-04 20:57:50 ConCal: ST040519E1-1
Lab ID: 24990_5892_007 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc
PCB-84/92	5.16e+05	1.58	y	1.01	34:37	0.990	0.985-0.995	0.283
PCB-89	*	*	n	0.96	NotFnd	*	0.990-1.000	*
PCB-90/101	1.28e+06	1.48	y	1.14	34:58	1.000	0.995-1.005	0.624
PCB-113	*	*	n	1.19	NotFnd	*	1.001-1.011	*
PCB-99	5.04e+05	1.57	y	1.27	35:16	1.009	1.004-1.014	0.221
PCB-119	*	*	n	1.45	NotFnd	*	1.016-1.026	*
PCB-108/112	*	*	n	1.15	NotFnd	*	1.020-1.030	*
PCB-83	*	*	n	1.31	NotFnd	*	1.024-1.034	*
PCB-97	2.97e+05	1.57	y	1.02	36:09	1.034	1.029-1.039	0.161
PCB-86	*	*	n	0.91	NotFnd	*	1.032-1.042	*
B-87/117/125	4.54e+05	1.56	y	1.32	36:24	1.041	1.036-1.046	0.191
PCB-111/115	*	*	n	1.46	NotFnd	*	1.040-1.050	*
PCB-85/116	*	*	n	1.21	NotFnd	*	1.043-1.053	*
PCB-120	*	*	n	1.53	NotFnd	*	1.050-1.060	*
PCB-110	1.01e+06	1.59	y	1.47	37:00	1.058	1.054-1.064	0.380
PCB-82	*	*	n	0.70	NotFnd	*	0.972-0.982	*
PCB-124	*	*	n	1.17	NotFnd	*	0.988-0.998	*
PCB-107/109	*	*	n	1.21	NotFnd	*	0.991-1.001	*
PCB-123	*	*	n	1.15	NotFnd	*	0.995-1.005	*
PCB-106/118	4.66e+05	1.55	y	1.06	38:40	1.001	0.996-1.006	0.190
PCB-114	*	*	n	1.40	NotFnd	*	0.995-1.005	*
PCB-122	*	*	n	1.45	NotFnd	*	0.979-0.989	*
PCB-105	*	*	n	1.44	NotFnd	*	0.996-1.006	*
PCB-127	*	*	n	1.35	NotFnd	*	1.004-1.014	*
PCB-126	*	*	n	1.41	NotFnd	*	0.995-1.005	*
PCB-155	*	*	n	1.12	NotFnd	*	0.995-1.005	*
PCB-150	*	*	n	1.04	NotFnd	*	1.028-1.038	*
PCB-152	*	*	n	1.03	NotFnd	*	1.041-1.051	*
PCB-145	*	*	n	1.02	NotFnd	*	1.052-1.062	*
PCB-136	*	*	n	1.00	NotFnd	*	1.061-1.071	*
PCB-148	*	*	n	0.79	NotFnd	*	1.064-1.074	*
PCB-154	*	*	n	0.92	NotFnd	*	1.077-1.087	*
PCB-151	*	*	n	0.72	NotFnd	*	1.094-1.104	*
PCB-135	*	*	n	0.70	NotFnd	*	1.098-1.110	*
PCB-144	*	*	n	0.77	NotFnd	*	1.101-1.113	*
PCB-147	*	*	n	0.83	NotFnd	*	1.105-1.117	*
PCB-139/149	3.12e+05	1.15	y	0.80	38:35	1.117	1.112-1.124	0.182

	Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc
-	PCB-140	*	*	n	0.80	NotFnd	*	1.117-1.129	*
-	PCB-134/143	*	*	n	0.74	NotFnd	*	1.128-1.140	*
	PCB-133/142	*	*	n	0.74	NotFnd	*	1.136-1.148	*
	PCB-131	*	*	n	0.72	NotFnd	*	1.140-1.152	*
	PCB-146/165	*	*	n	1.01	NotFnd	*	0.986-0.996	*
	PCB-132/161	*	*	n	0.96	NotFnd	*	0.991-1.001	*
	PCB-153	2.83e+05	1.29	y	1.03	40:10	1.000	0.995-1.005	0.139
	PCB-168	*	*	n	1.11	NotFnd	*	1.000-1.010	*
	PCB-141	*	*	n	0.89	NotFnd	*	1.012-1.022	*
	PCB-137	*	*	n	0.84	NotFnd	*	1.021-1.031	*
	PCB-130	*	*	n	0.77	NotFnd	*	1.023-1.033	*
	PCB-138/163/164	2.32e+05	1.21	y	1.09	41:37	1.036	1.032-1.042	0.107
	PCB-158/160	*	*	n	1.16	NotFnd	*	1.037-1.047	*
	PCB-129	*	*	n	0.73	NotFnd	*	1.042-1.052	*
	PCB-166	*	*	n	0.93	NotFnd	*	0.974-0.984	*
	PCB-159	*	*	n	0.99	NotFnd	*	0.981-0.991	*
	PCB-128/162	*	*	n	0.84	NotFnd	*	0.987-0.997	*
	PCB-167	*	*	n	0.97	NotFnd	*	0.995-1.005	*
	PCB-156	*	*	n	1.04	NotFnd	*	0.995-1.005	*
	PCB-157	*	*	n	0.96	NotFnd	*	0.996-1.006	*
	PCB-169	*	*	n	0.96	NotFnd	*	0.995-1.005	*
	PCB-188	*	*	n	1.47	NotFnd	*	0.995-1.005	*
	PCB-184	*	*	n	1.48	NotFnd	*	1.005-1.015	*
	PCB-179	*	*	n	1.38	NotFnd	*	1.023-1.033	*
	PCB-176	*	*	n	1.34	NotFnd	*	1.034-1.044	*
	PCB-186	*	*	n	1.38	NotFnd	*	1.048-1.058	*
	PCB-178	*	*	n	0.99	NotFnd	*	1.059-1.069	*
	PCB-175	*	*	n	0.98	NotFnd	*	1.067-1.077	*
	PCB-182/187	*	*	n	1.16	NotFnd	*	1.071-1.081	*
	PCB-183	*	*	n	1.12	NotFnd	*	1.078-1.088	*
	PCB-185	*	*	n	1.38	NotFnd	*	0.952-0.962	*
	PCB-174	*	*	n	1.46	NotFnd	*	0.959-0.969	*
	PCB-181	*	*	n	1.42	NotFnd	*	0.961-0.971	*
	PCB-177	*	*	n	1.35	NotFnd	*	0.964-0.974	*
	PCB-171	*	*	n	1.45	NotFnd	*	0.970-0.980	*
	PCB-173	*	*	n	1.29	NotFnd	*	0.978-0.988	*
	PCB-172	*	*	n	1.30	NotFnd	*	0.987-0.997	*

RL: MONO, TRI: 0.0500ng Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: 0.100ng

RL: OCTA - DECA: 0.150ng Date: 5-21-04

Client ID: 84T-AIR-103 Filename: 040519E1 S:11 Acq:19-MAY-04 20:57:50 ConCal: ST040519E1-1
Lab ID: 24990_5892_007 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

	Name	Resp	RA	RRF	RT	RRT	LCL UCL	Conc
	PCB-192	*	* n	1.70	NotFnd	*	0.991-1.001	*
	PCB-180	*	* n	1.50	NotFnd	*	0.995-1.005	*
	PCB-193	*	* n	1.94	NotFnd	*	0.999-1.009	*
	PCB-191	*	* n	1.79	NotFnd	*	1.004-1.014	*
	PCB-170	*	* n	1.53	NotFnd	*	0.995-1.005	*
	PCB-190	*	* n	2.02	NotFnd	*	0.999-1.009	*
	PCB-189	*	* n	1.42	NotFnd	*	0.995-1.005	*
	PCB-202	*	* n	1.00	NotFnd	*	0.996-1.006	*
	PCB-201	*	* n	0.99	NotFnd	*	1.005-1.015	*
	PCB-204	*	* n	1.02	NotFnd	*	1.008-1.018	*
	PCB-197	*	* n	1.04	NotFnd	*	1.014-1.025	*
	PCB-200	*	* n	0.98	NotFnd	*	1.032-1.042	*
	PCB-198	*	* n	0.68	NotFnd	*	1.060-1.070	*
	PCB-199	*	* n	0.74	NotFnd	*	1.062-1.072	*
-	PCB-196/203	*	* n	0.79	NotFnd	*	1.068-1.078	*
-	PCB-195	*	* n	1.18	NotFnd	*	0.979-0.989	*
	PCB-194	*	* n	1.28	NotFnd	*	0.995-1.005	*
	PCB-205	*	* n	1.67	NotFnd	*	1.000-1.010	*
	PCB-208	*	* n	0.94	NotFnd	*	0.995-1.005	*
	PCB-207	*	* n	0.84	NotFnd	*	1.001-1.014	*
	PCB-206	*	* n	0.88	NotFnd	*	0.995-1.005	*
	PCB-209	*	* n	1.11	NotFnd	*	0.995-1.005	*

Name	Resp	RA	RT	RRF	Conc	
Total Mono-PCB	5.26e+06	3.00 y	15:15	0.93	1.55	
Total Di-PCB	9.40e+07	1.66 y	18:57	1.51	24.0	
Total Tri-PCB	7.37e+07	1.03 y	22:47	0.99	26.7	
Total Tri-PCB	1.67e+08	1.06 y	26:32	1.38	37.2	Sum:63.8
Total Tetra-PCB	6.69e+07	0.76 y	27:54	0.81	27.0	
Total Penta-PCB	6.07e+06	1.59 y	33:25	1.10	2.86	
Total Penta-PCB	*	* n	NotFnd	1.41	*	Sum:2.86
Total Hexa-PCB	3.12e+05	1.15 y	38:35	0.88	0.182	
Total Hexa-PCB	5.15e+05	1.29 y	40:10	0.92	0.246	Sum:0.428
Total Hepta-PCB	*	* n	NotFnd	1.37	*	
Total Octa-PCB	*	* n	NotFnd	0.89	*	
Total Octa-PCB	*	* n	NotFnd	1.38	*	Sum:0.00
Total Nona-PCB	*	* n	NotFnd	0.89	*	
Total Deca-PCB	*	* n	NotFnd	1.11	*	

RL: MONO, TRI: 0.0500 ng
RL: DI, TETRA - HEPTA: 0.100 ng
RL: OCTA - DECA: 0.150 ng

Integrations by Analyst: [illegible]
Date: 5-21-04

Client ID: 84T-AIR-103 Filename: 040519E1 S:11 Acq:19-MAY-04 20:57:50 ConCal: ST040519E1-1
Lab ID: 24990_5892_007 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST040519E1-2

Name	Resp	RA		RRF	RT	RRT	LCL UCL	Conc	Rec
13C-PCB-1	6.57e+07	3.22	y	1.09	15:14	0.625	0.624-0.630	10.5	52.7
13C-PCB-3	7.64e+07	3.23	y	1.24	17:42	0.726	0.723-0.731	10.7	53.6
13C-PCB-4	3.39e+07	1.61	y	0.59	18:56	0.776	0.774-0.782	10.1	50.3
13C-PCB-9	5.62e+07	1.61	y	0.90	20:37	0.845	0.842-0.850	10.9	54.5
13C-PCB-19	3.89e+07	1.03	y	0.70	22:47	0.838	0.835-0.843	12.5	62.4
13C-PCB-28	6.56e+07	1.09	y	1.09	27:17	1.004	0.998-1.008	13.5	67.3
13C-PCB-32	7.31e+07	1.05	y	1.18	25:29	0.937	0.932-0.942	13.9	69.5
13C-PCB-37	6.11e+07	1.07	y	0.93	30:51	1.135	1.128-1.140	14.7	73.6
13C-PCB-54	5.80e+07	0.81	y	1.15	26:14	0.765	0.762-0.770	11.9	59.4
13C-PCB-77	6.12e+07	0.78	y	1.01	36:56	1.077	1.071-1.081	14.3	71.4
13C-PCB-81	5.94e+07	0.79	y	0.98	36:23	1.061	1.056-1.066	14.3	71.6
13C-PCB-95	3.55e+07	1.55	y	0.73	33:25	0.914	0.910-0.920	14.6	73.2
13C-PCB-101	3.60e+07	1.57	y	0.73	34:58	0.957	0.952-0.962	14.8	73.9
13C-PCB-104	4.59e+07	1.55	y	0.93	30:31	0.835	0.832-0.840	14.7	73.7
13C-PCB-105	4.56e+07	1.61	y	1.09	40:02	0.962	0.957-0.967	17.9	89.7
13C-PCB-114	4.65e+07	1.55	y	1.13	39:14	0.943	0.938-0.948	17.6	87.9
13C-PCB-118	4.64e+07	1.56	y	0.98	38:39	1.057	1.053-1.063	14.1	70.6
13C-PCB-123	4.31e+07	1.58	y	0.87	38:28	1.053	1.048-1.058	14.8	73.8
13C-PCB-126	4.54e+07	1.61	y	1.06	42:05	1.012	1.006-1.016	18.4	91.9
13C-PCB-153	3.97e+07	1.28	y	1.12	40:10	0.966	0.961-0.971	15.1	75.7
13C-PCB-155	4.28e+07	1.28	y	0.97	34:32	0.830	0.827-0.835	13.2	65.9
13C-PCB-156	5.08e+07	1.27	y	1.24	44:33	1.071	1.066-1.076	17.4	87.1
13C-PCB-157	5.23e+07	1.29	y	1.33	44:47	1.077	1.072-1.082	16.8	83.9
13C-PCB-167	4.68e+07	1.25	y	1.28	43:23	1.043	1.038-1.048	15.5	77.7
13C-PCB-169	4.77e+07	1.31	y	1.26	46:46	1.125	1.118-1.130	16.1	80.6
13C-PCB-170	1.99e+07	0.46	y	0.56	47:04	1.132	1.125-1.137	15.3	76.3
13C-PCB-180	2.30e+07	0.45	y	0.65	45:42	1.099	1.094-1.104	15.0	75.1
13C-PCB-188	3.00e+07	0.47	y	0.92	39:48	0.957	0.952-0.962	13.8	69.1
13C-PCB-189	3.21e+07	0.47	y	0.85	48:29	1.166	1.158-1.170	16.2	81.0
13C-PCB-194	3.55e+07	0.91	y	0.71	49:52	0.995	0.990-1.000	15.7	78.6
13C-PCB-202	3.53e+07	0.92	y	1.02	44:42	1.075	1.070-1.080	14.8	74.2
13C-PCB-206	3.02e+07	0.77	y	0.65	51:18	1.024	1.019-1.029	14.7	73.4
13C-PCB-208	4.18e+07	0.79	y	0.94	49:10	0.981	0.977-0.987	14.0	70.2
13C-PCB-209	3.98e+07	1.19	y	0.97	52:31	1.048	1.044-1.054	12.9	64.4
13C-PCB-15	1.15e+08	1.58	y	1.00	24:24			20.0	-
13C-PCB-31	8.92e+07	1.09	y	1.00	27:11			20.0	-
13C-PCB-60	8.50e+07	0.80	y	1.00	34:17			20.0	-
13C-PCB-111	6.69e+07	1.57	y	1.00	36:33			20.0	-
13C-PCB-138	4.68e+07	1.30	y	1.00	41:35			20.0	-
13C-PCB-205	6.36e+07	0.92	y	1.00	50:07			20.0	-

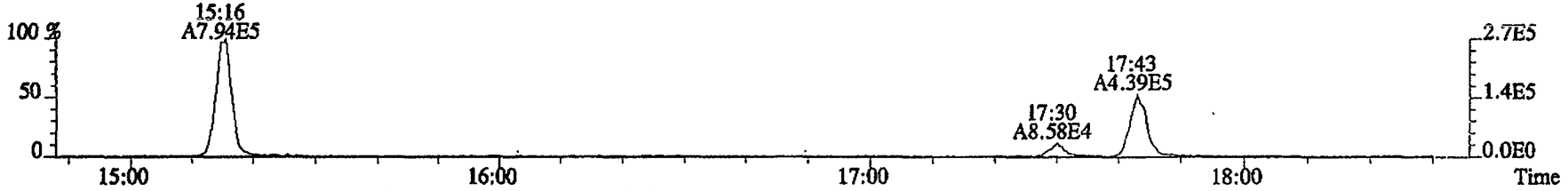
Name	Resp	RA		RT	RRF	Conc	Rec
13C-PCB-52	5.73e+07	0.81	y	29:29	0.82	23.6	94.4
13C-PCB-178	2.49e+07	0.46	y	42:20	0.90	24.1	96.5

Integrations by
Analyst: [signature]

Date: 5-21-04

File:040519E1 #1-728 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1476.0,0.00%,F,F)

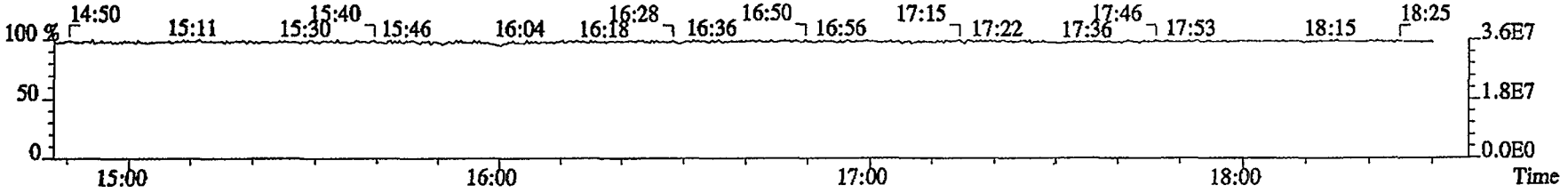
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1092.0,0.00%,F,F)



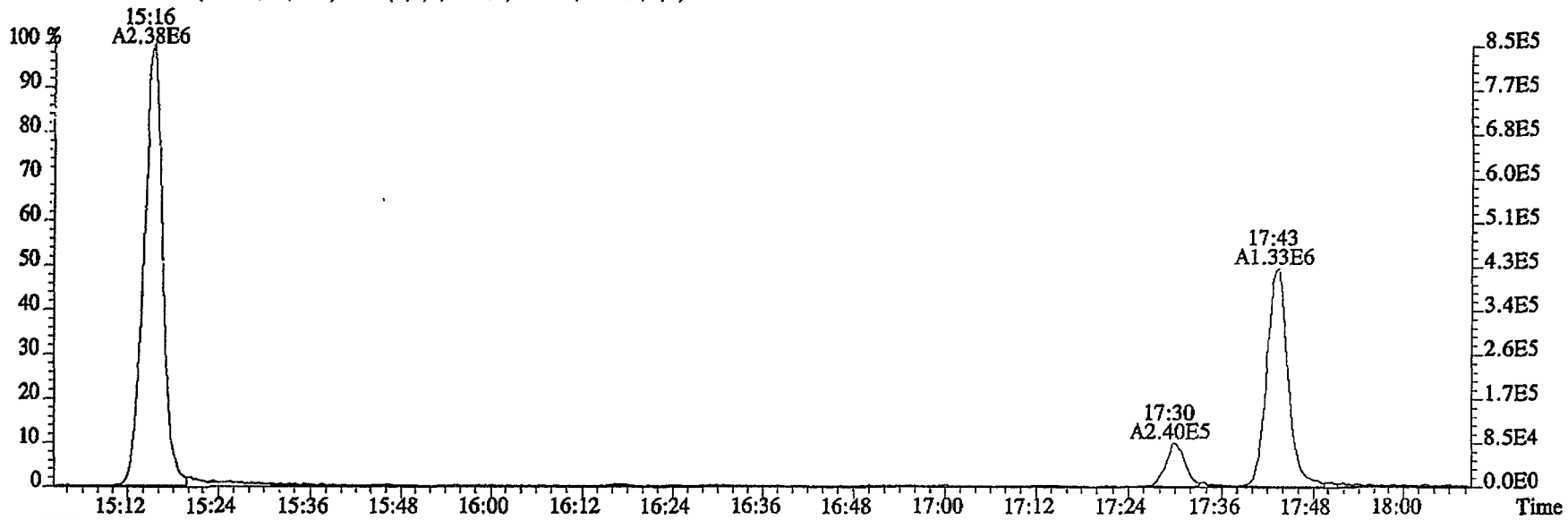
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3556.0,0.00%,F,F)

202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,47080.0,0.00%,F,F)

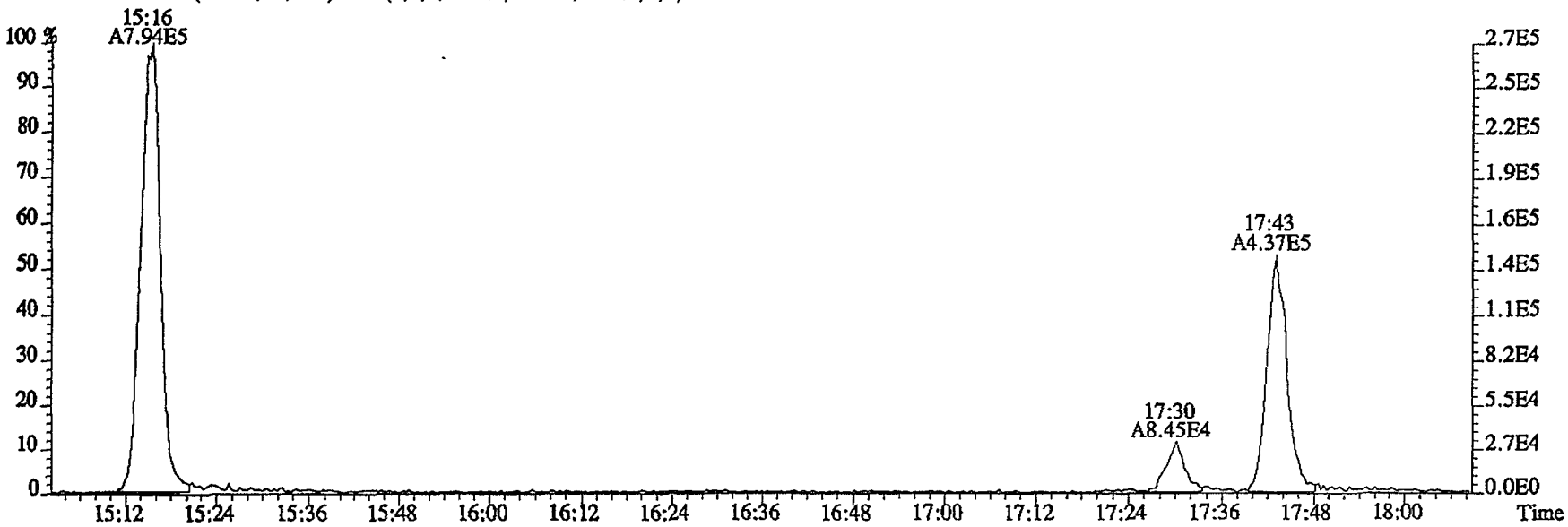
180.9880 S:11



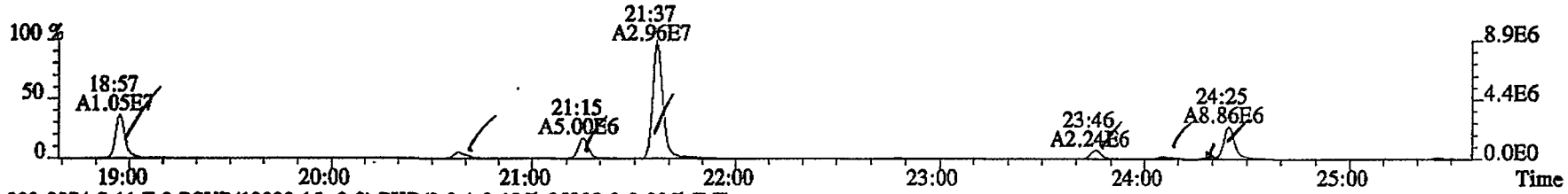
File:040519E1 #1-728 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1476.0,0.00%,F,F)



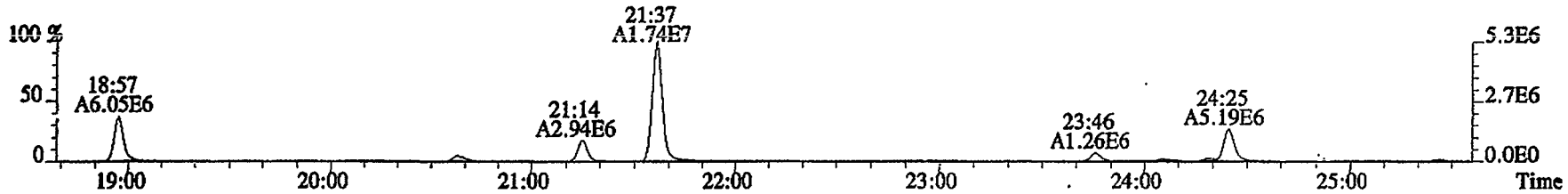
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1092.0,0.00%,F,F)



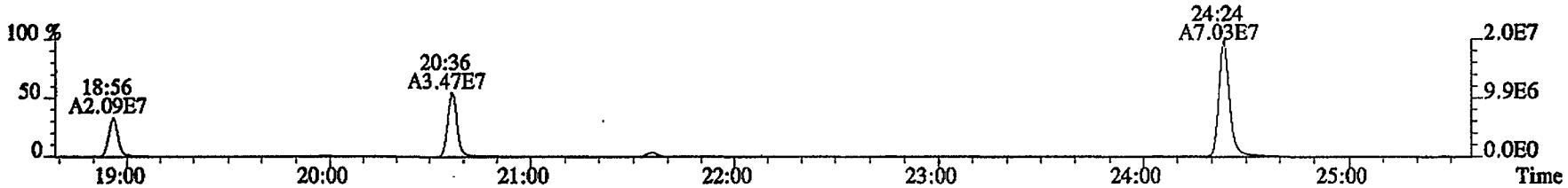
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4460.0,0.00%,F,F)



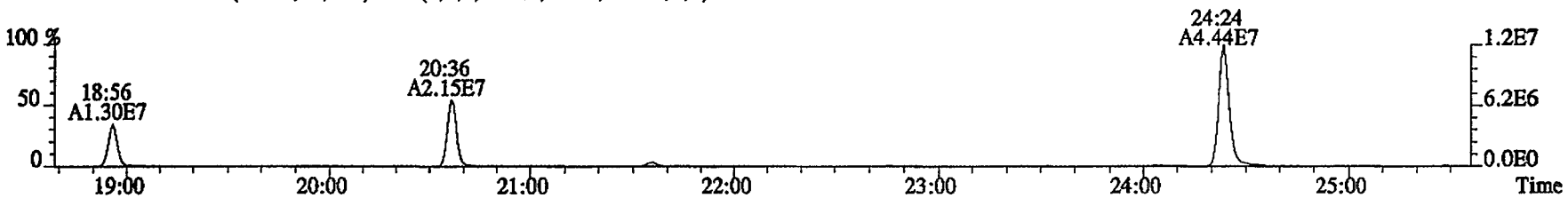
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25308.0,0.00%,F,F)



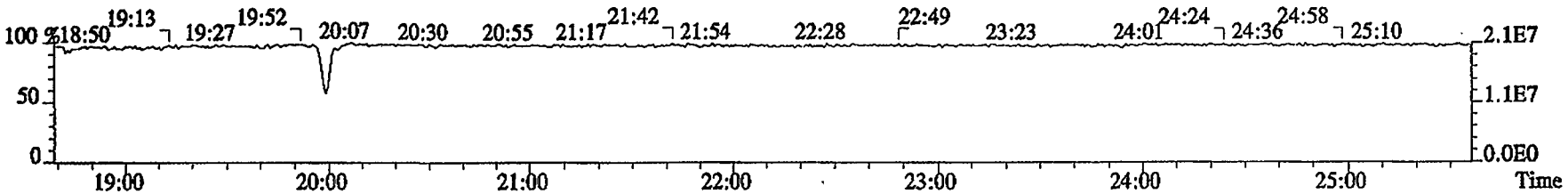
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1376.0,0.00%,F,F)



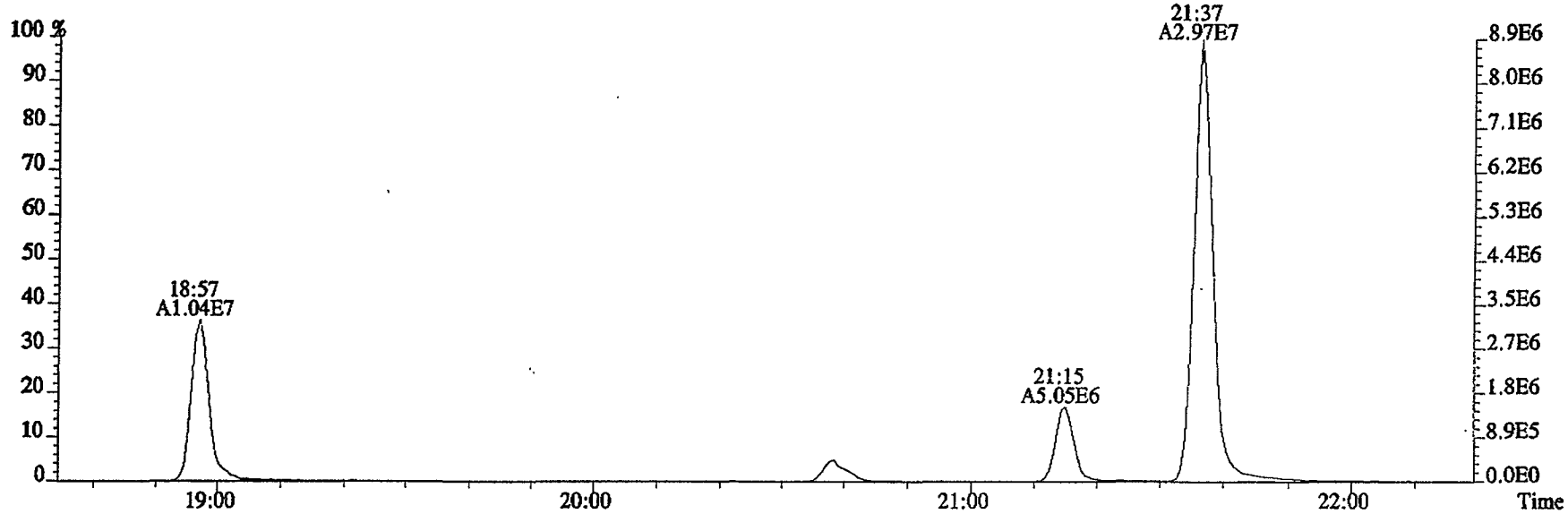
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,812.0,0.00%,F,F)



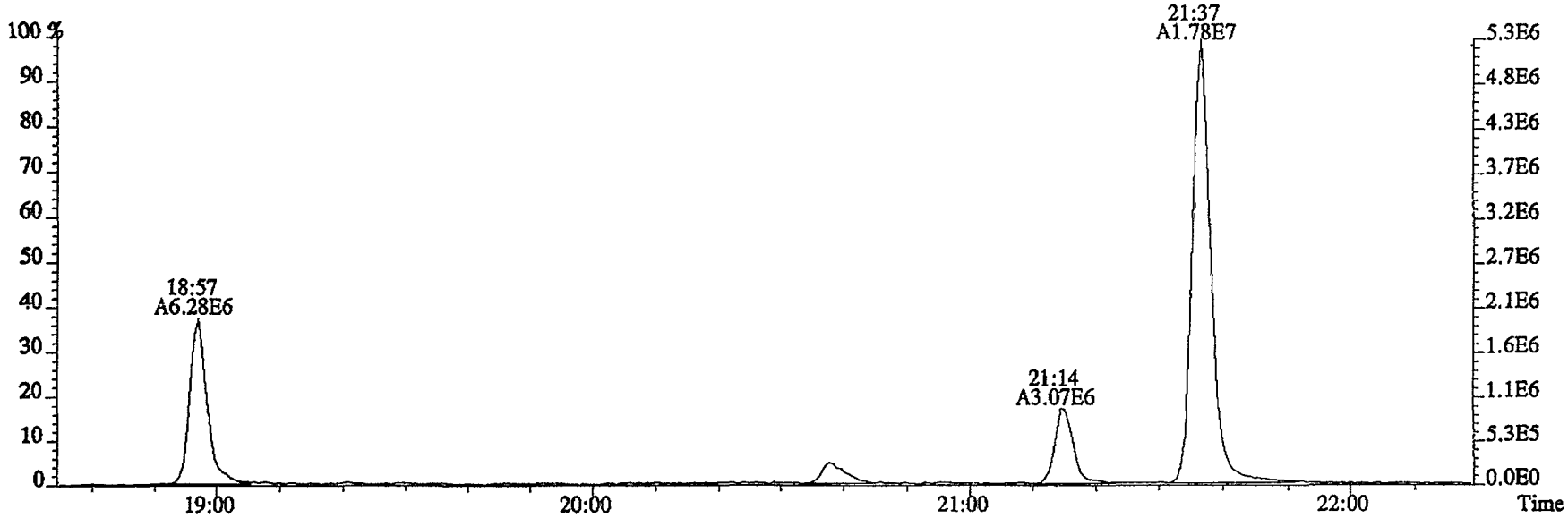
230.9856 S:11 F:2



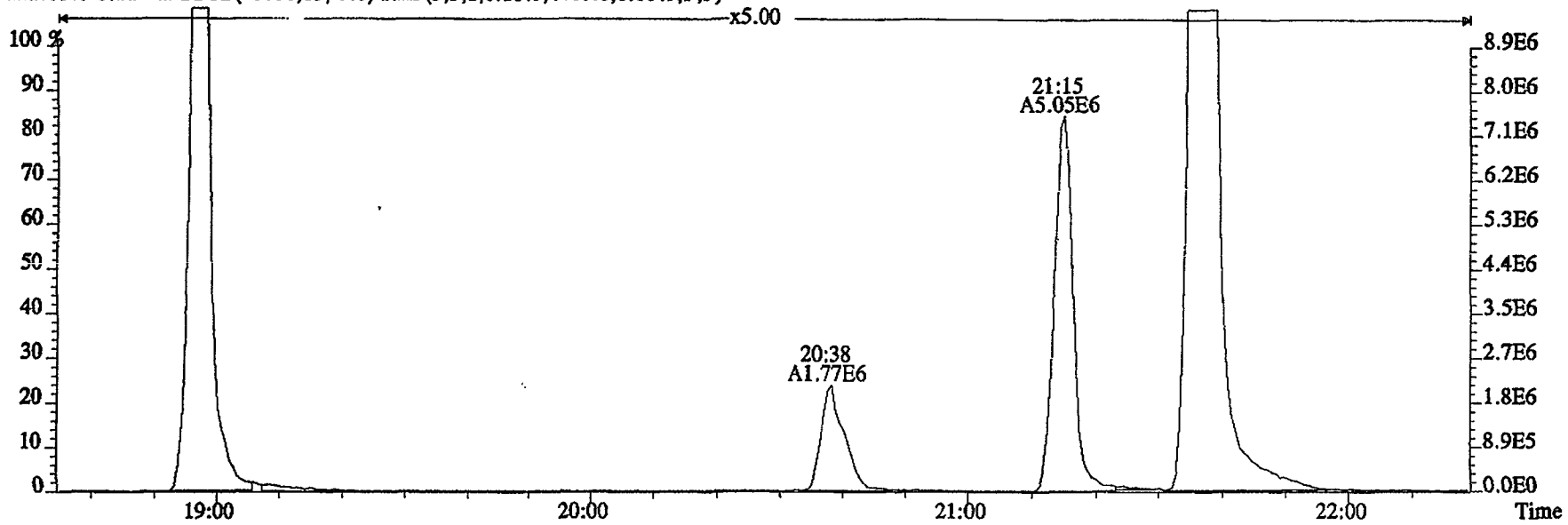
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4460.0,0.00%,F,F)



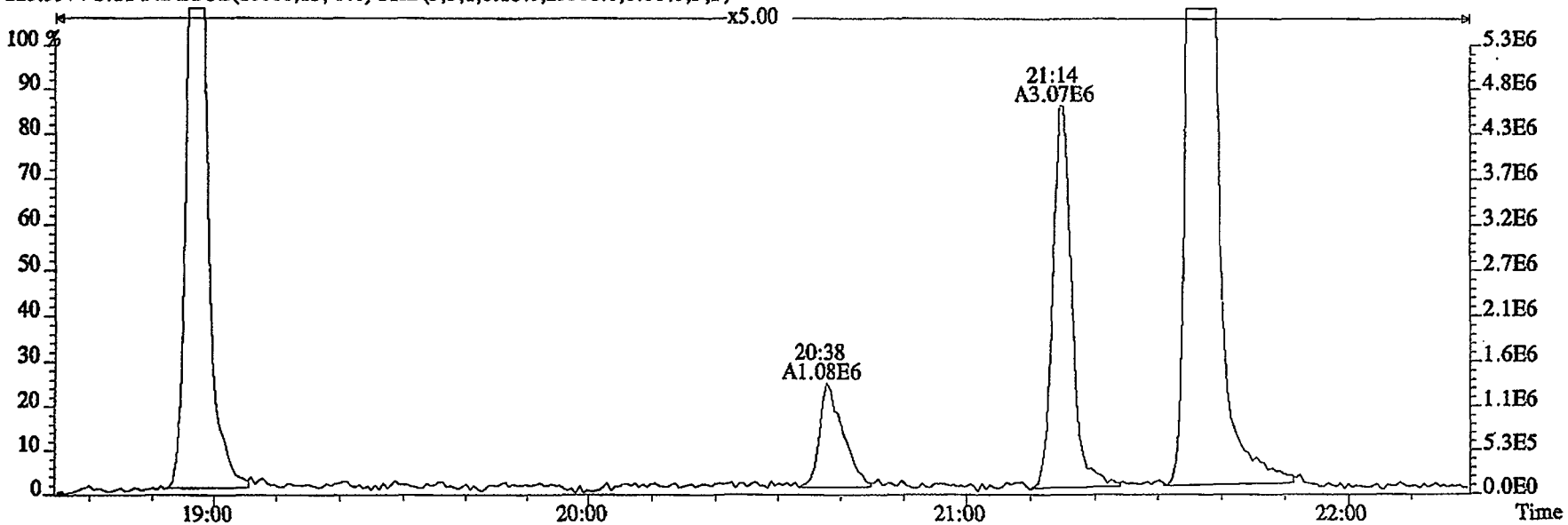
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25308.0,0.00%,F,F)



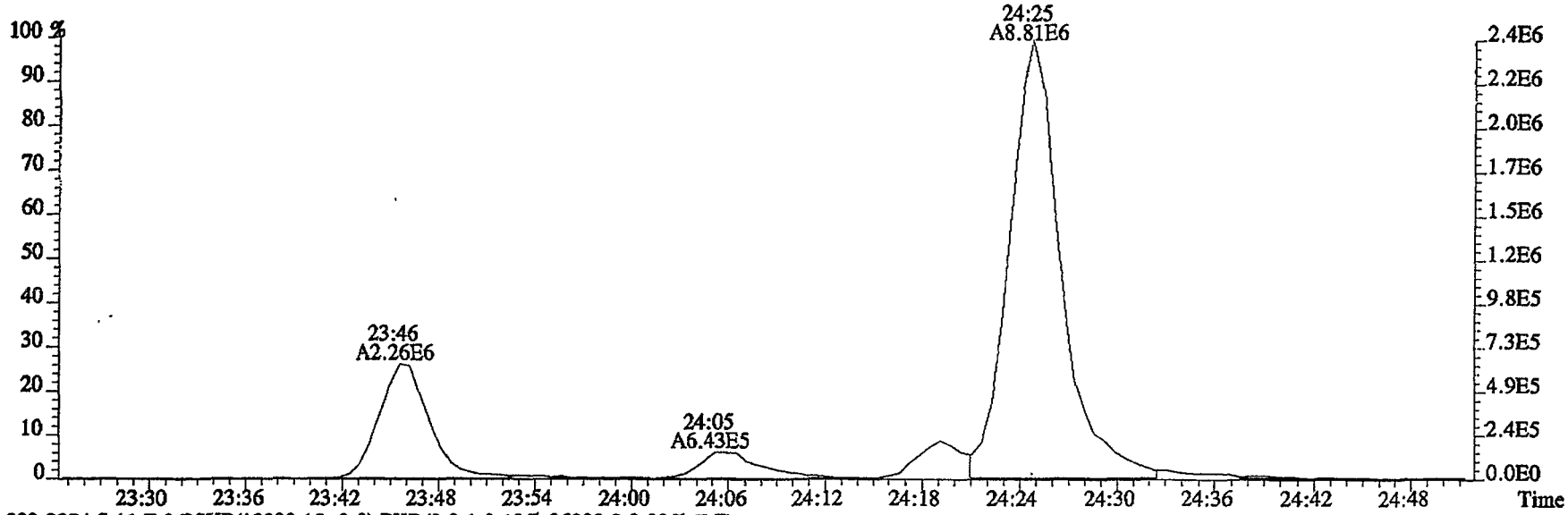
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4460.0,0.00%,F,F)



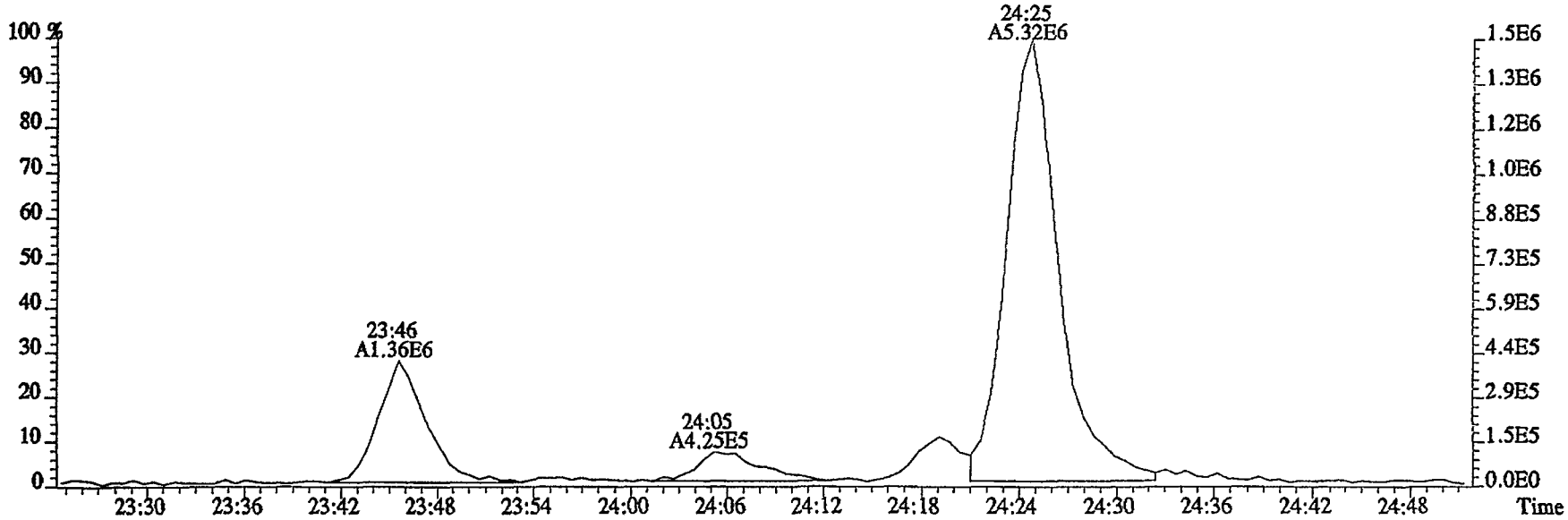
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25308.0,0.00%,F,F)



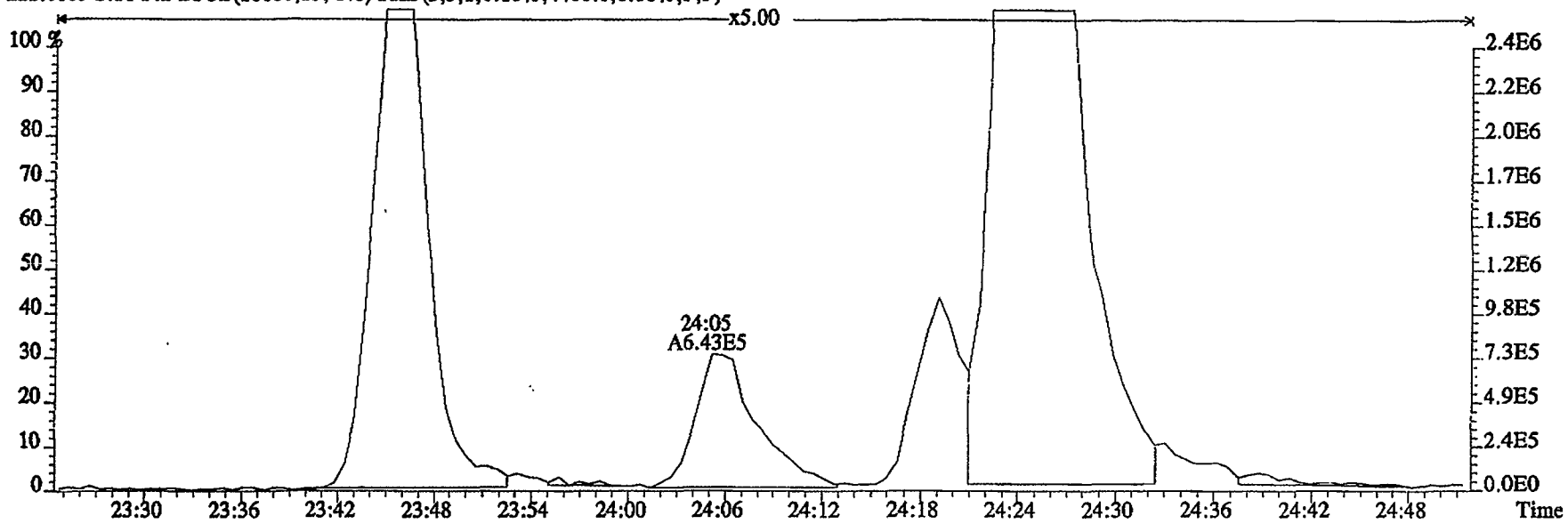
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4460.0,0.00%,F,F)



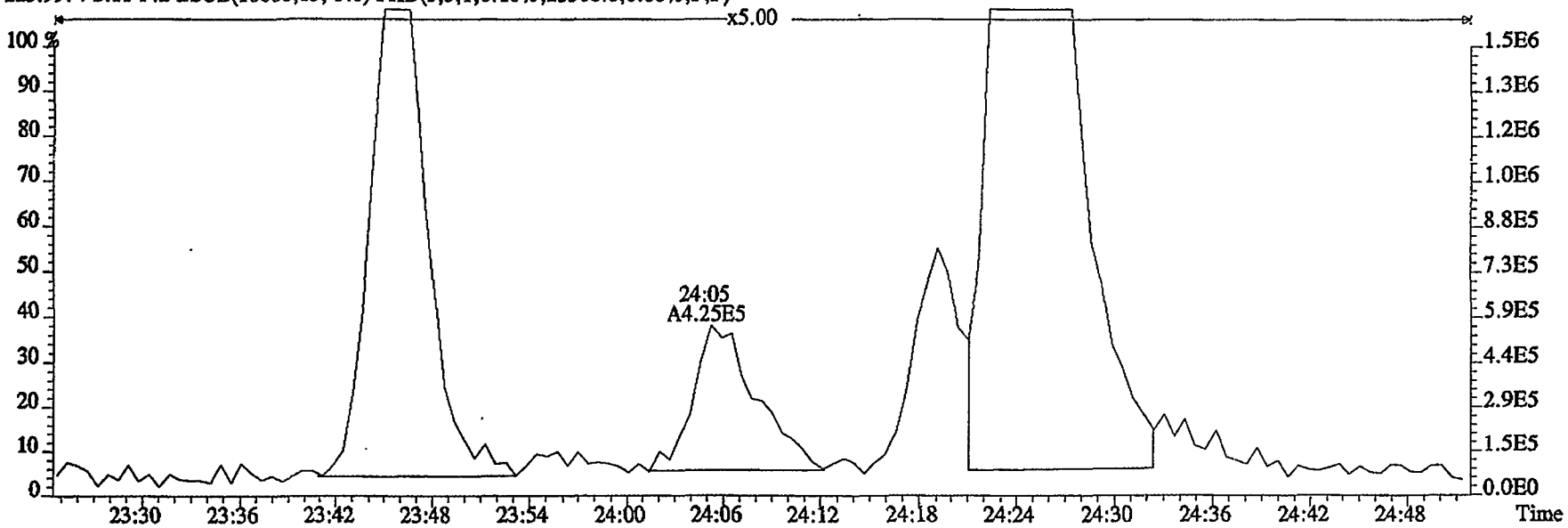
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25308.0,0.00%,F,F)



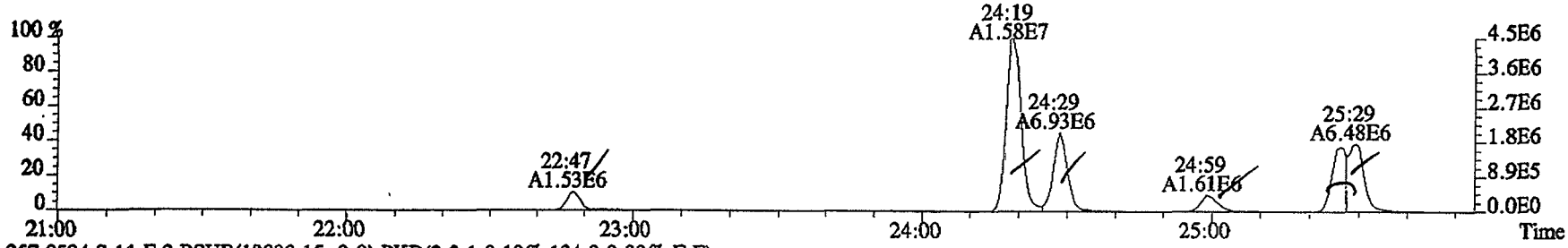
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4460.0,0.00%,F,F)



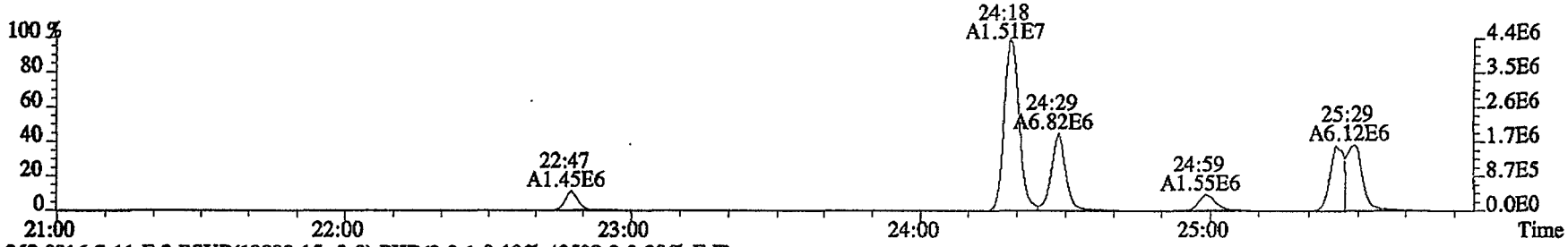
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25308.0,0.00%,F,F)



File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1760.0,0.00%,F,F)

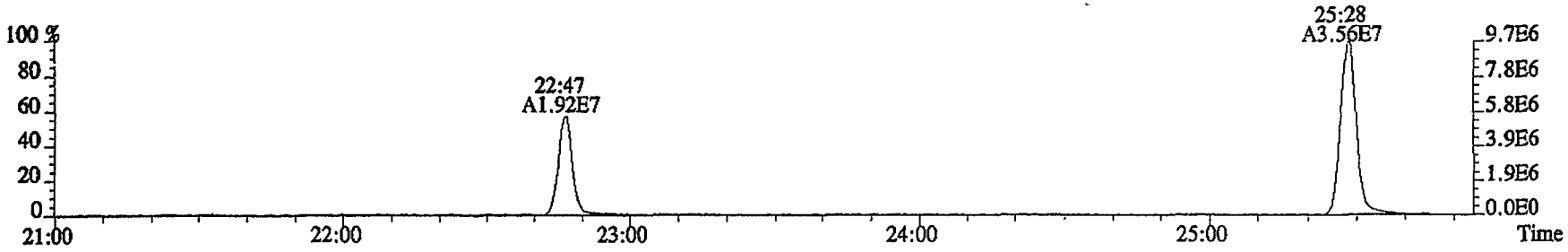


257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)

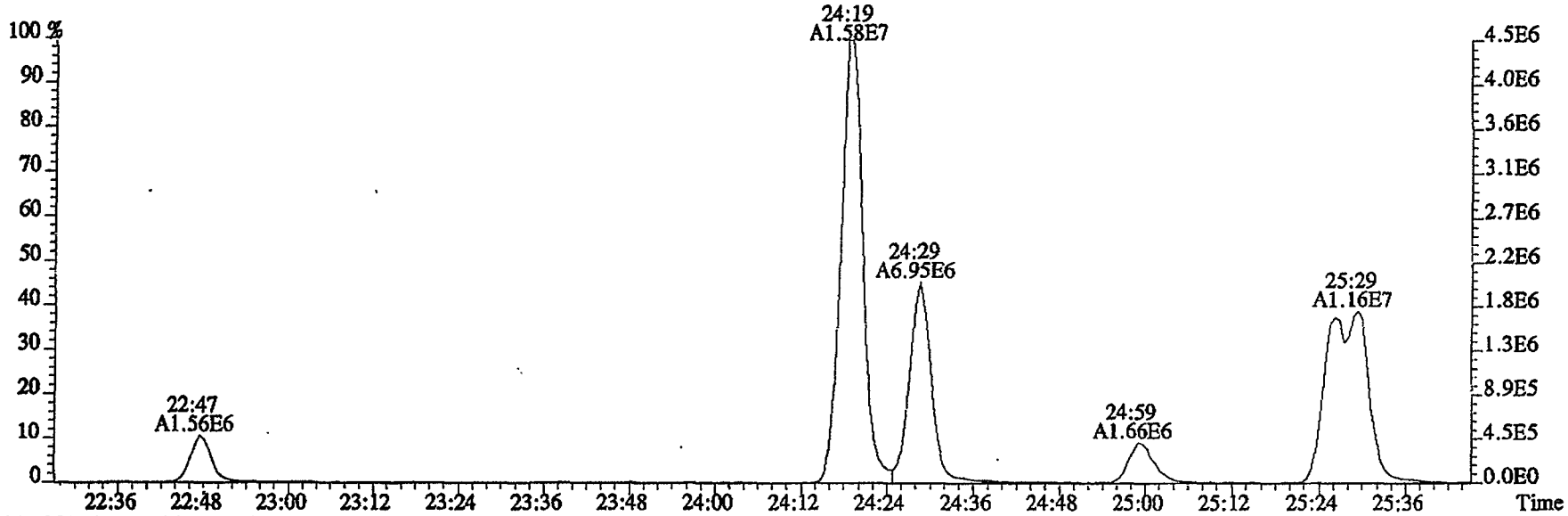


268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,43508.0,0.00%,F,F)

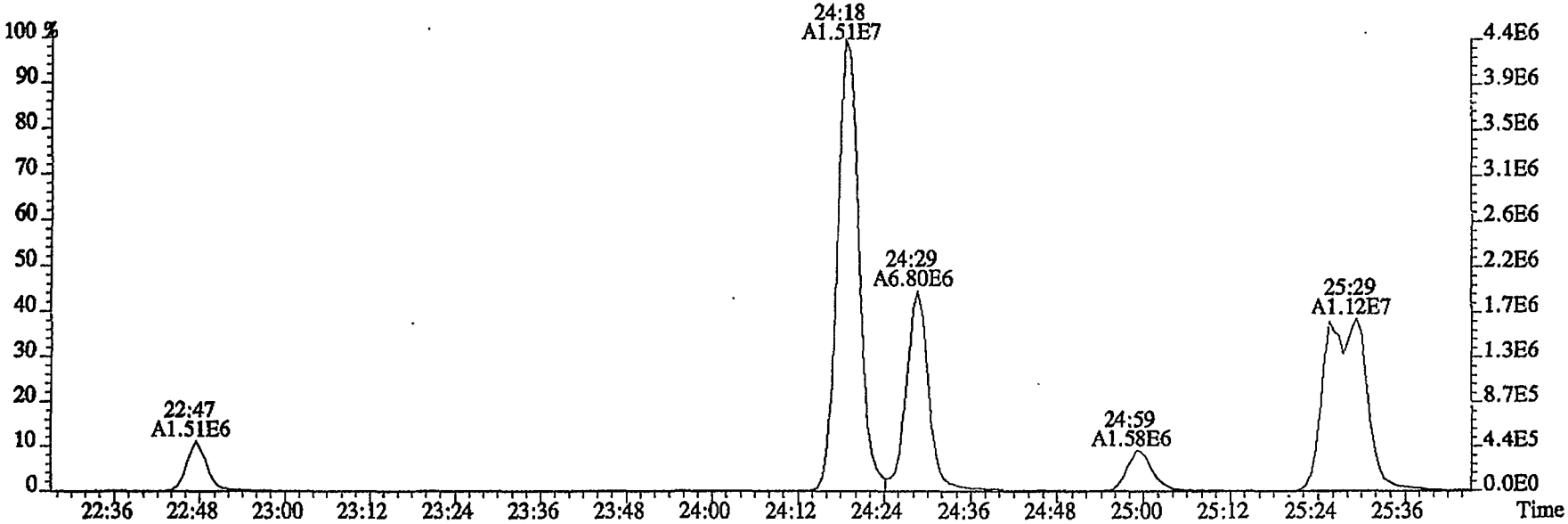
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20024.0,0.00%,F,F)



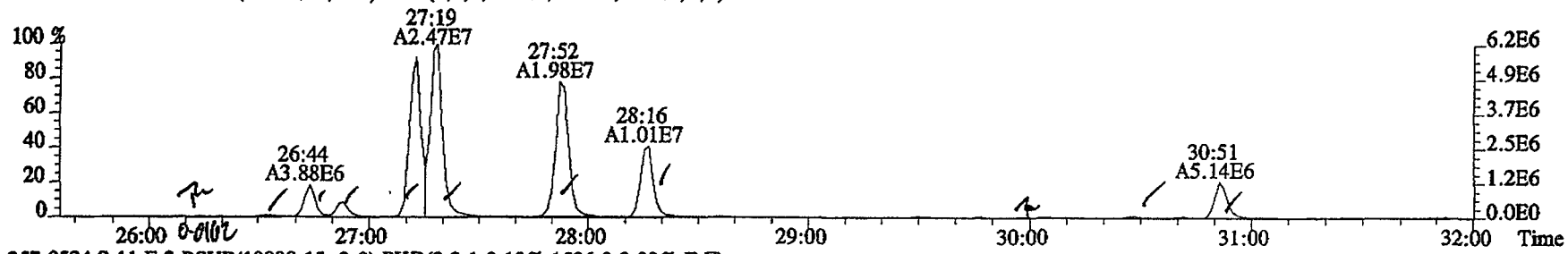
File:040519E1 #1-686 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1760.0,0.00%,F,F)



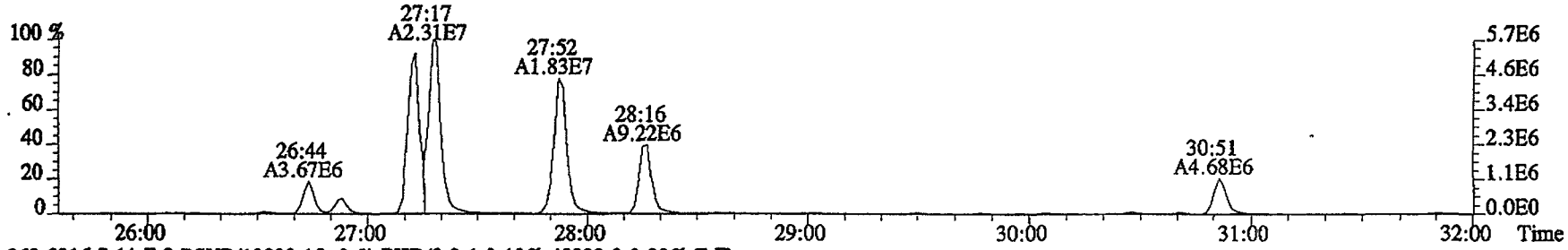
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,F)



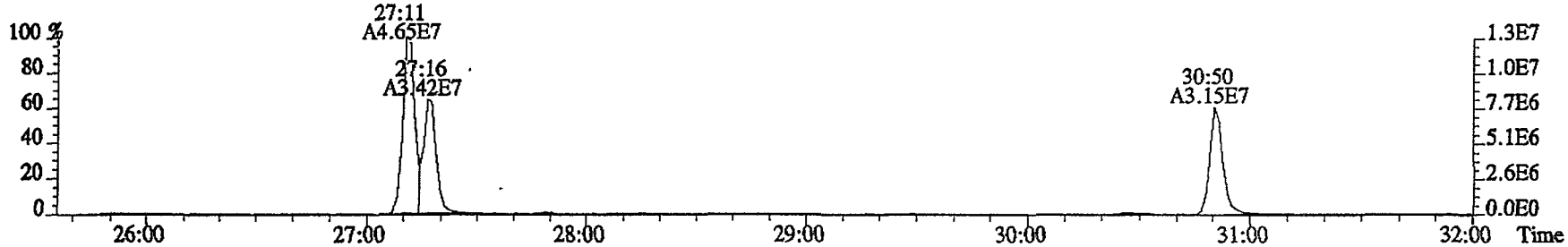
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990 5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2888.0,0.00%,F,F)



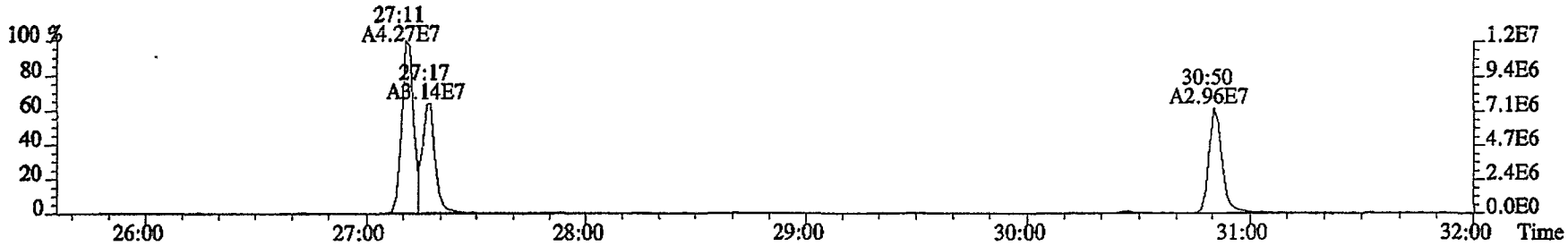
257.9584 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1596.0,0.00%,F,F)



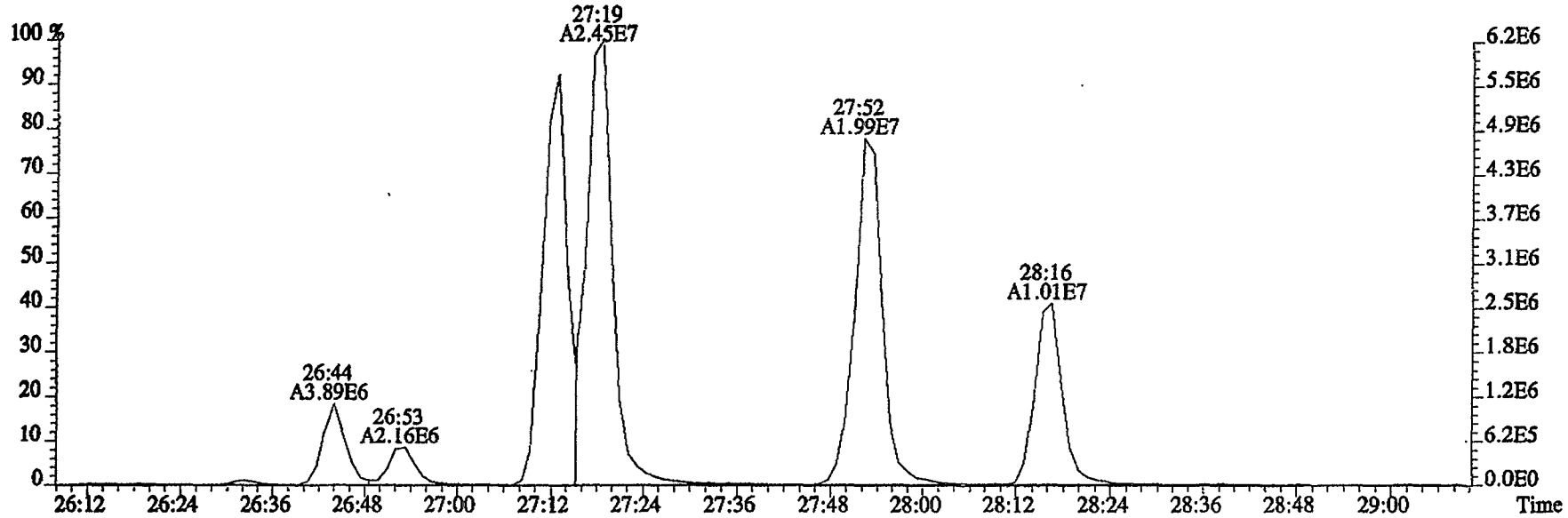
268.0016 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,48232.0,0.00%,F,F)



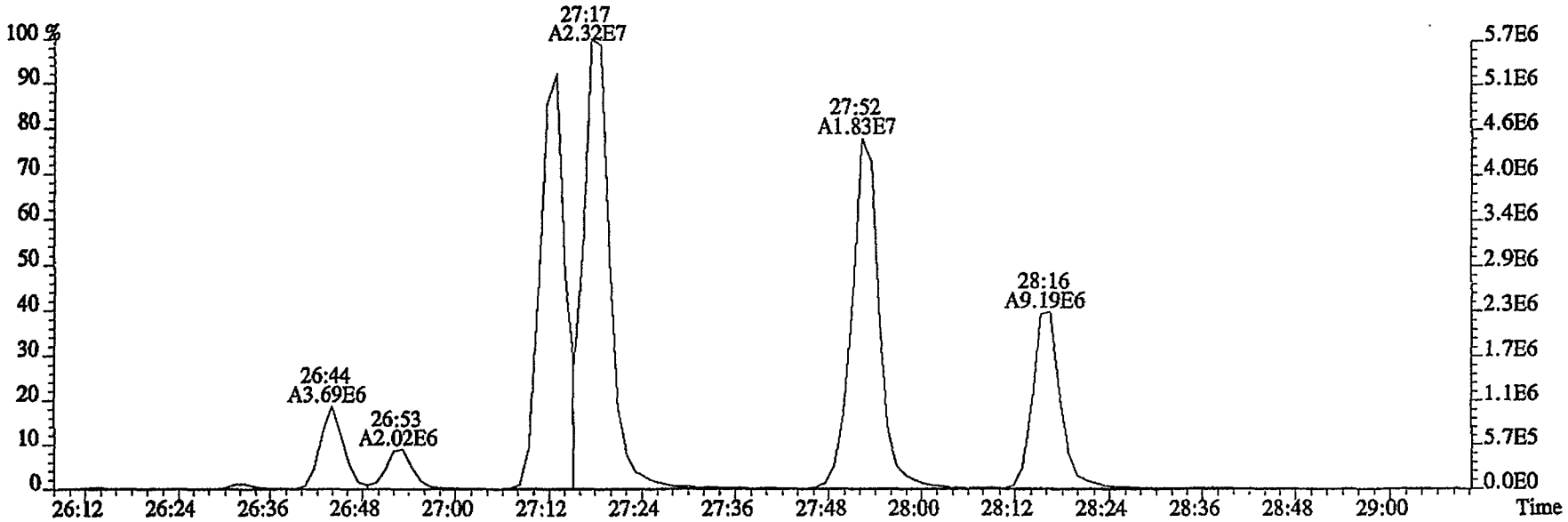
269.9986 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16704.0,0.00%,F,F)



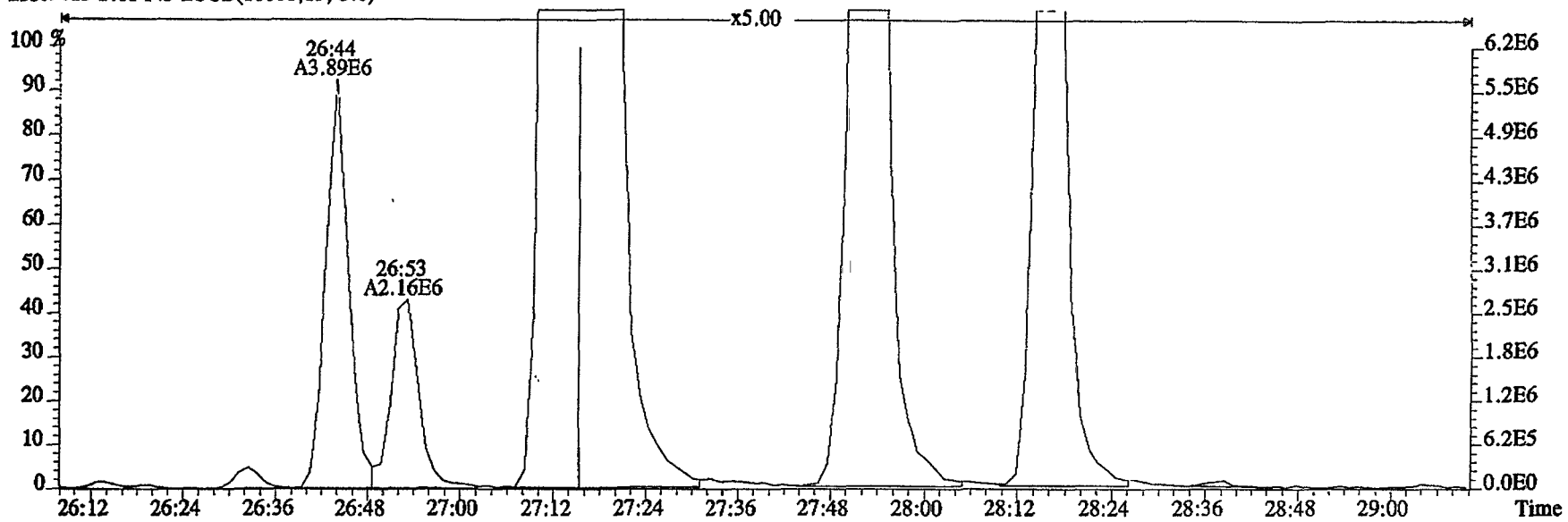
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0)



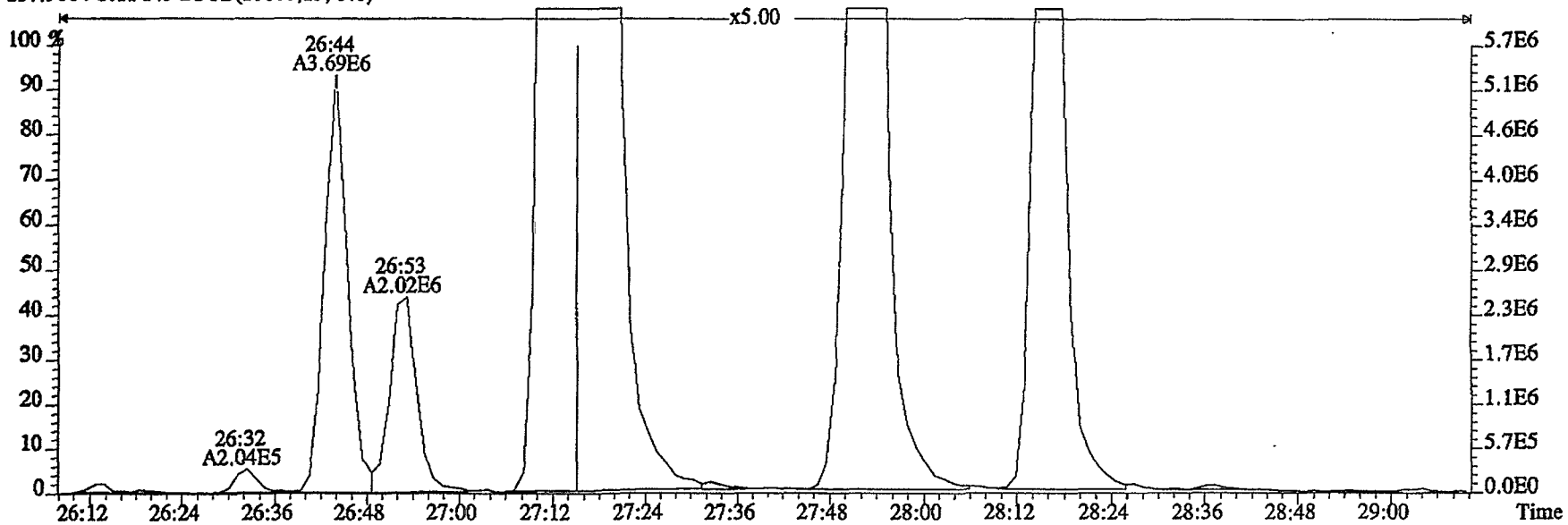
257.9584 S:11 F:3 BSUB(10000,15,-3.0)



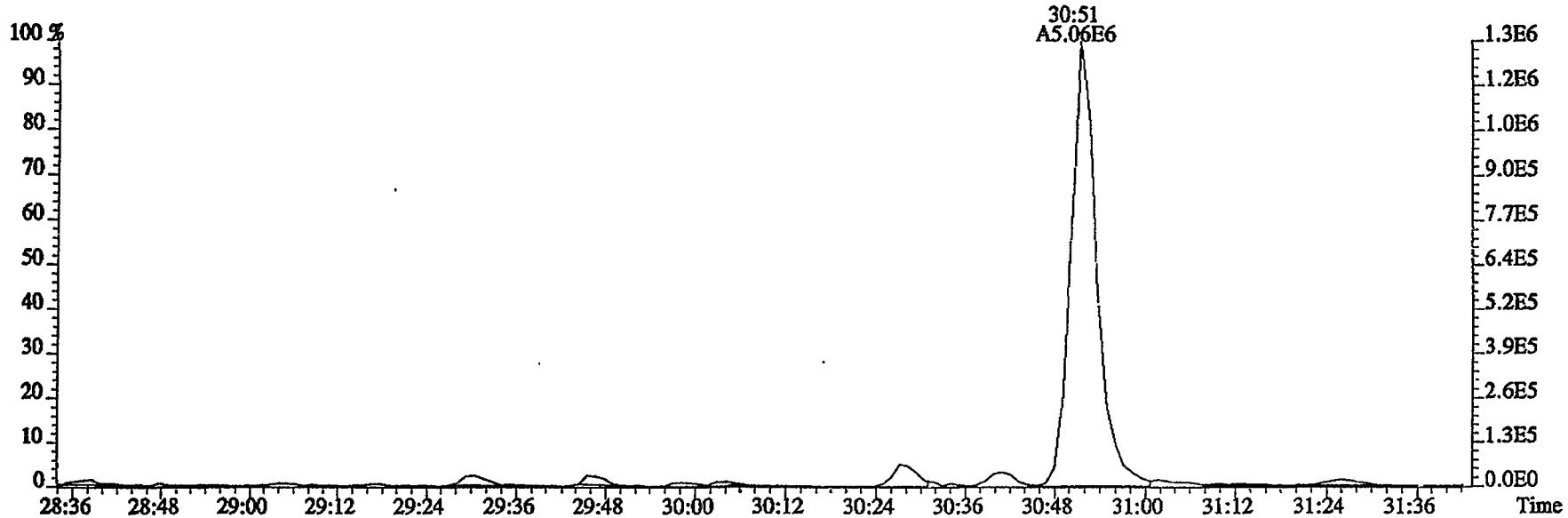
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0)



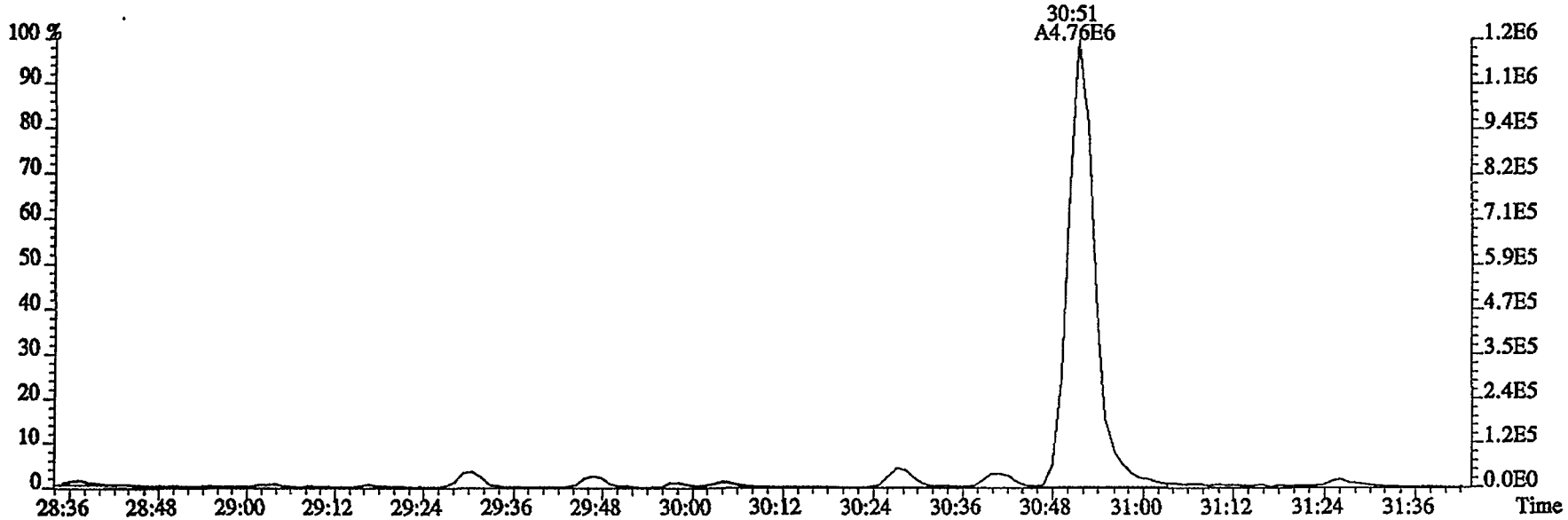
257.9584 S:11 F:3 BSUB(10000,15,-3.0)



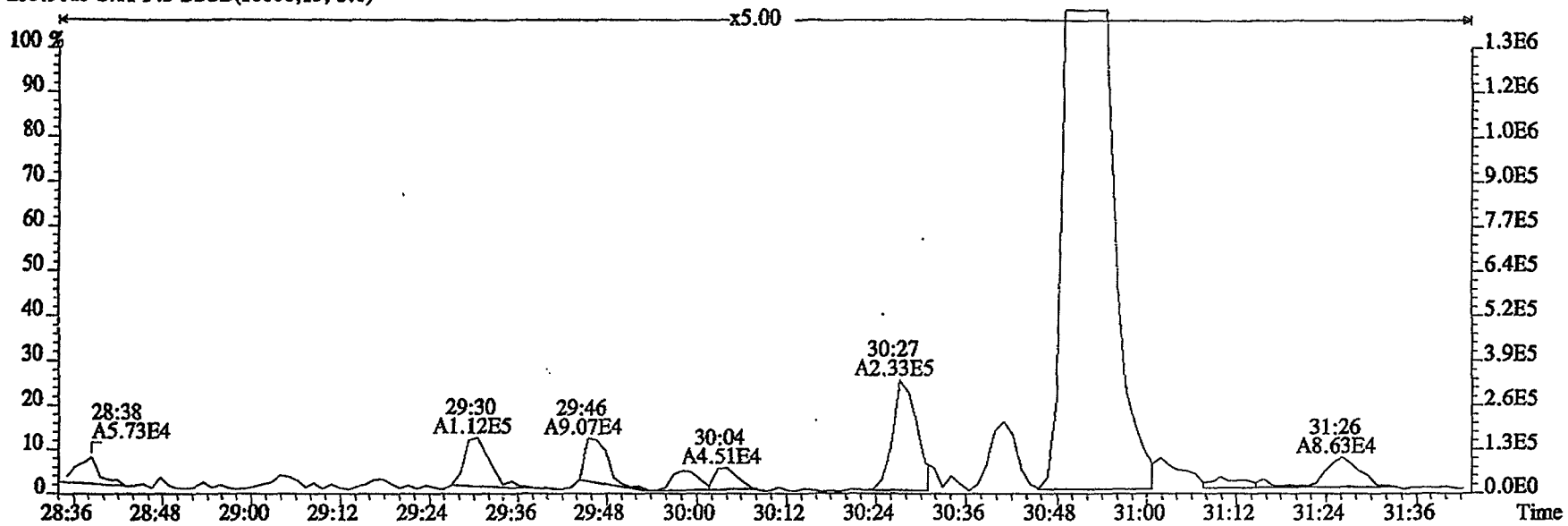
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0)



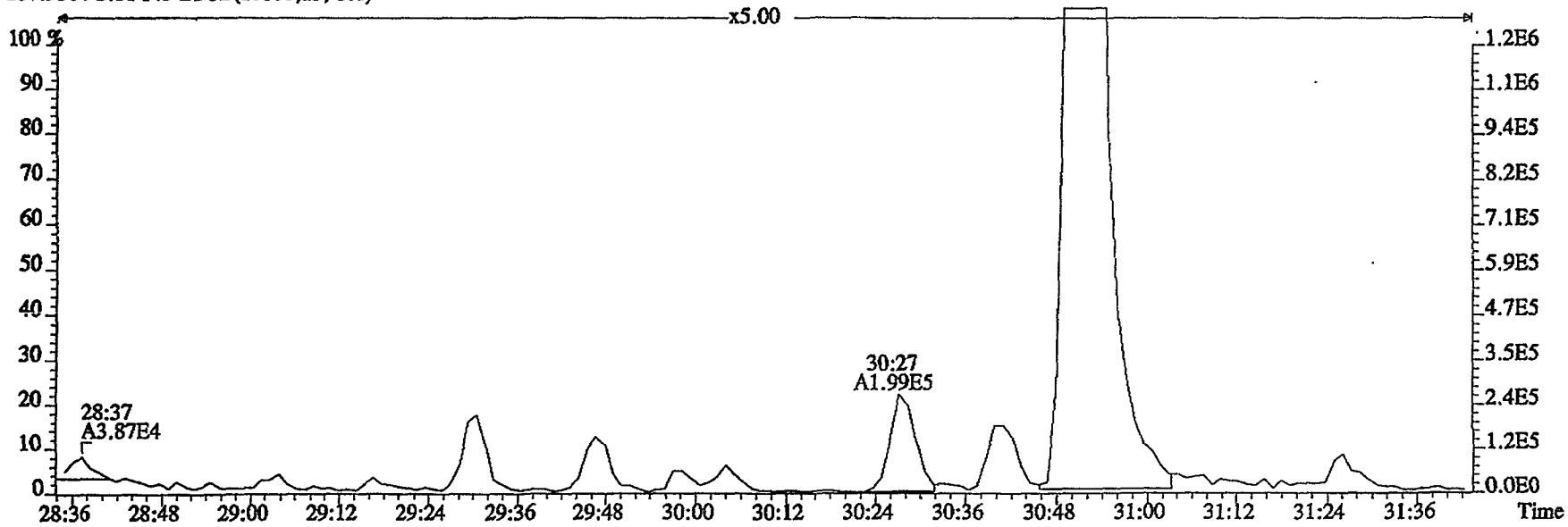
257.9584 S:11 F:3 BSUB(10000,15,-3.0)



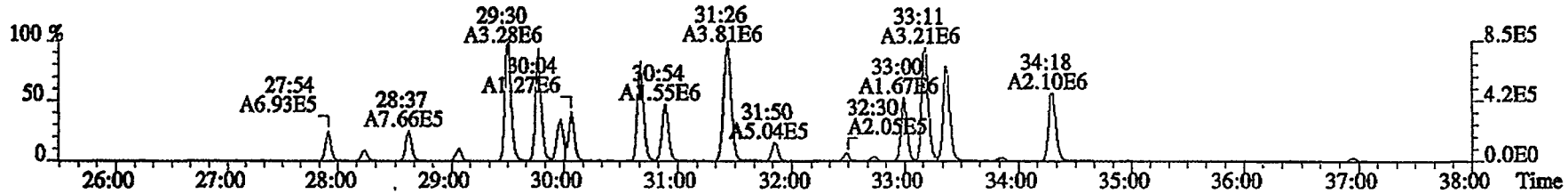
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0)



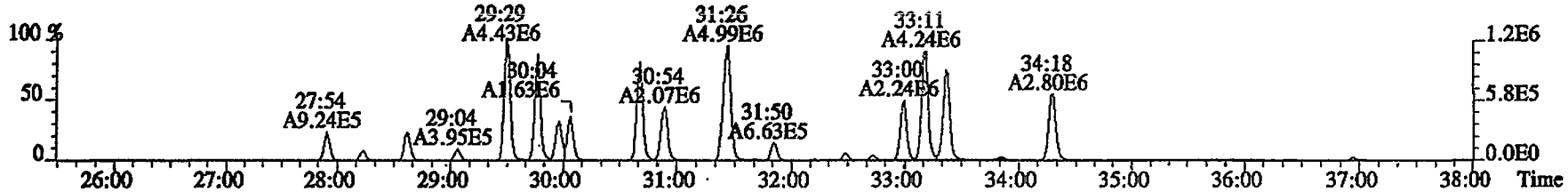
257.9584 S:11 F:3 BSUB(10000,15,-3.0)



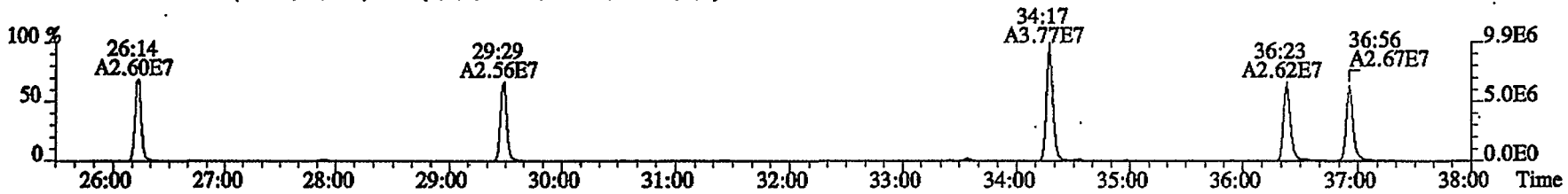
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



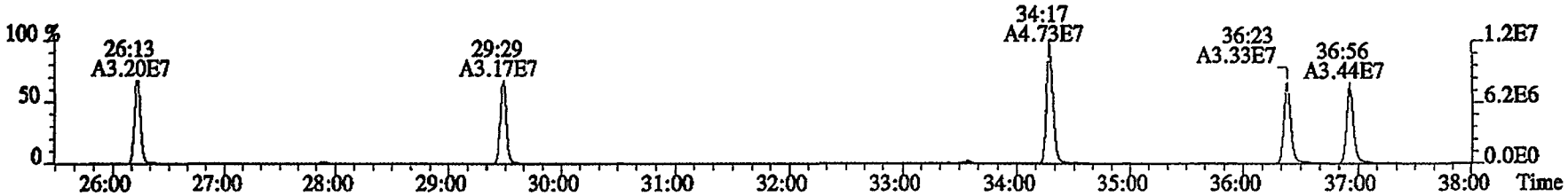
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



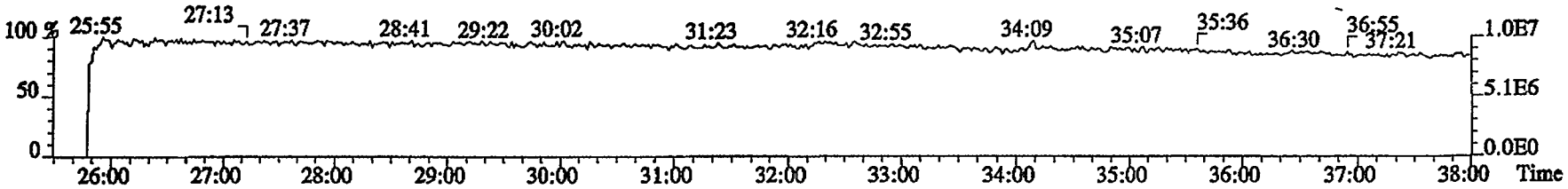
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3612.0,0.00%,F,F)



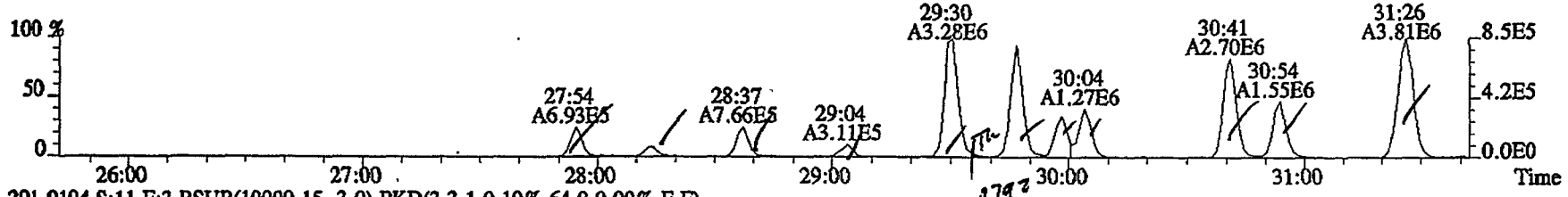
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



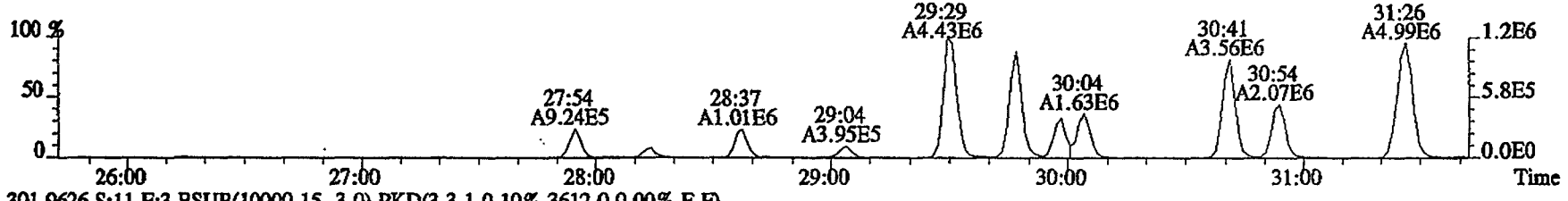
330.9792 S:11 F:3



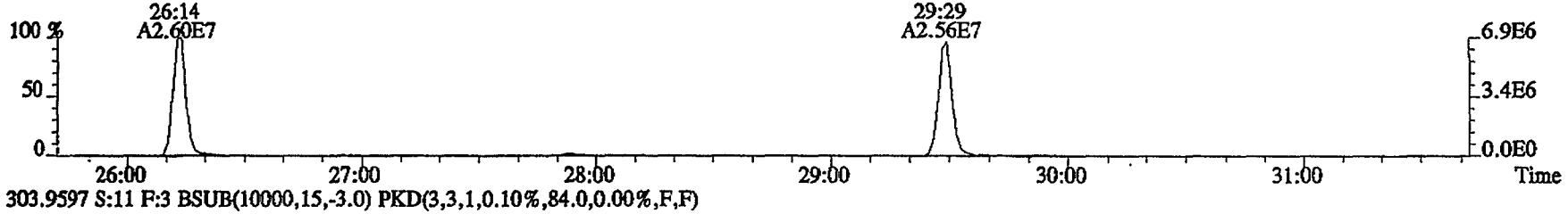
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



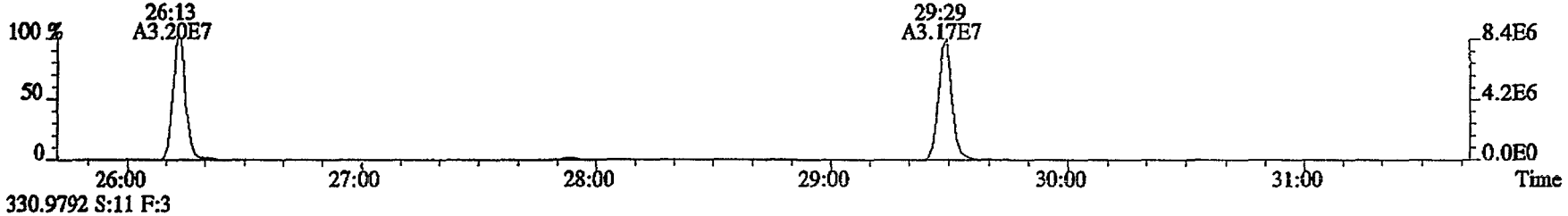
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3612.0,0.00%,F,F)

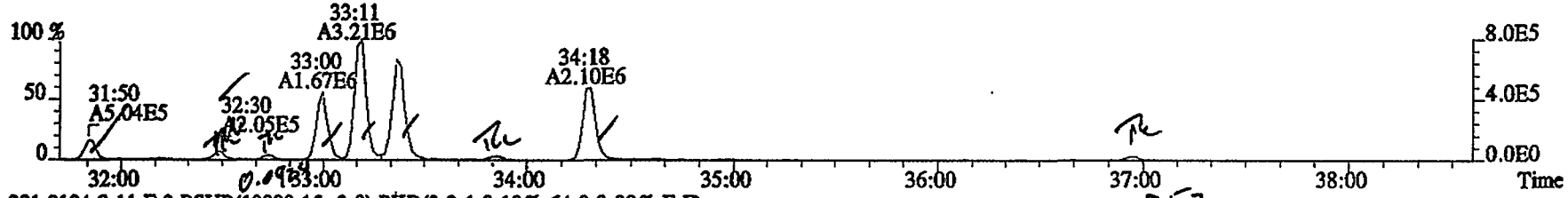


303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)

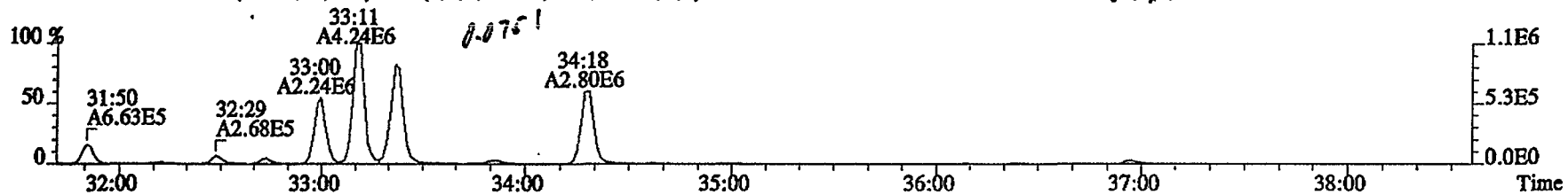


330.9792 S:11 F:3

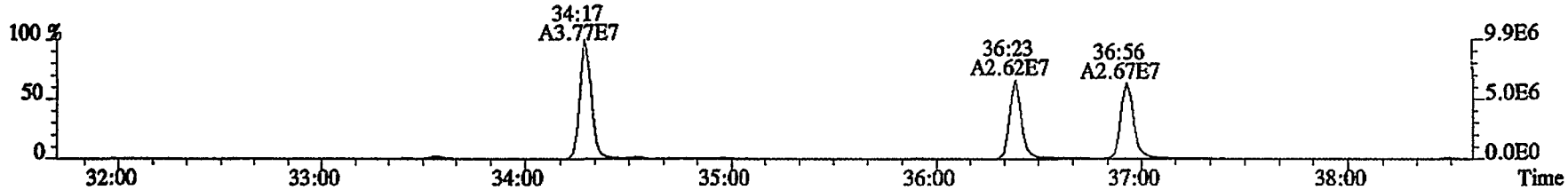
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



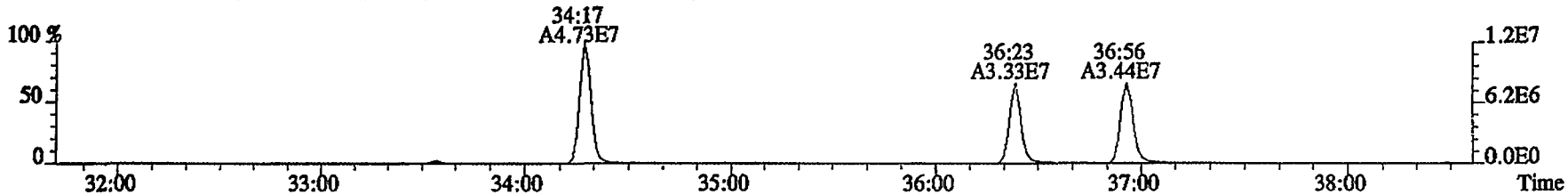
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



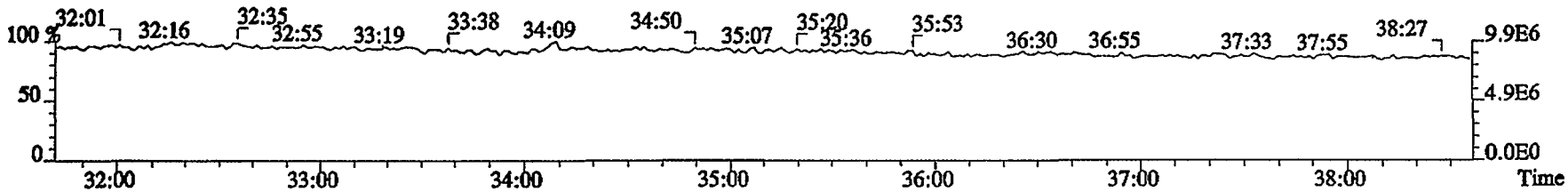
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3612.0,0.00%,F,F)



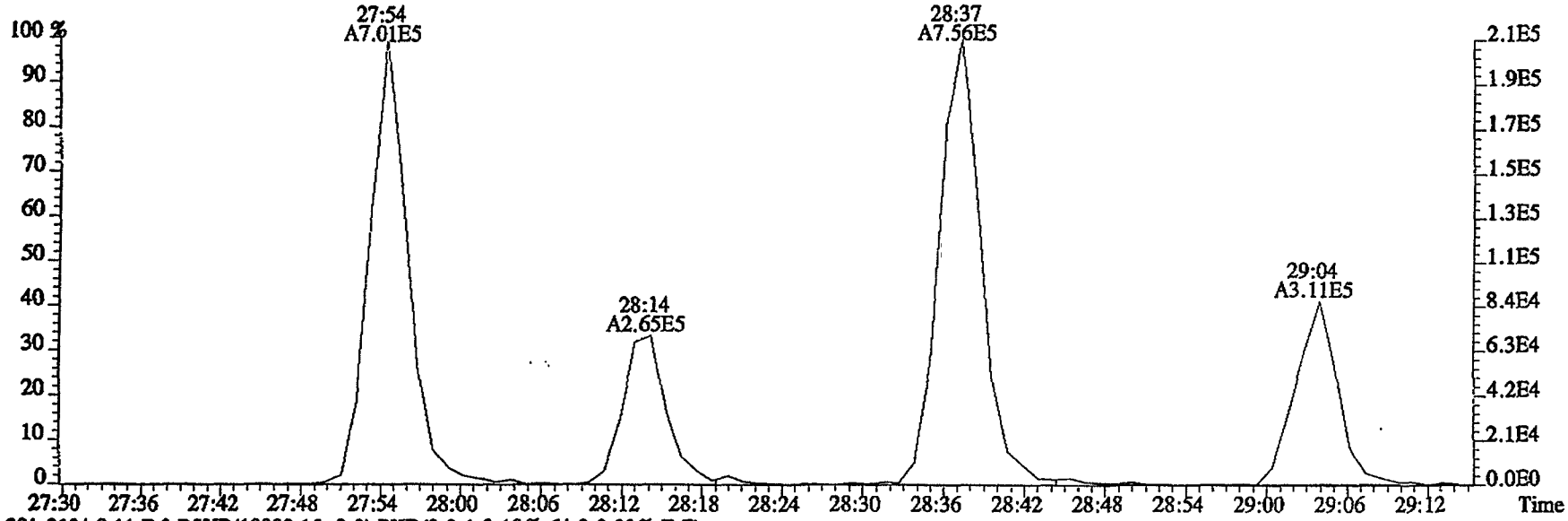
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



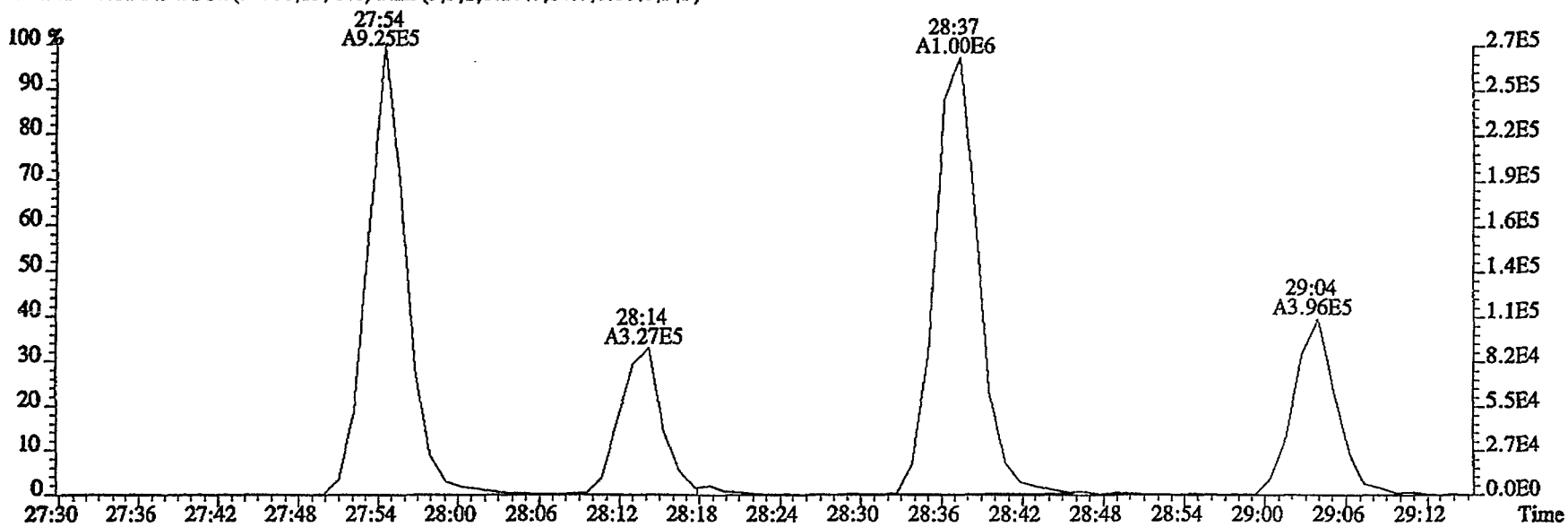
330.9792 S:11 F:3



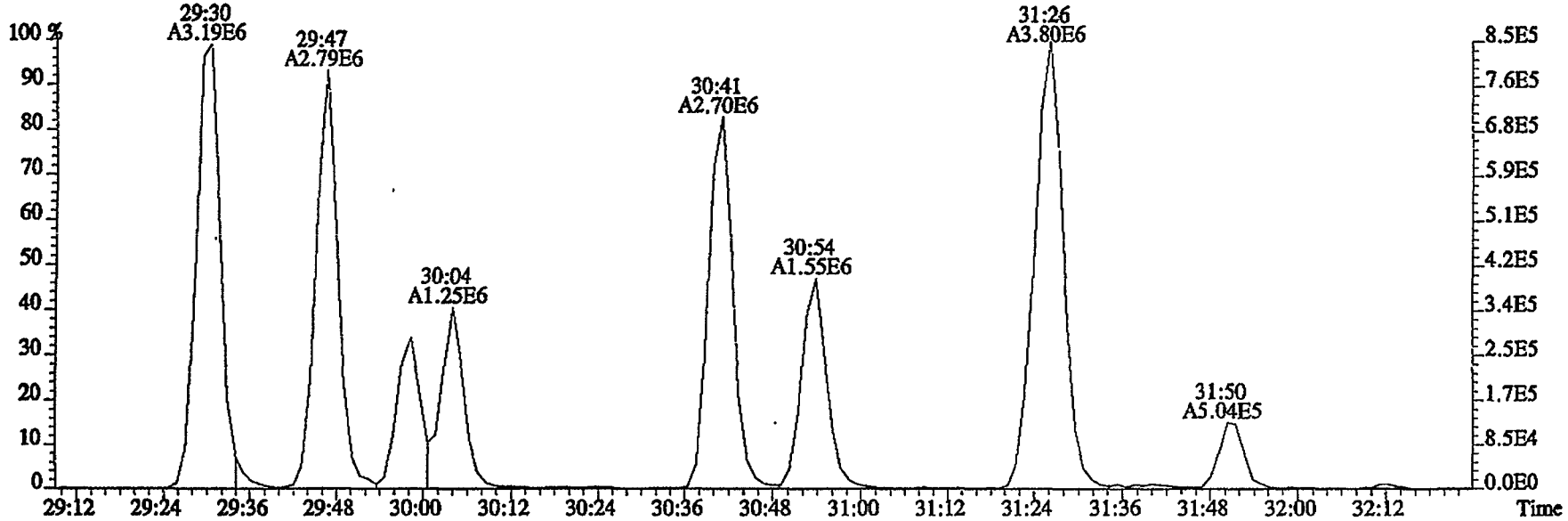
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



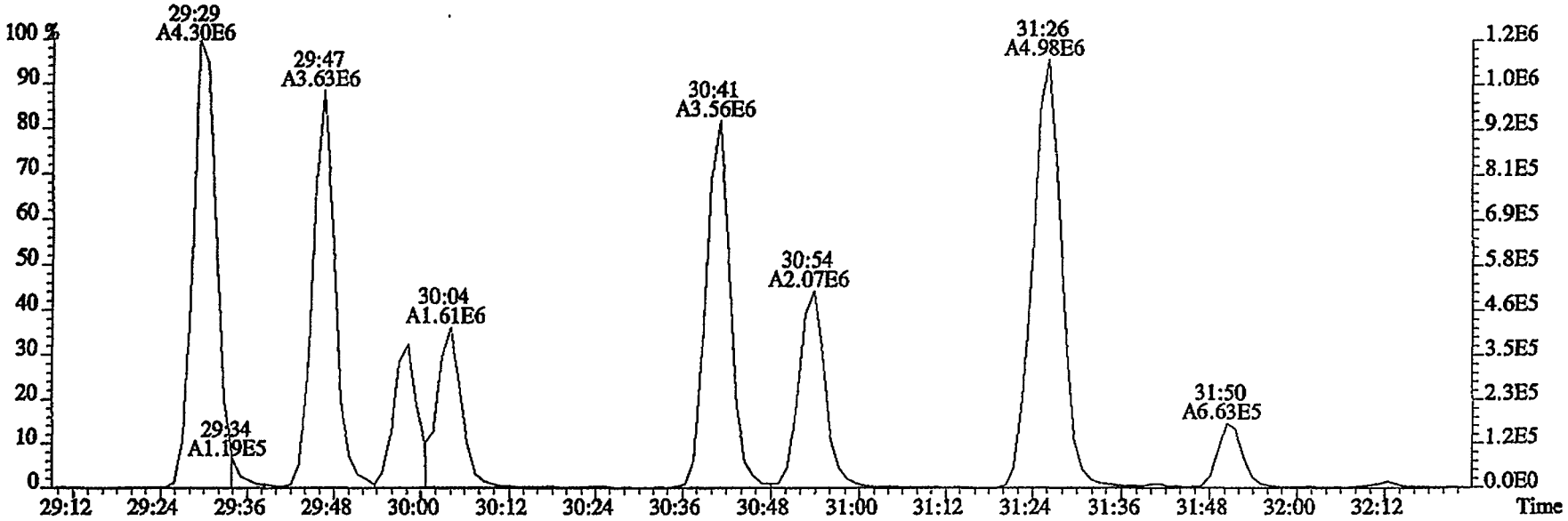
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



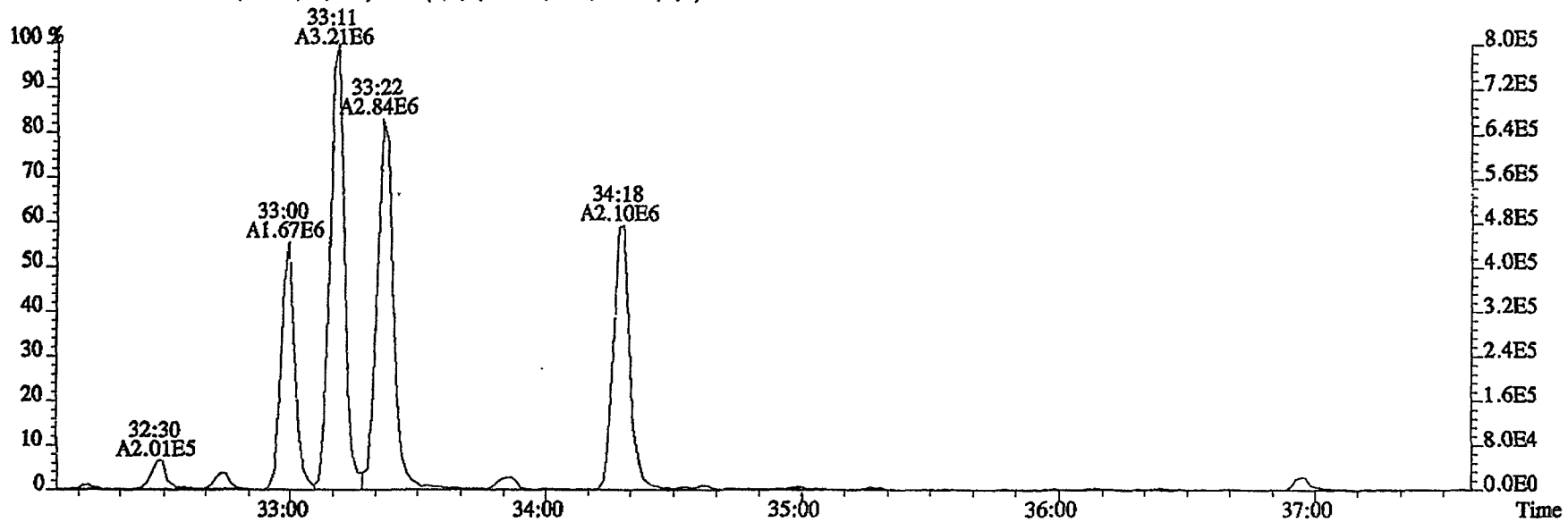
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



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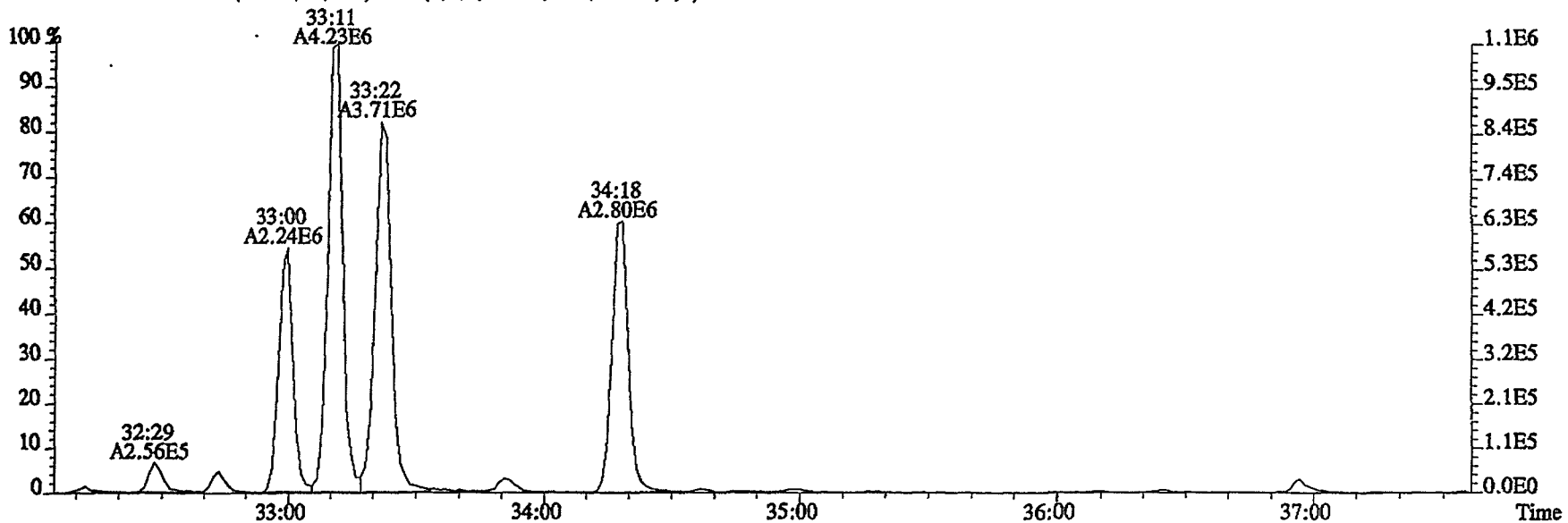
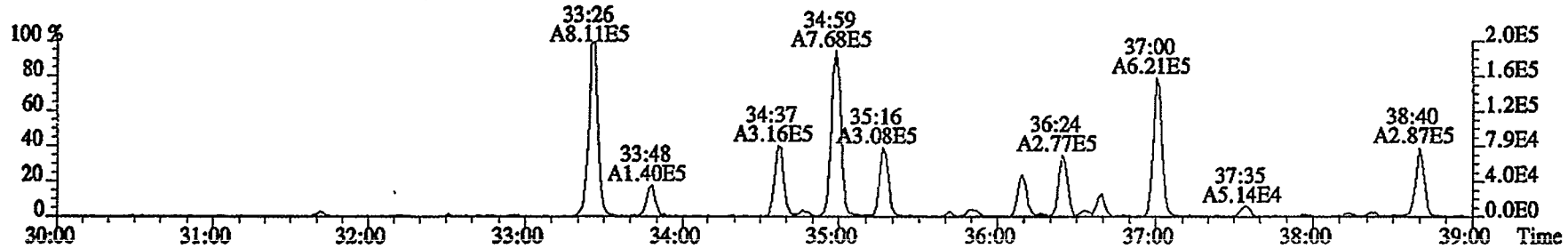
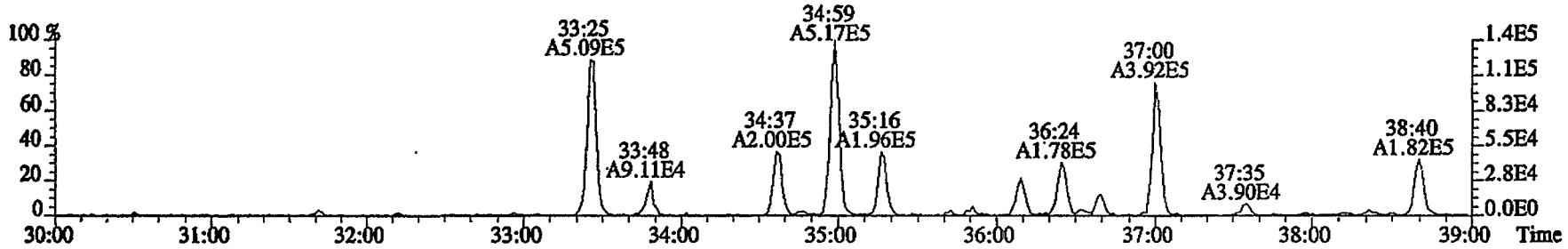


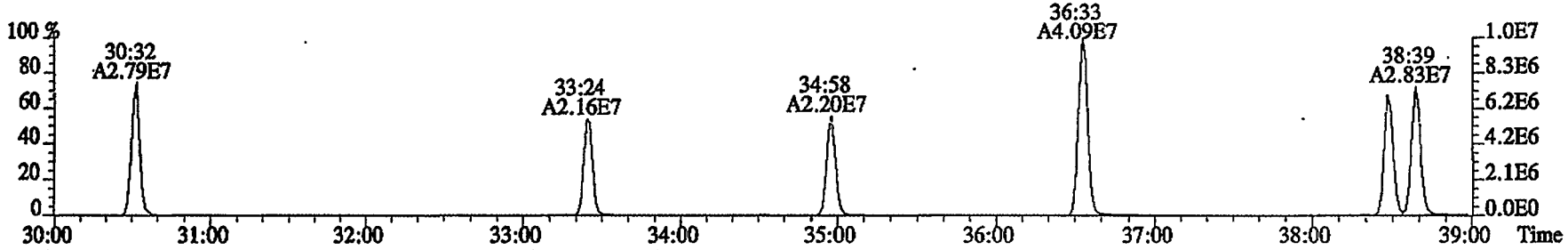
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



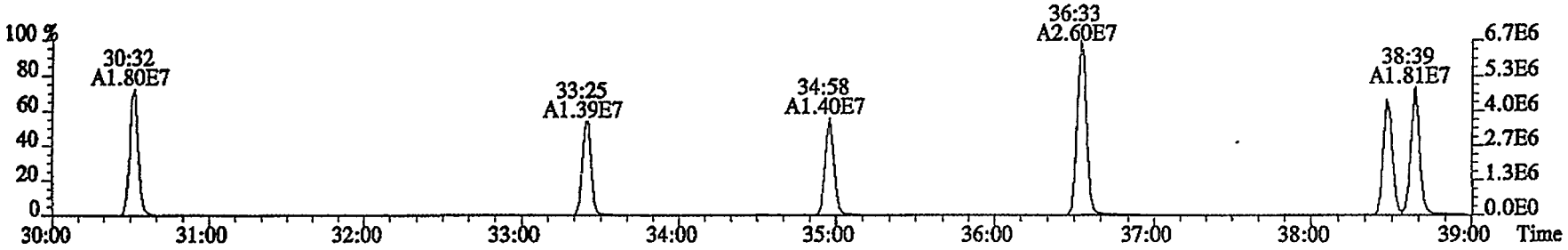
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



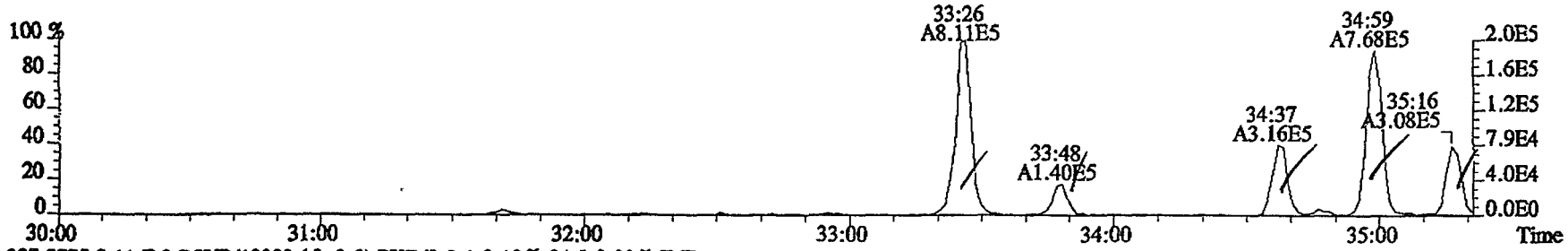
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



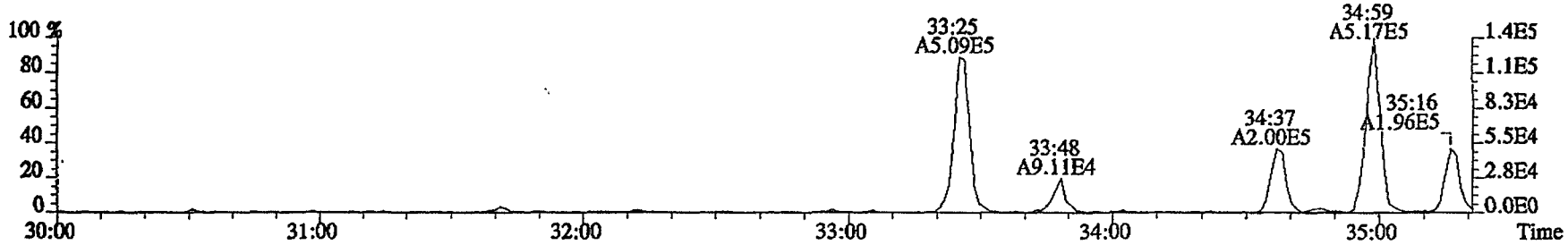
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



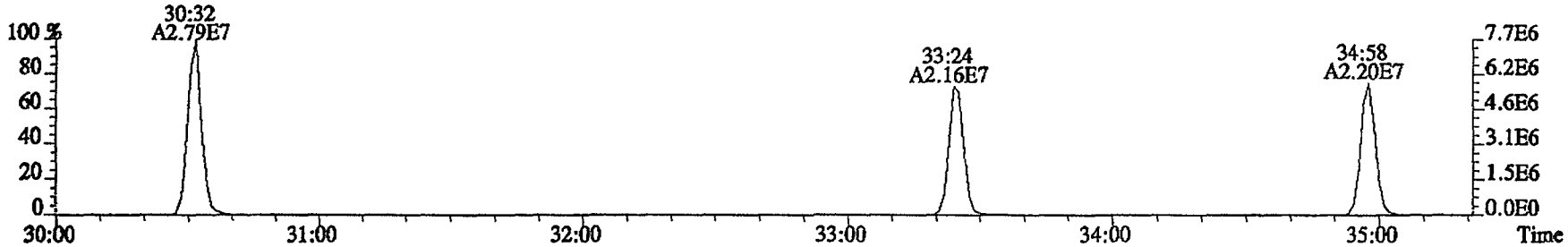
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



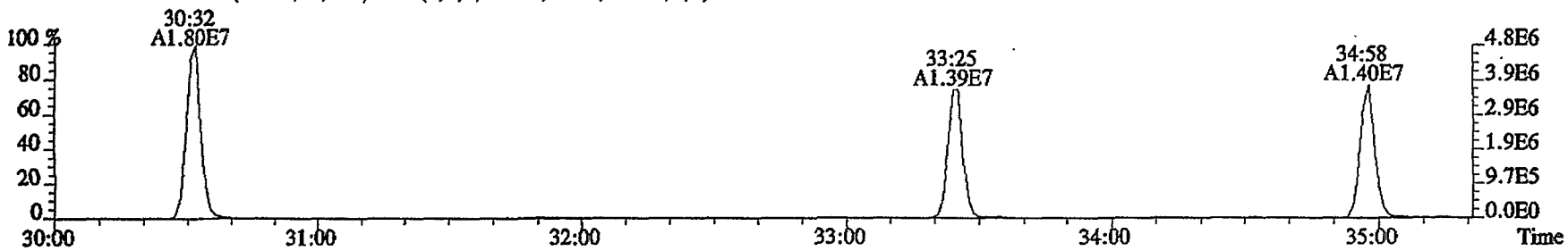
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



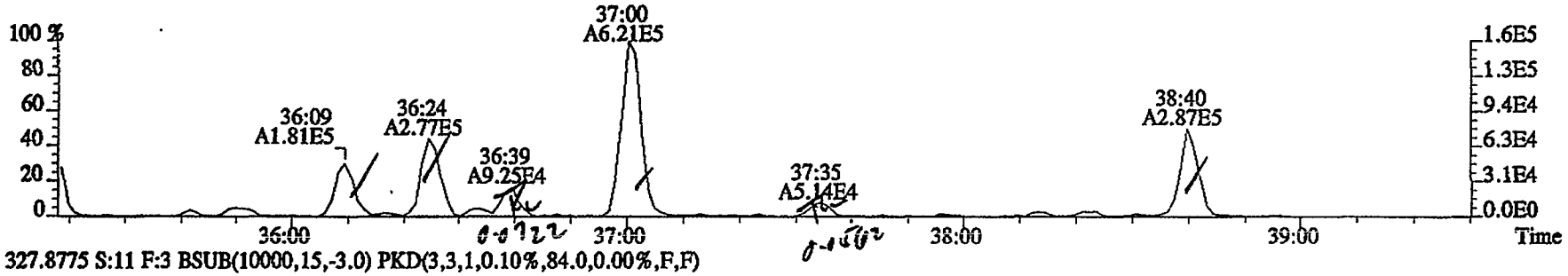
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



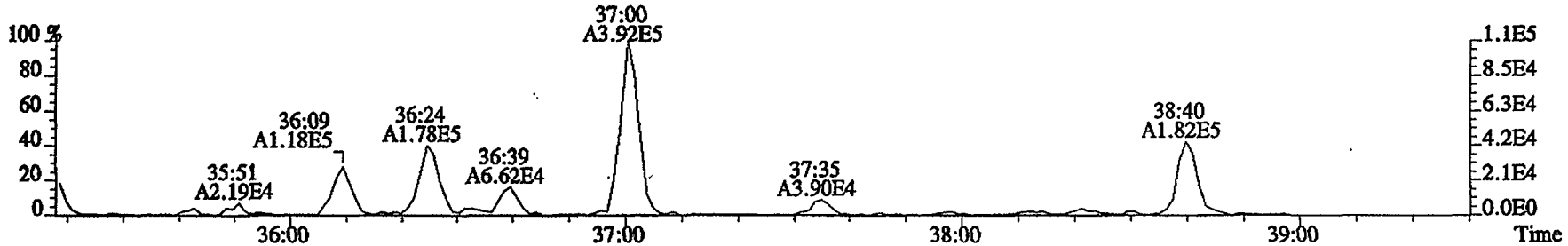
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



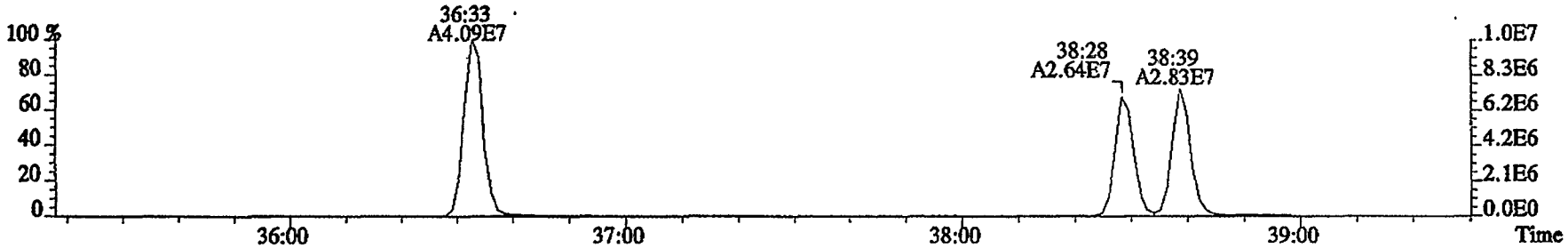
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



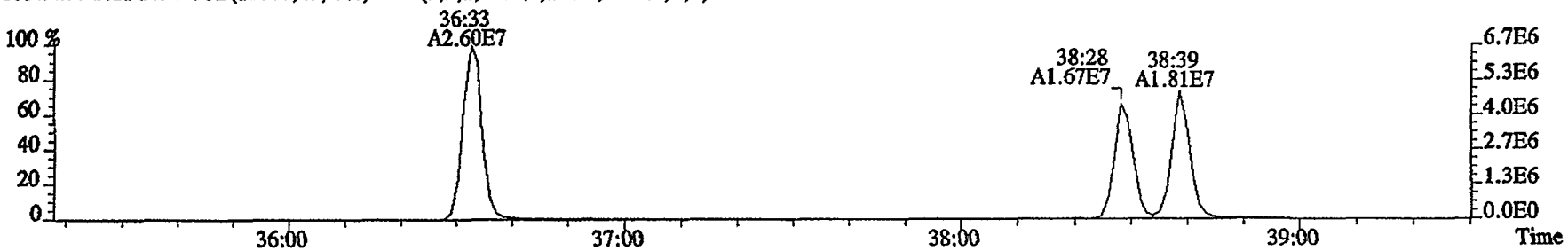
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



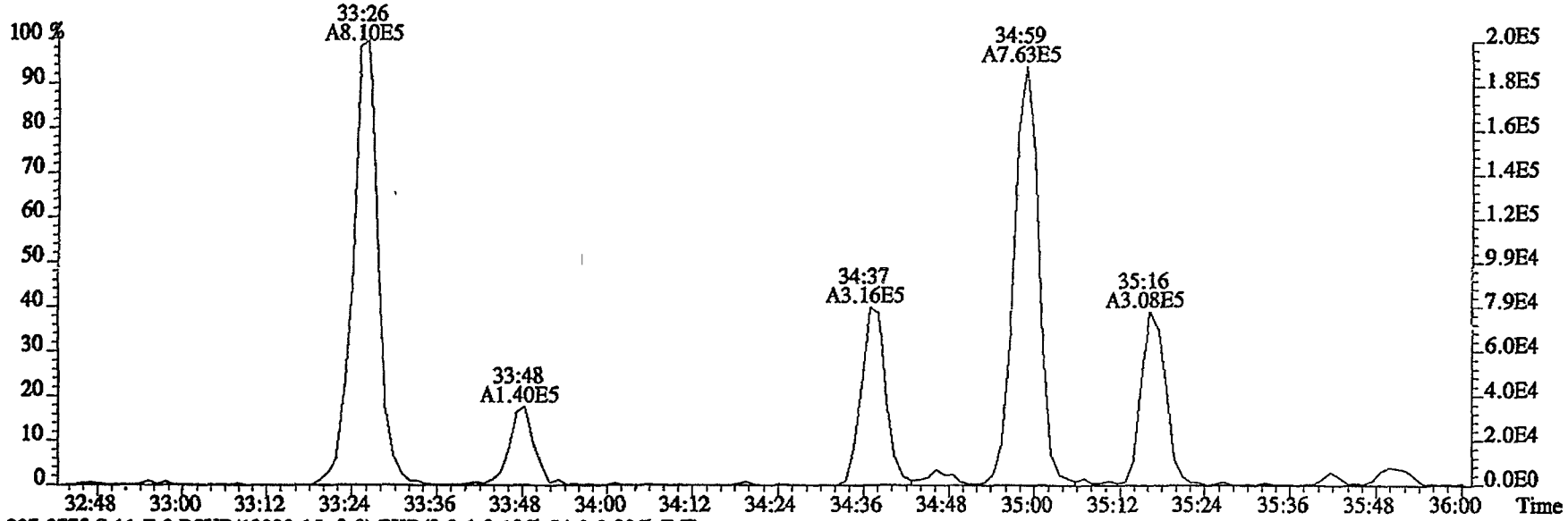
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



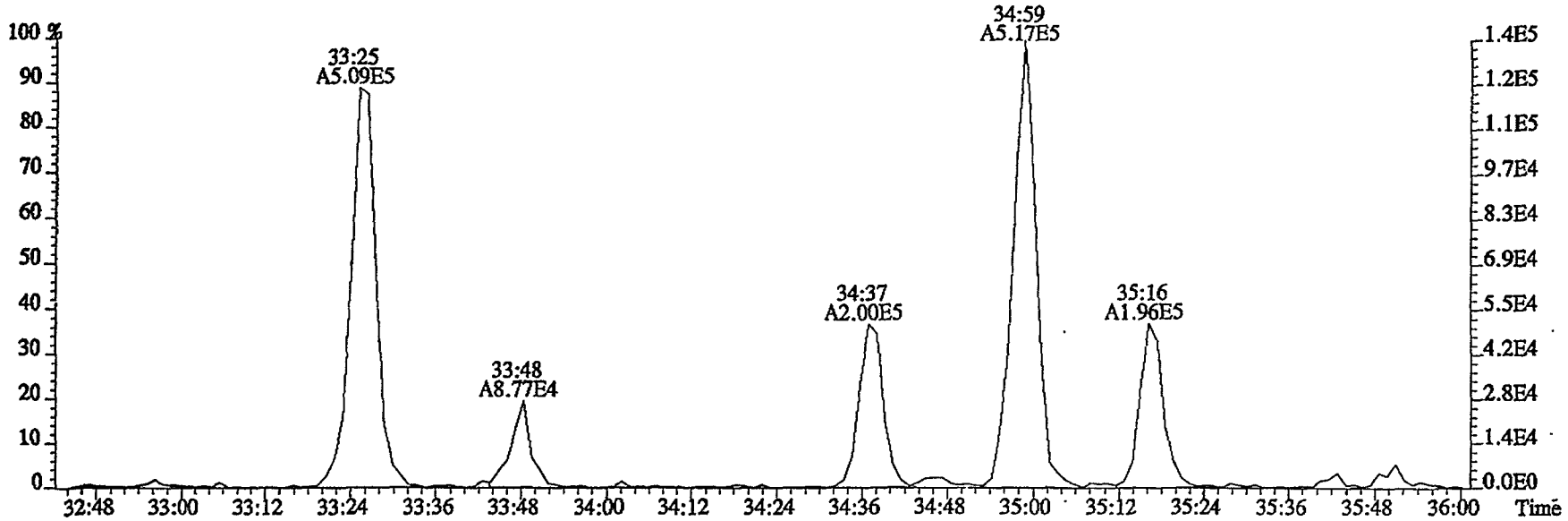
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,108.0,0.00%,F,F)



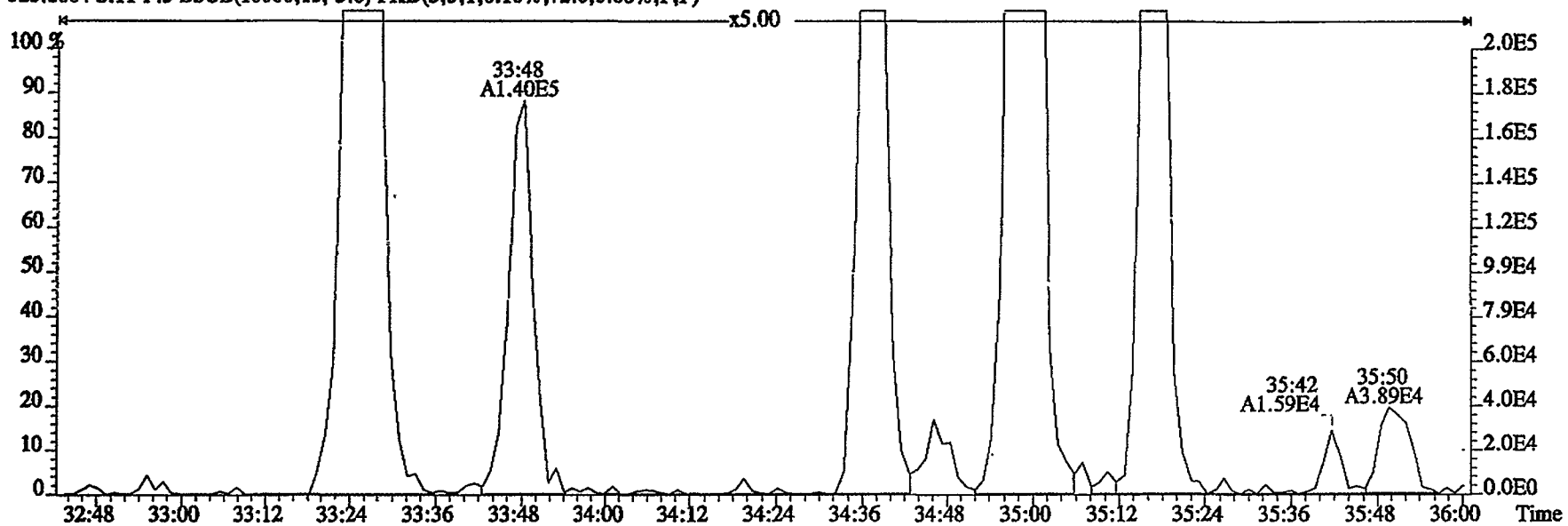
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



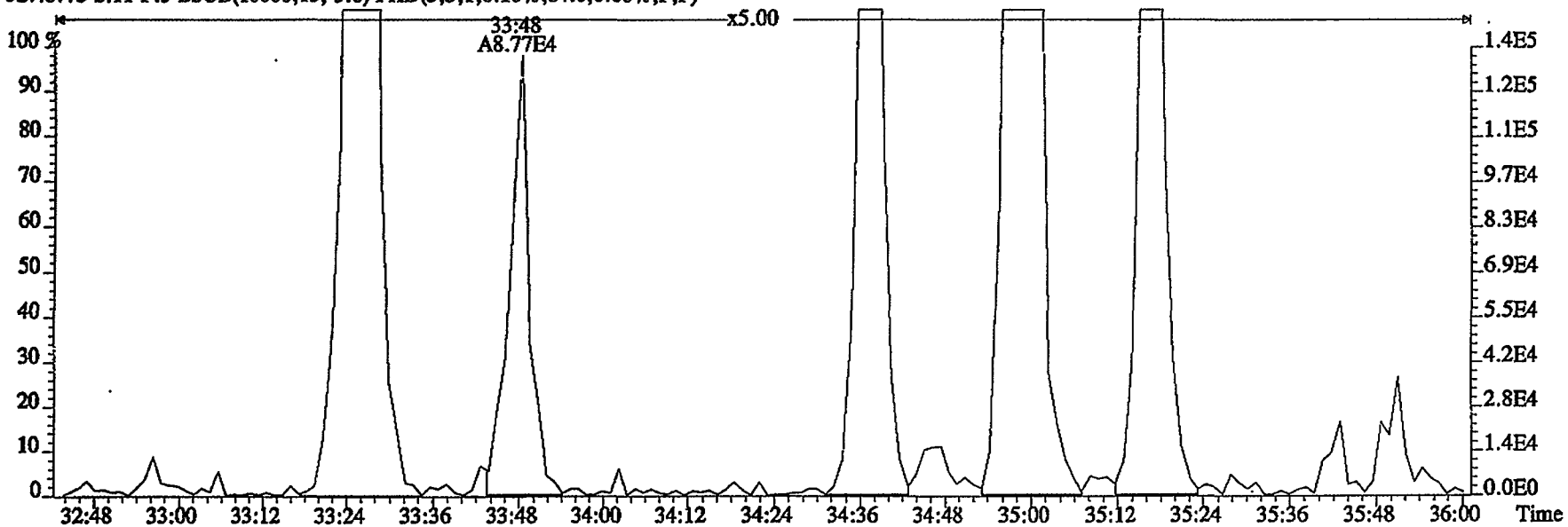
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



