TestAmerica
ANALYTICAL TESTING CORPORATION
17461Derian Ave. Suite 100 Irvine CA 92614 (949) 261-1022 FAX (949) 260-3297

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

SAMPLED: 07/12/07

TestAmerica
ANALYTICAL TESTING CORPORATION

CASE NARRATIVE

Client:	GPL Laboratories	**Date Sampled:**	7/12/2007
Project:	Omega Chemical OU-2 SSID-BC Omega Chemical 335392.FI.01	**Date Received:**	7/12/2007
Lab:	IQG1031		

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation. The sample temperature was measured at 13.1° C upon receipt at the laboratory.

HOLDING TIMES: The original analysis for Chromium VI on sample IQG1031-01 was within hold time, but due to instrument problems the closing QC samples did not pass. Sample reanalyzed past holding time with passing QC and results confirmed.

PROBLEMS ENCOUNTERED: No problems were encountered.

QA/QC CRITERIA: The MS and/or MSD recoveries for Chromium VI were above acceptance limits due to sample matrix interference for EPA 218.6 QC batch 7G13055. See LCS.

OBSERVATIONS: Reporting limit was raised due to insufficient sample volume for EPA 1625C-CI Mod sample IQG1031-02.

SUBCONTRACTED: EPA 524.2 Mod analysis was performed at TestAmerica - Ontario, CA.

TestAmerica - Irvine, CA

Michele Chamberlin

Michele Chamberlin for Trevor Brenner
Client Services Manager
BB

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The case narrative is an integral part of the report. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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LABORATORY REPORT

Prepared For: GPL Laboratories
7210-A Corporate Court
Frederick, MD 21703
Attention: Pat Huebschman

Project:Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01

Sampled: 07/12/07
Received: 07/12/07
Revised: 07/28/07 10:28

NELAP #01108CA California ELAP#1197 CSDLAC #10256

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

ADDITIONAL INFORMATION: Per client's request, client project manager's name was changed.

LABORATORY ID	CLIENT ID	MATRIX
IQG1031-01	OC2-MW27D-W-0-590	Water
IQG1031-02	OC2-MW27C-W-0-591	Water
IQG1031-03	OC2-MW27B-W-0-592	Water
IQG1031-04	OC2-MW27B-W-1-593	Water
IQG1031-05	OC2-MW27A-W-0-594	Water

Reviewed By:

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

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QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3299
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4687 FAX (909) 370-1046
9830 South 51st St., Suite B-12D, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 796-3620 FAX (702) 798-3628

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY FORM

IQ61031

Page 1 of 1

Client Name/Address: CH2MHILL, 3 Hutton Centre Drive, Suite 200, Santa Ana, CA 92707

Project/PO Number: Omega Chemical 335392.FI.01

Project Manager: Dan Jablonski

Phone Number: (714) 429-2000

Sampler: Mike Ladaw

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	NDMA	1,2,3-TCP	Hex Cr.	COD						Special Instructions
OC2-MW27D-W-0-590	GW	VAR	7	7.12.07	0810	VAR	X	X	X	X						
OC2-MW27C-W-0-591	↓	↓	7	↓	0850	↓	X	X	X	X						
OC2-MW27B-W-0-592	↓	↓	7	↓	0945	↓	X	X	X	X						
OC2-MW27B-W-1-593	↓	↓	7	↓	1000	↓	X	X	X	X						
OC2-MW27A-W-0-594	↓	↓	7	↓	1100	↓	X	X	X	X						

Relinquished By: [signature] Date/Time: 7-12-07 1441

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received in Lab By: [signature] Date/Time: 7/12/07 1441

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

13.12

A.P. 1715 7/12/07

Note: By relinquishing samples to Test America, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

SUBCONTRACT ORDER

TestAmerica - Irvine, CA

IQG1031

SENDING LABORATORY:

TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Trevor Brenner
Client: GPL Laboratories

RECEIVING LABORATORY:

TestAmerica - Ontario, CA
1014 E. Cooley Drive, Suite AB
Colton, CA 92324
Phone :(909) 370-4667
Fax: (909) 370-1046
Project Location: California
Receipt Temperature:_____°C Ice: Y / N

Analysis	Due	Expires	Interlab	Surch	Comments
Sample ID: IQG1031-01	**Water**		Sampled: **07/12/07 08:10**		
524.2 CA 123-TCP (SIM) DN	07/23/07 12:00	07/26/07 08:10	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 08:10	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-02	**Water**		Sampled: **07/12/07 08:50**		
524.2 CA 123-TCP (SIM) DN	07/23/07 12:00	07/26/07 08:50	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 08:50	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-03	**Water**		Sampled: **07/12/07 09:45**		
524.2 CA 123-TCP (SIM) DN	07/23/07 12:00	07/26/07 09:45	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 09:45	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-04	**Water**		Sampled: **07/12/07 10:00**		
524.2 CA 123-TCP (SIM) DN	07/23/07 12:00	07/26/07 10:00	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 10:00	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-05	**Water**		Sampled: **07/12/07 11:00**		
524.2 CA 123-TCP (SIM) DN	07/23/07 12:00	07/26/07 11:00	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 11:00	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			

Released By	Date/Time	Received By	Date/Time
Released By	Date/Time	Received By	Date/Time

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LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

ANALYTICAL REPORT

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

GPL Laboratories
7210-A Corporate Court
Frederick, MD 21703
Attention: Pat Huebschman

Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG1031

Sampled: 07/12/07
Received: 07/12/07

SEMI-VOL ORGANICS by GC/MS-CHEMICAL IONIZATION (EPA 3520C/1625C-CI MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IQG1031-01 (OC2-MW27D-W-0-590 - Water)								
Reporting Units: ug/l								
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G16057	0.0020	ND	0.985	7/16/2007	7/17/2007	
Sample ID: IQG1031-02 (OC2-MW27C-W-0-591 - Water)								**RL4**
Reporting Units: ug/l								
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G16057	0.0021	ND	1.03	7/16/2007	7/17/2007	
Sample ID: IQG1031-03 (OC2-MW27B-W-0-592 - Water)								
Reporting Units: ug/l								
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G16057	0.0020	ND	0.98	7/16/2007	7/18/2007	
Sample ID: IQG1031-04 (OC2-MW27B-W-1-593 - Water)								
Reporting Units: ug/l								
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G16057	0.0019	ND	0.943	7/16/2007	7/18/2007	
Sample ID: IQG1031-05 (OC2-MW27A-W-0-594 - Water)								
Reporting Units: ug/l								
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G16057	0.0019	ND	0.971	7/16/2007	7/18/2007	

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

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GPL Laboratories
7210-A Corporate Court
Frederick, MD 21703
Attention: Pat Huebschman

Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG1031

Sampled: 07/12/07
Received: 07/12/07

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IQG1031-01 (OC2-MW27D-W-0-590 - Water)								
Reporting Units: mg/l								
Chemical Oxygen Demand	EPA 410.4	7G16119	20	ND	1	7/16/2007	7/16/2007	
Chromium VI	EPA 218.6	7G13055	0.00030	ND	1	7/13/2007	7/13/2007	A-01
Sample ID: IQG1031-02 (OC2-MW27C-W-0-591 - Water)								
Reporting Units: mg/l								
Chemical Oxygen Demand	EPA 410.4	7G16119	20	ND	1	7/16/2007	7/16/2007	
Chromium VI	EPA 218.6	7G13055	0.00030	ND	1	7/13/2007	7/13/2007	
Sample ID: IQG1031-03 (OC2-MW27B-W-0-592 - Water)								
Reporting Units: mg/l								
Chemical Oxygen Demand	EPA 410.4	7G16119	20	ND	1	7/16/2007	7/16/2007	
Chromium VI	EPA 218.6	7G13055	0.00030	ND	1	7/13/2007	7/13/2007	
Sample ID: IQG1031-04 (OC2-MW27B-W-1-593 - Water)								
Reporting Units: mg/l								
Chemical Oxygen Demand	EPA 410.4	7G16119	20	ND	1	7/16/2007	7/16/2007	
Chromium VI	EPA 218.6	7G13055	0.00030	ND	1	7/13/2007	7/13/2007	
Sample ID: IQG1031-05 (OC2-MW27A-W-0-594 - Water)								
Reporting Units: mg/l								
Chemical Oxygen Demand	EPA 410.4	7G16119	20	ND	1	7/16/2007	7/16/2007	
Chromium VI	EPA 218.6	7G13055	0.00030	ND	1	7/13/2007	7/13/2007	

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GPL Laboratories	Project ID: Omega Chemical OU-2 SSID-BC	
7210-A Corporate Court	Omega Chemical 335392.FI.01	Sampled: 07/12/07
Frederick, MD 21703	Report Number: IQG1031	Received: 07/12/07
Attention: Pat Huebschman		

CDHS SRL 524 MODIFIED METHOD FOR 1,2,3-TRICHLOROPROPANE PT/GCMS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IQG1031-01 (OC2-MW27D-W-0-590 - Water)								
Reporting Units: ng/L								
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCPC7G1703		5.0	ND	1	7/17/2007	7/17/2007	
Sample ID: IQG1031-02 (OC2-MW27C-W-0-591 - Water)								
Reporting Units: ng/L								
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCPC7G1703		5.0	ND	1	7/17/2007	7/17/2007	
Sample ID: IQG1031-03 (OC2-MW27B-W-0-592 - Water)								
Reporting Units: ng/L								
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCPC7G1703		5.0	ND	1	7/17/2007	7/17/2007	
Sample ID: IQG1031-04 (OC2-MW27B-W-1-593 - Water)								
Reporting Units: ng/L								
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCPC7G1703		5.0	ND	1	7/17/2007	7/17/2007	
Sample ID: IQG1031-05 (OC2-MW27A-W-0-594 - Water)								
Reporting Units: ng/L								
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCPC7G1703		5.0	ND	1	7/17/2007	7/17/2007	

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GPL Laboratories
7210-A Corporate Court
Frederick, MD 21703
Attention: Pat Huebschman

Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG1031

Sampled: 07/12/07
Received: 07/12/07

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: OC2-MW27D-W-0-590 (IQG1031-01) - Water					
EPA 218.6	1	07/12/2007 08:10	07/12/2007 14:41	07/13/2007 08:30	07/13/2007 10:47
Sample ID: OC2-MW27C-W-0-591 (IQG1031-02) - Water					
EPA 218.6	1	07/12/2007 08:50	07/12/2007 14:41	07/13/2007 08:30	07/13/2007 09:13
Sample ID: OC2-MW27B-W-0-592 (IQG1031-03) - Water					
EPA 218.6	1	07/12/2007 09:45	07/12/2007 14:41	07/13/2007 08:30	07/13/2007 09:47
Sample ID: OC2-MW27B-W-1-593 (IQG1031-04) - Water					
EPA 218.6	1	07/12/2007 10:00	07/12/2007 14:41	07/13/2007 08:30	07/13/2007 10:10
Sample ID: OC2-MW27A-W-0-594 (IQG1031-05) - Water					
EPA 218.6	1	07/12/2007 11:00	07/12/2007 14:41	07/13/2007 08:30	07/13/2007 10:32

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OMEGA CHEMICAL 335392.FI.01

QUALITY CONTROL SUMMARY

- METHOD BLANKS
- MS/MSD DATA REPORTS
- LCS DATA REPORTS

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Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG1031

Sampled: 07/12/07
Received: 07/12/07

METHOD BLANK/QC DATA

SEMI-VOL ORGANICS by GC/MS-CHEMICAL IONIZATION (EPA 3520C/1625C-CI MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 7G16057 Extracted: 07/16/07										
Blank Analyzed: 07/17/2007 (7G16057-BLK1)										
N-Nitrosodimethylamine	ND	0.0020	ug/l							
LCS Analyzed: 07/17/2007 (7G16057-BS1)										
N-Nitrosodimethylamine	0.00900	0.0020	ug/l	0.0100		90	60-140			
LCS Analyzed: 07/17/2007 (7G16057-BS2)										
N-Nitrosodimethylamine	0.00180	0.0020	ug/l	0.00200		90	60-140			
Matrix Spike Analyzed: 07/17/2007 (7G16057-MS1)					**Source: IQG0879-01**					
N-Nitrosodimethylamine	0.0101	0.0022	ug/l	0.0108	ND	94	50-130			
Matrix Spike Dup Analyzed: 07/17/2007 (7G16057-MSD1)					**Source: IQG0879-01**					
N-Nitrosodimethylamine	0.0103	0.0022	ug/l	0.0108	ND	96	50-130	2	30	

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Sampled: 07/12/07
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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 7G13055 Extracted: 07/13/07										
Blank Analyzed: 07/13/2007 (7G13055-BLK1)										
Chromium VI	ND	0.00030	mg/l							
LCS Analyzed: 07/13/2007 (7G13055-BS1)										
Chromium VI	0.0505	0.00030	mg/l	0.0500		101	90-110			
Matrix Spike Analyzed: 07/13/2007 (7G13055-MS1)					**Source: IQG1031-02**					
Chromium VI	0.0526	0.00030	mg/l	0.0500	ND	105	90-110			
Matrix Spike Analyzed: 07/13/2007 (7G13055-MS2)					**Source: IQG1150-16**					
Chromium VI	0.0557	0.00030	mg/l	0.0500	0.000823	110	90-110			
Matrix Spike Dup Analyzed: 07/13/2007 (7G13055-MSD1)					**Source: IQG1031-02**					
Chromium VI	0.0534	0.00030	mg/l	0.0500	ND	107	90-110	2	10	
Matrix Spike Dup Analyzed: 07/13/2007 (7G13055-MSD2)					**Source: IQG1150-16**					
Chromium VI	0.0567	0.00030	mg/l	0.0500	0.000823	112	90-110	2	10	*M1*
Batch: 7G16119 Extracted: 07/16/07										
Blank Analyzed: 07/16/2007 (7G16119-BLK1)										
Chemical Oxygen Demand	ND	20	mg/l							
LCS Analyzed: 07/16/2007 (7G16119-BS1)										
Chemical Oxygen Demand	505	20	mg/l	500		101	90-110			
Matrix Spike Analyzed: 07/16/2007 (7G16119-MS1)					**Source: IQG1031-01**					
Chemical Oxygen Demand	500	20	mg/l	500	ND	100	70-120			

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GPL Laboratories
7210-A Corporate Court
Frederick, MD 21703
Attention: Pat Huebschman

Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG1031

Sampled: 07/12/07
Received: 07/12/07

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 7G16119 Extracted: 07/16/07										
Matrix Spike Dup Analyzed: 07/16/2007 (7G16119-MSD1)					**Source: IQG1031-01**					
Chemical Oxygen Demand	503	20	mg/l	500	ND	101	70-120	1	15	

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GPL Laboratories	Project ID: Omega Chemical OU-2 SSID-BC	
7210-A Corporate Court	Omega Chemical 335392.FI.01	Sampled: 07/12/07
Frederick, MD 21703	Report Number: IQG1031	Received: 07/12/07
Attention: Pat Huebschman		

METHOD BLANK/QC DATA

CDHS SRL 524 MODIFIED METHOD FOR 1,2,3-TRICHLOROPROPANE PT/GCMS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C7G1703 Extracted: 07/17/07										
Blank Analyzed: 07/17/2007 (C7G1703-BLK1)										
1,2,3-Trichloropropane (123-TCP)	ND	5.0	ng/L							
LCS Analyzed: 07/17/2007 (C7G1703-BS1)										
1,2,3-Trichloropropane (123-TCP)	4.92	5.0	ng/L	5.00		98	80-120			
Matrix Spike Analyzed: 07/17/2007 (C7G1703-MS1)					**Source: IQG1031-01**					
1,2,3-Trichloropropane (123-TCP)	45.7	5.0	ng/L	50.0	ND	91	52-135			
Matrix Spike Dup Analyzed: 07/17/2007 (C7G1703-MSD1)					**Source: IQG1031-01**					
1,2,3-Trichloropropane (123-TCP)	50.7	5.0	ng/L	50.0	ND	101	52-135	10	27	

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

GPL Laboratories	Project ID: Omega Chemical OU-2 SSID-BC	
7210-A Corporate Court	Omega Chemical 335392.FI.01	Sampled: 07/12/07
Frederick, MD 21703	Report Number: IQG1031	Received: 07/12/07
Attention: Pat Huebschman		

DATA QUALIFIERS AND DEFINITIONS

A-01 The original analysis was within hold time but due to instrument problems the closing QC samples did not pass. Sample reanalyzed past holding time with passing QC and results confirmed.

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

RL4 Reporting limit raised due to insufficient sample volume.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

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GPL Laboratories	Project ID: Omega Chemical OU-2 SSID-BC	
7210-A Corporate Court	Omega Chemical 335392.FI.01	Sampled: 07/12/07
Frederick, MD 21703	Report Number: IQG1031	Received: 07/12/07
Attention: Pat Huebschman		

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
EPA 1625C-CI Mod	Water		
EPA 218.6	Water	X	X
EPA 410.4	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

TestAmerica - Ontario, CA *California Cert #1169, Arizona Cert #AZ0062, Nevada Cert #CA-242*

1014 E. Cooley Drive, Suite AB - Colton, CA 92324

Method Performed: SRL 524M-123TCP

Samples: IQG1031-01, IQG1031-02, IQG1031-03, IQG1031-04, IQG1031-05

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION
17461Derian Ave. Suite 100 Irvine CA 92614 (949) 261-1022 FAX (949) 260-3297

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

EPA 1625C-CI MOD. LABORATORY RAW DATA

- INITIAL CALIBRATION
- CONTINUING CALIBRATION
- EXTRACTION LOG
- RUN LOG
- TUNE REPORT
- QUANTITATION REPORTS
- CHROMATOGRAMS

GC/MS DAILY LOG SUMMARY

DATE: 06-14-07 DATAFILE C:\MSDCHEM\1 \DATA\ 07JUN14

ANALYST: LB GCM # 37 EPA METHOD: n-Nitrosamines-1625

#	SAMPLE NAME	Dil	FILENAME	S/W	CLIENT	Prep	Batch #	Posted	Rev'd	Comments
1	10 ppb ICV STANDARD	***	NMA010	***	*****	KS ISarea:	ICAL	updated Water 6/19/07	6/19/07	#7060221
2	1 ppb STDICAL	–	001	W						218
3	2 ppb	–	002							219
4	5 ppb	–	005					updated 6/19/07	6/19/07	220
5	20 ppb	–	020							222
6	50 ppb	–	050							223
7	100 ppb	–	100							224
8	150 ppb	–	150							225
9	200 ppb	–	200							226
10	10 ppb LCS	–	NLCS010							#7060264
11	2 ppb STDICAL	–	NMA002A							#7060219
12		–	NNA002B					updated 6/19/07	6/19/07	7060219
13	1625C (mod) – N-Nitrosamines									
14	C7F14NW									
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Standard Code: See above

Methylene Chloride Lot#: See above

GCMS INITIAL CALIBRATION CHECK LIST
N-Nitrosamines by 1625C Modified

2nd Level Review:	[illegible]	Analyst:	[illegible]
Date:	6/19/07	Analysis Date:	6/19/07
		GCMS #:	37

2nd Level Rev	Analyst Rev	
		Calibration :
/	✓	• Minimum 5-point calibration – lowest standard at RL
/	✓	• RSD of RF: <= ±20 %.
		LCS check :
/	✓	• After initial calibration
		• 80% recovery met
		Datafile:
/	✓	Print out calibration curve (include software or calculator-generated r^2 coefficient)
		Generate:
/	✓	• Response Factor summary sheet
/	✓	• List compound summary sheet
/	✓	• List compound history summary sheet
/	✓	Print all levels with area count for all compounds
		Check all levels for:
/	✓	• Manual integration
/	✓	• Print data before and after integration
/	✓	• Transcription errors
/	✓	Mint Miner Check
/	/	Corrective Action Report attached (if applicable)

Comments:

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\07JUN14\NNA010.D
Tune Time : 14 Jun 2007 8:50 am

Daily Calibration File : C:\MSDCHEM\1\DATA\07JUN14\NNA010.D

File	Sample	Internal Standard Responses		
		2812	5388	4883
NLCS010.D	10ppb LC	2820	5489	4947
NNA001.D	1ppb Std	2914	5557	4982
NNA002B.D	2ppb Std	2696	5345	5002
NNA005.D	5ppb Std	3006	5992	5087
NNA020.D	20ppb St	2991	5836	5092
NNA050.D	50ppb St	3015	5896	5432
NNA100.D	100ppb S	2989	5837	5188
NNA150.D	150ppb S	3079	5791	5290
NNA200.D	200ppb S	3031	5900	5851

t - fails 12hr time check * - fails criteria

Created: Thu Jun 14 18:46:48 2007 gcms37

RESPONSE FACTOR REPORT

gcms37

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

Calibration File

1	=NNA001.D	2	=NNA002B.D	5	=NNA005.D	10	=NNA010.D	20	=NNA020.D
50	=NNA050.D	100	=NNA100.D	150	=NNA150.D	200	=NNA200.D		

	COMPOUND	1	2	5	10	20	50	100	150	200	AVG	%RSD
I	NDMA-D6	----------ISTD----------										
T	NDMA	1.970	2.029	1.987	2.112	1.939	1.966	2.029	1.955	2.030	2.002	2.68
I	NDEA-D10	----------ISTD----------										
T	NDEA	1.128	1.088	1.056	1.130	1.026	1.034	1.066	1.051	1.068	1.072	3.47
I	NDPA-D14	----------ISTD----------										
T	NDPA		0.905	0.845	0.938	0.748	0.736	0.777	0.743	0.738	0.804	10.11
T	NPYR		0.640	0.699	0.823	0.728	0.809	0.934	0.901	0.868	0.800	12.90

(#) = Out of Range

C7F14NW.M Thu Jun 14 16:47:18 2007

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA010.D Vial: 1
Acq On : 14 Jun 2007 8:50 am Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

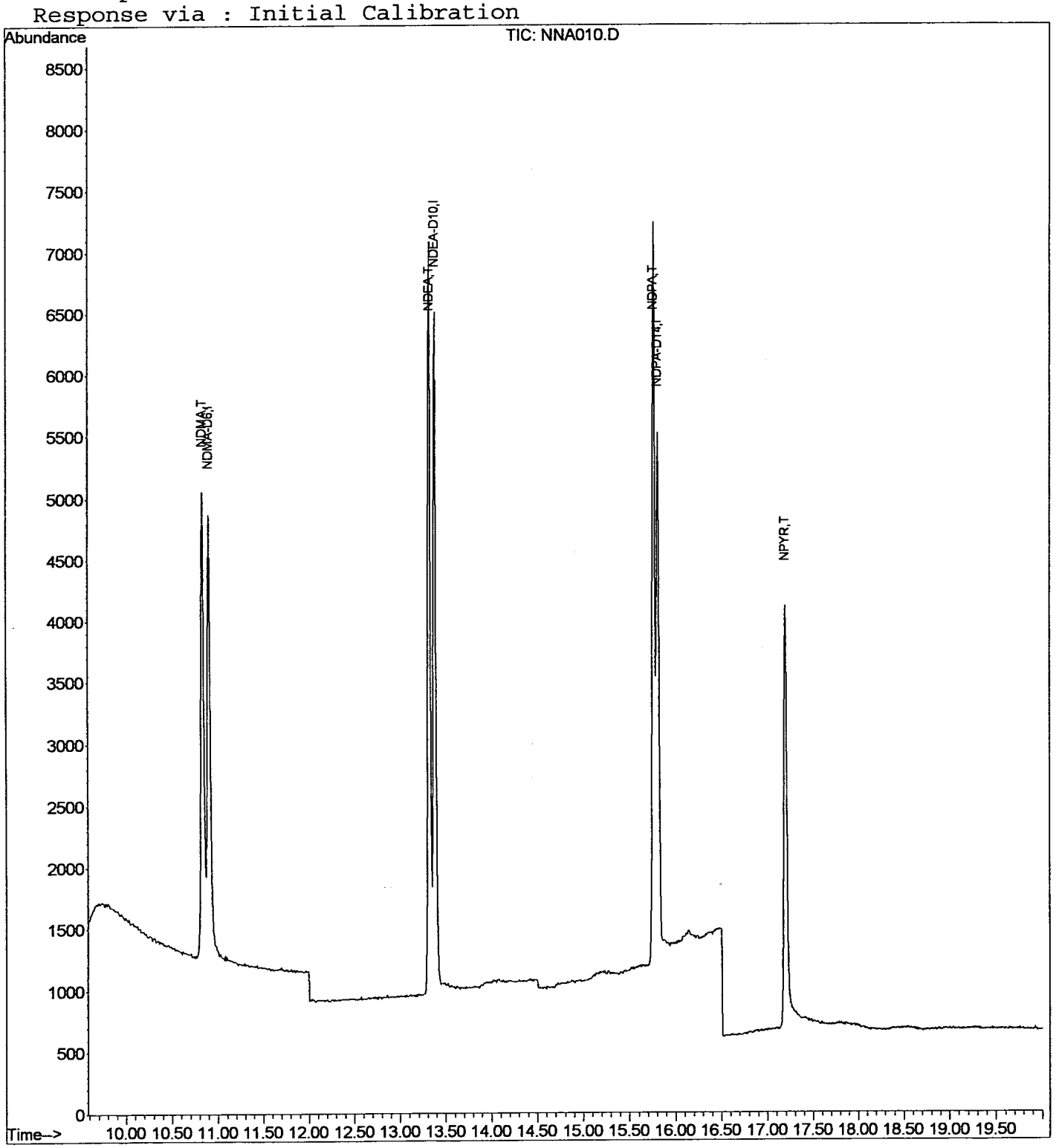
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	2812	10.00 PPB	0.00
3) NDEA-D10	13.37	113	5388	10.00 PPB	0.00
5) NDPA-D14	15.81	145	4883	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.83	92	5938	10.53 PPB	100
4) NDEA	13.32	120	6086	10.61 PPB	99
6) NDPA	15.77	148	4580	11.14 PPB	99
7) NPYR	17.20	118	4021	10.17 PPB	98

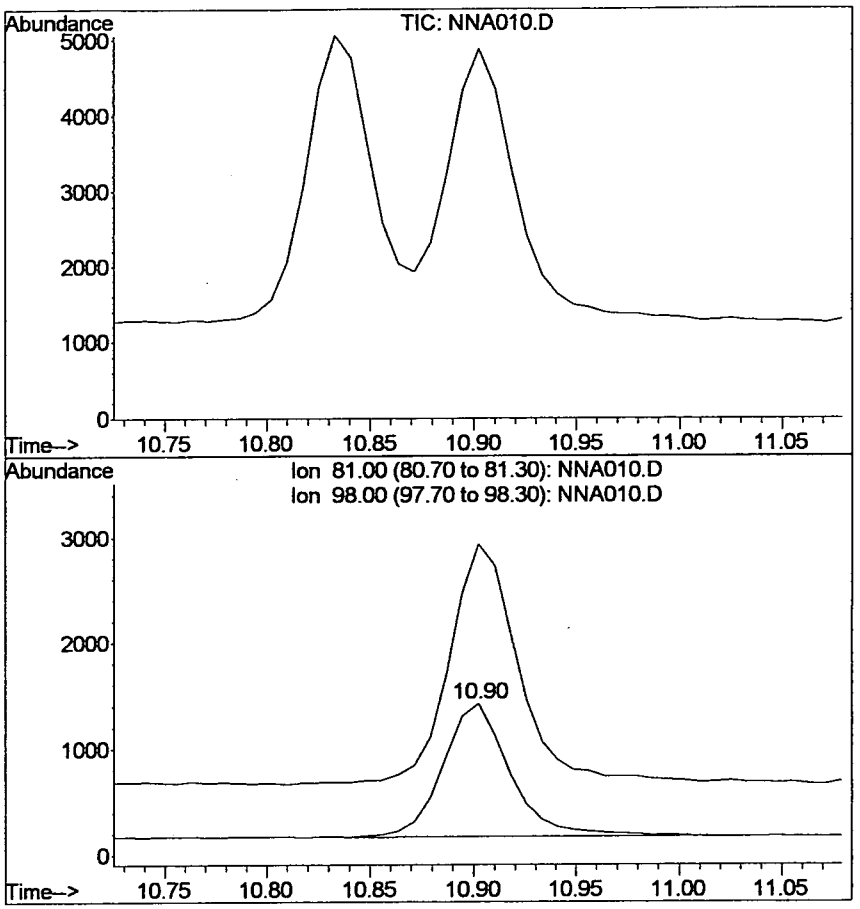
(#) = qualifier out of range (m) = manual integration
NNA010.D C7F14NW.M Thu Jun 14 16:25:33 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA010.D Vial: 1
Acq On : 14 Jun 2007 8:50 am Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

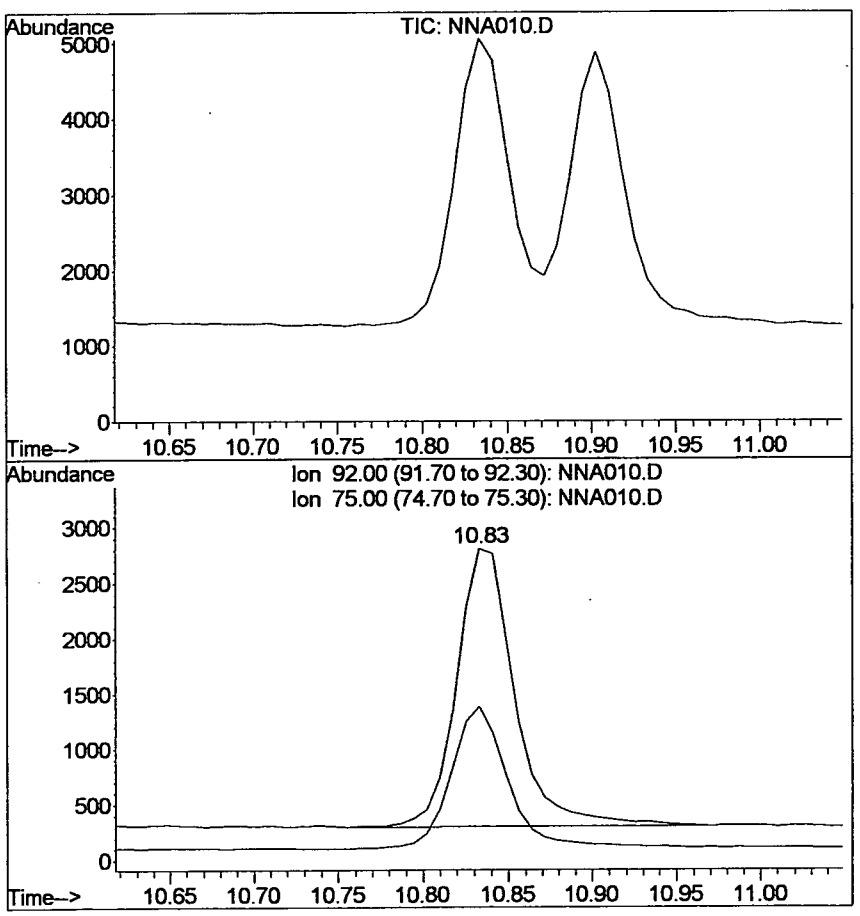




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion: 81 Resp: 2812

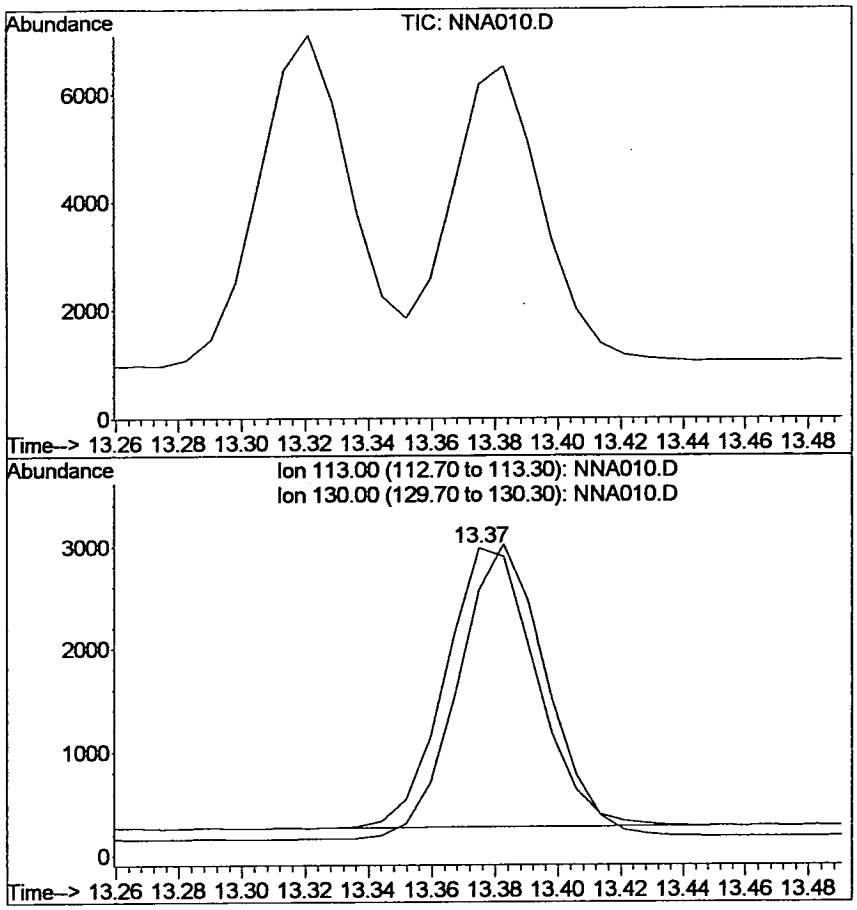
Ion	Ratio	Lower	Upper
81	100		
98	184.5	144.1	224.1



#2
NDMA
Concen: 10.53 PPB
RT: 10.83 min Scan# 163
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion: 92 Resp: 5938

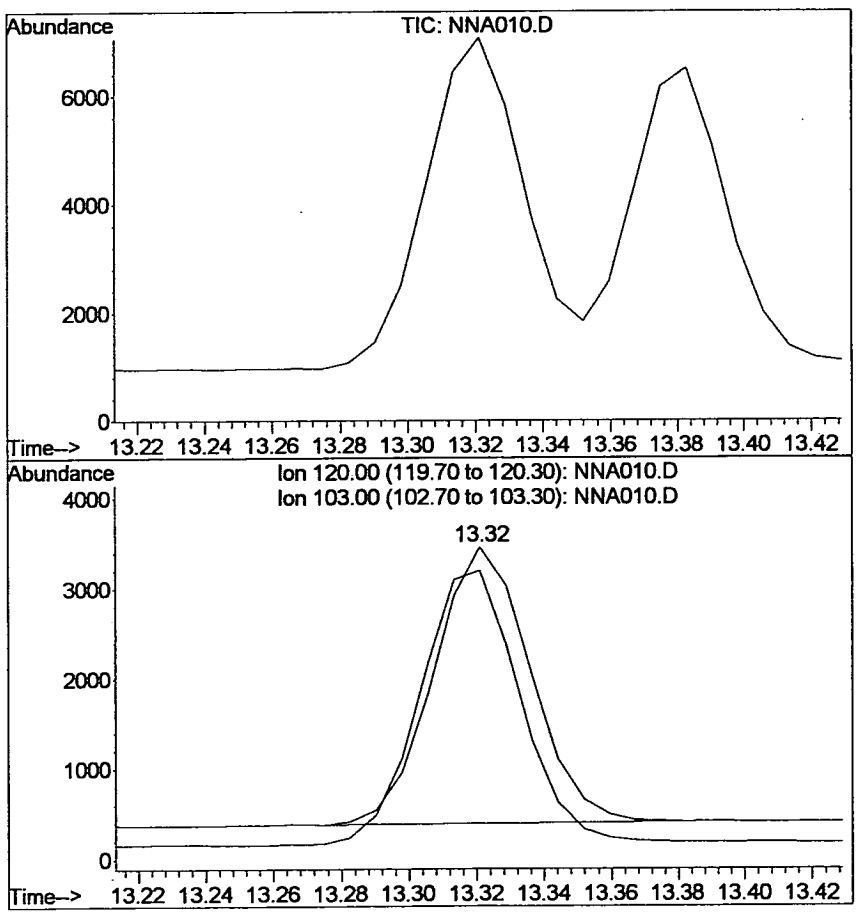
Ion	Ratio	Lower	Upper
92	100		
75	48.9	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion:113 Resp: 5388

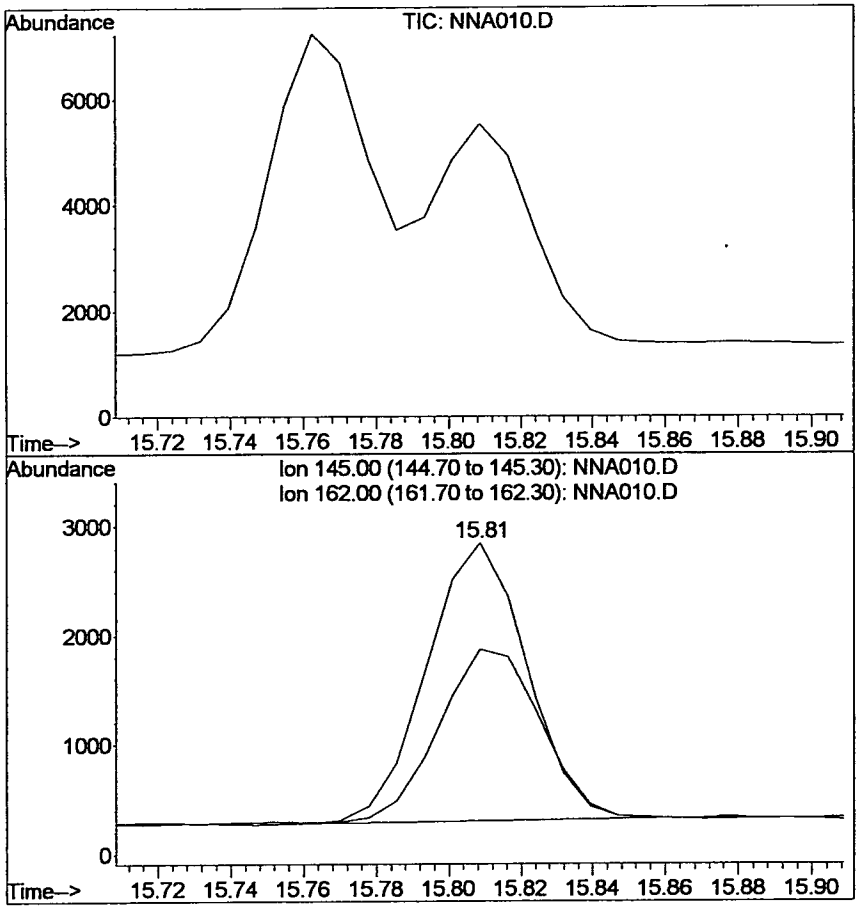
Ion	Ratio	Lower	Upper
113	100		
130	101.6	67.1	137.1



#4
NDEA
Concen: 10.61 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion:120 Resp: 6086

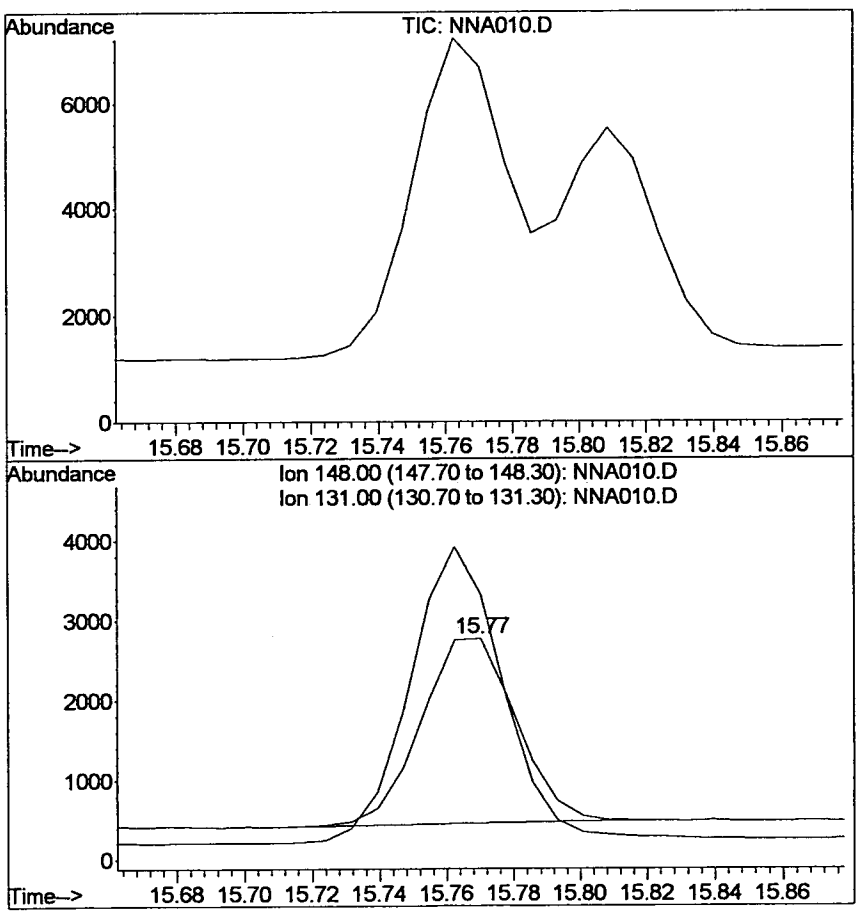
Ion	Ratio	Lower	Upper
120	100		
103	101.4	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion:145 Resp: 4883

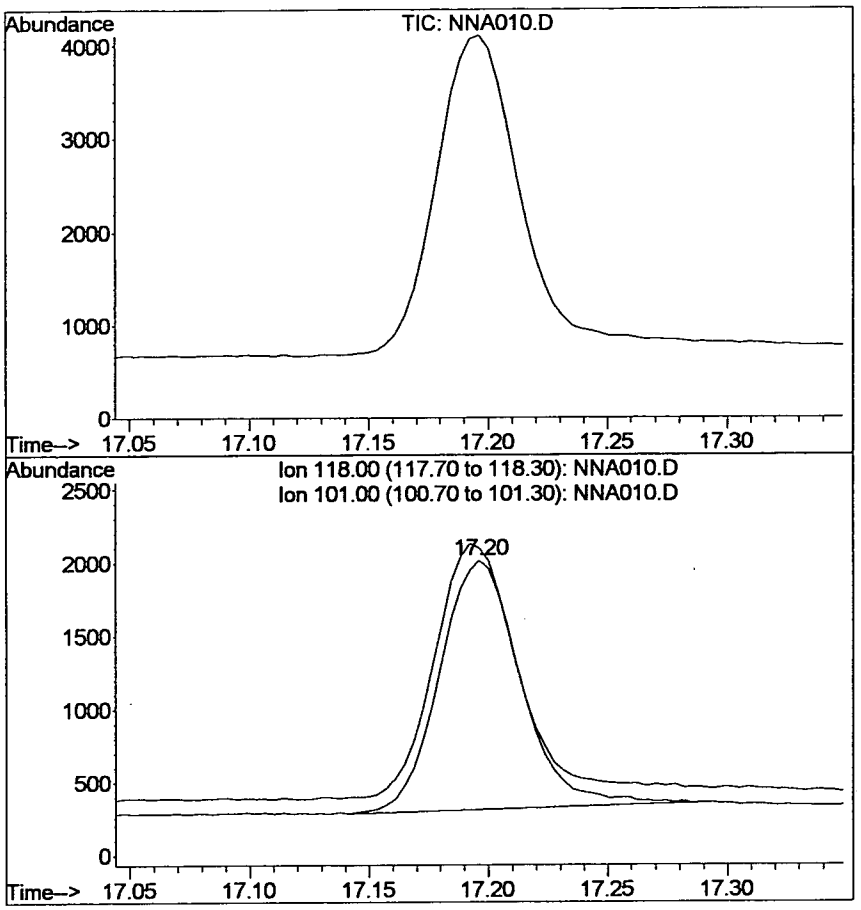
Ion	Ratio	Lower	Upper
145	100		
162	63.1	22.4	102.4



#6
NDPA
Concen: 11.14 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion:148 Resp: 4580

Ion	Ratio	Lower	Upper
148	100		
131	154.9	99.8	207.2



#7
NPYR
Concen: 10.17 PPB
RT: 17.20 min Scan# 1076
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion:118 Resp: 4021

Ion	Ratio	Lower	Upper
118	100		
101	98.0	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\TEST\NNA001.D
Acq On : 14 Jun 2007 9:14 am
Sample : 1ppb Std.# 7060218
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:24 2007

Vial: 2
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00

Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

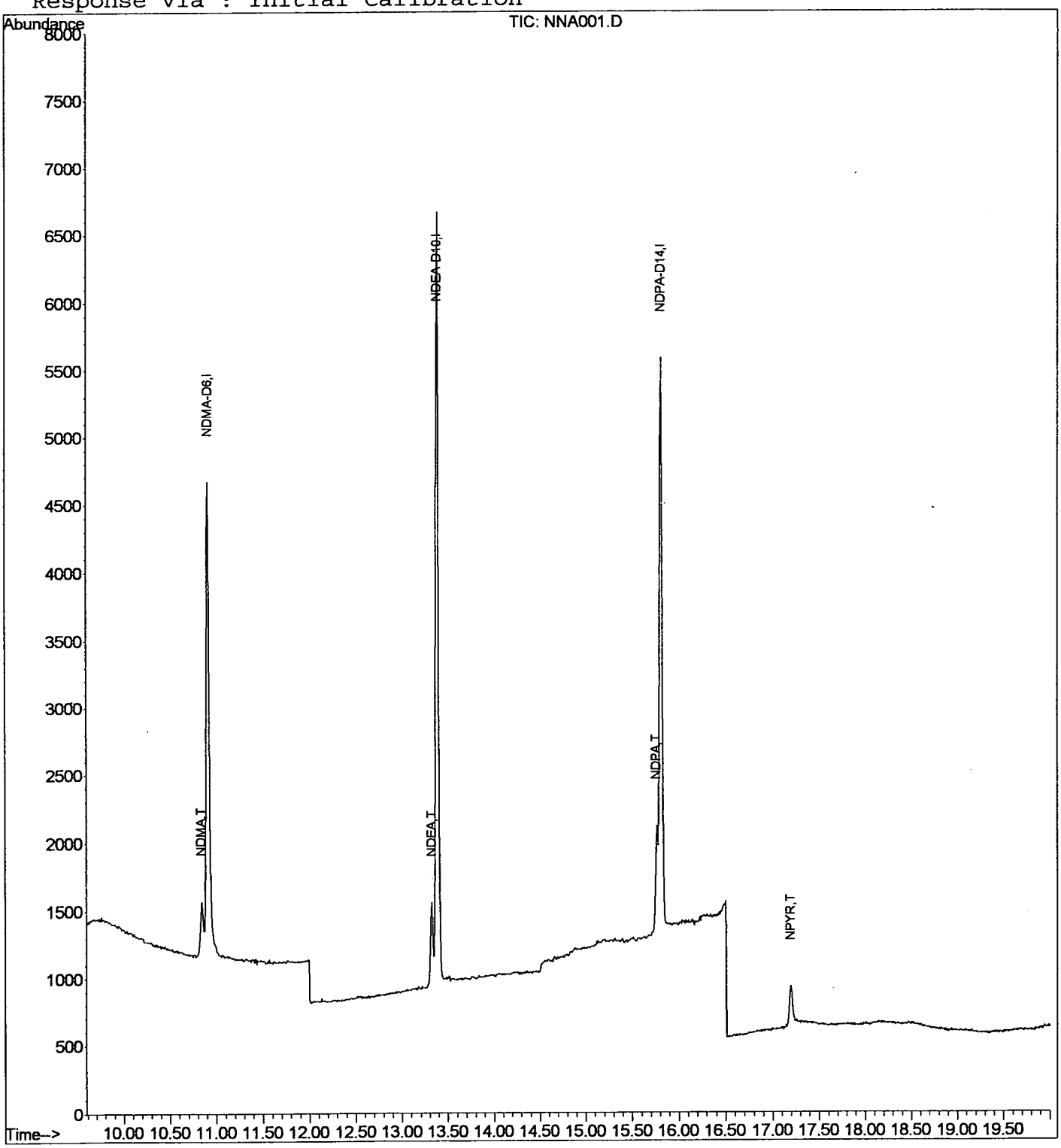
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.90	81	2914	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5557	10.00	PPB	0.00
5) NDPA-D14	15.81	145	4982	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	574	0.98	PPB	98
4) NDEA	13.32	120	627	1.06	PPB	98
6) NDPA	15.76	148	615	1.47	PPB	90
7) NPYR	17.19	118	320	0.79	PPB	89

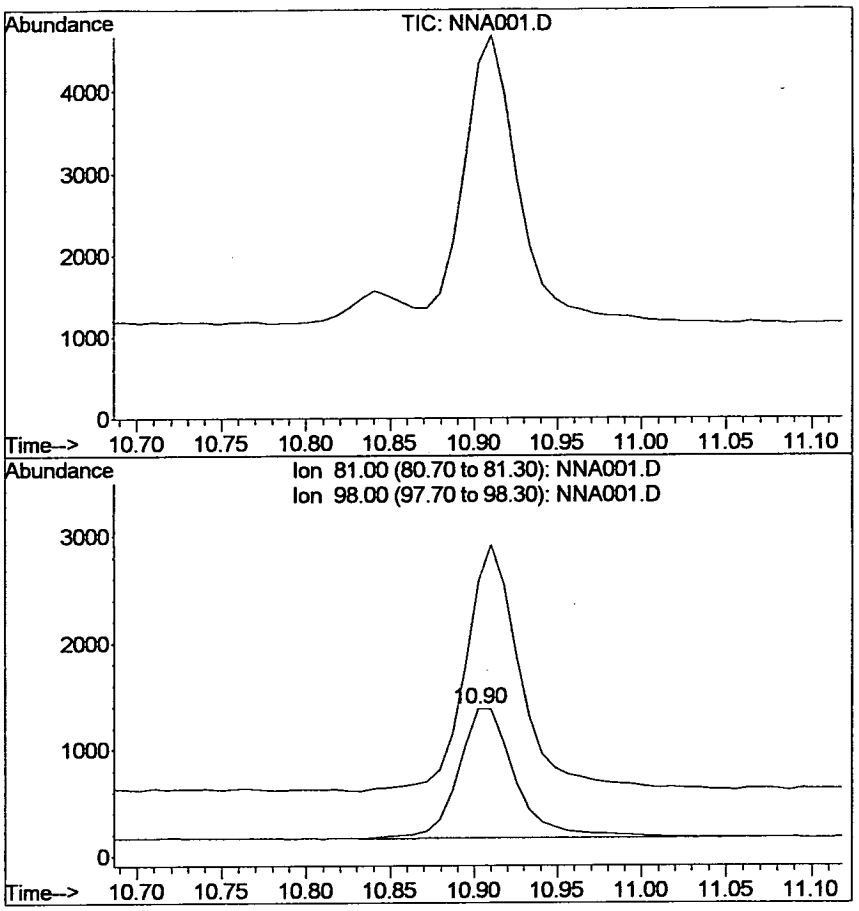
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\TEST\NNA001.D
Vial: 2
Acq On : 14 Jun 2007 9:14 am
Operator: DF/AI
Sample : 1ppb Std.# 7060218
Inst : gcms37
Misc : n-Nitrosamines Water ICV
Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:24 2007
Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

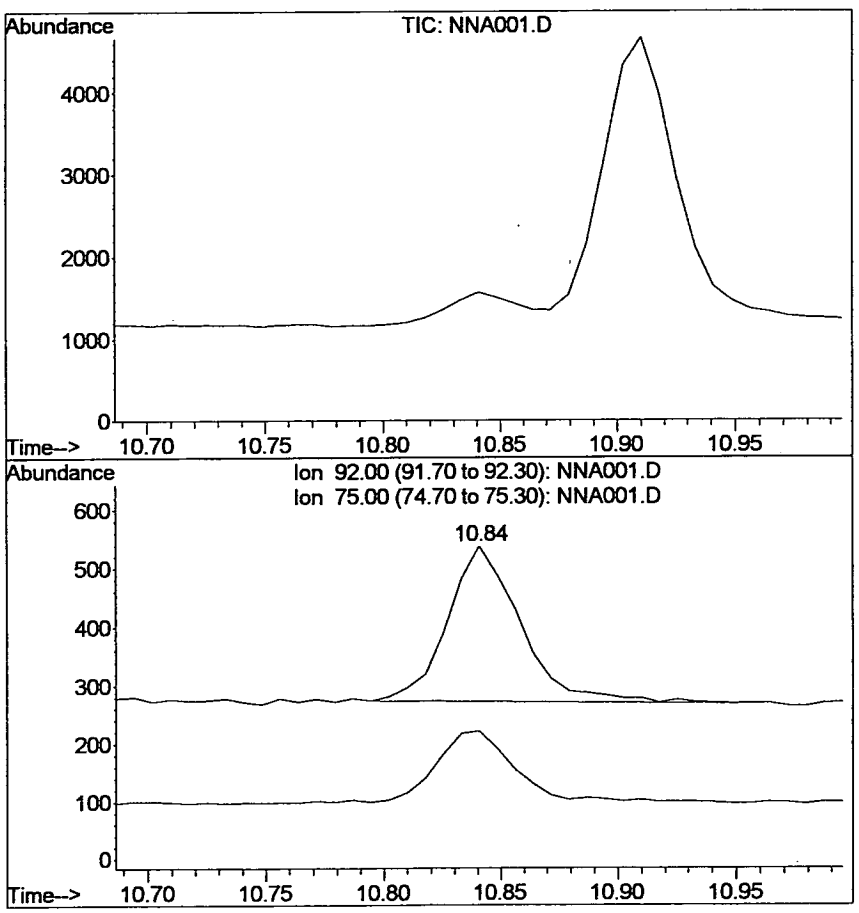




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion: 81 Resp: 2914

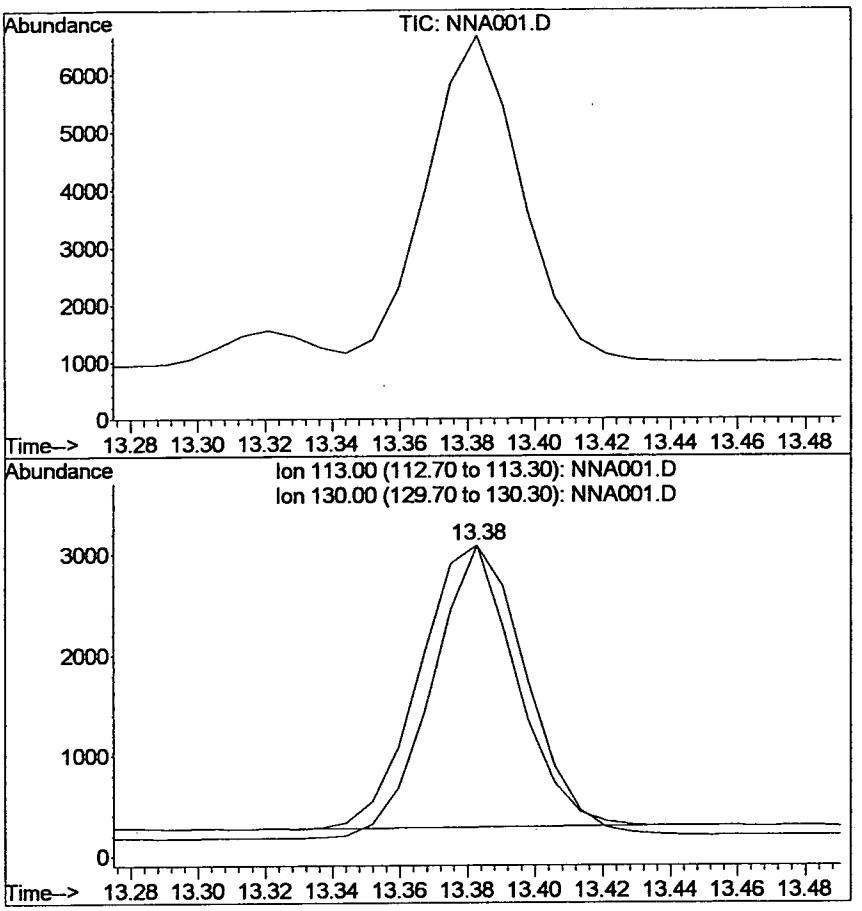
Ion	Ratio	Lower	Upper
81	100		
98	183.6	144.1	224.1



#2
NDMA
Concen: 0.98 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion: 92 Resp: 574

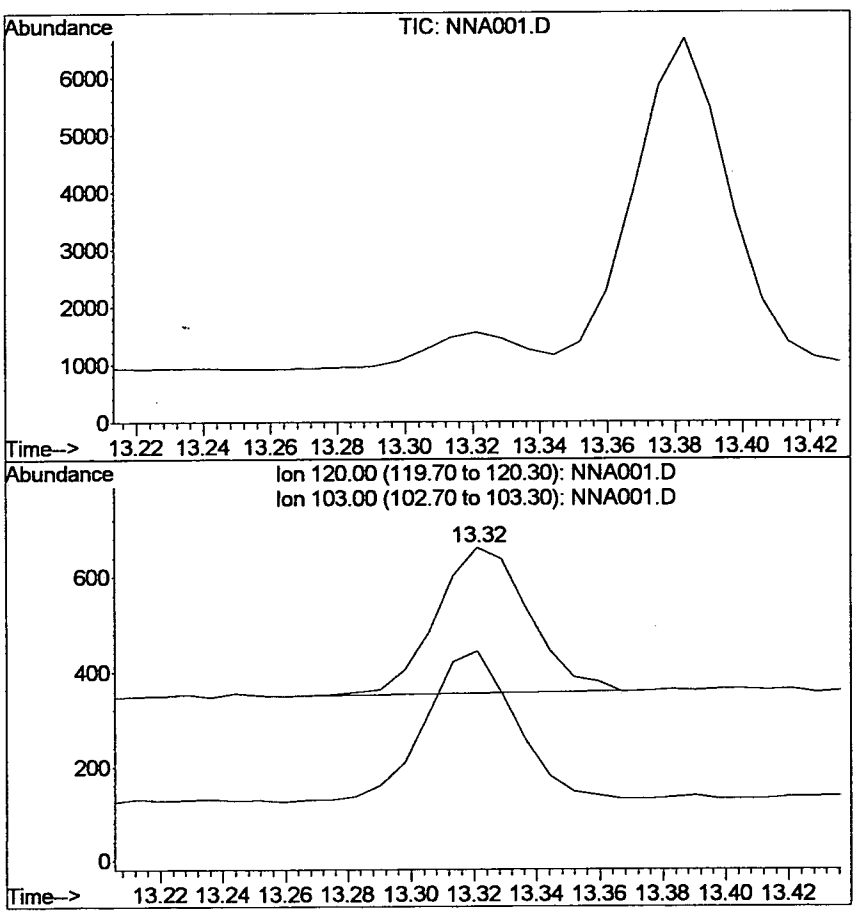
Ion	Ratio	Lower	Upper
92	100		
75	50.2	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion:113 Resp: 5557

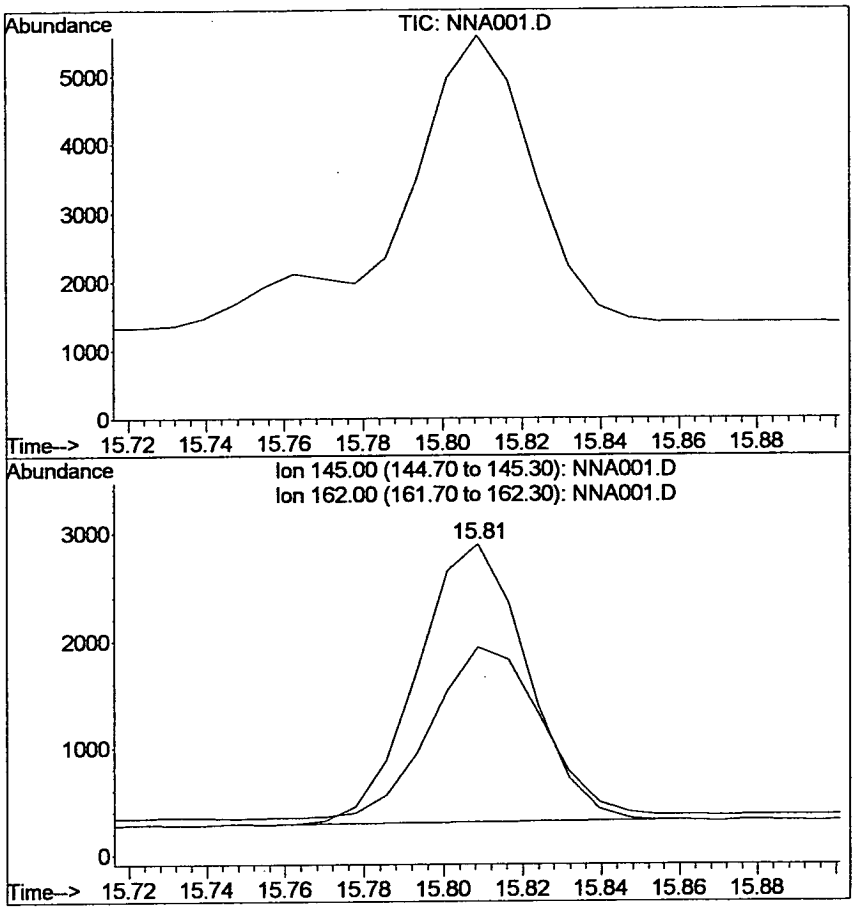
Ion	Ratio	Lower	Upper
113	100		
130	101.2	67.1	137.1



#4
NDEA
Concen: 1.06 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion:120 Resp: 627

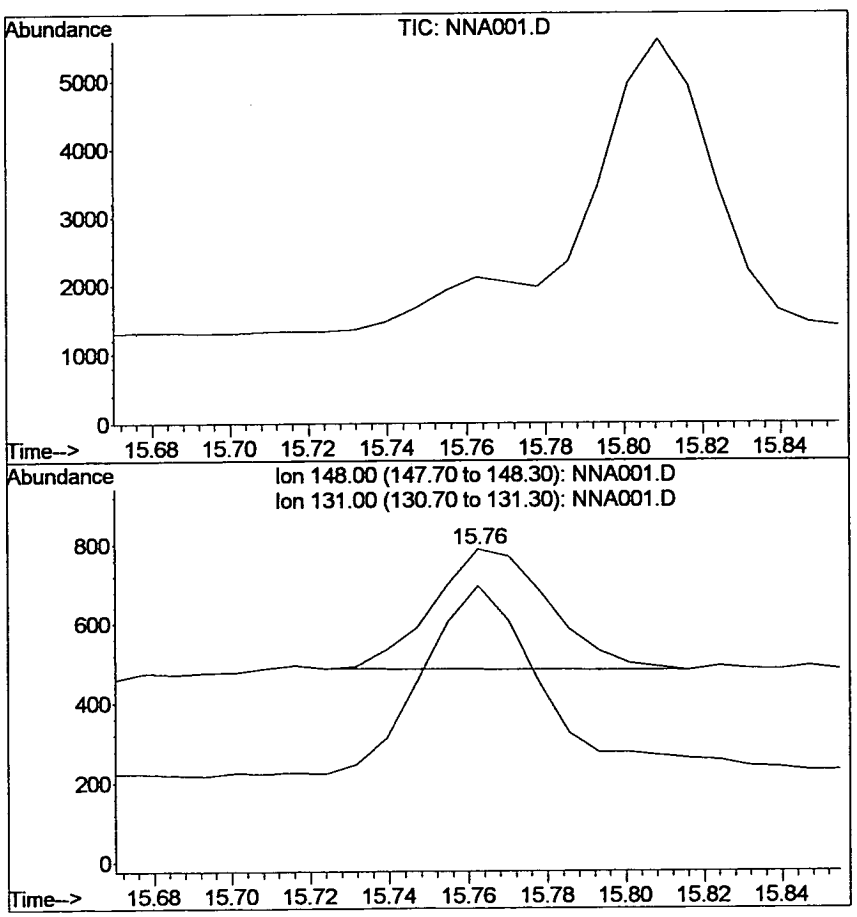
Ion	Ratio	Lower	Upper
120	100		
103	97.9	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion:145 Resp: 4982

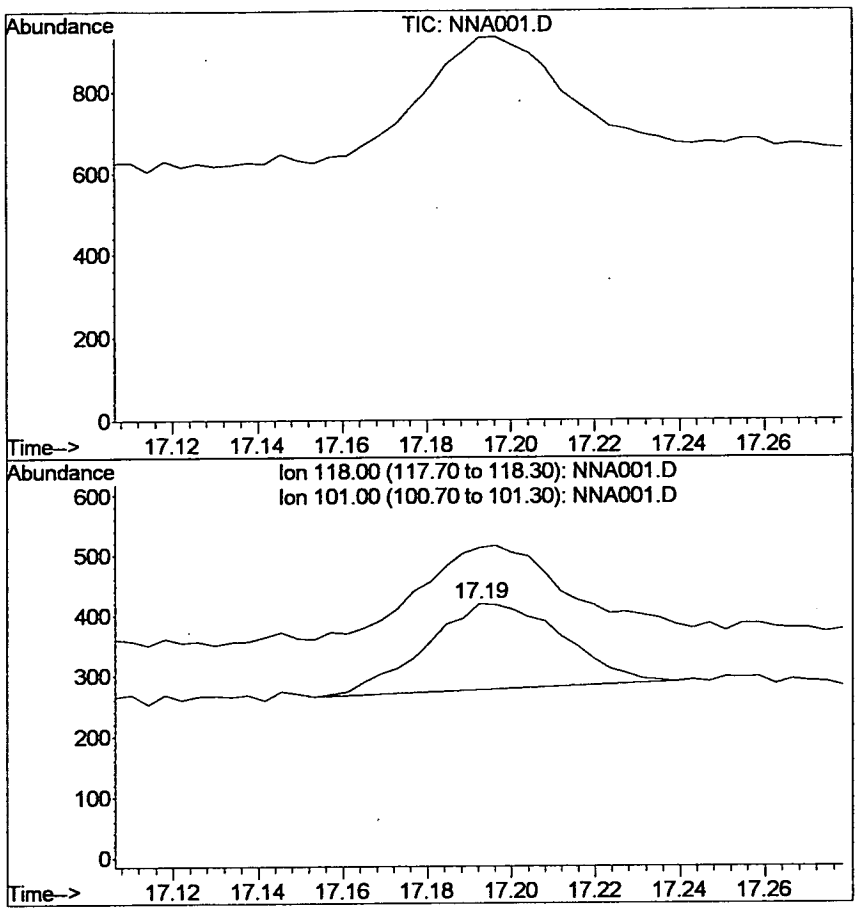
Ion	Ratio	Lower	Upper
145	100		
162	61.1	22.4	102.4



#6
NDPA
Concen: 1.47 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion:148 Resp: 615

Ion	Ratio	Lower	Upper
148	100		
131	167.0	99.8	207.2



#7
NPYR
Concen: 0.79 PPB
RT: 17.19 min Scan# 1075
Delta R.T. -0.00 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion:118 Resp: 320

Ion	Ratio	Lower	Upper
118	100		
101	106.9	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA005.D
Acq On : 14 Jun 2007 10:01 am
Sample : 5ppb Std.# 7060220
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007

Vial: 4
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00

Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

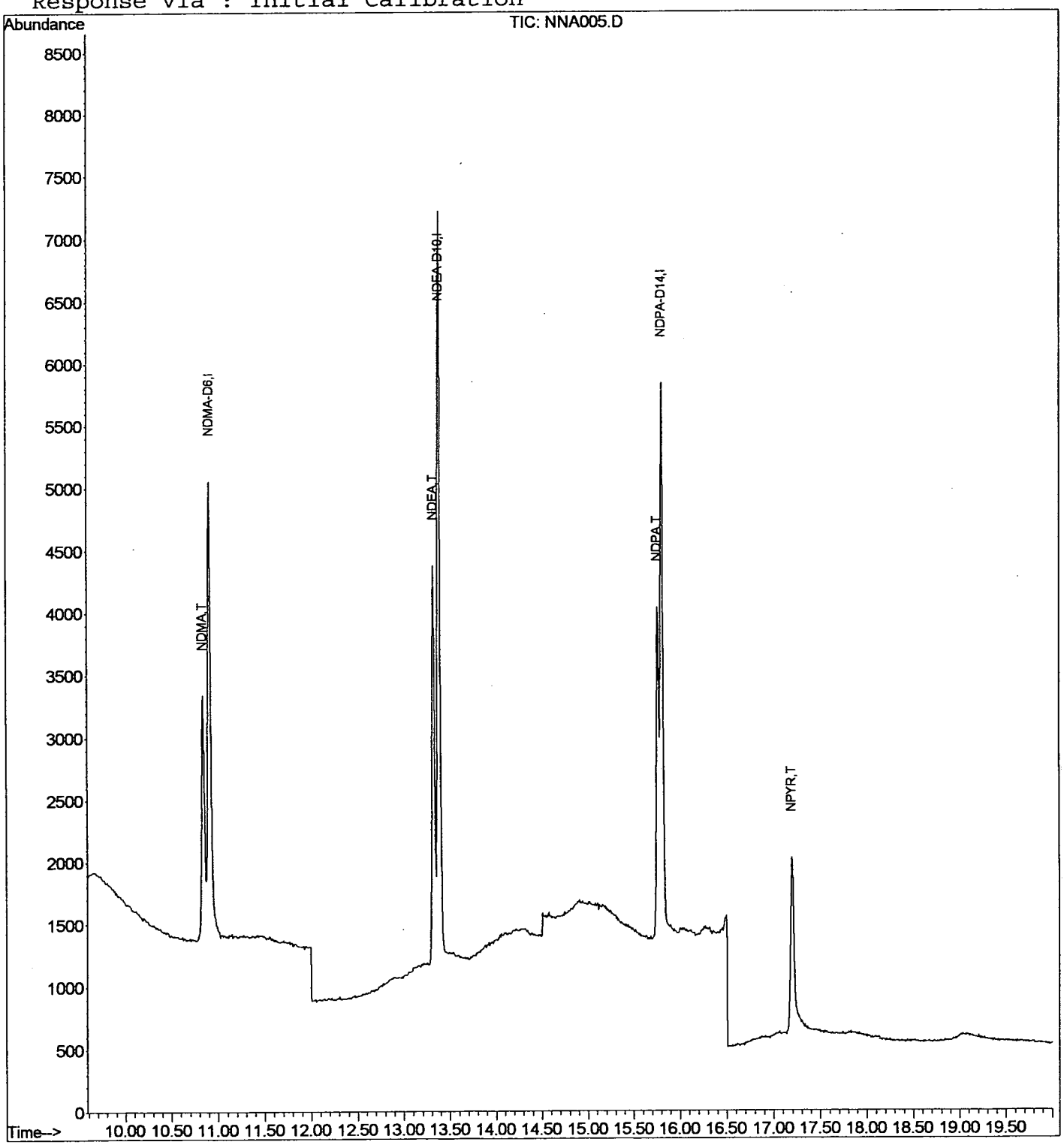
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	3006	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5992	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5087	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	2987	4.95 PPB	99
4) NDEA	13.32	120	3164	4.96 PPB	99
6) NDPA	15.77	148	2150	5.02 PPB	96
7) NPYR	17.20	118	1777	4.32 PPB	92

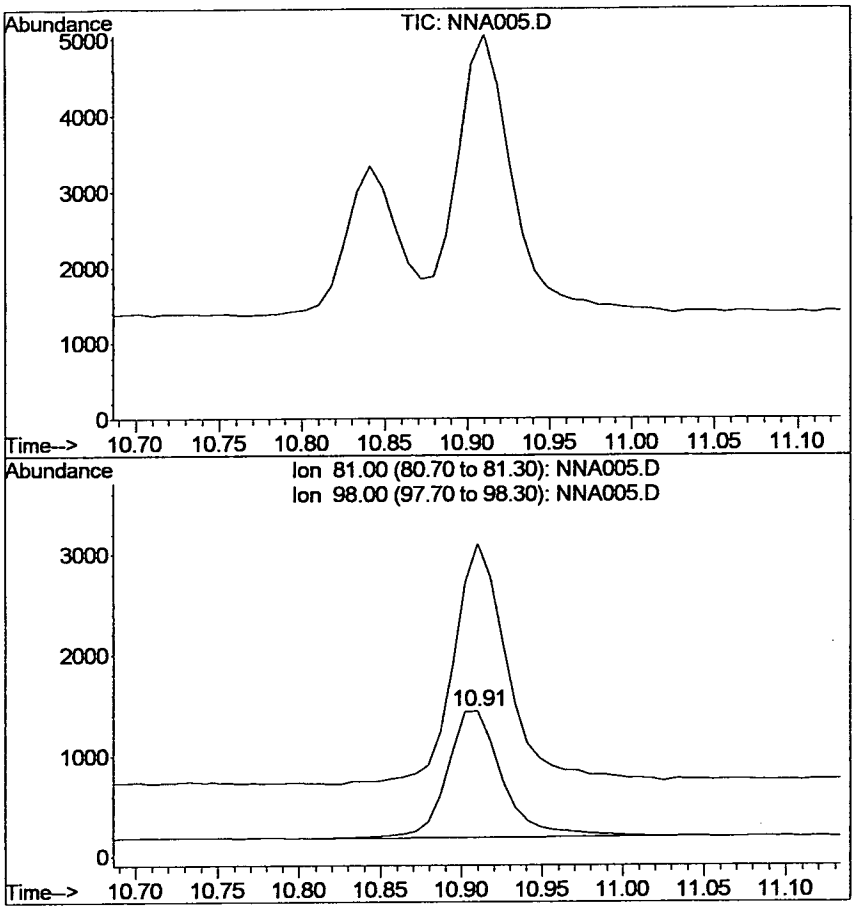
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA005.D Vial: 4
Acq On : 14 Jun 2007 10:01 am Operator: DF/AI
Sample : 5ppb Std.# 7060220 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

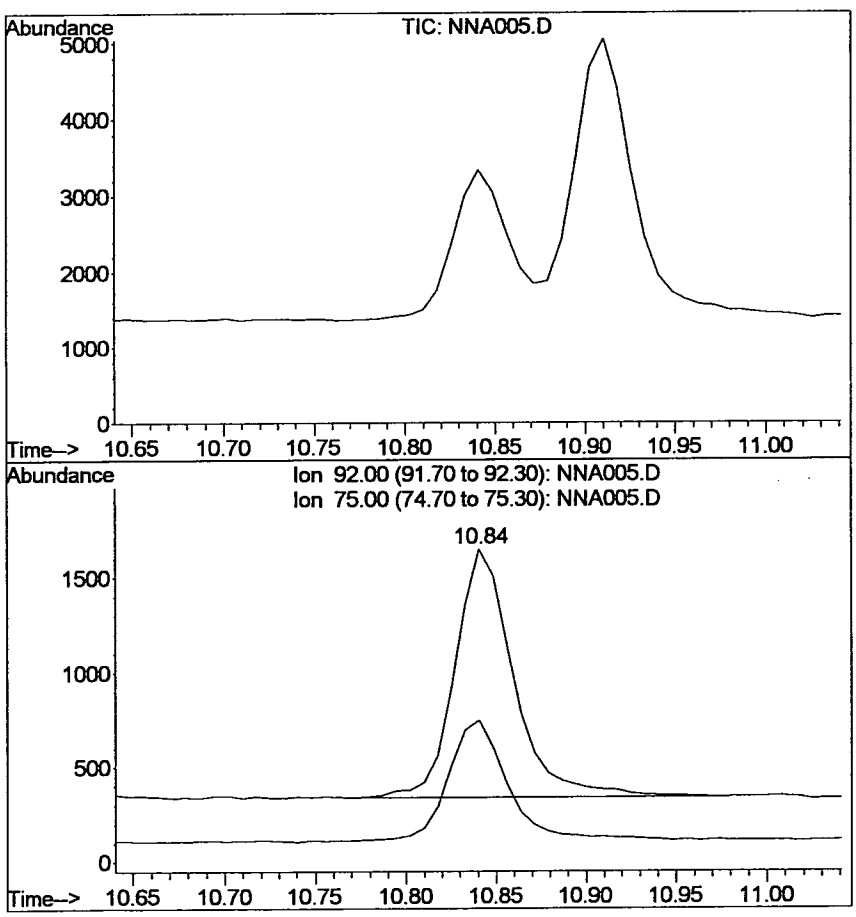




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion: 81 Resp: 3006

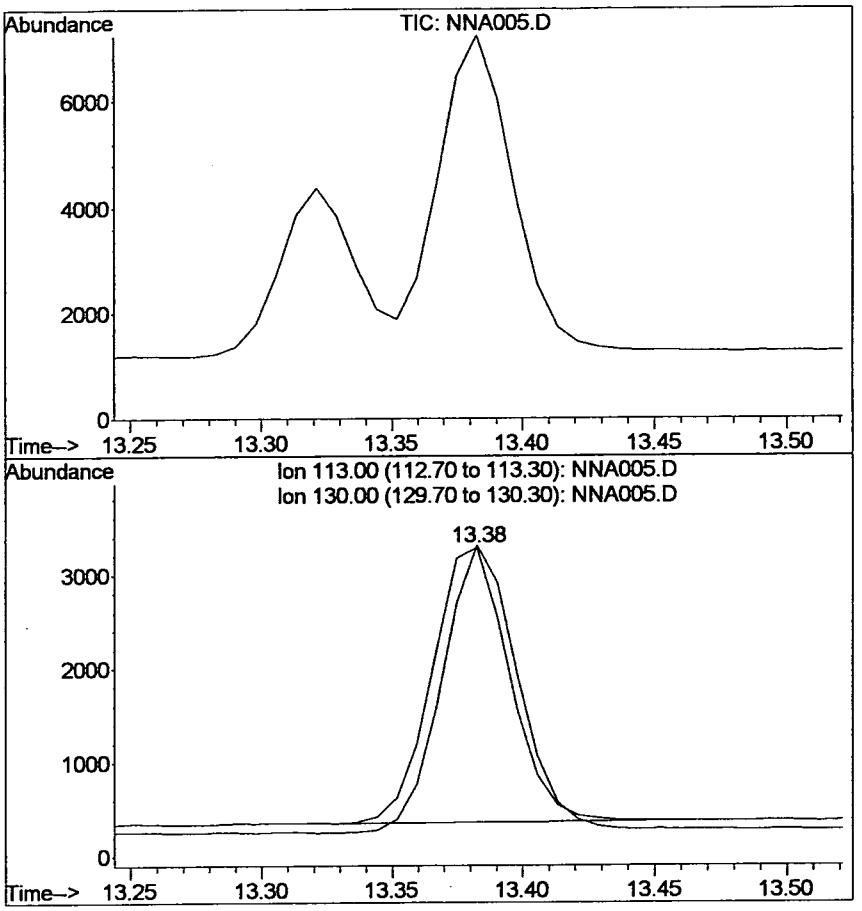
Ion	Ratio	Lower	Upper
81	100		
98	184.3	144.1	224.1



#2
NDMA
Concen: 4.95 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion: 92 Resp: 2987

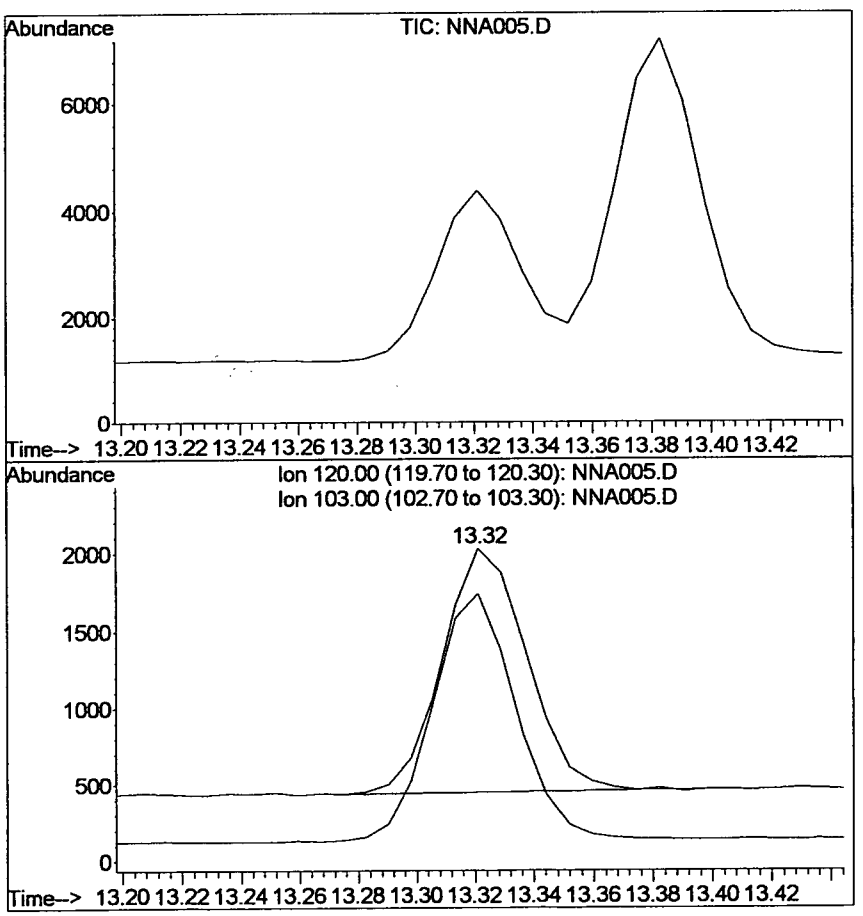
Ion	Ratio	Lower	Upper
92	100		
75	49.8	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion:113 Resp: 5992

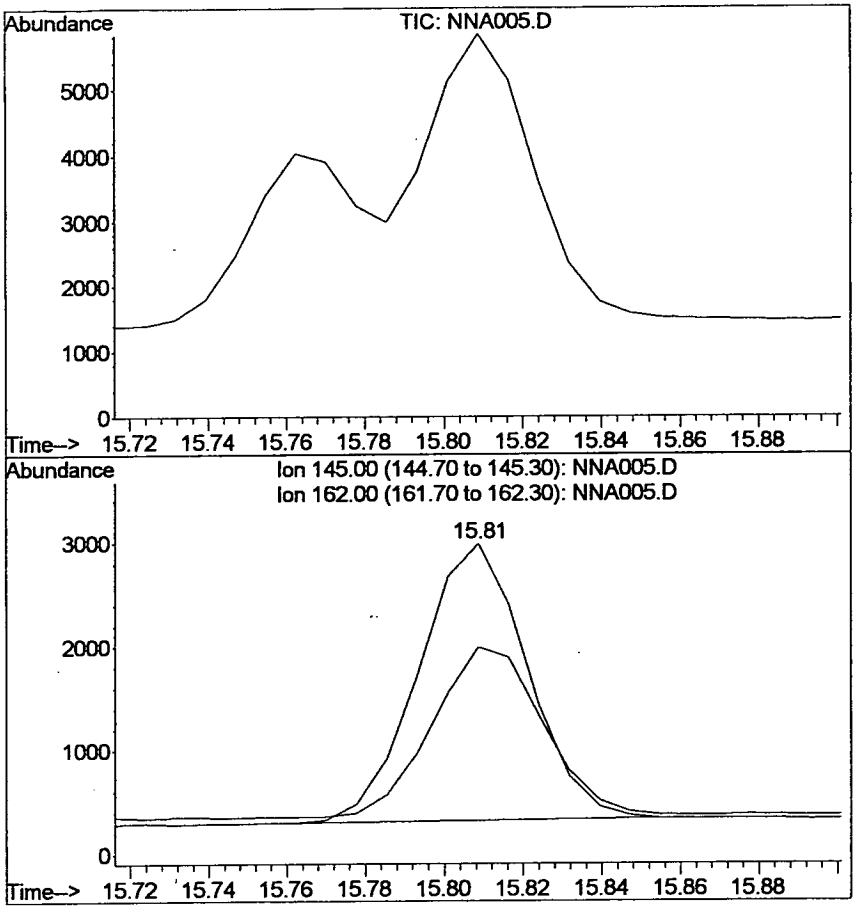
Ion	Ratio	Lower	Upper
113	100		
130	100.3	67.1	137.1



#4
NDEA
Concen: 4.96 PPB
RT: 13.32 min Scan# 486
Delta R.T. -0.00 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion:120 Resp: 3164

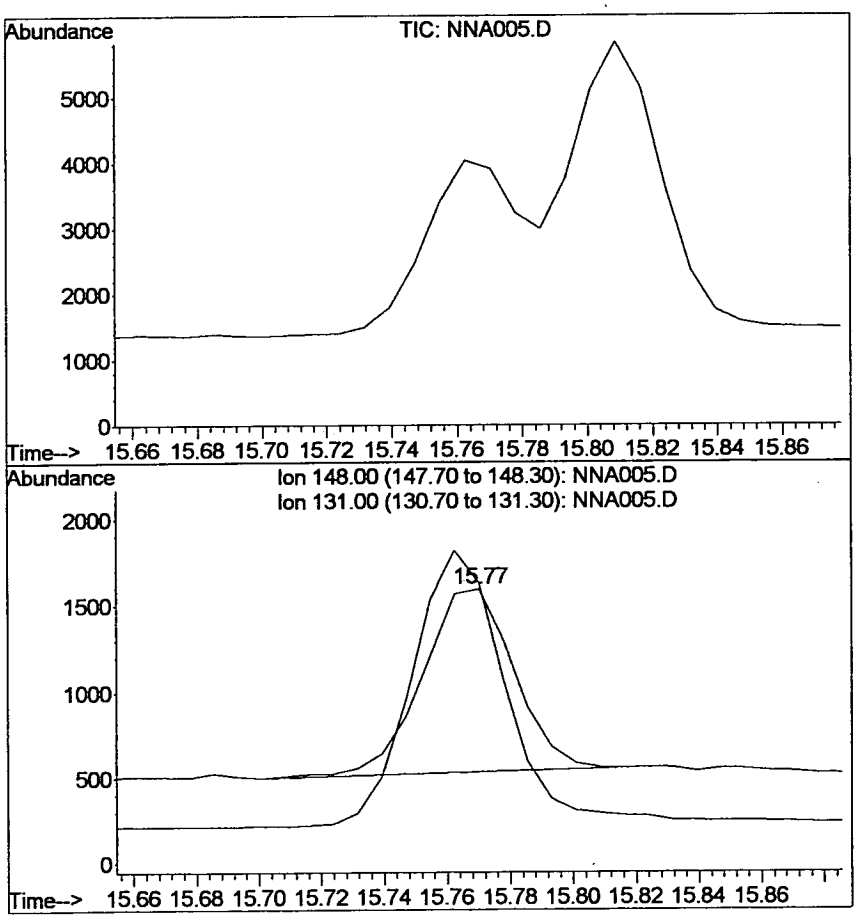
Ion	Ratio	Lower	Upper
120	100		
103	99.8	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion:145 Resp: 5087

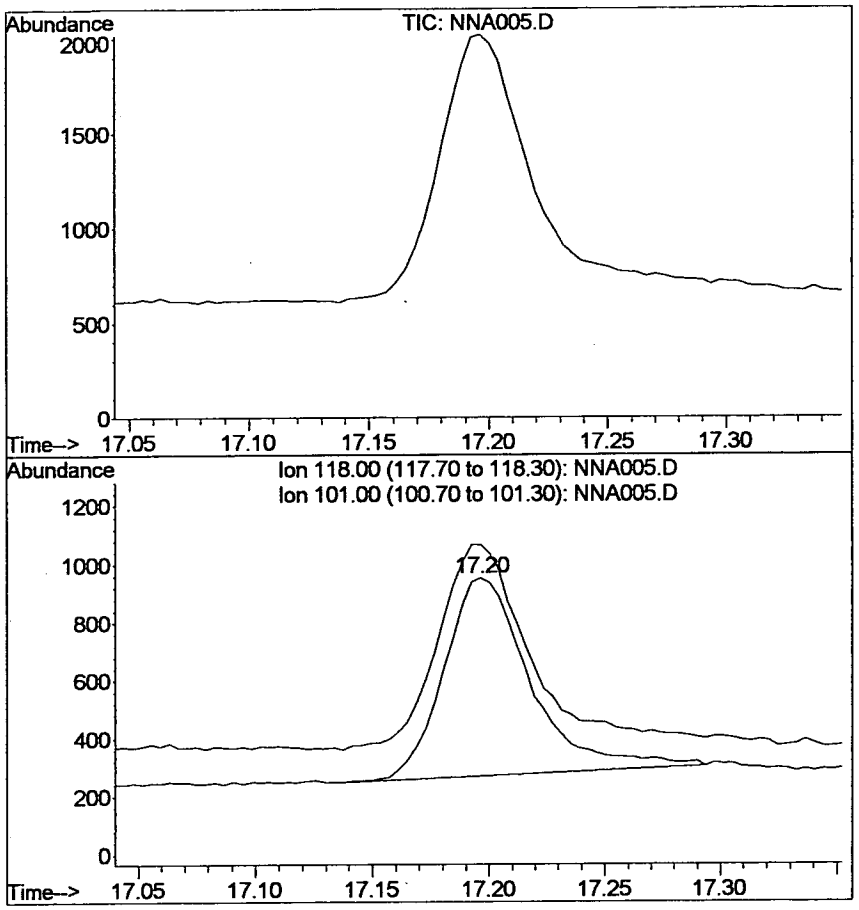
Ion	Ratio	Lower	Upper
145	100		
162	61.9	22.4	102.4



#6
NDPA
Concen: 5.02 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion:148 Resp: 2150

Ion	Ratio	Lower	Upper
148	100		
131	148.6	99.8	207.2



#7
NPYR
Concen: 4.32 PPB
RT: 17.20 min Scan# 1076
Delta R.T. -0.00 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion:118 Resp: 1777

Ion	Ratio	Lower	Upper
118	100		
101	104.4	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA020.D Vial: 5
Acq On : 14 Jun 2007 10:24 am Operator: DF/AI
Sample : 20ppb Std.# 7060222 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2991	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5836	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5092	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	11598	19.34 PPB	100
4) NDEA	13.32	120	11973	19.27 PPB	99
6) NDPA	15.77	148	7622	17.77 PPB	96
7) NPYR	17.20	118	7418	18.00 PPB	91

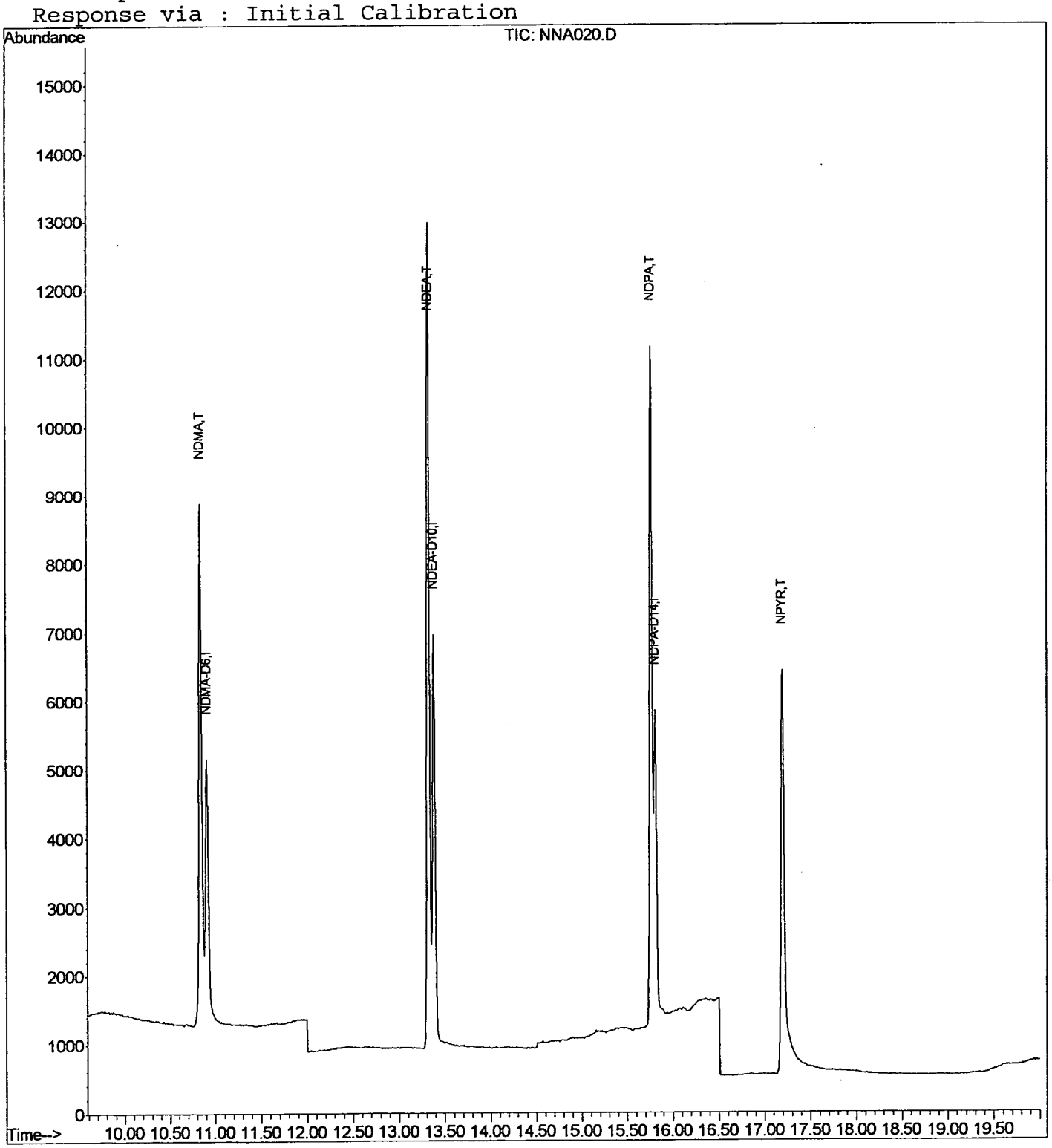
(#) = qualifier out of range (m) = manual integration

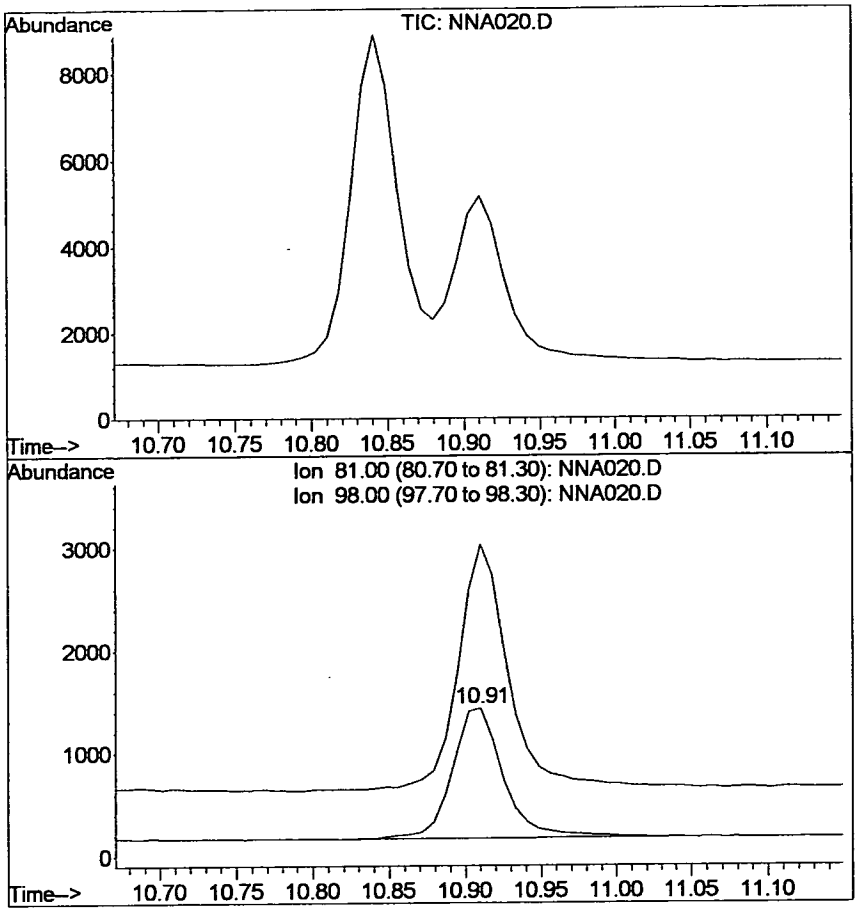
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA020.D
Acq On : 14 Jun 2007 10:24 am
Sample : 20ppb Std.# 7060222
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 5
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

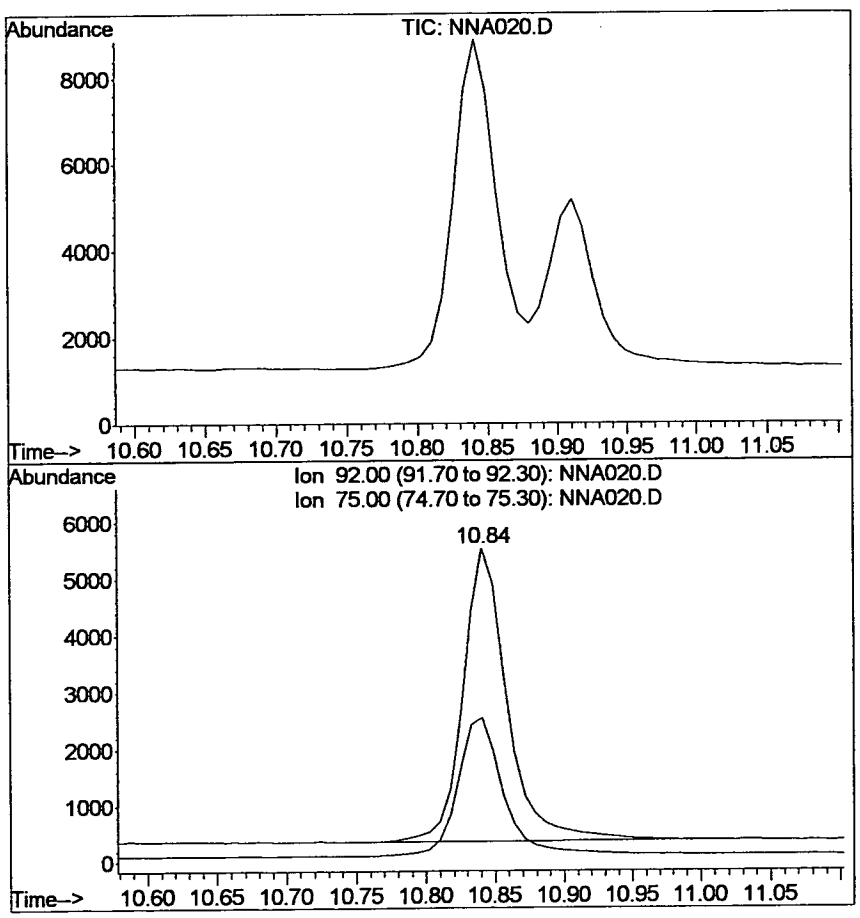




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion: 81 Resp: 2991

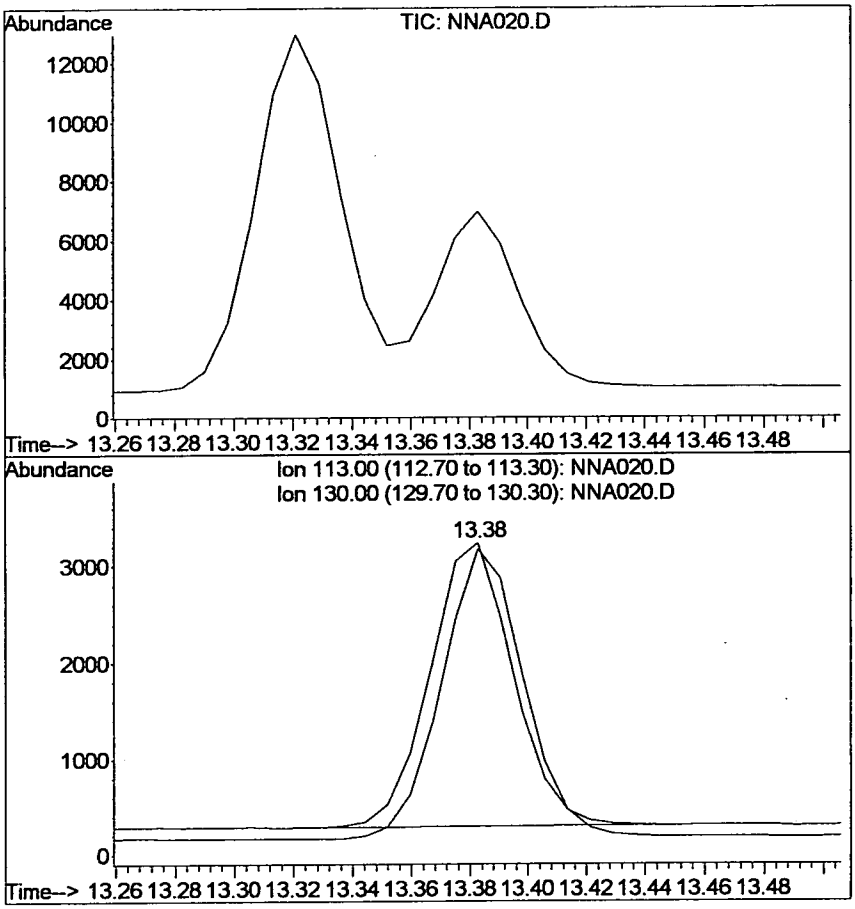
Ion	Ratio	Lower	Upper
81	100		
98	177.3	144.1	224.1



#2
NDMA
Concen: 19.34 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion: 92 Resp: 11598

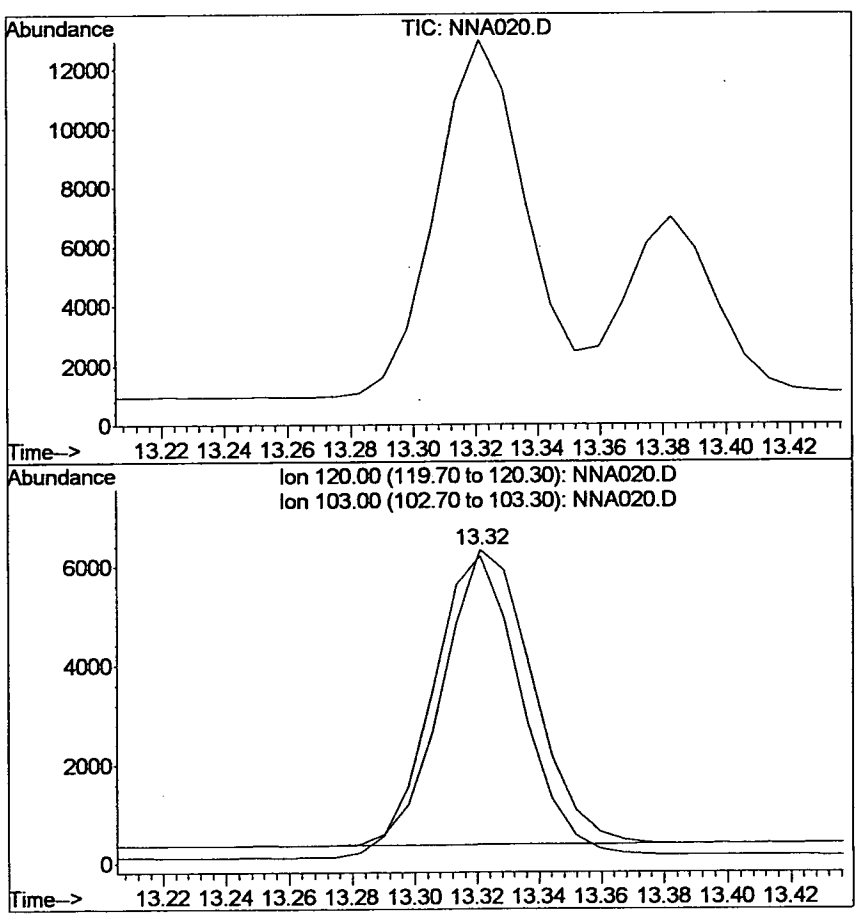
Ion	Ratio	Lower	Upper
92	100		
75	48.7	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion:113 Resp: 5836

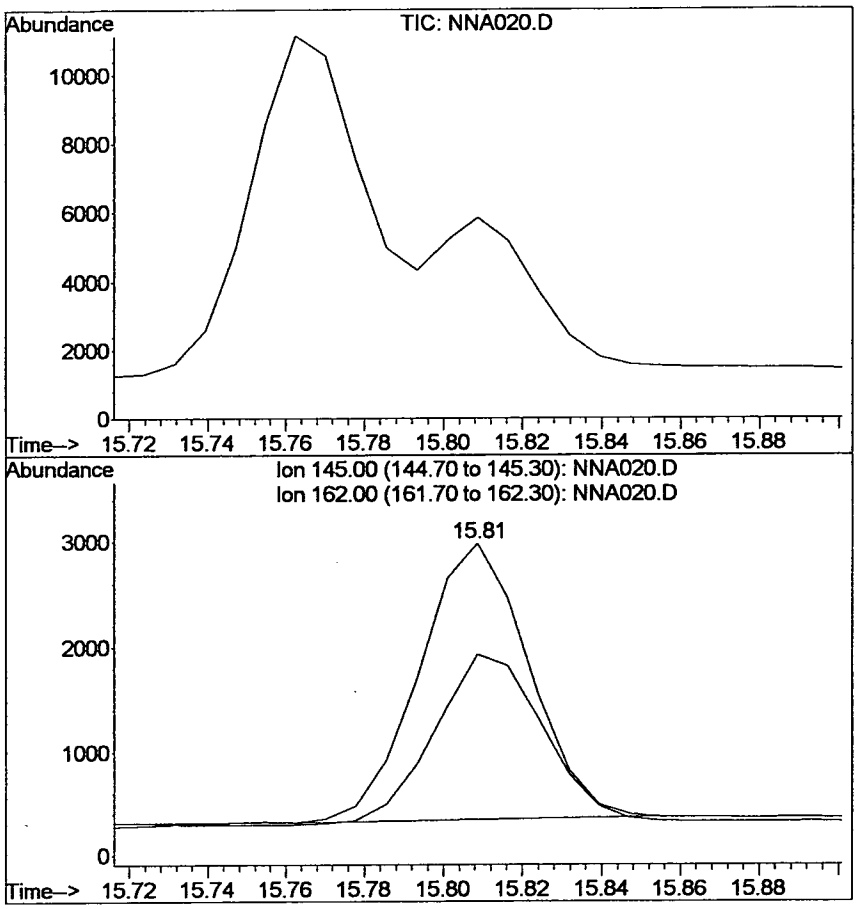
Ion	Ratio	Lower	Upper
113	100		
130	101.0	67.1	137.1



#4
NDEA
Concen: 19.27 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion:120 Resp: 11973

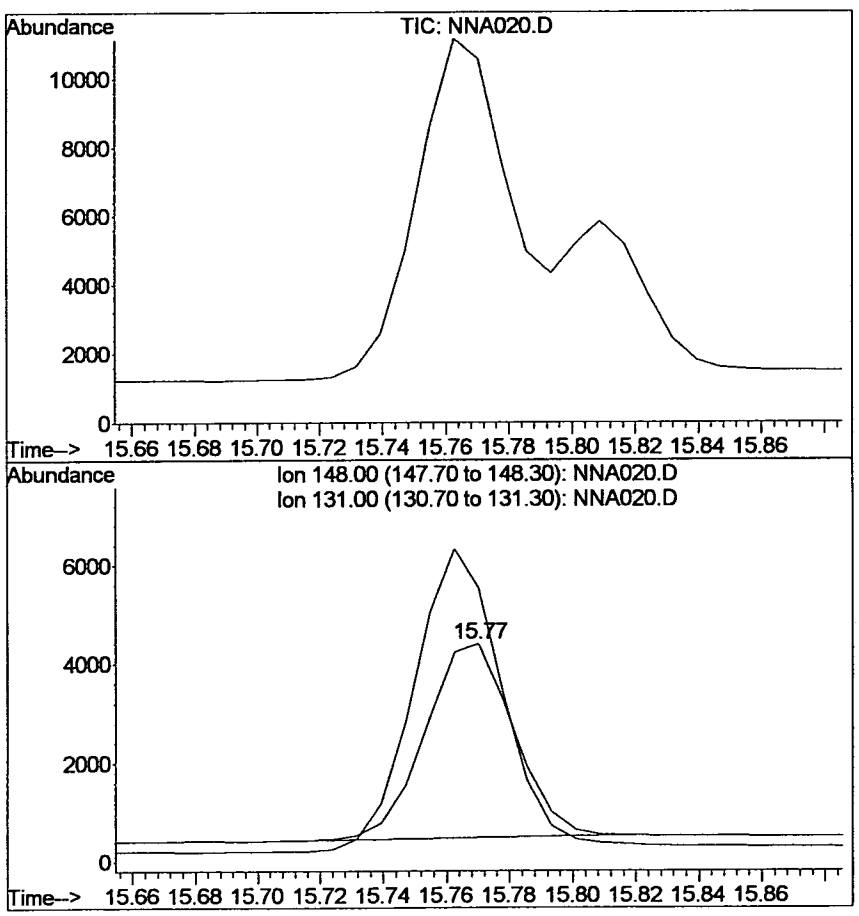
Ion	Ratio	Lower	Upper
120	100		
103	101.0	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion:145 Resp: 5092

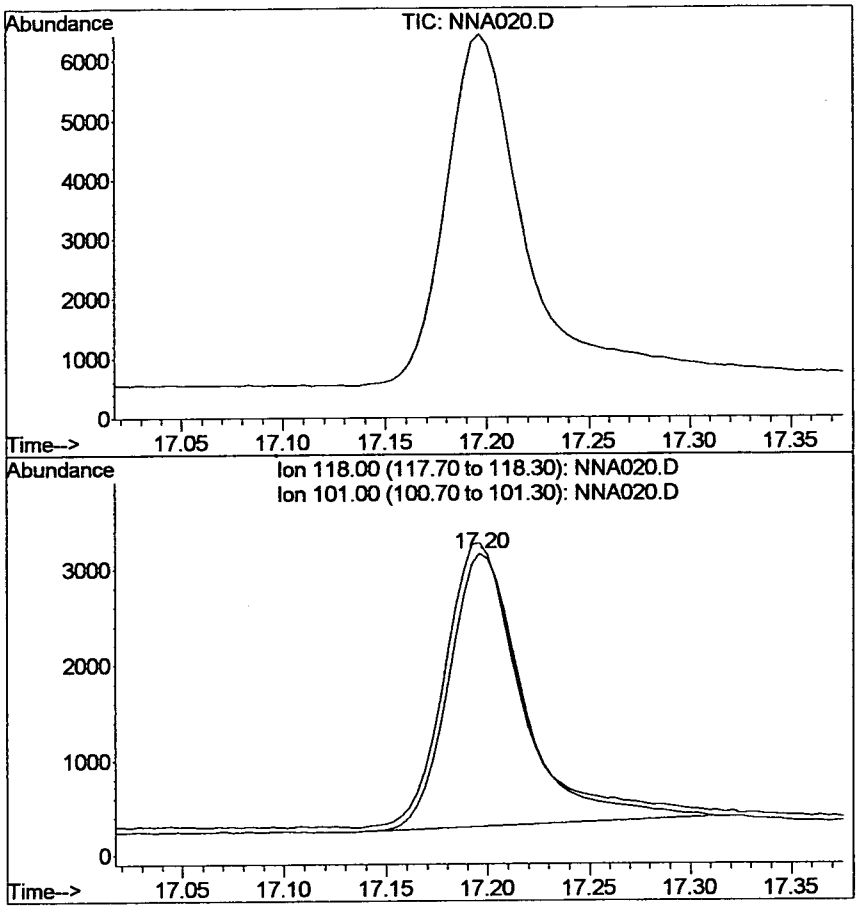
Ion	Ratio	Lower	Upper
145	100		
162	61.0	22.4	102.4



#6
NDPA
Concen: 17.77 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion:148 Resp: 7622

Ion	Ratio	Lower	Upper
148	100		
131	158.8	99.8	207.2



#7
NPYR
Concen: 18.00 PPB
RT: 17.20 min Scan# 1076
Delta R.T. 0.00 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion:118 Resp: 7418

Ion	Ratio	Lower	Upper
118	100		
101	104.9	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA050.D
Acq On : 14 Jun 2007 10:47 am
Sample : 50ppb Std.# 7060223
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 6
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00

Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	3015	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5896	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5432	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	29636	49.01 PPB	99
4) NDEA	13.32	120	30485	48.57 PPB	99
6) NDPA	15.76	148	19990	43.69 PPB	94
7) NPYR	17.20	118	21971	49.98 PPB	94

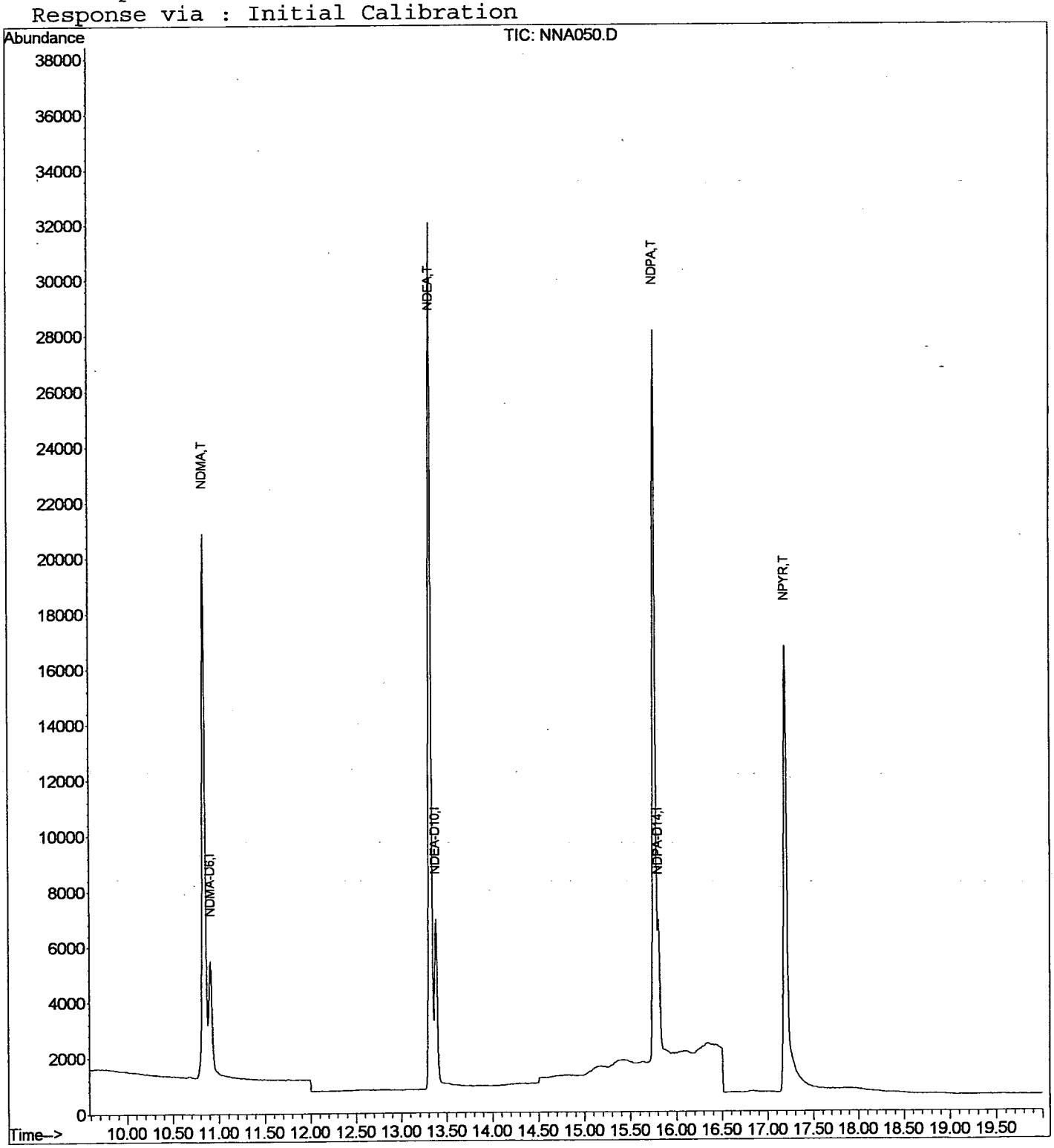
(#) = qualifier out of range (m) = manual integration

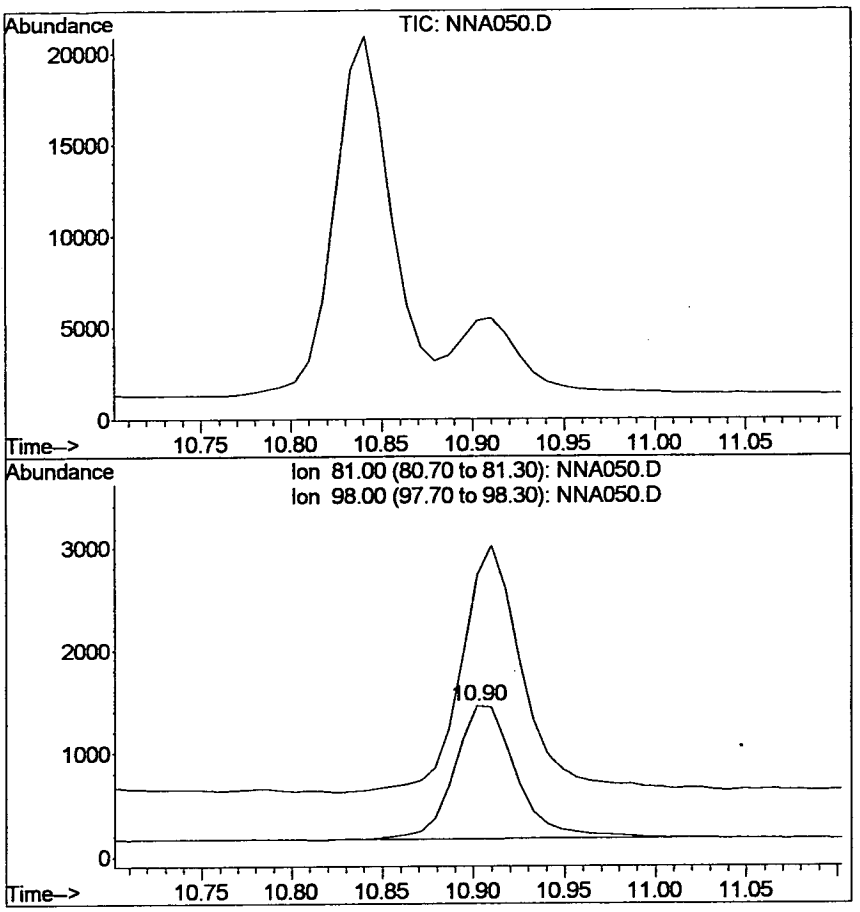
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA050.D
Acq On : 14 Jun 2007 10:47 am
Sample : 50ppb Std.# 7060223
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 6
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

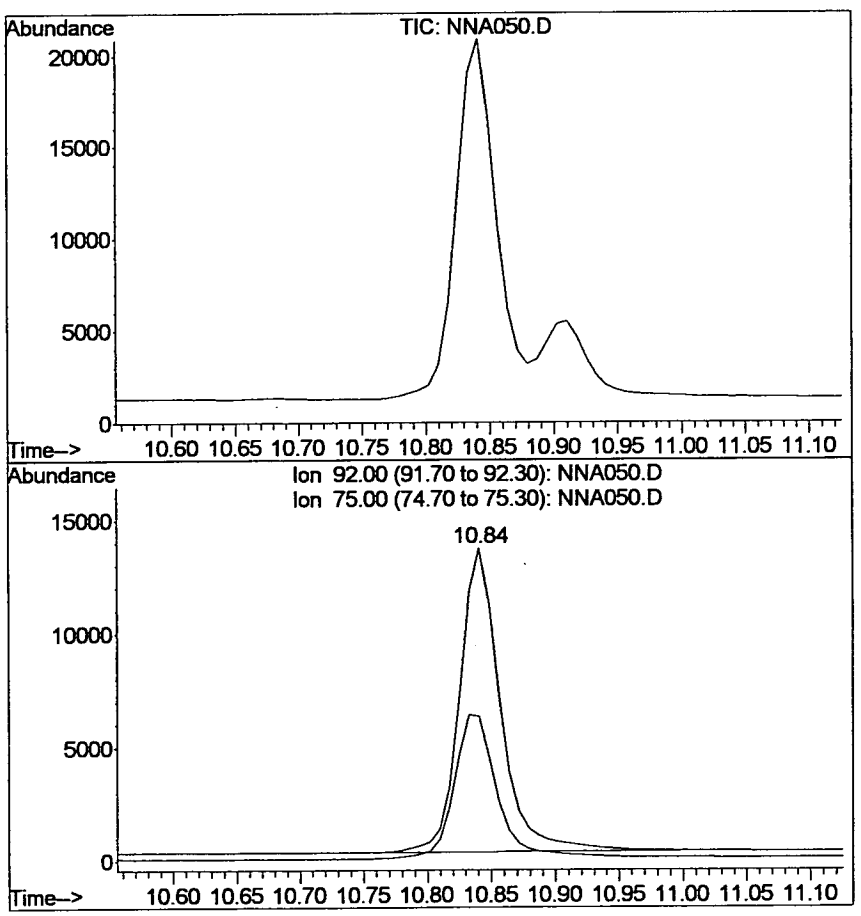




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. -0.00 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion: 81 Resp: 3015

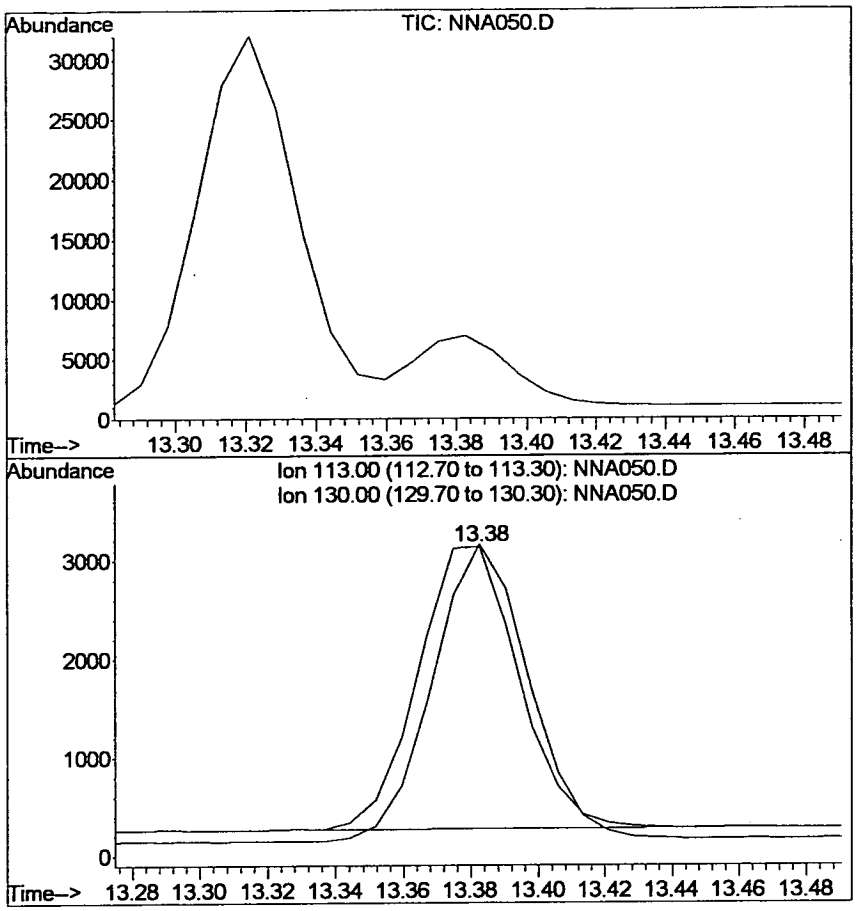
Ion	Ratio	Lower	Upper
81	100		
98	180.3	144.1	224.1



#2
NDMA
Concen: 49.01 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion: 92 Resp: 29636

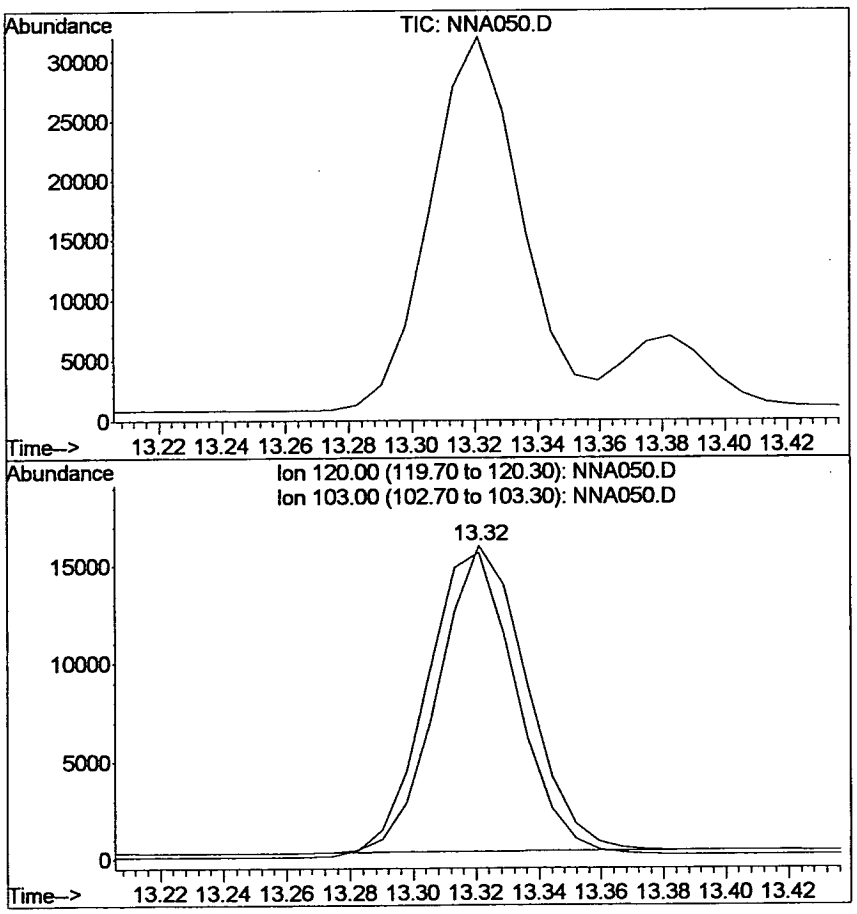
Ion	Ratio	Lower	Upper
92	100		
75	49.4	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion:113 Resp: 5896

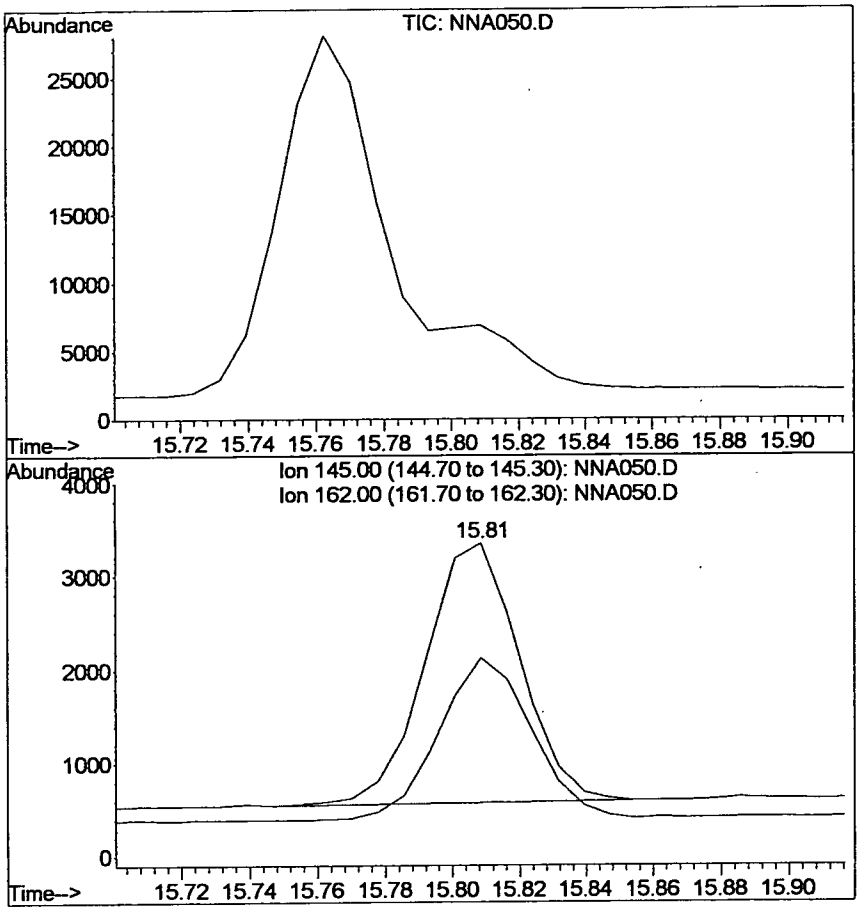
Ion	Ratio	Lower	Upper
113	100		
130	100.2	67.1	137.1



#4
NDEA
Concen: 48.57 PPB
RT: 13.32 min Scan# 486
Delta R.T. -0.00 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion:120 Resp: 30485

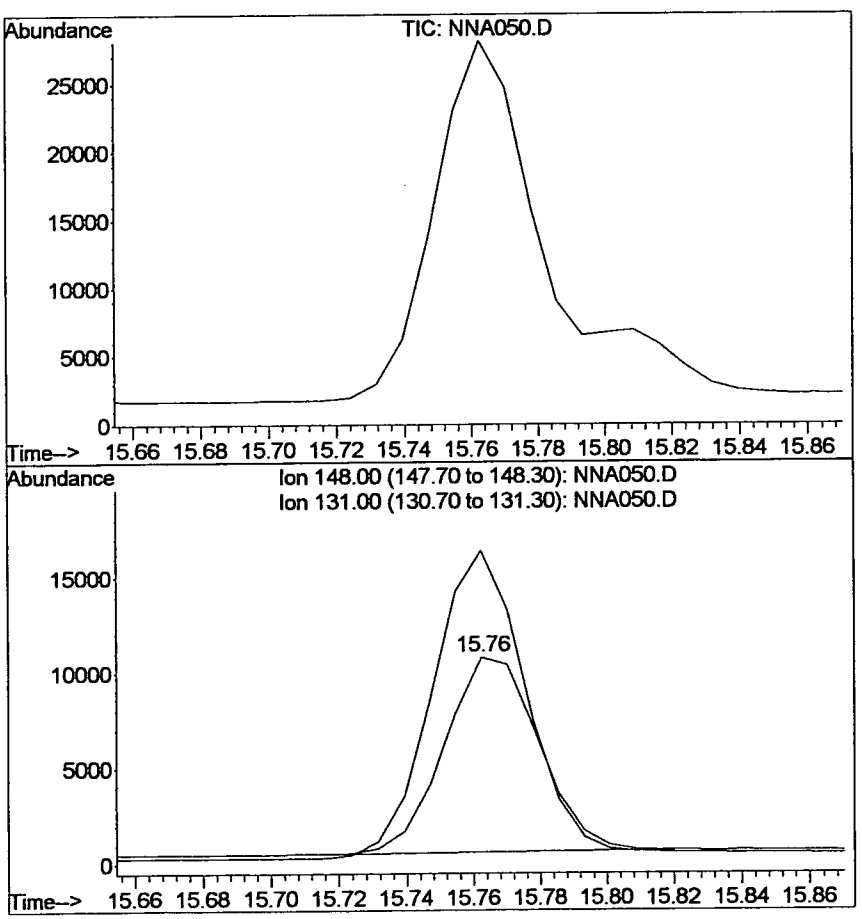
Ion	Ratio	Lower	Upper
120	100		
103	101.6	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion:145 Resp: 5432

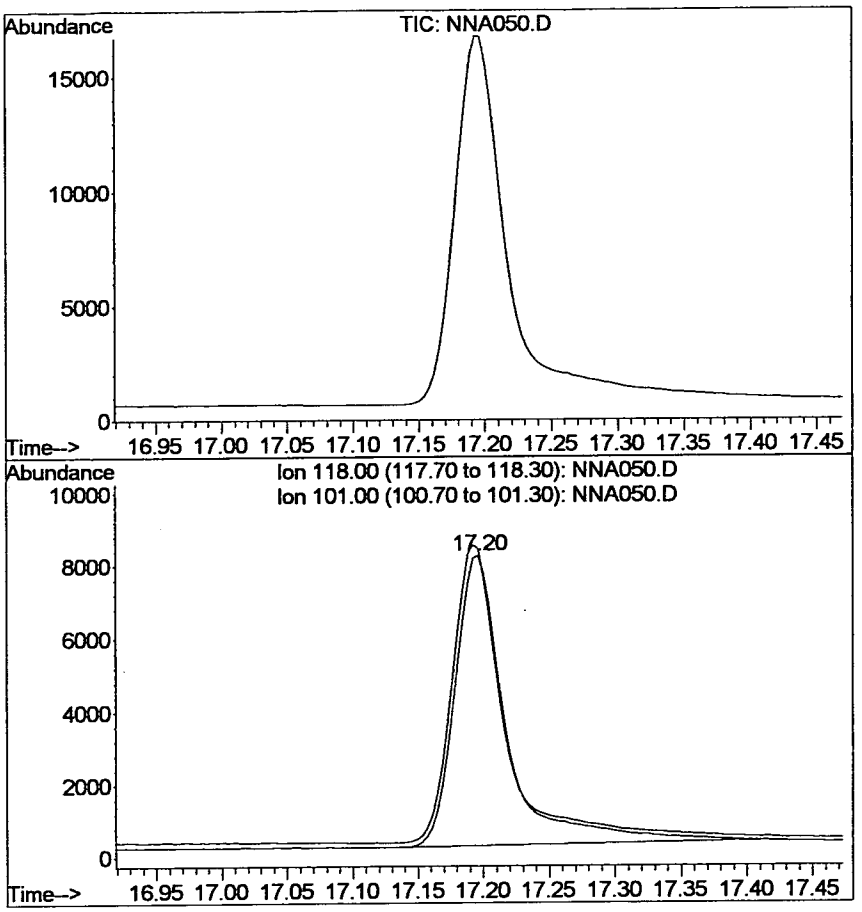
Ion	Ratio	Lower	Upper
145	100		
162	60.8	22.4	102.4



#6
NDPA
Concen: 43.69 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion:148 Resp: 19990

Ion	Ratio	Lower	Upper
148	100		
131	161.6	99.8	207.2



#7
NPYR
Concen: 49.98 PPB
RT: 17.20 min Scan# 1076
Delta R.T. -0.00 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion:118 Resp: 21971

Ion	Ratio	Lower	Upper
118	100		
101	102.6	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA100.D Vial: 7
Acq On : 14 Jun 2007 11:11 am Operator: DF/AI
Sample : 100ppb Std.# 7060224 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

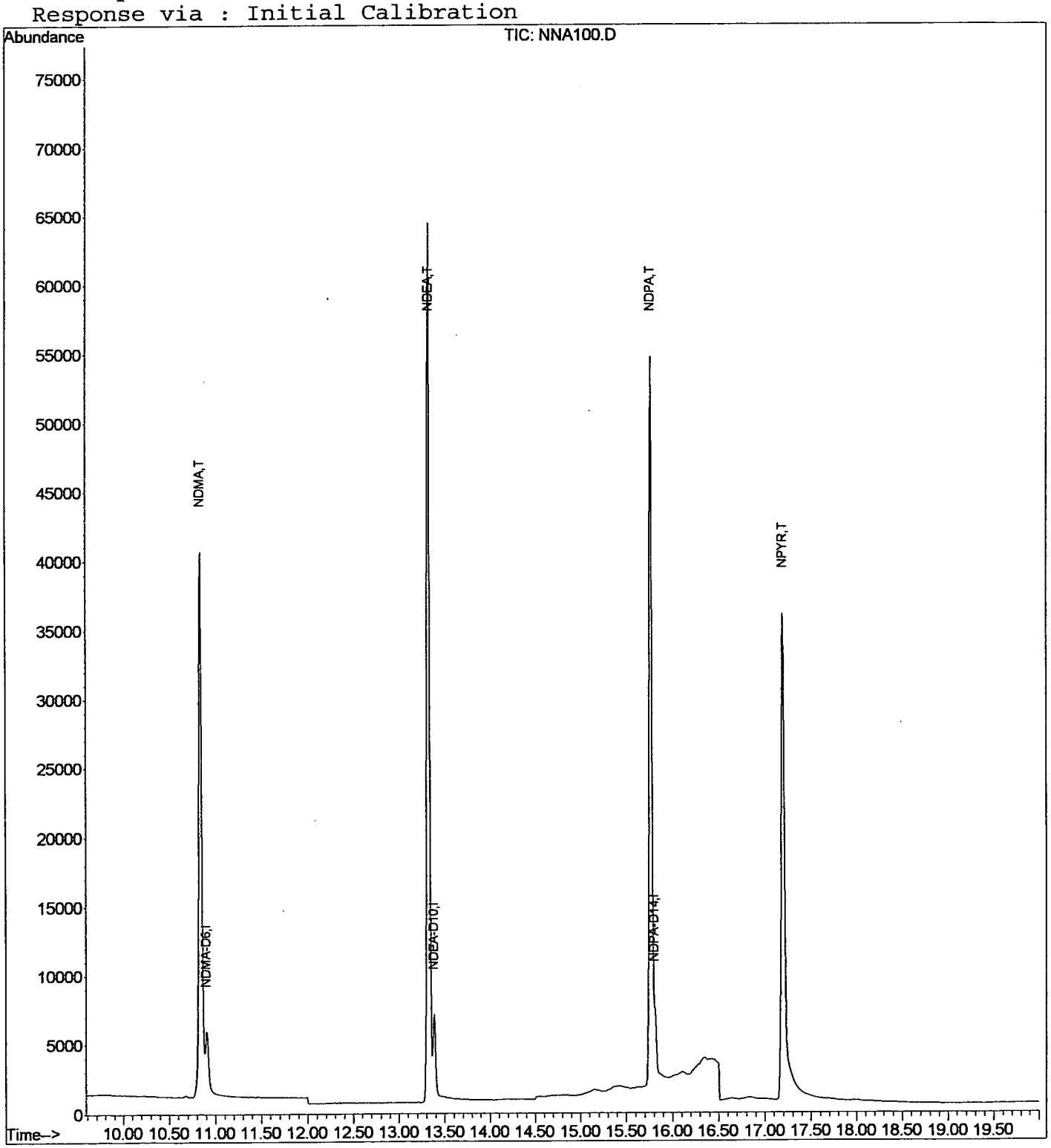
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	2989	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5837	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5188	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	60647	101.17 PPB	99
4) NDEA	13.32	120	62234	100.15 PPB	99
6) NDPA	15.76	148	40333	92.31 PPB	100
7) NPYR	17.20	118	48456	115.41 PPB	97

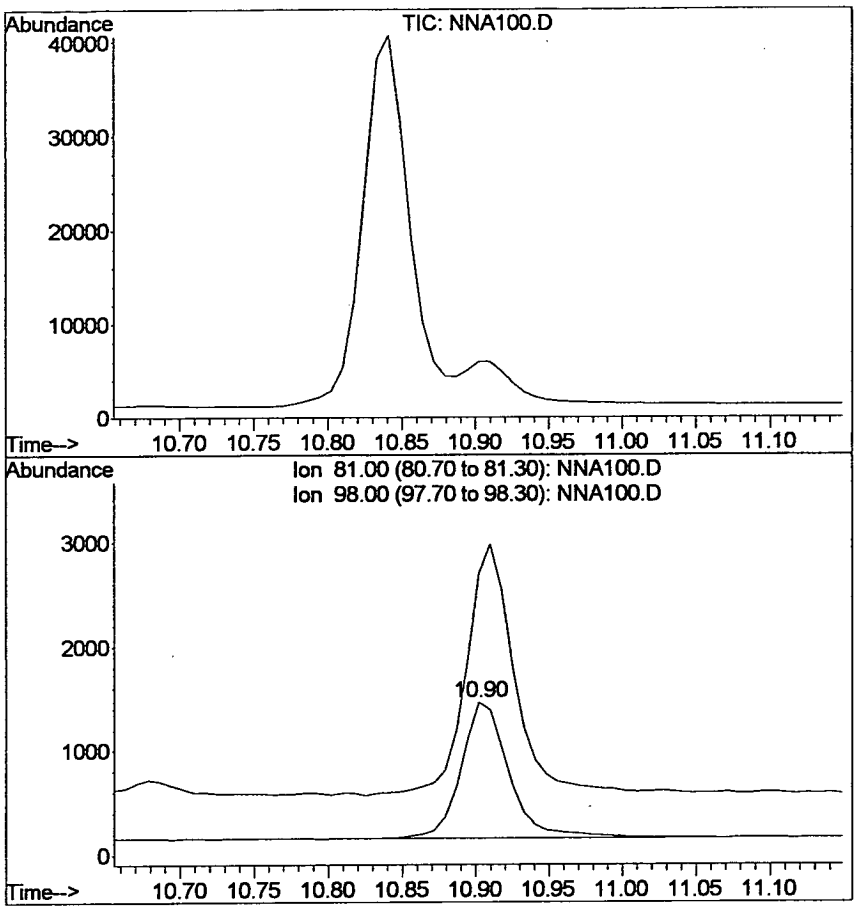
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA100.D Vial: 7
Acq On : 14 Jun 2007 11:11 am Operator: DF/AI
Sample : 100ppb Std.# 7060224 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

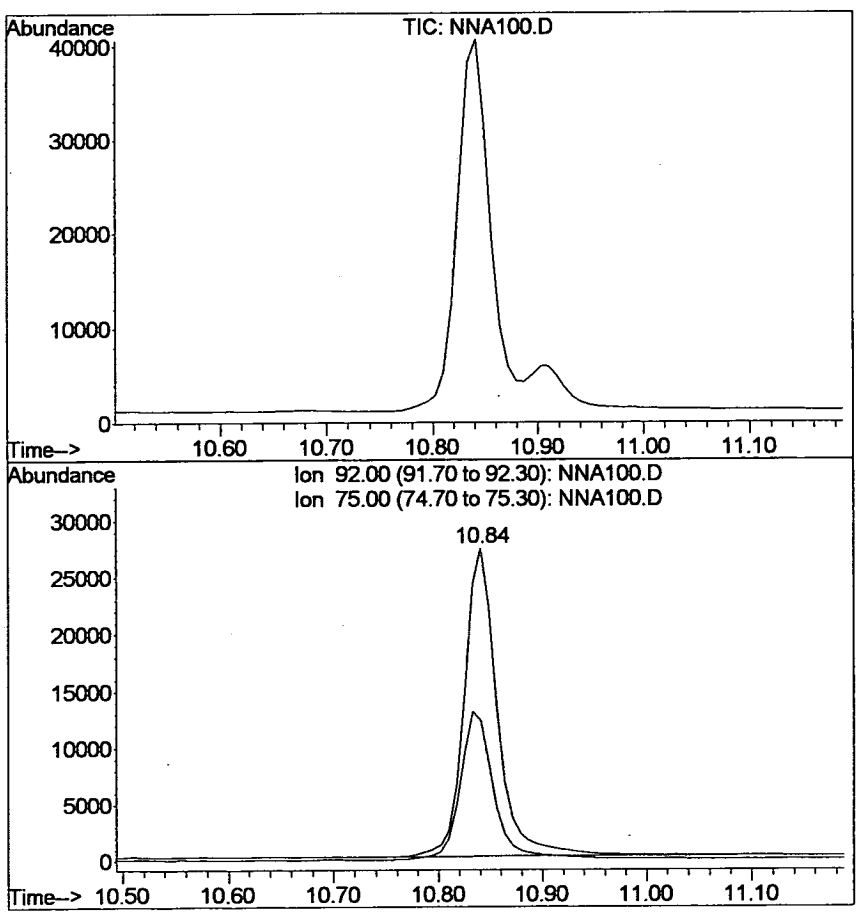




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. -0.00 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion: 81 Resp: 2989