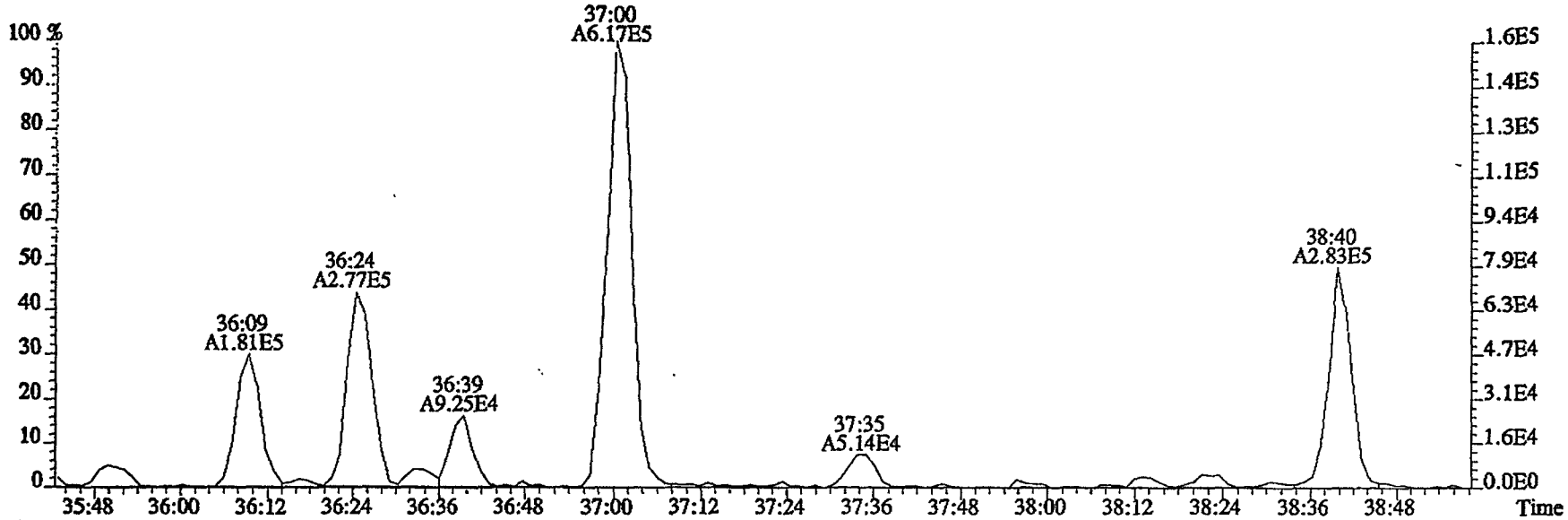
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



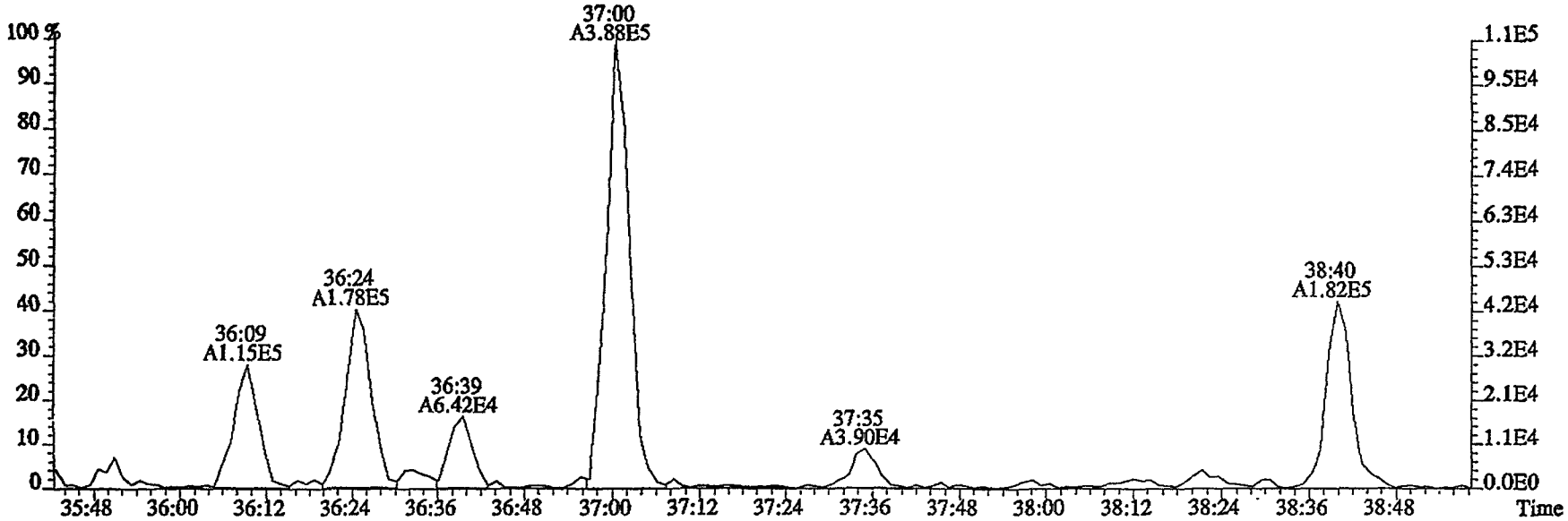
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



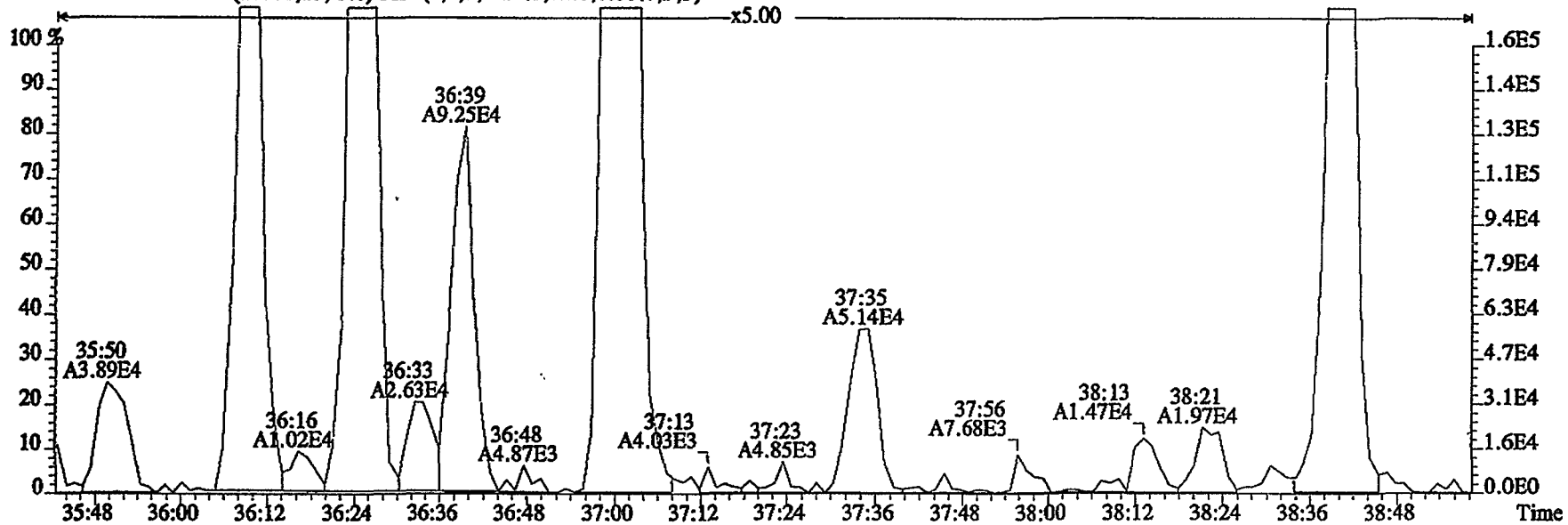
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



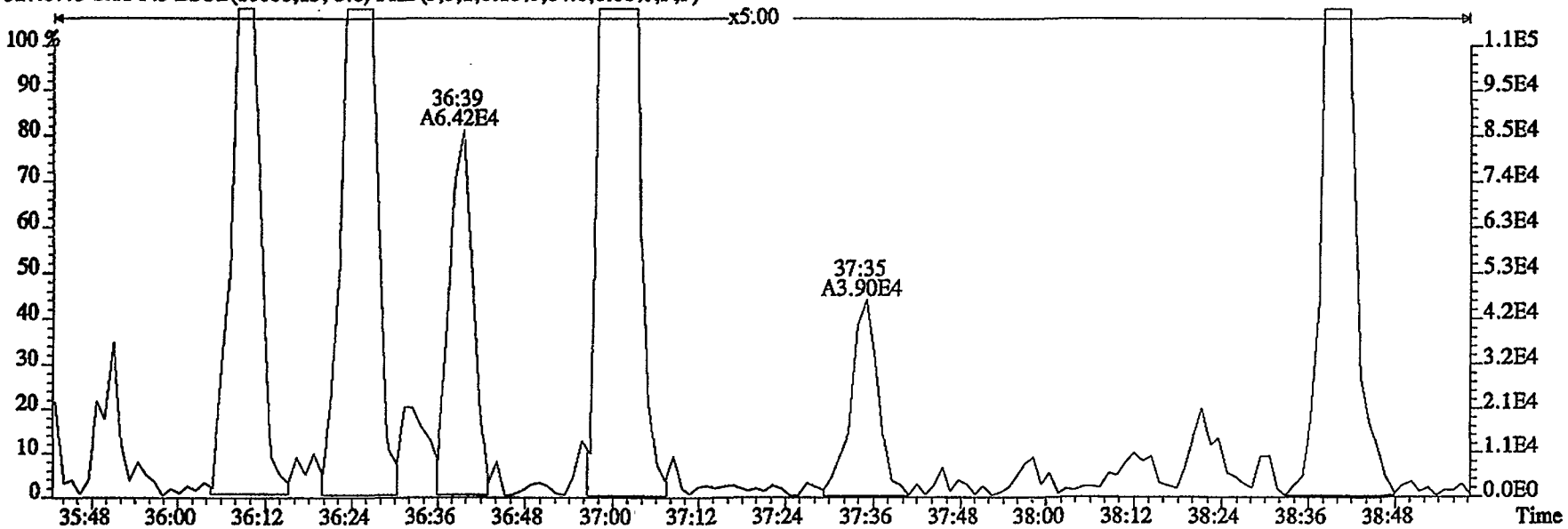
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)

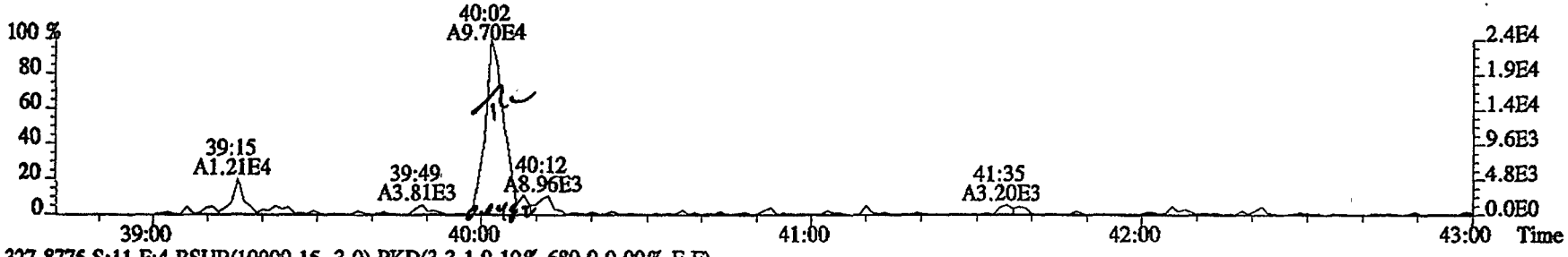


327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)

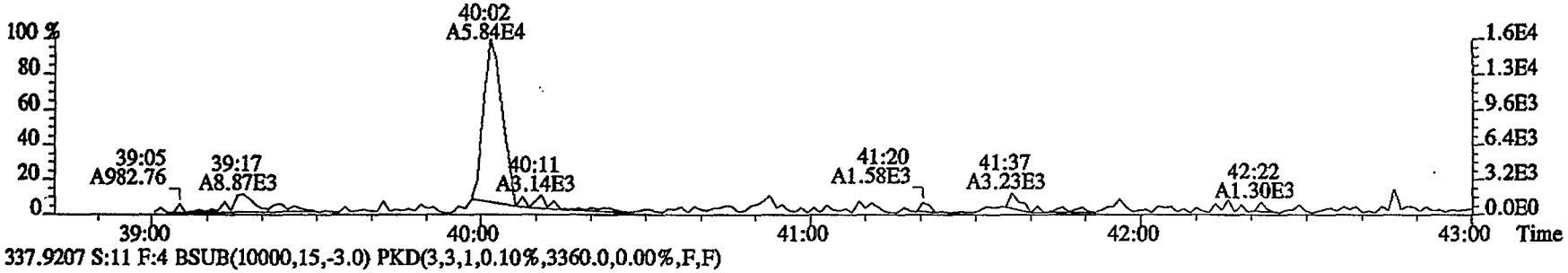


File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1

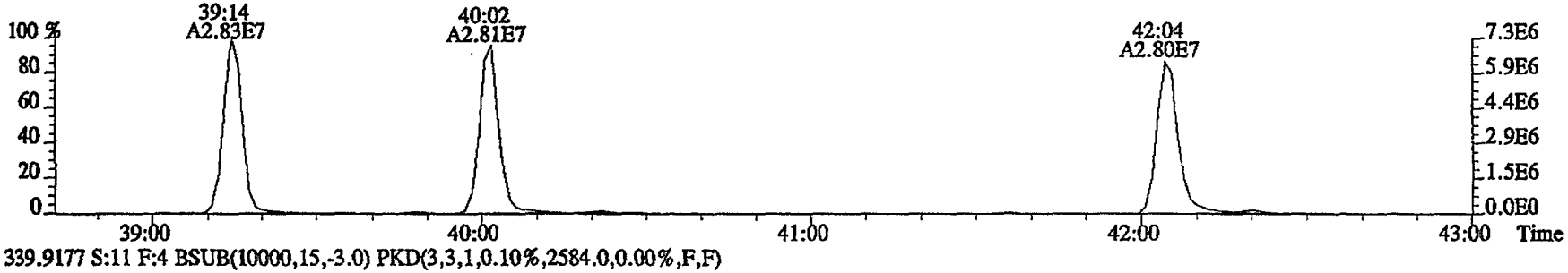
325.8804 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



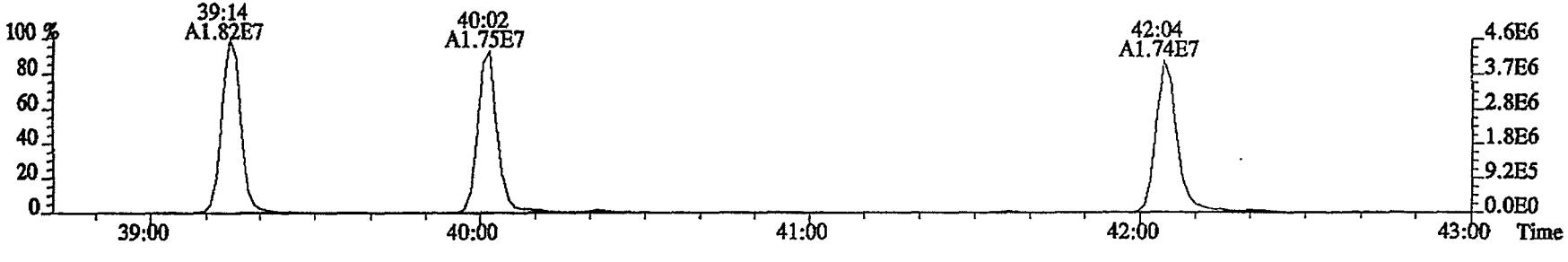
327.8775 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,680.0,0.00%,F,F)



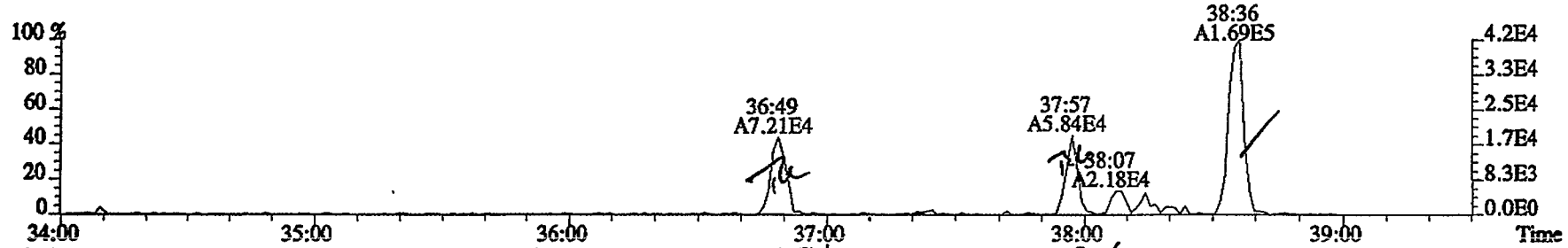
337.9207 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3360.0,0.00%,F,F)



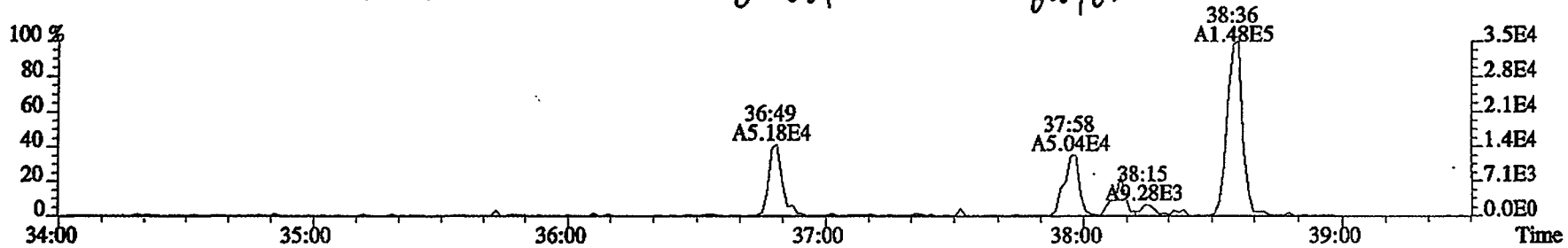
339.9177 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2584.0,0.00%,F,F)



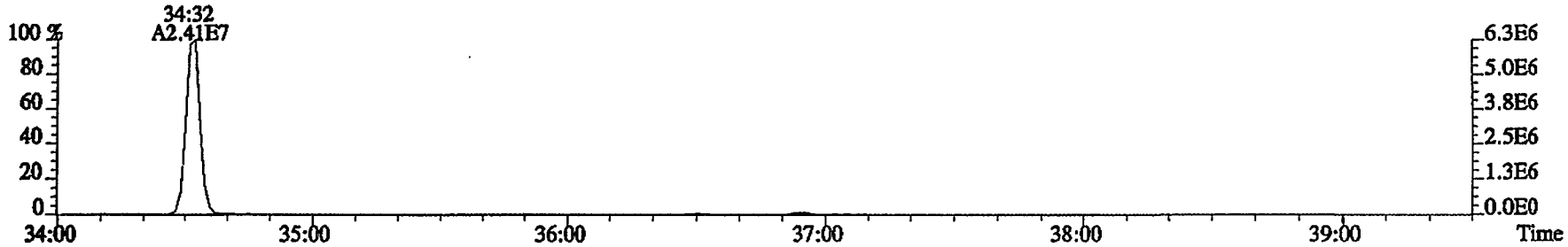
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
359.8415 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



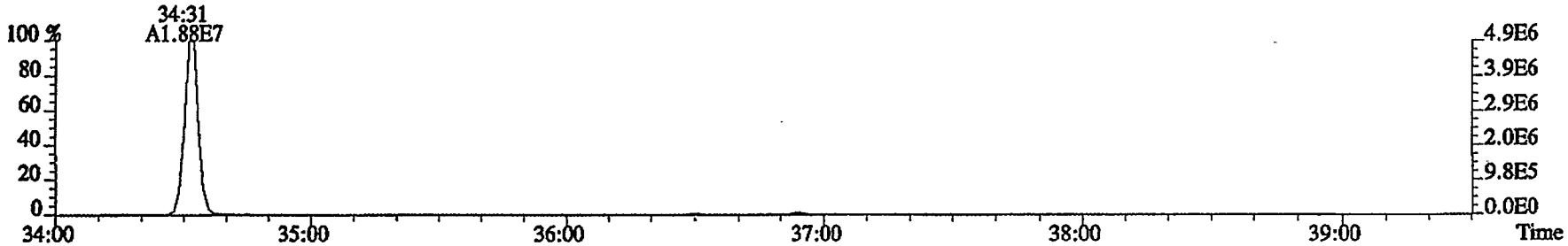
361.8385 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F) 0.0581 0.0706



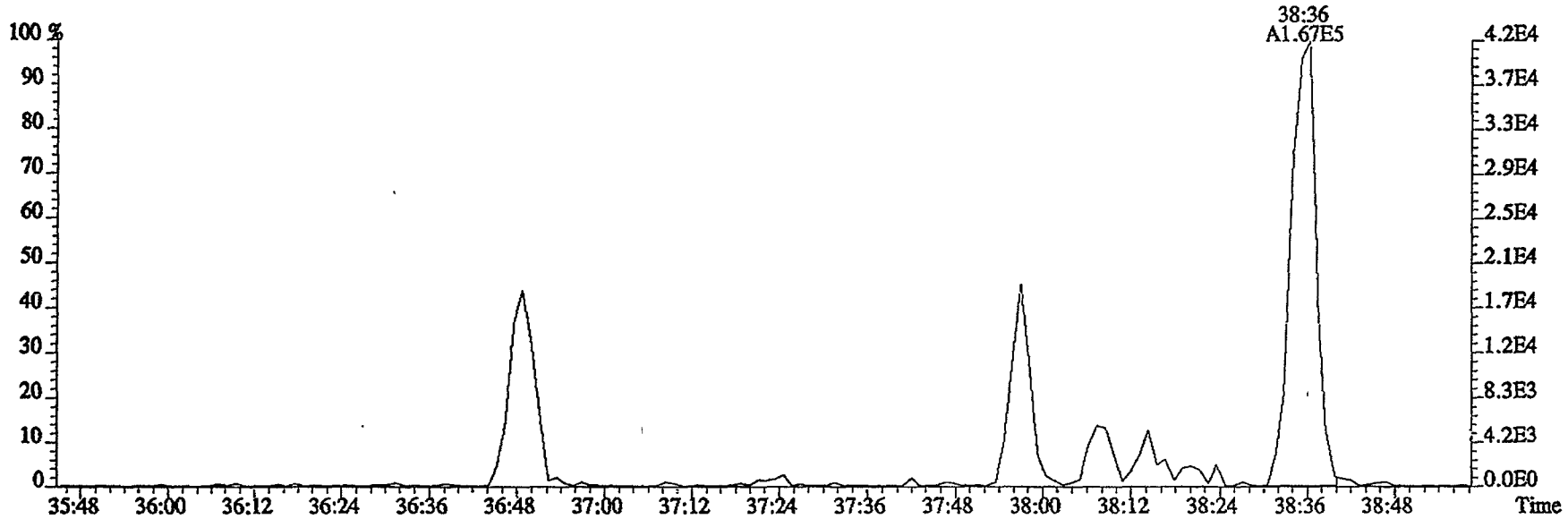
371.8817 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



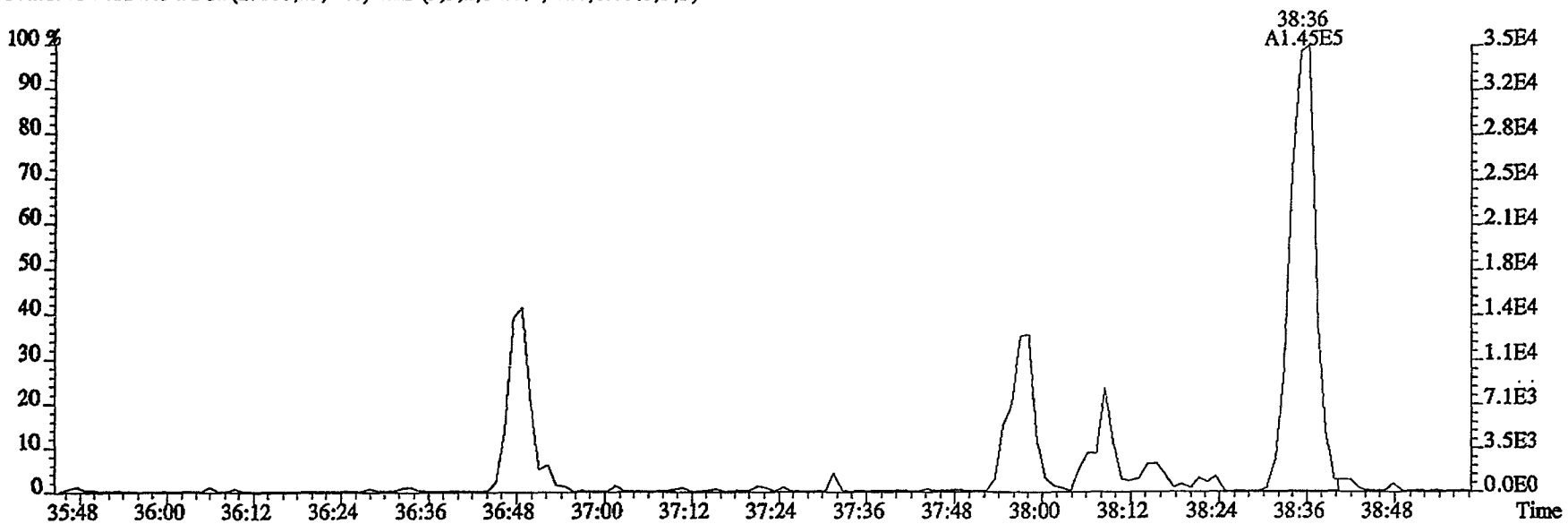
373.8788 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,84.0,0.00%,F,F)



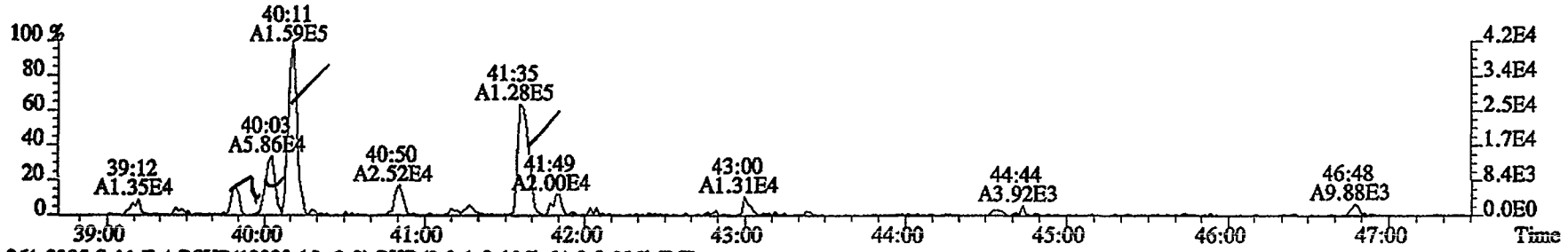
File:040519E1 #1-685 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
359.8415 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,76.0,0.00%,F,F)



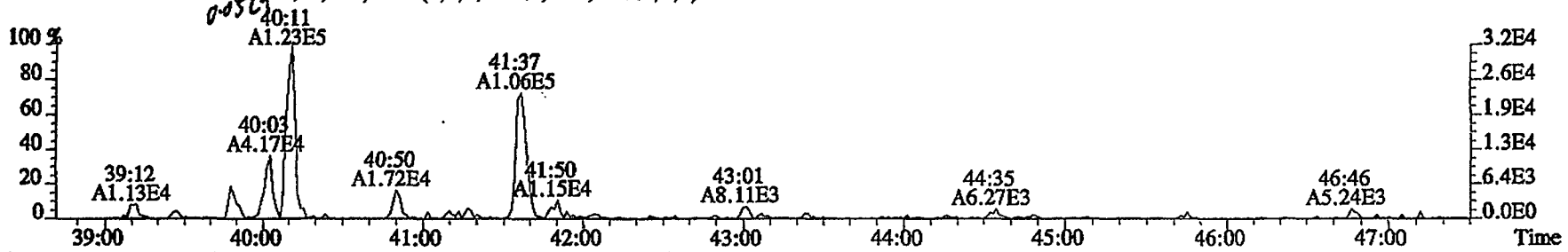
361.8385 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



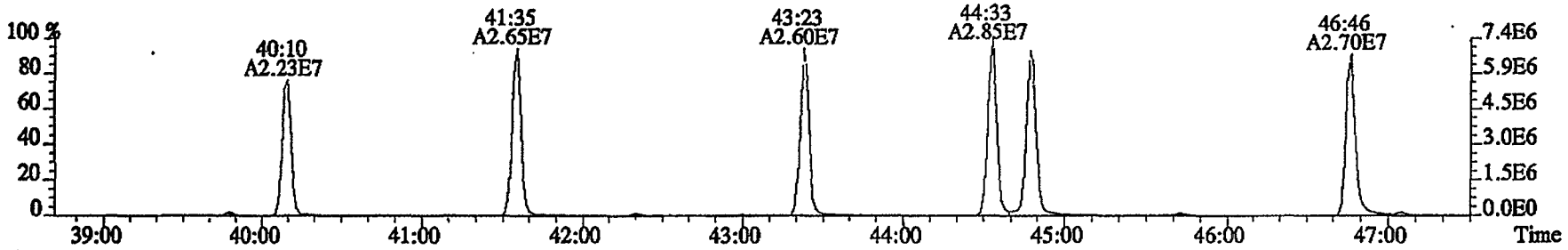
File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
359.8415 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



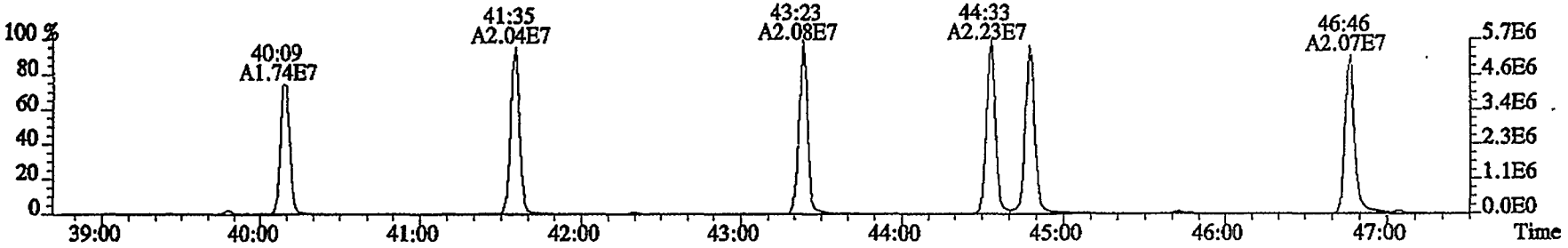
361.8385 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



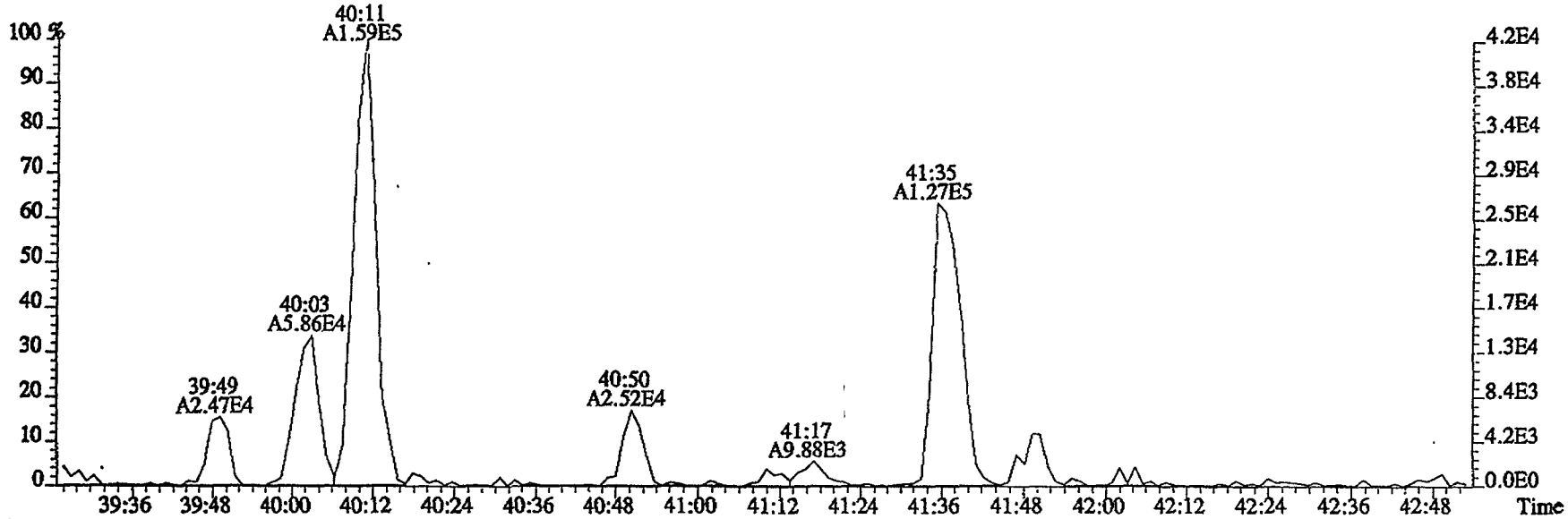
371.8817 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4528.0,0.00%,F,F)



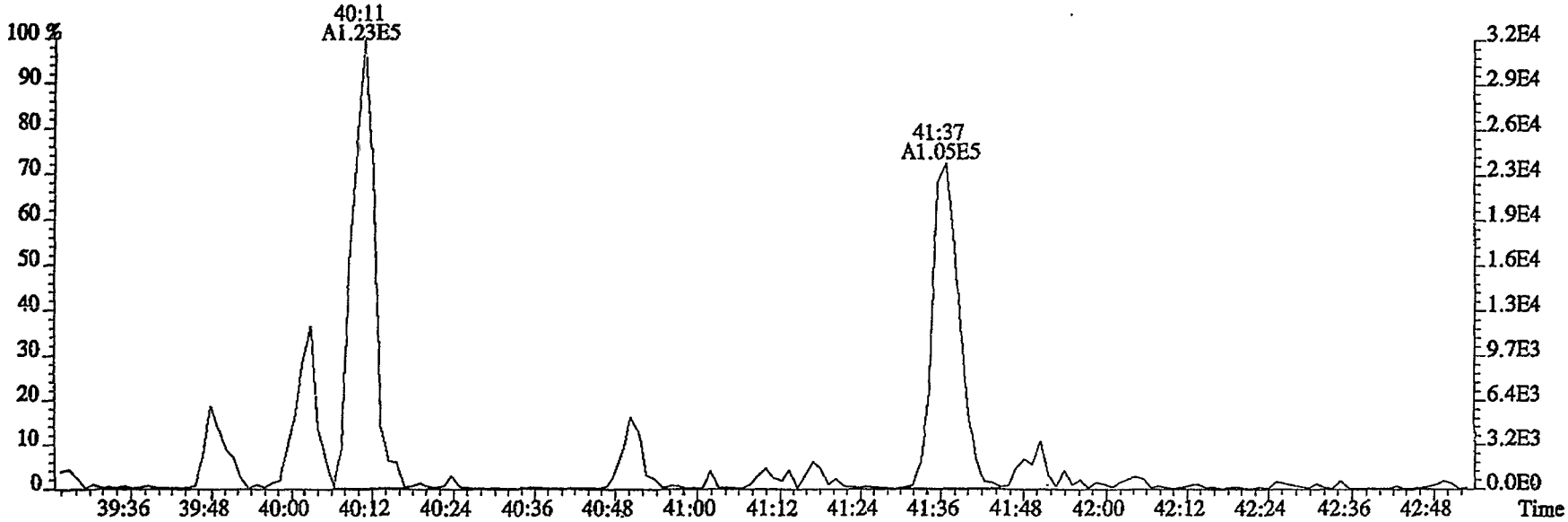
373.8788 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2740.0,0.00%,F,F)



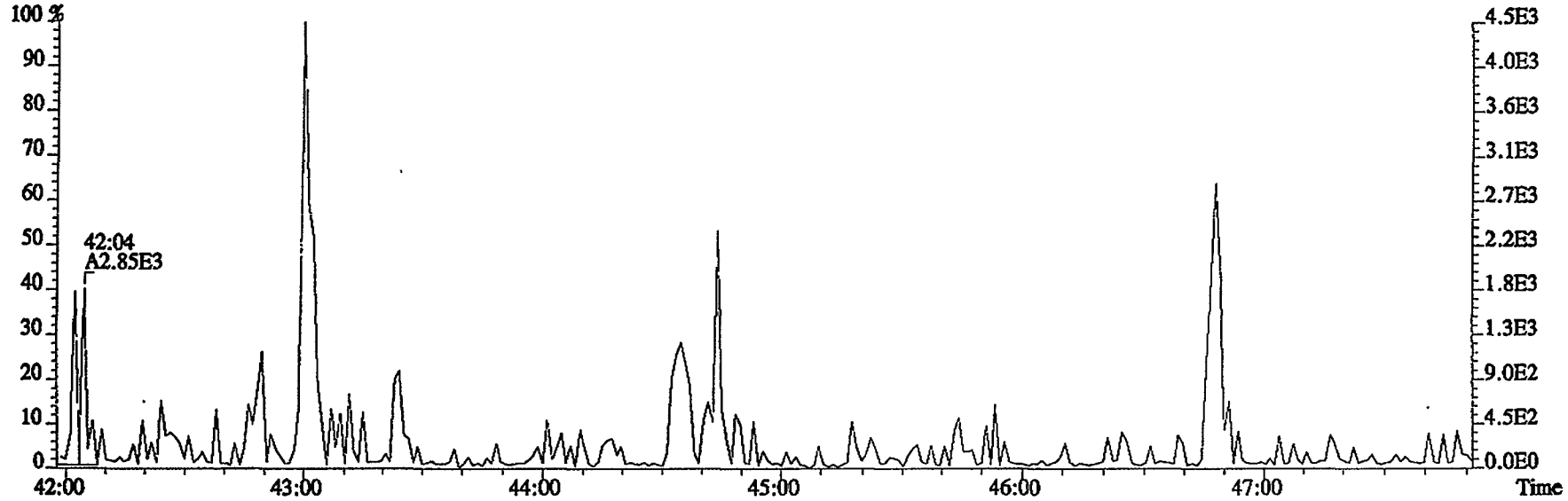
File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
359.8415 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



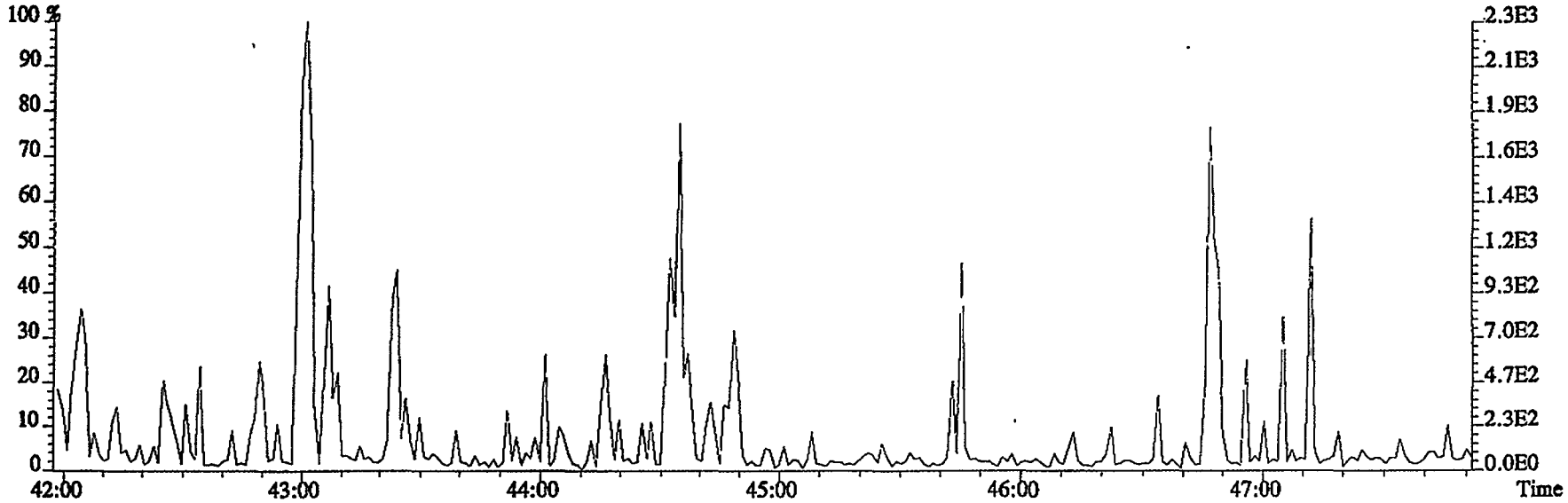
361.8385 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



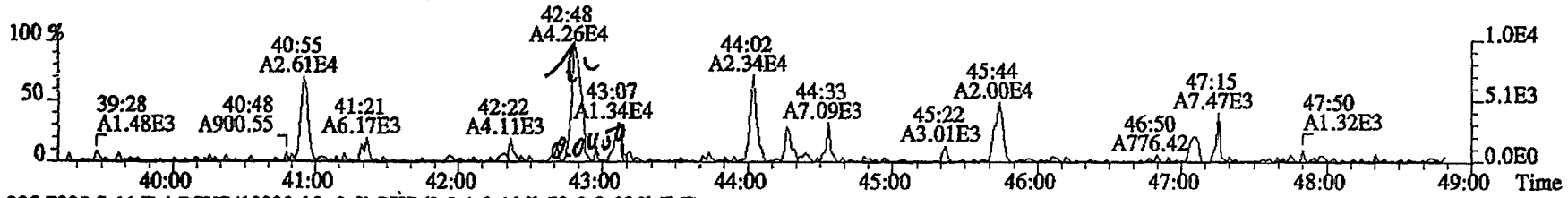
File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
359.8415 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



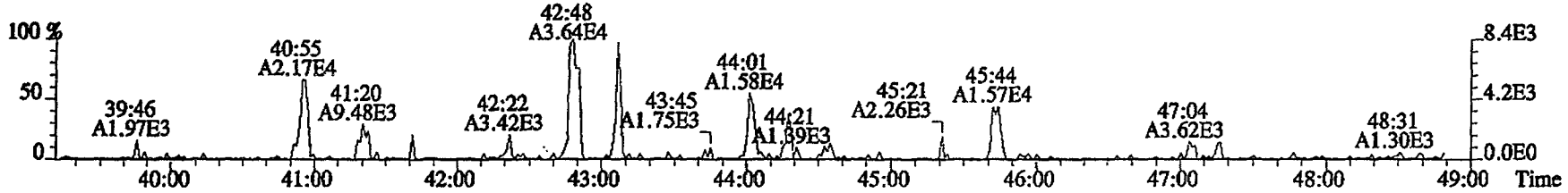
361.8385 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



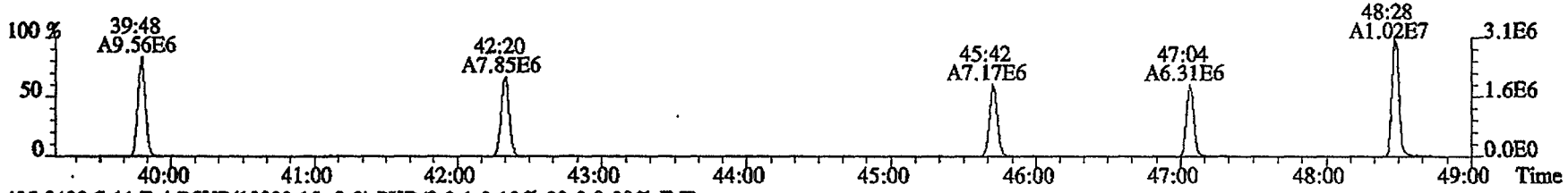
File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
393.8025 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



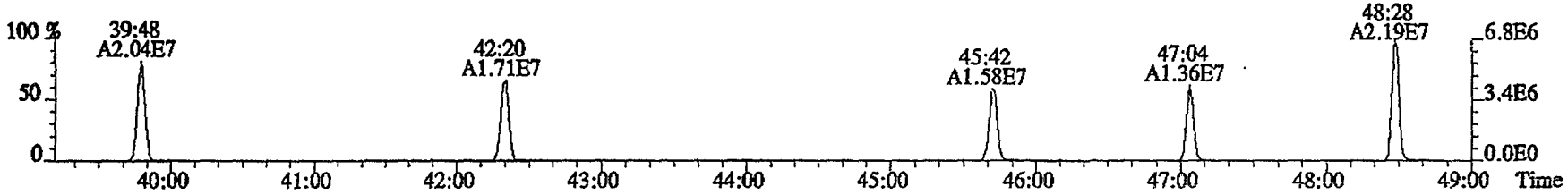
395.7995 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,72.0,0.00%,F,F)



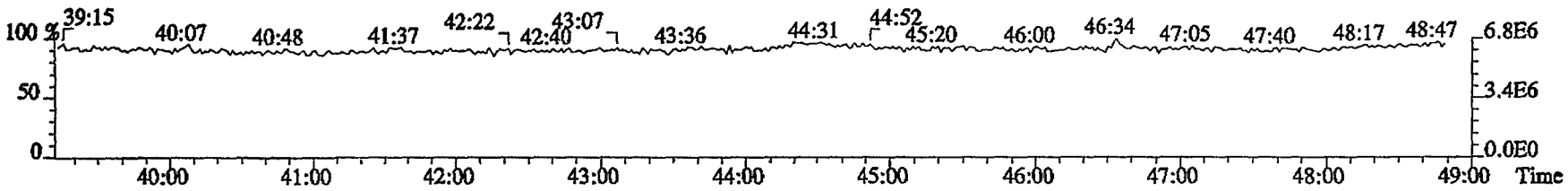
403.8457 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,F)



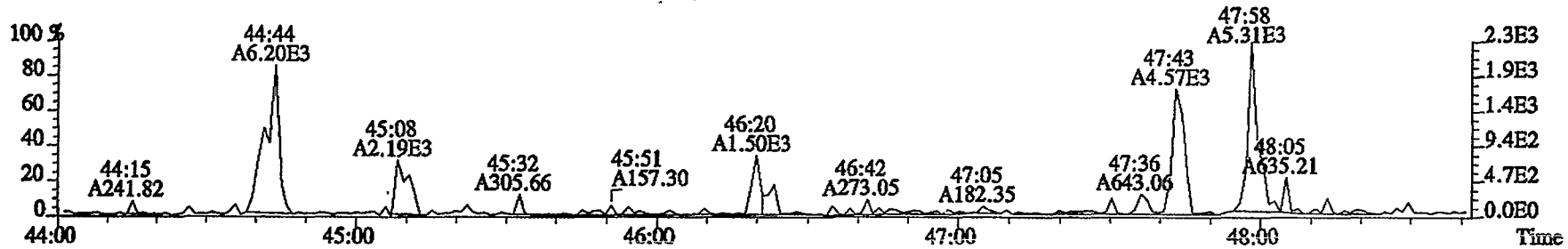
405.8428 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



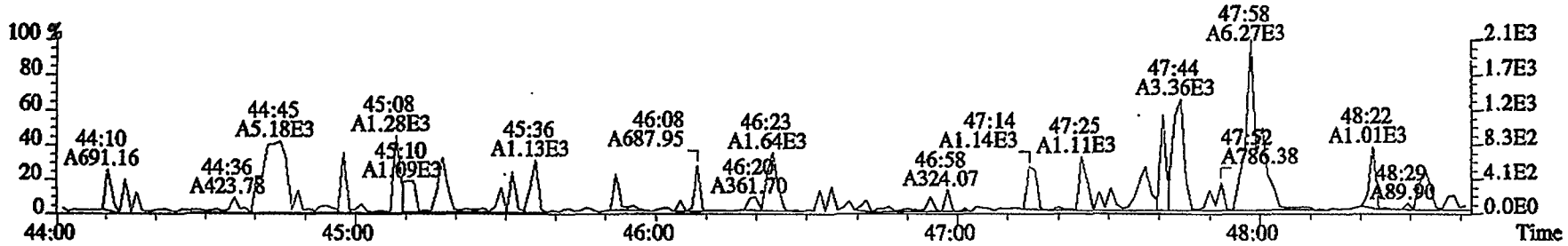
380.9760 S:11 F:4



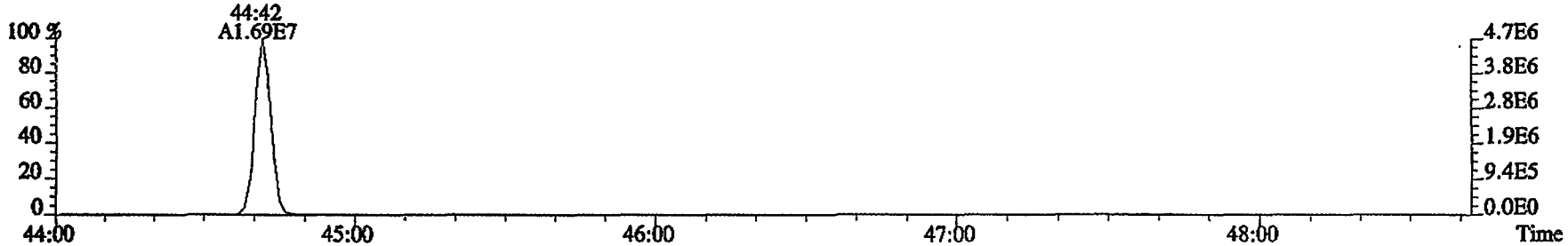
File:040519E1 #1-510 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
427.7635 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



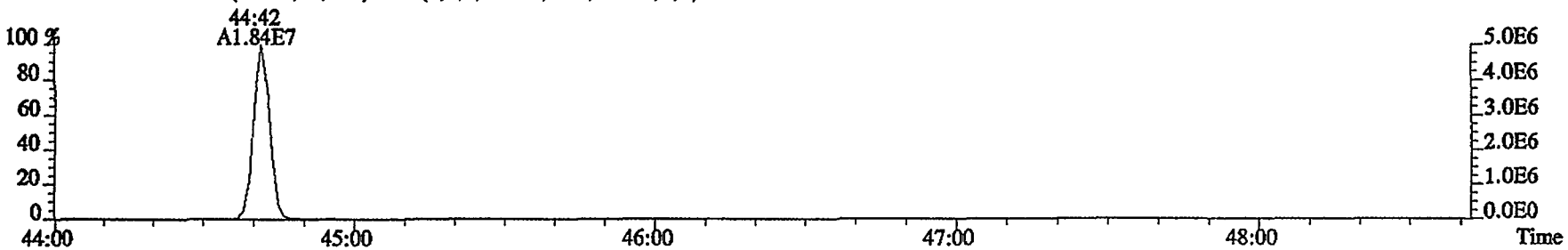
429.7606 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



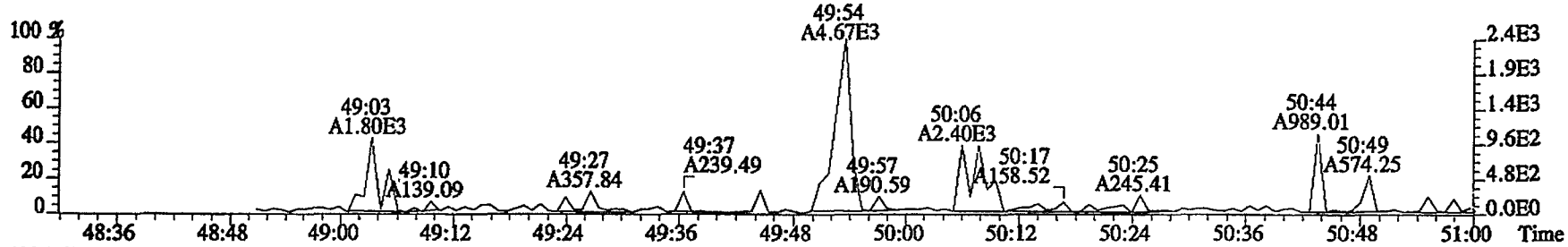
439.8038 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



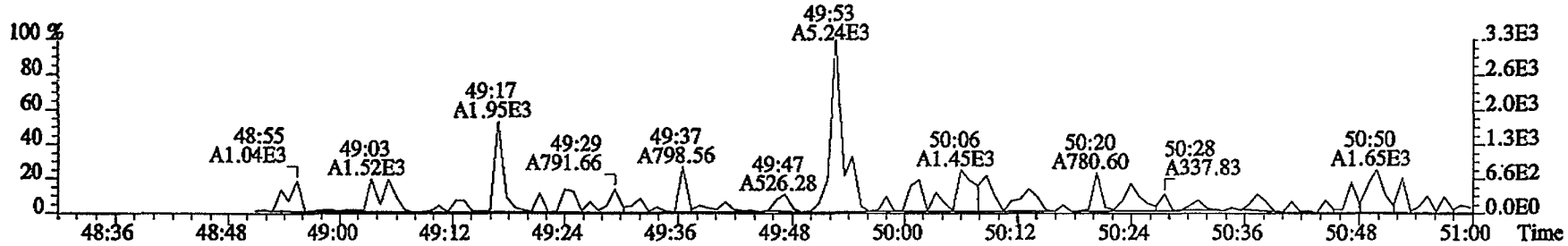
441.8008 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



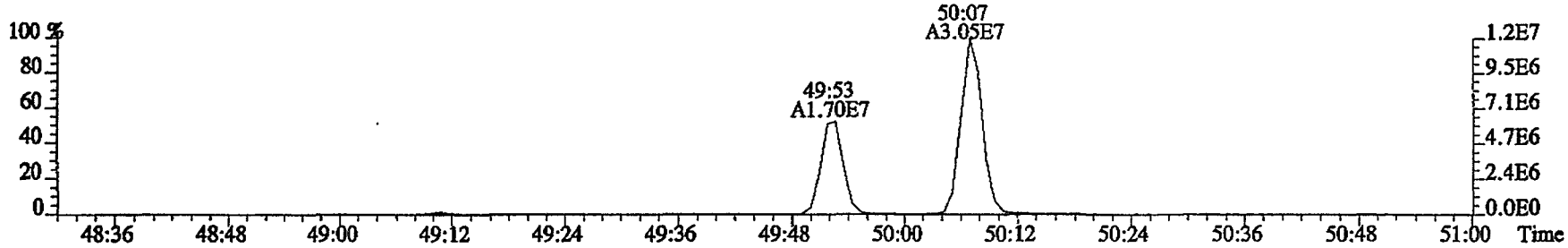
File:040519E1 #1-414 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
427.7635 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



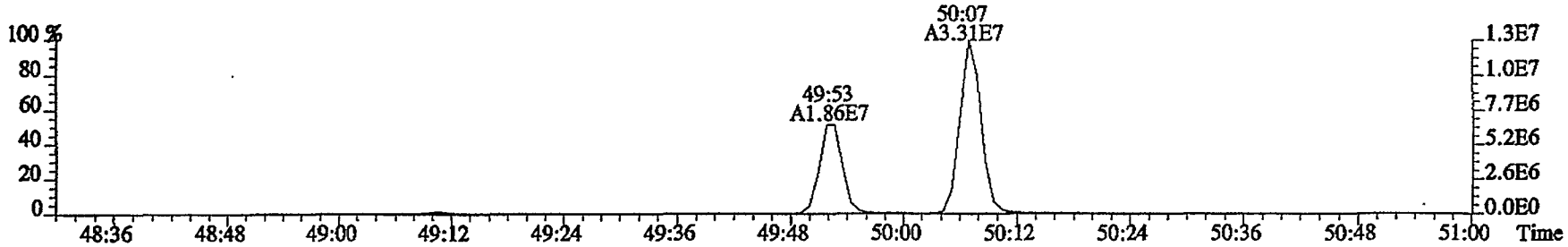
429.7606 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,F)



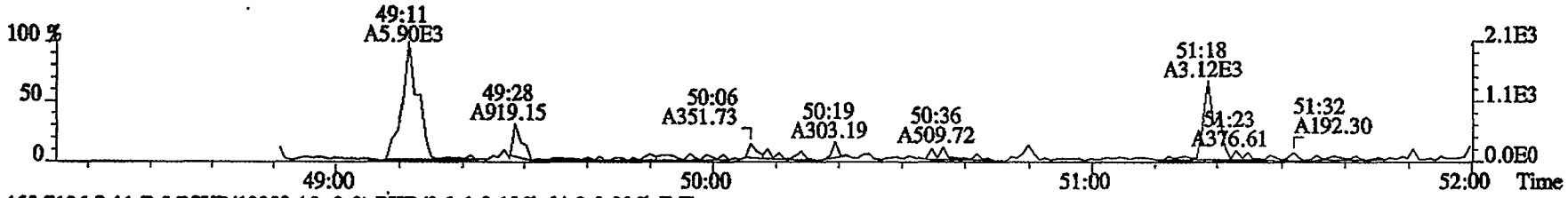
439.8038 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,92.0,0.00%,F,F)



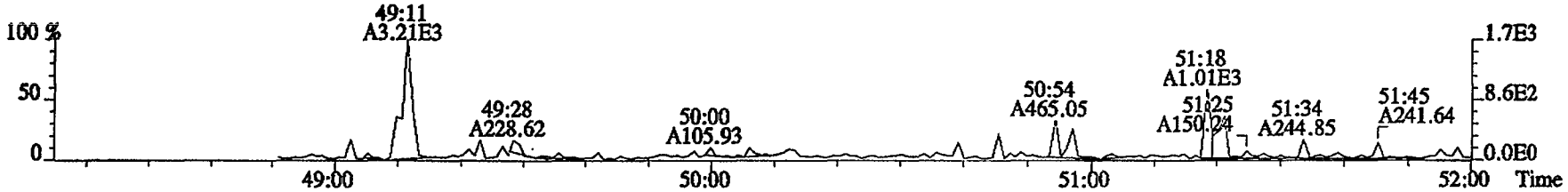
441.8008 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



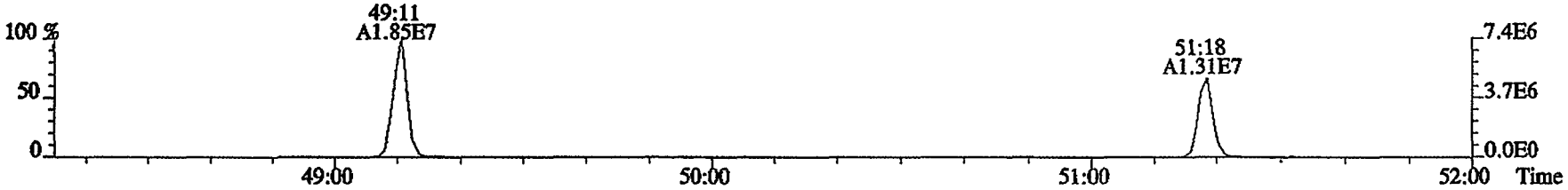
File:040519E1 #1-414 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
463.7216 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



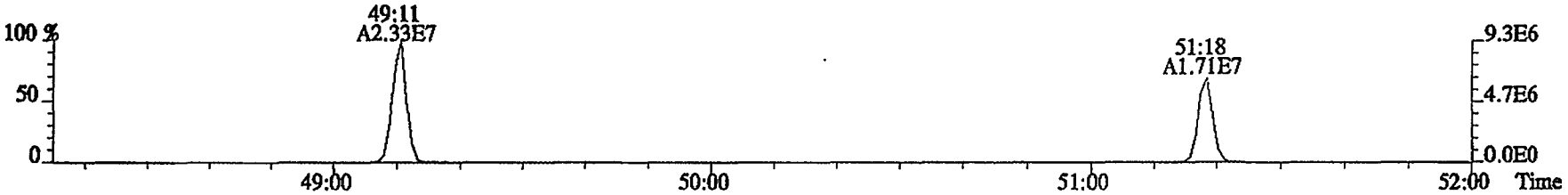
465.7186 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,F)



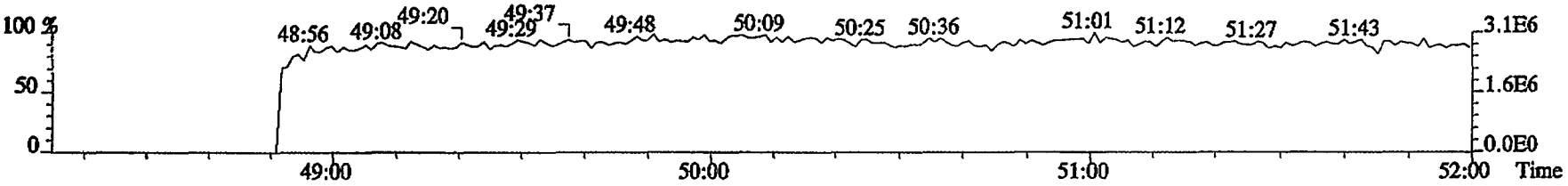
473.7648 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



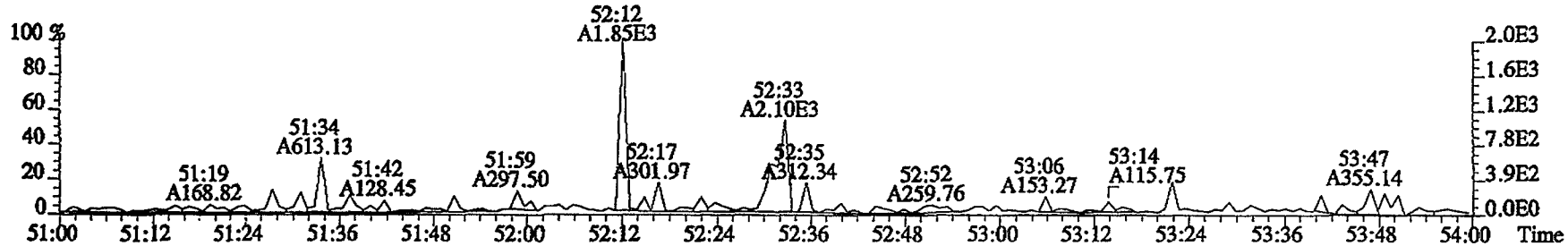
475.7619 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,F)



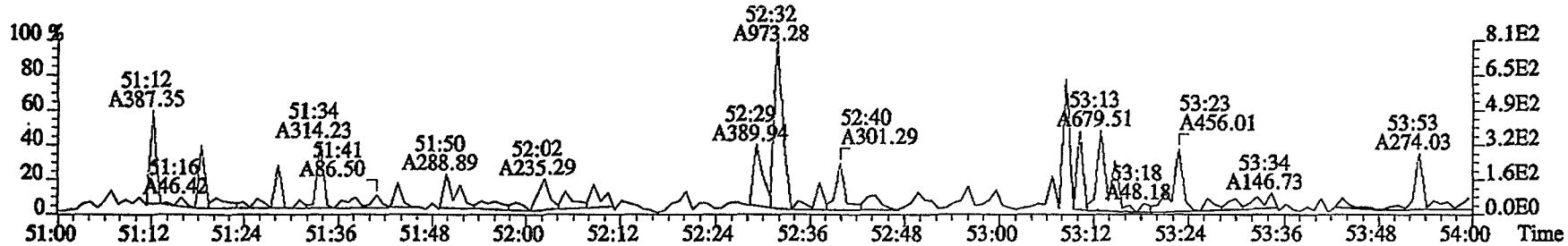
492.9697 S:11 F:5



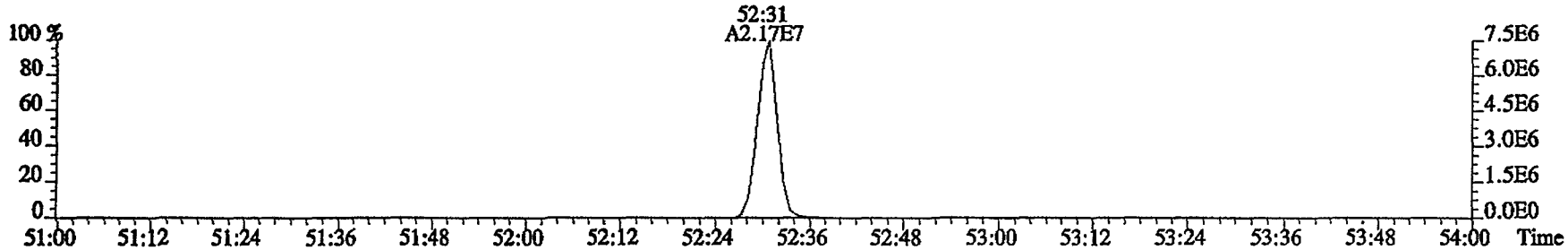
File:040519E1 #1-414 Acq:19-MAY-2004 20:57:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:24990_5892_007 84T-AIR-103 1Train Exp:PCB_DB1
497.6826 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



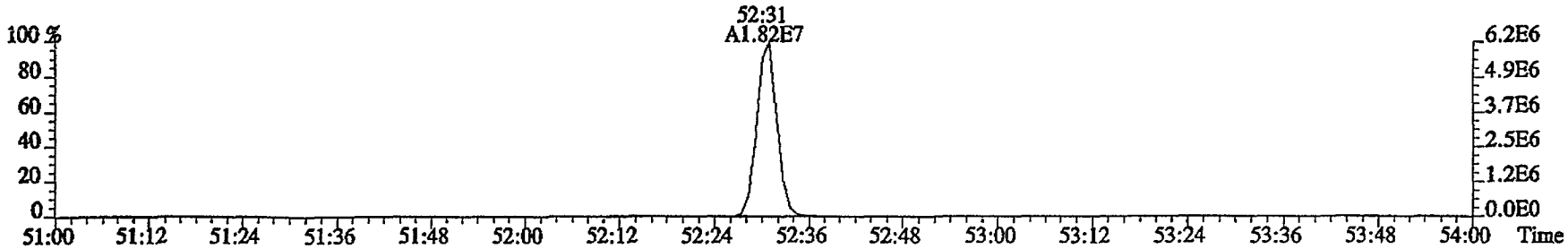
499.6797 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,56.0,0.00%,F,F)



509.7229 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,68.0,0.00%,F,F)



511.7199 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,F)



ICAL

Initial Calibration RRF Summary Alta Analytical Laboratory
Run: 030929E1-g Analyte: ICal: PCBVG8-9-29-03-AIR Inst. ID: VG-8

Filename: 030929E1

Name	Mean RRF	%RSD	S1 RRF#1	S2 RRF#2	S3 RRF#3	S4 RRF#4	S5 RRF#5
PCB-1	1.00	4.30 %	0.98	0.95	0.98	1.06	1.01
PCB-2	0.84	4.50 %	0.80	0.82	0.84	0.90	0.86
PCB-3	0.96	3.71 %	0.93	0.93	0.98	1.02	0.96
PCB-4/10	1.81	2.67 %	1.83	1.84	1.73	1.84	1.79
PCB-7/9	1.48	2.25 %	1.51	1.50	1.43	1.50	1.48
PCB-6	1.48	4.13 %	1.56	1.52	1.40	1.47	1.45
PCB-5/8	1.44	4.02 %	1.35	1.49	1.40	1.48	1.46
PCB-14	1.51	9.80 %	1.76	1.50	1.39	1.46	1.43
PCB-11	1.45	5.83 %	1.59	1.42	1.37	1.45	1.42
PCB-12/13	1.50	3.74 %	1.58	1.50	1.43	1.51	1.48
PCB-15	1.70	5.57 %	1.86	1.65	1.62	1.70	1.66
PCB-19	1.18	2.37 %	1.16	1.18	1.17	1.23	1.16
PCB-30	1.67	5.27 %	1.53	1.68	1.66	1.76	1.72
PCB-18	0.69	2.10 %	0.67	0.69	0.69	0.71	0.68
PCB-17	0.78	2.68 %	0.80	0.77	0.77	0.80	0.75
PCB-24/27	0.99	1.84 %	0.97	0.99	0.98	1.02	0.99
PCB-16/32	0.85	2.39 %	0.84	0.87	0.84	0.87	0.83
PCB-34	1.19	5.90 %	1.15	1.14	1.19	1.31	1.17
PCB-23	1.33	4.58 %	1.24	1.33	1.30	1.41	1.34
PCB-29	1.35	3.60 %	1.37	1.31	1.33	1.43	1.32
PCB-26	1.28	4.01 %	1.23	1.28	1.27	1.37	1.27
PCB-25	1.33	5.05 %	1.24	1.35	1.32	1.43	1.32
PCB-31	1.30	4.46 %	1.27	1.26	1.30	1.40	1.27
PCB-28	1.54	3.92 %	1.47	1.56	1.52	1.63	1.54
PCB-20/21/33	1.27	5.65 %	1.21	1.29	1.22	1.39	1.27
PCB-22	1.33	4.02 %	1.33	1.29	1.30	1.42	1.31
PCB-36	1.47	1.97 %	1.44	1.48	1.49	1.50	1.44
PCB-39	1.57	5.83 %	1.73	1.56	1.51	1.55	1.50
PCB-38	1.46	4.70 %	1.51	1.34	1.51	1.46	1.48
PCB-35	1.42	3.54 %	1.37	1.40	1.41	1.50	1.42
PCB-37	1.57	3.73 %	1.51	1.56	1.55	1.67	1.56
PCB-54	0.99	3.85 %	0.95	0.97	0.98	1.05	0.99
PCB-50	0.73	3.73 %	0.71	0.72	0.72	0.78	0.73
PCB-53	0.71	8.08 %	0.64	0.72	0.69	0.80	0.72
PCB-51	0.72	5.81 %	0.67	0.73	0.71	0.79	0.72
PCB-45	0.62	2.26 %	0.61	0.61	0.62	0.64	0.63
PCB-46	0.60	4.66 %	0.56	0.60	0.62	0.64	0.60
PCB-52/69	0.81	5.98 %	0.75	0.80	0.79	0.88	0.82
PCB-73	0.90	6.65 %	0.81	0.93	0.88	0.94	0.96

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9/30/03

PCB-43/49	0.71	5.93 %	0.67	0.69	0.68	0.77	0.73
PCB-47	0.73	10.64 %	0.61	0.74	0.70	0.76	0.82
PCB-48/75	0.86	6.34 %	0.80	0.81	0.87	0.92	0.90
PCB-65	0.86	4.06 %	0.80	0.88	0.87	0.87	0.88
PCB-62	0.83	10.47 %	0.72	0.82	0.79	0.95	0.86
PCB-44	0.61	4.15 %	0.59	0.61	0.58	0.65	0.63
PCB-42/59	0.79	8.88 %	0.68	0.80	0.76	0.86	0.84
PCB-41/64/71/72	0.88	10.14 %	0.75	0.85	0.85	0.98	0.95
PCB-68	0.97	9.47 %	0.83	0.94	0.96	1.07	1.03
PCB-40	0.53	4.62 %	0.50	0.52	0.53	0.56	0.55
PCB-57	1.09	4.38 %	1.10	1.06	1.12	1.15	1.03
PCB-67	1.12	6.16 %	1.09	1.09	1.17	1.22	1.04
PCB-58	1.08	3.99 %	1.04	1.12	1.09	1.13	1.04

PCB-63	1.09	3.88 %	1.10	1.09	1.13	1.10	1.02
PCB-74	1.15	5.82 %	1.13	1.16	1.21	1.21	1.05
PCB-61	0.91	10.57 %	0.96	1.04	0.81	0.83	0.90
PCB-70	1.14	13.72 %	1.03	1.07	1.29	1.32	0.98
PCB-76	0.99	7.89 %	1.08	1.02	0.87	0.96	1.00
PCB-66	1.31	11.44 %	1.20	1.28	1.45	1.48	1.14
PCB-80	1.28	4.07 %	1.22	1.30	1.30	1.35	1.24
PCB-55	1.10	4.95 %	1.05	1.09	1.14	1.17	1.05
PCB-56/60	1.09	3.44 %	1.11	1.08	1.11	1.13	1.03
PCB-79	1.12	3.81 %	1.13	1.08	1.09	1.18	1.09
PCB-78	1.08	5.80 %	1.00	1.08	1.10	1.17	1.06
PCB-81	1.16	2.88 %	1.12	1.15	1.16	1.21	1.17
PCB-77	1.06	2.25 %	1.04	1.07	1.04	1.09	1.06
PCB-104	1.16	4.11 %	1.08	1.20	1.15	1.19	1.16
PCB-96	1.10	4.59 %	1.02	1.11	1.10	1.15	1.14
PCB-103	0.91	6.05 %	0.83	0.90	0.91	0.96	0.97
PCB-100	0.90	5.44 %	0.84	0.89	0.89	0.95	0.96
PCB-94	0.98	1.93 %	1.00	0.99	0.99	0.98	0.95
PCB-95/98/102	1.09	2.46 %	1.08	1.10	1.09	1.14	1.07
PCB-93	1.00	3.17 %	1.00	1.03	0.98	0.96	1.03
PCB-88/91	1.00	2.51 %	1.00	1.00	1.01	1.03	0.96
PCB-121	1.49	5.91 %	1.34	1.56	1.52	1.51	1.53
PCB-84/92	1.01	2.50 %	1.00	1.03	1.00	1.05	0.98
PCB-89	0.96	5.64 %	0.91	1.03	0.97	0.99	0.90
PCB-90/101	1.14	3.41 %	1.12	1.16	1.13	1.19	1.09
PCB-113	1.19	5.61 %	1.13	1.21	1.22	1.28	1.12
PCB-99	1.27	2.87 %	1.24	1.29	1.23	1.31	1.26
PCB-119	1.45	3.55 %	1.40	1.49	1.42	1.52	1.41
PCB-108/112	1.15	3.72 %	1.09	1.19	1.13	1.19	1.14
PCB-83	1.31	6.32 %	1.19	1.38	1.29	1.40	1.27
PCB-97	1.02	3.73 %	1.01	1.07	0.99	1.05	0.98
PCB-86	0.91	6.11 %	0.85	0.96	0.92	0.97	0.86
PCB-87/117/125	1.32	3.08 %	1.28	1.34	1.27	1.35	1.36
PCB-111/115	1.46	5.36 %	1.35	1.50	1.44	1.57	1.45
PCB-85/116	1.21	3.97 %	1.14	1.27	1.17	1.22	1.23
PCB-120	1.53	3.75 %	1.43	1.56	1.52	1.58	1.53
PCB-110	1.47	4.27 %	1.48	1.54	1.42	1.51	1.39
PCB-82	0.70	3.64 %	0.73	0.69	0.68	0.71	0.67
PCB-124	1.17	4.63 %	1.10	1.21	1.12	1.21	1.22
PCB-107/109	1.21	6.03 %	1.11	1.18	1.22	1.30	1.24
PCB-123	1.15	3.85 %	1.21	1.17	1.14	1.16	1.09
PCB-106/118	1.06	3.46 %	1.04	1.10	1.04	1.10	1.02
PCB-114	1.40	4.03 %	1.33	1.41	1.40	1.48	1.38
PCB-122	1.45	3.55 %	1.45	1.43	1.49	1.52	1.38
PCB-105	1.44	4.16 %	1.35	1.42	1.45	1.51	1.44
PCB-127	1.35	5.88 %	1.25	1.31	1.35	1.46	1.39
PCB-126	1.41	2.25 %	1.39	1.43	1.36	1.42	1.43
PCB-155	1.12	3.45 %	1.06	1.15	1.11	1.16	1.13

PCB-150	1.04	5.31 %	0.98	1.01	1.00	1.10	1.09
PCB-152	1.03	5.72 %	0.96	1.03	0.98	1.09	1.08
PCB-145	1.02	6.74 %	0.92	1.02	0.98	1.06	1.10
PCB-136	1.00	4.72 %	0.92	1.02	0.97	1.03	1.03
PCB-148	0.79	6.23 %	0.72	0.78	0.77	0.83	0.84
PCB-154	0.92	2.70 %	0.88	0.92	0.90	0.94	0.94
PCB-151	0.72	5.95 %	0.65	0.71	0.72	0.76	0.76
PCB-135	0.70	3.45 %	0.68	0.68	0.70	0.74	0.71
PCB-144	0.77	9.55 %	0.66	0.76	0.76	0.83	0.84
PCB-147	0.83	8.86 %	0.73	0.81	0.80	0.87	0.92
PCB-139/149	0.80	7.62 %	0.72	0.78	0.77	0.84	0.88
PCB-140	0.80	5.82 %	0.73	0.80	0.79	0.85	0.84
PCB-134/143	0.74	6.15 %	0.68	0.74	0.72	0.81	0.75

B-133/142	0.74	7.55 %	0.67	0.73	0.72	0.80	0.80
PCB-131	0.72	4.32 %	0.68	0.72	0.71	0.76	0.75
PCB-146/165	1.01	6.08 %	0.92	1.01	1.00	1.05	1.08
PCB-132/161	0.96	7.23 %	0.91	0.88	0.92	1.03	1.03
PCB-153	1.03	4.08 %	0.98	1.03	1.03	1.09	1.01
PCB-168	1.11	6.75 %	1.02	1.09	1.07	1.19	1.19
PCB-141	0.89	4.47 %	0.85	0.87	0.87	0.94	0.92
PCB-137	0.84	5.62 %	0.77	0.85	0.81	0.87	0.88
PCB-130	0.77	5.69 %	0.72	0.78	0.73	0.83	0.79
PCB-138/163/164	1.09	6.48 %	1.00	1.07	1.05	1.16	1.17
PCB-158/160	1.16	5.43 %	1.09	1.16	1.11	1.22	1.23
PCB-129	0.73	4.70 %	0.70	0.72	0.71	0.76	0.78
PCB-166	0.93	3.40 %	0.91	0.91	0.92	0.98	0.95
PCB-159	0.99	4.92 %	0.95	0.95	0.97	1.06	1.03
PCB-128/162	0.84	3.57 %	0.80	0.83	0.82	0.88	0.86
PCB-167	0.97	2.56 %	0.96	0.96	0.95	1.01	0.95
PCB-156	1.04	3.58 %	1.06	1.02	1.00	1.09	1.05
PCB-157	0.96	2.32 %	0.98	0.95	0.94	0.99	0.94
PCB-169	0.96	4.04 %	1.01	0.94	0.92	1.00	0.93
PCB-188	1.47	2.90 %	1.41	1.49	1.48	1.53	1.45
PCB-184	1.48	3.29 %	1.53	1.52	1.47	1.51	1.41
PCB-179	1.38	5.23 %	1.39	1.45	1.39	1.42	1.26
PCB-176	1.34	3.63 %	1.28	1.37	1.37	1.39	1.30
PCB-186	1.38	2.96 %	1.39	1.41	1.38	1.40	1.31
PCB-178	0.99	6.42 %	1.07	1.04	0.97	0.99	0.90
PCB-175	0.98	4.44 %	0.93	1.02	0.97	1.02	0.94
PCB-182/187	1.16	1.63 %	1.16	1.16	1.14	1.18	1.13
PCB-183	1.12	3.74 %	1.10	1.15	1.12	1.15	1.05
PCB-185	1.38	4.38 %	1.29	1.42	1.36	1.44	1.38
PCB-174	1.46	5.44 %	1.35	1.51	1.45	1.56	1.43
PCB-181	1.42	3.66 %	1.50	1.45	1.38	1.43	1.37
PCB-177	1.35	3.50 %	1.37	1.41	1.32	1.37	1.29
PCB-171	1.45	2.77 %	1.44	1.48	1.39	1.48	1.45
PCB-173	1.29	3.45 %	1.23	1.33	1.26	1.33	1.28
PCB-172	1.30	9.94 %	1.09	1.34	1.28	1.40	1.40
PCB-192	1.70	5.51 %	1.56	1.75	1.66	1.79	1.74
PCB-180	1.50	2.95 %	1.45	1.56	1.48	1.53	1.48
PCB-193	1.94	4.09 %	1.83	1.99	1.92	2.04	1.93
PCB-191	1.79	2.50 %	1.75	1.84	1.77	1.84	1.77
PCB-170	1.54	2.94 %	1.52	1.53	1.49	1.61	1.52
PCB-190	2.02	4.38 %	1.93	1.95	2.01	2.15	2.06
PCB-189	1.42	4.89 %	1.53	1.43	1.35	1.43	1.37
PCB-202	1.00	2.37 %	1.01	1.02	0.98	1.03	0.98
PCB-201	0.99	3.39 %	0.94	1.00	0.97	1.03	1.00
PCB-204	1.02	3.01 %	0.99	1.01	0.98	1.05	1.04
PCB-197	1.04	4.18 %	0.97	1.05	1.03	1.08	1.06
PCB-200	0.98	5.16 %	0.89	1.00	0.99	1.01	1.00
PCB-198	0.68	6.40 %	0.62	0.68	0.66	0.71	0.74

PCB-199	0.74	3.85 %	0.71	0.74	0.71	0.77	0.77
PCB-196/203	0.79	7.78 %	0.73	0.75	0.77	0.85	0.87
PCB-195	1.18	2.84 %	1.20	1.16	1.14	1.22	1.20
PCB-194	1.28	3.35 %	1.27	1.29	1.29	1.34	1.22
PCB-205	1.67	3.97 %	1.78	1.69	1.65	1.67	1.59
PCB-208	0.94	4.06 %	0.90	0.98	0.93	0.99	0.92
PCB-207	0.84	6.04 %	0.79	0.78	0.85	0.91	0.85
PCB-206	0.88	2.81 %	0.86	0.87	0.87	0.92	0.88
PCB-209	1.11	3.15 %	1.15	1.09	1.07	1.14	1.10
Total Mono-PCB	0.93	3.99 %	0.90	0.90	0.93	0.99	0.94

al Di-PCB	1.51	3.13 %	1.57	1.52	1.44	1.53	1.49
Total Tri-PCB	0.99	2.13 %	0.97	0.99	0.98	1.02	0.98
Total Tri-PCB	1.38	3.34 %	1.34	1.36	1.36	1.46	1.36
Total Tetra-PCB	0.81	6.21 %	0.74	0.80	0.80	0.87	0.84
Total Penta-PCB	1.10	3.02 %	1.06	1.13	1.09	1.14	1.10
Total Penta-PCB	1.41	3.14 %	1.35	1.40	1.41	1.48	1.41
Total Hexa-PCB	0.88	5.64 %	0.81	0.88	0.86	0.92	0.93
Total Hexa-PCB	0.92	4.45 %	0.88	0.91	0.90	0.98	0.96
Total Hepta-PCB	1.37	2.75 %	1.34	1.41	1.36	1.41	1.34
Total Octa-PCB	0.89	4.11 %	0.84	0.89	0.87	0.93	0.93
Total Octa-PCB	1.38	2.42 %	1.42	1.38	1.36	1.41	1.34
Total Nona-PCB	0.89	3.78 %	0.85	0.88	0.88	0.94	0.88
Total Deca-PCB	1.11	3.15 %	1.15	1.09	1.07	1.14	1.10
13C-PCB-1	1.09	5.30 %	1.05	1.12	1.14	1.11	1.00
13C-PCB-3	1.24	2.49 %	1.19	1.26	1.24	1.26	1.25
13C-PCB-4	0.59	2.25 %	0.57	0.60	0.58	0.60	0.58
13C-PCB-9	0.90	1.85 %	0.88	0.92	0.88	0.91	0.90
13C-PCB-19	0.70	1.68 %	0.71	0.70	0.68	0.71	0.70
13C-PCB-32	1.18	3.30 %	1.18	1.16	1.13	1.19	1.24
13C-PCB-28	1.09	2.98 %	1.08	1.11	1.07	1.07	1.14
13C-PCB-37	0.93	4.04 %	0.89	0.95	0.90	0.93	0.98
13C-PCB-54	1.15	5.23 %	1.23	1.18	1.15	1.11	1.07
13C-PCB-81	0.98	5.50 %	0.92	1.00	0.94	0.98	1.06
13C-PCB-77	1.01	5.57 %	0.93	1.04	0.98	1.03	1.08
13C-PCB-104	0.93	7.57 %	1.01	0.95	0.94	0.94	0.82
13C-PCB-95	0.73	4.75 %	0.75	0.73	0.72	0.76	0.67
13C-PCB-101	0.73	2.64 %	0.74	0.73	0.73	0.74	0.70
13C-PCB-123	0.87	2.71 %	0.86	0.89	0.88	0.89	0.84
13C-PCB-118	0.98	1.91 %	0.95	0.98	0.99	1.01	0.98
13C-PCB-114	1.13	5.42 %	1.03	1.20	1.14	1.15	1.12
13C-PCB-105	1.09	6.30 %	1.00	1.19	1.06	1.07	1.11
13C-PCB-126	1.06	4.98 %	0.98	1.11	1.03	1.09	1.06
13C-PCB-155	0.97	6.63 %	1.04	1.00	0.98	0.98	0.86
13C-PCB-153	1.12	2.17 %	1.15	1.13	1.10	1.12	1.09
13C-PCB-167	1.28	1.56 %	1.29	1.30	1.25	1.28	1.30
13C-PCB-156	1.24	2.91 %	1.22	1.25	1.22	1.24	1.31
13C-PCB-157	1.33	2.39 %	1.31	1.33	1.30	1.33	1.38
13C-PCB-169	1.26	2.69 %	1.25	1.29	1.22	1.26	1.30
13C-PCB-188	0.92	3.10 %	0.91	0.92	0.89	0.94	0.96
13C-PCB-180	0.65	1.12 %	0.66	0.66	0.64	0.65	0.65
13C-PCB-170	0.56	3.84 %	0.58	0.58	0.53	0.54	0.56
13C-PCB-189	0.85	4.12 %	0.81	0.86	0.81	0.86	0.89
13C-PCB-202	1.02	1.42 %	1.03	1.01	0.99	1.02	1.03
13C-PCB-194	0.71	1.52 %	0.72	0.70	0.70	0.72	0.71
13C-PCB-208	0.94	4.60 %	0.92	0.97	0.95	0.97	0.87
13C-PCB-206	0.65	4.67 %	0.62	0.68	0.67	0.66	0.61
13C-PCB-209	0.97	7.12 %	1.05	1.03	0.96	0.94	0.88
13C-PCB-15	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00

13C-PCB-31	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00
13C-PCB-60	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00
13C-PCB-111	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00
13C-PCB-138	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00
13C-PCB-205	1.00	0.00 %	1.00	1.00	1.00	1.00	1.00
13C-PCB-52	0.82	8.96 %	0.90	0.84	0.85	0.80	0.70
13C-PCB-178	0.90	3.40 %	0.92	0.93	0.91	0.90	0.85

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST030929E1-3 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 030929E1 S#3 Analysis Date: 29-SEP-03 Time: 14:07:02

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	2.93	2.66-3.60	y	24.6	17.5-32.5
PCB-2	2.92	2.66-3.60	y	25.0	17.5-32.5
PCB-3	2.93	2.66-3.60	y	25.3	17.5-32.5
PCB-4/10	1.62	1.33-1.80	y	47.9	35.0-65.0
PCB-7/9	1.64	1.33-1.80	y	48.1	35.0-65.0
PCB-6	1.72	1.33-1.80	y	23.7	17.5-32.5
PCB-5/8	1.68	1.33-1.80	y	48.9	35.0-65.0
PCB-14	1.68	1.33-1.80	y	23.0	17.5-32.5
PCB-11	1.67	1.33-1.80	y	23.6	17.5-32.5
PCB-12/13	1.67	1.33-1.80	y	47.5	35.0-65.0
PCB-15	1.65	1.33-1.80	y	23.8	17.5-32.5
PCB-19	1.04	0.88-1.20	y	24.8	17.5-32.5
PCB-30	1.04	0.88-1.20	y	24.8	17.5-32.5
PCB-18	1.04	0.88-1.20	y	25.1	17.5-32.5
PCB-17	1.04	0.88-1.20	y	24.7	17.5-32.5
PCB-24/27	1.02	0.88-1.20	y	49.6	35.0-65.0
PCB-16/32	1.03	0.88-1.20	y	49.7	35.0-65.0
PCB-34	1.08	0.88-1.20	y	25.0	17.5-32.5
PCB-23	1.07	0.88-1.20	y	24.5	17.5-32.5
PCB-29	1.08	0.88-1.20	y	24.5	17.5-32.5
PCB-26	1.07	0.88-1.20	y	24.7	17.5-32.5
PCB-25	1.07	0.88-1.20	y	24.8	17.5-32.5
PCB-31	1.07	0.88-1.20	y	25.0	17.5-32.5
PCB-28	1.09	0.88-1.20	y	24.6	17.5-32.5
PCB-20/21/33	1.10	0.88-1.20	y	71.8	52.5-97.5
PCB-22	1.10	0.88-1.20	y	24.4	17.5-32.5
PCB-36	1.08	0.88-1.20	y	25.4	17.5-32.5
PCB-39	1.09	0.88-1.20	y	24.1	17.5-32.5
PCB-38	1.08	0.88-1.20	y	25.8	17.5-32.5
PCB-35	1.11	0.88-1.20	y	24.8	17.5-32.5
PCB-37	1.10	0.88-1.20	y	24.7	17.5-32.5
PCB-54	0.75	0.65-0.89	y	49.7	35.0-65.0
PCB-50	0.74	0.65-0.89	y	49.2	35.0-65.0
PCB-53	0.76	0.65-0.89	y	48.3	35.0-65.0
PCB-51	0.76	0.65-0.89	y	48.9	35.0-65.0
PCB-45	0.77	0.65-0.89	y	49.5	35.0-65.0
PCB-46	0.77	0.65-0.89	y	51.2	35.0-65.0

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-52/69	0.76	0.65-0.89	y	97.6	70.0-130
PCB-73	0.77	0.65-0.89	y	48.7	35.0-65.0
PCB-43/49	0.76	0.65-0.89	y	96.1	70.0-130
PCB-47	0.75	0.65-0.89	y	48.2	35.0-65.0
PCB-48/75	0.76	0.65-0.89	y	101.6	70.0-130
PCB-65	0.77	0.65-0.89	y	50.7	35.0-65.0
PCB-62	0.78	0.65-0.89	y	47.5	35.0-65.0
PCB-44	0.78	0.65-0.89	y	47.7	35.0-65.0
PCB-42/59	0.76	0.65-0.89	y	96.2	70.0-130
PCB-41/64/71/72	0.77	0.65-0.89	y	194.5	140-260
PCB-68	0.76	0.65-0.89	y	49.5	35.0-65.0
PCB-40	0.77	0.65-0.89	y	50.0	35.0-65.0
PCB-57	0.76	0.65-0.89	y	51.1	35.0-65.0
PCB-67	0.76	0.65-0.89	y	52.0	35.0-65.0
PCB-58	0.78	0.65-0.89	y	50.5	35.0-65.0
PCB-63	0.75	0.65-0.89	y	52.0	35.0-65.0
PCB-74	0.75	0.65-0.89	y	52.4	35.0-65.0
PCB-61	0.75	0.65-0.89	y	44.4	35.0-65.0
PCB-70	0.78	0.65-0.89	y	56.8	35.0-65.0
PCB-76	0.75	0.65-0.89	y	44.1	35.0-65.0
PCB-66	0.78	0.65-0.89	y	55.4	35.0-65.0
PCB-80	0.77	0.65-0.89	y	50.8	35.0-65.0
PCB-55	0.76	0.65-0.89	y	51.9	35.0-65.0
PCB-56/60	0.76	0.65-0.89	y	101.6	70.0-130
PCB-79	0.77	0.65-0.89	y	48.9	35.0-65.0
PCB-78	0.76	0.65-0.89	y	50.8	35.0-65.0
PCB-81	0.76	0.65-0.89	y	49.8	35.0-65.0
PCB-77	0.77	0.65-0.89	y	48.9	35.0-65.0
PCB-104	1.54	1.32-1.78	y	49.6	35.0-65.0
PCB-96	1.55	1.32-1.78	y	49.7	35.0-65.0
PCB-103	1.54	1.32-1.78	y	49.9	35.0-65.0
PCB-100	1.52	1.32-1.78	y	49.1	35.0-65.0
PCB-94	1.53	1.32-1.78	y	50.6	35.0-65.0
PCB-95/98/102	1.54	1.32-1.78	y	150.1	105-195
PCB-93	1.59	1.32-1.78	y	49.0	35.0-65.0
PCB-88/91	1.54	1.32-1.78	y	100.6	70.0-130
PCB-121	1.55	1.32-1.78	y	50.9	35.0-65.0

Analyst: [signature]

Date: 9.30.03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST030929E1-3 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 030929E1 S#3 Analysis Date: 29-SEP-03 Time: 14:07:02

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-84/92	1.52	1.32-1.78	y	98.8	70.0-130
PCB-89	1.53	1.32-1.78	y	50.4	35.0-65.0
PCB-90/101	1.54	1.32-1.78	y	99.3	70.0-130
PCB-113	1.52	1.32-1.78	y	51.1	35.0-65.0
PCB-99	1.56	1.32-1.78	y	48.4	35.0-65.0
PCB-119	1.54	1.32-1.78	y	49.2	35.0-65.0
PCB-108/112	1.54	1.32-1.78	y	98.3	70.0-130
PCB-83	1.56	1.32-1.78	y	49.5	35.0-65.0
PCB-97	1.55	1.32-1.78	y	48.6	35.0-65.0
PCB-86	1.52	1.32-1.78	y	50.6	35.0-65.0
PCB-87/117/125	1.59	1.32-1.78	y	144.5	105-195
PCB-111/115	1.49	1.32-1.78	y	98.5	70.0-130
PCB-85/116	1.55	1.32-1.78	y	97.2	70.0-130
PCB-120	1.52	1.32-1.78	y	49.9	35.0-65.0
PCB-110	1.54	1.32-1.78	y	48.4	35.0-65.0
PCB-82	1.53	1.32-1.78	y	48.7	35.0-65.0
PCB-124	1.53	1.32-1.78	y	47.9	35.0-65.0
PCB-107/109	1.54	1.32-1.78	y	100.6	70.0-130
PCB-123	1.53	1.32-1.78	y	49.3	35.0-65.0
PCB-106/118	1.54	1.32-1.78	y	98.1	70.0-130
PCB-114	1.62	1.32-1.78	y	49.9	35.0-65.0
PCB-122	1.67	1.32-1.78	y	51.1	35.0-65.0
PCB-105	1.73	1.32-1.78	y	50.6	35.0-65.0
PCB-127	1.74	1.32-1.78	y	50.0	35.0-65.0
PCB-126	1.79	1.32-1.78	y	48.2	35.0-65.0
PCB-155	1.24	1.06-1.43	y	49.6	35.0-65.0
PCB-150	1.24	1.06-1.43	y	48.3	35.0-65.0
PCB-152	1.23	1.06-1.43	y	47.6	35.0-65.0
PCB-145	1.24	1.06-1.43	y	48.4	35.0-65.0
PCB-136	1.29	1.06-1.43	y	48.8	35.0-65.0
PCB-148	1.17	1.06-1.43	y	49.0	35.0-65.0
PCB-154	1.23	1.06-1.43	y	49.2	35.0-65.0
PCB-151	1.25	1.06-1.43	y	49.9	35.0-65.0
PCB-135	1.23	1.06-1.43	y	49.7	35.0-65.0
PCB-144	1.24	1.06-1.43	y	49.4	35.0-65.0
PCB-147	1.24	1.06-1.43	y	48.3	35.0-65.0
PCB-139/149	1.24	1.06-1.43	y	96.6	70.0-130

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-140	1.24	1.06-1.43	y	49.3	35.0-65.0
PCB-134/143	1.20	1.06-1.43	y	97.1	70.0-130
PCB-133/142	1.21	1.06-1.43	y	97.3	70.0-130
PCB-131	1.23	1.06-1.43	y	49.1	35.0-65.0
PCB-146/165	1.21	1.06-1.43	y	98.6	70.0-130
PCB-132/161	1.21	1.06-1.43	y	96.5	70.0-130
PCB-153	1.22	1.06-1.43	y	50.3	35.0-65.0
PCB-168	1.21	1.06-1.43	y	48.2	35.0-65.0
PCB-141	1.22	1.06-1.43	y	48.7	35.0-65.0
PCB-137	1.20	1.06-1.43	y	48.5	35.0-65.0
PCB-130	1.21	1.06-1.43	y	47.7	35.0-65.0
PCB-138/163/164	1.21	1.06-1.43	y	144.6	105-195
PCB-158/160	1.21	1.06-1.43	y	95.8	70.0-130
PCB-129	1.19	1.06-1.43	y	48.6	35.0-65.0
PCB-166	1.22	1.06-1.43	y	49.3	35.0-65.0
PCB-159	1.21	1.06-1.43	y	49.0	35.0-65.0
PCB-128/162	1.21	1.06-1.43	y	98.4	70.0-130
PCB-167	1.22	1.06-1.43	y	49.3	35.0-65.0
PCB-156	1.23	1.06-1.43	y	47.9	35.0-65.0
PCB-157	1.21	1.06-1.43	y	48.8	35.0-65.0
PCB-169	1.24	1.06-1.43	y	48.0	35.0-65.0
PCB-188	1.06	0.88-1.19	y	50.2	35.0-65.0
PCB-184	1.06	0.88-1.19	y	49.4	35.0-65.0
PCB-179	1.06	0.88-1.19	y	50.3	35.0-65.0
PCB-176	1.06	0.88-1.19	y	50.9	35.0-65.0
PCB-186	1.04	0.88-1.19	y	50.0	35.0-65.0
PCB-178	1.05	0.88-1.19	y	49.0	35.0-65.0
PCB-175	1.08	0.88-1.19	y	49.7	35.0-65.0
PCB-182/187	1.06	0.88-1.19	y	98.6	70.0-130
PCB-183	1.07	0.88-1.19	y	50.2	35.0-65.0
PCB-185	1.04	0.88-1.19	y	49.3	35.0-65.0
PCB-174	1.06	0.88-1.19	y	49.6	35.0-65.0
PCB-181	1.05	0.88-1.19	y	48.3	35.0-65.0
PCB-177	1.03	0.88-1.19	y	48.9	35.0-65.0
PCB-171	1.04	0.88-1.19	y	47.8	35.0-65.0
PCB-173	1.03	0.88-1.19	y	48.9	35.0-65.0
PCB-172	1.06	0.88-1.19	y	49.0	35.0-65.0

Analyst: [illegible]

Date: 9.30.03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST030929E1-3 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 030929E1 S#3 Analysis Date: 29-SEP-03 Time: 14:07:02

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.06	0.88-1.19	y	49.0	35.0-65.0
PCB-180	1.05	0.88-1.19	y	49.3	35.0-65.0
PCB-193	1.03	0.88-1.19	y	49.4	35.0-65.0
PCB-191	1.05	0.88-1.19	y	49.3	35.0-65.0
PCB-170	1.07	0.88-1.19	y	48.5	35.0-65.0
PCB-190	1.06	0.88-1.19	y	49.6	35.0-65.0
PCB-189	1.05	0.88-1.19	y	47.4	35.0-65.0
PCB-202	0.89	0.76-1.02	y	73.2	52.5-97.5
PCB-201	0.88	0.76-1.02	y	73.9	52.5-97.5
PCB-204	0.87	0.76-1.02	y	72.5	52.5-97.5
PCB-197	0.87	0.76-1.02	y	74.3	52.5-97.5
PCB-200	0.88	0.76-1.02	y	75.6	52.5-97.5
PCB-198	0.88	0.76-1.02	y	72.3	52.5-97.5
PCB-199	0.89	0.76-1.02	y	72.3	52.5-97.5
PCB-196/203	0.87	0.76-1.02	y	145.6	105-195
PCB-195	0.91	0.76-1.02	y	72.1	52.5-97.5
PCB-194	0.92	0.76-1.02	y	75.5	52.5-97.5
PCB-205	0.92	0.76-1.02	y	73.7	52.5-97.5
PCB-208	1.34	1.14-1.54	y	74.1	52.5-97.5
PCB-207	1.35	1.14-1.54	y	76.0	52.5-97.5
PCB-206	1.32	1.14-1.54	y	74.0	52.5-97.5
PCB-209	1.20	0.99-1.34	y	72.4	52.5-97.5

Analyst: [signature]

Date: 9.30.03

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST030929E1-6 Instrument ID: VG-8

Initial Calibration Date: ICal ID: PCBVG8-9-29-03-AIR GC Column ID: DB-1

VER Data Filename: 030929E1 S#7 Analysis Date: 29-SEP-03 Time: 18:08:16

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.04	2.66-3.60	y	91.4	50.0-150
13C-PCB-3	3.06	2.66-3.60	y	90.6	50.0-150
13C-PCB-4	1.59	1.33-1.81	y	101.0	50.0-150
13C-PCB-9	1.64	1.33-1.81	y	91.5	50.0-150
13C-PCB-19	1.03	0.88-1.20	y	100.5	50.0-150
13C-PCB-32	1.06	0.88-1.20	y	94.2	50.0-150
13C-PCB-28	1.08	0.88-1.20	y	94.7	50.0-150
13C-PCB-37	1.09	0.88-1.20	y	93.8	50.0-150
13C-PCB-54	0.80	0.65-0.89	y	84.4	50.0-150
13C-PCB-81	0.79	0.65-0.89	y	91.1	50.0-150
13C-PCB-77	0.77	0.65-0.89	y	89.9	50.0-150
13C-PCB-104	1.63	1.33-1.81	y	97.8	50.0-150
13C-PCB-95	1.60	1.33-1.81	y	92.5	50.0-150
13C-PCB-101	1.65	1.33-1.81	y	94.5	50.0-150
13C-PCB-123	1.63	1.33-1.81	y	97.7	50.0-150
13C-PCB-118	1.66	1.33-1.81	y	89.2	50.0-150
13C-PCB-114	1.60	1.33-1.81	y	84.3	50.0-150
13C-PCB-105	1.63	1.33-1.81	y	91.5	50.0-150
13C-PCB-126	1.56	1.33-1.81	y	85.4	50.0-150
13C-PCB-155	1.27	1.05-1.43	y	95.4	50.0-150
13C-PCB-153	1.27	1.05-1.43	y	87.8	50.0-150
13C-PCB-167	1.26	1.05-1.43	y	89.4	50.0-150
13C-PCB-156	1.25	1.05-1.43	y	87.7	50.0-150
13C-PCB-157	1.27	1.05-1.43	y	84.2	50.0-150
13C-PCB-169	1.24	1.05-1.43	y	88.6	50.0-150
13C-PCB-188	0.46	0.38-0.52	y	88.0	50.0-150
13C-PCB-180	0.45	0.38-0.52	y	88.5	50.0-150
13C-PCB-170	0.45	0.38-0.52	y	88.9	50.0-150
13C-PCB-189	0.45	0.38-0.52	y	90.2	50.0-150
13C-PCB-202	0.88	0.76-1.02	y	90.6	50.0-150
13C-PCB-194	0.91	0.76-1.02	y	93.0	50.0-150
13C-PCB-208	0.79	0.66-0.99	y	88.1	50.0-150
13C-PCB-206	0.76	0.66-0.99	y	88.5	50.0-150
13C-PCB-209	1.21	0.99-1.35	y	81.6	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.80	0.65-0.89	y	102.9	70 - 130
13C-PCB-178	0.45	0.38-0.52	y	103.4	70 - 130

Analyst: [signature]

Date: 9.30.03

Client ID: PCB 209 CS3 030916G Filename: 030929E1 S:3 Acq:29-SEP-03 14:07:02 ConCal: ST030929E1-3
Lab ID: ST030929E1-3 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Mono	PCB-1	2.62e+07	2.93 y	15:15	1.00	24.6
Mono	PCB-2	2.45e+07	2.92 y	17:29	0.84	25.0
Mono	PCB-3	2.84e+07	2.93 y	17:43	0.96	25.3
Di	PCB-4/10	4.72e+07	1.62 y	18:59	1.81	47.9
Di	PCB-7/9	5.90e+07	1.64 y	20:38	1.48	48.1
Di	PCB-6	2.91e+07	1.72 y	21:14	1.48	23.7
Di	PCB-5/8	5.81e+07	1.68 y	21:37	1.44	48.9
Di	PCB-14	2.87e+07	1.68 y	22:39	1.51	23.0
Di	PCB-11	2.83e+07	1.67 y	23:44	1.45	23.6
Di	PCB-12/13	5.90e+07	1.67 y	24:06	1.50	47.5
Di	PCB-15	3.34e+07	1.65 y	24:23	1.70	23.8
Tri	PCB-19	1.72e+07	1.04 y	22:47	1.18	24.8
Tri	PCB-30	2.43e+07	1.04 y	23:38	1.67	24.8
Tri	PCB-18	1.69e+07	1.04 y	24:18	0.69	25.1
Tri	PCB-17	1.88e+07	1.04 y	24:28	0.78	24.7
Tri	PCB-24/27	4.79e+07	1.02 y	24:60	0.99	49.6
Tri	PCB-16/32	4.12e+07	1.03 y	25:27	0.85	49.7
Tri	PCB-34	2.75e+07	1.08 y	26:12	1.19	25.0
Tri	PCB-23	3.00e+07	1.07 y	26:18	1.33	24.5
Tri	PCB-29	3.06e+07	1.08 y	26:32	1.35	24.5
Tri	PCB-26	2.92e+07	1.07 y	26:42	1.28	24.7
Tri	PCB-25	3.05e+07	1.07 y	26:52	1.33	24.8
Tri	PCB-31	3.00e+07	1.07 y	27:11	1.30	25.0
Tri	PCB-28	3.51e+07	1.09 y	27:17	1.54	24.6
Tri	CB-20/21/33	8.45e+07	1.10 y	27:50	1.27	71.8
Tri	PCB-22	3.00e+07	1.10 y	28:15	1.33	24.4
Tri	PCB-36	2.89e+07	1.08 y	28:49	1.47	25.4
Tri	PCB-39	2.94e+07	1.09 y	29:15	1.57	24.1
Tri	PCB-38	2.92e+07	1.08 y	29:58	1.46	25.8
Tri	PCB-35	2.74e+07	1.11 y	30:26	1.42	24.8
Tri	PCB-37	3.01e+07	1.10 y	30:50	1.57	24.7
Tetra	PCB-54	4.21e+07	0.75 y	26:14	0.99	49.7
Tetra	PCB-50	3.08e+07	0.74 y	27:19	0.73	49.2
Tetra	PCB-53	2.94e+07	0.76 y	27:54	0.71	48.3
Tetra	PCB-51	3.02e+07	0.76 y	28:13	0.72	48.9
Tetra	PCB-45	2.64e+07	0.77 y	28:36	0.62	49.5
Tetra	PCB-46	2.64e+07	0.77 y	29:02	0.60	51.2

Type	Name	Resp	RA	RT	RRF	Conc
Tetra	PCB-52/69	6.73e+07	0.76 y	29:30	0.81	97.6
Tetra	PCB-73	3.76e+07	0.77 y	29:36	0.90	48.7
Tetra	PCB-43/49	5.80e+07	0.76 y	29:45	0.71	96.1
Tetra	PCB-47	2.99e+07	0.75 y	29:57	0.73	48.2
Tetra	PCB-48/75	7.47e+07	0.76 y	30:03	0.86	102
Tetra	PCB-65	3.73e+07	0.77 y	30:18	0.86	50.7
Tetra	PCB-62	3.36e+07	0.78 y	30:23	0.83	47.5
Tetra	PCB-44	2.49e+07	0.78 y	30:40	0.61	47.7
Tetra	PCB-42/59	6.48e+07	0.76 y	30:52	0.79	96.2
Tetra	41/64/71/72	1.46e+08	0.77 y	31:25	0.88	195
Tetra	PCB-68	4.08e+07	0.76 y	31:39	0.97	49.5
Tetra	PCB-40	2.27e+07	0.77 y	31:50	0.53	50.0
Tetra	PCB-57	3.88e+07	0.76 y	32:11	1.09	51.1
Tetra	PCB-67	4.06e+07	0.76 y	32:27	1.12	52.0
Tetra	PCB-58	3.80e+07	0.78 y	32:34	1.08	50.5
Tetra	PCB-63	3.93e+07	0.75 y	32:42	1.09	52.0
Tetra	PCB-74	4.20e+07	0.75 y	32:58	1.15	52.4
Tetra	PCB-61	2.81e+07	0.75 y	33:04	0.91	44.4
Tetra	PCB-70	4.49e+07	0.78 y	33:09	1.14	56.8
Tetra	PCB-76	3.03e+07	0.75 y	33:16	0.99	44.1
Tetra	PCB-66	5.06e+07	0.78 y	33:20	1.31	55.4
Tetra	PCB-80	4.54e+07	0.77 y	33:33	1.28	50.8
Tetra	PCB-55	3.97e+07	0.76 y	33:49	1.10	51.9
Tetra	PCB-56/60	7.72e+07	0.76 y	34:16	1.09	102
Tetra	PCB-79	3.80e+07	0.77 y	35:16	1.12	48.9
Tetra	PCB-78	3.82e+07	0.76 y	35:53	1.08	50.8
Tetra	PCB-81	4.02e+07	0.76 y	36:22	1.16	49.8
Tetra	PCB-77	3.79e+07	0.77 y	36:54	1.06	48.9
Penta	PCB-104	3.29e+07	1.54 y	30:32	1.16	49.6
Penta	PCB-96	3.15e+07	1.55 y	31:40	1.10	49.7
Penta	PCB-103	2.62e+07	1.54 y	32:11	0.91	49.9
Penta	PCB-100	2.55e+07	1.52 y	32:31	0.90	49.1
Penta	PCB-94	2.17e+07	1.53 y	32:55	0.98	50.6
Penta	B-95/98/102	7.18e+07	1.54 y	33:22	1.09	150
Penta	PCB-93	2.15e+07	1.59 y	33:29	1.00	49.0
Penta	PCB-88/91	4.40e+07	1.54 y	33:45	1.00	101
Penta	PCB-121	3.32e+07	1.55 y	33:52	1.49	50.9

RL: MONO, TRI: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____

Integrations by Analyst: [signature]

Date: 9.30.03

Client ID: PCB 209 CS3 030916G Filename: 030929E1 S:3 Acq:29-SEP-03 14:07:02 ConCal: ST030929E1-3
Lab ID: ST030929E1-3 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Penta	PCB-84/92	4.46e+07	1.52 y	34:36	1.01	98.8
Penta	PCB-89	2.16e+07	1.53 y	34:46	0.96	50.4
Penta	PCB-90/101	5.04e+07	1.54 y	34:57	1.14	99.3
Penta	PCB-113	2.72e+07	1.52 y	35:10	1.19	51.1
Penta	PCB-99	2.73e+07	1.56 y	35:16	1.27	48.4
Penta	PCB-119	3.17e+07	1.54 y	35:40	1.45	49.2
Penta	PCB-108/112	5.03e+07	1.54 y	35:48	1.15	98.3
Penta	PCB-83	2.88e+07	1.56 y	35:58	1.31	49.5
Penta	PCB-97	2.22e+07	1.55 y	36:08	1.02	48.6
Penta	PCB-86	2.05e+07	1.52 y	36:16	0.91	50.6
Penta	-87/117/125	8.50e+07	1.59 y	36:23	1.32	145
Penta	PCB-111/115	6.43e+07	1.49 y	36:32	1.46	98.5
Penta	PCB-85/116	5.22e+07	1.55 y	36:39	1.21	97.2
Penta	PCB-120	3.39e+07	1.52 y	36:53	1.53	49.9
Penta	PCB-110	3.16e+07	1.54 y	36:60	1.47	48.4
Penta	PCB-82	1.82e+07	1.53 y	37:33	0.70	48.7
Penta	PCB-124	3.02e+07	1.53 y	38:11	1.17	47.9
Penta	PCB-107/109	6.56e+07	1.54 y	38:19	1.21	101
Penta	PCB-123	3.06e+07	1.53 y	38:29	1.15	49.3
Penta	PCB-106/118	6.25e+07	1.54 y	38:40	1.06	98.1
Penta	PCB-114	4.03e+07	1.62 y	39:13	1.40	49.9
Penta	PCB-122	3.99e+07	1.67 y	39:21	1.45	51.1
Penta	PCB-105	3.91e+07	1.73 y	40:00	1.44	50.6
Penta	PCB-127	3.63e+07	1.74 y	40:20	1.35	50.0
Penta	PCB-126	3.54e+07	1.79 y	42:03	1.41	48.2
Hexa	PCB-155	3.32e+07	1.24 y	34:33	1.12	49.6
Hexa	PCB-150	2.99e+07	1.24 y	35:40	1.04	48.3
Hexa	PCB-152	2.91e+07	1.23 y	36:06	1.03	47.6
Hexa	PCB-145	2.93e+07	1.24 y	36:31	1.02	48.4
Hexa	PCB-136	2.90e+07	1.29 y	36:48	1.00	48.8
Hexa	PCB-148	2.30e+07	1.17 y	36:55	0.79	49.0
Hexa	PCB-154	2.68e+07	1.23 y	37:22	0.92	49.2
Hexa	PCB-151	2.14e+07	1.25 y	37:56	0.72	49.9
Hexa	PCB-135	2.09e+07	1.23 y	38:07	0.70	49.7
Hexa	PCB-144	2.26e+07	1.24 y	38:14	0.77	49.4
Hexa	PCB-147	2.38e+07	1.24 y	38:21	0.83	48.3
Hexa	PCB-139/149	4.60e+07	1.24 y	38:35	0.80	96.6

Type	Name	Resp	RA	RT	RRF	Conc
Hexa	PCB-140	2.35e+07	1.24 y	38:45	0.80	49.3
Hexa	PCB-134/143	4.00e+07	1.20 y	39:09	0.74	97.1
Hexa	PCB-133/142	4.03e+07	1.21 y	39:26	0.74	97.3
Hexa	PCB-131	1.98e+07	1.23 y	39:34	0.72	49.1
Hexa	PCB-146/165	5.56e+07	1.21 y	39:46	1.01	98.6
Hexa	PCB-132/161	5.14e+07	1.21 y	39:60	0.96	96.5
Hexa	PCB-153	2.88e+07	1.22 y	40:10	1.03	50.3
Hexa	PCB-168	2.99e+07	1.21 y	40:21	1.11	48.2
Hexa	PCB-141	2.41e+07	1.22 y	40:50	0.89	48.7
Hexa	PCB-137	2.26e+07	1.20 y	41:10	0.84	48.5
Hexa	PCB-130	2.05e+07	1.21 y	41:15	0.77	47.7
Hexa	138/163/164	8.80e+07	1.21 y	41:36	1.09	145
Hexa	PCB-158/160	6.20e+07	1.21 y	41:50	1.16	95.8
Hexa	PCB-129	1.99e+07	1.19 y	42:02	0.73	48.6
Hexa	PCB-166	2.91e+07	1.22 y	42:27	0.93	49.3
Hexa	PCB-159	3.08e+07	1.21 y	42:46	0.99	49.0
Hexa	PCB-128/162	5.21e+07	1.21 y	43:01	0.84	98.4
Hexa	PCB-167	3.01e+07	1.22 y	43:23	0.97	49.3
Hexa	PCB-156	3.08e+07	1.23 y	44:33	1.04	47.9
Hexa	PCB-157	3.07e+07	1.21 y	44:47	0.96	48.8
Hexa	PCB-169	2.84e+07	1.24 y	46:46	0.96	48.0
Hepta	PCB-188	3.31e+07	1.06 y	39:49	1.47	50.2
Hepta	PCB-184	3.28e+07	1.06 y	40:13	1.48	49.4
Hepta	PCB-179	3.11e+07	1.06 y	40:55	1.38	50.3
Hepta	PCB-176	3.06e+07	1.06 y	41:20	1.34	50.9
Hepta	PCB-186	3.09e+07	1.04 y	41:53	1.38	50.0
Hepta	PCB-178	2.18e+07	1.05 y	42:20	0.99	49.0
Hepta	PCB-175	2.17e+07	1.08 y	42:39	0.98	49.7
Hepta	PCB-182/187	5.10e+07	1.06 y	42:49	1.16	98.6
Hepta	PCB-183	2.51e+07	1.07 y	43:06	1.12	50.2
Hepta	PCB-185	2.20e+07	1.04 y	43:42	1.38	49.3
Hepta	PCB-174	2.35e+07	1.06 y	44:01	1.46	49.6
Hepta	PCB-181	2.23e+07	1.05 y	44:07	1.42	48.3
Hepta	PCB-177	2.14e+07	1.03 y	44:16	1.35	48.9
Hepta	PCB-171	2.25e+07	1.04 y	44:32	1.45	47.8
Hepta	PCB-173	2.04e+07	1.03 y	44:55	1.29	48.9
Hepta	PCB-172	2.07e+07	1.06 y	45:20	1.30	49.0

RL: MONO, TRI: _____ Integrations by Analyst: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 9.30.03

Client ID: PCB 209 CS3 030916G Filename: 030929E1 S:3 Acq:29-SEP-03 14:07:02 ConCal: ST030929E1-3 Page 1 of

Lab ID: ST030929E1-3 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Hepta	PCB-192	2.70e+07	1.06 y	45:31	1.70	49.0
Hepta	PCB-180	2.40e+07	1.05 y	45:42	1.50	49.3
Hepta	PCB-193	3.11e+07	1.03 y	45:53	1.94	49.4
Hepta	PCB-191	2.87e+07	1.05 y	46:07	1.79	49.3
Hepta	PCB-170	1.99e+07	1.07 y	47:05	1.54	48.5
Hepta	PCB-190	2.68e+07	1.06 y	47:15	2.02	49.6
Hepta	PCB-189	2.76e+07	1.05 y	48:29	1.42	47.4
Octa	PCB-202	3.69e+07	0.89 y	44:42	1.00	73.2
Octa	PCB-201	3.66e+07	0.88 y	45:09	0.99	73.9
Octa	PCB-204	3.70e+07	0.87 y	45:18	1.02	72.5
Octa	PCB-197	3.86e+07	0.87 y	45:34	1.04	74.3
Octa	PCB-200	3.71e+07	0.88 y	46:23	0.98	75.6
Octa	PCB-198	2.47e+07	0.88 y	47:37	0.68	72.3
Octa	PCB-199	2.69e+07	0.89 y	47:44	0.74	72.3
Octa	PCB-196/203	5.80e+07	0.87 y	47:59	0.79	146
Octa	PCB-195	3.17e+07	0.91 y	49:05	1.18	72.1
Octa	PCB-194	3.59e+07	0.92 y	49:53	1.28	75.5
Octa	PCB-205	4.59e+07	0.92 y	50:08	1.67	73.7
Nona	PCB-208	3.52e+07	1.34 y	49:12	0.94	74.1
Nona	PCB-207	3.20e+07	1.35 y	49:30	0.84	76.0
Nona	PCB-206	2.31e+07	1.32 y	51:19	0.88	74.0
Deca	PCB-209	4.08e+07	1.20 y	52:31	1.11	72.4

Type	Name	Resp	RA	RT	RRF	Conc	
Tot F:1	Total Mono-PCB	7.91e+07	2.93 y	15:15	0.93	74.8	
Tot F:2	Total Di-PCB	3.44e+08	1.62 y	18:59	1.51	287	
Tot F:2	Total Tri-PCB	1.66e+08	1.04 y	22:47	0.99	199	
Tot F:3	Total Tri-PCB	4.91e+08	1.08 y	26:12	1.38	410	Sum:608
Tot F:3	Total Tetra-PCB	1.50e+09	0.75 y	26:14	0.81	2100	
Tot F:3	Total Penta-PCB	1.11e+09	1.54 y	30:32	1.10	2030	
Tot F:4	Total Penta-PCB	2.01e+08	1.62 y	39:13	1.41	263	Sum:2290
Tot F:3	Total Hexa-PCB	3.58e+08	1.24 y	34:33	0.88	684	
Tot F:4	Total Hexa-PCB	7.43e+08	1.20 y	39:09	0.92	1380	Sum:2060
Tot F:4	Total Hepta-PCB	6.24e+08	1.06 y	39:49	1.37	1200	
Tot F:4	Total Octa-PCB	2.96e+08	0.89 y	44:42	0.89	660	
Tot F:5	Total Octa-PCB	1.17e+08	0.91 y	49:05	1.38	228	Sum:887
Tot F:5	Total Nona-PCB	9.10e+07	1.34 y	49:12	0.89	226	
Tot F:5	Total Deca-PCB	4.08e+07	1.20 y	52:31	1.11	72.4	

RL: MONO, TRI: _____ Integrations by

RL: DI, TETRA - HEPTA: _____ Analyst: [illegible]

RL: OCTA - DECA: _____ Date: 9.30-03

Client ID: PCB 209 CS3 030916G Filename: 030929E1 S:3 Acq:29-SEP-03 14:07:02 ConCal: ST030929E1-3
Lab ID: ST030929E1-3 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA		RT	RRF	Conc	Rec
Mono-IS	13C-PCB-1	1.07e+08	3.07	y	15:14	1.09	105	105
Mono-IS	13C-PCB-3	1.16e+08	3.18	y	17:42	1.24	100	100
Di-IS	13C-PCB-4	5.45e+07	1.60	y	18:56	0.59	99.0	99.0
Di-IS	13C-PCB-9	8.28e+07	1.60	y	20:36	0.90	98.3	98.3
Tri-IS	13C-PCB-19	5.87e+07	1.06	y	22:46	0.70	97.3	97.3
Tri-IS	13C-PCB-32	9.77e+07	1.05	y	25:27	1.18	96.0	96.0
Tri-IS	13C-PCB-28	9.23e+07	1.10	y	27:16	1.09	97.9	97.9
Tri-IS	13C-PCB-37	7.76e+07	1.11	y	30:49	0.93	96.6	96.6
Tetra-IS	13C-PCB-54	8.54e+07	0.78	y	26:12	1.15	100	100
Tetra-IS	13C-PCB-81	6.96e+07	0.79	y	36:21	0.98	95.8	95.8
Tetra-IS	13C-PCB-77	7.30e+07	0.80	y	36:53	1.01	97.4	97.4
Penta-IS	13C-PCB-104	5.74e+07	1.62	y	30:30	0.93	101	101
Penta-IS	13C-PCB-95	4.37e+07	1.66	y	33:24	0.73	99.1	99.1
Penta-IS	13C-PCB-101	4.46e+07	1.61	y	34:56	0.73	100	100
Penta-IS	13C-PCB-123	5.38e+07	1.58	y	38:27	0.87	101	101
Penta-IS	13C-PCB-118	6.02e+07	1.60	y	38:37	0.98	101	101
Penta-IS	13C-PCB-114	5.77e+07	1.62	y	39:13	1.13	101	101
Penta-IS	13C-PCB-105	5.38e+07	1.59	y	39:60	1.09	97.9	97.9
Penta-IS	13C-PCB-126	5.21e+07	1.63	y	42:03	1.06	97.7	97.7
Hexa-IS	13C-PCB-155	5.96e+07	1.23	y	34:31	0.97	101	101
Hexa-IS	13C-PCB-153	5.57e+07	1.28	y	40:08	1.12	98.6	98.6
Hexa-IS	13C-PCB-167	6.33e+07	1.26	y	43:22	1.28	97.4	97.4
Hexa-IS	13C-PCB-156	6.15e+07	1.26	y	44:32	1.24	97.7	97.7
Hexa-IS	13C-PCB-157	6.57e+07	1.27	y	44:46	1.33	97.6	97.6
Hexa-IS	13C-PCB-169	6.16e+07	1.23	y	46:45	1.26	96.4	96.4
Hepta-IS	13C-PCB-188	4.48e+07	0.45	y	39:48	0.92	95.8	95.8
Hepta-IS	13C-PCB-180	3.24e+07	0.46	y	45:41	0.65	98.2	98.2
Hepta-IS	13C-PCB-170	2.67e+07	0.44	y	47:04	0.56	94.9	94.9
Hepta-IS	13C-PCB-189	4.10e+07	0.45	y	48:29	0.85	95.8	95.8
Octa-IS	13C-PCB-202	5.02e+07	0.92	y	44:41	1.02	97.7	97.7
Octa-IS	13C-PCB-194	3.72e+07	0.92	y	49:52	0.71	98.5	98.5
Nona-IS	13C-PCB-208	5.04e+07	0.79	y	49:11	0.94	101	101
Nona-IS	13C-PCB-206	3.56e+07	0.75	y	51:18	0.65	103	103
Deca-IS	13C-PCB-209	5.08e+07	1.21	y	52:31	0.97	98.5	98.5
Di-RS	13C-PCB-15	9.37e+07	1.59	y	24:22	1.00	100	-
Tri-RS	13C-PCB-31	8.63e+07	1.09	y	27:10	1.00	100	-
Tetra-RS	13C-PCB-60	7.43e+07	0.79	y	34:16	1.00	100	-
Penta-RS	13C-PCB-111	6.08e+07	1.65	y	36:31	1.00	100	-
Hexa-RS	13C-PCB-138	5.06e+07	1.25	y	41:34	1.00	100	-
Octa-RS	13C-PCB-205	5.31e+07	0.91	y	50:07	1.00	100	-

Type	Name	Resp	RA		RT	RRF	Conc	Rec
Tetra-PS	13C-PCB-52	5.89e+07	0.77	y	29:28	0.82	104	104
Hepta-PS	13C-PCB-178	2.94e+07	0.44	y	42:19	0.90	101	101

Integrations by Analyst: [signature]

Date: 9-30-03

Filename: 030929E1 S: 1 Acquired: 29-SEP-03 12:06:27
Run: 030929E1-ŋ Analyte: ICal: PCBVG8-9-29-03-AIR Results: 030929E1-ŋ
Sample text: ST030929E1-1 PCB 209 CS1 030916E

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Mono	PCB-1	0.25	2.94e+05	3.13 y	15:14	-	0.98
2	Mono	PCB-2	0.25	2.71e+05	3.09 y	17:28	-	0.80
3	Mono	PCB-3	0.25	3.17e+05	2.75 y	17:41	-	0.93
4	Di	PCB-4/10	1.00	1.19e+06	1.63 y	18:57	-	1.83
5	Di	PCB-7/9	1.00	1.52e+06	1.56 y	20:37	-	1.51
6	Di	PCB-6	0.50	7.86e+05	1.48 y	21:13	-	1.56
7	Di	PCB-5/8	1.00	1.36e+06	1.36 y	21:36	-	1.35
8	Di	PCB-14	0.50	8.88e+05	1.64 y	22:37	-	1.76
9	Di	PCB-11	0.50	8.02e+05	1.71 y	23:43	-	1.59
10	Di	PCB-12/13	1.00	1.59e+06	1.57 y	24:05	-	1.58
11	Di	PCB-15	0.50	9.37e+05	1.52 y	24:22	-	1.86
12	Tri	PCB-19	0.25	2.16e+05	1.19 y	22:46	-	1.16
13	Tri	PCB-30	0.25	2.84e+05	1.08 y	23:36	-	1.53
14	Tri	PCB-18	0.25	2.07e+05	1.06 y	24:17	-	0.67
15	Tri	PCB-17	0.25	2.48e+05	1.04 y	24:26	-	0.80
16	Tri	PCB-24/27	0.50	5.96e+05	1.02 y	24:58	-	0.97
17	Tri	PCB-16/32	0.50	5.16e+05	1.03 y	25:26	-	0.84
18	Tri	PCB-34	0.25	3.25e+05	1.16 y	26:10	-	1.15
19	Tri	PCB-23	0.25	3.52e+05	1.19 y	26:16	-	1.24
20	Tri	PCB-29	0.25	3.87e+05	1.16 y	26:30	-	1.37
21	Tri	PCB-26	0.25	3.49e+05	1.17 y	26:41	-	1.23
22	Tri	PCB-25	0.25	3.51e+05	0.96 y	26:51	-	1.24
23	Tri	PCB-31	0.25	3.60e+05	0.99 y	27:09	-	1.27
24	Tri	PCB-28	0.25	4.15e+05	1.11 y	27:15	-	1.47
25	Tri	PCB-20/21/33	0.75	1.02e+06	1.10 y	27:48	-	1.21
26	Tri	PCB-22	0.25	3.77e+05	1.19 y	28:13	-	1.33
27	Tri	PCB-36	0.25	3.35e+05	1.02 y	28:47	-	1.44
28	Tri	PCB-39	0.25	4.03e+05	1.10 y	29:14	-	1.73
29	Tri	PCB-38	0.25	3.53e+05	1.01 y	29:56	-	1.51
30	Tri	PCB-35	0.25	3.19e+05	1.12 y	30:24	-	1.37
31	Tri	PCB-37	0.25	3.52e+05	1.04 y	30:48	-	1.51
32	Tetra	PCB-54	0.50	5.10e+05	0.80 y	26:12	-	0.95
33	Tetra	PCB-50	0.50	3.81e+05	0.78 y	27:17	-	0.71
34	Tetra	PCB-53	0.50	3.44e+05	0.81 y	27:52	-	0.64
35	Tetra	PCB-51	0.50	3.60e+05	0.74 y	28:11	-	0.67
36	Tetra	PCB-45	0.50	3.27e+05	0.67 y	28:35	-	0.61
37	Tetra	PCB-46	0.50	3.01e+05	0.69 y	29:01	-	0.56
38	Tetra	PCB-52/69	1.00	8.02e+05	0.77 y	29:28	-	0.75

39	Tetra	PCB-73	0.50	4.34e+05	0.78 y	29:35	-	0.81
40	Tetra	PCB-43/49	1.00	7.19e+05	0.73 y	29:44	-	0.67
41	Tetra	PCB-47	0.50	3.28e+05	0.78 y	29:56	-	0.61
42	Tetra	PCB-48/75	1.00	8.60e+05	0.75 y	30:01	-	0.80
43	Tetra	PCB-65	0.50	4.28e+05	0.71 y	30:16	-	0.80
44	Tetra	PCB-62	0.50	3.86e+05	0.73 y	30:22	-	0.72
45	Tetra	PCB-44	0.50	3.18e+05	0.82 y	30:38	-	0.59
46	Tetra	PCB-42/59	1.00	7.32e+05	0.77 y	30:51	-	0.68
47	Tetra	PCB-41/64/71/72	2.00	1.61e+06	0.74 y	31:23	-	0.75
48	Tetra	PCB-68	0.50	4.47e+05	0.77 y	31:37	-	0.83
49	Tetra	PCB-40	0.50	2.66e+05	0.66 y	31:48	-	0.50
50	Tetra	PCB-57	0.50	4.43e+05	0.78 y	32:10	-	1.10
51	Tetra	PCB-67	0.50	4.39e+05	0.70 y	32:26	-	1.09

52	Tetra	PCB-58	0.50	4.16e+05	0.67 y	32:32	-	1.04
53	Tetra	PCB-63	0.50	4.42e+05	0.70 y	32:41	-	1.10
54	Tetra	PCB-74	0.50	4.54e+05	0.69 y	32:56	-	1.13
55	Tetra	PCB-61	0.50	3.88e+05	0.80 y	33:03	-	0.96
56	Tetra	PCB-70	0.50	4.13e+05	0.76 y	33:08	-	1.03
57	Tetra	PCB-76	0.50	4.35e+05	0.71 y	33:16	-	1.08
58	Tetra	PCB-66	0.50	4.83e+05	0.69 y	33:19	-	1.20
59	Tetra	PCB-80	0.50	4.91e+05	0.75 y	33:32	-	1.22
60	Tetra	PCB-55	0.50	4.21e+05	0.67 y	33:48	-	1.05
61	Tetra	PCB-56/60	1.00	8.96e+05	0.74 y	34:15	-	1.11
62	Tetra	PCB-79	0.50	4.56e+05	0.76 y	35:15	-	1.13
63	Tetra	PCB-78	0.50	4.01e+05	0.78 y	35:52	-	1.00
64	Tetra	PCB-81	0.50	4.49e+05	0.87 y	36:21	-	1.12
65	Tetra	PCB-77	0.50	4.21e+05	0.78 y	36:53	-	1.04
66	Penta	PCB-104	0.50	3.86e+05	1.45 y	30:30	-	1.08
67	Penta	PCB-96	0.50	3.65e+05	1.33 y	31:38	-	1.02
68	Penta	PCB-103	0.50	2.97e+05	1.55 y	32:10	-	0.83
69	Penta	PCB-100	0.50	3.00e+05	1.58 y	32:29	-	0.84
70	Penta	PCB-94	0.50	2.64e+05	1.38 y	32:54	-	1.00
71	Penta	PCB-95/98/102	1.50	8.57e+05	1.42 y	33:20	-	1.08
72	Penta	PCB-93	0.50	2.64e+05	1.66 y	33:27	-	1.00
73	Penta	PCB-88/91	1.00	5.32e+05	1.63 y	33:43	-	1.00
74	Penta	PCB-121	0.50	3.55e+05	1.34 y	33:51	-	1.34
75	Penta	PCB-84/92	1.00	5.30e+05	1.75 y	34:34	-	1.00
76	Penta	PCB-89	0.50	2.41e+05	1.79 y	34:45	-	0.91
77	Penta	PCB-90/101	1.00	5.92e+05	1.57 y	34:55	-	1.12
78	Penta	PCB-113	0.50	2.98e+05	1.59 y	35:08	-	1.13
79	Penta	PCB-99	0.50	3.26e+05	1.74 y	35:15	-	1.24
80	Penta	PCB-119	0.50	3.70e+05	1.44 y	35:39	-	1.40
81	Penta	PCB-108/112	1.00	5.77e+05	1.57 y	35:47	-	1.09
82	Penta	PCB-83	0.50	3.14e+05	1.69 y	35:56	-	1.19
83	Penta	PCB-97	0.50	2.66e+05	1.39 y	36:07	-	1.01
84	Penta	PCB-86	0.50	2.24e+05	1.34 y	36:15	-	0.85
85	Penta	PCB-87/117/125	1.50	1.01e+06	1.47 y	36:22	-	1.28
86	Penta	PCB-111/115	1.00	7.14e+05	1.57 y	36:31	-	1 35
87	Penta	PCB-85/116	1.00	6.03e+05	1.52 y	36:37	-	1.14
88	Penta	PCB-120	0.50	3.78e+05	1.37 y	36:52	-	1.43
89	Penta	PCB-110	0.50	3.91e+05	1.49 y	36:58	-	1.48
90	Penta	PCB-82	0.50	2.25e+05	1.38 y	37:31	-	0.73
91	Penta	PCB-124	0.50	3.38e+05	1.58 y	38:11	-	1.10
92	Penta	PCB-107/109	1.00	6.79e+05	1.55 y	38:17	-	1.11
93	Penta	PCB-123	0.50	3.72e+05	1.44 y	38:28	-	1.21
94	Penta	PCB-106/118	1.00	7.04e+05	1.48 y	38:38	-	1.04
95	Penta	PCB-114	0.50	3.97e+05	1.54 y	39:13	-	1.33
96	Penta	PCB-122	0.50	4.21e+05	1.64 y	39:20	-	1.45
97	Penta	PCB-105	0.50	3.89e+05	1.78 y	39:59	-	1.35
98	Penta	PCB-127	0.50	3.61e+05	1.50 y	40:19	-	1.25
99	Penta	PCB-126	0.50	3.95e+05	1.64 y	42:03	-	1.39

100	Hexa	PCB-155	0.50	3.90e+05	1.19	y	34:31	-	1.06
101	Hexa	PCB-150	0.50	3.61e+05	1.19	y	35:39	-	0.98
102	Hexa	PCB-152	0.50	3.53e+05	1.21	y	36:04	-	0.96
103	Hexa	PCB-145	0.50	3.38e+05	1.32	y	36:29	-	0.92
104	Hexa	PCB-136	0.50	3.40e+05	1.12	y	36:46	-	0.92
105	Hexa	PCB-148	0.50	2.63e+05	1.43	y	36:53	-	0.72
106	Hexa	PCB-154	0.50	3.24e+05	1.21	y	37:21	-	0.88
107	Hexa	PCB-151	0.50	2.40e+05	1.32	y	37:54	-	0.65
108	Hexa	PCB-135	0.50	2.51e+05	1.31	y	38:06	-	0.68
109	Hexa	PCB-144	0.50	2.41e+05	1.06	y	38:13	-	0.66
110	Hexa	PCB-147	0.50	2.69e+05	1.15	y	38:20	-	0.73
111	Hexa	PCB-139/149	1.00	5.31e+05	1.22	y	38:34	-	0.72
112	Hexa	PCB-140	0.50	2.68e+05	1.20	y	38:44	-	0.73