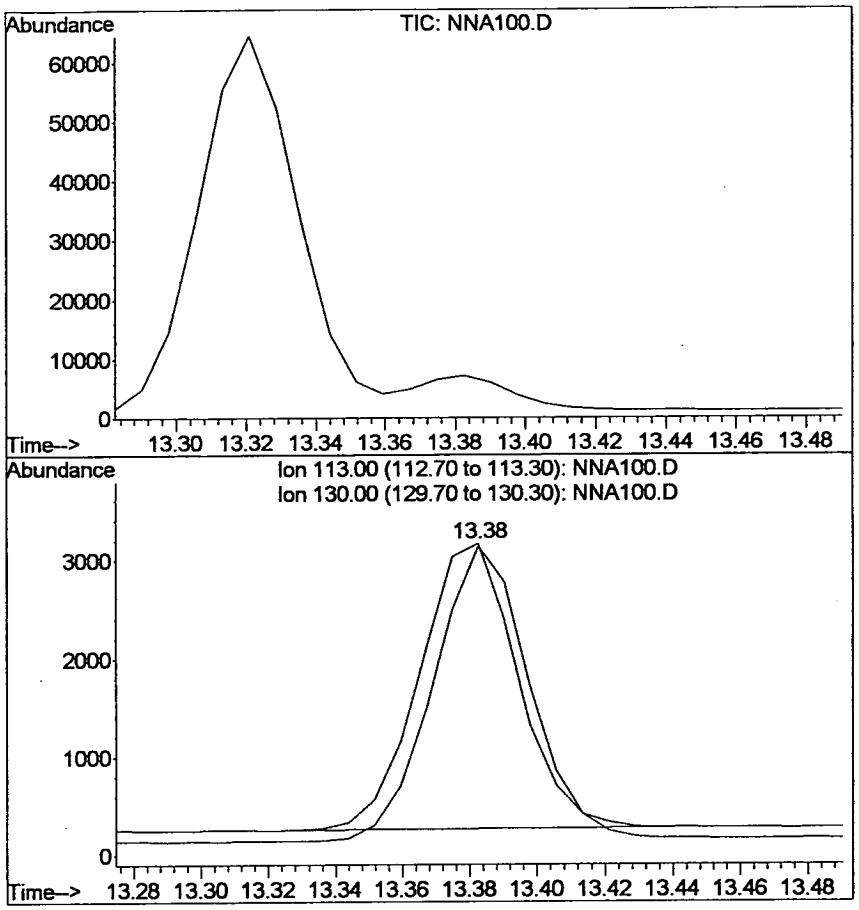
Ion	Ratio	Lower	Upper
81	100		
98	179.9	144.1	224.1



#2
NDMA
Concen: 101.17 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion: 92 Resp: 60647

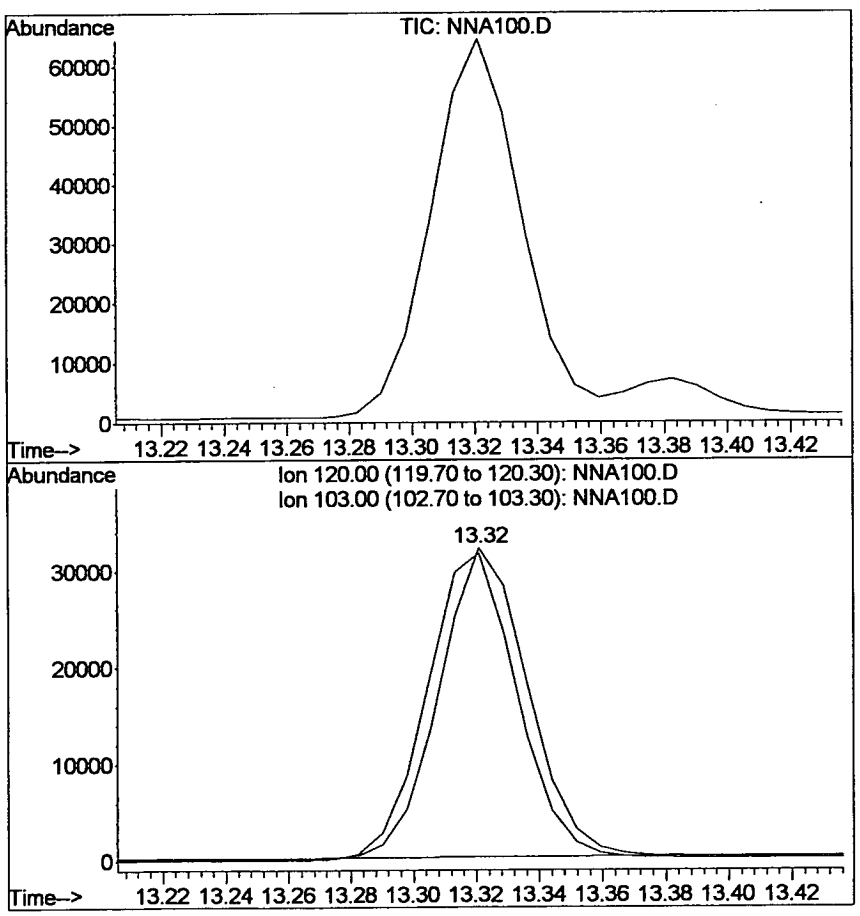
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion:113 Resp: 5837

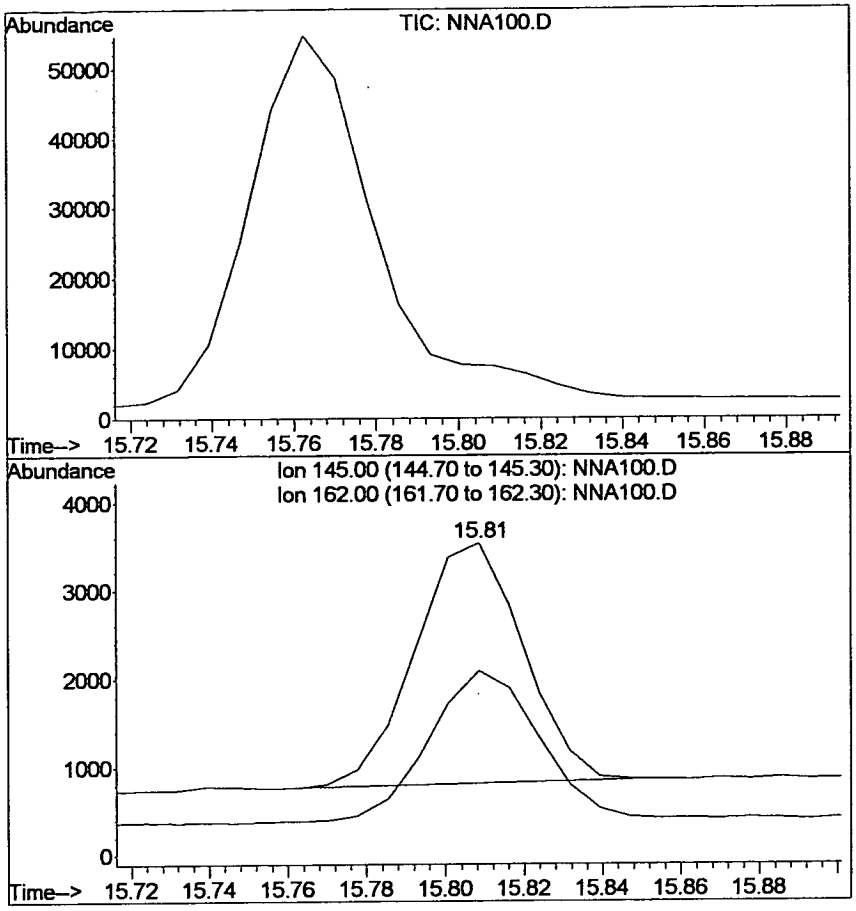
Ion	Ratio	Lower	Upper
113	100		
130	100.3	67.1	137.1



#4
NDEA
Concen: 100.15 PPB
RT: 13.32 min Scan# 486
Delta R.T. -0.00 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion:120 Resp: 62234

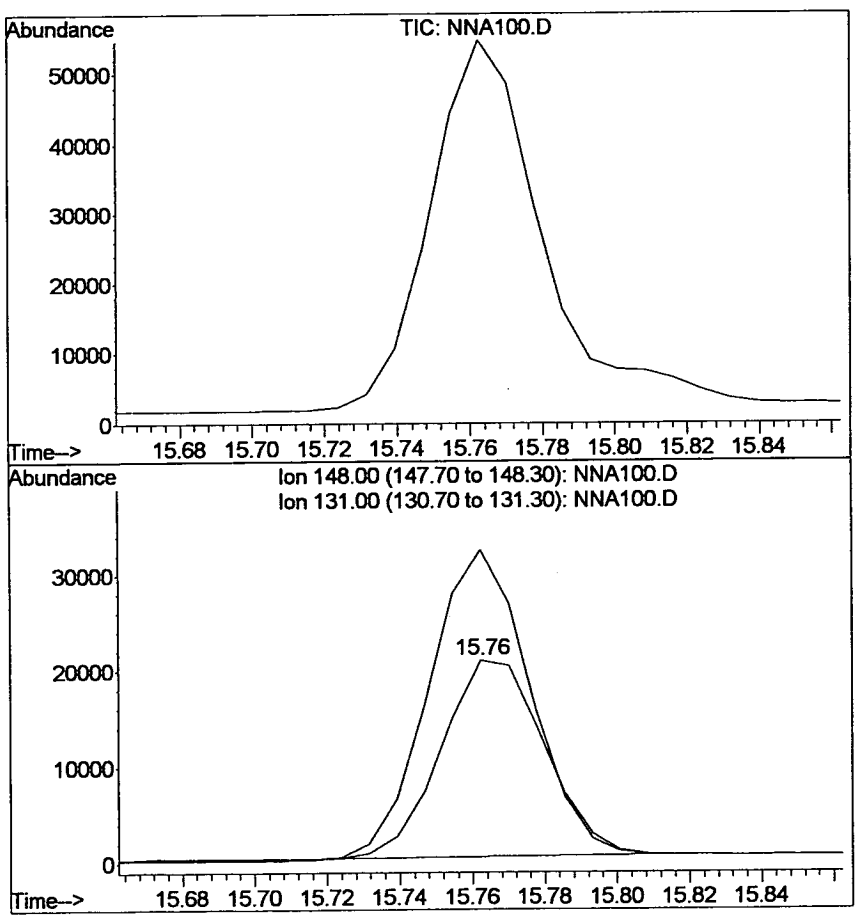
Ion	Ratio	Lower	Upper
120	100		
103	101.0	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion:145 Resp: 5188

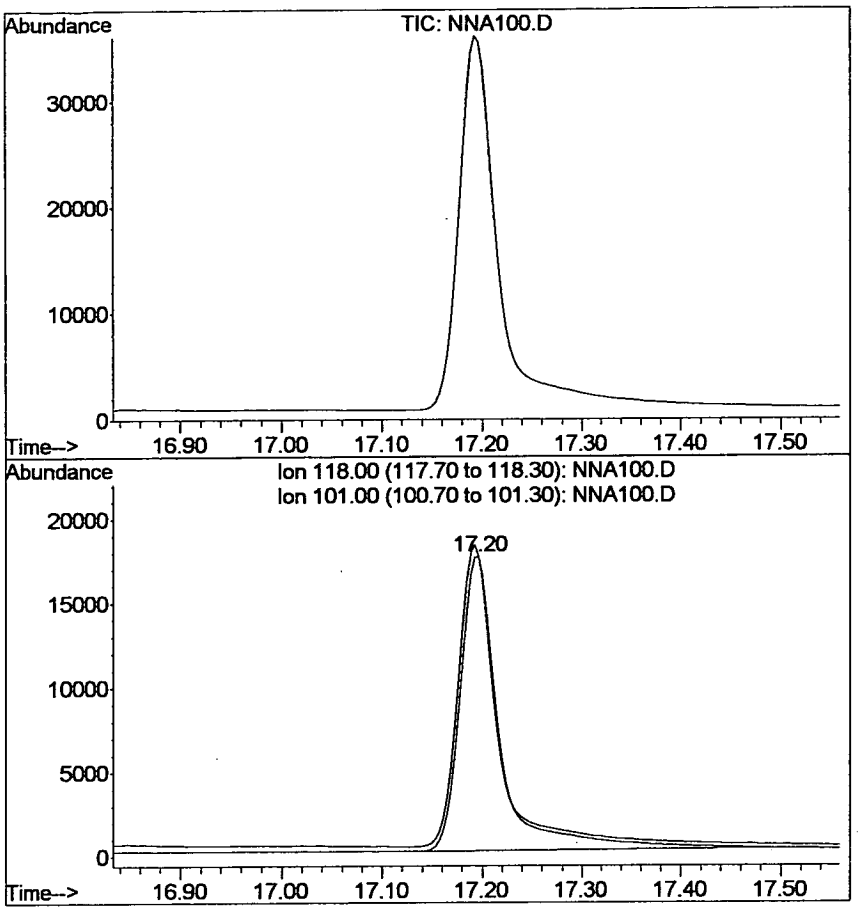
Ion	Ratio	Lower	Upper
145	100		
162	63.0	22.4	102.4



#6
NDPA
Concen: 92.31 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion:148 Resp: 40333

Ion	Ratio	Lower	Upper
148	100		
131	153.0	99.8	207.2



#7
NPYR
Concen: 115.41 PPB
RT: 17.20 min Scan# 1076
Delta R.T. -0.00 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion:118 Resp: 48456

Ion	Ratio	Lower	Upper
118	100		
101	99.7	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA150.D
Acq On : 14 Jun 2007 11:34 am
Sample : 150ppb Std.# 7060225
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 8
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	3079	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5791	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5290	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	90278	146.20 PPB	99
4) NDEA	13.32	120	91277	148.05 PPB	99
6) NDPA	15.76	148	58976	132.37 PPB	99
7) NPYR	17.20	118	71527	167.07 PPB	96

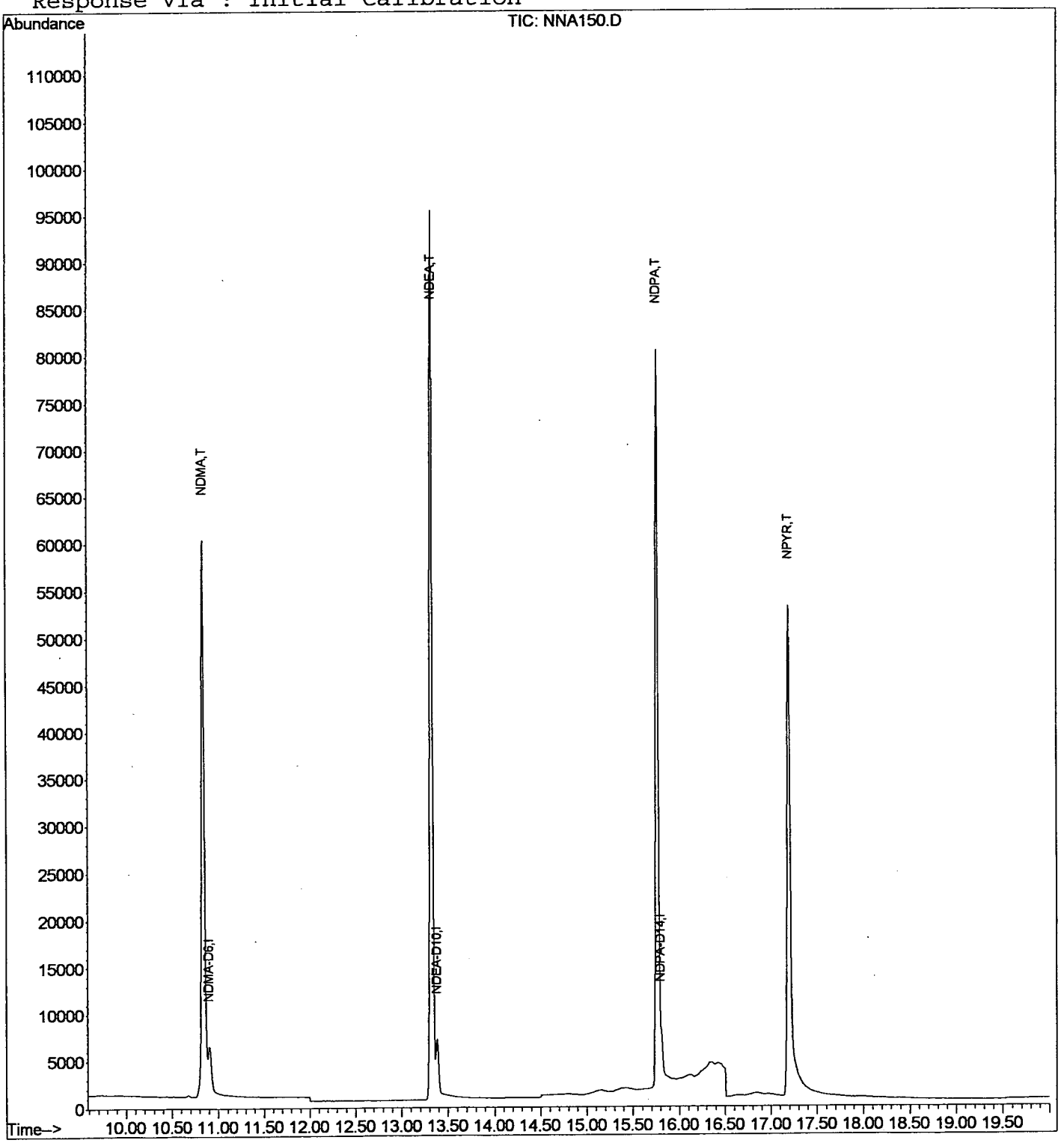
(#) = qualifier out of range (m) = manual integration

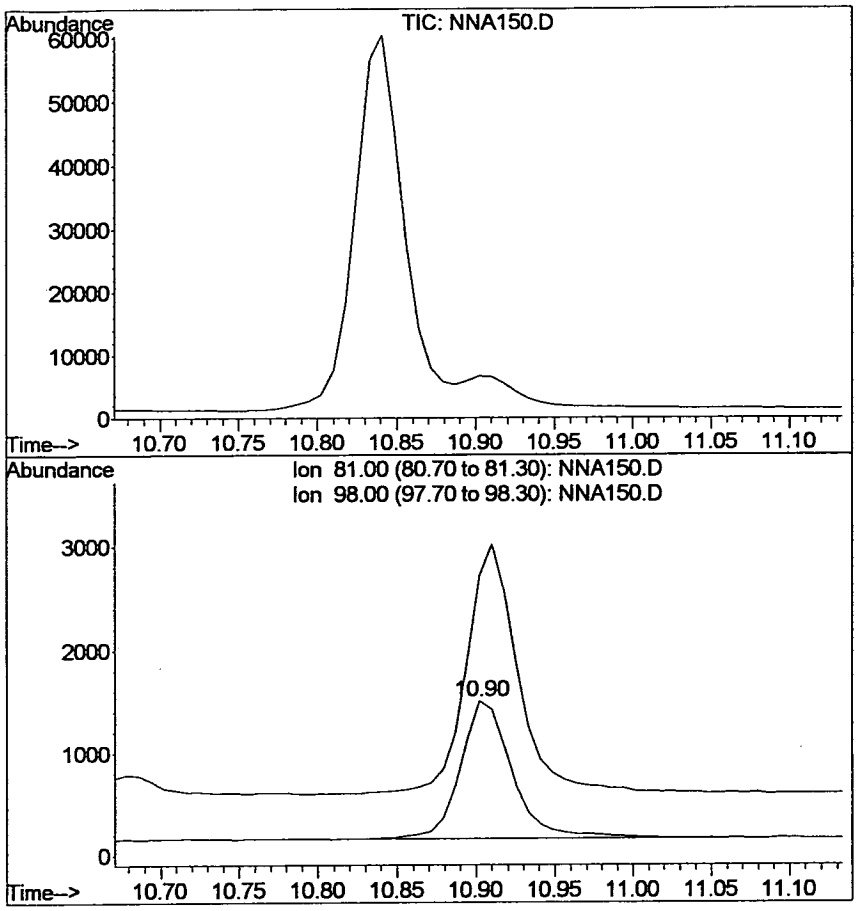
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA150.D
Acq On : 14 Jun 2007 11:34 am
Sample : 150ppb Std.# 7060225
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 8
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

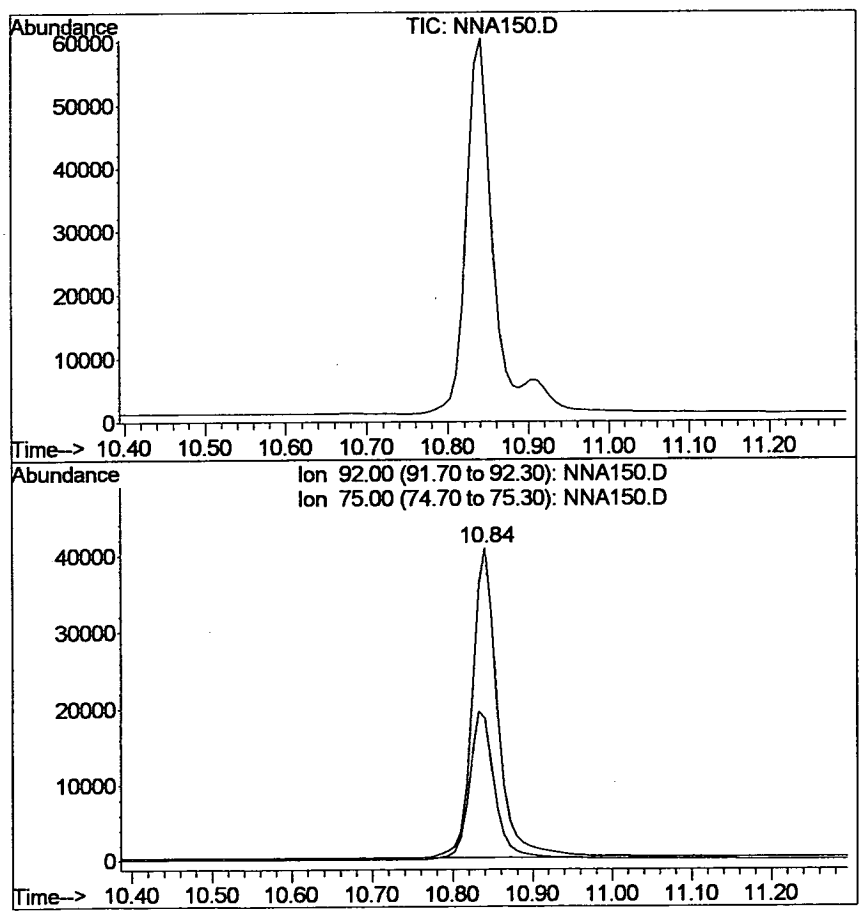




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion: 81 Resp: 3079

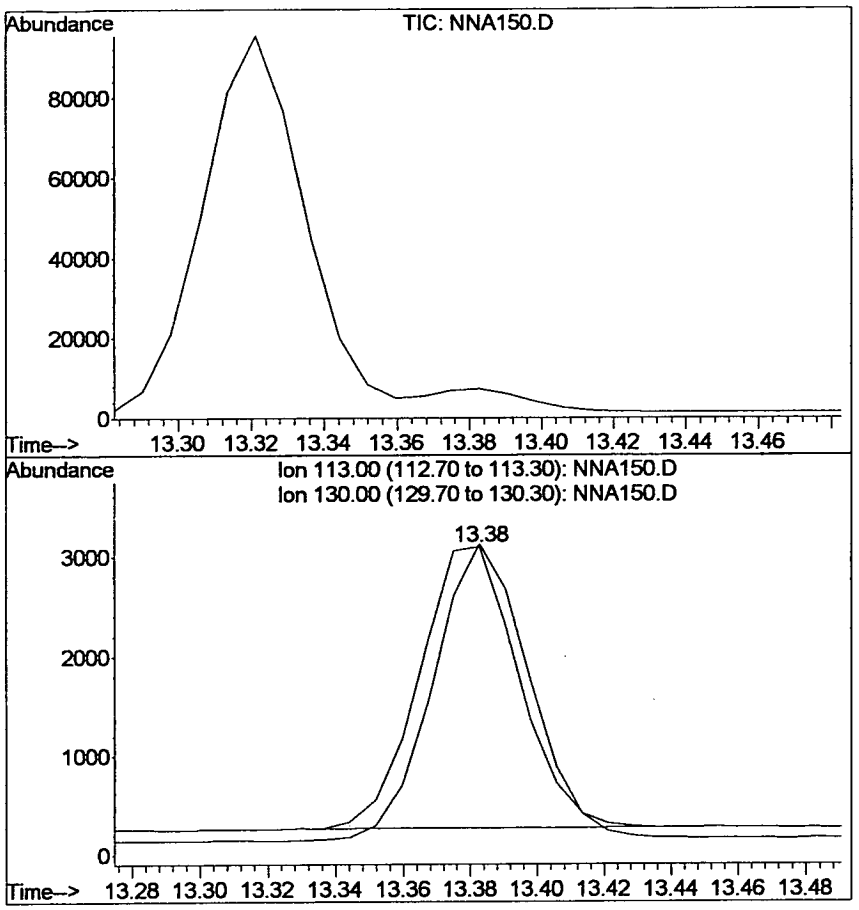
Ion	Ratio	Lower	Upper
81	100		
98	178.5	144.1	224.1



#2
NDMA
Concen: 146.20 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion: 92 Resp: 90278

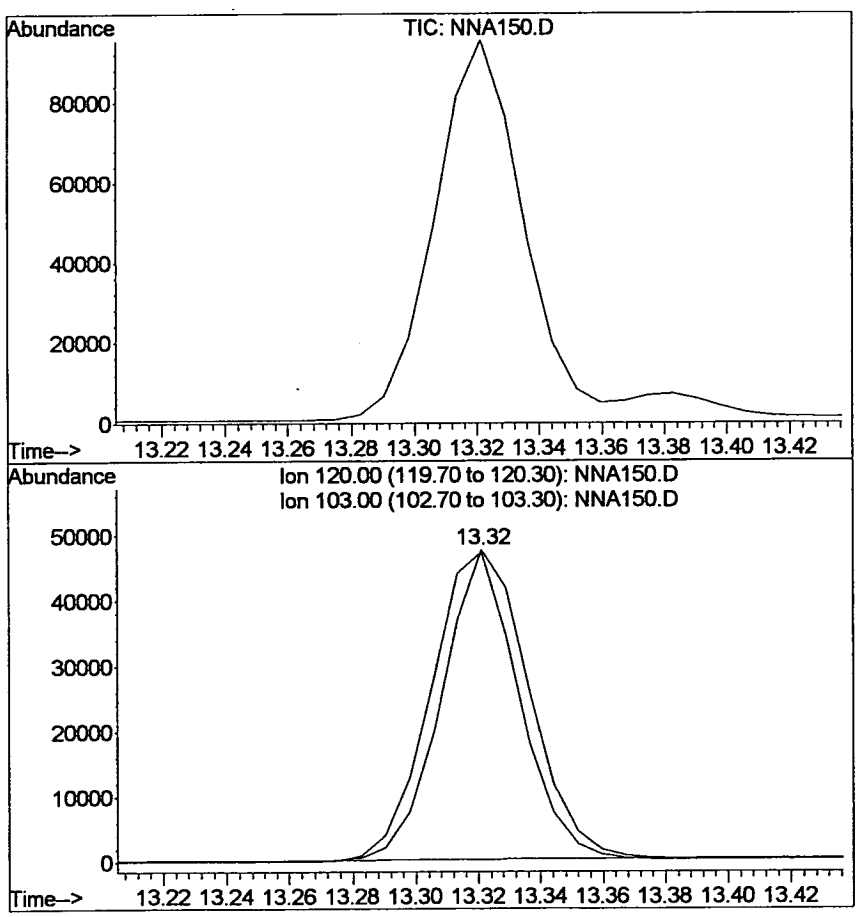
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion:113 Resp: 5791

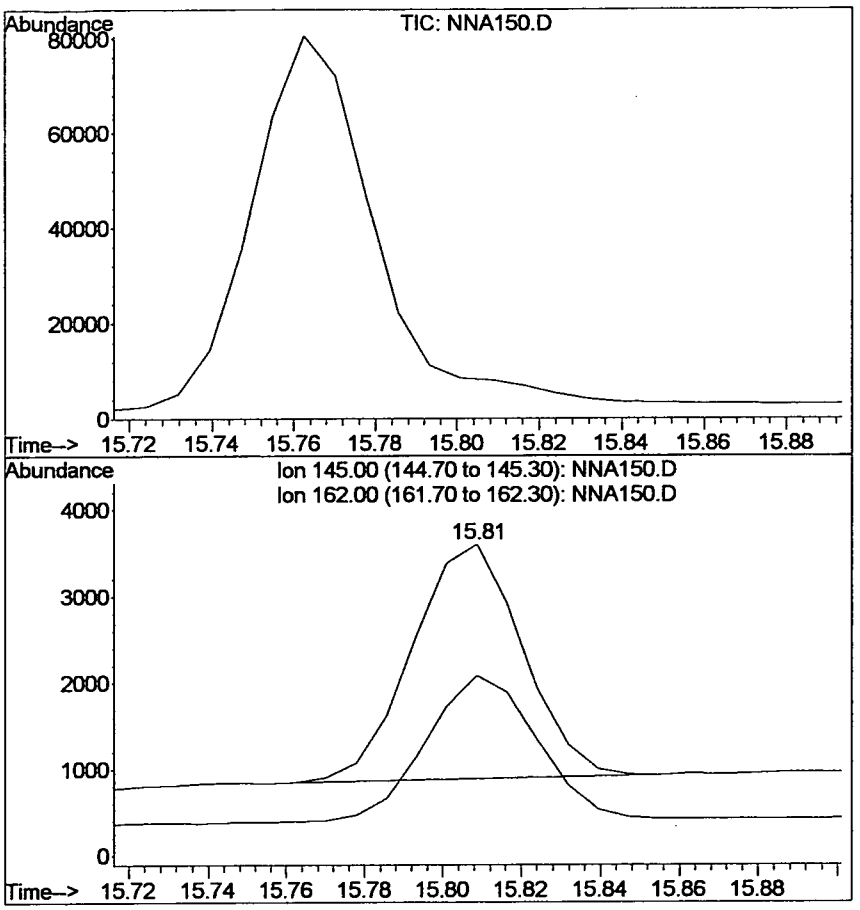
Ion	Ratio	Lower	Upper
113	100		
130	101.4	67.1	137.1



#4
NDEA
Concen: 148.05 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion:120 Resp: 91277

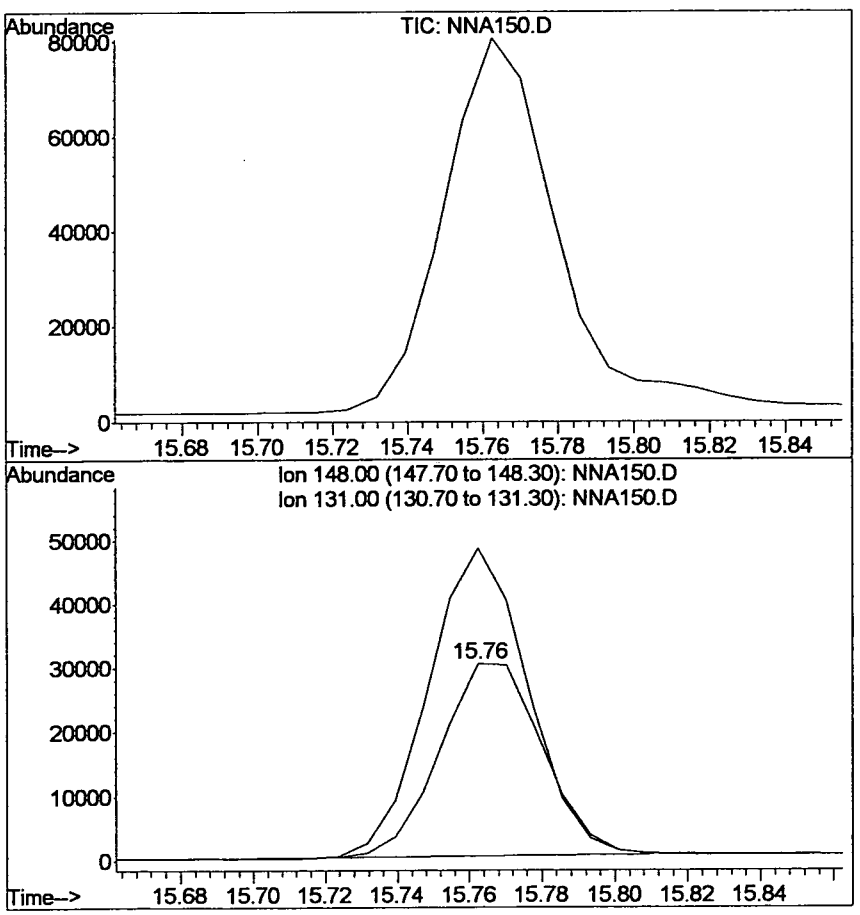
Ion	Ratio	Lower	Upper
120	100		
103	101.2	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion:145 Resp: 5290

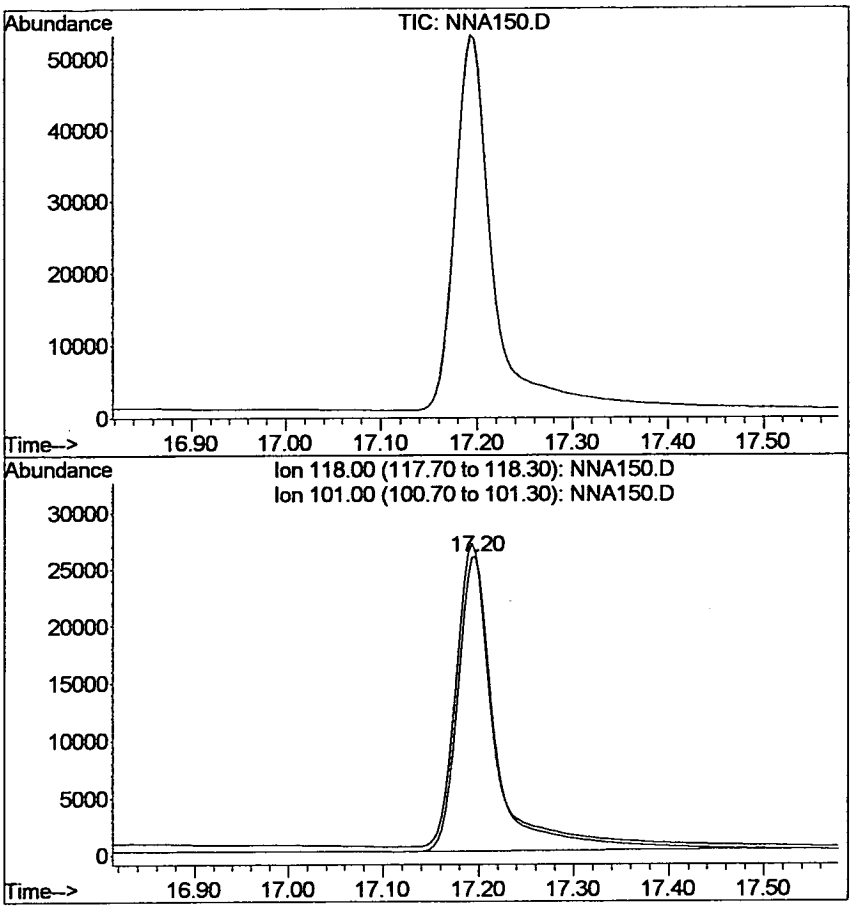
Ion	Ratio	Lower	Upper
145	100		
162	62.2	22.4	102.4



#6
NDPA
Concen: 132.37 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion:148 Resp: 58976

Ion	Ratio	Lower	Upper
148	100		
131	154.7	99.8	207.2



#7
NPYR
Concen: 167.07 PPB
RT: 17.20 min Scan# 1076
Delta R.T. 0.00 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion:118 Resp: 71527

Ion	Ratio	Lower	Upper
118	100		
101	100.2	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA200.D Vial: 9
Acq On : 14 Jun 2007 11:58 am Operator: DF/AI
Sample : 200ppb Std.# 7060226 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

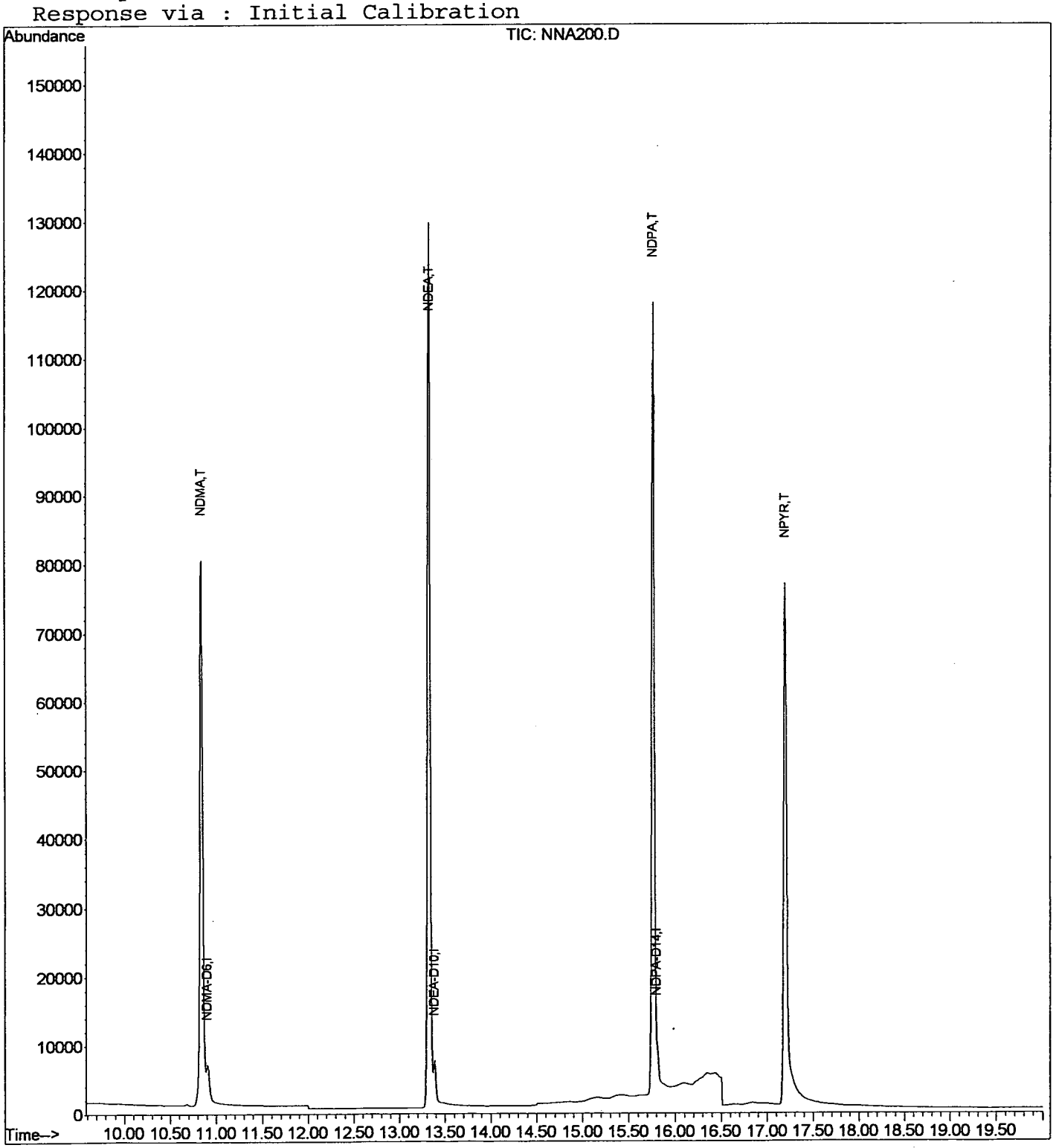
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	3031	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5900	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5851	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	123053	202.44 PPB	99
4) NDEA	13.32	120	126080	200.72 PPB	99
6) NDPA	15.76	148	86380	175.29 PPB	100
7) NPYR	17.19	118	101631	214.63 PPB	96

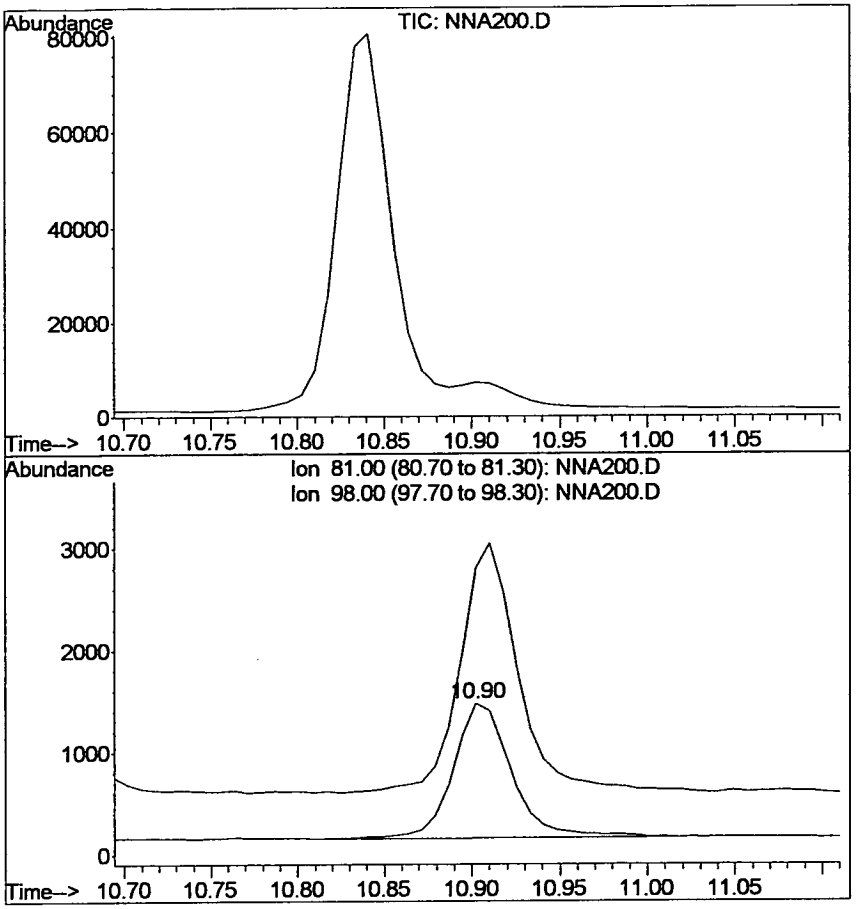
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA200.D Vial: 9
Acq On : 14 Jun 2007 11:58 am Operator: DF/AI
Sample : 200ppb Std.# 7060226 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

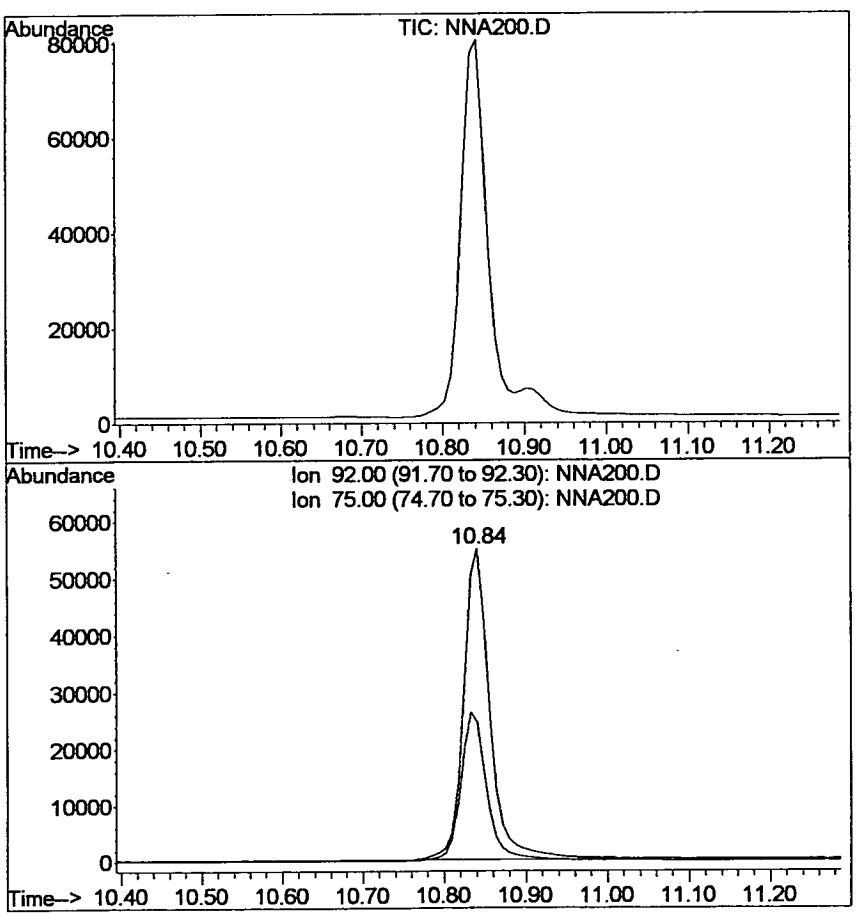




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion: 81 Resp: 3031

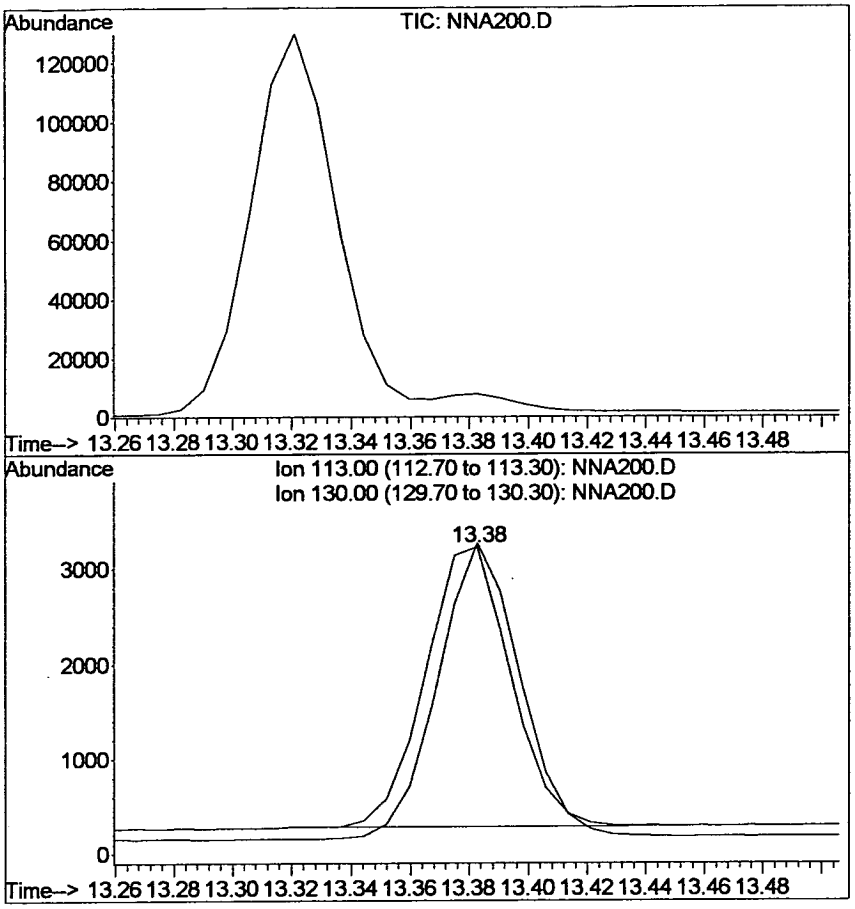
Ion	Ratio	Lower	Upper
81	100		
98	183.9	144.1	224.1



#2
NDMA
Concen: 202.44 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion: 92 Resp: 123053

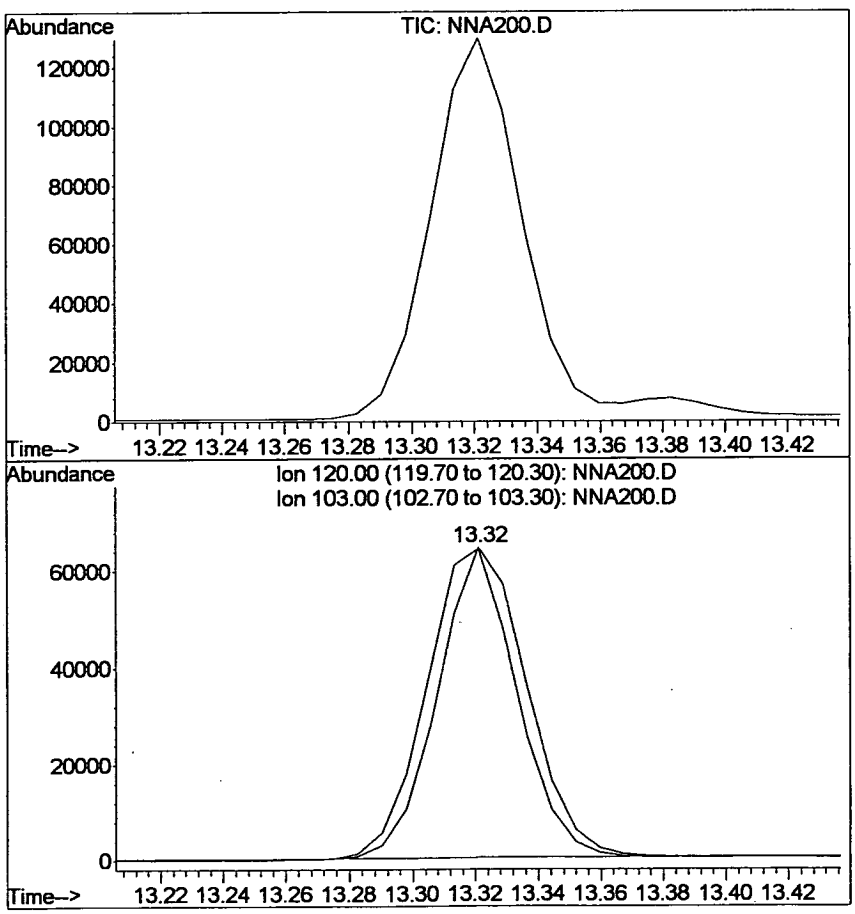
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion:113 Resp: 5900

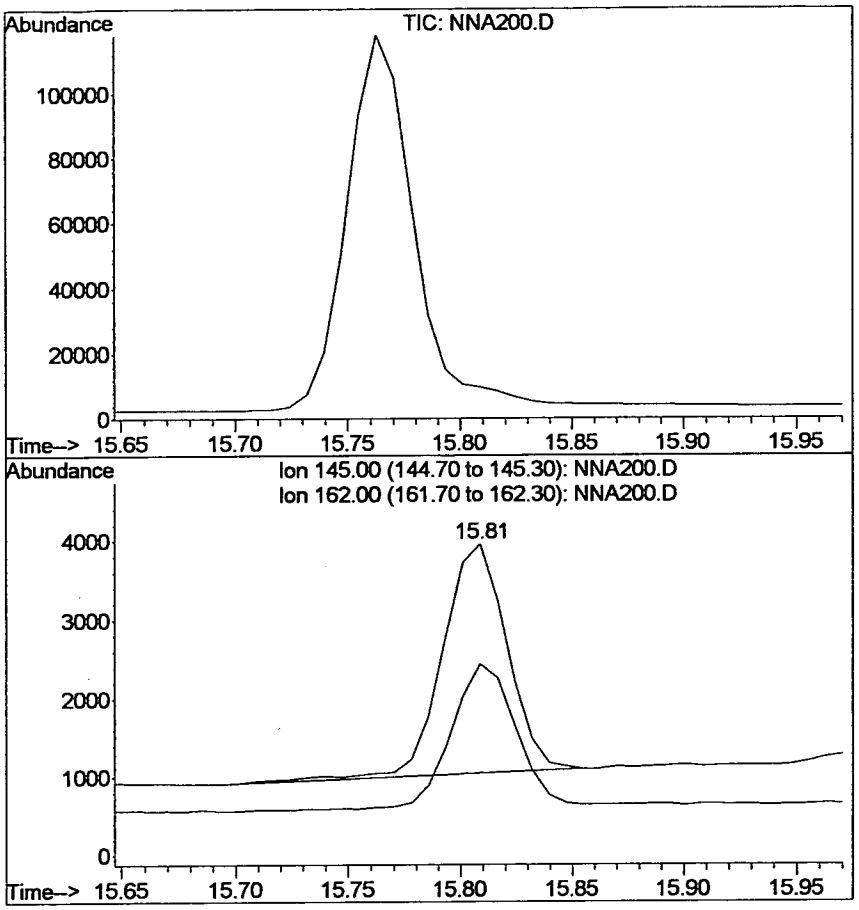
Ion	Ratio	Lower	Upper
113	100		
130	101.2	67.1	137.1



#4
NDEA
Concen: 200.72 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion:120 Resp: 126080

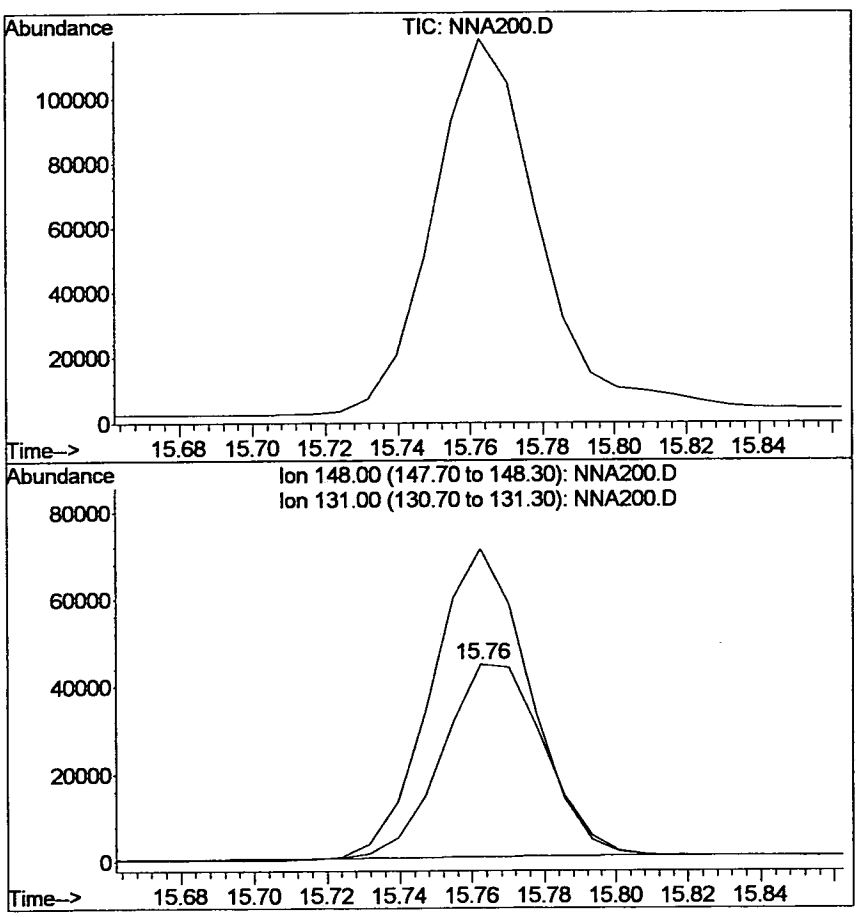
Ion	Ratio	Lower	Upper
120	100		
103	101.7	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion:145 Resp: 5851

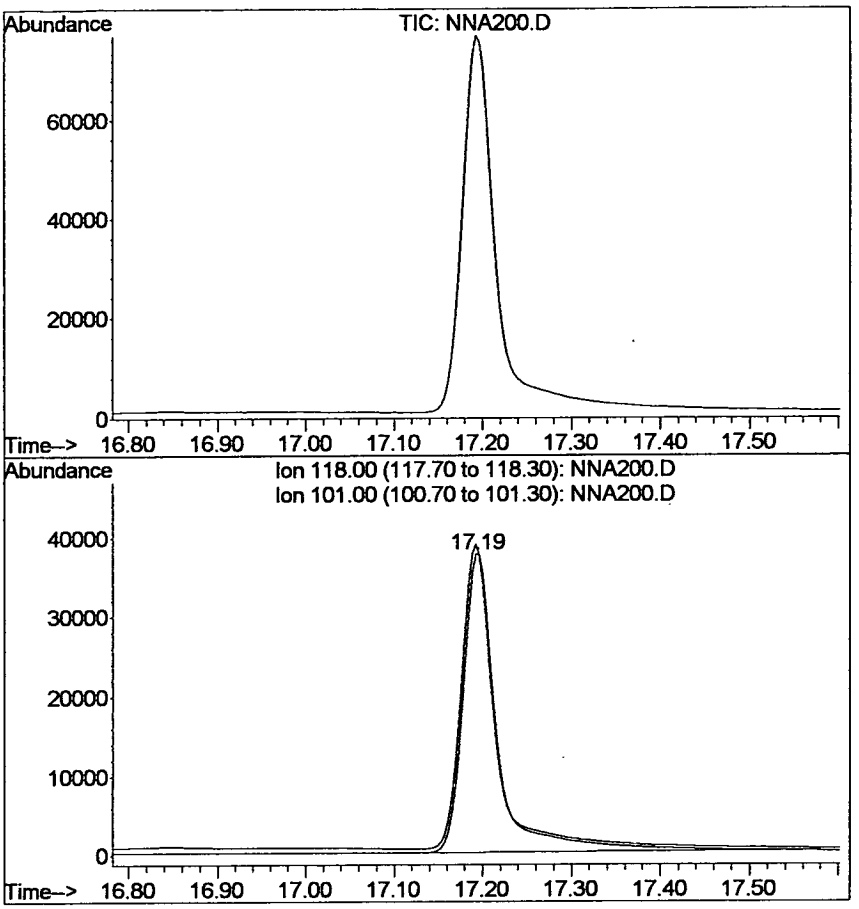
Ion	Ratio	Lower	Upper
145	100		
162	59.9	22.4	102.4



#6
NDPA
Concen: 175.29 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion:148 Resp: 86380

Ion	Ratio	Lower	Upper
148	100		
131	154.1	99.8	207.2



#7
NPYR
Concen: 214.63 PPB
RT: 17.19 min Scan# 1075
Delta R.T. -0.00 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion:118 Resp: 101631

Ion	Ratio	Lower	Upper
118	100		
101	100.1	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA002B.D Vial: 3
Acq On : 14 Jun 2007 2:58 pm Operator: DF/AI
Sample : 2ppb Std.# 7060219 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

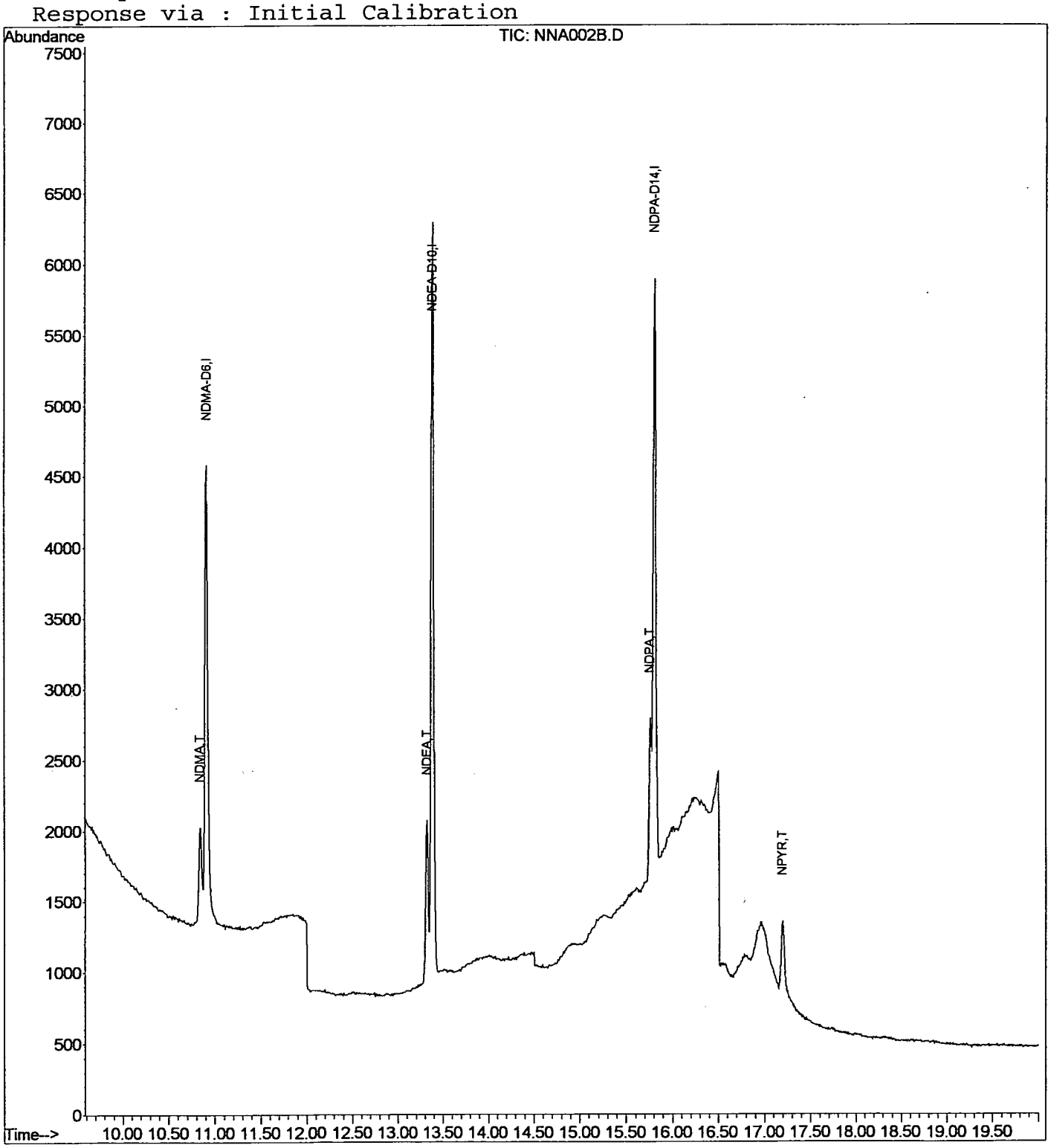
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	2696	10.00 PPB	0.00
3) NDEA-D10	13.37	113	5345	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5002	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	1094	2.02 PPB	99
4) NDEA	13.32	120	1163	2.04 PPB	100
6) NDPA	15.76	148	905	2.15 PPB	96
7) NPYR	17.20	118	640	1.58 PPB	98

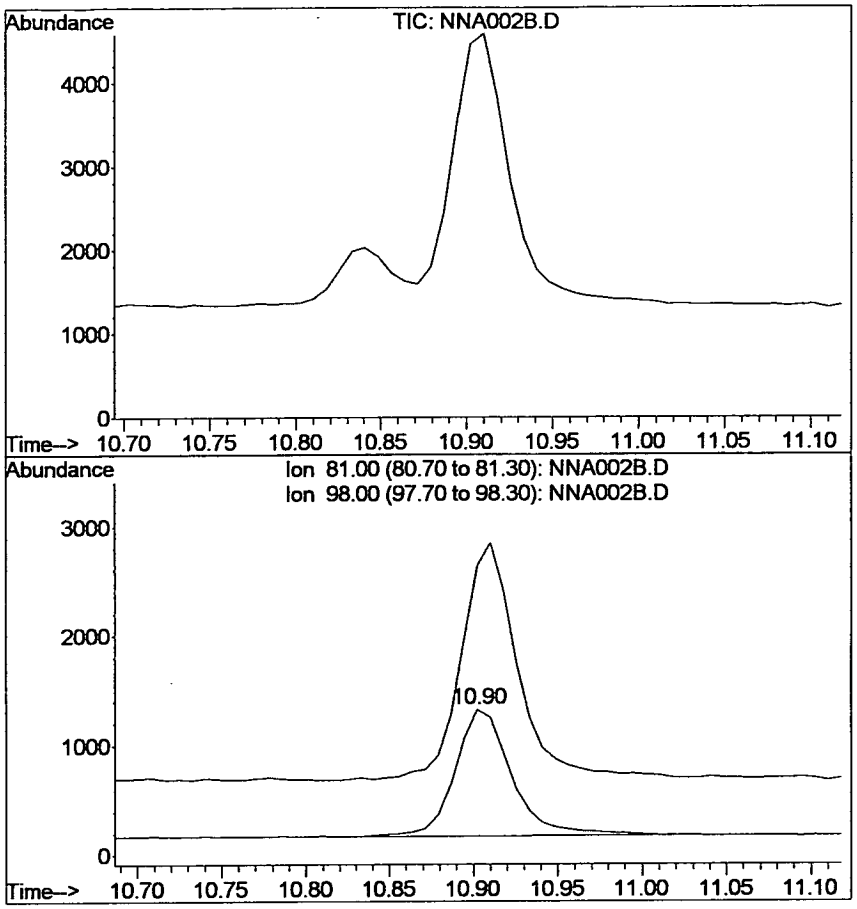
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA002B.D Vial: 3
Acq On : 14 Jun 2007 2:58 pm Operator: DF/AI
Sample : 2ppb Std.# 7060219 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 15:59:38 2007
Response via : Initial Calibration

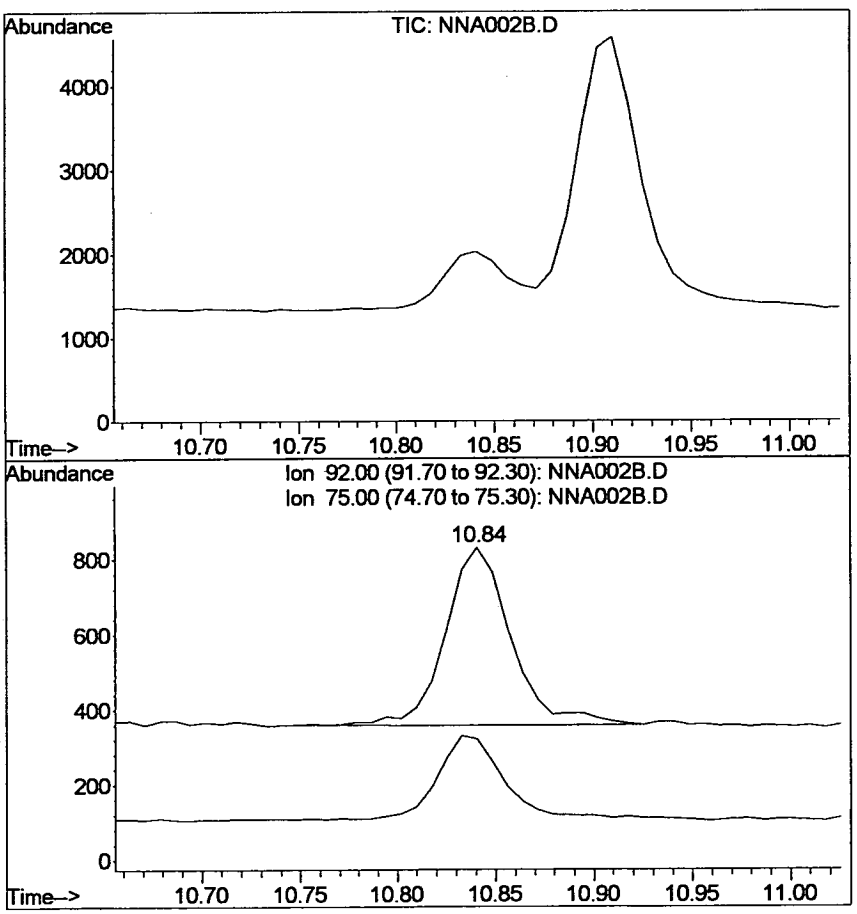




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion: 81 Resp: 2696

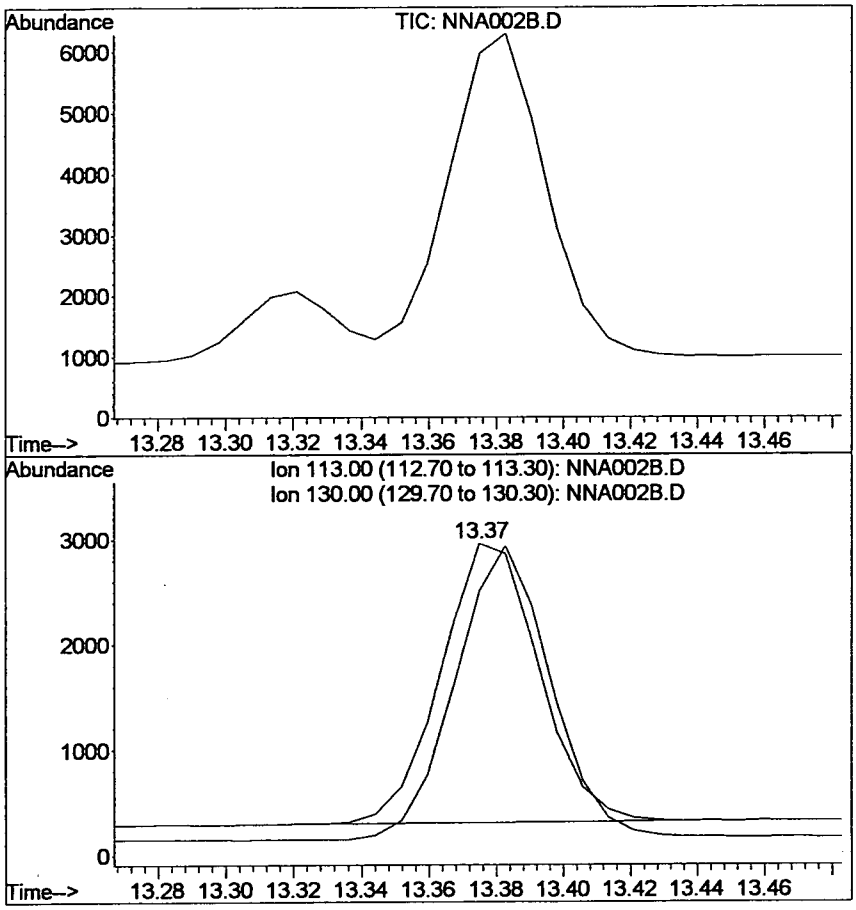
Ion	Ratio	Lower	Upper
81	100		
98	182.3	144.1	224.1



#2
NDMA
Concen: 2.02 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion: 92 Resp: 1094

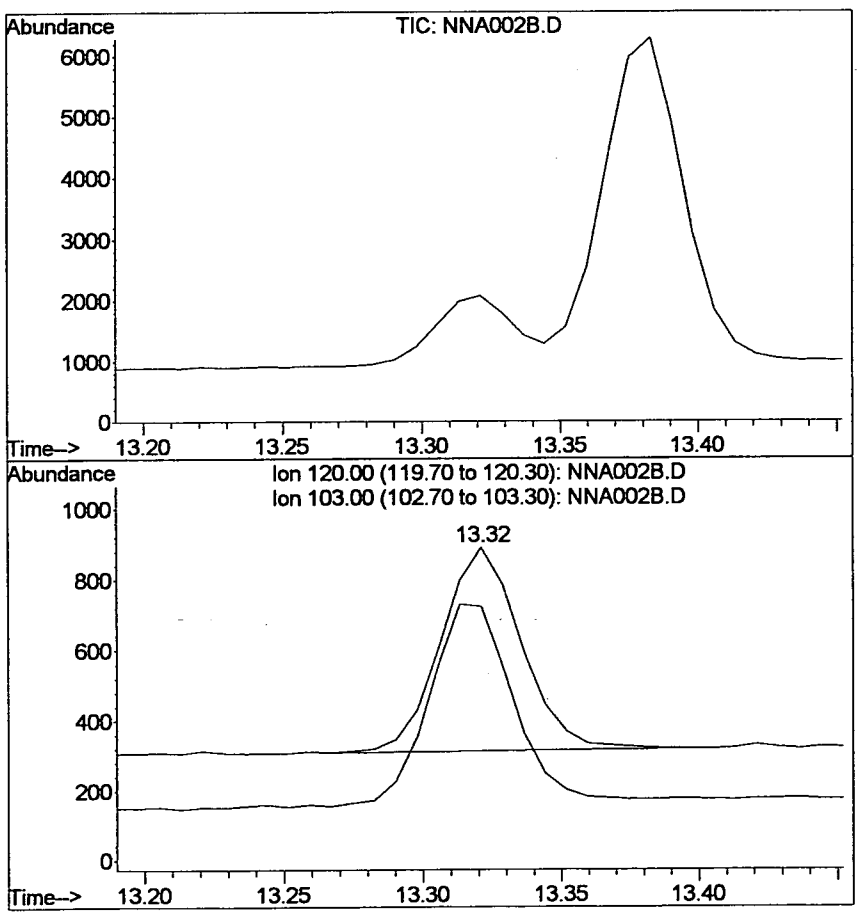
Ion	Ratio	Lower	Upper
92	100		
75	48.0	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion:113 Resp: 5345

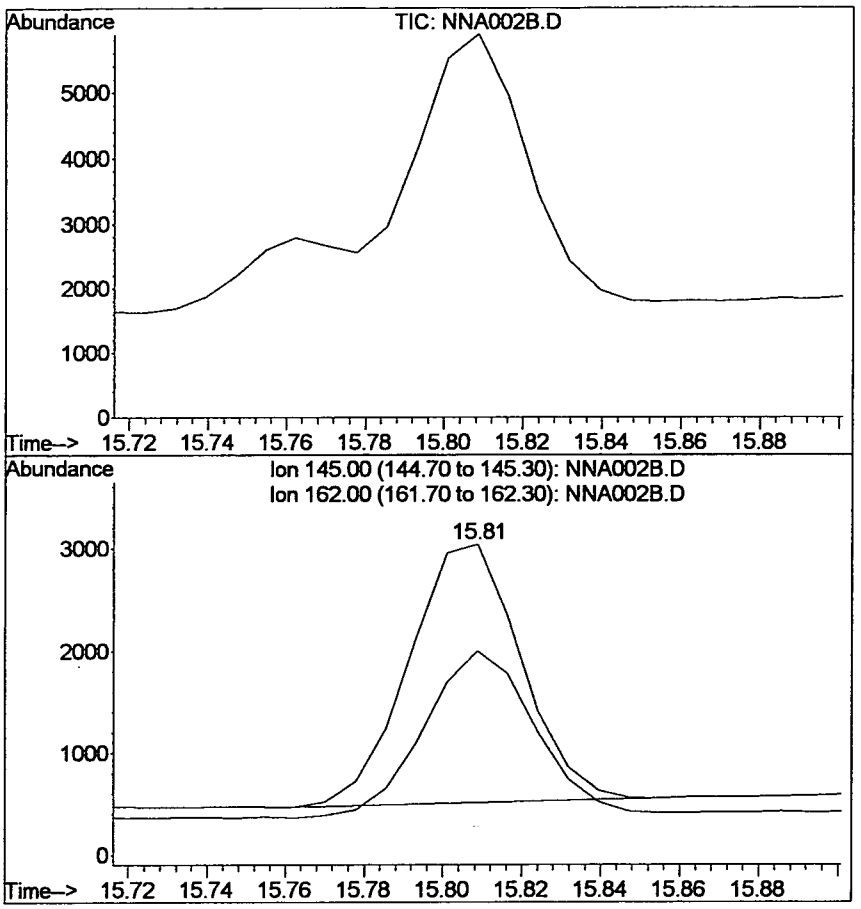
Ion	Ratio	Lower	Upper
113	100		
130	101.3	67.1	137.1



#4
NDEA
Concen: 2.04 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion:120 Resp: 1163

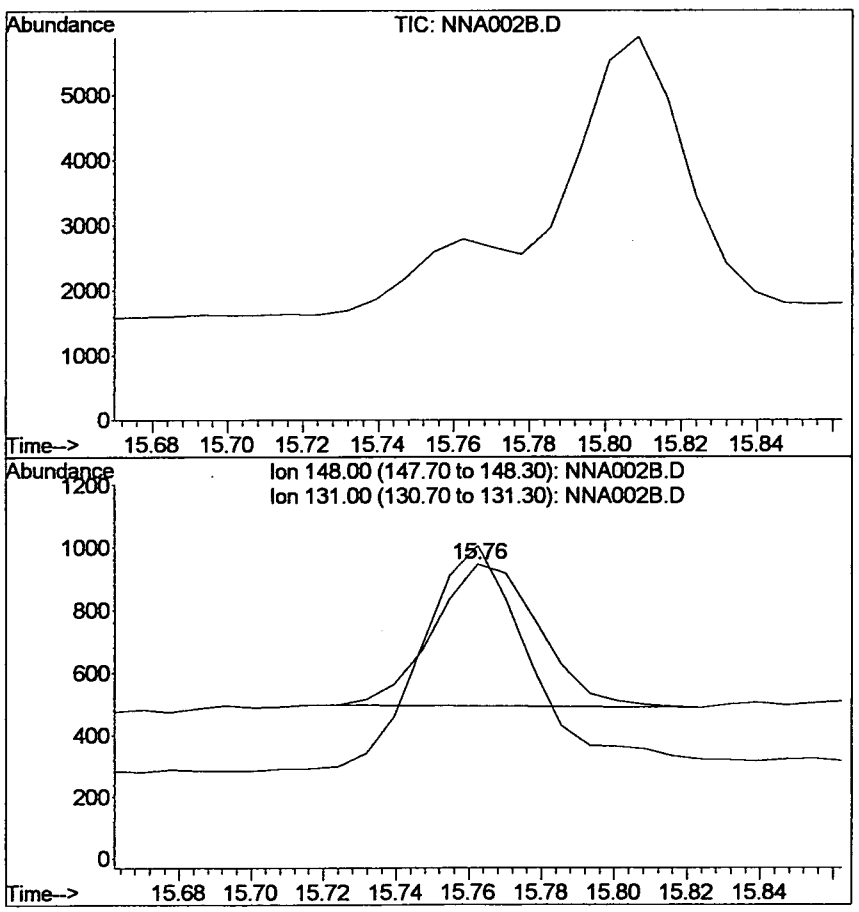
Ion	Ratio	Lower	Upper
120	100		
103	100.8	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion:145 Resp: 5002

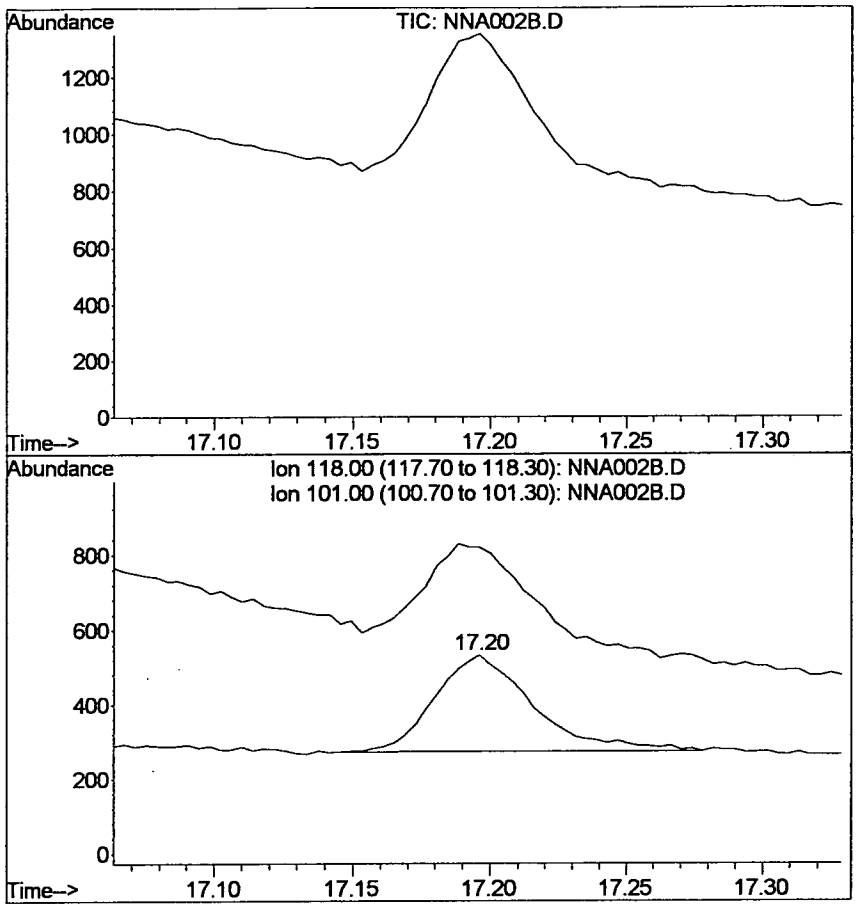
Ion	Ratio	Lower	Upper
145	100		
162	62.0	22.4	102.4



#6
NDPA
Concen: 2.15 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion:148 Resp: 905

Ion	Ratio	Lower	Upper
148	100		
131	159.1	99.8	207.2



#7
NPYR
Concen: 1.58 PPB
RT: 17.20 min Scan# 1076
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion:118 Resp: 640

Ion	Ratio	Lower	Upper
118	100		
101	97.8	62.6	130.0

Daily Midpoint Check
Nitrosamines by Method 1625C (Mod.)
Water Method
(Preextraction IS)

Data File: NLCS010.D Instrument: gcms37
Method File: ~~C7E29NWA~~ C7F14NW Date: 6/14/2007 12:21

Rev 7/31/07

Name	Conc.	Response	% Rec.	QC Limits
NDMA	10.00	9.93	99.3	(80-120)
NDEA	10.00	9.90	99.0	(80-120)
NDPA	10.00	11.50	115.0	(80-120)
NPYR	10.00	11.17	111.7	(80-120)

*Denotes value out of acceptance limit.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NLCS010.D Vial: 10
Acq On : 14 Jun 2007 12:21 pm Operator: DF/AI
Sample : 10ppb LCS # 7060264 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:31 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7E29NWA

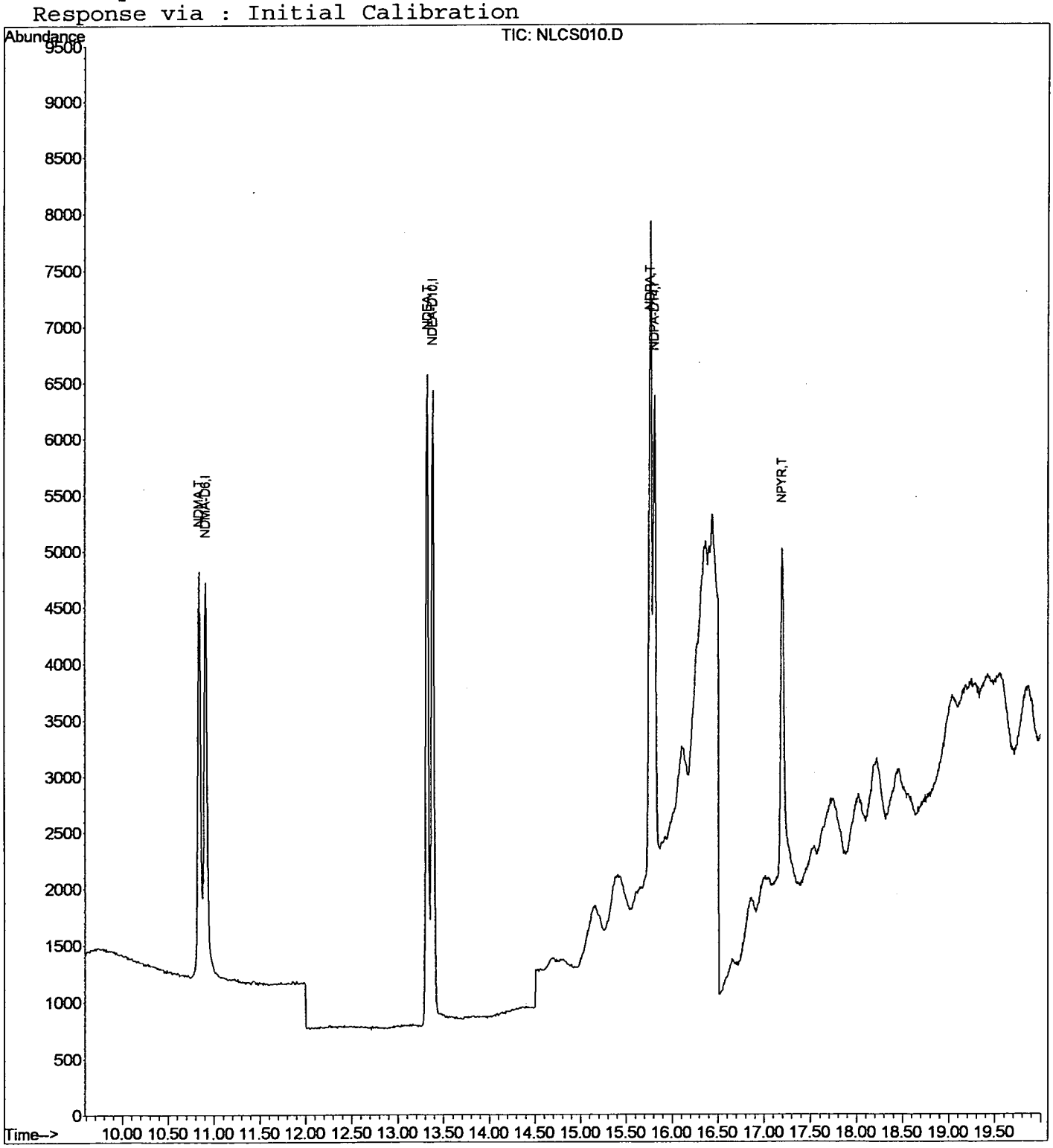
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2820	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5489	10.00	PPB	0.00
5) NDPA-D14	15.81	145	4947	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	5604	9.93	PPB	100
4) NDEA	13.32	120	5824	9.90	PPB	99
6) NDPA	15.76	148	4572	11.50	PPB	97
7) NPYR	17.20	118	4422	11.17	PPB	79

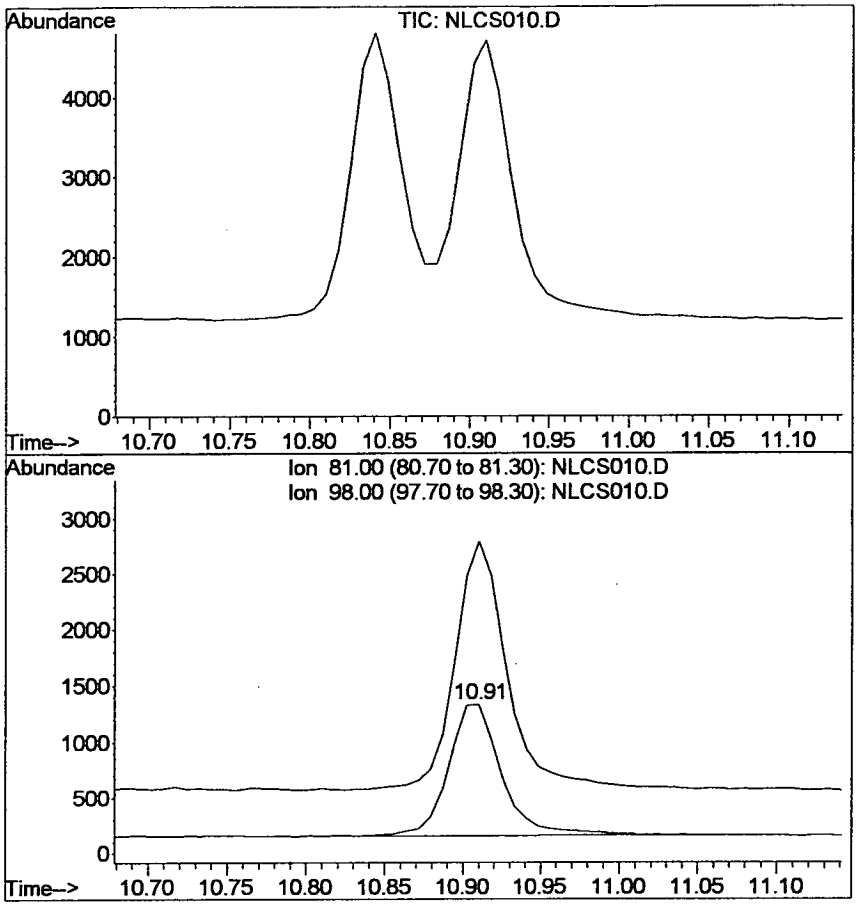
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NLCS010.D Vial: 10
Acq On : 14 Jun 2007 12:21 pm Operator: DF/AI
Sample : 10ppb LCS # 7060264 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:31 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

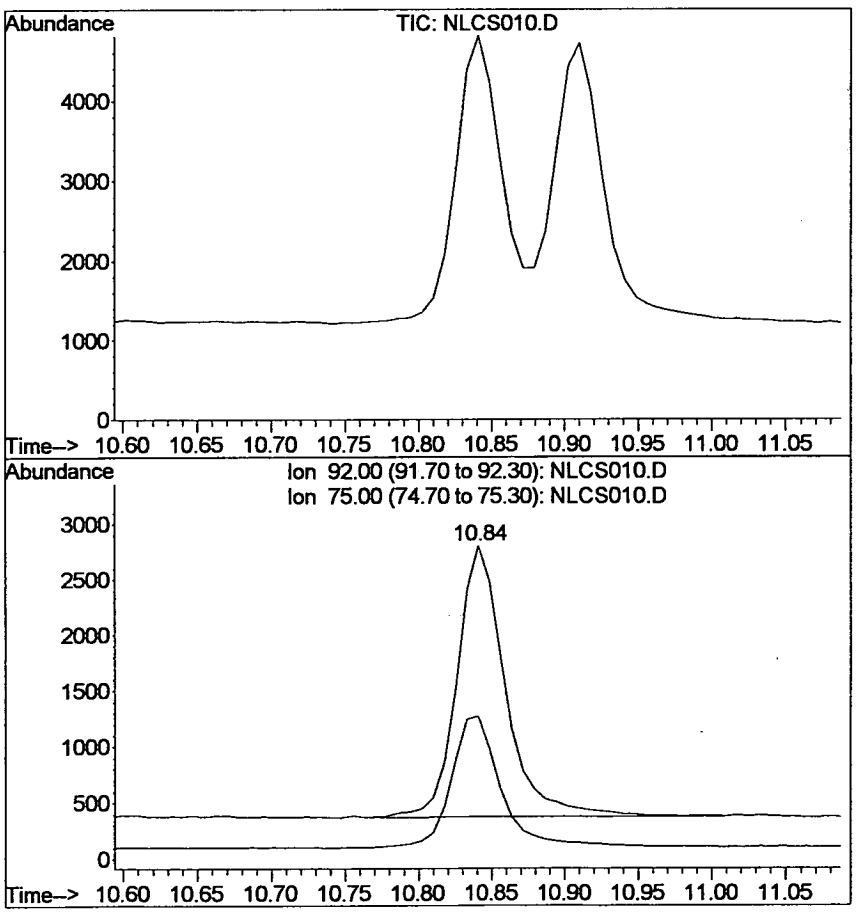




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion: 81 Resp: 2820

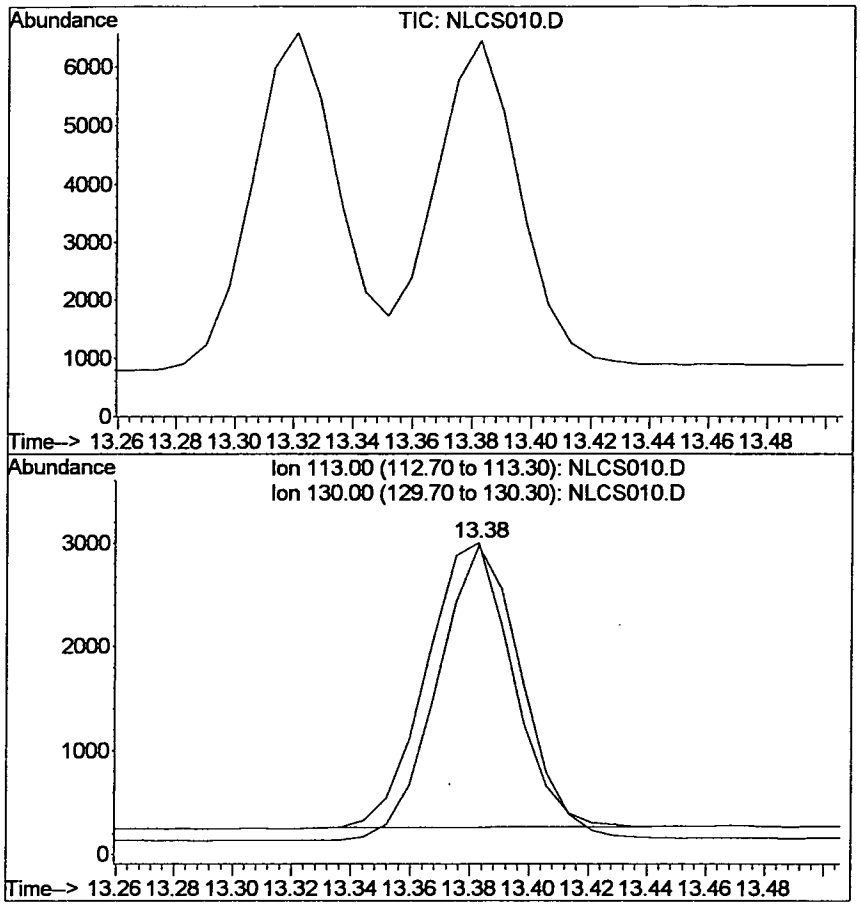
Ion	Ratio	Lower	Upper
81	100		
98	185.3	144.1	224.1



#2
NDMA
Concen: 9.93 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion: 92 Resp: 5604

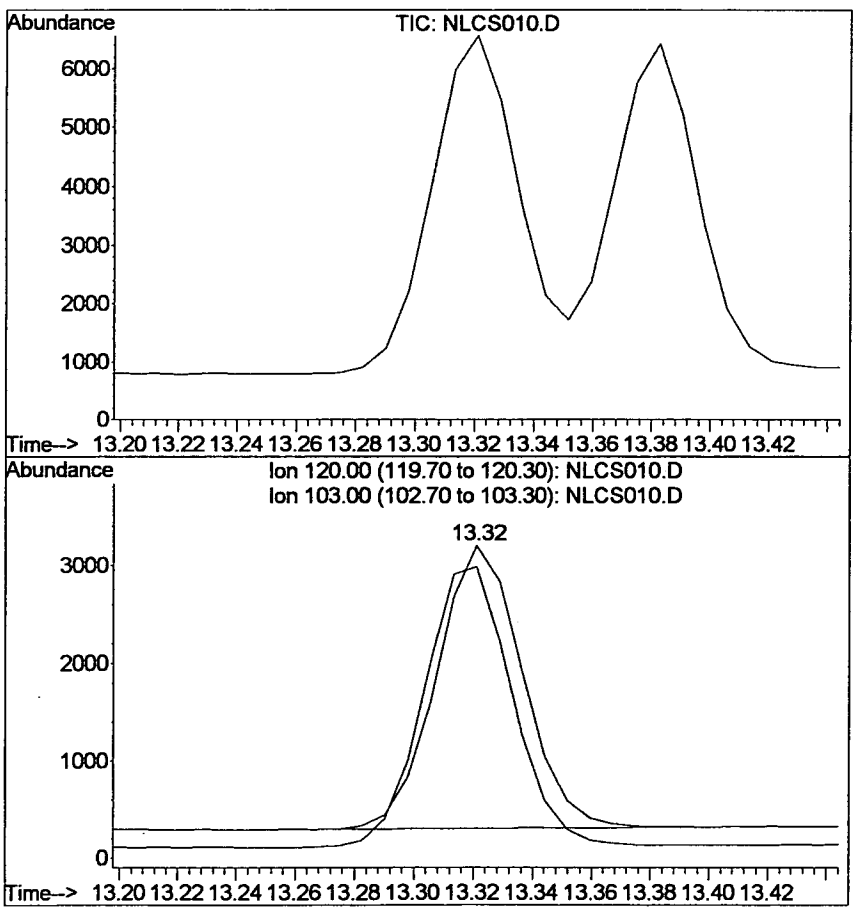
Ion	Ratio	Lower	Upper
92	100		
75	49.2	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion:113 Resp: 5489

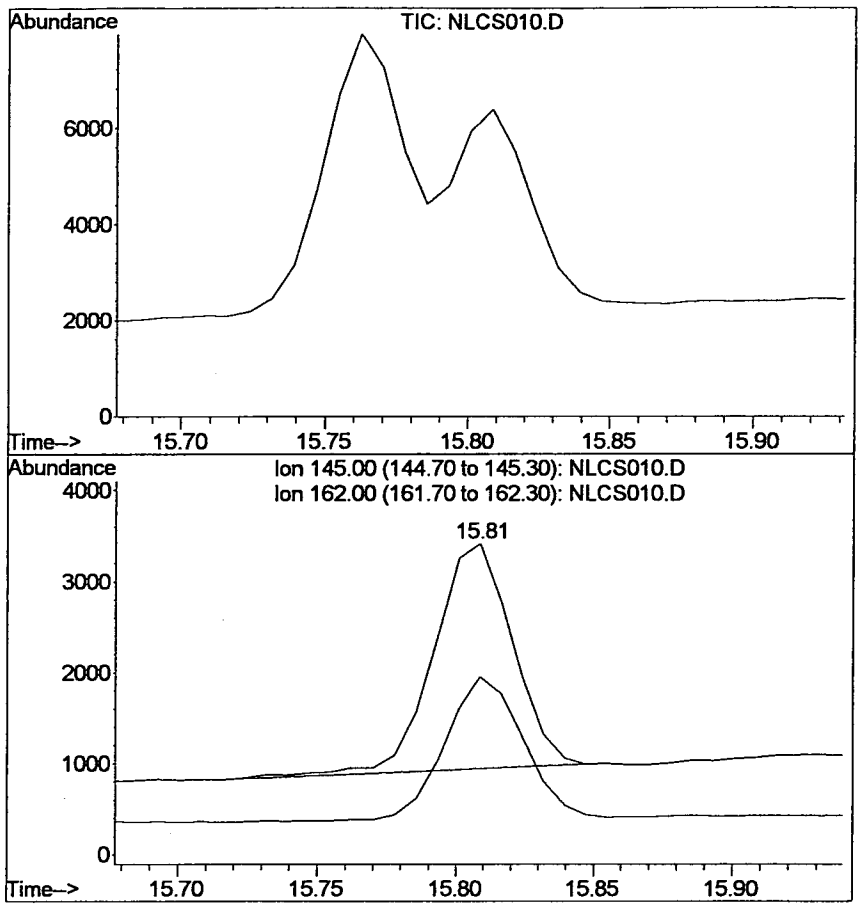
Ion	Ratio	Lower	Upper
113	100		
130	101.4	67.1	137.1



#4
NDEA
Concen: 9.90 PPB
RT: 13.32 min Scan# 486
Delta R.T. 0.00 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion:120 Resp: 5824

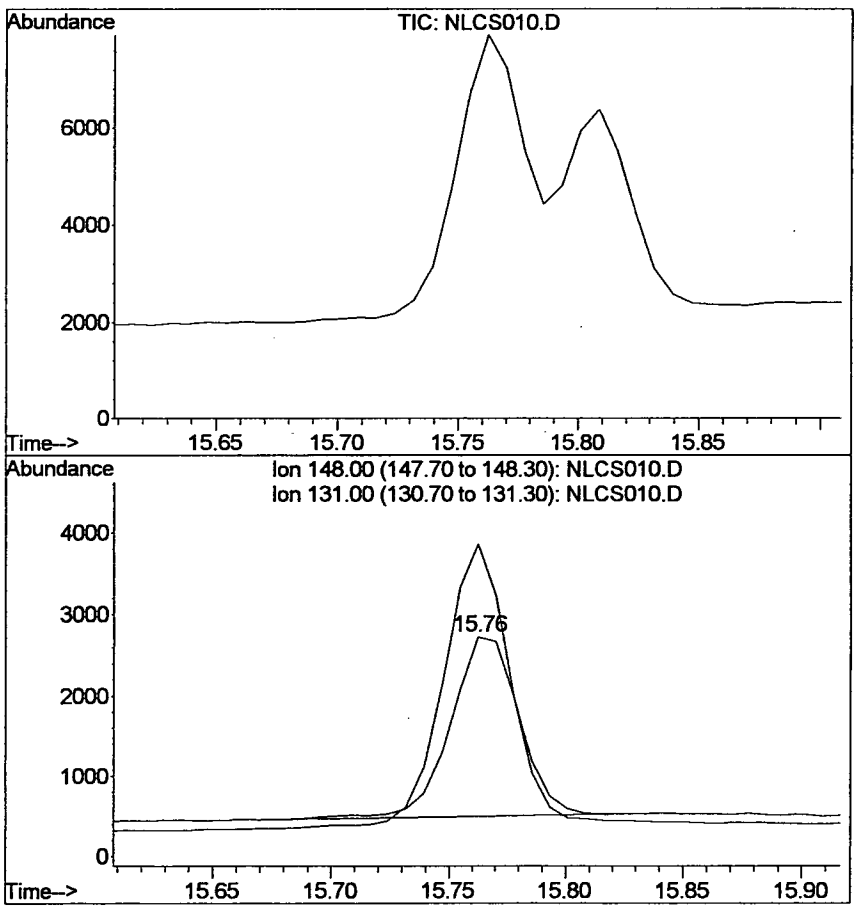
Ion	Ratio	Lower	Upper
120	100		
103	101.3	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion:145 Resp: 4947

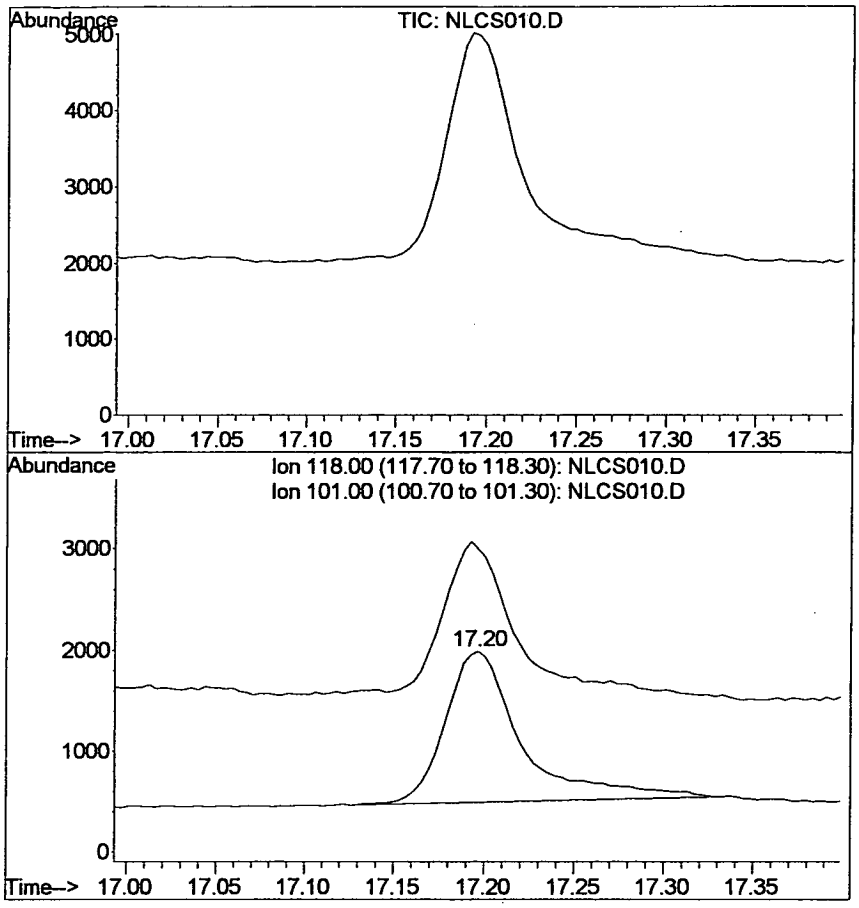
Ion	Ratio	Lower	Upper
145	100		
162	60.8	22.4	102.4



#6
NDPA
Concen: 11.50 PPB
RT: 15.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion:148 Resp: 4572

Ion	Ratio	Lower	Upper
148	100		
131	149.1	99.8	207.2



#7
NPYR
Concen: 11.17 PPB
RT: 17.20 min Scan# 1076
Delta R.T. 0.00 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion:118 Resp: 4422

Ion	Ratio	Lower	Upper
118	100		
101	75.9	62.6	130.0

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\07JUN14\NLCS010.D Vial: 10
Acq On : 14 Jun 2007 12:21 pm Operator: DF/AI
Sample : 10ppb LCS # 7060264 Inst : gcms37
Misc : n-Nitrosamines Water ICV Multiplr: 1.00
MS Integration Params: RTEINT2.P

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	NDMA-D6	1.000	1.000	0.0	100	0.00
2	T	NDMA	2.002	1.987	0.7	94	0.00
3	I	NDEA-D10	1.000	1.000	0.0	102	0.00
4	T	NDEA	1.072	1.061	1.0	96	0.00
5	I	NDPA-D14	1.000	1.000	0.0	101	0.00
6	T	NDPA	0.804	0.924	-14.9	100	0.00
7	T	NPYR	0.800	0.894	-11.7	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
NLCS010.D C7F14NW.M Thu Jun 14 16:31:45 2007 Page 1

GC/MS DAILY LOG SUMMARY

DATE: 07/17/07 DATAFILE C:\MSDCHEM\1 \DATA\070717

ANALYST: KS /LB GCM # 37 EPA METHOD: n-Nitrosamines-1625

#	SAMPLE NAME	Dil	FILENAME	S/W	CLIENT	Prep	Batch #	Posted	Rev'd	Comments
1	ICV STANDARD	***	NNA010	***	*****	IS area:				Gas off
2	ICV STANDARD	-	NNA010A	-	-	-				failed
3	ICV STANDARD	-	NNA010B	-	-	ISOMEQ: 28112				
4	7G16057-BLK1	-	60717001	W	-	KS	16057	LB 7-18-07	7/18/07	
5	-BS1	-	02		-					
6	-BS2	-	03		-					
7	1Q60879-01	-	04		-					
8	7G16057-MS1	-	05		-					
9	-MSD1	-	06		-					
10	1Q60865-02	-	07		-					
11	-03	-	08		-					
12	-04	-	09		-					
13	-06	-	10		-					
14	-07	-	11		-					
15	-08	-	12		-					
16	1Q60879-02	-	13		-					
17	-03	-	14		-					
18	-04	-	15		-					
19	1Q61031-01	-	16		-					
20	-02	-	17		-					
21	-03	-	18		-					
22	-04	-	19		-					
23	-05	-	20		-					
24	1Q61041-03	-	21		-					
25	-04	-	22		-					
26	-05	-	23		-					
27	Na_2SO_4 Lot Test	-	24		-		-	Submitted to QA		Lot# E07629
28										
29										
30										

Standard Code: 7060221

Methylene Chloride Lot#: 072334

PREPARATION BENCH SHEET

7G16057

TestAmerica - Irvine, CA

Printed: 7/17/2007 4:09:24PM

Matrix: Water

Prepared using: Extractions - EPA 3520C

Surrogate used: 7060499

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	ul Surrogate	Initials	Extraction Comments
7G16057-BLK1		QC	07/16/07 08:37	1000	1			0	100	MM	
7G16057-BS1		QC	07/16/07 08:37	1000	1		7030370	250	100		
7G16057-BS2		QC	07/16/07 08:37	1000	1		7030370	50	100		
7G16057-MS1		QC	07/16/07 08:37	930	1	IQG0879-01	7030370	250	100		
7G16057-MSD1		QC	07/16/07 08:37	930	1	IQG0879-01	7030370	250	100		
IQG0865-02	H	NDMA-1625C Mod	07/16/07 08:37	1040	1				100		pH=7
IQG0865-03	H	NDMA-1625C Mod	07/16/07 08:37	1055	1				100		pH=7
IQG0865-04	H	NDMA-1625C Mod	07/16/07 08:37	1060	1				100		pH=7
IQG0865-06	H	NDMA-1625C Mod	07/16/07 08:37	1040	1				100		pH=7
IQG0865-07	H	NDMA-1625C Mod	07/16/07 08:37	1060	1				100		pH=7
IQG0865-08	H	NDMA-1625C Mod	07/16/07 08:37	1030	1				100		pH=7
IQG0879-01	N	NDMA-1625C Mod	07/16/07 08:37	950	1				100		pH=7
IQG0879-02	G	NDMA-1625C Mod	07/16/07 08:37	930	1				100		pH=7
IQG0879-03	G	NDMA-1625C Mod	07/16/07 08:37	920	1				100		pH=7
IQG0879-04	G	NDMA-1625C Mod	07/16/07 08:37	1050	1				100		pH=7
IQG1031-01	G	NDMA-1625C Mod	07/16/07 08:37	1015	1				100		pH=7
IQG1031-02	G	NDMA-1625C Mod	07/16/07 08:37	970	1				100		pH=7
IQG1031-03	G	NDMA-1625C Mod	07/16/07 08:37	1020	1				100		pH=7
IQG1031-04	G	NDMA-1625C Mod	07/16/07 08:37	1060	1				100		pH=7
IQG1031-05	G	NDMA-1625C Mod	07/16/07 08:37	1030	1				100		pH=7

Spiking Witnessed By Date

MM Preparation Reviewed By 7/17/07 Date

Extracts Received By 7/18/07 Date

PREPARATION BENCH SHEET

7G16057

TestAmerica - Irvine, CA

Printed: 7/17/2007 4:09:24PM

Matrix: Water

Prepared using: Extractions - EPA 3520C

Surrogate used: 7060499

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	ul Surrogate	Initials	Extraction Comments
IQG1041-03	H	NDMA-1625C Mod	07/16/07 08:37	1060	1				100	MM	pH=7
IQG1041-04	H	NDMA-1625C Mod	07/16/07 08:37	1055	1				100	↓	pH=7
IQG1041-05	H	NDMA-1625C Mod	07/16/07 08:37	1055	1				100	↓	pH=7

Reagents used in Batch

Reagent	Description	Solvent

MeCl2 Fisher 067673
NaOH JTB C11676
Na2SO4 EMD 46361707
HPLC H2O Fisher 064074

Base Heat Start 7/16/07 @ 1420
Stop 7/17/07 @ 0900

Spiking Witnessed By Date

MM Preparation Reviewed By 7/17/07 Date

Extracts Received By Date

87

PREPARATION BENCH SHEET

7G16057

TestAmerica - Irvine, CA

Printed: 7/16/2007 9:03:17AM

7060499

~~(No Surrogate)~~

Matrix: Water

Prepared using: Extractions - EPA 3520C

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	ul Surrogate	Initials	Extraction Comments
7G16057-BLK1		QC	07/16/07 08:37	1000	1			0	100	MM	
7G16057-BS1		QC	07/16/07 08:37	1000	1		703370	250			
7G16057-BS2		QC	07/16/07 08:37	1000	1			500			
7G16057-MS1		QC	07/16/07 08:37	930 ~~1000~~	1	879-01		250			
7G16057-MSD1		QC	07/16/07 08:37	930 ~~1000~~	1	879-01		250			
IQG0865-02	H	NDMA-1625C Mod	07/16/07 08:37	1040 ~~1000~~	1						PH = 7
IQG0865-03	H	NDMA-1625C Mod	07/16/07 08:37	1055 ~~1000~~	1						PH = 7
IQG0865-04	H	NDMA-1625C Mod	07/16/07 08:37	1060 ~~1000~~	1						PH = 7
IQG0865-06	H	NDMA-1625C Mod	07/16/07 08:37	1040 ~~1000~~	1						PH = 7
IQG0865-07	H	NDMA-1625C Mod	07/16/07 08:37	1060 ~~1000~~	1						PH = 7
IQG0865-08	H	NDMA-1625C Mod	07/16/07 08:37	1030 ~~1000~~	1						PH = 7
IQG0879-01	N	NDMA-1625C Mod	07/16/07 08:37	920 ~~1000~~	1						PH = 7
IQG0879-02	G	NDMA-1625C Mod	07/16/07 08:37	920 ~~1000~~	1						PH = 7
IQG0879-03	G	NDMA-1625C Mod	07/16/07 08:37	920 ~~1000~~	1						PH = 7
IQG0879-04	G	NDMA-1625C Mod	07/16/07 08:37	1030 ~~1000~~	1						PH = 7
IQG1031-01	G	NDMA-1625C Mod	07/16/07 08:37	1015 ~~1000~~	1						PH = 7
IQG1031-02	G	NDMA-1625C Mod	07/16/07 08:37	970 ~~1000~~	1						PH = 7
IQG1031-03	G	NDMA-1625C Mod	07/16/07 08:37	1020 ~~1000~~	1						PH = 7
IQG1031-04	G	NDMA-1625C Mod	07/16/07 08:37	1060 ~~1000~~	1						PH = 7
IQG1031-05	G	NDMA-1625C Mod	07/16/07 08:37	1030 ~~1000~~	1						PH = 7

MM 7/16/07

Spiking Witnessed By (Date)

Preparation Reviewed By Date

Extracts Received By Date

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PREPARATION BENCH SHEET

7G16057

TestAmerica - Irvine, CA

Printed: 7/16/2007 9:03:17AM

7060499

~~(No Surrogate)~~

Matrix: Water

Prepared using: Extractions - EPA 3520C

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	ul Surrogate	Initials		Extraction Comments
IQG1041-03	H	NDMA-1625C Mod	07/16/07 08:37	~~1000~~ 1068	1				100	MM		pH = 7
IQG1041-04	H	NDMA-1625C Mod	07/16/07 08:37	~~1000~~ 1055	1				↓	↓		pH = 7
IQG1041-05	H	NDMA-1625C Mod	07/16/07 08:37	~~1000~~ 1055	1				↓	↓		pH = 7

$MeCl_2$ Fisher 067673

NaOH JTB C11676

Na_2SO_4 EMD 46361707

HPLC H_2O Fisher 064074

Base Heat Start 7/16/07 @ 1420

Stop 7/17/07 @ 0900

MM 7/16/07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\07JUL17\NNA010B.D
Tune Time : 17 Jul 2007 5:04 pm

Daily Calibration File : C:\MSDCHEM\1\DATA\07JUL17\NNA010B.D

File	Sample	Internal Standard Responses		
		2812	5307	5587
C0717001.D	7G16057-BLK1	2689	5445	5806
C0717002.D	7G16057-BS1	2443	5224	5789
C0717003.D	7G16057-BS2	2499	5228	5234
C0717004.D	IQG0879-01	2977	6012	6547
C0717005.D	7G16057-MS1	2309	5003	5190
C0717006.D	7G16057-MSD1	2596	5503	5673
C0717007.D	IQG0865-02	2439	4967	5335
C0717008.D	IQG0865-03	2713	5667	6092
C0717009.D	IQG0865-04	2263	4703	5047
C0717010.D	IQG0865-06	2550	5267	5309
C0717011.D	IQG0865-07	2404	5417	5646
C0717012.D	IQG0865-08	2402	5060	5372
C0717013.D	IQG0879-02	2845	5983	6455
C0717014.D	IQG0879-03	2963	6277	6548
C0717015.D	IQG0879-04	2431	5252	5551
C0717016.D	IQG1031-01	2610	5561	6001
C0717017.D	IQG1031-02	2702	5819	6213
C0717018.D	IQG1031-03	2784	5942	6377
C0717019.D	IQG1031-04	2665	5939	6436
C0717020.D	IQG1031-05	2618	5849	6828
C0717021.D	IQG1041-03	2896	296729*	7501
C0717022.D	IQG1041-04	2361	4916	5660
C0717023.D	IQG1041-05	2746	5817	6043
C0717024.D	Na2SO4 Lot#E	2628	5504	5560

- fails 12hr time check * - fails criteria

Created: Thu Aug 09 11:41:54 2007 gcms37

Daily Midpoint Check
Nitrosamines by Method 1625C (Mod.)
Water Method
(Preextraction IS)

Data File: NNA010B.D
Method File: C7F14NW

Instrument: gcms37
Date: 7/17/2007 17:04

Name	Conc.	Response	% Rec.	QC Limits
NDMA	10.00	10.07	100.7	(80-120)
NDEA	10.00	10.32	103.2	(80-120)
NDPA	10.00	9.39	93.9	(80-120)
NPYR	10.00	8.57	85.7	(80-120)

*Denotes value out of acceptance limit.

GCMS DATA CHECK LIST
EPA 1625C MOD - N-NITROSODIMETHYLAMINE Analysis

2nd Level Review:	[illegible]	Analyst:	LB
Date:	7/18/07	Analysis Date:	07-17-07
QC Batches:	7G16057	GCMS #:	37

2nd Level Rev	Analyst Rev	
		CH4 CI-Autotune :
✓	✓	• At least weekly
✓	✓	• Peak shape: well defined at mass 41, 267 and 599
✓	✓	• Peak width: 0.45 to 0.54
✓	✓	• Sufficient abundance: 400,000 to 700,000 counts
		Calibration :
✓	✓	• Minimum 5-point calibration – lowest standard at RL
✓	✓	• RSD of RF <=20%
		Mid-point verification (ICV/CCV @ 10 ug/l) :
✓	✓	• 2nd source after initial calibration. %Recovery : <= ±20
✓	✓	• Daily: Every 12-hour shift. % Difference : <= ±20 (relative to initial calibration)
✓	✓	• IS areas : -50% to +100% (relative to initial calibration m-p. std)
✓	✓	**Method blank :** every extraction batch of 20 samples (< 0.5 ng/L or flag accordingly)
✓	✓	**LCS :** every extraction batch of 20 samples or less . % Rec <= ±30 (or in-house limits)
✓	✓	**MS/MSD :** every extraction batch of 20 samples or less (checked against in-house limits)
		All samples check for :
✓	✓	• Unit, Dilution Factor
✓	✓	• Manual Integration, Transcription Errors, Calculations
✓	✓	• Spectra Match
✓	✓	• IS area and retention time
✓	✓	• All samples analyzed within tuning period (12hr)
✓		GCMS Initial Calibration Criteria Form attached (if averaged calibration RFs used)
✓	✓	Mint Miner Check
✓	✓	Corrective Action Report attached (if applicable)

Comments:

G:\Depts\Quality\Data_rev\chklist\GCMS\8270_NDMA_chk.doc
Rev 06/20/03

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\NNA010B.D Vial: 1
Acq On : 17 Jul 2007 5:04 pm Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines water Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 17:30 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2812	10.00	PPB	0.00
3) NDEA-D10	13.39	113	5307	10.00	PPB	0.02
5) NDPA-D14	15.82	145	5587	10.00	PPB	0.00

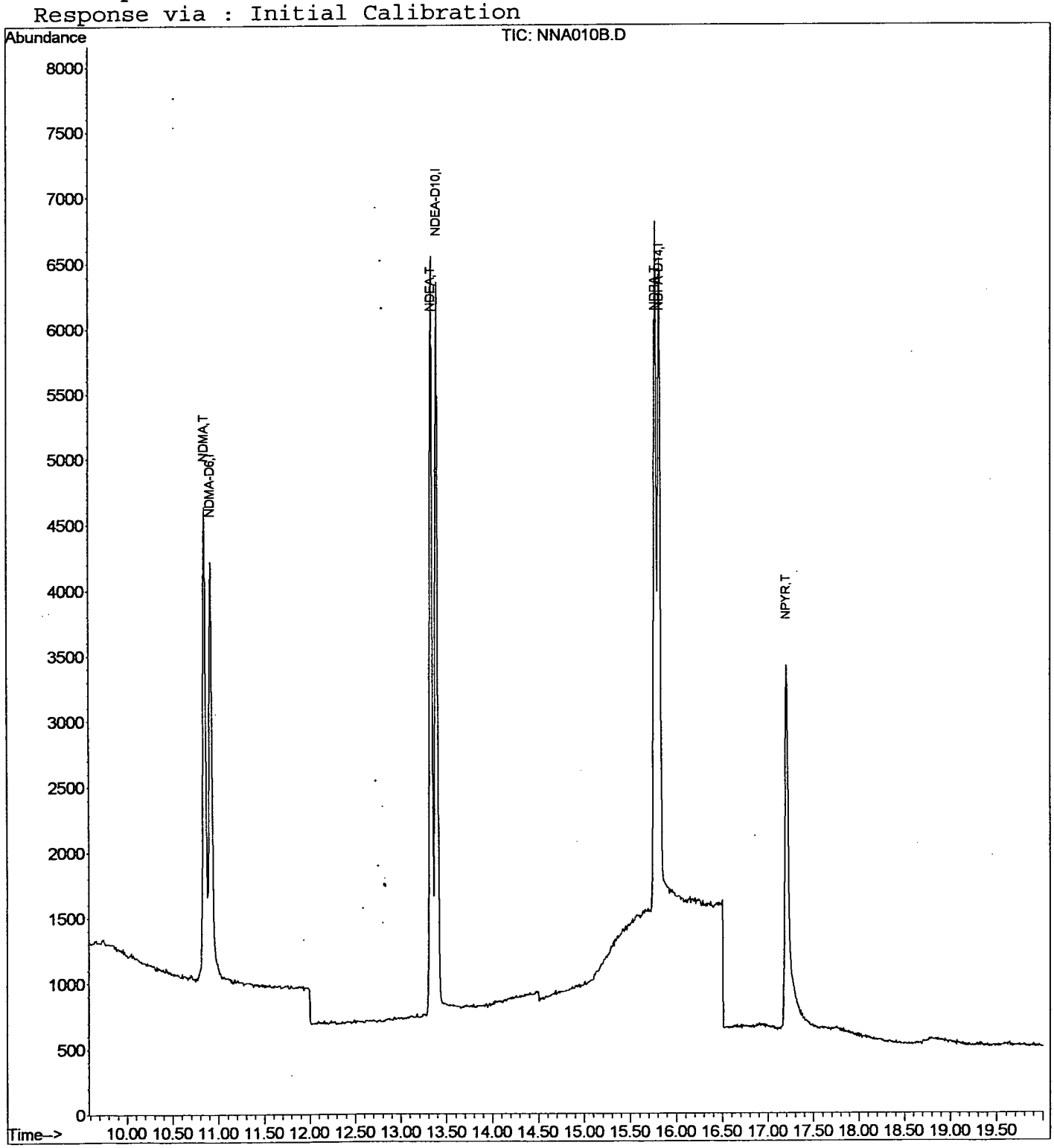
Target Compounds						Qvalue
2) NDMA	10.85	92	5670	10.07	PPB	98
4) NDEA	13.33	120	5870	10.32	PPB	96
6) NDPA	15.77	148	4219	9.39	PPB	97
7) NPYR	17.20	118	3831	8.57	PPB	96

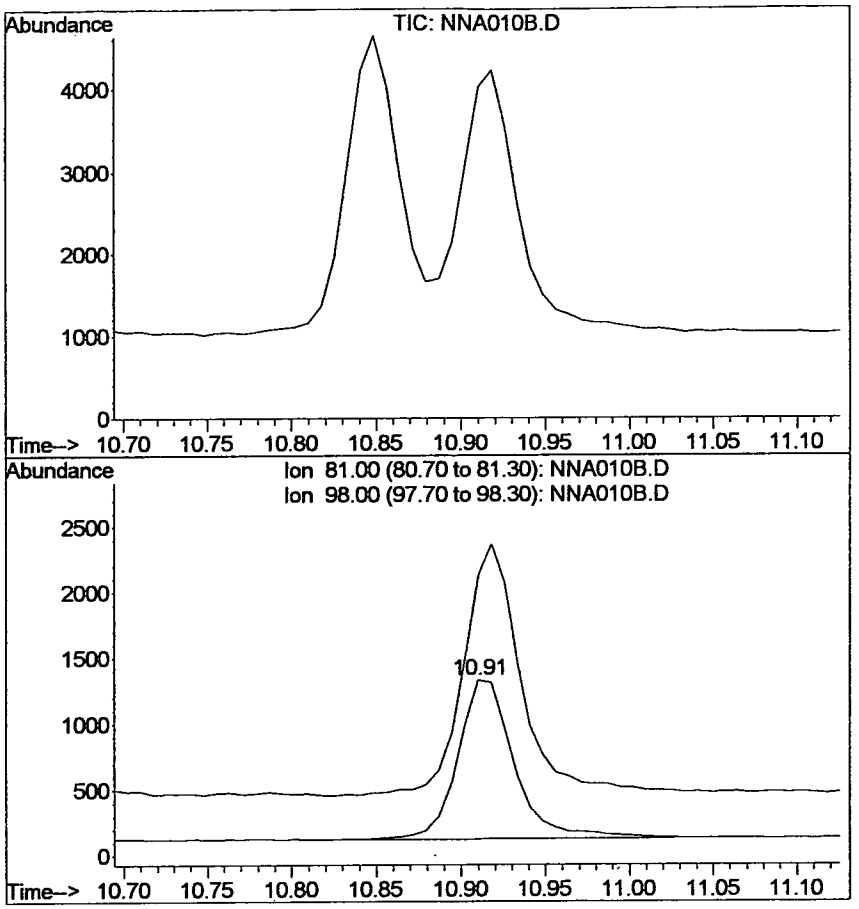
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\NNA010B.D
Vial: 1
Acq On : 17 Jul 2007 5:04 pm
Operator: DF/AI
Sample : 10ppb Std.# 7060221
Inst : gcms37
Misc : n-Nitrosamines water
Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 17:30 2007
Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

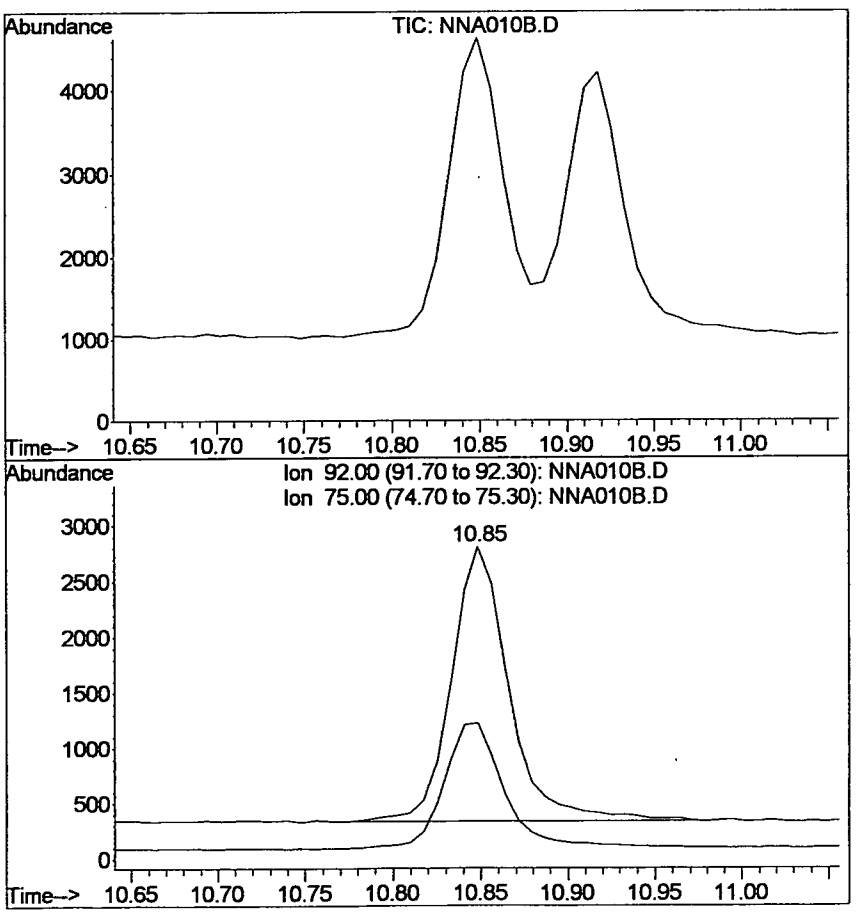




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion: 81 Resp: 2812

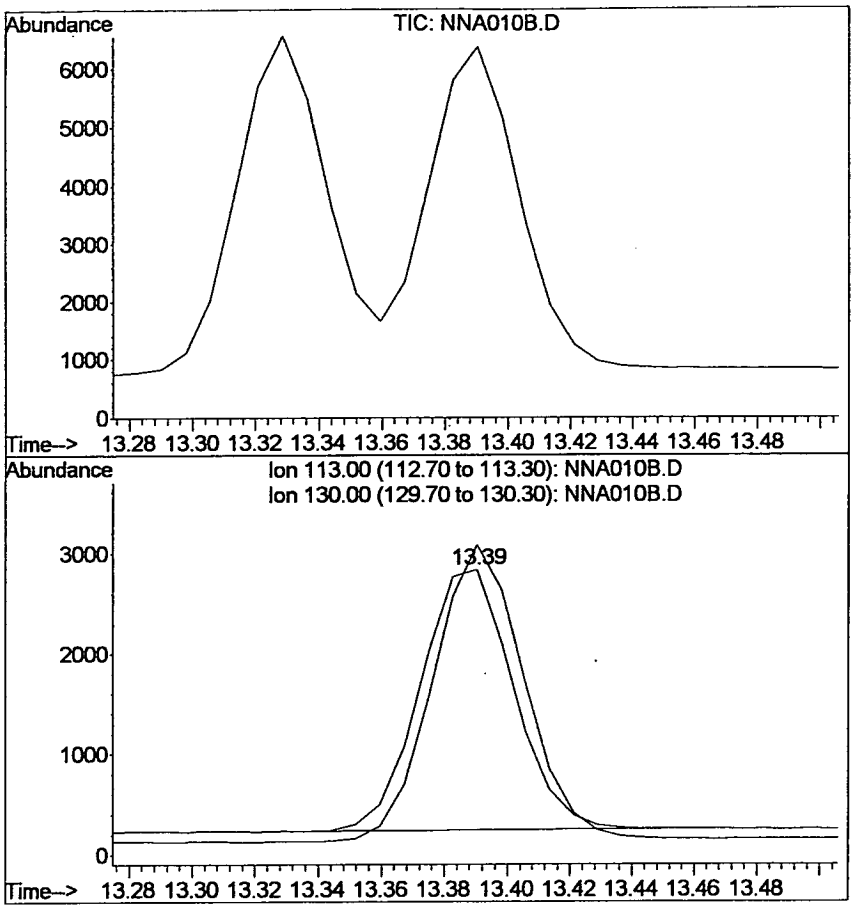
Ion	Ratio	Lower	Upper
81	100		
98	157.9	144.1	224.1



#2
NDMA
Concen: 10.07 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion: 92 Resp: 5670

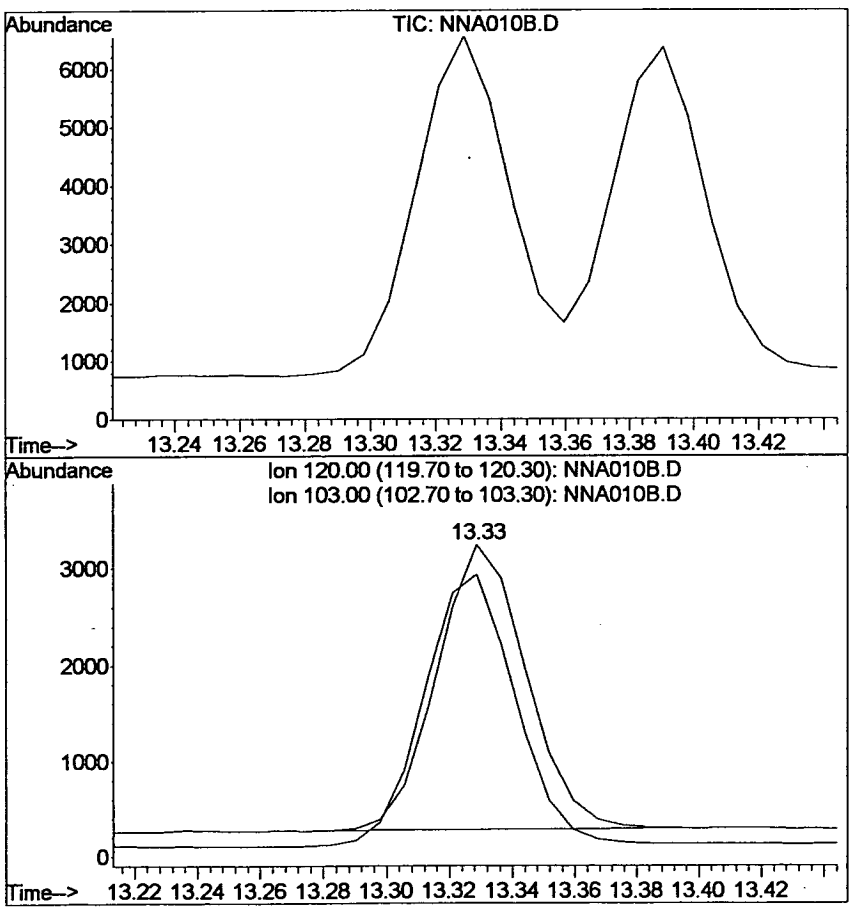
Ion	Ratio	Lower	Upper
92	100		
75	47.8	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion:113 Resp: 5307

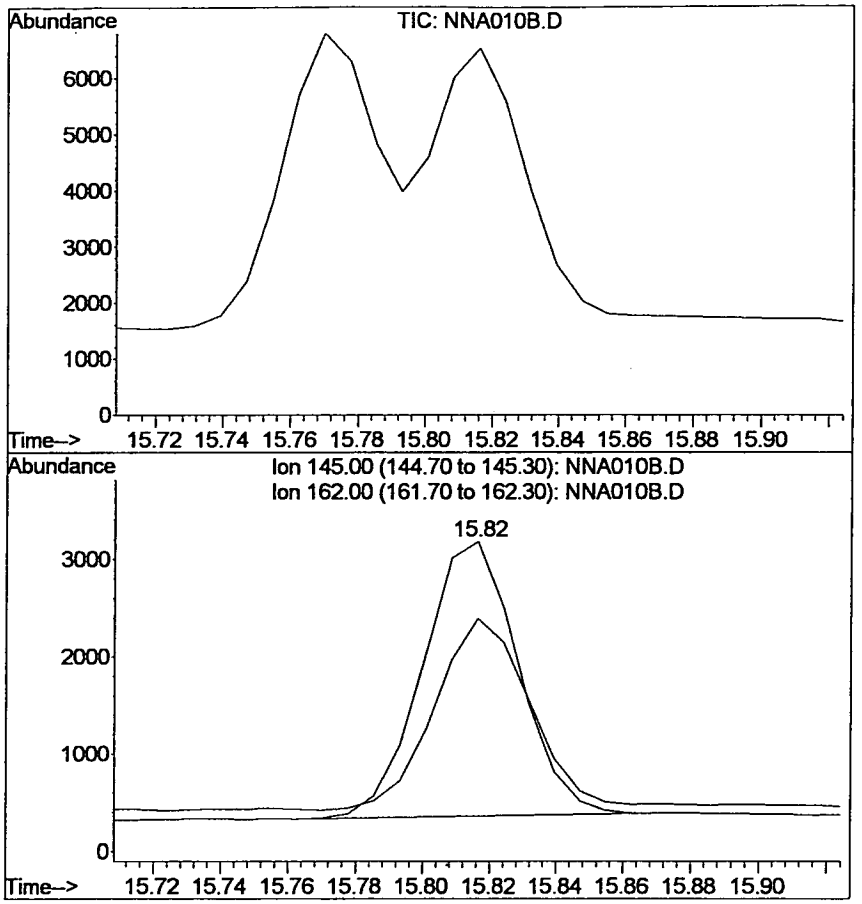
Ion	Ratio	Lower	Upper
113	100		
130	110.6	67.1	137.1



#4
NDEA
Concen: 10.32 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion:120 Resp: 5870

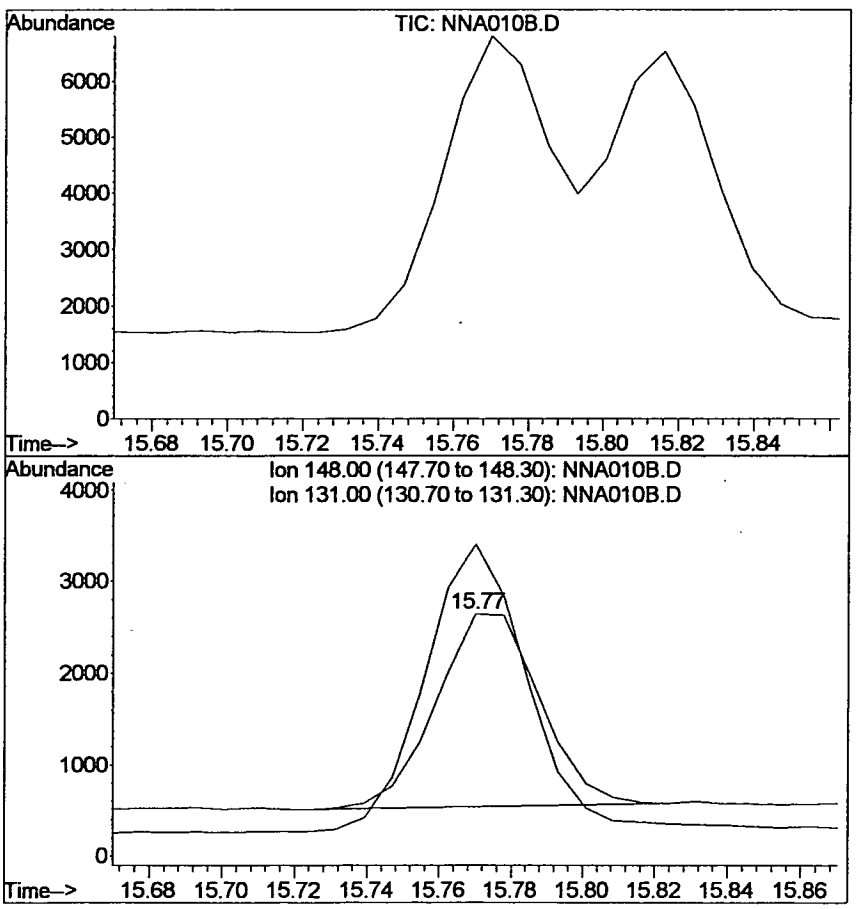
Ion	Ratio	Lower	Upper
120	100		
103	96.7	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion:145 Resp: 5587

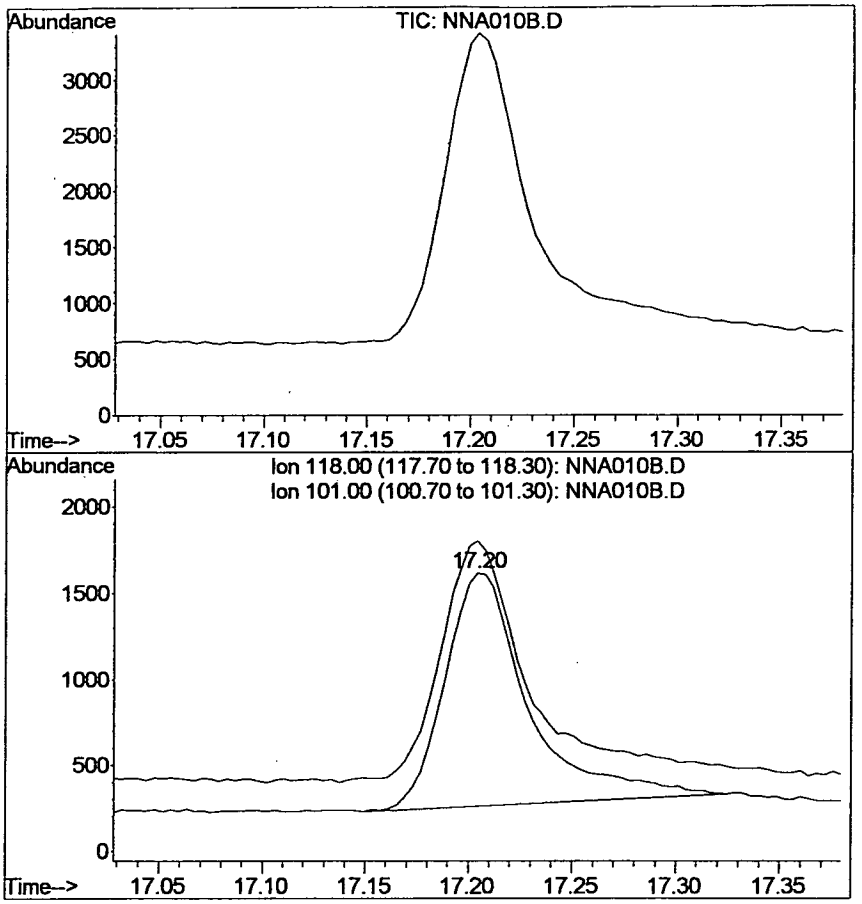
Ion	Ratio	Lower	Upper
145	100		
162	67.2	22.4	102.4



#6
NDPA
Concen: 9.39 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion:148 Resp: 4219

Ion	Ratio	Lower	Upper
148	100		
131	149.2	99.8	207.2



#7
NPYR
Concen: 8.57 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: NNA010B.D
Acq: 17 Jul 2007 5:04 pm

Tgt Ion:118 Resp: 3831

Ion	Ratio	Lower	Upper
118	100		
101	100.6	62.6	130.0

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\07JUL17\NNA010B.D Vial: 1
Acq On : 17 Jul 2007 5:04 pm Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines water Multiplr: 1.00
MS Integration Params: RTEINT2.P

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	NDMA-D6	1.000	1.000	0.0	100	0.00
2	T	NDMA	2.002	2.016	-0.7	95	0.02
3	I	NDEA-D10	1.000	1.000	0.0	98	0.02
4	T	NDEA	1.072	1.106	-3.2	96	0.00
5	I	NDPA-D14	1.000	1.000	0.0	114	0.00
6	T	NDPA	0.804	0.755	6.1	92	0.00
7	T	NPYR	0.800	0.686	14.2	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717001.D Vial: 2
Acq On : 17 Jul 2007 5:28 pm Operator: DF/AI
Sample : 7G16057-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 17:52 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

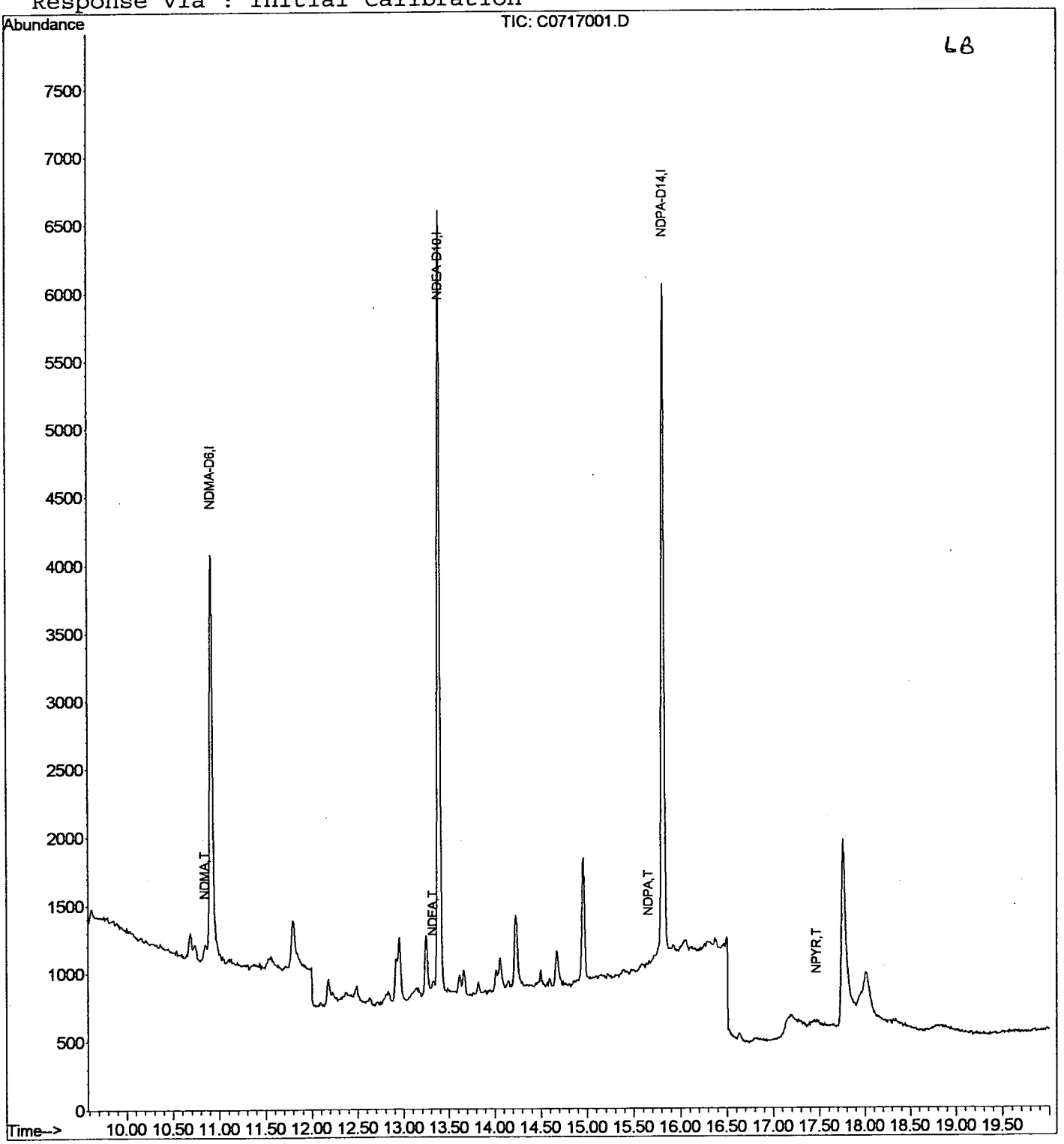
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2689	10.00 PPB	0.00
3) NDEA-D10	13.39	113	5445	10.00 PPB	0.02
5) NDPA-D14	15.82	145	5806	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	132	0.25 PPB	92
4) NDEA	13.33	120	136	0.23 PPB	67
6) NDPA	15.66	148	20	0.04 PPB	78
7) NPYR	17.47	118	18	0.04 PPB	81