113	Hexa	PCB-134/143	1.00	4.55e+05	1.21 y	39:07	-	0.68
114	Hexa	PCB-133/142	1.00	4.46e+05	1.18 y	39:24	-	0.67
115	Hexa	PCB-131	0.50	2.27e+05	1.20 y	39:32	-	0.68
116	Hexa	PCB-146/165	1.00	6.15e+05	1.23 y	39:45	-	0.92
117	Hexa	PCB-132/161	1.00	6.09e+05	1.22 y	39:58	-	0.91
118	Hexa	PCB-153	0.50	3.27e+05	1.26 y	40:08	-	0.98
119	Hexa	PCB-168	0.50	3.41e+05	1.24 y	40:20	-	1.02
120	Hexa	PCB-141	0.50	2.82e+05	1.26 y	40:49	-	0.85
121	Hexa	PCB-137	0.50	2.56e+05	1.25 y	41:08	-	0.77
122	Hexa	PCB-130	0.50	2.40e+05	1.21 y	41:14	-	0.72
123	Hexa	PCB-138/163/164	1.50	1.00e+06	1.22 y	41:35	-	1.00
124	Hexa	PCB-158/160	1.00	7.26e+05	1.29 y	41:48	-	1.09
125	Hexa	PCB-129	0.50	2.32e+05	1.19 y	42:01	-	0.70
126	Hexa	PCB-166	0.50	3.38e+05	1.32 y	42:26	-	0.91
127	Hexa	PCB-159	0.50	3.55e+05	1.26 y	42:44	-	0.95
128	Hexa	PCB-128/162	1.00	5.97e+05	1.21 y	43:00	-	0.80
129	Hexa	PCB-167	0.50	3.56e+05	1.18 y	43:21	-	0.96
130	Hexa	PCB-156	0.50	3.74e+05	1.06 y	44:32	-	1.06
131	Hexa	PCB-157	0.50	3.71e+05	1.26 y	44:46	-	0.98
132	Hexa	PCB-169	0.50	3.63e+05	1.32 y	46:45	-	1.01
133	Hepta	PCB-188	0.50	3.74e+05	0.92 y	39:48	-	1.41
134	Hepta	PCB-184	0.50	4.04e+05	1.05 y	40:12	-	1.53
135	Hepta	PCB-179	0.50	3.68e+05	0.97 y	40:53	-	1.39
136	Hepta	PCB-176	0.50	3.39e+05	1.02 y	41:19	-	1.28
137	Hepta	PCB-186	0.50	3.68e+05	1.14 y	41:51	-	1.39
138	Hepta	PCB-178	0.50	2.82e+05	0.97 y	42:19	-	1.07
139	Hepta	PCB-175	0.50	2.46e+05	1.13 y	42:39	-	0.93
140	Hepta	PCB-182/187	1.00	6.16e+05	1.03 y	42:48	-	1.16
141	Hepta	PCB-183	0.50	2.91e+05	0.96 y	43:05	-	1.10
142	Hepta	PCB-185	0.50	2.45e+05	0.89 y	43:41	-	1.29
143	Hepta	PCB-174	0.50	2.58e+05	1.10 y	44:00	-	1.35
144	Hepta	PCB-181	0.50	2.86e+05	1.02 y	44:07	-	1.50
145	Hepta	PCB-177	0.50	2.61e+05	1.16 y	44:15	-	1.37
146	Hepta	PCB-171	0.50	2.75e+05	0.95 y	44:31	-	1.44
147	Hepta	PCB-173	0.50	2.34e+05	0.97 y	44:54	-	1.23
148	Hepta	PCB-172	0.50	2.08e+05	1.13 y	45:19	-	1.09
149	Hepta	PCB-192	0.50	2.97e+05	1.02 y	45:30	-	1.56
150	Hepta	PCB-180	0.50	2.77e+05	1.04 y	45:40	-	1.45
151	Hepta	PCB-193	0.50	3.48e+05	0.96 y	45:52	-	1.83
152	Hepta	PCB-191	0.50	3.34e+05	1.09 y	46:06	-	1.75
153	Hepta	PCB-170	0.50	2.53e+05	1.01 y	47:04	-	1.52
154	Hepta	PCB-190	0.50	3.22e+05	1.12 y	47:13	-	1.93
155	Hepta	PCB-189	0.50	3.57e+05	0.97 y	48:28	-	1.53
156	Octa	PCB-202	0.75	4.50e+05	0.89 y	44:42	-	1.01
157	Octa	PCB-201	0.75	4.19e+05	0.86 y	45:08	-	0.94
158	Octa	PCB-204	0.75	4.42e+05	0.93 y	45:17	-	0.99
159	Octa	PCB-197	0.75	4.32e+05	0.87 y	45:33	-	0.97
160	Octa	PCB-200	0.75	3.97e+05	0.94 y	46:22	-	0.89

161	Octa	PCB-198	0.75	2.78e+05	0.93 y	47:37	-	0.62
162	Octa	PCB-199	0.75	3.16e+05	0.81 y	47:43	-	0.71
163	Octa	PCB-196/203	1.50	6.51e+05	0.78 y	47:58	-	0.73
164	Octa	PCB-195	0.75	3.79e+05	0.86 y	49:04	-	1.20
165	Octa	PCB-194	0.75	4.01e+05	0.89 y	49:52	-	1.27
166	Octa	PCB-205	0.75	5.60e+05	0.96 y	50:07	-	1.78
167	Nona	PCB-208	0.75	3.62e+05	1.38 y	49:11	-	0.90
168	Nona	PCB-207	0.75	3.21e+05	1.35 y	49:29	-	0.79
169	Nona	PCB-206	0.75	2.31e+05	1.33 y	51:18	-	0.86
170	Deca	PCB-209	0.75	5.28e+05	1.18 y	52:30	-	1.15

171	Tot ¶	Total Mono-PCB	0.00	-	-	n	-	-	0.90
172	Tot ¶	Total Di-PCB	0.00	-	-	n	-	-	1.57
173	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	0.97
174	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	1.34
175	Tot ¶	Total Tetra-PCB	0.00	-	-	n	-	-	0.74
176	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.06
177	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.35
178	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.81
179	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.88
180	Tot ¶	Total Hepta-PCB	0.00	-	-	n	-	-	1.34
181	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	0.84
182	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	1.42
183	Tot ¶	Total Nona-PCB	0.00	-	-	n	-	-	0.85
184	Tot ¶	Total Deca-PCB	0.75	5.28e+05	1.18	y	52:30	-	1.15
185	Mono¶	13C-PCB-1	100.00	1.20e+08	3.10	y	15:13	-	1.05
186	Mono¶	13C-PCB-3	100.00	1.36e+08	3.08	y	17:40	-	1.19
187	Di-IS	13C-PCB-4	100.00	6.52e+07	1.57	y	18:54	-	0.57
188	Di-IS	13C-PCB-9	100.00	1.01e+08	1.61	y	20:35	-	0.88
189	Tri-¶	13C-PCB-19	100.00	7.43e+07	1.06	y	22:45	-	0.71
190	Tri-¶	13C-PCB-32	100.00	1.23e+08	1.06	y	25:26	-	1.18
191	Tri-¶	13C-PCB-28	100.00	1.13e+08	1.10	y	27:15	-	1.08
192	Tri-¶	13C-PCB-37	100.00	9.32e+07	1.08	y	30:48	-	0.89
193	Tetr¶	13C-PCB-54	100.00	1.07e+08	0.79	y	26:11	-	1.23
194	Tetr¶	13C-PCB-81	100.00	8.04e+07	0.79	y	36:21	-	0.92
195	Tetr¶	13C-PCB-77	100.00	8.10e+07	0.78	y	36:53	-	0.93
196	Pent¶	13C-PCB-104	100.00	7.14e+07	1.61	y	30:30	-	1.01
197	Pent¶	13C-PCB-95	100.00	5.31e+07	1.61	y	33:23	-	0.75
198	Pent¶	13C-PCB-101	100.00	5.27e+07	1.63	y	34:55	-	0.74
199	Pent¶	13C-PCB-123	100.00	6.13e+07	1.64	y	38:27	-	0.86
200	Pent¶	13C-PCB-118	100.00	6.76e+07	1.66	y	38:37	-	0.95
201	Pent¶	13C-PCB-114	100.00	5.98e+07	1.62	y	39:13	-	1.03
202	Pent¶	13C-PCB-105	100.00	5.79e+07	1.64	y	39:59	-	1.00
203	Pent¶	13C-PCB-126	100.00	5.66e+07	1.55	y	42:02	-	0.98
204	Hexa¶	13C-PCB-155	100.00	7.36e+07	1.24	y	34:30	-	1.04
205	Hexa¶	13C-PCB-153	100.00	6.67e+07	1.25	y	40:07	-	1.15
206	Hexa¶	13C-PCB-167	100.00	7.46e+07	1.26	y	43:21	-	1.29
207	Hexa¶	13C-PCB-156	100.00	7.03e+07	1.27	y	44:31	-	1.22
208	Hexa¶	13C-PCB-157	100.00	7.57e+07	1.28	y	44:46	-	1.31
209	Hexa¶	13C-PCB-169	100.00	7.22e+07	1.25	y	46:45	-	1.25
210	Hept¶	13C-PCB-188	100.00	5.29e+07	0.46	y	39:46	-	0.91
211	Hept¶	13C-PCB-180	100.00	3.81e+07	0.45	y	45:40	-	0.66
212	Hept¶	13C-PCB-170	100.00	3.33e+07	0.45	y	47:03	-	0.58
213	Hept¶	13C-PCB-189	100.00	4.67e+07	0.45	y	48:28	-	0.81
214	Octa¶	13C-PCB-202	100.00	5.94e+07	0.90	y	44:41	-	1.03
215	Octa¶	13C-PCB-194	100.00	4.20e+07	0.92	y	49:52	-	0.72
216	Nona¶	13C-PCB-208	100.00	5.39e+07	0.77	y	49:10	-	0.92
217	Nona¶	13C-PCB-206	100.00	3.60e+07	0.74	y	51:17	-	0.62
218	Deca¶	13C-PCB-209	100.00	6.11e+07	1.18	y	52:30	-	1.05

219	Di-RS	13C-PCB-15	100.00	1.14e+08	1.59 y	24:21	-	1.00
220	Tri-¶	13C-PCB-31	100.00	1.05e+08	1.07 y	27:09	-	1.00
221	Tetr¶	13C-PCB-60	100.00	8.73e+07	0.80 y	34:15	-	1.00
222	Pent¶	13C-PCB-111	100.00	7.09e+07	1.62 y	36:31	-	1.00
223	Hexa¶	13C-PCB-138	100.00	5.78e+07	1.25 y	41:33	-	1.00
224	Octa¶	13C-PCB-205	100.00	5.84e+07	0.91 y	50:06	-	1.00
225	Tetr¶	13C-PCB-52	100.00	7.23e+07	0.78 y	29:27	-	0.90
226	Hept¶	13C-PCB-178	100.00	3.50e+07	0.45 y	42:19	-	0.92

Filename: 030929E1 S: 2 Acquired: 29-SEP-03 13:06:47
Run: 030929E1-¶ Analyte: ICal: PCBVG8-9-29-03-AIR Results: 030929E1-¶
Sample text: ST030929E1-2 PCB 209 CS2 030916F

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Mono	PCB-1	2.50	2.72e+06	3.06 y	15:15	-	0.95
2	Mono	PCB-2	2.50	2.64e+06	2.86 y	17:29	-	0.82
3	Mono	PCB-3	2.50	2.99e+06	3.01 y	17:42	-	0.93
4	Di	PCB-4/10	5.00	5.62e+06	1.57 y	18:58	-	1.84
5	Di	PCB-7/9	5.00	7.03e+06	1.65 y	20:38	-	1.50
6	Di	PCB-6	2.50	3.57e+06	1.64 y	21:13	-	1.52
7	Di	PCB-5/8	5.00	6.97e+06	1.62 y	21:36	-	1.49
8	Di	PCB-14	2.50	3.53e+06	1.62 y	22:37	-	1.50
9	Di	PCB-11	2.50	3.32e+06	1.70 y	23:43	-	1.42
10	Di	PCB-12/13	5.00	7.04e+06	1.69 y	24:04	-	1.50
11	Di	PCB-15	2.50	3.88e+06	1.72 y	24:22	-	1.65
12	Tri	PCB-19	2.50	1.92e+06	1.00 y	22:45	-	1.18
13	Tri	PCB-30	2.50	2.74e+06	0.99 y	23:36	-	1.68
14	Tri	PCB-18	2.50	1.88e+06	1.07 y	24:16	-	0.69
15	Tri	PCB-17	2.50	2.09e+06	1.05 y	24:27	-	0.77
16	Tri	PCB-24/27	5.00	5.35e+06	1.05 y	24:58	-	0.99
17	Tri	PCB-16/32	5.00	4.69e+06	1.04 y	25:26	-	0.87
18	Tri	PCB-34	2.50	2.94e+06	1.08 y	26:10	-	1.14
19	Tri	PCB-23	2.50	3.45e+06	1.07 y	26:16	-	1.33
20	Tri	PCB-29	2.50	3.40e+06	1.07 y	26:30	-	1.31
21	Tri	PCB-26	2.50	3.30e+06	1.05 y	26:41	-	1.28
22	Tri	PCB-25	2.50	3.50e+06	1.06 y	26:50	-	1.35
23	Tri	PCB-31	2.50	3.27e+06	1.05 y	27:09	-	1.26
24	Tri	PCB-28	2.50	4.04e+06	1.07 y	27:16	-	1.56
25	Tri	PCB-20/21/33	7.50	1.00e+07	1.05 y	27:48	-	1.29
26	Tri	PCB-22	2.50	3.34e+06	1.06 y	28:12	-	1.29
27	Tri	PCB-36	2.50	3.30e+06	1.11 y	28:47	-	1.48
28	Tri	PCB-39	2.50	3.46e+06	1.08 y	29:14	-	1.56
29	Tri	PCB-38	2.50	2.99e+06	1.15 y	29:55	-	1.34
30	Tri	PCB-35	2.50	3.11e+06	1.16 y	30:24	-	1.40
31	Tri	PCB-37	2.50	3.46e+06	1.10 y	30:49	-	1.56
32	Tetra	PCB-54	5.00	4.55e+06	0.74 y	26:12	-	0.97
33	Tetra	PCB-50	5.00	3.37e+06	0.77 y	27:17	-	0.72
34	Tetra	PCB-53	5.00	3.34e+06	0.76 y	27:53	-	0.72
35	Tetra	PCB-51	5.00	3.42e+06	0.76 y	28:11	-	0.73
36	Tetra	PCB-45	5.00	2.87e+06	0.78 y	28:34	-	0.61
37	Tetra	PCB-46	5.00	2.82e+06	0.77 y	29:01	-	0.60
38	Tetra	PCB-52/69	10.00	7.45e+06	0.74 y	29:29	-	0.80
39	Tetra	PCB-73	5.00	4.35e+06	0.77 y	29:35	-	0.93

40	Tetra	PCB-43/49	10.00	6.40e+06	0.74 y	29:44	-	0.69
41	Tetra	PCB-47	5.00	3.48e+06	0.74 y	29:55	-	0.74
42	Tetra	PCB-48/75	10.00	7.53e+06	0.78 y	30:01	-	0.81
43	Tetra	PCB-65	5.00	4.11e+06	0.77 y	30:16	-	0.88
44	Tetra	PCB-62	5.00	3.83e+06	0.76 y	30:22	-	0.82
45	Tetra	PCB-44	5.00	2.83e+06	0.78 y	30:38	-	0.61
46	Tetra	PCB-42/59	10.00	7.52e+06	0.74 y	30:51	-	0.80
47	Tetra	PCB-41/64/71/72	20.00	1.60e+07	0.77 y	31:23	-	0.85
48	Tetra	PCB-68	5.00	4.39e+06	0.77 y	31:37	-	0.94
49	Tetra	PCB-40	5.00	2.43e+06	0.74 y	31:48	-	0.52
50	Tetra	PCB-57	5.00	4.17e+06	0.75 y	32:10	-	1.06
51	Tetra	PCB-67	5.00	4.30e+06	0.76 y	32:26	-	1.09
52	Tetra	PCB-58	5.00	4.38e+06	0.75 y	32:32	-	1.12

53	Tetra	PCB-63	5.00	4.29e+06	0.76 y	32:41	-	1.09
54	Tetra	PCB-74	5.00	4.55e+06	0.75 y	32:56	-	1.16
55	Tetra	PCB-61	5.00	4.09e+06	0.76 y	33:04	-	1.04
56	Tetra	PCB-70	5.00	4.19e+06	0.77 y	33:07	-	1.07
57	Tetra	PCB-76	5.00	4.01e+06	0.72 y	33:14	-	1.02
58	Tetra	PCB-66	5.00	5.05e+06	0.77 y	33:19	-	1.28
59	Tetra	PCB-80	5.00	5.10e+06	0.78 y	33:32	-	1.30
60	Tetra	PCB-55	5.00	4.29e+06	0.76 y	33:48	-	1.09
61	Tetra	PCB-56/60	10.00	8.46e+06	0.76 y	34:14	-	1.08
62	Tetra	PCB-79	5.00	4.26e+06	0.76 y	35:15	-	1.08
63	Tetra	PCB-78	5.00	4.23e+06	0.78 y	35:52	-	1.08
64	Tetra	PCB-81	5.00	4.53e+06	0.79 y	36:21	-	1.15
65	Tetra	PCB-77	5.00	4.37e+06	0.73 y	36:53	-	1.07
66	Penta	PCB-104	5.00	3.82e+06	1.56 y	30:31	-	1.20
67	Penta	PCB-96	5.00	3.52e+06	1.55 y	31:39	-	1.11
68	Penta	PCB-103	5.00	2.84e+06	1.55 y	32:10	-	0.90
69	Penta	PCB-100	5.00	2.81e+06	1.54 y	32:29	-	0.89
70	Penta	PCB-94	5.00	2.42e+06	1.52 y	32:54	-	0.99
71	Penta	PCB-95/98/102	15.00	8.01e+06	1.57 y	33.21	-	1.10
72	Penta	PCB-93	5.00	2.52e+06	1.61 y	33:28	-	1.03
73	Penta	PCB-88/91	10.00	4.89e+06	1.54 y	33:44	-	1.00
74	Penta	PCB-121	5.00	3.80e+06	1.61 y	33:51	-	1.56
75	Penta	PCB-84/92	10.00	4.98e+06	1.59 y	34:35	-	1.03
76	Penta	PCB-89	5.00	2.51e+06	1.59 y	34:45	-	1.03
77	Penta	PCB-90/101	10.00	5.64e+06	1.54 y	34:56	-	1.16
78	Penta	PCB-113	5.00	2.94e+06	1.52 y	35:09	-	1.21
79	Penta	PCB-99	5.00	3.14e+06	1.63 y	35:14	-	1.29
80	Penta	PCB-119	5.00	3.62e+06	1.55 y	35:40	-	1.49
81	Penta	PCB-108/112	10.00	5.79e+06	1.54 y	35:48	-	1.19
82	Penta	PCB-83	5.00	3.34e+06	1.60 y	35:57	-	1.38
83	Penta	PCB-97	5.00	2.61e+06	1.54 y	36:07	-	1.07
84	Penta	PCB-86	5.00	2.32e+06	1.51 y	36:15	-	0.96
85	Penta	PCB-87/117/125	15.00	9.74e+06	1.53 y	36:22	-	1.34
86	Penta	PCB-111/115	10.00	7.30e+06	1.56 y	36:31	-	1.50
87	Penta	PCB-85/116	10.00	6.15e+06	1.56 y	36:38	-	1.27
88	Penta	PCB-120	5.00	3.79e+06	1.54 y	36:52	-	1.56
89	Penta	PCB-110	5.00	3.74e+06	1.56 y	36:58	-	1.54
90	Penta	PCB-82	5.00	2.04e+06	1.57 y	37:32	-	0.69
91	Penta	PCB-124	5.00	3.59e+06	1.51 y	38:10	-	1.21
92	Penta	PCB-107/109	10.00	7.01e+06	1.57 y	38:18	-	1.18
93	Penta	PCB-123	5.00	3.48e+06	1.49 y	38:27	-	1.17
94	Penta	PCB-106/118	10.00	7.19e+06	1.57 y	38:38	-	1.10
95	Penta	PCB-114	5.00	4.60e+06	1.60 y	39:13	-	1.41
96	Penta	PCB-122	5.00	4.63e+06	1.65 y	39:20	-	1.43
97	Penta	PCB-105	5.00	4.60e+06	1.63 y	40:00	-	1.42
98	Penta	PCB-127	5.00	4.23e+06	1.78 y	40:19	-	1.31
99	Penta	PCB-126	5.00	4.33e+06	1.73 y	42:02	-	1.43
100	Hexa	PCB-155	5.00	3.83e+06	1.26 y	34:31	-	1.15

101	Hexa	PCB-150	5.00	3.38e+06	1.26 y	35:40	-	1.01
102	Hexa	PCB-152	5.00	3.42e+06	1.23 y	36:05	-	1.03
103	Hexa	PCB-145	5.00	3.41e+06	1.25 y	36:30	-	1.02
104	Hexa	PCB-136	5.00	3.40e+06	1.22 y	36:47	-	1.02
105	Hexa	PCB-148	5.00	2.60e+06	1.20 y	36:54	-	0.78
106	Hexa	PCB-154	5.00	3.07e+06	1.19 y	37:21	-	0.92
107	Hexa	PCB-151	5.00	2.38e+06	1.28 y	37:55	-	0.71
108	Hexa	PCB-135	5.00	2.28e+06	1.25 y	38:06	-	0.68
109	Hexa	PCB-144	5.00	2.54e+06	1.27 y	38:13	-	0.76
110	Hexa	PCB-147	5.00	2.69e+06	1.30 y	38:20	-	0.81
111	Hexa	PCB-139/149	10.00	5.22e+06	1.21 y	38:34	-	0.78
112	Hexa	PCB-140	5.00	2.66e+06	1.21 y	38:44	-	0.80
113	Hexa	PCB-134/143	10.00	4.53e+06	1.18 y	39:08	-	0.74

114	Hexa	PCB-133/142	10.00	4.45e+06	1.21 y	39:24	-	.73
115	Hexa	PCB-131	5.00	2.20e+06	1.22 y	39:32	-	0.72
116	Hexa	PCB-146/165	10.00	6.16e+06	1.19 y	39:46	-	1.01
117	Hexa	PCB-132/161	10.00	5.42e+06	1.22 y	39:59	-	0.88
118	Hexa	PCB-153	5.00	3.14e+06	1.14 y	40:08	-	1.03
119	Hexa	PCB-168	5.00	3.35e+06	1.20 y	40:20	-	1.09
120	Hexa	PCB-141	5.00	2.66e+06	1.22 y	40:48	-	0.87
121	Hexa	PCB-137	5.00	2.60e+06	1.21 y	41:09	-	0.85
122	Hexa	PCB-130	5.00	2.38e+06	1.28 y	41:14	-	0.78
123	Hexa	PCB-138/163/164	15.00	9.87e+06	1.23 y	41:35	-	1.07
124	Hexa	PCB-158/160	10.00	7.08e+06	1.23 y	41:49	-	1.16
125	Hexa	PCB-129	5.00	2.20e+06	1.24 y	42:00	-	0.72
126	Hexa	PCB-166	5.00	3.21e+06	1.24 y	42:26	-	0.91
127	Hexa	PCB-159	5.00	3.36e+06	1.15 y	42:44	-	0.95
128	Hexa	PCB-128/162	10.00	5.86e+06	1.22 y	42:59	-	0.83
129	Hexa	PCB-167	5.00	3.38e+06	1.16 y	43:21	-	0.96
130	Hexa	PCB-156	5.00	3.44e+06	1.20 y	44:32	-	1.02
131	Hexa	PCB-157	5.00	3.44e+06	1.21 y	44:46	-	0.95
132	Hexa	PCB-169	5.00	3.29e+06	1.17 y	46:45	-	0.94
133	Hepta	PCB-188	5.00	3.74e+06	1.07 y	39:47	-	1.49
134	Hepta	PCB-184	5.00	3.81e+06	1.04 y	40:12	-	1.52
135	Hepta	PCB-179	5.00	3.62e+06	1.06 y	40:53	-	1.45
136	Hepta	PCB-176	5.00	3.44e+06	1.01 y	41:19	-	1.37
137	Hepta	PCB-186	5.00	3.54e+06	1.05 y	41:52	-	1.41
138	Hepta	PCB-178	5.00	2.61e+06	1.07 y	42:19	-	1.04
139	Hepta	PCB-175	5.00	2.56e+06	1.00 y	42:38	-	1.02
140	Hepta	PCB-182/187	10.00	5.81e+06	1.05 y	42:48	-	1.16
141	Hepta	PCB-183	5.00	2.89e+06	1.03 y	43:05	-	1.15
142	Hepta	PCB-185	5.00	2.54e+06	1.07 y	43:41	-	1.42
143	Hepta	PCB-174	5.00	2.71e+06	1.03 y	43:59	-	1.51
144	Hepta	PCB-181	5.00	2.59e+06	1.06 y	44:06	-	1.45
145	Hepta	PCB-177	5.00	2.51e+06	1.05 y	44:15	-	1.41
146	Hepta	PCB-171	5.00	2.65e+06	1.04 y	44:31	-	1.48
147	Hepta	PCB-173	5.00	2.38e+06	1.06 y	44:54	-	1.33
148	Hepta	PCB-172	5.00	2.39e+06	1.11 y	45:19	-	1.34
149	Hepta	PCB-192	5.00	3.13e+06	1.04 y	45:30	-	1.75
150	Hepta	PCB-180	5.00	2.79e+06	1.05 y	45:41	-	1.56
151	Hepta	PCB-193	5.00	3.56e+06	1.06 y	45:52	-	1.99
152	Hepta	PCB-191	5.00	3.30e+06	1.07 y	46:06	-	1.84
153	Hepta	PCB-170	5.00	2.40e+06	1.01 y	47:03	-	1.53
154	Hepta	PCB-190	5.00	3.07e+06	1.06 y	47:14	-	1.95
155	Hepta	PCB-189	5.00	3.35e+06	1.03 y	48:28	-	1.43
156	Octa	PCB-202	7.50	4.21e+06	0.89 y	44:41	-	1.02
157	Octa	PCB-201	7.50	4.12e+06	0.88 y	45:08	-	1.00
158	Octa	PCB-204	7.50	4.19e+06	0.89 y	45:17	-	1.01
159	Octa	PCB-197	7.50	4.32e+06	0.90 y	45:33	-	1.05
160	Octa	PCB-200	7.50	4.14e+06	0.88 y	46:21	-	1.00
161	Octa	PCB-198	7.50	2.80e+06	0.86 y	47:36	-	0.68

162	Octa	PCB-199	7.50	3.06e+06	0.90 y	47:42	-	0.74
163	Octa	PCB-196/203	15.00	6.20e+06	0.85 y	47:58	-	0.75
164	Octa	PCB-195	7.50	3.54e+06	0.89 y	49:03	-	1.16
165	Octa	PCB-194	7.50	3.94e+06	0.89 y	49:52	-	1.29
166	Octa	PCB-205	7.50	5.17e+06	0.93 y	50:07	-	1.69
167	Nona	PCB-208	7.50	4.16e+06	1.28 y	49:11	-	0.98
168	Nona	PCB-207	7.50	3.32e+06	1.29 y	49:28	-	0.78
169	Nona	PCB-206	7.50	2.56e+06	1.28 y	51:18	-	0.87
170	Deca	PCB-209	7.50	4.89e+06	1.21 y	52:30	-	1.09
171	Tot	Total Mono-PCB	0.00	-	- n	-	-	0.90

172	Tot	Total Di-PCB	0.00	-	- n	-	-	1.52
173	Tot	Total Tri-PCB	0.00	-	- n	-	-	0.99
174	Tot	Total Tri-PCB	0.00	-	- n	-	-	1.36
175	Tot	Total Tetra-PCB	0.00	-	- n	-	-	0.80
176	Tot	Total Penta-PCB	0.00	-	- n	-	-	1.13
177	Tot	Total Penta-PCB	0.00	-	- n	-	-	1.40
178	Tot	Total Hexa-PCB	0.00	-	- n	-	-	0.88
179	Tot	Total Hexa-PCB	0.00	-	- n	-	-	0.91
180	Tot	Total Hepta-PCB	0.00	-	- n	-	-	1.41
181	Tot	Total Octa-PCB	0.00	-	- n	-	-	0.89
182	Tot	Total Octa-PCB	0.00	-	- n	-	-	1.38
183	Tot	Total Nona-PCB	0.00	-	- n	-	-	0.88
184	Tot	Total Deca-PCB	7.50	4.89e+06	1.21 y	52:30	-	1.09
185	Mono	13C-PCB-1	100.00	1.14e+08	3.00 y	15:14	-	1.12
186	Mono	13C-PCB-3	100.00	1.29e+08	3.14 y	17:41	-	1.26
187	Di-IS	13C-PCB-4	100.00	6.09e+07	1.53 y	18:54	-	0.60
188	Di-IS	13C-PCB-9	100.00	9.38e+07	1.63 y	20:35	-	0.92
189	Tri-	13C-PCB-19	100.00	6.51e+07	1.04 y	22:45	-	0.70
190	Tri-	13C-PCB-32	100.00	1.08e+08	1.07 y	25:26	-	1.16
191	Tri-	13C-PCB-28	100.00	1.03e+08	1.10 y	27:15	-	1.11
192	Tri-	13C-PCB-37	100.00	8.89e+07	1.11 y	30:47	-	0.95
193	Tetr	13C-PCB-54	100.00	9.34e+07	0.78 y	26:11	-	1.18
194	Tetr	13C-PCB-81	100.00	7.86e+07	0.78 y	36:19	-	1.00
195	Tetr	13C-PCB-77	100.00	8.18e+07	0.78 y	36:52	-	1.04
196	Pent	13C-PCB-104	100.00	6.35e+07	1.61 y	30:30	-	0.95
197	Pent	13C-PCB-95	100.00	4.87e+07	1.60 y	33:22	-	0.73
198	Pent	13C-PCB-101	100.00	4.86e+07	1.66 y	34:55	-	0.73
199	Pent	13C-PCB-123	100.00	5.94e+07	1.63 y	38:26	-	0.89
200	Pent	13C-PCB-118	100.00	6.54e+07	1.61 y	38:36	-	0.98
201	Pent	13C-PCB-114	100.00	6.53e+07	1.59 y	39:12	-	1.20
202	Pent	13C-PCB-105	100.00	6.46e+07	1.65 y	39:59	-	1.19
203	Pent	13C-PCB-126	100.00	6.04e+07	1.63 y	42:01	-	1.11
204	Hexa	13C-PCB-155	100.00	6.67e+07	1.26 y	34:30	-	1.00
205	Hexa	13C-PCB-153	100.00	6.13e+07	1.28 y	40:07	-	1.13
206	Hexa	13C-PCB-167	100.00	7.07e+07	1.25 y	43:20	-	1.30
207	Hexa	13C-PCB-156	100.00	6.76e+07	1.26 y	44:31	-	1.25
208	Hexa	13C-PCB-157	100.00	7.22e+07	1.28 y	44:45	-	1.33
209	Hexa	13C-PCB-169	100.00	7.00e+07	1.28 y	46:44	-	1.29
210	Hept	13C-PCB-188	100.00	5.01e+07	0.45 y	39:46	-	0.92
211	Hept	13C-PCB-180	100.00	3.58e+07	0.45 y	45:40	-	0.66
212	Hept	13C-PCB-170	100.00	3.14e+07	0.45 y	47:02	-	0.58
213	Hept	13C-PCB-189	100.00	4.68e+07	0.45 y	48:27	-	0.86
214	Octa	13C-PCB-202	100.00	5.50e+07	0.92 y	44:40	-	1.01
215	Octa	13C-PCB-194	100.00	4.08e+07	0.92 y	49:51	-	0.70
216	Nona	13C-PCB-208	100.00	5.66e+07	0.78 y	49:10	-	0.97
217	Nona	13C-PCB-206	100.00	3.93e+07	0.75 y	51:17	-	0.68
218	Deca	13C-PCB-209	100.00	6.00e+07	1.19 y	52:29	-	1.03
219	Di-RS	13C-PCB-15	100.00	1.02e+08	1.59 y	24:21	-	1.00

220	Tri-η	13C-PCB-31	100.00	9.35e+07	1.10 y	27:09	-	1.00
221	Tetrη	13C-PCB-60	100.00	7.90e+07	0.78 y	34:14	-	1.00
222	Pentη	13C-PCB-111	100.00	6.68e+07	1.62 y	36:31	-	1.00
223	Hexaη	13C-PCB-138	100.00	5.43e+07	1.26 y	41:33	-	1.00
224	Octaη	13C-PCB-205	100.00	5.81e+07	0.92 y	50:06	-	1.00
225	Tetrη	13C-PCB-52	100.00	6.57e+07	0.78 y	29:27	-	0.84
226	Heptη	13C-PCB-178	100.00	3.32e+07	0.45 y	42:18	-	0.93

Filename: 030929E1 S: 3 Acquired: 29-SEP-03 14:07:02
Run: 030929E1-¶ Analyte: ICal: PCBVG8-9-29-03-AIR Results: 030929E1-¶
Sample text: ST030929E1-3 PCB 209 CS3 030916G

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Mono	PCB-1	25.00	2.62e+07	2.93 y	15:15	-	0.98
2	Mono	PCB-2	25.00	2.45e+07	2.92 y	17:29	-	0.84
3	Mono	PCB-3	25.00	2.84e+07	2.93 y	17:43	-	0.98
4	Di	PCB-4/10	50.00	4.72e+07	1.62 y	18:59	-	1.73
5	Di	PCB-7/9	50.00	5.90e+07	1.64 y	20:38	-	1.43
6	Di	PCB-6	25.00	2.91e+07	1.72 y	21:14	-	1.40
7	Di	PCB-5/8	50.00	5.81e+07	1.68 y	21:37	-	1.40
8	Di	PCB-14	25.00	2.87e+07	1.68 y	22:39	-	1.39
9	Di	PCB-11	25.00	2.83e+07	1.67 y	23:44	-	1.37
10	Di	PCB-12/13	50.00	5.90e+07	1.67 y	24:06	-	1.43
11	Di	PCB-15	25.00	3.34e+07	1.65 y	24:23	-	1.62
12	Tri	PCB-19	25.00	1.72e+07	1.04 y	22:47	-	1.17
13	Tri	PCB-30	25.00	2.43e+07	1.04 y	23:38	-	1.66
14	Tri	PCB-18	25.00	1.69e+07	1.04 y	24:18	-	0.69
15	Tri	PCB-17	25.00	1.88e+07	1.04 y	24:28	-	0.77
16	Tri	PCB-24/27	50.00	4.79e+07	1.02 y	25:00	-	0.98
17	Tri	PCB-16/32	50.00	4.13e+07	1.03 y	25:27	-	0.84
18	Tri	PCB-34	25.00	2.75e+07	1.08 y	26:12	-	1.19
19	Tri	PCB-23	25.00	3.00e+07	1.07 y	26:18	-	1.30
20	Tri	PCB-29	25.00	3.06e+07	1.08 y	26:32	-	1.33
21	Tri	PCB-26	25.00	2.92e+07	1.07 y	26:42	-	1.27
22	Tri	PCB-25	25.00	3.05e+07	1.07 y	26:52	-	1.32
23	Tri	PCB-31	25.00	3.00e+07	1.07 y	27:11	-	1.30
24	Tri	PCB-28	25.00	3.51e+07	1.09 y	27:17	-	1.52
25	Tri	PCB-20/21/33	75.00	8.45e+07	1.10 y	27:50	-	1.22
26	Tri	PCB-22	25.00	3.00e+07	1.10 y	28:15	-	1.30
27	Tri	PCB-36	25.00	2.89e+07	1.08 y	28:49	-	1.49
28	Tri	PCB-39	25.00	2.94e+07	1.09 y	29:15	-	1.51
29	Tri	PCB-38	25.00	2.92e+07	1.08 y	29:58	-	1.51
30	Tri	PCB-35	25.00	2.74e+07	1.11 y	30:26	-	1.41
31	Tri	PCB-37	25.00	3.01e+07	1.10 y	30:50	-	1.55
32	Tetra	PCB-54	50.00	4.21e+07	0.75 y	26:14	-	0.98
33	Tetra	PCB-50	50.00	3.08e+07	0.74 y	27:19	-	0.72
34	Tetra	PCB-53	50.00	2.94e+07	0.76 y	27:54	-	0.69
35	Tetra	PCB-51	50.00	3.02e+07	0.76 y	28:13	-	0.71
36	Tetra	PCB-45	50.00	2.64e+07	0.77 y	28:36	-	0.62
37	Tetra	PCB-46	50.00	2.64e+07	0.77 y	29:02	-	0.62
38	Tetra	PCB-52/69	100.00	6.73e+07	0.76 y	29:30	-	0.79
39	Tetra	PCB-73	50.00	3.76e+07	0.77 y	29:36	-	0.88

40	Tetra	PCB-43/49	100.00	5.80e+07	0.76 y	29:45	-	0.68
41	Tetra	PCB-47	50.00	2.99e+07	0.75 y	29:57	-	0.70
42	Tetra	PCB-48/75	100.00	7.47e+07	0.76 y	30:03	-	0.87
43	Tetra	PCB-65	50.00	3.73e+07	0.77 y	30:18	-	0.87
44	Tetra	PCB-62	50.00	3.36e+07	0.78 y	30:23	-	0.79
45	Tetra	PCB-44	50.00	2.49e+07	0.78 y	30:40	-	0.58
46	Tetra	PCB-42/59	100.00	6.48e+07	0.76 y	30:52	-	0.76
47	Tetra	PCB-41/64/71/72	200.00	1.46e+08	0.77 y	31:25	-	0.85
48	Tetra	PCB-68	50.00	4.08e+07	0.76 y	31:39	-	0.96
49	Tetra	PCB-40	50.00	2.27e+07	0.77 y	31:50	-	0.53
50	Tetra	PCB-57	50.00	3.88e+07	0.76 y	32:11	-	1.12
51	Tetra	PCB-67	50.00	4.06e+07	0.76 y	32:27	-	1.17
52	Tetra	PCB-58	50.00	3.80e+07	0.78 y	32:34	-	1.09

53	Tetra	PCB-63	50.00	3.93e+07	0.75 y	32:42	-	1.13
54	Tetra	PCB-74	50.00	4.20e+07	0.75 y	32:58	-	1.21
55	Tetra	PCB-61	50.00	2.81e+07	0.75 y	33:04	-	0.81
56	Tetra	PCB-70	50.00	4.49e+07	0.78 y	33:09	-	1.29
57	Tetra	PCB-76	50.00	3.03e+07	0.75 y	33:16	-	0.87
58	Tetra	PCB-66	50.00	5.06e+07	0.78 y	33:20	-	1.45
59	Tetra	PCB-80	50.00	4.54e+07	0.77 y	33:33	-	1.30
60	Tetra	PCB-55	50.00	3.97e+07	0.76 y	33:49	-	1.14
61	Tetra	PCB-56/60	100.00	7.72e+07	0.76 y	34:16	-	1.11
62	Tetra	PCB-79	50.00	3.80e+07	0.77 y	35:16	-	1.09
63	Tetra	PCB-78	50.00	3.82e+07	0.76 y	35:53	-	1.10
64	Tetra	PCB-81	50.00	4.02e+07	0.76 y	36:22	-	1.16
65	Tetra	PCB-77	50.00	3.79e+07	0.77 y	36:54	-	1.04
66	Penta	PCB-104	50.00	3.29e+07	1.54 y	30:32	-	1.15
67	Penta	PCB-96	50.00	3.15e+07	1.55 y	31:40	-	1.10
68	Penta	PCB-103	50.00	2.62e+07	1.54 y	32:11	-	0.91
69	Penta	PCB-100	50.00	2.55e+07	1.52 y	32:31	-	0.89
70	Penta	PCB-94	50.00	2.17e+07	1.53 y	32:55	-	0.99
71	Penta	PCB-95/98/102	150.00	7.18e+07	1.54 y	33:22	-	1.09
72	Penta	PCB-93	50.00	2.15e+07	1.59 y	33:29	-	0.98
73	Penta	PCB-88/91	100.00	4.40e+07	1.54 y	33:45	-	1.01
74	Penta	PCB-121	50.00	3.32e+07	1.55 y	33:52	-	1.52
75	Penta	PCB-84/92	100.00	4.46e+07	1.52 y	34:36	-	1.00
76	Penta	PCB-89	50.00	2.16e+07	1.53 y	34:46	-	0.97
77	Penta	PCB-90/101	100.00	5.05e+07	1.54 y	34:57	-	1.13
78	Penta	PCB-113	50.00	2.72e+07	1.52 y	35:10	-	1.22
79	Penta	PCB-99	50.00	2.73e+07	1.56 y	35:16	-	1.23
80	Penta	PCB-119	50.00	3.17e+07	1.54 y	35:40	-	1.42
81	Penta	PCB-108/112	100.00	5.03e+07	1.54 y	35:48	-	1.13
82	Penta	PCB-83	50.00	2.88e+07	1.56 y	35:58	-	1.29
83	Penta	PCB-97	50.00	2.22e+07	1.55 y	36:08	-	0.99
84	Penta	PCB-86	50.00	2.05e+07	1.52 y	36:16	-	0.92
85	Penta	PCB-87/117/125	150.00	8.50e+07	1.59 y	36:23	-	1.27
86	Penta	PCB-111/115	100.00	6.43e+07	1.49 y	36:32	-	1.44
87	Penta	PCB-85/116	100.00	5.22e+07	1.55 y	36:39	-	1.17
88	Penta	PCB-120	50.00	3.39e+07	1.52 y	36:53	-	1.52
89	Penta	PCB-110	50.00	3.16e+07	1.54 y	37:00	-	1.42
90	Penta	PCB-82	50.00	1.82e+07	1.53 y	37:33	-	0.68
91	Penta	PCB-124	50.00	3.02e+07	1.53 y	38:11	-	1.12
92	Penta	PCB-107/109	100.00	6.56e+07	1.54 y	38:19	-	1.22
93	Penta	PCB-123	50.00	3.06e+07	1.53 y	38:29	-	1.14
94	Penta	PCB-106/118	100.00	6.25e+07	1.54 y	38:40	-	1.04
95	Penta	PCB-114	50.00	4.03e+07	1.62 y	39:13	-	1.40
96	Penta	PCB-122	50.00	3.99e+07	1.67 y	39:21	-	1.49
97	Penta	PCB-105	50.00	3.91e+07	1.73 y	40:00	-	1.45
98	Penta	PCB-127	50.00	3.63e+07	1.74 y	40:20	-	1.35
99	Penta	PCB-126	50.00	3.54e+07	1.79 y	42:03	-	1.36
100	Hexa	PCB-155	50.00	3.32e+07	1.24 y	34:33	-	1.11

101	Hexa	PCB-150	50.00	2.99e+07	1.24 y	35:40	-	1.00
102	Hexa	PCB-152	50.00	2.91e+07	1.23 y	36:06	-	0.98
103	Hexa	PCB-145	50.00	2.93e+07	1.24 y	36:31	-	0.98
104	Hexa	PCB-136	50.00	2.90e+07	1.29 y	36:48	-	0.97
105	Hexa	PCB-148	50.00	2.30e+07	1.17 y	36:55	-	0.77
106	Hexa	PCB-154	50.00	2.68e+07	1.23 y	37:22	-	0.90
107	Hexa	PCB-151	50.00	2.14e+07	1.25 y	37:56	-	0.72
108	Hexa	PCB-135	50.00	2.09e+07	1.23 y	38:07	-	0.70
109	Hexa	PCB-144	50.00	2.26e+07	1.24 y	38:14	-	0.76
110	Hexa	PCB-147	50.00	2.38e+07	1.24 y	38:21	-	0.80
111	Hexa	PCB-139/149	100.00	4.60e+07	1.24 y	38:35	-	0.77
112	Hexa	PCB-140	50.00	2.35e+07	1.24 y	38:45	-	0.79
113	Hexa	PCB-134/143	100.00	4.80e+07	1.20 y	39:09	-	0.72

114	Hexa	PCB-133/142	100.00	4.03e+07	1.21 y	39:26	-	.72
115	Hexa	PCB-131	50.00	1.98e+07	1.23 y	39:34	-	0.71
116	Hexa	PCB-146/165	100.00	5.56e+07	1.21 y	39:46	-	1.00
117	Hexa	PCB-132/161	100.00	5.14e+07	1.21 y	40:00	-	0.92
118	Hexa	PCB-153	50.00	2.88e+07	1.22 y	40:10	-	1.03
119	Hexa	PCB-168	50.00	2.99e+07	1.21 y	40:21	-	1.07
120	Hexa	PCB-141	50.00	2.41e+07	1.22 y	40:50	-	0.87
121	Hexa	PCB-137	50.00	2.26e+07	1.20 y	41:10	-	0.81
122	Hexa	PCB-130	50.00	2.05e+07	1.21 y	41:15	-	0.73
123	Hexa	PCB-138/163/164	150.00	8.80e+07	1.21 y	41:36	-	1.05
124	Hexa	PCB-158/160	100.00	6.20e+07	1.21 y	41:50	-	1.11
125	Hexa	PCB-129	50.00	1.99e+07	1.19 y	42:02	-	0.71
126	Hexa	PCB-166	50.00	2.91e+07	1.22 y	42:27	-	0.92
127	Hexa	PCB-159	50.00	3.08e+07	1.21 y	42:46	-	0.97
128	Hexa	PCB-128/162	100.00	5.21e+07	1.21 y	43:01	-	0.82
129	Hexa	PCB-167	50.00	3.01e+07	1.22 y	43:23	-	0.95
130	Hexa	PCB-156	50.00	3.08e+07	1.23 y	44:33	-	1.00
131	Hexa	PCB-157	50.00	3.07e+07	1.21 y	44:47	-	0.94
132	Hexa	PCB-169	50.00	2.84e+07	1.24 y	46:46	-	0.92
133	Hepta	PCB-188	50.00	3.31e+07	1.06 y	39:49	-	1.48
134	Hepta	PCB-184	50.00	3.28e+07	1.06 y	40:13	-	1.47
135	Hepta	PCB-179	50.00	3.11e+07	1.06 y	40:55	-	1.39
136	Hepta	PCB-176	50.00	3.06e+07	1.06 y	41:20	-	1.37
137	Hepta	PCB-186	50.00	3.09e+07	1.04 y	41:53	-	1.38
138	Hepta	PCB-178	50.00	2.18e+07	1.05 y	42:20	-	0.97
139	Hepta	PCB-175	50.00	2.17e+07	1.08 y	42:39	-	0.97
140	Hepta	PCB-182/187	100.00	5.10e+07	1.06 y	42:49	-	1.14
141	Hepta	PCB-183	50.00	2.51e+07	1.07 y	43:06	-	1.12
142	Hepta	PCB-185	50.00	2.20e+07	1.04 y	43:42	-	1.36
143	Hepta	PCB-174	50.00	2.35e+07	1.06 y	44:01	-	1.45
144	Hepta	PCB-181	50.00	2.23e+07	1.05 y	44:07	-	1.38
145	Hepta	PCB-177	50.00	2.14e+07	1.03 y	44:16	-	1.32
146	Hepta	PCB-171	50.00	2.25e+07	1.04 y	44:32	-	1.39
147	Hepta	PCB-173	50.00	2.04e+07	1.03 y	44:55	-	1.26
148	Hepta	PCB-172	50.00	2.07e+07	1.06 y	45:20	-	1.28
149	Hepta	PCB-192	50.00	2.70e+07	1.06 y	45:31	-	1.66
150	Hepta	PCB-180	50.00	2.40e+07	1.05 y	45:42	-	1.48
151	Hepta	PCB-193	50.00	3.11e+07	1.03 y	45:53	-	1.92
152	Hepta	PCB-191	50.00	2.87e+07	1.05 y	46:07	-	1.77
153	Hepta	PCB-170	50.00	1.99e+07	1.07 y	47:05	-	1.49
154	Hepta	PCB-190	50.00	2.68e+07	1.06 y	47:15	-	2.01
155	Hepta	PCB-189	50.00	2.76e+07	1.05 y	48:29	-	1.35
156	Octa	PCB-202	75.00	3.69e+07	0.89 y	44:42	-	0.98
157	Octa	PCB-201	75.00	3.66e+07	0.88 y	45:09	-	0.97
158	Octa	PCB-204	75.00	3.70e+07	0.87 y	45:18	-	0.98
159	Octa	PCB-197	75.00	3.86e+07	0.87 y	45:34	-	1.03
160	Octa	PCB-200	75.00	3.71e+07	0.88 y	46:23	-	0.99
161	Octa	PCB-198	75.00	2.47e+07	0.88 y	47:37	-	0.66

162	Octa	PCB-199	75.00	2.69e+07	0.89 y	47:44	-	0.71
163	Octa	PCB-196/203	150.00	5.80e+07	0.87 y	47:59	-	0.77
164	Octa	PCB-195	75.00	3.17e+07	0.91 y	49:05	-	1.14
165	Octa	PCB-194	75.00	3.59e+07	0.92 y	49:53	-	1.29
166	Octa	PCB-205	75.00	4.59e+07	0.92 y	50:08	-	1.65
167	Nona	PCB-208	75.00	3.52e+07	1.34 y	49:12	-	0.93
168	Nona	PCB-207	75.00	3.20e+07	1.35 y	49:30	-	0.85
169	Nona	PCB-206	75.00	2.31e+07	1.32 y	51:19	-	0.87
170	Deca	PCB-209	75.00	4.08e+07	1.20 y	52:31	-	1.07
171	Tot ¶	Total Mono-PCB	0.00	-	- n	-	-	0.93

172	Tot ¶	Total Di-PCB	0.00	-	-	n	-	-	1.44
173	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	0.98
174	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	1.36
175	Tot ¶	Total Tetra-PCB	0.00	-	-	n	-	-	0.80
176	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.09
177	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.41
178	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.86
179	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.90
180	Tot ¶	Total Hepta-PCB	0.00	-	-	n	-	-	1.36
181	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	0.87
182	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	1.36
183	Tot ¶	Total Nona-PCB	0.00	-	-	n	-	-	0.88
184	Tot ¶	Total Deca-PCB	75.00	4.08e+07	1.20	y	52:31	-	1.07
185	Mono¶	13C-PCB-1	100.00	1.07e+08	3.07	y	15:14	-	1.14
186	Mono¶	13C-PCB-3	100.00	1.16e+08	3.18	y	17:42	-	1.24
187	Di-IS	13C-PCB-4	100.00	5.45e+07	1.60	y	18:56	-	0.58
188	Di-IS	13C-PCB-9	100.00	8.28e+07	1.60	y	20:36	-	0.88
189	Tri-¶	13C-PCB-19	100.00	5.87e+07	1.06	y	22:46	-	0.68
190	Tri-¶	13C-PCB-32	100.00	9.77e+07	1.05	y	25:27	-	1.13
191	Tri-¶	13C-PCB-28	100.00	9.23e+07	1.10	y	27:16	-	1.07
192	Tri-¶	13C-PCB-37	100.00	7.76e+07	1.11	y	30:49	-	0.90
193	Tetr¶	13C-PCB-54	100.00	8.54e+07	0.78	y	26:12	-	1.15
194	Tetr¶	13C-PCB-81	100.00	6.96e+07	0.79	y	36:21	-	0.94
195	Tetr¶	13C-PCB-77	100.00	7.30e+07	0.80	y	36:53	-	0.98
196	Pent¶	13C-PCB-104	100.00	5.74e+07	1.62	y	30:30	-	0.94
197	Pent¶	13C-PCB-95	100.00	4.37e+07	1.66	y	33:24	-	0.72
198	Pent¶	13C-PCB-101	100.00	4.46e+07	1.61	y	34:56	-	0.73
199	Pent¶	13C-PCB-123	100.00	5.38e+07	1.58	y	38:27	-	0.88
200	Pent¶	13C-PCB-118	100.00	6.02e+07	1.60	y	38:37	-	0.99
201	Pent¶	13C-PCB-114	100.00	5.77e+07	1.62	y	39:13	-	1.14
202	Pent¶	13C-PCB-105	100.00	5.38e+07	1.59	y	40:00	-	1.06
203	Pent¶	13C-PCB-126	100.00	5.21e+07	1.63	y	42:03	-	1.03
204	Hexa¶	13C-PCB-155	100.00	5.96e+07	1.23	y	34:31	-	0.98
205	Hexa¶	13C-PCB-153	100.00	5.57e+07	1.28	y	40:08	-	1.10
206	Hexa¶	13C-PCB-167	100.00	6.33e+07	1.26	y	43:22	-	1.25
207	Hexa¶	13C-PCB-156	100.00	6.15e+07	1.26	y	44:32	-	1.22
208	Hexa¶	13C-PCB-157	100.00	6.57e+07	1.27	y	44:46	-	1.30
209	Hexa¶	13C-PCB-169	100.00	6.16e+07	1.23	y	46:45	-	1.22
210	Hept¶	13C-PCB-188	100.00	4.48e+07	0.45	y	39:48	-	0.89
211	Hept¶	13C-PCB-180	100.00	3.24e+07	0.46	y	45:41	-	0.64
212	Hept¶	13C-PCB-170	100.00	2.67e+07	0.44	y	47:04	-	0.53
213	Hept¶	13C-PCB-189	100.00	4.10e+07	0.45	y	48:29	-	0.81
214	Octa¶	13C-PCB-202	100.00	5.02e+07	0.92	y	44:41	-	0.99
215	Octa¶	13C-PCB-194	100.00	3.72e+07	0.92	y	49:52	-	0.70
216	Nona¶	13C-PCB-208	100.00	5.04e+07	0.79	y	49:11	-	0.95
217	Nona¶	13C-PCB-206	100.00	3.56e+07	0.75	y	51:18	-	0.67
218	Deca¶	13C-PCB-209	100.00	5.08e+07	1.21	y	52:31	-	0.96
219	Di-RS	13C-PCB-15	100.00	9.37e+07	1.59	y	24:22	-	1.00

220	Tri-¶	13C-PCB-31	100.00	8.63e+07	1.09	y	27:10	-	1.00
221	Tetr¶	13C-PCB-60	100.00	7.43e+07	0.79	y	34:16	-	1.00
222	Pent¶	13C-PCB-111	100.00	6.08e+07	1.65	y	36:31	-	1.00
223	Hexa¶	13C-PCB-138	100.00	5.06e+07	1.25	y	41:34	-	1.00
224	Octa¶	13C-PCB-205	100.00	5.31e+07	0.91	y	50:07	-	1.00
225	Tetr¶	13C-PCB-52	100.00	5.89e+07	0.77	y	29:28	-	0.85
226	Hept¶	13C-PCB-178	100.00	2.94e+07	0.44	y	42:19	-	0.91

Filename: 030929E1 S: 4 Acquired: 29-SEP-03 15:07:17
Run: 030929E1-ᵹ Analyte: ICal: PCBVG8-9-29-03-AIR Results: 030929E1-ᵹ
Sample text: ST030929E1-4 PCB 209 CS4 030916H

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Mono	PCB-1	125.00	1.68e+08	2.92 y	15:16	-	1.06
2	Mono	PCB-2	125.00	1.61e+08	2.93 y	17:30	-	0.90
3	Mono	PCB-3	125.00	1.83e+08	2.97 y	17:43	-	1.02
4	Di	PCB-4/10	250.00	3.17e+08	1.63 y	18:59	-	1.84
5	Di	PCB-7/9	250.00	3.89e+08	1.65 y	20:38	-	1.50
6	Di	PCB-6	125.00	1.90e+08	1.64 y	21:14	-	1.47
7	Di	PCB-5/8	250.00	3.83e+08	1.65 y	21:37	-	1.48
8	Di	PCB-14	125.00	1.88e+08	1.65 y	22:39	-	1.46
9	Di	PCB-11	125.00	1.88e+08	1.65 y	23:44	-	1.45
10	Di	PCB-12/13	250.00	3.91e+08	1.65 y	24:06	-	1.51
11	Di	PCB-15	125.00	2.20e+08	1.65 y	24:23	-	1.70
12	Tri	PCB-19	125.00	1.13e+08	1.03 y	22:47	-	1.23
13	Tri	PCB-30	125.00	1.61e+08	1.04 y	23:37	-	1.76
14	Tri	PCB-18	125.00	1.09e+08	1.03 y	24:18	-	0.71
15	Tri	PCB-17	125.00	1.22e+08	1.04 y	24:28	-	0.80
16	Tri	PCB-24/27	250.00	3.12e+08	1.03 y	25:00	-	1.02
17	Tri	PCB-16/32	250.00	2.69e+08	1.04 y	25:27	-	0.87
18	Tri	PCB-34	125.00	1.81e+08	1.09 y	26:12	-	1.31
19	Tri	PCB-23	125.00	1.94e+08	1.08 y	26:18	-	1.41
20	Tri	PCB-29	125.00	1.97e+08	1.08 y	26:31	-	1.43
21	Tri	PCB-26	125.00	1.89e+08	1.08 y	26:42	-	1.37
22	Tri	PCB-25	125.00	1.96e+08	1.09 y	26:52	-	1.43
23	Tri	PCB-31	125.00	1.93e+08	1.08 y	27:11	-	1.40
24	Tri	PCB-28	125.00	2.25e+08	1.08 y	27:17	-	1.63
25	Tri	PCB-20/21/33	375.00	5.72e+08	1.08 y	27:50	-	1.39
26	Tri	PCB-22	125.00	1.96e+08	1.08 y	28:15	-	1.42
27	Tri	PCB-36	125.00	1.80e+08	1.11 y	28:49	-	1.50
28	Tri	PCB-39	125.00	1.86e+08	1.11 y	29:15	-	1.55
29	Tri	PCB-38	125.00	1.76e+08	1.10 y	29:57	-	1.46
30	Tri	PCB-35	125.00	1.81e+08	1.10 y	30:26	-	1.50
31	Tri	PCB-37	125.00	2.00e+08	1.11 y	30:50	-	1.67
32	Tetra	PCB-54	250.00	2.76e+08	0.76 y	26:14	-	1.05
33	Tetra	PCB-50	250.00	2.05e+08	0.75 y	27:18	-	0.78
34	Tetra	PCB-53	250.00	2.10e+08	0.75 y	27:53	-	0.80
35	Tetra	PCB-51	250.00	2.06e+08	0.76 y	28:13	-	0.79
36	Tetra	PCB-45	250.00	1.69e+08	0.76 y	28:36	-	0.64
37	Tetra	PCB-46	250.00	1.67e+08	0.77 y	29:02	-	0.64
38	Tetra	PCB-52/69	500.00	4.61e+08	0.76 y	29:29	-	0.88
39	Tetra	PCB-73	250.00	2.47e+08	0.77 y	29:36	-	0.94

40	Tetra	PCB-43/49	500.00	4.04e+08	0.76 y	29:45	-	0.77
41	Tetra	PCB-47	250.00	1.98e+08	0.76 y	29:56	-	0.76
42	Tetra	PCB-48/75	500.00	4.83e+08	0.77 y	30:03	-	0.92
43	Tetra	PCB-65	250.00	2.27e+08	0.77 y	30:16	-	0.87
44	Tetra	PCB-62	250.00	2.50e+08	0.77 y	30:23	-	0.95
45	Tetra	PCB-44	250.00	1.69e+08	0.76 y	30:40	-	0.65
46	Tetra	PCB-42/59	500.00	4.48e+08	0.77 y	30:51	-	0.86
47	Tetra	PCB-41/64/71/72	1000.00	1.03e+09	0.77 y	31:24	-	0.98
48	Tetra	PCB-68	250.00	2.81e+08	0.76 y	31:39	-	1.07
49	Tetra	PCB-40	250.00	1.46e+08	0.77 y	31:49	-	0.56
50	Tetra	PCB-57	250.00	2.66e+08	0.76 y	32:10	-	1.15
51	Tetra	PCB-67	250.00	2.81e+08	0.76 y	32:27	-	1.22
52	Tetra	PCB-58	250.00	2.60e+08	0.77 y	32:33	-	1.13

53	Tetra	PCB-63	250.00	2.53e+08	0.77 y	32:42	-	1.10
54	Tetra	PCB-74	250.00	2.80e+08	0.75 y	32:57	-	1.21
55	Tetra	PCB-61	250.00	1.92e+08	0.75 y	33:04	-	0.83
56	Tetra	PCB-70	250.00	3.04e+08	0.77 y	33:09	-	1.32
57	Tetra	PCB-76	250.00	2.22e+08	0.79 y	33:16	-	0.96
58	Tetra	PCB-66	250.00	3.41e+08	0.73 y	33:20	-	1.48
59	Tetra	PCB-80	250.00	3.11e+08	0.76 y	33:33	-	1.35
60	Tetra	PCB-55	250.00	2.70e+08	0.76 y	33:48	-	1.17
61	Tetra	PCB-56/60	500.00	5.19e+08	0.77 y	34:16	-	1.13
62	Tetra	PCB-79	250.00	2.73e+08	0.76 y	35:15	-	1.18
63	Tetra	PCB-78	250.00	2.70e+08	0.76 y	35:53	-	1.17
64	Tetra	PCB-81	250.00	2.79e+08	0.76 y	36:21	-	1.21
65	Tetra	PCB-77	250.00	2.64e+08	0.77 y	36:53	-	1.09
66	Penta	PCB-104	250.00	2.21e+08	1.53 y	30:32	-	1.19
67	Penta	PCB-96	250.00	2.14e+08	1.53 y	31:40	-	1.15
68	Penta	PCB-103	250.00	1.79e+08	1.55 y	32:11	-	0.96
69	Penta	PCB-100	250.00	1.77e+08	1.53 y	32:31	-	0.95
70	Penta	PCB-94	250.00	1.46e+08	1.56 y	32:55	-	0.98
71	Penta	PCB-95/98/102	750.00	5.09e+08	1.53 y	33:22	-	1.14
72	Penta	PCB-93	250.00	1.44e+08	1.56 y	33:29	-	0.96
73	Penta	PCB-88/91	500.00	3.08e+08	1.53 y	33:45	-	1.03
74	Penta	PCB-121	250.00	2.25e+08	1.55 y	33:52	-	1.51
75	Penta	PCB-84/92	500.00	3.08e+08	1.55 y	34:36	-	1.05
76	Penta	PCB-89	250.00	1.45e+08	1.53 y	34:46	-	0.99
77	Penta	PCB-90/101	500.00	3.50e+08	1.53 y	34:57	-	1.19
78	Penta	PCB-113	250.00	1.88e+08	1.53 y	35:10	-	1.28
79	Penta	PCB-99	250.00	1.92e+08	1.54 y	35:16	-	1.31
80	Penta	PCB-119	250.00	2.23e+08	1.53 y	35:40	-	1.52
81	Penta	PCB-108/112	500.00	3.50e+08	1.56 y	35:48	-	1.19
82	Penta	PCB-83	250.00	2.05e+08	1.51 y	35:58	-	1.40
83	Penta	PCB-97	250.00	1.54e+08	1.52 y	36:08	-	1.05
84	Penta	PCB-86	250.00	1.42e+08	1.52 y	36:16	-	0.97
85	Penta	PCB-87/117/125	750.00	5.95e+08	1.54 y	36:23	-	1.35
86	Penta	PCB-111/115	500.00	4.60e+08	1.53 y	36:32	-	1.57
87	Penta	PCB-85/116	500.00	3.58e+08	1.55 y	36:39	-	1.22
88	Penta	PCB-120	250.00	2.32e+08	1.67 y	36:53	-	1.58
89	Penta	PCB-110	250.00	2.21e+08	1.42 y	36:59	-	1.51
90	Penta	PCB-82	250.00	1.25e+08	1.54 y	37:32	-	0.71
91	Penta	PCB-124	250.00	2.14e+08	1.53 y	38:11	-	1.21
92	Penta	PCB-107/109	500.00	4.60e+08	1.54 y	38:19	-	1.30
93	Penta	PCB-123	250.00	2.05e+08	1.57 y	38:28	-	1.16
94	Penta	PCB-106/118	500.00	4.34e+08	1.53 y	38:40	-	1.10
95	Penta	PCB-114	250.00	2.75e+08	1.65 y	39:14	-	1.48
96	Penta	PCB-122	250.00	2.63e+08	1.64 y	39:21	-	1.52
97	Penta	PCB-105	250.00	2.62e+08	1.72 y	40:00	-	1.51
98	Penta	PCB-127	250.00	2.53e+08	1.73 y	40:20	-	1.46
99	Penta	PCB-126	250.00	2.50e+08	1.76 y	42:03	-	1.42
100	Hexa	PCB-155	250.00	2.23e+08	1.23 y	34:32	-	1.16

101	Hexa	PCB-150	250.00	2.12e+08	1.24	y	35:40	-	1.10
102	Hexa	PCB-152	250.00	2.09e+08	1.24	y	36:06	-	1.09
103	Hexa	PCB-145	250.00	2.04e+08	1.23	y	36:31	-	1.06
104	Hexa	PCB-136	250.00	1.98e+08	1.30	y	36:47	-	1.03
105	Hexa	PCB-148	250.00	1.59e+08	1.17	y	36:55	-	0.83
106	Hexa	PCB-154	250.00	1.81e+08	1.24	y	37:22	-	0.94
107	Hexa	PCB-151	250.00	1.45e+08	1.24	y	37:56	-	0.76
108	Hexa	PCB-135	250.00	1.43e+08	1.23	y	38:07	-	0.74
109	Hexa	PCB-144	250.00	1.60e+08	1.24	y	38:14	-	0.83
110	Hexa	PCB-147	250.00	1.68e+08	1.24	y	38:21	-	0.87
111	Hexa	PCB-139/149	500.00	3.23e+08	1.23	y	38:35	-	0.84
112	Hexa	PCB-140	250.00	1.63e+08	1.25	y	38:45	-	0.85
113	Hexa	PCB-134/143	500.00	2.90e+08	1.20	y	39:08	-	0.81

114	Hexa	PCB-133/142	500.00	2.88e+08	1.22 y	39:24	-	0.80
115	Hexa	PCB-131	250.00	1.37e+08	1.22 y	39:34	-	0.76
116	Hexa	PCB-146/165	500.00	3.79e+08	1.21 y	39:46	-	1.05
117	Hexa	PCB-132/161	500.00	3.70e+08	1.21 y	39:59	-	1.03
118	Hexa	PCB-153	250.00	1.97e+08	1.21 y	40:08	-	1.09
119	Hexa	PCB-168	250.00	2.15e+08	1.21 y	40:20	-	1.19
120	Hexa	PCB-141	250.00	1.69e+08	1.21 y	40:49	-	0.94
121	Hexa	PCB-137	250.00	1.58e+08	1.20 y	41:10	-	0.87
122	Hexa	PCB-130	250.00	1.49e+08	1.22 y	41:14	-	0.83
123	Hexa	PCB-138/163/164	750.00	6.29e+08	1.21 y	41:35	-	1.16
124	Hexa	PCB-158/160	500.00	4.39e+08	1.22 y	41:49	-	1.22
125	Hexa	PCB-129	250.00	1.37e+08	1.22 y	42:02	-	0.76
126	Hexa	PCB-166	250.00	2.03e+08	1.21 y	42:27	-	0.98
127	Hexa	PCB-159	250.00	2.19e+08	1.21 y	42:45	-	1.06
128	Hexa	PCB-128/162	500.00	3.64e+08	1.20 y	43:00	-	0.88
129	Hexa	PCB-167	250.00	2.09e+08	1.21 y	43:22	-	1.01
130	Hexa	PCB-156	250.00	2.19e+08	1.22 y	44:32	-	1.09
131	Hexa	PCB-157	250.00	2.12e+08	1.21 y	44:46	-	0.99
132	Hexa	PCB-169	250.00	2.02e+08	1.22 y	46:45	-	1.00
133	Hepta	PCB-188	250.00	2.31e+08	1.05 y	39:49	-	1.53
134	Hepta	PCB-184	250.00	2.28e+08	1.05 y	40:13	-	1.51
135	Hepta	PCB-179	250.00	2.15e+08	1.06 y	40:55	-	1.42
136	Hepta	PCB-176	250.00	2.10e+08	1.06 y	41:20	-	1.39
137	Hepta	PCB-186	250.00	2.11e+08	1.05 y	41:52	-	1.40
138	Hepta	PCB-178	250.00	1.49e+08	1.05 y	42:20	-	0.99
139	Hepta	PCB-175	250.00	1.54e+08	1.05 y	42:39	-	1.02
140	Hepta	PCB-182/187	500.00	3.57e+08	1.05 y	42:49	-	1.18
141	Hepta	PCB-183	250.00	1.74e+08	1.06 y	43:06	-	1.15
142	Hepta	PCB-185	250.00	1.52e+08	1.05 y	43:41	-	1.44
143	Hepta	PCB-174	250.00	1.64e+08	1.05 y	44:01	-	1.56
144	Hepta	PCB-181	250.00	1.50e+08	1.06 y	44:07	-	1.43
145	Hepta	PCB-177	250.00	1.44e+08	1.05 y	44:16	-	1.37
146	Hepta	PCB-171	250.00	1.56e+08	1.05 y	44:32	-	1.48
147	Hepta	PCB-173	250.00	1.39e+08	1.04 y	44:55	-	1.33
148	Hepta	PCB-172	250.00	1.47e+08	1.05 y	45:19	-	1.40
149	Hepta	PCB-192	250.00	1.89e+08	1.06 y	45:31	-	1.79
150	Hepta	PCB-180	250.00	1.61e+08	1.05 y	45:41	-	1.53
151	Hepta	PCB-193	250.00	2.14e+08	1.05 y	45:53	-	2.04
152	Hepta	PCB-191	250.00	1.94e+08	1.06 y	46:07	-	1.84
153	Hepta	PCB-170	250.00	1.41e+08	1.05 y	47:04	-	1.61
154	Hepta	PCB-190	250.00	1.88e+08	1.05 y	47:14	-	2.15
155	Hepta	PCB-189	250.00	1.99e+08	1.05 y	48:29	-	1.43
156	Octa	PCB-202	375.00	2.55e+08	0.88 y	44:42	-	1.03
157	Octa	PCB-201	375.00	2.53e+08	0.89 y	45:09	-	1.03
158	Octa	PCB-204	375.00	2.60e+08	0.89 y	45:17	-	1.05
159	Octa	PCB-197	375.00	2.67e+08	0.89 y	45:34	-	1.08
160	Octa	PCB-200	375.00	2.50e+08	0.88 y	46:22	-	1.01
161	Octa	PCB-198	375.00	1.74e+08	0.93 y	47:37	-	0.71

162	Octa	PCB-199	375.00	1.90e+08	0.83	y	47:43	-	0.77
163	Octa	PCB-196/203	750.00	4.19e+08	0.88	y	47:58	-	0.85
164	Octa	PCB-195	375.00	2.28e+08	0.91	y	49:04	-	1.22
165	Octa	PCB-194	375.00	2.50e+08	0.92	y	49:52	-	1.34
166	Octa	PCB-205	375.00	3.12e+08	0.93	y	50:07	-	1.67
167	Nona	PCB-208	375.00	2.46e+08	1.33	y	49:12	-	0.99
168	Nona	PCB-207	375.00	2.27e+08	1.33	y	49:29	-	0.91
169	Nona	PCB-206	375.00	1.58e+08	1.31	y	51:18	-	0.92
170	Deca	PCB-209	375.00	2.78e+08	1.19	y	52:31	-	1.14
171	Tot	Total Mono-PCB	0.00	-	-	n	-	-	0.99

172	Tot ¶	Total Di-PCB	0.00	-	-	n	-	-	.53
173	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	1.02
174	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	1.46
175	Tot ¶	Total Tetra-PCB	0.00	-	-	n	-	-	0.87
176	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.14
177	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.48
178	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.92
179	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.98
180	Tot ¶	Total Hepta-PCB	0.00	-	-	n	-	-	1.41
181	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	0.93
182	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	1.41
183	Tot ¶	Total Nona-PCB	0.00	-	-	n	-	-	0.94
184	Tot ¶	Total Deca-PCB	375.00	2.78e+08	1.19	y	52:31	-	1.14
185	Mono¶	13C-PCB-1	100.00	1.27e+08	3.03	y	15:14	-	1.11
186	Mono¶	13C-PCB-3	100.00	1.44e+08	3.18	y	17:42	-	1.26
187	Di-IS	13C-PCB-4	100.00	6.86e+07	1.60	y	18:56	-	0.60
188	Di-IS	13C-PCB-9	100.00	1.03e+08	1.59	y	20:36	-	0.91
189	Tri-¶	13C-PCB-19	100.00	7.32e+07	1.05	y	22:46	-	0.71
190	Tri-¶	13C-PCB-32	100.00	1.23e+08	1.05	y	25:27	-	1.19
191	Tri-¶	13C-PCB-28	100.00	1.10e+08	1.10	y	27:16	-	1.07
192	Tri-¶	13C-PCB-37	100.00	9.61e+07	1.10	y	30:48	-	0.93
193	Tetr¶	13C-PCB-54	100.00	1.05e+08	0.79	y	26:12	-	1.11
194	Tetr¶	13C-PCB-81	100.00	9.23e+07	0.79	y	36:21	-	0.98
195	Tetr¶	13C-PCB-77	100.00	9.67e+07	0.78	y	36:53	-	1.03
196	Pent¶	13C-PCB-104	100.00	7.44e+07	1.62	y	30:30	-	0.94
197	Pent¶	13C-PCB-95	100.00	5.98e+07	1.62	y	33:24	-	0.76
198	Pent¶	13C-PCB-101	100.00	5.87e+07	1.62	y	34:56	-	0.74
199	Pent¶	13C-PCB-123	100.00	7.05e+07	1.63	y	38:27	-	0.89
200	Pent¶	13C-PCB-118	100.00	7.93e+07	1.65	y	38:37	-	1.01
201	Pent¶	13C-PCB-114	100.00	7.42e+07	1.60	y	39:13	-	1.15
202	Pent¶	13C-PCB-105	100.00	6.93e+07	1.60	y	39:59	-	1.07
203	Pent¶	13C-PCB-126	100.00	7.05e+07	1.58	y	42:02	-	1.09
204	Hexa¶	13C-PCB-155	100.00	7.70e+07	1.25	y	34:31	-	0.98
205	Hexa¶	13C-PCB-153	100.00	7.22e+07	1.26	y	40:08	-	1.12
206	Hexa¶	13C-PCB-167	100.00	8.30e+07	1.28	y	43:21	-	1.28
207	Hexa¶	13C-PCB-156	100.00	8.01e+07	1.26	y	44:31	-	1.24
208	Hexa¶	13C-PCB-157	100.00	8.60e+07	1.27	y	44:46	-	1.33
209	Hexa¶	13C-PCB-169	100.00	8.12e+07	1.22	y	46:44	-	1.26
210	Hept¶	13C-PCB-188	100.00	6.05e+07	0.46	y	39:47	-	0.94
211	Hept¶	13C-PCB-180	100.00	4.20e+07	0.45	y	45:40	-	0.65
212	Hept¶	13C-PCB-170	100.00	3.50e+07	0.45	y	47:03	-	0.54
213	Hept¶	13C-PCB-189	100.00	5.54e+07	0.45	y	48:28	-	0.86
214	Octa¶	13C-PCB-202	100.00	6.58e+07	0.90	y	44:41	-	1.02
215	Octa¶	13C-PCB-194	100.00	4.99e+07	0.92	y	49:52	-	0.72
216	Nona¶	13C-PCB-208	100.00	6.66e+07	0.77	y	49:11	-	0.97
217	Nona¶	13C-PCB-206	100.00	4.57e+07	0.74	y	51:17	-	0.66
218	Deca¶	13C-PCB-209	100.00	6.51e+07	1.18	y	52:30	-	0.94
219	Di-RS	13C-PCB-15	100.00	1.14e+08	1.59	y	24:22	-	1.00

220	Tri-q	13C-PCB-31	100.00	1.03e+08	1.09 y	27:10	-	1.00
221	Tetrq	13C-PCB-60	100.00	9.43e+07	0.80 y	34:16	-	1.00
222	Pentq	13C-PCB-111	100.00	7.89e+07	1.63 y	36:31	-	1.00
223	Hexaq	13C-PCB-138	100.00	6.46e+07	1.27 y	41:34	-	1.00
224	Octaq	13C-PCB-205	100.00	6.90e+07	0.91 y	50:07	-	1.00
225	Tetrq	13C-PCB-52	100.00	7.38e+07	0.78 y	29:28	-	0.80
226	Heptq	13C-PCB-178	100.00	3.77e+07	0.45 y	42:19	-	0.90

Filename: 030929E1 S: 5 Acquired: 29-SEP-03 16:07:37
Run: 030929E1-¶ Analyte: ICal: PCBVG8-9-29-03-AIR Results: 030929E1-¶
Sample text: ST030929E1-5 PCB 209 CS5 030916I

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Mono	PCB-1	500.00	5.82e+08	2.82 y	15:15	-	1.01
2	Mono	PCB-2	500.00	6.14e+08	2.92 y	17:30	-	0.86
3	Mono	PCB-3	500.00	6.91e+08	2.88 y	17:43	-	0.96
4	Di	PCB-4/10	1000.00	1.20e+09	1.61 y	18:59	-	1.79
5	Di	PCB-7/9	1000.00	1.53e+09	1.65 y	20:39	-	1.48
6	Di	PCB-6	500.00	7.45e+08	1.66 y	21:14	-	1.45
7	Di	PCB-5/8	1000.00	1.50e+09	1.67 y	21:37	-	1.46
8	Di	PCB-14	500.00	7.38e+08	1.68 y	22:38	-	1.43
9	Di	PCB-11	500.00	7.31e+08	1.68 y	23:44	-	1.42
10	Di	PCB-12/13	1000.00	1.53e+09	1.67 y	24:06	-	1.48
11	Di	PCB-15	500.00	8.56e+08	1.66 y	24:23	-	1.66
12	Tri	PCB-19	500.00	4.08e+08	1.05 y	22:47	-	1.16
13	Tri	PCB-30	500.00	6.02e+08	1.03 y	23:38	-	1.72
14	Tri	PCB-18	500.00	4.18e+08	1.03 y	24:18	-	0.68
15	Tri	PCB-17	500.00	4.65e+08	1.04 y	24:28	-	0.75
16	Tri	PCB-24/27	1000.00	1.22e+09	1.03 y	25:00	-	0.99
17	Tri	PCB-16/32	1000.00	1.02e+09	1.04 y	25:27	-	0.83
18	Tri	PCB-34	500.00	6.69e+08	1.06 y	26:12	-	1.17
19	Tri	PCB-23	500.00	7.66e+08	1.08 y	26:18	-	1.34
20	Tri	PCB-29	500.00	7.57e+08	1.08 y	26:32	-	1.32
21	Tri	PCB-26	500.00	7.25e+08	1.09 y	26:42	-	1.27
22	Tri	PCB-25	500.00	7.57e+08	1.09 y	26:52	-	1.32
23	Tri	PCB-31	500.00	7.24e+08	1.08 y	27:11	-	1.27
24	Tri	PCB-28	500.00	8.82e+08	1.09 y	27:17	-	1.54
25	Tri	PCB-20/21/33	1500.00	2.17e+09	1.11 y	27:50	-	1.27
26	Tri	PCB-22	500.00	7.49e+08	1.11 y	28:15	-	1.31
27	Tri	PCB-36	500.00	7.06e+08	1.11 y	28:49	-	1.44
28	Tri	PCB-39	500.00	7.37e+08	1.11 y	29:15	-	1.50
29	Tri	PCB-38	500.00	7.29e+08	1.17 y	29:58	-	1.48
30	Tri	PCB-35	500.00	6.98e+08	1.12 y	30:26	-	1.42
31	Tri	PCB-37	500.00	7.67e+08	1.10 y	30:50	-	1.56
32	Tetra	PCB-54	1000.00	1.06e+09	0.75 y	26:13	-	0.99
33	Tetra	PCB-50	1000.00	7.87e+08	0.76 y	27:19	-	0.73
34	Tetra	PCB-53	1000.00	7.69e+08	0.76 y	27:54	-	0.72
35	Tetra	PCB-51	1000.00	7.70e+08	0.76 y	28:13	-	0.72
36	Tetra	PCB-45	1000.00	6.80e+08	0.76 y	28:36	-	0.63
37	Tetra	PCB-46	1000.00	6.44e+08	0.77 y	29:03	-	0.60
38	Tetra	PCB-52/69	2000.00	1.77e+09	0.76 y	29:30	-	0.82
39	Tetra	PCB-73	1000.00	1.03e+09	0.77 y	29:36	-	0.96

40	Tetra	PCB-43/49	2000.00	1.56e+09	0.76 y	29:45	-	0.73
41	Tetra	PCB-47	1000.00	8.81e+08	0.75 y	29:57	-	0.82
42	Tetra	PCB-48/75	2000.00	1.93e+09	0.76 y	30:03	-	0.90
43	Tetra	PCB-65	1000.00	9.49e+08	0.76 y	30:17	-	0.88
44	Tetra	PCB-62	1000.00	9.23e+08	0.77 y	30:24	-	0.86
45	Tetra	PCB-44	1000.00	6.73e+08	0.77 y	30:39	-	0.63
46	Tetra	PCB-42/59	2000.00	1.80e+09	0.77 y	30:52	-	0.84
47	Tetra	PCB-41/64/71/72	4000.00	4.07e+09	0.77 y	31:25	-	0.95
48	Tetra	PCB-68	1000.00	1.11e+09	0.76 y	31:40	-	1.03
49	Tetra	PCB-40	1000.00	5.93e+08	0.76 y	31:50	-	0.55
50	Tetra	PCB-57	1000.00	1.09e+09	0.76 y	32:11	-	1.03
51	Tetra	PCB-67	1000.00	1.10e+09	0.76 y	32:28	-	1.04
52	Tetra	PCB-58	1000.00	1.10e+09	0.76 y	32:34	-	1.04

53	Tetra	PCB-63	1000.00	1.07e+09	0.77 y	32:42	-	1.02
54	Tetra	PCB-74	1000.00	1.11e+09	0.76 y	32:58	-	1.05
55	Tetra	PCB-61	1000.00	9.50e+08	0.76 y	33:05	-	0.90
56	Tetra	PCB-70	1000.00	1.04e+09	0.78 y	33:10	-	0.98
57	Tetra	PCB-76	1000.00	1.05e+09	0.76 y	33:17	-	1.00
58	Tetra	PCB-66	1000.00	1.21e+09	0.78 y	33:21	-	1.14
59	Tetra	PCB-80	1000.00	1.31e+09	0.76 y	33:33	-	1.24
60	Tetra	PCB-55	1000.00	1.11e+09	0.77 y	33:49	-	1.05
61	Tetra	PCB-56/60	2000.00	2.18e+09	0.76 y	34:17	-	1.03
62	Tetra	PCB-79	1000.00	1.15e+09	0.77 y	35:16	-	1.09
63	Tetra	PCB-78	1000.00	1.12e+09	0.77 y	35:53	-	1.06
64	Tetra	PCB-81	1000.00	1.23e+09	0.76 y	36:22	-	1.17
65	Tetra	PCB-77	1000.00	1.14e+09	0.76 y	36:54	-	1.06
66	Penta	PCB-104	1000.00	8.44e+08	1.52 y	30:32	-	1.16
67	Penta	PCB-96	1000.00	8.31e+08	1.53 y	31:40	-	1.14
68	Penta	PCB-103	1000.00	7.05e+08	1.53 y	32:11	-	0.97
69	Penta	PCB-100	1000.00	6.99e+08	1.52 y	32:30	-	0.96
70	Penta	PCB-94	1000.00	5.70e+08	1.53 y	32:56	-	0.95
71	Penta	PCB-95/98/102	3000.00	1.92e+09	1.52 y	33:22	-	1.07
72	Penta	PCB-93	1000.00	6.20e+08	1.55 y	33:29	-	1.03
73	Penta	PCB-88/91	2000.00	1.15e+09	1.52 y	33:45	-	0.96
74	Penta	PCB-121	1000.00	9.18e+08	1.55 y	33:52	-	1.53
75	Penta	PCB-84/92	2000.00	1.23e+09	1.53 y	34:36	-	0.98
76	Penta	PCB-89	1000.00	5.64e+08	1.53 y	34:46	-	0.90
77	Penta	PCB-90/101	2000.00	1.36e+09	1.52 y	34:57	-	1.09
78	Penta	PCB-113	1000.00	7.02e+08	1.51 y	35:10	-	1.12
79	Penta	PCB-99	1000.00	7.86e+08	1.54 y	35:16	-	1.26
80	Penta	PCB-119	1000.00	8.79e+08	1.53 y	35:41	-	1.41
81	Penta	PCB-108/112	2000.00	1.42e+09	1.53 y	35:49	-	1.14
82	Penta	PCB-83	1000.00	7.94e+08	1.53 y	35:58	-	1.27
83	Penta	PCB-97	1000.00	6.14e+08	1.52 y	36:08	-	0.98
84	Penta	PCB-86	1000.00	5.34e+08	1.51 y	36:16	-	0.86
85	Penta	PCB-87/117/125	3000.00	2.54e+09	1.53 y	36:23	-	1.36
86	Penta	PCB-111/115	2000.00	1.81e+09	1.52 y	36:32	-	1.45
87	Penta	PCB-85/116	2000.00	1.53e+09	1.54 y	36:39	-	1.23
88	Penta	PCB-120	1000.00	9.57e+08	1.53 y	36:53	-	1.53
89	Penta	PCB-110	1000.00	8.67e+08	1.54 y	36:59	-	1.39
90	Penta	PCB-82	1000.00	5.03e+08	1.53 y	37:33	-	0.67
91	Penta	PCB-124	1000.00	9.11e+08	1.53 y	38:12	-	1.22
92	Penta	PCB-107/109	2000.00	1.86e+09	1.53 y	38:19	-	1.24
93	Penta	PCB-123	1000.00	8.18e+08	1.52 y	38:29	-	1.09
94	Penta	PCB-106/118	2000.00	1.79e+09	1.53 y	38:39	-	1.02
95	Penta	PCB-114	1000.00	1.05e+09	1.67 y	39:14	-	1.38
96	Penta	PCB-122	1000.00	1.04e+09	1.63 y	39:21	-	1.38
97	Penta	PCB-105	1000.00	1.08e+09	1.71 y	40:01	-	1.44
98	Penta	PCB-127	1000.00	1.04e+09	1.72 y	40:20	-	1.39
99	Penta	PCB-126	1000.00	1.03e+09	1.77 y	42:03	-	1.43
100	Hexa	PCB-155	1000.00	8.78e+08	1.23 y	34:33	-	1.13

101	Hexa	PCB-150	1000.00	8.44e+08	1.23 y	35:41	-	1.09
102	Hexa	PCB-152	1000.00	8.36e+08	1.23 y	36:06	-	1.08
103	Hexa	PCB-145	1000.00	8.50e+08	1.23 y	36:31	-	1.10
104	Hexa	PCB-136	1000.00	7.99e+08	1.24 y	36:48	-	1.03
105	Hexa	PCB-148	1000.00	6.49e+08	1.23 y	36:55	-	0.84
106	Hexa	PCB-154	1000.00	7.27e+08	1.24 y	37:22	-	0.94
107	Hexa	PCB-151	1000.00	5.87e+08	1.24 y	37:56	-	0.76
108	Hexa	PCB-135	1000.00	5.48e+08	1.21 y	38:08	-	0.71
109	Hexa	PCB-144	1000.00	6.49e+08	1.23 y	38:14	-	0.84
110	Hexa	PCB-147	1000.00	7.15e+08	1.24 y	38:21	-	0.92
111	Hexa	PCB-139/149	2000.00	1.36e+09	1.22 y	38:36	-	0.88
112	Hexa	PCB-140	1000.00	6.47e+08	1.23 y	38:45	-	0.84
113	Hexa	PCB-134/143	2000.00	1.11e+09	1.21 y	39:09	-	0.75

114	Hexa	PCB-133/142	2000.00	1.18e+09	1.21 y	39:25	-	0.80
115	Hexa	PCB-131	1000.00	5.53e+08	1.21 y	39:34	-	0.75
116	Hexa	PCB-146/165	2000.00	1.60e+09	1.21 y	39:47	-	1.08
117	Hexa	PCB-132/161	2000.00	1.53e+09	1.22 y	40:00	-	1.03
118	Hexa	PCB-153	1000.00	7.44e+08	1.20 y	40:09	-	1.01
119	Hexa	PCB-168	1000.00	8.79e+08	1.21 y	40:21	-	1.19
120	Hexa	PCB-141	1000.00	6.82e+08	1.21 y	40:50	-	0.92
121	Hexa	PCB-137	1000.00	6.49e+08	1.20 y	41:10	-	0.88
122	Hexa	PCB-130	1000.00	5.87e+08	1.22 y	41:15	-	0.79
123	Hexa	PCB-138/163/164	3000.00	2.59e+09	1.21 y	41:36	-	1.17
124	Hexa	PCB-158/160	2000.00	1.82e+09	1.21 y	41:50	-	1.23
125	Hexa	PCB-129	1000.00	5.75e+08	1.21 y	42:02	-	0.78
126	Hexa	PCB-166	1000.00	8.38e+08	1.21 y	42:27	-	0.95
127	Hexa	PCB-159	1000.00	9.09e+08	1.21 y	42:46	-	1.03
128	Hexa	PCB-128/162	2000.00	1.51e+09	1.20 y	43:01	-	0.86
129	Hexa	PCB-167	1000.00	8.40e+08	1.20 y	43:23	-	0.95
130	Hexa	PCB-156	1000.00	9.28e+08	1.20 y	44:33	-	1.05
131	Hexa	PCB-157	1000.00	8.85e+08	1.20 y	44:47	-	0.94
132	Hexa	PCB-169	1000.00	8.27e+08	1.21 y	46:45	-	0.93
133	Hepta	PCB-188	1000.00	9.50e+08	1.06 y	39:49	-	1.45
134	Hepta	PCB-184	1000.00	9.20e+08	1.05 y	40:13	-	1.41
135	Hepta	PCB-179	1000.00	8.22e+08	1.05 y	40:55	-	1.26
136	Hepta	PCB-176	1000.00	8.48e+08	1.05 y	41:20	-	1.30
137	Hepta	PCB-186	1000.00	8.55e+08	1.06 y	41:53	-	1.31
138	Hepta	PCB-178	1000.00	5.91e+08	1.05 y	42:20	-	0.90
139	Hepta	PCB-175	1000.00	6.16e+08	1.04 y	42:39	-	0.94
140	Hepta	PCB-182/187	2000.00	1.48e+09	1.05 y	42:49	-	1.13
141	Hepta	PCB-183	1000.00	6.88e+08	1.05 y	43:06	-	1.05
142	Hepta	PCB-185	1000.00	6.13e+08	1.05 y	43:42	-	1.38
143	Hepta	PCB-174	1000.00	6.36e+08	1.04 y	44:01	-	1.43
144	Hepta	PCB-181	1000.00	6.10e+08	1.07 y	44:07	-	1.37
145	Hepta	PCB-177	1000.00	5.71e+08	1.03 y	44:16	-	1.29
146	Hepta	PCB-171	1000.00	6.42e+08	1.05 y	44:32	-	1.45
147	Hepta	PCB-173	1000.00	5.70e+08	1.04 y	44:55	-	1.28
148	Hepta	PCB-172	1000.00	6.23e+08	1.05 y	45:20	-	1.40
149	Hepta	PCB-192	1000.00	7.71e+08	1.05 y	45:31	-	1.74
150	Hepta	PCB-180	1000.00	6.58e+08	1.05 y	45:42	-	1.48
151	Hepta	PCB-193	1000.00	8.58e+08	1.05 y	45:53	-	1.93
152	Hepta	PCB-191	1000.00	7.84e+08	1.05 y	46:07	-	1.77
153	Hepta	PCB-170	1000.00	5.78e+08	1.04 y	47:04	-	1.52
154	Hepta	PCB-190	1000.00	7.82e+08	1.04 y	47:14	-	2.06
155	Hepta	PCB-189	1000.00	8.26e+08	1.05 y	48:29	-	1.37
156	Octa	PCB-202	1500.00	1.02e+09	0.87 y	44:42	-	0.98
157	Octa	PCB-201	1500.00	1.05e+09	0.87 y	45:09	-	1.00
158	Octa	PCB-204	1500.00	1.09e+09	0.88 y	45:18	-	1.04
159	Octa	PCB-197	1500.00	1.11e+09	0.88 y	45:34	-	1.06
160	Octa	PCB-200	1500.00	1.05e+09	0.88 y	46:22	-	1.00
161	Octa	PCB-198	1500.00	7.69e+08	0.88 y	47:37	-	0.74

162	Octa	PCB-199	1500.00	8.02e+08	0.89	y	47:43	-	0.77
163	Octa	PCB-196/203	3000.00	1.82e+09	0.88	y	47:59	-	0.87
164	Octa	PCB-195	1500.00	1.03e+09	0.90	y	49:04	-	1.20
165	Octa	PCB-194	1500.00	1.05e+09	0.93	y	49:53	-	1.22
166	Octa	PCB-205	1500.00	1.38e+09	0.93	y	50:07	-	1.59
167	Nona	PCB-208	1500.00	9.79e+08	1.33	y	49:12	-	0.92
168	Nona	PCB-207	1500.00	8.96e+08	1.33	y	49:29	-	0.85
169	Nona	PCB-206	1500.00	6.61e+08	1.32	y	51:19	-	0.88
170	Deca	PCB-209	1500.00	1.17e+09	1.19	y	52:31	-	1.10
171	Tot ¶	Total Mono-PCB	0.00	-	-	n	-	-	0.94

172	Tot ¶	Total Di-PCB	0.00	-	-	n	-	-	1.49
173	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	0.98
174	Tot ¶	Total Tri-PCB	0.00	-	-	n	-	-	1.36
175	Tot ¶	Total Tetra-PCB	0.00	-	-	n	-	-	0.84
176	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.10
177	Tot ¶	Total Penta-PCB	0.00	-	-	n	-	-	1.41
178	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.93
179	Tot ¶	Total Hexa-PCB	0.00	-	-	n	-	-	0.96
180	Tot ¶	Total Hepta-PCB	0.00	-	-	n	-	-	1.34
181	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	0.93
182	Tot ¶	Total Octa-PCB	0.00	-	-	n	-	-	1.34
183	Tot ¶	Total Nona-PCB	0.00	-	-	n	-	-	0.88
184	Tot ¶	Total Deca-PCB	1500.00	1.17e+09	1.19	y	52:31	-	1.10
185	Mono¶	13C-PCB-1	100.00	1.15e+08	2.89	y	15:14	-	1.00
186	Mono¶	13C-PCB-3	100.00	1.44e+08	3.11	y	17:42	-	1.25
187	Di-IS	13C-PCB-4	100.00	6.72e+07	1.57	y	18:56	-	0.58
188	Di-IS	13C-PCB-9	100.00	1.03e+08	1.60	y	20:36	-	0.90
189	Tri-¶	13C-PCB-19	100.00	7.01e+07	1.05	y	22:46	-	0.70
190	Tri-¶	13C-PCB-32	100.00	1.24e+08	1.05	y	25:27	-	1.24
191	Tri-¶	13C-PCB-28	100.00	1.14e+08	1.09	y	27:16	-	1.14
192	Tri-¶	13C-PCB-37	100.00	9.82e+07	1.09	y	30:49	-	0.98
193	Tetr¶	13C-PCB-54	100.00	1.07e+08	0.80	y	26:12	-	1.07
194	Tetr¶	13C-PCB-81	100.00	1.06e+08	0.78	y	36:21	-	1.06
195	Tetr¶	13C-PCB-77	100.00	1.08e+08	0.78	y	36:53	-	1.08
196	Pent¶	13C-PCB-104	100.00	7.30e+07	1.63	y	30:31	-	0.82
197	Pent¶	13C-PCB-95	100.00	6.00e+07	1.64	y	33:24	-	0.67
198	Pent¶	13C-PCB-101	100.00	6.24e+07	1.65	y	34:56	-	0.70
199	Pent¶	13C-PCB-123	100.00	7.49e+07	1.62	y	38:27	-	0.84
200	Pent¶	13C-PCB-118	100.00	8.80e+07	1.60	y	38:37	-	0.98
201	Pent¶	13C-PCB-114	100.00	7.59e+07	1.58	y	39:13	-	1.12
202	Pent¶	13C-PCB-105	100.00	7.51e+07	1.58	y	40:00	-	1.11
203	Pent¶	13C-PCB-126	100.00	7.22e+07	1.57	y	42:02	-	1.06
204	Hexa¶	13C-PCB-155	100.00	7.74e+07	1.25	y	34:32	-	0.86
205	Hexa¶	13C-PCB-153	100.00	7.40e+07	1.27	y	40:08	-	1.09
206	Hexa¶	13C-PCB-167	100.00	8.81e+07	1.27	y	43:21	-	1.30
207	Hexa¶	13C-PCB-156	100.00	8.85e+07	1.24	y	44:32	-	1.31
208	Hexa¶	13C-PCB-157	100.00	9.37e+07	1.26	y	44:46	-	1.38
209	Hexa¶	13C-PCB-169	100.00	8.85e+07	1.25	y	46:44	-	1.30
210	Hept¶	13C-PCB-188	100.00	6.54e+07	0.45	y	39:47	-	0.96
211	Hept¶	13C-PCB-180	100.00	4.44e+07	0.46	y	45:41	-	0.65
212	Hept¶	13C-PCB-170	100.00	3.79e+07	0.45	y	47:03	-	0.56
213	Hept¶	13C-PCB-189	100.00	6.02e+07	0.45	y	48:28	-	0.89
214	Octa¶	13C-PCB-202	100.00	6.96e+07	0.90	y	44:41	-	1.03
215	Octa¶	13C-PCB-194	100.00	5.76e+07	0.92	y	49:52	-	0.71
216	Nona¶	13C-PCB-208	100.00	7.06e+07	0.78	y	49:11	-	0.87
217	Nona¶	13C-PCB-206	100.00	5.00e+07	0.76	y	51:18	-	0.61
218	Deca¶	13C-PCB-209	100.00	7.15e+07	1.18	y	52:30	-	0.88
219	Di-RS	13C-PCB-15	100.00	1.15e+08	1.58	y	24:22	-	1.00

220	Tri-¶	13C-PCB-31	100.00	1.00e+08	1.09 y	27:10	-	1.00
221	Tetr¶	13C-PCB-60	100.00	1.00e+08	0.80 y	34:16	-	1.00
222	Pent¶	13C-PCB-111	100.00	8.95e+07	1.61 y	36:32	-	1.00
223	Hexa¶	13C-PCB-138	100.00	6.78e+07	1.28 y	41:34	-	1.00
224	Octa¶	13C-PCB-205	100.00	8.15e+07	0.92 y	50:07	-	1.00
225	Tetr¶	13C-PCB-52	100.00	7.42e+07	0.78 y	29:28	-	0.70
226	Hept¶	13C-PCB-178	100.00	3.77e+07	0.45 y	42:19	-	0.85

Client ID: PCB 209 SSS 030711A Filename: 030929E1 S:7 Acq:29-SEP-03 18:08:16 ConCal: ST030929E1-3
Lab ID: ST030929E1-6 GC Column ID: DB-1 ICal: PCBVG8-9-29-03 wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Mono	PCB-1	3.93e+07	2.89 y	15:15	1.00	48.0
Mono	PCB-2	3.90e+07	2.93 y	17:29	0.84	49.6
Mono	PCB-3	4.40e+07	2.93 y	17:42	0.96	49.1
Di	PCB-4/10	7.66e+07	1.65 y	18:58	1.81	86.2
Di	PCB-7/9	9.50e+07	1.69 y	20:38	1.48	94.1
Di	PCB-6	4.86e+07	1.73 y	21:14	1.48	48.2
Di	PCB-5/8	9.48e+07	1.69 y	21:37	1.44	97.0
Di	PCB-14	5.26e+07	1.69 y	22:38	1.51	51.2
Di	PCB-11	4.88e+07	1.68 y	23:44	1.45	49.5
Di	PCB-12/13	9.38e+07	1.68 y	24:06	1.50	91.9
Di	PCB-15	4.80e+07	1.71 y	24:23	1.70	41.5
Tri	PCB-19	2.69e+07	1.04 y	22:47	1.18	44.5
Tri	PCB-30	3.61e+07	1.04 y	23:37	1.67	42.4
Tri	PCB-18	2.70e+07	1.04 y	24:18	0.69	48.7
Tri	PCB-17	2.89e+07	1.06 y	24:28	0.78	46.0
Tri	PCB-24/27	7.32e+07	1.04 y	24:59	0.99	92.0
Tri	PCB-16/32	6.49e+07	1.03 y	25:27	0.85	94.6
Tri	PCB-34	4.14e+07	1.07 y	26:12	1.19	46.2
Tri	PCB-23	4.64e+07	1.06 y	26:18	1.33	46.5
Tri	PCB-29	4.30e+07	1.07 y	26:31	1.35	42.2
Tri	PCB-26	4.43e+07	1.09 y	26:42	1.28	45.9
Tri	PCB-25	4.85e+07	1.08 y	26:51	1.33	48.3
Tri	PCB-31	4.43e+07	1.10 y	27:11	1.30	45.3
Tri	PCB-28	5.18e+07	1.11 y	27:17	1.54	44.6
Tri	CB-20/21/33	1.38e+08	1.09 y	27:49	1.27	144
Tri	PCB-22	4.90e+07	1.06 y	28:14	1.33	48.9
Tri	PCB-36	4.78e+07	1.10 y	28:48	1.47	51.3
Tri	PCB-39	4.48e+07	1.11 y	29:15	1.57	45.1
Tri	PCB-38	4.43e+07	1.09 y	29:57	1.46	47.8
Tri	PCB-35	4.00e+07	1.10 y	30:25	1.42	44.4
Tri	PCB-37	4.38e+07	1.09 y	30:49	1.57	44.1
Tetra	PCB-54	2.91e+07	0.74 y	26:13	0.99	47.5
Tetra	PCB-50	2.35e+07	0.75 y	27:18	0.73	51.9
Tetra	PCB-53	2.28e+07	0.76 y	27:53	0.71	51.8
Tetra	PCB-51	2.39e+07	0.75 y	28:11	0.72	53.5
Tetra	PCB-45	1.91e+07	0.75 y	28:36	0.62	49.6
Tetra	PCB-46	1.73e+07	0.75 y	29:02	0.60	46.4

Type	Name	Resp	RA	RT	RRF	Conc
Tetra	PCB-52/69	4.69e+07	0.82 y	29:29	0.81	94.2
Tetra	PCB-73	2.74e+07	0.66 y	29:35	0.90	49.1
Tetra	PCB-43/49	4.40e+07	0.78 y	29:44	0.71	101
Tetra	PCB-47	2.06e+07	0.76 y	29:56	0.73	45.9
Tetra	PCB-48/75	5.26e+07	0.76 y	30:02	0.86	99.0
Tetra	PCB-65	2.71e+07	0.76 y	30:16	0.86	51.0
Tetra	PCB-62	2 83e+07	0.77 y	30:22	0.83	55.3
Tetra	PCB-44	1.84e+07	0.77 y	30:38	0.61	48.8
Tetra	PCB-42/59	4.96e+07	0.77 y	30:51	0.79	102
Tetra	41/64/71/72	1.13e+08	0.76 y	31:23	0.88	208
Tetra	PCB-68	3.01e+07	0.76 y	31:38	0.97	50.4
Tetra	PCB-40	1.48e+07	0.77 y	31:49	0.53	45.2
Tetra	PCB-57	3.03e+07	0.75 y	32:10	1.09	49.0
Tetra	PCB-67	2.99e+07	0.74 y	32:27	1.12	47.1
Tetra	PCB-58	2.63e+07	0.76 y	32:33	1.08	42.9
Tetra	PCB-63	3.15e+07	0.75 y	32.41	1.09	51.1
Tetra	PCB-74	3.16e+07	0.75 y	32:57	1.15	48.4
Tetra	PCB-61	2.37e+07	0.75 y	33:04	0.91	46.1
Tetra	PCB-70	3.18e+07	0.77 y	33:09	1.14	49.4
Tetra	PCB-76	2.30e+07	0.68 y	33:16	0 99	41.0
Tetra	PCB-66	3.47e+07	0.81 y	33:20	1 31	46.6
Tetra	PCB-80	3.09e+07	0.77 y	33:33	1 28	42.6
Tetra	PCB-55	2.77e+07	0.74 y	33:48	1.10	44.5
Tetra	PCB-56/60	5.74e+07	0.76 y	34:16	1.09	92.8
Tetra	PCB-79	3.10e+07	0.78 y	35:15	1.12	48.9
Tetra	PCB-78	2.99e+07	0.75 y	35:53	1.08	48.8
Tetra	PCB-81	2.88e+07	0.75 y	36:21	1.16	43.8
Tetra	PCB-77	3.03e+07	0.77 y	36.53	1 06	49.5
Penta	PCB-104	2.78e+07	1.56 y	30:31	1.16	49.2
Penta	PCB-96	2.40e+07	1.53 y	31:40	1.10	44.7
Penta	PCB-103	1.96e+07	1.56 y	32·11	0.91	43.9
Penta	PCB-100	1.98e+07	1.55 y	32:30	0.90	44.8
Penta	PCB-94	1.63e+07	1.54 y	32:55	0.98	46.3
Penta	B-95/98/102	5.85e+07	1.54 y	33:21	1.09	149
Penta	PCB-93	1.38e+07	1.59 y	33:29	1.00	38.3
Penta	PCB-88/91	3.63e+07	1.56 y	33.45	1.00	101
Penta	PCB-121	2.45e+07	1.58 y	33.51	1.49	45.8

RL: MONO, TRI: _____ Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 9.30-03

Client ID: PCB 209 SSS 030711A Filename: 030929E1 S:7 Acq:29-SEP-03 18:08:16 ConCal: ST030929E1-3
Lab ID: ST030929E1-6 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Penta	PCB-84/92	3.17e+07	1.54 y	34:36	1.01	85.0
Penta	PCB-89	1.84e+07	1.56 y	34:46	0.96	51.8
Penta	PCB-90/101	3.63e+07	1.56 y	34:56	1.14	86.5
Penta	PCB-113	2.27e+07	1.52 y	35:10	1.19	51.6
Penta	PCB-99	2.10e+07	1.56 y	35:15	1.27	45.0
Penta	PCB-119	2.29e+07	1.52 y	35:40	1.45	42.8
Penta	PCB-108/112	3.64e+07	1.54 y	35:48	1.15	86.0
Penta	PCB-83	2.16e+07	1.54 y	35:58	1.31	44.9
Penta	PCB-97	1.86e+07	1.56 y	36:08	1.02	49.4
Penta	PCB-86	1.33e+07	1.46 y	36:15	0.91	39.7
Penta	-87/117/125	6.77e+07	1.55 y	36:22	1.32	139
Penta	PCB-111/115	4.99e+07	1.67 y	36:32	1.46	92.5
Penta	PCB-85/116	3.99e+07	1.37 y	36:38	1.21	89.9
Penta	PCB-120	2.26e+07	1.53 y	36:52	1.53	40.2
Penta	PCB-110	2.57e+07	1.56 y	36:59	1.47	47.4
Penta	PCB-82	1.41e+07	1.53 y	37:32	0.70	44.3
Penta	PCB-124	2.29e+07	1.54 y	38:11	1.17	42.8
Penta	PCB-107/109	4.98e+07	1.56 y	38:19	1.21	90.0
Penta	PCB-123	2.55e+07	1.53 y	38:28	1.15	48.4
Penta	PCB-106/118	4.92e+07	1.54 y	38:39	1.06	99.2
Penta	PCB-114	3.47e+07	1.69 y	39:14	1.40	54.7
Penta	PCB-122	2.90e+07	1.63 y	39:21	1.45	42.1
Penta	PCB-105	2.93e+07	1.68 y	40:00	1.44	43.1
Penta	PCB-127	3.06e+07	1.68 y	40:20	1.35	47.9
Penta	PCB-126	2.96e+07	1.77 y	42:03	1.41	49.0
Hexa	PCB-155	2.58e+07	1.23 y	34:32	1.12	46.3
Hexa	PCB-150	2.41e+07	1.25 y	35:40	1.04	46.8
Hexa	PCB-152	2.54e+07	1.24 y	36:06	1.03	49.9
Hexa	PCB-145	2.42e+07	1.25 y	36:30	1.02	48.0
Hexa	PCB-136	2.02e+07	1.24 y	36:47	1.00	41.0
Hexa	PCB-148	1.77e+07	1.23 y	36:54	0.79	45.5
Hexa	PCB-154	1.82e+07	1.23 y	37:21	0.92	40.0
Hexa	PCB-151	1.53e+07	1.25 y	37:55	0.72	42.9
Hexa	PCB-135	1.61e+07	1.22 y	38:07	0.70	46.1
Hexa	PCB-144	1.63e+07	1.23 y	38:14	0.77	42.7
Hexa	PCB-147	1.78e+07	1.23 y	38:21	0.83	43.3
Hexa	PCB-139/149	3.68e+07	1.23 y	38:35	0.80	93.1

Type	Name	Resp	RA	RT	RRF	Conc
Hexa	PCB-140	1.68e+07	1.23 y	38:45	0.80	42.5
Hexa	PCB-134/143	2.89e+07	1.21 y	39:08	0.74	83.7
Hexa	PCB-133/142	3.16e+07	1.20 y	39:25	0.74	90.8
Hexa	PCB-131	1.49e+07	1.22 y	39:34	0.72	44.0
Hexa	PCB-146/165	3.88e+07	1.20 y	39:46	1.01	82.0
Hexa	PCB-132/161	3.90e+07	1.21 y	39:59	0.96	87.2
Hexa	PCB-153	2.20e+07	1.22 y	40:09	1.03	45.8
Hexa	PCB-168	2.38e+07	1.21 y	40:21	1.11	45.7
Hexa	PCB-141	1.77e+07	1.21 y	40:49	0.89	42.7
Hexa	PCB-137	2.15e+07	1.20 y	41:10	0.84	55.1
Hexa	PCB-130	1.47e+07	1.25 y	41:15	0.77	40.7
Hexa	138/163/164	6.72e+07	1.22 y	41:36	1.09	132
Hexa	PCB-158/160	4.61e+07	1.20 y	41:49	1.16	84.8
Hexa	PCB-129	1.70e+07	1.20 y	42:02	0.73	49.5
Hexa	PCB-166	2.51e+07	1.19 y	42:27	0.93	49.1
Hexa	PCB-159	2.23e+07	1.22 y	42:45	0.99	41.0
Hexa	PCB-128/162	4.21e+07	1.22 y	43:01	0.84	91.8
Hexa	PCB-167	2.66e+07	1.21 y	43:22	0.97	50.3
Hexa	PCB-156	2.70e+07	1.21 y	44:32	1.04	49.8
Hexa	PCB-157	2.21e+07	1.19 y	44:47	0.96	43.1
Hexa	PCB-169	2.43e+07	1.21 y	46:45	0.96	47.5
Hepta	PCB-188	2.51e+07	1.04 y	39:48	1.47	44.0
Hepta	PCB-184	2.49e+07	1.04 y	40:13	1.48	43.2
Hepta	PCB-179	2.42e+07	1.05 y	40:54	1.38	45.2
Hepta	PCB-176	2.70e+07	1.05 y	41:20	1.34	51.9
Hepta	PCB-186	2.23e+07	1.06 y	41:52	1.38	41.8
Hepta	PCB-178	1.72e+07	1.06 y	42:20	0.99	44.7
Hepta	PCB-175	1.70e+07	1.04 y	42:39	0.98	44.8
Hepta	PCB-182/187	4.10e+07	1.05 y	42:49	1.16	91.6
Hepta	PCB-183	2.06e+07	1.02 y	43:05	1.12	47.8
Hepta	PCB-185	1.97e+07	1.06 y	43:41	1.38	52.0
Hepta	PCB-174	1.79e+07	1.15 y	44:01	1.46	44.4
Hepta	PCB-181	1.95e+07	0.96 y	44:07	1.42	49.8
Hepta	PCB-177	1.70e+07	1.04 y	44:16	1.35	45.9
Hepta	PCB-171	1.74e+07	1.05 y	44:32	1.45	43.7
Hepta	PCB-173	1.52e+07	1.04 y	44:55	1.29	42.8
Hepta	PCB-172	1.61e+07	1.05 y	45:19	1.30	44.9

RL: MONO, TRI: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____

Integrations by Analyst: _____

Date: 9-30-03

Client ID: PCB 209 SSS 030711A Filename: 030929E1 S:7 Acq:29-SEP-03 18:08:16 ConCal: ST030929E1-3
Lab ID: ST030929E1-6 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA	RT	RRF	Conc
Hepta	PCB-192	1.99e+07	1.05 y	45:31	1.70	42.6
Hepta	PCB-180	1.91e+07	1.05 y	45:41	1.50	46.2
Hepta	PCB-193	2.23e+07	1.06 y	45:53	1.94	41.8
Hepta	PCB-191	2.12e+07	1.06 y	46:07	1.79	42.9
Hepta	PCB-170	1.57e+07	1.05 y	47:04	1.54	43.3
Hepta	PCB-190	2.03e+07	1.07 y	47:14	2.02	42.7
Hepta	PCB-189	2.52e+07	1.04 y	48:29	1.42	48.9
Octa	PCB-202	1.69e+07	0.87 y	44:42	1.00	38.5
Octa	PCB-201	1.84e+07	0.90 y	45:09	0.99	42.5
Octa	PCB-204	2.00e+07	0.87 y	45:17	1.02	44.8
Octa	PCB-197	1.99e+07	0.87 y	45:34	1.04	43.8
Octa	PCB-200	1.83e+07	0.88 y	46:22	0.98	42.7
Octa	PCB-198	1.16e+07	0.95 y	47:37	0.68	39.0
Octa	PCB-199	1.40e+07	0.84 y	47:43	0.74	43.1
Octa	PCB-196/203	2.91e+07	0.87 y	47:58	0.79	83.5
Octa	PCB-195	1.88e+07	0.90 y	49:04	1.18	46.3
Octa	PCB-194	2.02e+07	0.92 y	49:52	1.28	45.7
Octa	PCB-205	2.55e+07	0.91 y	50:07	1.67	44.2
Nona	PCB-208	1.71e+07	1.32 y	49:12	0.94	42.1
Nona	PCB-207	1.75e+07	1.34 y	49:29	0.84	48.7
Nona	PCB-206	1.22e+07	1.31 y	51:18	0.88	46.5
Deca	PCB-209	1.99e+07	1.20 y	52:30	1.11	43.4

Type	Name	Resp	RA	RT	RRF	Conc	
Tot F:1	Total Mono-PCB	1.22e+08	2.89 y	15:15	0.93	147	
Tot F:2	Total Di-PCB	5.58e+08	1.65 y	18:58	1.51	561	
Tot F:2	Total Tri-PCB	2.57e+08	1.04 y	22:47	0.99	368	
Tot F:3	Total Tri-PCB	7.39e+08	1.07 y	26:12	1.38	757	Sum:1120
Tot F:3	Total Tetra-PCB	1.12e+09	0.74 y	26:13	0.81	2050	
Tot F:3	Total Penta-PCB	8.52e+08	1.56 y	30:31	1.10	1880	
Tot F:4	Total Penta-PCB	1.61e+08	1.69 y	39:14	1.41	250	Sum:2130
Tot F:3	Total Hexa-PCB	2.75e+08	1.23 y	34:32	0 88	628	
Tot F:4	Total Hexa-PCB	5.78e+08	1.21 y	39:08	0.92	1270	Sum:1900
Tot F:4	Total Hepta-PCB	4.90e+08	1.04 y	39:48	1.37	1100	
Tot F:4	Total Octa-PCB	1.48e+08	0.87 y	44:42	0.89	378	
Tot F:5	Total Octa-PCB	6.62e+07	0.90 y	49:04	1.38	140	Sum:518
Tot F:5	Total Nona-PCB	4.71e+07	1.32 y	49:12	0.89	138	
Tot F:5	Total Deca-PCB	1.99e+07	1.20 y	52:30	1.11	43.4	

RL: MONO, TRI: _____ Integrations by

RL: DI, TETRA - HEPTA: _____ Analyst: _____

RL: OCTA - DECA: _____ Date: 9-30-03

Client ID: PCB 209 SSS 030711A Filename: 030929E1 S:7 Acq:29-SEP-03 18:08:16 ConCal: ST030929E1-3
Lab ID: ST030929E1-6 GC Column ID: DB-1 ICal: PCBVG8-9-29-03-AIR wt/vol: 1.000 EndCAL: ST030929E1-7

Type	Name	Resp	RA		RT	RRF	Conc	Rec
Mono-IS	13C-PCB-1	8.22e+07	3.04	y	15:14	1.09	91.4	91.4
Mono-IS	13C-PCB-3	9.31e+07	3.06	y	17:42	1.24	90.6	90.6
Di-IS	13C-PCB-4	4.91e+07	1.59	y	18:56	0.59	101	101
Di-IS	13C-PCB-9	6.81e+07	1.64	y	20:36	0.90	91.5	91.5
Tri-IS	13C-PCB-19	5.11e+07	1.03	y	22:45	0.70	100	100
Tri-IS	13C-PCB-32	8.07e+07	1.06	y	25:27	1.18	94.2	94.2
Tri-IS	13C-PCB-28	7.52e+07	1.08	y	27:15	1.09	94.7	94.7
Tri-IS	13C-PCB-37	6.34e+07	1.09	y	30:48	0.93	93.8	93.8
Tetra-IS	13C-PCB-54	6.17e+07	0.80	y	26:12	1.15	84.4	84.4
Tetra-IS	13C-PCB-81	5.67e+07	0.79	y	36:21	0.98	91.1	91.1
Tetra-IS	13C-PCB-77	5.77e+07	0.77	y	36:53	1.01	89.9	89.9
Penta-IS	13C-PCB-104	4.88e+07	1.63	y	30:30	0.93	97.8	97.8
Penta-IS	13C-PCB-95	3.59e+07	1.60	y	33:23	0.73	92.5	92.5
Penta-IS	13C-PCB-101	3.69e+07	1.65	y	34:56	0.73	94.5	94.5
Penta-IS	13C-PCB-123	4.57e+07	1.63	y	38:27	0.87	97.7	97.7
Penta-IS	13C-PCB-118	4.69e+07	1.66	y	38:37	0.98	89.2	89.2
Penta-IS	13C-PCB-114	4.53e+07	1.60	y	39:13	1.13	84.3	84.3
Penta-IS	13C-PCB-105	4.73e+07	1.63	y	39:59	1.09	91.5	91.5
Penta-IS	13C-PCB-126	4.29e+07	1.56	y	42:02	1.06	85.4	85.4
Hexa-IS	13C-PCB-155	4.96e+07	1.27	y	34:31	0.97	95.4	95.4
Hexa-IS	13C-PCB-153	4.68e+07	1.27	y	40:08	1.12	87.8	87.8
Hexa-IS	13C-PCB-167	5.47e+07	1.26	y	43:21	1.28	89.4	89.4
Hexa-IS	13C-PCB-156	5.20e+07	1.25	y	44:31	1.24	87.7	87.7
Hexa-IS	13C-PCB-157	5.33e+07	1.27	y	44:46	1.33	84.2	84.2
Hexa-IS	13C-PCB-169	5.33e+07	1.24	y	46:44	1.26	88.6	88.6
Hepta-IS	13C-PCB-188	3.88e+07	0.46	y	39:47	0.92	88.0	88.0
Hepta-IS	13C-PCB-180	2.75e+07	0.45	y	45:40	0.65	88.5	88.5
Hepta-IS	13C-PCB-170	2.36e+07	0.45	y	47:03	0.56	88.9	88.9
Hepta-IS	13C-PCB-189	3.63e+07	0.45	y	48:28	0.85	90.2	90.2
Octa-IS	13C-PCB-202	4.38e+07	0.88	y	44:41	1.02	90.6	90.6
Octa-IS	13C-PCB-194	3.44e+07	0.91	y	49:52	0.71	93.0	93.0
Nona-IS	13C-PCB-208	4.30e+07	0.79	y	49:11	0.94	88.1	88.1
Nona-IS	13C-PCB-206	2.99e+07	0.76	y	51:17	0.65	88.5	88.5
Deca-IS	13C-PCB-209	4.13e+07	1.21	y	52:30	0.97	81.6	81.6
Di-RS	13C-PCB-15	8.28e+07	1.58	y	24:22	1.00	100	-
Tri-RS	13C-PCB-31	7.26e+07	1.08	y	27:10	1.00	100	-
Tetra-RS	13C-PCB-60	6.37e+07	0.78	y	34:15	1.00	100	-
Penta-RS	13C-PCB-111	5.35e+07	1.61	y	36:31	1.00	100	-
Hexa-RS	13C-PCB-138	4.76e+07	1.26	y	41:33	1.00	100	-
Octa-RS	13C-PCB-205	5.22e+07	0.92	y	50:06	1.00	100	-

Type	Name	Resp	RA		RT	RRF	Conc	Rec
Tetra-PS	13C-PCB-52	4.77e+07	0.80	y	29:28	0.82	103	103
Hepta-PS	13C-PCB-178	2.56e+07	0.45	y	42:19	0.90	103	103

Integrations by Analyst: [illegible]

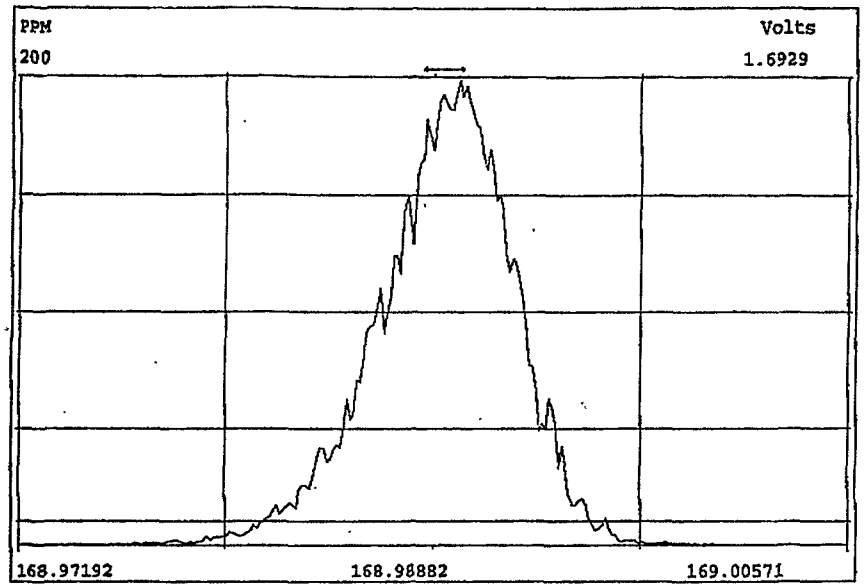
Date: 9.30.03

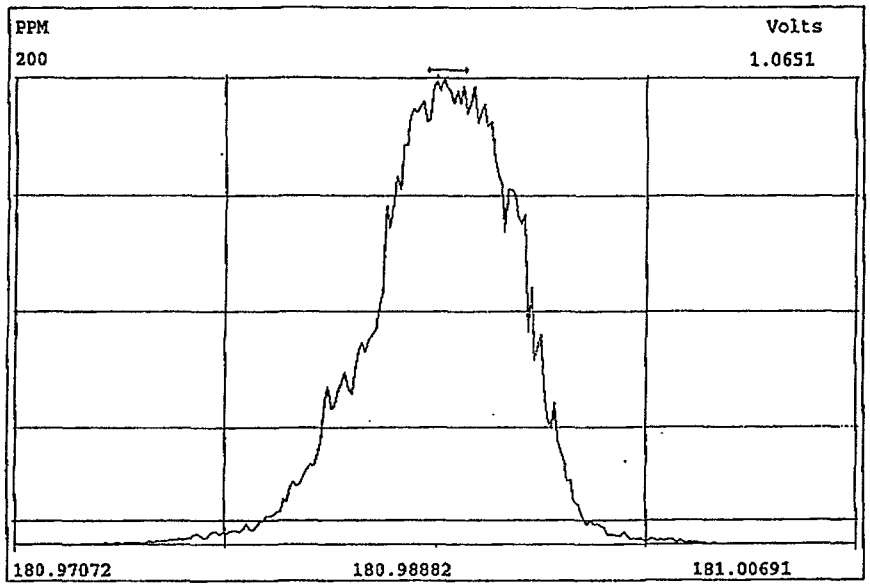
Alta Analytical Laboratory - Injection Log Run file: 030929E1 Instrument ID: [illegible]-8 GC Column ID: DB-1

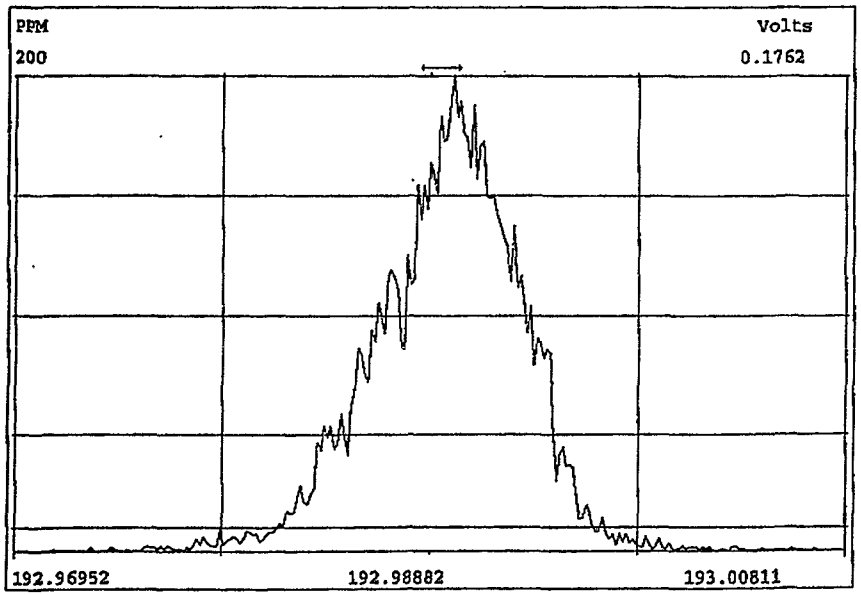
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
030929E1	1	ST030929E1-1 PCB 209 CS1 030916E	RAS	29-SEP-03	12:06:27	ST030929E1-3	ST030929E1-7
030929E1	2	ST030929E1-2 PCB 209 CS2 030916F	RAS	29-SEP-03	13:06:47	ST030929E1-3	ST030929E1-7
030929E1	3	ST030929E1-3 PCB 209 CS3 030916G	RAS	29-SEP-03	14:07:02	ST030929E1-3	ST030929E1-7
030929E1	4	ST030929E1-4 PCB 209 CS4 030916H	RAS	29-SEP-03	15:07:17	ST030929E1-3	ST030929E1-7
030929E1	5	ST030929E1-5 PCB 209 CS5 030916I	RAS	29-SEP-03	16:07:37	ST030929E1-3	ST030929E1-7
030929E1	6	SOLVENT BLANK	RAS	29-SEP-03	17:07:56	ST030929E1-3	ST030929E1-7
030929E1	7	ST030929E1-6 PCB 209 SSS 030711A	RAS	29-SEP-03	18:08:16	ST030929E1-3	ST030929E1-7
030929E1	8	SOLVENT BLANK	RAS	29-SEP-03	19:08:36	ST030929E1-3	ST030929E1-7
030929E1	9	0_5210_OPR001	RAS	29-SEP-03	20:08:57	ST030929E1-3	ST030929E1-7
030929E1	10	0_5215_OPR001	RAS	29-SEP-03	21:09:17	ST030929E1-3	ST030929E1-7
030929E1	11	0_5210_MB001	RAS	29-SEP-03	22:09:36	ST030929E1-3	ST030929E1-7
030929E1	12	0_5215_MB001	RAS	29-SEP-03	23:09:56	ST030929E1-3	ST030929E1-7
030929E1	13	24124_5210_001 DI EFFLUENT 0.250L	RAS	30-SEP-03	00:10:17	ST030929E1-3	ST030929E1-7
030929E1	14	QC030929E1-1 OLD IS - NEW RS	RAS	30-SEP-03	01:10:35	ST030929E1-3	ST030929E1-7
030929E1	15	SOLVENT BLANK	RAS	30-SEP-03	02:10:55	ST030929E1-3	ST030929E1-7
030929E1	16	ST030929E1-7 PCB 209 CS3 030916G	RAS	30-SEP-03	03:11:14	ST030929E1-3	ST030929E1-7

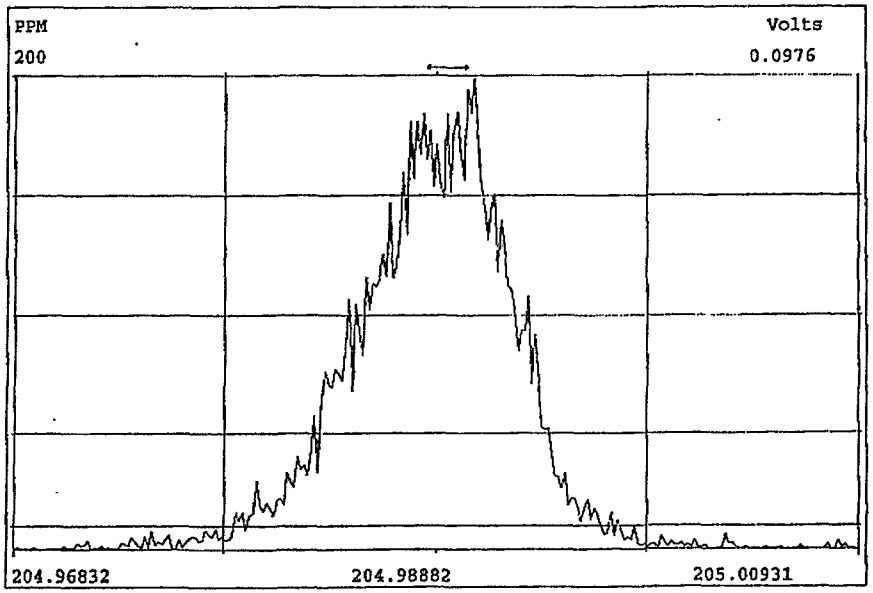
Peak Locate Examination:29-SEP-2003:11:59 File:030929E1

Experiment:PCB_DB1 Function:1 Reference:PFK



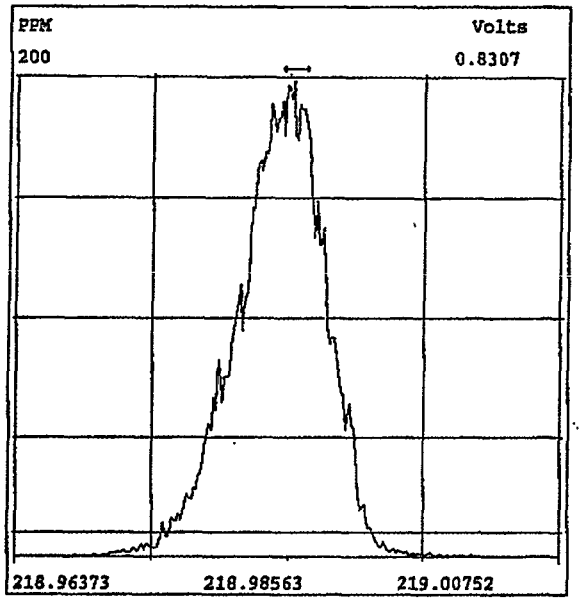


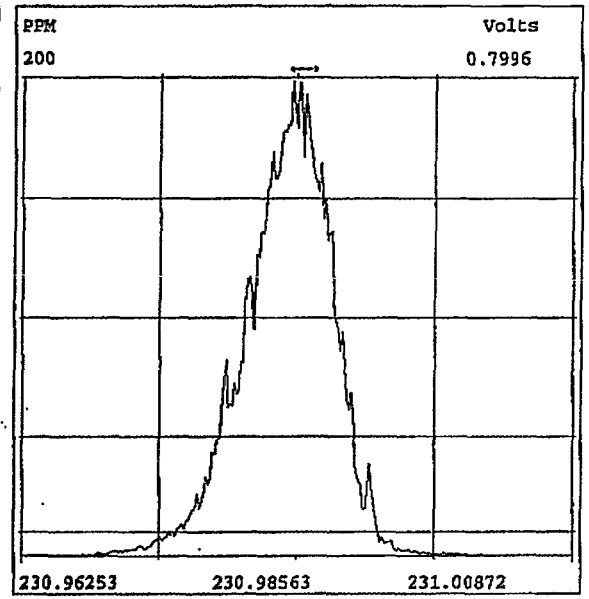


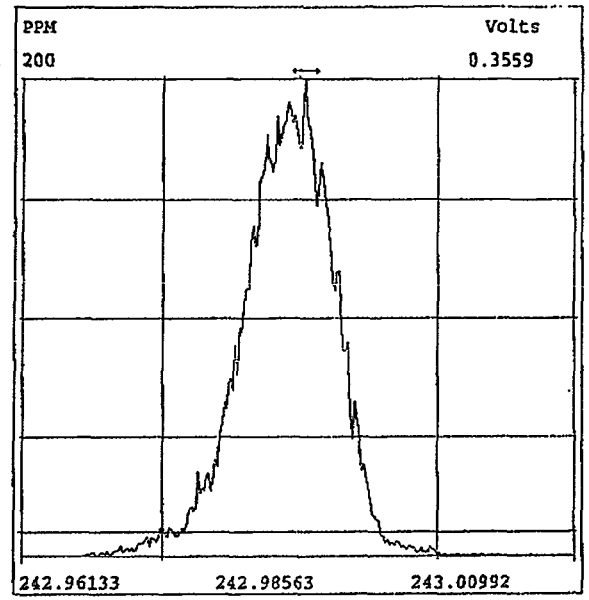


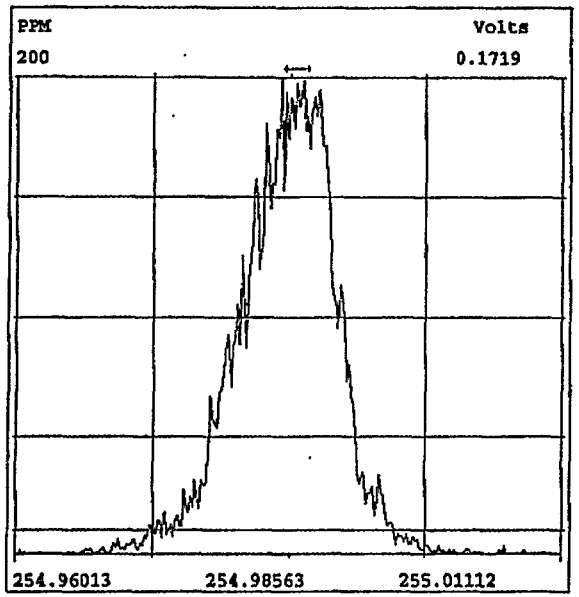
Peak Locate Examination:29-SEP-2003:11:59 File:030929E1

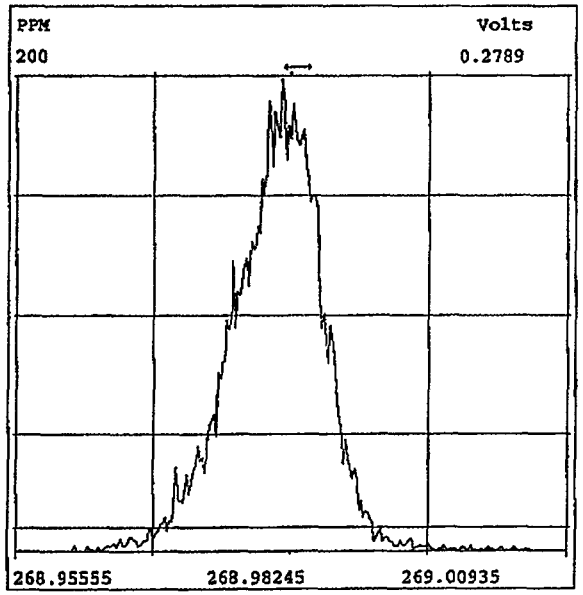
Experiment:PCB_DB1 Function:2 Reference:PFK