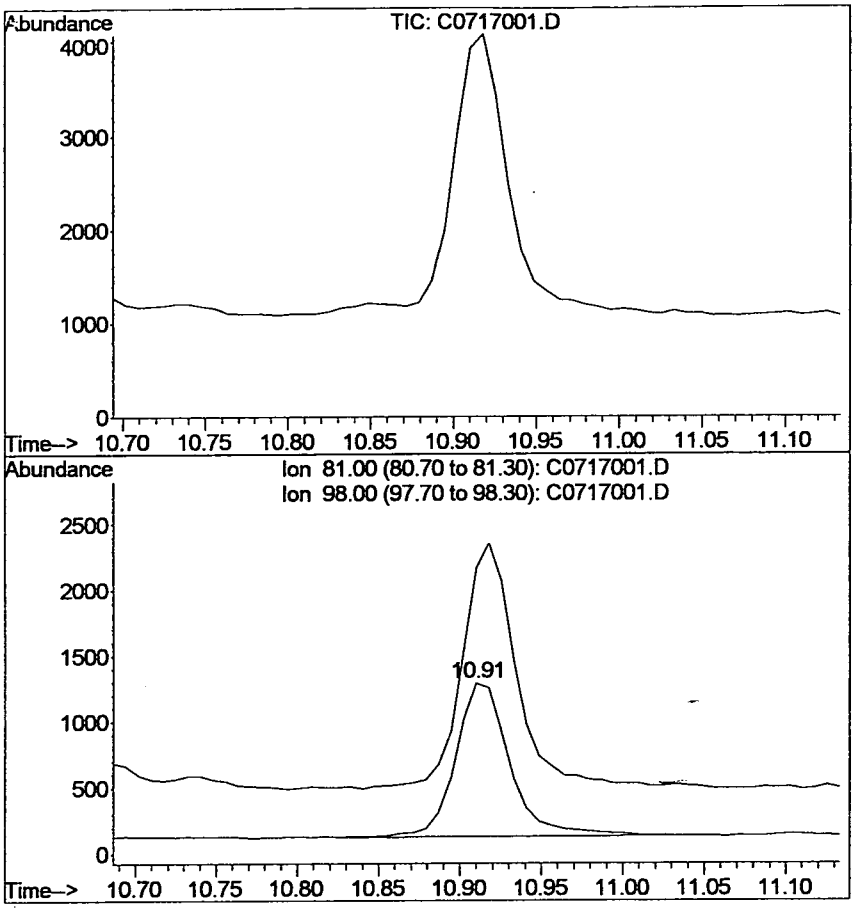
(#) = qualifier out of range (m) = manual integration
C0717001.D C7F14NW.M Tue Jul 17 17:52:50 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717001.D Vial: 2
Acq On : 17 Jul 2007 5:28 pm Operator: DF/AI
Sample : 7G16057-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 17:52 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

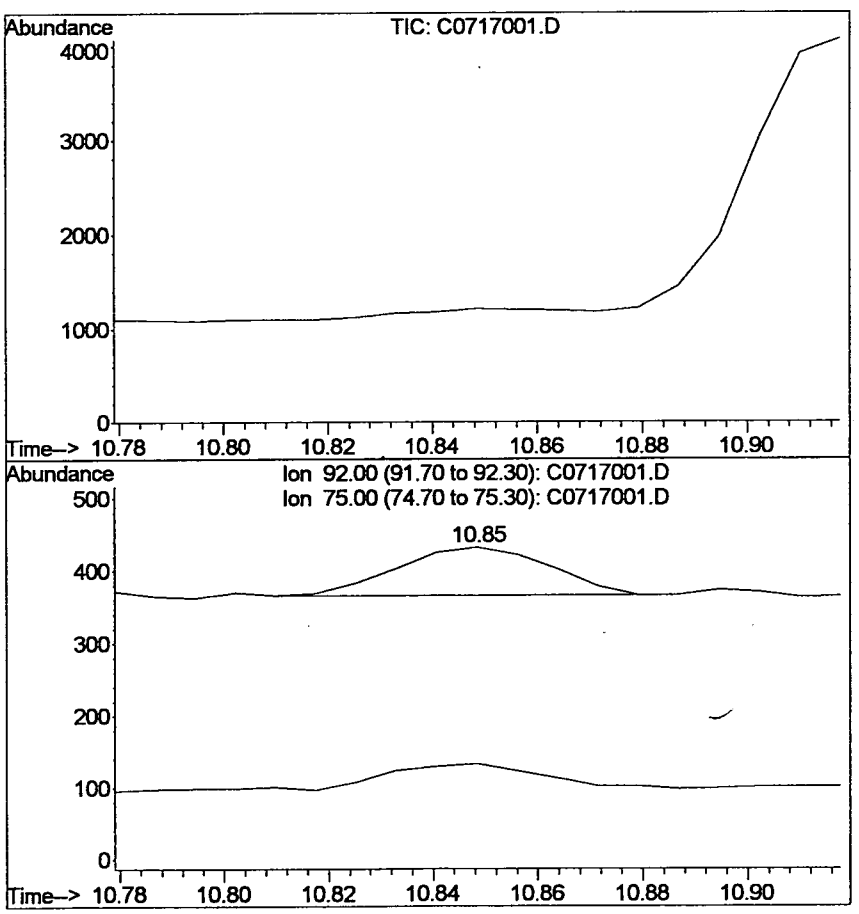




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion: 81 Resp: 2689

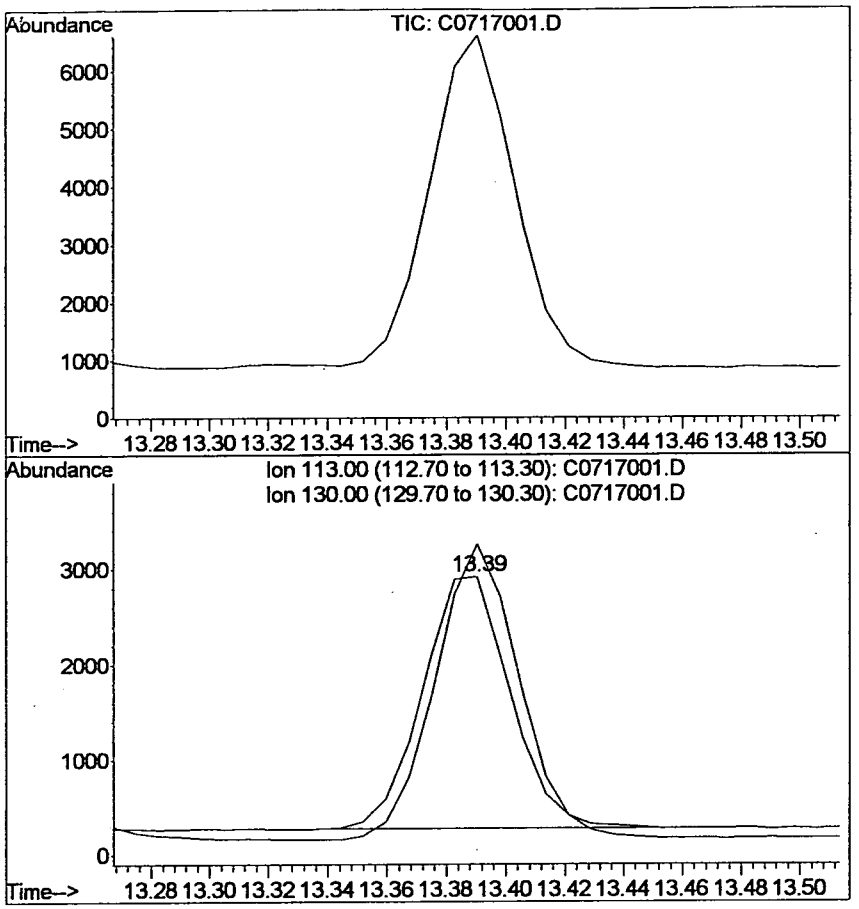
Ion	Ratio	Lower	Upper
81	100		
98	156.2	144.1	224.1



#2
NDMA
Concen: 0.25 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion: 92 Resp: 132

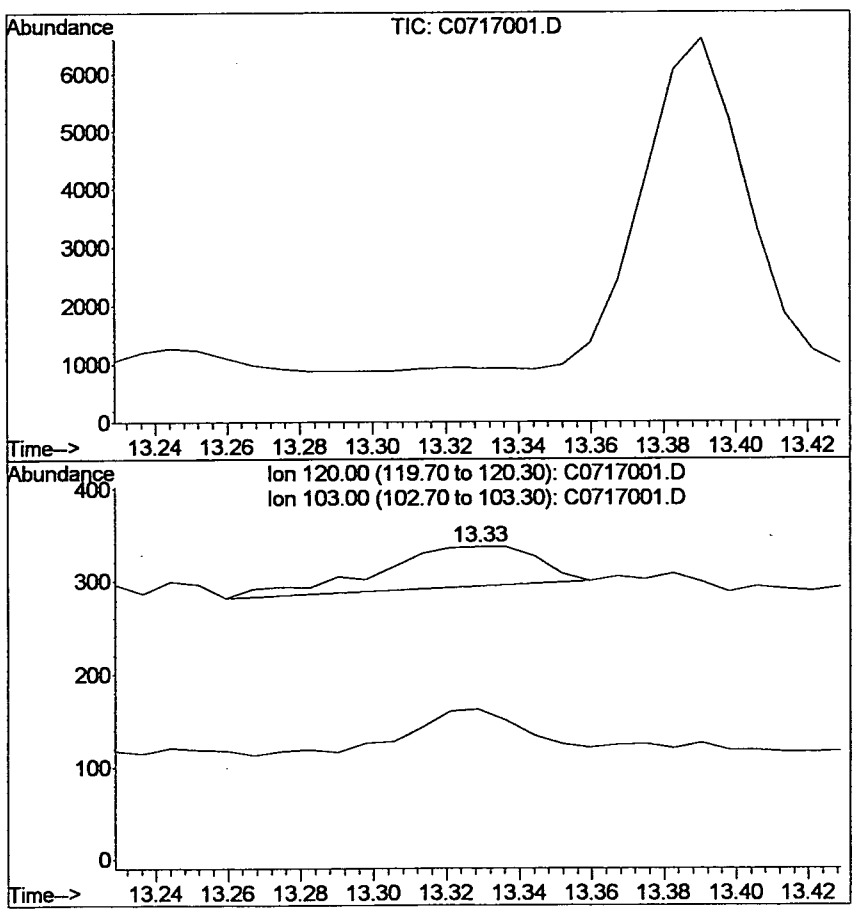
Ion	Ratio	Lower	Upper
92	100		
75	54.5	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion:113 Resp: 5445

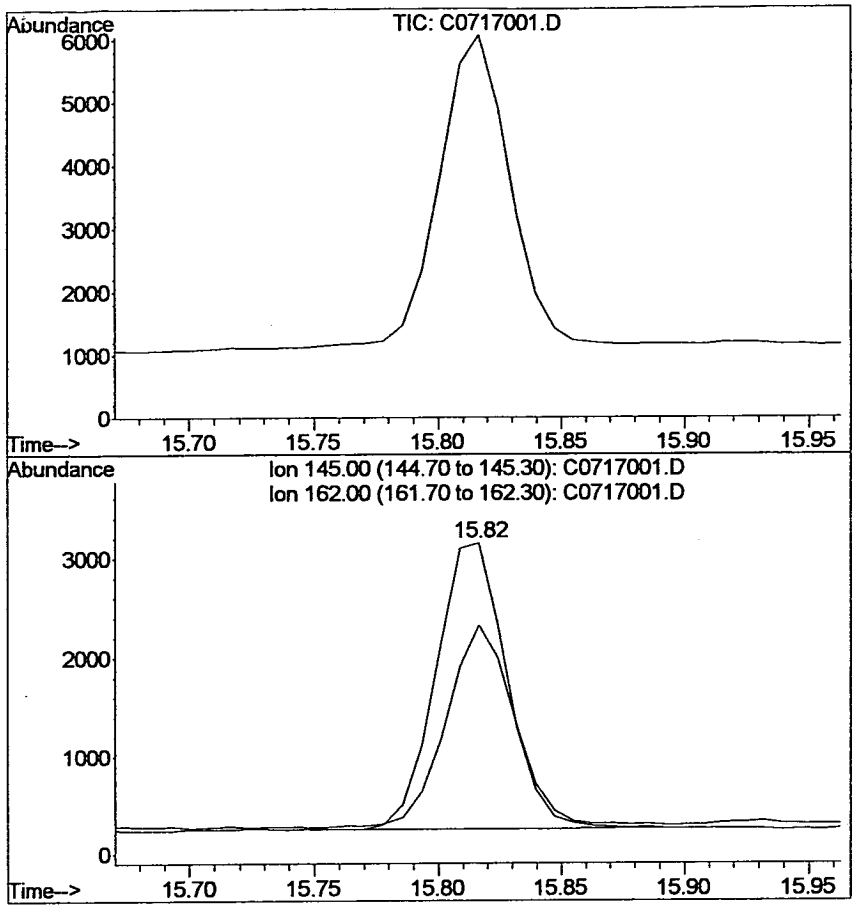
Ion	Ratio	Lower	Upper
113	100		
130	111.9	67.1	137.1



#4
NDEA
Concen: 0.23 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion:120 Resp: 136

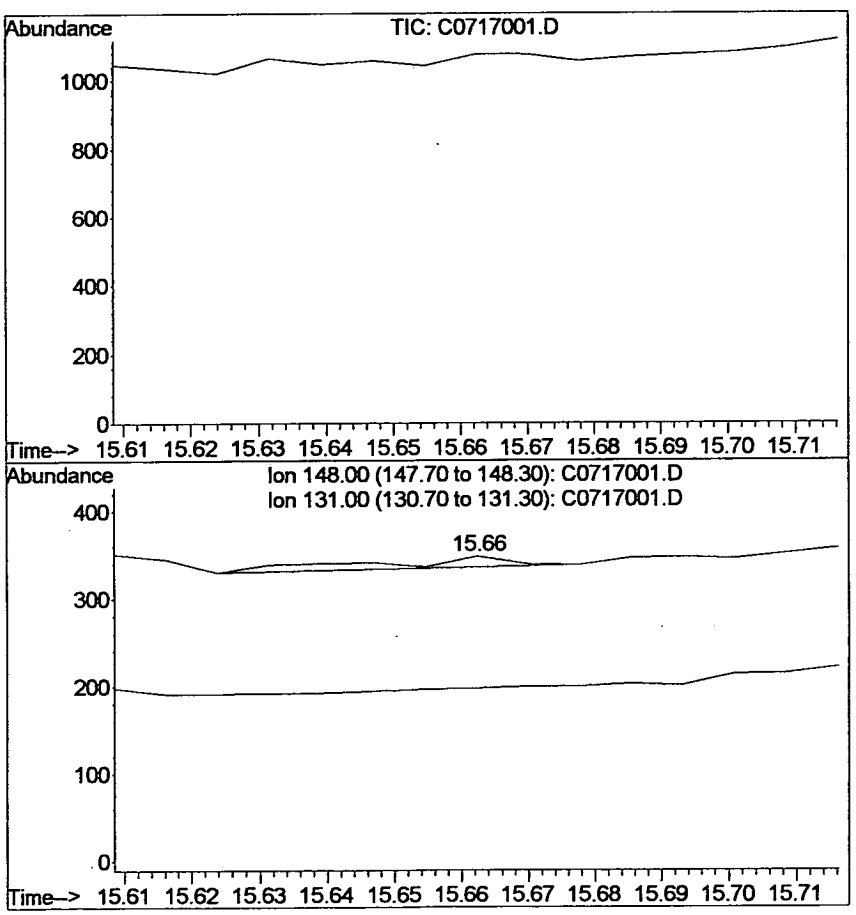
Ion	Ratio	Lower	Upper
120	100		
103	66.9	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion:145 Resp: 5806

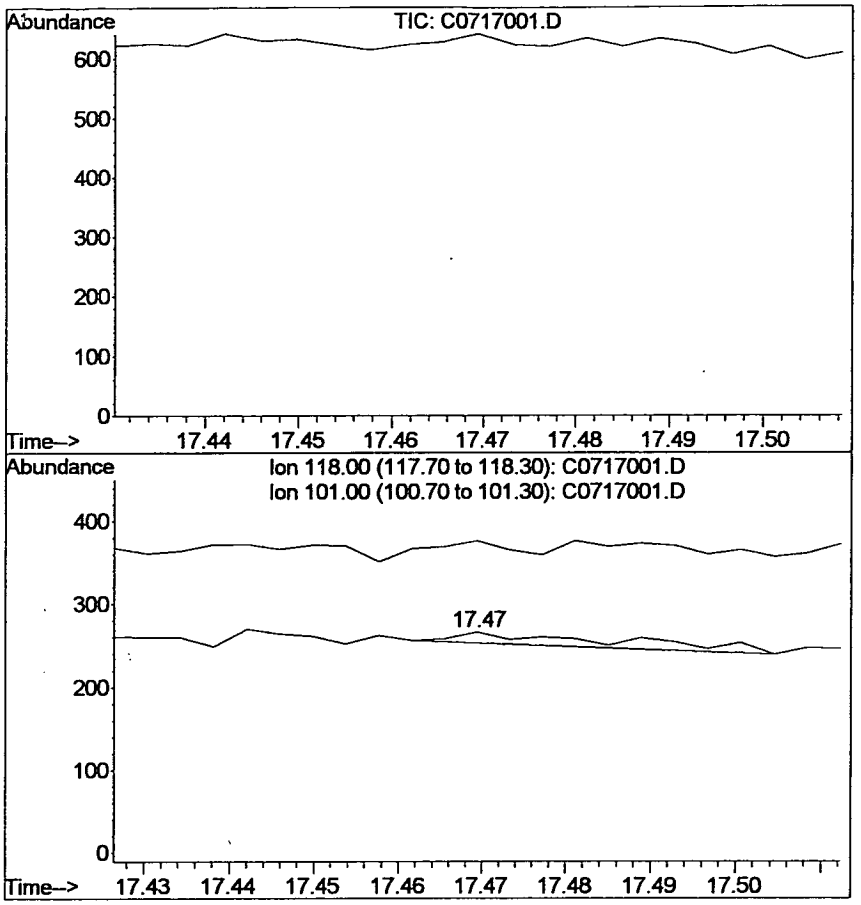
Ion	Ratio	Lower	Upper
145	100		
162	65.6	22.4	102.4



#6
NDPA
Concen: 0.04 PPB
RT: 15.66 min Scan# 790
Delta R.T. -0.11 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion:148 Resp: 20

Ion	Ratio	Lower	Upper
148	100		
131	125.0	99.8	207.2



#7
NPYR
Concen: 0.04 PPB
RT: 17.47 min Scan# 1146
Delta R.T. 0.27 min
Lab File: C0717001.D
Acq: 17 Jul 2007 5:28 pm

Tgt Ion:118 Resp: 18

Ion	Ratio	Lower	Upper
118	100		
101	77.8	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717002.D Vial: 3
Acq On : 17 Jul 2007 5:51 pm Operator: DF/AI
Sample : 7G16057-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 18:13 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

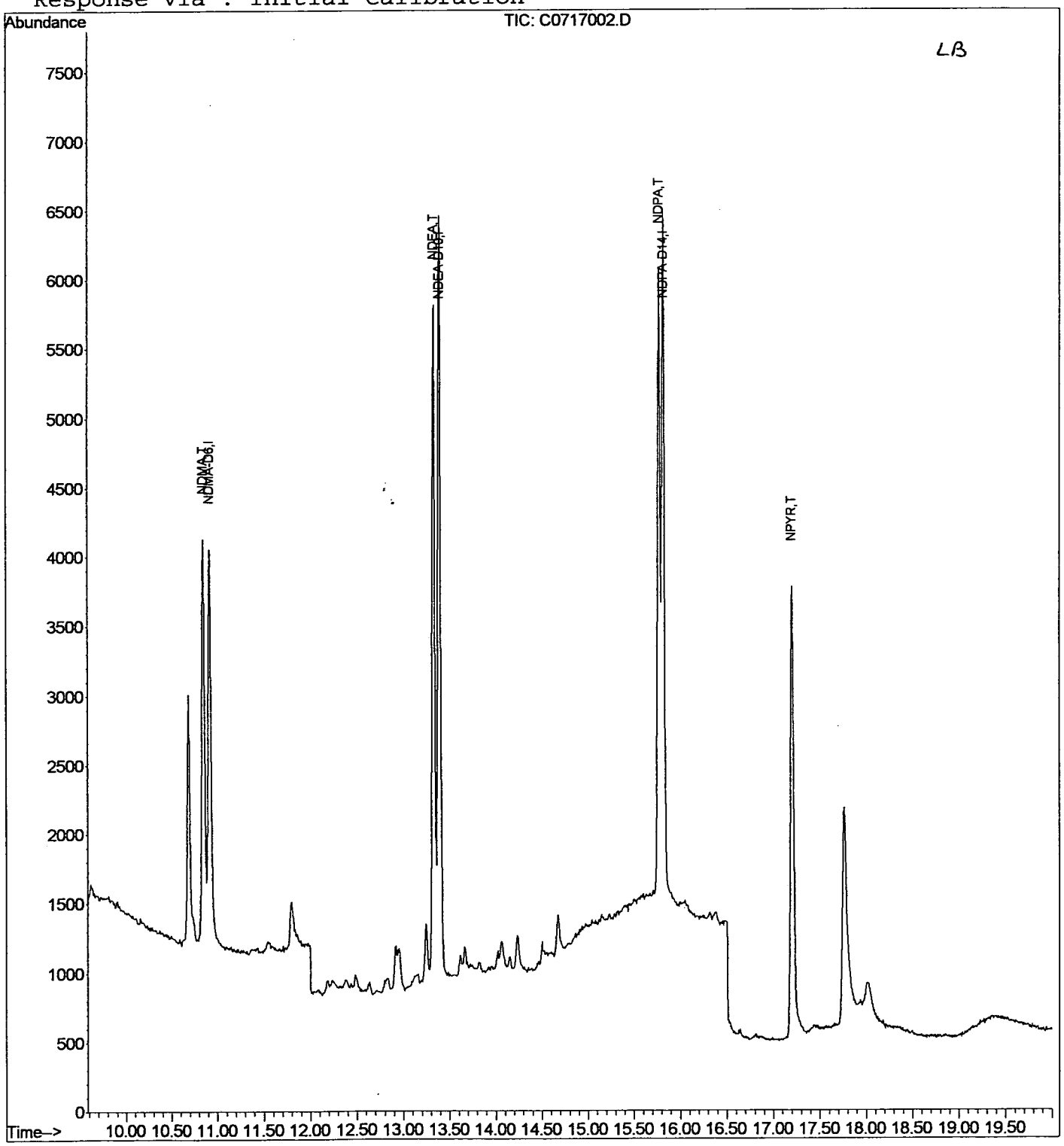
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2443	10.00 PPB	0.00
3) NDEA-D10	13.39	113	5224	10.00 PPB	0.02
5) NDPA-D14	15.82	145	5789	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	4399	9.00 PPB	95
4) NDEA	13.33	120	5018	8.96 PPB	95
6) NDPA	15.77	148	3656	7.86 PPB	91
7) NPYR	17.20	118	3853	8.32 PPB	97

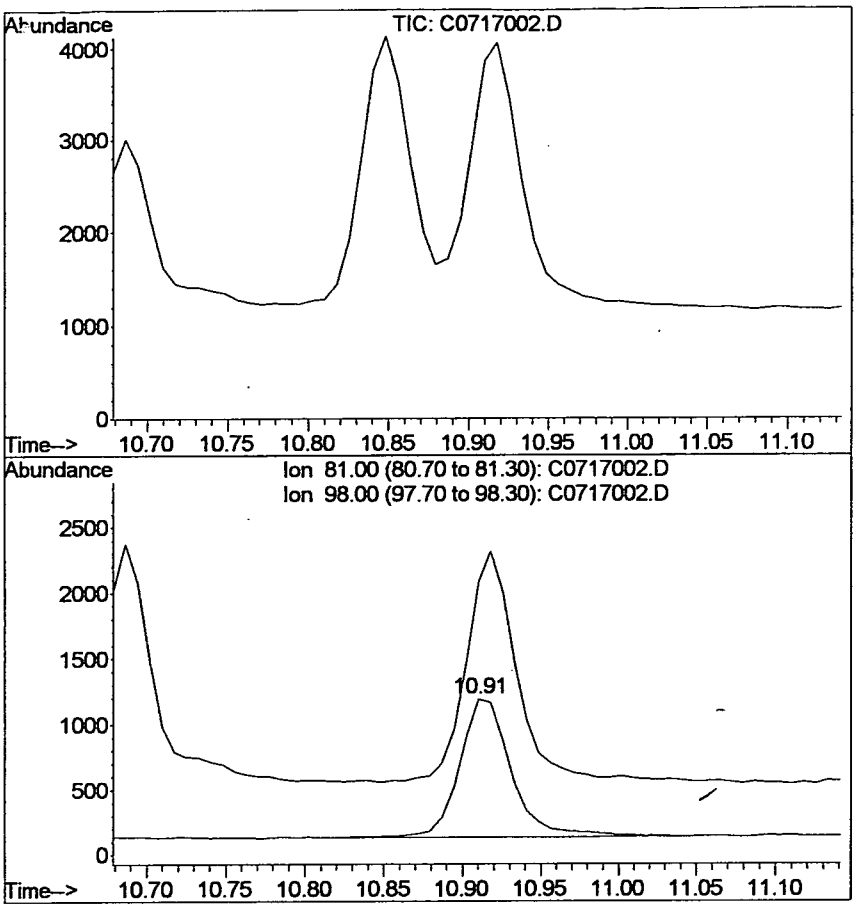
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717002.D Vial: 3
Acq On : 17 Jul 2007 5:51 pm Operator: DF/AI
Sample : 7G16057-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 18:13 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

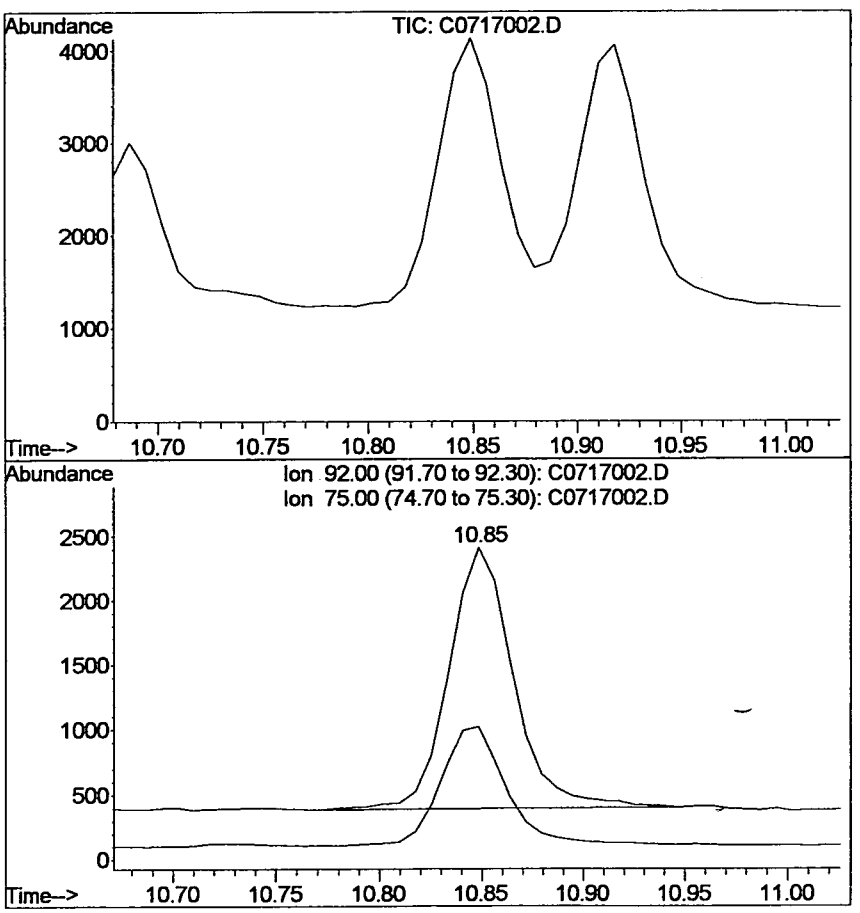




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion: 81 Resp: 2443

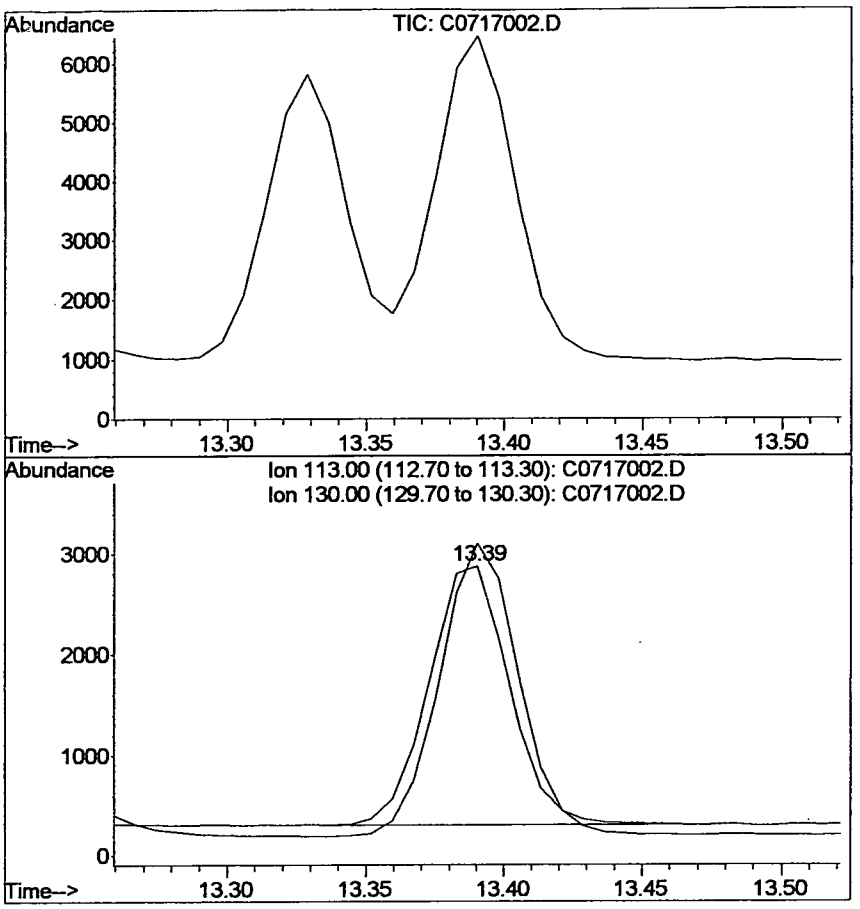
Ion	Ratio	Lower	Upper
81	100		
98	159.8	144.1	224.1



#2
NDMA
Concen: 9.00 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion: 92 Resp: 4399

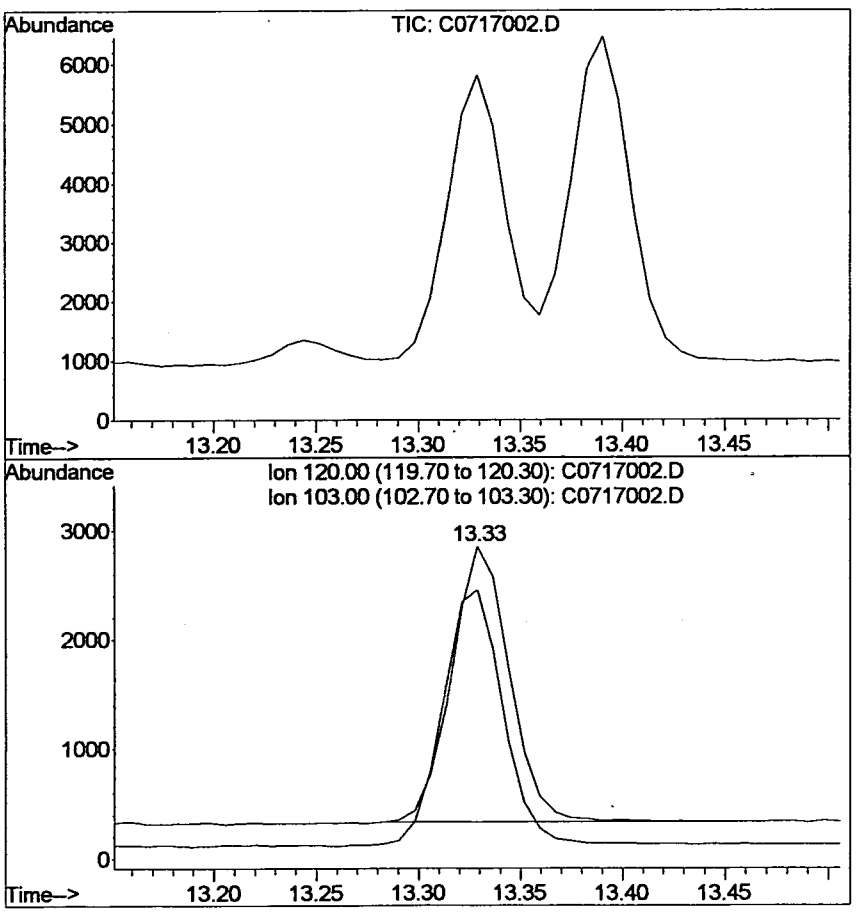
Ion	Ratio	Lower	Upper
92	100		
75	45.7	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion:113 Resp: 5224

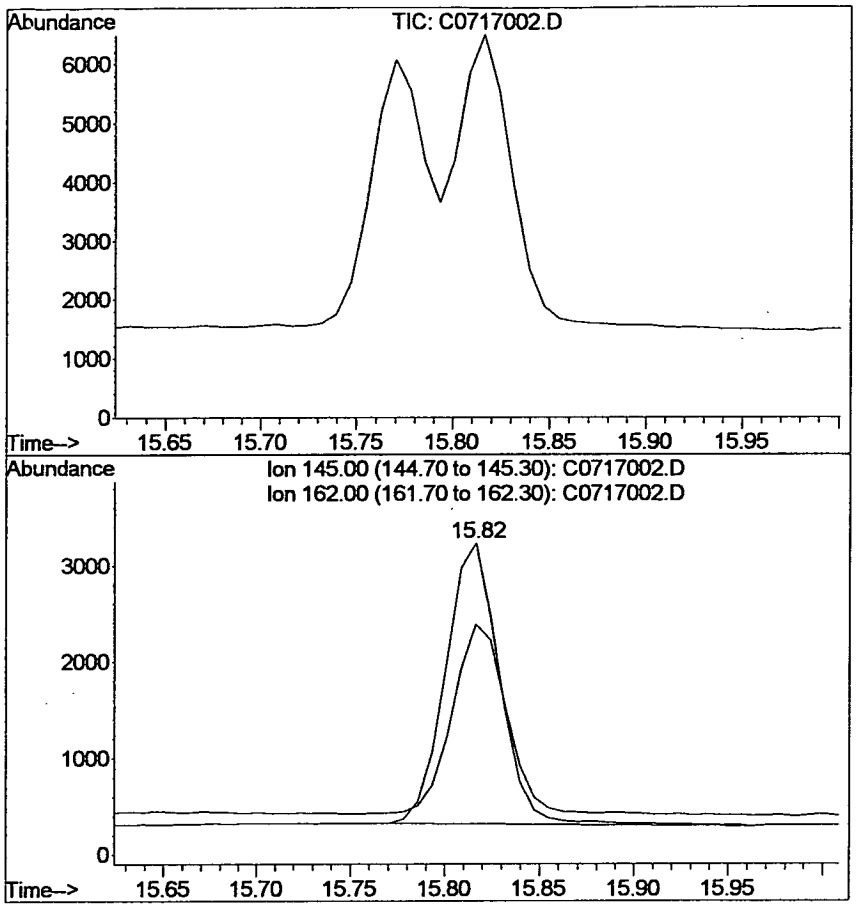
Ion	Ratio	Lower	Upper
113	100		
130	110.9	67.1	137.1



#4
NDEA
Concen: 8.96 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion:120 Resp: 5018

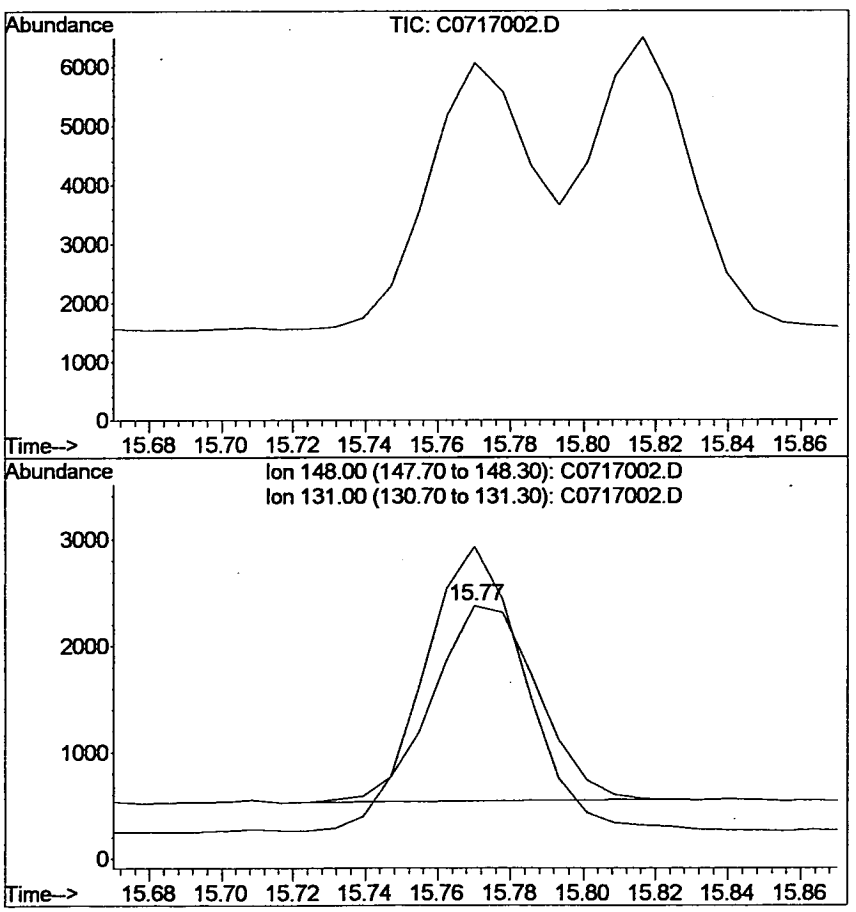
Ion	Ratio	Lower	Upper
120	100		
103	95.3	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion:145 Resp: 5789

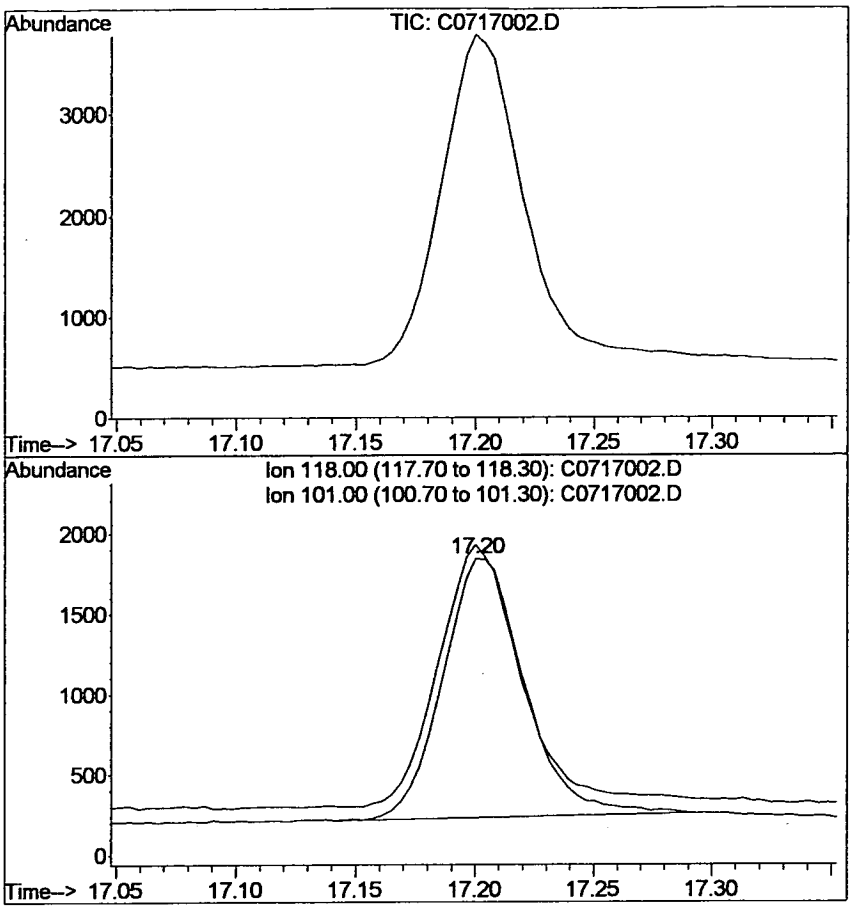
Ion	Ratio	Lower	Upper
145	100		
162	65.6	22.4	102.4



#6
NDPA
Concen: 7.86 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion:148 Resp: 3656

Ion	Ratio	Lower	Upper
148	100		
131	142.5	99.8	207.2



#7
NPYR
Concen: 8.32 PPB
RT: 17.20 min Scan# 1077
Delta R.T. 0.00 min
Lab File: C0717002.D
Acq: 17 Jul 2007 5:51 pm

Tgt Ion:118 Resp: 3853

Ion	Ratio	Lower	Upper
118	100		
101	99.7	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717003.D Vial: 4
Acq On : 17 Jul 2007 6:15 pm Operator: DF/AI
Sample : 7G16057-BS2 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:36 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

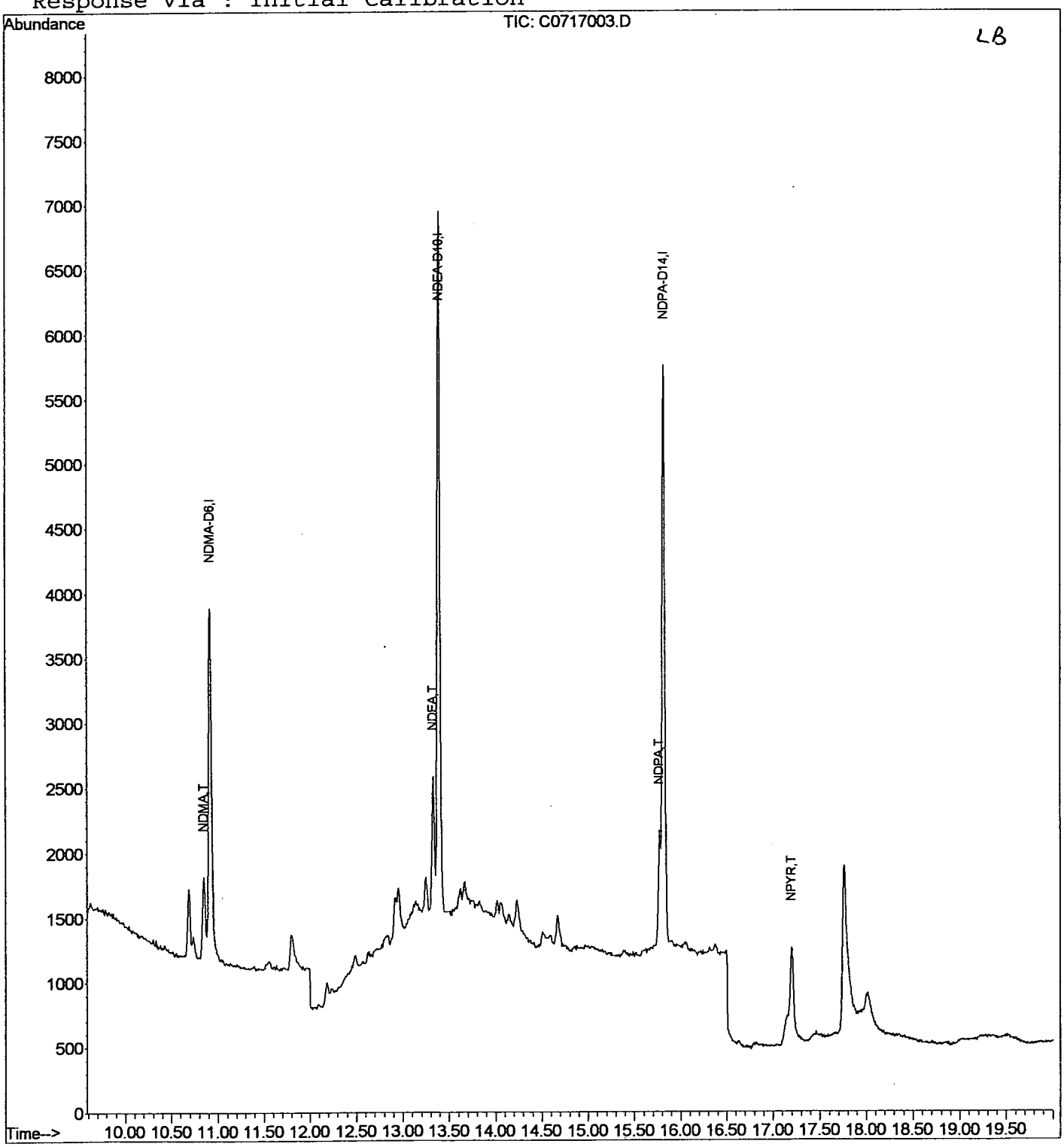
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	2499	10.00	PPB		0.00
3) NDEA-D10	13.38	113	5228	10.00	PPB		0.00
5) NDPA-D14	15.82	145	5234	10.00	PPB		0.00
Target Compounds							**Qvalue**
2) NDMA	10.85	92	899	1.80	PPB		96
4) NDEA	13.33	120	1045	1.86	PPB		95
6) NDPA	15.77	148	783	1.86	PPB		82
7) NPYR	17.20	118	507	1.21	PPB	#	48

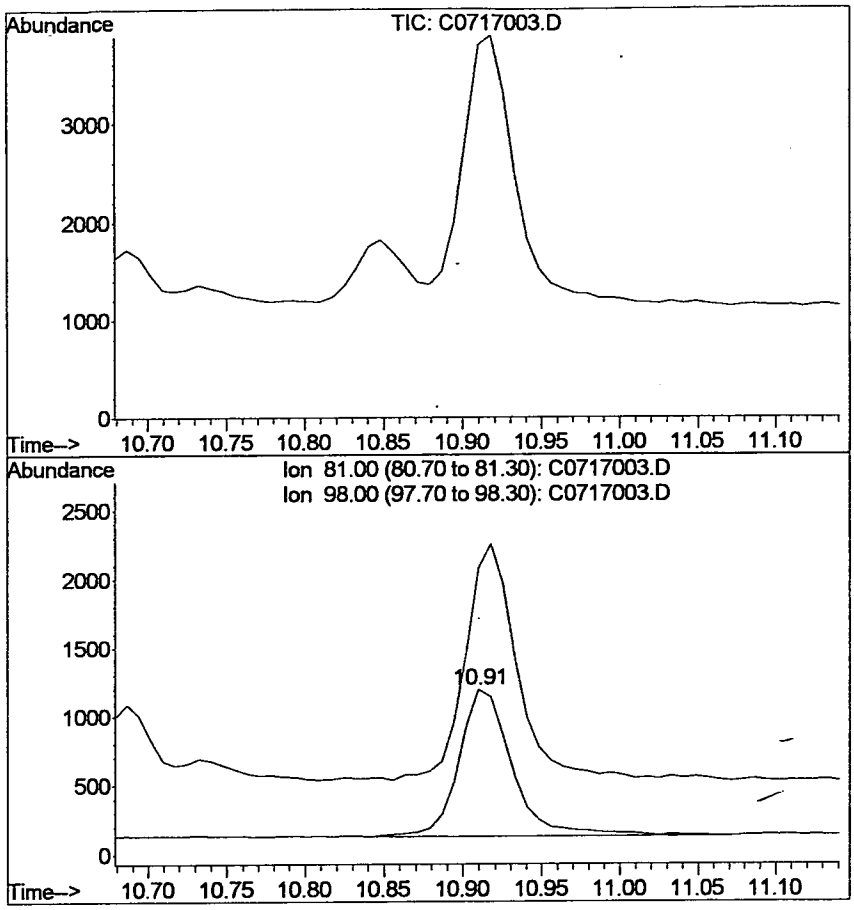
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717003.D Vial: 4
Acq On : 17 Jul 2007 6:15 pm Operator: DF/AI
Sample : 7G16057-BS2 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:36 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

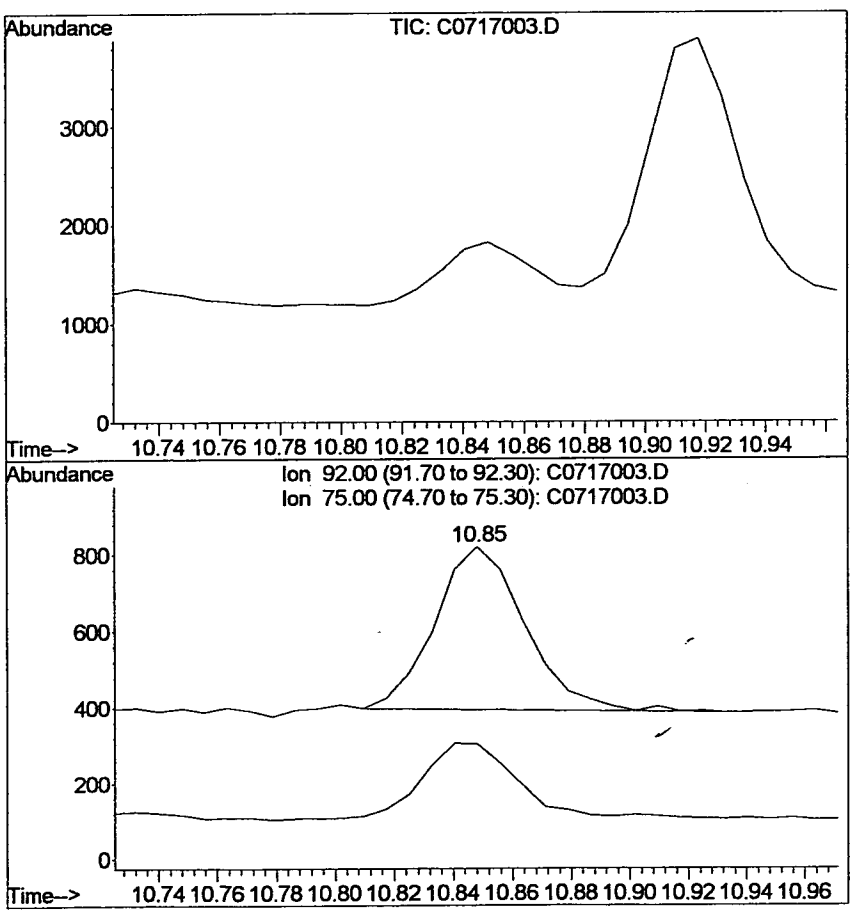




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion: 81 Resp: 2499

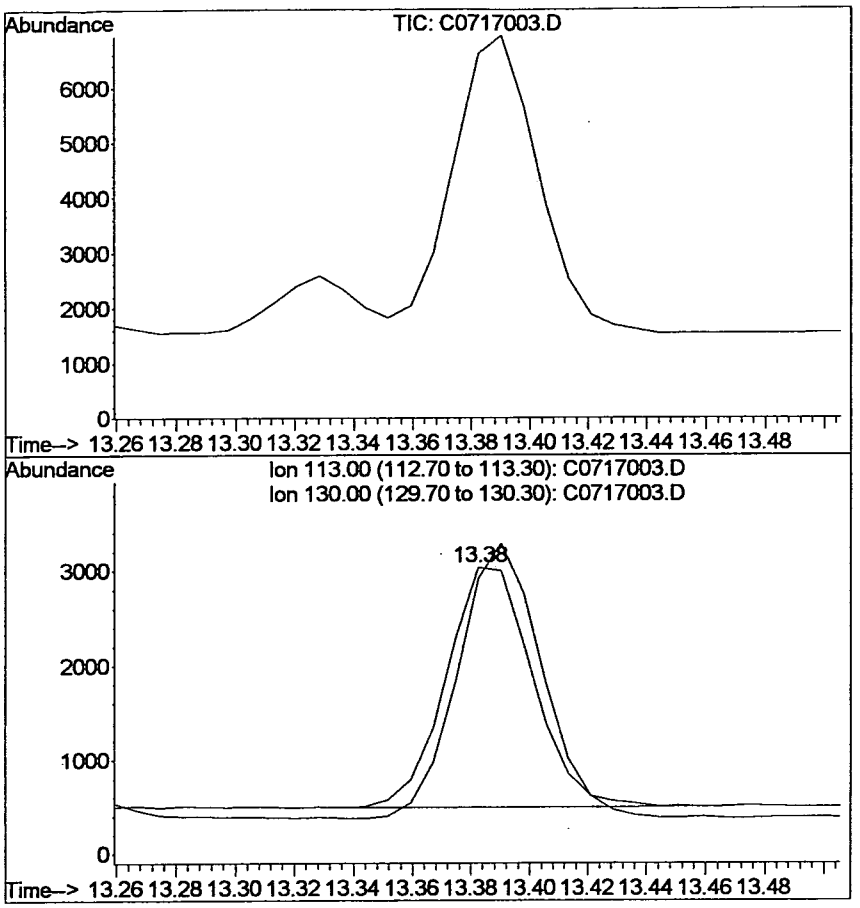
Ion	Ratio	Lower	Upper
81	100		
98	153.0	144.1	224.1



#2
NDMA
Concen: 1.80 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion: 92 Resp: 899

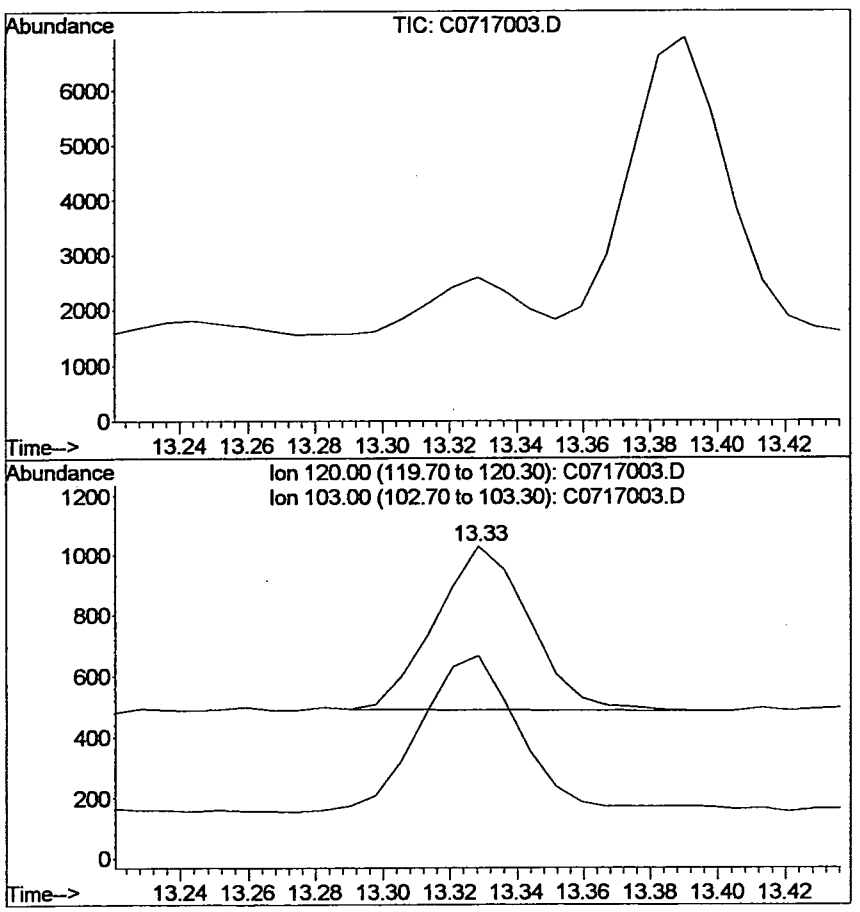
Ion	Ratio	Lower	Upper
92	100		
75	46.3	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion:113 Resp: 5228

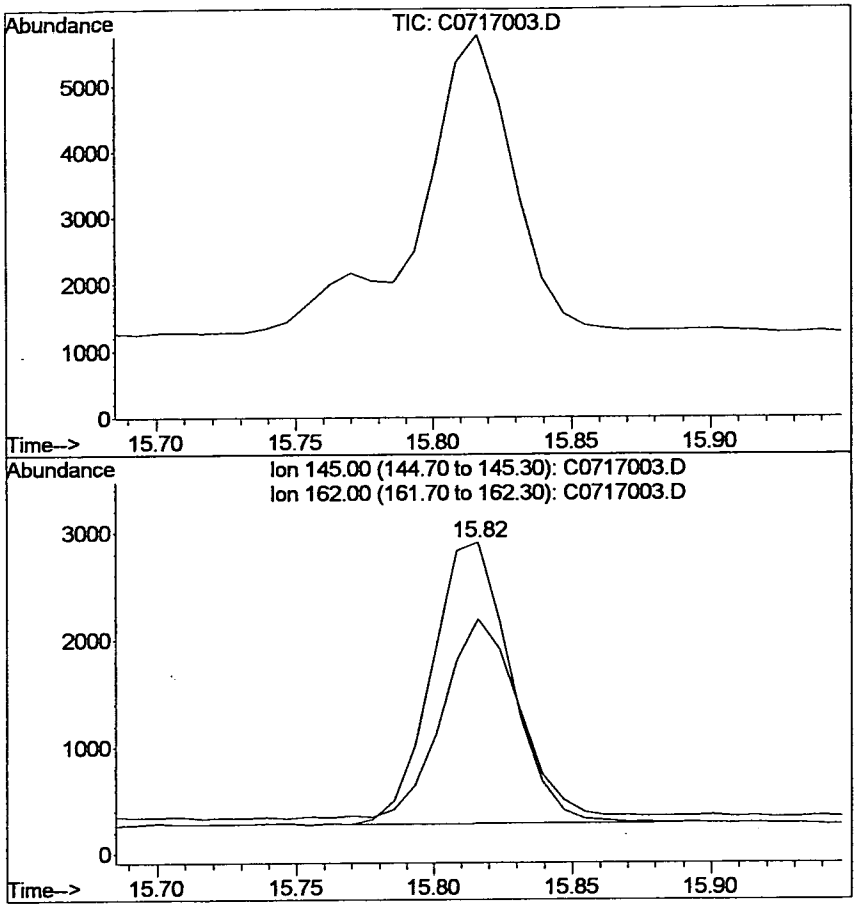
Ion	Ratio	Lower	Upper
113	100		
130	110.3	67.1	137.1



#4
NDEA
Concen: 1.86 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion:120 Resp: 1045

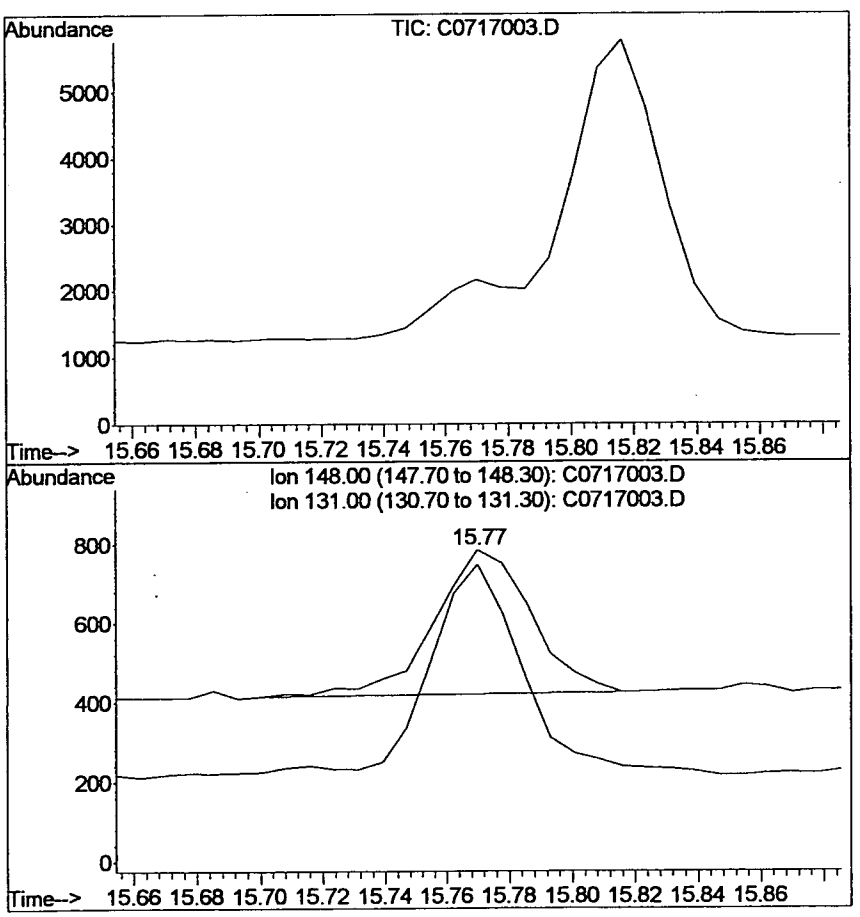
Ion	Ratio	Lower	Upper
120	100		
103	94.9	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion:145 Resp: 5234

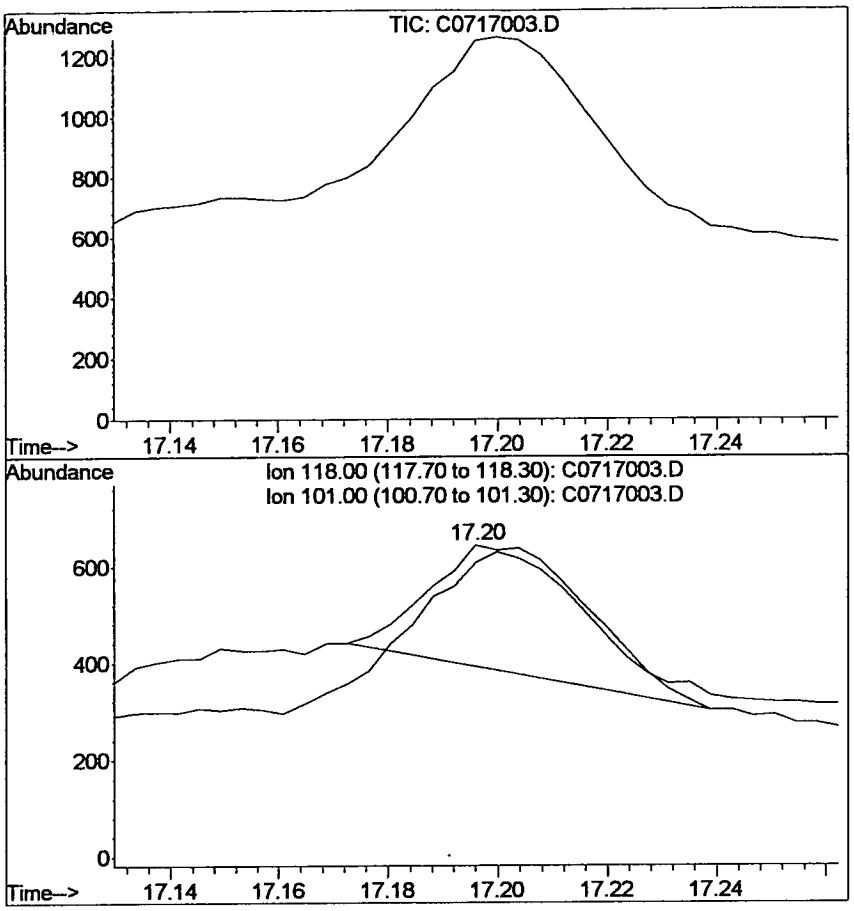
Ion	Ratio	Lower	Upper
145	100		
162	66.7	22.4	102.4



#6
NDPA
Concen: 1.86 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion:148 Resp: 783

Ion	Ratio	Lower	Upper
148	100		
131	130.9	99.8	207.2



#7
NPYR
Concen: 1.21 PPB
RT: 17.20 min Scan# 1076
Delta R.T. -0.00 min
Lab File: C0717003.D
Acq: 17 Jul 2007 6:15 pm

Tgt Ion:118 Resp: 507

Ion	Ratio	Lower	Upper
118	100		
101	147.1	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717004.D
Acq On : 17 Jul 2007 6:38 pm
Sample : IQG0879-01
Misc : WATER 1L/1ml ----- Batch 7G16057
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:36 2007

Vial: 5
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

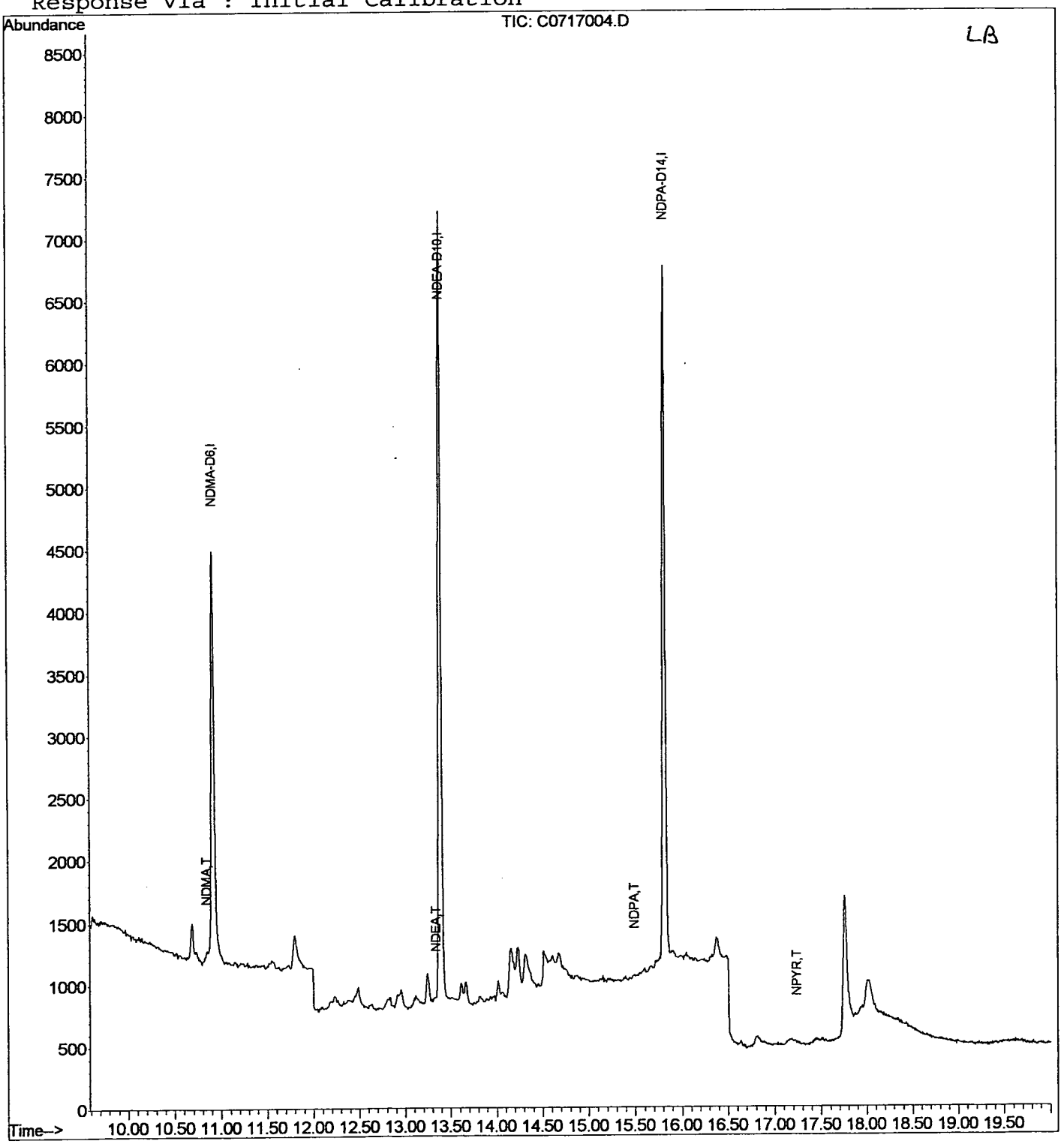
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2977	10.00 PPB	0.00
3) NDEA-D10	13.38	113	6012	10.00 PPB	0.00
5) NDPA-D14	15.82	145	6547	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	125	0.21 PPB	92
4) NDEA	13.34	120	72	0.11 PPB	71
6) NDPA	15.49	148	23	0.04 PPB	85
7) NPYR	17.24	118	11	0.02 PPB	67

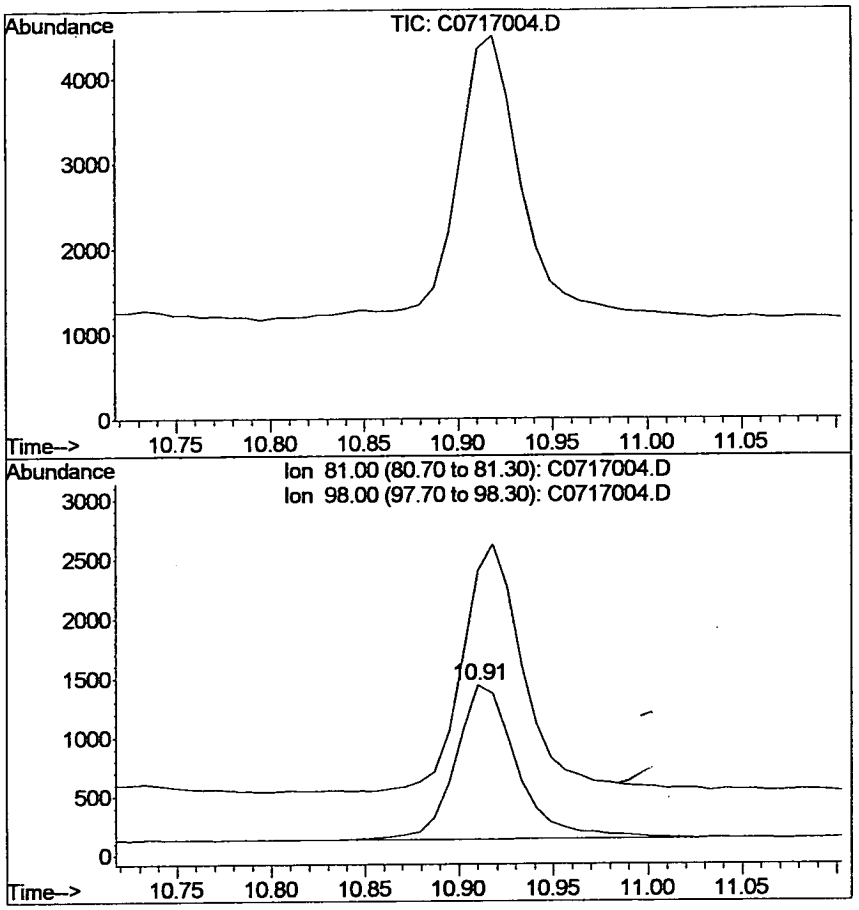
(#) = qualifier out of range (m) = manual integration
C0717004.D C7F14NW.M Tue Jul 17 22:36:58 2007

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717004.D Vial: 5
Acq On : 17 Jul 2007 6:38 pm Operator: DF/AI
Sample : IQG0879-01 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:36 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

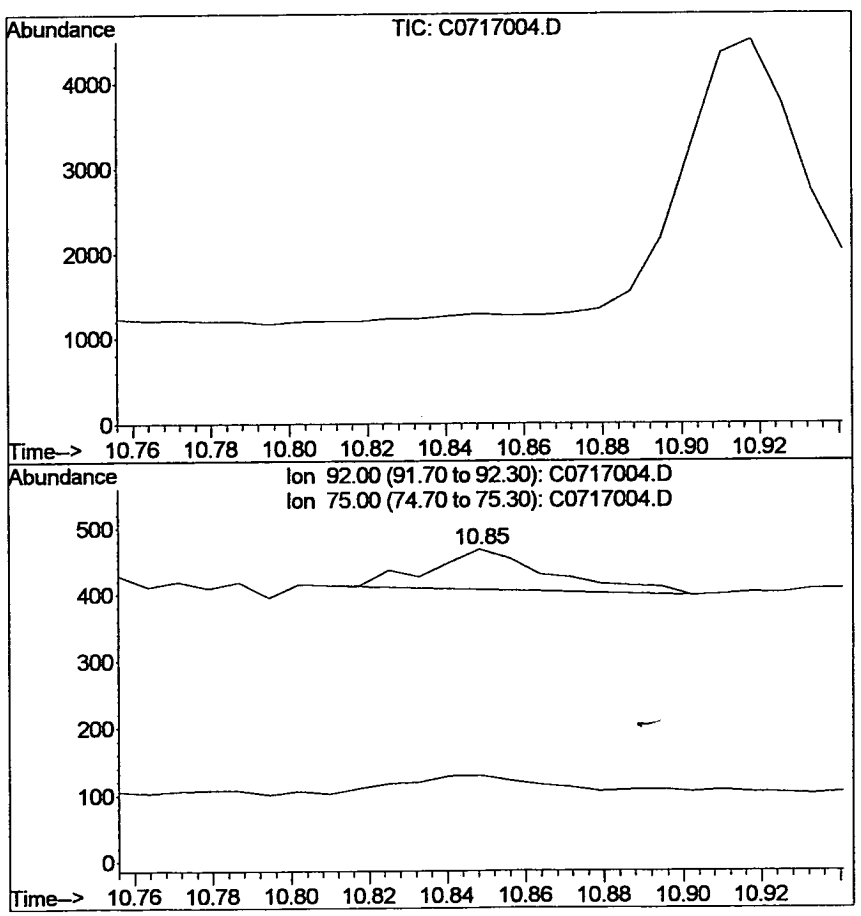




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion: 81 Resp: 2977

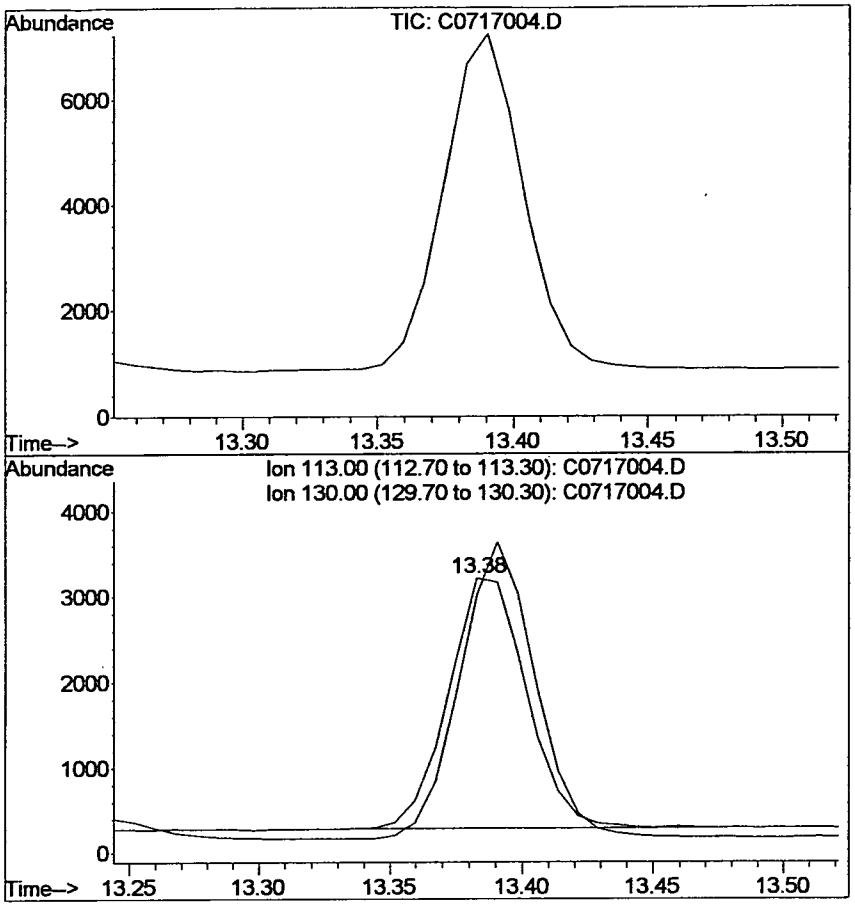
Ion	Ratio	Lower	Upper
81	100		
98	156.9	144.1	224.1



#2
NDMA
Concen: 0.21 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion: 92 Resp: 125

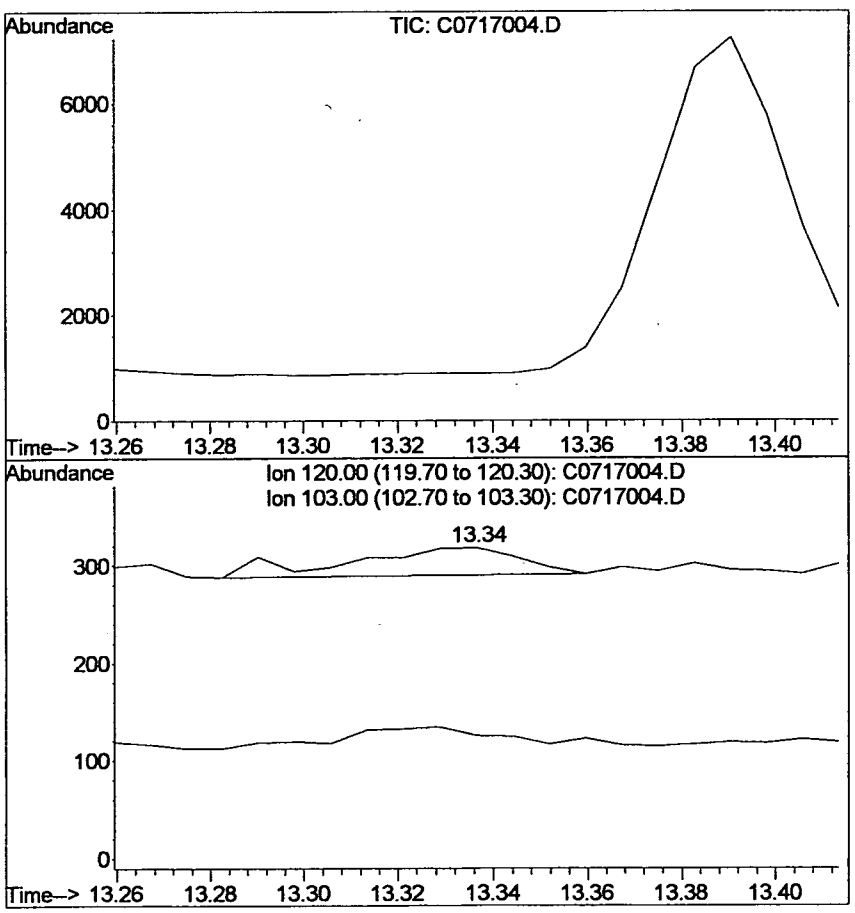
Ion	Ratio	Lower	Upper
92	100		
75	43.2	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion:113 Resp: 6012

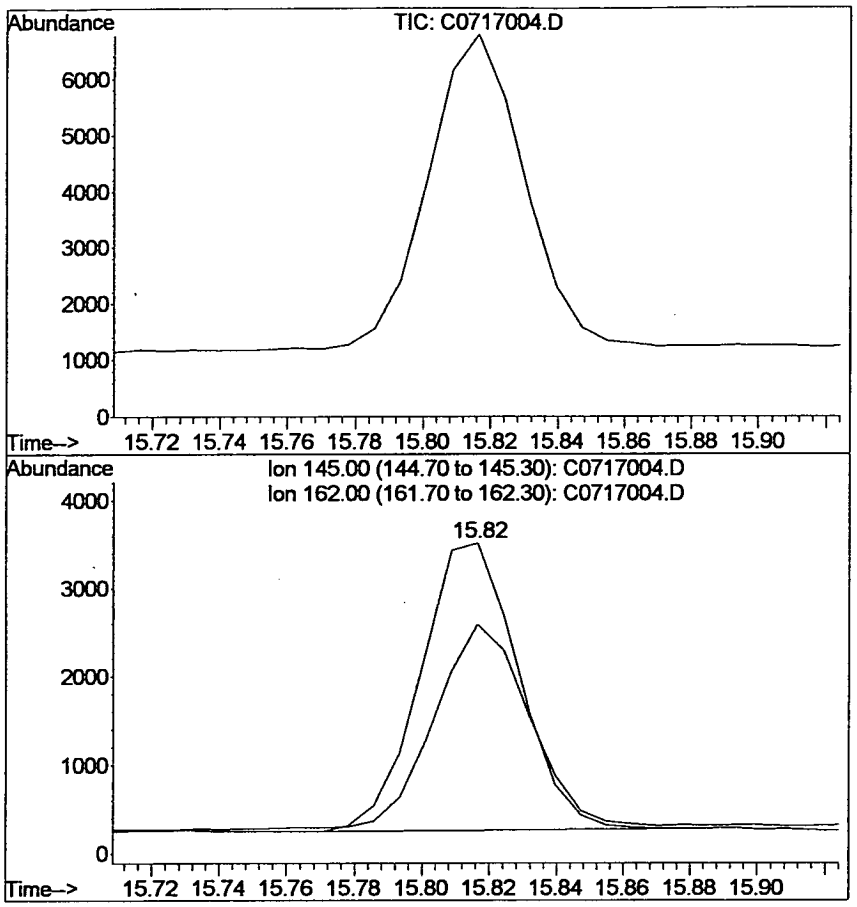
Ion	Ratio	Lower	Upper
113	100		
130	114.3	67.1	137.1



#4
NDEA
Concen: 0.11 PPB
RT: 13.34 min Scan# 488
Delta R.T. 0.02 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion:120 Resp: 72

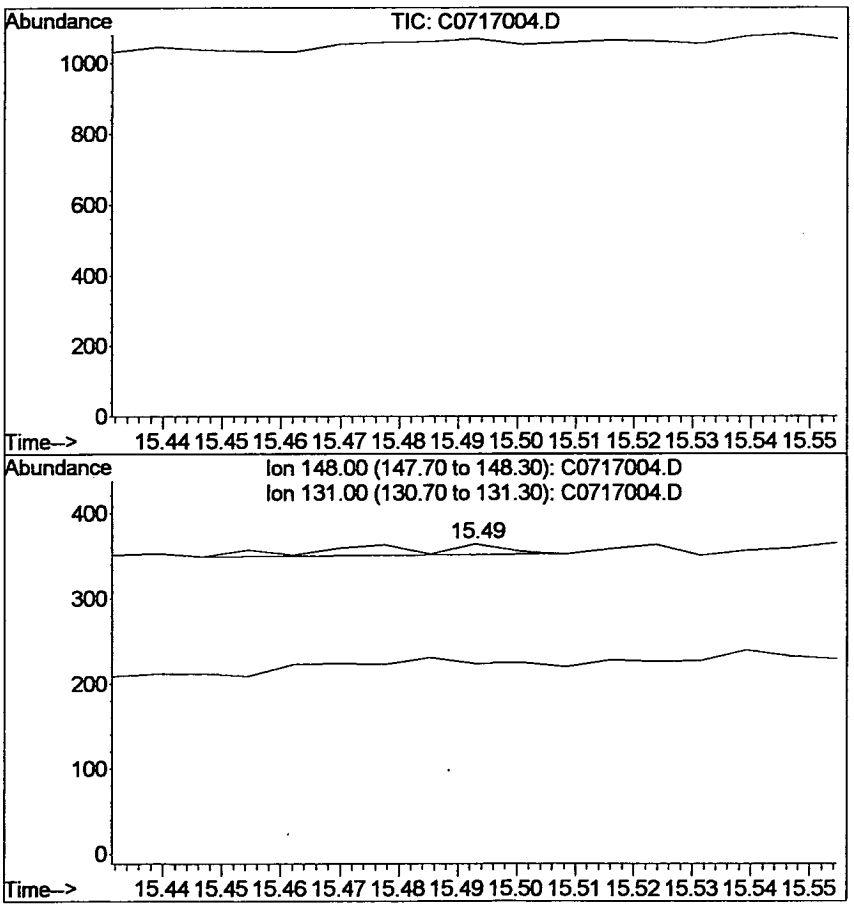
Ion	Ratio	Lower	Upper
120	100		
103	70.8	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion:145 Resp: 6547

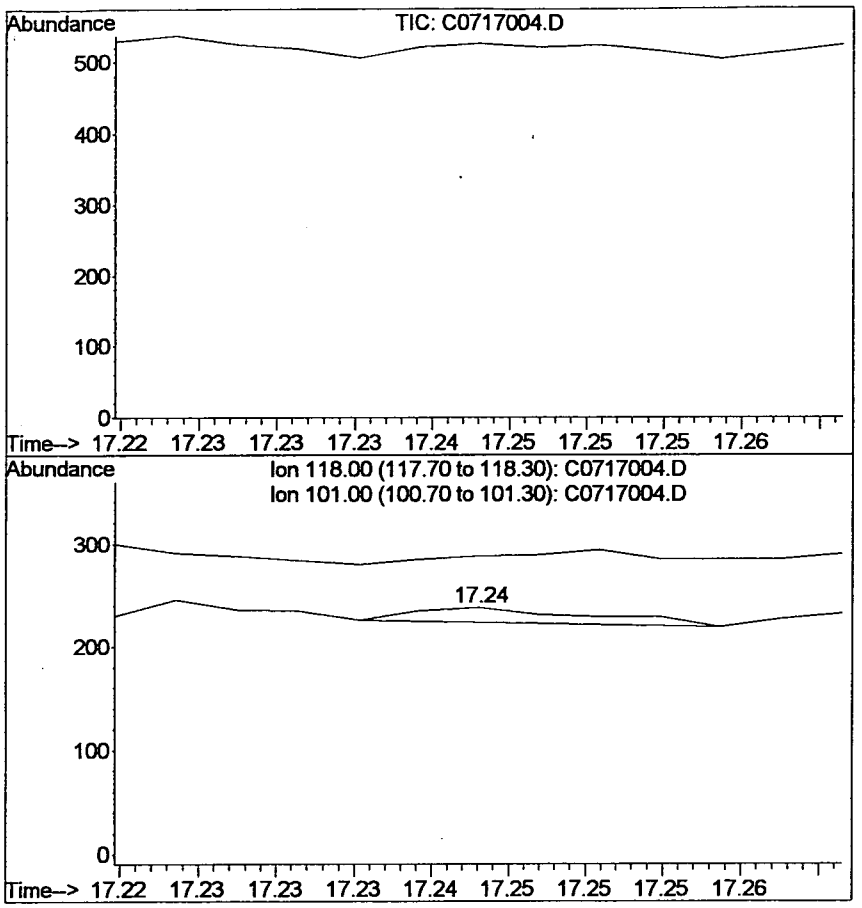
Ion	Ratio	Lower	Upper
145	100		
162	66.8	22.4	102.4



#6
NDPA
Concen: 0.04 PPB
RT: 15.49 min Scan# 768
Delta R.T. -0.28 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion:148 Resp: 23

Ion	Ratio	Lower	Upper
148	100		
131	134.8	99.8	207.2



#7
NPYR
Concen: 0.02 PPB
RT: 17.24 min Scan# 1088
Delta R.T. 0.05 min
Lab File: C0717004.D
Acq: 17 Jul 2007 6:38 pm

Tgt Ion:118 Resp: 11

Ion	Ratio	Lower	Upper
118	100		
101	63.6	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717005.D
Acq On : 17 Jul 2007 7:02 pm
Sample : 7G16057-MS1
Misc : WATER 1L/1ml ----- Batch 7G16057
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:37 2007

Vial: 6
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00

Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2309	10.00 PPB	0.00
3) NDEA-D10	13.39	113	5003	10.00 PPB	0.02
5) NDPA-D14	15.82	145	5190	10.00 PPB	0.00

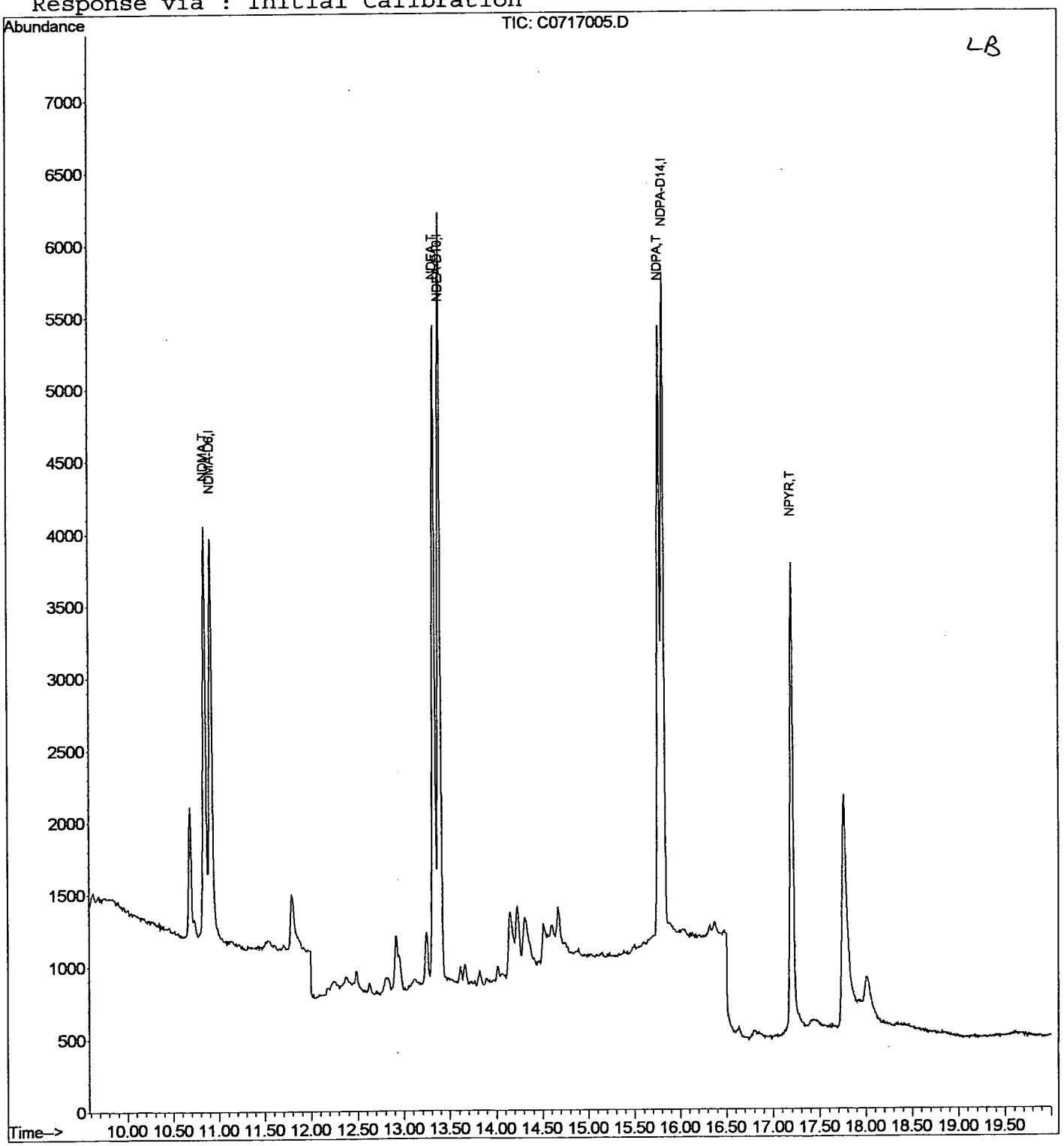
Target Compounds					Qvalue
2) NDMA	10.85	92	4350	9.41 PPB	97
4) NDEA	13.33	120	4717	8.80 PPB	95
6) NDPA	15.77	148	3433	8.23 PPB	89
7) NPYR	17.20	118	3637	8.76 PPB	100

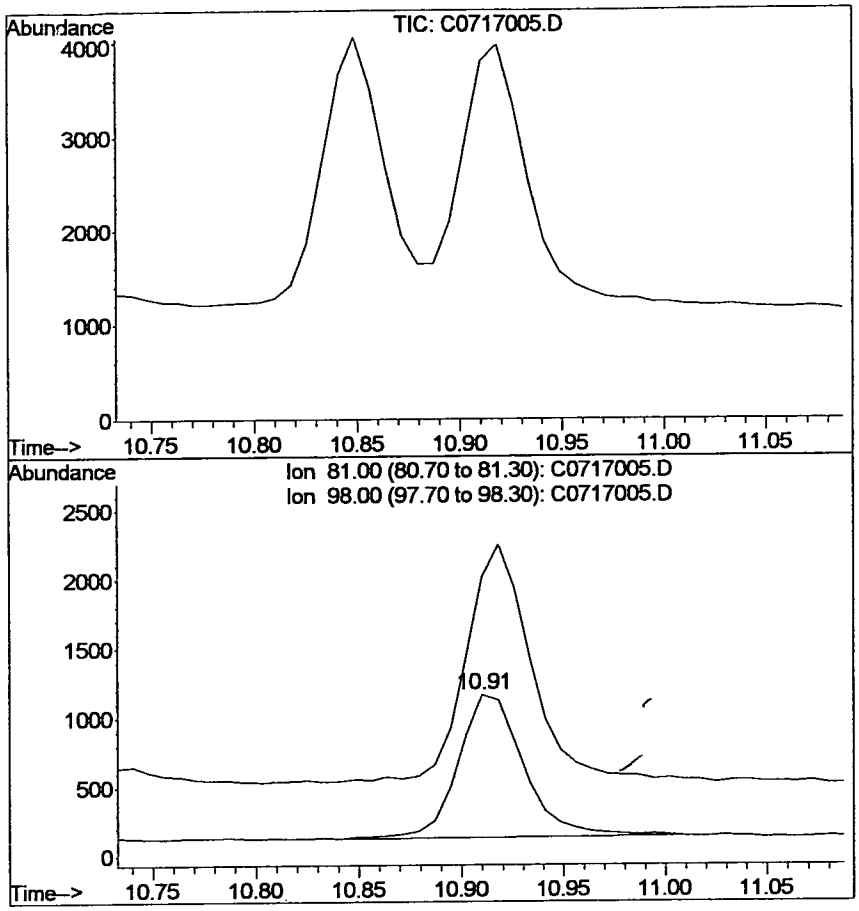
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717005.D Vial: 6
Acq On : 17 Jul 2007 7:02 pm Operator: DF/AI
Sample : 7G16057-MS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:37 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

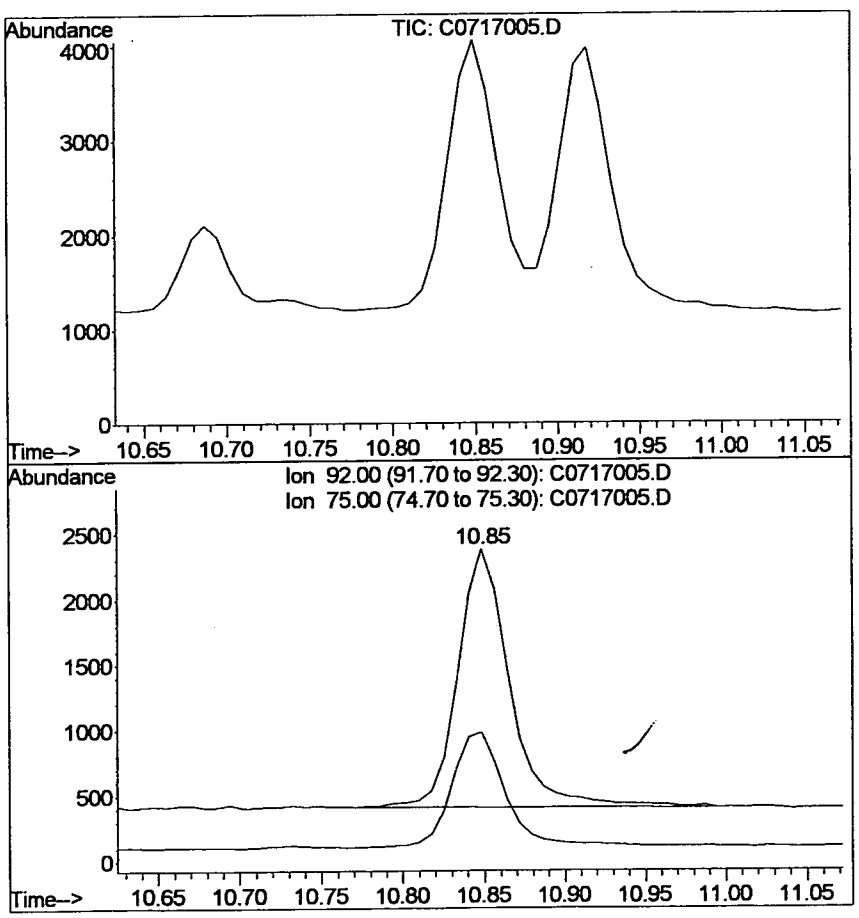




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion: 81 Resp: 2309

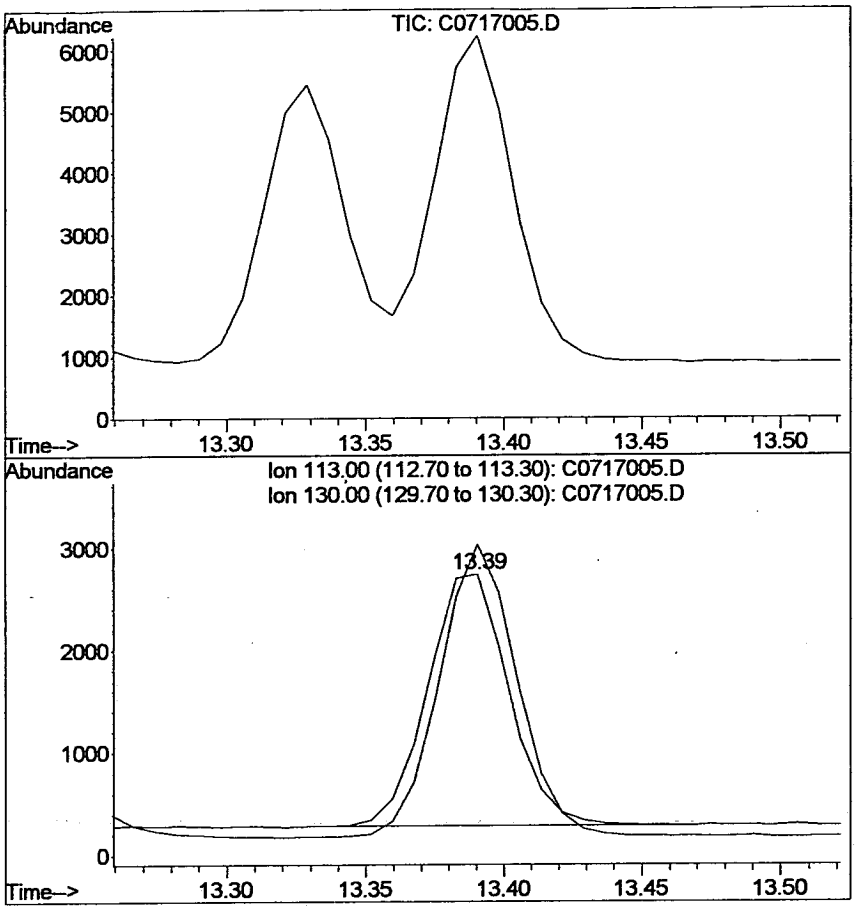
Ion	Ratio	Lower	Upper
81	100		
98	158.0	144.1	224.1



#2
NDMA
Concen: 9.41 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion: 92 Resp: 4350

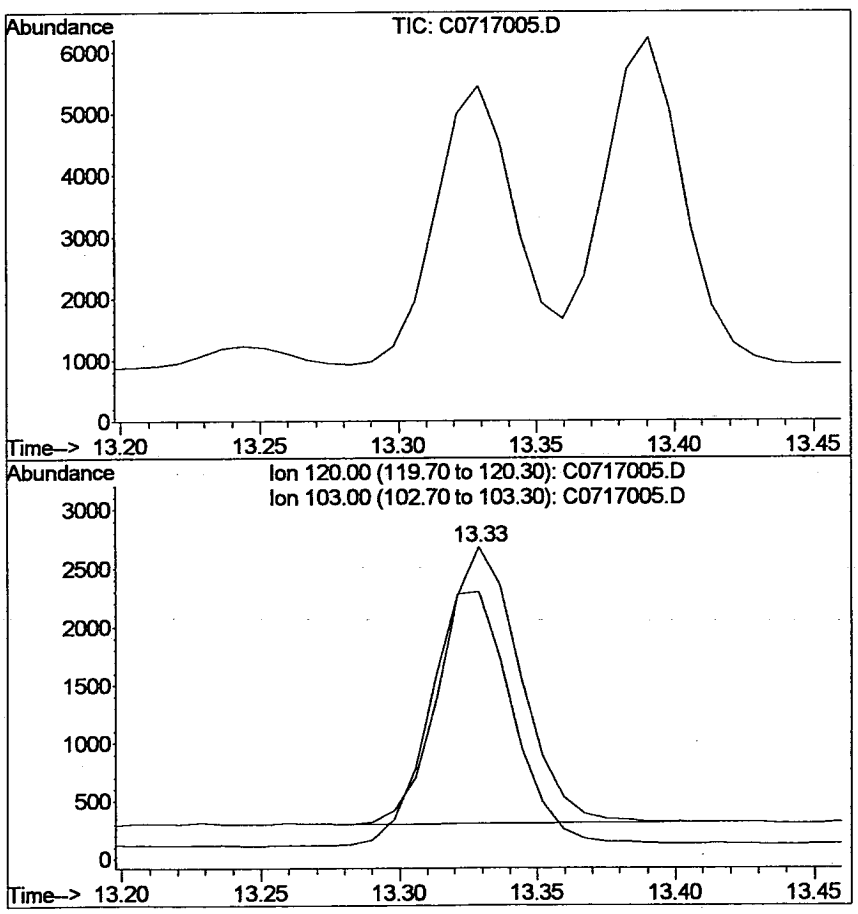
Ion	Ratio	Lower	Upper
92	100		
75	46.6	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion:113 Resp: 5003

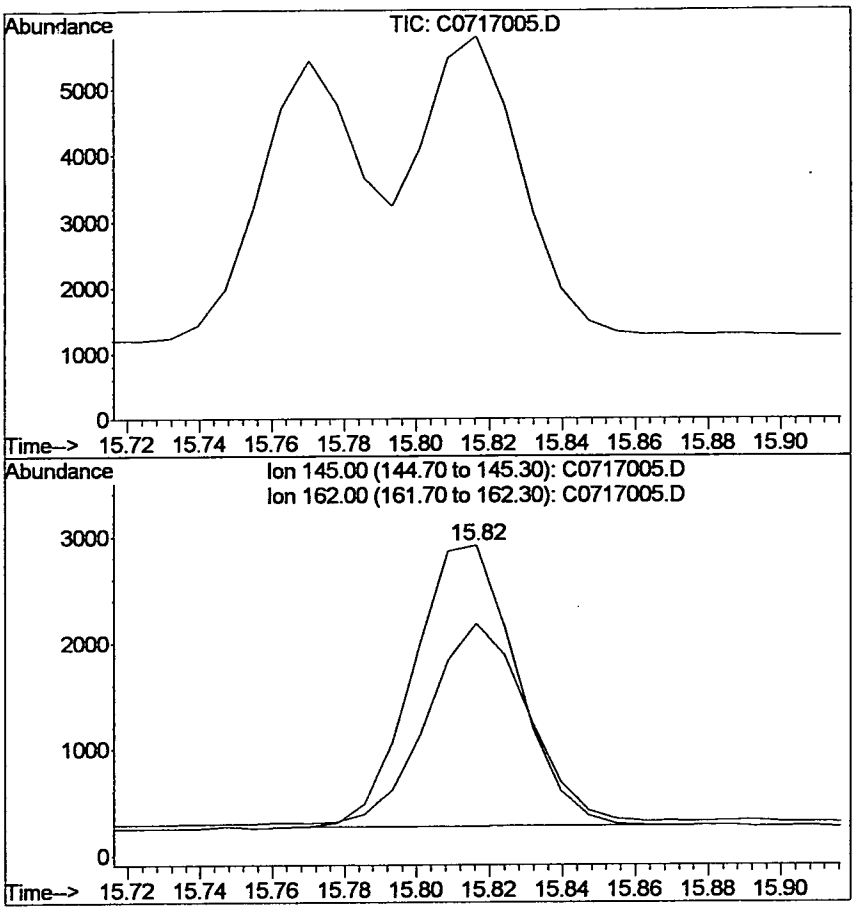
Ion	Ratio	Lower	Upper
113	100		
130	109.9	67.1	137.1



#4
NDEA
Concen: 8.80 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion:120 Resp: 4717

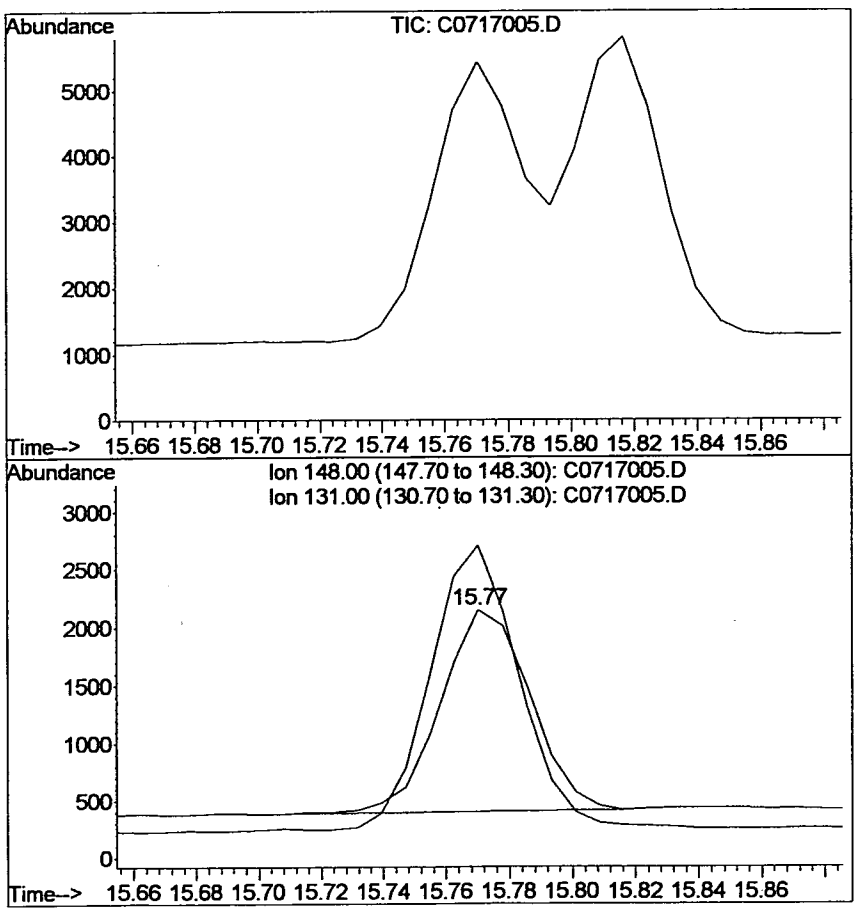
Ion	Ratio	Lower	Upper
120	100		
103	95.9	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion:145 Resp: 5190

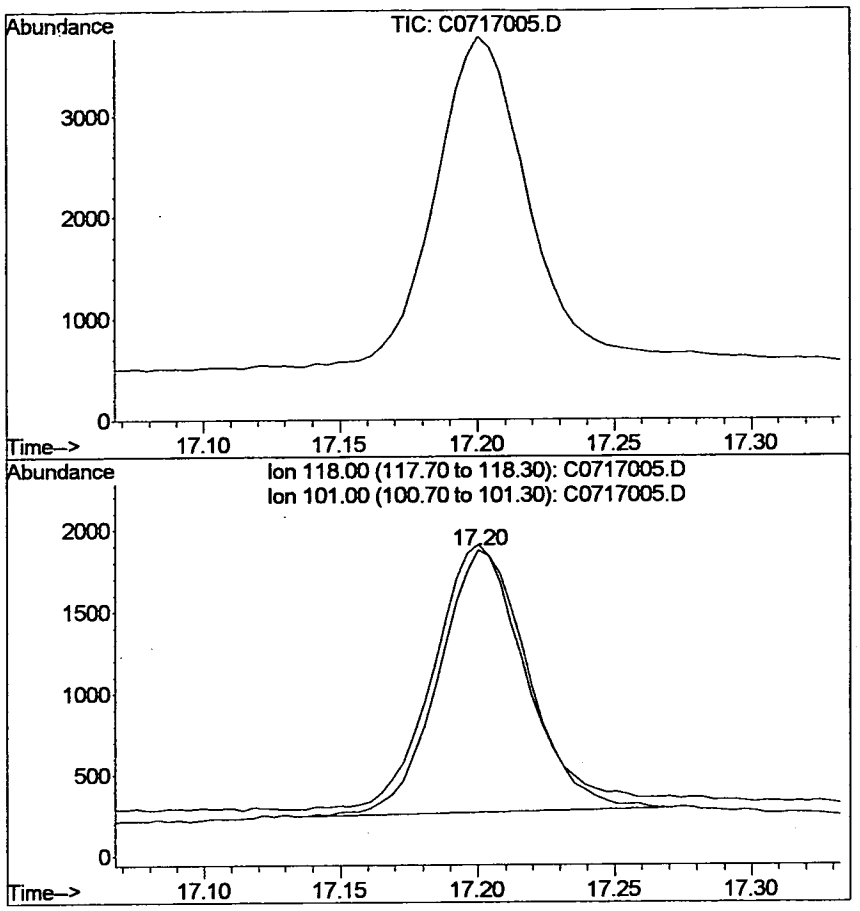
Ion	Ratio	Lower	Upper
145	100		
162	67.8	22.4	102.4



#6
NDPA
Concen: 8.23 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion:148 Resp: 3433

Ion	Ratio	Lower	Upper
148	100		
131	139.2	99.8	207.2



#7
NPYR
Concen: 8.76 PPB
RT: 17.20 min Scan# 1077
Delta R.T. 0.00 min
Lab File: C0717005.D
Acq: 17 Jul 2007 7:02 pm

Tgt Ion:118 Resp: 3637

Ion	Ratio	Lower	Upper
118	100		
101	96.8	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717006.D
Acq On : 17 Jul 2007 7:25 pm
Sample : 7G16057-MSD1
Misc : WATER 1L/1ml ----- Batch 7G16057
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:37 2007

Vial: 7
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00

Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

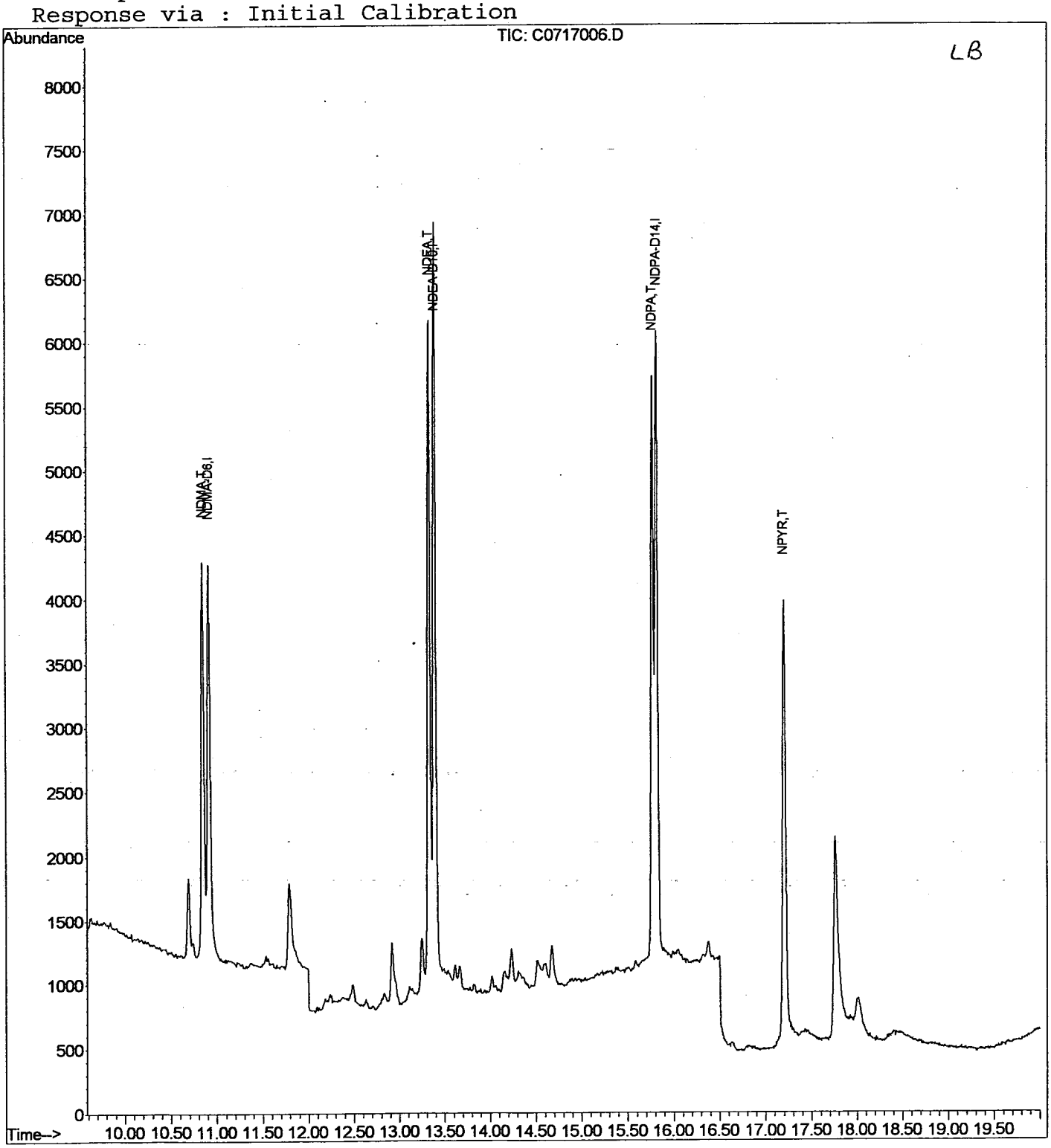
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2596	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5503	10.00 PPB	0.00
5) NDPA-D14	15.82	145	5673	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	4999	9.62 PPB	92
4) NDEA	13.33	120	5419	9.19 PPB	92
6) NDPA	15.77	148	3538	7.76 PPB	95
7) NPYR	17.20	118	3861	8.50 PPB	91

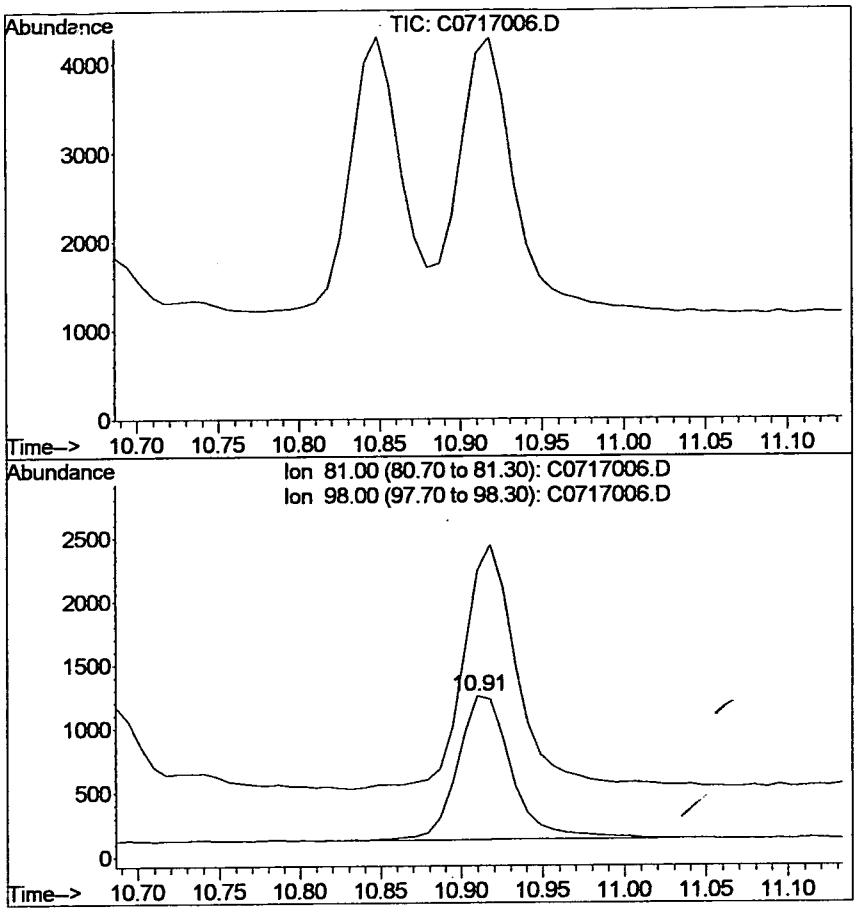
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717006.D Vial: 7
Acq On : 17 Jul 2007 7:25 pm Operator: DF/AI
Sample : 7G16057-MSD1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 17 22:37 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

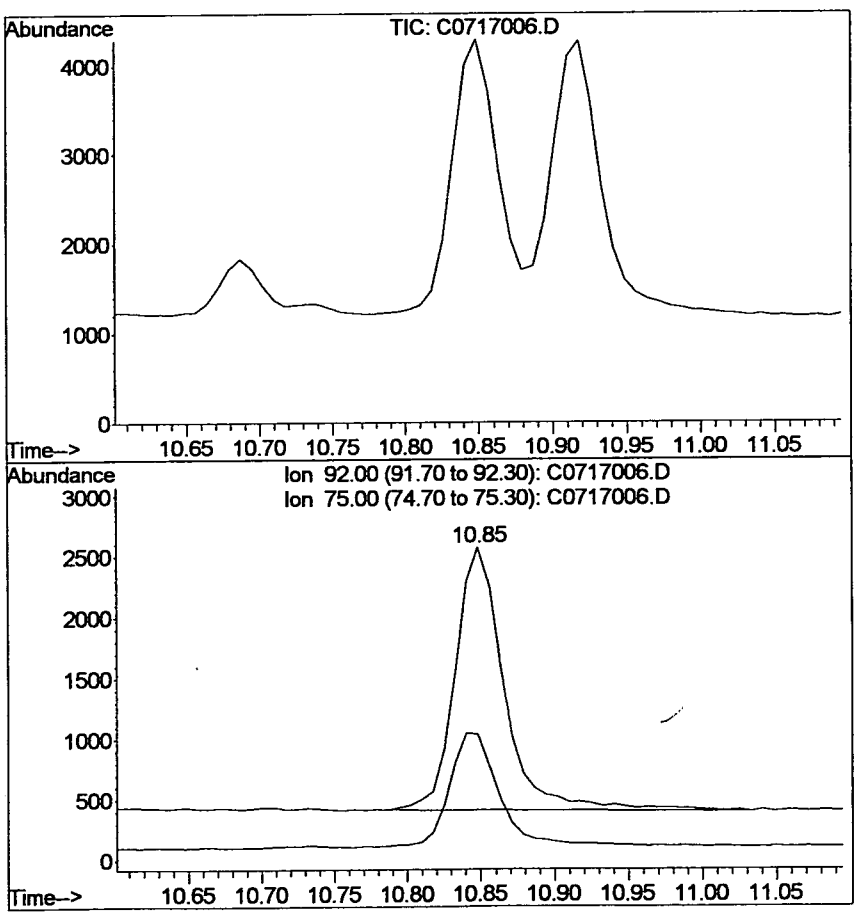




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion: 81 Resp: 2596

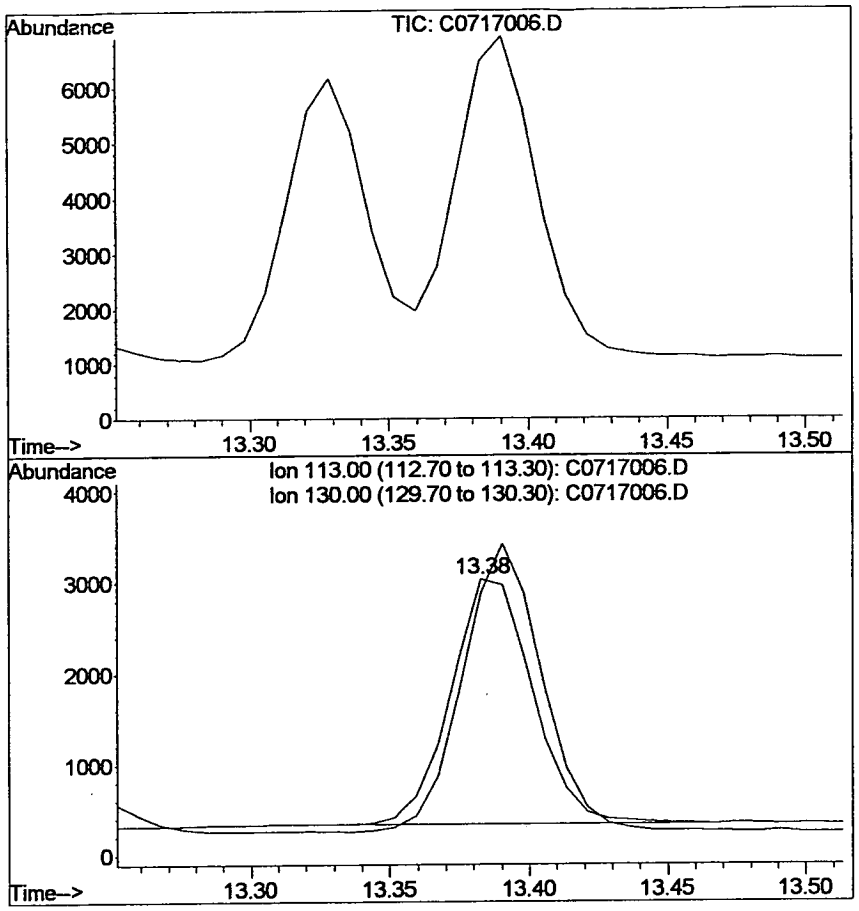
Ion	Ratio	Lower	Upper
81	100		
98	169.6	144.1	224.1



#2
NDMA
Concen: 9.62 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion: 92 Resp: 4999

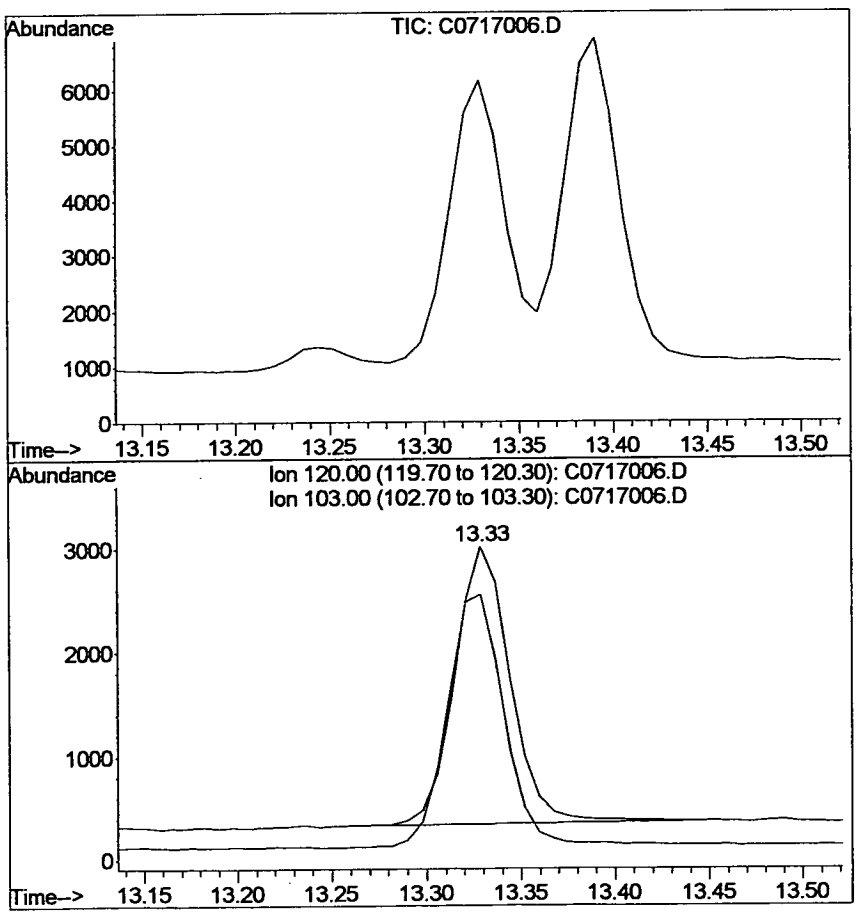
Ion	Ratio	Lower	Upper
92	100		
75	43.4	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion:113 Resp: 5503

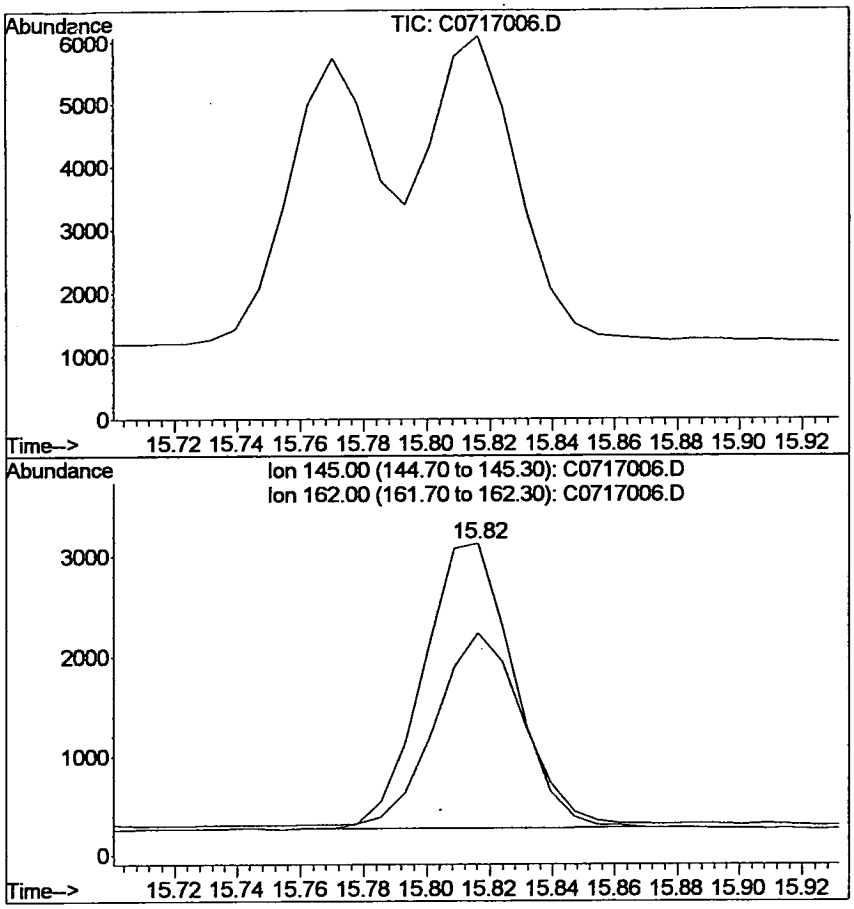
Ion	Ratio	Lower	Upper
113	100		
130	112.5	67.1	137.1



#4
NDEA
Concen: 9.19 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion:120 Resp: 5419

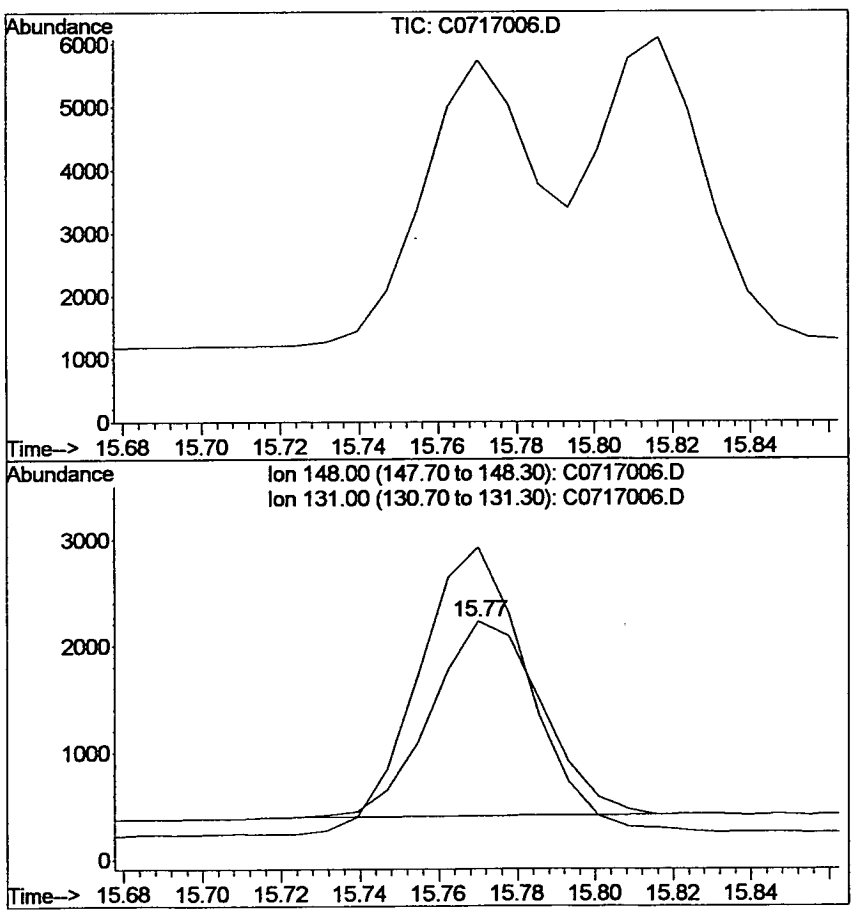
Ion	Ratio	Lower	Upper
120	100		
103	92.1	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion:145 Resp: 5673

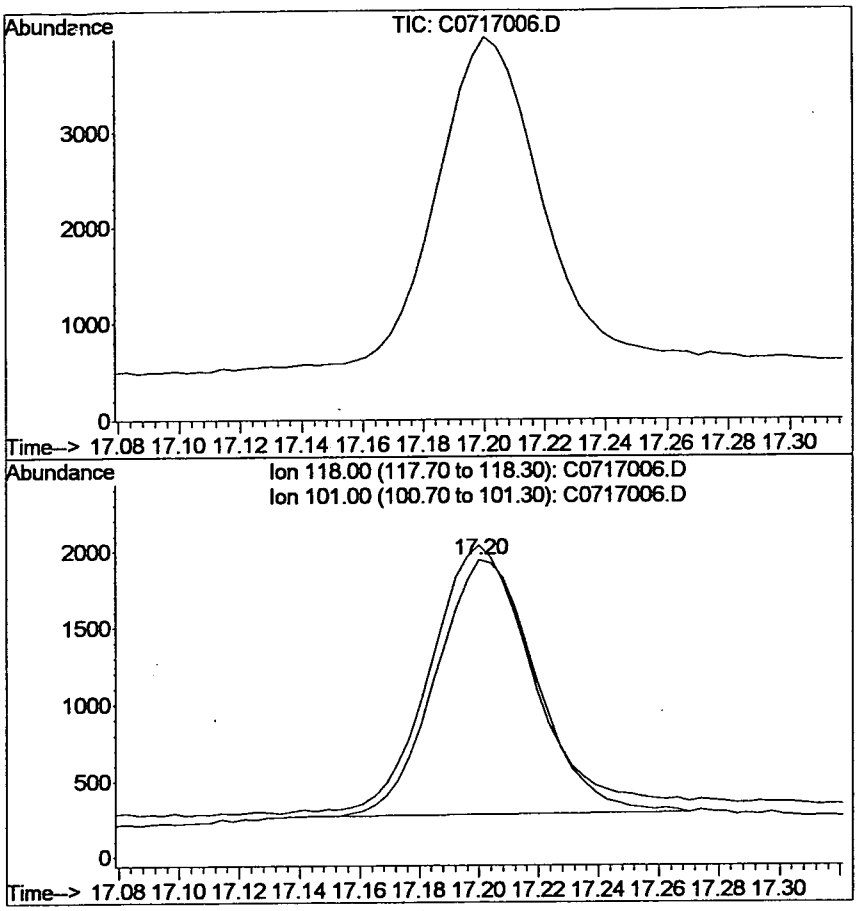
Ion	Ratio	Lower	Upper
145	100		
162	64.7	22.4	102.4



#6
NDPA
Concen: 7.76 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion:148 Resp: 3538

Ion	Ratio	Lower	Upper
148	100		
131	146.9	99.8	207.2



#7
NPYR
Concen: 8.50 PPB
RT: 17.20 min Scan# 1077
Delta R.T. 0.00 min
Lab File: C0717006.D
Acq: 17 Jul 2007 7:25 pm

Tgt Ion:118 Resp: 3861

Ion	Ratio	Lower	Upper
118	100		
101	105.1	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717016.D Vial: 17
Acq On : 17 Jul 2007 11:20 pm Operator: DF/AI
Sample : IQG1031-01 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	2610	10.00	PPB		0.00
3) NDEA-D10	13.38	113	5561	10.00	PPB		0.00
5) NDPA-D14	15.81	145	6001	10.00	PPB		0.00

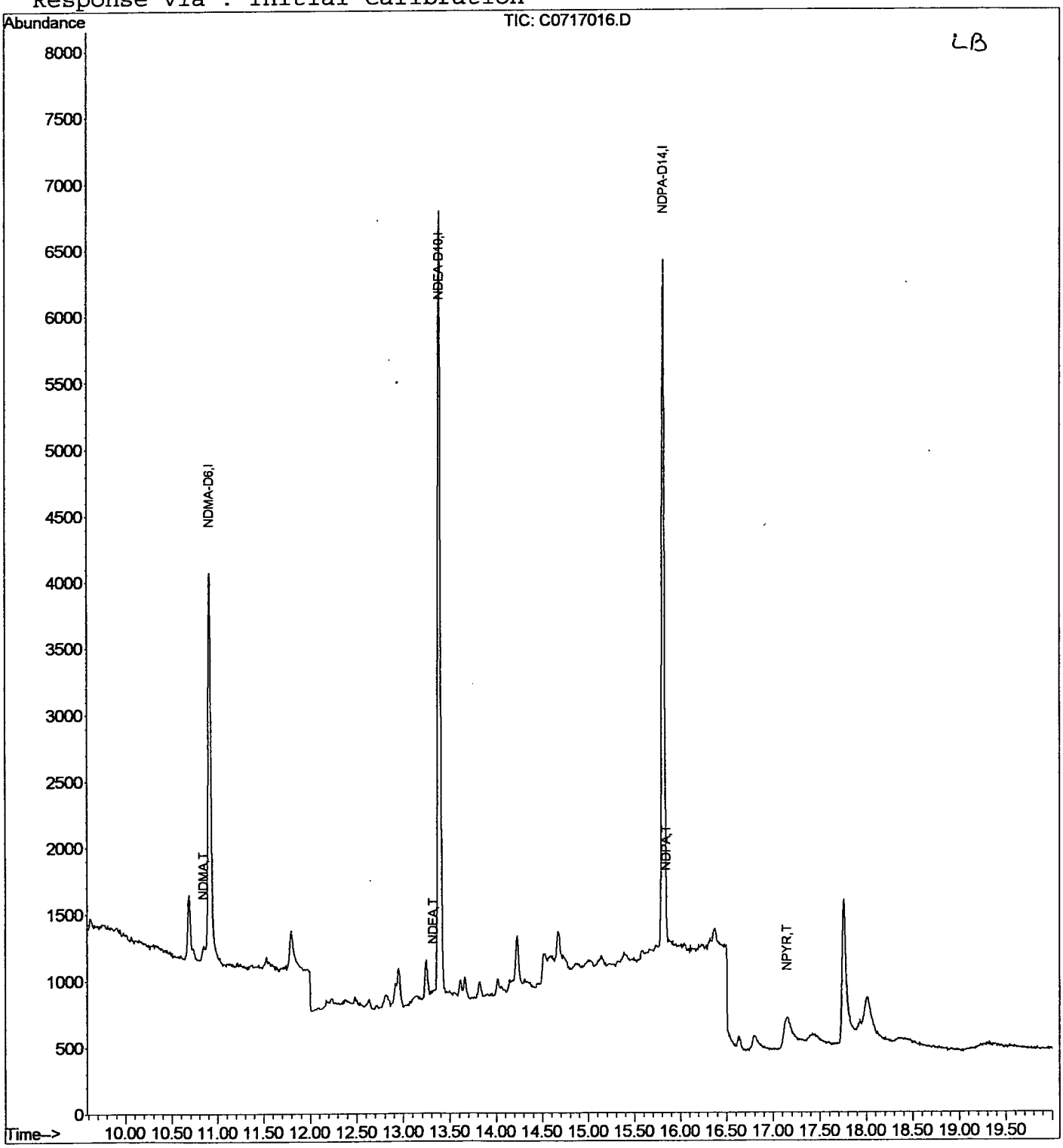
Target Compounds							Qvalue
2) NDMA	10.85	92	150	0.29	PPB		82
4) NDEA	13.33	120	89	0.15	PPB	#	41
6) NDPA	15.85	148	46	0.10	PPB		94
7) NPYR	17.15	118	1032	2.15	PPB	#	3

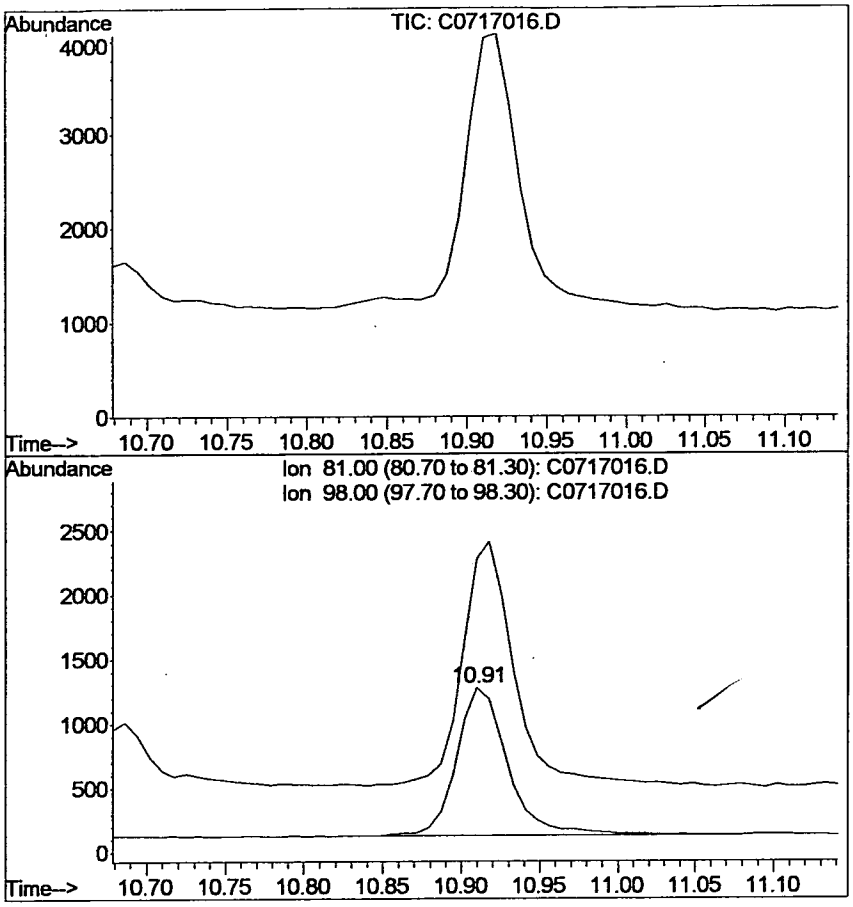
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717016.D Vial: 17
Acq On : 17 Jul 2007 11:20 pm Operator: DF/AI
Sample : IQG1031-01 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

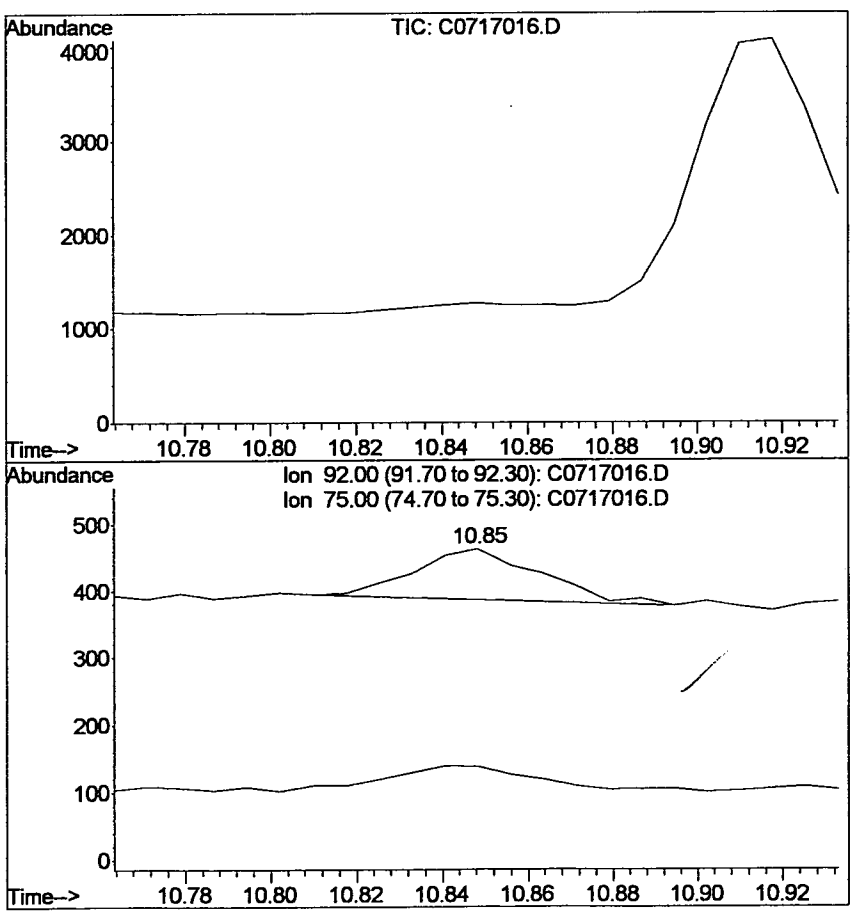




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion: 81 Resp: 2610

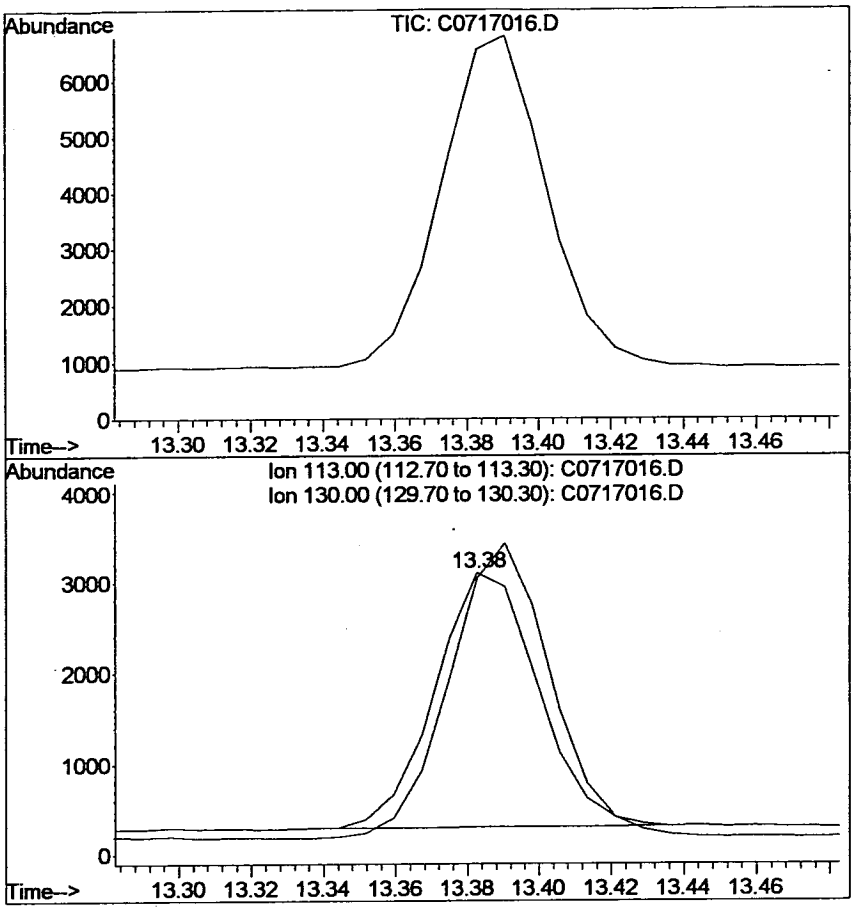
Ion	Ratio	Lower	Upper
81	100		
98	166.6	144.1	224.1



#2
NDMA
Concen: 0.29 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion: 92 Resp: 150