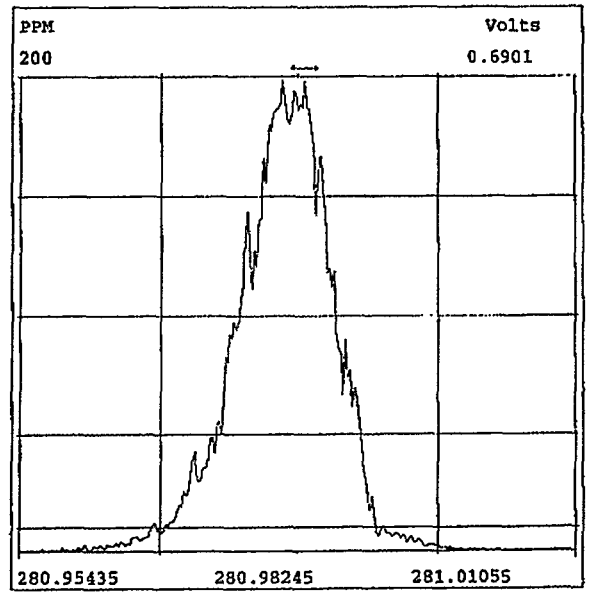






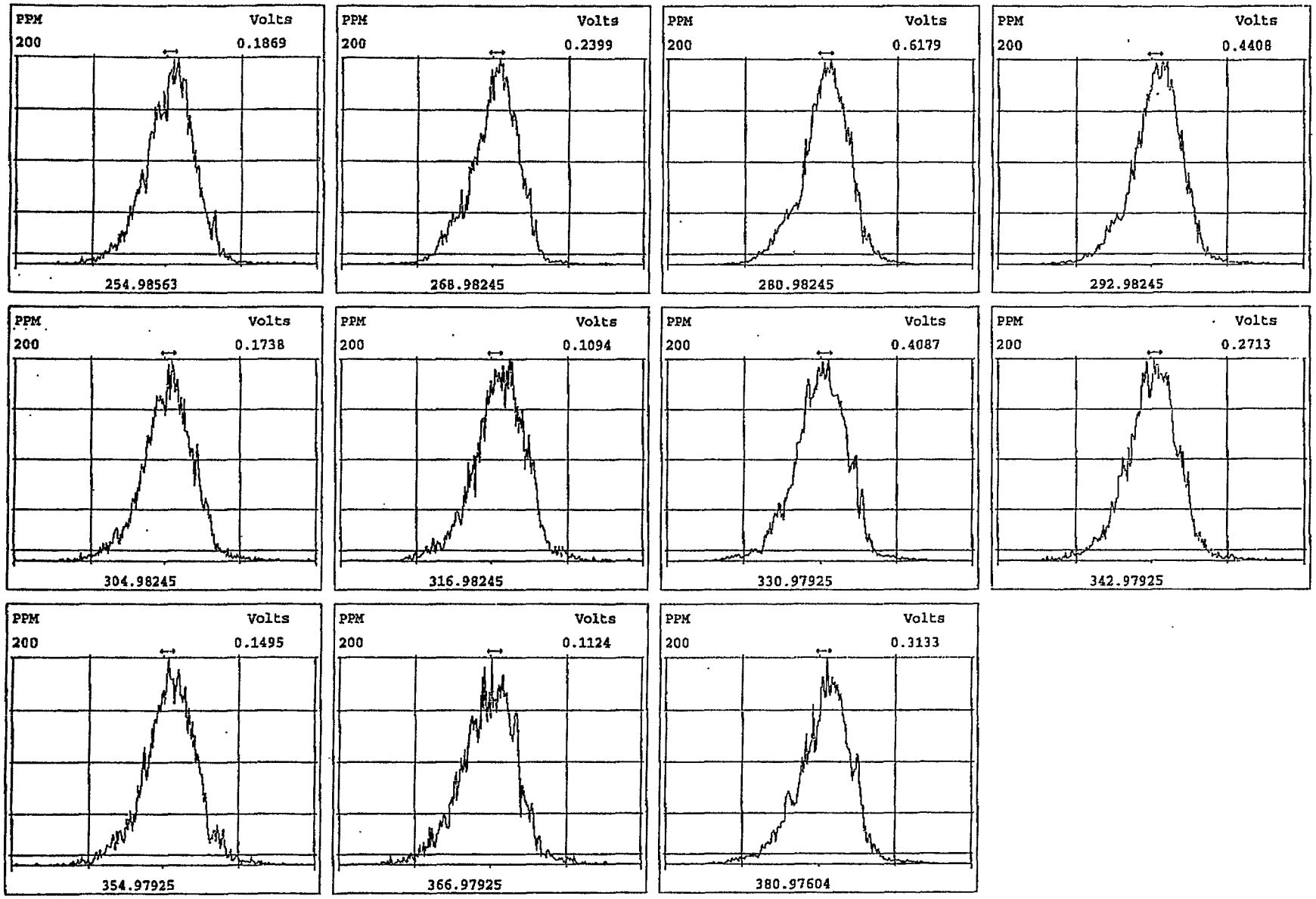






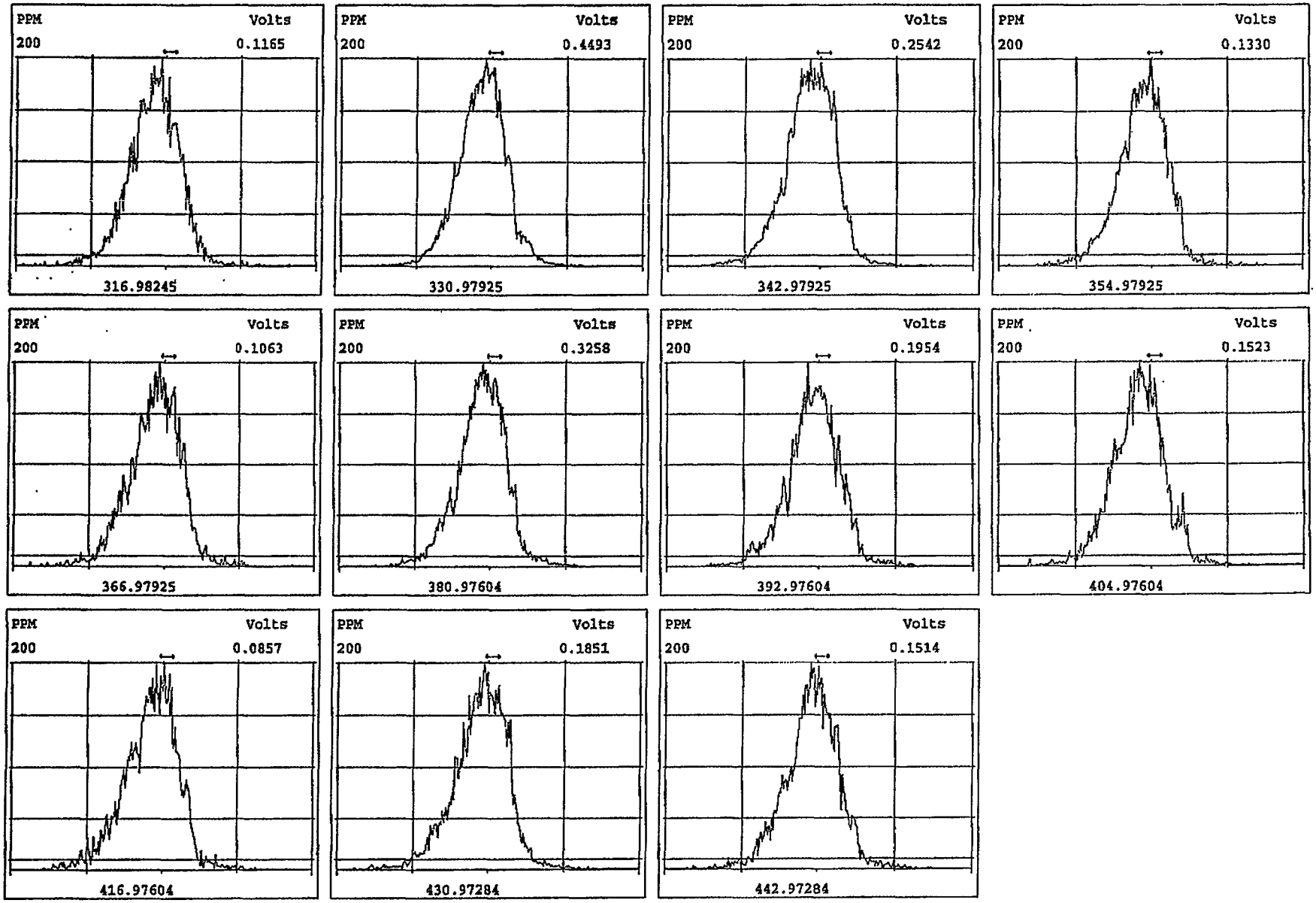
Peak Locate Examination:29-SEP-2003:12:00 File:030929E1

Experiment:PCB_DB1 Function:3 Reference:PFK



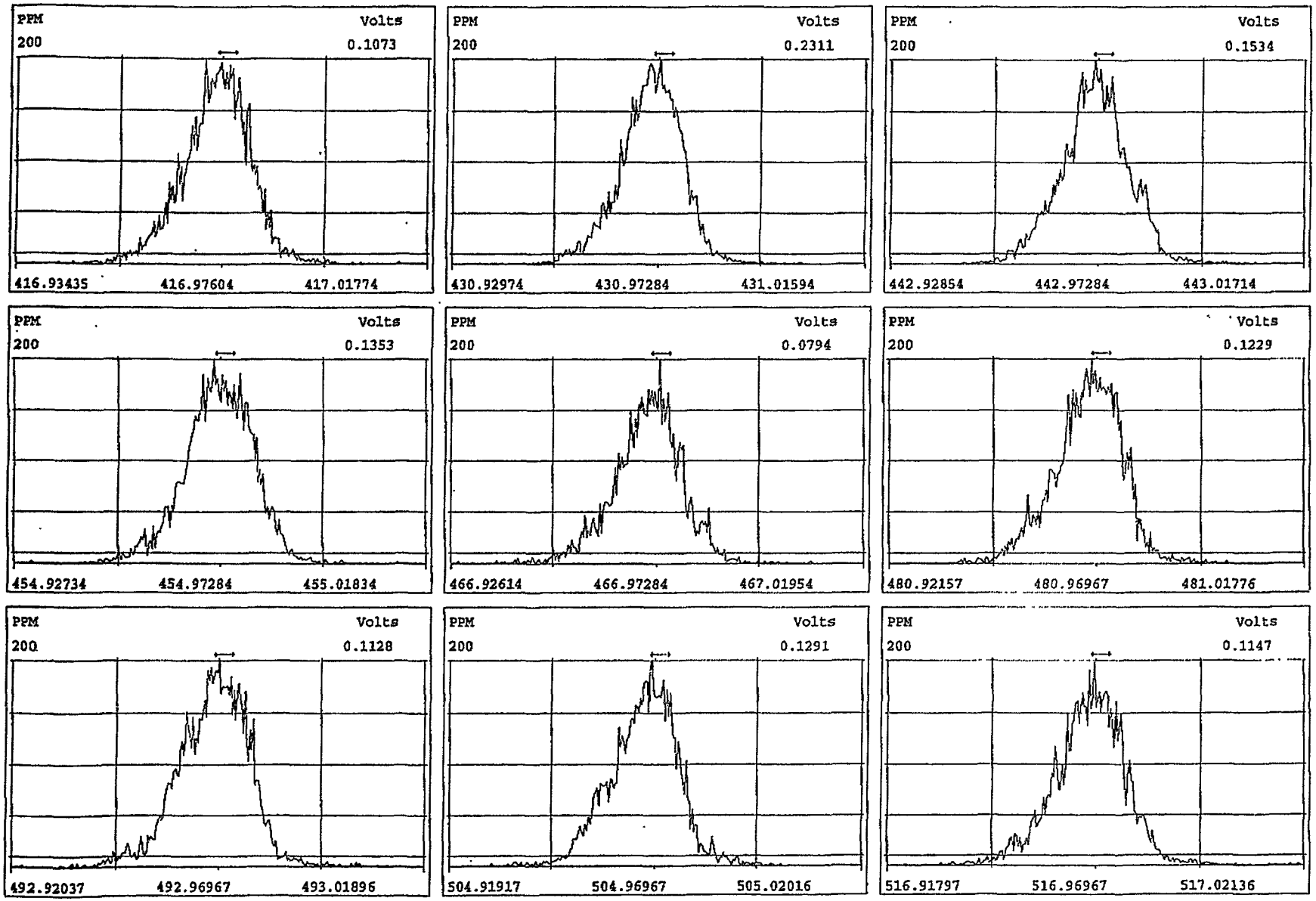
Peak Locate Examination:29-SEP-2003:12:00 File:030929E1

Experiment:PCB_DB1 Function:4 Reference:PFK



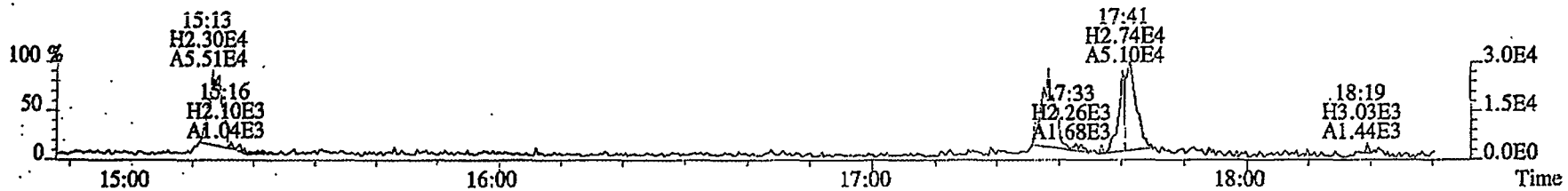
Peak Locate Examination:29-SEP-2003:12:01 File:030929E1

Experiment:PCB_DB1 Function:5 Reference:PFK

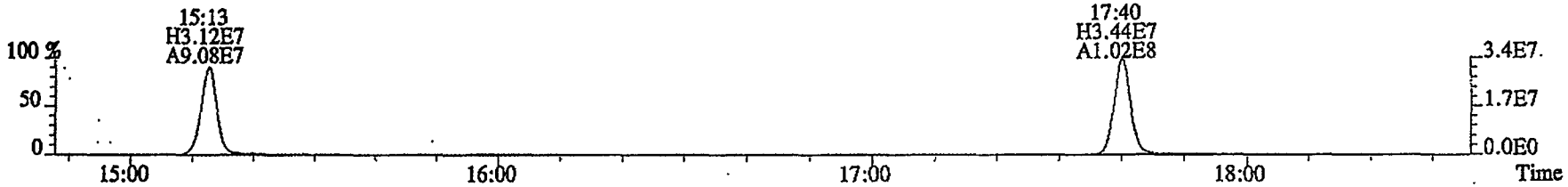


File:030929E1 #1-728 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
188.0393 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3880.0,0.00%,F,F)

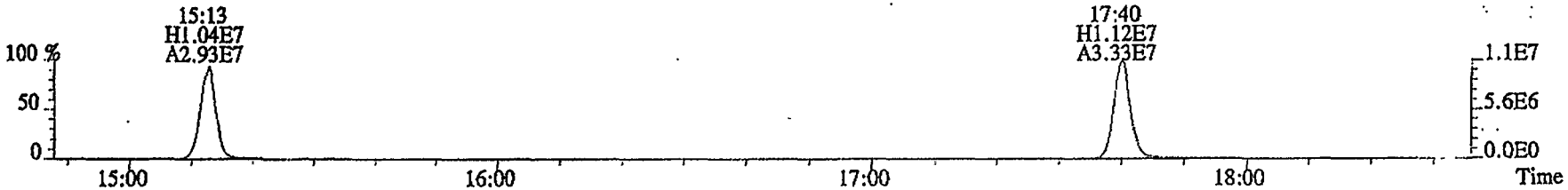
190.0363 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2348.0,0.00%,F,F)



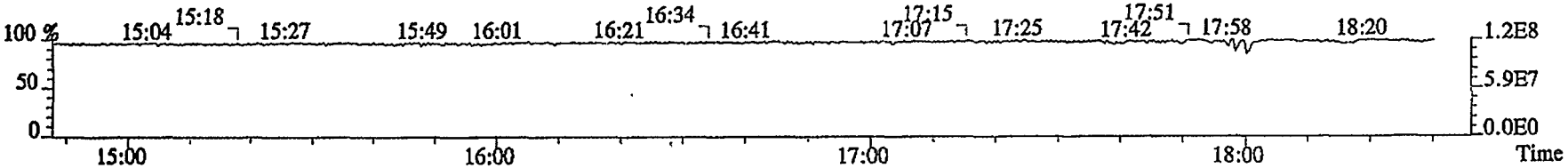
200.0795 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2732.0,0.00%,F,F)



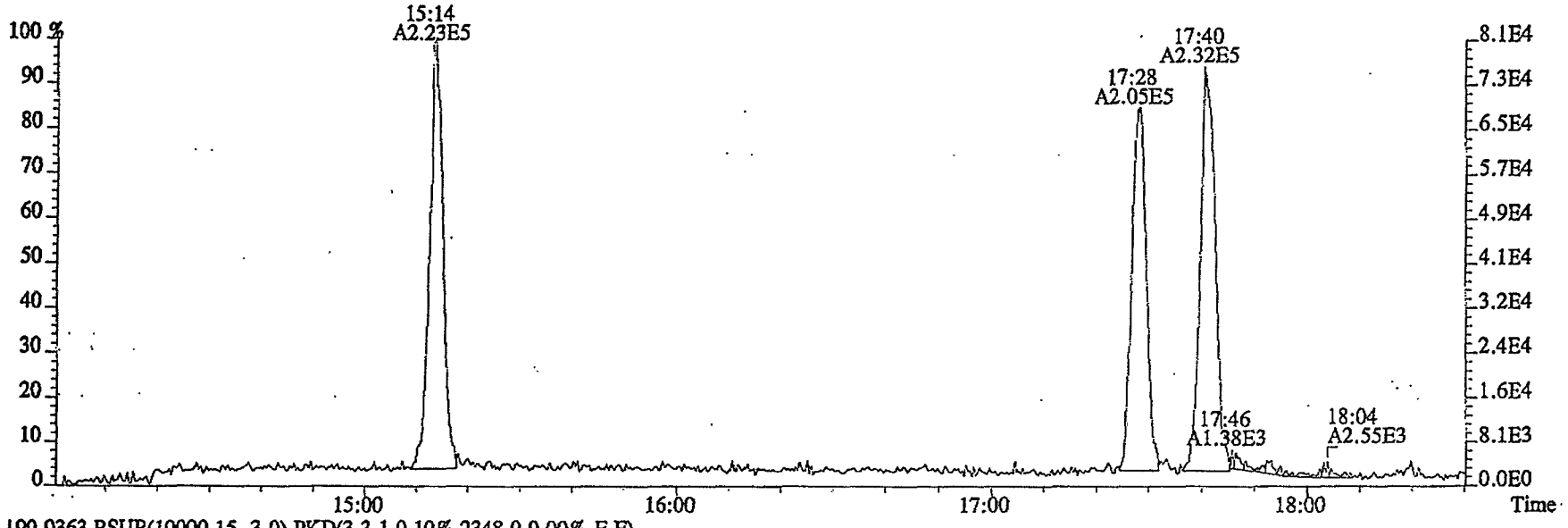
202.0766 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16048.0,0.00%,F,F)



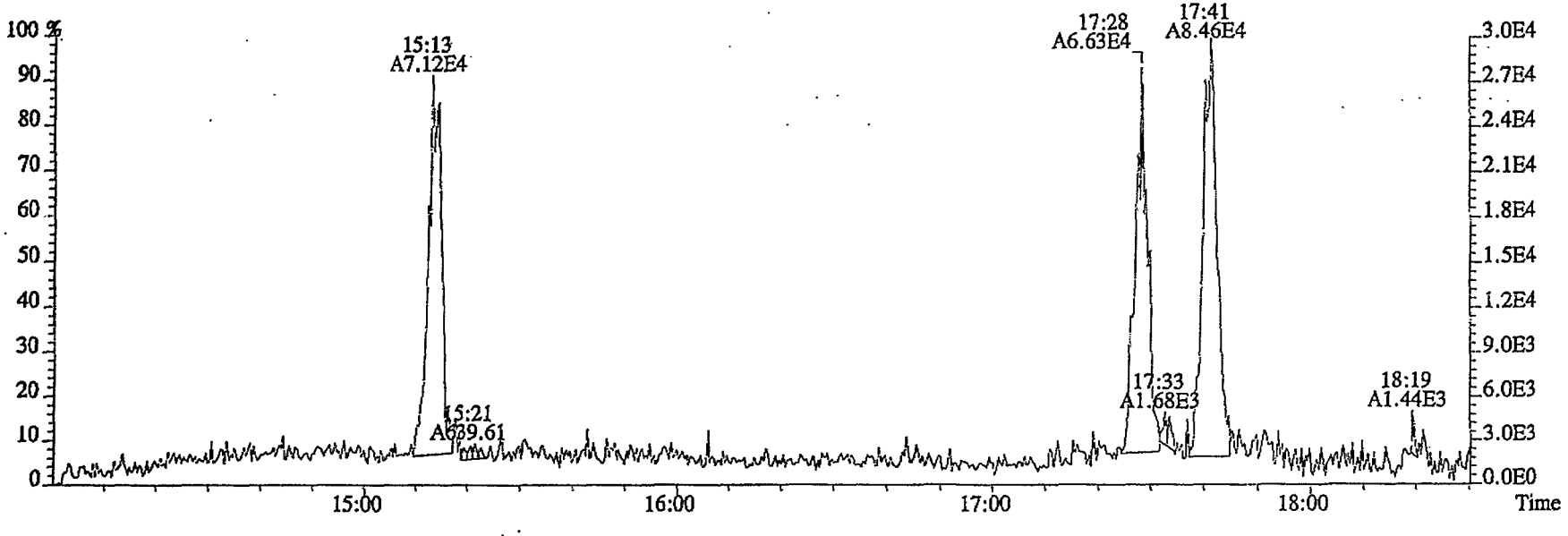
180.9880



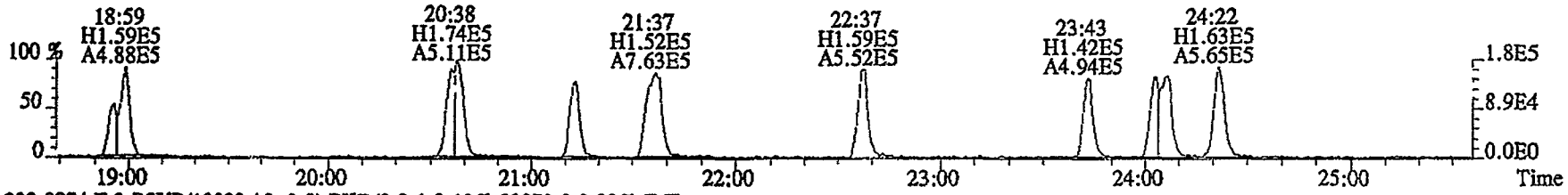
File:030929E1 #1-728 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
188.0393 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3880.0,0.00%,F,F)



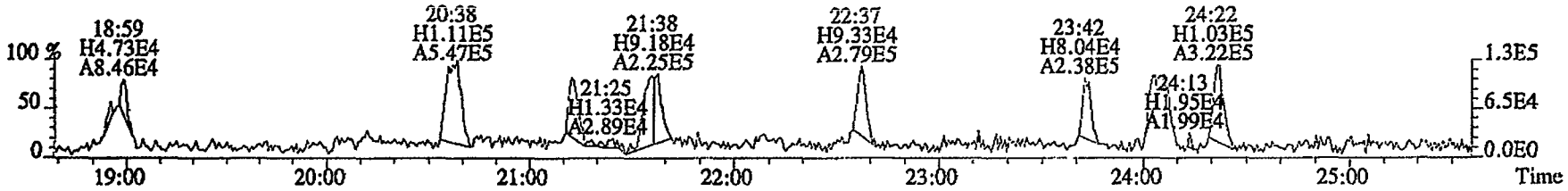
190.0363 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2348.0,0.00%,F,F)



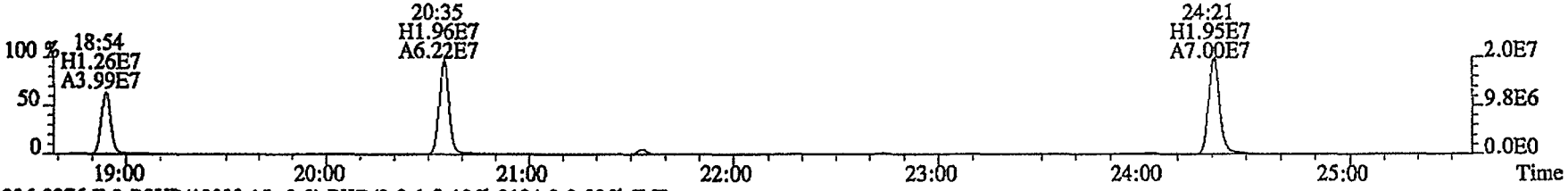
File:030929E1 #1-678 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2644.0,0.00%,F,F)



223.9974 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22072.0,0.00%,F,F)

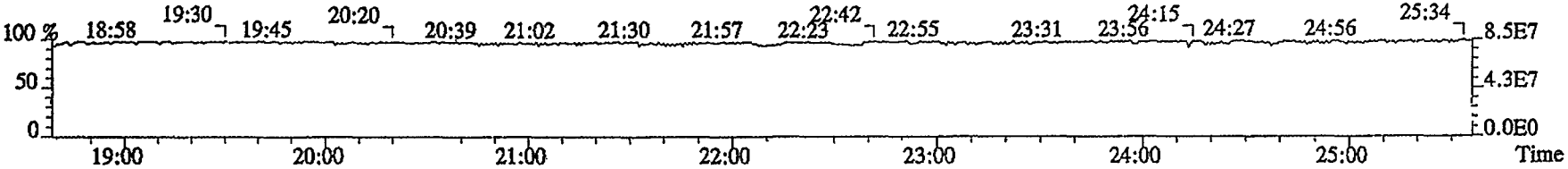


234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1784.0,0.00%,F,F)

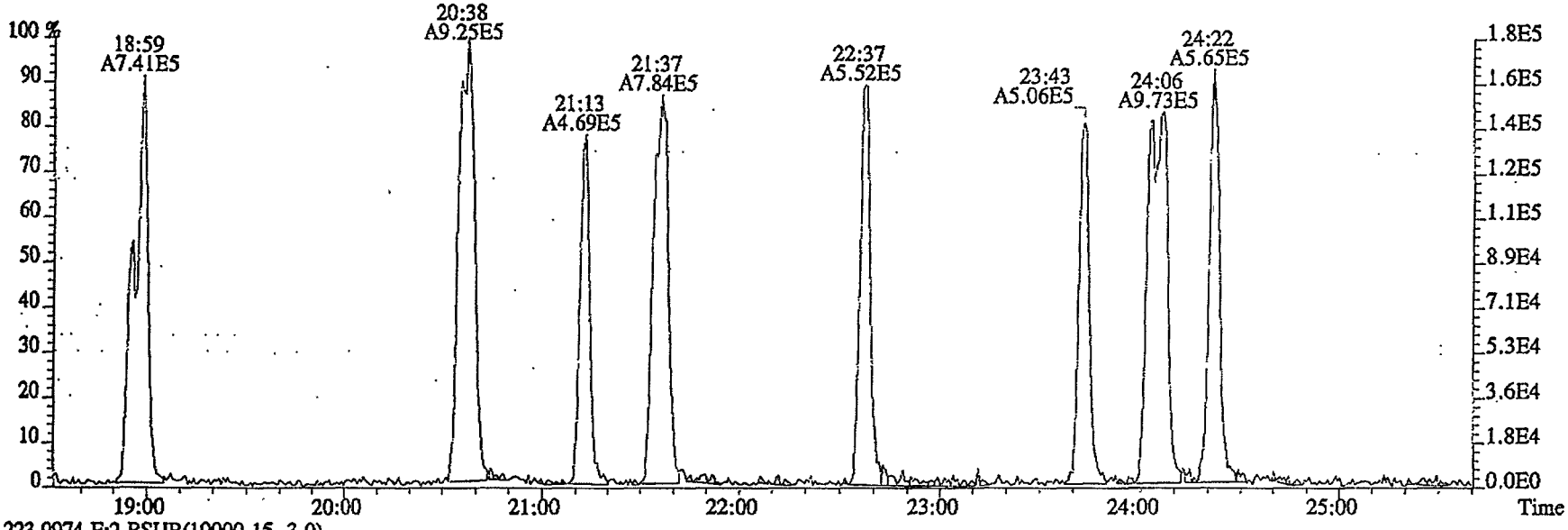


236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2124.0,0.00%,F,F)

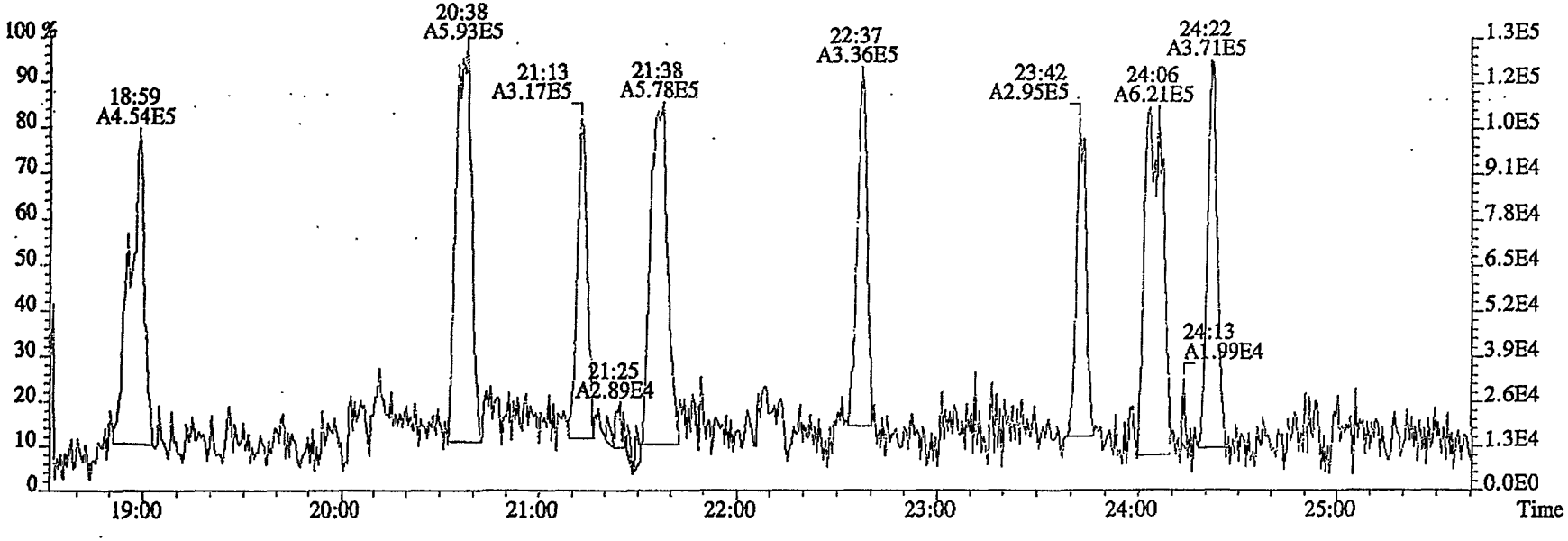
230.9856 F:2



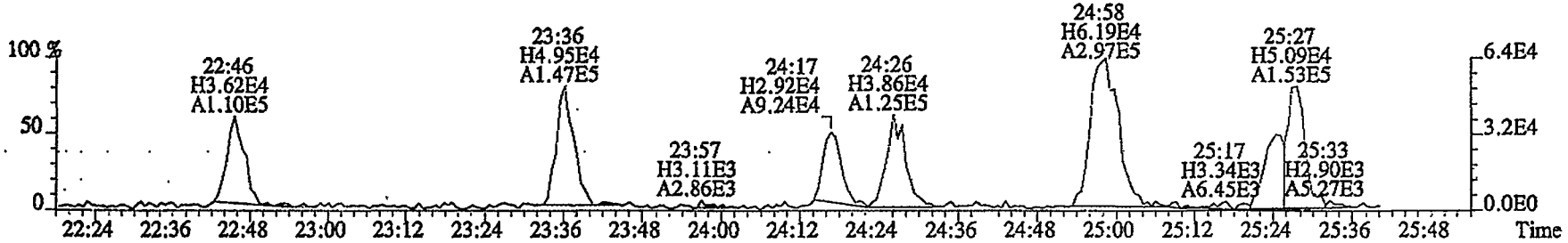
File:030929E1 #1-678 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0)



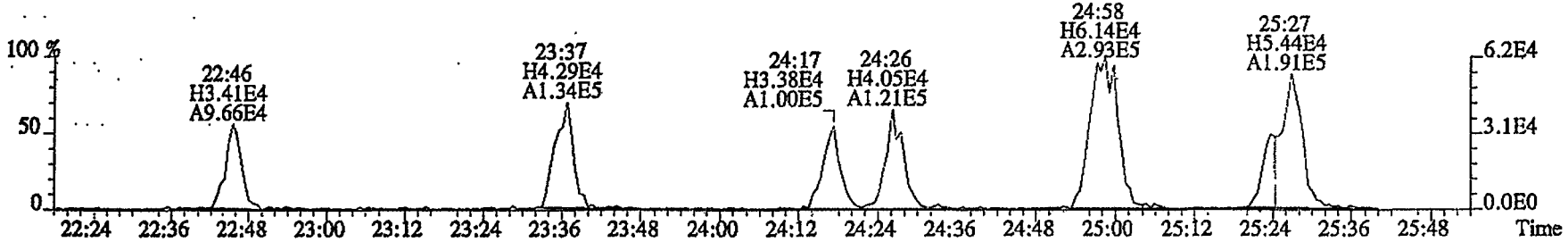
223.9974 F:2 BSUB(10000,15,-3.0)



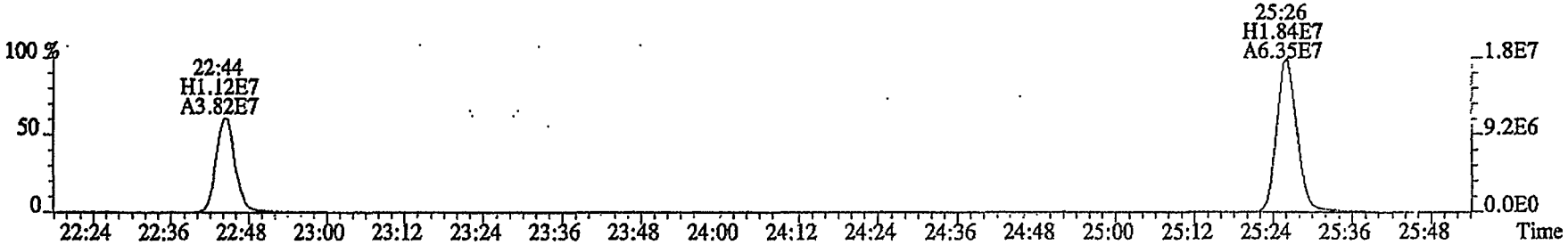
File:030929E1 #1-678 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2504.0,0.00%,F,F)



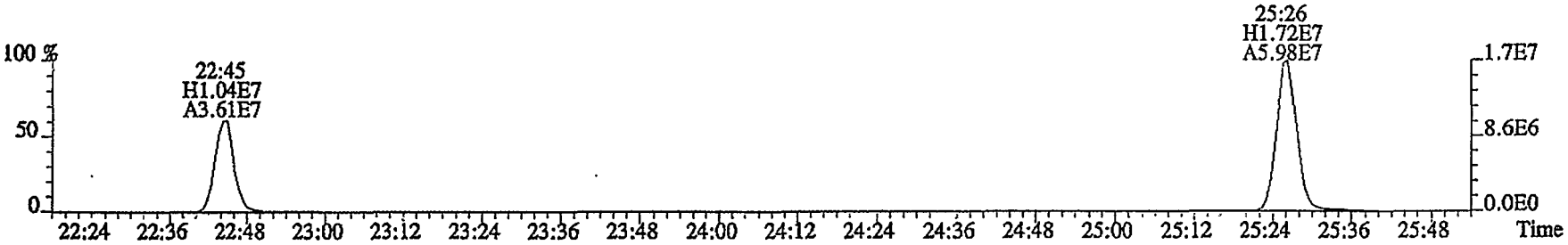
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,536.0,0.00%,F,F)



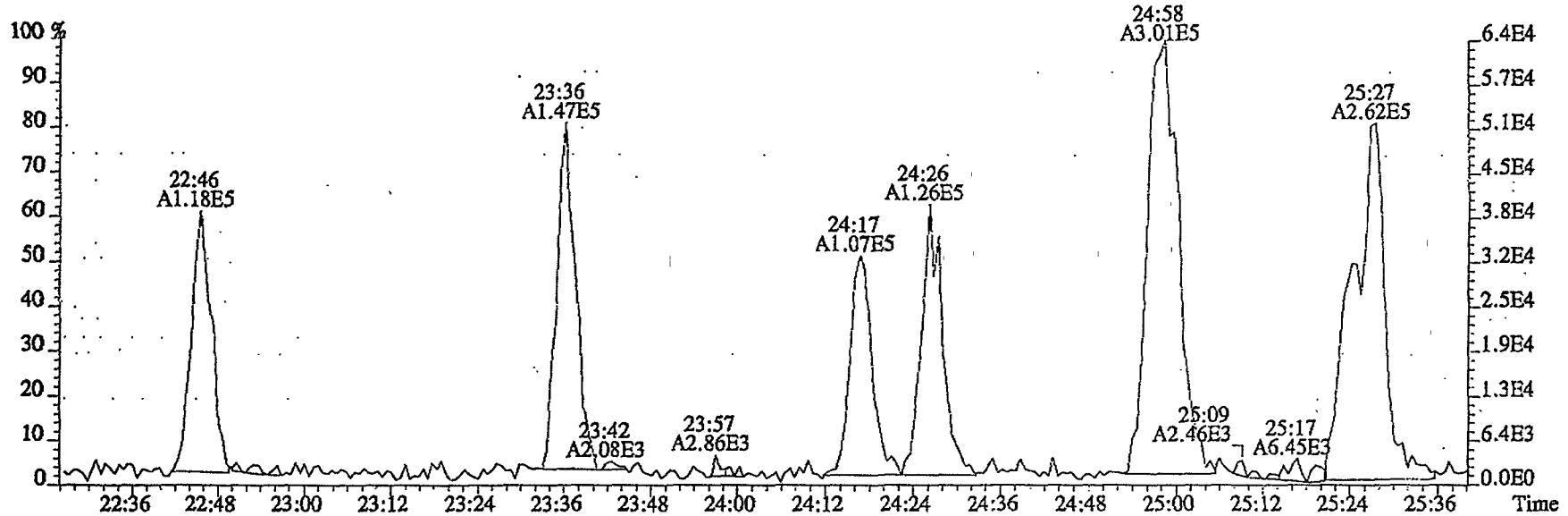
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,30640.0,0.00%,F,F)



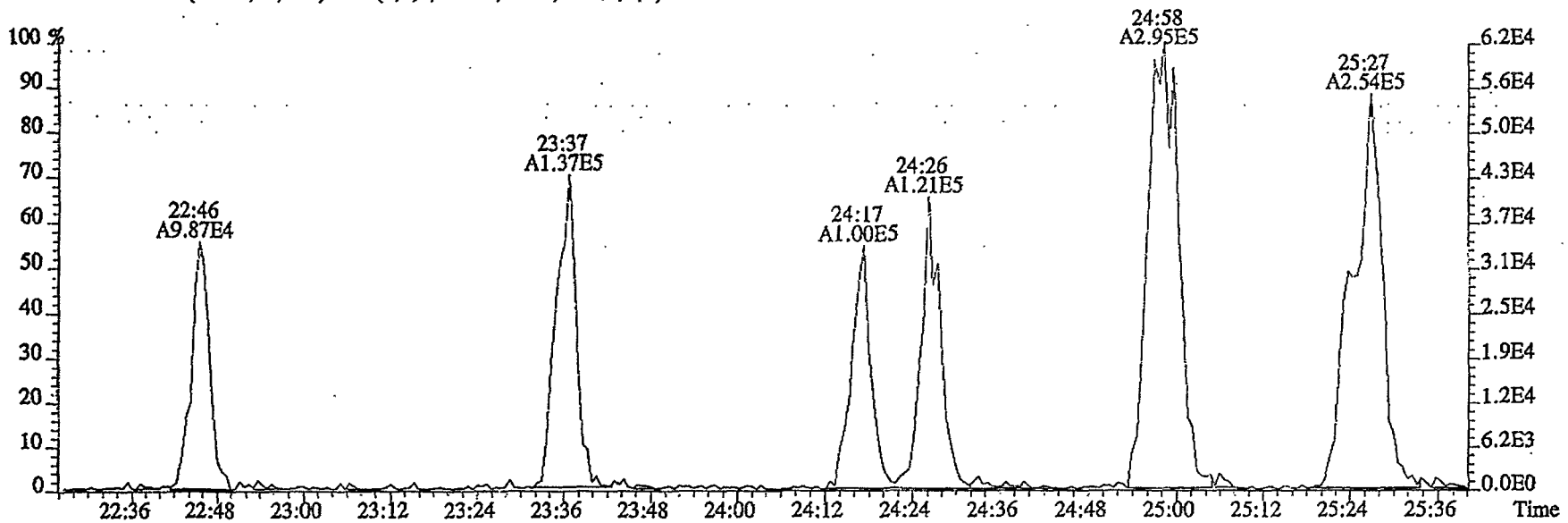
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17864.0,0.00%,F,F)



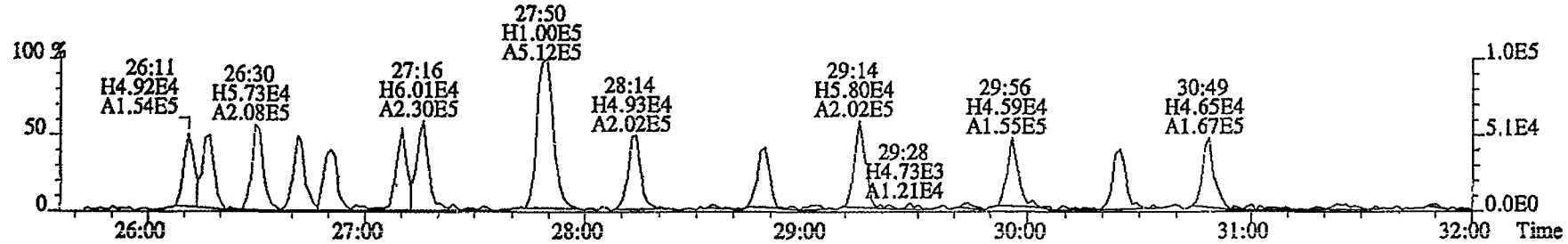
File:030929E1 #1-678 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2504.0,0.00%,F,F)



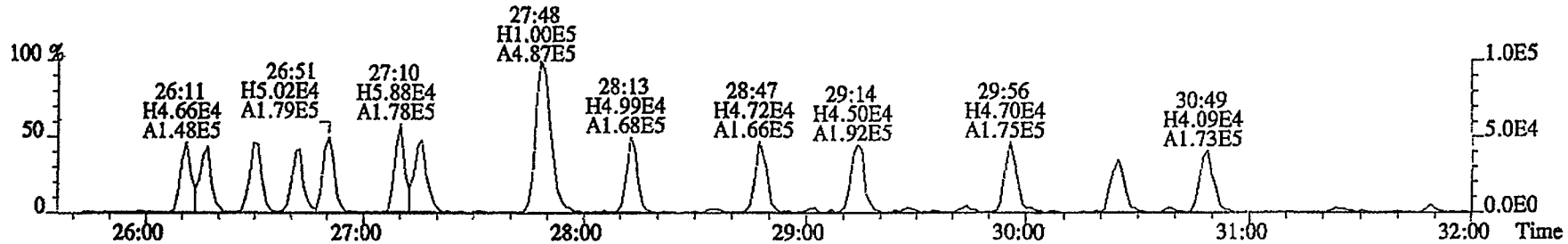
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,536.0,0.00%,F,F)



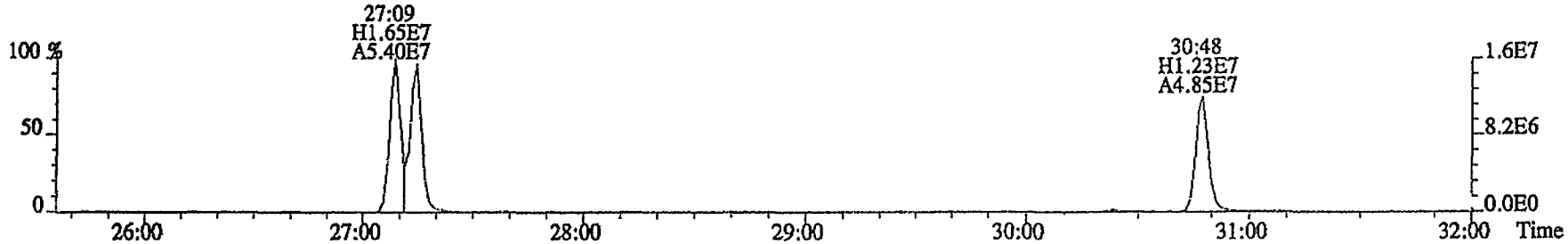
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
255.9613 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2448.0,0.00%,F,F)



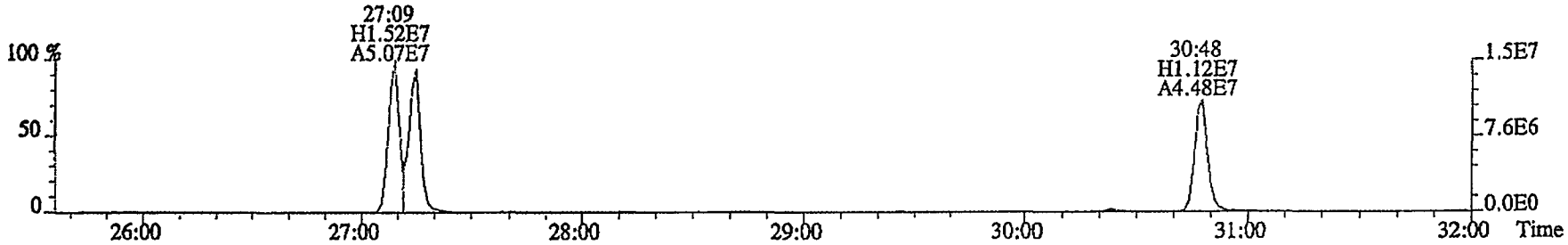
257.9584 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,468.0,0.00%,F,F)



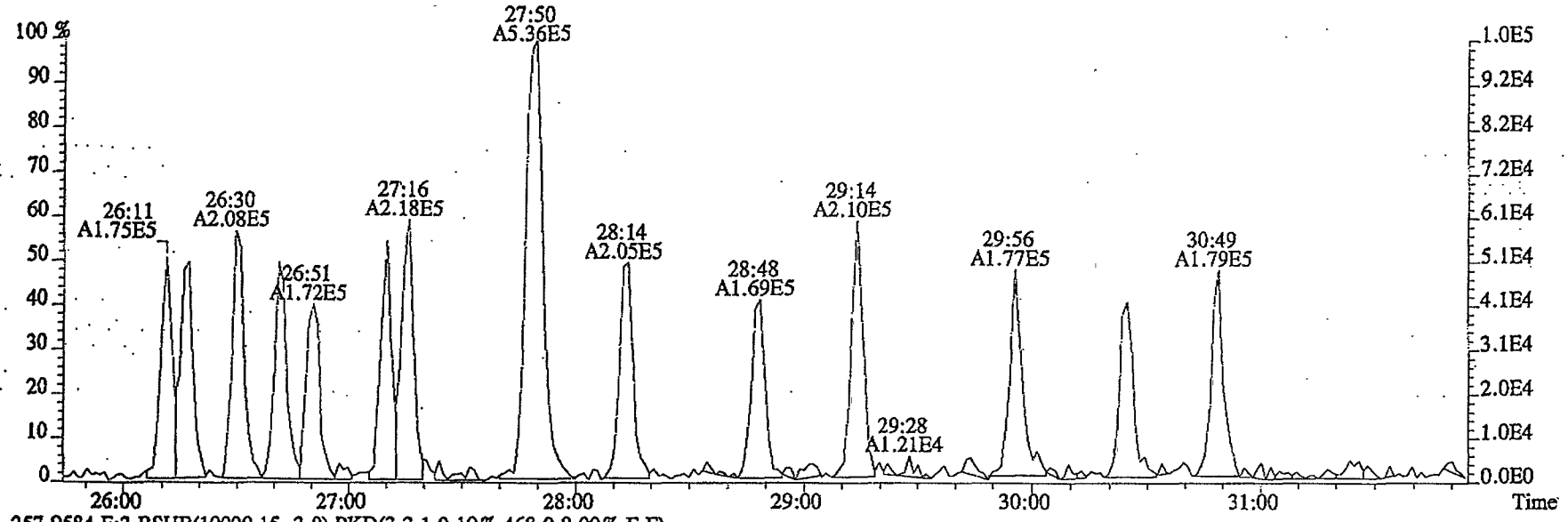
268.0016 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,30788.0,0.00%,F,F)



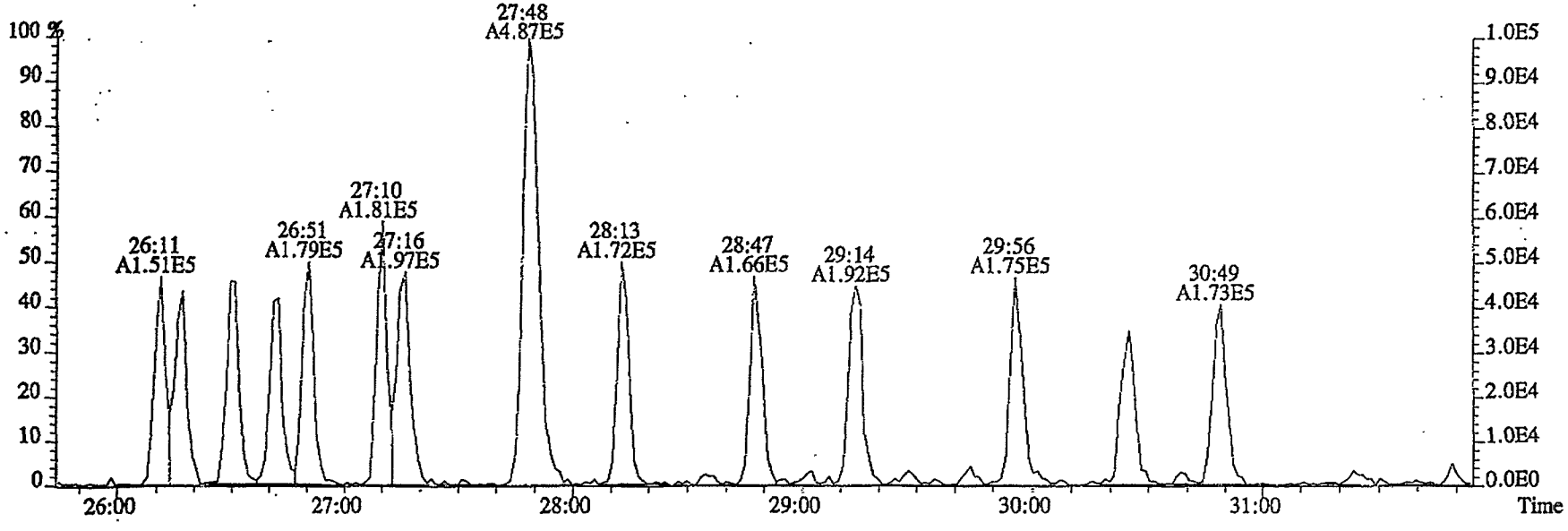
269.9986 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,15208.0,0.00%,F,F)



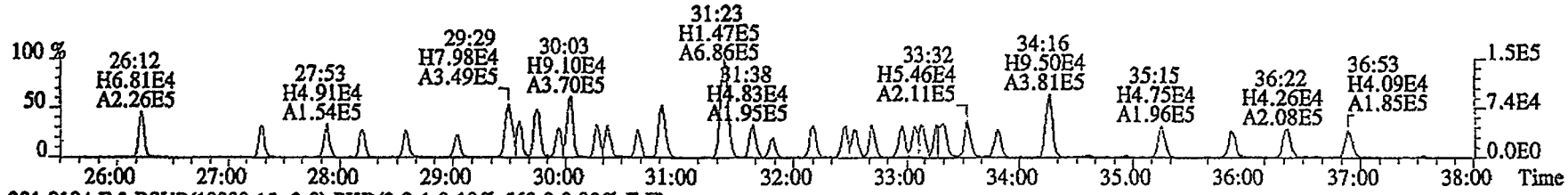
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
255.9613 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2448.0,0.00%,F,F)



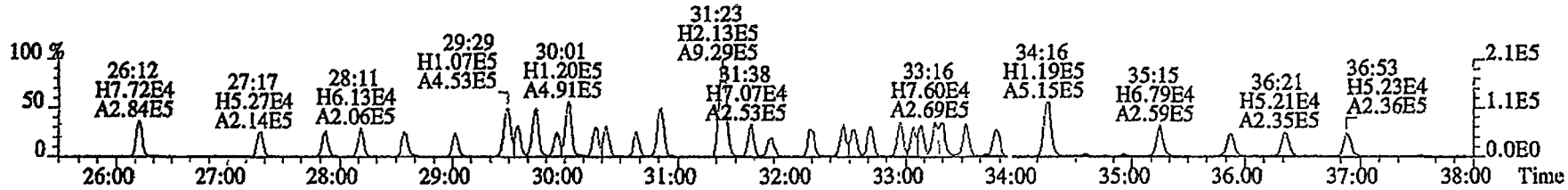
257.9584 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,468.0,0.00%,F,F)



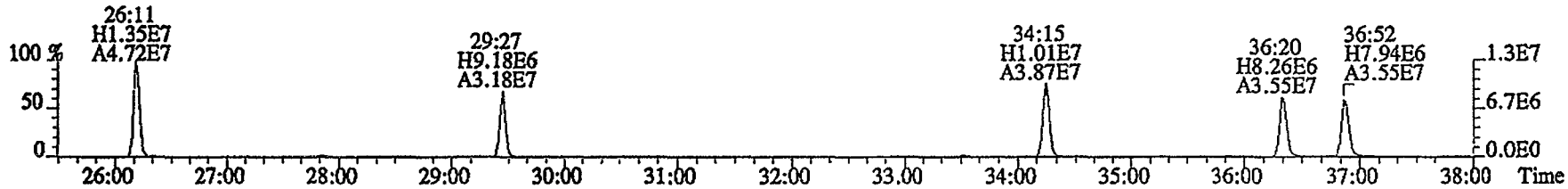
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



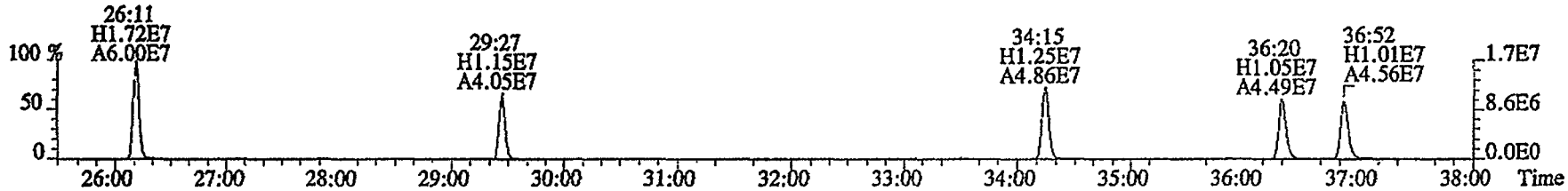
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,560.0,0.00%,F,F)



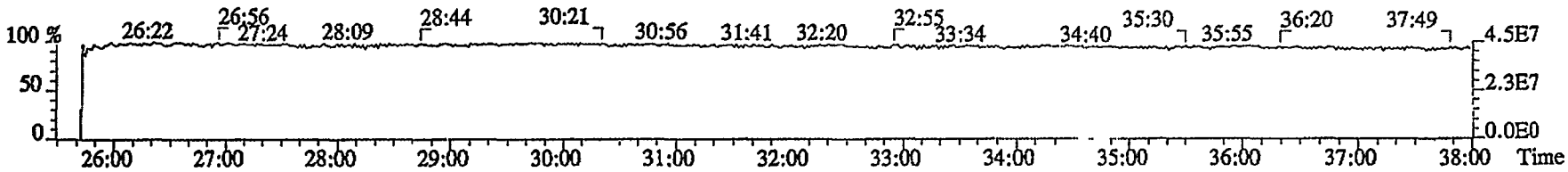
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2388.0,0.00%,F,F)



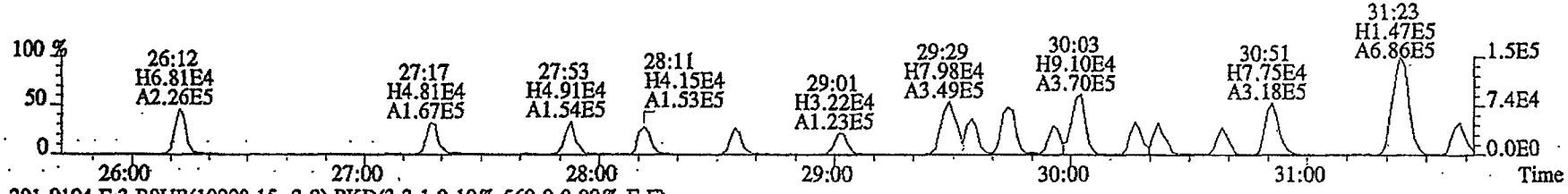
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



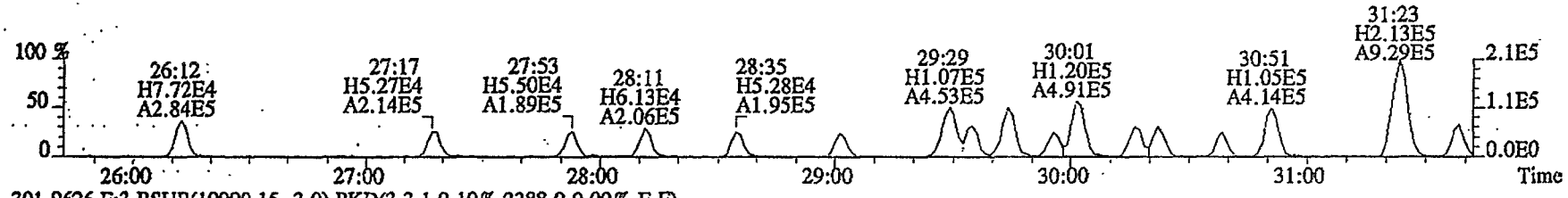
330.9792 F:3



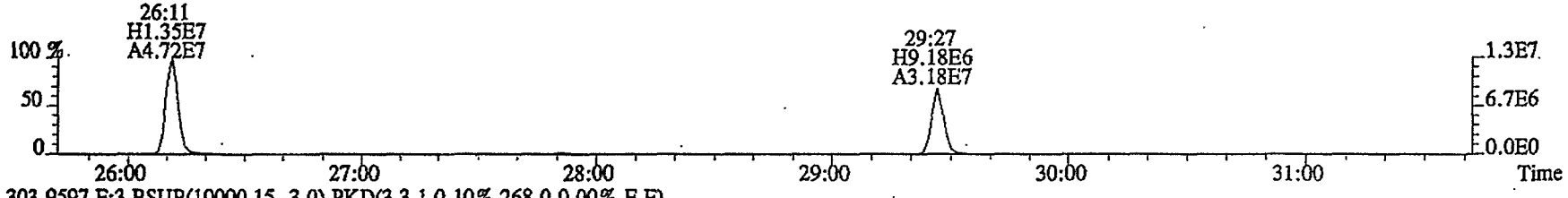
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



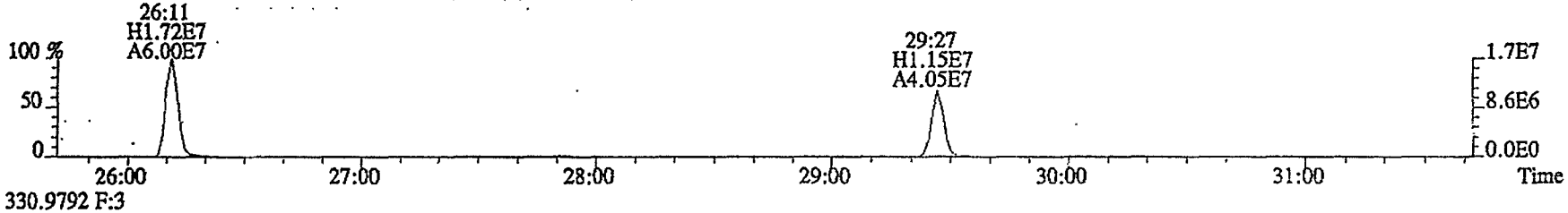
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,560.0,0.00%,F,F)



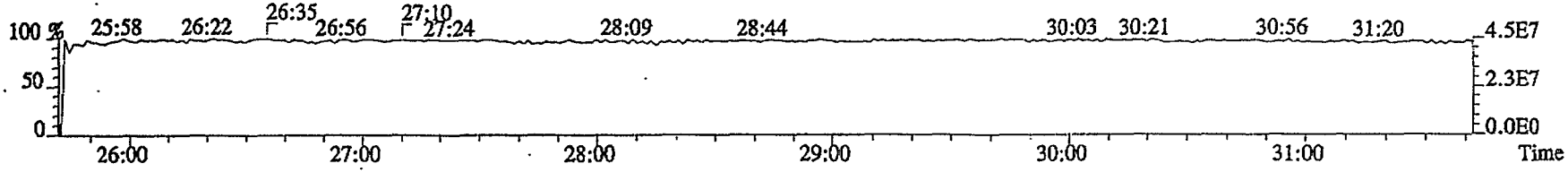
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2388.0,0.00%,F,F)



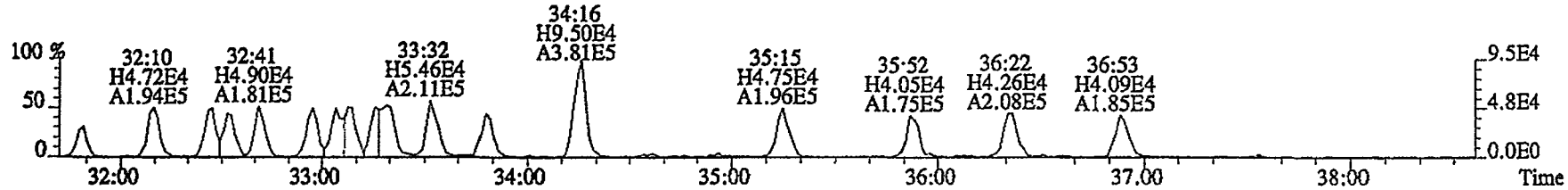
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



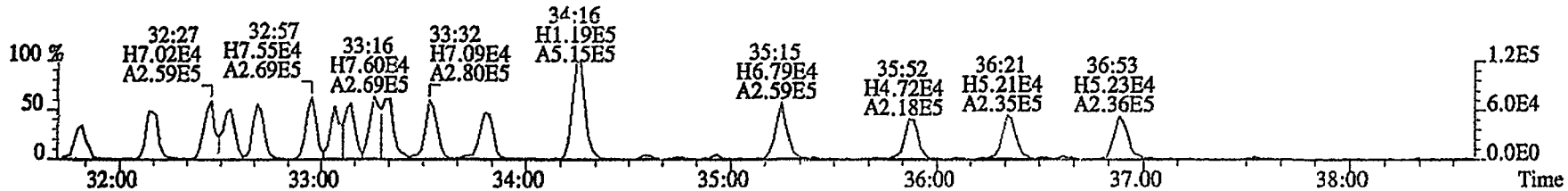
330.9792 F:3



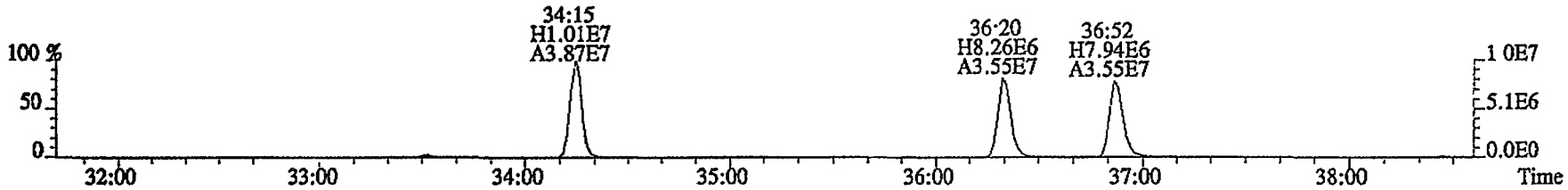
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



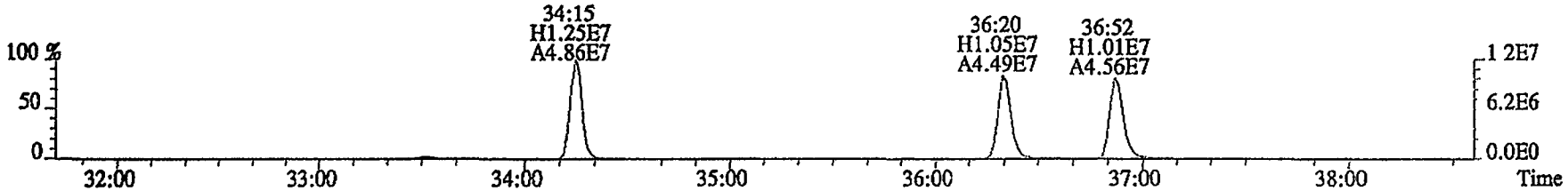
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,560.0,0.00%,F,F)



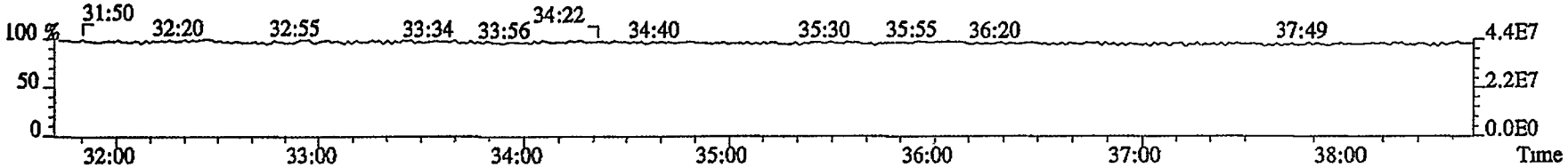
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2388.0,0.00%,F,F)



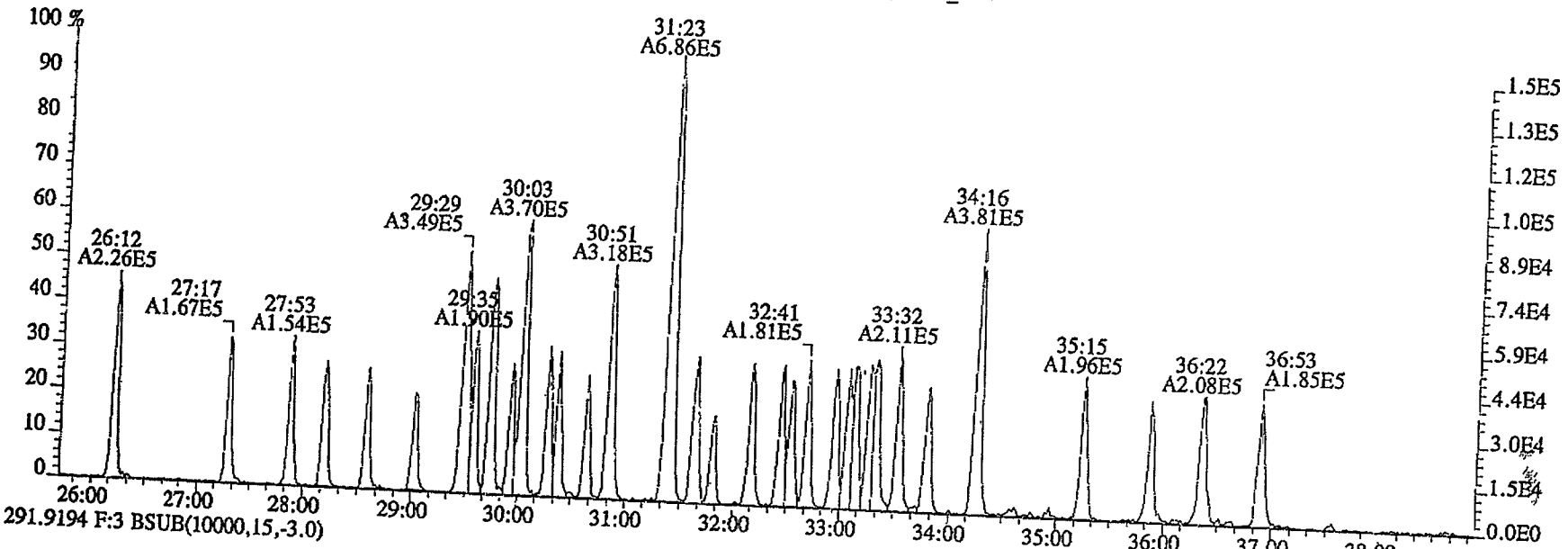
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



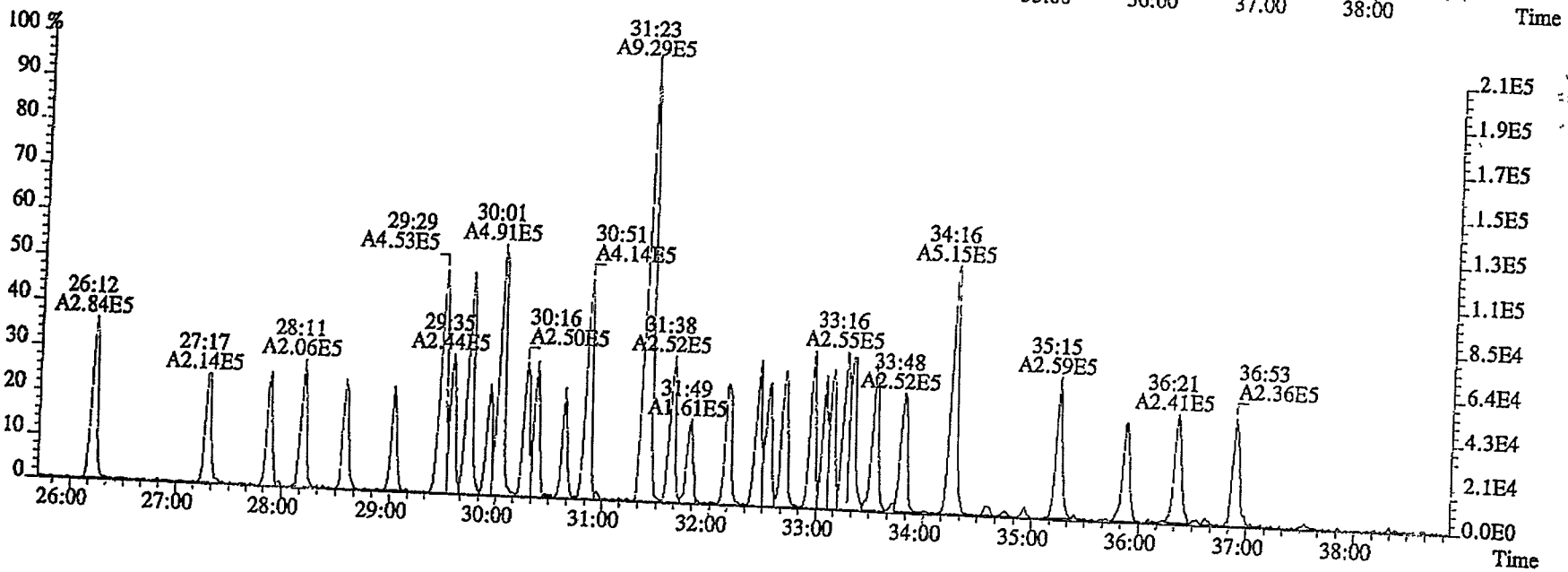
330.9792 F:3



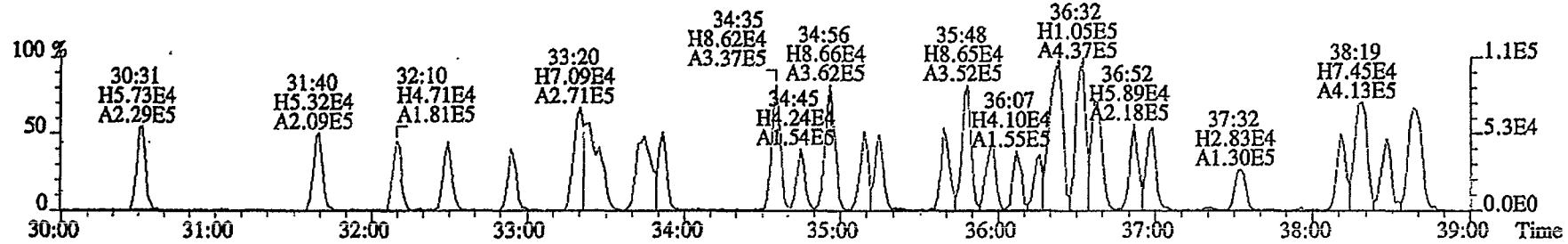
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0)



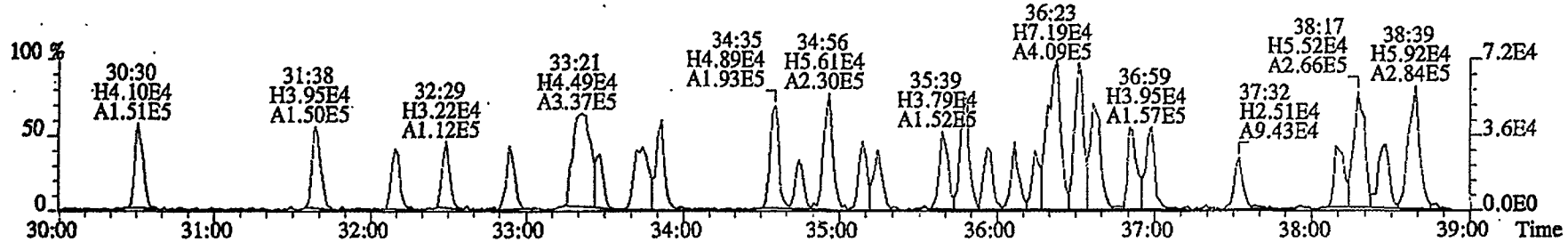
291.9194 F:3 BSUB(10000,15,-3.0)



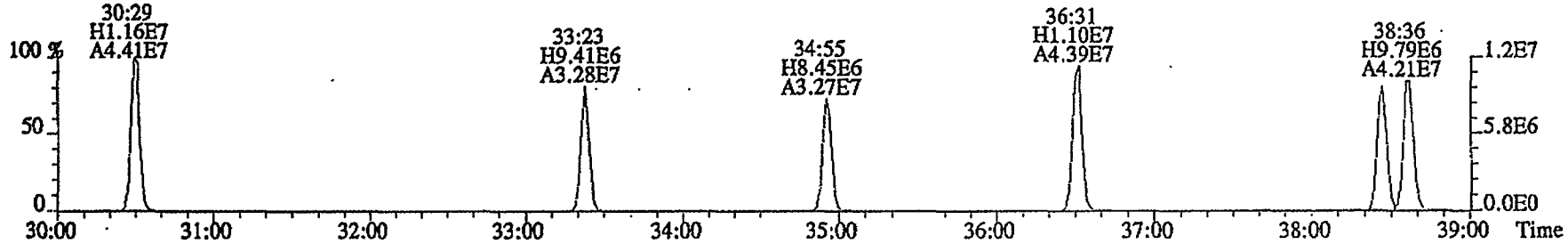
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,300.0,0.00%,F,F)



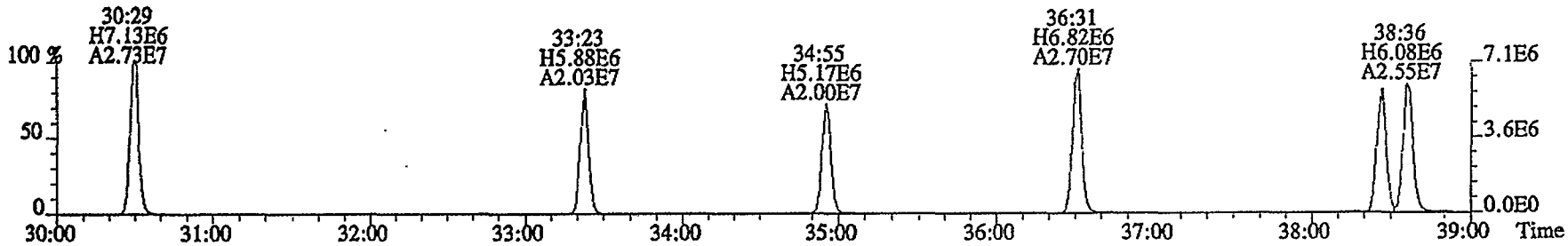
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1128.0,0.00%,F,F)



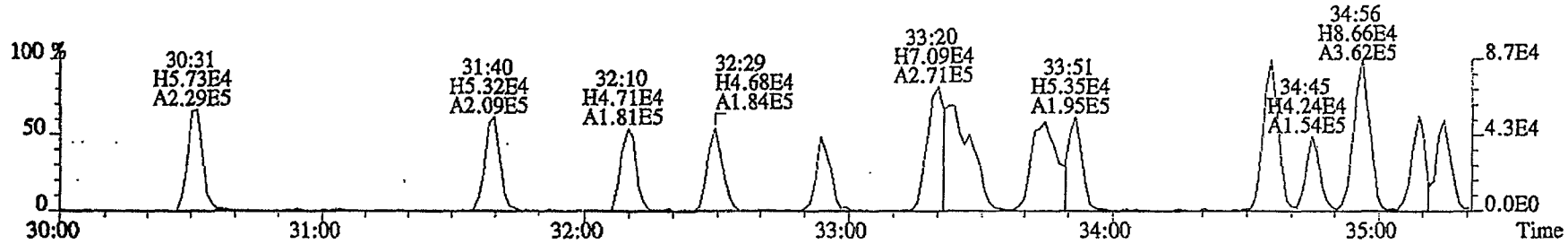
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



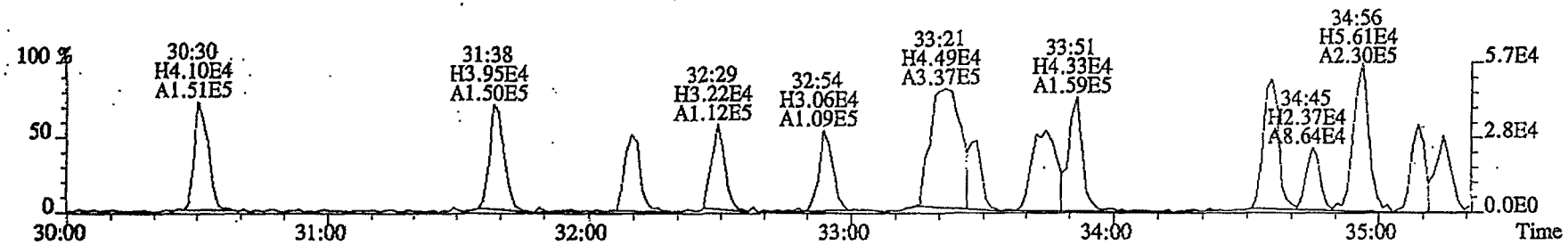
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



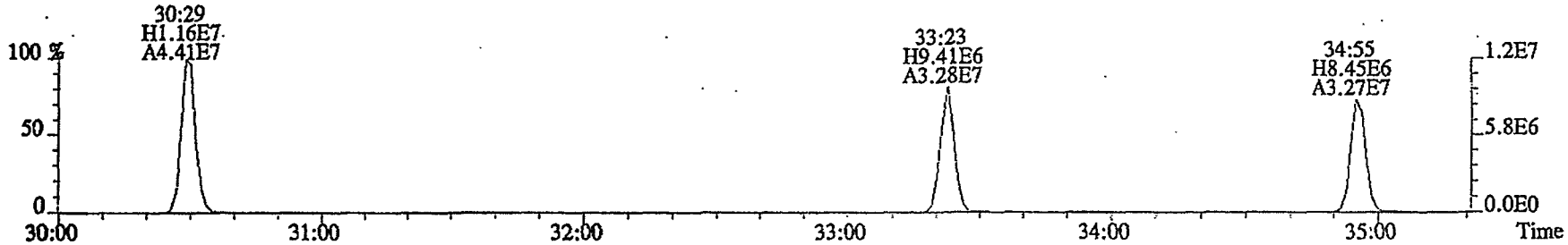
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,300.0,0.00%,F,F)



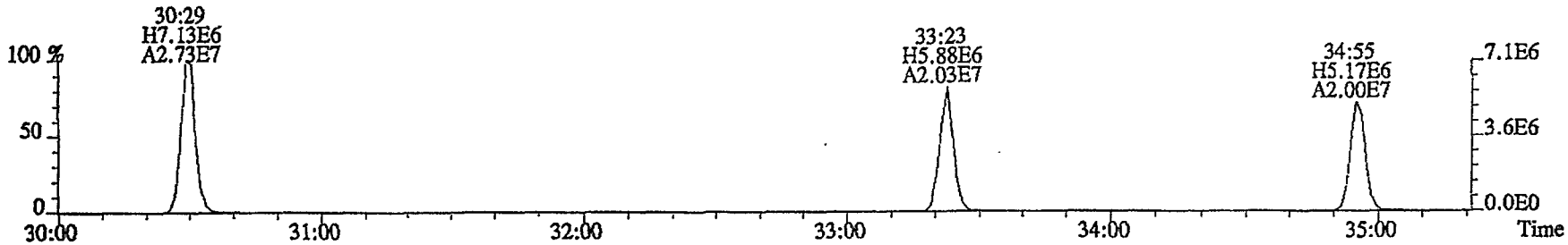
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1128.0,0.00%,F,F)



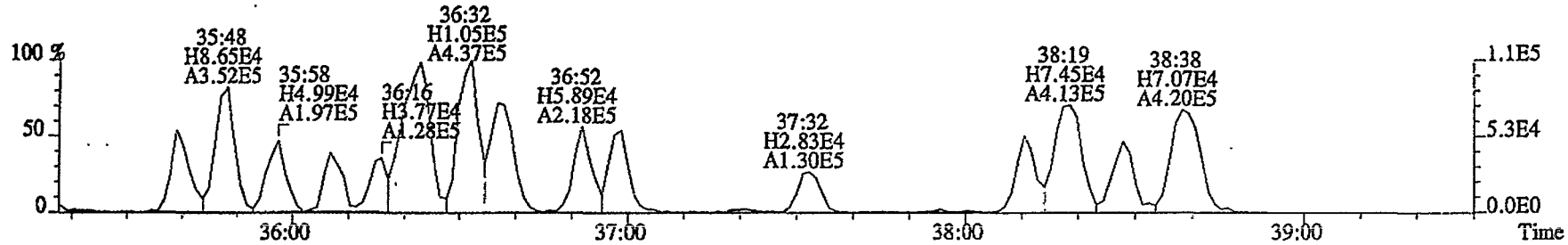
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



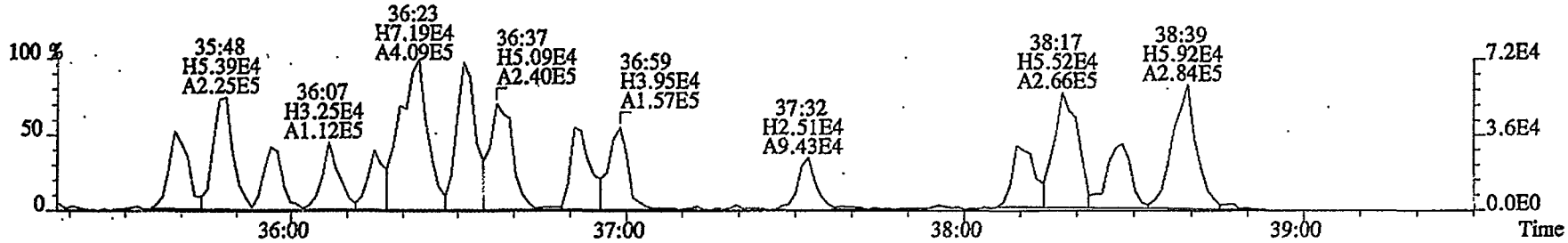
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



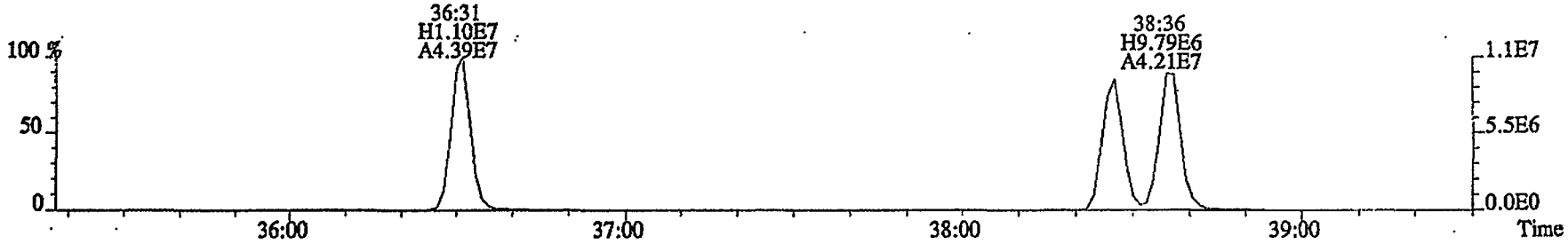
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,300.0,0.00%,F,F)



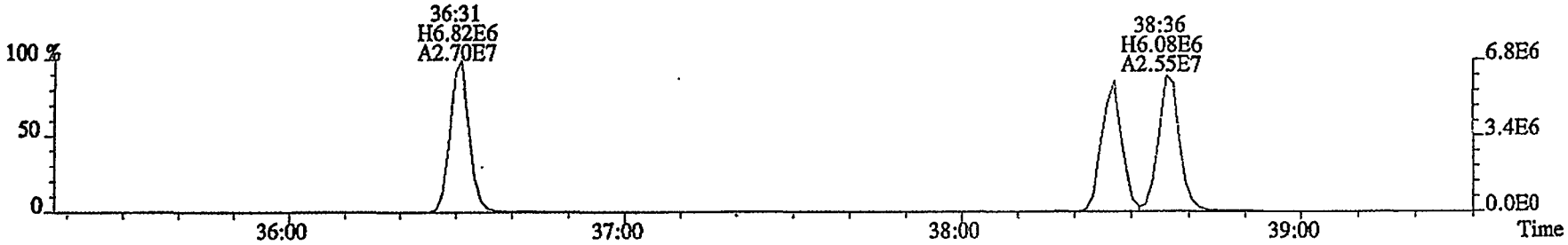
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1128.0,0.00%,F,F)



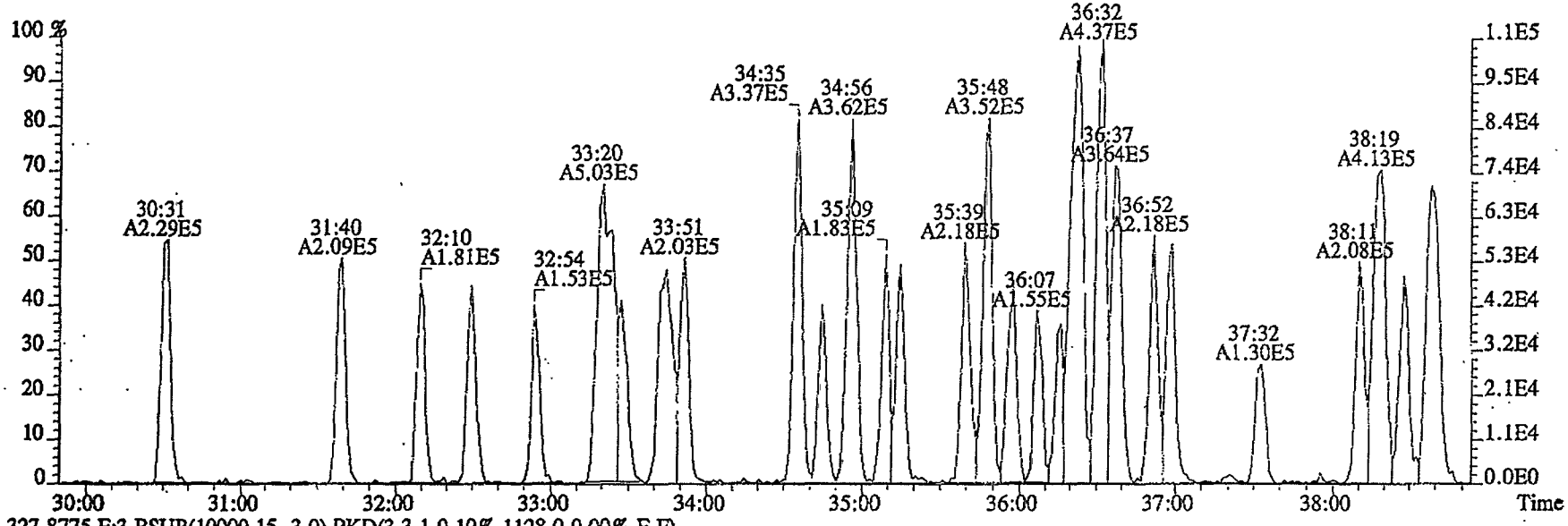
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,432.0,0.00%,F,F)



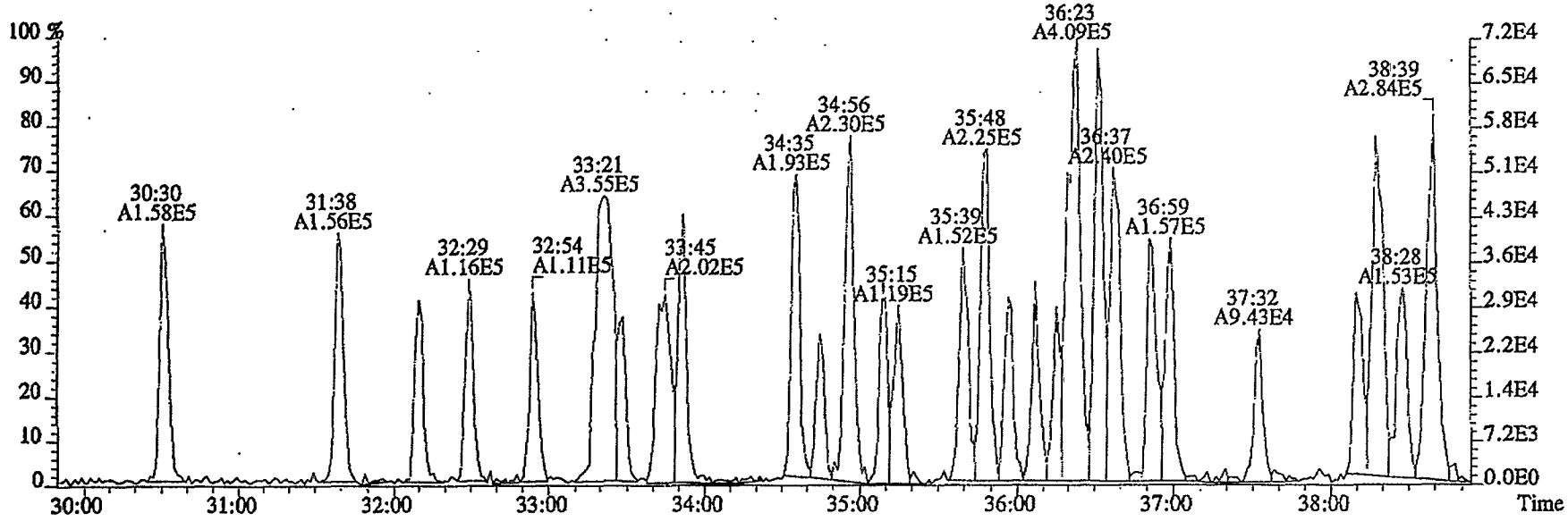
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



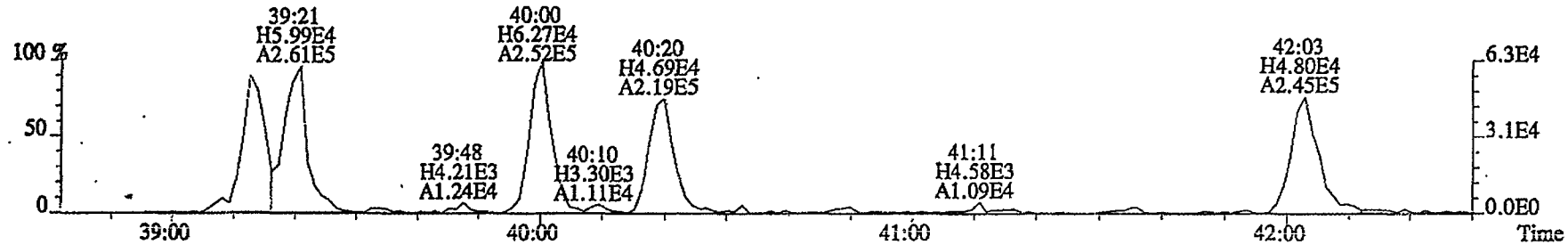
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,300.0,0.00%,F,F)



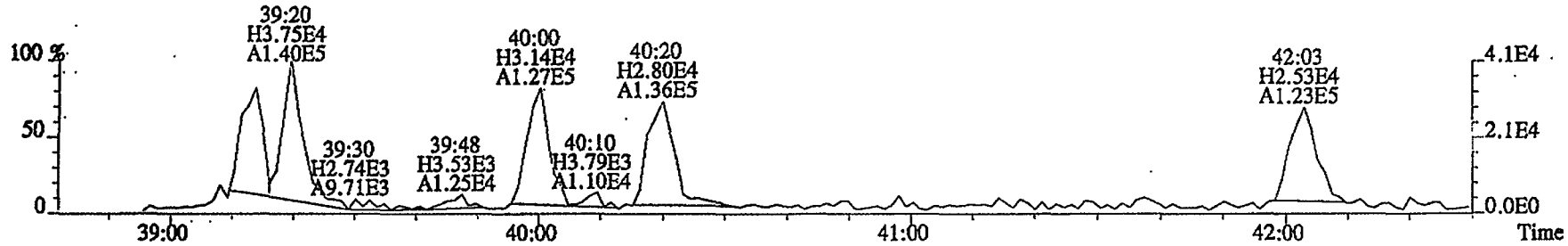
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1128.0,0.00%,F,F)



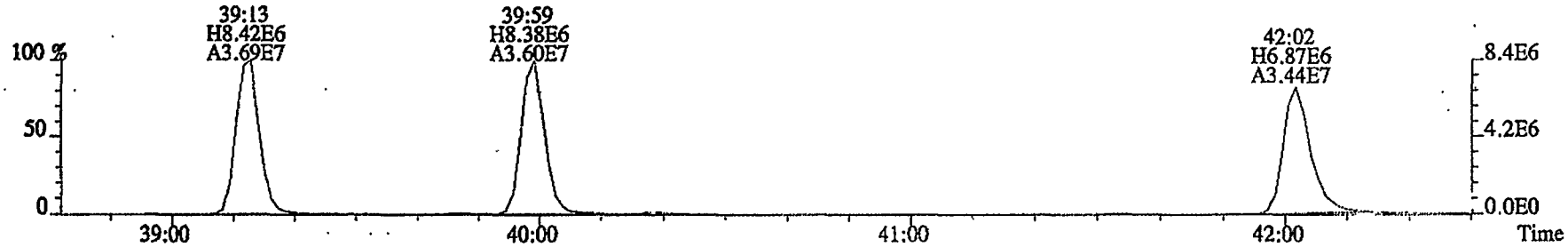
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)



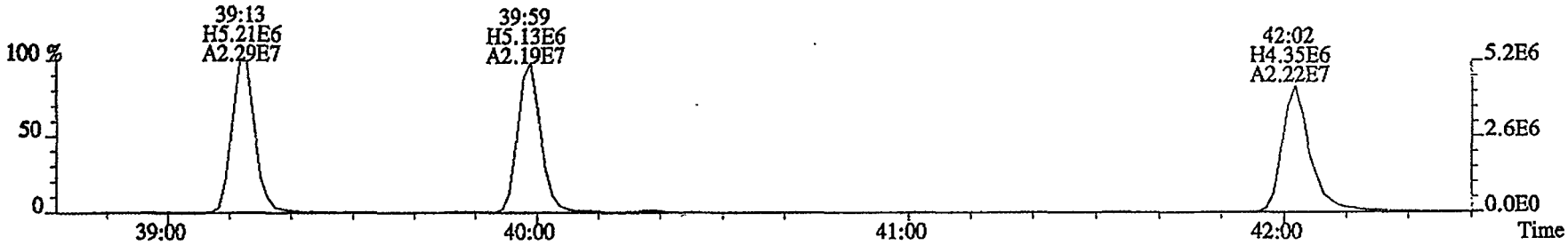
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2768.0,0.00%,F,F)



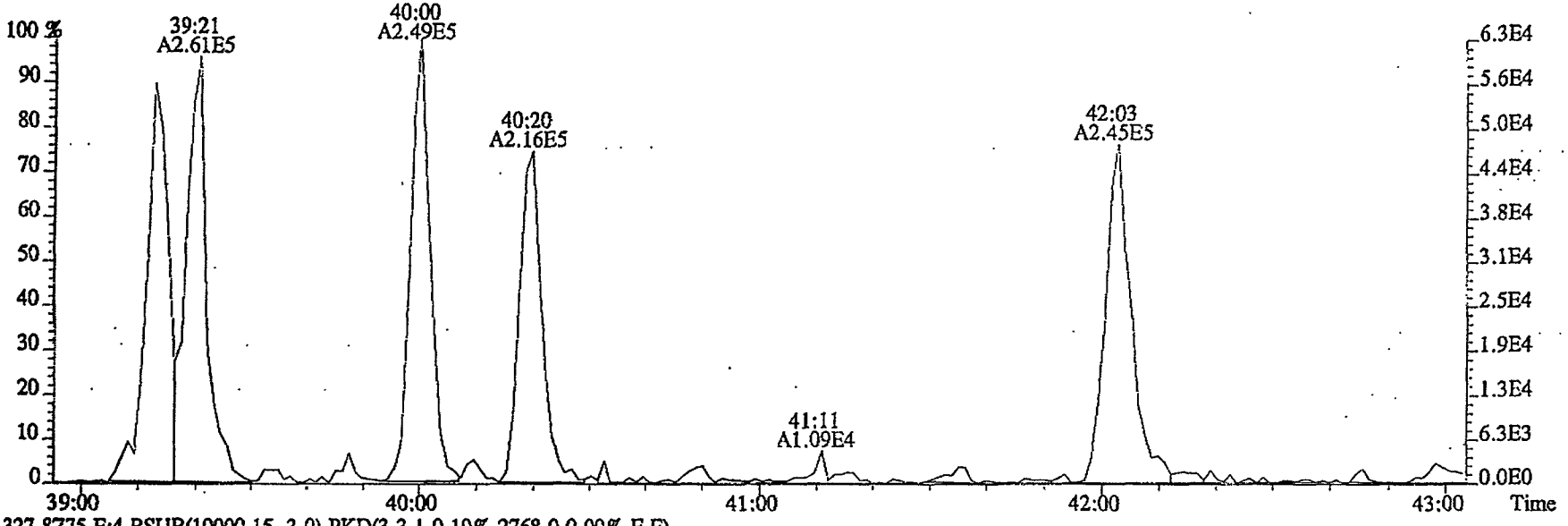
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3008.0,0.00%,F,F)



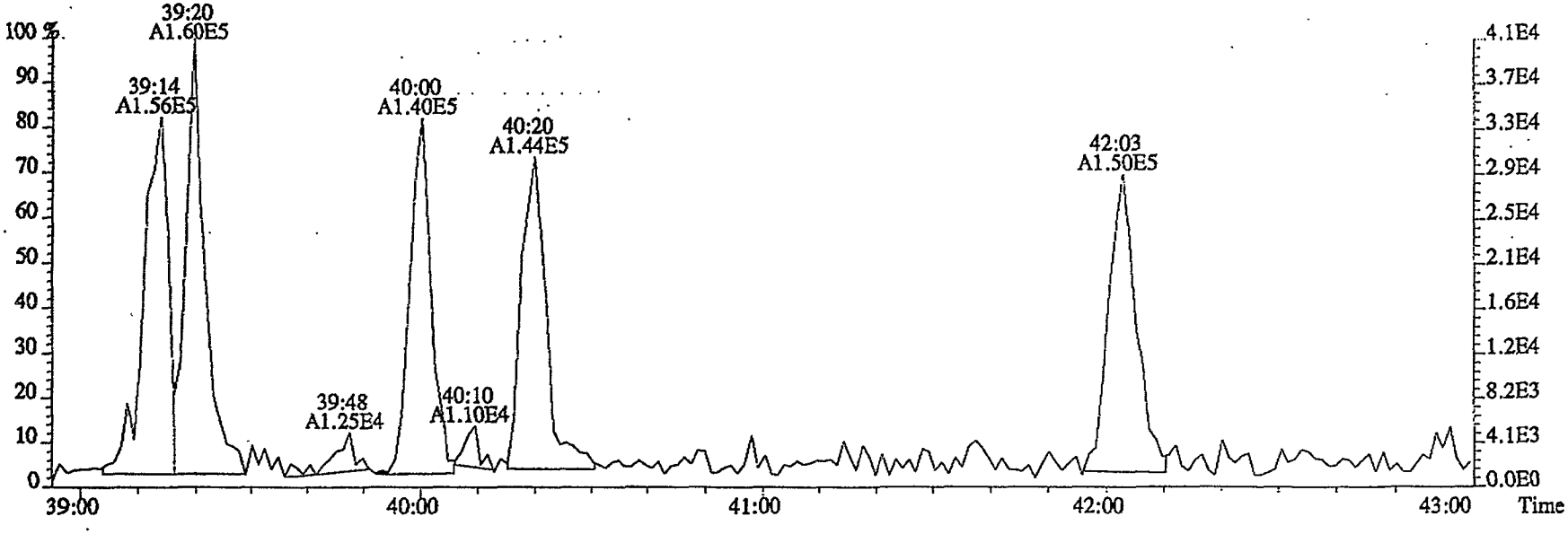
339.9177 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3000.0,0.00%,F,F)



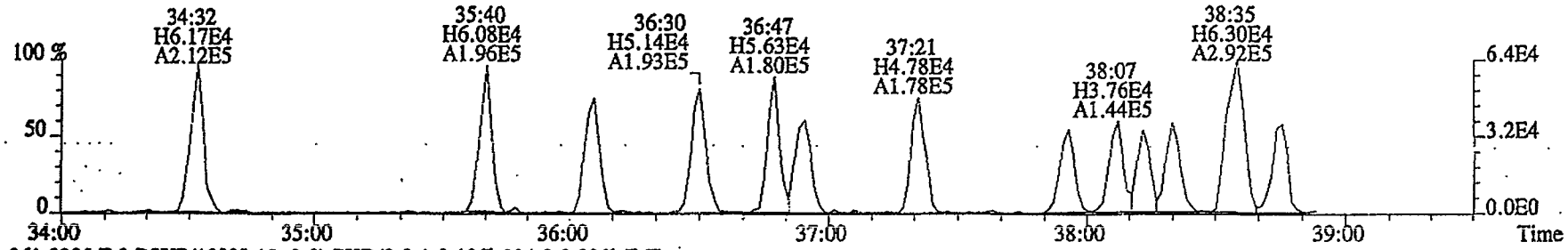
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)



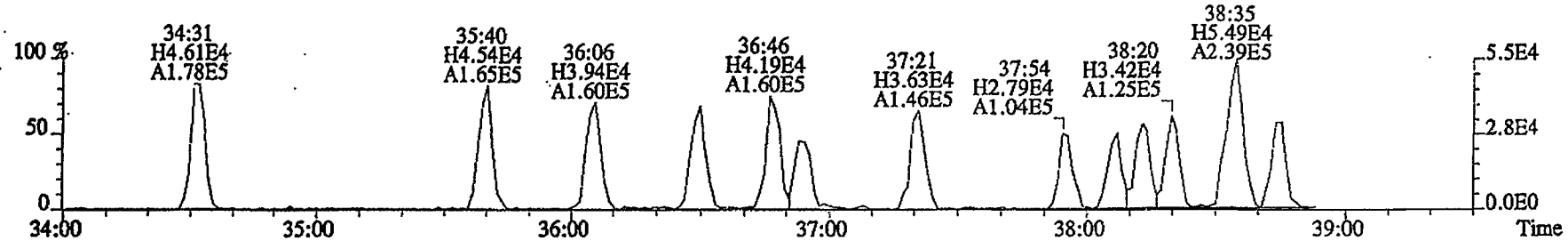
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2768.0,0.00%,F,F)



File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
359.8415 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,448.0,0.00%,F,F)

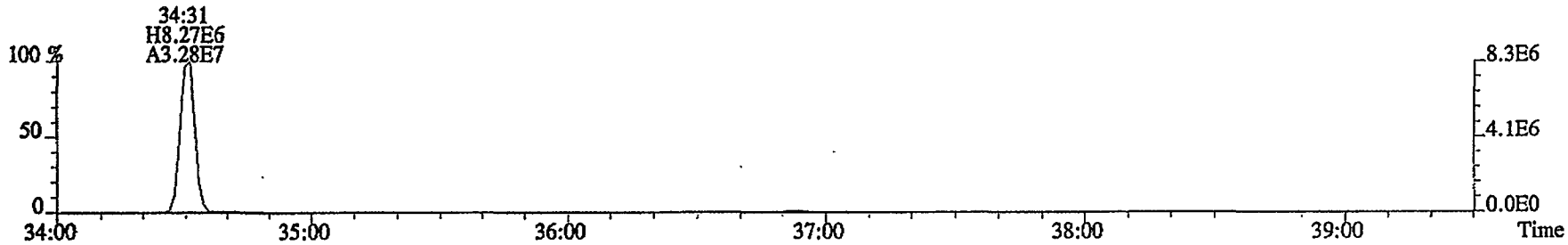


361.8385 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,F)

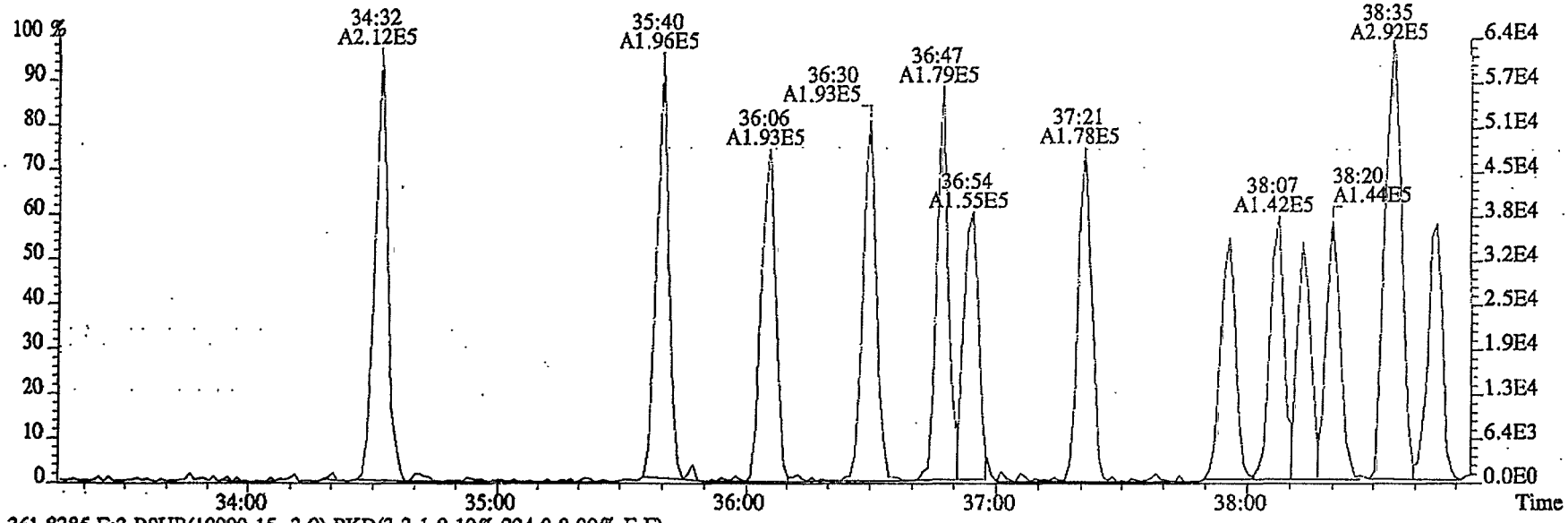


371.8817 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)

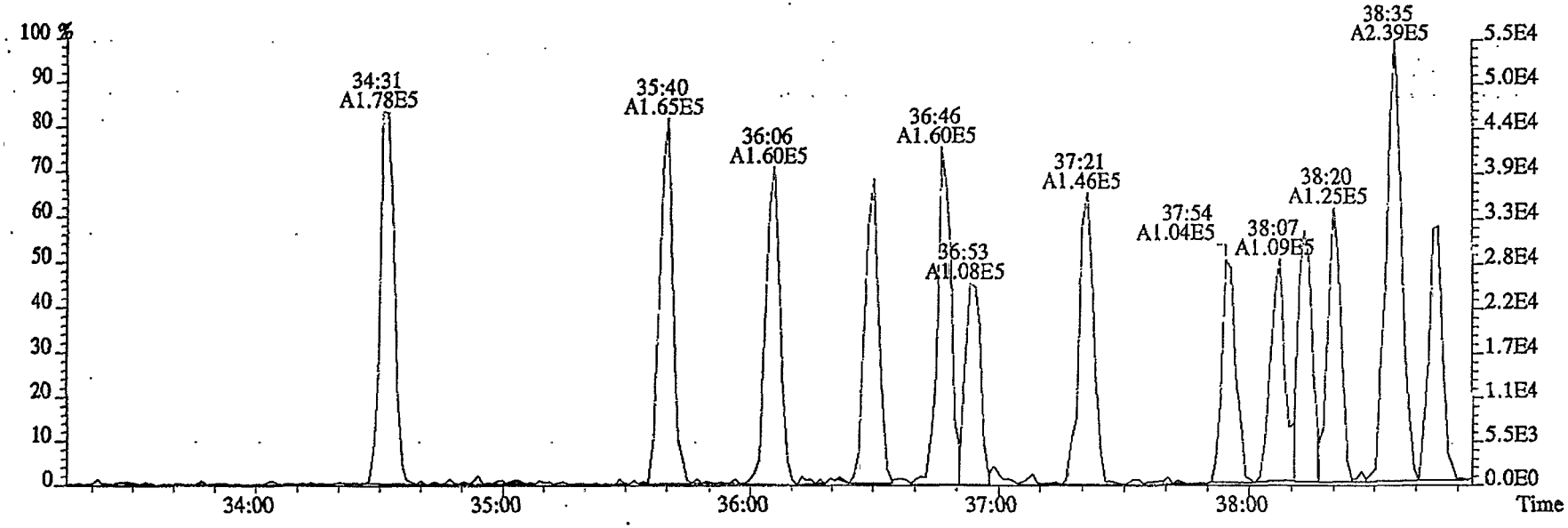
373.8788 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



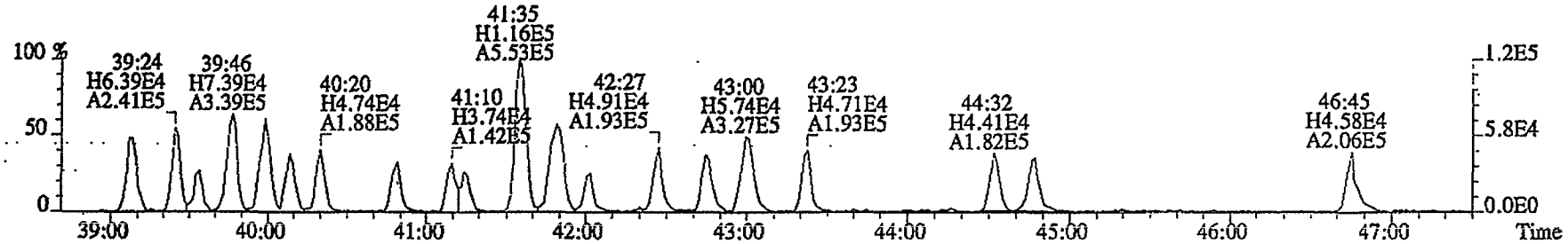
File:030929E1 #1-685 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
359.8415 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,448.0,0.00%,F,F)



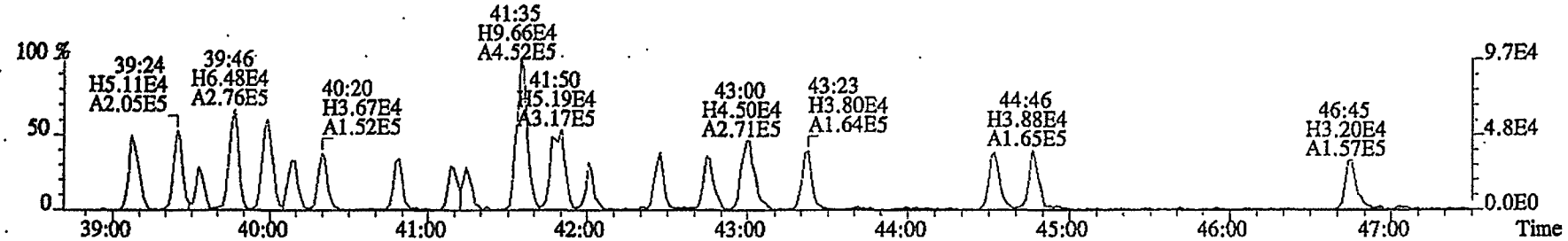
361.8385 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,F)



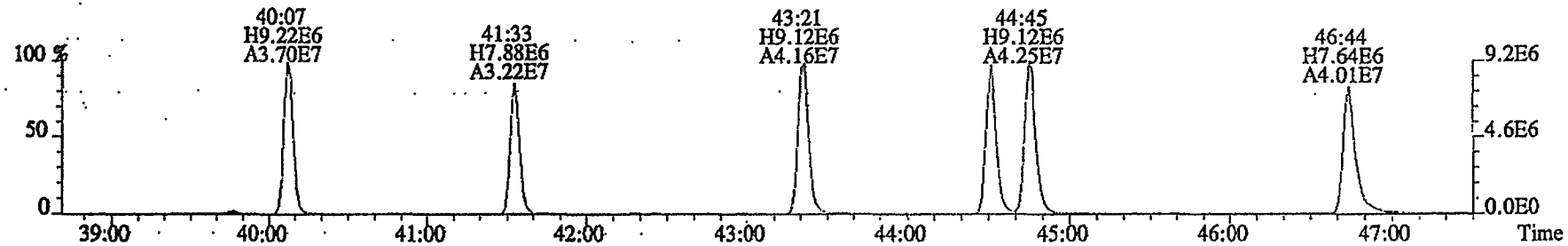
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



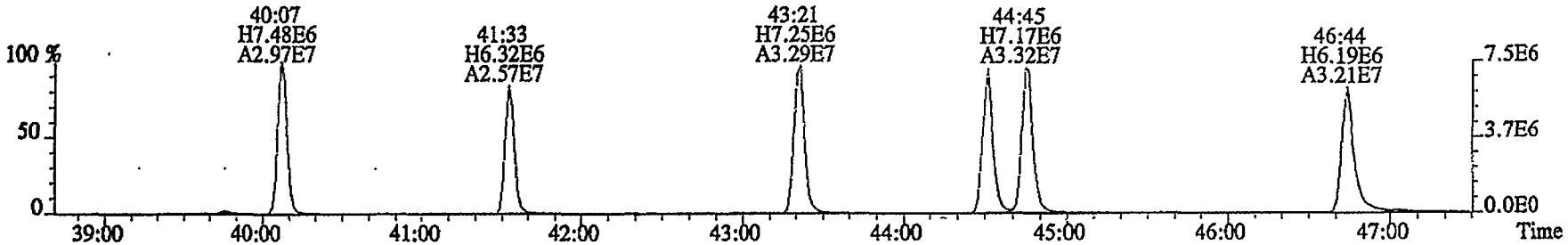
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



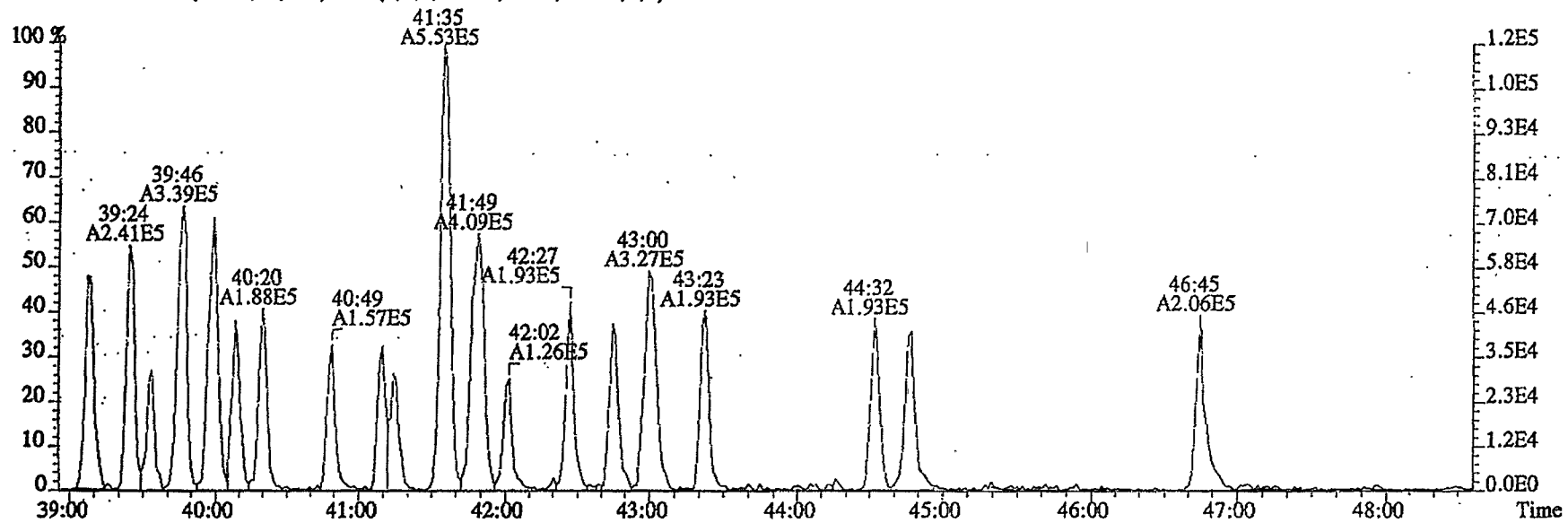
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3920.0,0.00%,F,F)



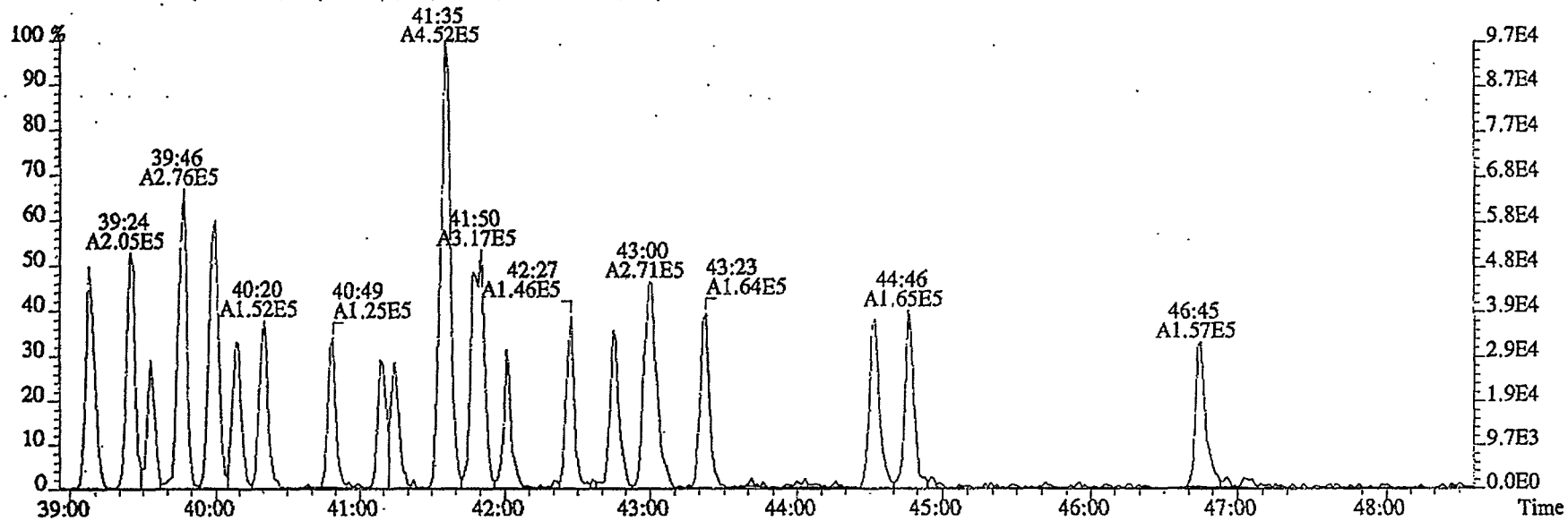
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3572.0,0.00%,F,F)



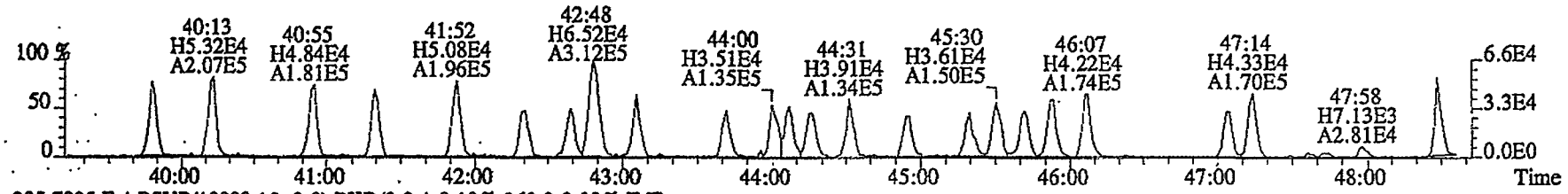
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



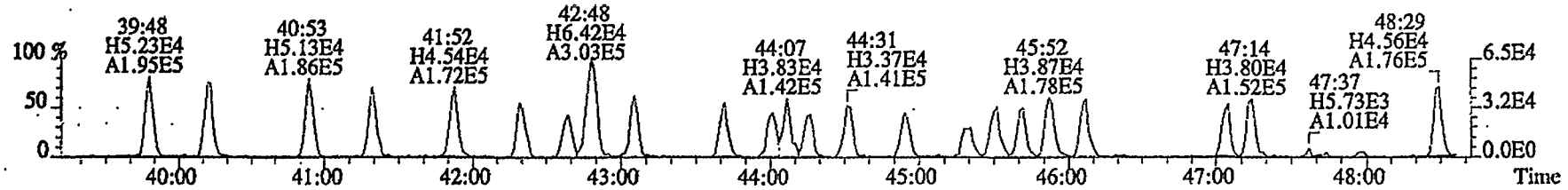
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



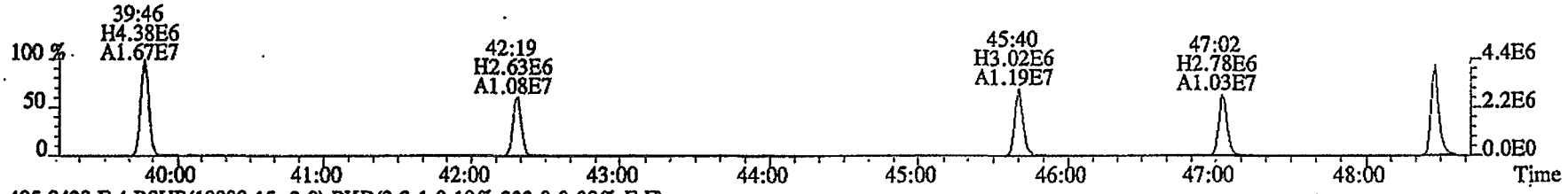
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
393.8025 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



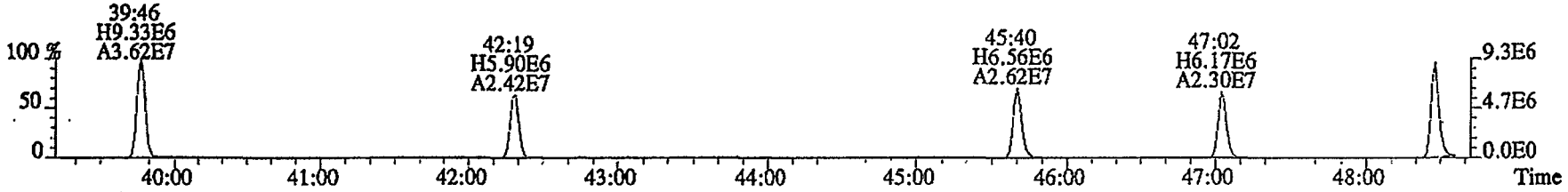
395.7995 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,360.0,0.00%,F,F)



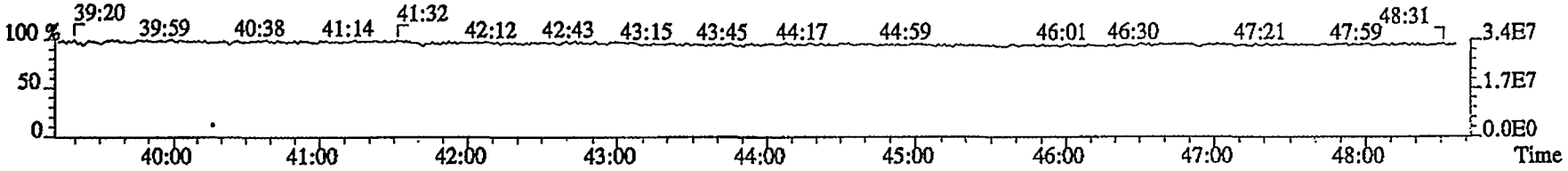
403.8457 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,248.0,0.00%,F,F)



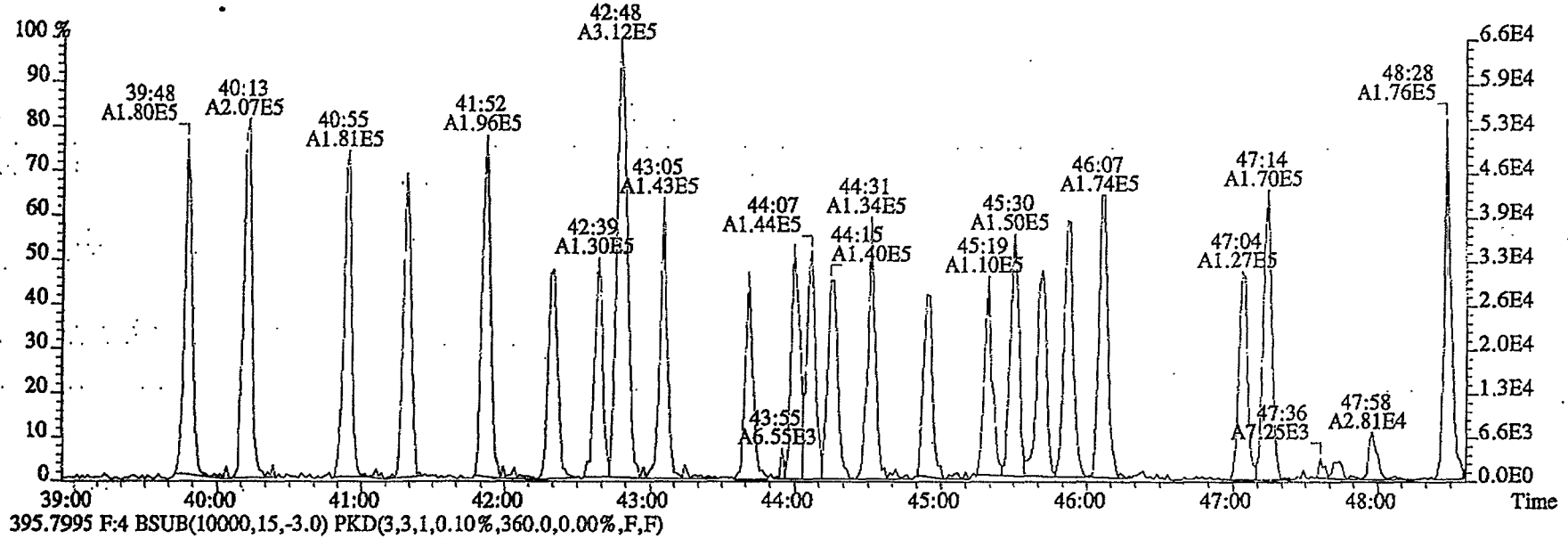
405.8428 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,332.0,0.00%,F,F)



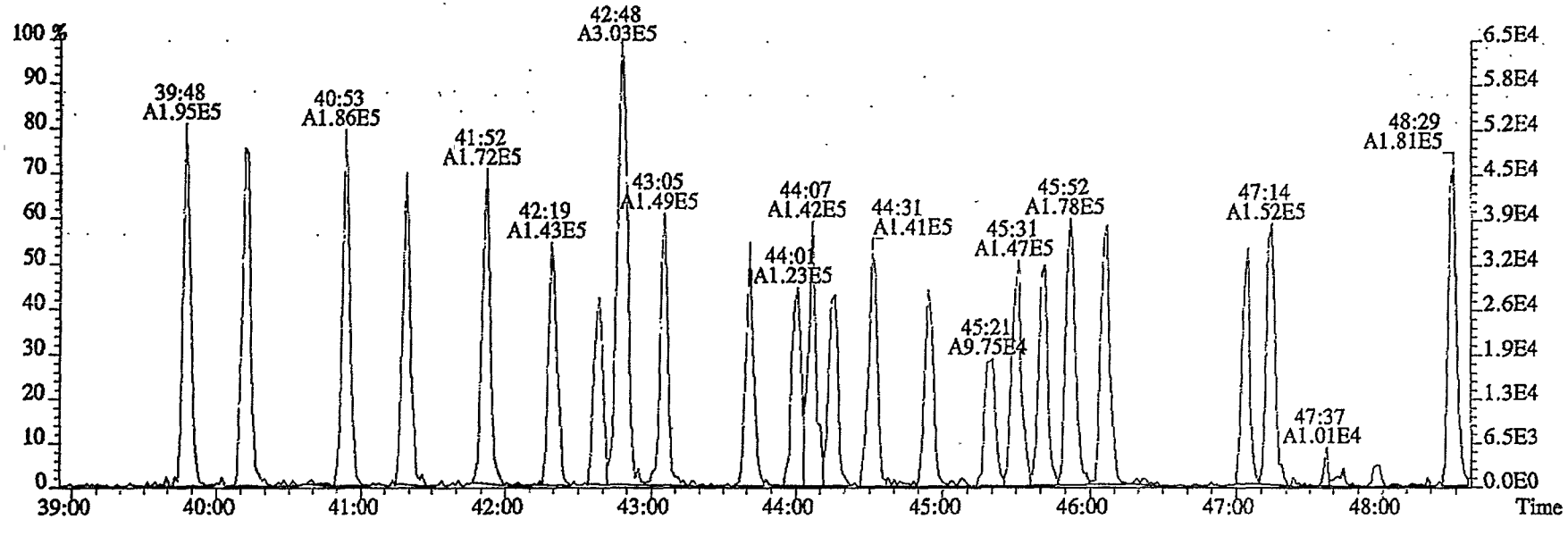
380.9760 F:4



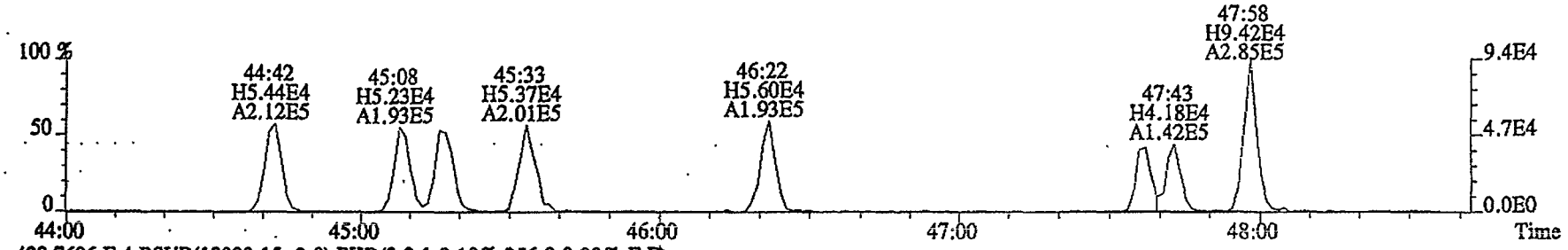
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
393.8025 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,780.0,0.00%,F,F)



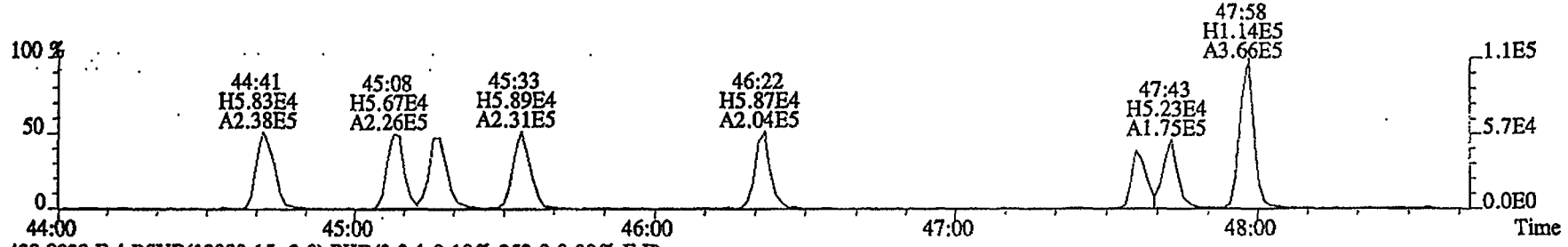
395.7995 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,360.0,0.00%,F,F)



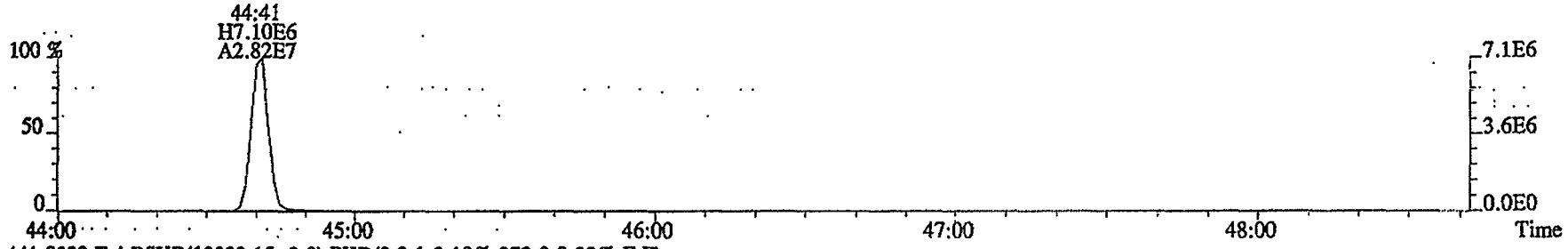
File:030929E1 #1-503 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
427.7635 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



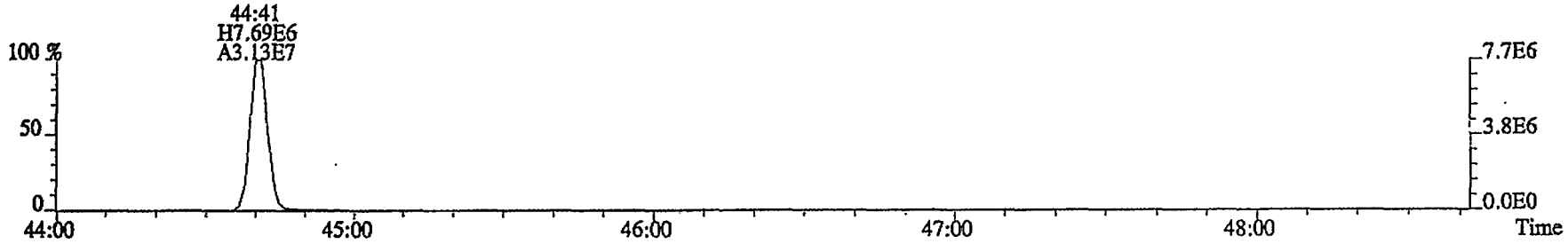
429.7606 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,256.0,0.00%,F,F)



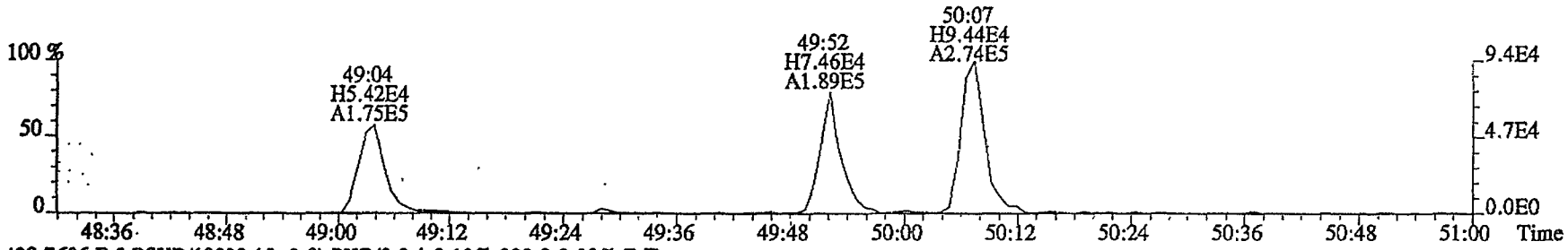
439.8038 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



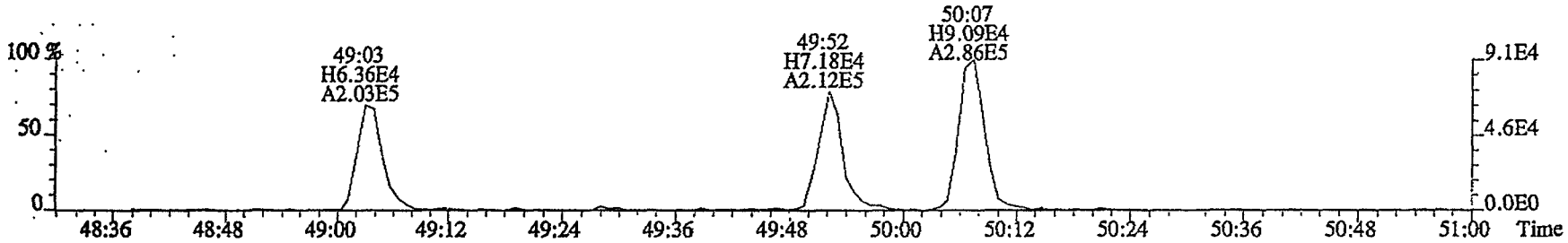
441.8008 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