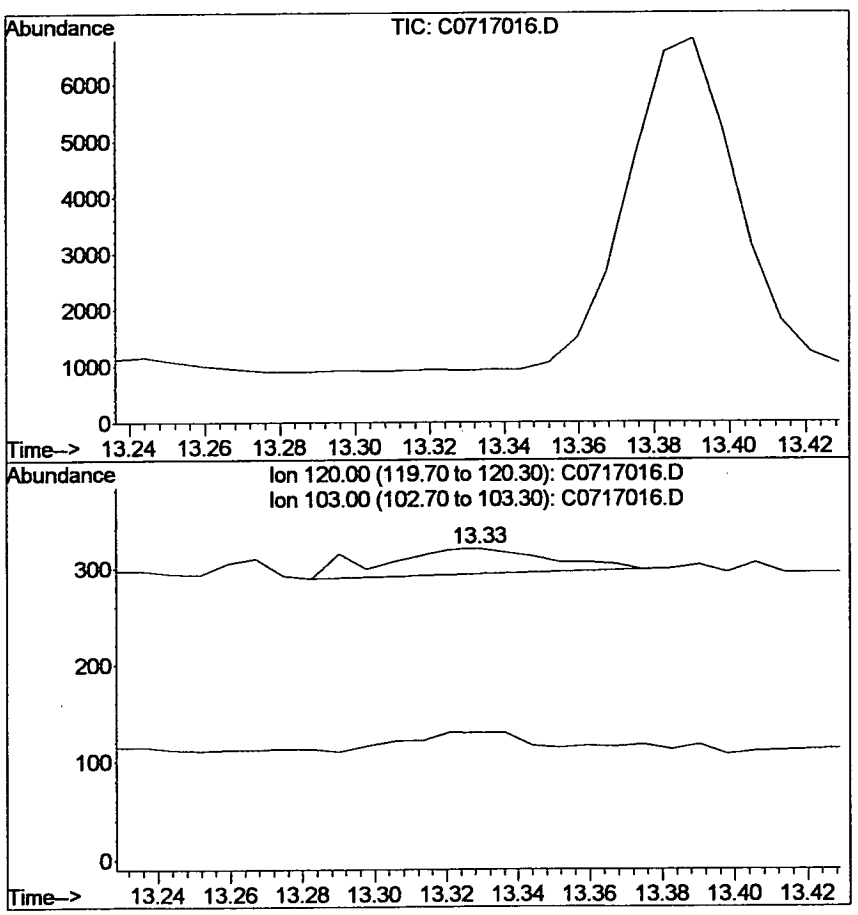
Ion	Ratio	Lower	Upper
92	100		
75	61.3	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion:113 Resp: 5561

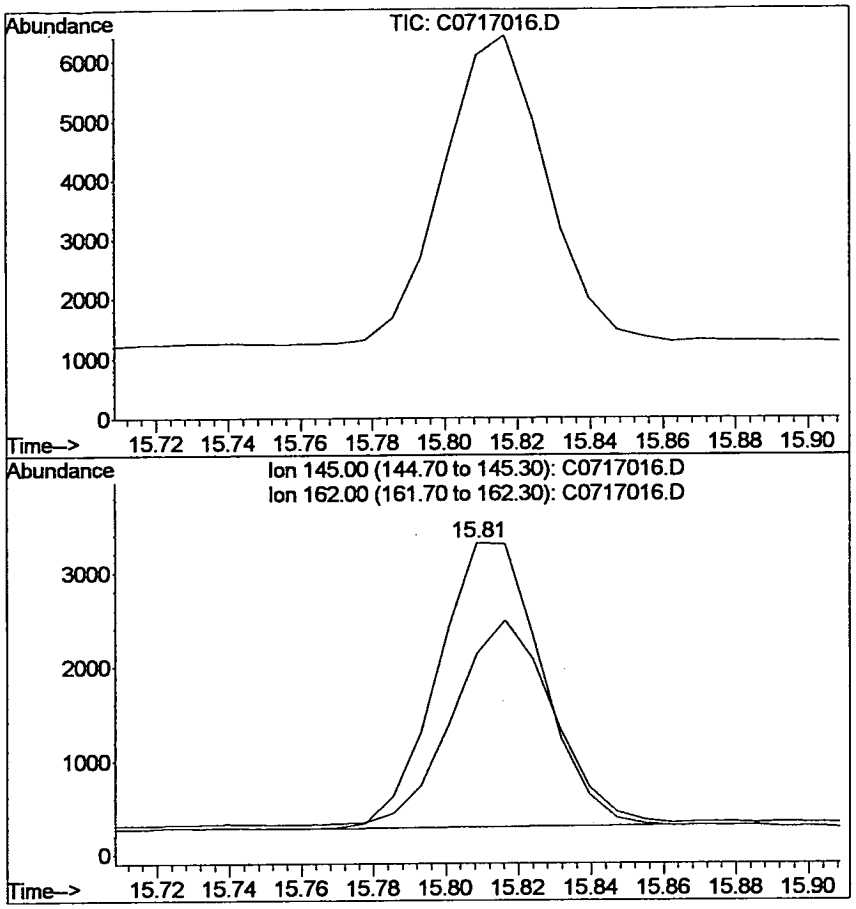
Ion	Ratio	Lower	Upper
113	100		
130	114.5	67.1	137.1



#4
NDEA
Concen: 0.15 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion:120 Resp: 89

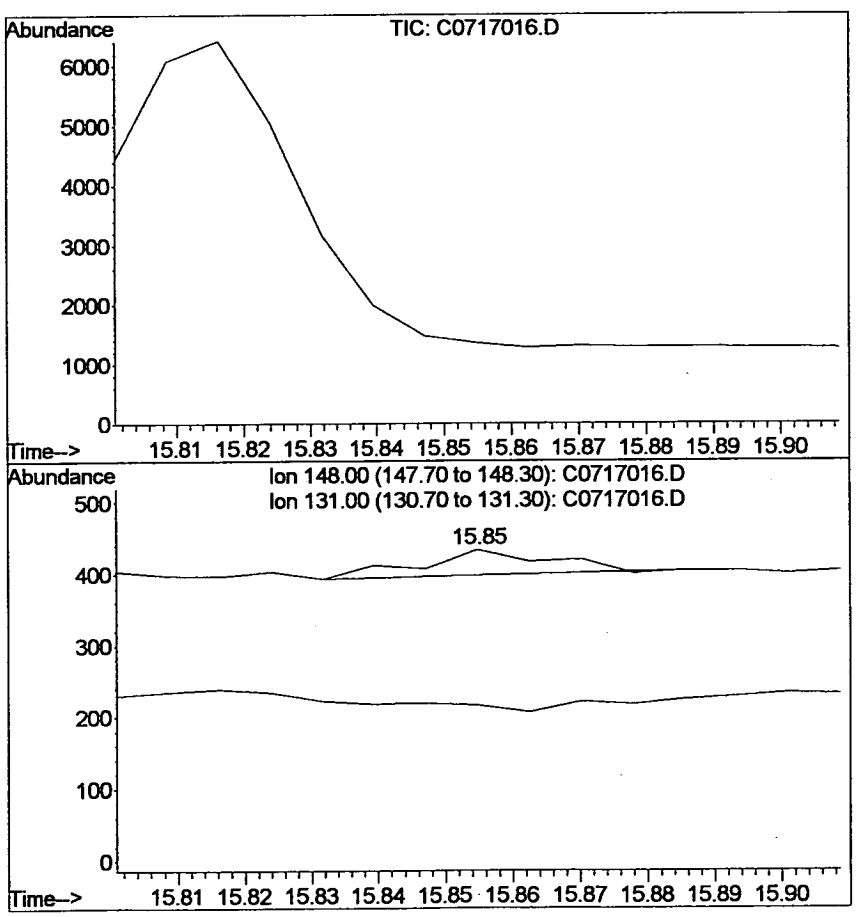
Ion	Ratio	Lower	Upper
120	100		
103	41.6	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion:145 Resp: 6001

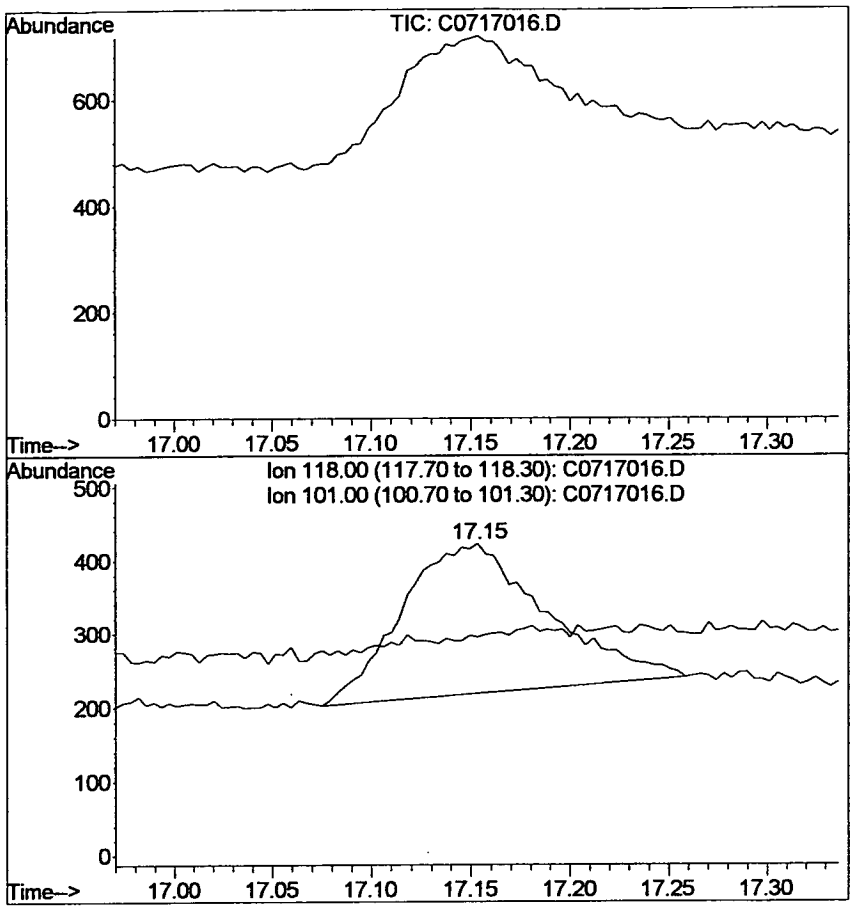
Ion	Ratio	Lower	Upper
145	100		
162	67.5	22.4	102.4



#6
NDPA
Concen: 0.10 PPB
RT: 15.85 min Scan# 815
Delta R.T. 0.08 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion:148 Resp: 46

Ion	Ratio	Lower	Upper
148	100		
131	160.9	99.8	207.2



#7
NPYR
Concen: 2.15 PPB
RT: 17.15 min Scan# 1065
Delta R.T. -0.04 min
Lab File: C0717016.D
Acq: 17 Jul 2007 11:20 pm

Tgt Ion:118 Resp: 1032

Ion	Ratio	Lower	Upper
118	100		
101	1.5	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717017.D
Acq On : 17 Jul 2007 11:43 pm
Sample : IQG1031-02
Misc : WATER 1L/1ml ----- Batch 7G16057
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007

Vial: 18
Operator: DF/AI
Inst : gcms37
Multiplr: 1.00
Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	2702	10.00	PPB		0.00
3) NDEA-D10	13.38	113	5819	10.00	PPB		0.00
5) NDPA-D14	15.81	145	6213	10.00	PPB		0.00

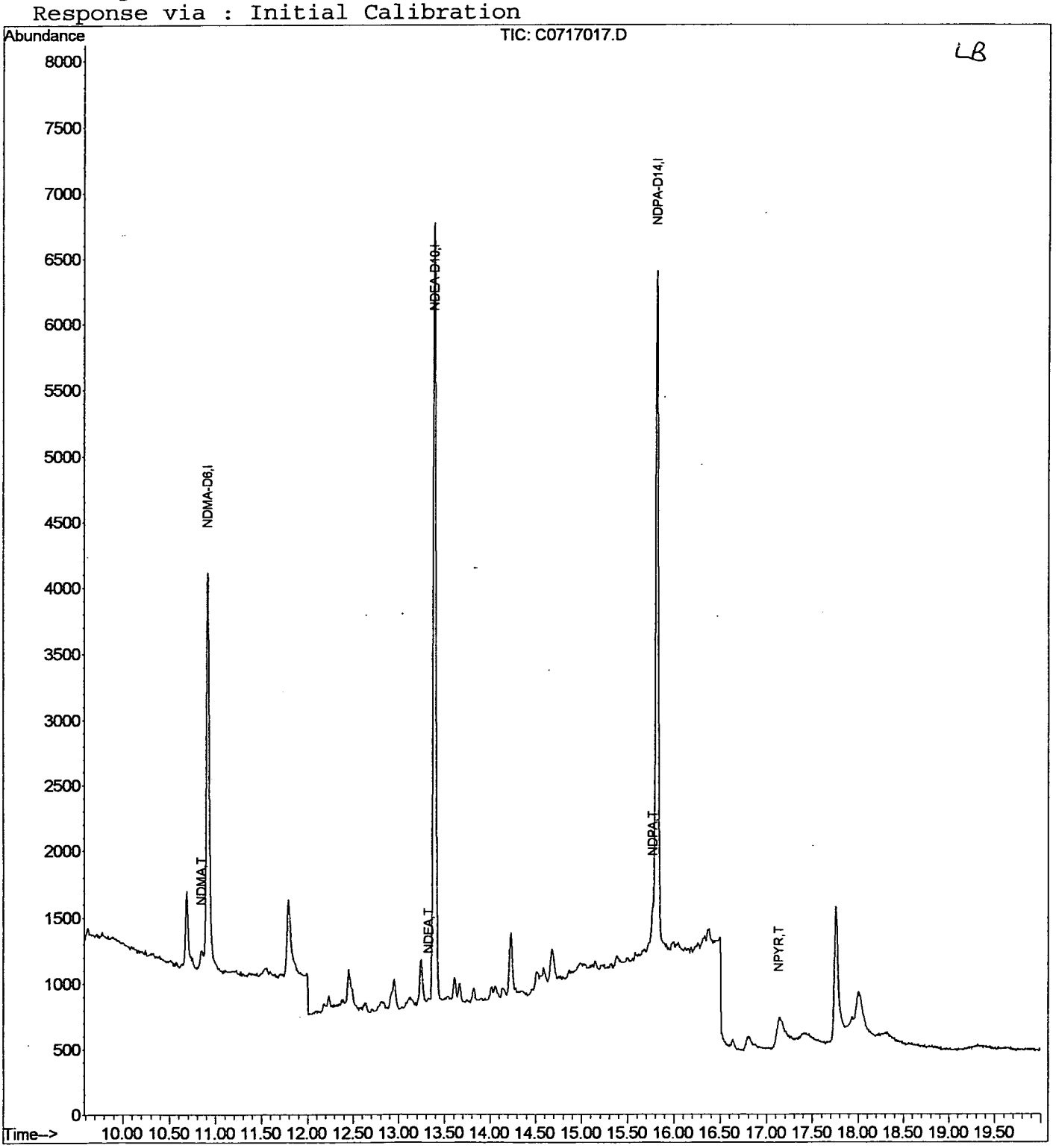
Target Compounds							Qvalue
2) NDMA	10.85	92	192	0.35	PPB		94
4) NDEA	13.34	120	87	0.14	PPB		80
6) NDPA	15.77	148	321	0.64	PPB	#	53
7) NPYR	17.14	118	106	0.21	PPB	#	11

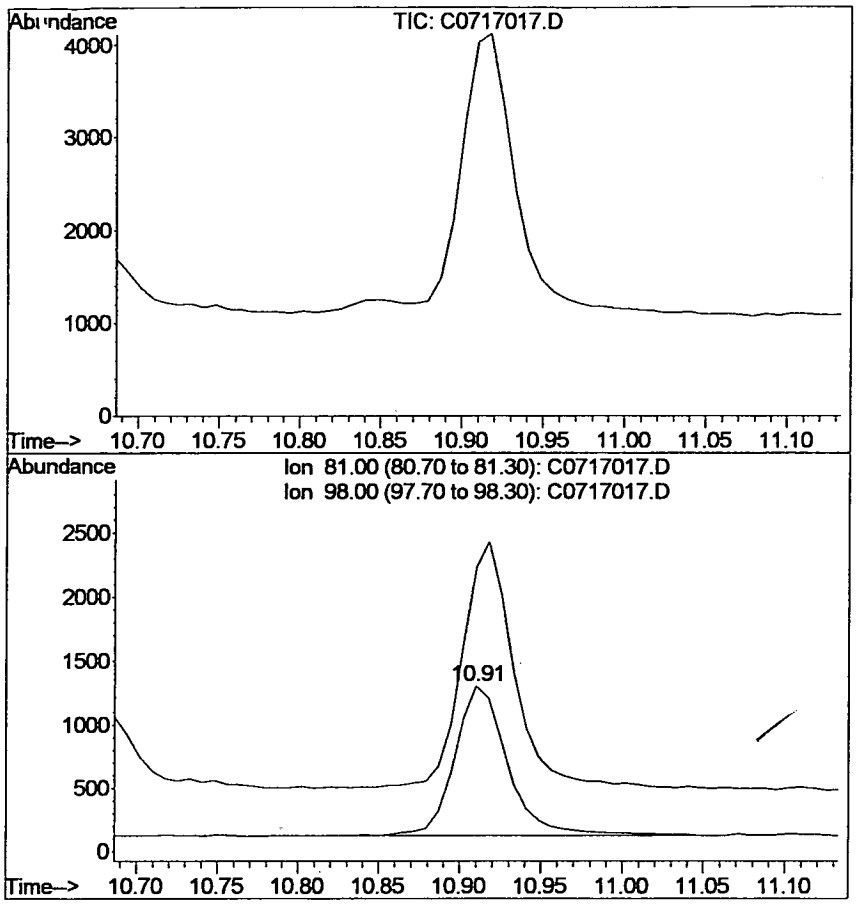
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717017.D Vial: 18
Acq On : 17 Jul 2007 11:43 pm Operator: DF/AI
Sample : IQG1031-02 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

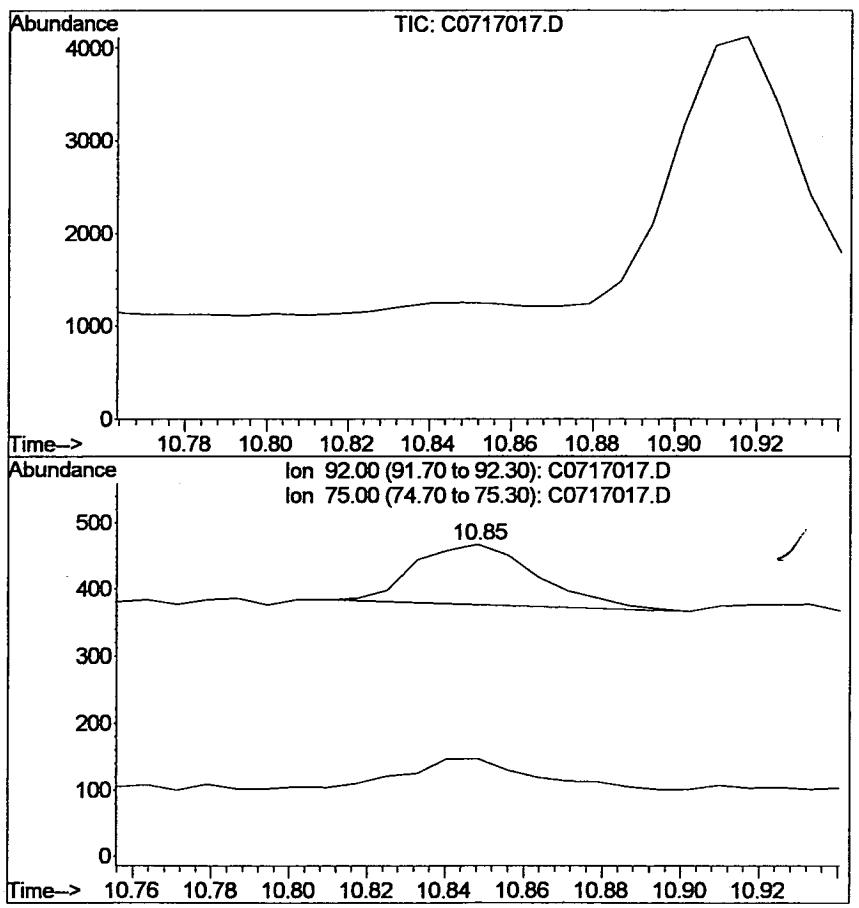




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion: 81 Resp: 2702

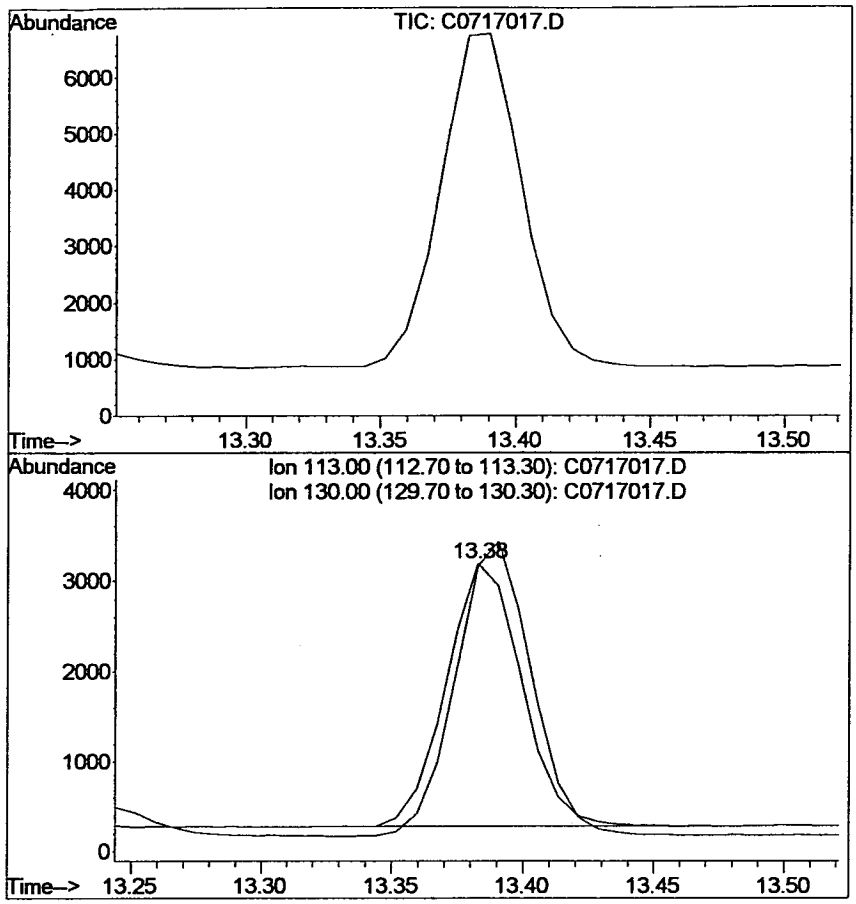
Ion	Ratio	Lower	Upper
81	100		
98	157.3	144.1	224.1



#2
NDMA
Concen: 0.35 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion: 92 Resp: 192

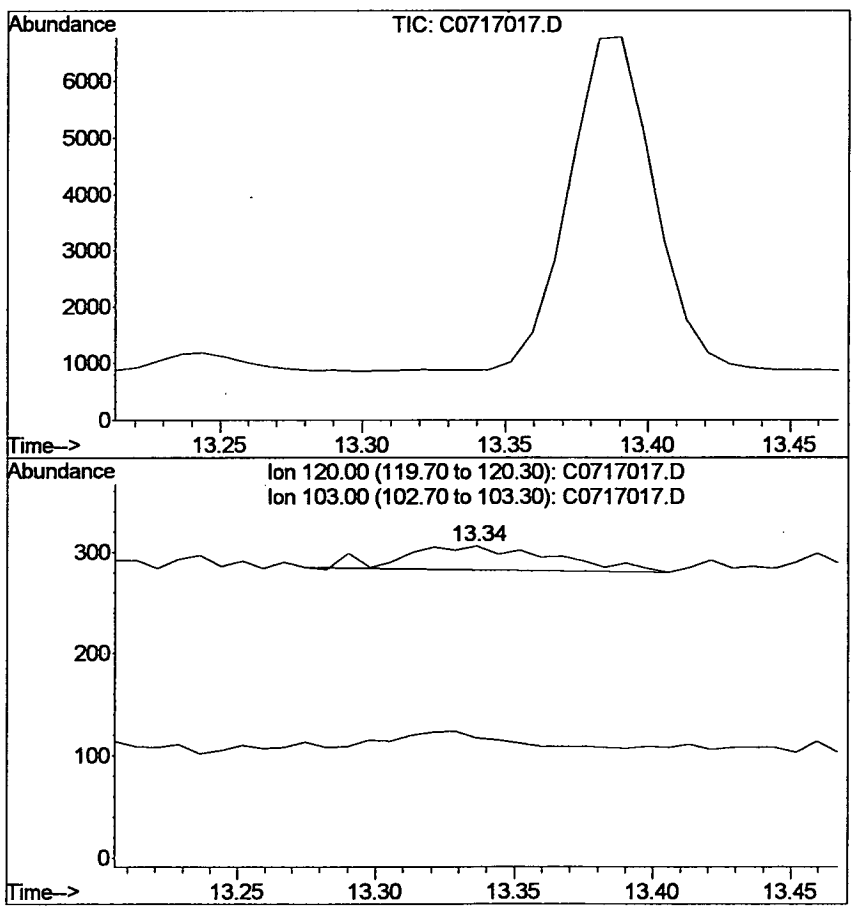
Ion	Ratio	Lower	Upper
92	100		
75	53.1	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion:113 Resp: 5819

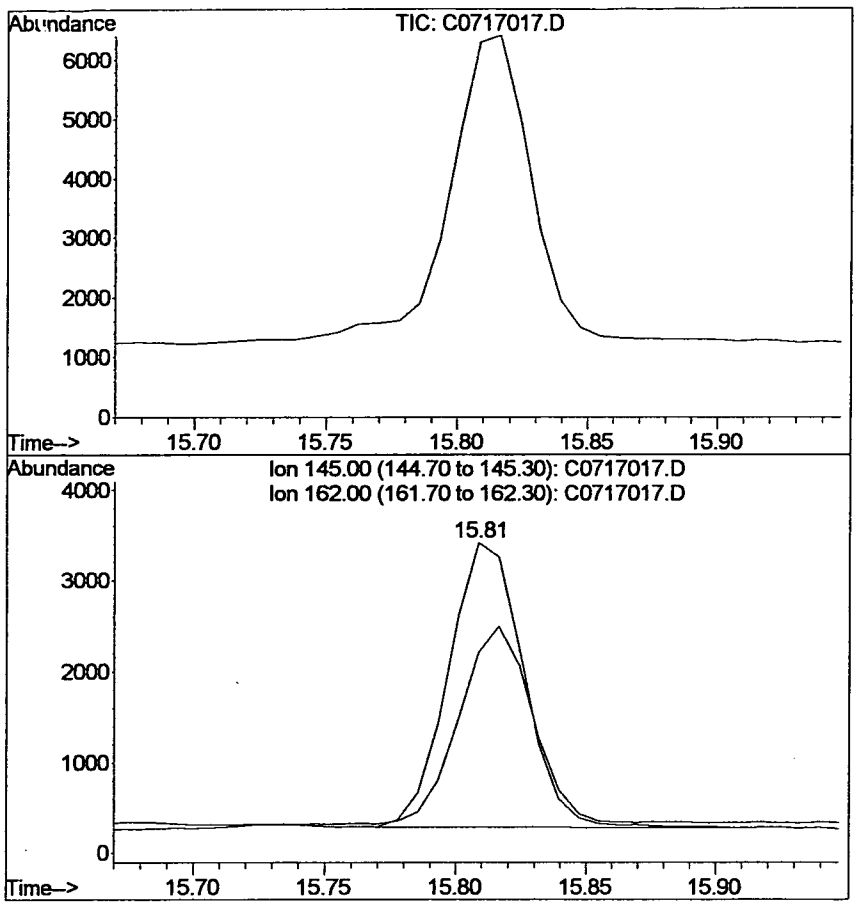
Ion	Ratio	Lower	Upper
113	100		
130	112.0	67.1	137.1



#4
NDEA
Concen: 0.14 PPB
RT: 13.34 min Scan# 488
Delta R.T. 0.02 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion:120 Resp: 87

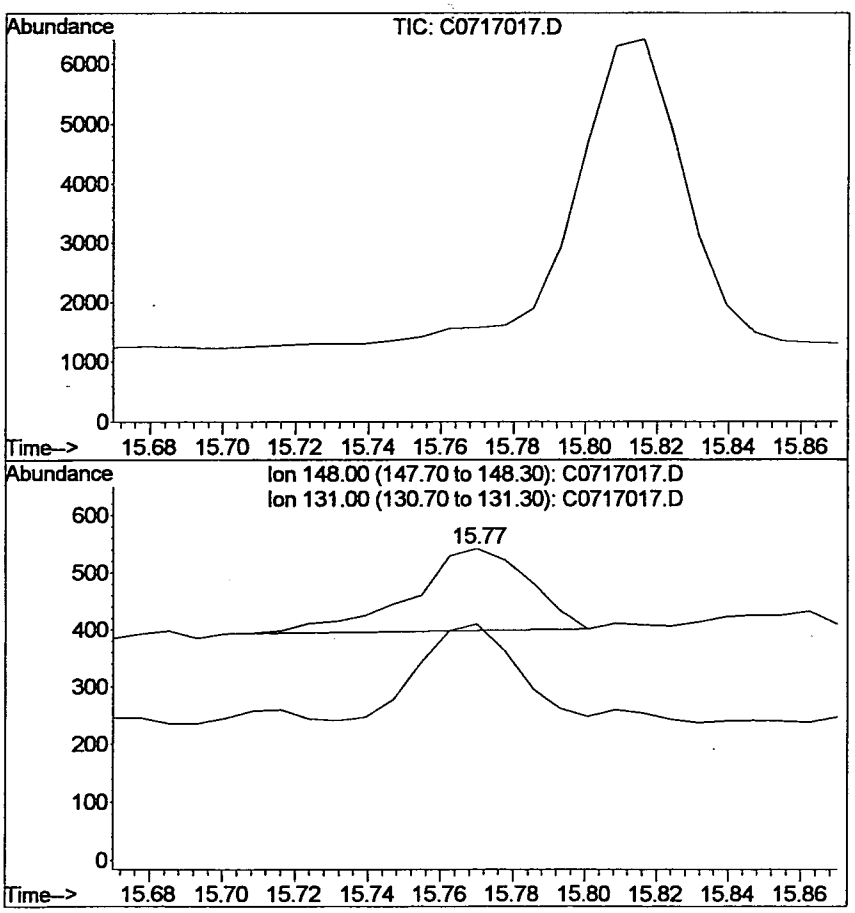
Ion	Ratio	Lower	Upper
120	100		
103	80.5	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion:145 Resp: 6213

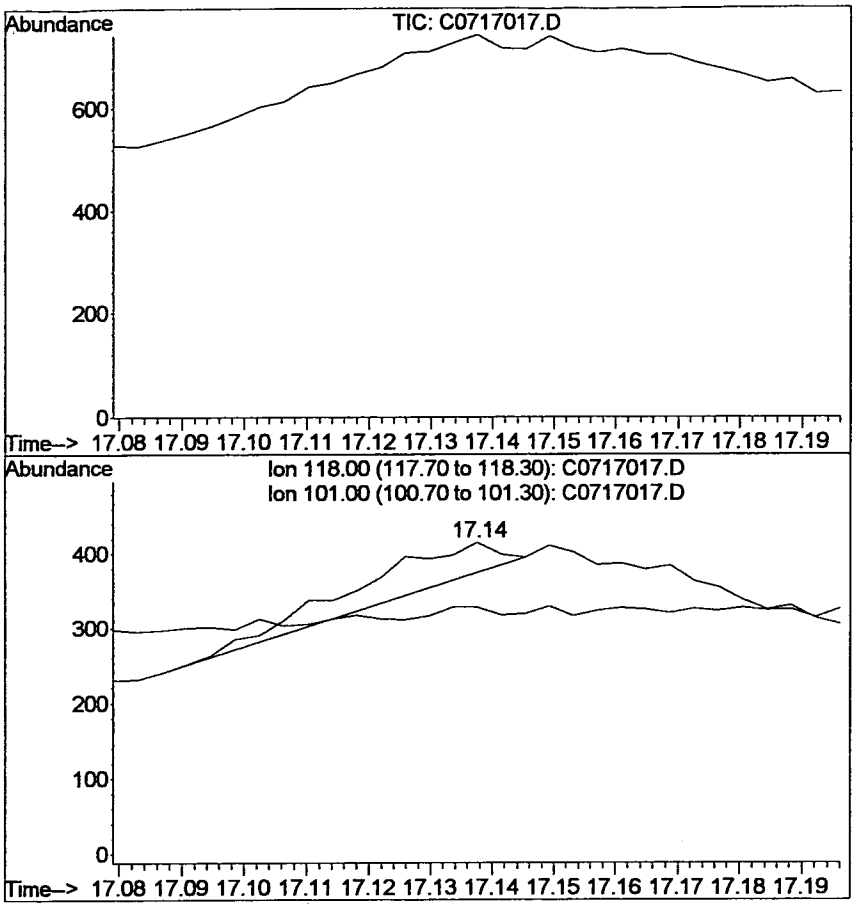
Ion	Ratio	Lower	Upper
145	100		
162	66.6	22.4	102.4



#6
NDPA
Concen: 0.64 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion:148 Resp: 321

Ion	Ratio	Lower	Upper
148	100		
131	92.8	99.8	207.2#



#7
NPYR
Concen: 0.21 PPB
RT: 17.14 min Scan# 1061
Delta R.T. -0.06 min
Lab File: C0717017.D
Acq: 17 Jul 2007 11:43 pm

Tgt Ion:118 Resp: 106

Ion	Ratio	Lower	Upper
118	100		
101	9.4	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717018.D Vial: 19
Acq On : 18 Jul 2007 12:07 am Operator: DF/AI
Sample : IQG1031-03 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

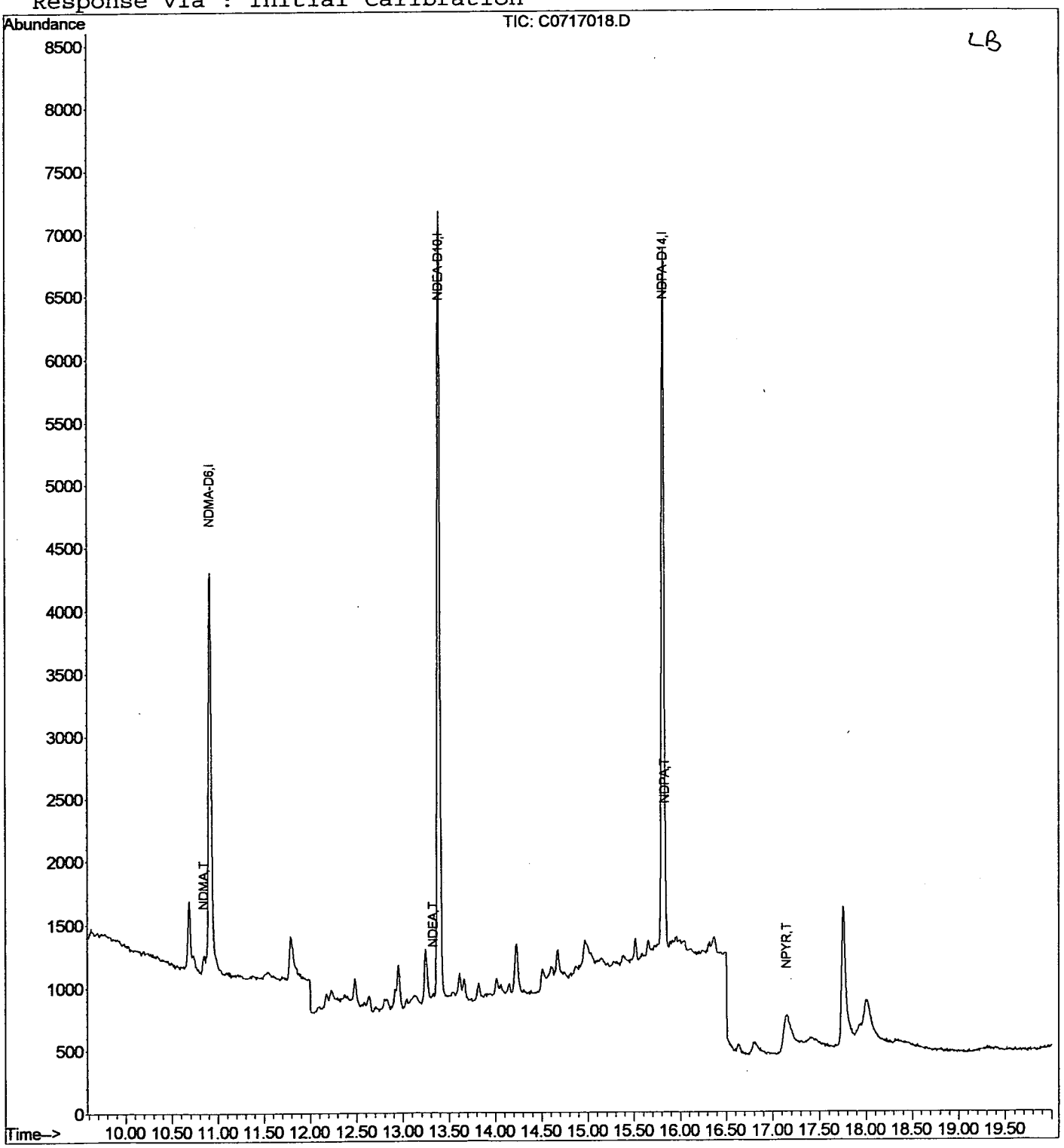
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	2784	10.00	PPB		0.00
3) NDEA-D10	13.38	113	5942	10.00	PPB		0.00
5) NDPA-D14	15.82	145	6377	10.00	PPB		0.00
Target Compounds							**Qvalue**
2) NDMA	10.85	92	237	0.43	PPB	#	71
4) NDEA	13.33	120	19	0.03	PPB	#	1
6) NDPA	15.85	148	22	0.04	PPB		67
7) NPYR	17.15	118	1369	2.68	PPB	#	2

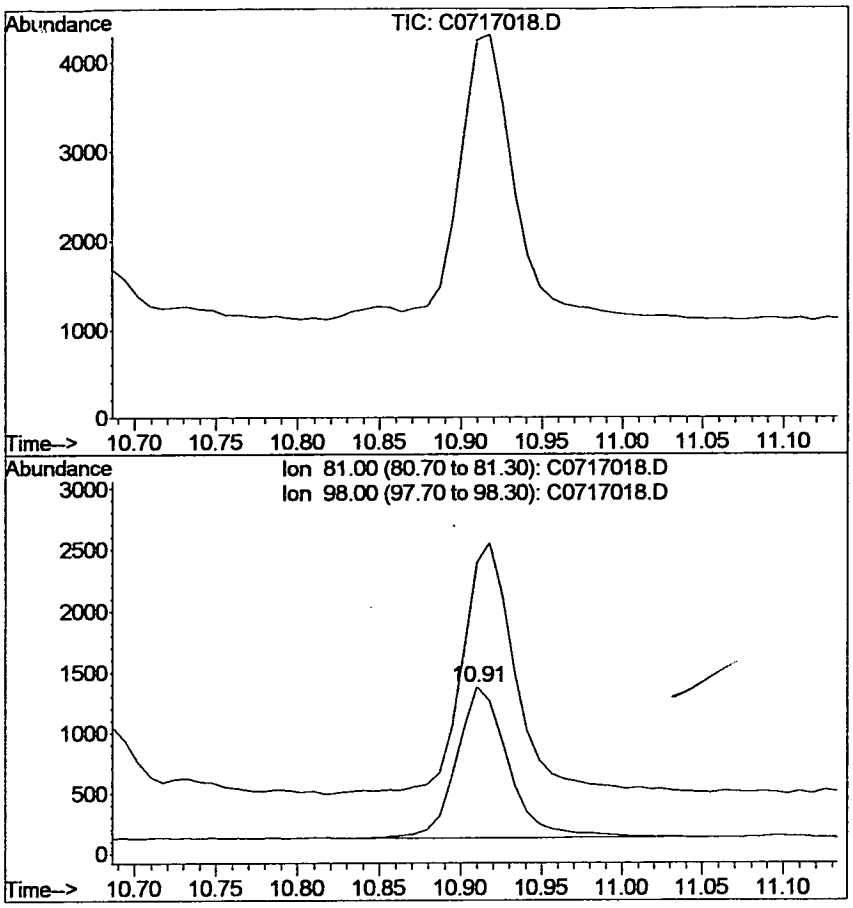
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717018.D Vial: 19
Acq On : 18 Jul 2007 12:07 am Operator: DF/AI
Sample : IQG1031-03 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

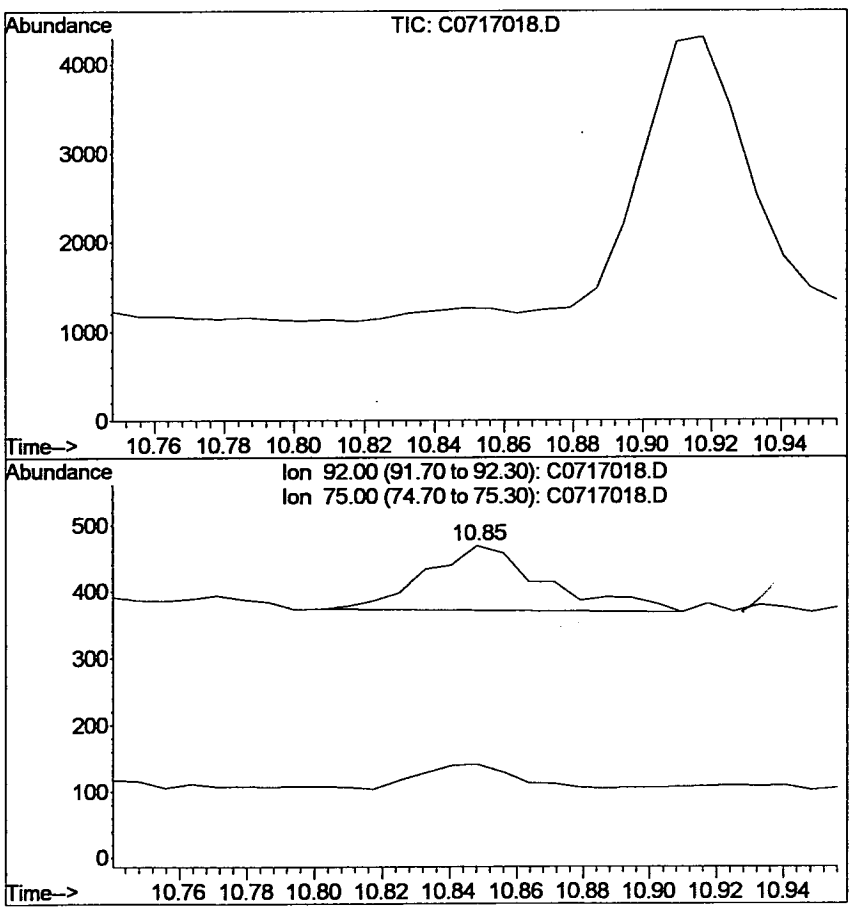




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion: 81 Resp: 2784

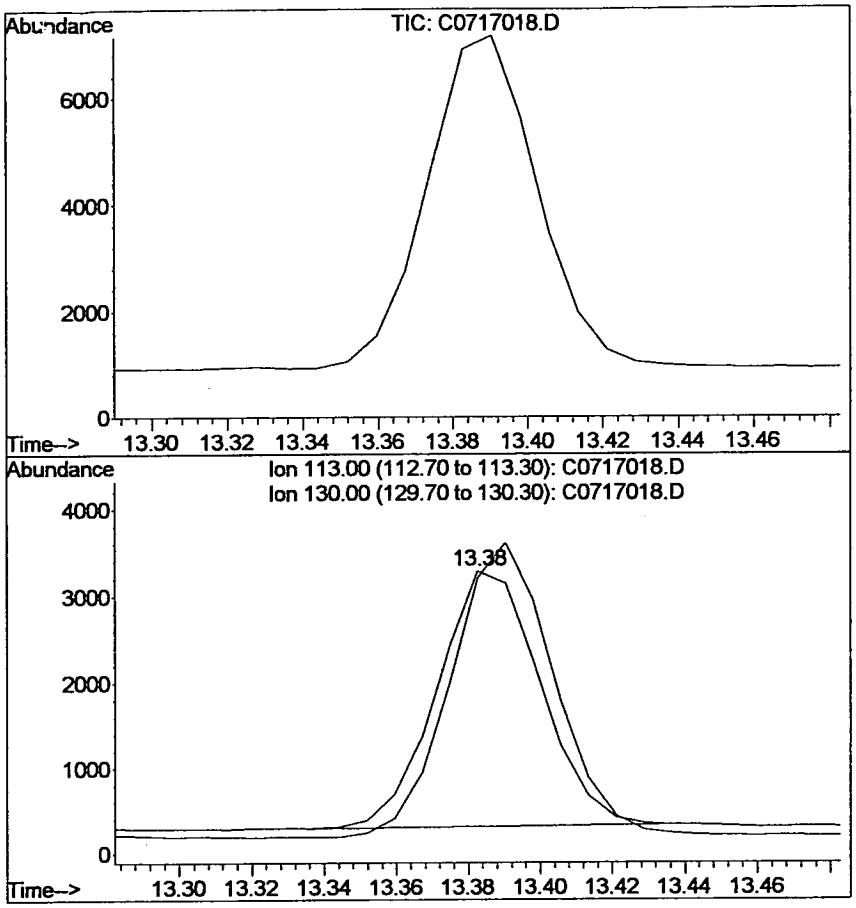
Ion	Ratio	Lower	Upper
81	100		
98	163.8	144.1	224.1



#2
NDMA
Concen: 0.43 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion: 92 Resp: 237

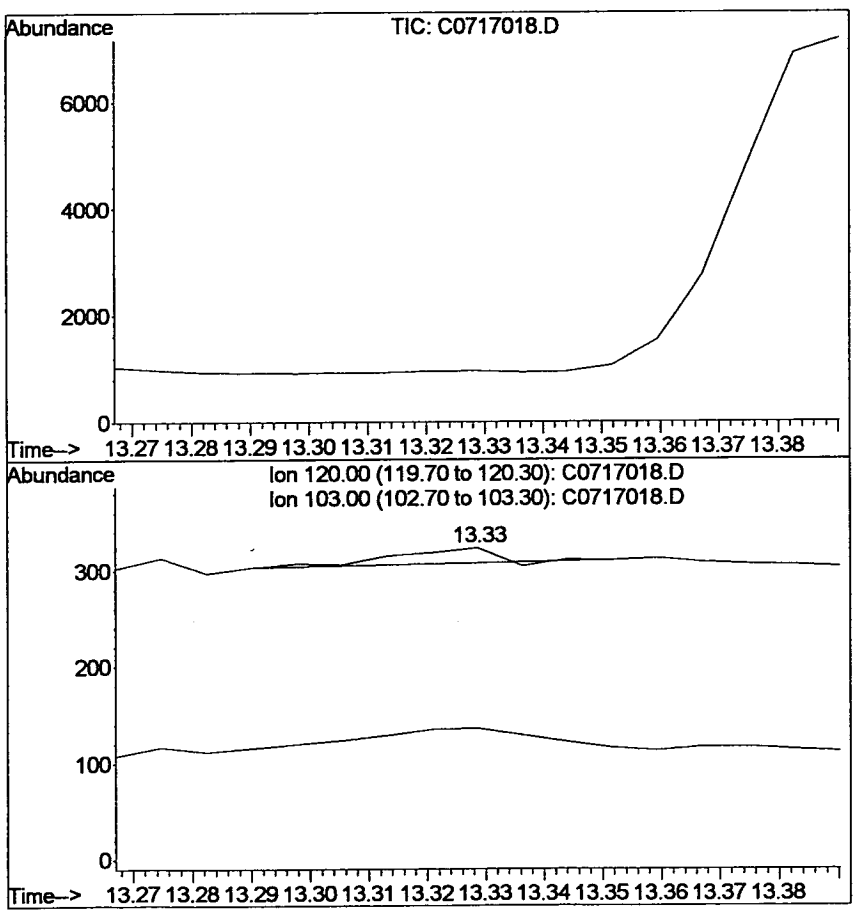
Ion	Ratio	Lower	Upper
92	100		
75	29.1	31.8	66.0#



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion:113 Resp: 5942

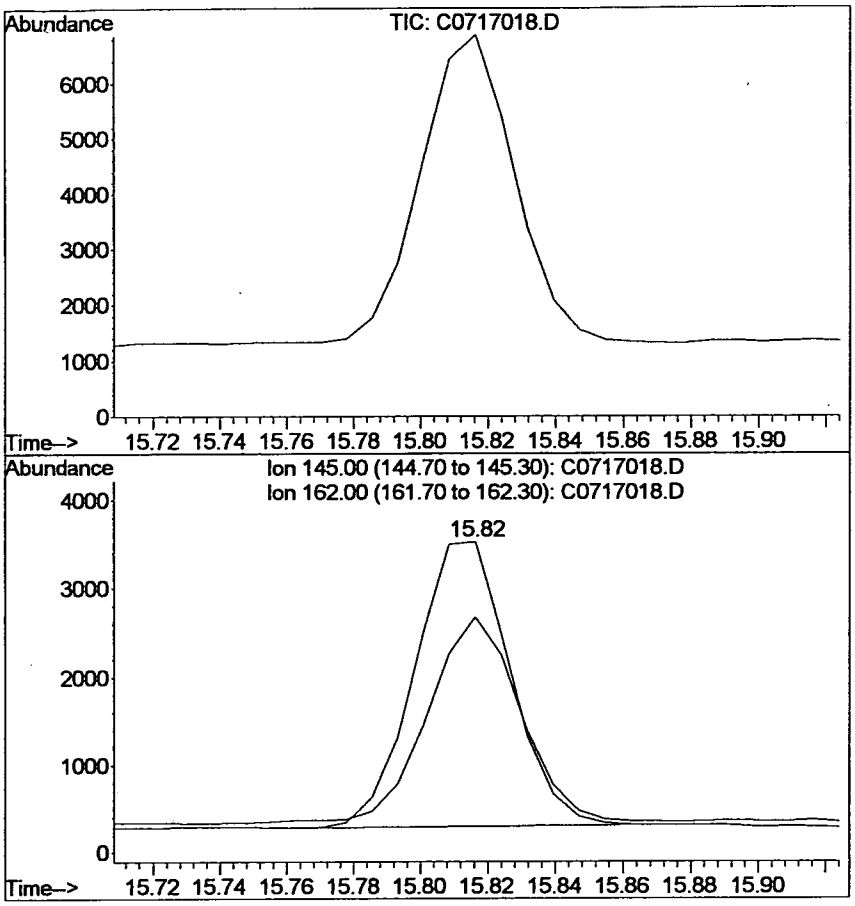
Ion	Ratio	Lower	Upper
113	100		
130	114.0	67.1	137.1



#4
NDEA
Concen: 0.03 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion:120 Resp: 19

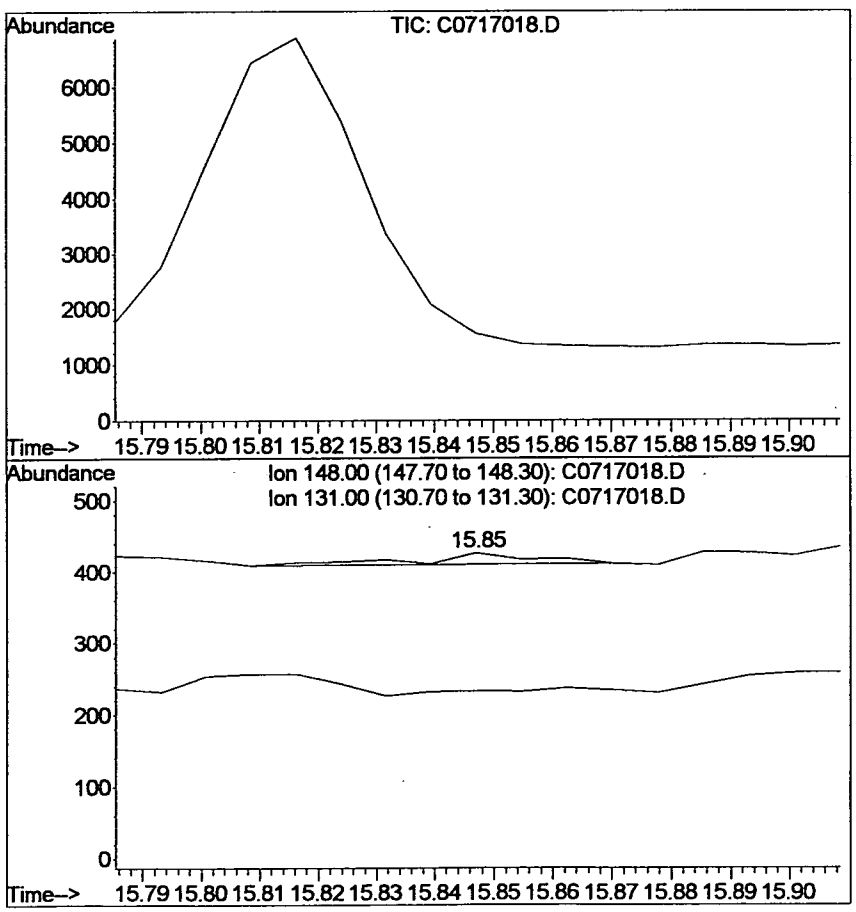
Ion	Ratio	Lower	Upper
120	100		
103	347.4	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion:145 Resp: 6377

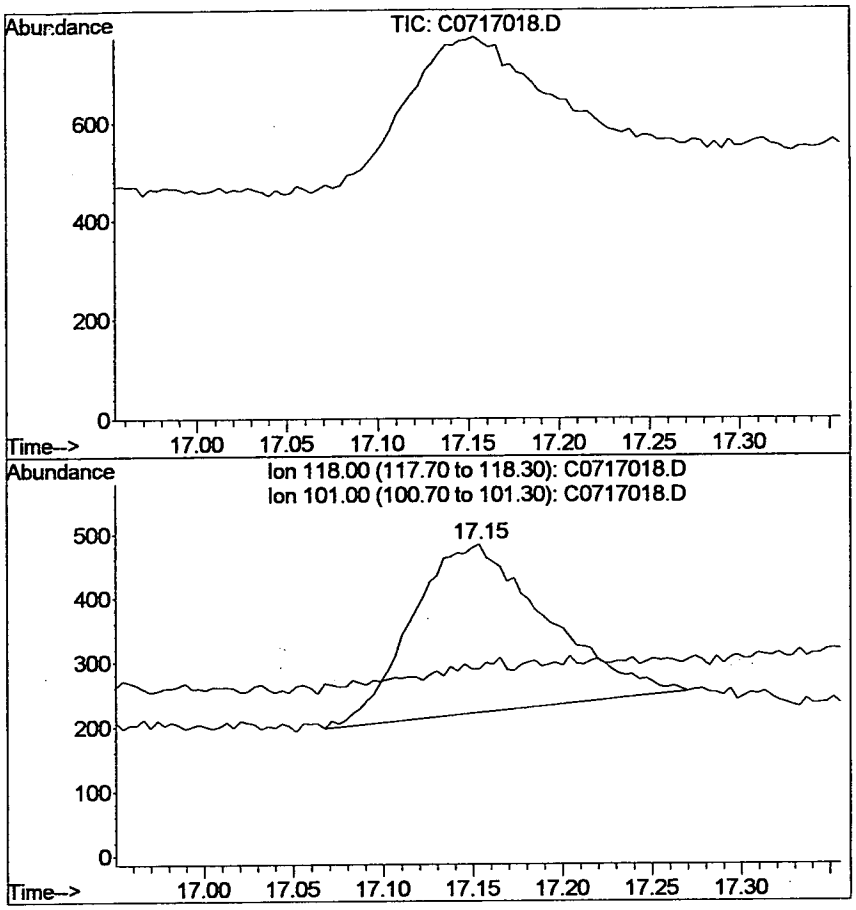
Ion	Ratio	Lower	Upper
145	100		
162	67.5	22.4	102.4



#6
NDPA
Concen: 0.04 PPB
RT: 15.85 min Scan# 814
Delta R.T. 0.08 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion:148 Resp: 22

Ion	Ratio	Lower	Upper
148	100		
131	195.5	99.8	207.2



#7
NPYR
Concen: 2.68 PPB
RT: 17.15 min Scan# 1065
Delta R.T. -0.04 min
Lab File: C0717018.D
Acq: 18 Jul 2007 12:07 am

Tgt Ion:118 Resp: 1369

Ion	Ratio	Lower	Upper
118	100		
101	0.7	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717019.D Vial: 20
Acq On : 18 Jul 2007 12:30 am Operator: DF/AI
Sample : IQG1031-04 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) NDMA-D6	10.91	81	2665	10.00 PPB		0.00
3) NDEA-D10	13.38	113	5939	10.00 PPB		0.00
5) NDPA-D14	15.81	145	6436	10.00 PPB		0.00

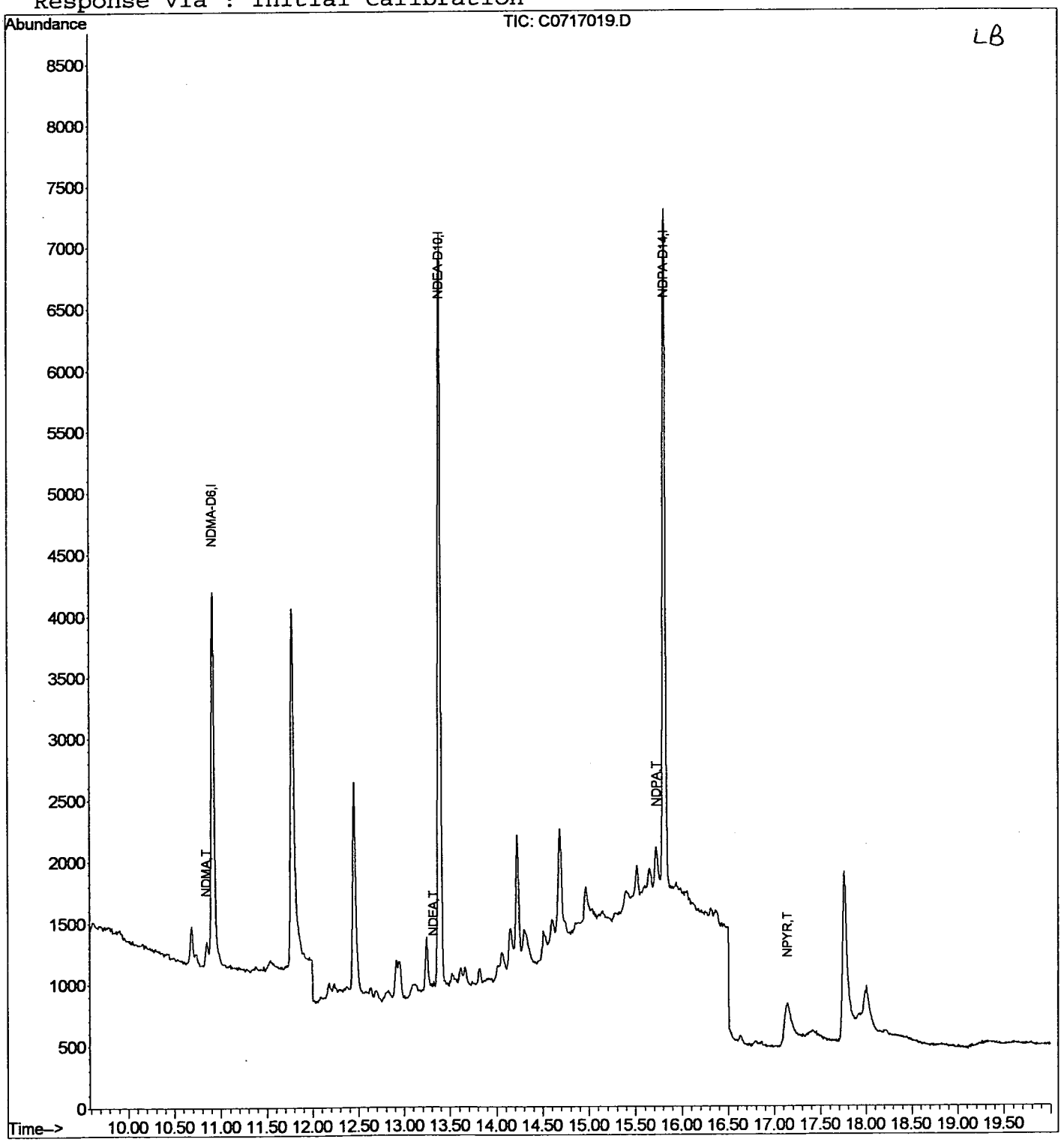
Target Compounds						Qvalue
2) NDMA	10.85	92	263	0.49 PPB		99
4) NDEA	13.32	120	61	0.10 PPB		78
6) NDPA	15.74	148	131	0.25 PPB	#	25
7) NPYR	17.14	118	1411	2.74 PPB	#	3

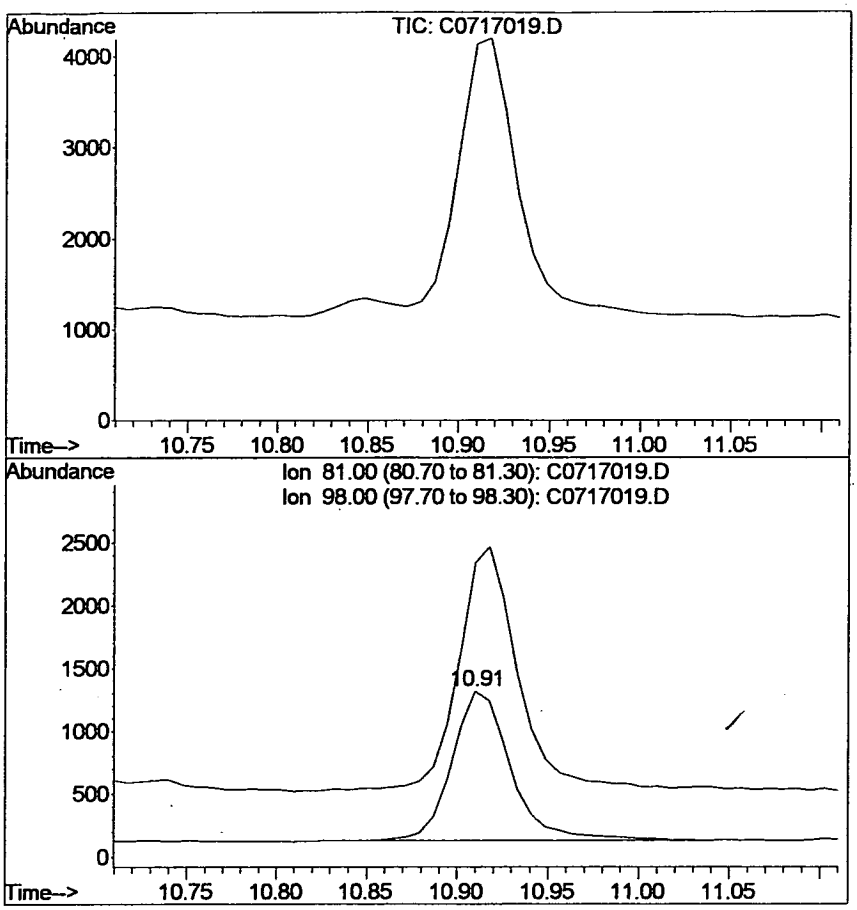
(#) = qualifier out of range (m) = manual integration
C0717019.D C7F14NW.M Wed Jul 18 08:52:57 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717019.D Vial: 20
Acq On : 18 Jul 2007 12:30 am Operator: DF/AI
Sample : IQG1031-04 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:52 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

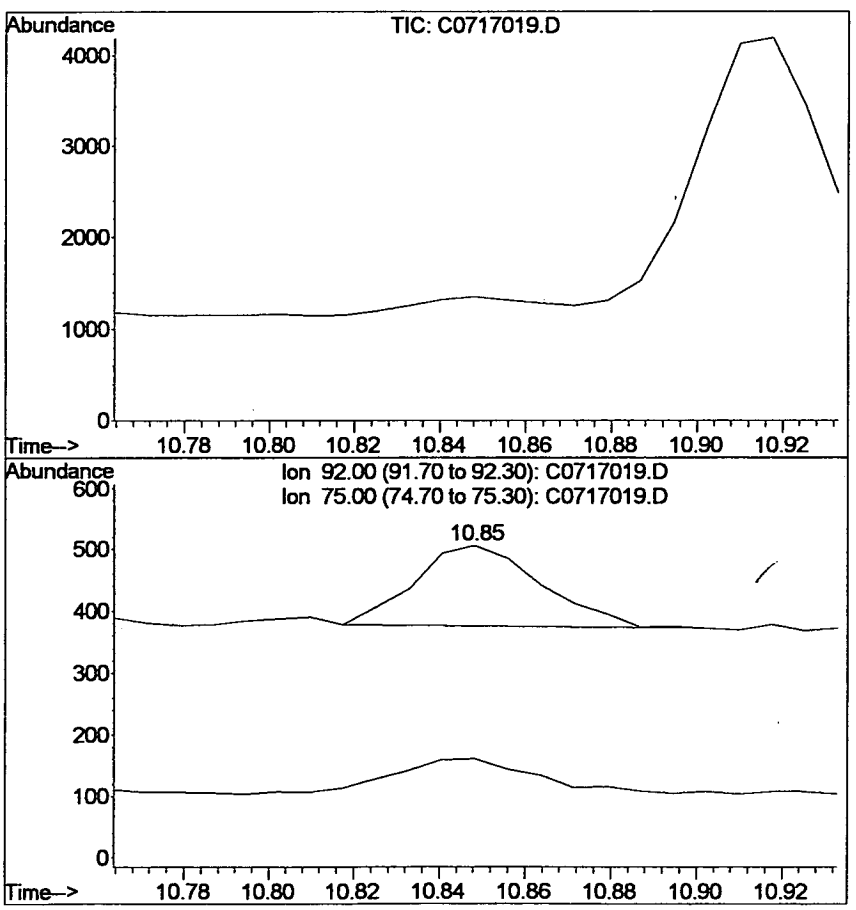




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion: 81 Resp: 2665

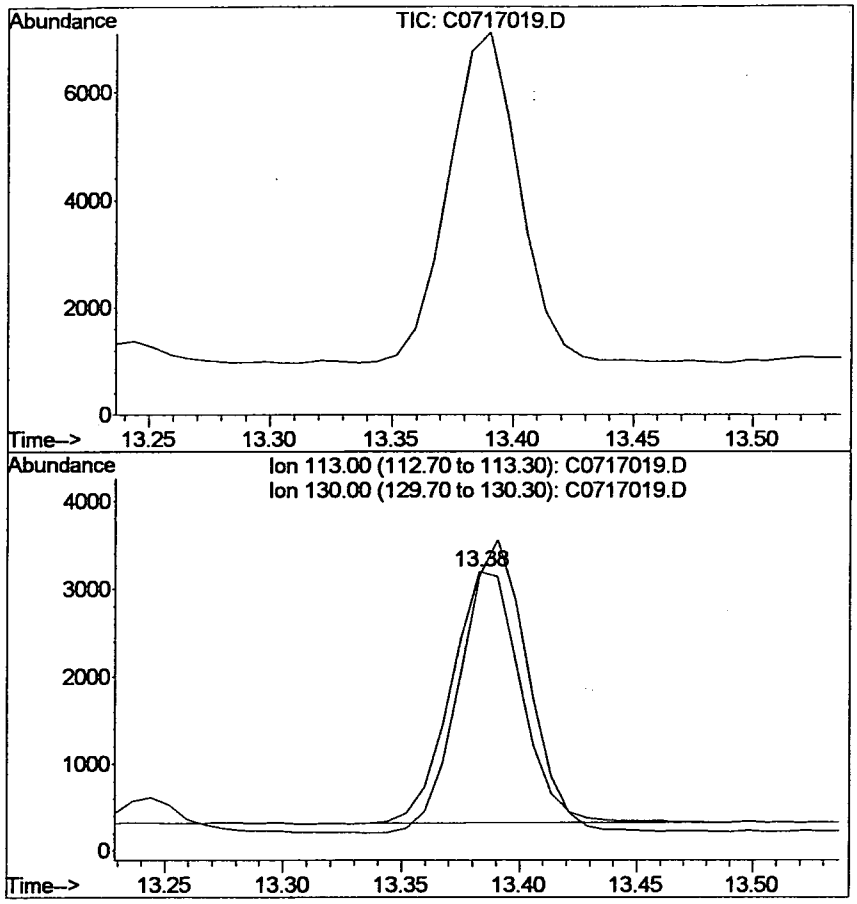
Ion	Ratio	Lower	Upper
81	100		
98	162.8	144.1	224.1



#2
NDMA
Concen: 0.49 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion: 92 Resp: 263

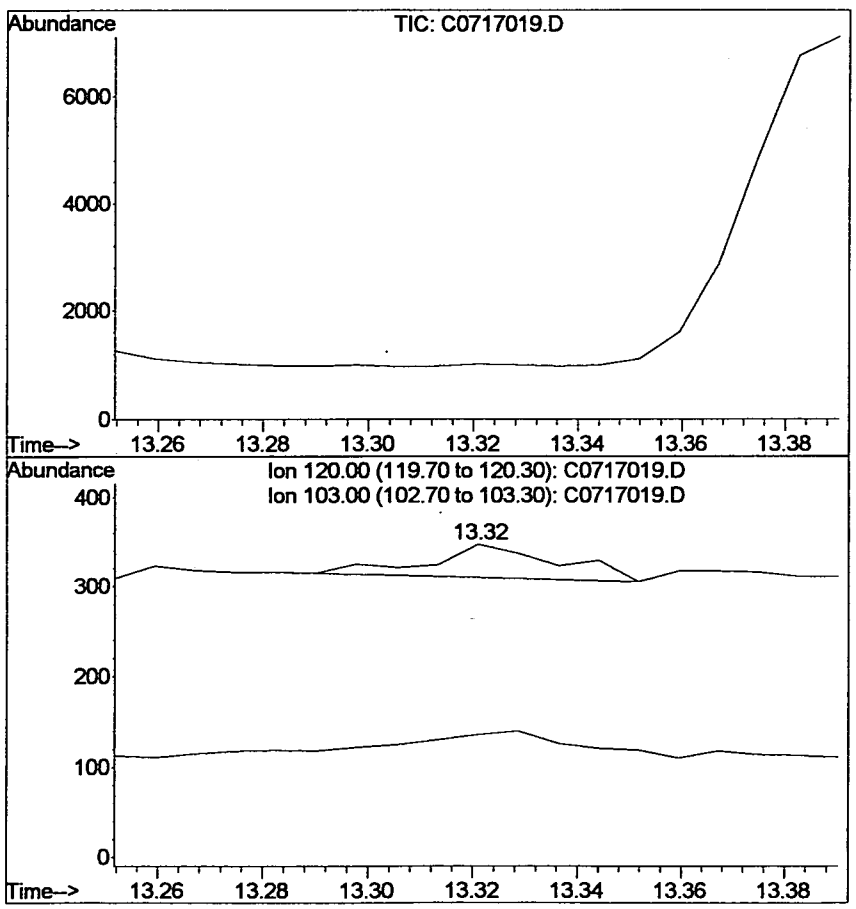
Ion	Ratio	Lower	Upper
92	100		
75	49.8	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion:113 Resp: 5939

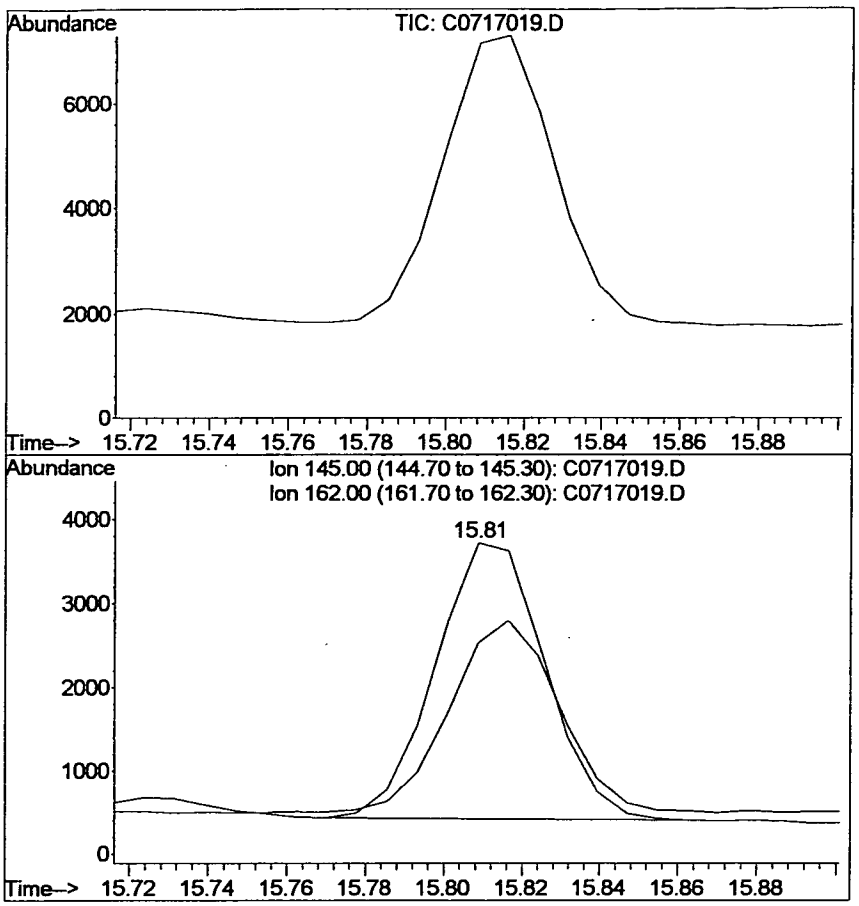
Ion	Ratio	Lower	Upper
113	100		
130	111.4	67.1	137.1