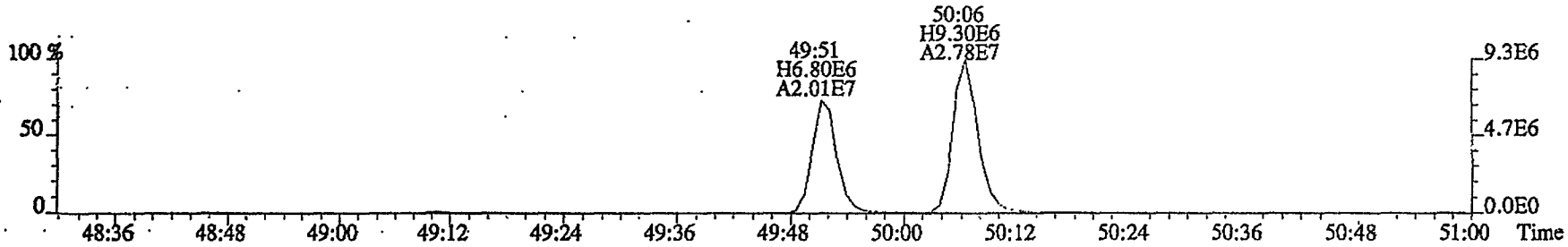
File:030929E1 #1-429 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,200.0,0.00%,F,F)



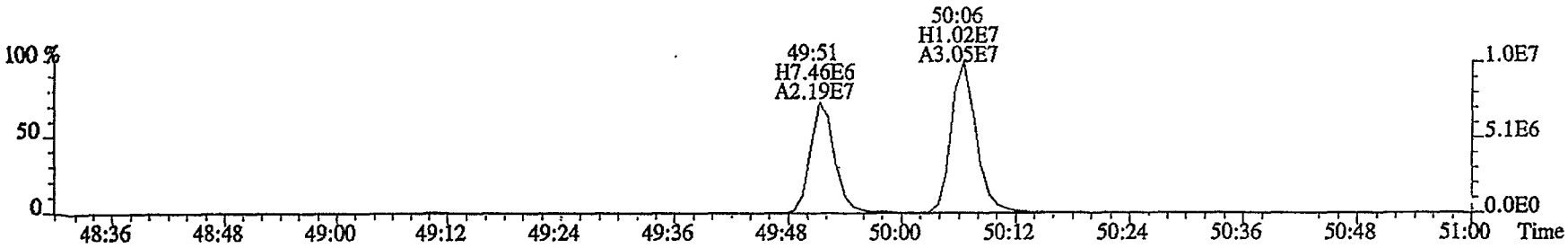
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



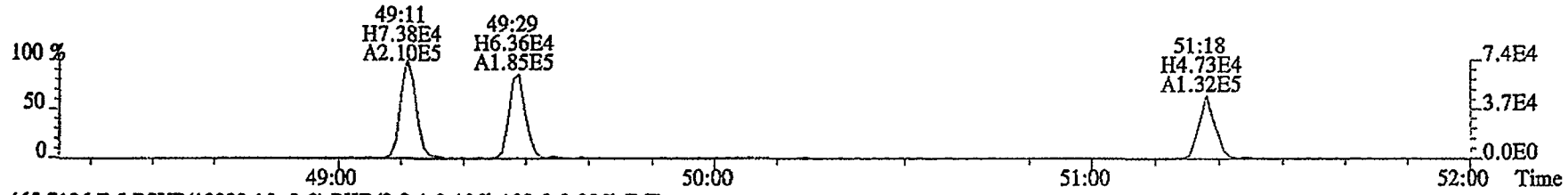
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,236.0,0.00%,F,F)



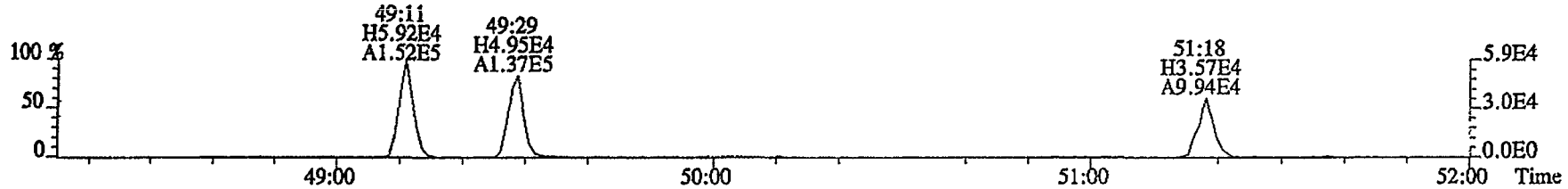
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,240.0,0.00%,F,F)



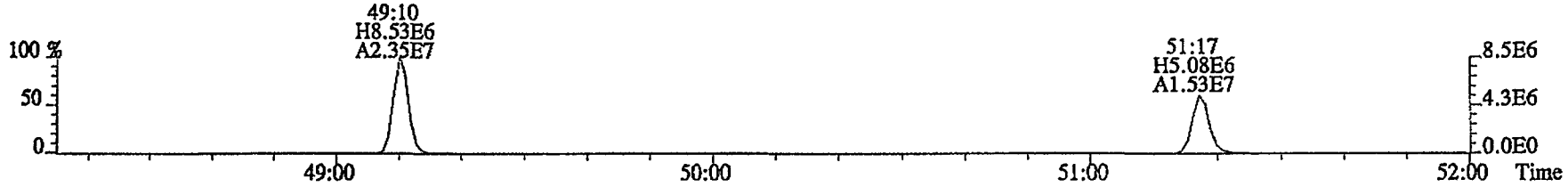
File:030929E1 #1-429 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
463.7216 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



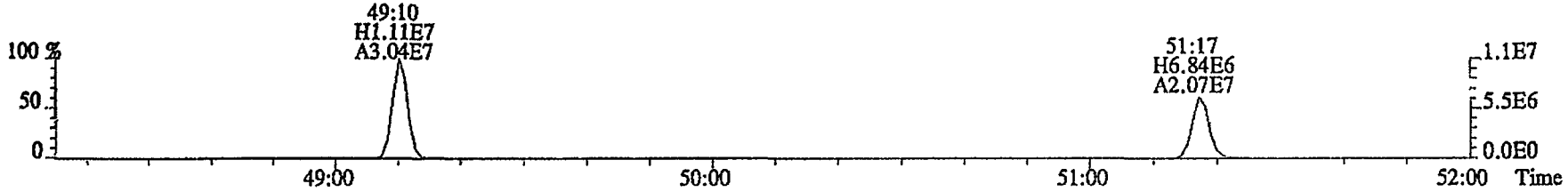
465.7186 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,192.0,0.00%,F,F)



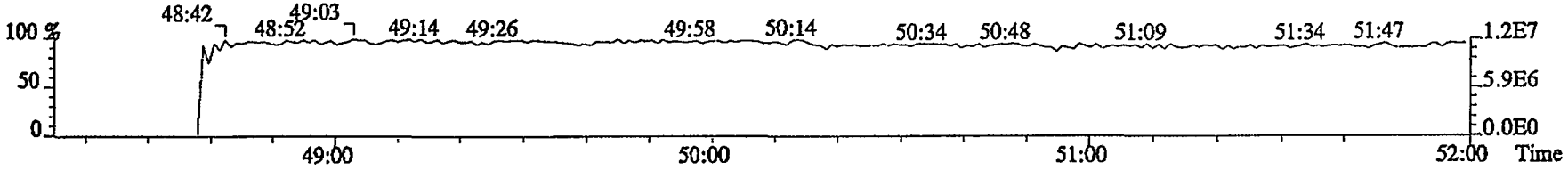
473.7648 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,220.0,0.00%,F,F)



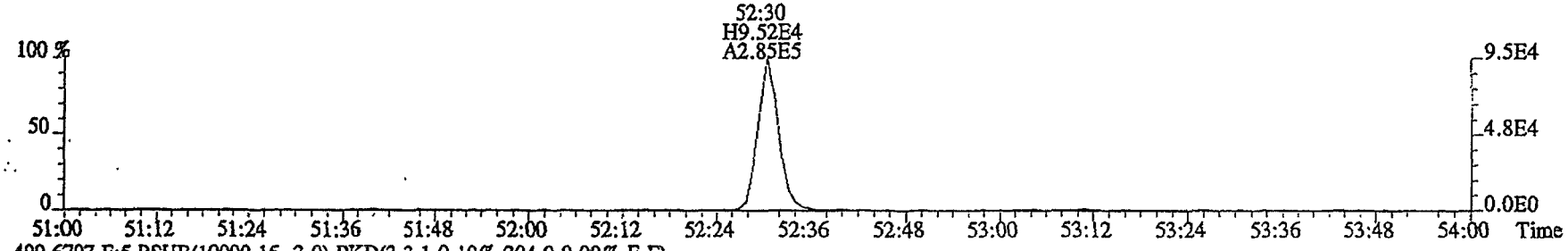
475.7619 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,216.0,0.00%,F,F)



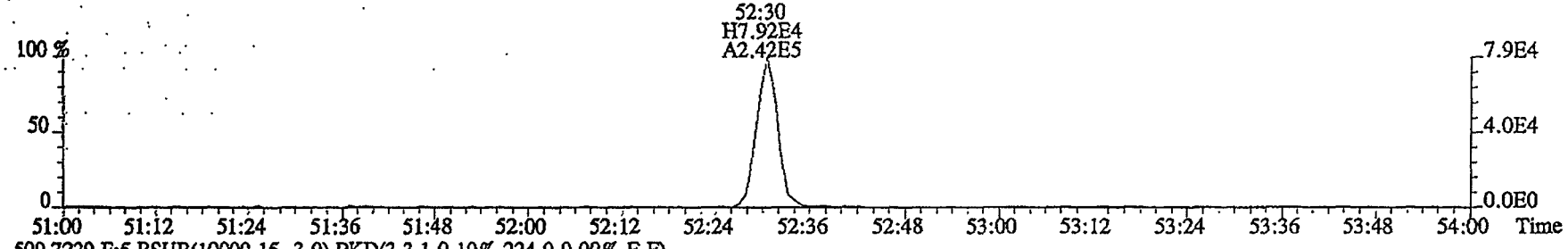
492.9697 F:5



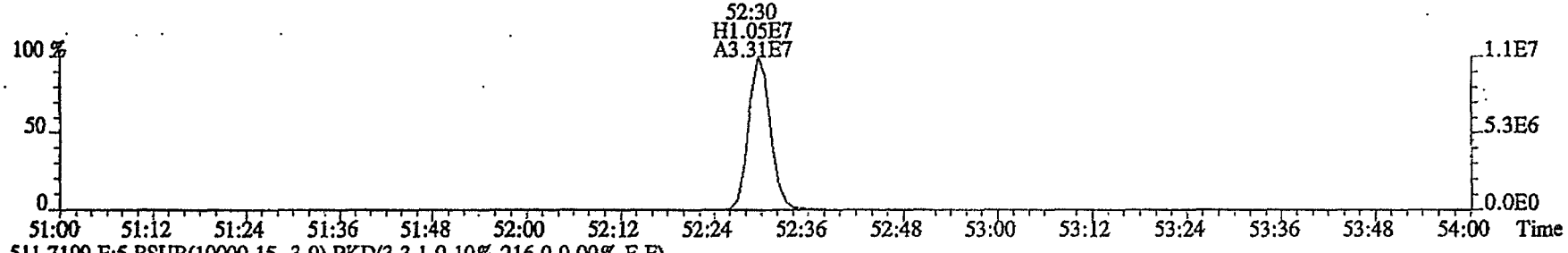
File:030929E1 #1-429 Acq:29-SEP-2003 12:06:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST030929E1-1 PCB 209 CS1 030916E Exp:PCB_DB1
497.6826 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



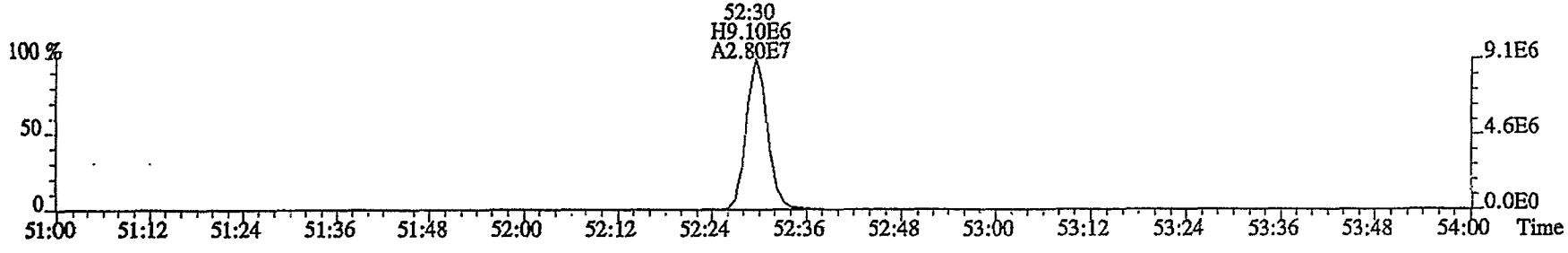
499.6797 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



509.7229 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,F)

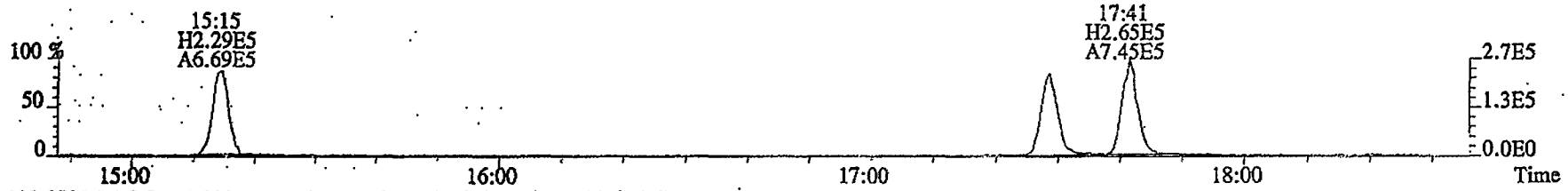


511.7199 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,216.0,0.00%,F,F)

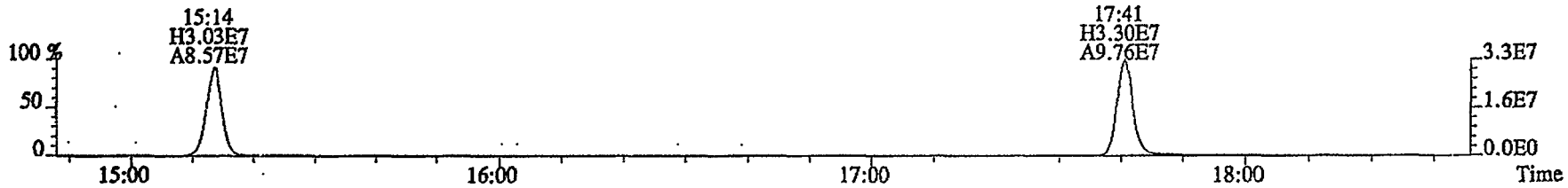


File:030929E1 #1-728 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
188.0393 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3904.0,0.00%,F,F)

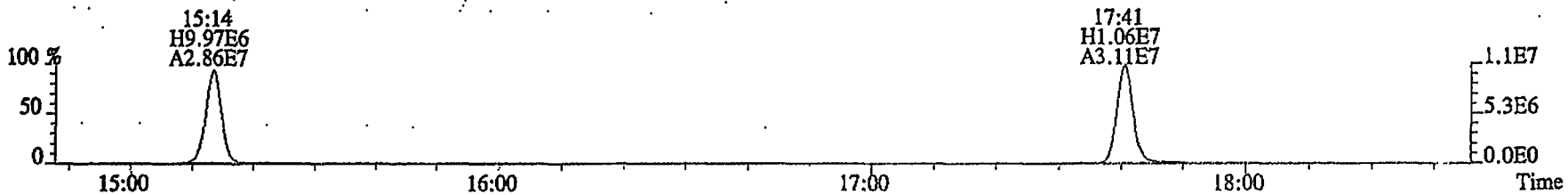
190.0363 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2260.0,0.00%,F,F)



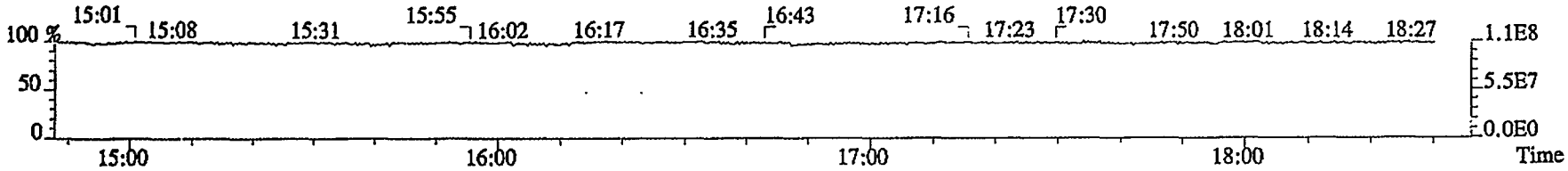
200.0795 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3480.0,0.00%,F,F)



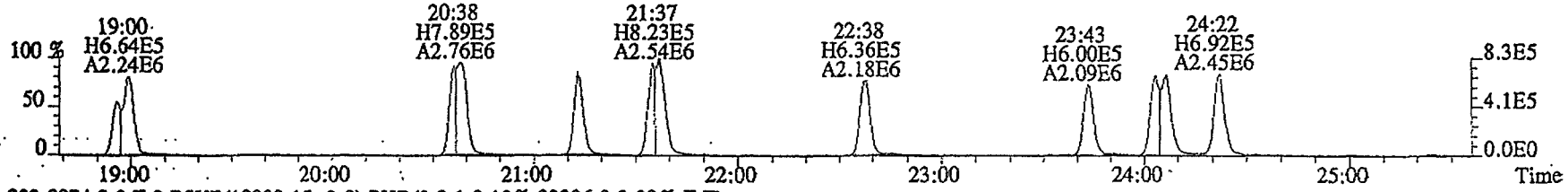
202.0766 S:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,28032.0,0.00%,F,F)



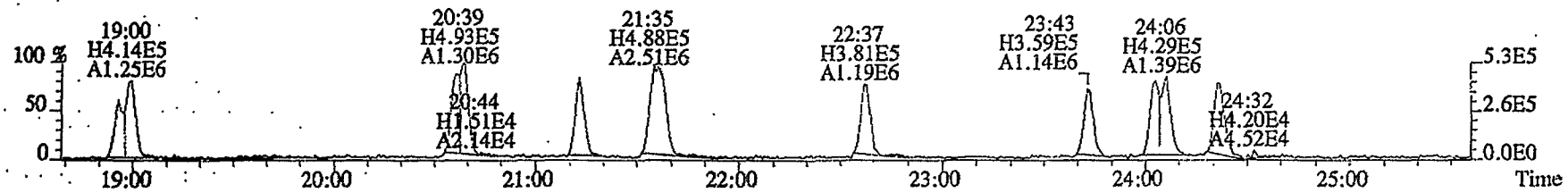
180.9880 S:2



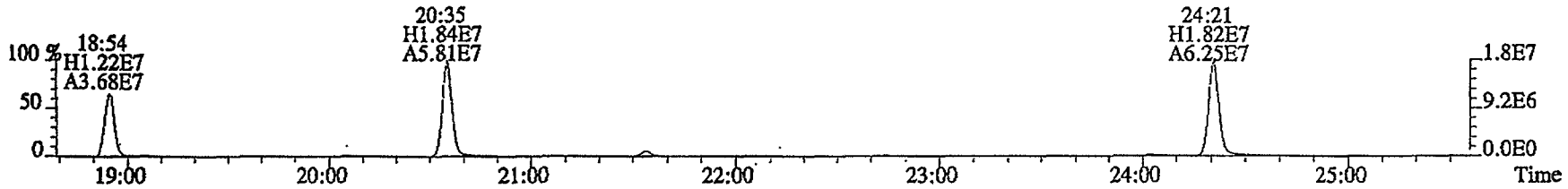
File:030929E1 #1-678 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2684.0,0.00%,F,F)



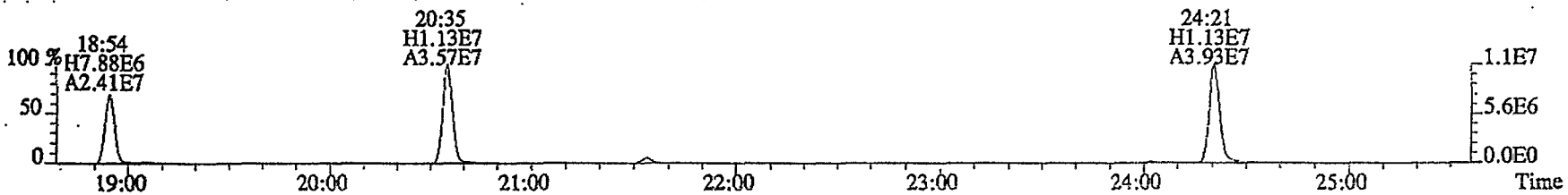
223.9974 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22396.0,0.00%,F,F)



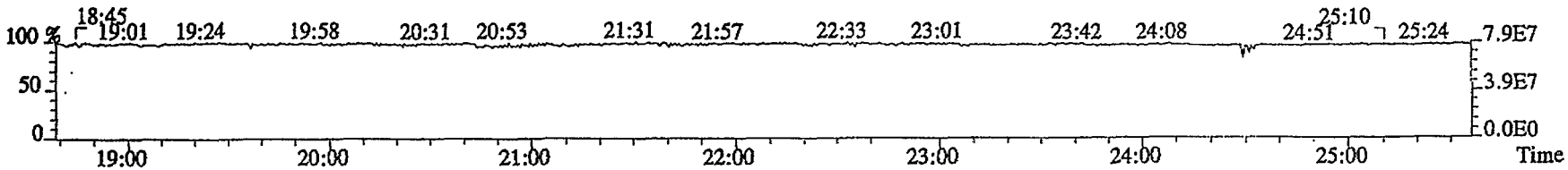
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1420.0,0.00%,F,F)



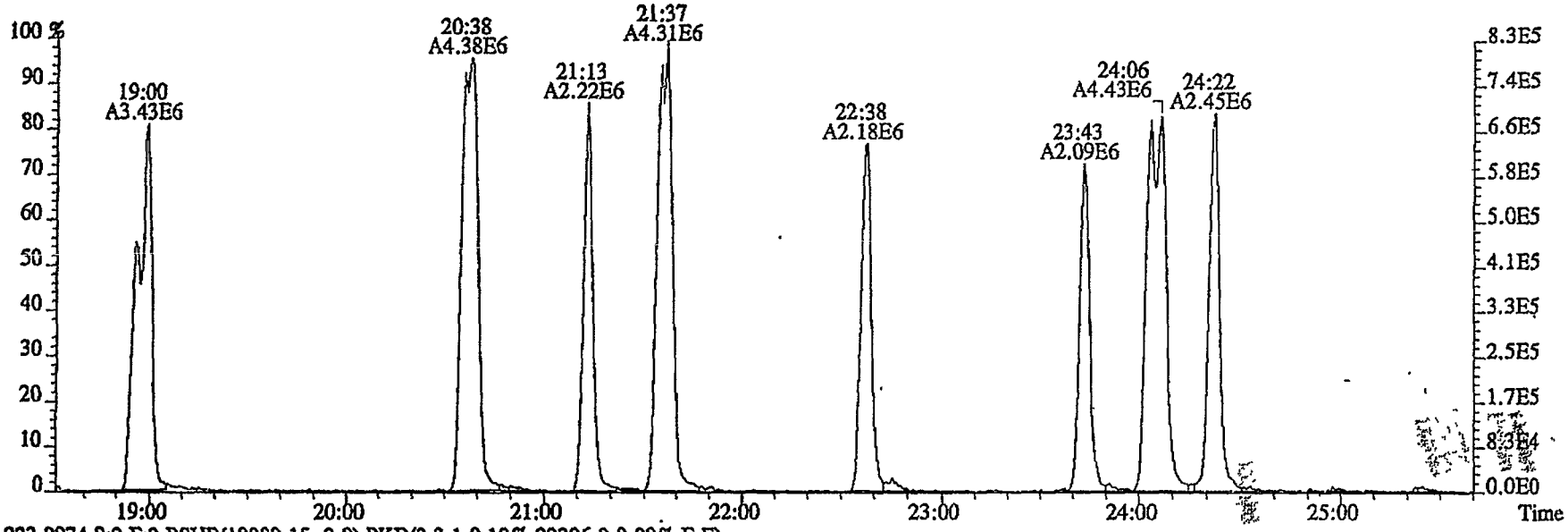
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1528.0,0.00%,F,F)



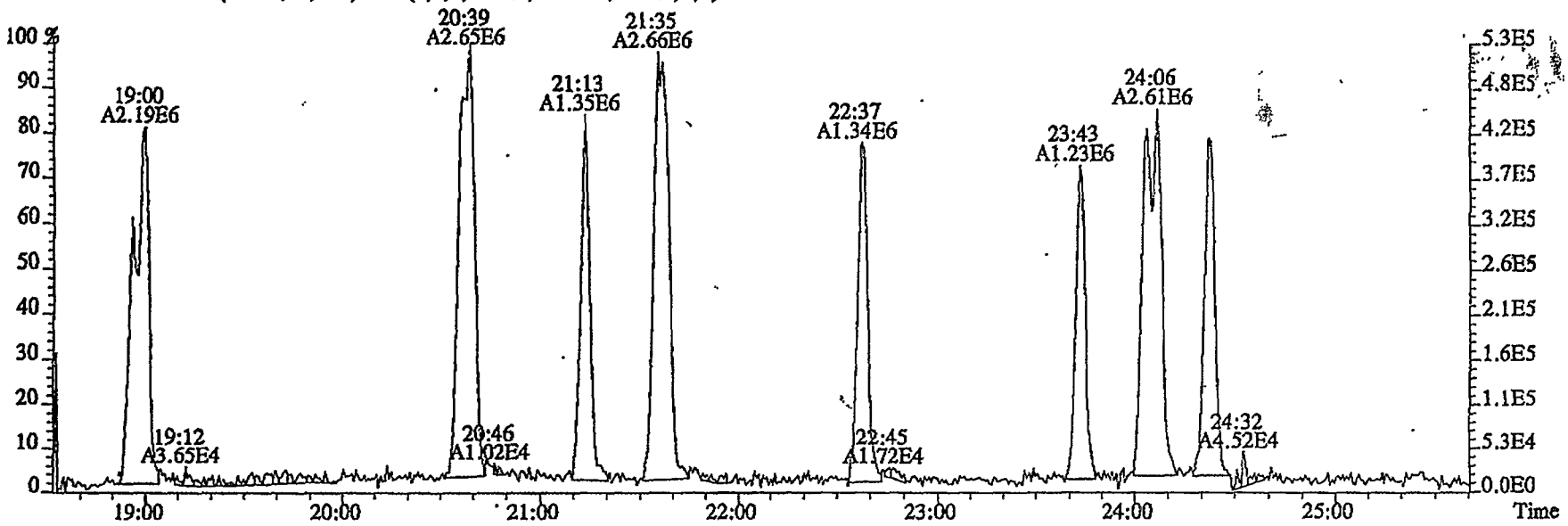
230.9856 S:2 F:2



File:030929E1 #1-678 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2684.0,0.00%,F,F)



223.9974 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22396.0,0.00%,F,F)



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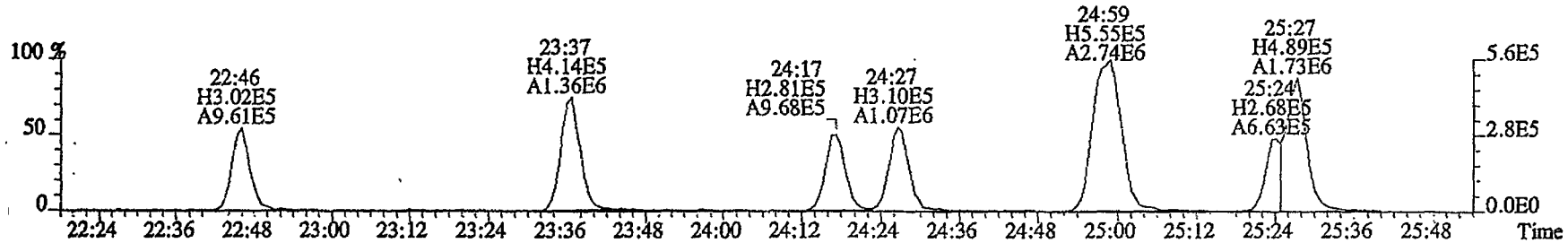
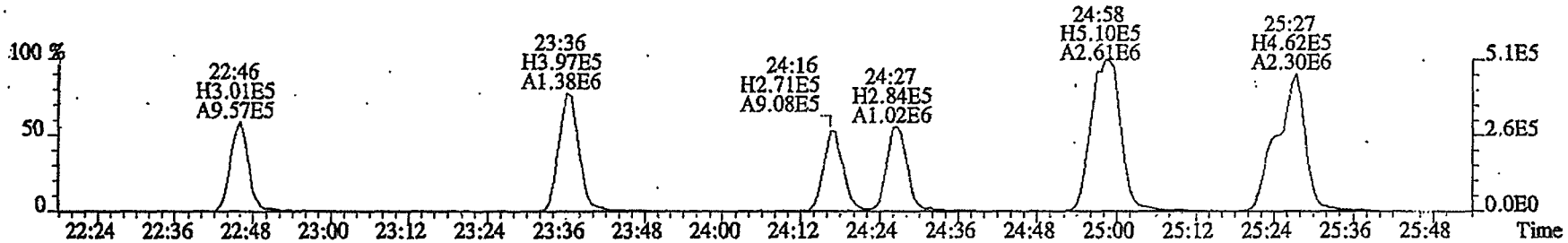
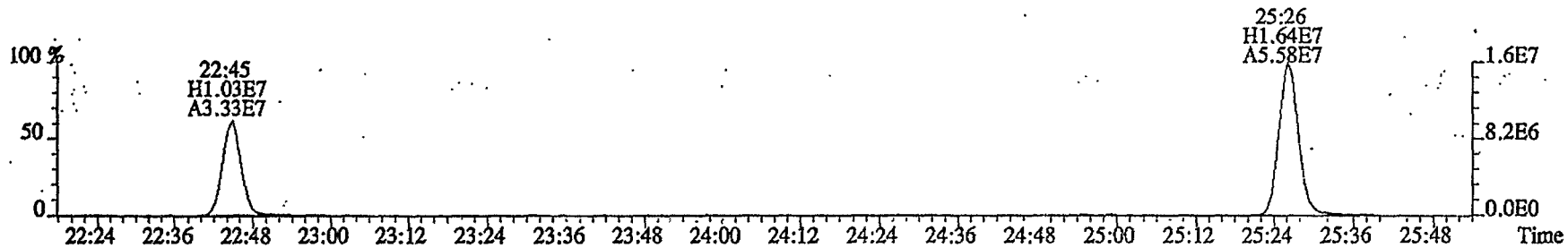
File:030929E1 #1-678 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
255.9613 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2204.0,0.00%,F,F)



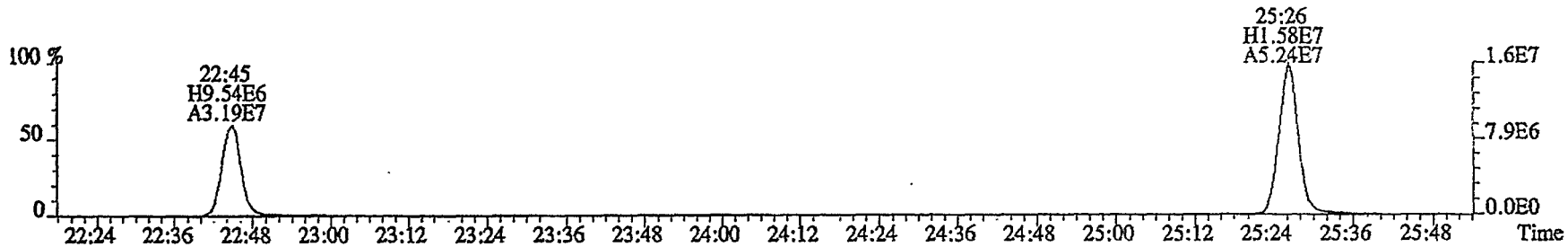
257.9584 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,488.0,0.00%,F,F)



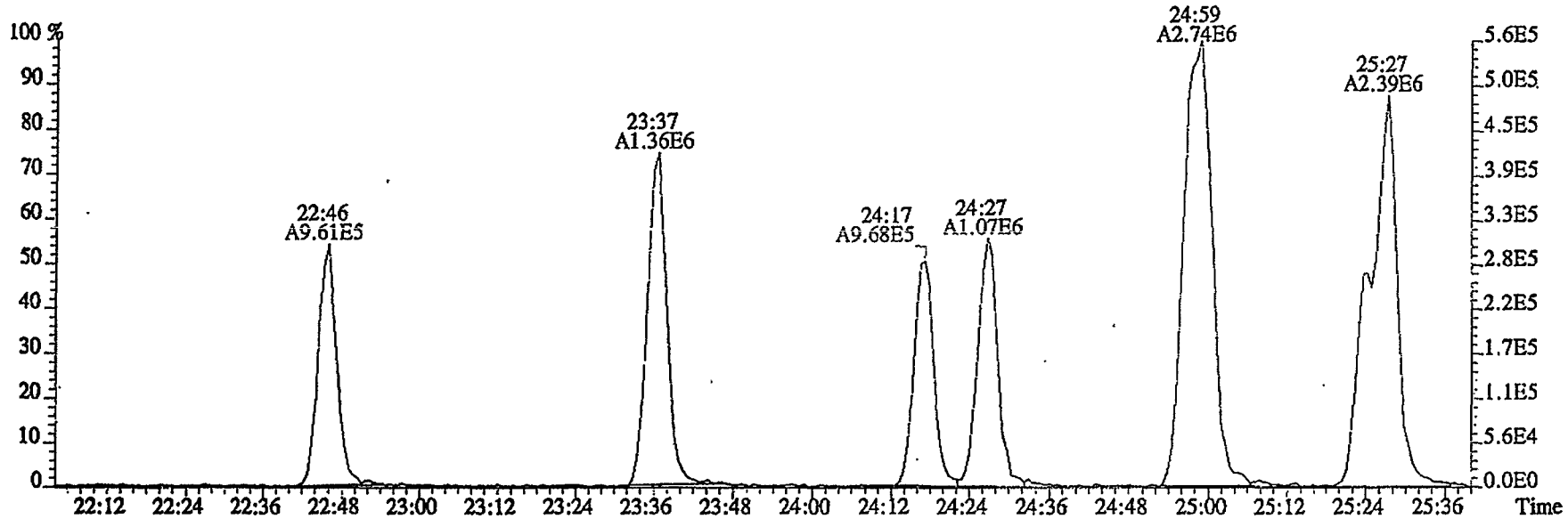
268.0016 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29276.0,0.00%,F,F)



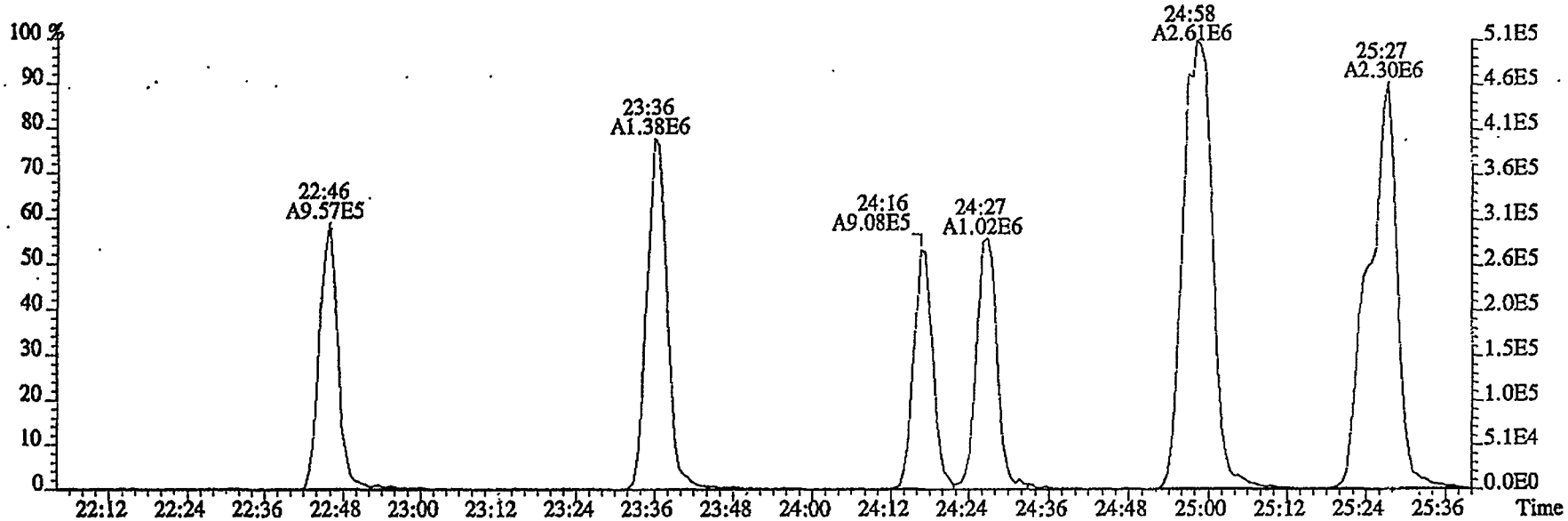
269.9986 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18060.0,0.00%,F,F)



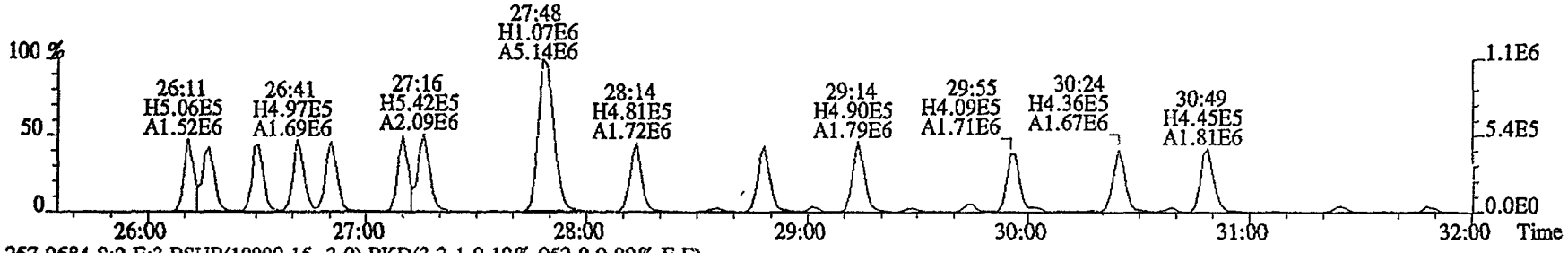
File:030929E1 #1-678 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
255.9613 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2204.0,0.00%,F,F)



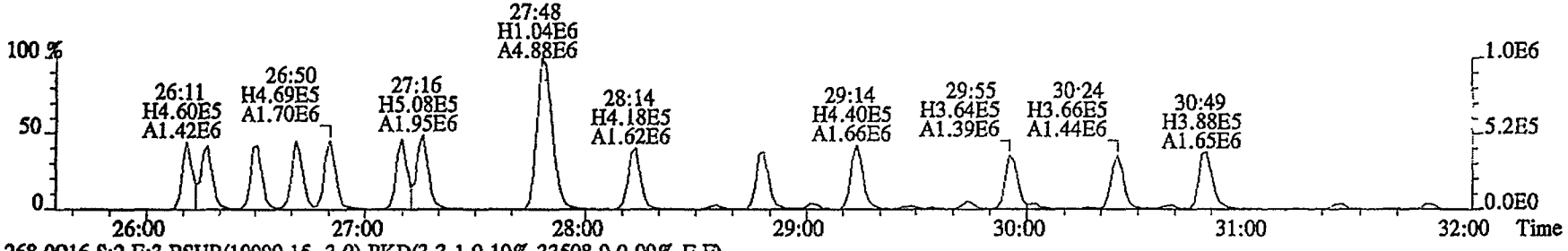
257.9584 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,488.0,0.00%,F,F)



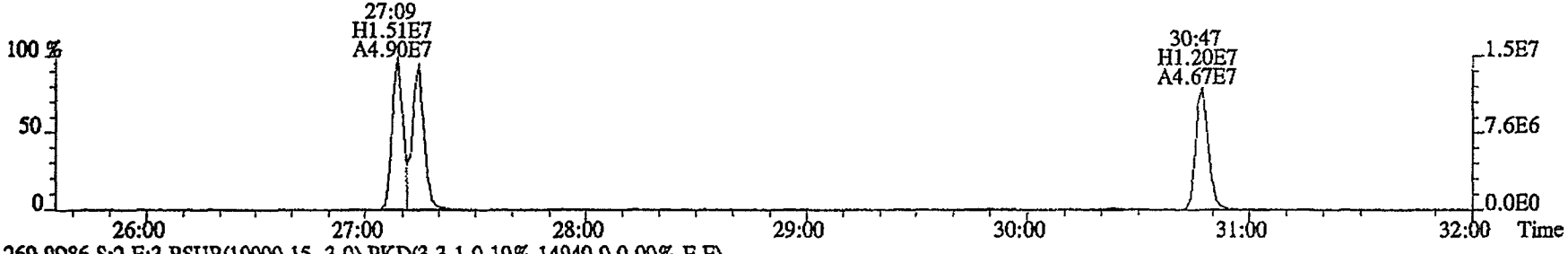
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
255.9613 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3436.0,0.00%,F,F)



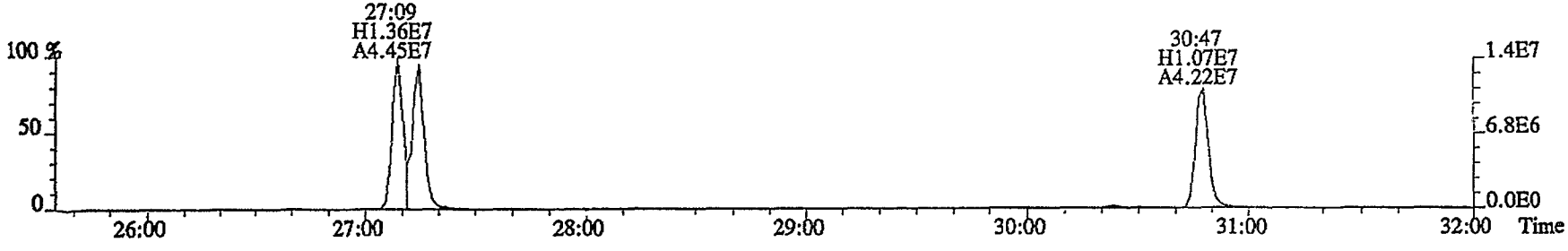
257.9584 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,952.0,0.00%,F,F)



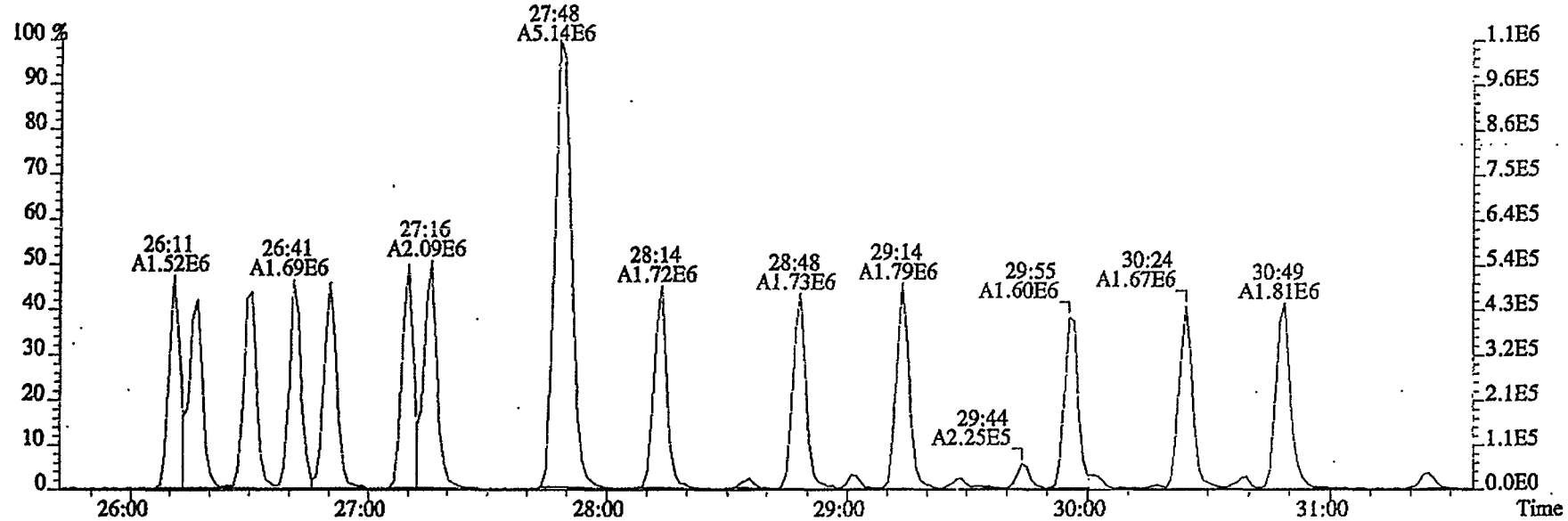
268.0016 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,33508.0,0.00%,F,F)



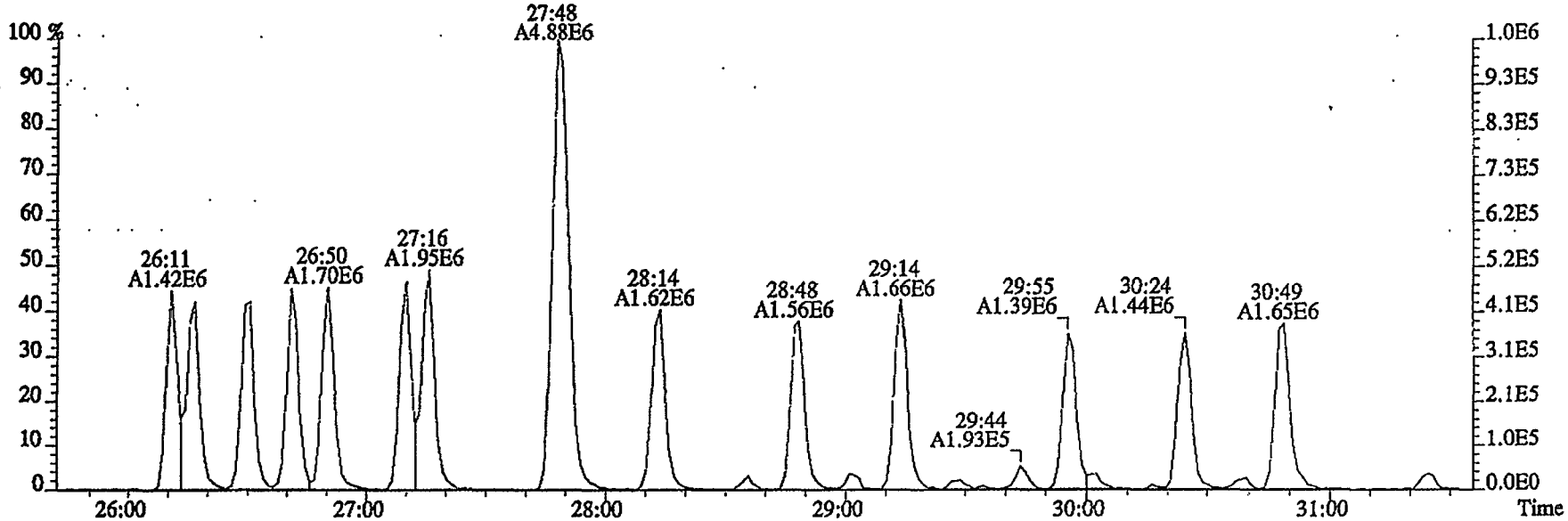
269.9986 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14940.0,0.00%,F,F)



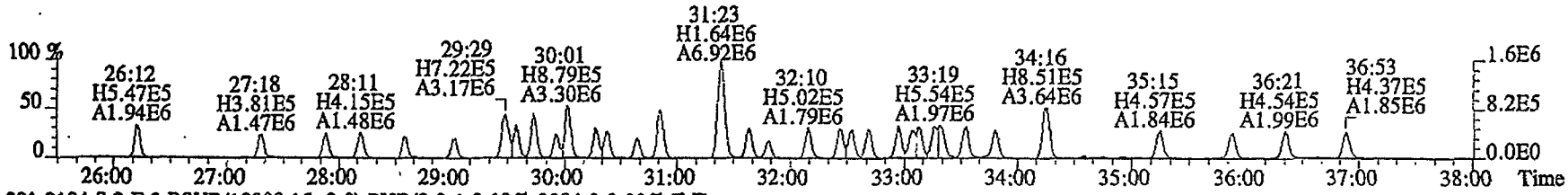
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
255.9613 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3436.0,0.00%,F,F)



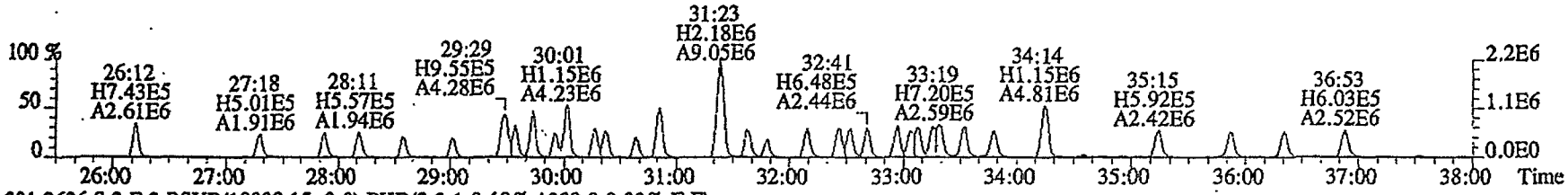
257.9584 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,952.0,0.00%,F,F)



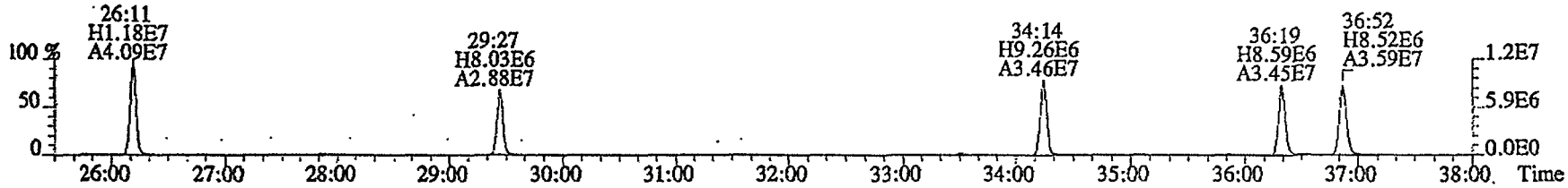
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



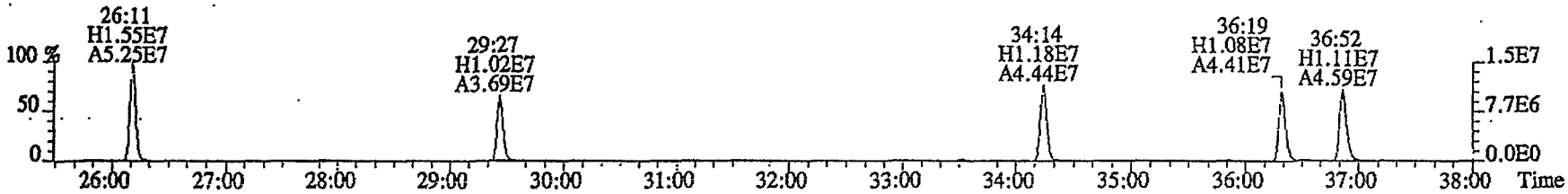
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2884.0,0.00%,F,F)



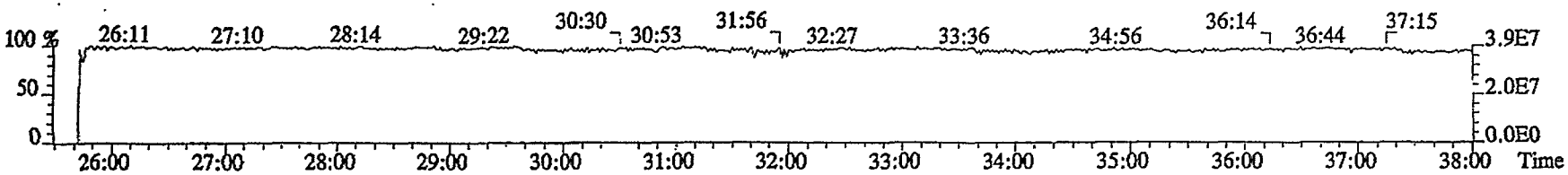
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1200.0,0.00%,F,F)



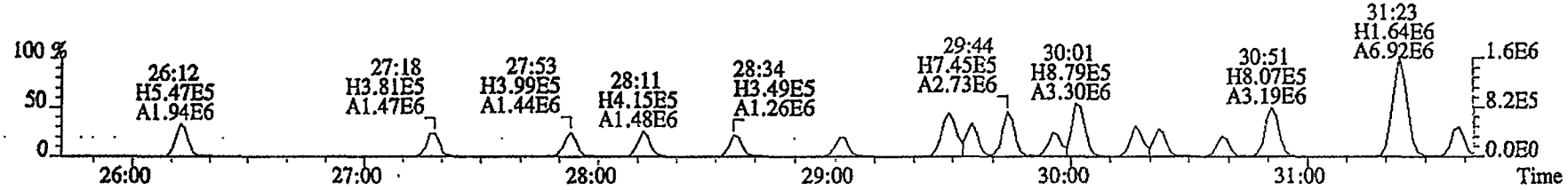
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



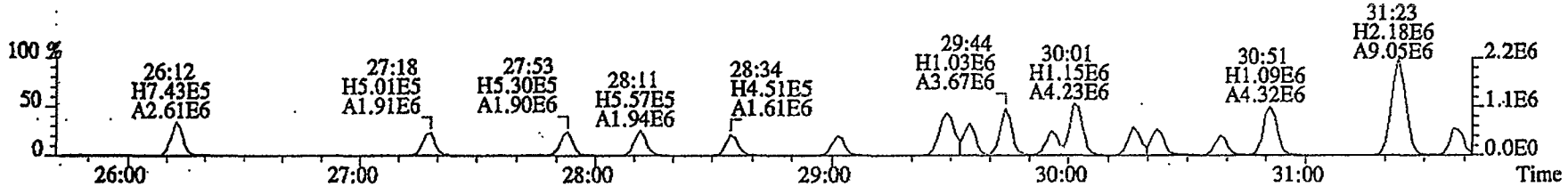
330.9792 S:2 F:3



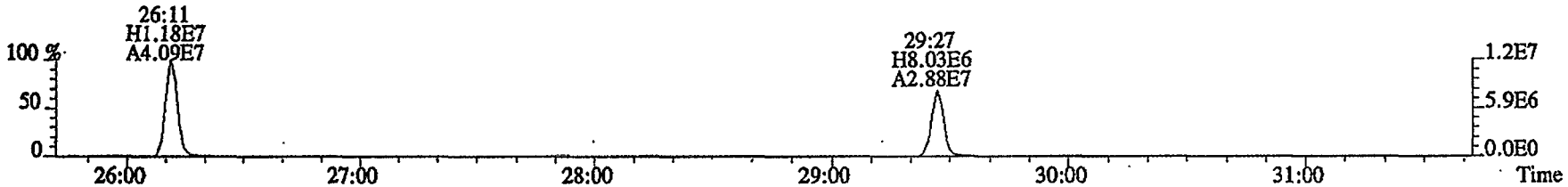
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



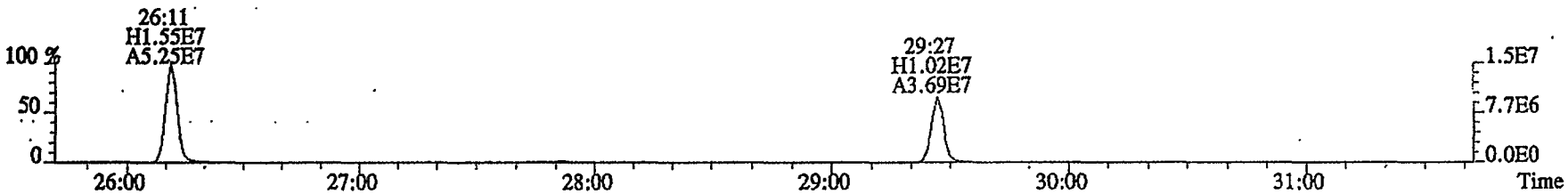
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2884.0,0.00%,F,F)



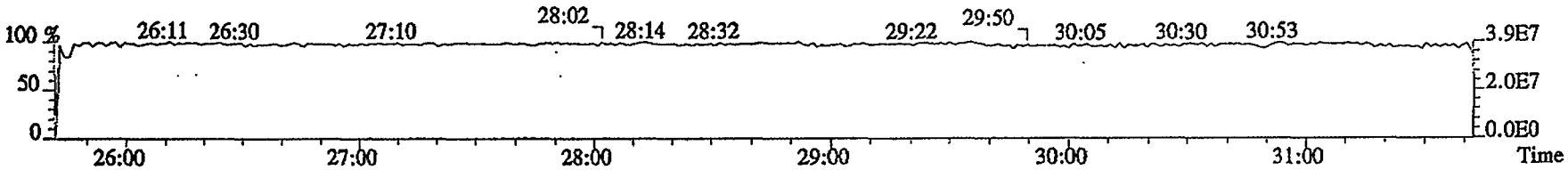
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1200.0,0.00%,F,F)



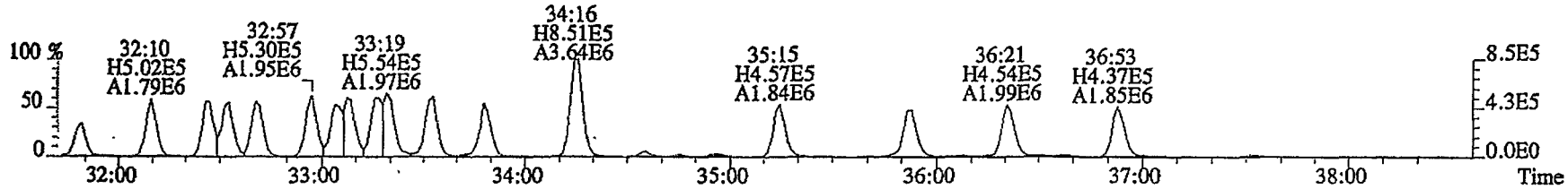
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



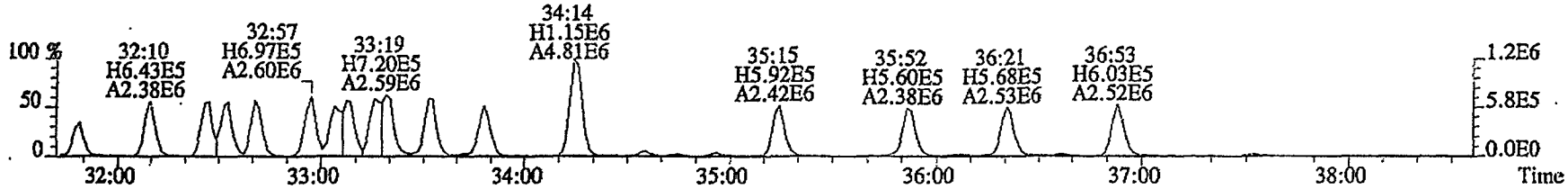
330.9792 S:2 F:3



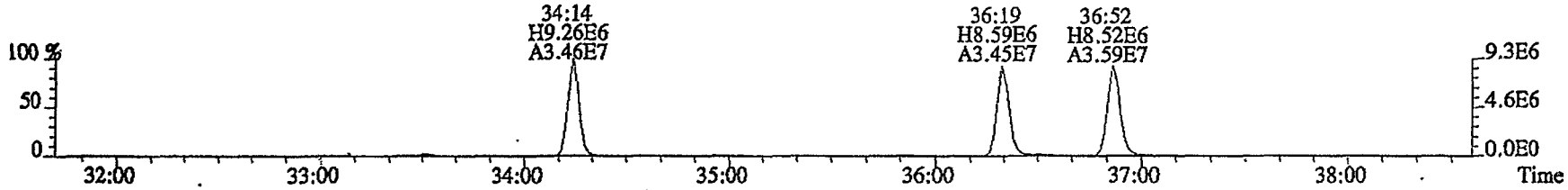
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
289.9224 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



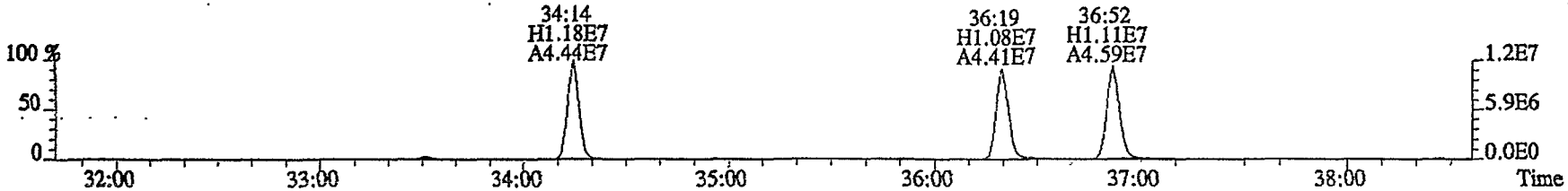
291.9194 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2884.0,0.00%,F,F)



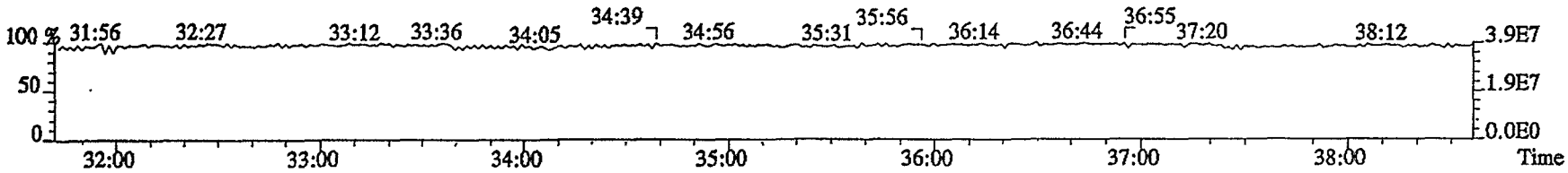
301.9626 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1200.0,0.00%,F,F)



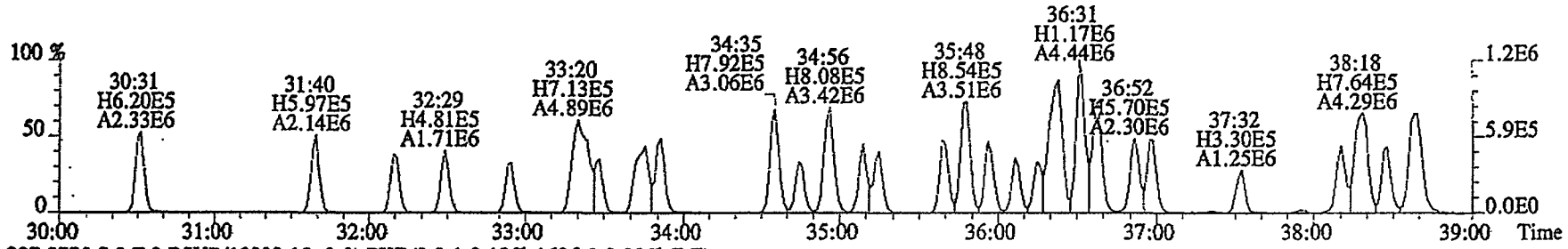
303.9597 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



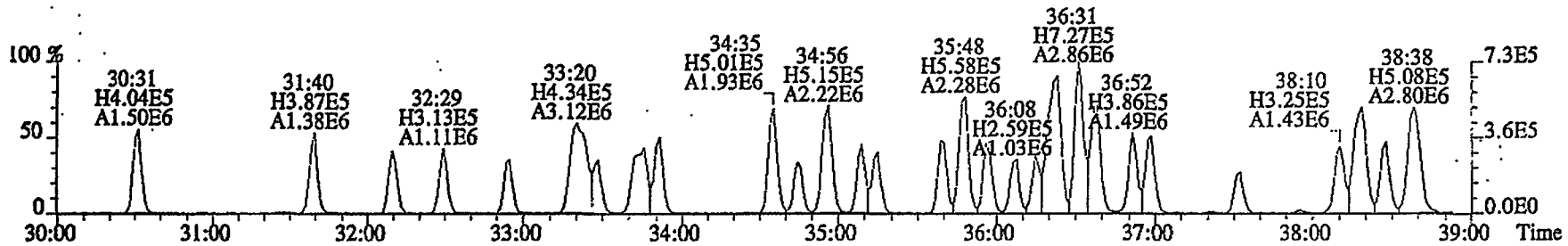
330.9792 S:2 F:3



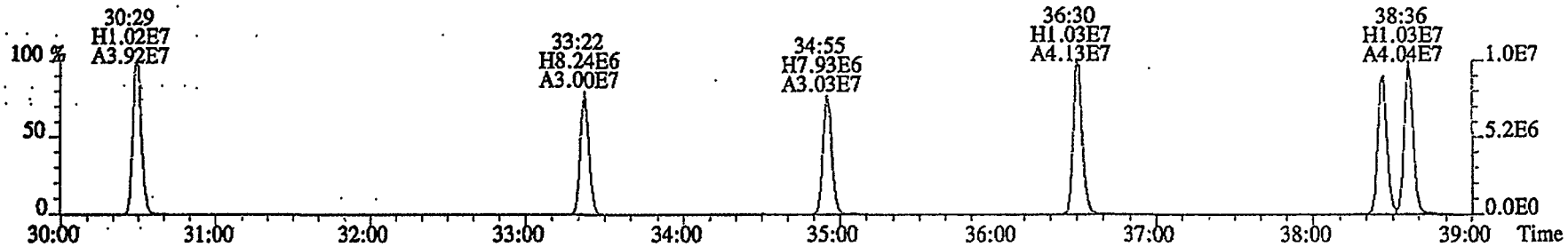
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



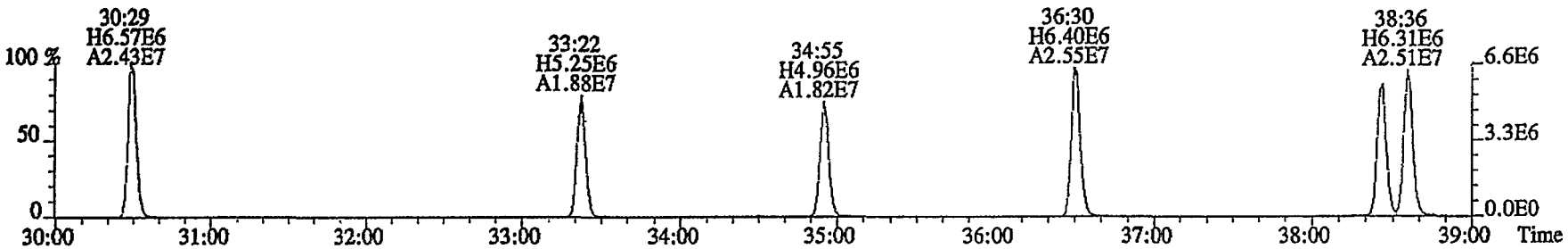
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1696.0,0.00%,F,F)



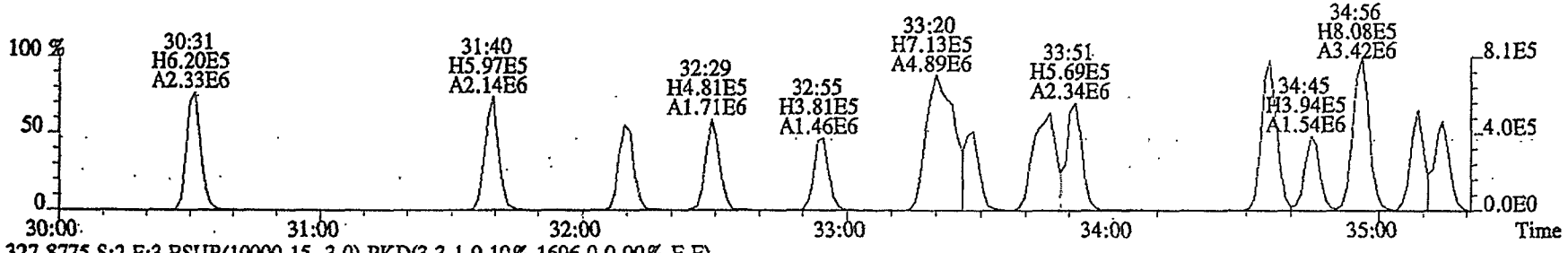
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,384.0,0.00%,F,F)



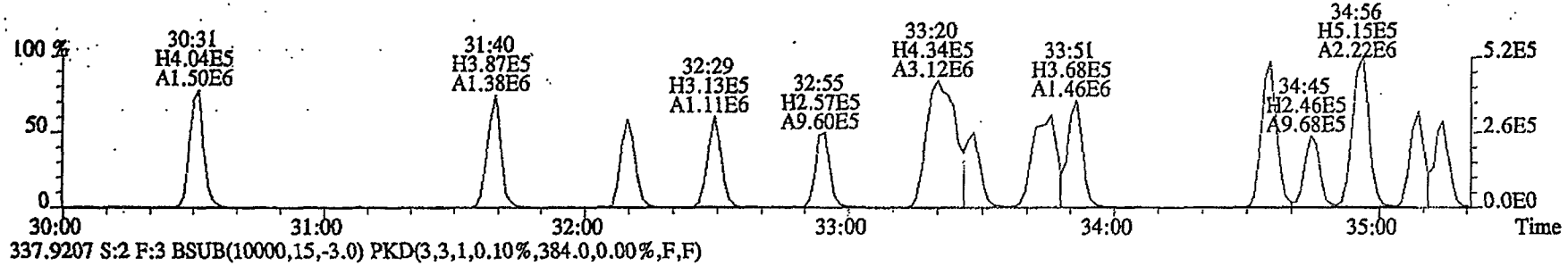
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



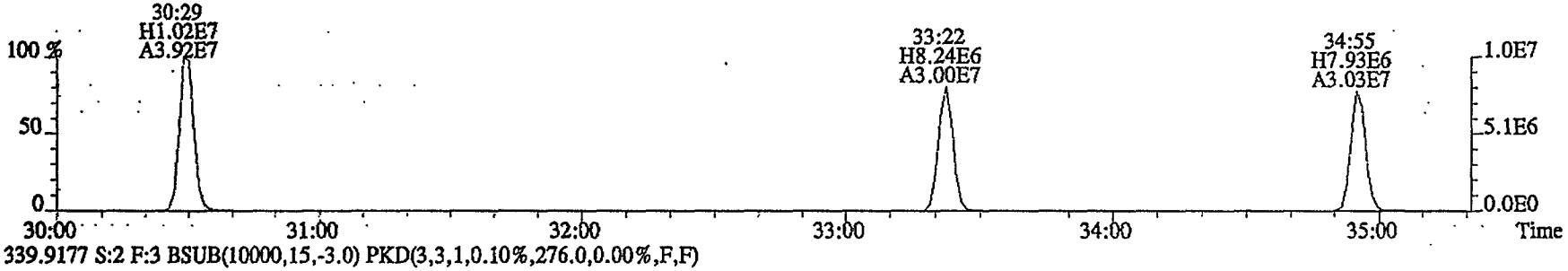
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



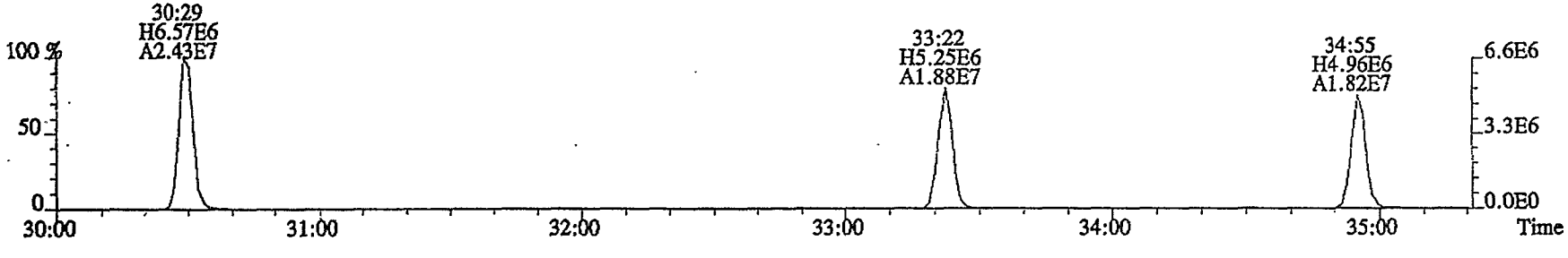
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1696.0,0.00%,F,F)



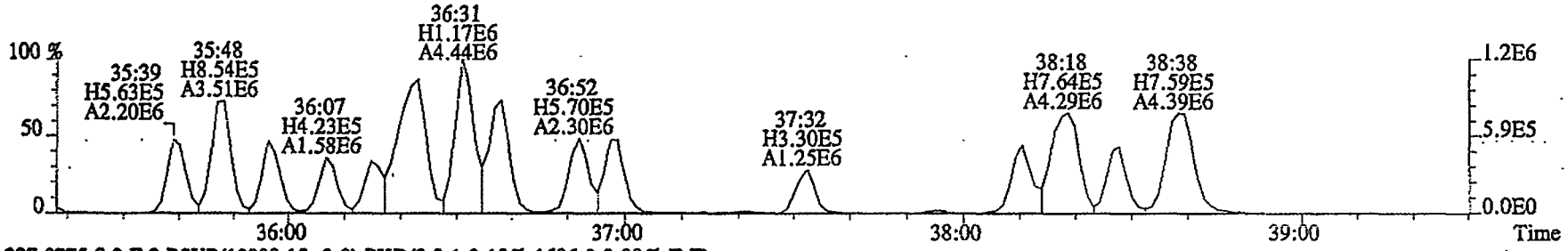
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,384.0,0.00%,F,F)



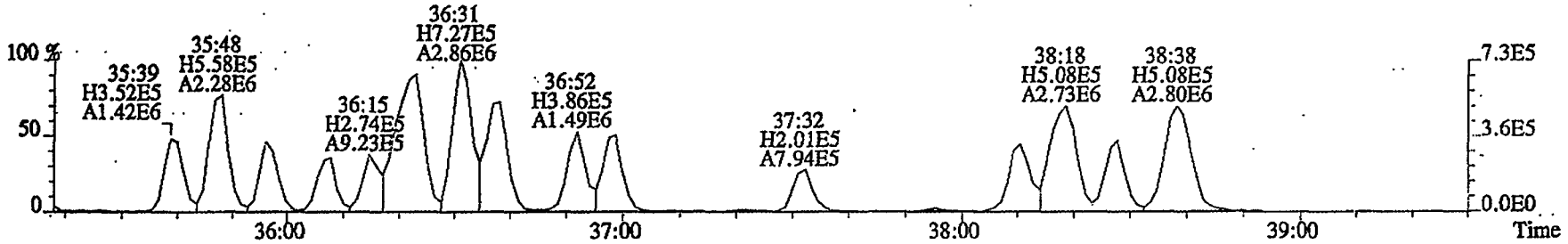
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



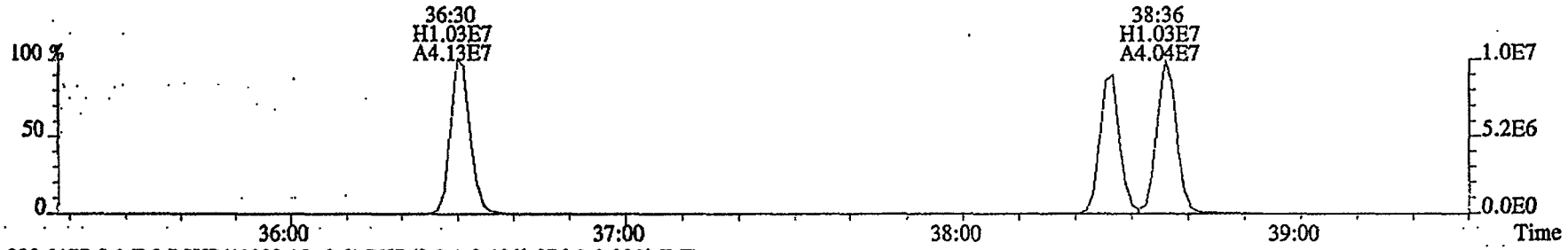
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
325.8804 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



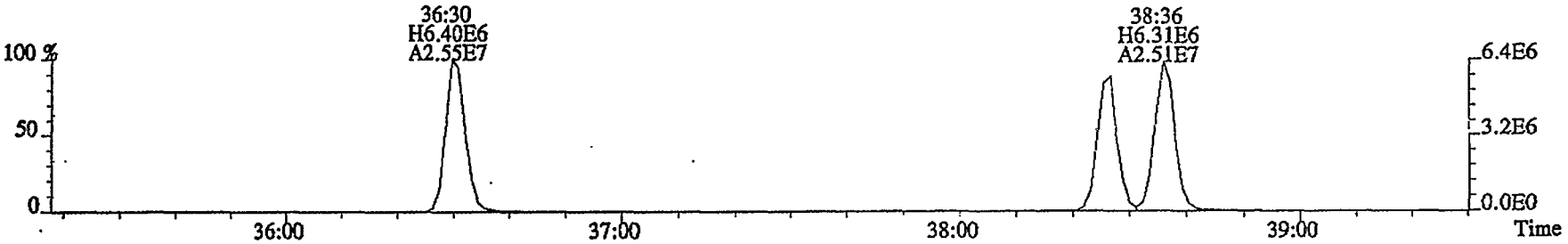
327.8775 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1696.0,0.00%,F,F)



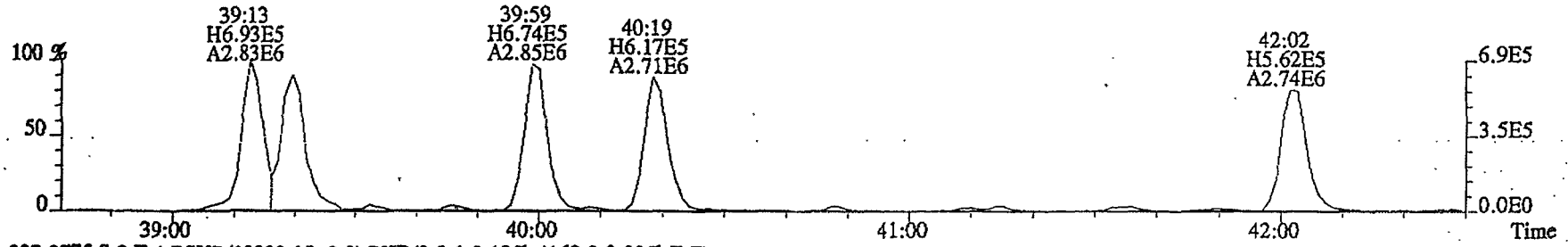
337.9207 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,384.0,0.00%,F,F)



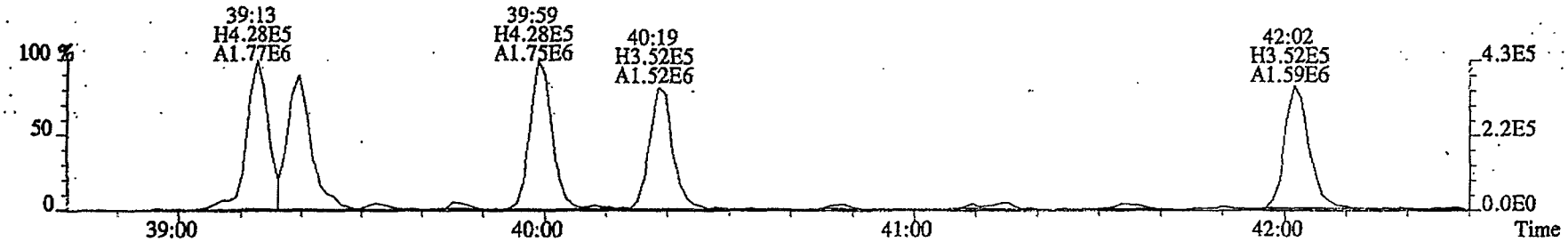
339.9177 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



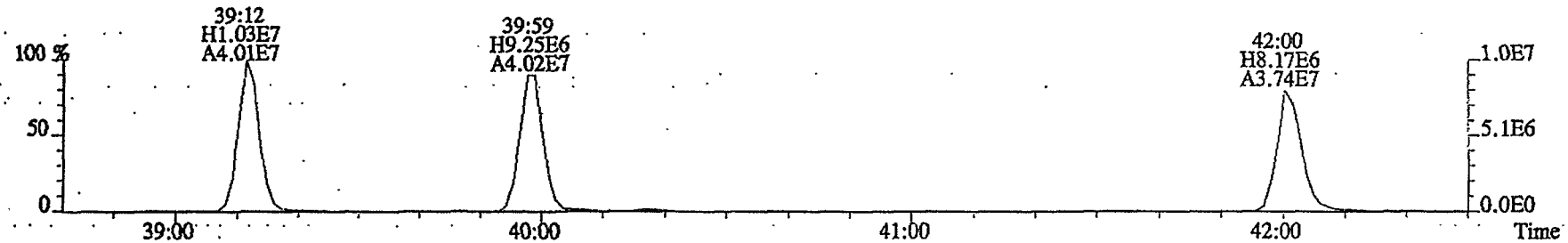
File:030929E1 #1-503 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
325.8804 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1724.0,0.00%,F,F)



327.8775 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4168.0,0.00%,F,F)

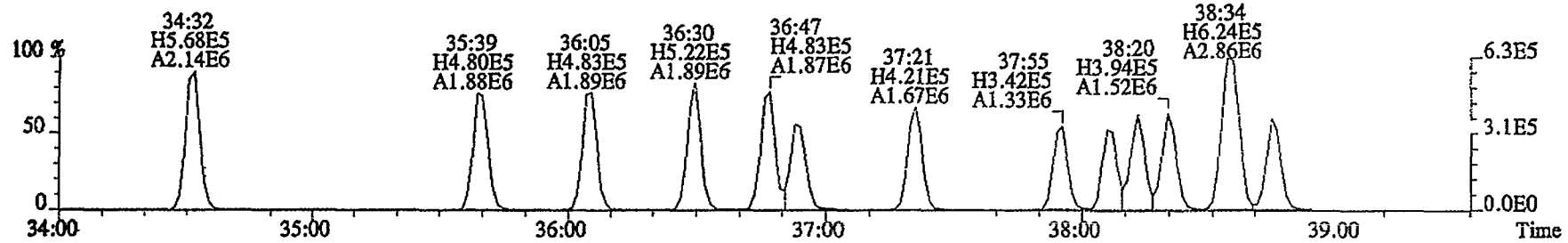


337.9207 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4356.0,0.00%,F,F)

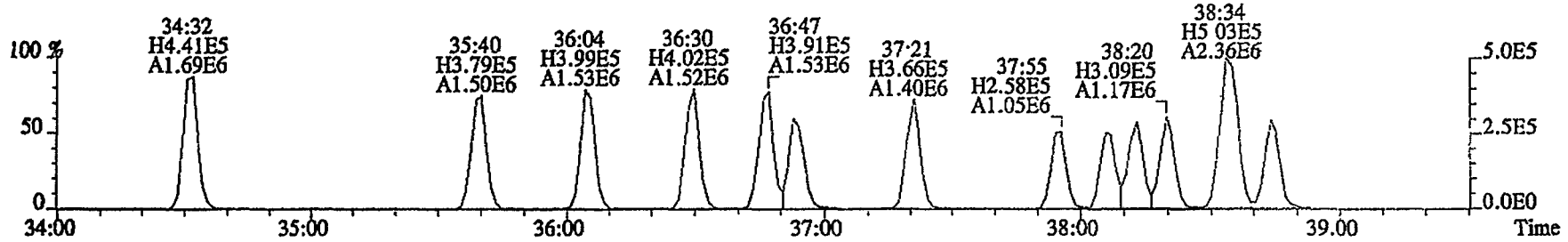


339.9177 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3284.0,0.00%,F,F)

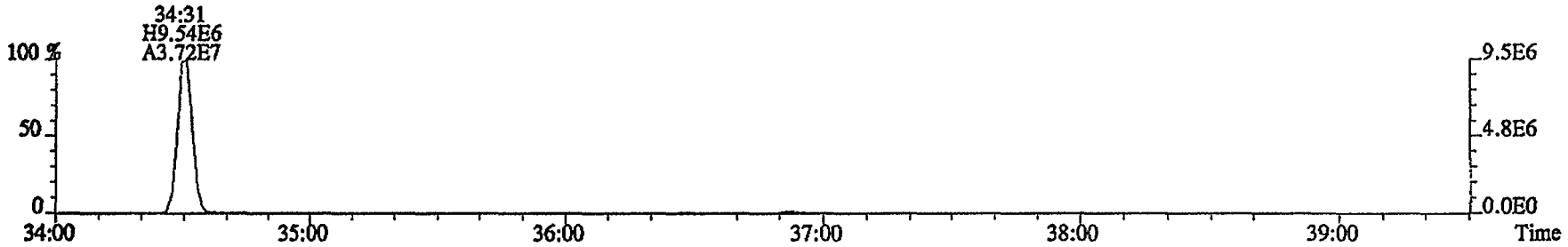
File:030929E1 #1-685 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
359.8415 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,256.0,0.00%,F,F)



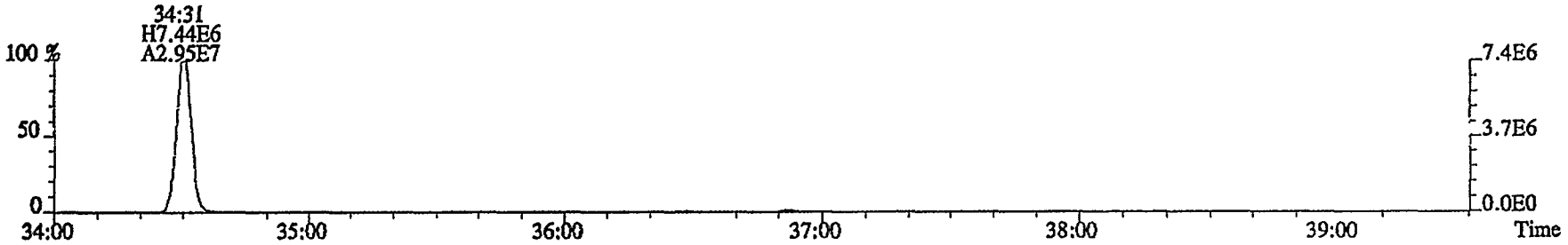
361.8385 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,236.0,0.00%,F,F)



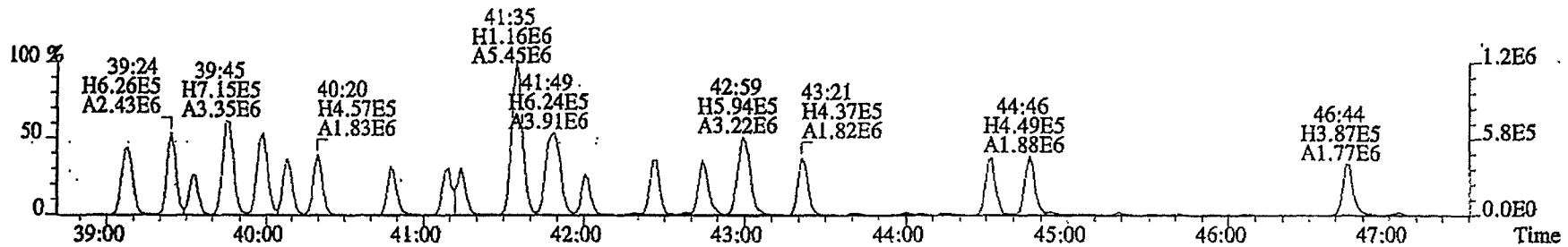
371.8817 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,236.0,0.00%,F,F)



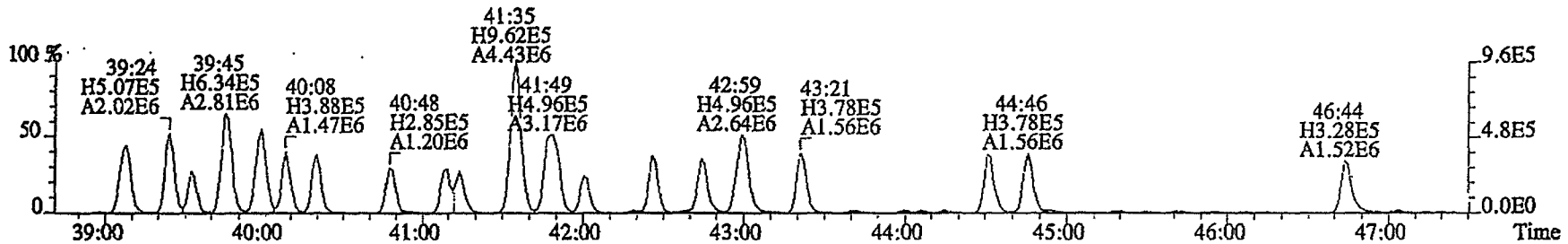
373.8788 S:2 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,248.0,0.00%,F,F)



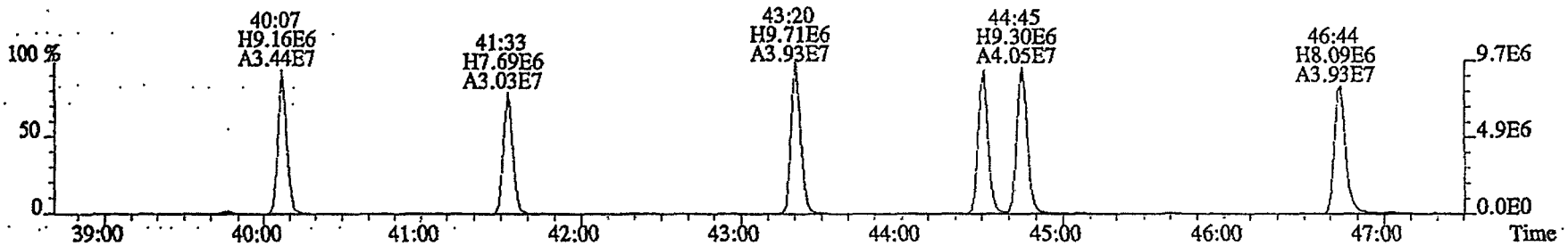
File:030929E1 #1-503 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
359.8415 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2960.0,0.00%,F,F)



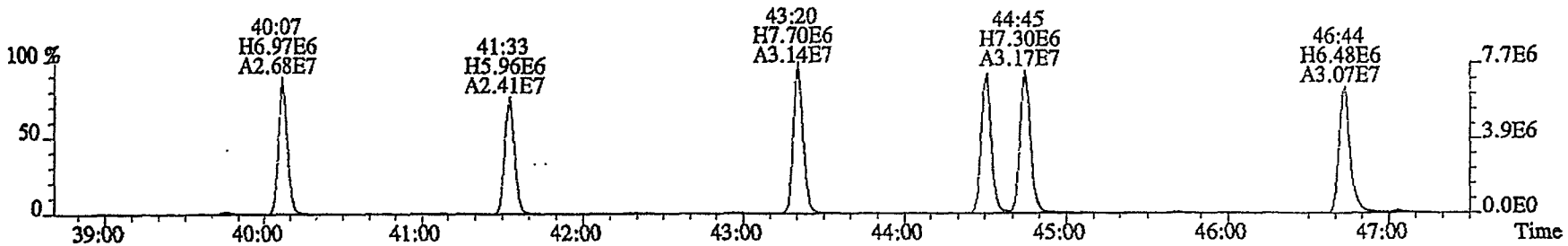
361.8385 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1544.0,0.00%,F,F)



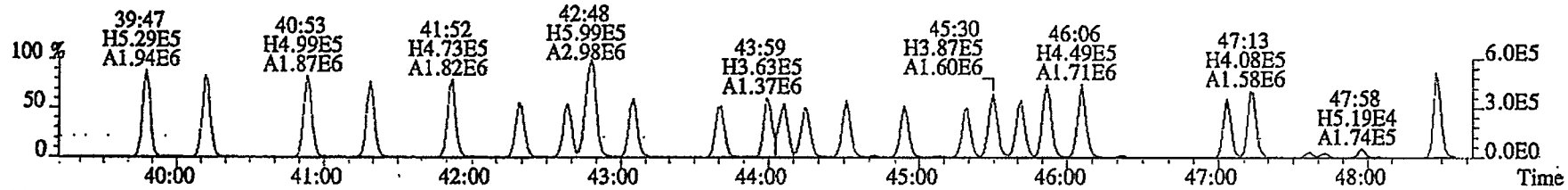
371.8817 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4280.0,0.00%,F,F)



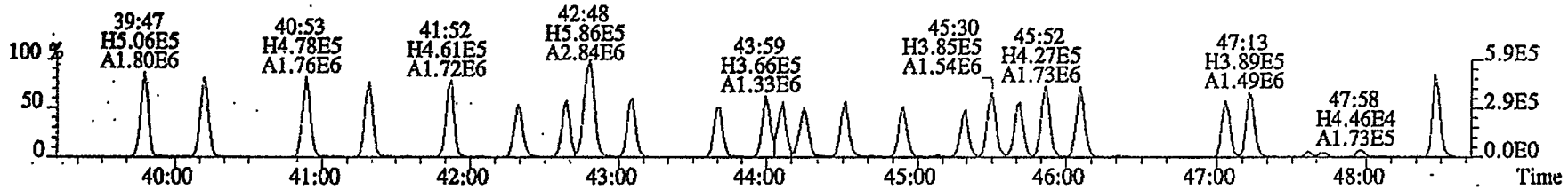
373.8788 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3524.0,0.00%,F,F)



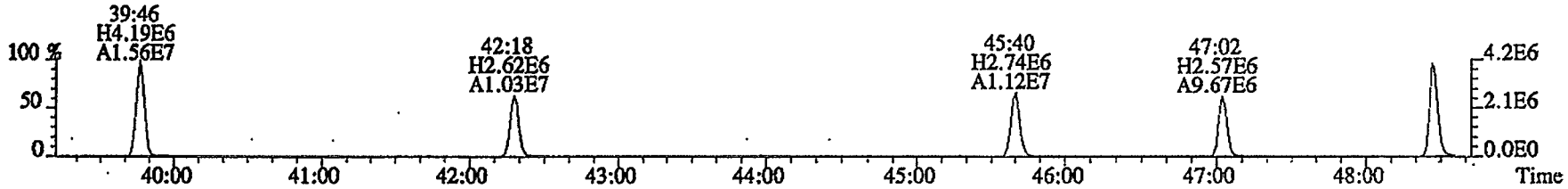
File:030929E1 #1-503 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
393.8025 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1336.0,0.00%,F,F)



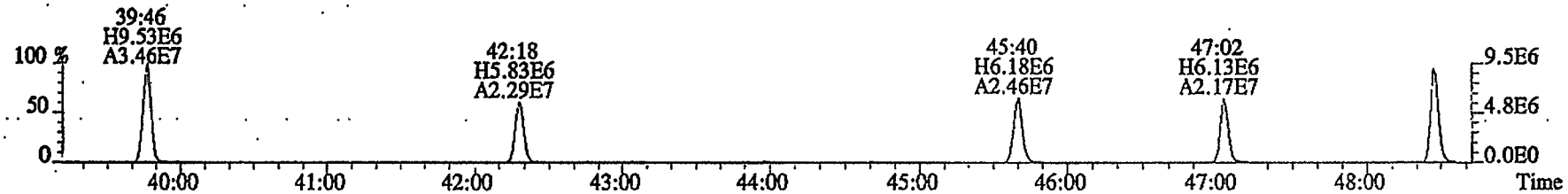
395.7995 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,532.0,0.00%,F,F)



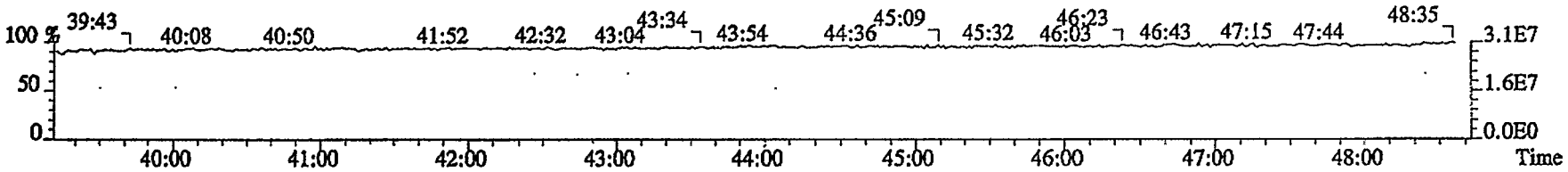
403.8457 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,292.0,0.00%,F,F)



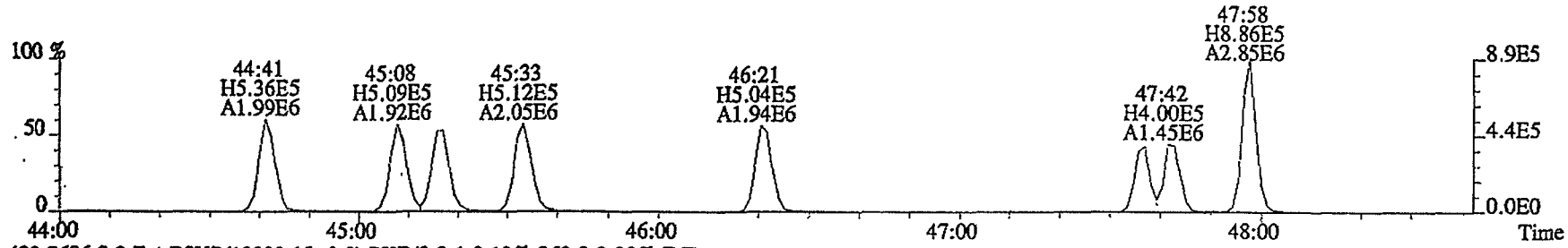
405.8428 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



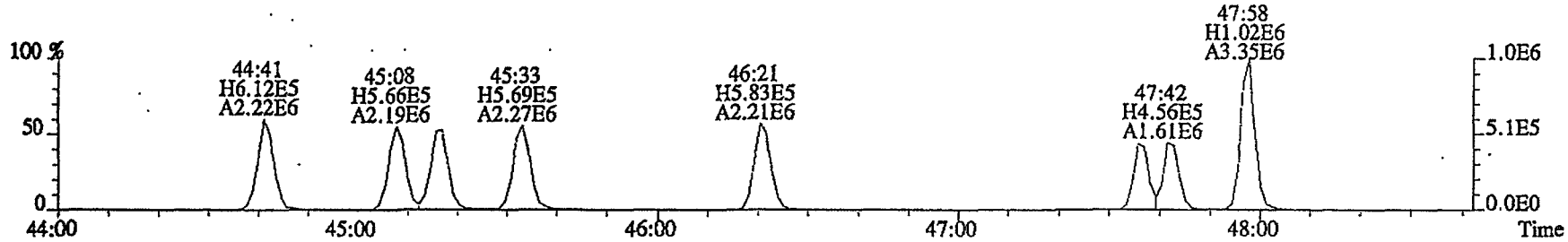
380.9760 S:2 F:4



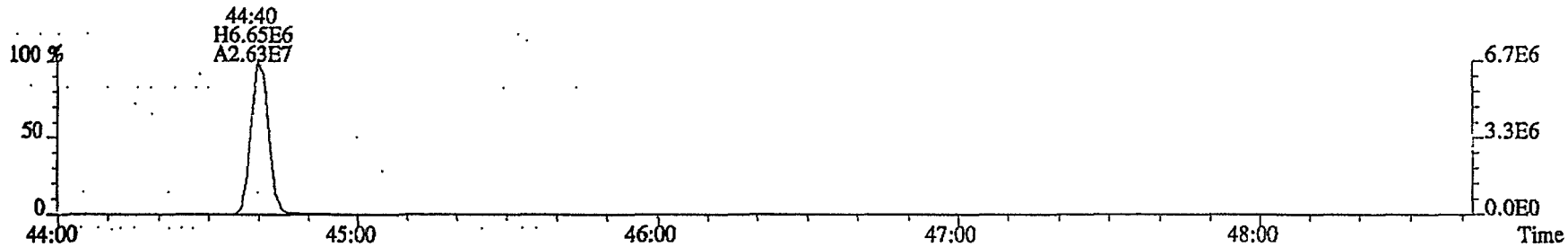
File:030929E1 #1-503 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
427.7635 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



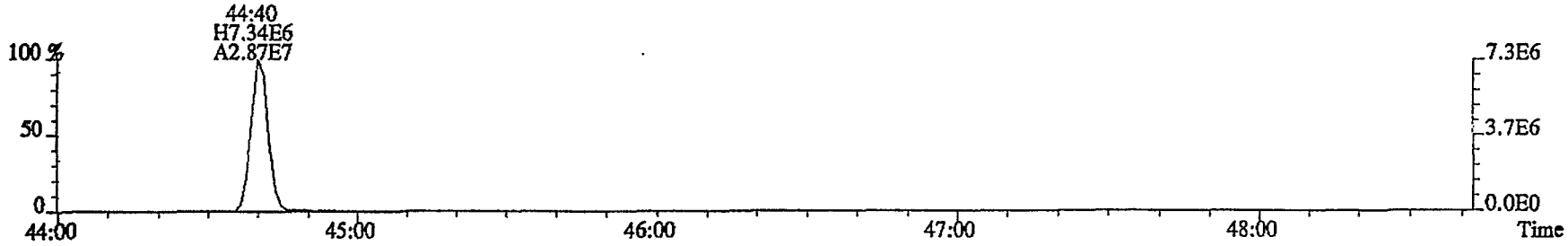
429.7606 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



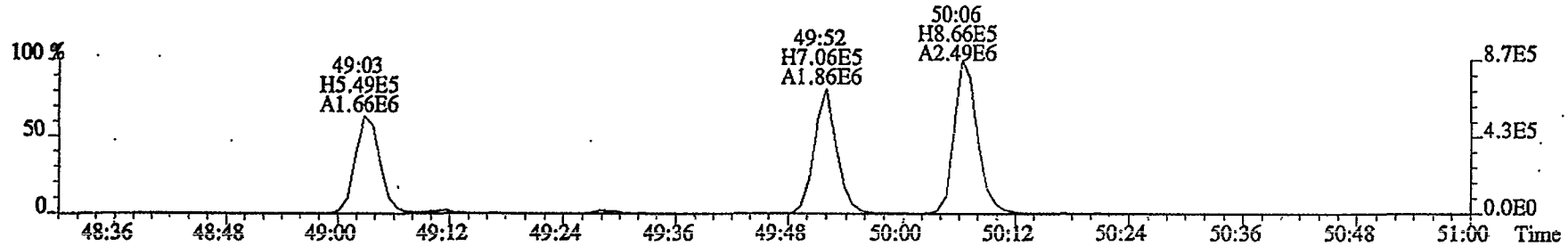
439.8038 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



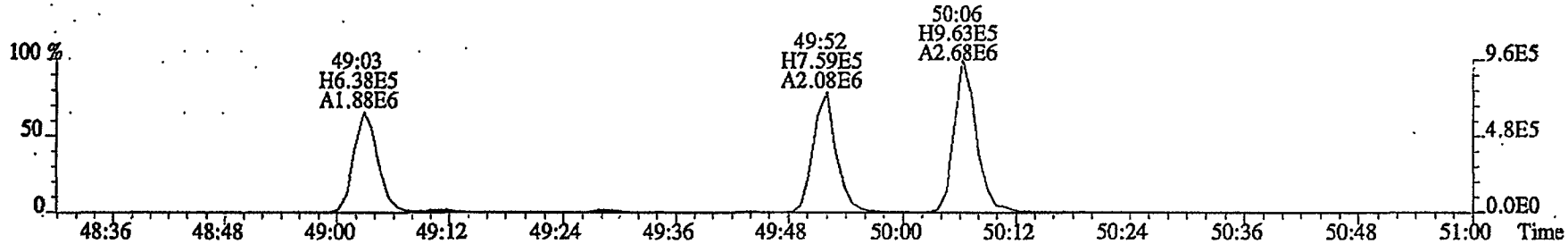
441.8008 S:2 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



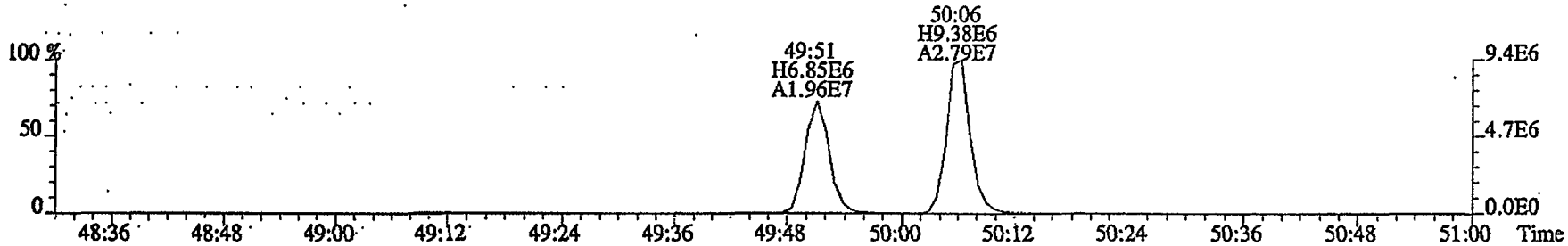
File:030929E1 #1-429 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
427.7635 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,280.0,0.00%,F,F)



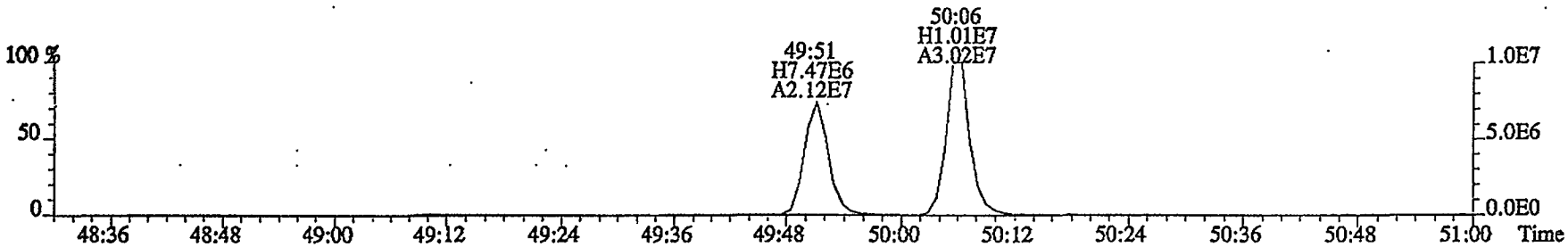
429.7606 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,484.0,0.00%,F,F)



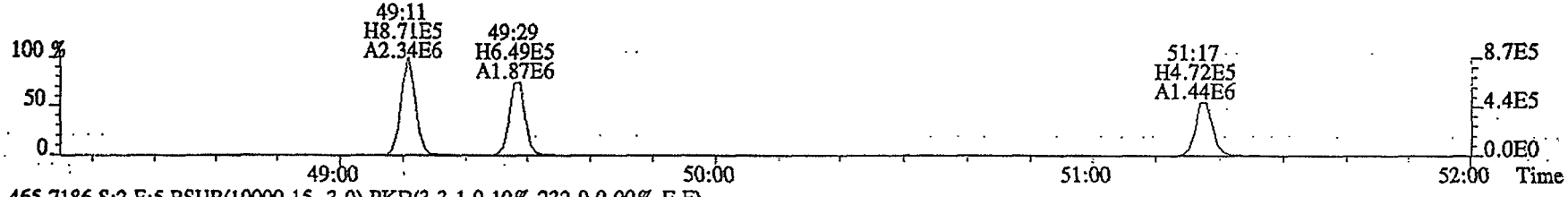
439.8038 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,292.0,0.00%,F,F)



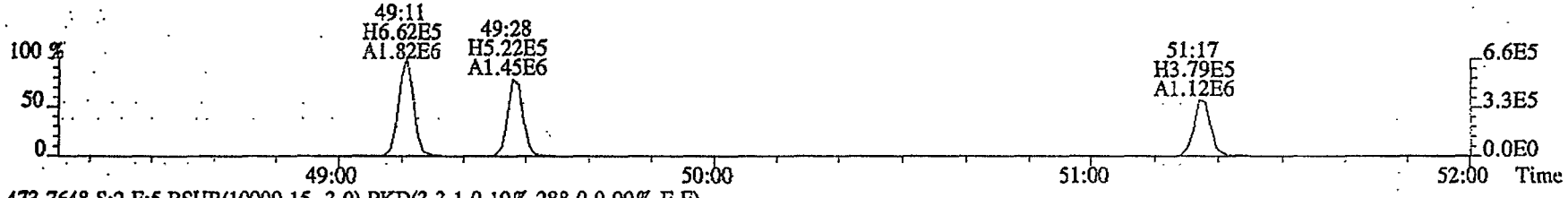
441.8008 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



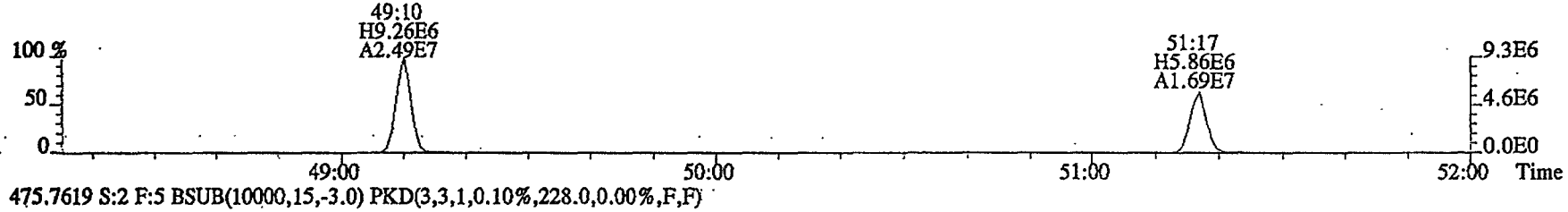
File:030929E1 #1-429 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
463.7216 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,220.0,0.00%,F,F)



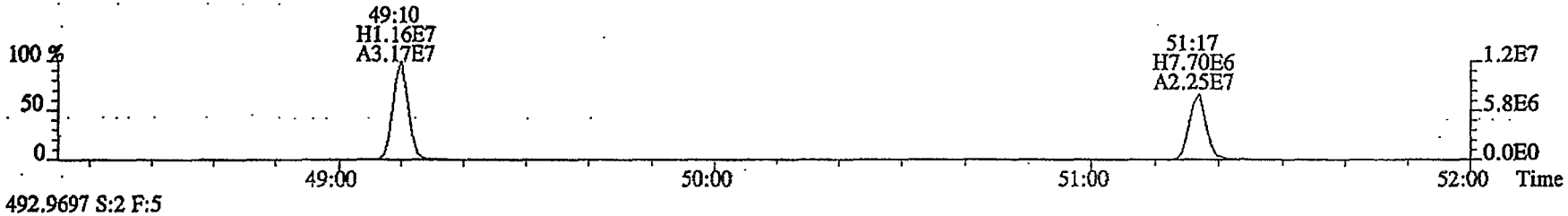
465.7186 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



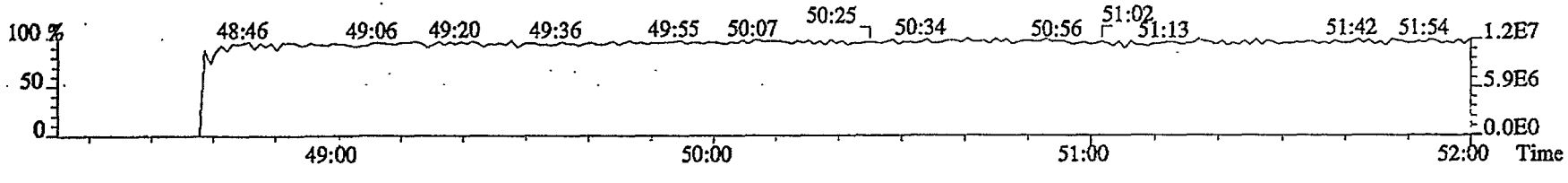
473.7648 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



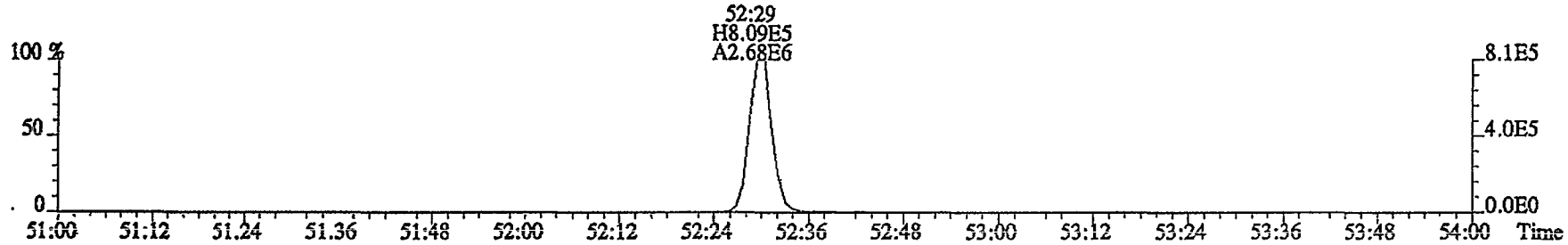
475.7619 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



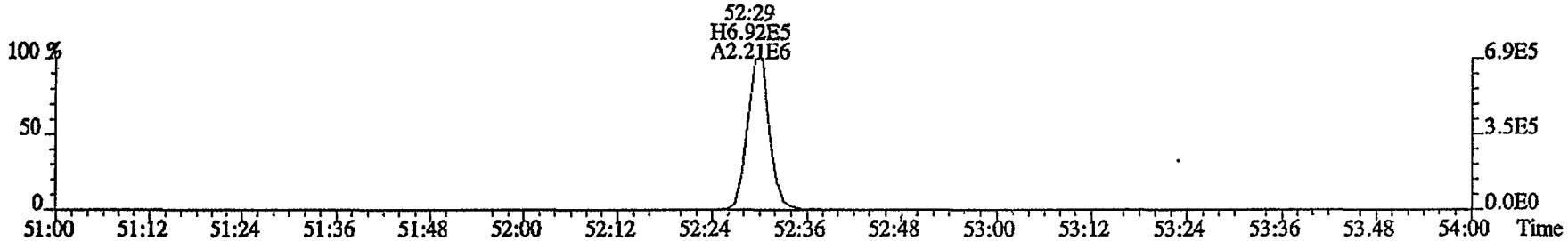
492.9697 S:2 F:5



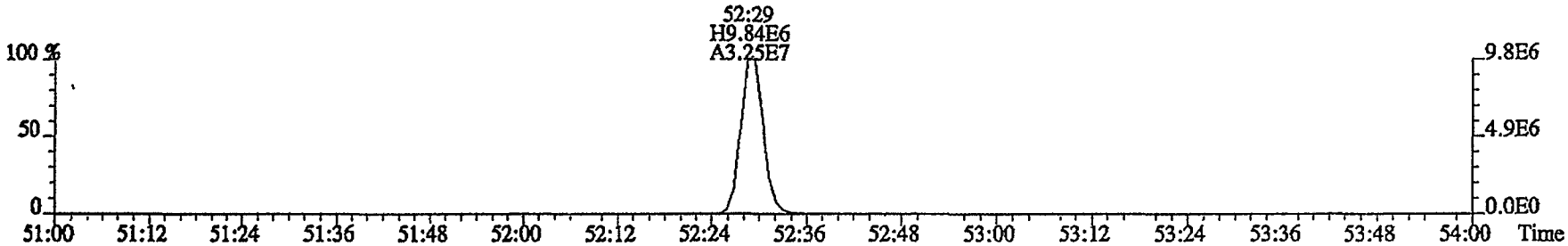
File:030929E1 #1-429 Acq:29-SEP-2003 13:06:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Alta Analytical Laboratory Text:ST030929E1-2 PCB 209 CS2 030916F Exp:PCB_DB1
497.6826 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



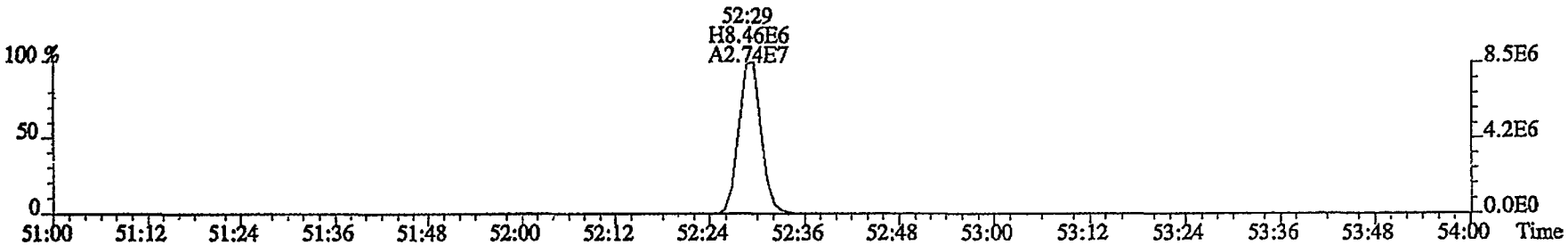
499.6797 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



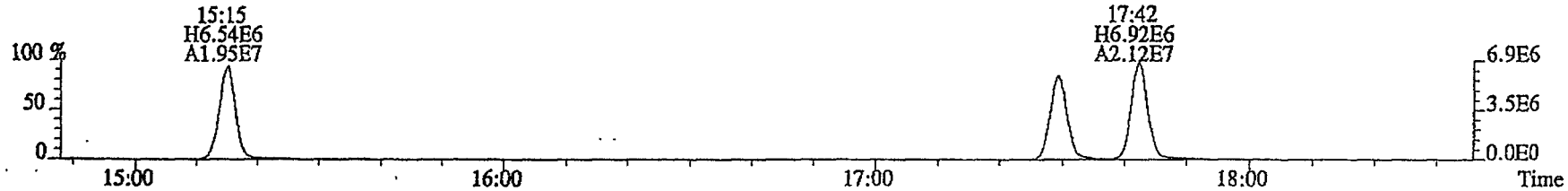
509.7229 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,248.0,0.00%,F,F)



511.7199 S:2 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)

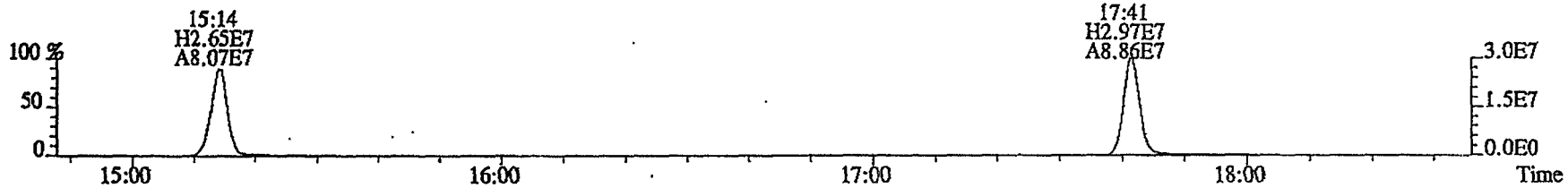


File:030929E1 #1-728 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
188.0393 S:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3164.0,0.00%,F,F)

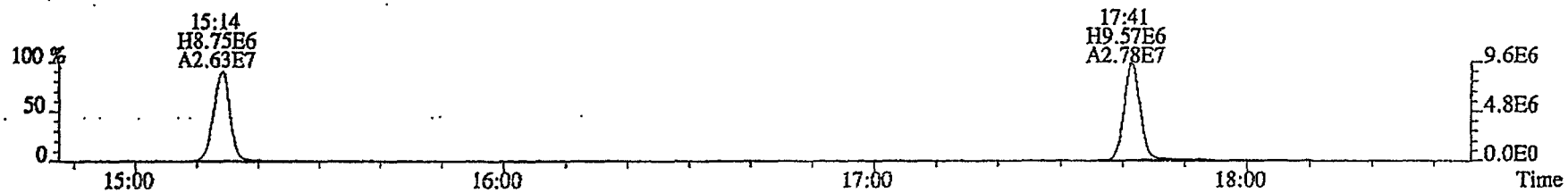


190.0363 S:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1796.0,0.00%,F,F)

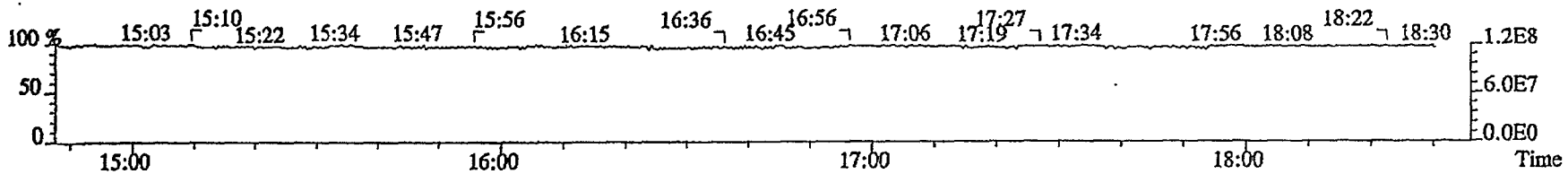
200.0795 S:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3604.0,0.00%,F,F)



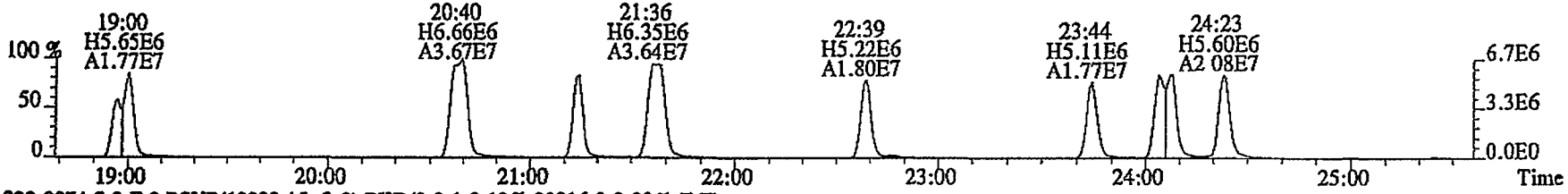
202.0766 S:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29824.0,0.00%,F,F)



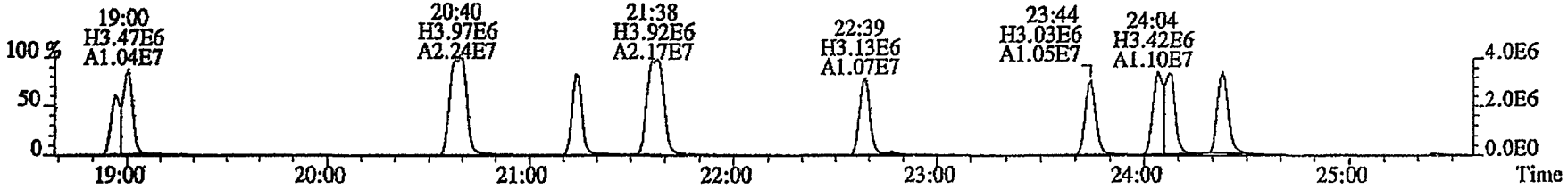
180.9880 S:3



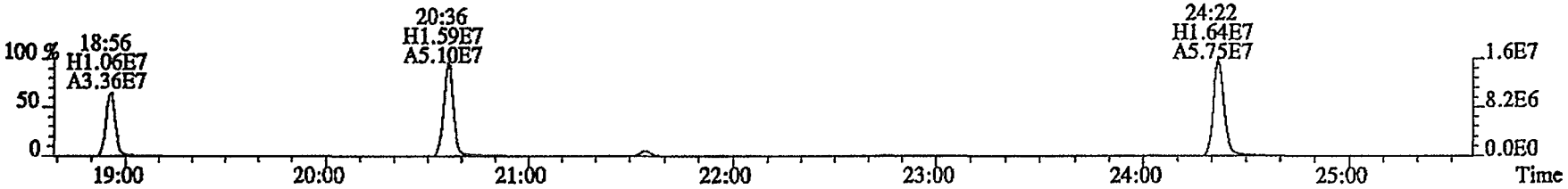
File:030929E1 #1-678 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4368.0,0.00%,F,F)



223.9974 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,23016.0,0.00%,F,F)

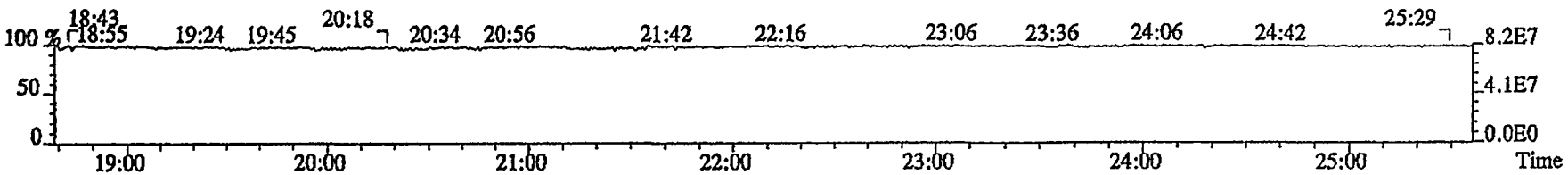


234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2100.0,0.00%,F,F)

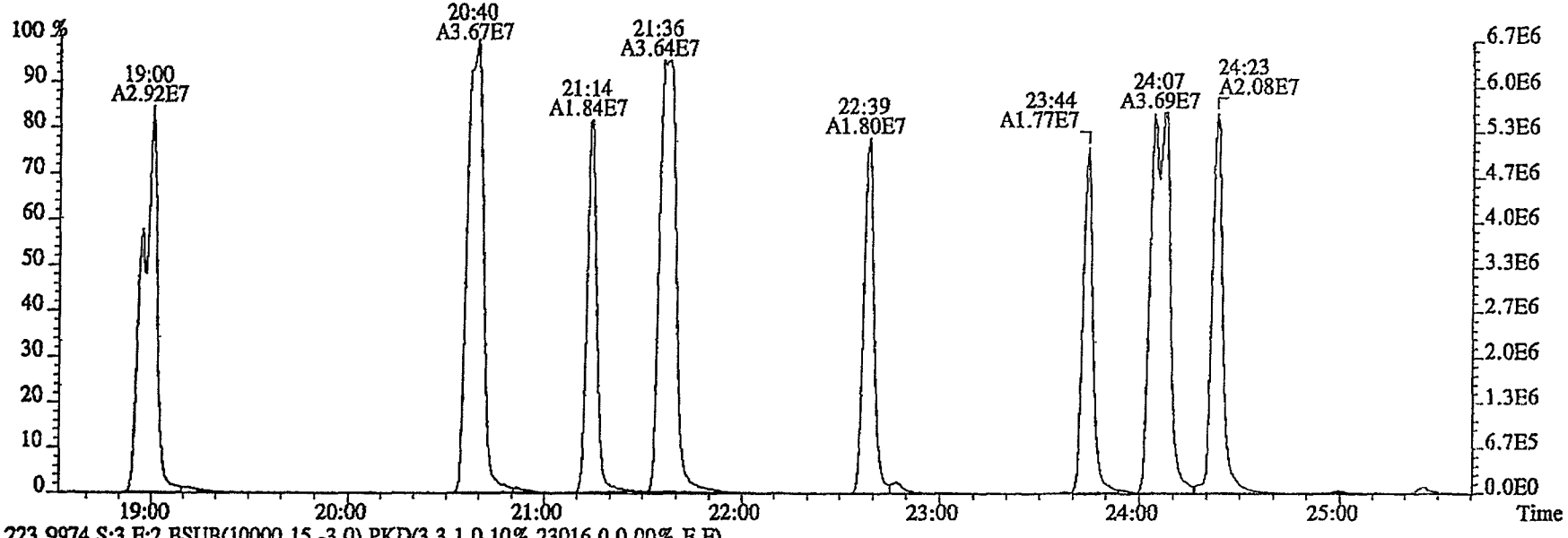


236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1916.0,0.00%,F,F)

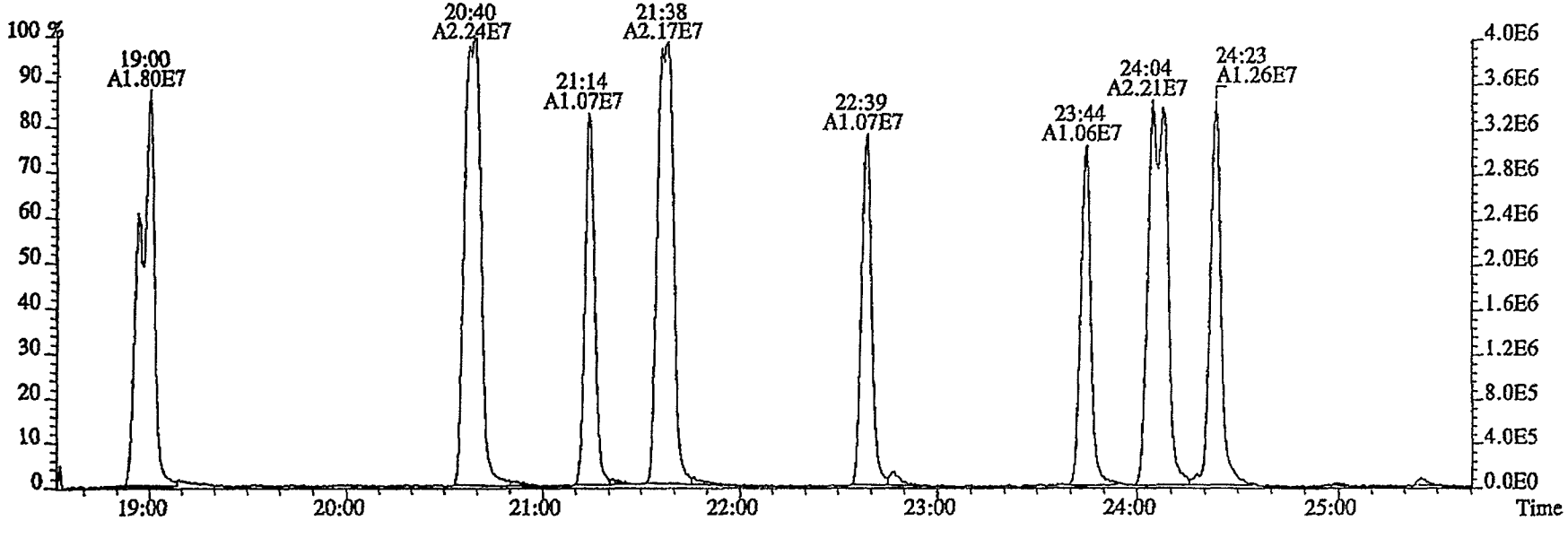
230.9856 S:3 F:2



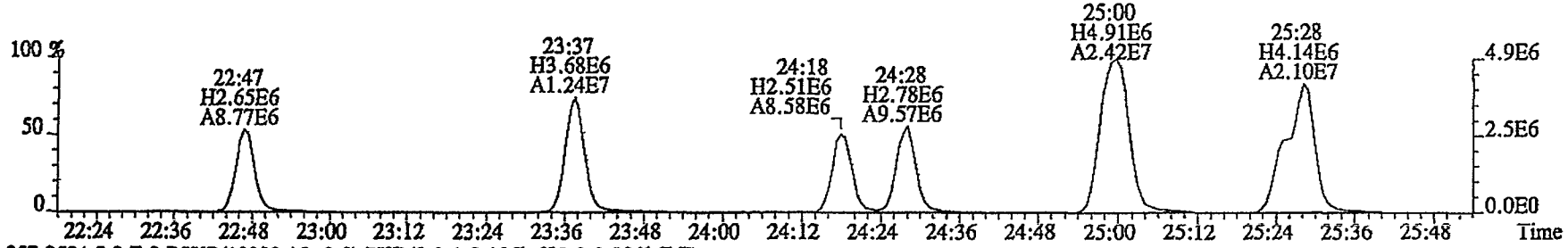
File:030929E1 #1-678 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4368.0,0.00%,F,F)



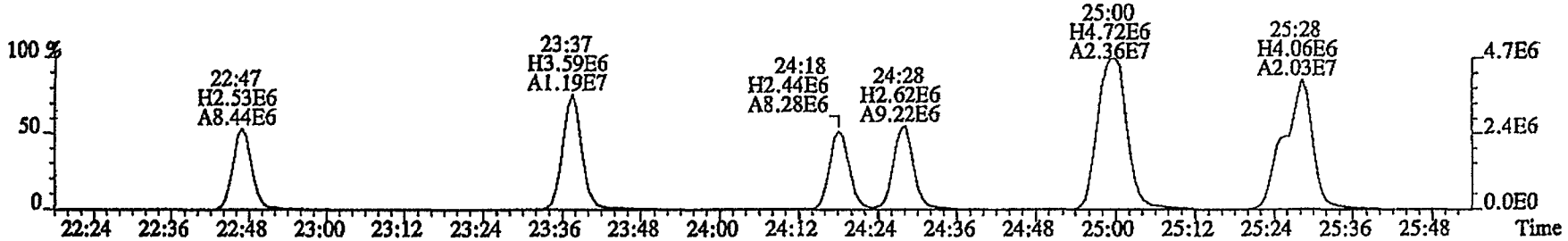
223.9974 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,23016.0,0.00%,F,F)



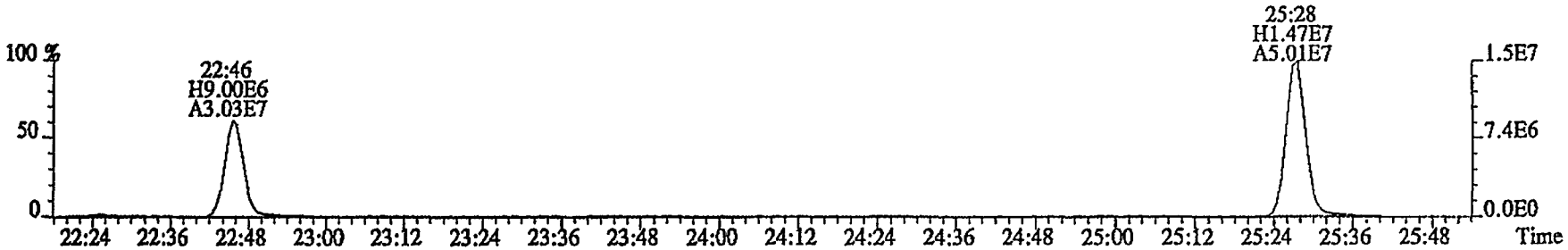
File:030929E1 #1-678 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2488.0,0.00%,F,F)



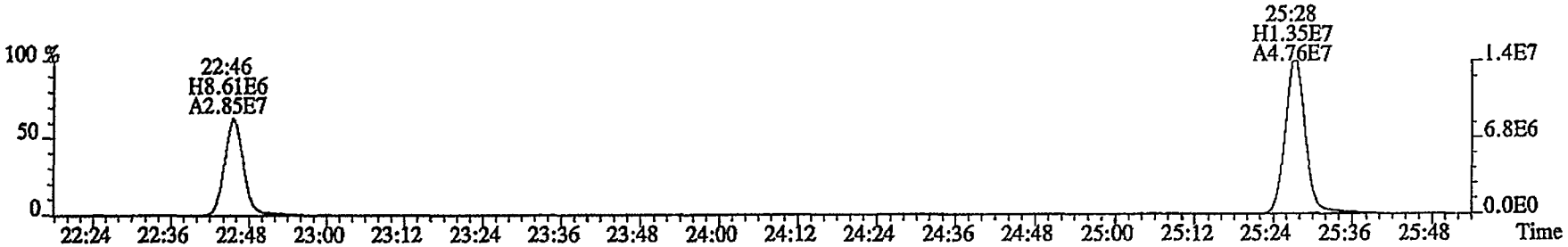
257.9584 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,688.0,0.00%,F,F)



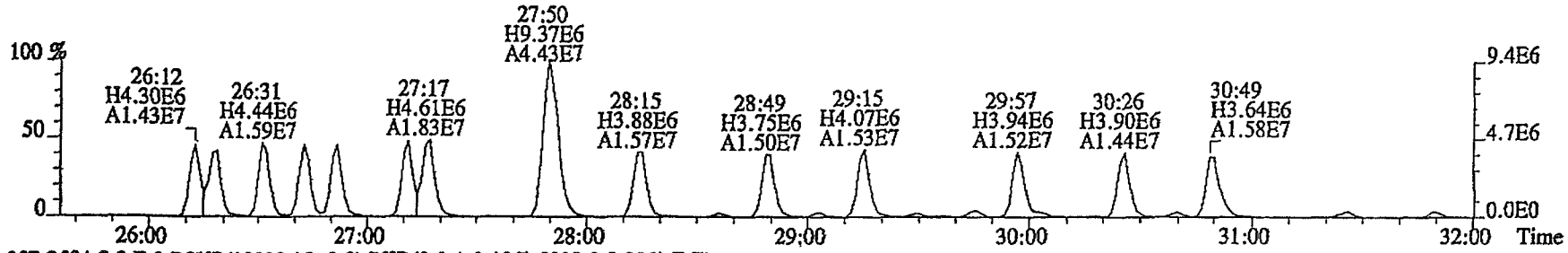
268.0016 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,32904.0,0.00%,F,F)



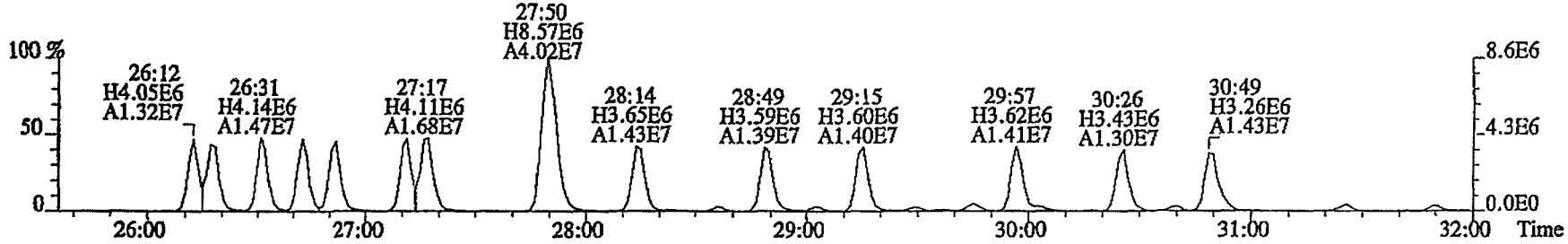
269.9986 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17480.0,0.00%,F,F)



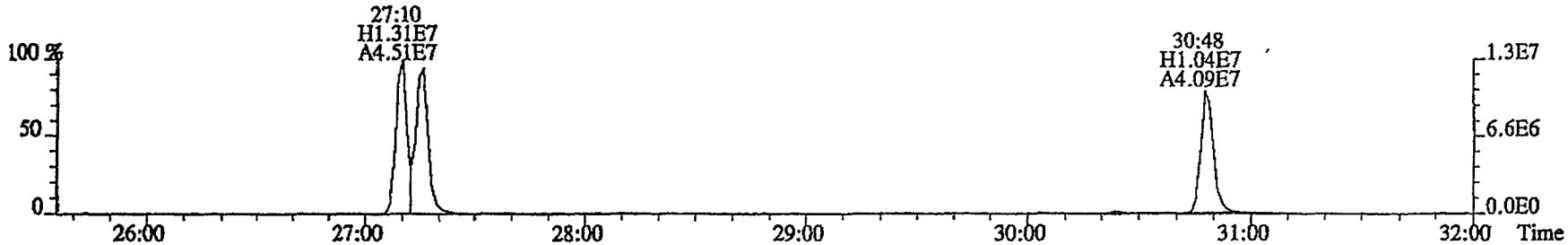
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8600.0,0.00%,F,F)



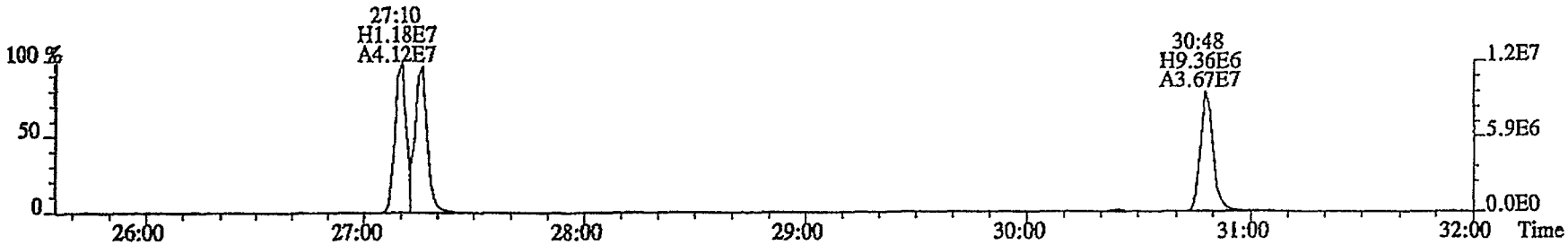
257.9584 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5880.0,0.00%,F,F)



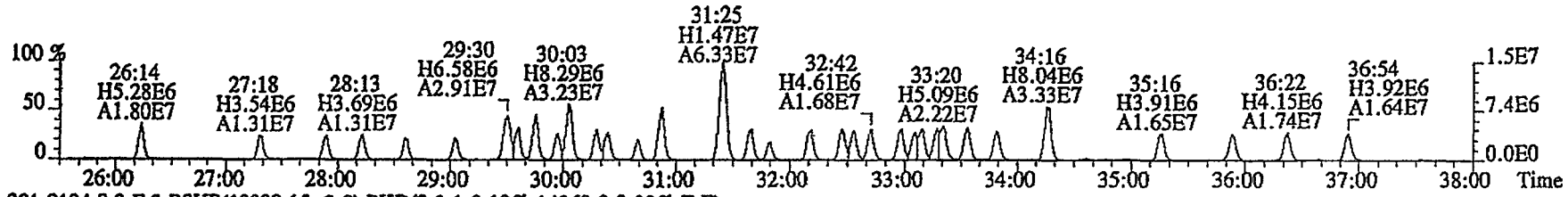
268.0016 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,28536.0,0.00%,F,F)



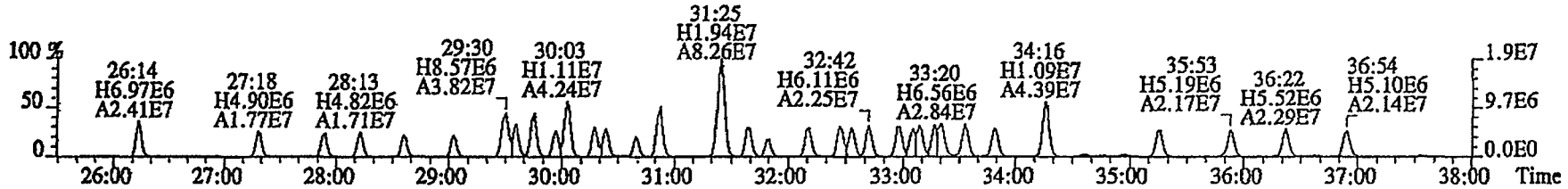
269.9986 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,15120.0,0.00%,F,F)



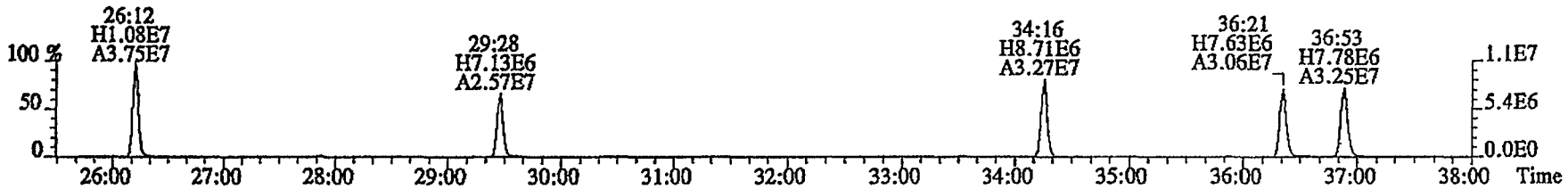
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8912.0,0.00%,F,F)



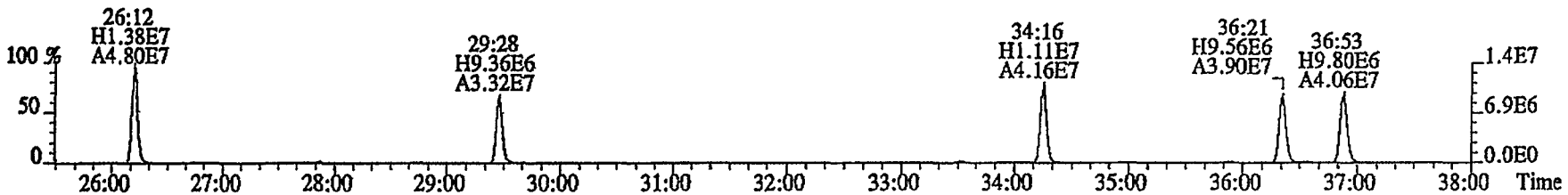
291.9194 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14260.0,0.00%,F,F)



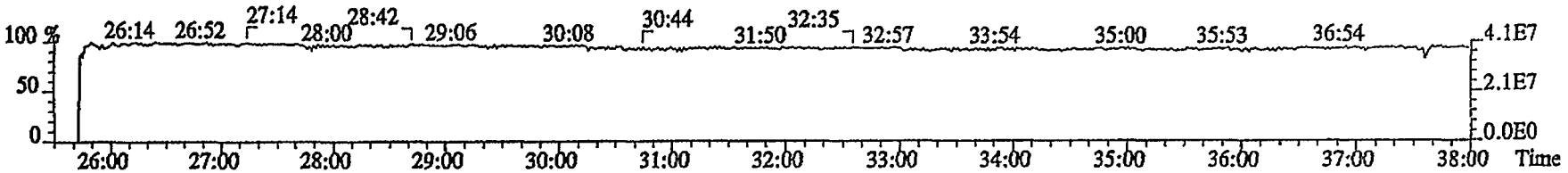
301.9626 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1584.0,0.00%,F,F)



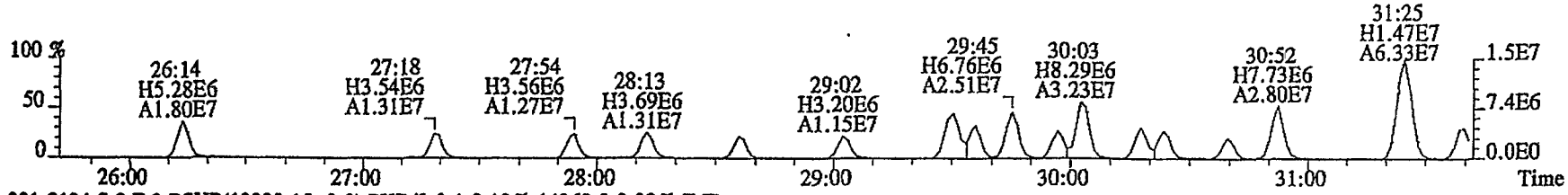
303.9597 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1624.0,0.00%,F,F)



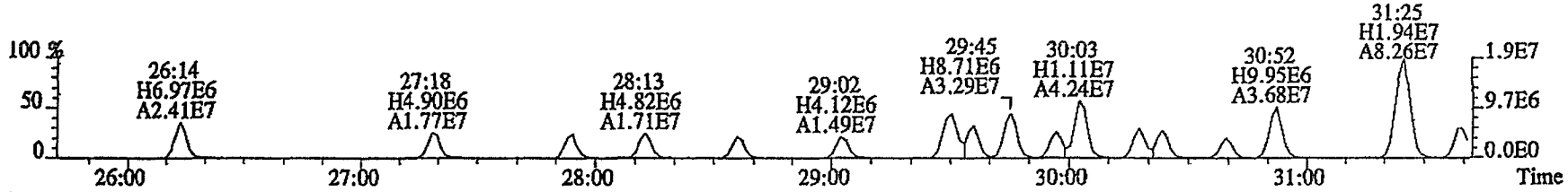
330.9792 S:3 F:3



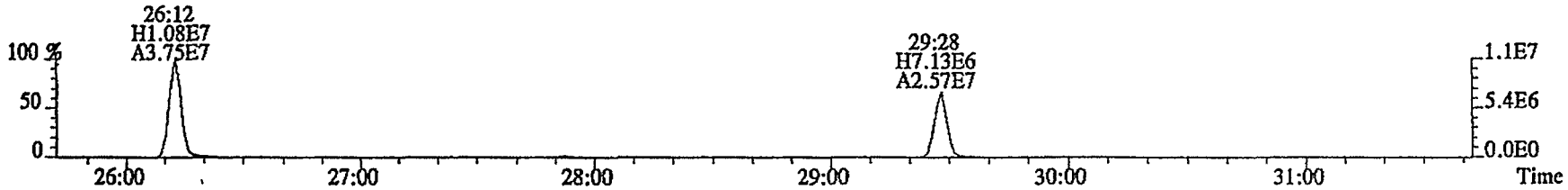
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8912.0,0.00%,F,F)



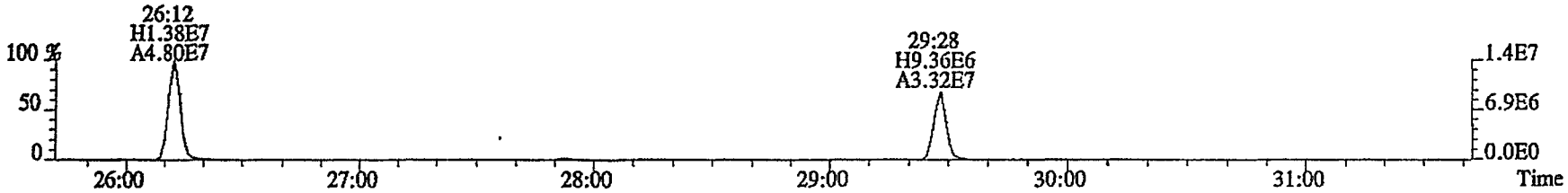
291.9194 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14260.0,0.00%,F,F)



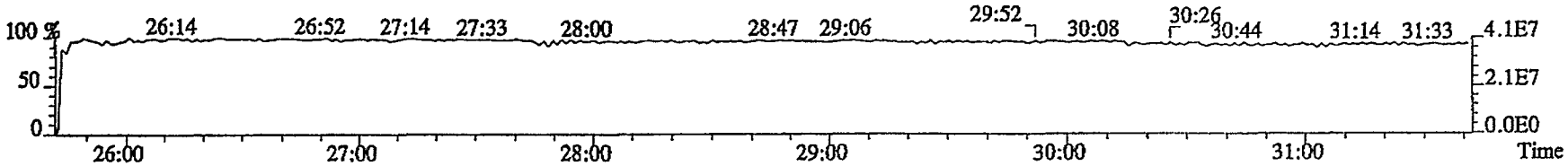
301.9626 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1584.0,0.00%,F,F)



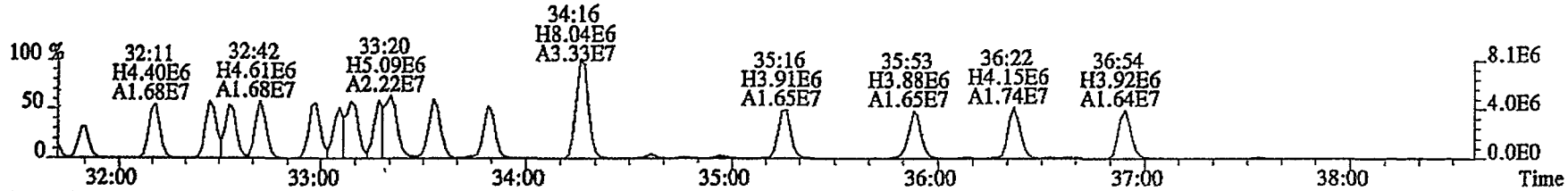
303.9597 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1624.0,0.00%,F,F)



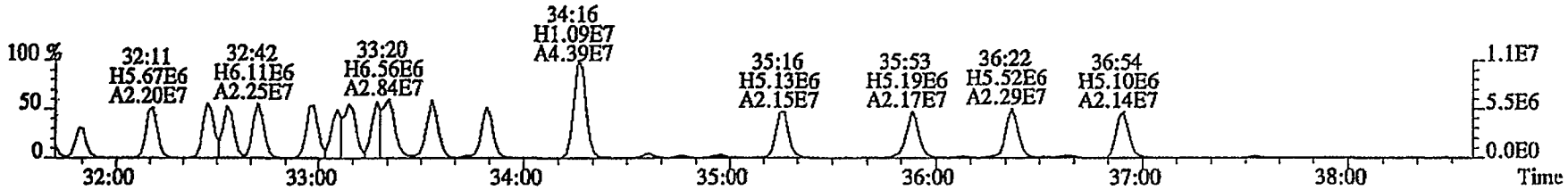
330.9792 S:3 F:3



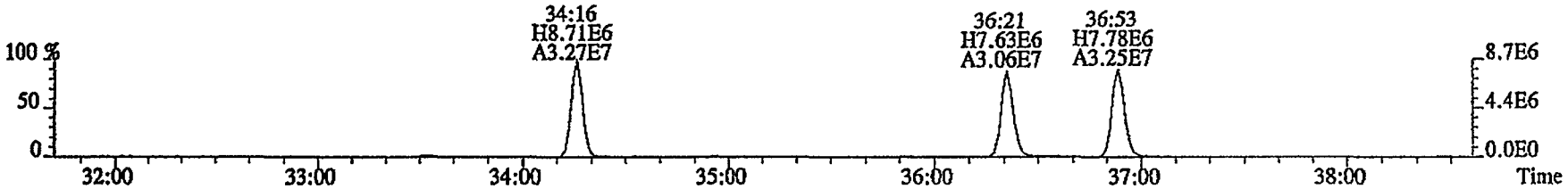
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8912.0,0.00%,F,F)



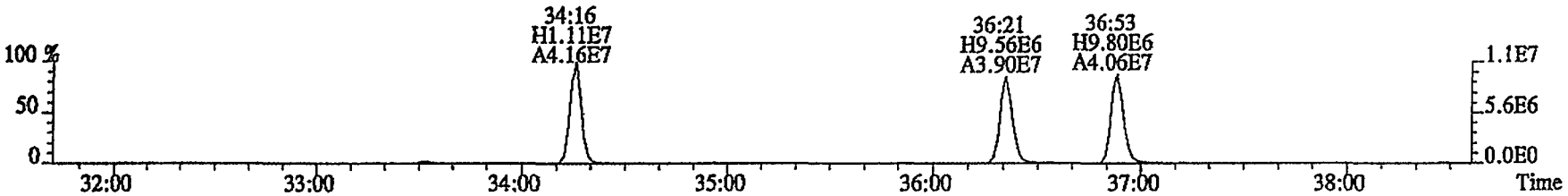
291.9194 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14260.0,0.00%,F,F)



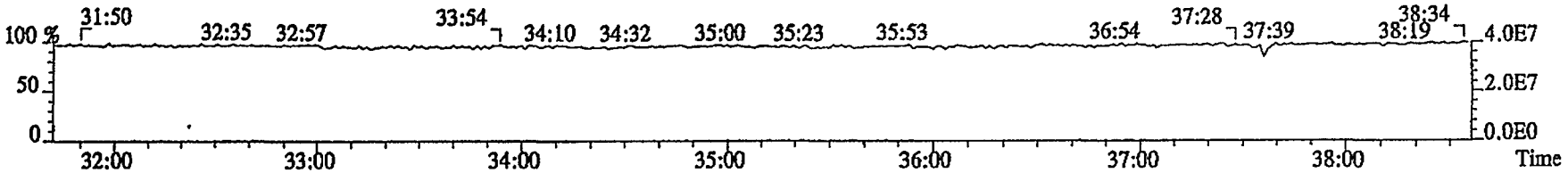
301.9626 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1584.0,0.00%,F,F)



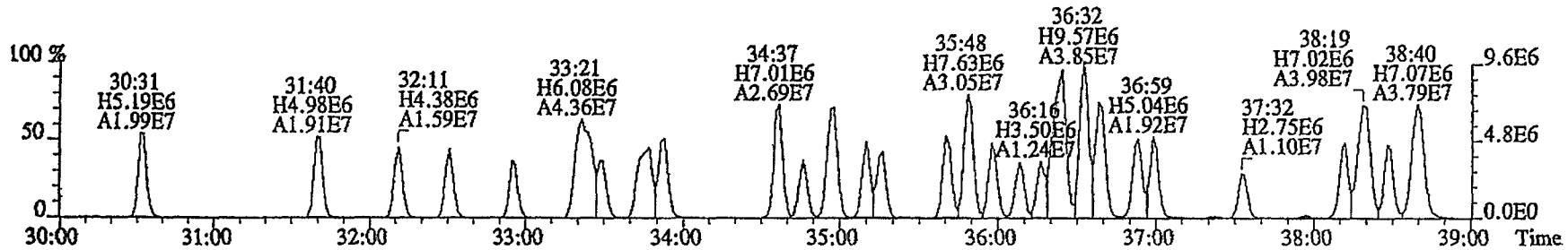
303.9597 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1624.0,0.00%,F,F)



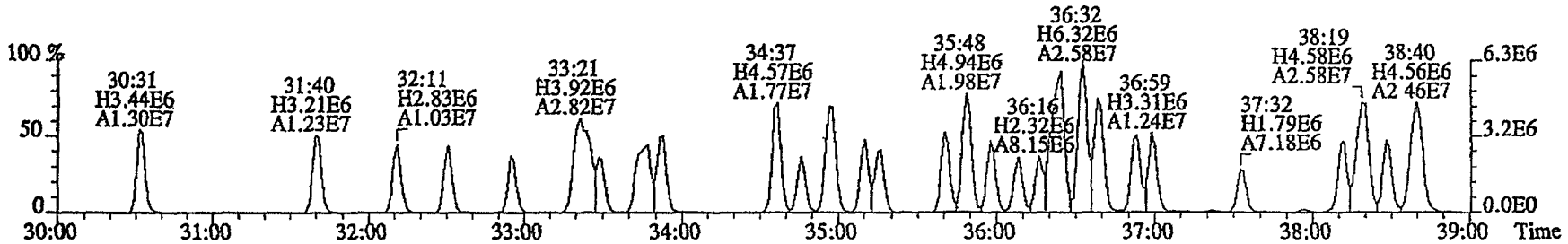
330.9792 S:3 F:3



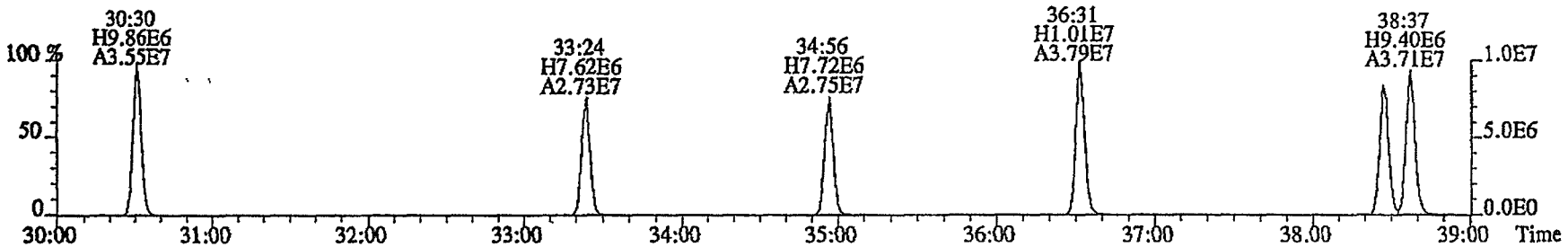
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,344.0,0.00%,F,F)



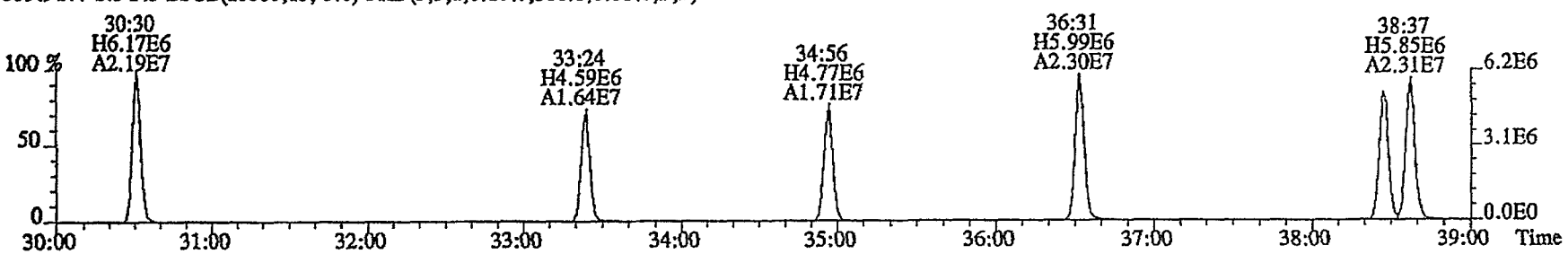
327.8775 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2176.0,0.00%,F,F)



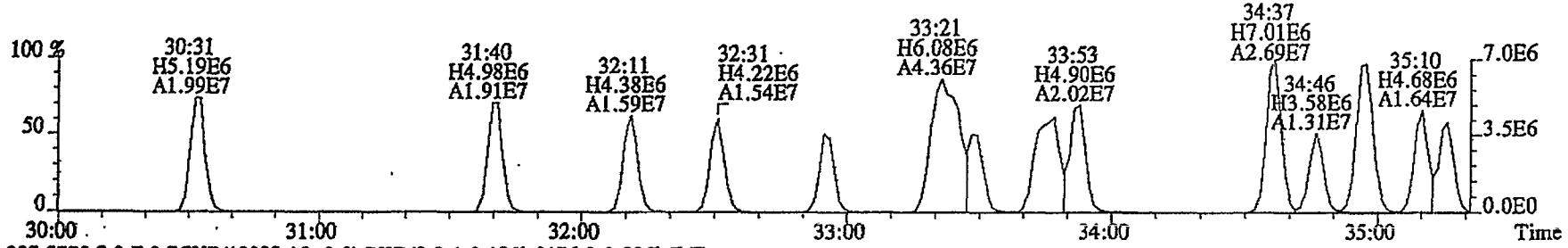
337.9207 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,504.0,0.00%,F,F)



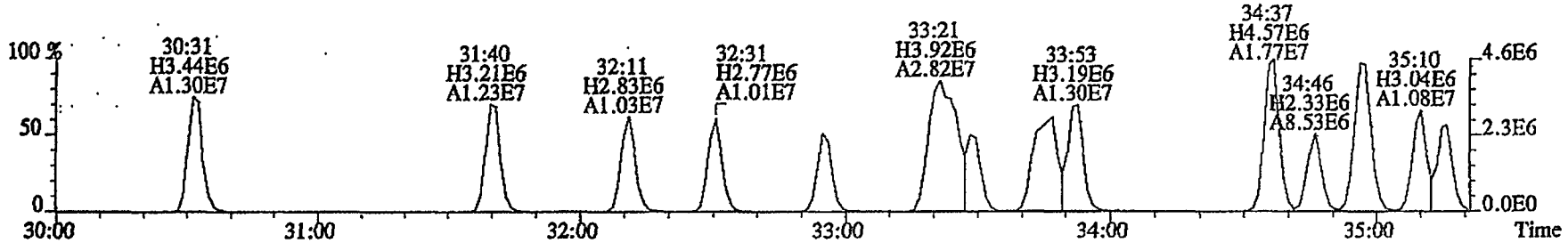
339.9177 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,388.0,0.00%,F,F)



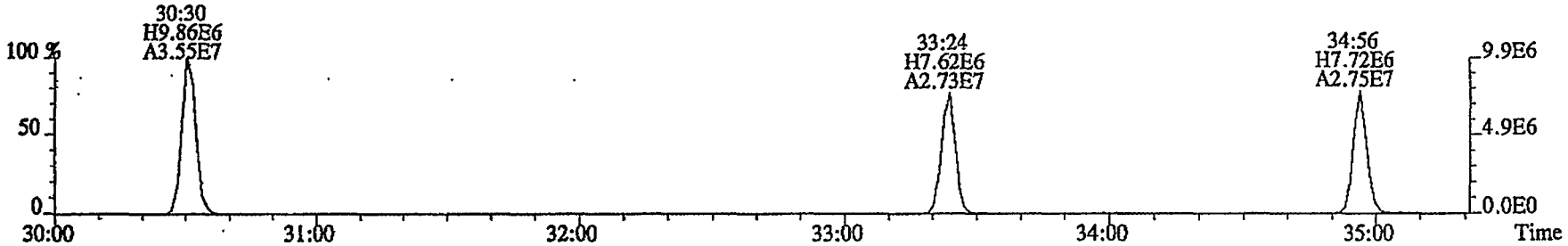
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,344.0,0.00%,F,F)



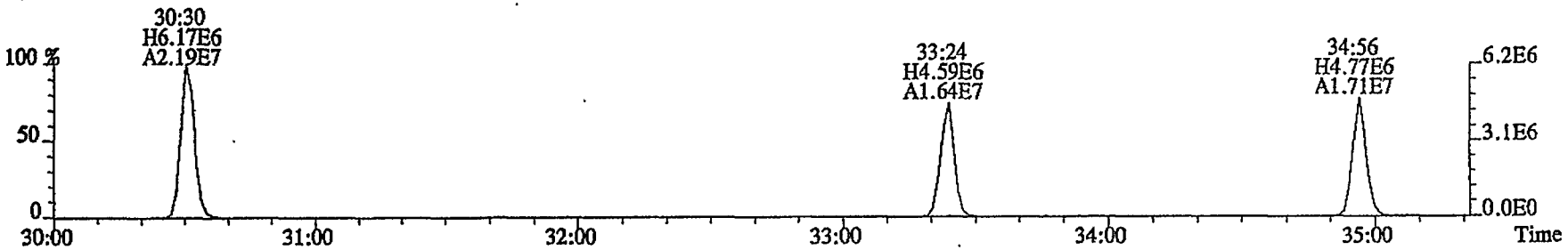
327.8775 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2176.0,0.00%,F,F)



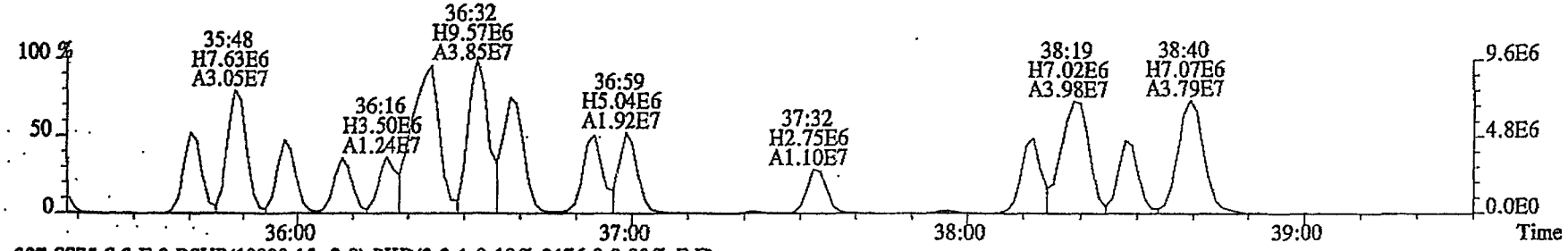
337.9207 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,504.0,0.00%,F,F)



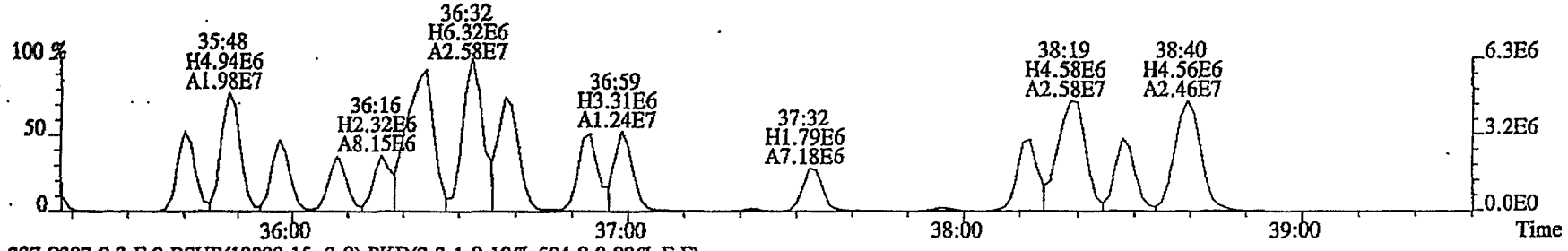
339.9177 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,388.0,0.00%,F,F)



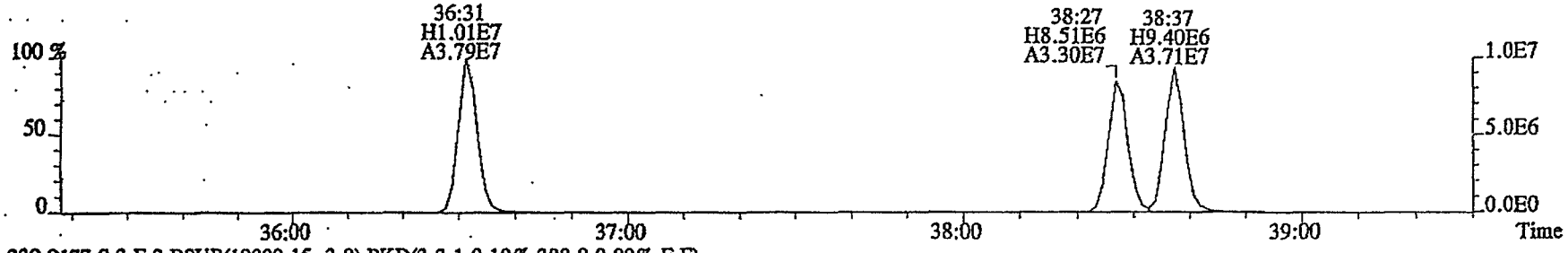
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,344.0,0.00%,F,F)



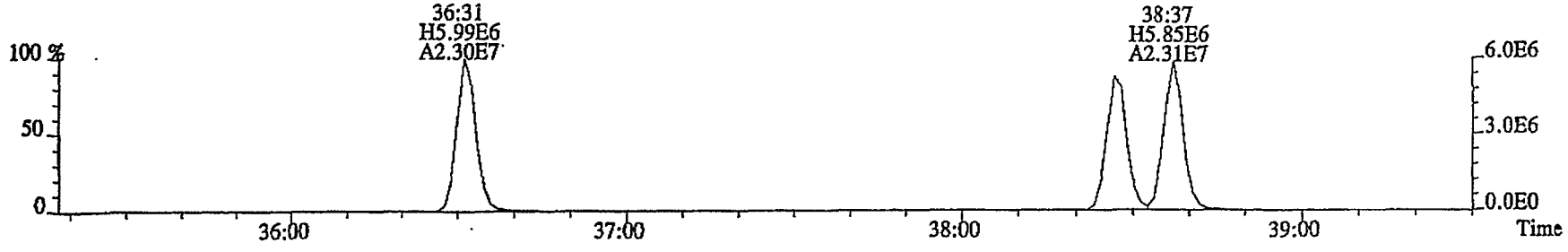
327.8775 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2176.0,0.00%,F,F)



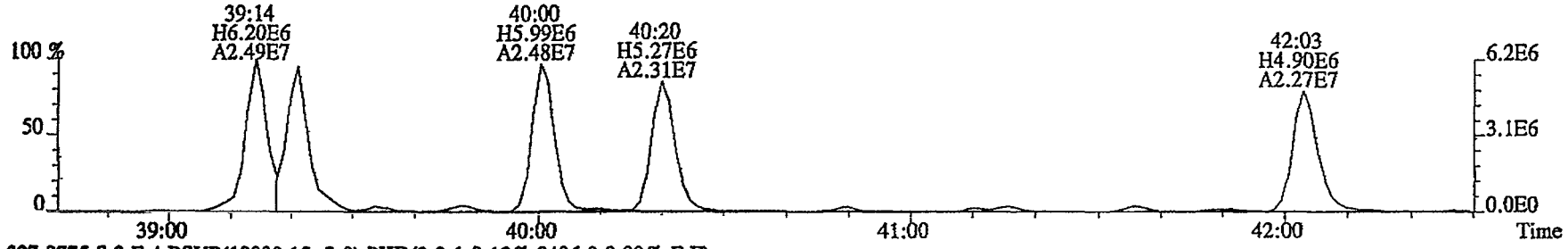
337.9207 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,504.0,0.00%,F,F)



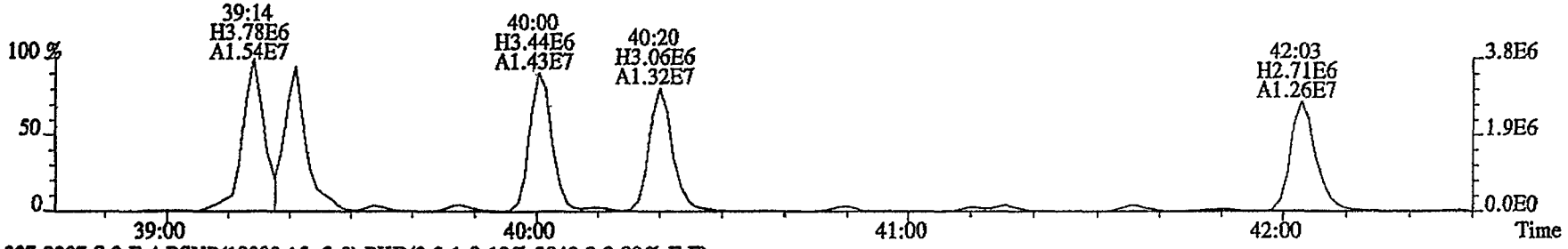
339.9177 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,388.0,0.00%,F,F)



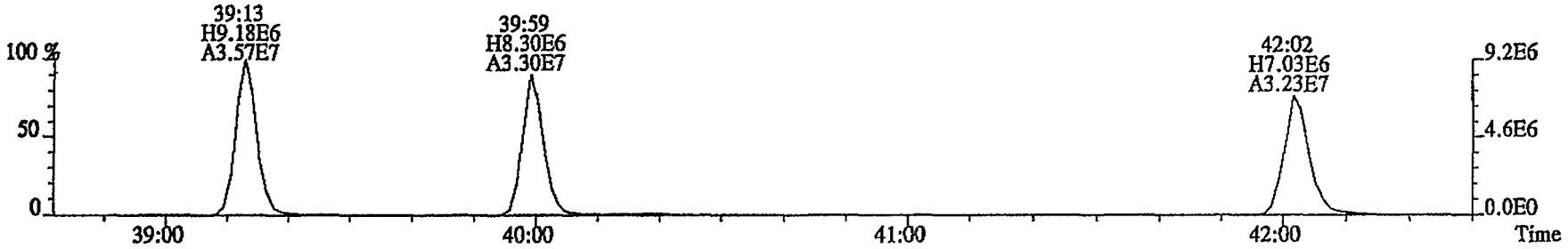
File:030929E1 #1-503 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4860.0,0.00%,F,F)



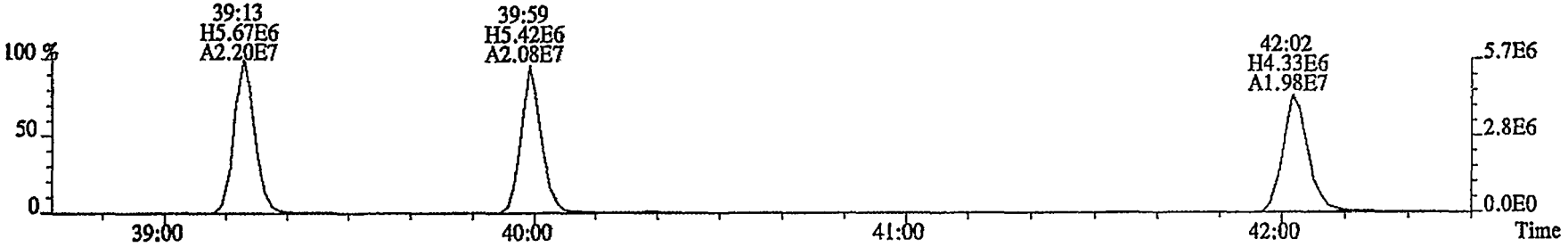
327.8775 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8496.0,0.00%,F,F)



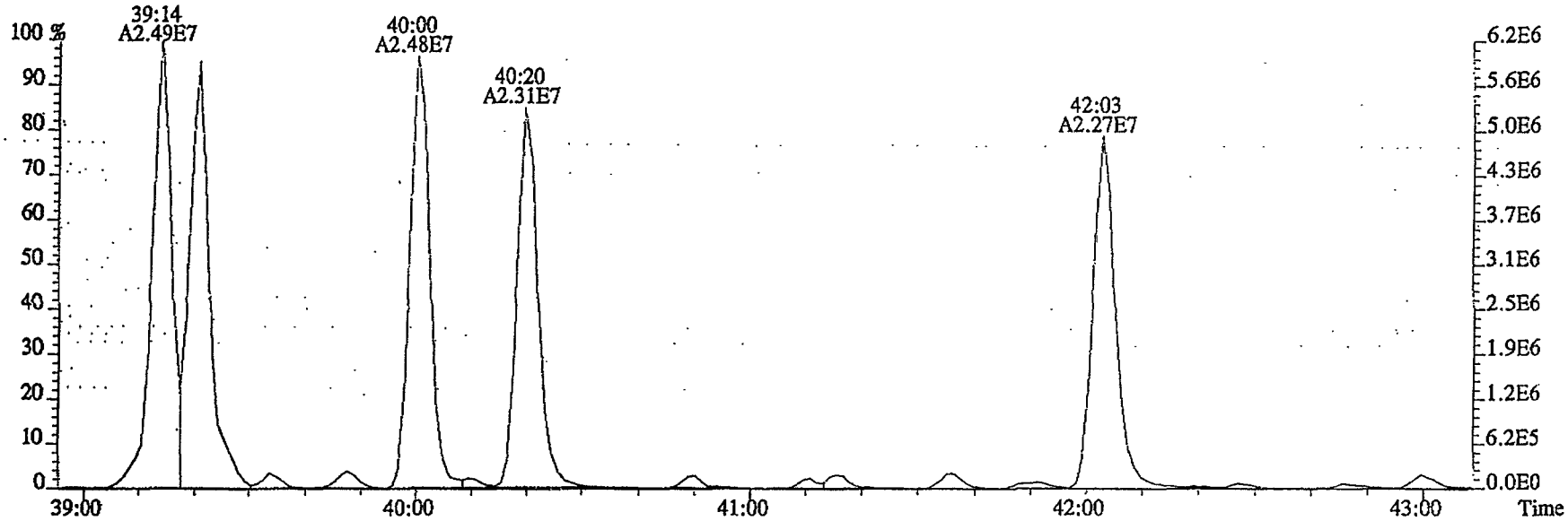
337.9207 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3040.0,0.00%,F,F)



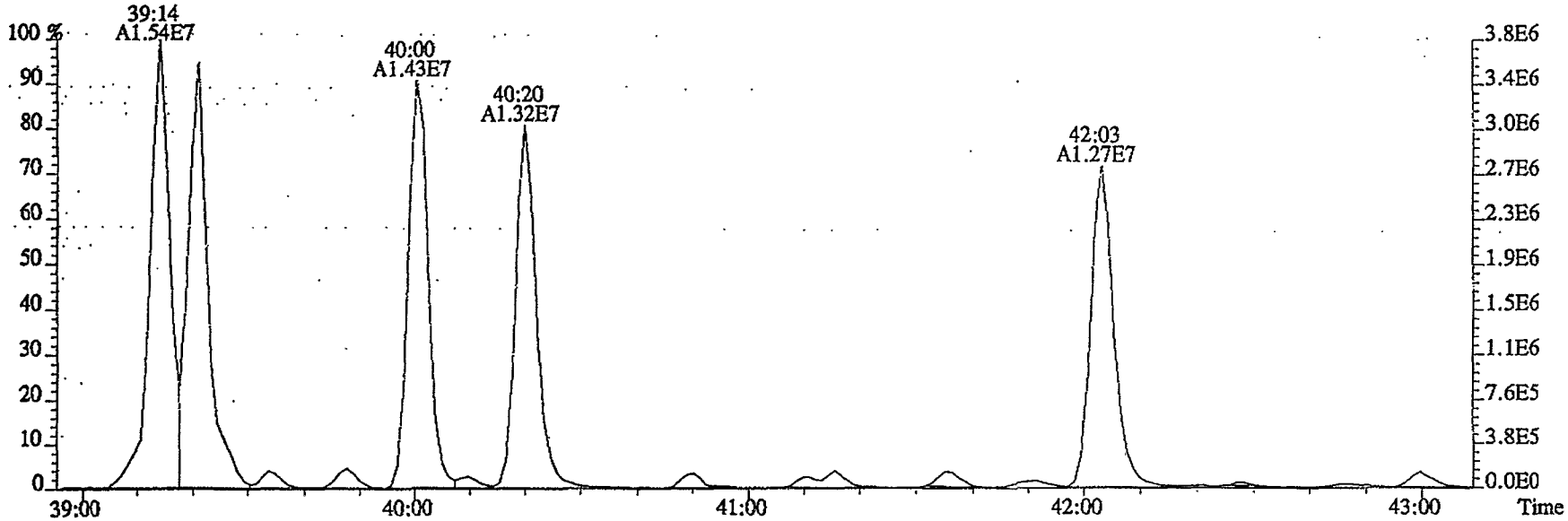
339.9177 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2208.0,0.00%,F,F)



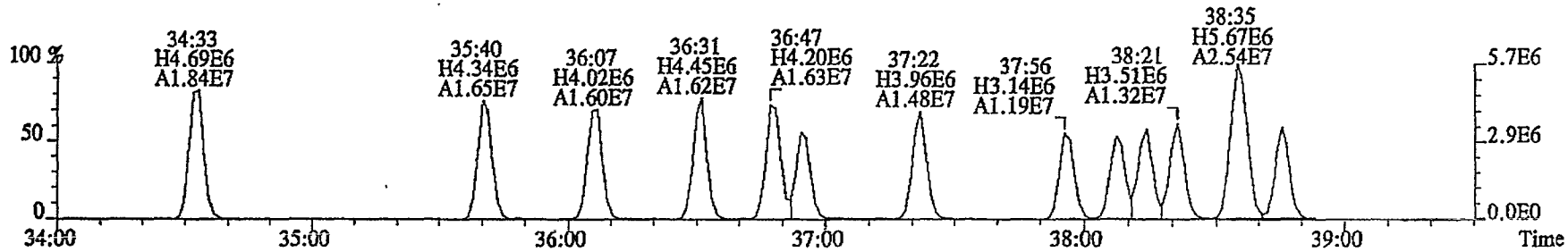
File:030929E1 #1-503 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4860.0,0.00%,F,F)



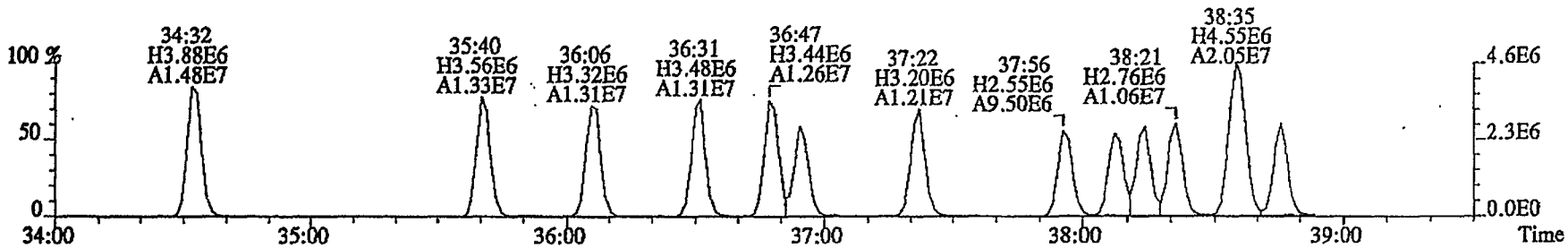
327.8775 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8496.0,0.00%,F,F)



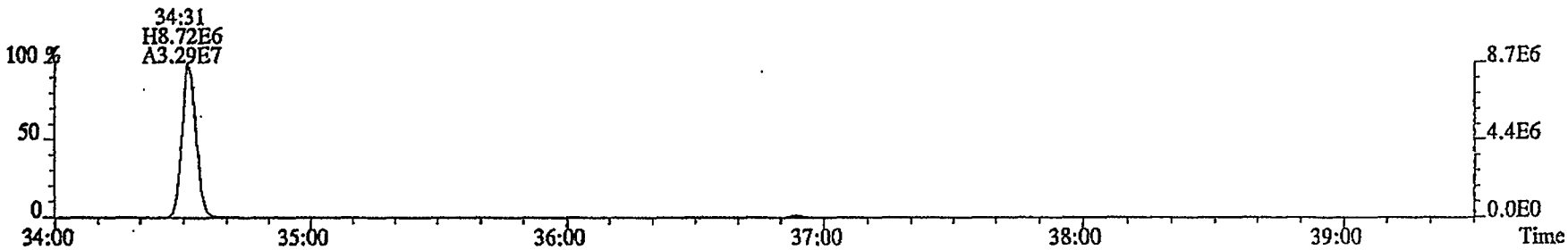
File:030929E1 #1-685 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,380.0,0.00%,F,F)



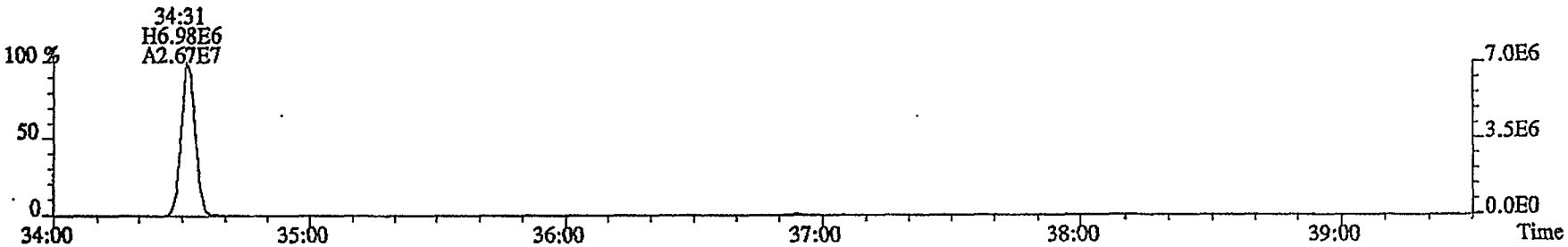
361.8385 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



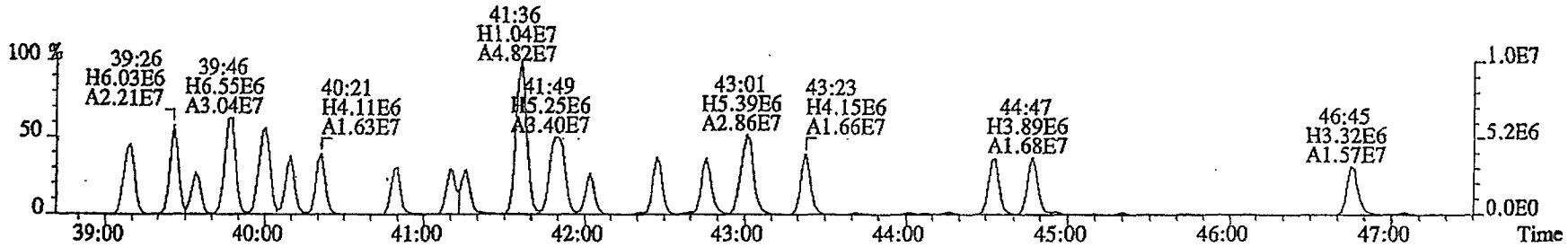
371.8817 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,316.0,0.00%,F,F)



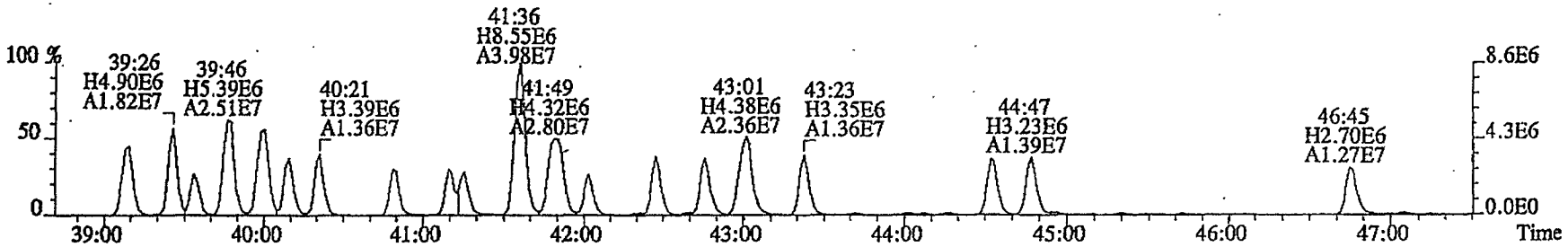
373.8788 S:3 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,336.0,0.00%,F,F)



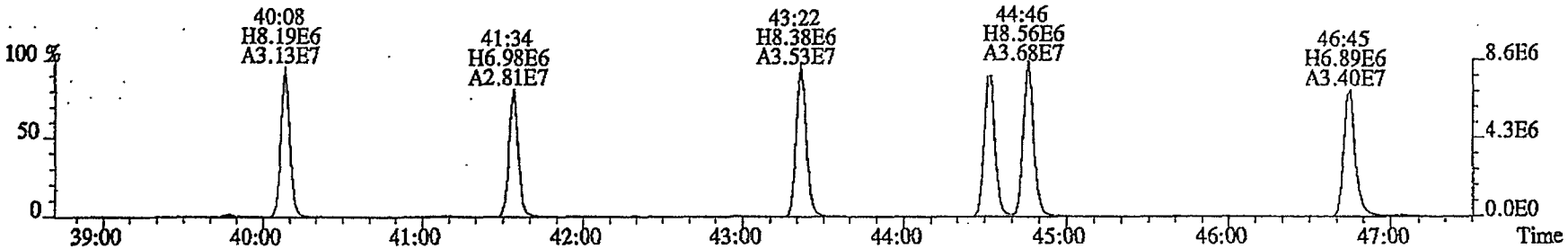
File:030929E1 #1-503 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,13716.0,0.00%,F,F)



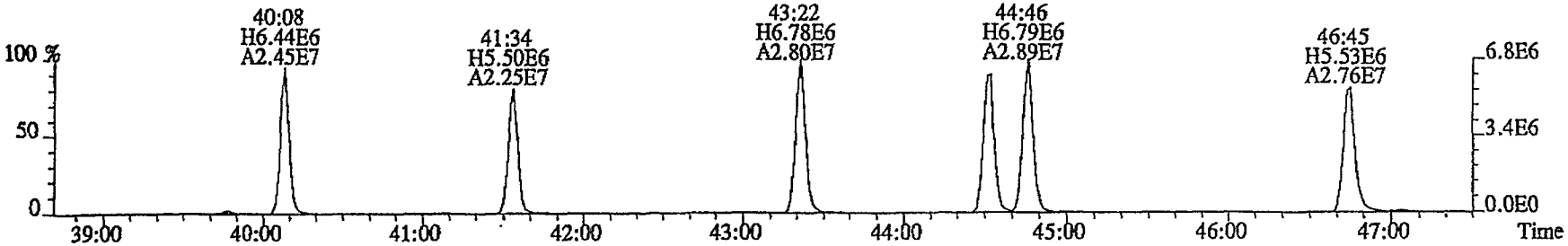
361.8385 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12376.0,0.00%,F,F)



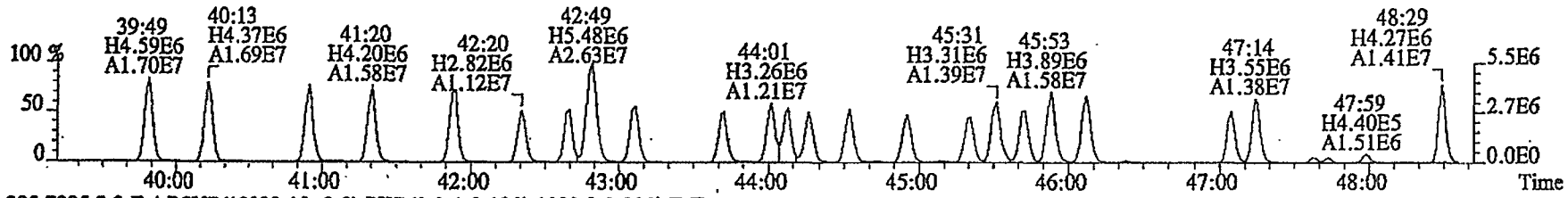
371.8817 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2628.0,0.00%,F,F)



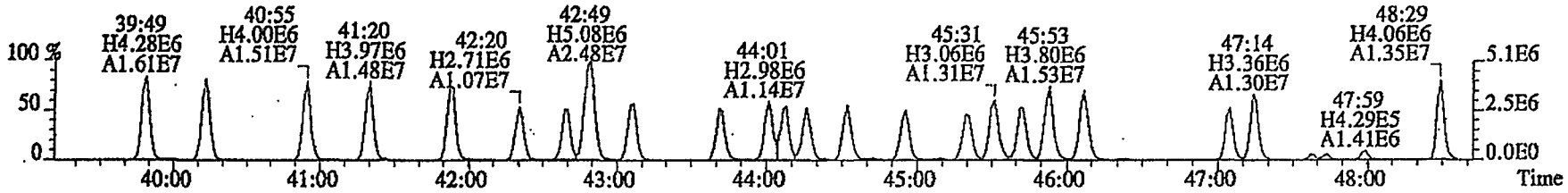
373.8788 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1840.0,0.00%,F,F)



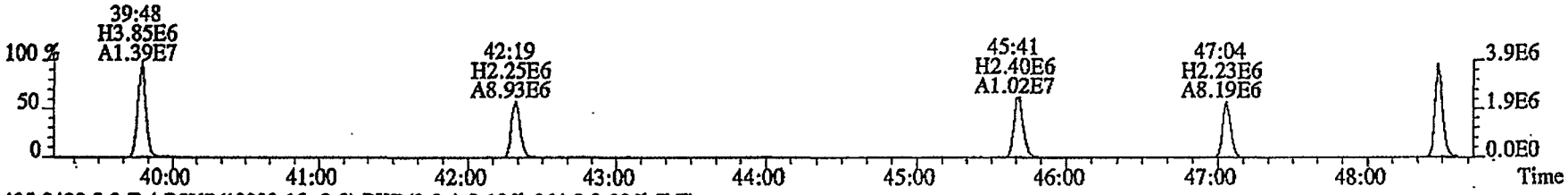
File:030929E1 #1-503 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
393.8025 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2532.0,0.00%,F,F)



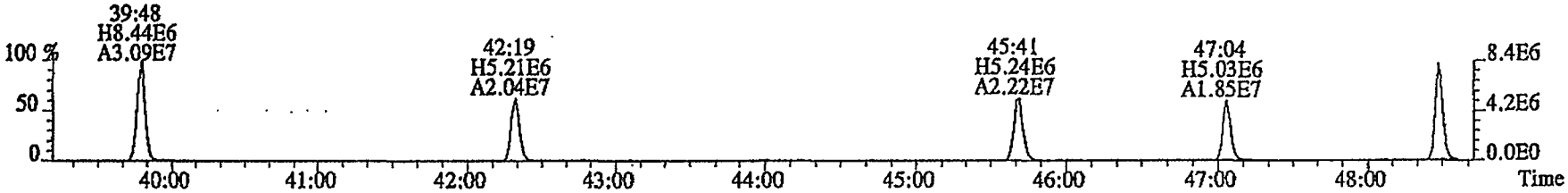
395.7995 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1380.0,0.00%,F,F)



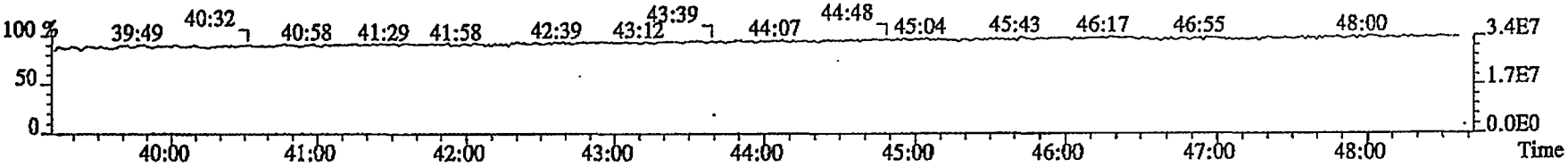
403.8457 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,F)



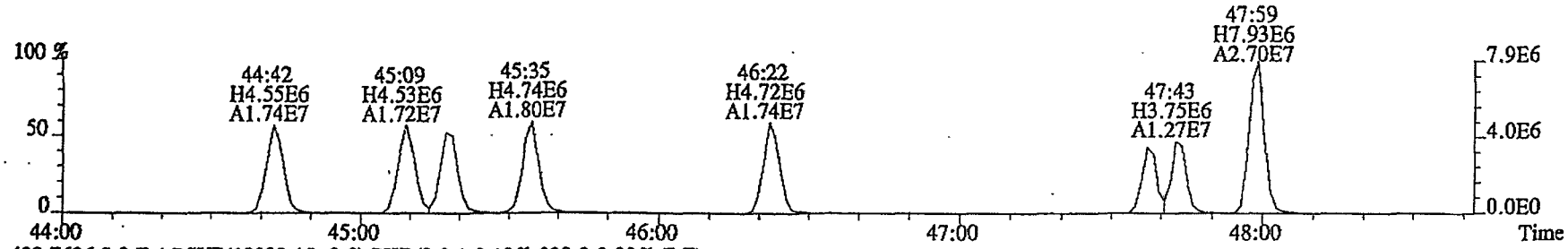
405.8428 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



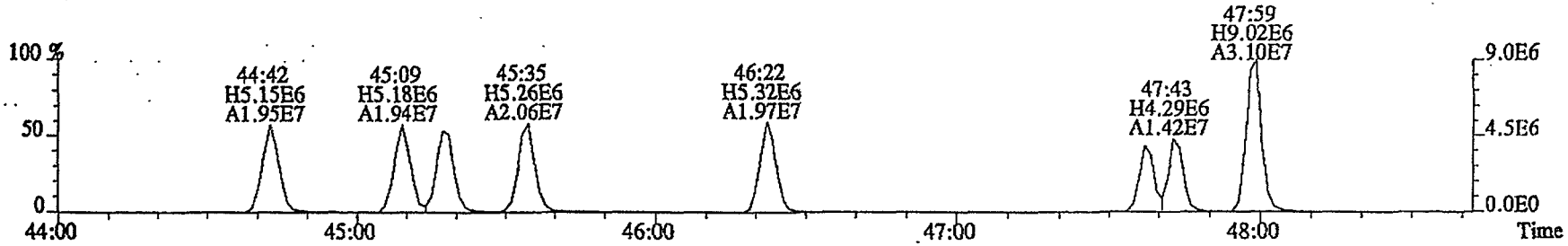
380.9760 S:3 F:4



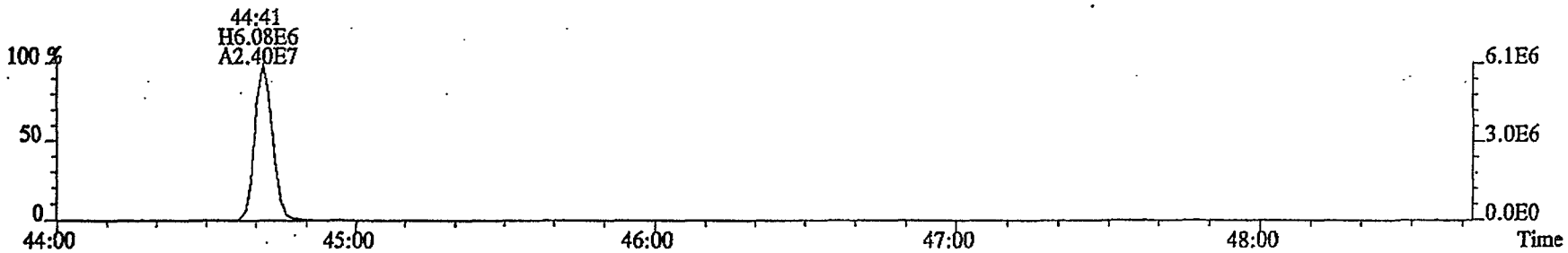
File:030929E1 #1-503 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,200.0,0.00%,F,F)



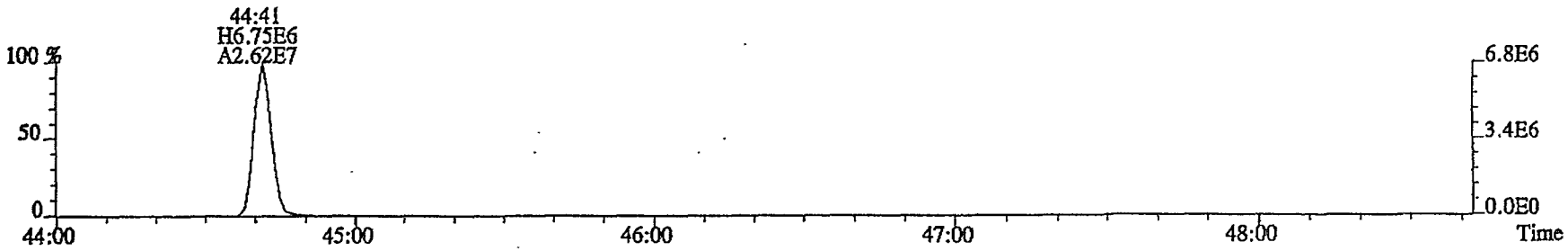
429.7606 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



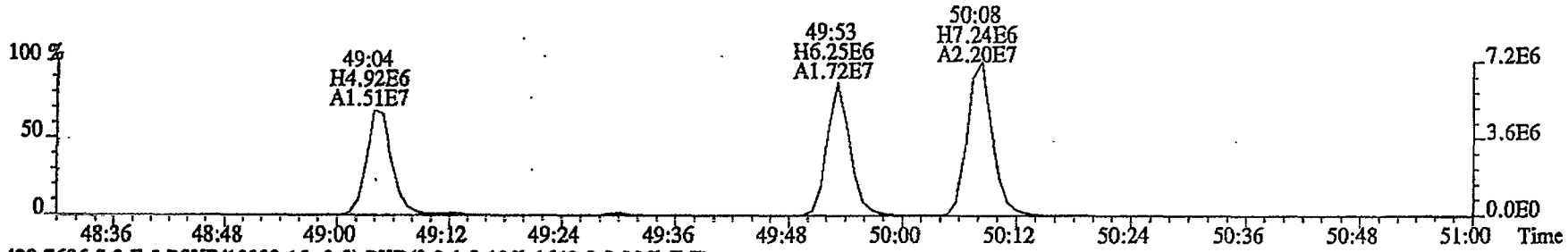
439.8038 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



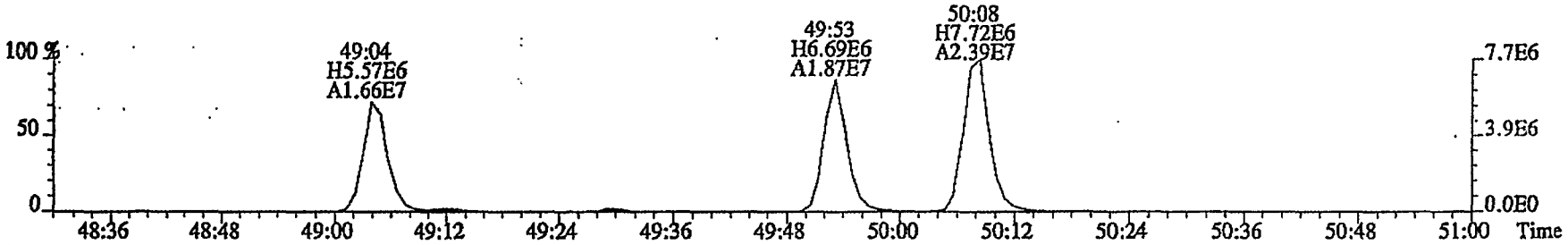
441.8008 S:3 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,240.0,0.00%,F,F)



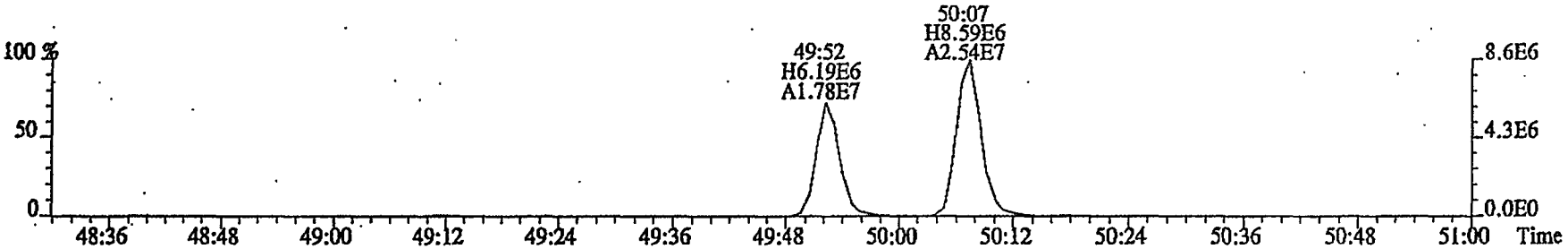
File:030929E1 #1-429 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1196.0,0.00%,F,F)



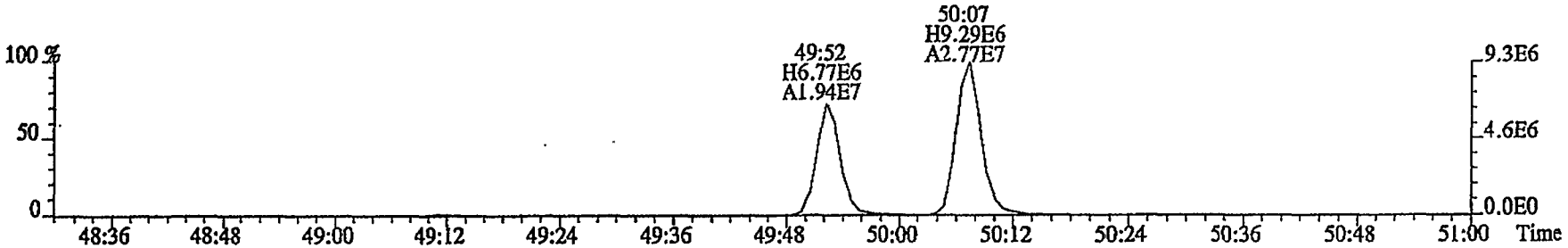
429.7606 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1640.0,0.00%,F,F)



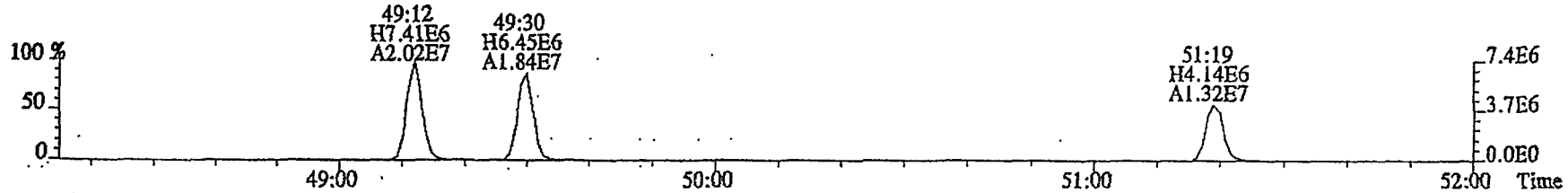
439.8038 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



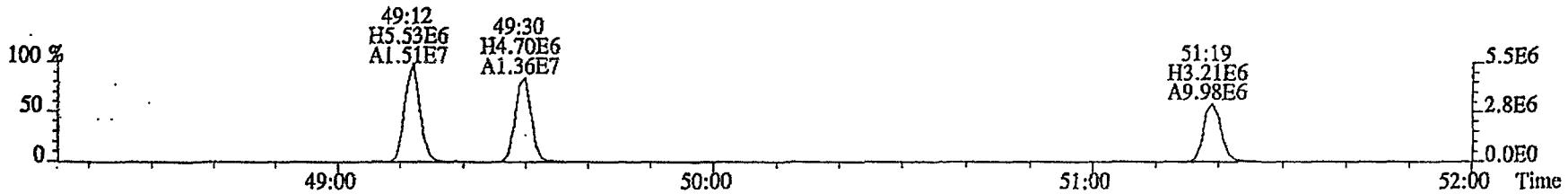
441.8008 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,200.0,0.00%,F,F)



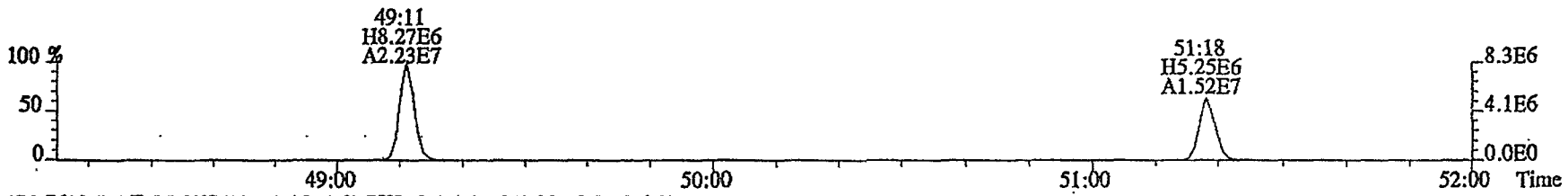
File:030929E1 #1-429 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
463.7216 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,212.0,0.00%,F,F)



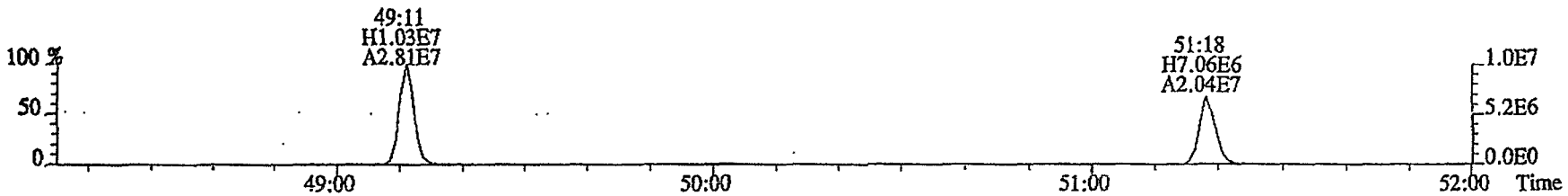
465.7186 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



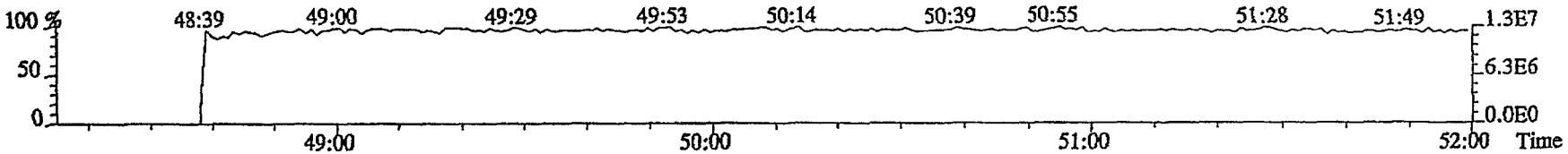
473.7648 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,192.0,0.00%,F,F)



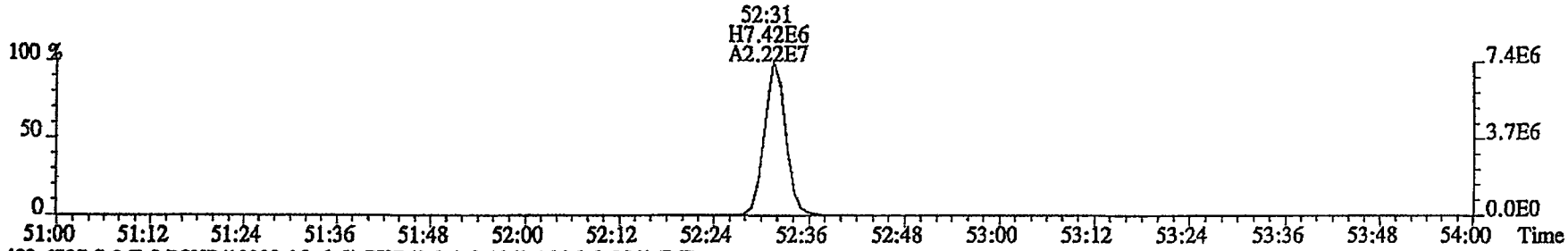
475.7619 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



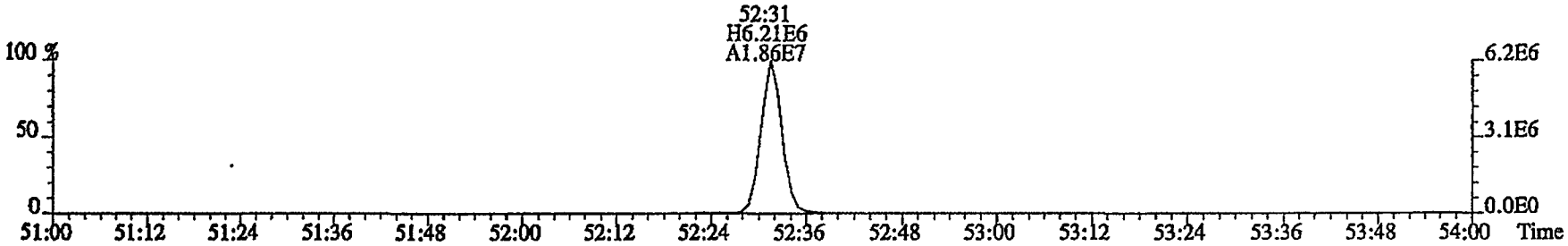
492.9697 S:3 F:5



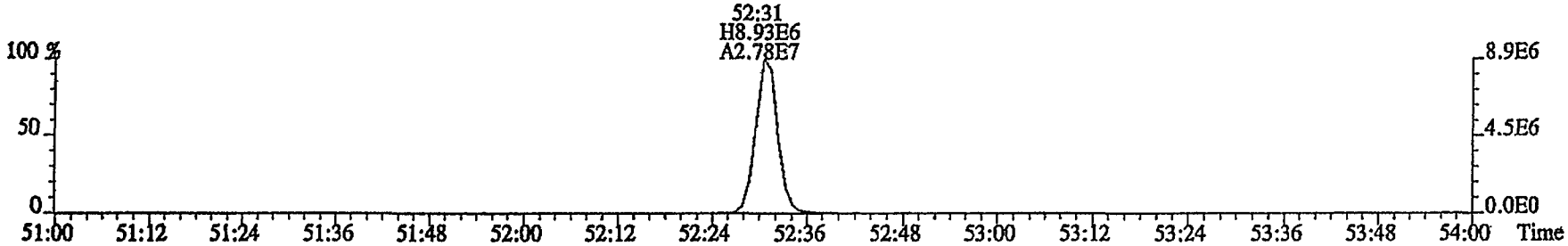
File:030929E1 #1-429 Acq:29-SEP-2003 14:07:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Alta Analytical Laboratory Text:ST030929E1-3 PCB 209 CS3 030916G Exp:PCB_DB1
497.6826 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,176.0,0.00%,F,F)



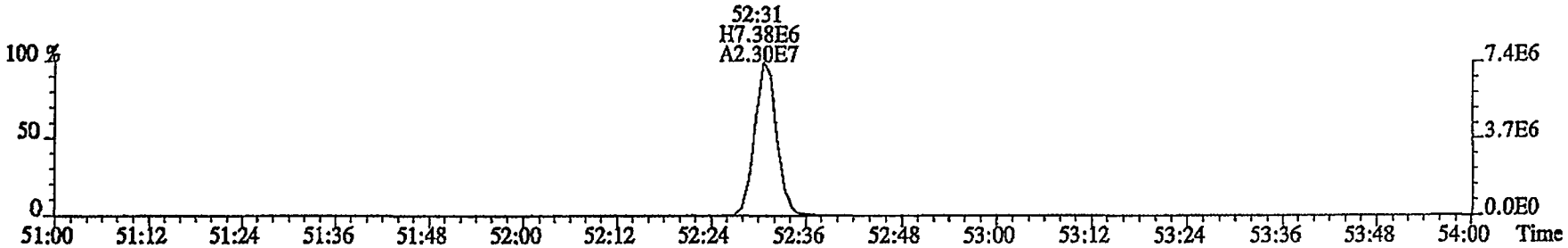
499.6797 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,156.0,0.00%,F,F)



509.7229 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,172.0,0.00%,F,F)

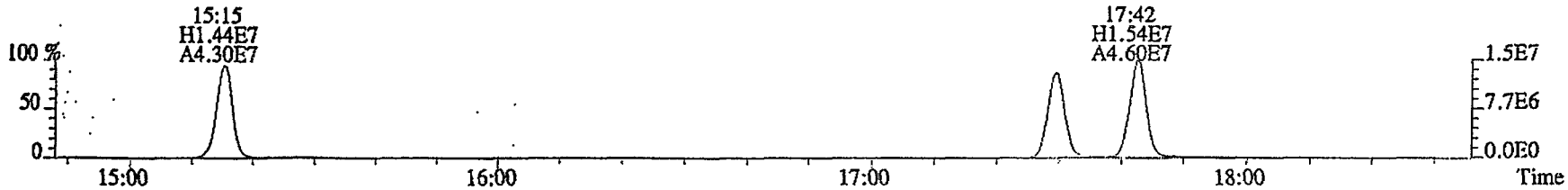


511.7199 S:3 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,164.0,0.00%,F,F)

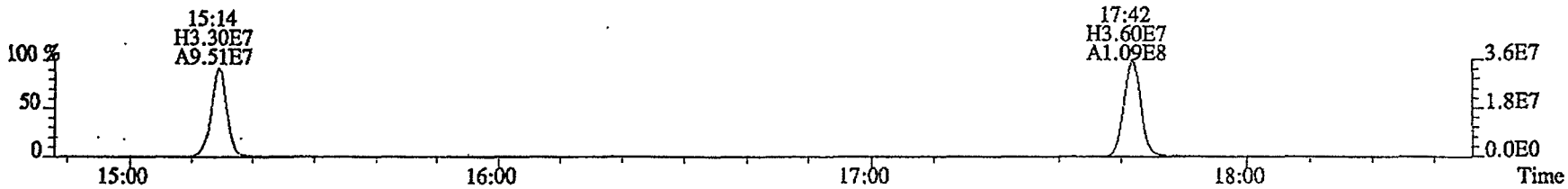


File:030929E1 #1-728 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
188.0393 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5100.0,0.00%,F,F)

190.0363 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2640.0,0.00%,F,F)

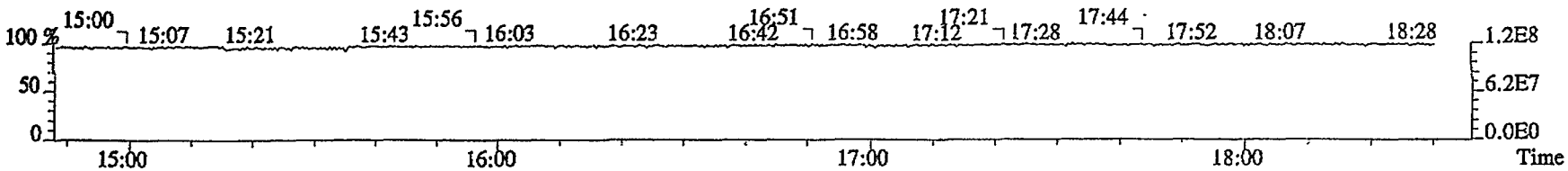


200.0795 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4012.0,0.00%,F,F)

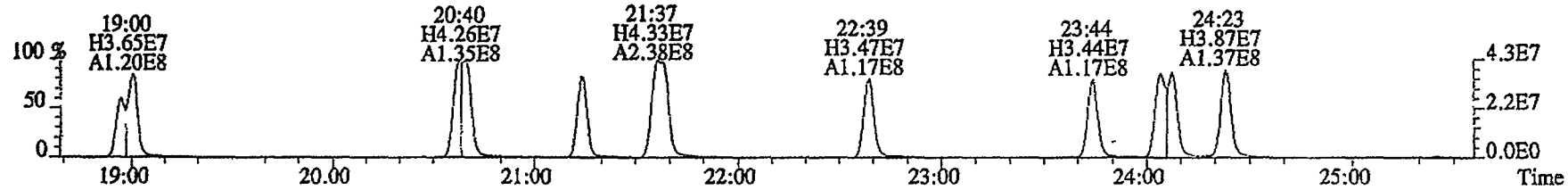


202.0766 S:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,31868.0,0.00%,F,F)

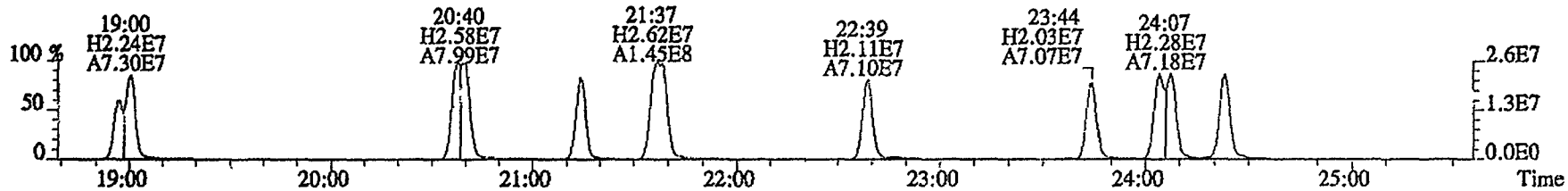
180.9880 S:4



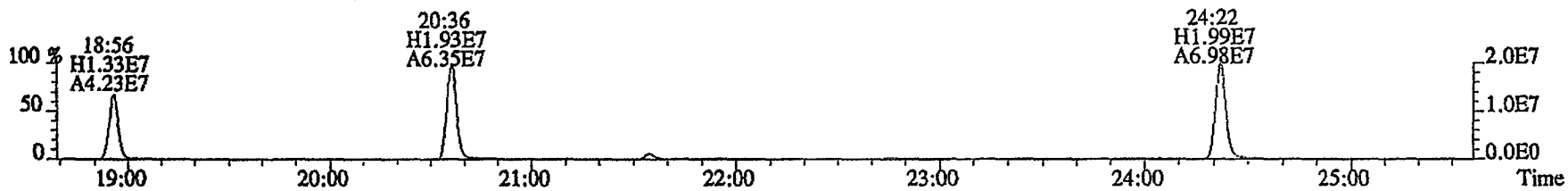
File:030929E1 #1-678 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7680.0,0.00%,F,F)



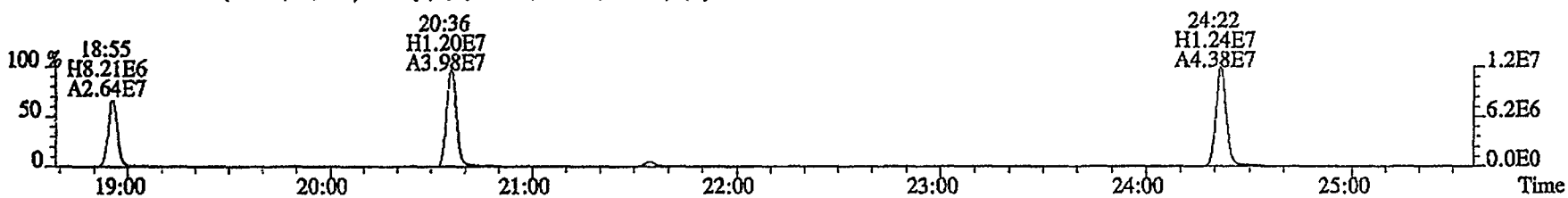
223.9974 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,27036.0,0.00%,F,F)



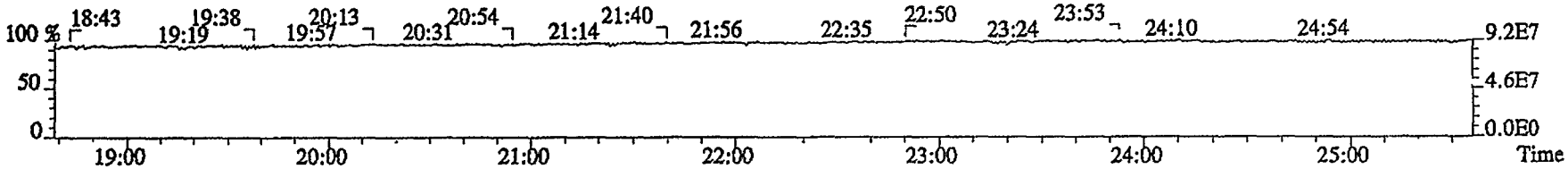
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2556.0,0.00%,F,F)



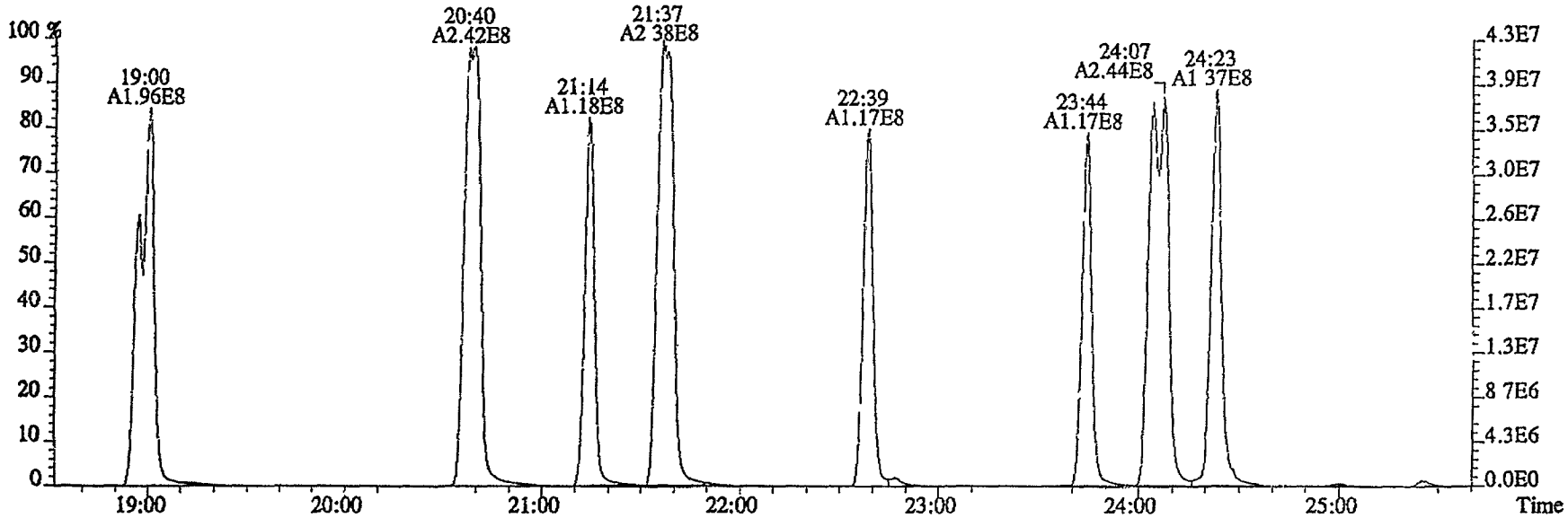
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2000.0,0.00%,F,F)



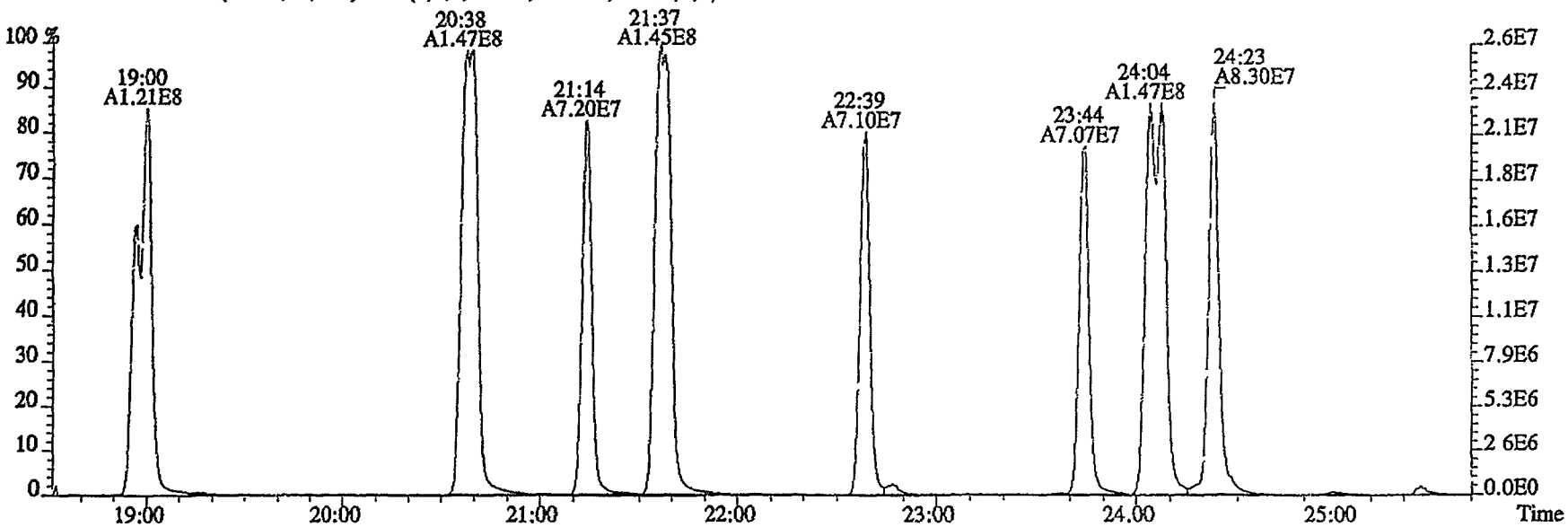
230.9856 S:4 F:2



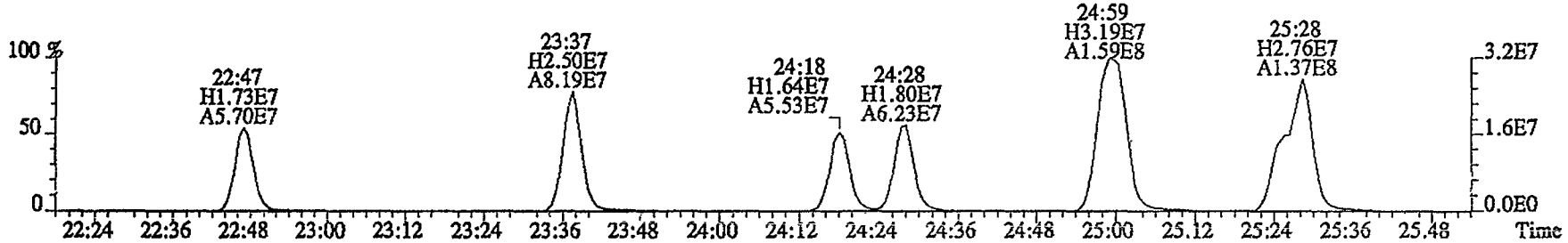
File:030929E1 #1-678 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7680.0,0.00%,F,F)



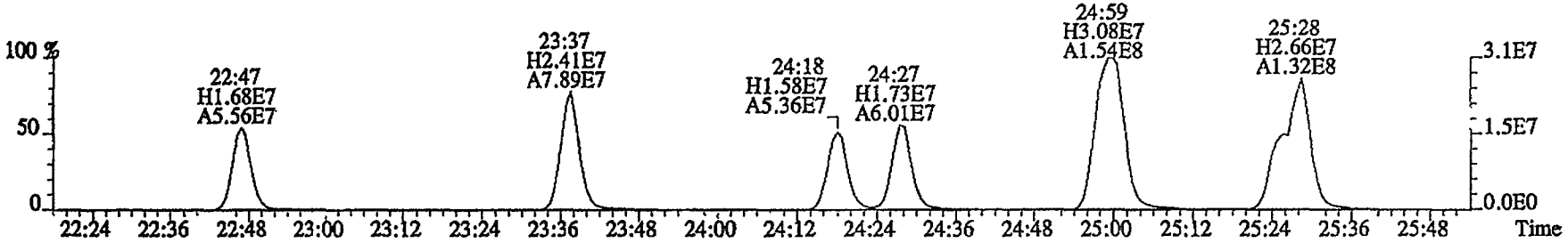
223.9974 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,27036.0,0.00%,F,F)



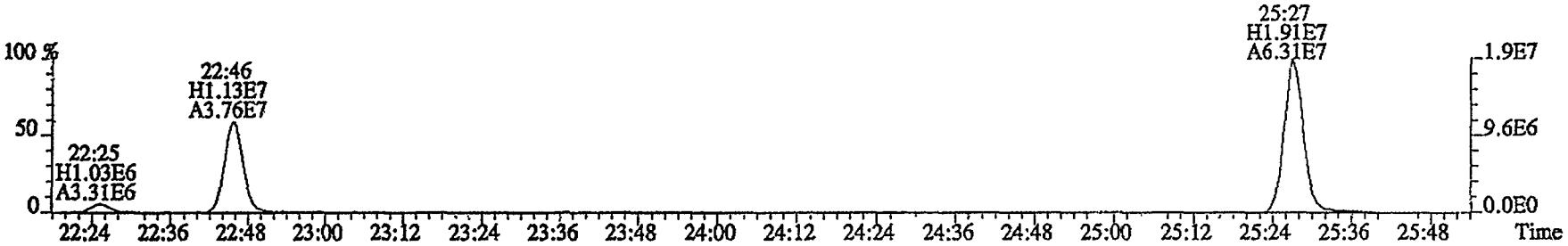
File:030929E1 #1-678 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2444.0,0.00%,F,F)



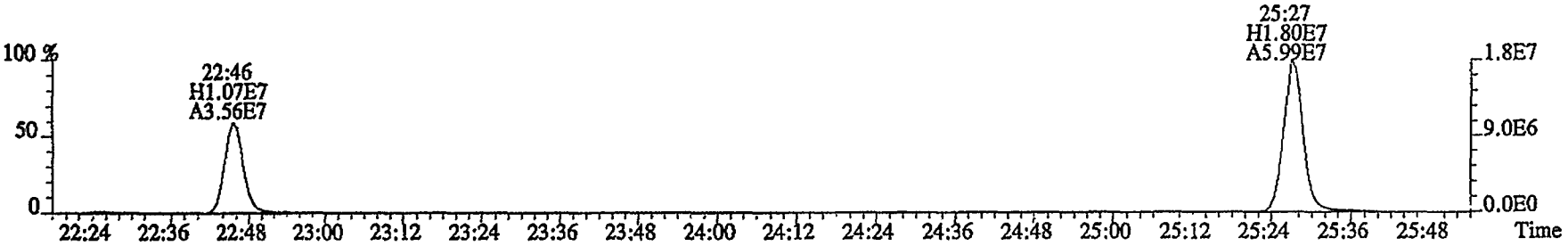
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,804.0,0.00%,F,F)



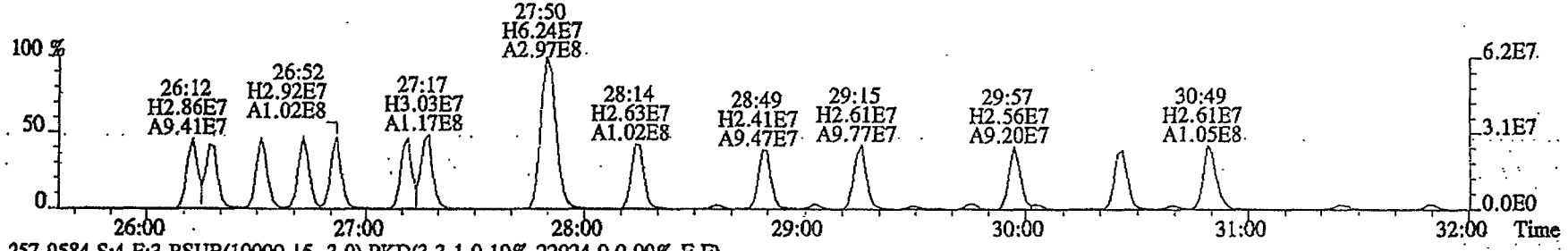
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,33184.0,0.00%,F,F)



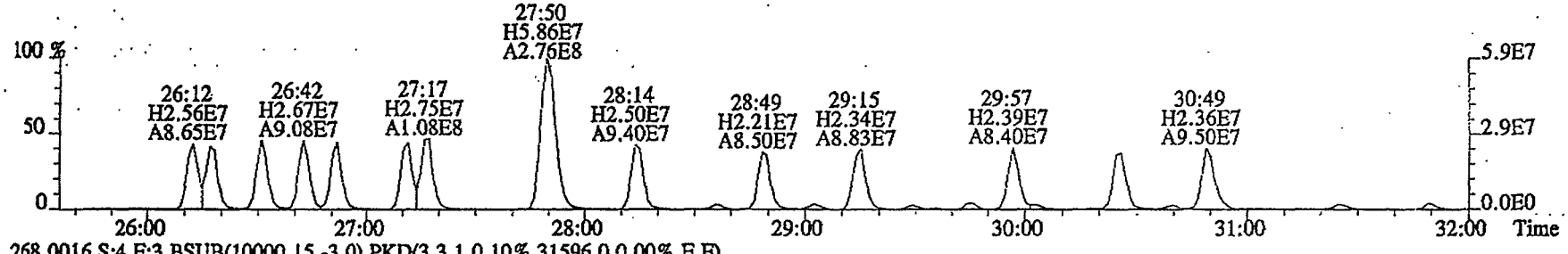
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20288.0,0.00%,F,F)



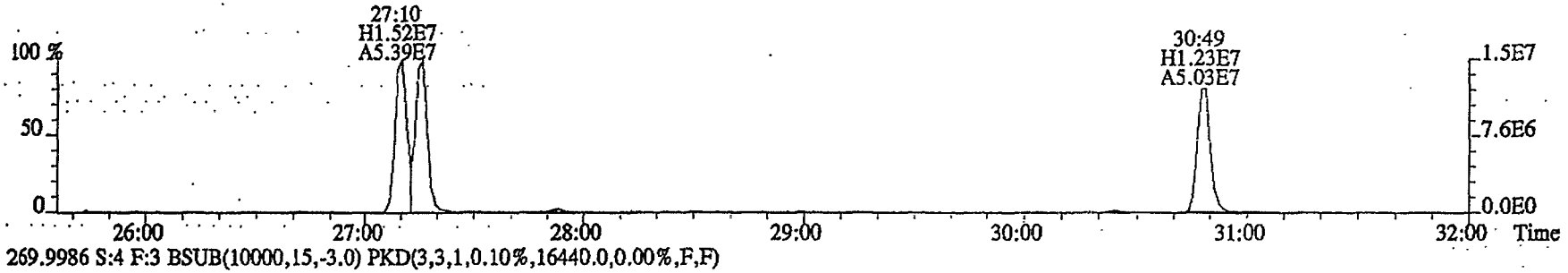
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
255.9613 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,19384.0,0.00%,F,F)



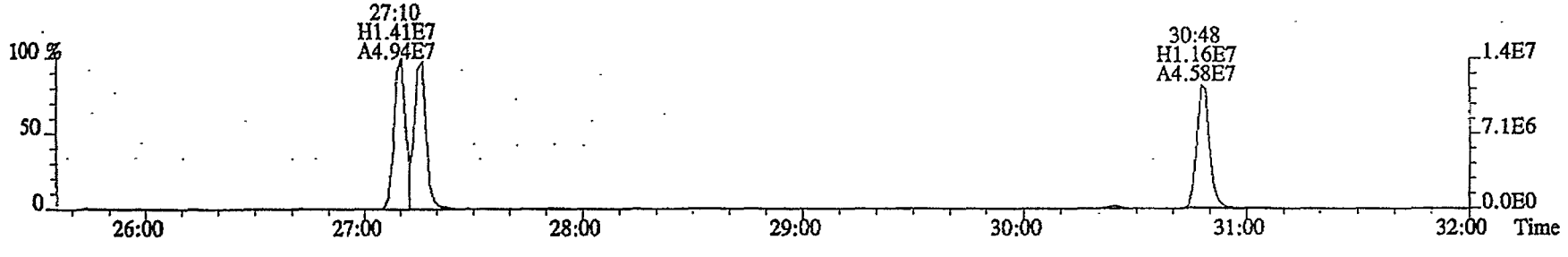
257.9584 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22924.0,0.00%,F,F)



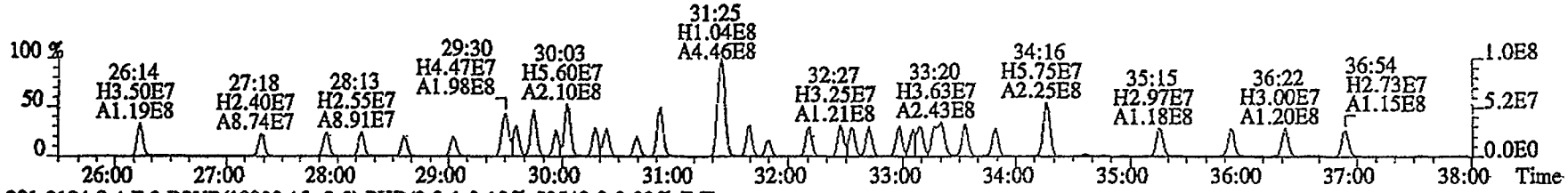
268.0016 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,31596.0,0.00%,F,F)



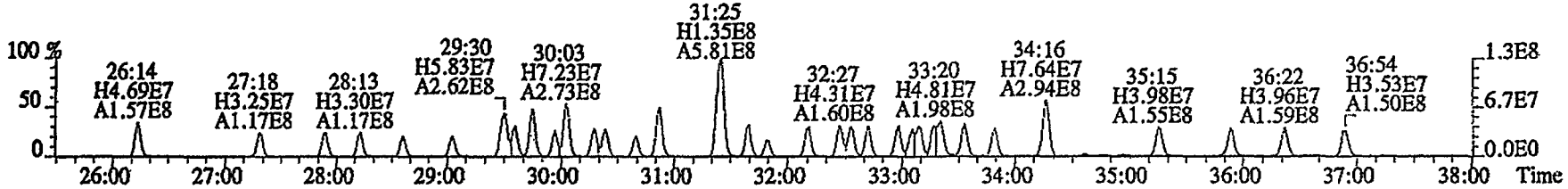
269.9986 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16440.0,0.00%,F,F)



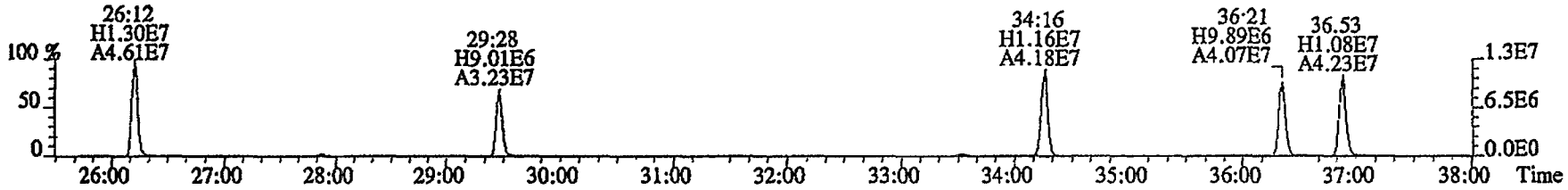
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,50252.0,0.00%,F,F)



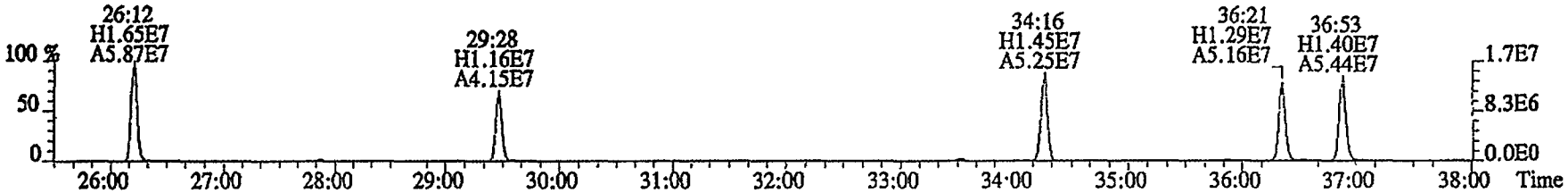
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,59540.0,0.00%,F,F)



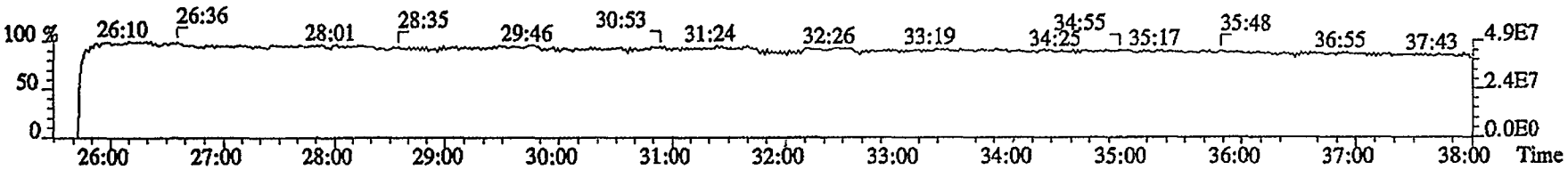
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2632.0,0.00%,F,F)



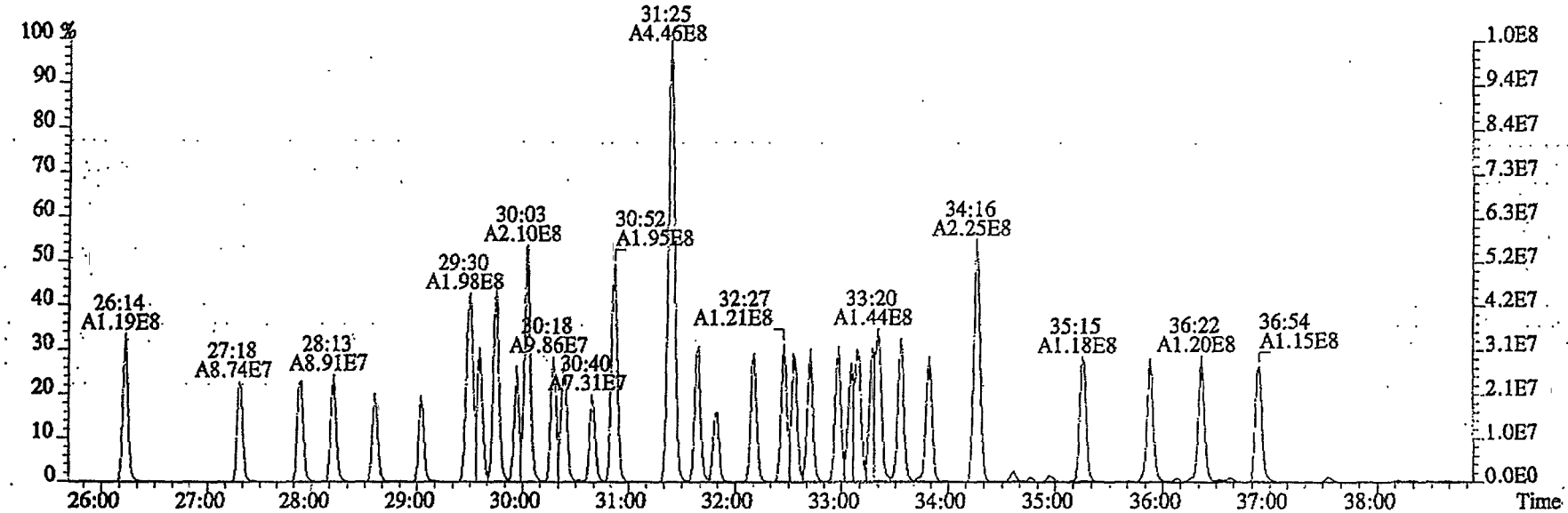
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,368.0,0.00%,F,F)



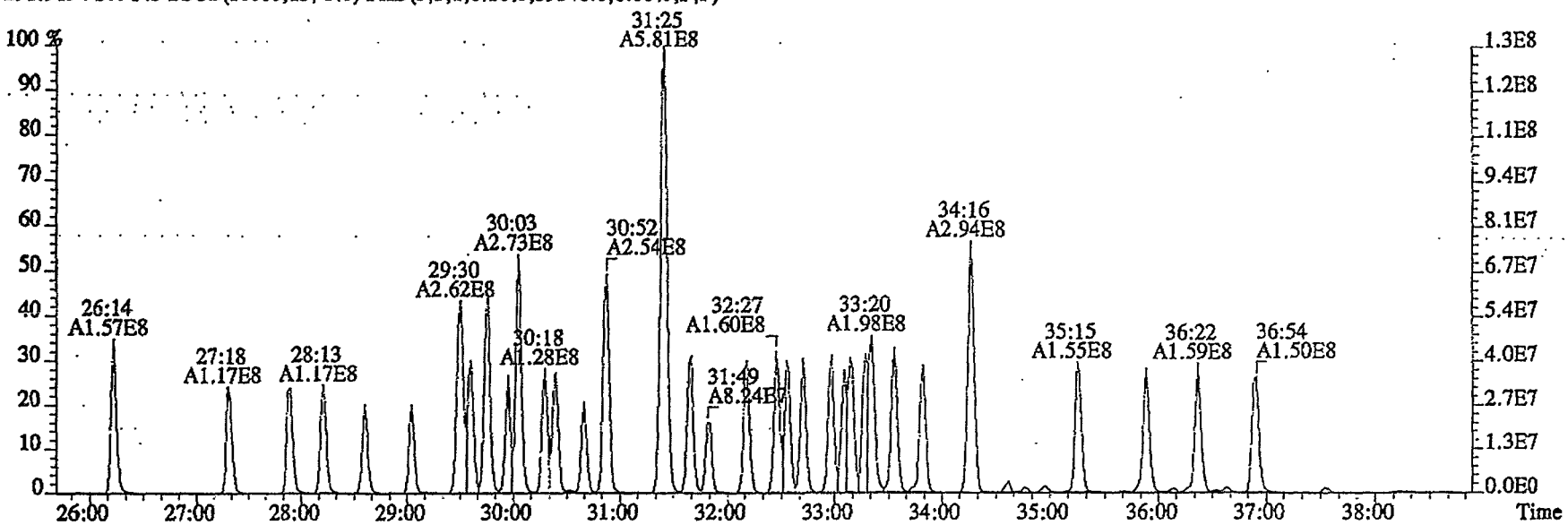
330.9792 S:4 F:3



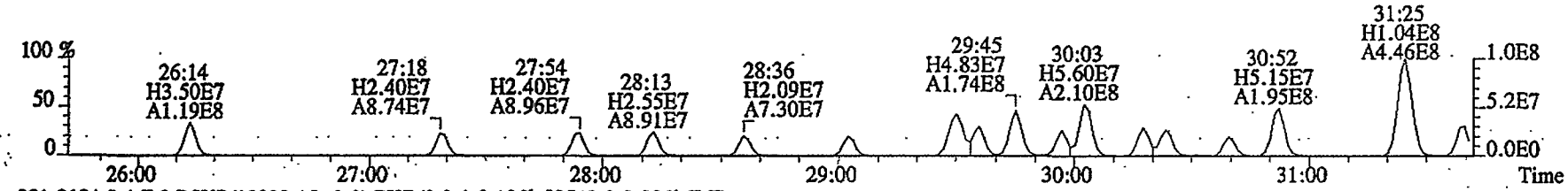
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,50252.0,0.00%,F,F)



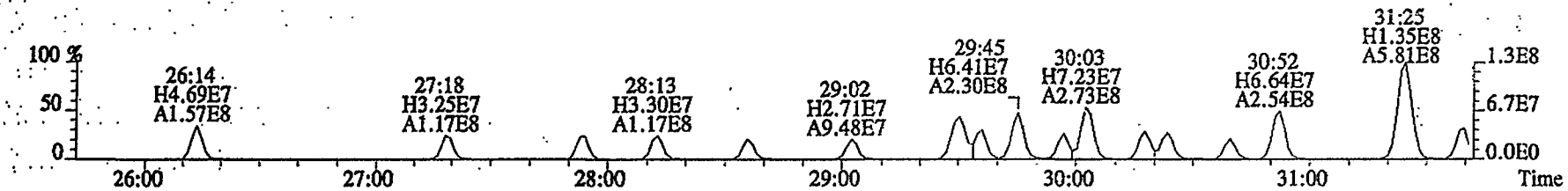
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,59540.0,0.00%,F,F)



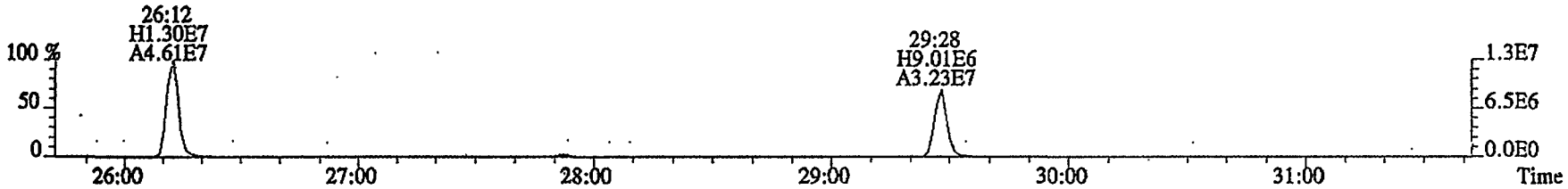
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,50252.0,0.00%,F,F)



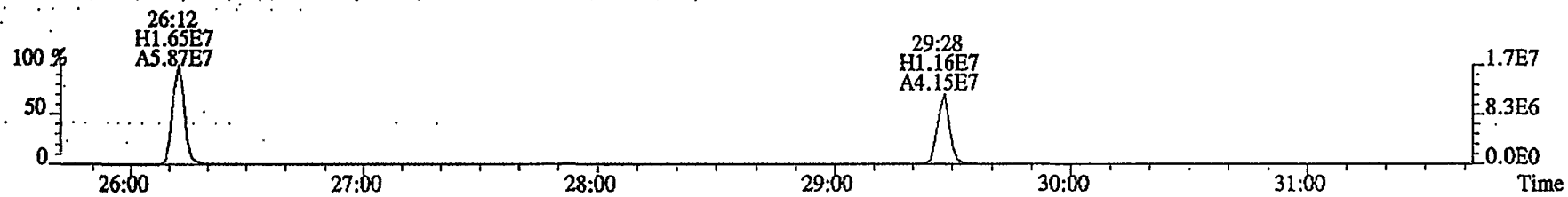
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,59540.0,0.00%,F,F)



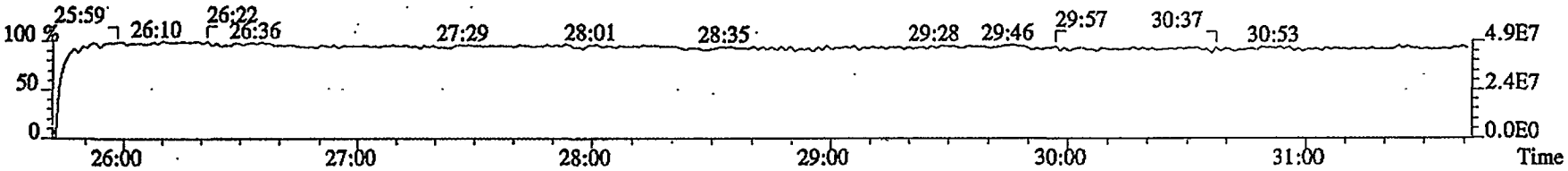
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2632.0,0.00%,F,F)



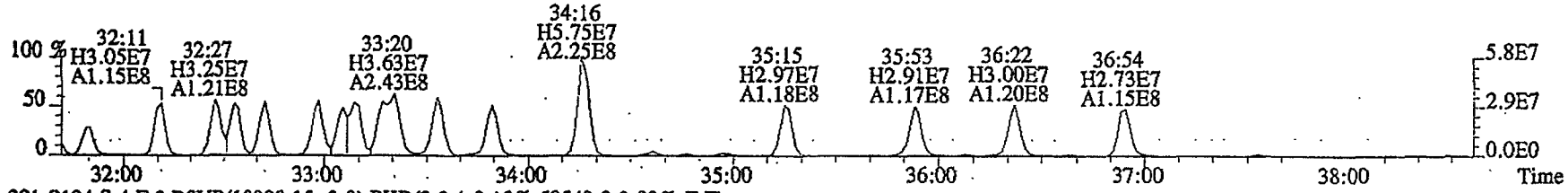
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,368.0,0.00%,F,F)



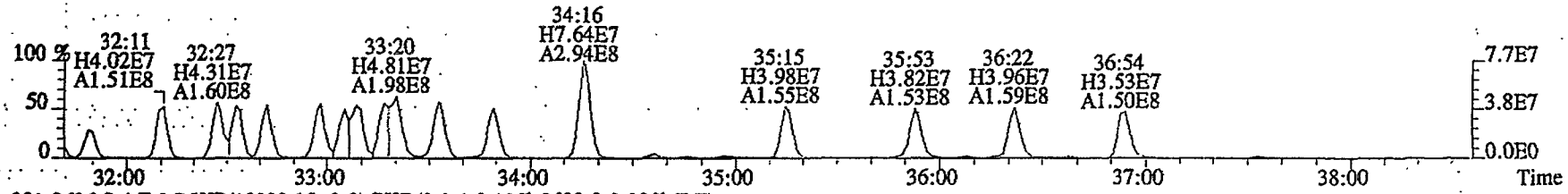
330.9792 S:4 F:3



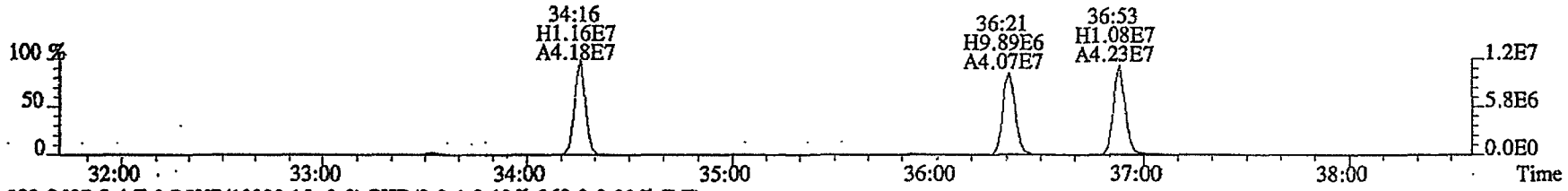
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,50252.0,0.00%,F,F)



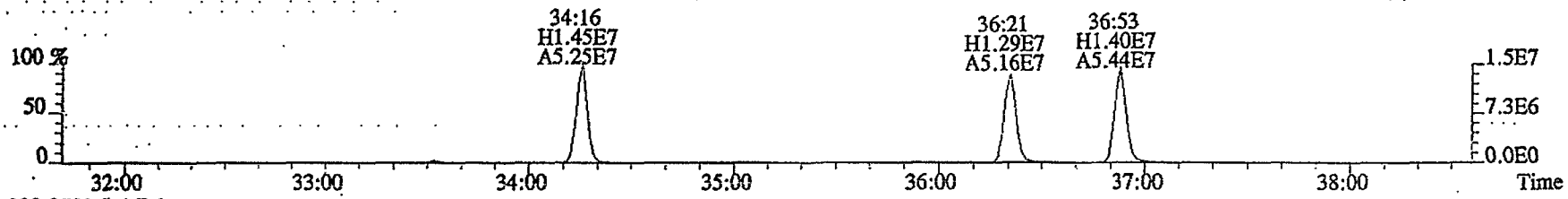
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,59540.0,0.00%,F,F)



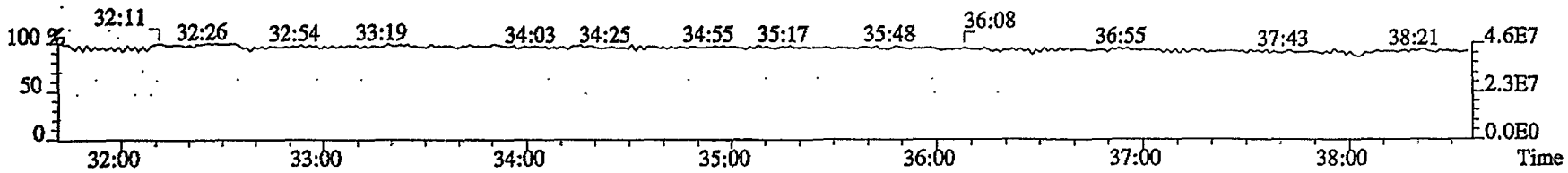
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2632.0,0.00%,F,F)



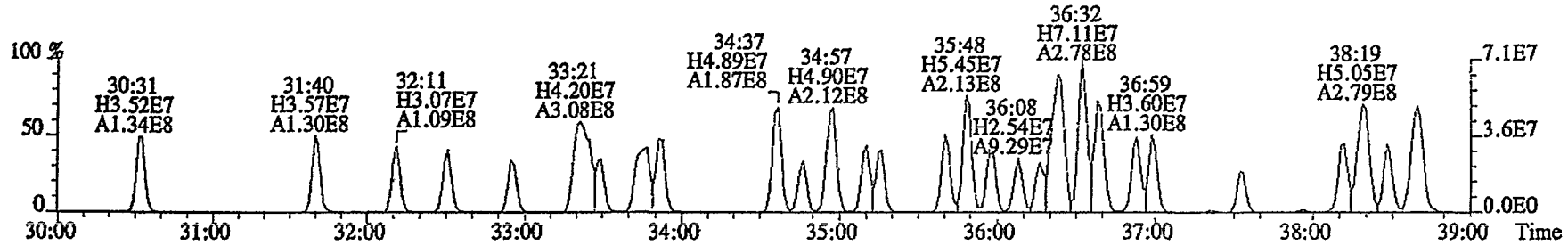
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,368.0,0.00%,F,F)



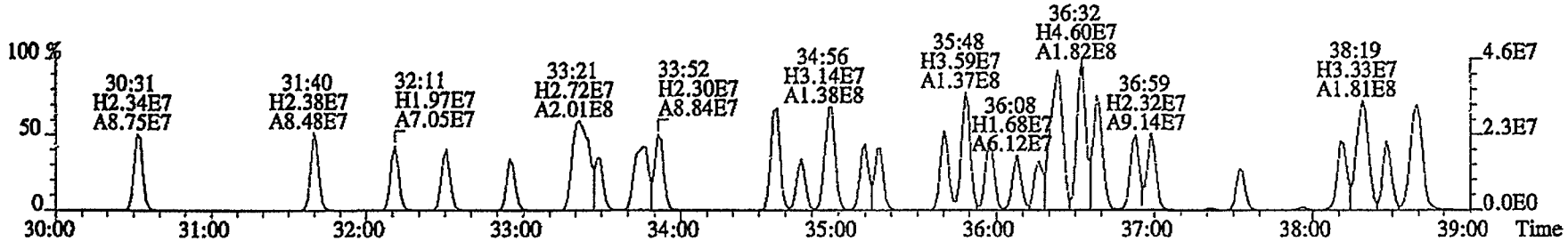
330.9792 S:4 F:3



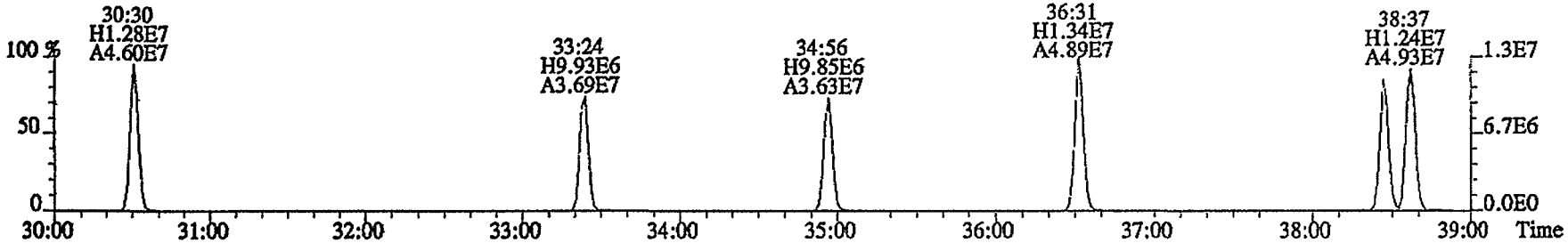
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



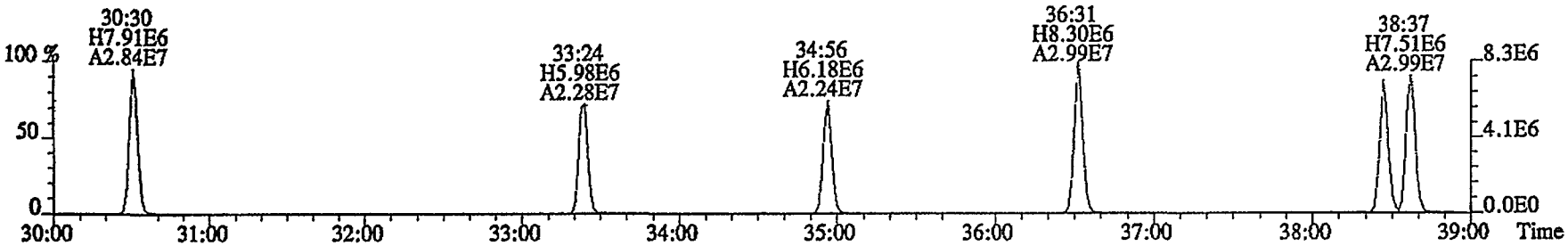
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2212.0,0.00%,F,F)



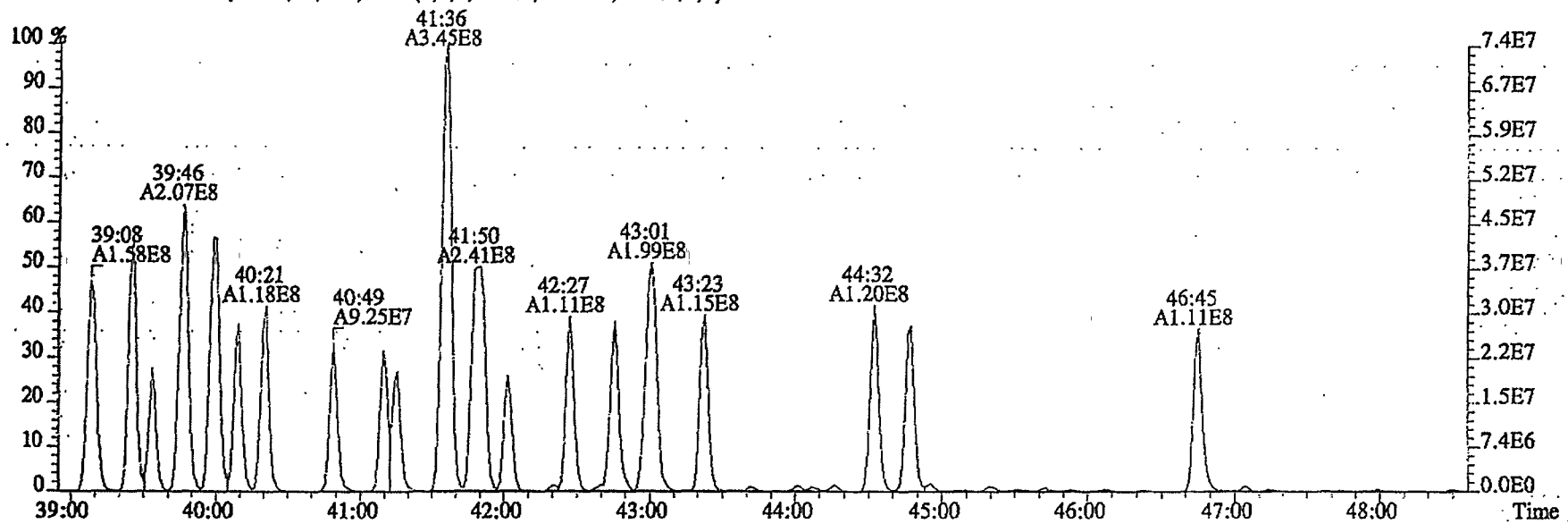
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1016.0,0.00%,F,F)



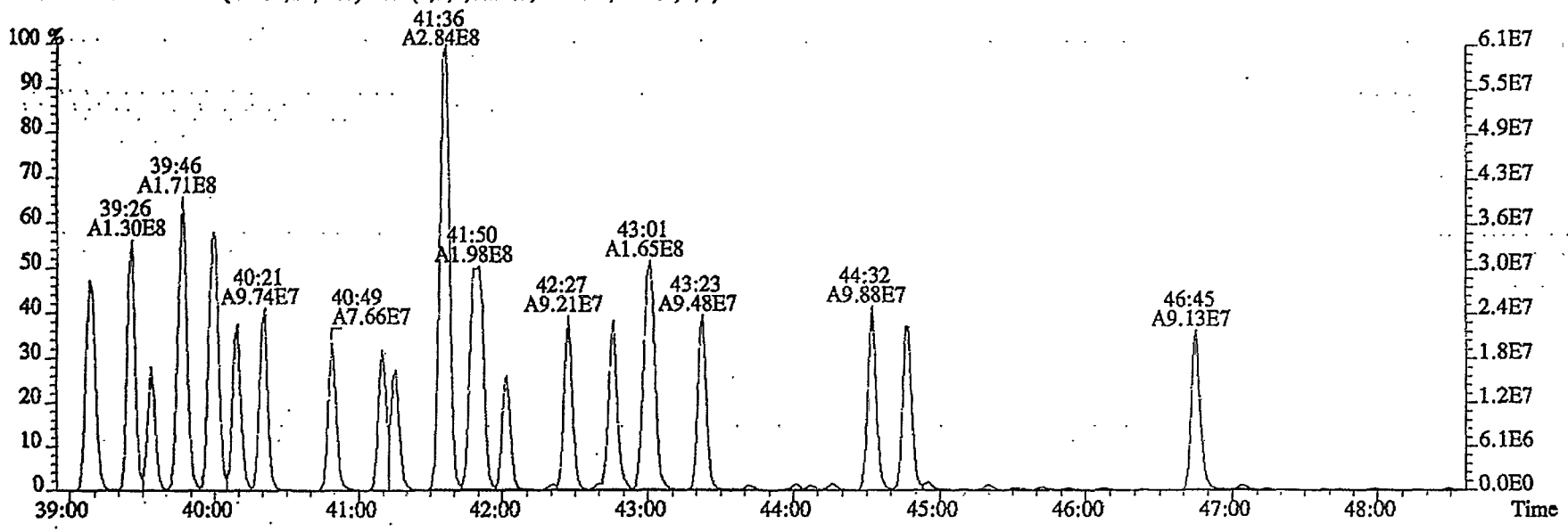
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



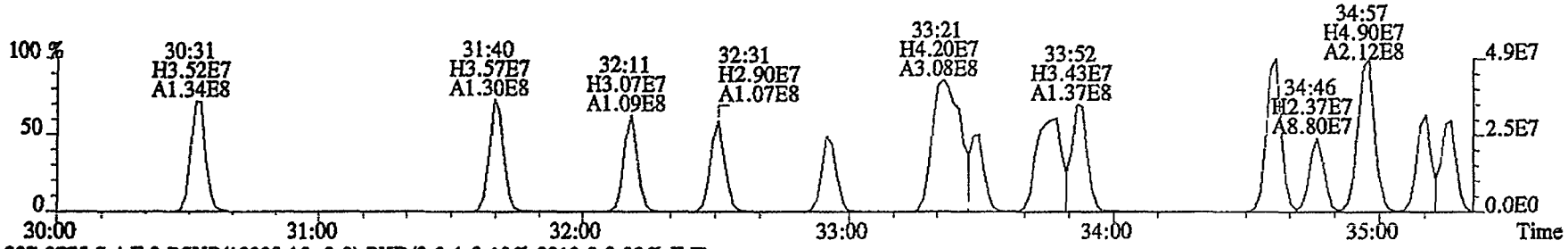
File:030929E1 #1-503 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
359.8415 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29064.0,0.00%,F,F)



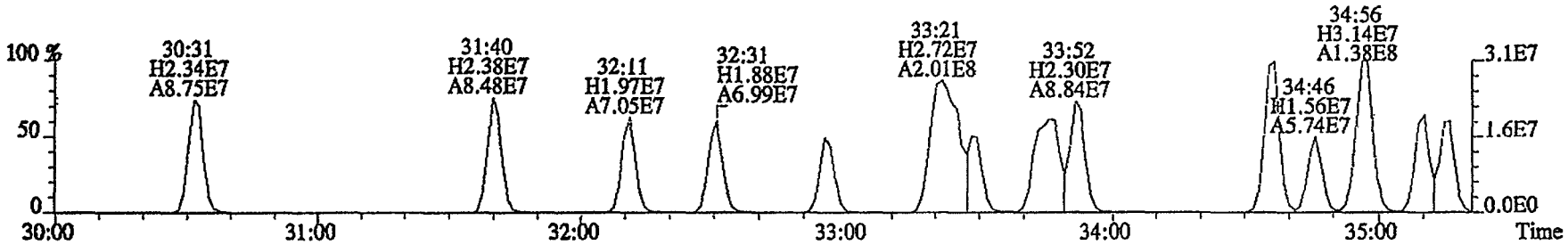
361.8385 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26584.0,0.00%,F,F)



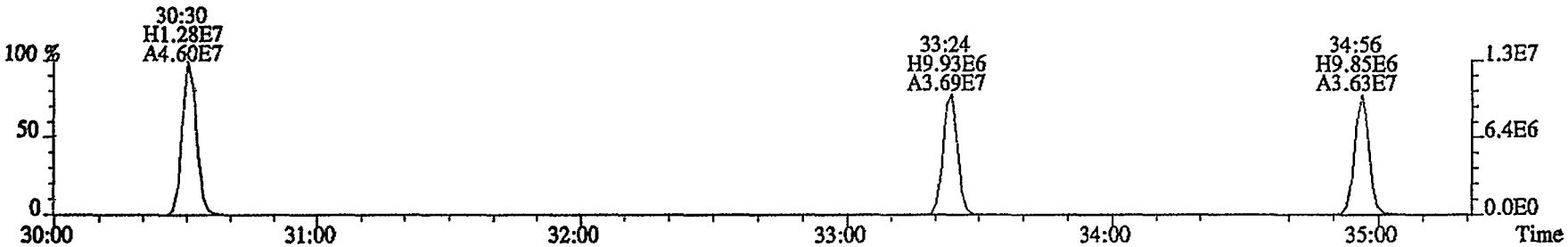
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



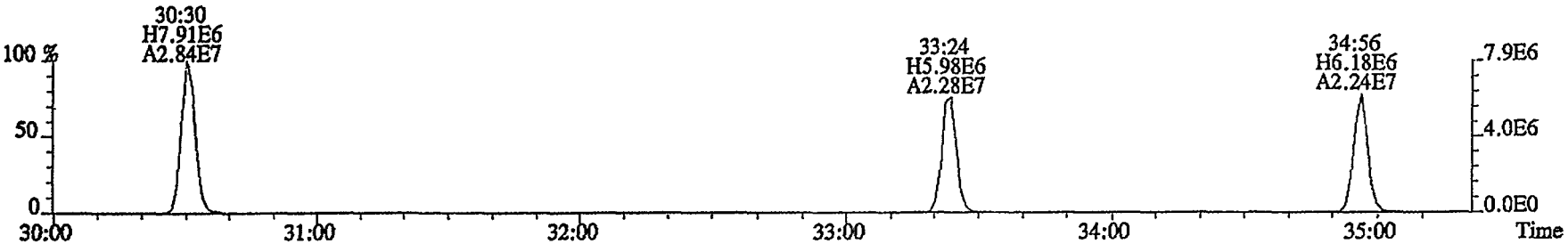
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2212.0,0.00%,F,F)



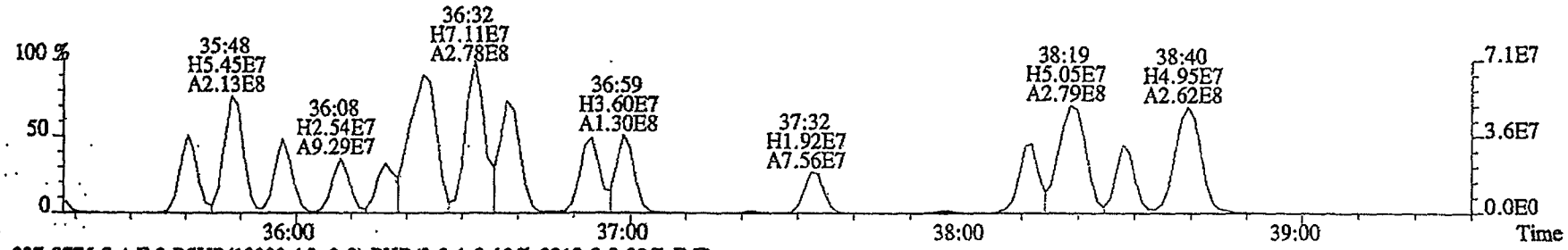
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1016.0,0.00%,F,F)



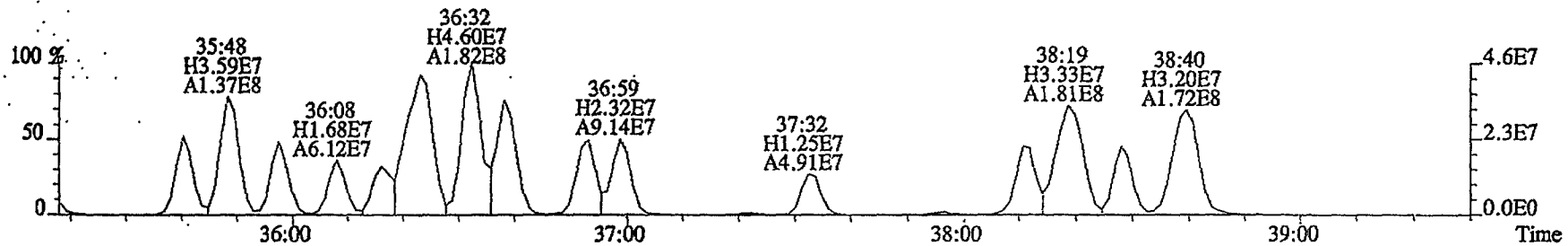
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



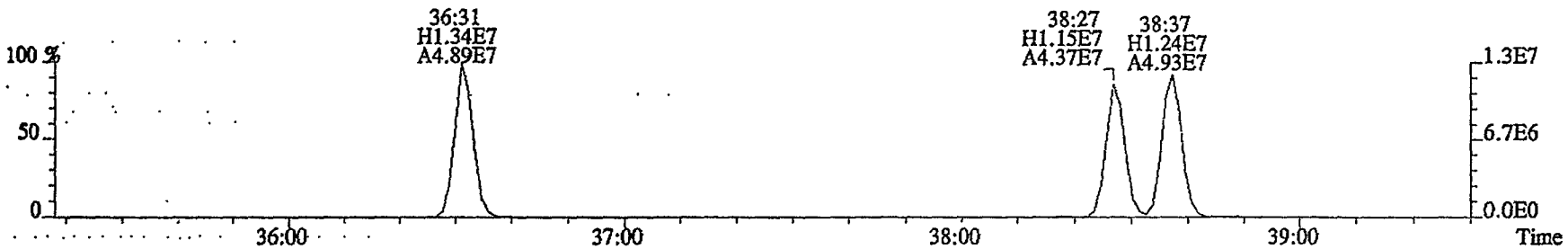
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,F)



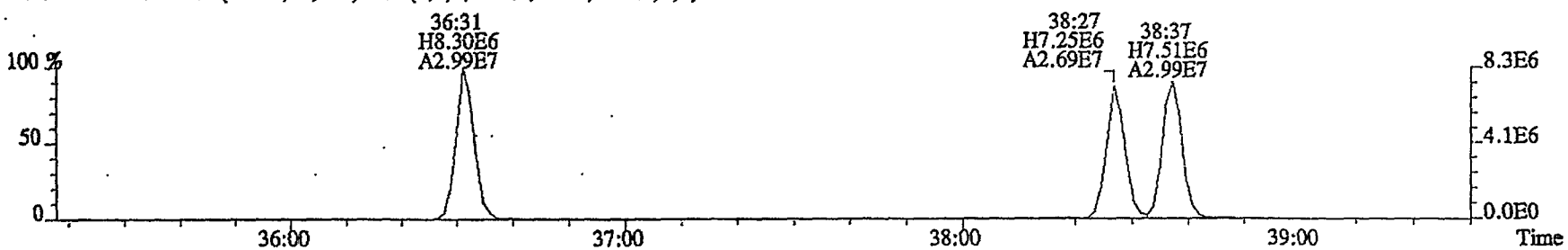
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2212.0,0.00%,F,F)



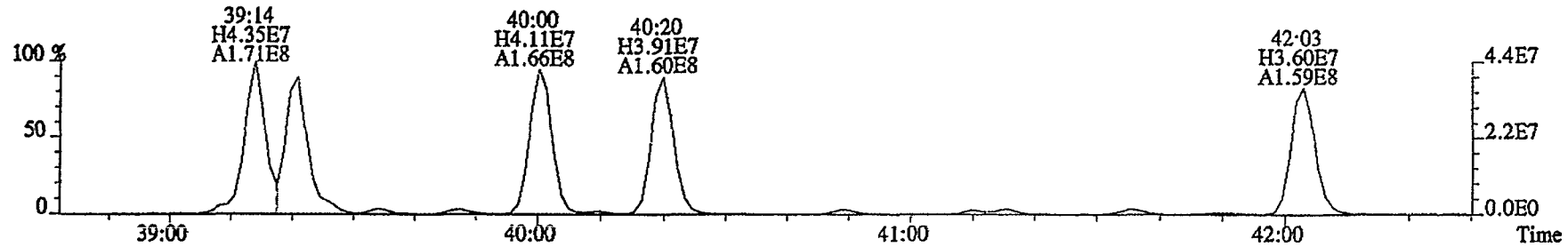
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1016.0,0.00%,F,F)



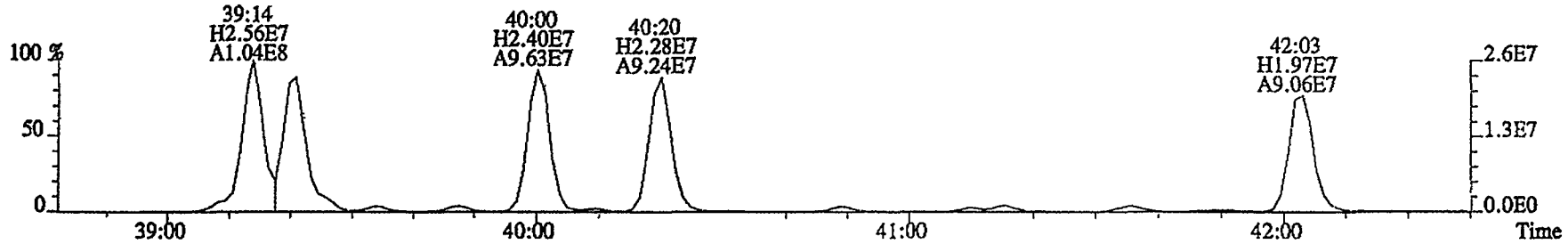
339.9177 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,516.0,0.00%,F,F)



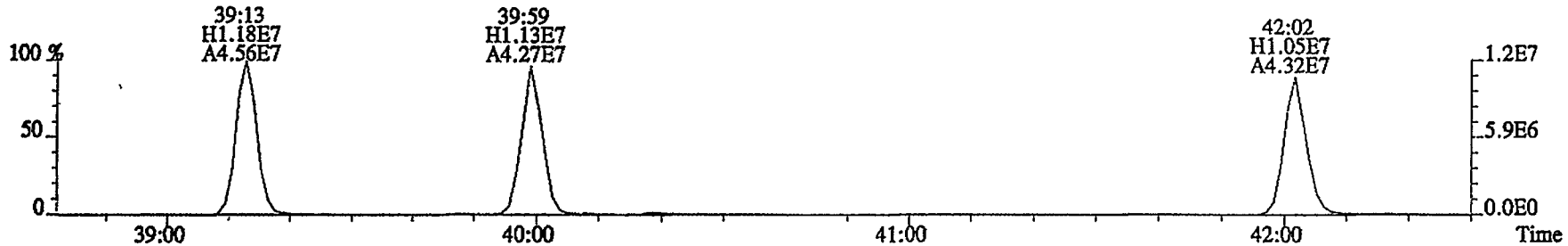
File:030929E1 #1-503 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14168.0,0.00%,F,F)



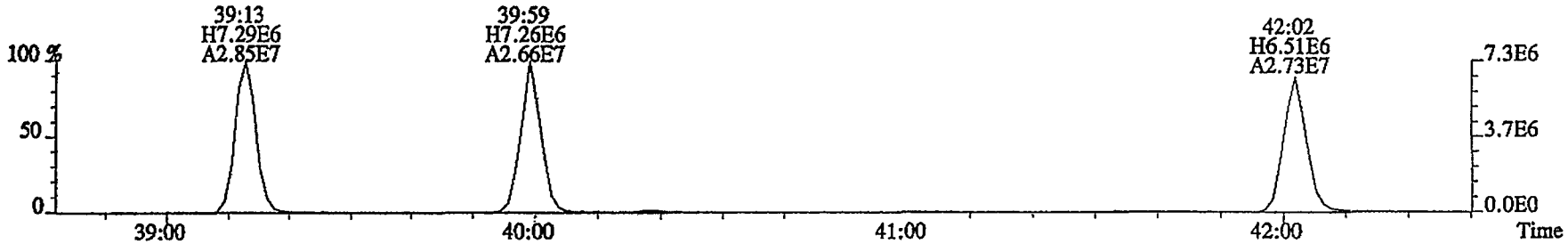
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12248.0,0.00%,F,F)



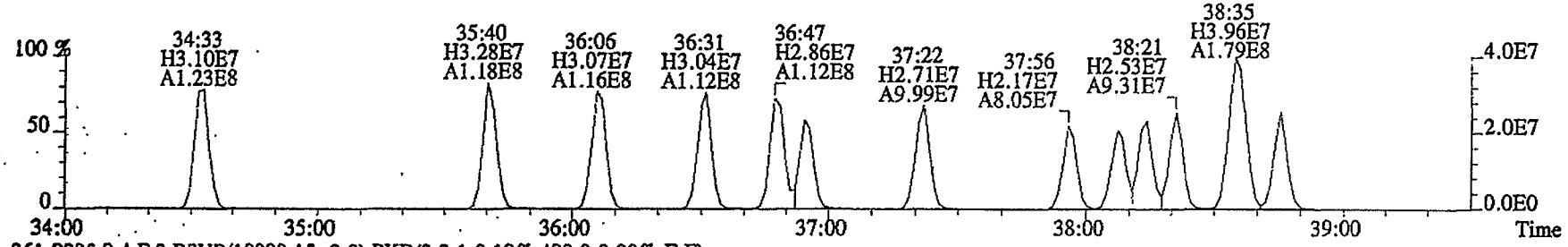
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2932.0,0.00%,F,F)



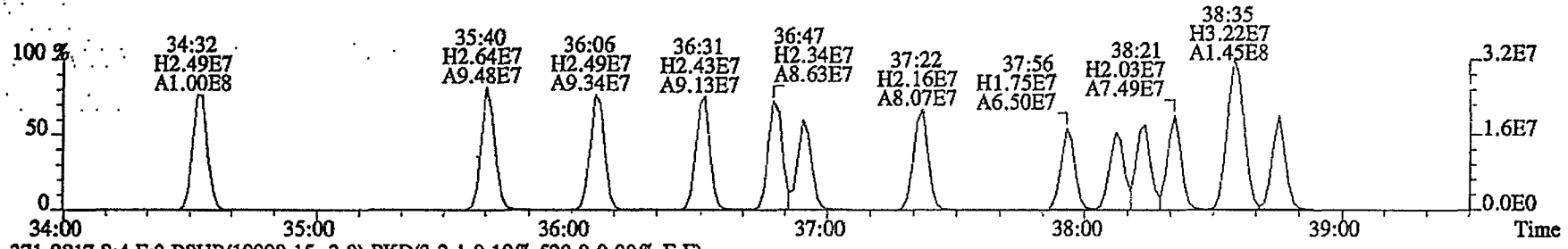
339.9177 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3096.0,0.00%,F,F)



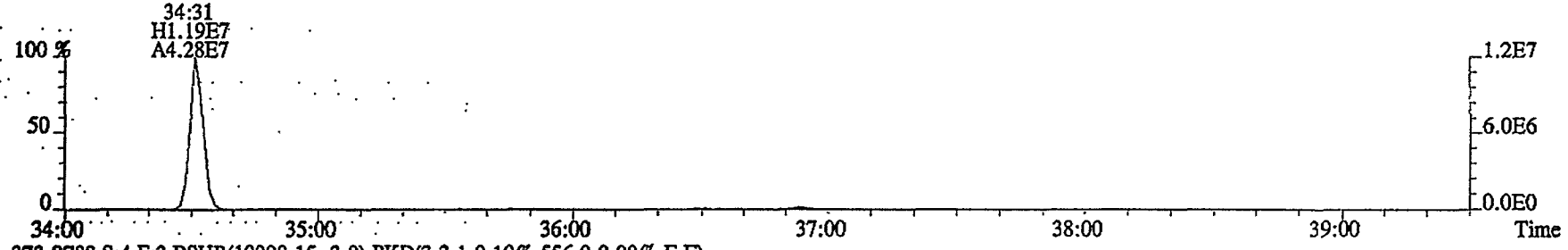
File:030929E1 #1-685 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
359.8415 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,696.0,0.00%,F,F)



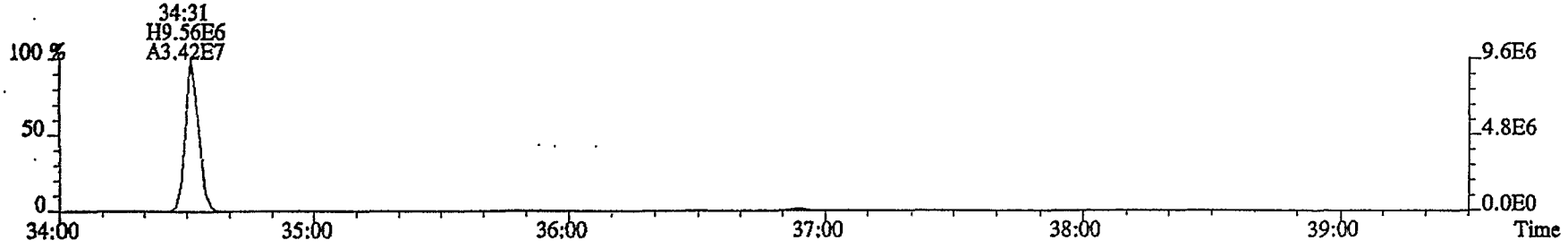
361.8385 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,488.0,0.00%,F,F)



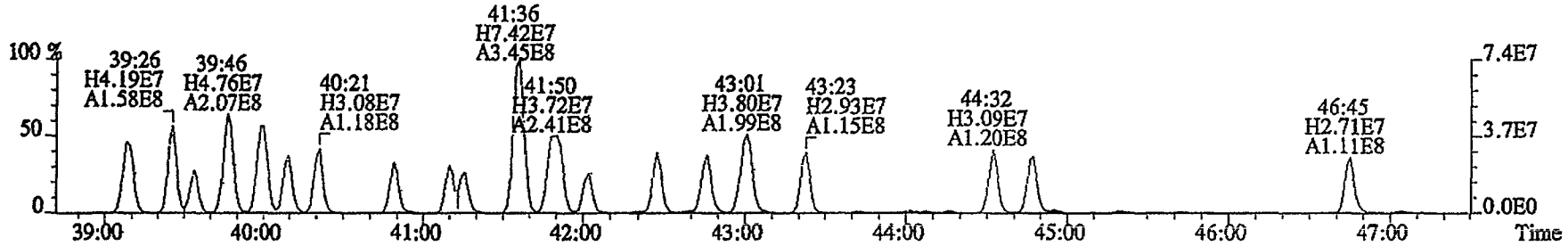
371.8817 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,520.0,0.00%,F,F)



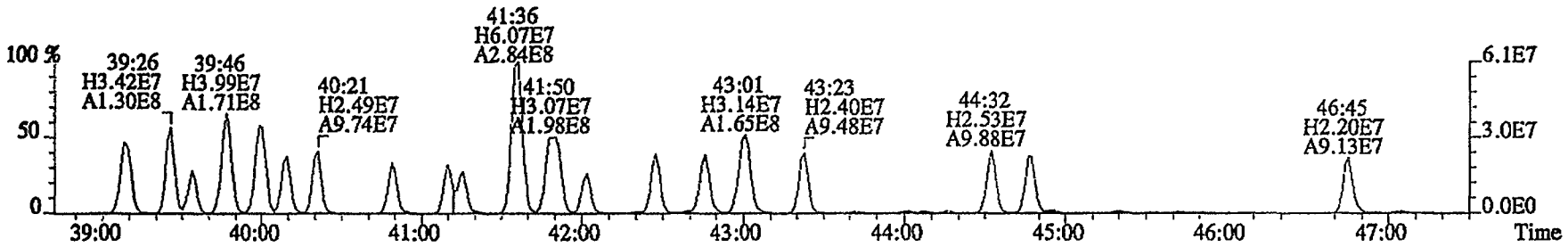
373.8788 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,556.0,0.00%,F,F)



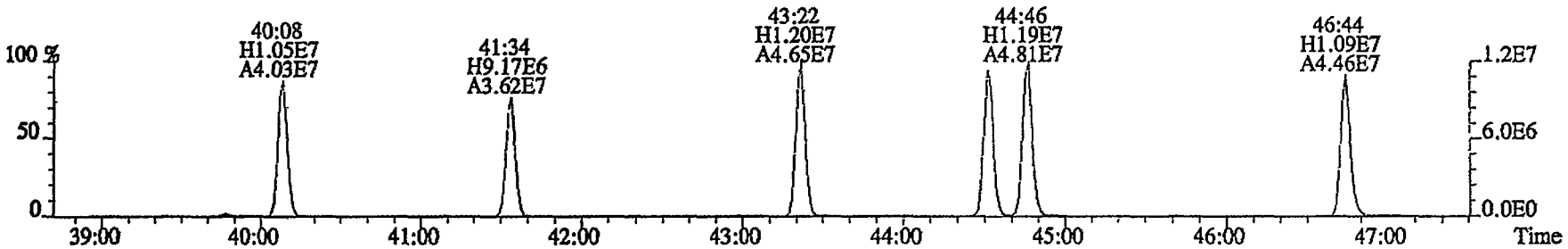
File:030929E1 #1-503 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
359.8415 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,29064.0,0.00%,F,F)



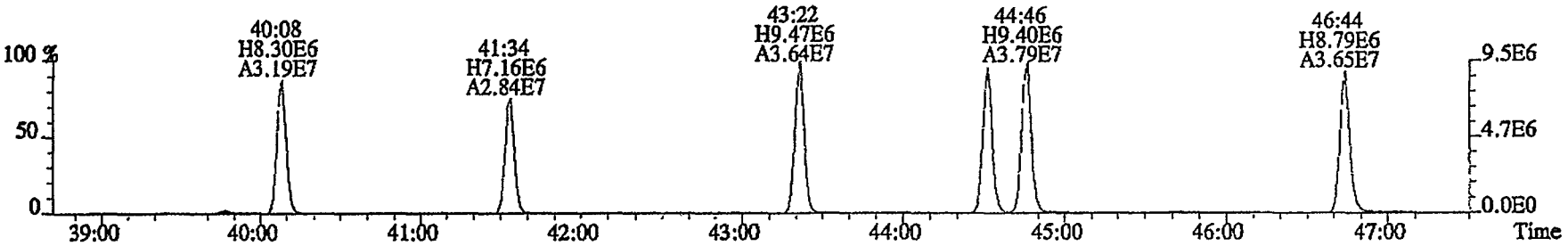
361.8385 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,26584.0,0.00%,F,F)



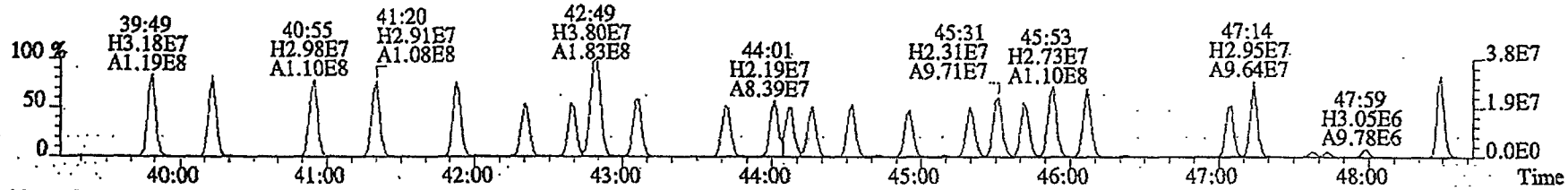
371.8817 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4420.0,0.00%,F,F)



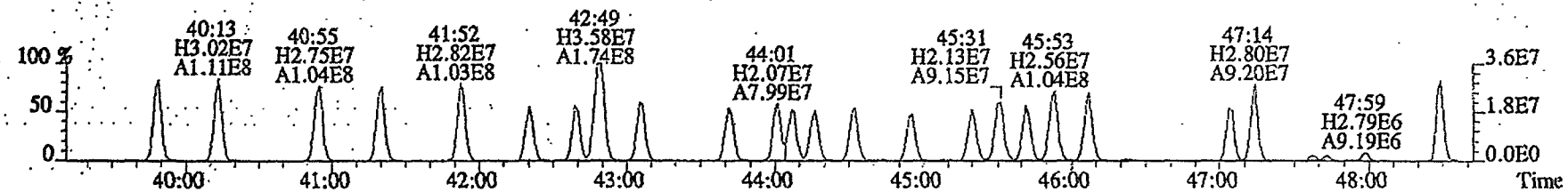
373.8788 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3480.0,0.00%,F,F)



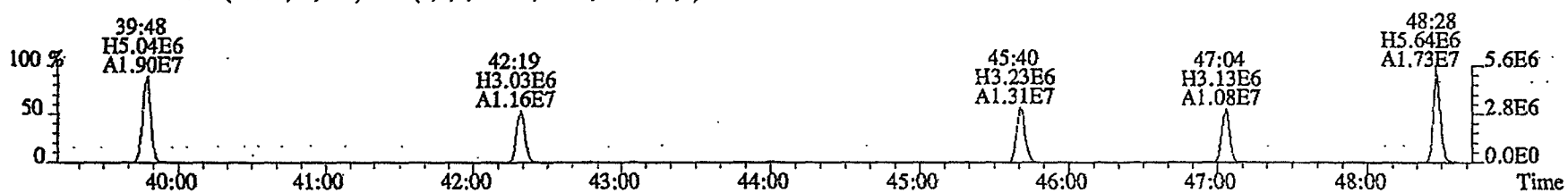
File:030929E1 #1-503 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
393.8025 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,10776.0,0.00%,F,F)



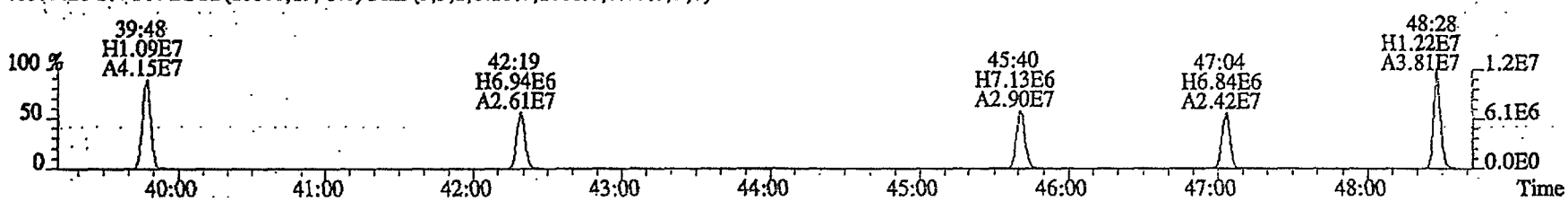
395.7995 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8448.0,0.00%,F,F)



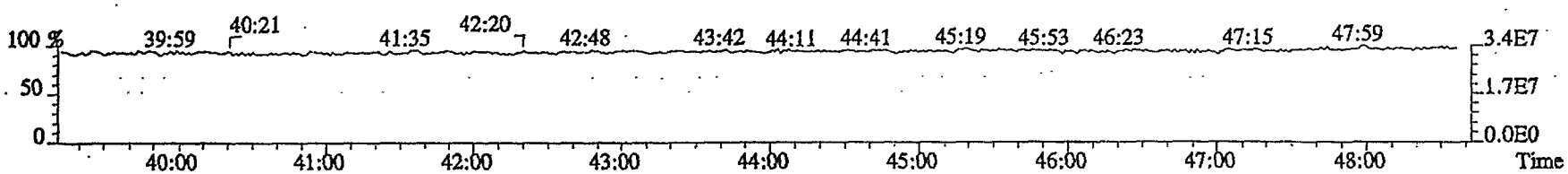
403.8457 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,640.0,0.00%,F,F)



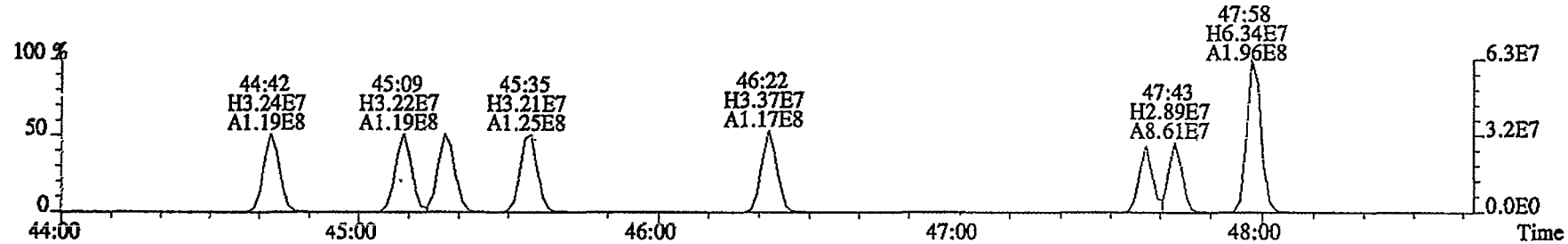
405.8428 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1068.0,0.00%,F,F)



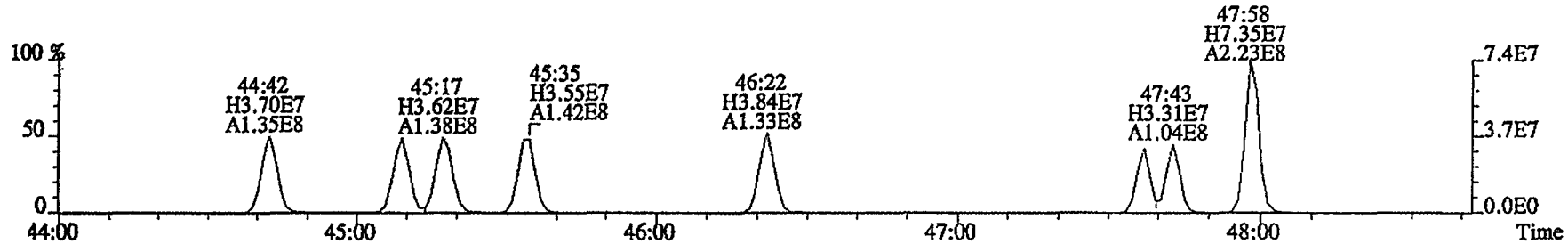
380.9760 S:4 F:4



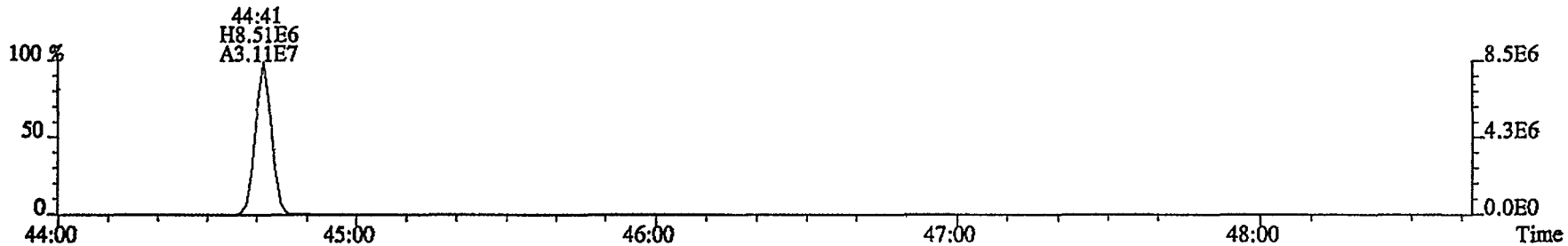
File:030929E1 #1-503 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
427.7635 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,588.0,0.00%,F,F)



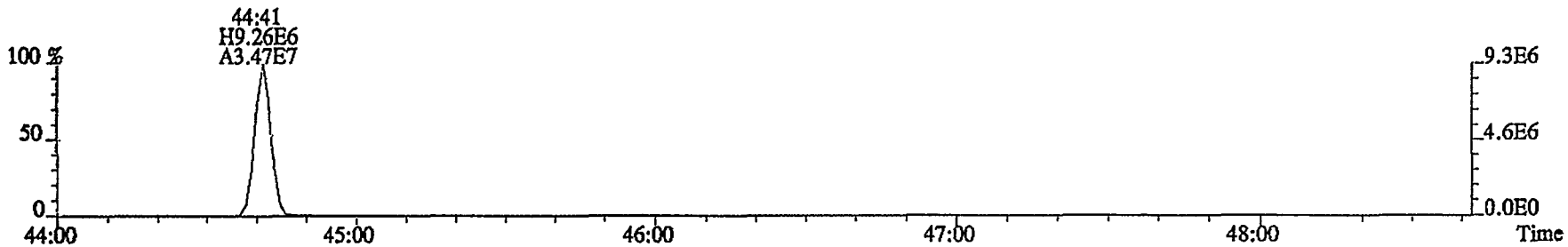
429.7606 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,580.0,0.00%,F,F)



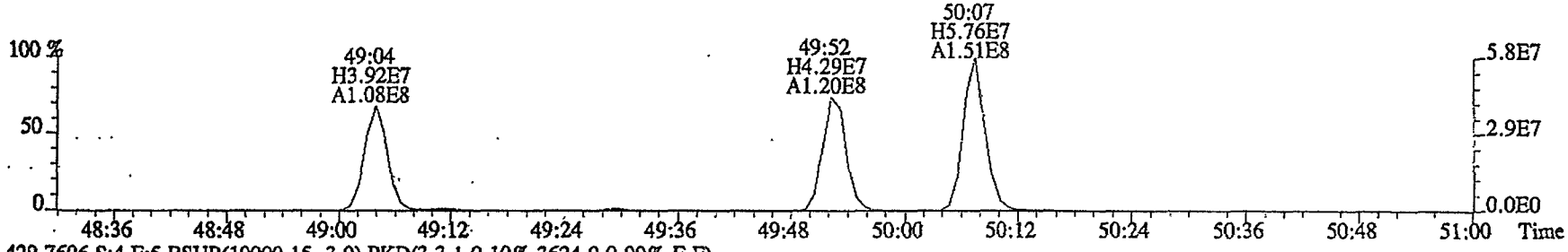
439.8038 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,492.0,0.00%,F,F)



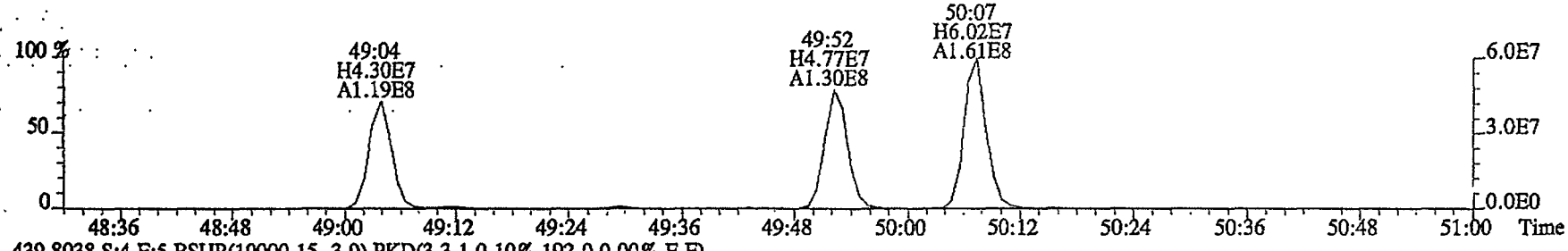
441.8008 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,556.0,0.00%,F,F)



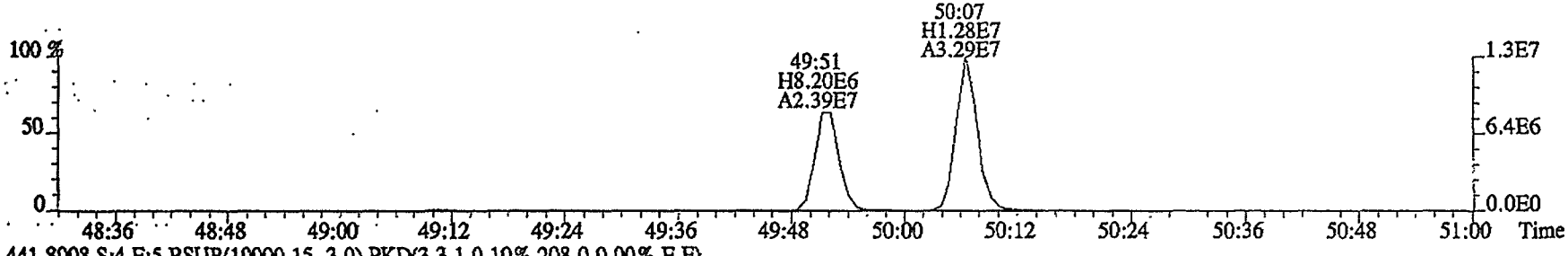
File:030929E1 #1-429 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5156.0,0.00%,F,F)



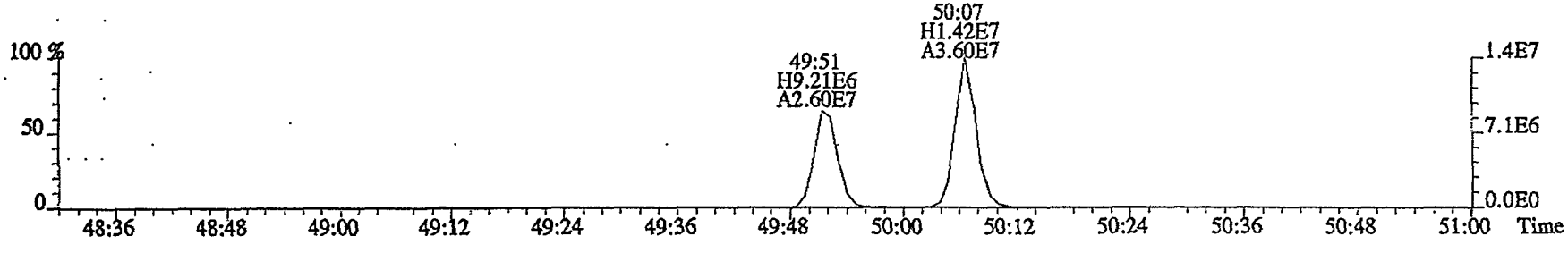
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3624.0,0.00%,F,F)



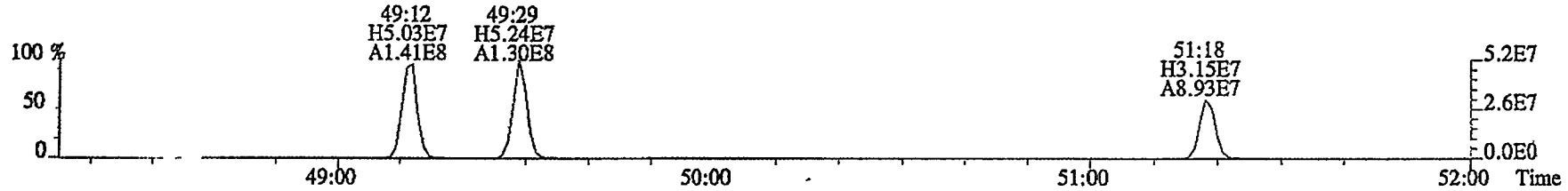
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,192.0,0.00%,F,F)



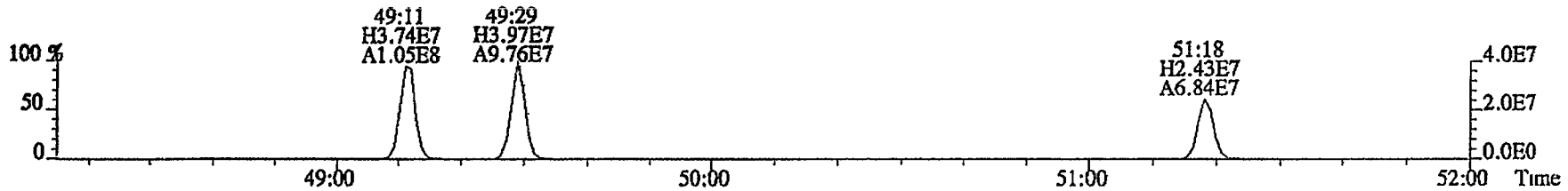
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



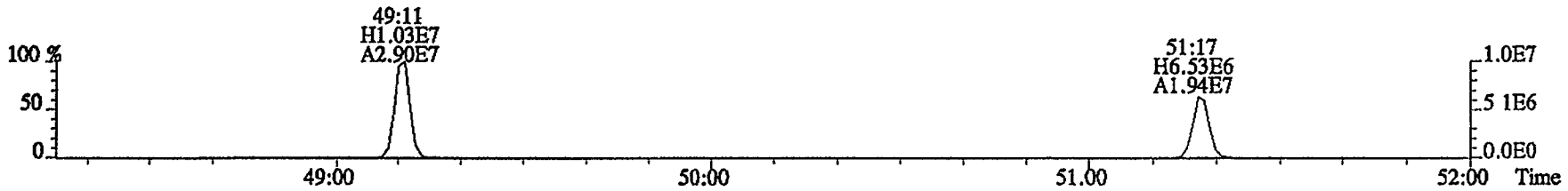
File:030929E1 #1-429 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
463.7216 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1232.0,0.00%,F,F)



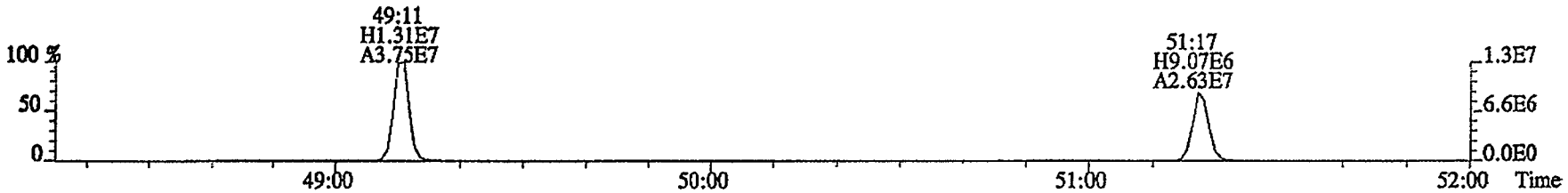
465.7186 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,788.0,0.00%,F,F)



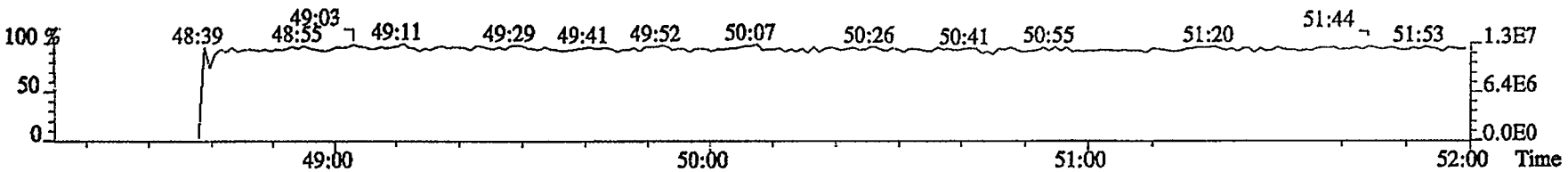
473.7648 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,212.0,0.00%,F,F)



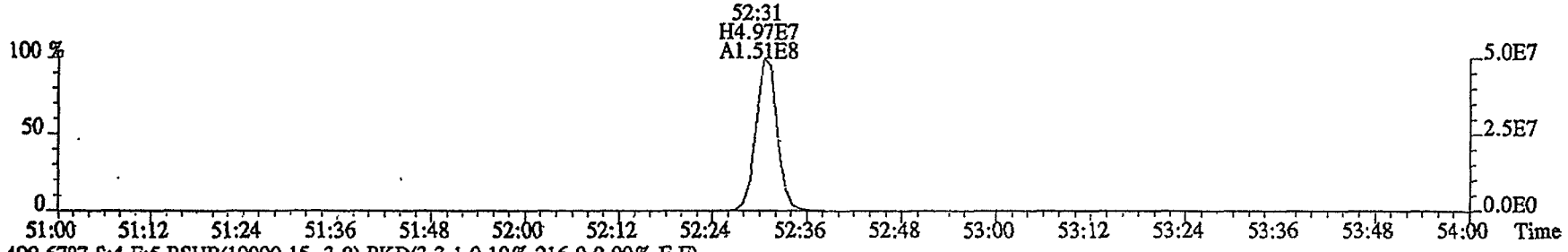
475.7619 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



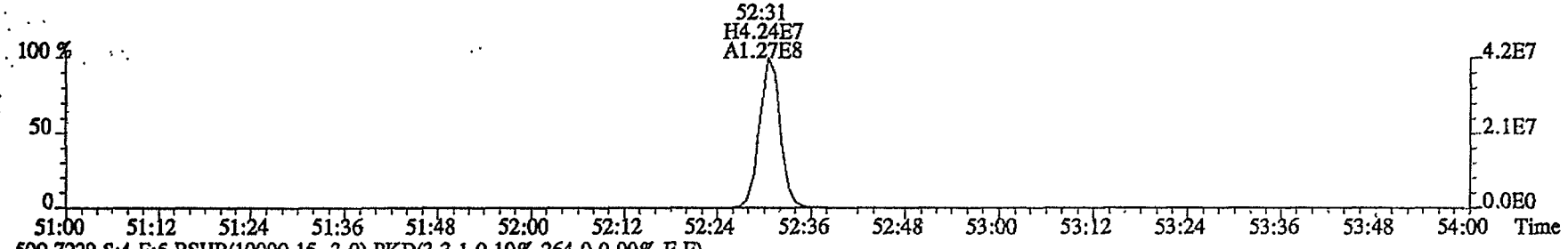
492.9697 S:4 F:5



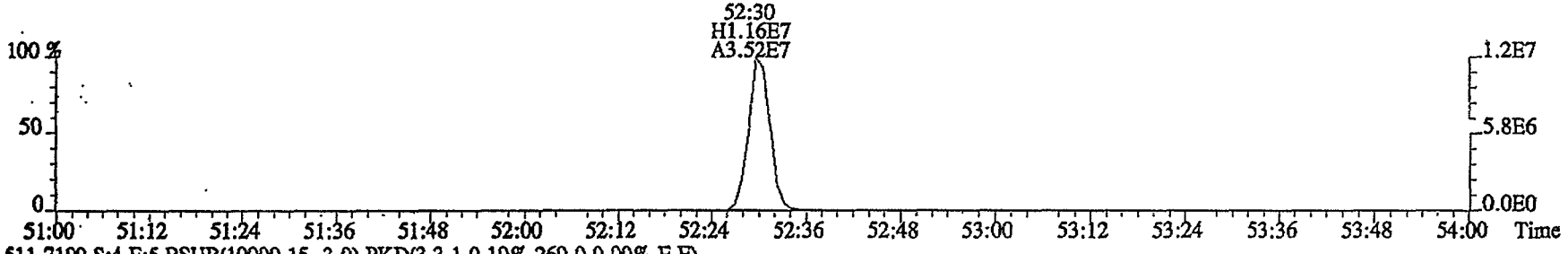
File:030929E1 #1-429 Acq:29-SEP-2003 15:07:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Alta Analytical Laboratory Text:ST030929E1-4 PCB 209 CS4 030916H Exp:PCB_DB1
497.6826 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,292.0,0.00%,F,F)



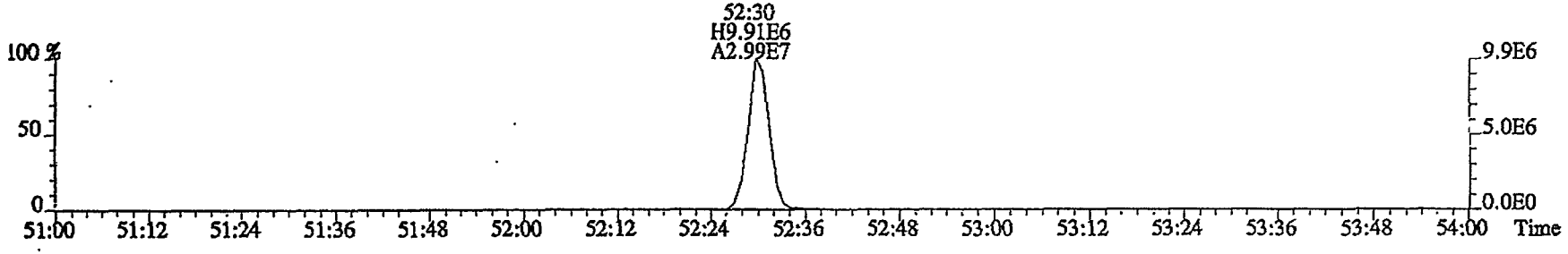
499.6797 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,216.0,0.00%,F,F)



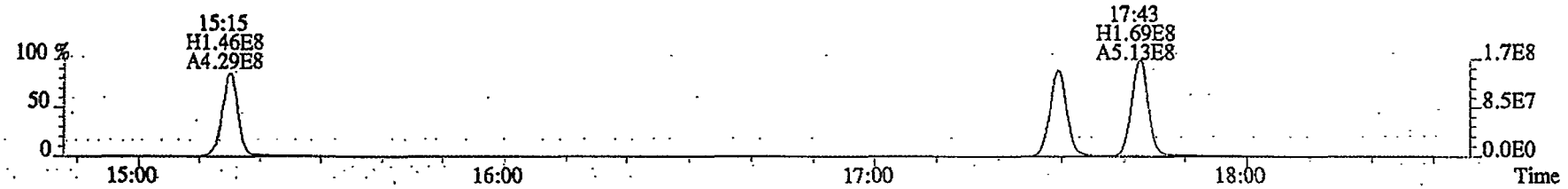
509.7229 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



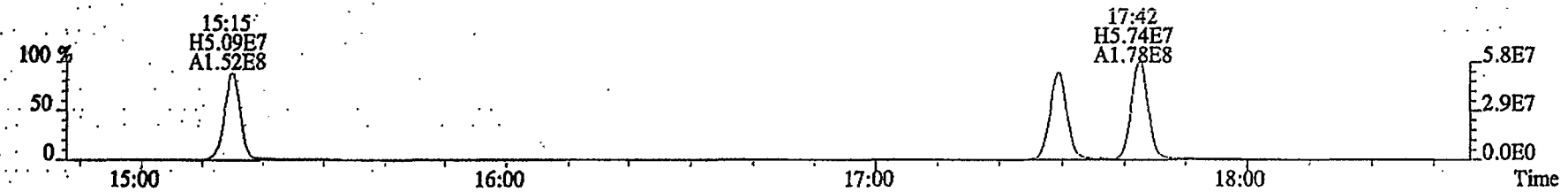
511.7199 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



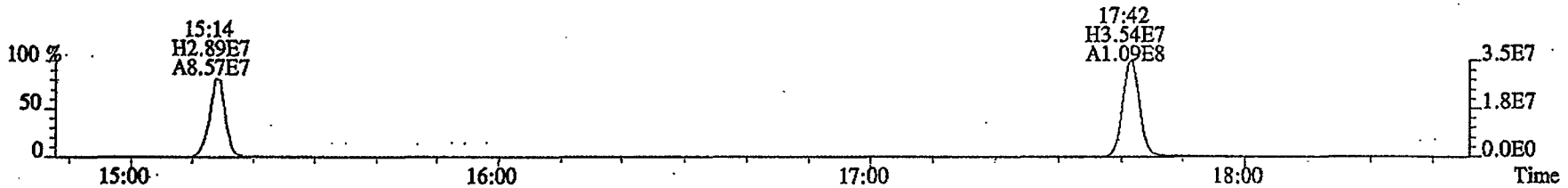
File:030929E1 #1-728 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
188.0393 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3284.0,0.00%,F,F)



190.0363 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2008.0,0.00%,F,F)

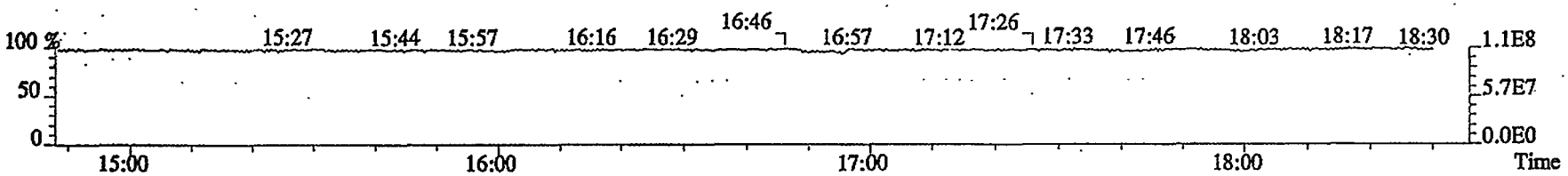


200.0795 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3044.0,0.00%,F,F)

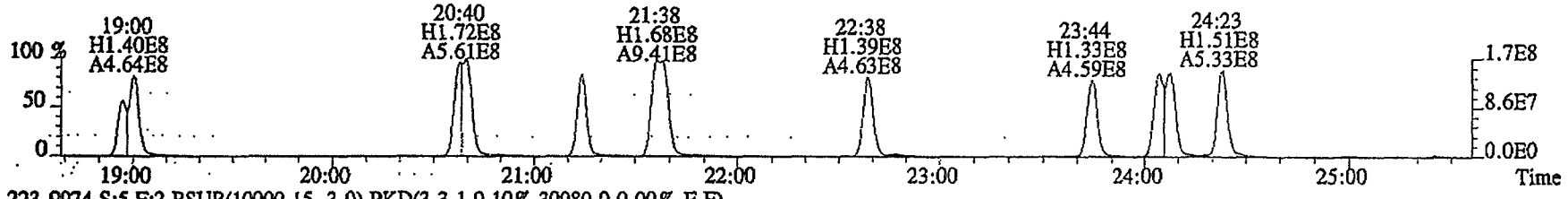


202.0766 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,28336.0,0.00%,F,F)

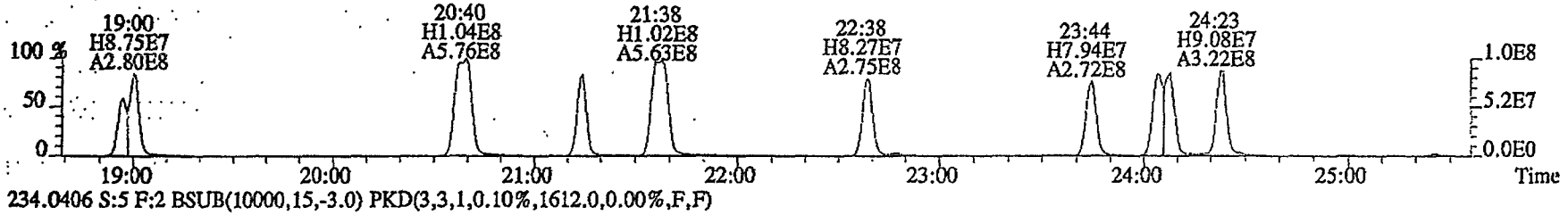
180.9880 S:5



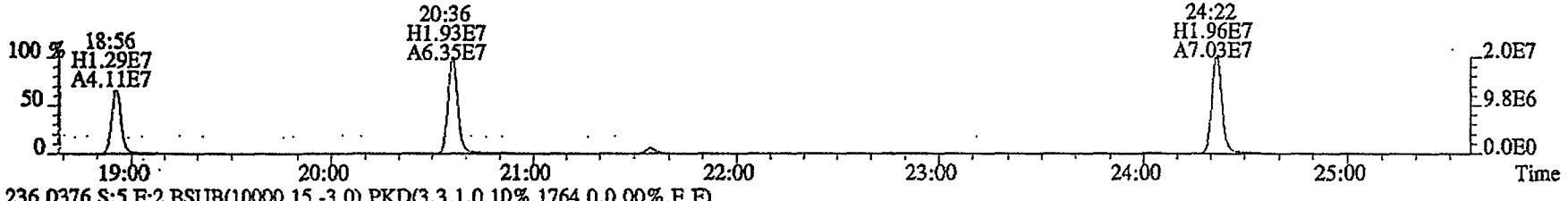
File:030929E1 #1-678 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18924.0,0.00%,F,F)



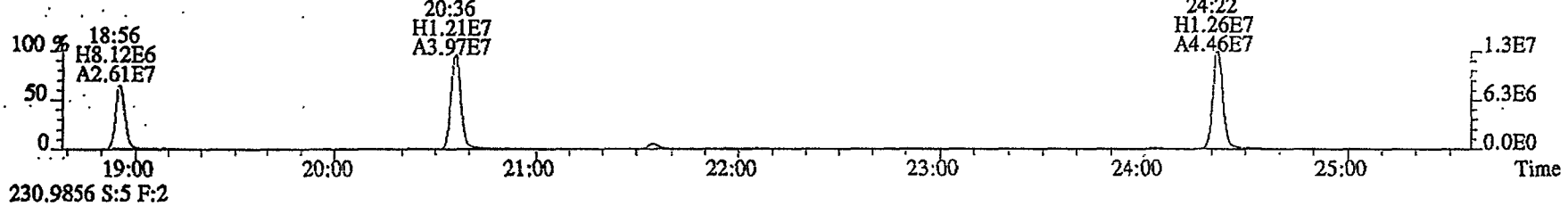
223.9974 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,30080.0,0.00%,F,F)



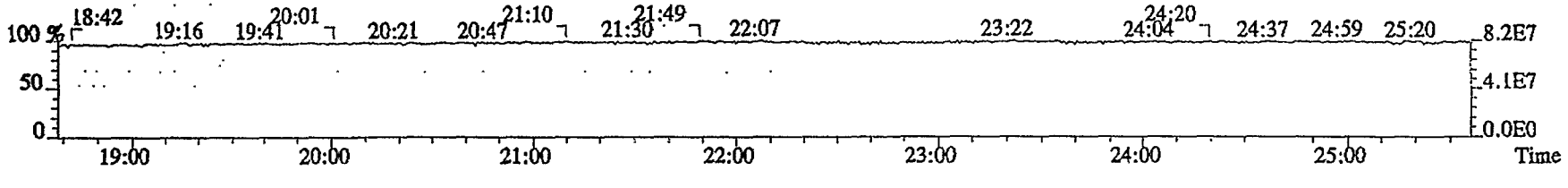
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1612.0,0.00%,F,F)



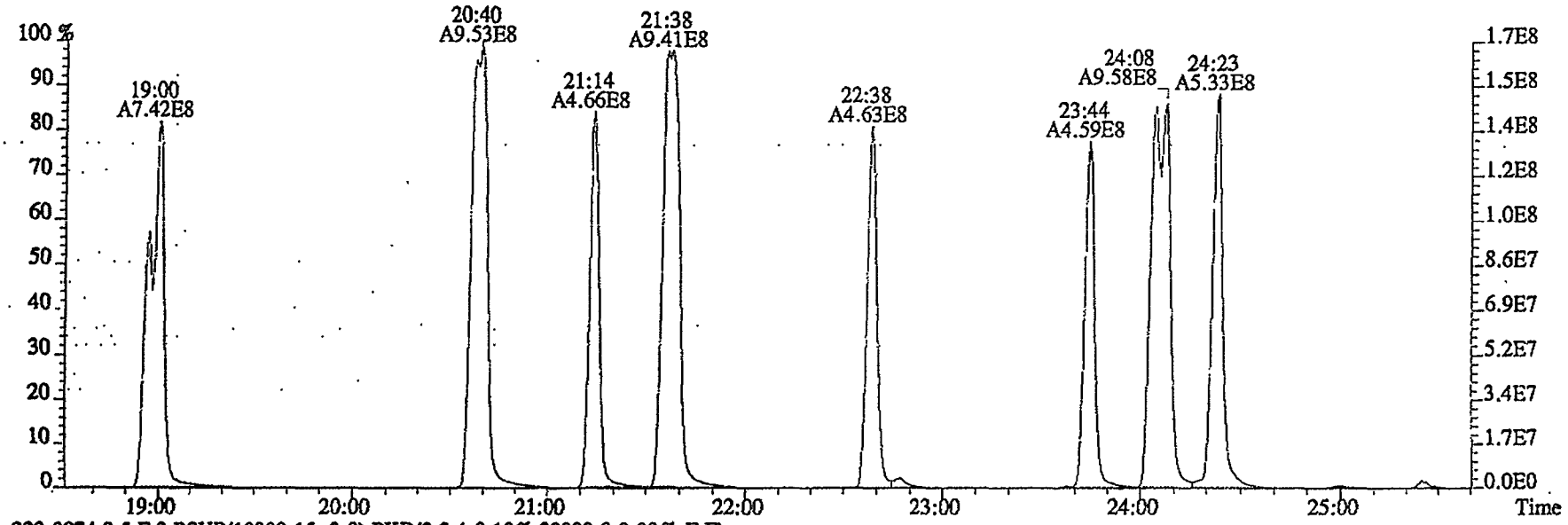
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1764.0,0.00%,F,F)



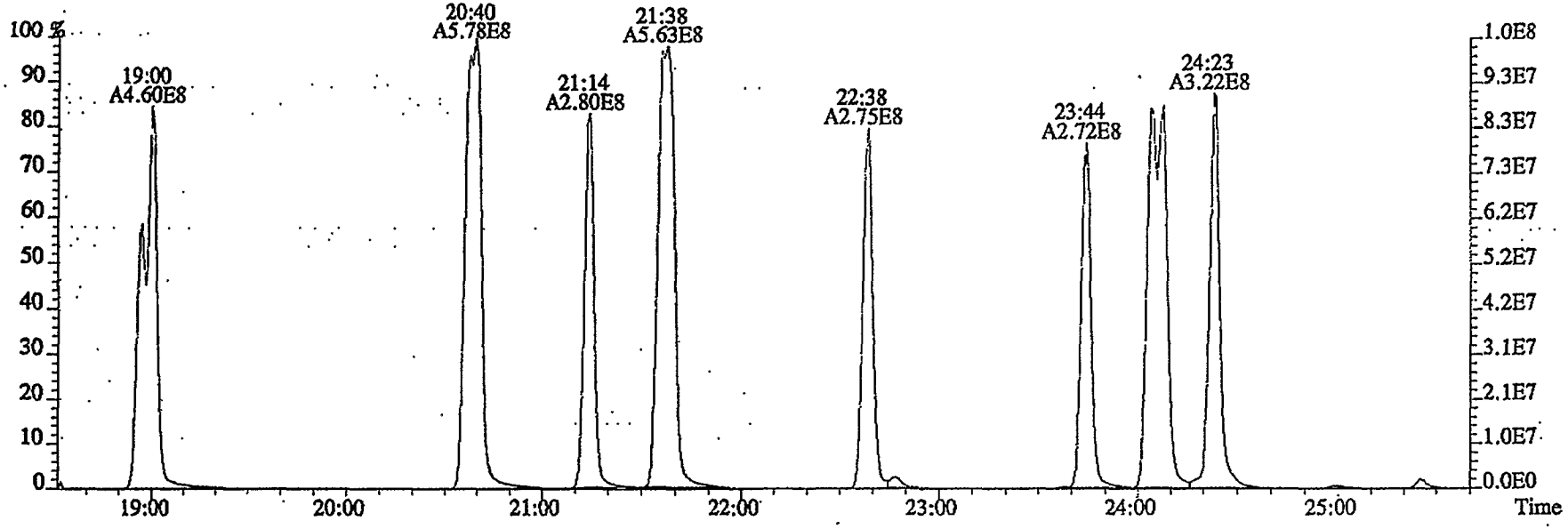
230.9856 S:5 F:2



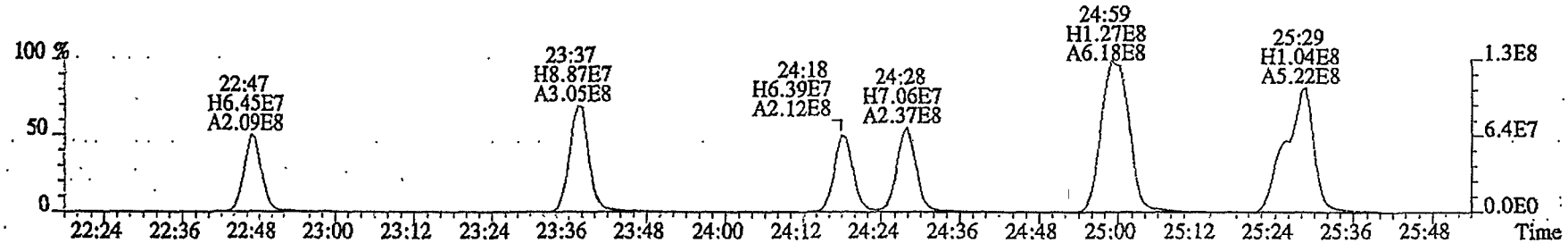
File:030929E1 #1-678 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18924.0,0.00%,F,F)



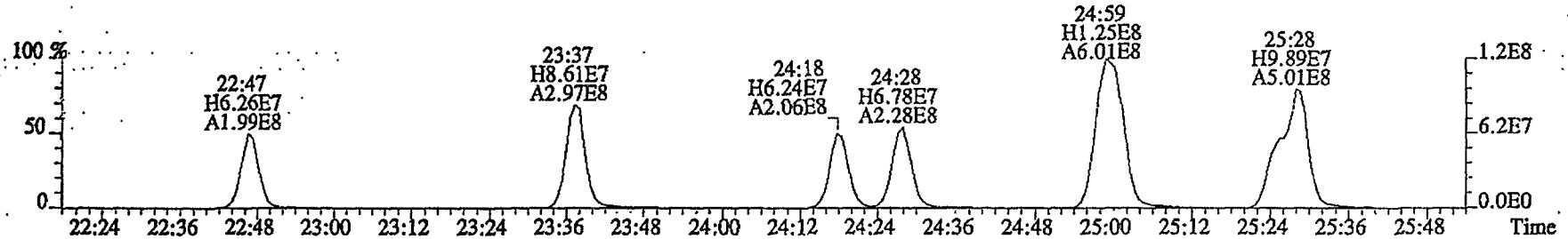
223.9974 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,30080.0,0.00%,F,F)



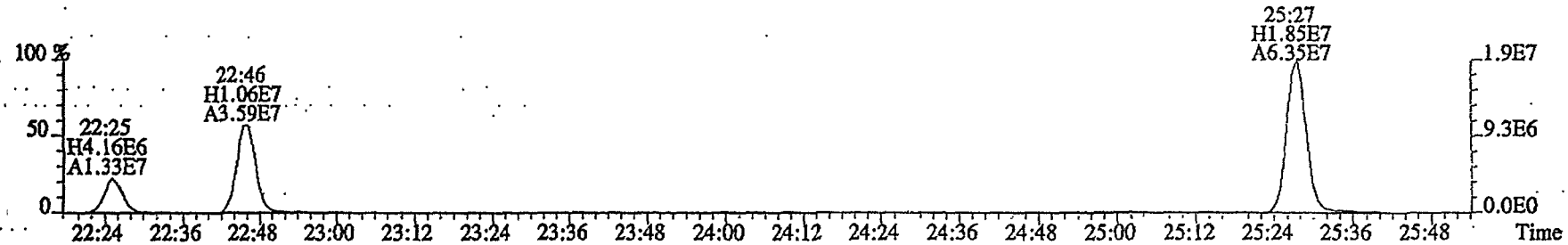
File:030929E1 #1-678 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 0309161 Exp:PCB_DB1
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2188.0,0.00%,F,F)



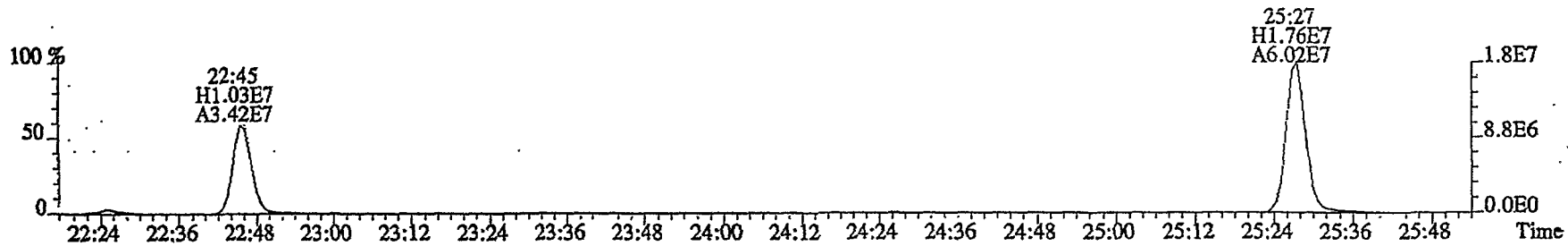
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1076.0,0.00%,F,F)



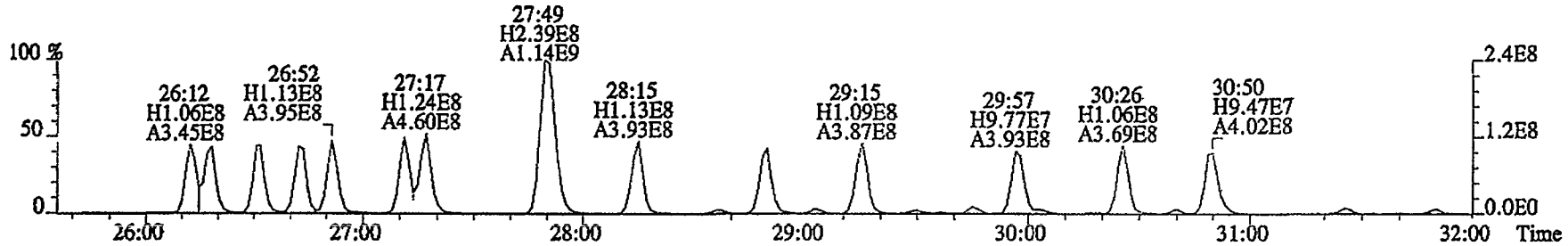
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34496.0,0.00%,F,F)



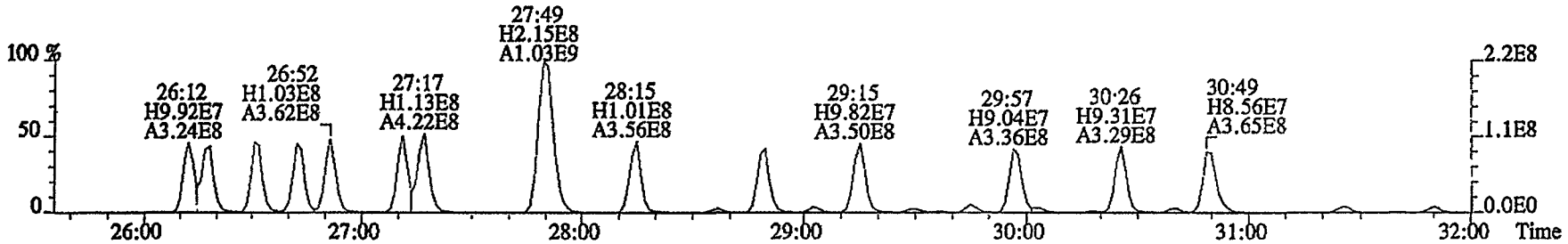
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18832.0,0.00%,F,F)



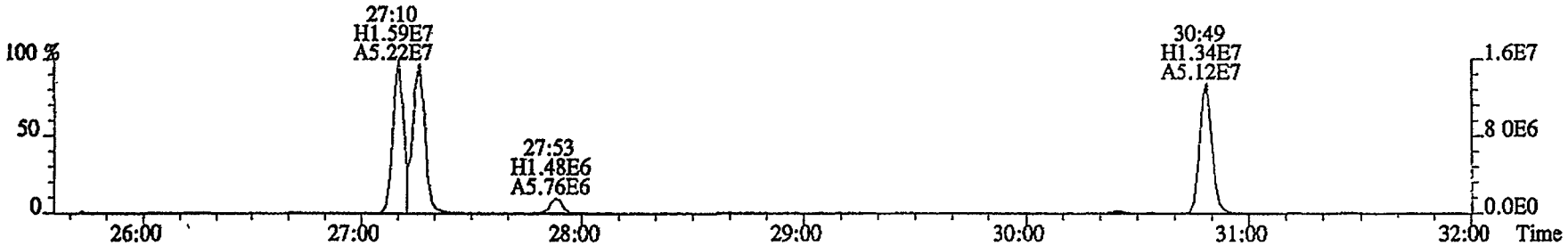
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
255.9613 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,64272.0,0.00%,F,F)



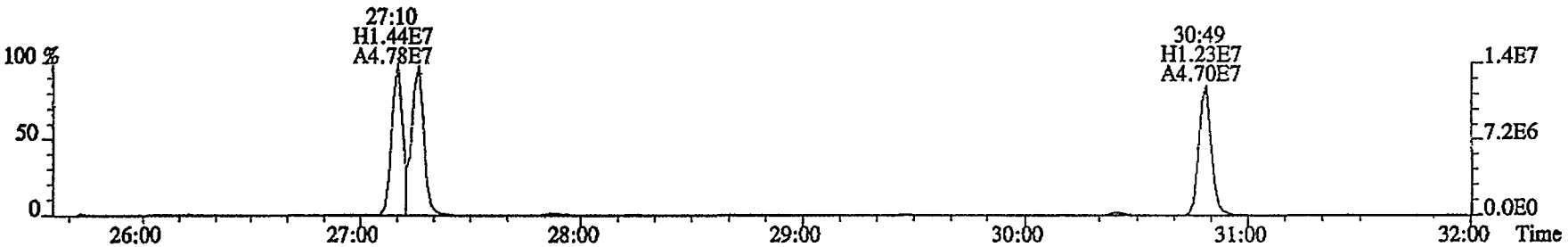
257.9584 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,65536.0,0.00%,F,F)



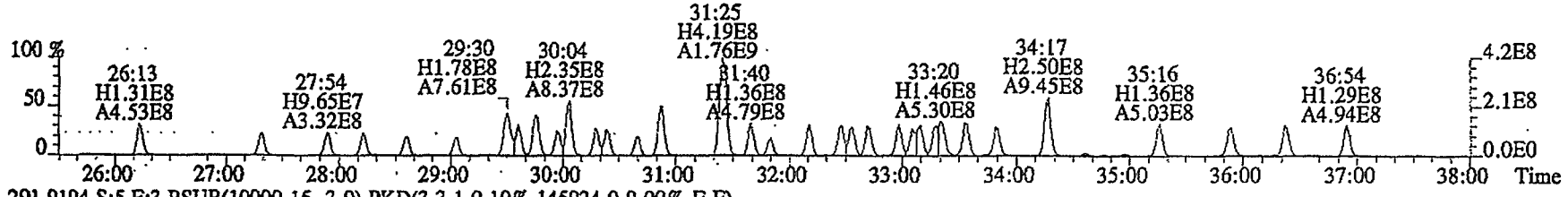
268.0016 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,31532.0,0.00%,F,F)



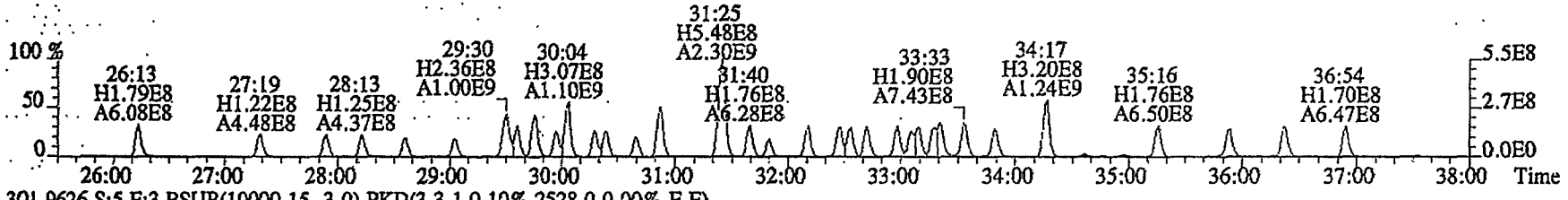
269.9986 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,15988.0,0.00%,F,F)



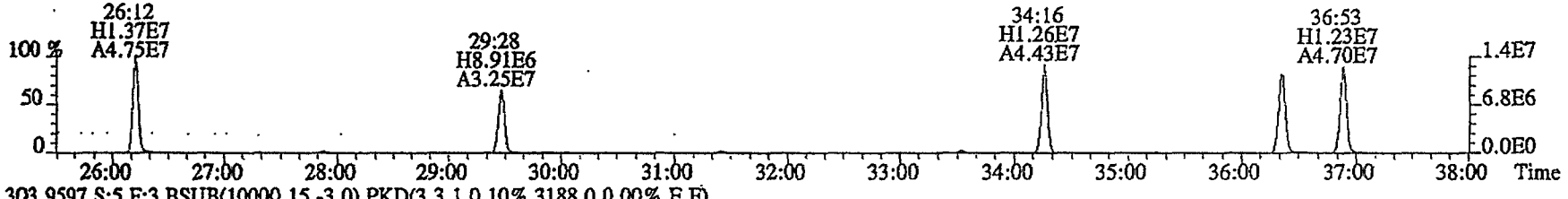
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,99256.0,0.00%,F,F)



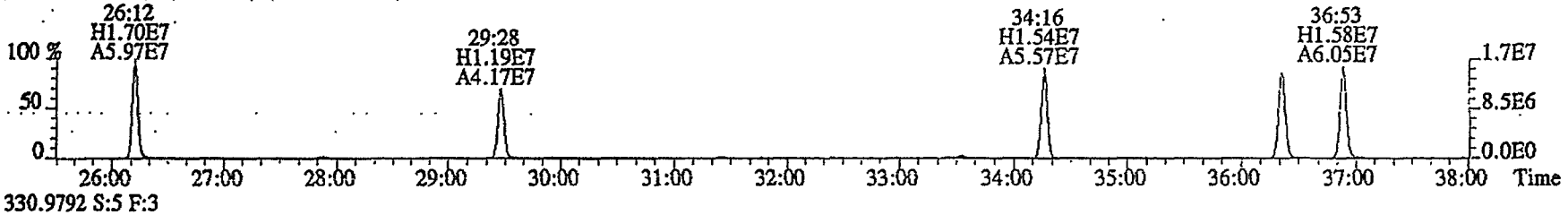
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,145924.0,0.00%,F,F)



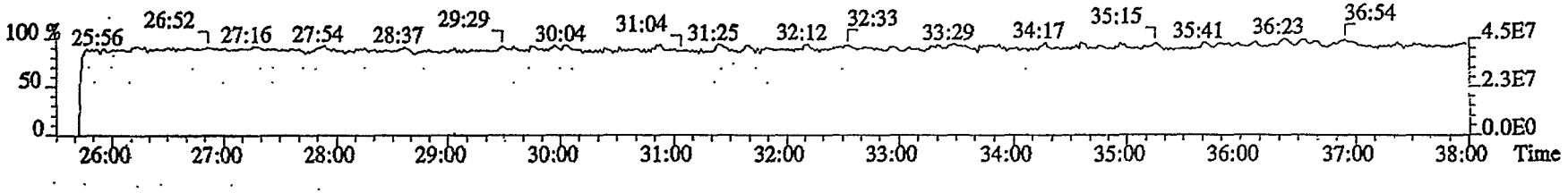
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2528.0,0.00%,F,F)



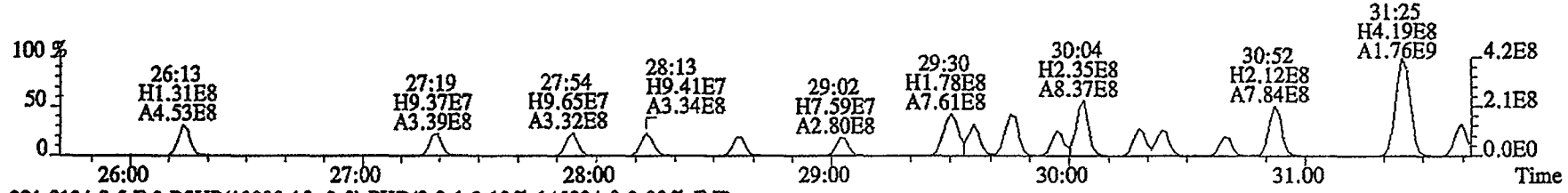
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3188.0,0.00%,F,F)



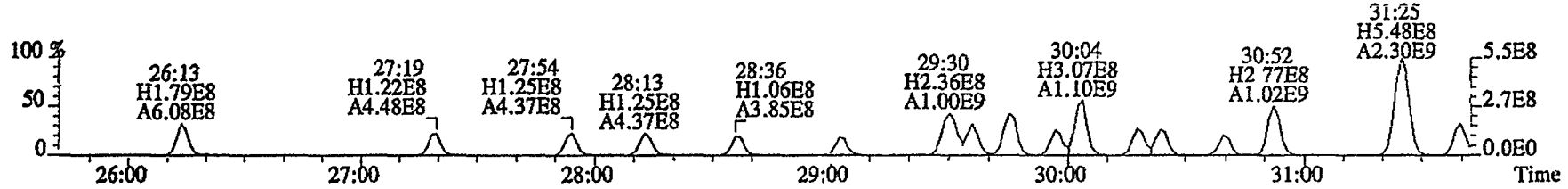
330.9792 S:5 F:3



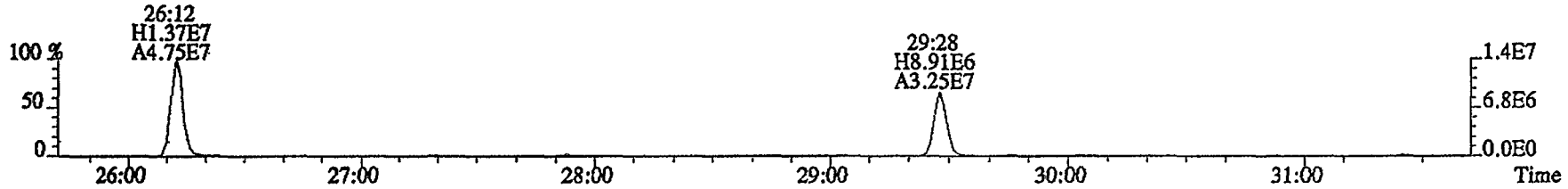
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,99256.0,0.00%,F,F)



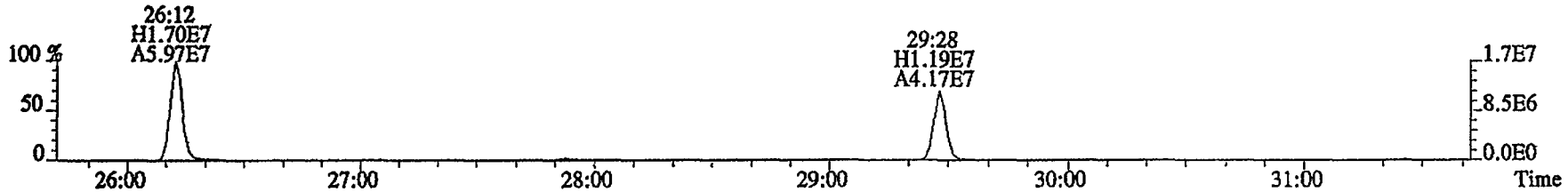
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,145924.0,0.00%,F,F)



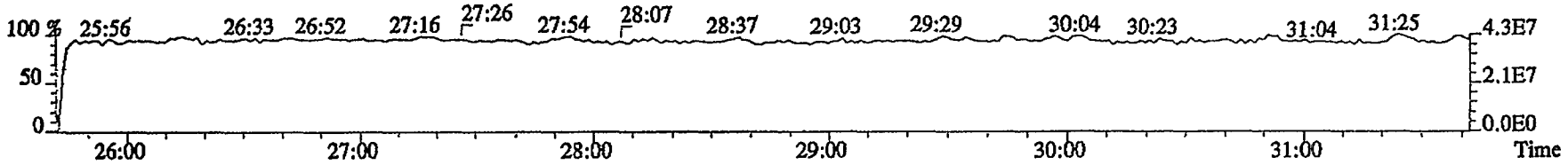
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2528.0,0.00%,F,F)



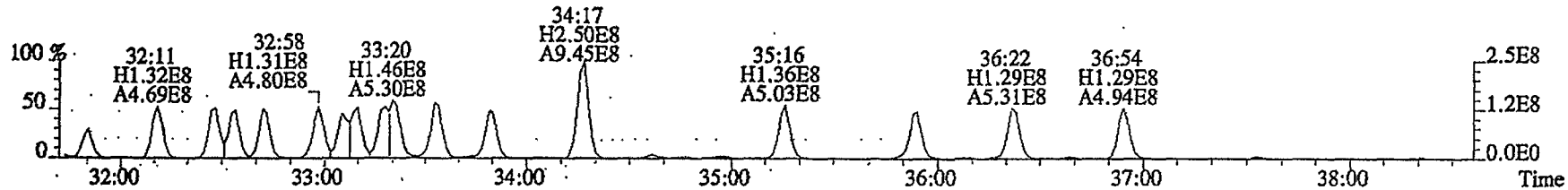
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3188.0,0.00%,F,F)



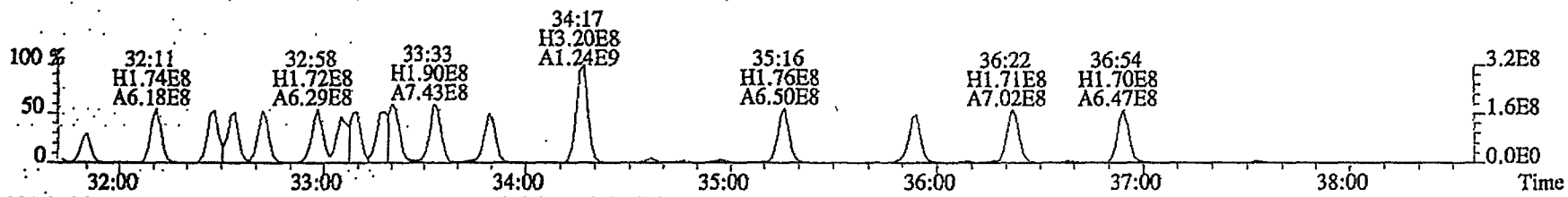
330.9792 S:5 F:3



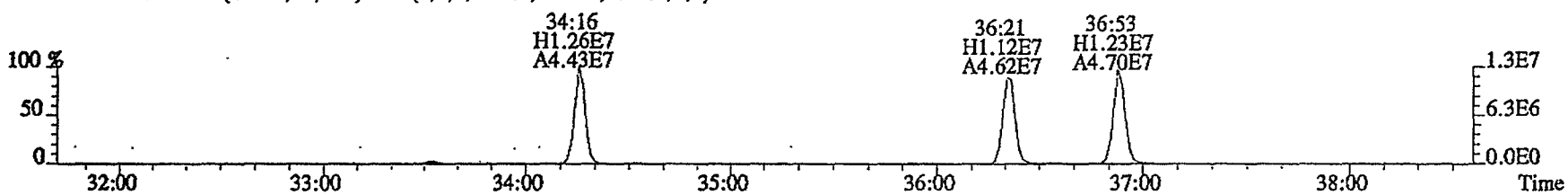
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 0309161 Exp:PCB_DB1
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,99256.0,0.00%,F,F)



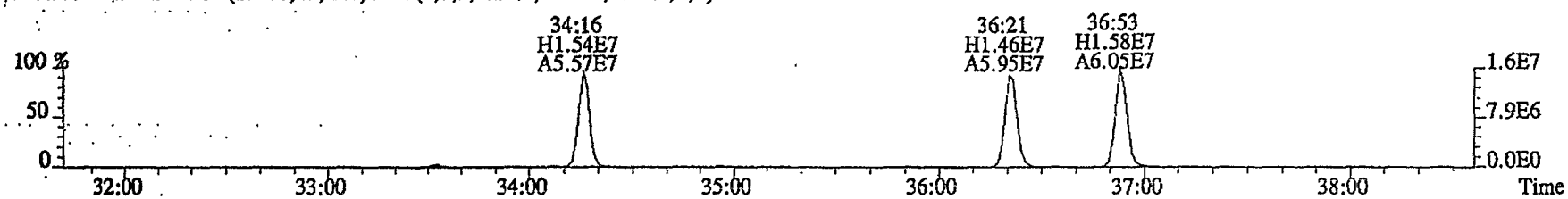
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,145924.0,0.00%,F,F)



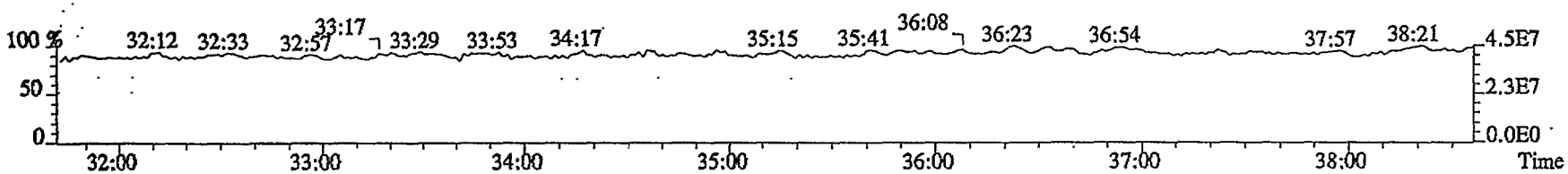
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2528.0,0.00%,F,F)



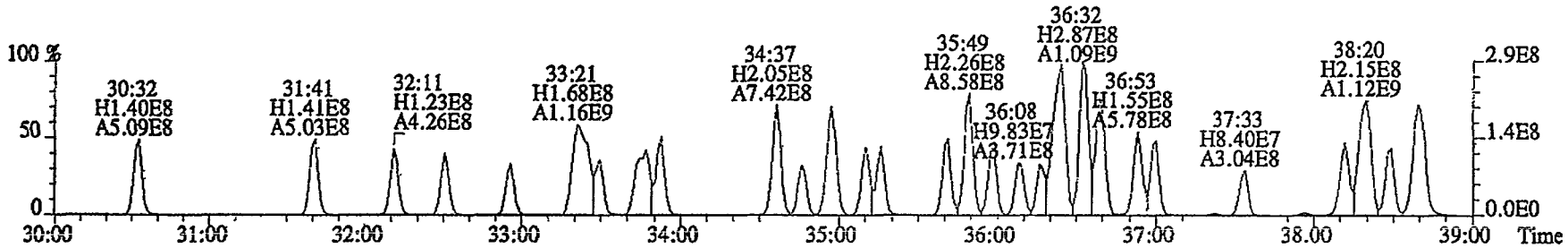
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3188.0,0.00%,F,F)



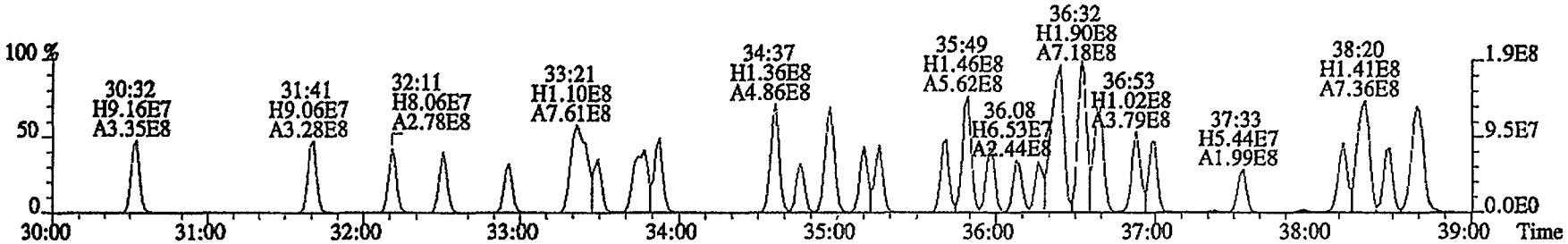
330.9792 S:5 F:3



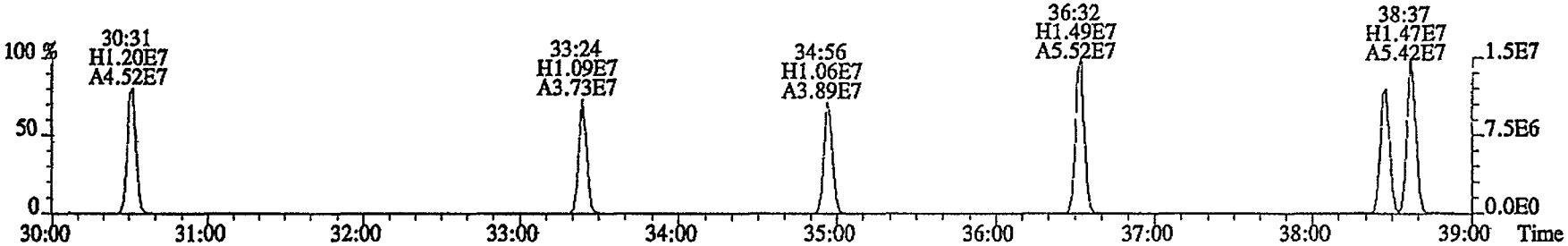
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3436.0,0.00%,F,F)



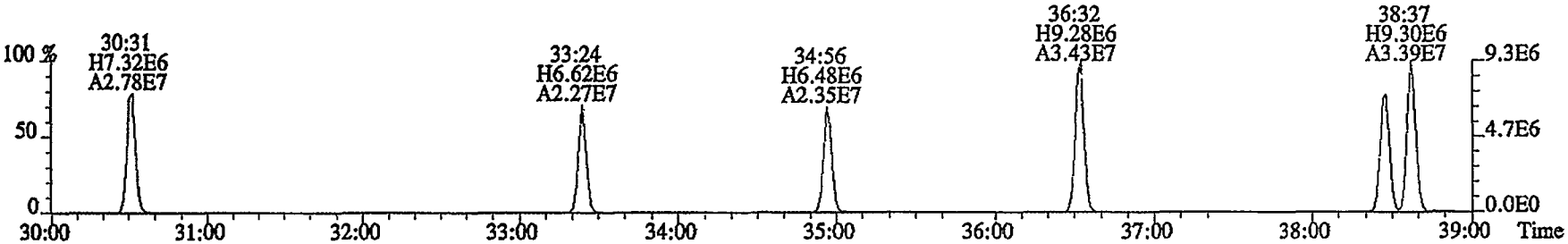
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3900.0,0.00%,F,F)



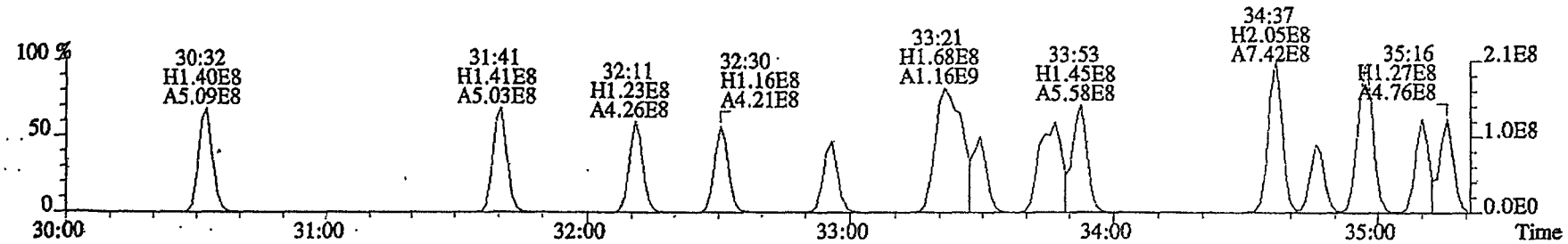
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1892.0,0.00%,F,F)



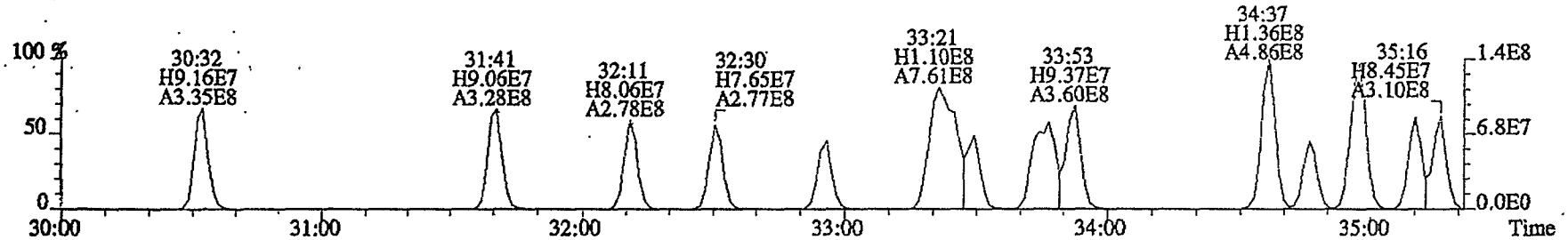
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1264.0,0.00%,F,F)



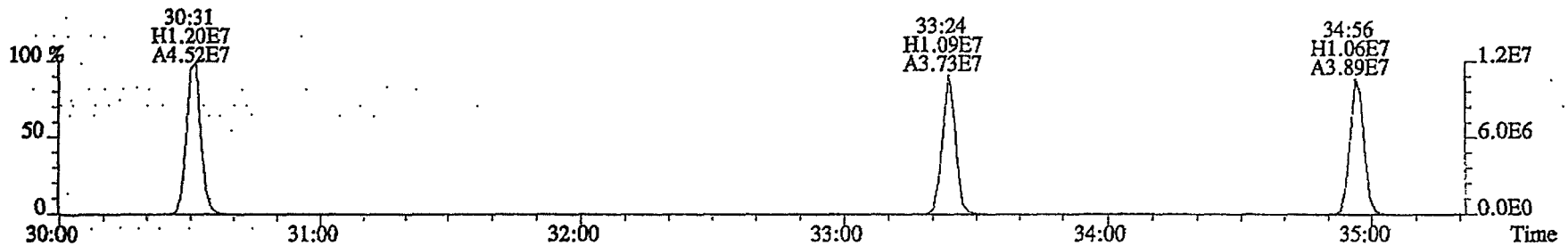
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3436.0,0.00%,F,F)



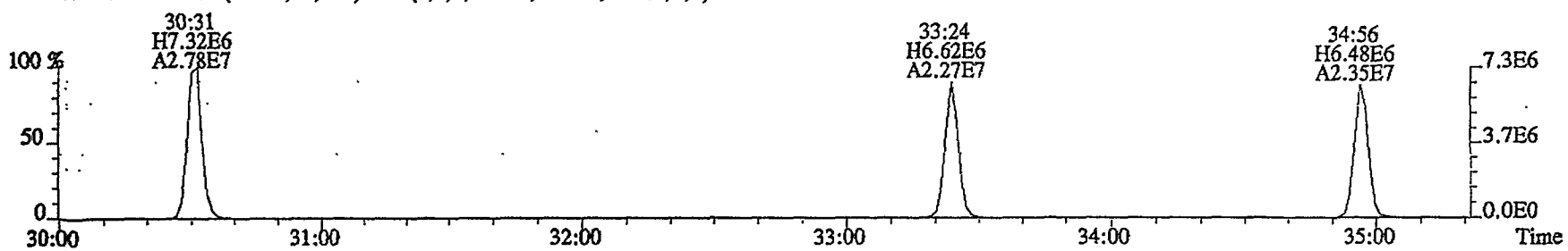
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3900.0,0.00%,F,F)



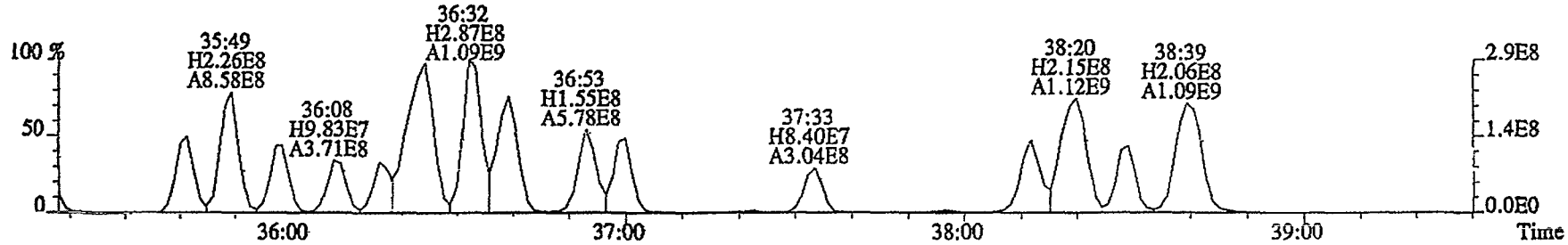
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1892.0,0.00%,F,F)



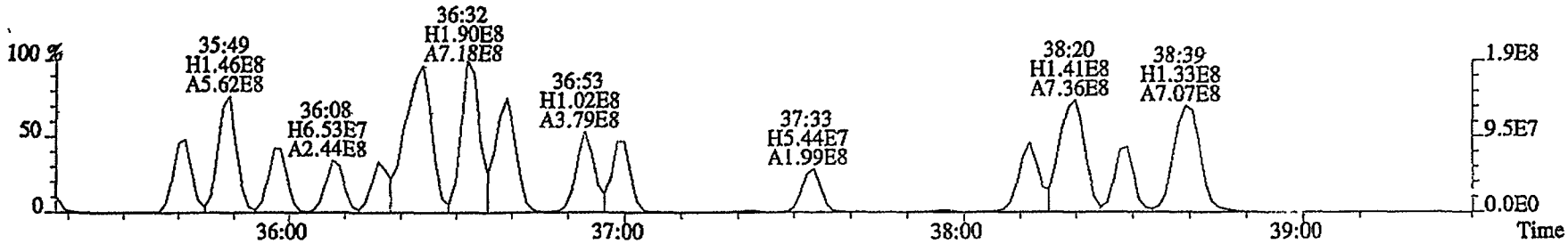
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1264.0,0.00%,F,F)



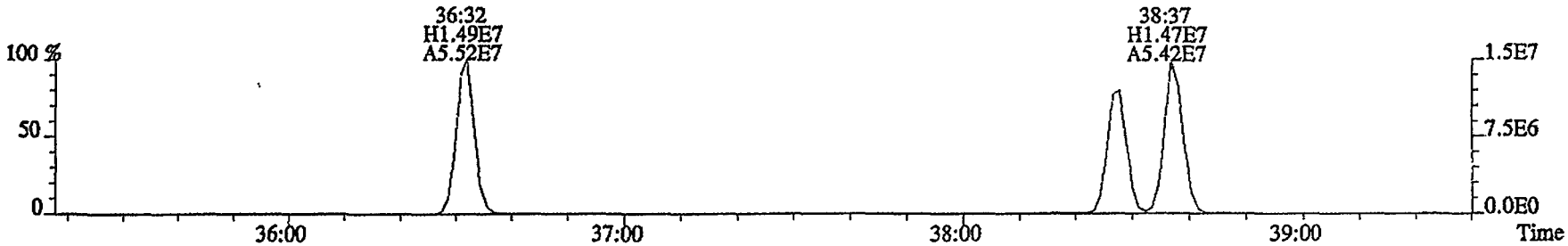
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3436.0,0.00%,F,F)



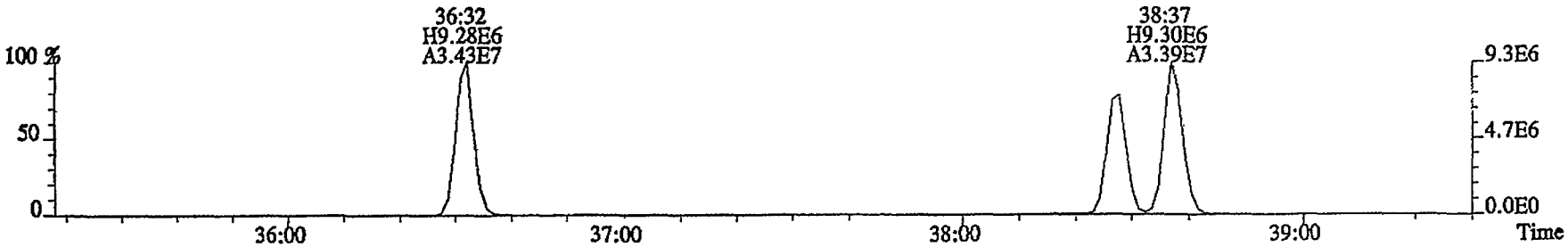
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3900.0,0.00%,F,F)



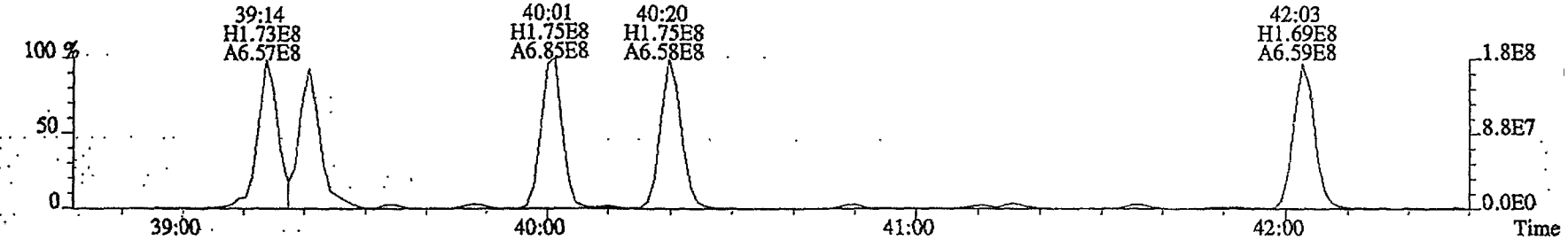
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1892.0,0.00%,F,F)



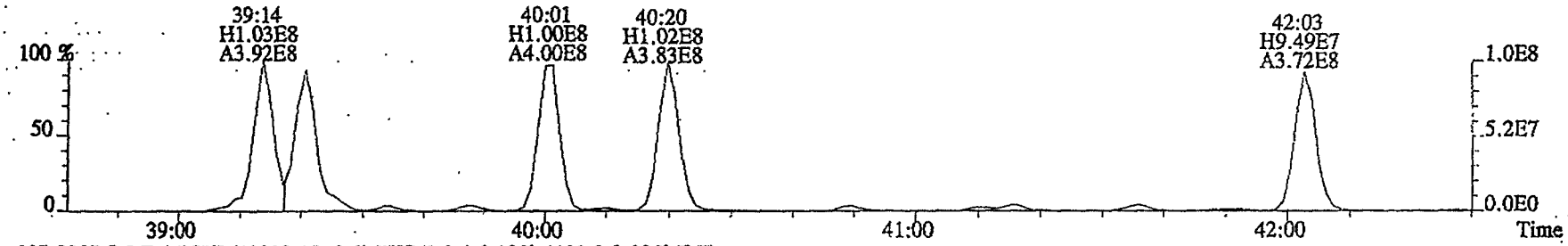
339.9177 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1264.0,0.00%,F,F)



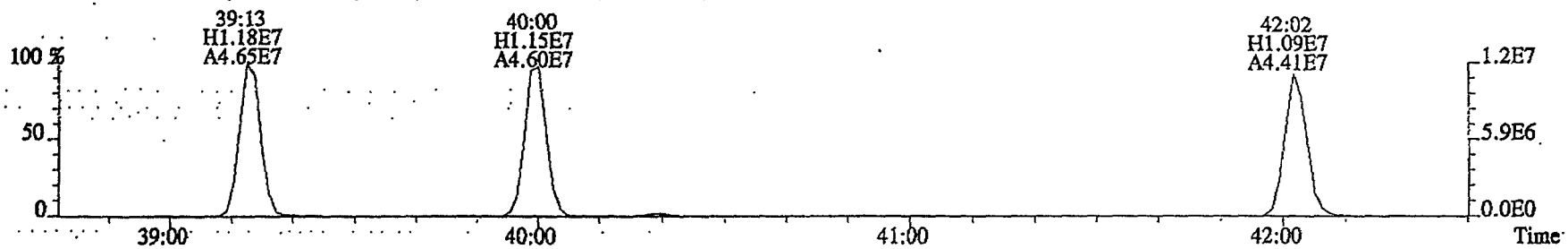
File:030929E1 #1-503 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 0309161 Exp:PCB_DB1
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,38024.0,0.00%,F,F)



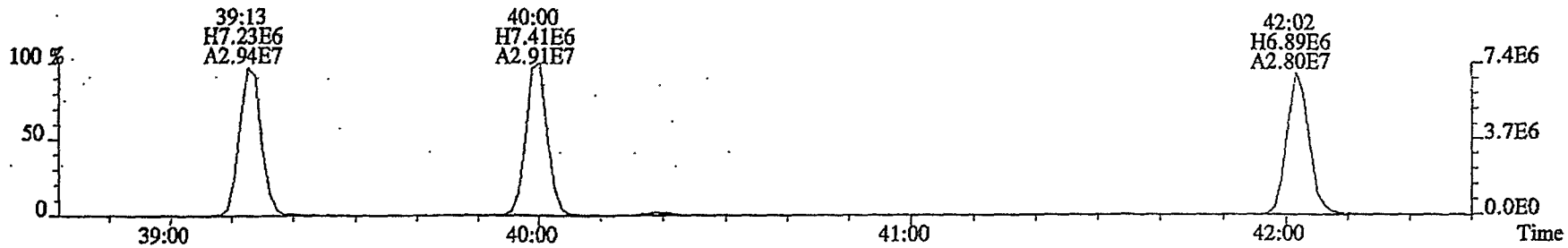
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,27212.0,0.00%,F,F)



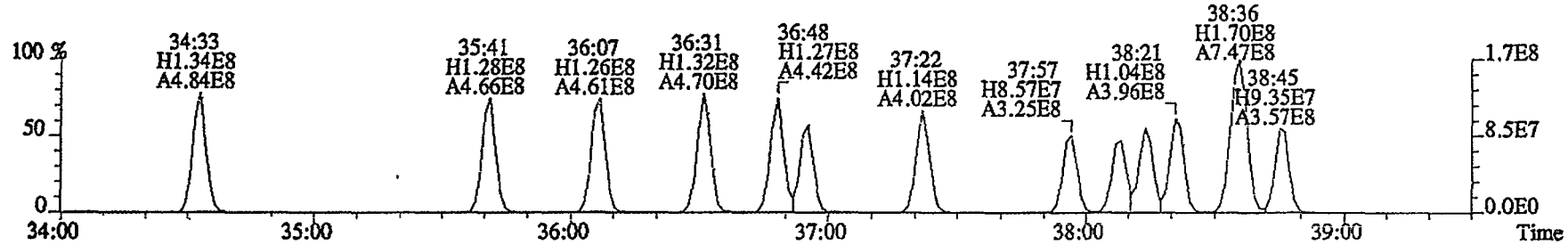
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4180.0,0.00%,F,F)



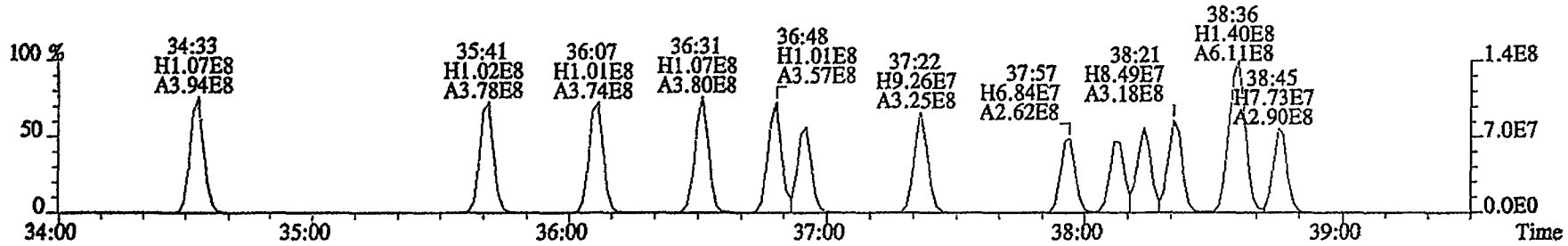
339.9177 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2636.0,0.00%,F,F)



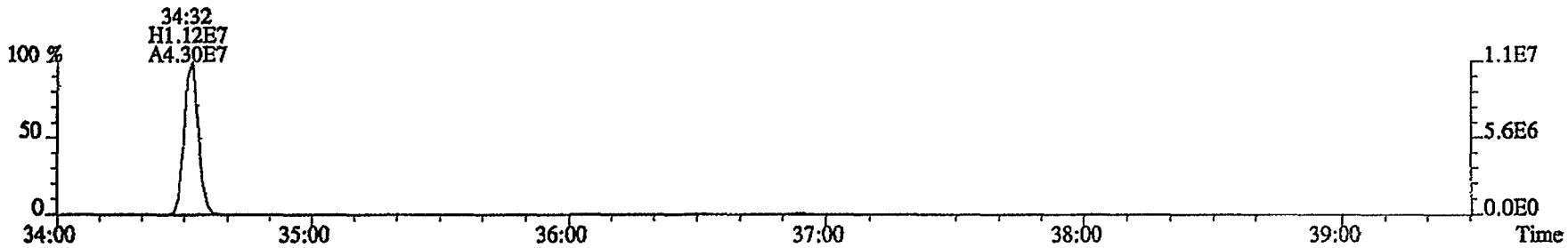
File:030929E1 #1-685 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
359.8415 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1140.0,0.00%,F,F)



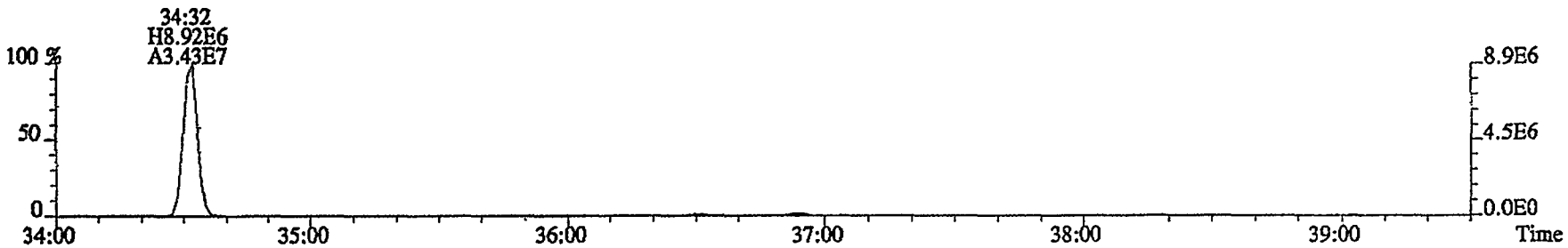
361.8385 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1252.0,0.00%,F,F)



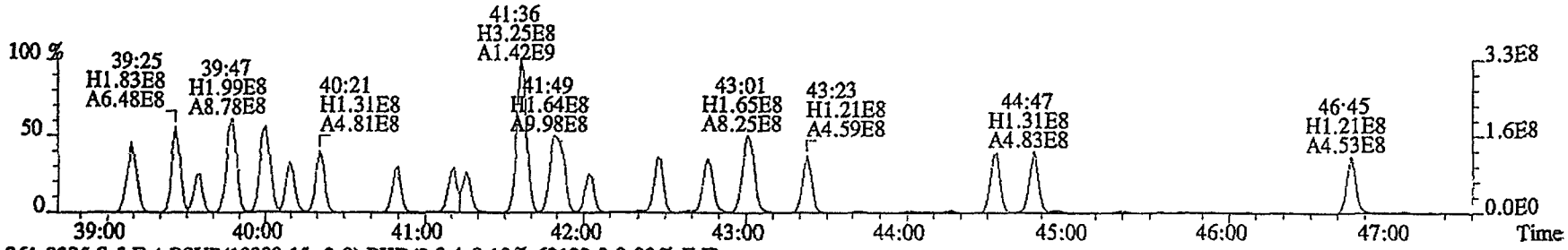
371.8817 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,616.0,0.00%,F,F)



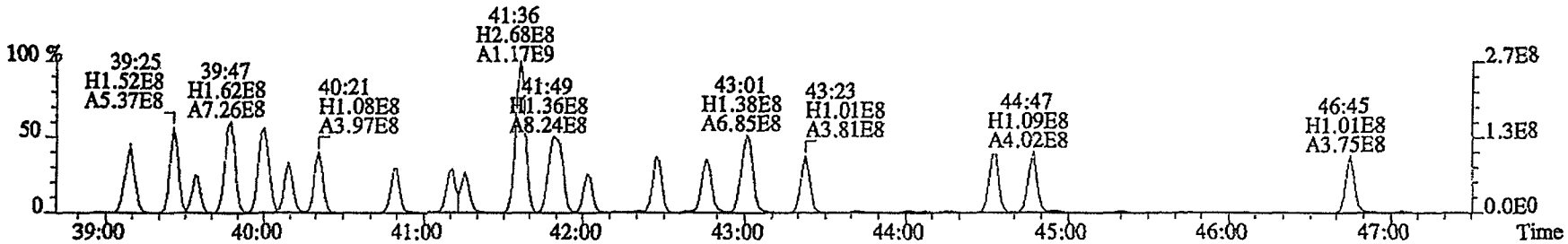
373.8788 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1424.0,0.00%,F,F)



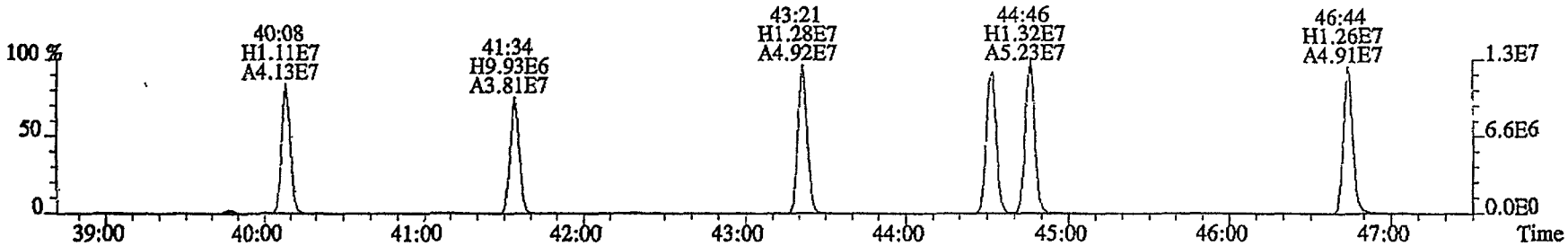
File:030929E1 #1-503 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
359.8415 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,80068.0,0.00%,F,F)



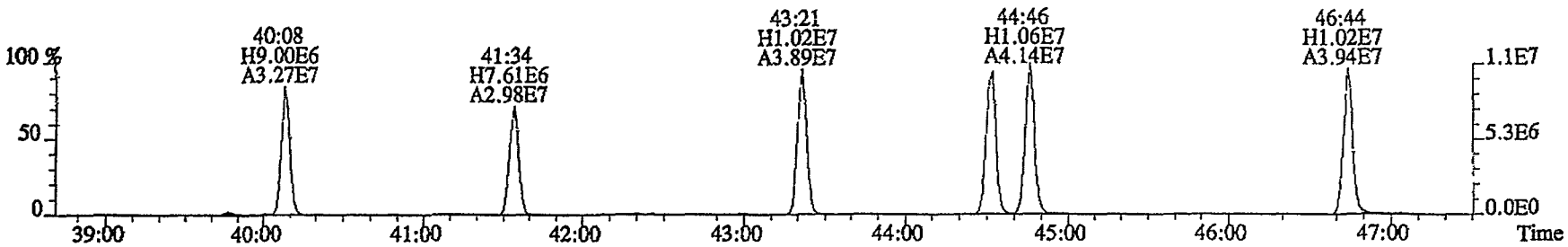
361.8385 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,62188.0,0.00%,F,F)



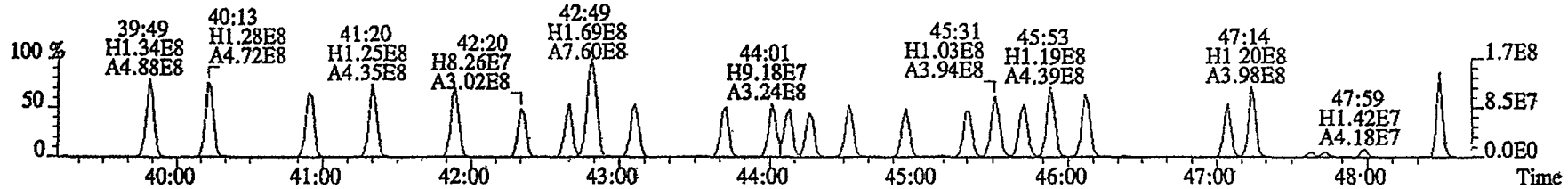
371.8817 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4344.0,0.00%,F,F)



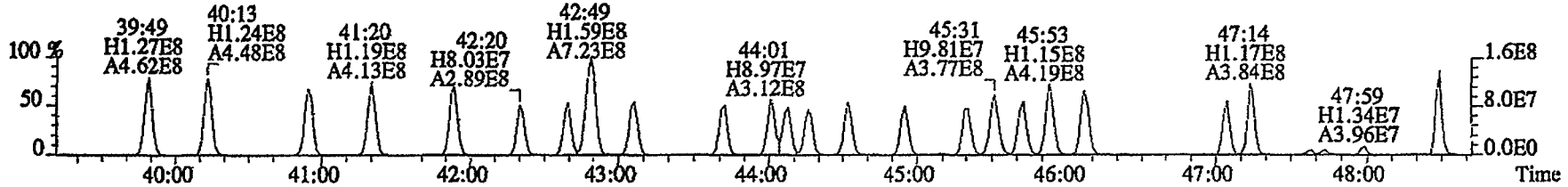
373.8788 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3260.0,0.00%,F,F)



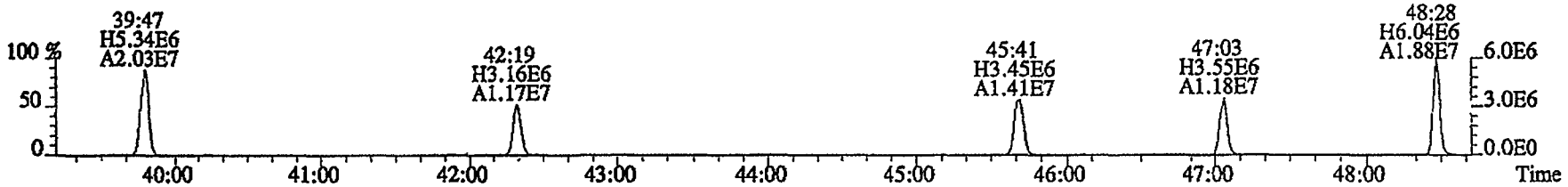
File:030929E1 #1-503 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
393.8025 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,39440.0,0.00%,F,F)



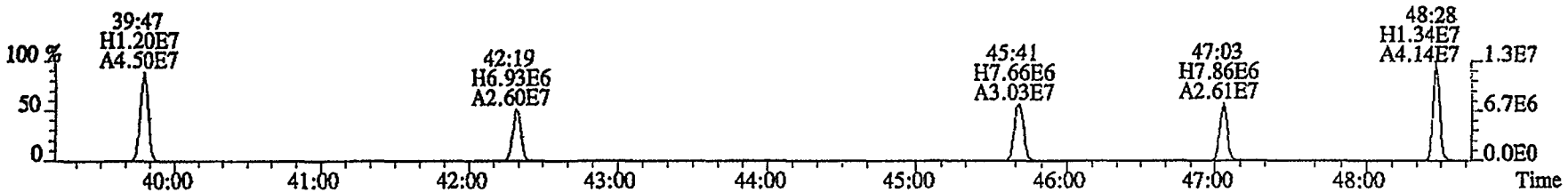
395.7995 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,35144.0,0.00%,F,F)



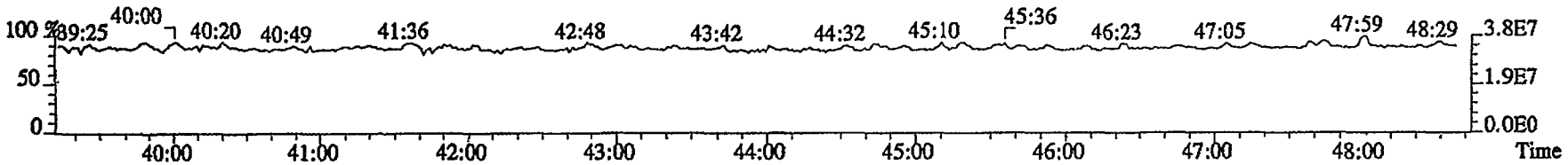
403.8457 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2080.0,0.00%,F,F)



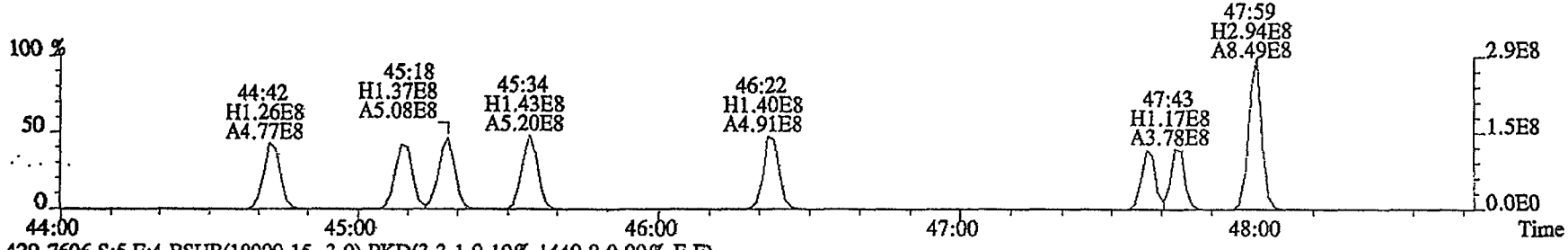
405.8428 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1896.0,0.00%,F,F)



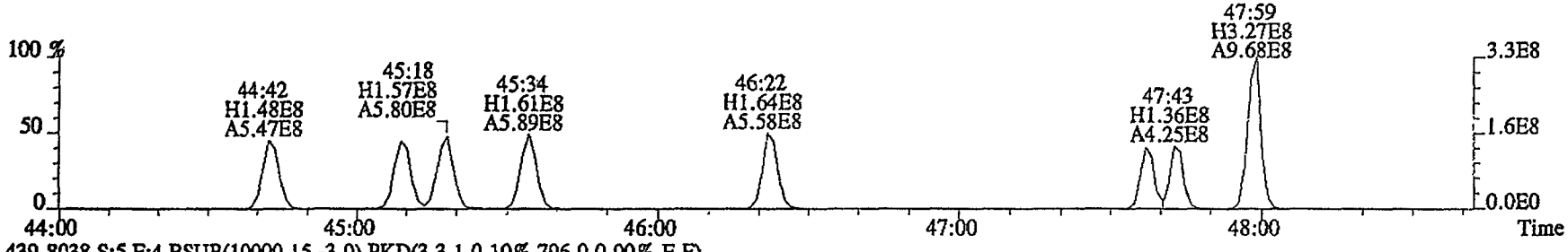
380.9760 S:5 F:4



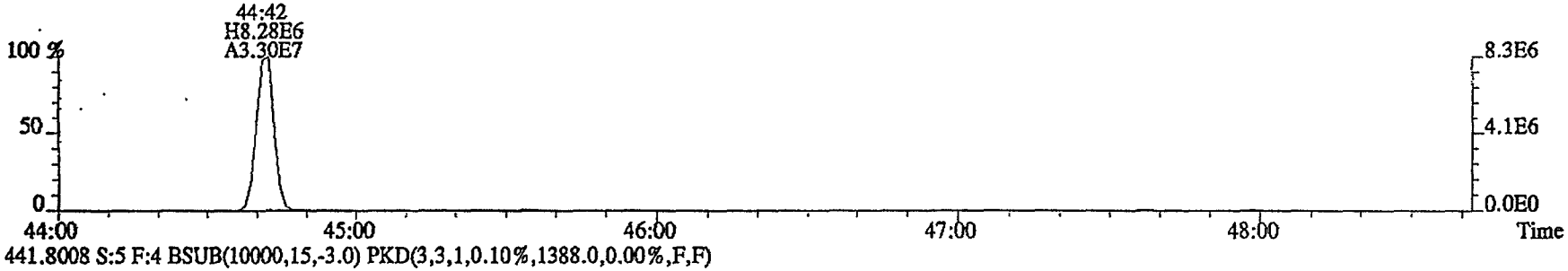
File:030929E1 #1-503 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 0309161 Exp:PCB_DB1
427.7635 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,884.0,0.00%,F,F)



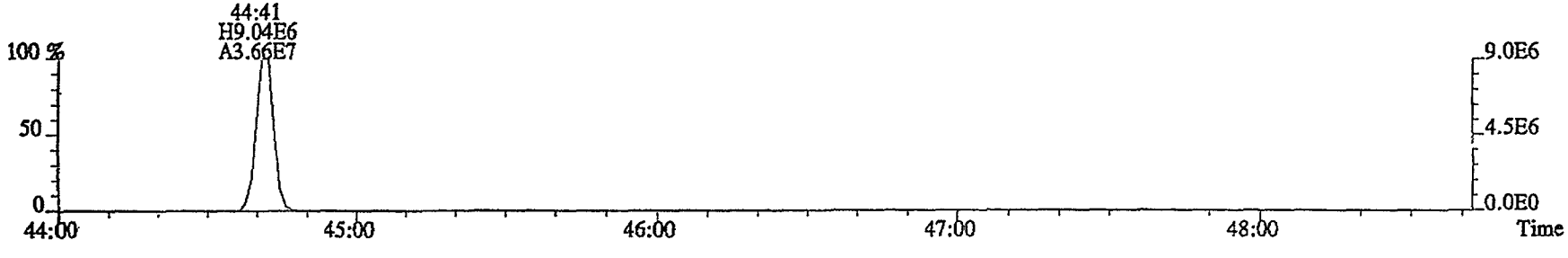
429.7606 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1440.0,0.00%,F,F)



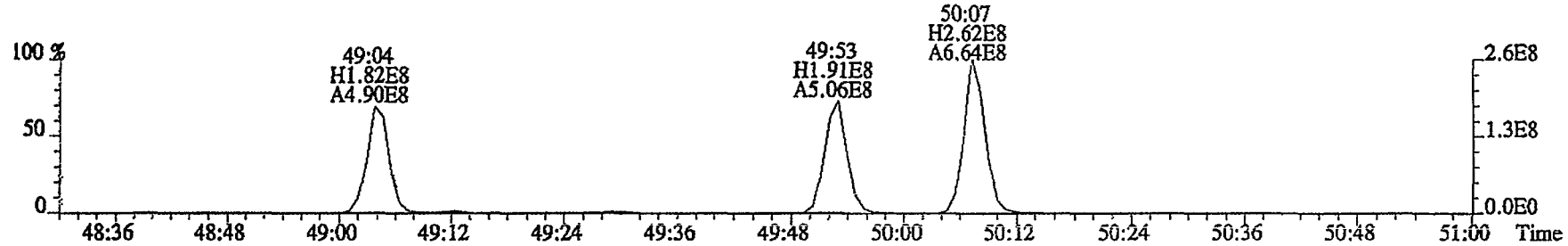
439.8038 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,796.0,0.00%,F,F)



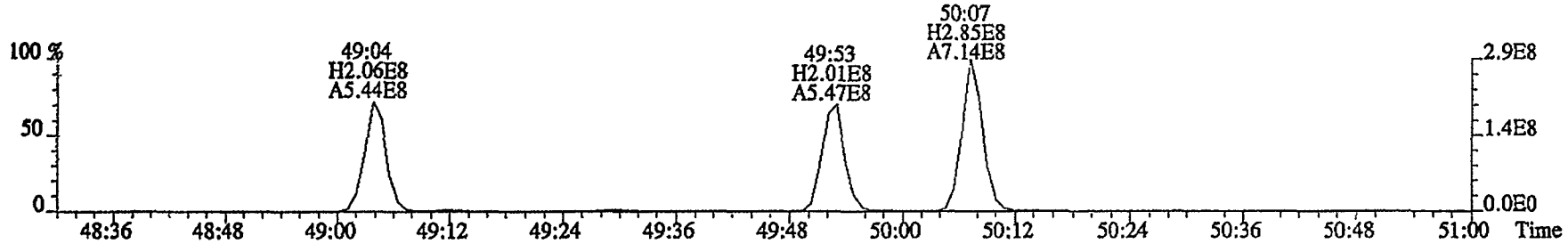
441.8008 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1388.0,0.00%,F,F)



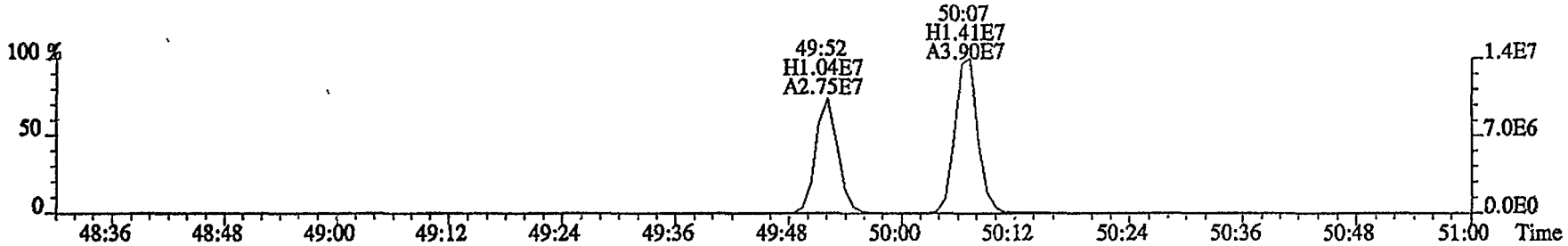
File:030929E1 #1-429 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,11036.0,0.00%,F,F)



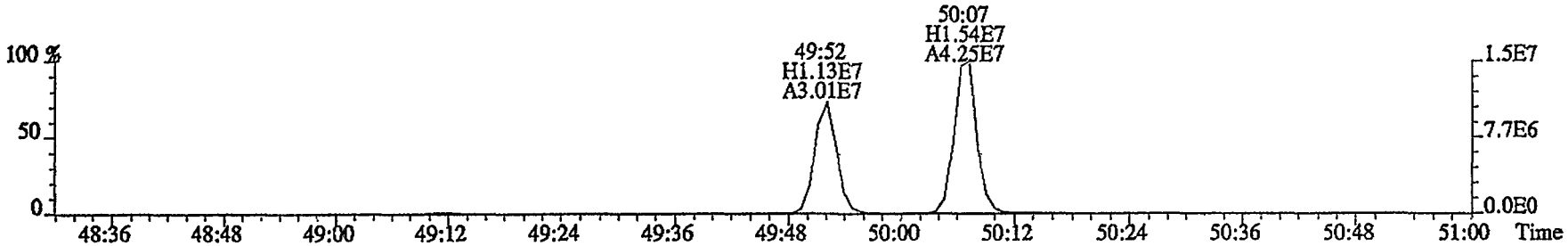
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12396.0,0.00%,F,F)



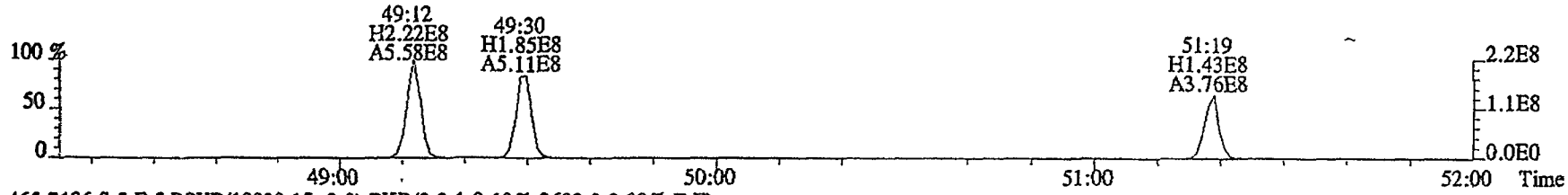
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



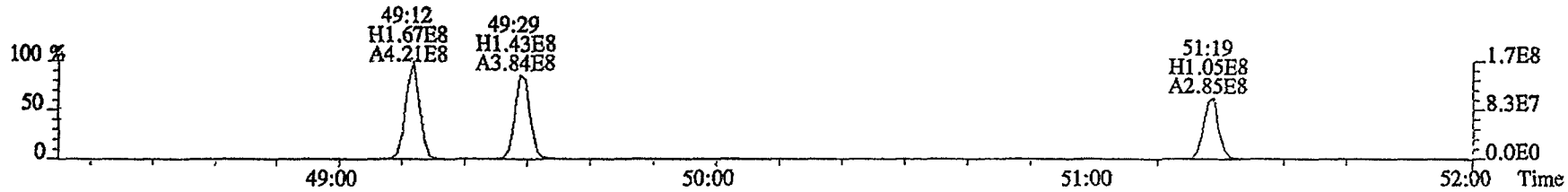
441.8008 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,208.0,0.00%,F,F)



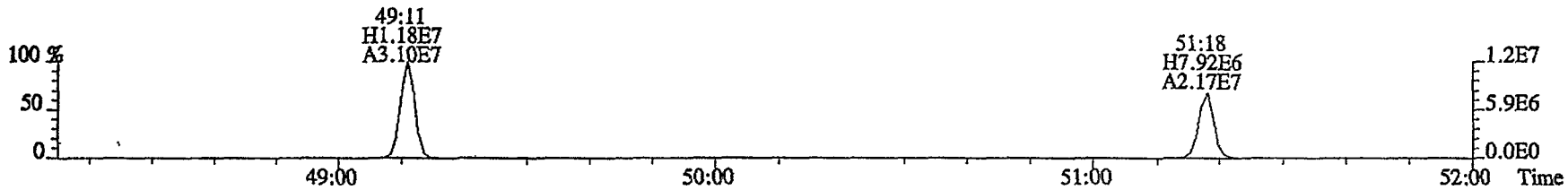
File:030929E1 #1-429 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
463.7216 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3548.0,0.00%,F,F)



465.7186 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3608.0,0.00%,F,F)

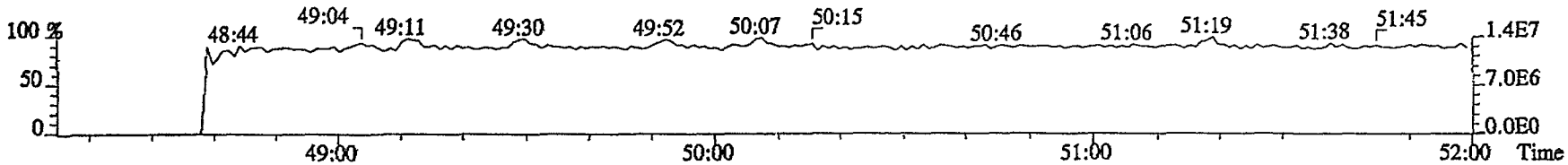


473.7648 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)

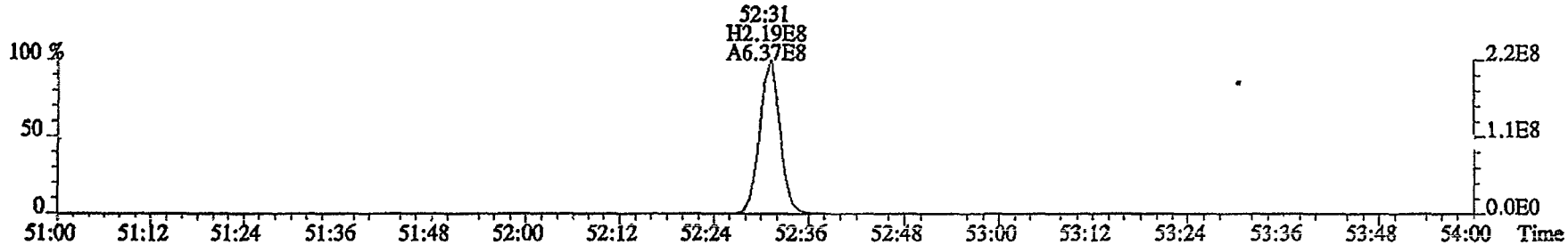


475.7619 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)

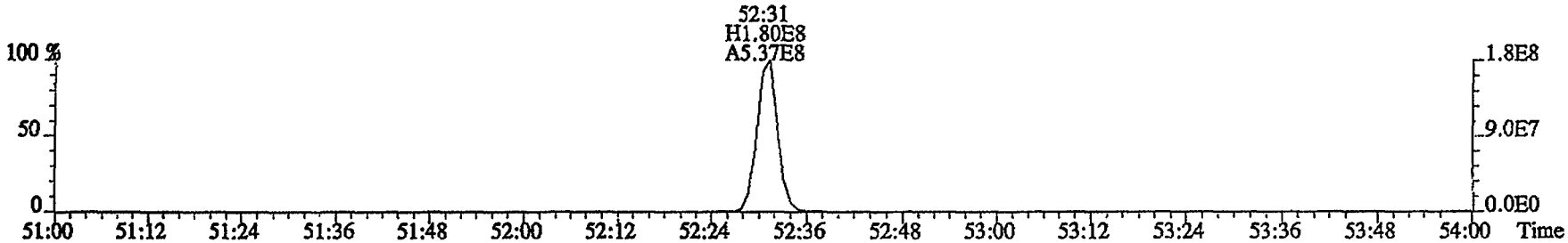
492.9697 S:5 F:5



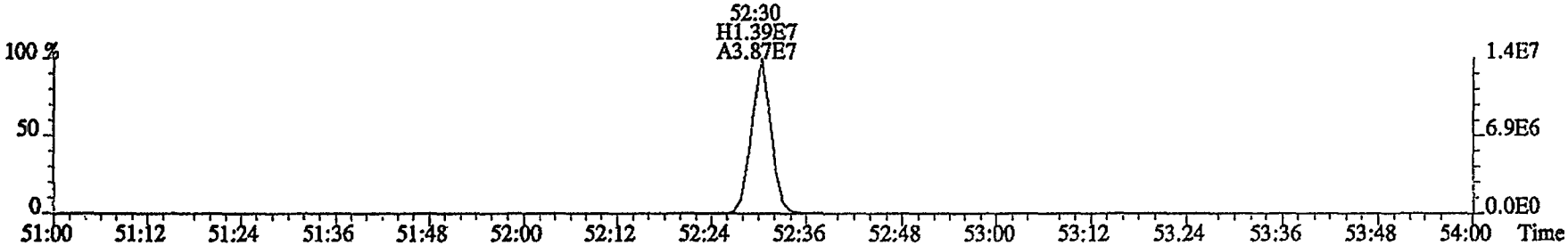
File:030929E1 #1-429 Acq:29-SEP-2003 16:07:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Alta Analytical Laboratory Text:ST030929E1-5 PCB 209 CS5 030916I Exp:PCB_DB1
497.6826 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



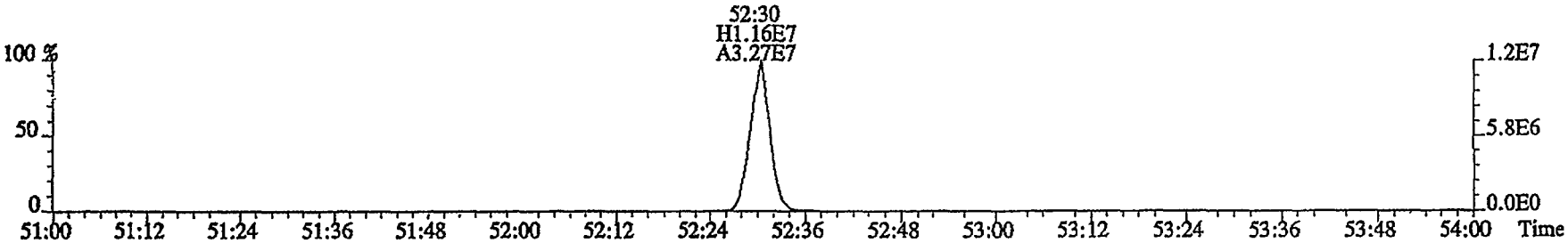
499.6797 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



509.7229 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,F)

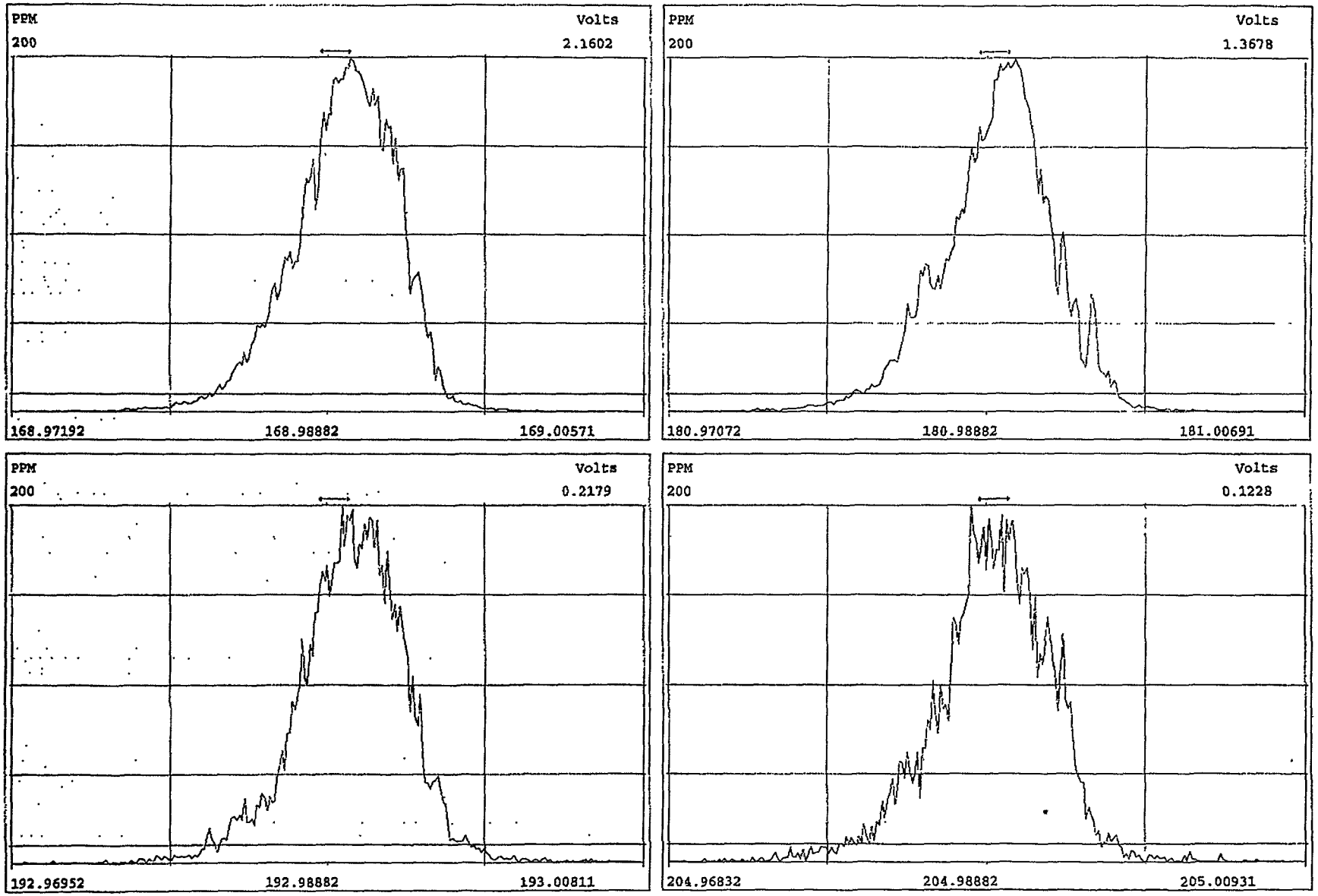


511.7199 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



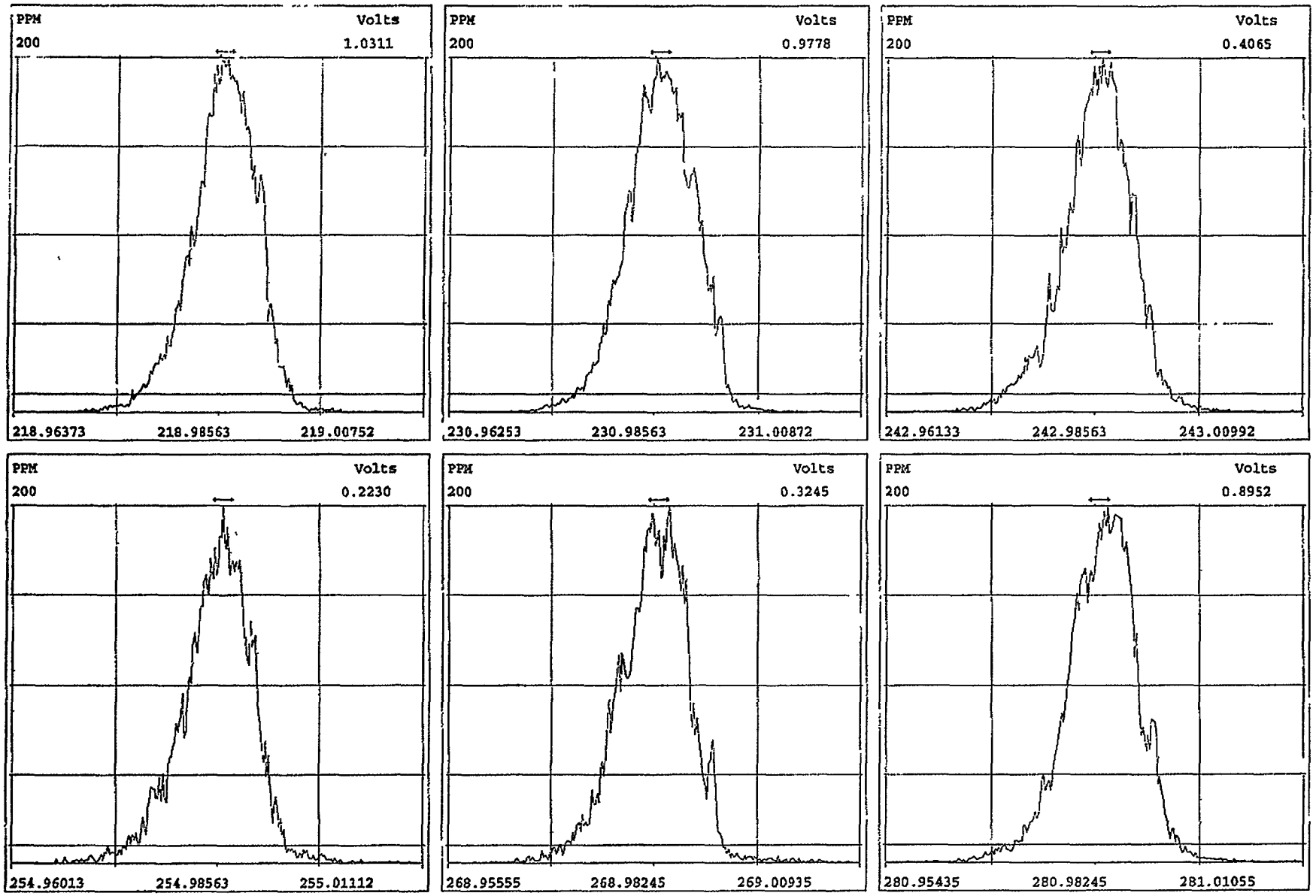
Peak Locate Examination:30-SEP-2003:04:19 File:RES_CHECK

Experiment:PCB_DB1 Function:1 Reference:PFK



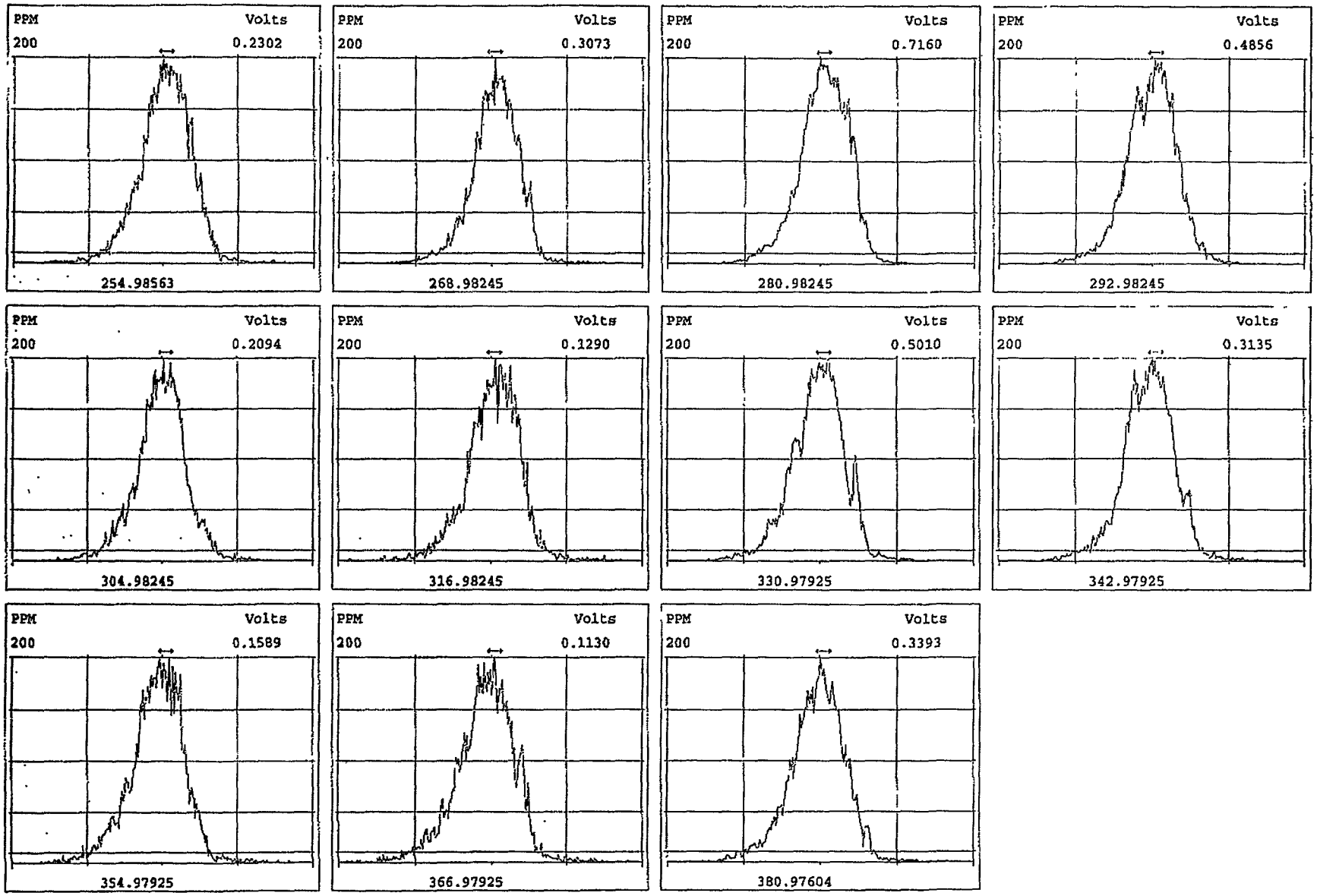
Peak Locate Examination:30-SEP-2003:04:20 File:RES_CHECK

Experiment:PCB_DB1 Function:2 Reference:PFK



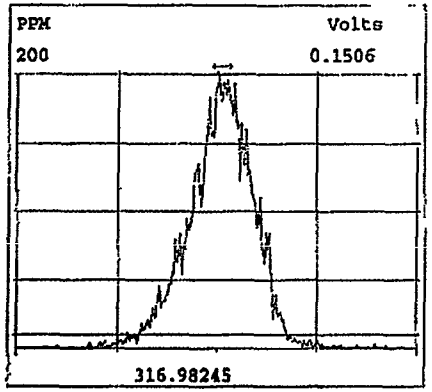
Peak Locate Examination:30-SEP-2003:04:21 File:RES_CHECK

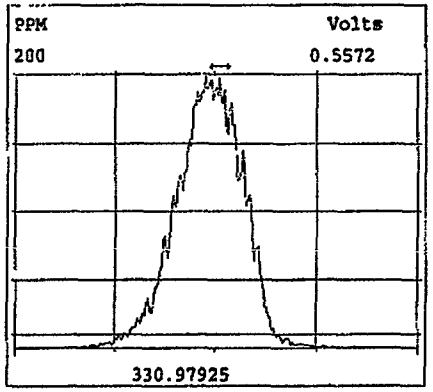
Experiment:PCB_DB1 Function:3 Reference:PFK

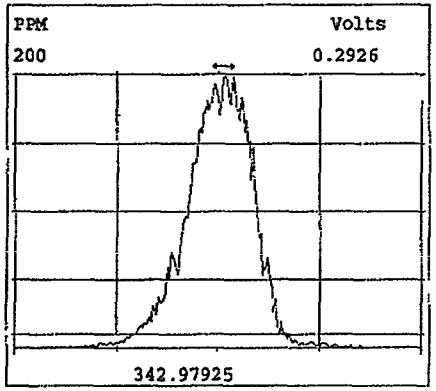


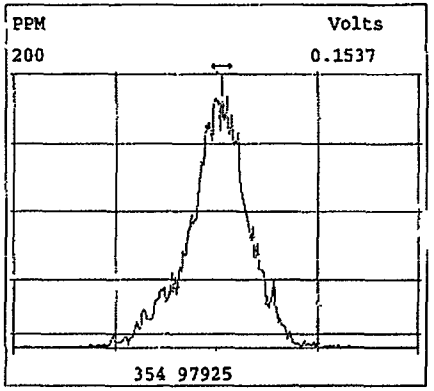
Peak Locate Examination.30-SEP-2003:04·22 File:RES_CHECK

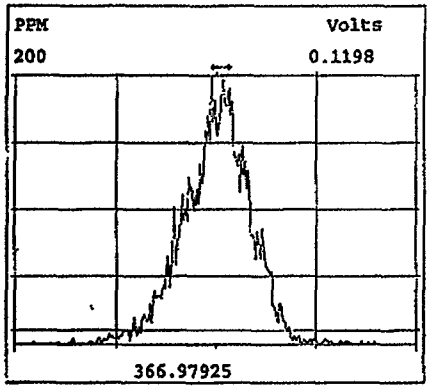
Experiment:PCB_DB1 Function:4 Reference:PFK

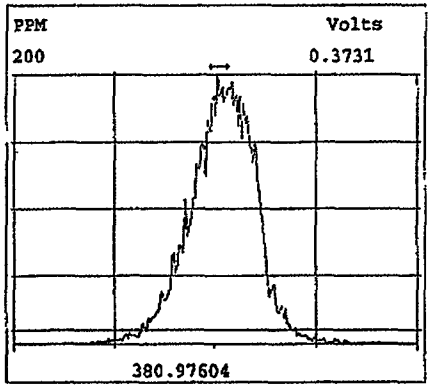


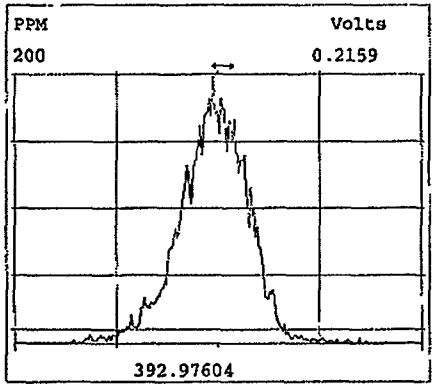


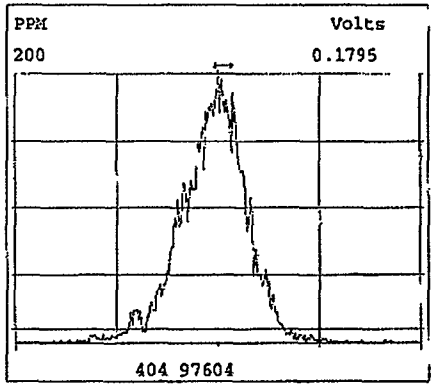


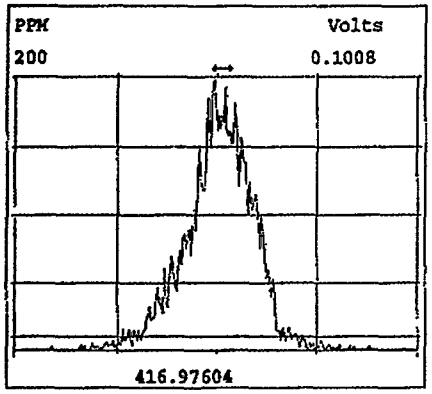


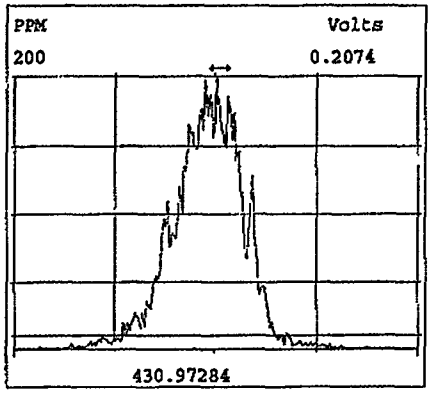


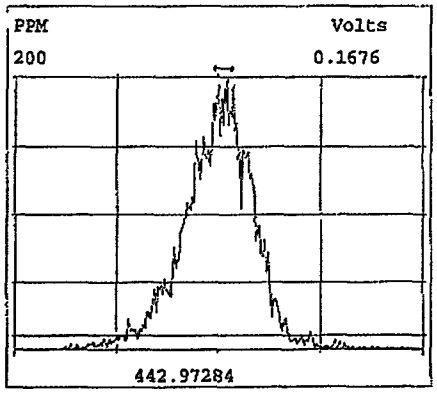






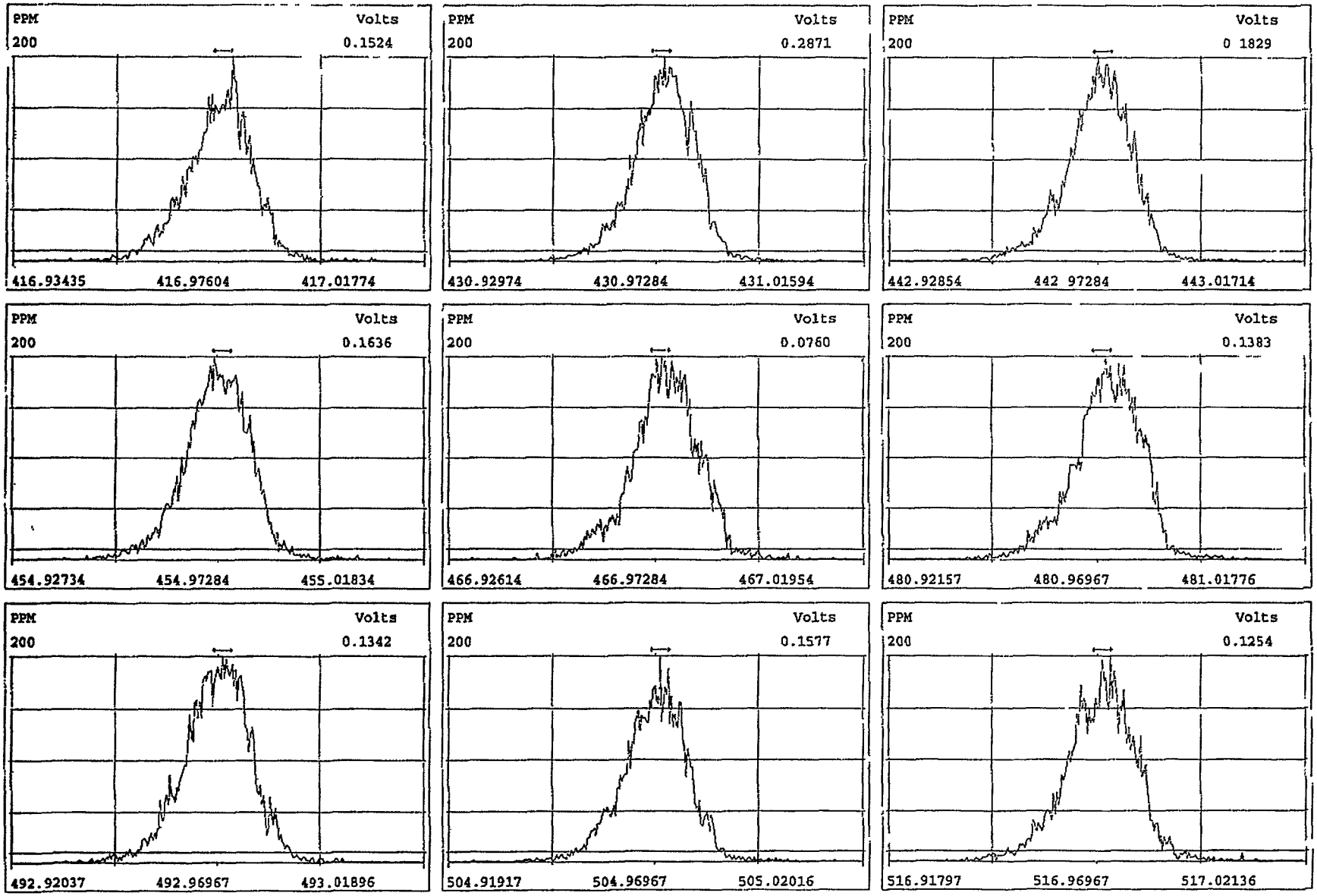




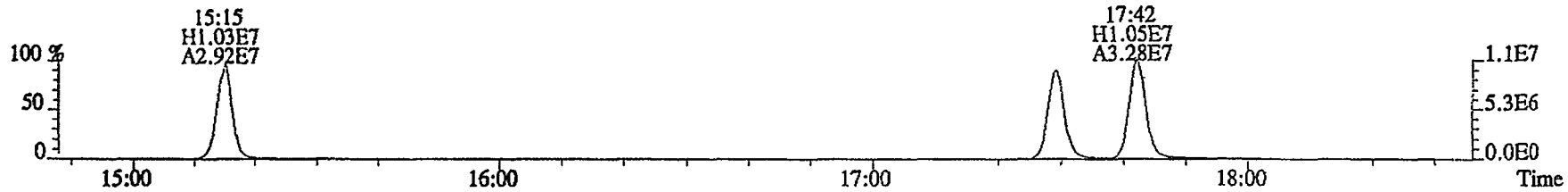


Peak Locate Examination:30-SEP-2003:04:23 File.RES_CHECK

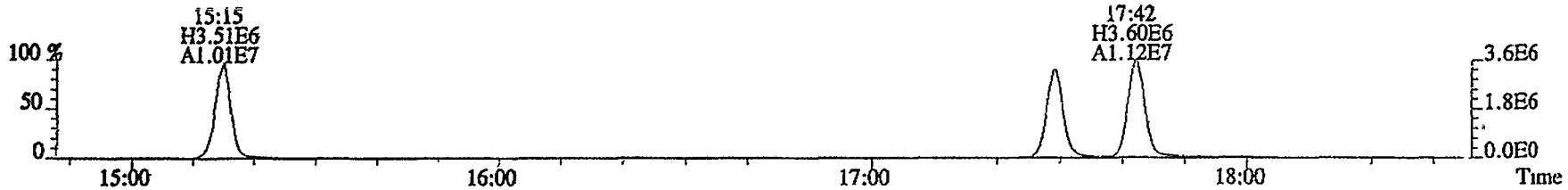
Experiment:PCB_DB1 Function:5 Reference:PFK



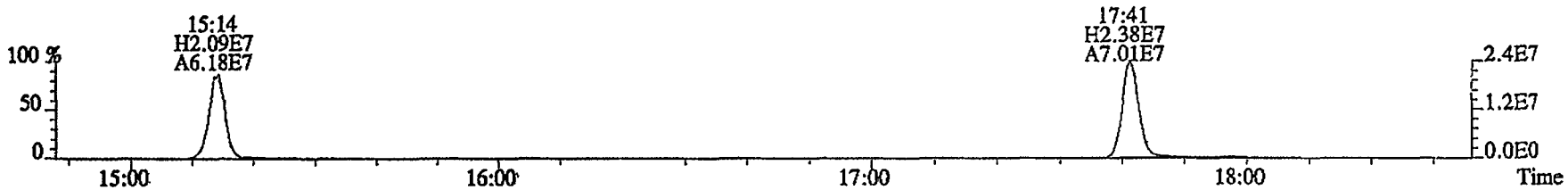
File:030929E1 #1-728 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
188.0393 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2604.0,0.00%,F,F)



190.0363 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1668.0,0.00%,F,F)

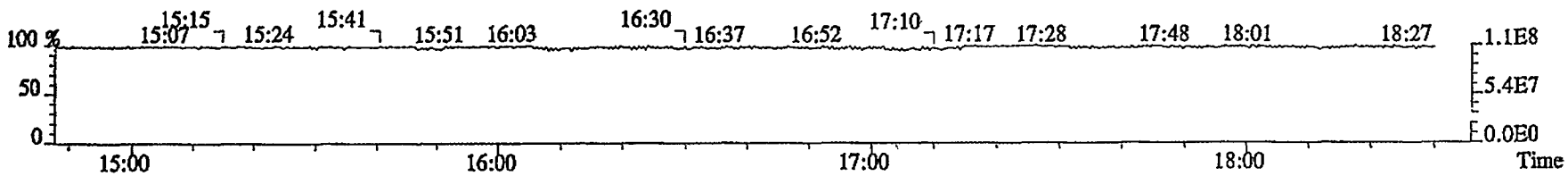


200.0795 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2876.0,0.00%,F,F)

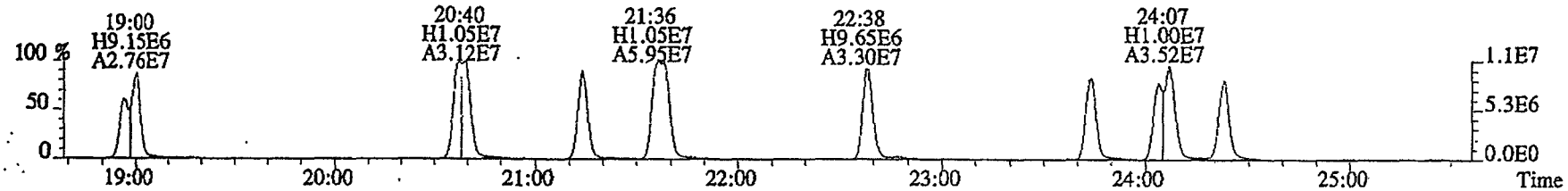


202.0766 S:7 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,27664.0,0.00%,F,F)

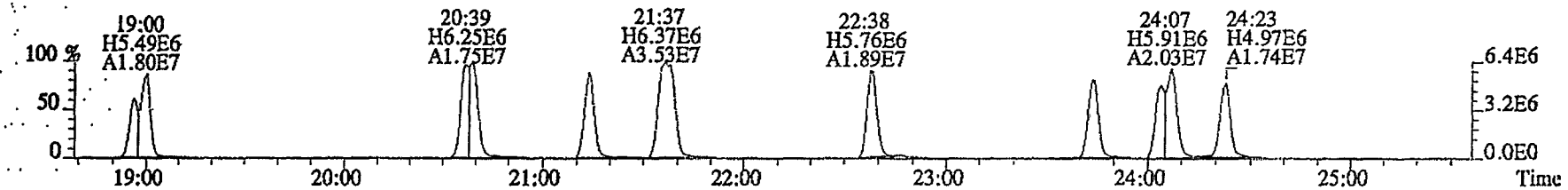
180.9880 S:7



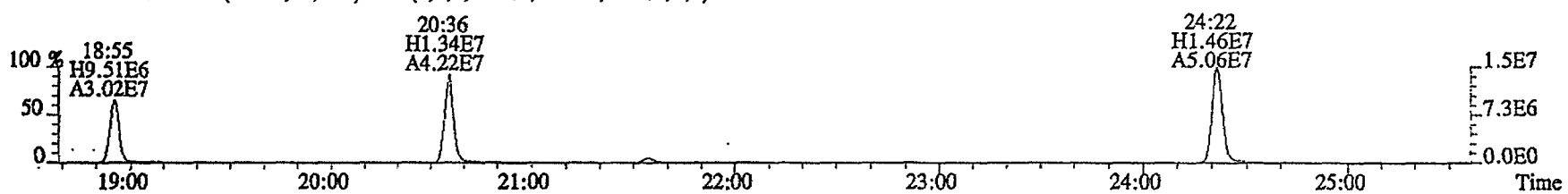
File:030929E1 #1-678 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4324.0,0.00%,F,F)



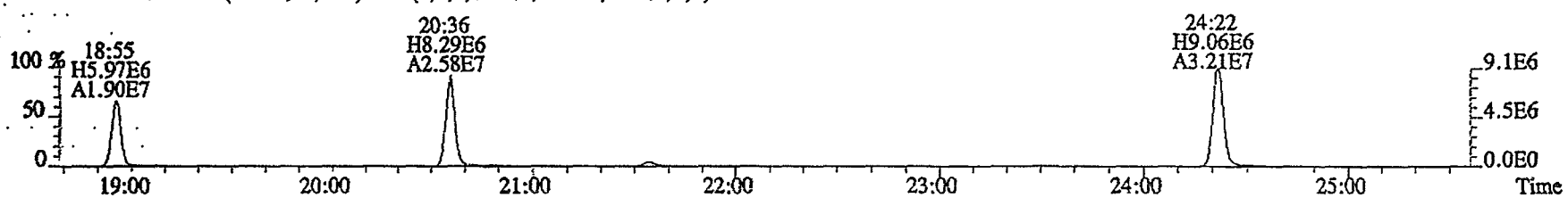
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25556.0,0.00%,F,F)



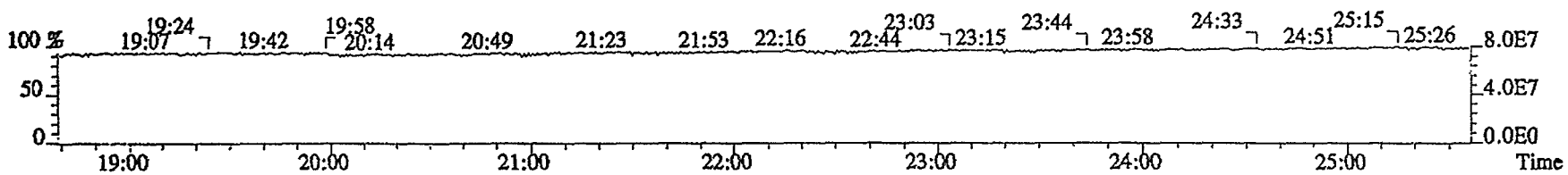
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1464.0,0.00%,F,F)



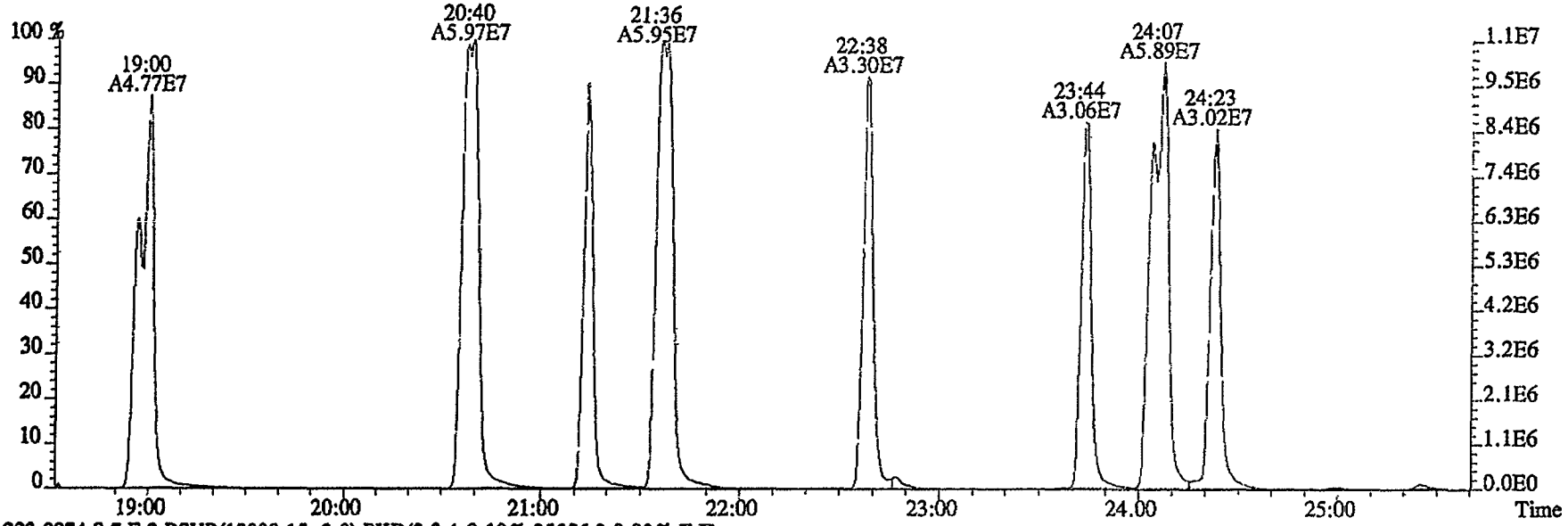
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1740.0,0.00%,F,F)



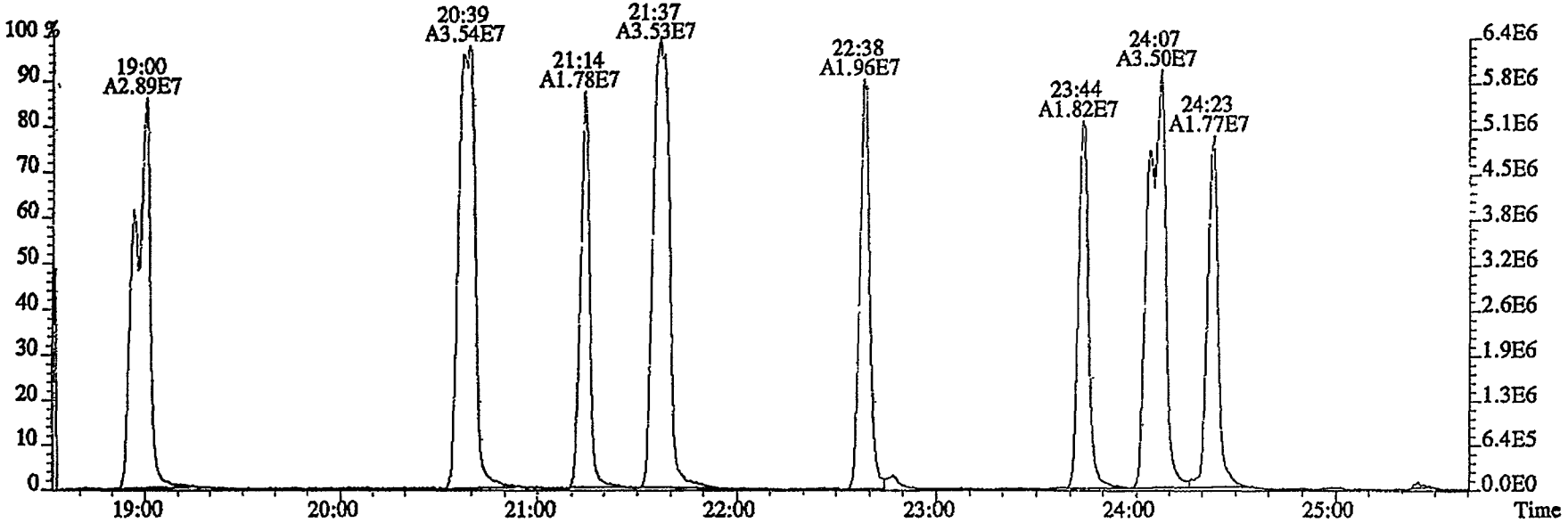
230.9856 S:7 F:2



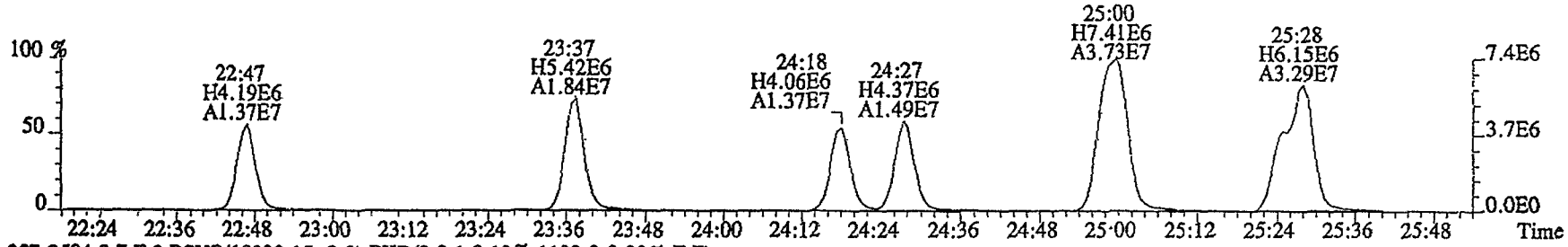
File:030929E1 #1-678 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4324.0,0.00%,F,F)



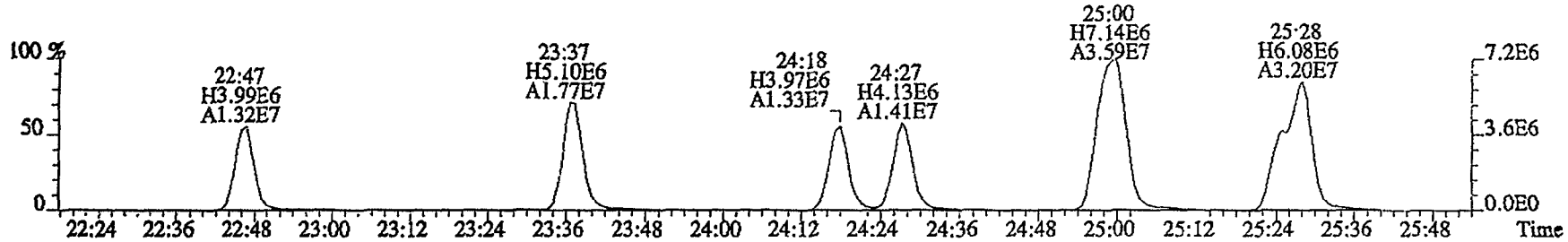
223.9974 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,25556.0,0.00%,F,F)



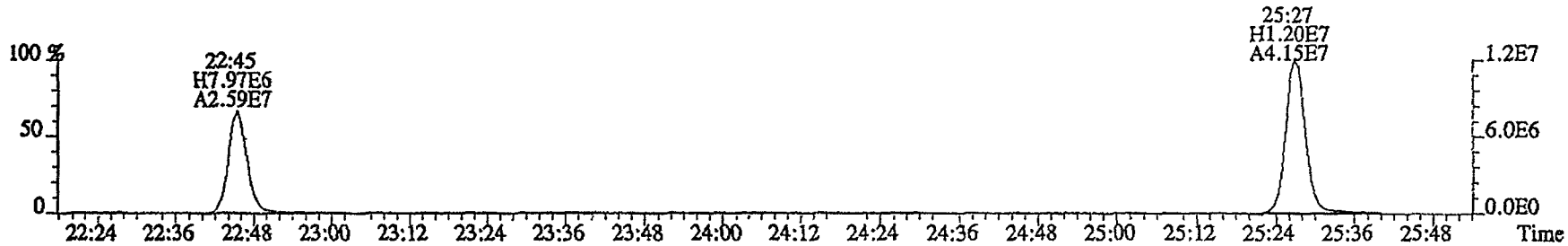
File:030929E1 #1-678 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2240.0,0.00%,F,F)



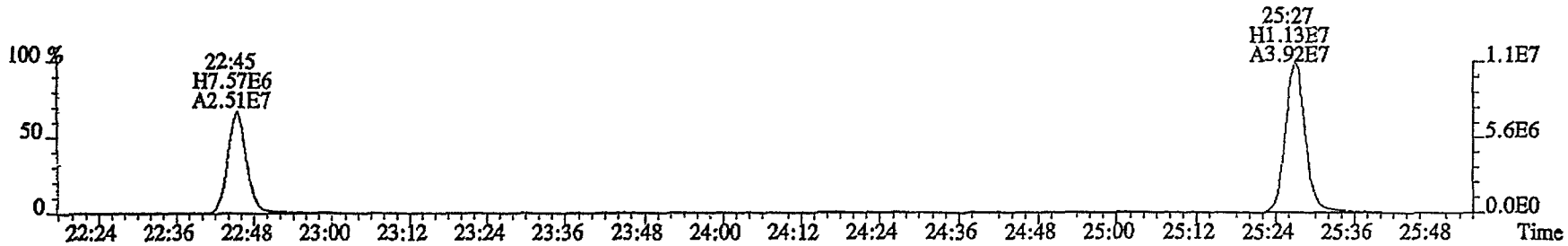
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1108.0,0.00%,F,F)



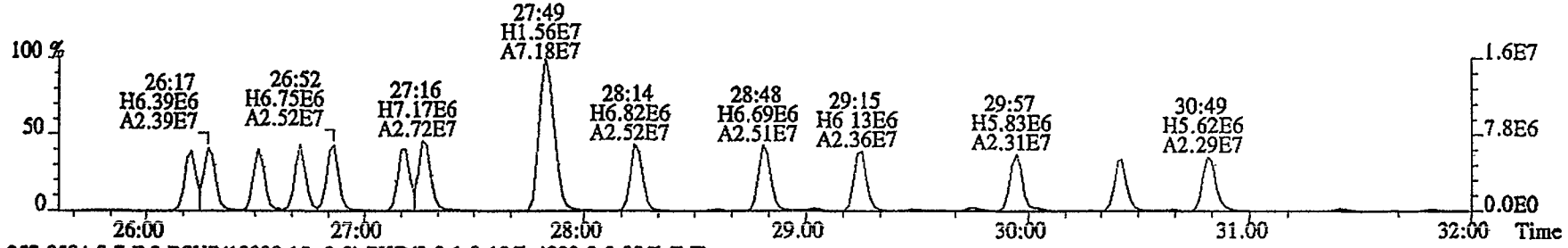
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,35468.0,0.00%,F,F)



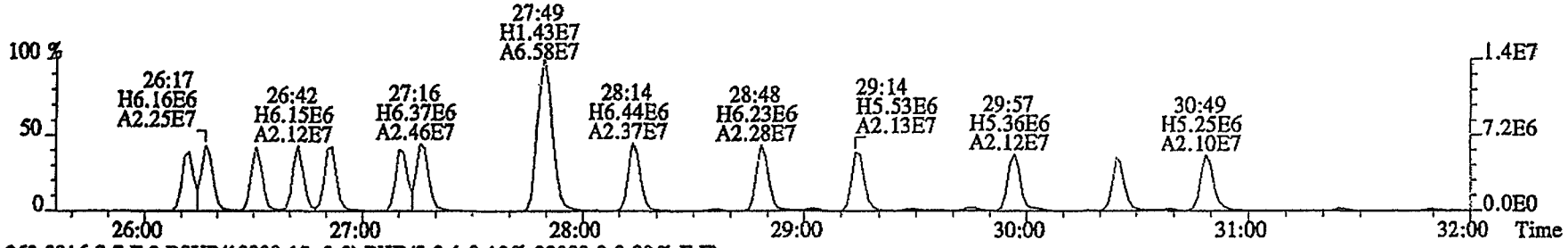
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,18920.0,0.00%,F,F)



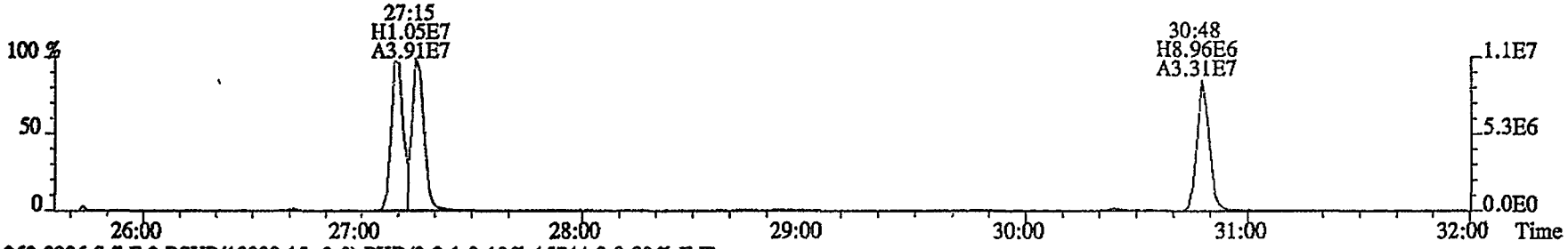
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7092.0,0.00%,F,F)



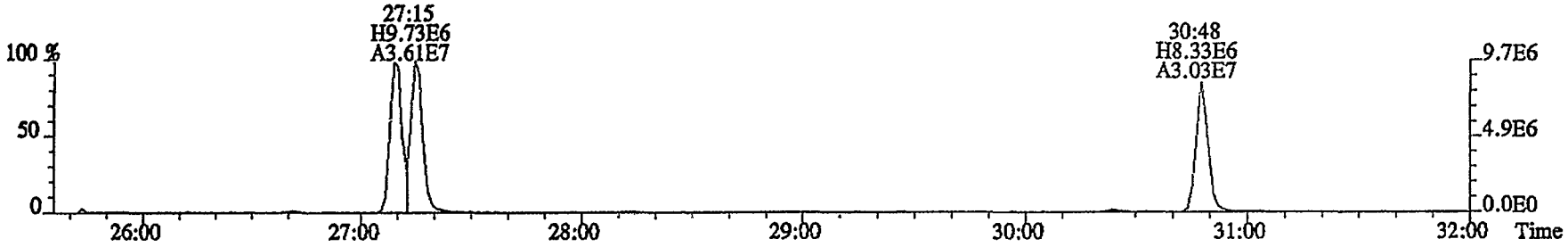
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4980.0,0.00%,F,F)



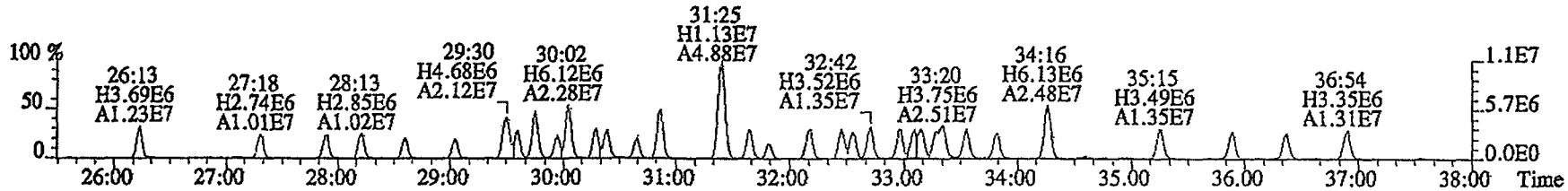
268.0016 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,32000.0,0.00%,F,F)



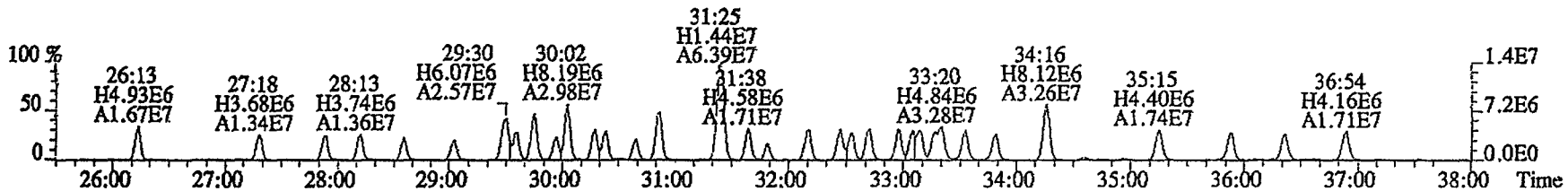
269.9986 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,15744.0,0.00%,F,F)



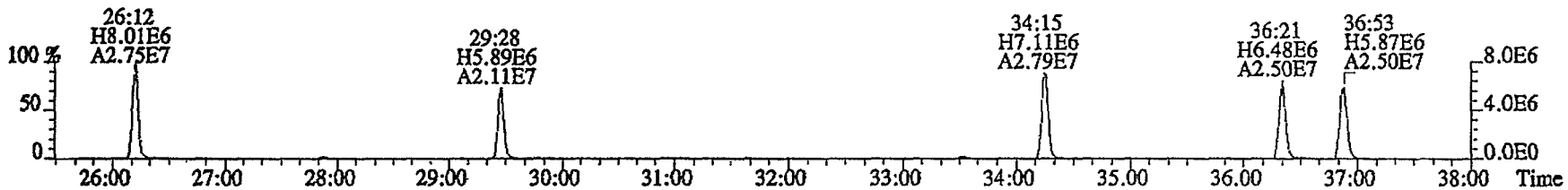
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,9520.0,0.00%,F,F)



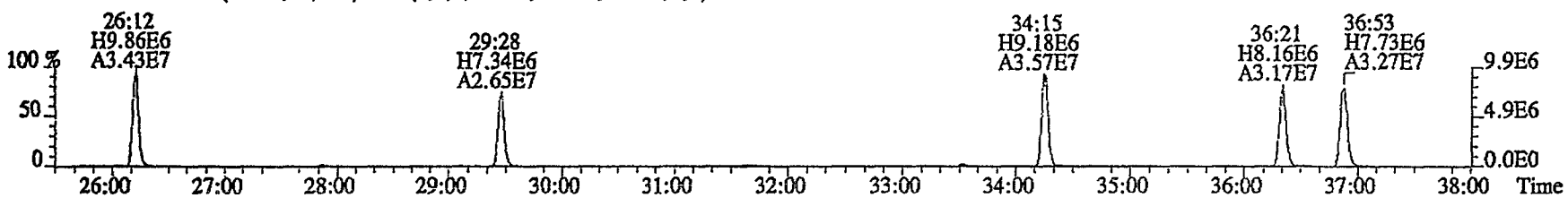
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8740.0,0.00%,F,F)



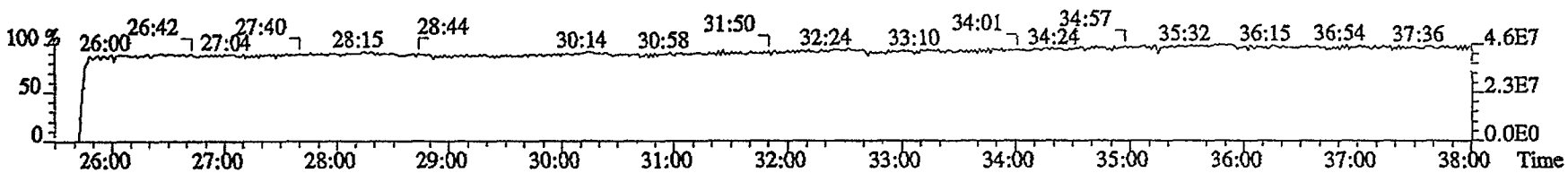
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2008.0,0.00%,F,F)



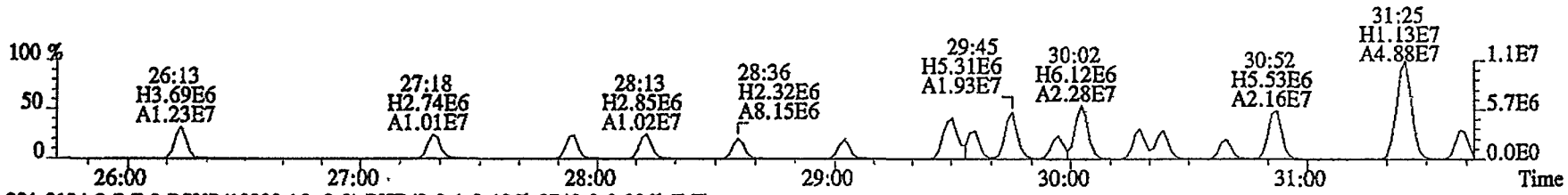
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1184.0,0.00%,F,F)



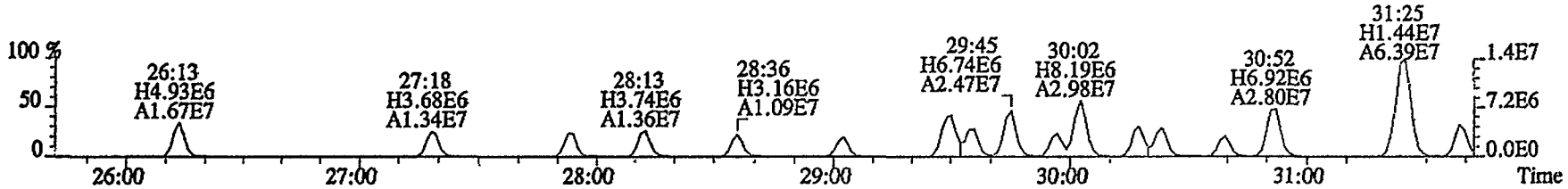
330.9792 S:7 F:3



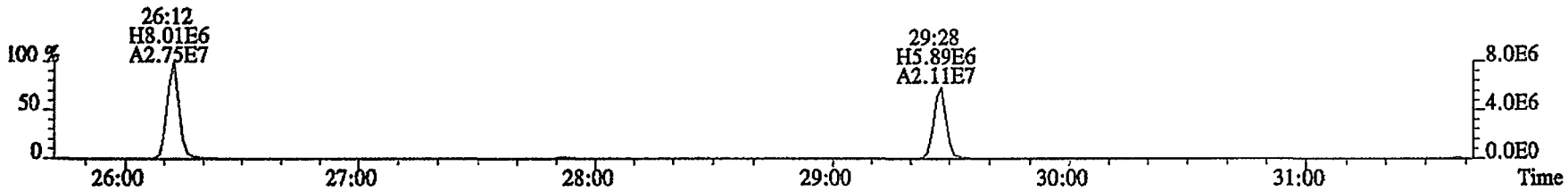
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,9520.0,0.00%,F,F)



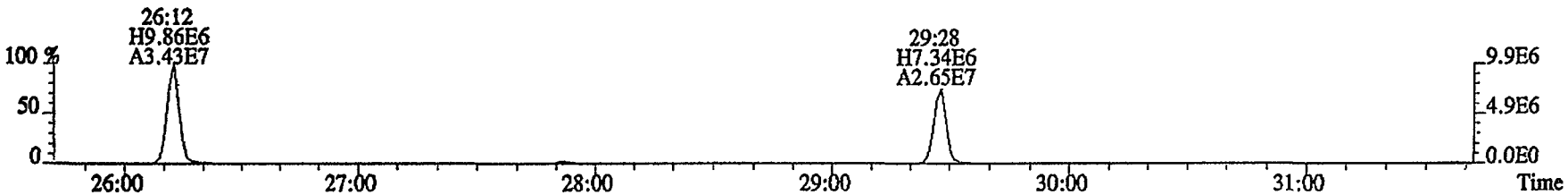
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8740.0,0.00%,F,F)



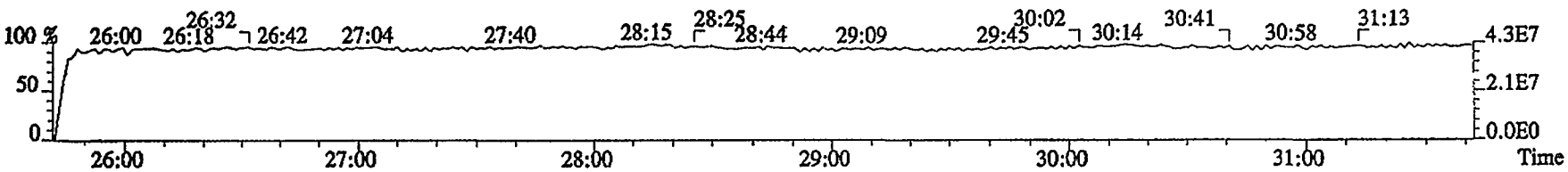
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2008.0,0.00%,F,F)



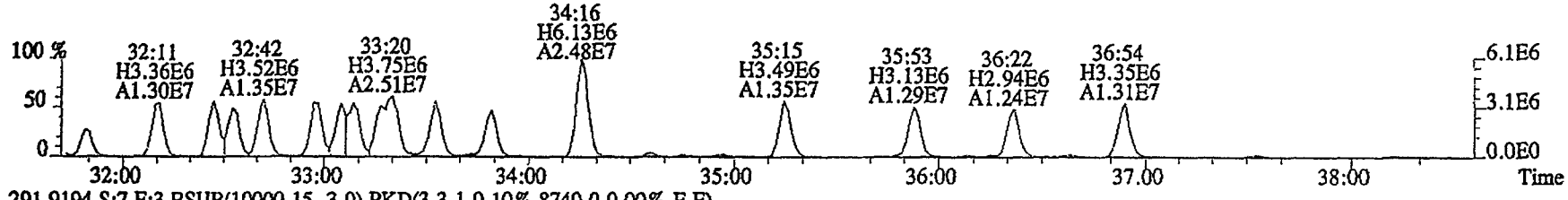
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1184.0,0.00%,F,F)



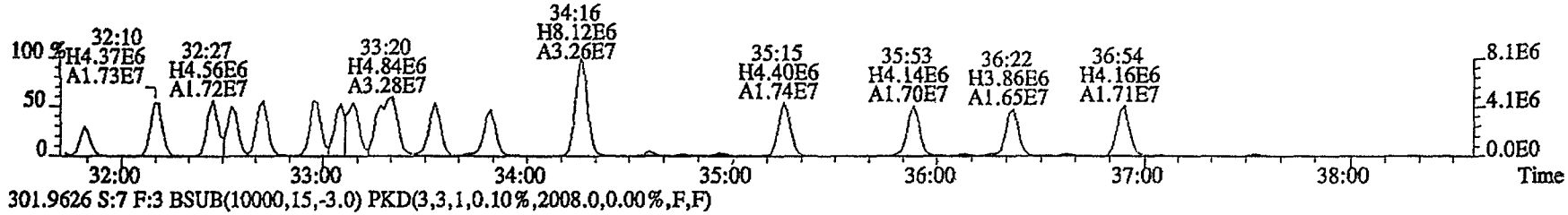
330.9792 S:7 F:3



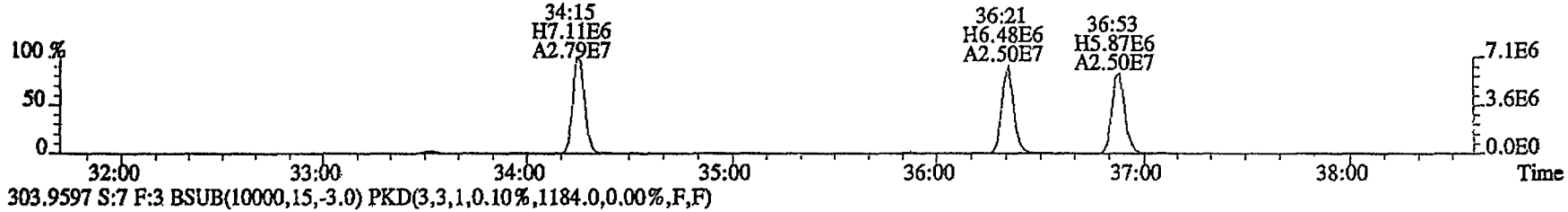
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,9520.0,0.00%,F,F)



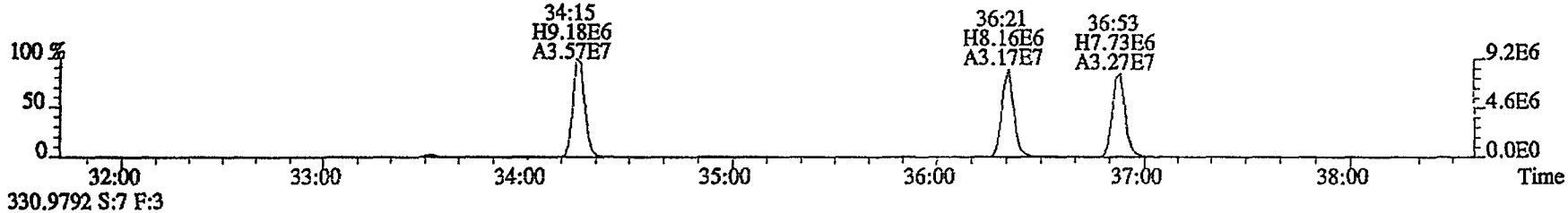
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8740.0,0.00%,F,F)



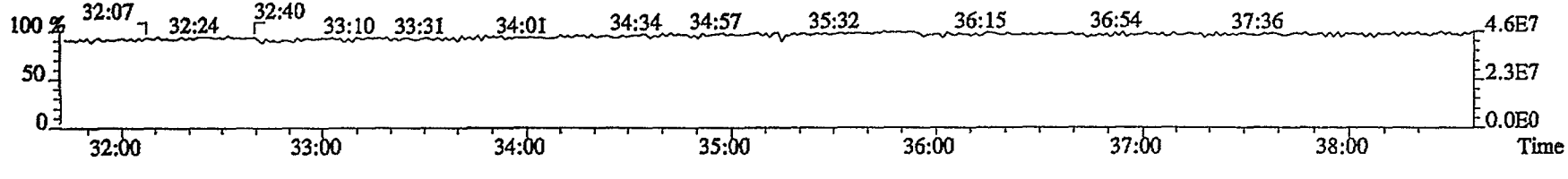
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2008.0,0.00%,F,F)



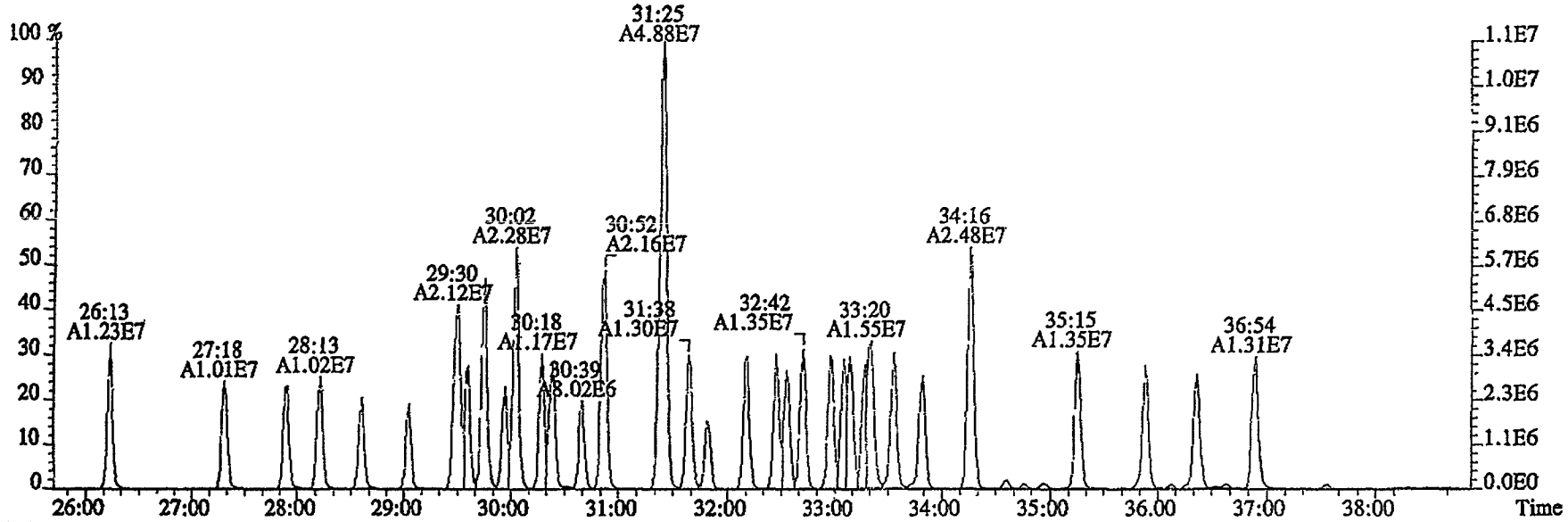
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1184.0,0.00%,F,F)



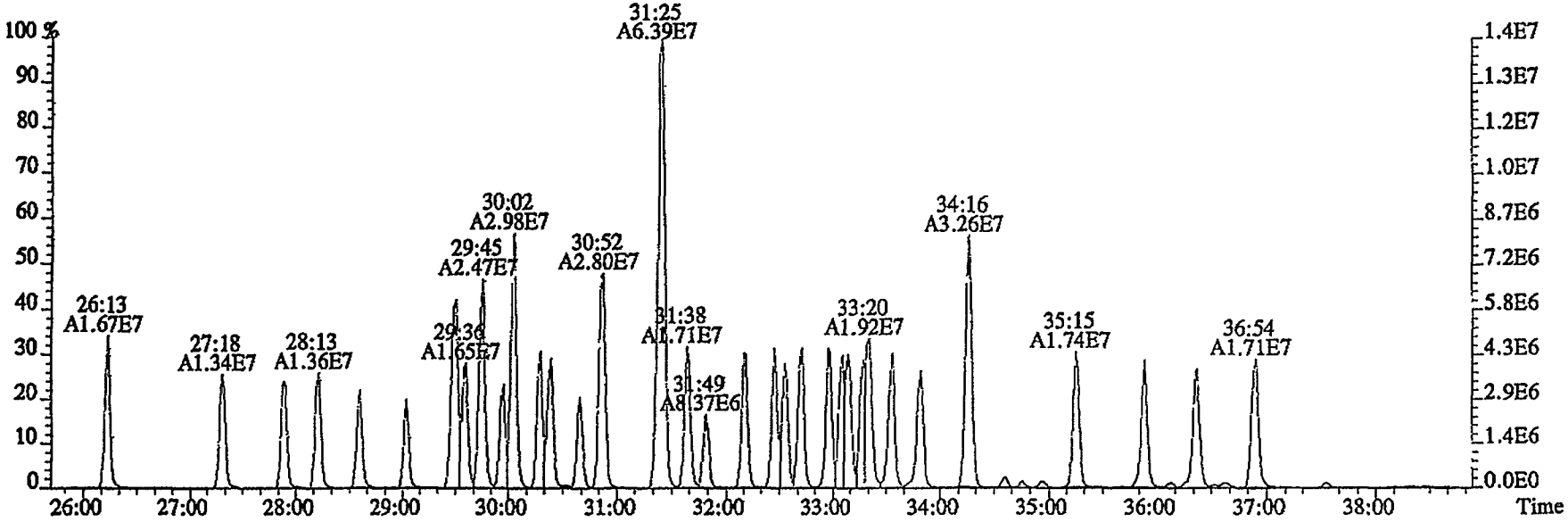
330.9792 S:7 F:3



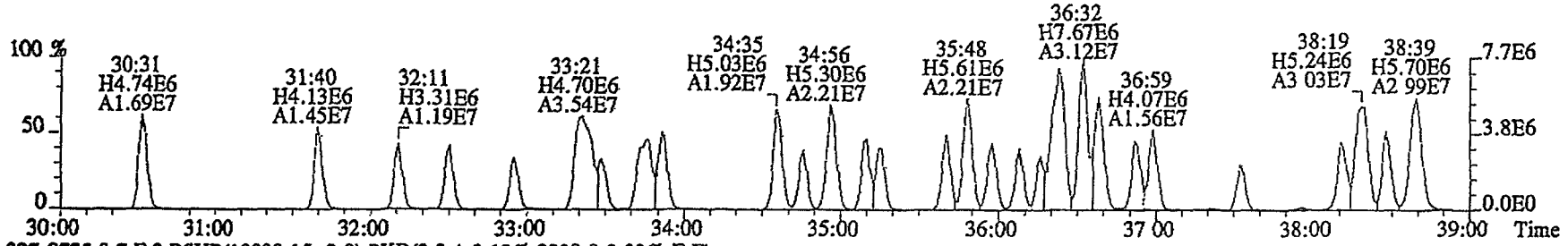
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,9520.0,0.00%,F,F)



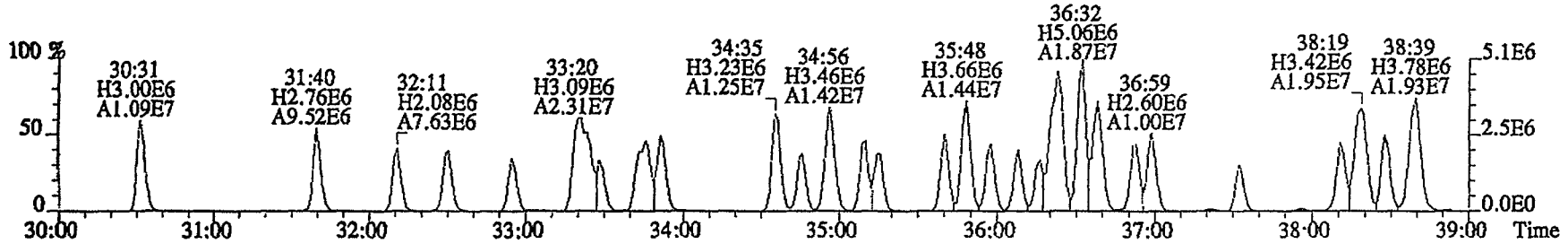
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8740.0,0.00%,F,F)



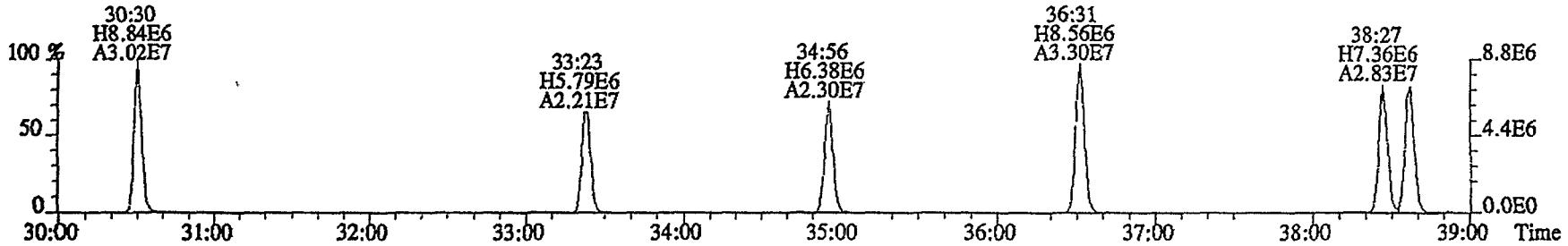
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1004.0,0.00%,F,F)



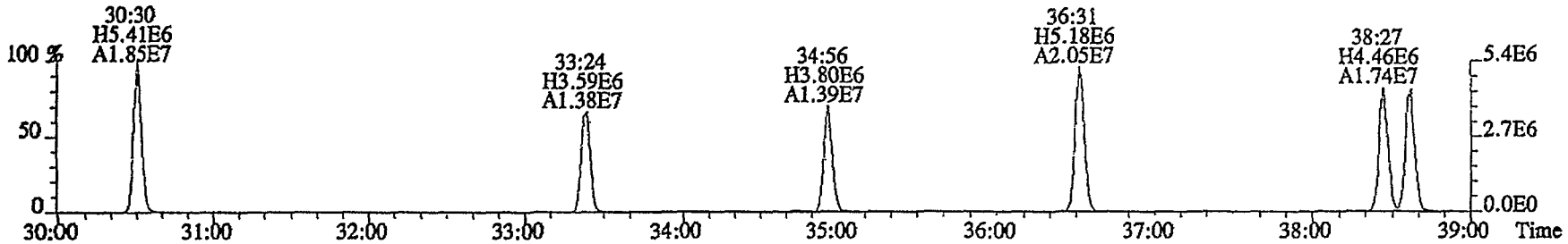
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3208.0,0.00%,F,F)



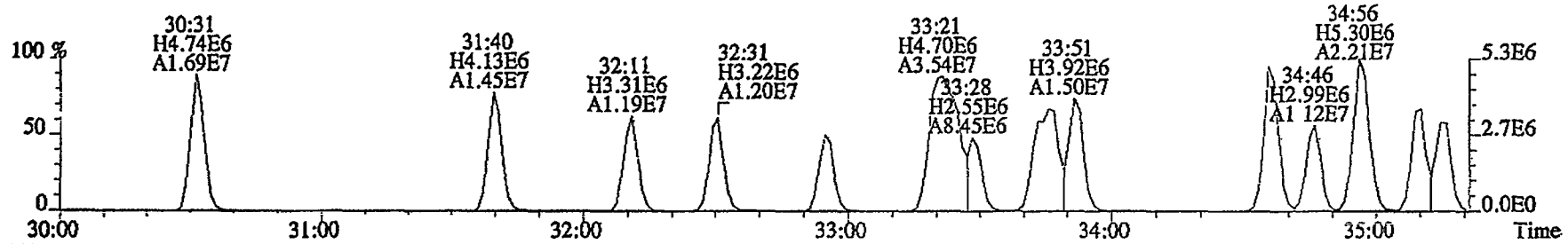
337.9207 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,380.0,0.00%,F,F)



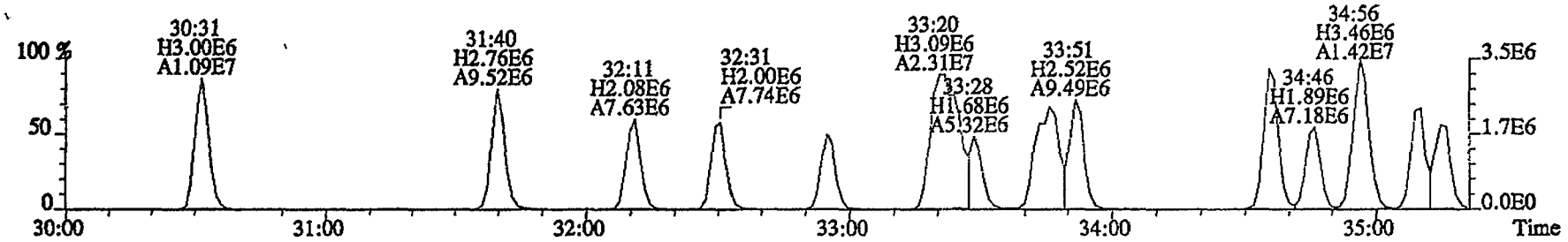
339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,F)



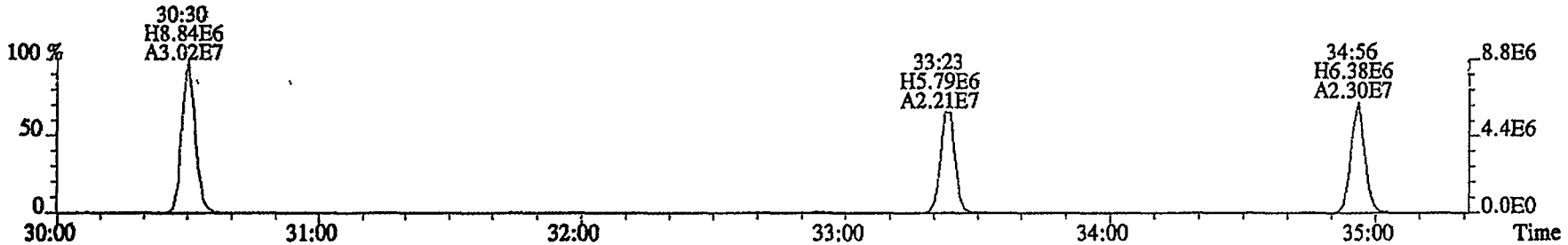
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1004.0,0.00%,F,F)



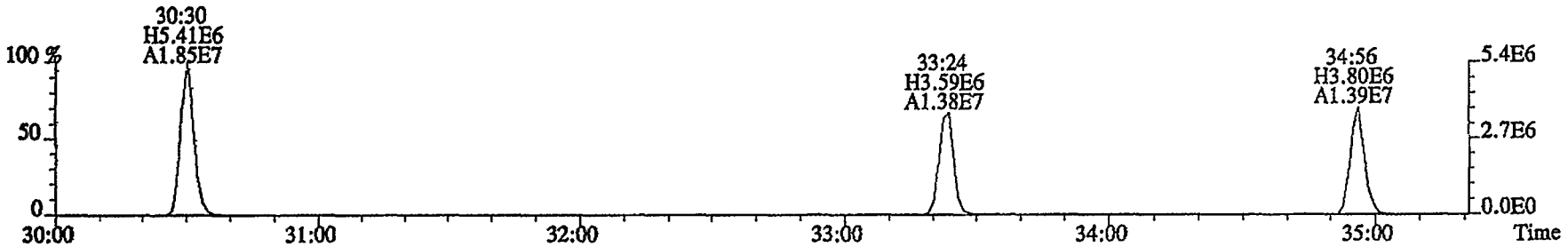
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3208.0,0.00%,F,F)



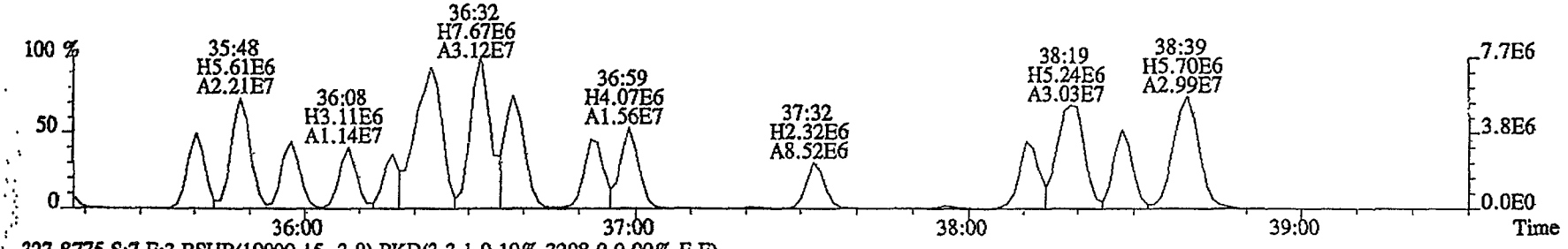
337.9207 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,380.0,0.00%,F,F)



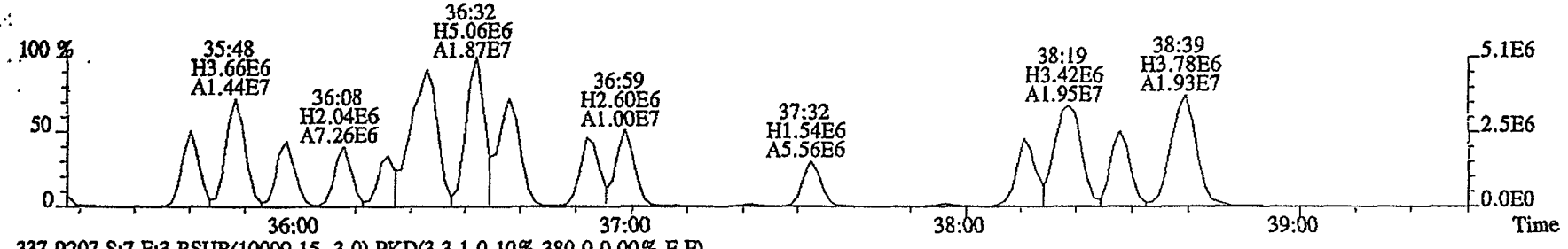
339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,F)



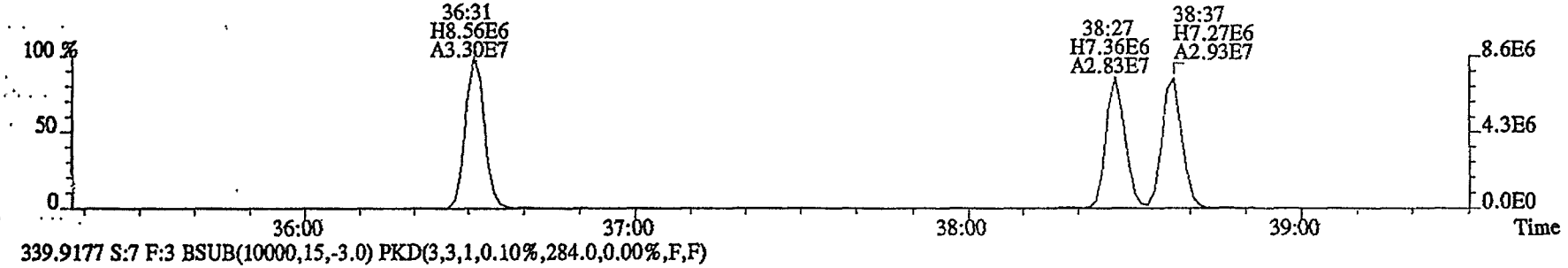
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
325.8804 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1004.0,0.00%,F,F)



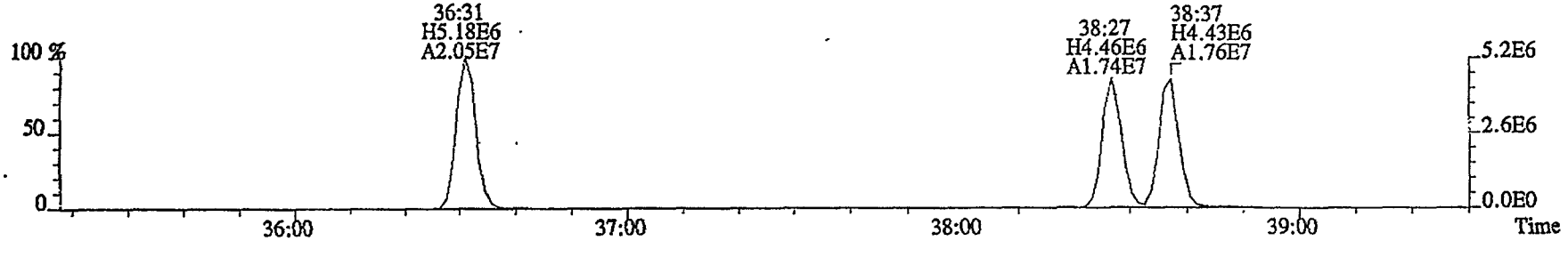
327.8775 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3208.0,0.00%,F,F)



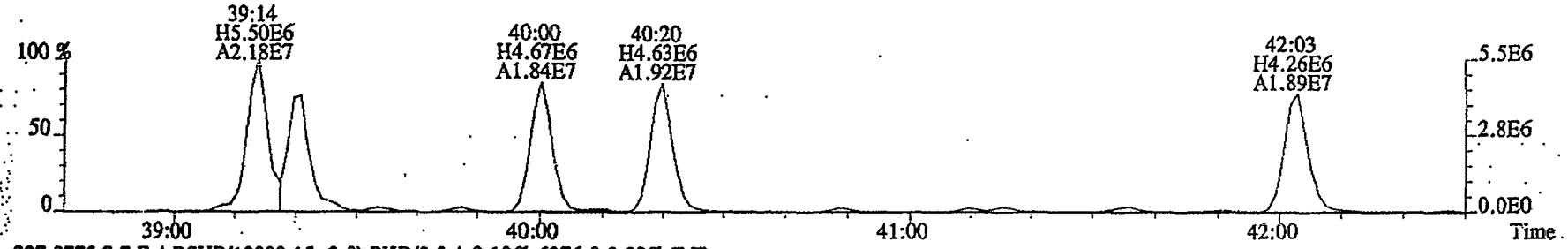
337.9207 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,380.0,0.00%,F,F)



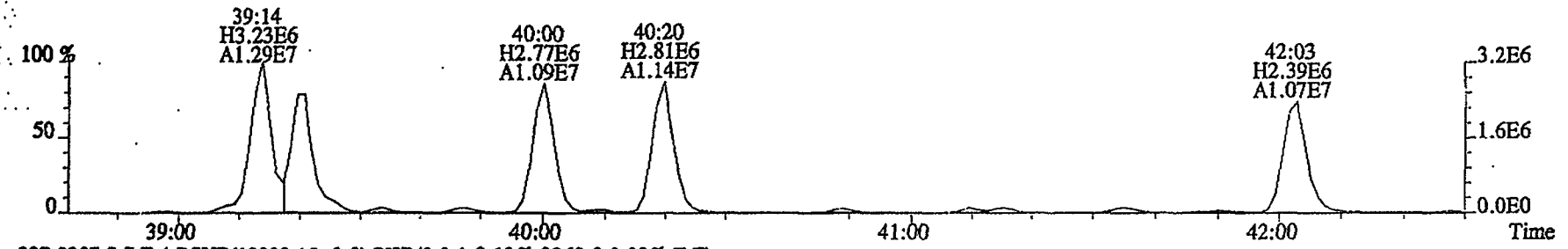
339.9177 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,F)



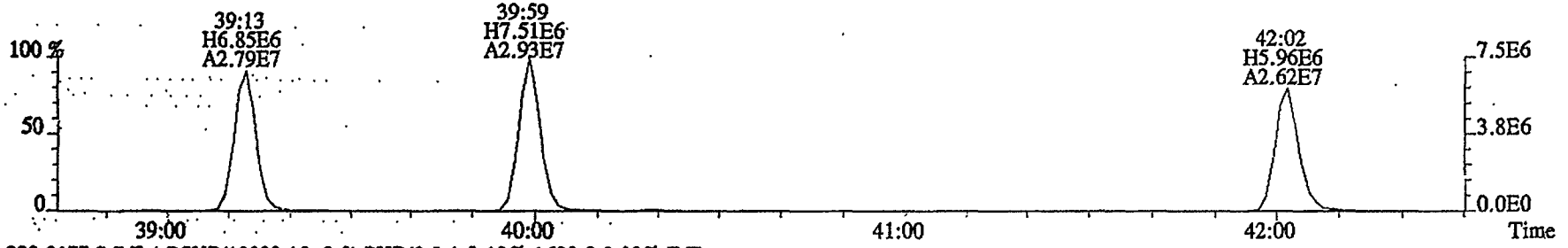
File:030929E1 #1-503 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3324.0,0.00%,F,F)



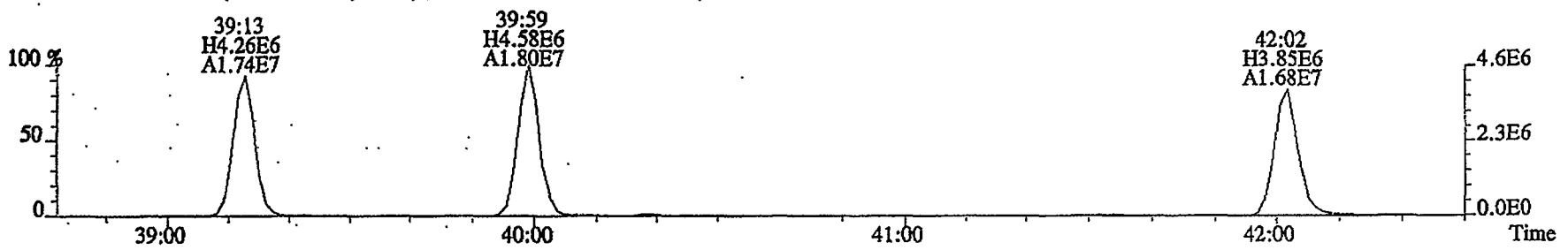
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6276.0,0.00%,F,F)



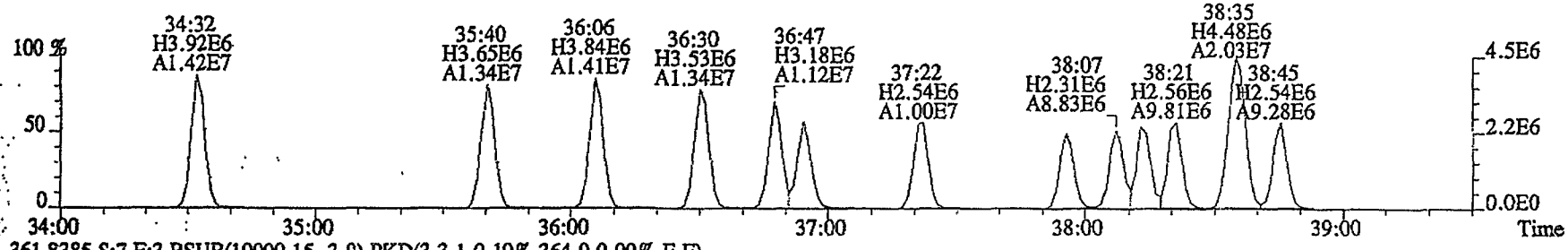
337.9207 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2268.0,0.00%,F,F)



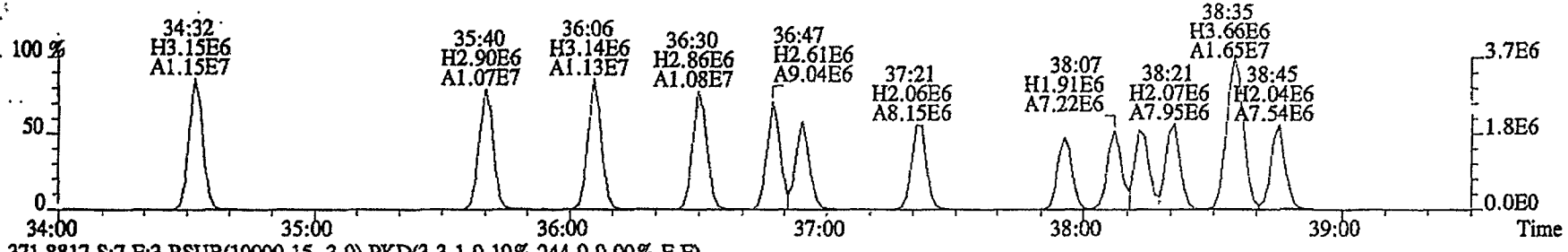
339.9177 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1600.0,0.00%,F,F)



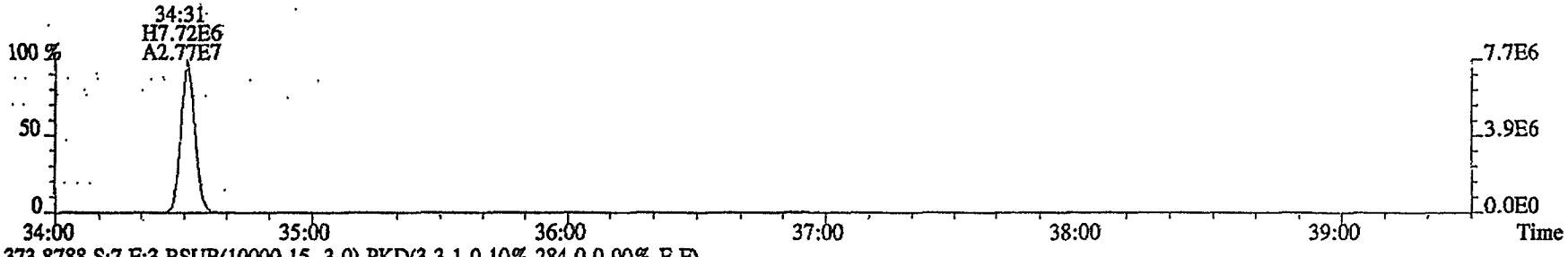
File:030929E1 #1-685 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
359.8415 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,592.0,0.00%,F,F)



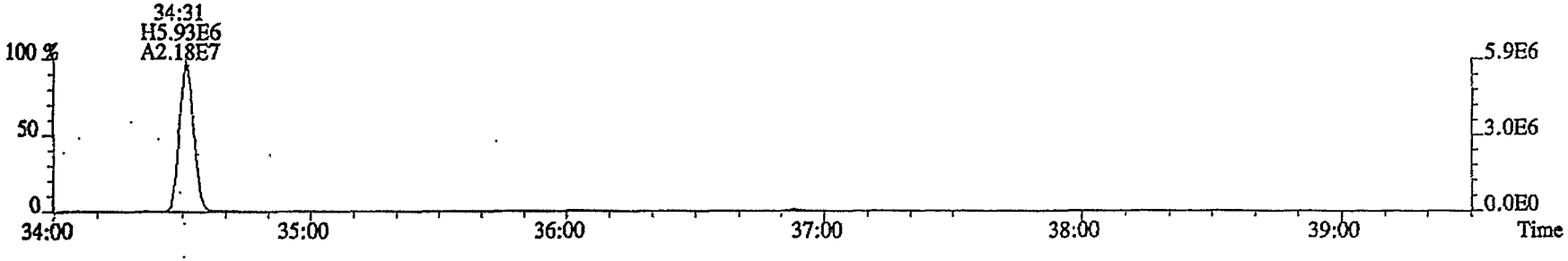
361.8385 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,364.0,0.00%,F,F)



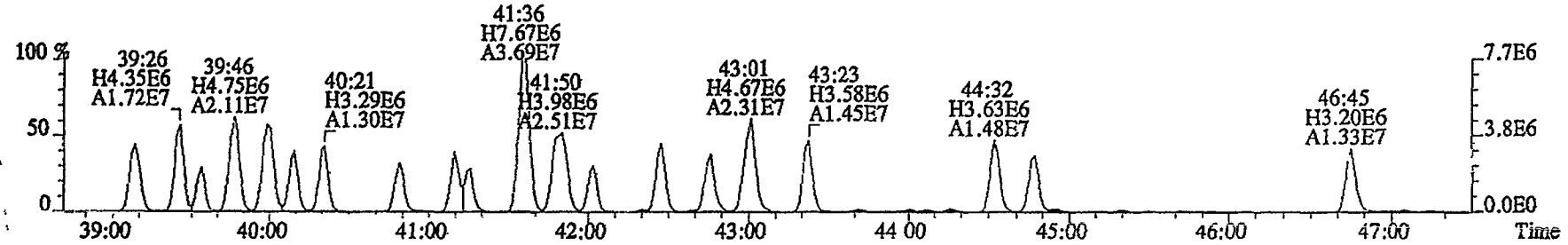
371.8817 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)



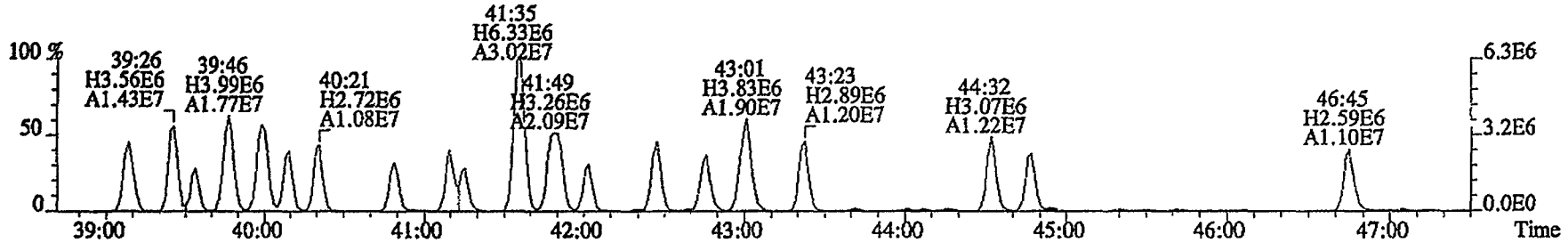
373.8788 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,F)



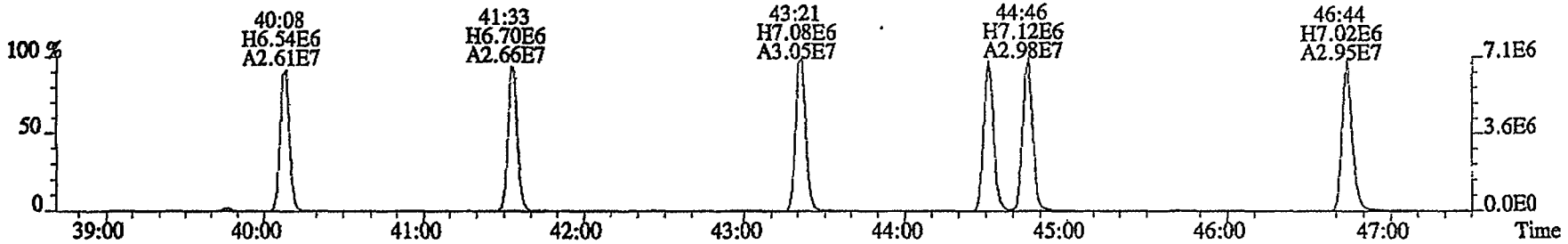
File:030929E1 #1-503 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
359.8415 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6464.0,0.00%,F,F)



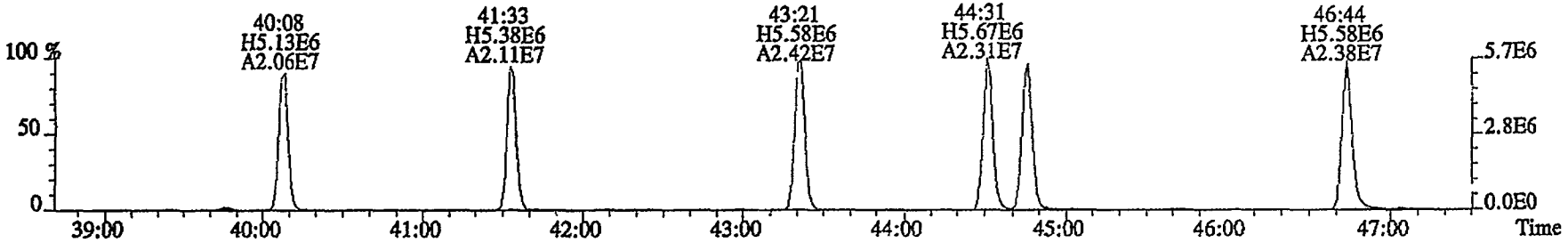
361.8385 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6708.0,0.00%,F,F)



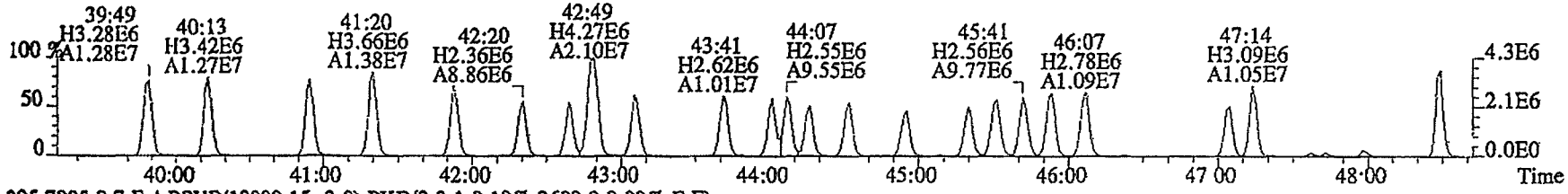
371.8817 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2480.0,0.00%,F,F)



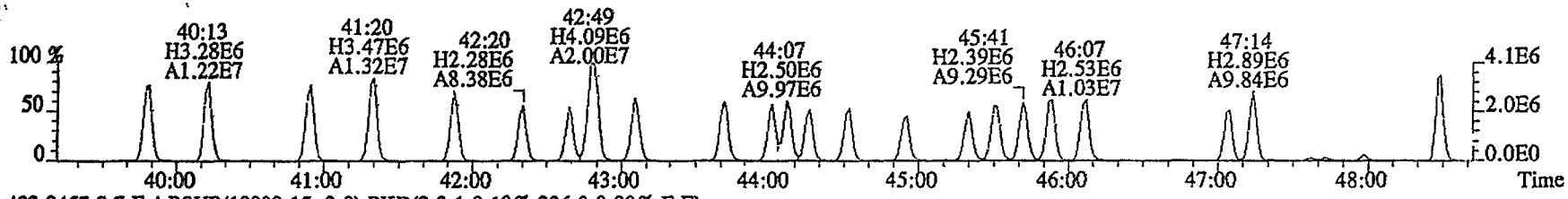
373.8788 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2664.0,0.00%,F,F)



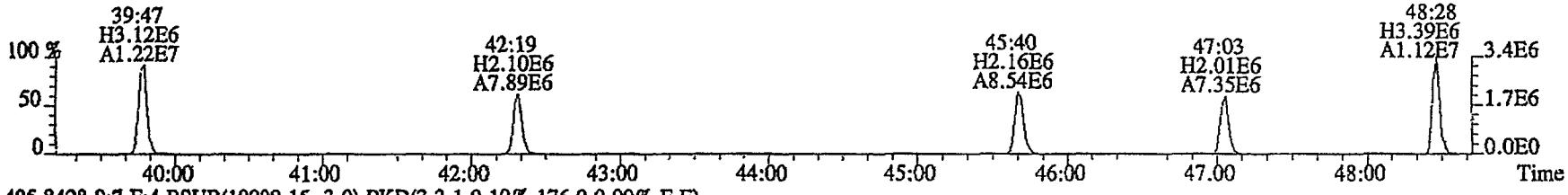
File:030929E1 #1-503 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
393.8025 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1356.0,0.00%,F,F)



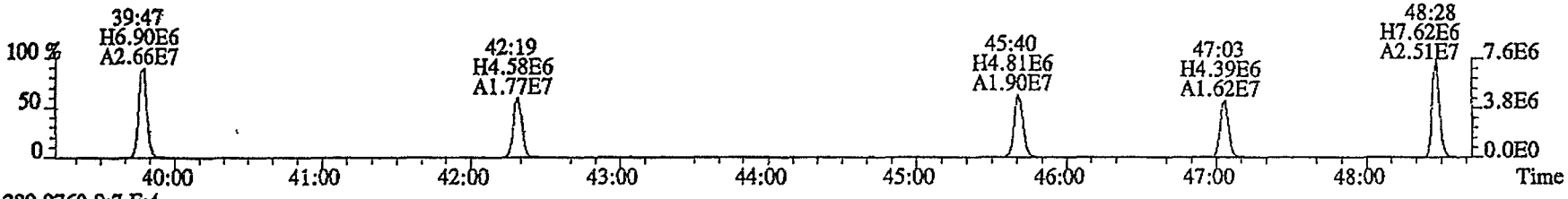
395.7995 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2688.0,0.00%,F,F)



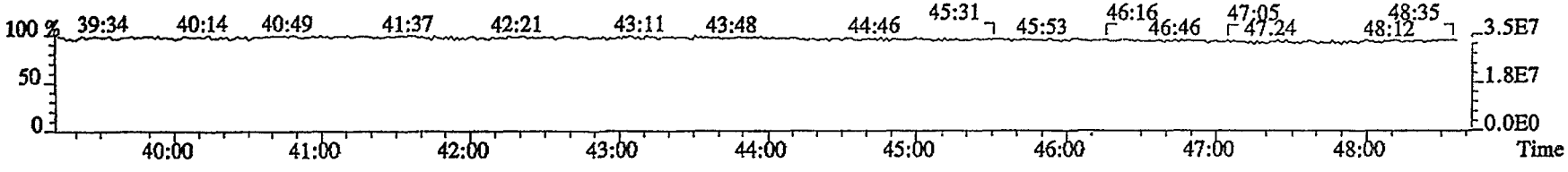
403.8457 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,236.0,0.00%,F,F)



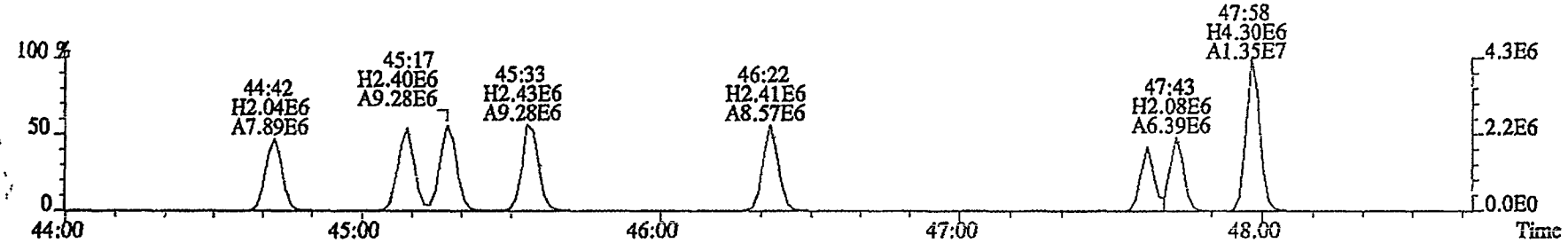
405.8428 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,176.0,0.00%,F,F)



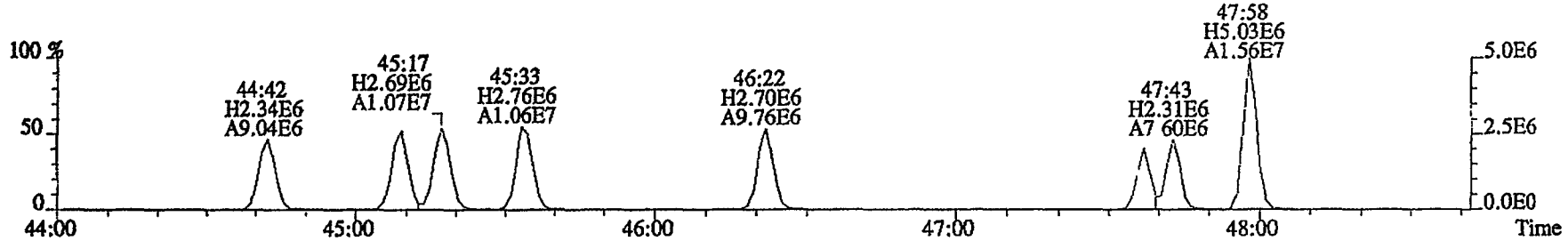
380.9760 S:7 F:4



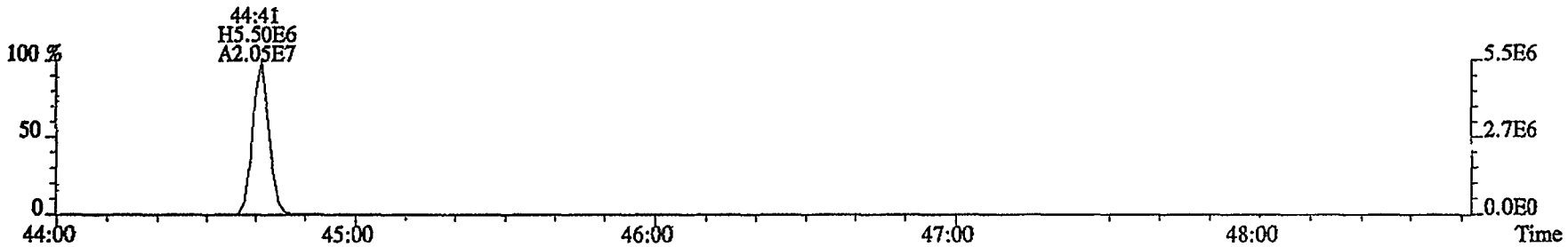
File:030929E1 #1-503 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
427.7635 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,200.0,0.00%,F,F)



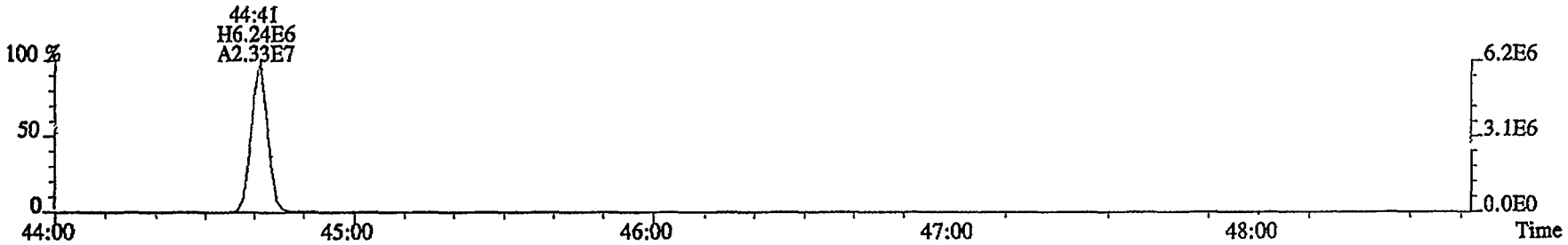
429.7606 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,392.0,0.00%,F,F)



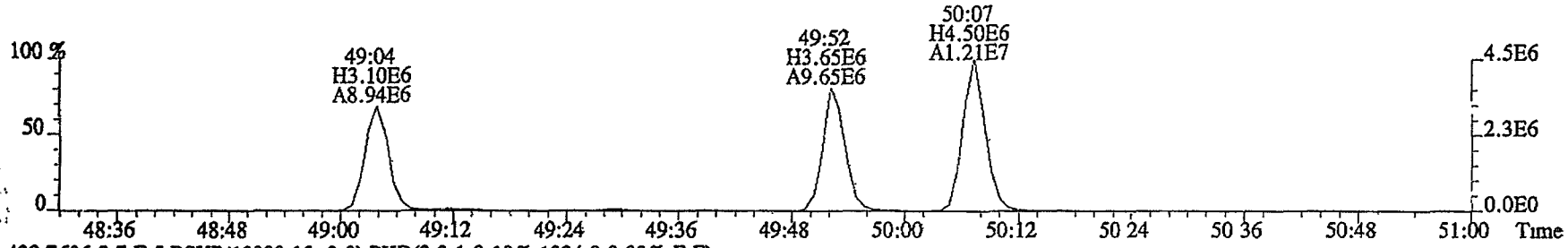
439.8038 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



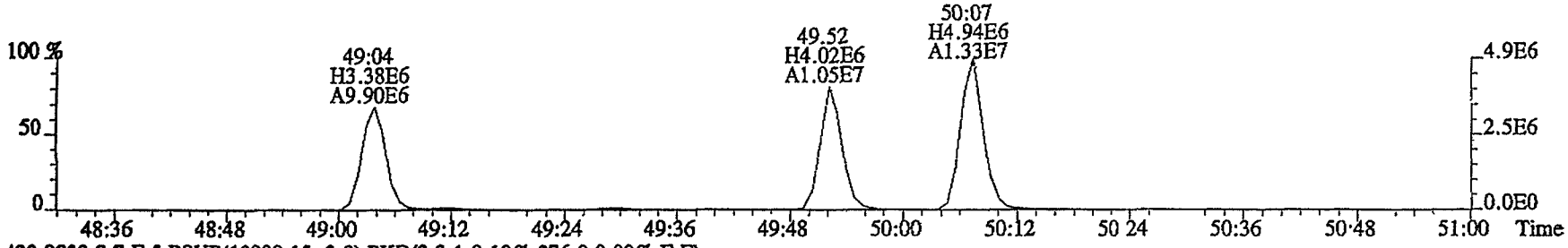
441.8008 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,212.0,0.00%,F,F)



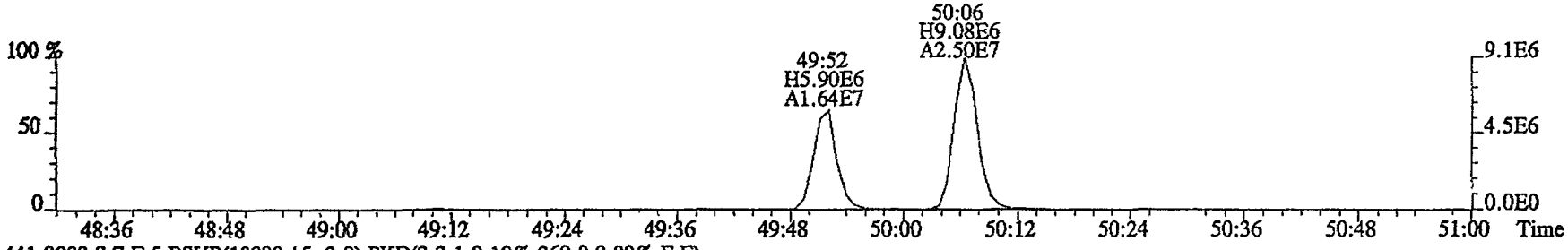
File:030929E1 #1-429 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,968.0,0.00%,F,F)



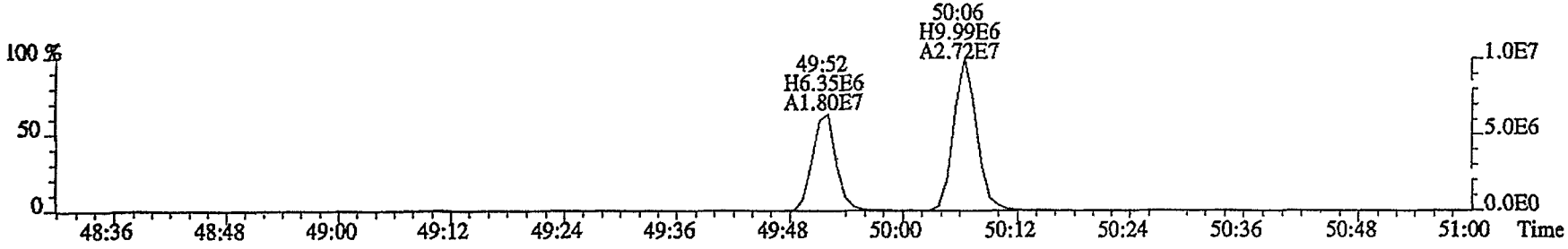
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1324.0,0.00%,F,F)



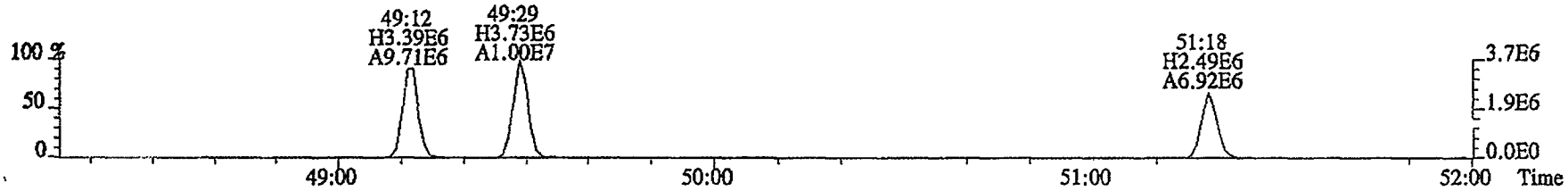
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



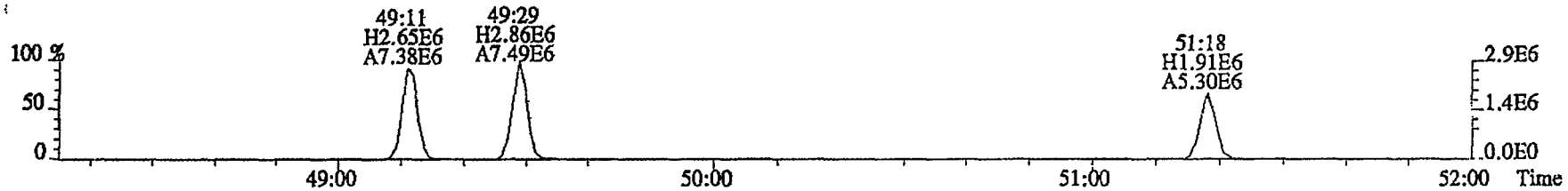
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,260.0,0.00%,F,F)



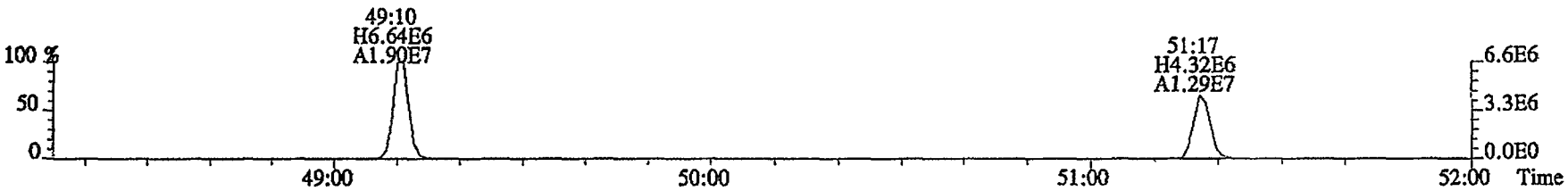
File:030929E1 #1-429 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
463.7216 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)



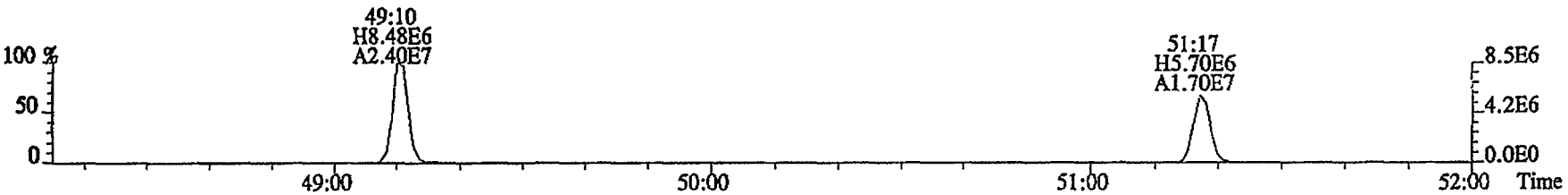
465.7186 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,296.0,0.00%,F,F)



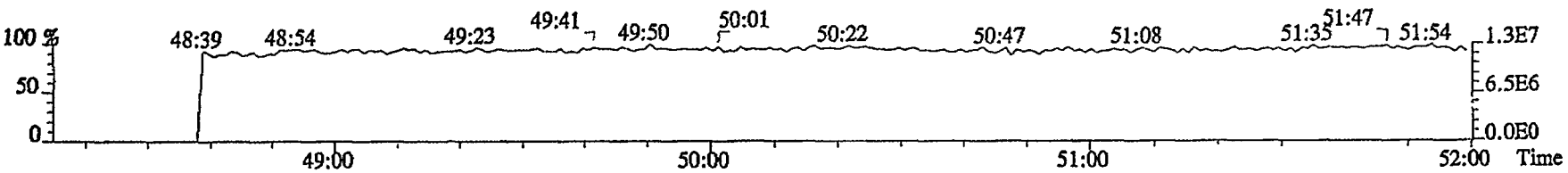
473.7648 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



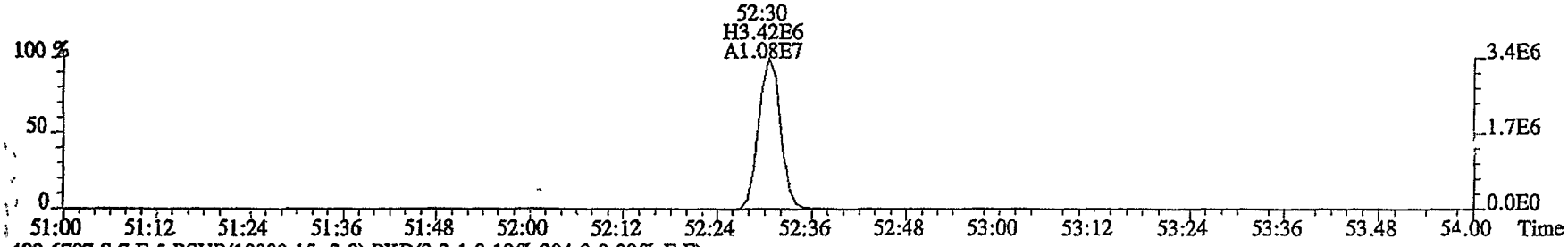
475.7619 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,268.0,0.00%,F,F)



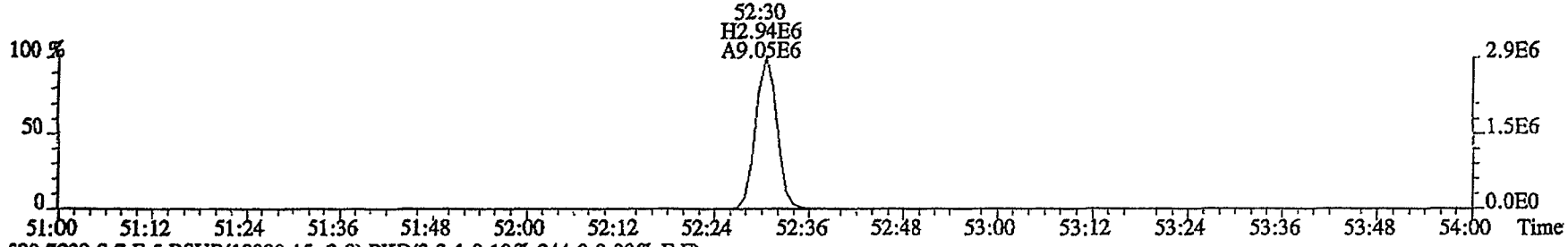
492.9697 S:7 F:5



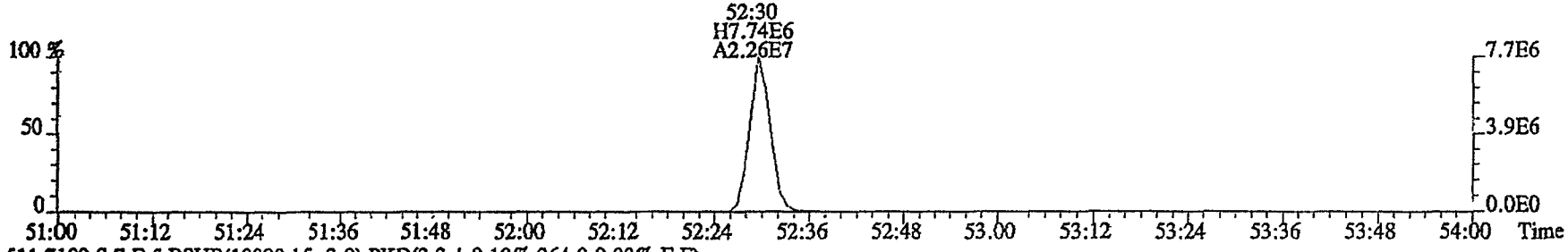
File:030929E1 #1-429 Acq:29-SEP-2003 18:08:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Alta Analytical Laboratory Text:ST030929E1-6 PCB 209 SSS 030711A Exp:PCB_DB1
497.6826 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



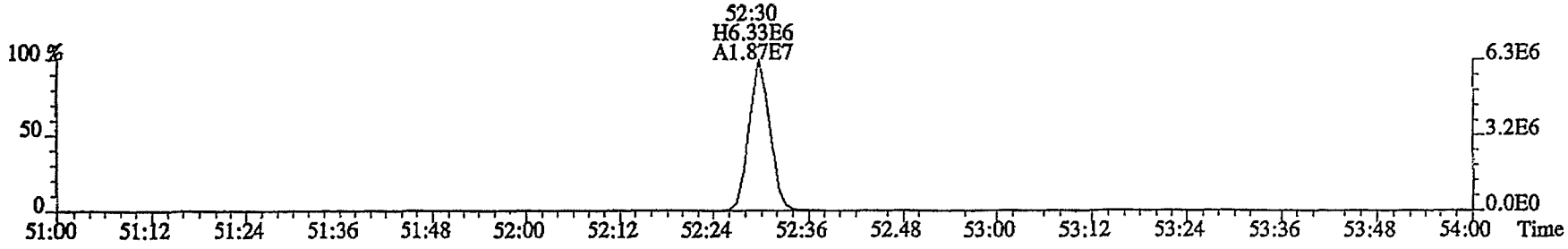
499.6797 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



509.7229 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,F)



511.7199 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



Appendix C
Time-weighted Slope Factor and Risk-Based Concentration

Appendix C
Time-Weighted Slope Factor and Risk-Based Concentration

A time-weighted risk-based concentration (RBC) for polychlorinated biphenyls (PCBs) in air was calculated using a time-weighted slope factor according to methodology that is proposed for the former Naval Station Treasure Island (E-mail from Marlene Berg/USEPA to Michael Wade/DTSC; October 30, 2003).

The United States Environmental Protection Agency (USEPA) provides the following range of slope factors for PCB mixtures (USEPA 1996 and 2004):

- High risk and persistence:
  - Upper bound slope factor = 2.0 $(mg/kg\text{-}day)^{-1}$
  - Central-estimate slope factor = 1.0 $(mg/kg\text{-}day)^{-1}$
- Low risk and persistence:
  - Upper bound slope factor = 0.4 $(mg/kg\text{-}day)^{-1}$
  - Central-estimate slope factor = 0.3 $(mg/kg\text{-}day)^{-1}$
- Lowest risk and persistence:
  - Upper bound slope factor = 0.07 $(mg/kg\text{-}day)^{-1}$
  - Central-estimate slope factor = 0.04 $(mg/kg\text{-}day)^{-1}$

USEPA recommends that the high-risk slope factor be used to evaluate potential risks for early life exposures and dust or aerosol inhalation of PCBs. The low-risk slope factor is recommended for evaluating potential risks associated with inhalation of evaporated congeners. The lowest-risk slope factor is recommended when the congener analysis indicates less than 0.5 percent of the congeners have more than four chlorines. The recommendation for use of the lowest-risk slope factor is based on evidence that congeners with four or more chlorines are more potent than congeners with less than four chlorines (USEPA 1996).

Consistent with the proposed methodology for Naval Station Treasure Island, it was assumed that "early life" means the first 2 years of life, so the high-risk slope factor was used for 2 years of the time-weighted slope factor calculation. For the other 28 years of exposure in a typical 30-year exposure duration period, the low-risk slope factor was used in the calculation of the time-weighted slope factor.

In addition to accounting for early life exposure and adult exposures, the time-weighted slope factor accounts for the distribution of congeners in the air samples and contributions from inhalation of dust and volatile fractions of PCBs in air. As shown on Table 2 of the main letter report, approximately 72 to 75 percent of the congeners detected in the air

samples have fewer than four chlorines (i.e., 72-75 percent of detected congeners are mono-, di-, or tri-chlorinated biphenyls), so use of the low-risk slope factor as the major component of the time-weighted slope factor is consistent with the congener distribution of the air samples. The high-risk slope factor is used for particulates, the and low-risk slope factor is used for volatile fractions of PCBs. PCBs measured in the air samples of Building 84 are a mixture of PCBs adhered to particulates and volatile PCBs.

The following formula was used to calculate the time-weighted slope factor:

$$TWSF = [(EDc \times HRSF) + (EDa \times LRSF)]/30 \text{ years}$$

Where:

TWSF = time-weighted slope factor $(mg/kg\text{-}day)^{-1}$.
EDc = exposure duration for "early life" (2 years).
EDa = exposure duration outside "early life" (28 years).
HRSF = high-risk slope factor ($2\ (mg/kg\text{-}day)^{-1}$).
LRSF = low-risk slope factor ($0.4\ (mg/kg\text{-}day)^{-1}$).

The following formula was used to calculate the time-weighted RBC:

$$TWRBC = (TR \times ATc)/(EF \times TWSF \times IR_{adj})$$

Where:

TWRBC = time-weighted RBC (mg/m^3).
ATc = averaging time for carcinogens (25,550 days).
EF = exposure frequency for residents (350 days per year).
TWSF = time-weighted slope factor ($0.51\ (mg/kg\text{-}day)^{-1}$).
IR_{adj} = Inhalation rate – age-adjusted ($11\ m^3\text{-}yr/kg\text{-}day$).

References

United States Environmental Protection Agency (USEPA). 1996. *PCBs: Cancer Dose-Response Assessment and Application to Environmental Mixtures*. EPA/600/P-96/001F. September.

_____. 2004. Integrated Risk Information System (IRIS). On-line database. http://www.epa.gov/iris/.

Appendix D
Evaluation of Dioxin-like PCB Congeners

Appendix D
Evaluation of Dioxin-like PCB Congeners

The following three dioxin-like polychlorinated biphenyl (PCB) congeners were detected in the air samples collected at Building 84: PCB-77, PCB-105, and PCB-106/118. PCB-106 is not a dioxin-like congener but PCBs 106 and 118 are not distinguishable since they co-elute from the chromatographic column and PCB-118 is a dioxin-like congener. For this analysis, the combined concentration of PCBs 106 and 118 were treated as if the entire concentration is attributable to PCB 118.

Table D-1 presents a summary of the data for these three congeners in units of nanogram/sample (ng/sample) and nanograms per cubic meter (ng/m^3). Information about flow rate of the samplers and sampling time were used to convert the results from ng/sample to ng/m^3.

The toxic equivalency factor (TEF) methodology was used to determine the toxic equivalent (TEQ) estimates for air concentrations of dioxin-like PCBs (USEPA 1996, 2000). The TEFs used in the evaluation are the World Health Organization values presented on Table 9-2 of USEPA's Dioxin Reassessment document (USEPA 2000). TEQs for each air sample were compared to the USEPA Region 9 ambient air preliminary remediation goal for 2,3,7,8-tetrachlorodibenzo-p-dioxin (4.5×10^{-5} ng/m^3). The TEQ estimates for each air sample are less than the ambient air preliminary remediation goal, indicating that potential risk associated with inhalation exposure to dioxin-like PCBs is less than 1×10^{-6} under current conditions.

References

United States Environmental Protection Agency (USEPA). 1996. *PCBs: Cancer Dose-Response Assessment and Application to Environmental Mixtures*. EPA/600/P-96/001F. September.

_____. 2000. *Draft Exposure and Human Health Reassessment of 2,3,7,8-TCDD and Related Compounds*. Draft Final Report. EPA/600/P-00/001Bb. September.

TABLE D-1
Toxic Equivalency Factor Calculations for the Dioxin-like Congeners
PCB Sites, Lennar Mare Island, Vallejo, California

	84-AIR-101			84-AIR-102D			84-AIR-103T			84-AIR-104		
Congener	**ng/sample**	**ng/m^3**	**x TEF (ng/m^3)**	**ng/sample**	**ng/m^3**	**x TEF (ng/m^3)**	**ng/sample**	**ng/m^3**	**x TEF (ng/m^3)**	**ng/sample**	**ng/m^3**	**x TEF (ng/m^3)**
PCB-77	0.248	0.044	4.42E-06	0.262	0.045	4.53E-06	0.05	0.009	8.91E-07	0.325	0.049	4.92E-06
PCB-105	0.194	0.035	3.46E-06	0.197	0.034	3.41E-06	0.05	0.009	8.91E-07	0.226	0.034	3.42E-06
PCB-106/118	0.653	0.116	1.16E-05	0.684	0.118	1.18E-05	0.19	0.034	3.39E-06	0.766	0.116	1.16E-05
	TEQ	**(ng/m^3) =**	**1.95E-05**	**TEQ**	**(ng/m^3) =**	**1.98E-05**	**TEQ**	**(ng/m^3) =**	**5.17E-06**	**TEQ**	**(ng/m^3) =**	**2.00E-05**

Notes:
PCB 106 is not a dioxin-like congener but PCBs 106 and 118 are not distinguishable since they co-elute from the chromatographic column.
Ambient PRG for TCDD = 4.50E-05 ng/m^3

ng/m^3 nanograms per cubic meter.
PRG Preliminary Remediation Goal (USEPA 2002).
TCDD 2,3,7,8-tetrachloro-p-dibenzodioxin.
TEF Toxic Equivalency Factor.
TEQ Toxic Equivalent.

TEFs for congeners (USEPA 2000)

PCB-77	0.0001
PCB-105	0.0001
PCB-118	0.0001