#4
NDEA
Concen: 0.10 PPB
RT: 13.32 min Scan# 486
Delta R.T. -0.00 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion:120 Resp: 61

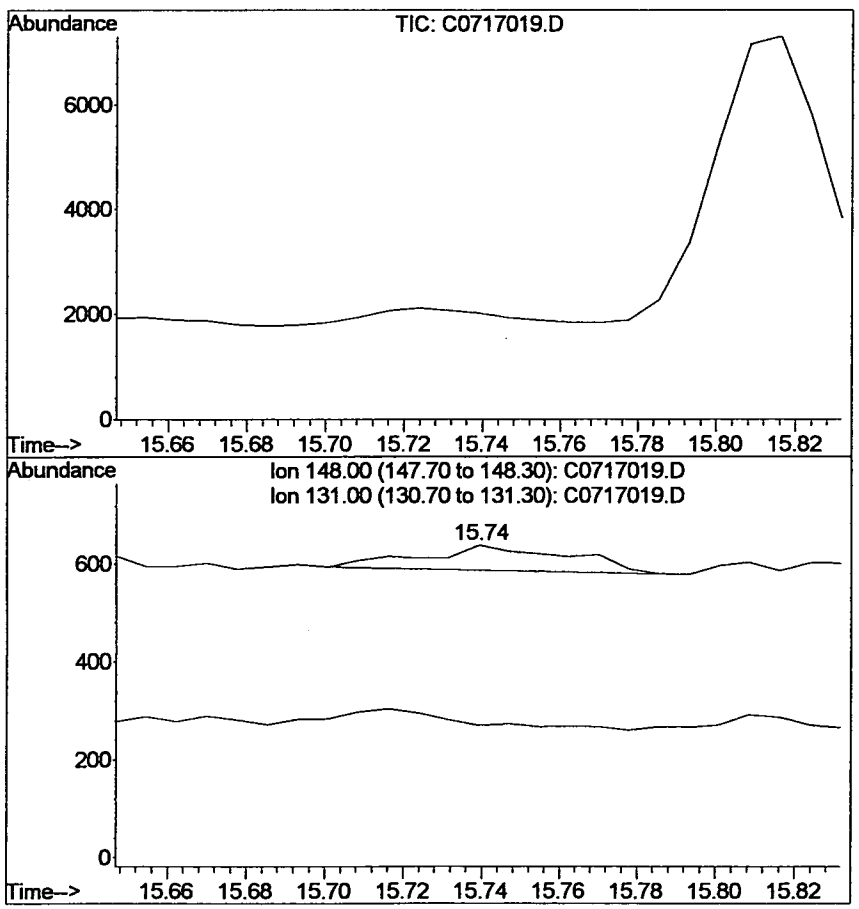
Ion	Ratio	Lower	Upper
120	100		
103	123.0	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion:145 Resp: 6436

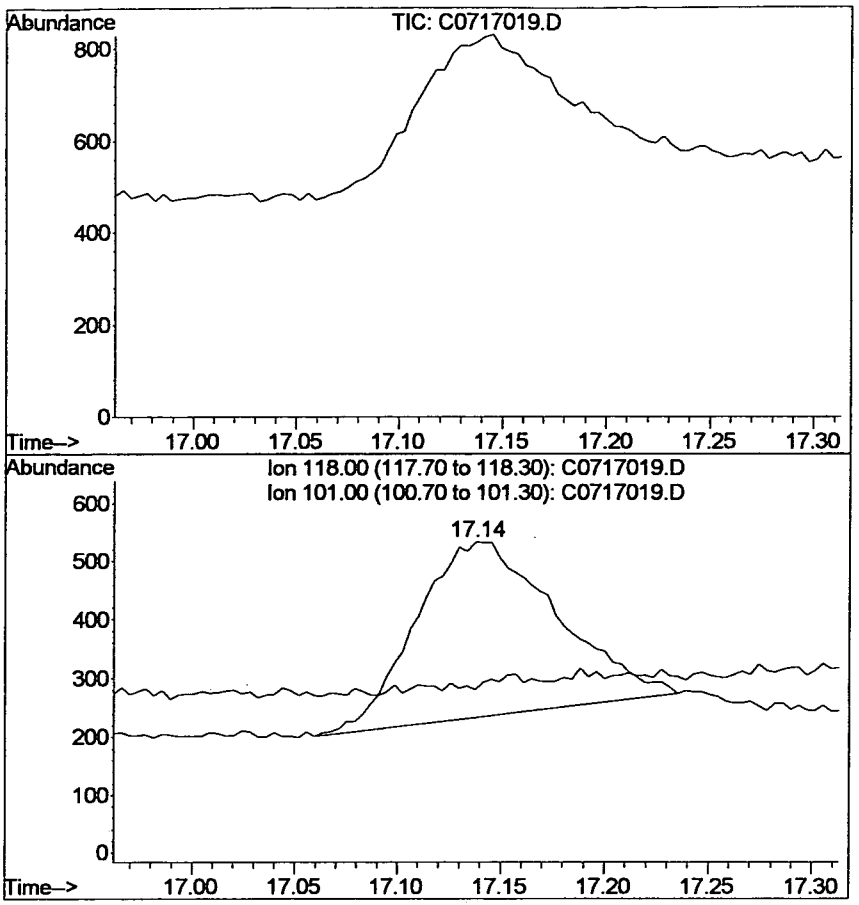
Ion	Ratio	Lower	Upper
145	100		
162	68.3	22.4	102.4



#6
NDPA
Concen: 0.25 PPB
RT: 15.74 min Scan# 800
Delta R.T. -0.03 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion:148 Resp: 131

Ion	Ratio	Lower	Upper
148	100		
131	56.5	99.8	207.2#



#7
NPYR
Concen: 2.74 PPB
RT: 17.14 min Scan# 1061
Delta R.T. -0.06 min
Lab File: C0717019.D
Acq: 18 Jul 2007 12:30 am

Tgt Ion:118 Resp: 1411

Ion	Ratio	Lower	Upper
118	100		
101	1.3	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717020.D Vial: 21
Acq On : 18 Jul 2007 12:54 am Operator: DF/AI
Sample : IQG1031-05 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:53 2007 Quant Results File: C7F14NW.RES

Quant Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

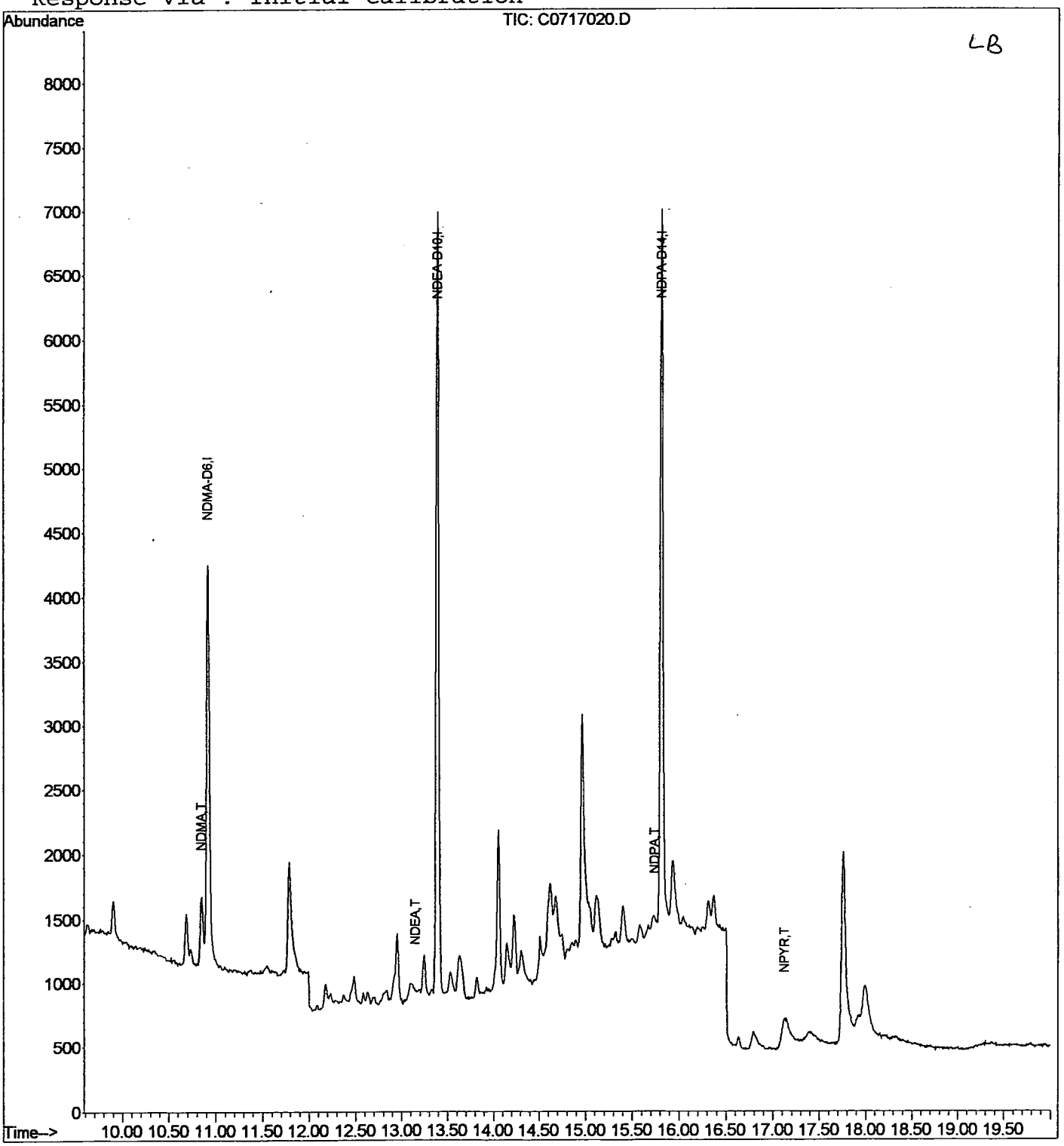
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	2618	10.00	PPB		0.00
3) NDEA-D10	13.38	113	5849	10.00	PPB		0.00
5) NDPA-D14	15.81	145	6828	10.00	PPB		0.00
Target Compounds							**Qvalue**
2) NDMA	10.85	92	810	1.55	PPB		92
4) NDEA	13.15	120	85	0.14	PPB	#	1
6) NDPA	15.75	148	184	0.34	PPB	#	1
7) NPYR	17.13	118	207	0.38	PPB	#	6

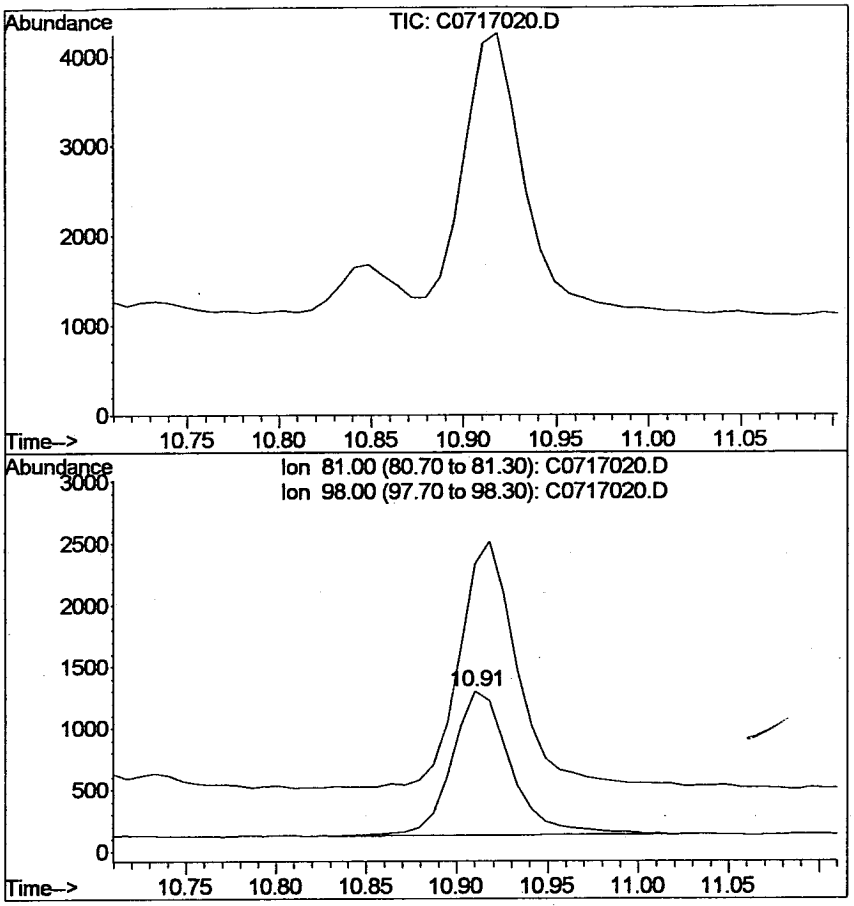
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL17\C0717020.D Vial: 21
Acq On : 18 Jul 2007 12:54 am Operator: DF/AI
Sample : IQG1031-05 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G16057 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 18 8:53 2007 Quant Results File: C7F14NW.RES

Method : C:\MSDCHEM\1\METHODS\C7F14NW.M (RTE Integrator)
Title : Nitrosamine Water ICAL
Last Update : Thu Jun 14 16:31:25 2007
Response via : Initial Calibration

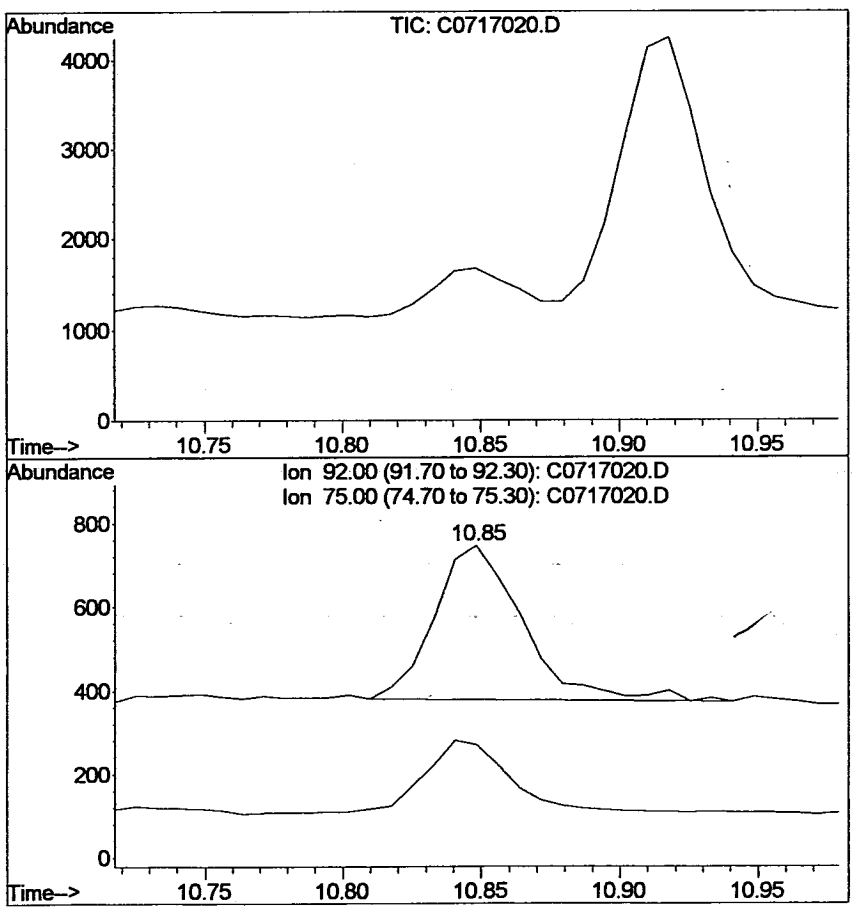




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion: 81 Resp: 2618

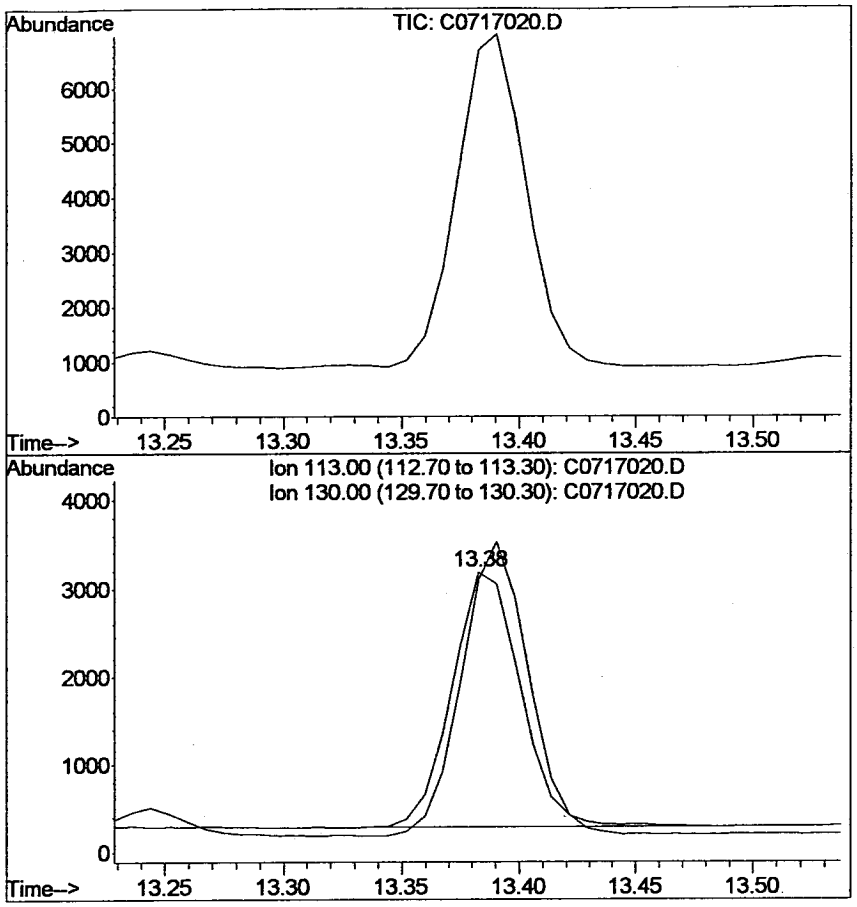
Ion	Ratio	Lower	Upper
81	100		
98	167.3	144.1	224.1



#2
NDMA
Concen: 1.55 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion: 92 Resp: 810

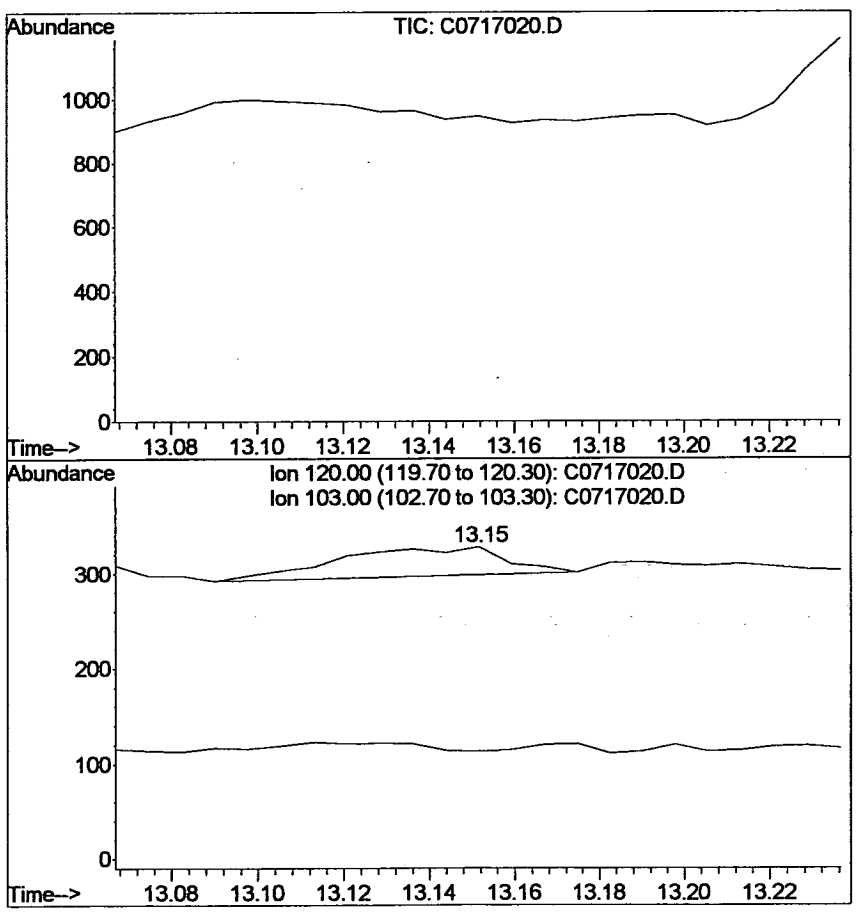
Ion	Ratio	Lower	Upper
92	100		
75	43.2	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion:113 Resp: 5849

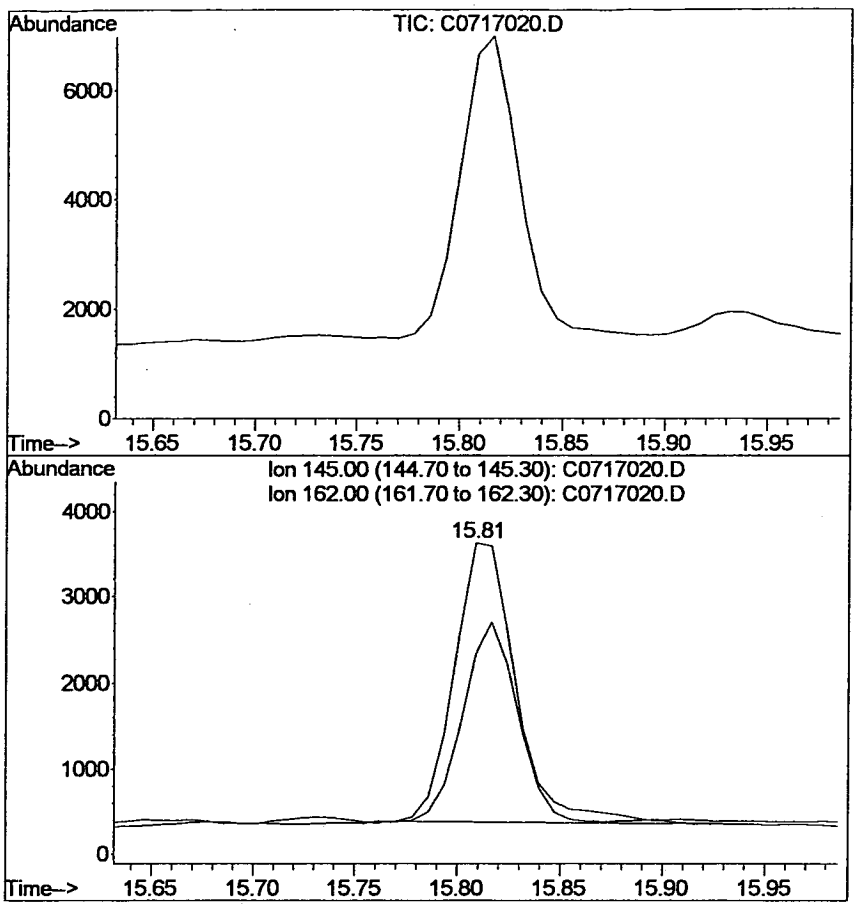
Ion	Ratio	Lower	Upper
113	100		
130	112.7	67.1	137.1



#4
NDEA
Concen: 0.14 PPB
RT: 13.15 min Scan# 464
Delta R.T. -0.17 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion:120 Resp: 85

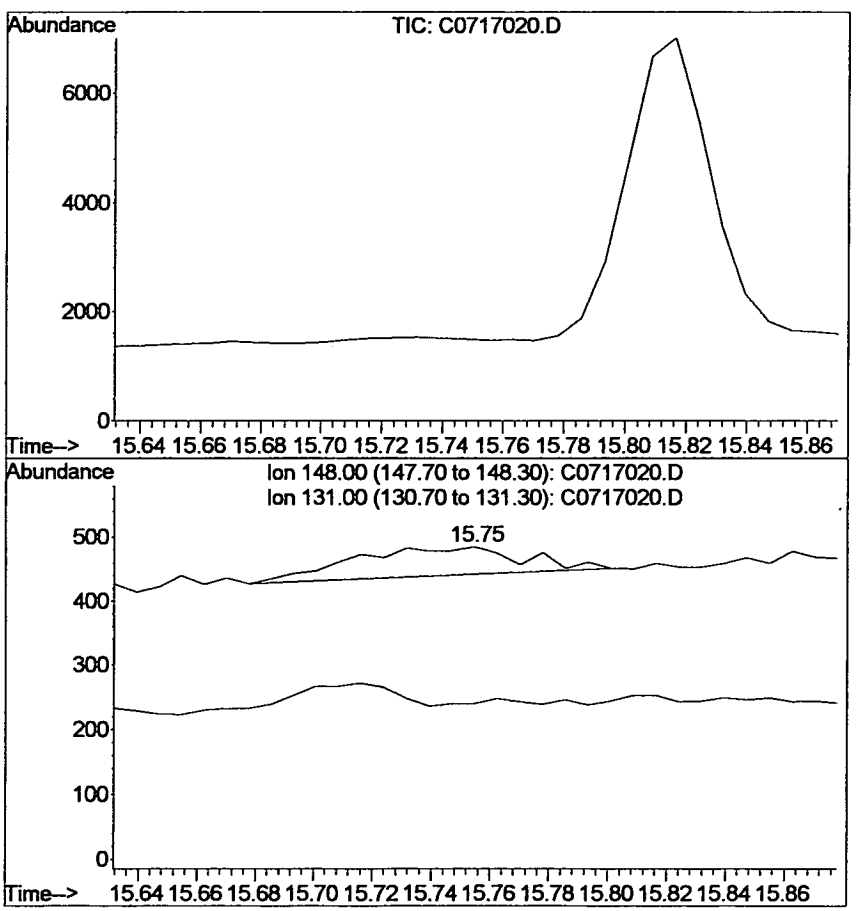
Ion	Ratio	Lower	Upper
120	100		
103	0.0	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion:145 Resp: 6828

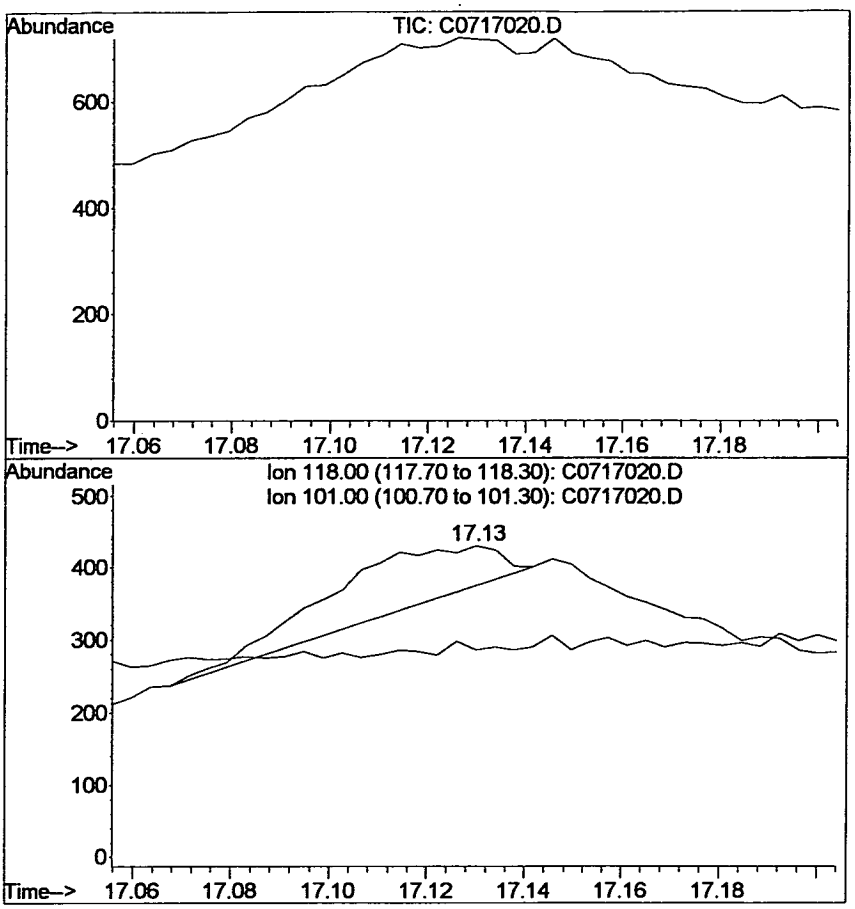
Ion	Ratio	Lower	Upper
145	100		
162	63.5	22.4	102.4



#6
NDPA
Concen: 0.34 PPB
RT: 15.75 min Scan# 802
Delta R.T. -0.02 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion:148 Resp: 184

Ion	Ratio	Lower	Upper
148	100		
131	8.7	99.8	207.2#



#7
NPYR
Concen: 0.38 PPB
RT: 17.13 min Scan# 1059
Delta R.T. -0.07 min
Lab File: C0717020.D
Acq: 18 Jul 2007 12:54 am

Tgt Ion:118 Resp: 207

Ion	Ratio	Lower	Upper
118	100		
101	3.9	62.6	130.0#

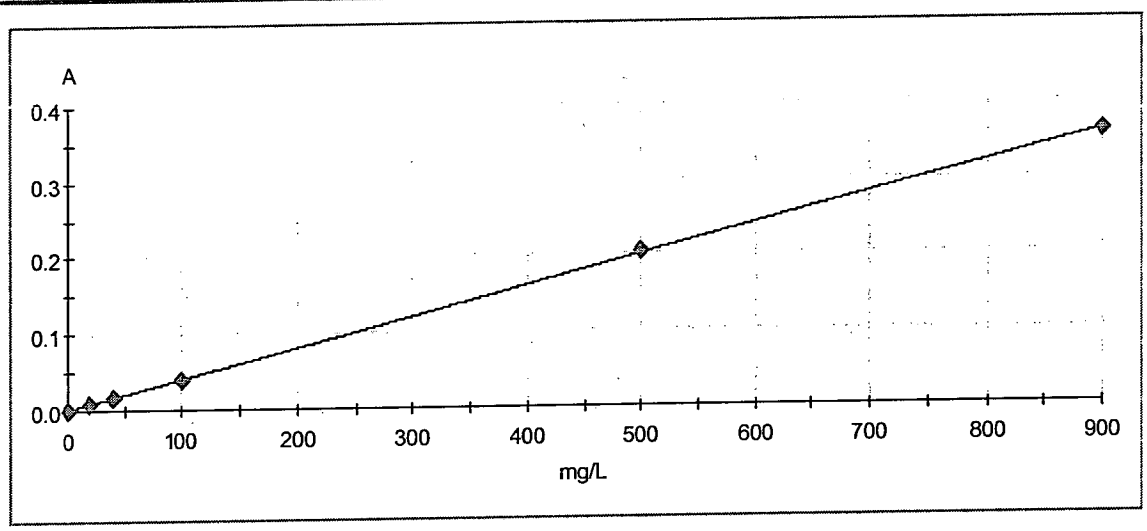
TestAmerica
ANALYTICAL TESTING CORPORATION
17461Derian Ave. Suite 100 Irvine CA 92614 (949) 261-1022 FAX (949) 260-3297

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

GENERAL CHEMISTRY LABORATORY RAW DATA

- RUN LOG
- QUANTITATION REPORTS

Method:	COD071607.mqa
Last modified:	7/16/2007 7:41:37 PM by inorg/GENESYS
Spectrophotometer:	GENESYS 20
Serial number:	- - -
Firmware:	2.10
Measured:	7/16/2007 8:12:41 PM by inorg/GENESYS



Curve parameters: y = 4.011494E-04 x + 2.844738E-04
Residual error: 0.0020 Correlation coefficient: 0.99992

Standard Data

No.	Concentration [mg/L]	A	Error [A]	Used
1	0	0.000	0.000	Yes
2	20	0.009	0.001	Yes
3	40	0.016	0.000	Yes
4	100	0.039	-0.002	Yes
5	500	0.204	0.003	Yes
6	900	0.360	-0.002	Yes

ICV|CCV 7050460
LCS|MS|MSD 7050459

PREPARATION BENCH SHEET

7G16119

TestAmerica - Irvine, CA

Printed: 7/16/2007 8:15:39PM

Matrix: Water

Prepared using: Wet Chemistry - General Prep

(No Surrogate)

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G16119-BLK1		QC	07/16/07 17:08	2.5	2.5			0		0					
7G16119-BS1		QC	07/16/07 17:08	2.5	2.5		7050459	1250		100					
7G16119-MS1		QC	07/16/07 17:08	2.5	2.5	IQG1031-01	7050459	1250		100					
7G16119-MSD1		QC	07/16/07 17:08	2.5	2.5	IQG1031-01	7050459	1250		100					
IQG1031-01	D	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1031-02	D	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1031-03	D	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1031-04	D	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1031-05	D	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1032-01	B	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1037-01	A	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1037-02	A	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1152-01	B	COD-410.4	07/16/07 17:08	2.5	2.5										
IQG1153-01	A	COD-410.4	07/16/07 17:08	2.5	2.5										

Reagents used in Batch

Reagent	Description	Solvent

Spiking Witnessed By Date

Preparation Reviewed By Date

W 7/17/07

Extracts Received By Date

Method:	COD071607.mqa
Last modified:	7/16/2007 7:41:37 PM by inorg/GENESYS
Spectrophotometer:	GENESYS 20
Serial number:	- - -
Firmware:	2.10
Measured:	7/16/2007 8:12:17 PM by inorg/GENESYS

Sample	Dilution Factor	Ordinate [A]	Concentration [mg/L]
ICV	1	0.042	104.98712
ICB	1	0.000	-0.21058
BLK	1	0.001	0.78656
LCS	1	0.203	505.33666
IQG1031-01 MS	1	0.201	500.35098
IQG1031-01 MSD	1	0.202	503.34239
IQG1031-01	1	0.000	-0.21058
IQG1031-02	1	0.000	0.03870
IQG1031-03	1	0.000	-0.21058
IQG1031-04	1	0.004	8.01578
IQG1031-05	1	0.005	11.00719
IQG1032-01 10X	1	0.220	548.71201
IQG1037-01	1	0.090	222.39972
IQG1037-02	1	0.067	166.31090
CCV	1	0.200	497.11030
CCB	1	0.000	-0.95843
IQG1152-01 10X	1	0.043	106.48282
IQG1153-01	1	0.016	38.92695
CCV	1	0.200	498.85528
CCB	1	0.000	-0.70915

TestAmerica
ANALYTICAL TESTING CORPORATION
17461Derian Ave. Suite 100 Irvine CA 92614 (949) 261-1022 FAX (949) 260-3297

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

EPA 218.6 LABORATORY RAW DATA

- INITIAL CALIBRATION
- CONTINUING CALIBRATION
- DIGESTION LOG
- RUN LOG
- QUANTITATION REPORTS

TotalChrom Method File H:\DATA\IC4\chr6qd30.mth
Printed by : inorg on: 4/30/2007 11:31:30 AM
Created by : inorg on: 4/30/2007 11:31:24 AM
Edited by : inorg on: 4/30/2007 11:31:24 AM
Number of Times Edited : 0
Number of Times Calibrated : 40
Description: CHANGED RT FROM 5.7 TO 5.3

Instrument Conditions

Instrument Control Method
Instrument Name : ICDNX-4
Instrument Type : 900 Series Intelligent Interface

Interface Parameters
Delay Time : 0.30 min
Run Time : 9.00 min
Sampling Rate : 20.0000 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 1000 mV
Data will be collected from channel A

Timed Events
RLY3 set to Off at 0.00 min
RLY3 set to On at 8.90 min

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	120.000	20.000

Processing Parameters
Bunch Factor : 40 points
Noise Threshold : 2 µV
Area Threshold : 14.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events
Event #1 - Disable Peak Detection at 0.400
Event #2 - Enable Peak Detection at 4.383

Optional Reports
No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Start plot at end of delay time	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters
Offset & Scale set to absolute values
Draw baselines

4/30/2007 11:31:30 AM Method: H:\DATA\IC4\chr6qd30.mth

Include timed event annotations

Plot Offset : 129.000 µV
Plot Scale : 7.500 µV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Start Time : 0.00
End Time : 9.00

User Programs
No user programs will be executed

Global Sample Information
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information
chrom6
Component Type : Single Peak Component
Retention Time : 7.007 min
Search Window : 2.00 s, 7.00 %
Reference Component :
Find largest peak in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.0001	0.00	0.00	———	———	0
2	0.3000	265.90	16.49	———	———	1
3	1.0000	779.65	37.92	———	———	1
4	5.0000	3317.80	166.71	———	———	1
5	10.0000	5521.80	312.29	———	———	1
6	25.0000	14074.45	786.15	———	———	1
7	50.0000	28618.20	1601.31	———	———	1
8	75.0000	42355.20	2395.19	———	———	1

Calibration Curve : y = (1.459791) + (31.896423)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999938

Calibration Replicate Lists
Component : chrom6
Level : 1
This level has no replicate injections

4/30/2007 11:31:30 AM Method: H:\DATA\IC4\chr6qd30.mth

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
265.90	16.49	0.3000	———	———	4/30/2007	11:30:08 AM	H:\DATA\IC4\20070428\20070428004.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
779.65	37.92	1.0000	———	———	4/30/2007	11:30:08 AM	H:\DATA\IC4\20070428\20070428005.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3317.80	166.71	5.0000	———	———	4/30/2007	11:30:09 AM	H:\DATA\IC4\20070428\20070428006.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5521.80	312.29	10.0000	———	———	4/30/2007	11:30:09 AM	H:\DATA\IC4\20070428\20070428007.rst

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
14074.45	786.15	25.0000	———	———	4/30/2007	11:30:09 AM	H:\DATA\IC4\20070428\20070428008.rst

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
28618.20	1601.31	50.0000	———	———	4/30/2007	11:30:09 AM	H:\DATA\IC4\20070428\20070428009.rst

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
42355.20	2395.19	75.0000	———	———	4/30/2007	11:30:10 AM	H:\DATA\IC4\20070428\20070428010.rst

TotalChrom Sequence File H:\DATA\IC4\20070428\20070428.seq
Printed by : inorg on: 4/30/2007 11:32:52 AM
Created by : inorg on: 4/28/2007 3:01:42 PM
Edited by : inorg on: 4/30/2007 11:32:46 AM
Number of Times Edited : 5
Description:

Sequence File Header Information:
Number of Rows : 176
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

Sequence Sample Descriptions - Channel A

Row	Type	Name	Number	Study name	Sample Amt	Sample Vol	Dil Factor	Multiplier	Divisor	Addend	Norm Factor
1	Sample	IB	7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	7D28054-BS1	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	0ppb	7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
4	Sample	0.3ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	1.0ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
6	Sample	5.0ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
7	Sample	10ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
8	Sample	25ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
9	Sample	50ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
10	Sample	75ppb	7D28054	7040301	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
11	Sample	ICV	7D28054	7040302	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
12	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
13	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
14	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
15	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
16	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
17	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
18	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
19	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
20	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
21	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
22	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
23	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
24	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
25	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
26	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
27	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
28	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
29	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
30	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
31	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
32	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
33	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
34	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
35	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
36	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
37	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
38	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
39	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
40	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
41	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
42	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
43	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
44	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
45	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
46	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
47	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
48	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
49	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
50	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
51	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
52	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
53	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
54	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
55	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
56	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
57	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
58	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
59	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
60	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
61	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
62	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
63	Sample		7D28054		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000

CALIBRATION CHECKLIST

EPA 7199 & 218.6 – Hexavalent Chromium by IC

Analyst: TM/EC
Analysis Date: 4/30/07
IC #: IC4
Method used: 218.6 & 7199

2nd Level Review: [illegible]
Date: 5/15/07
Original Calibration date: 4/19/07
Original Calibration file #: Chrg019.MTH
Chrg019a.MTH

Analyst Rev	2nd Level Rev	
✓	✓	6-point calibration, lowest point at RL, r >= 0.999
✓	✓	2nd ICV: %REC = 90-110% (immediately after calibration)
		Calibration date and file checked for completeness and accuracy:
✓	✓	• Correct date, analyst's name and calibration file
✓	✓	• Correct instrument parameters, retention time and window
✓	✓	• Chromatography peak shape and baseline acceptable
✓	✓	• Calibration summary and raw data match for calibration levels and area counts
		Instrument update for new calibration information:
✓	✓	• Calibration: Chrg030.MTH
✓	✓	• Standard preparation: 7040301
✓	✓	• Supplier: ERA
✓	✓	• Standard Lot # : 100754
✓	✓	• Calibration Chart:

Comments:

Cr6_cal.doc
Rev 09/15/04

Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 3:57:04 PM
Reprocess Number	: ic2: 84758		
Operator	: inorg	Sample Name	: 0ppb
Sample Number	: 7D28054	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 3:47:46 PM	Cycle	: 3

Raw Data File : h:\data\ic4\20070428\20070428003.raw
Result File : h:\data\ic4\20070428\20070428003.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428003.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428003.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428003.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

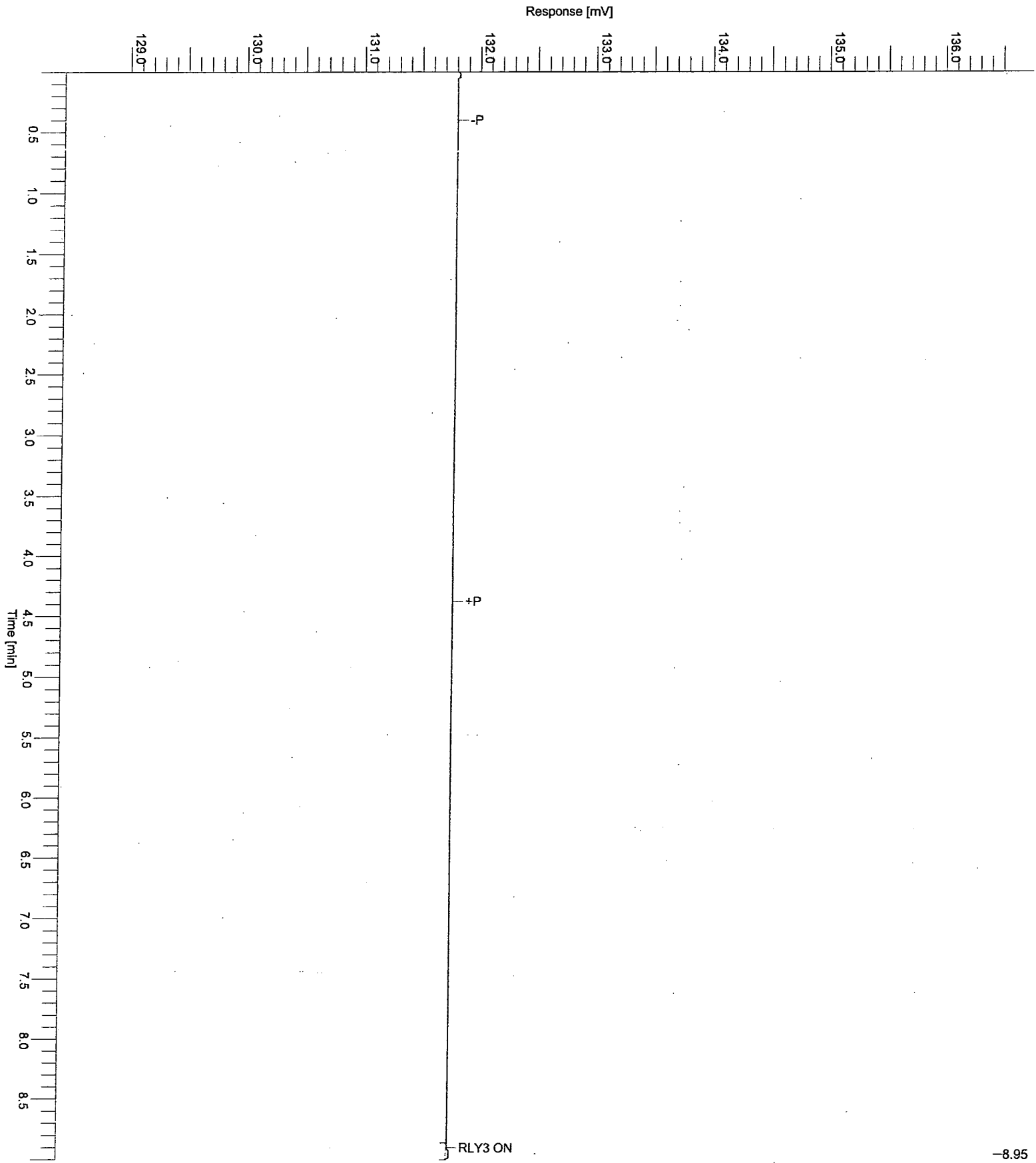
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.037	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070428\20070428003.TX0

Chromatogram

Sample Name : 0ppb Sample #: 7D28054 Page 1 of 1
FileName : h:\data\ic4\20070428\20070428003.raw
Date : 4/28/2007 3:57:09 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 3:47:46 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



–8.95

Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 4:08:10 PM
Reprocess Number	: ic2: 84759		
Operator	: inorg	Sample Name	: 0.3ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 3:58:53 PM	Cycle	: 4

Raw Data File : h:\data\ic4\20070428\20070428004.raw
Result File : h:\data\ic4\20070428\20070428004.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428004.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428004.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428004.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

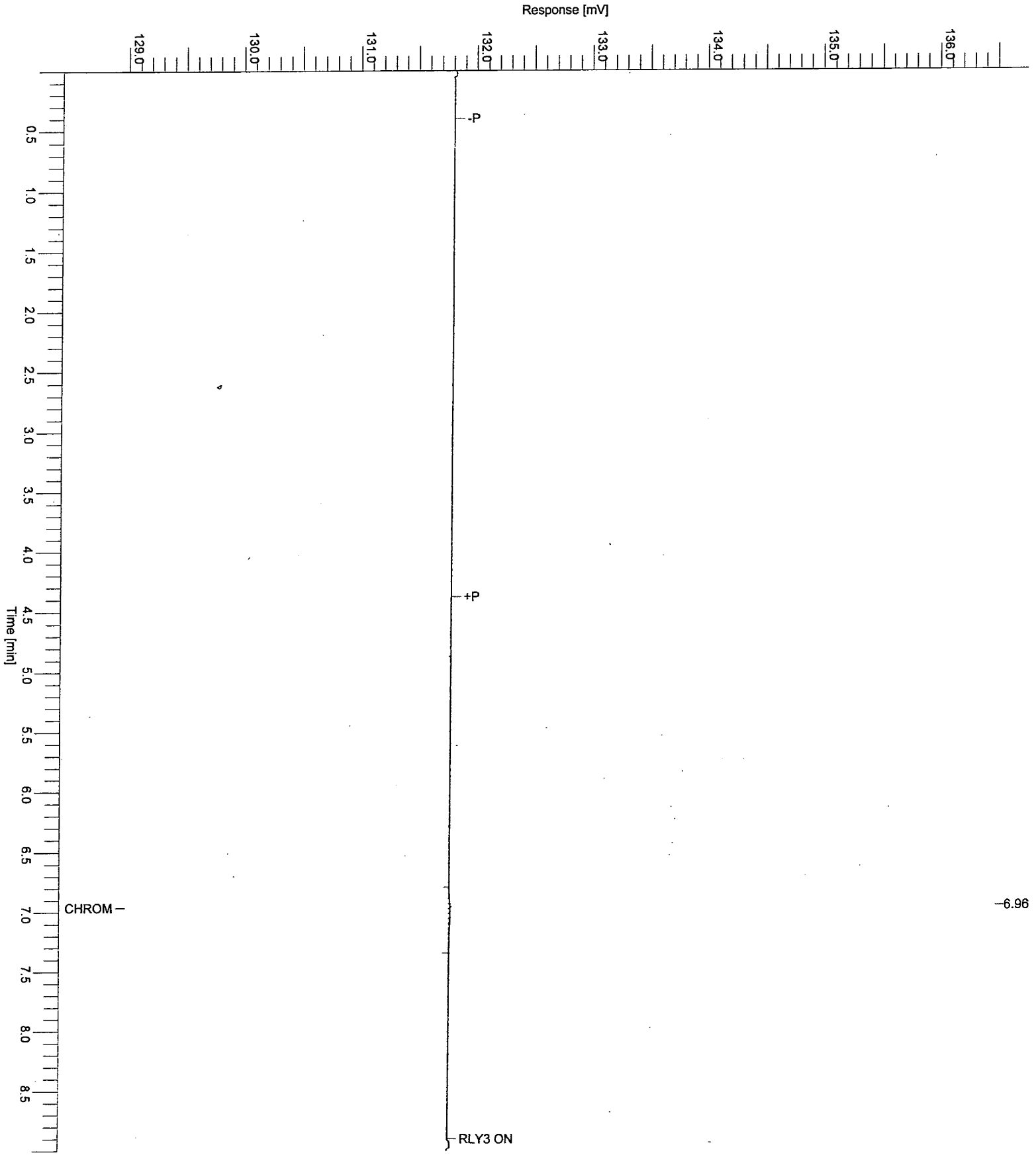
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.964	chrom6	265.90	16.48514	0.4643	0.4643	*
			265.90	16.48514	0.4643	0.4643	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428004.TX0

Chromatogram

Sample Name : 0.3ppb Sample #: 7D28054 Page 1 of 1
FileName : h:\data\ic4\20070428\20070428004.raw
Date : 4/28/2007 4:08:15 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 3:58:53 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 4:19:16 PM
Reprocess Number	: ic2: 84761		
Operator	: inorg	Sample Name	: 1.0ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 4:09:59 PM	Cycle	: 5

Raw Data File : h:\data\ic4\20070428\20070428005.raw
Result File : h:\data\ic4\20070428\20070428005.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428005.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428005.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428005.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

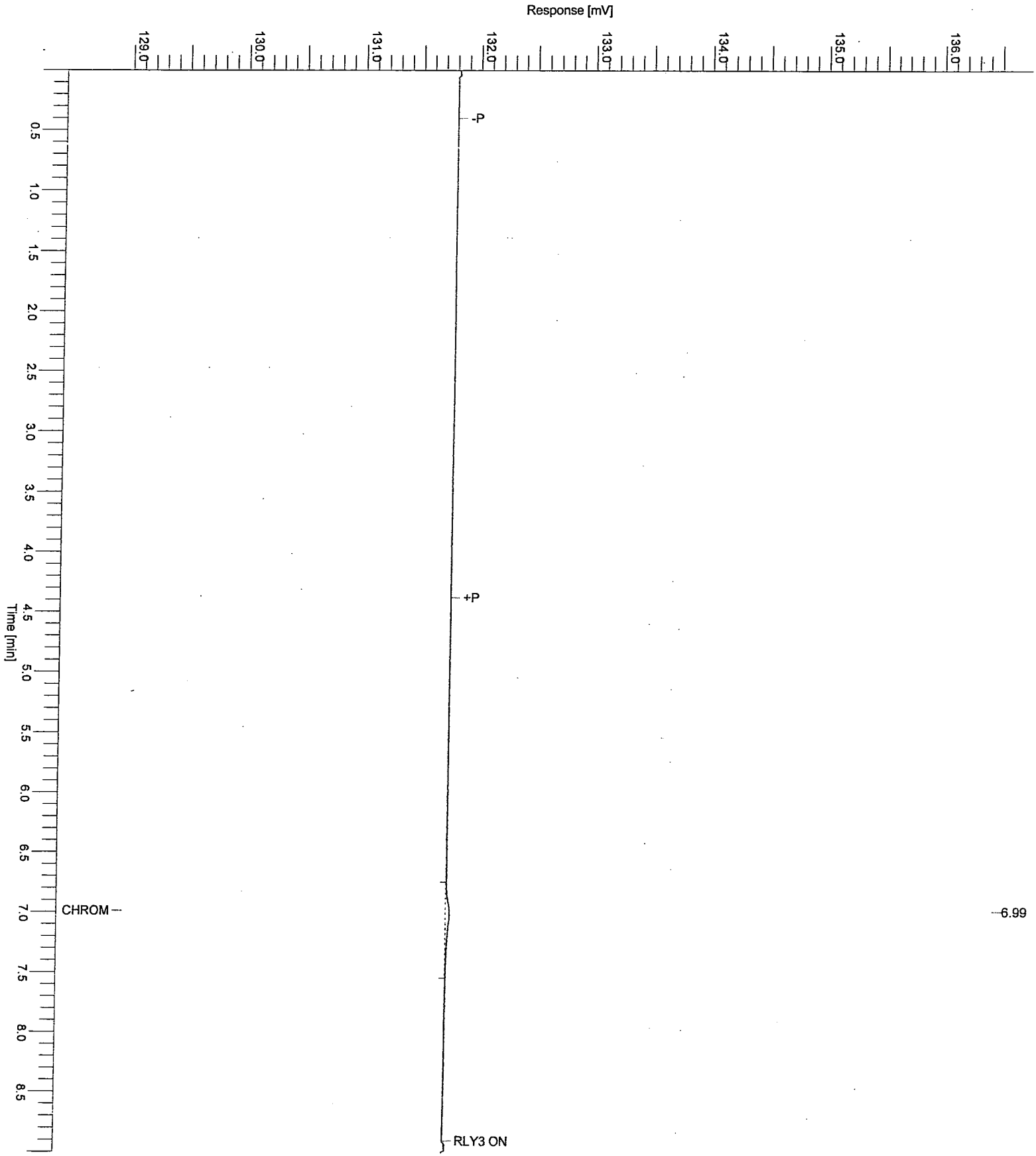
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.989	chrom6	779.65	37.91797	1.2832	1.2832	*
			779.65	37.91797	1.2832	1.2832	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428005.TX0

Chromatogram

Sample Name : 1.0ppb Sample #: 7D28054 Page 1 of 1
FileName : h:\data\ic4\20070428\20070428005.raw
Date : 4/28/2007 4:19:21 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 4:09:59 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 4:30:30 PM
Reprocess Number	: ic2: 84762		
Operator	: inorg	Sample Name	: 5.0ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 4:21:06 PM	Cycle	: 6

Raw Data File : h:\data\ic4\20070428\20070428006.raw
Result File : h:\data\ic4\20070428\20070428006.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428006.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428006.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428006.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

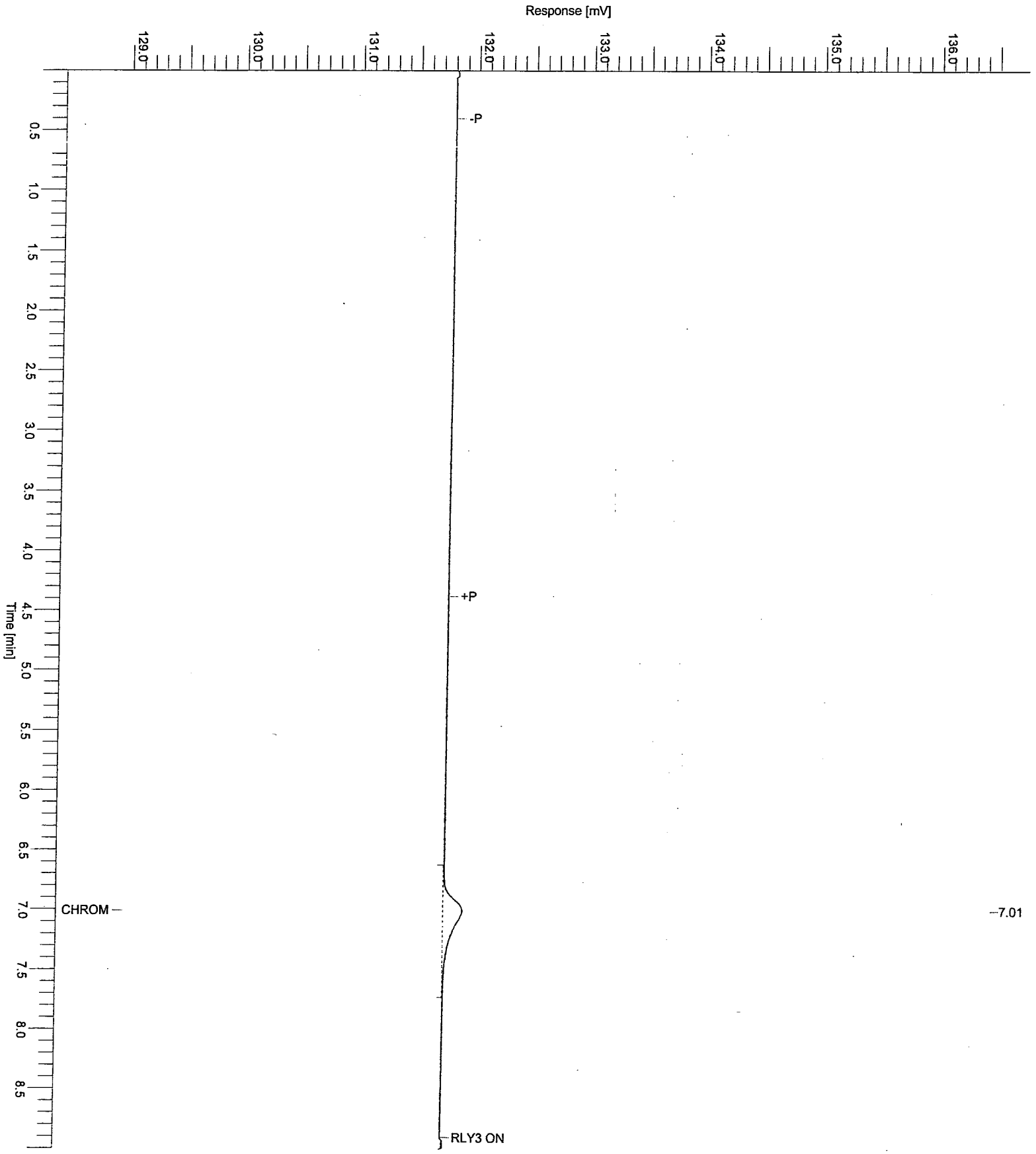
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.010	chrom6	3317.80	166.70604	6.2035	6.2035	*
			3317.80	166.70604	6.2035	6.2035	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428006.TX0

Chromatogram

Sample Name : 5.0ppb Sample #: 7D28054
FileName : h:\data\ic4\20070428\20070428006.raw
Date : 4/28/2007 4:30:36 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 4:21:06 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 4:41:27 PM
Reprocess Number	: ic2: 84764		
Operator	: inorg	Sample Name	: 10ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 4:32:12 PM	Cycle	: 7

Raw Data File : h:\data\ic4\20070428\20070428007.raw
Result File : h:\data\ic4\20070428\20070428007.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428007.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428007.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428007.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

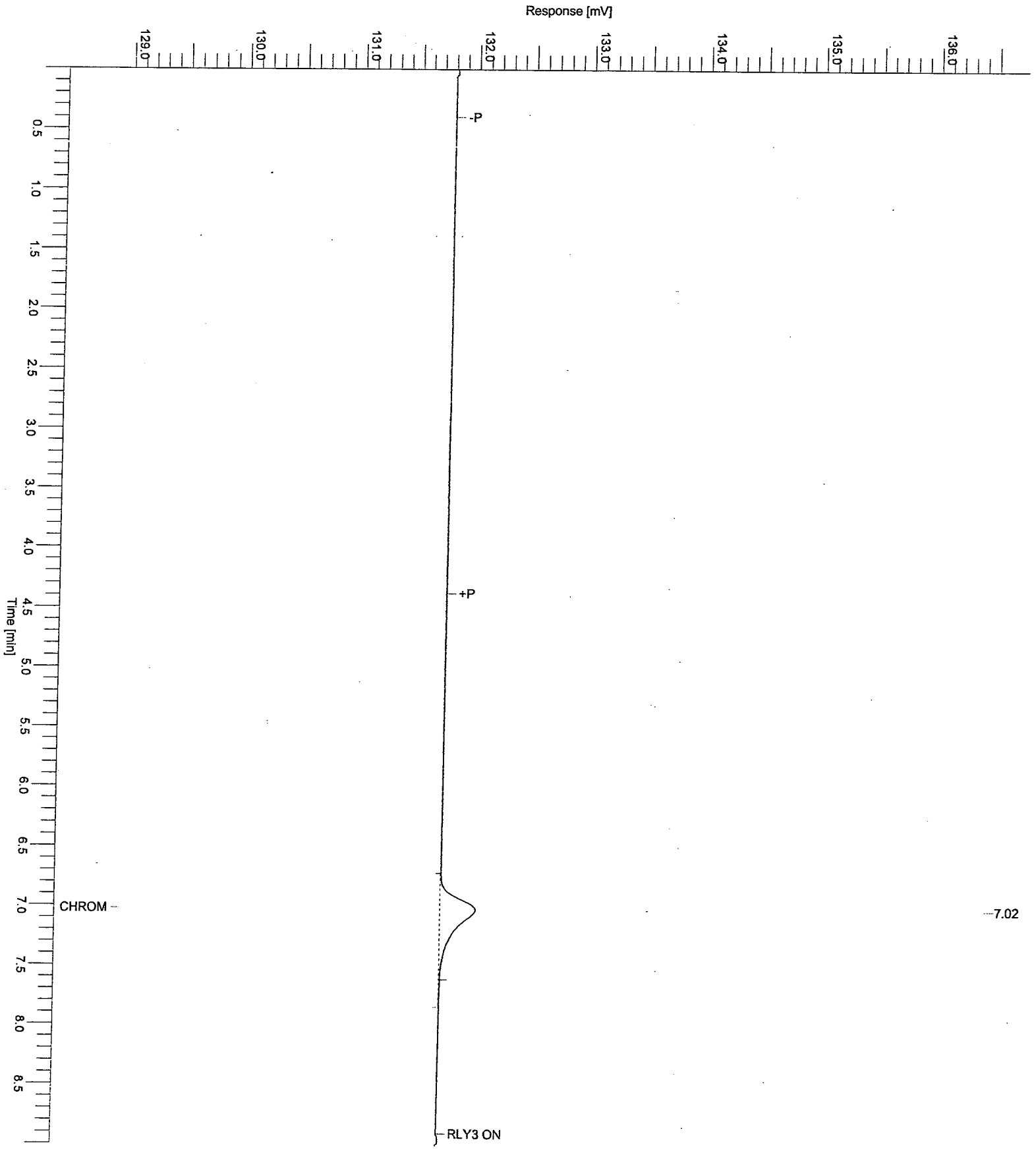
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.021	chrom6	5521.80	312.29167	11.7655	11.7655	*
			5521.80	312.29167	11.7655	11.7655	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428007.TX0

Chromatogram

Sample Name : 10ppb Sample #: 7D28054 Page 1 of 1
FileName : h:\data\ic4\20070428\20070428007.raw
Date : 4/28/2007 4:41:33 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 4:32:12 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 4:52:33 PM
Reprocess Number	: ic2: 84765		
Operator	: inorg	Sample Name	: 25ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 4:43:17 PM	Cycle	: 8

Raw Data File : h:\data\ic4\20070428\20070428008.raw
Result File : h:\data\ic4\20070428\20070428008.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428008.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428008.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428008.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

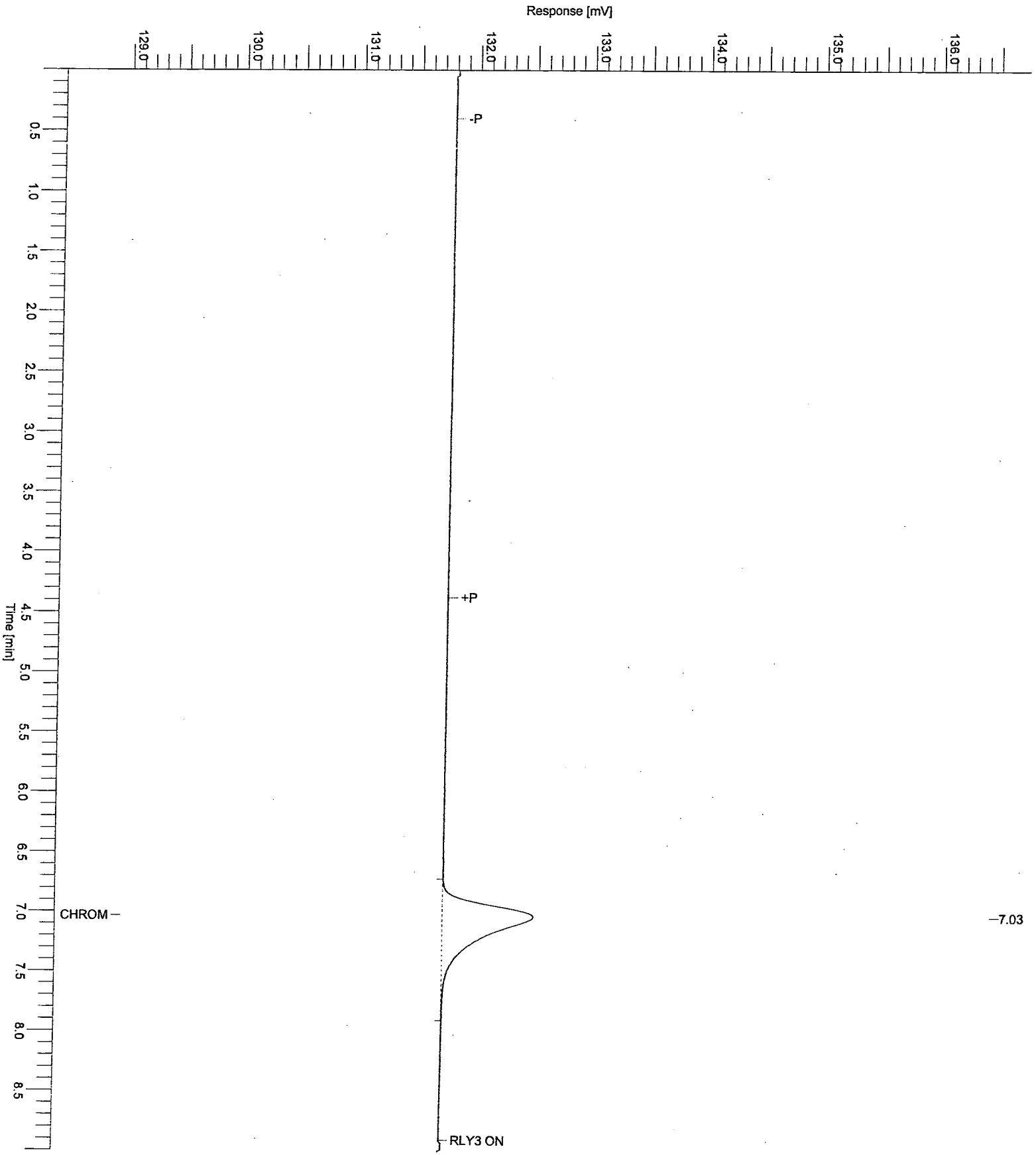
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.034	chrom6	14074.45	786.14700	29.8689	29.8689	*
			14074.45	786.14700	29.8689	29.8689	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428008.TX0

Chromatogram

Sample Name : 25ppb Sample #: 7D28054
FileName : h:\data\ic4\20070428\20070428008.raw
Date : 4/28/2007 4:52:38 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 4:43:17 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 5:03:42 PM
Reprocess Number	: ic2: 84767		
Operator	: inorg	Sample Name	: 50ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 4:54:24 PM	Cycle	: 9

Raw Data File : h:\data\ic4\20070428\20070428009.raw
Result File : h:\data\ic4\20070428\20070428009.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428009.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428009.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428009.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

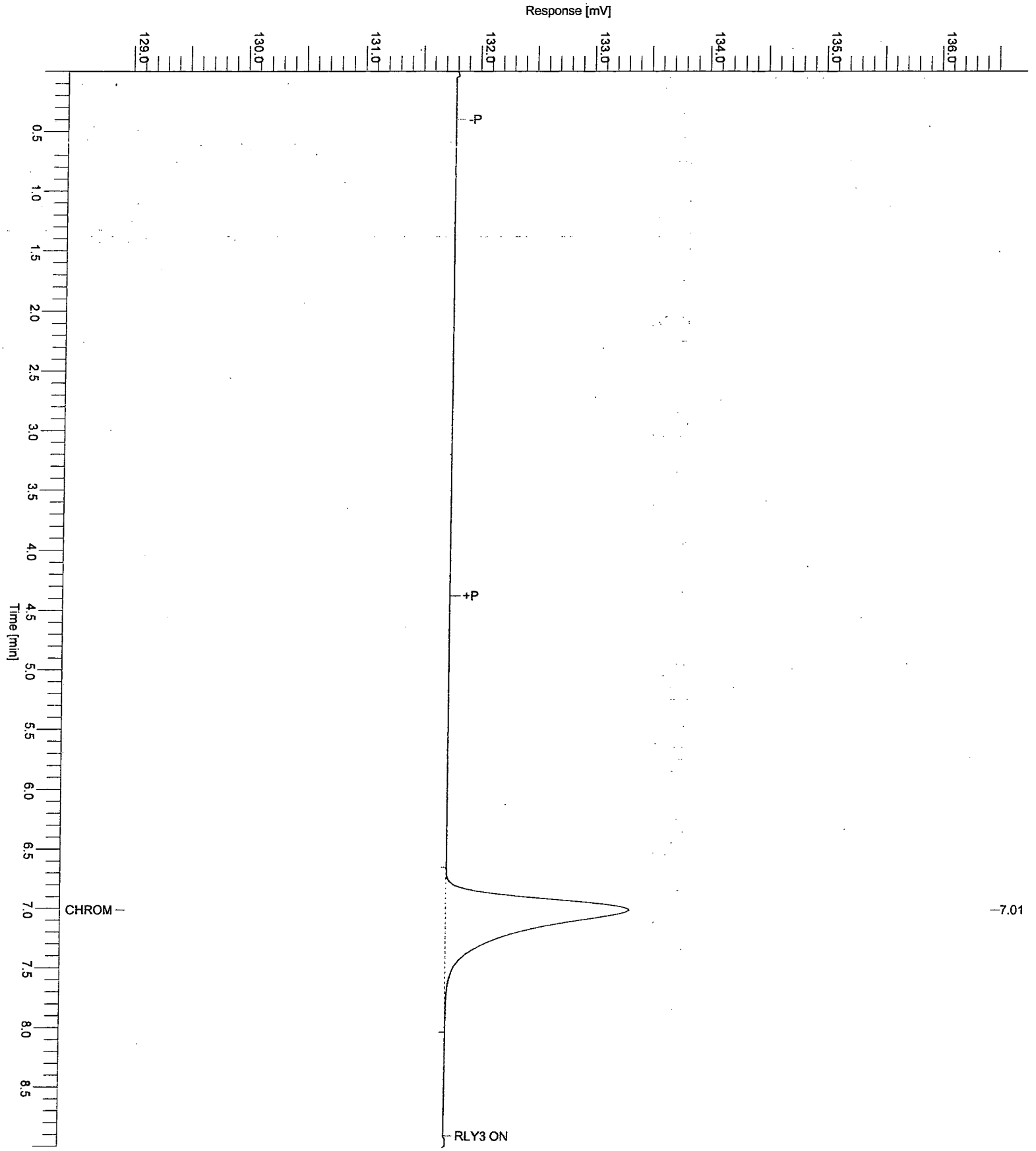
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.014	chrom6	28618.20	1.601e+03	61.0121	61.0121	*
			28618.20	1.601e+03	61.0121	61.0121	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428009.TX0

Chromatogram

Sample Name : 50ppb Sample #: 7D28054
FileName : h:\data\ic4\20070428\20070428009.raw
Date : 4/28/2007 5:03:47 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 4:54:24 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/28/2007 5:14:45 PM
Reprocess Number	: ic2: 84769		
Operator	: inorg	Sample Name	: 75ppb
Sample Number	: 7D28054	Study	: 7040301
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 5:05:31 PM	Cycle	: 10

Raw Data File : h:\data\ic4\20070428\20070428010.raw
Result File : h:\data\ic4\20070428\20070428010.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428010.raw
Proc Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428010.rst
Calib Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428010.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

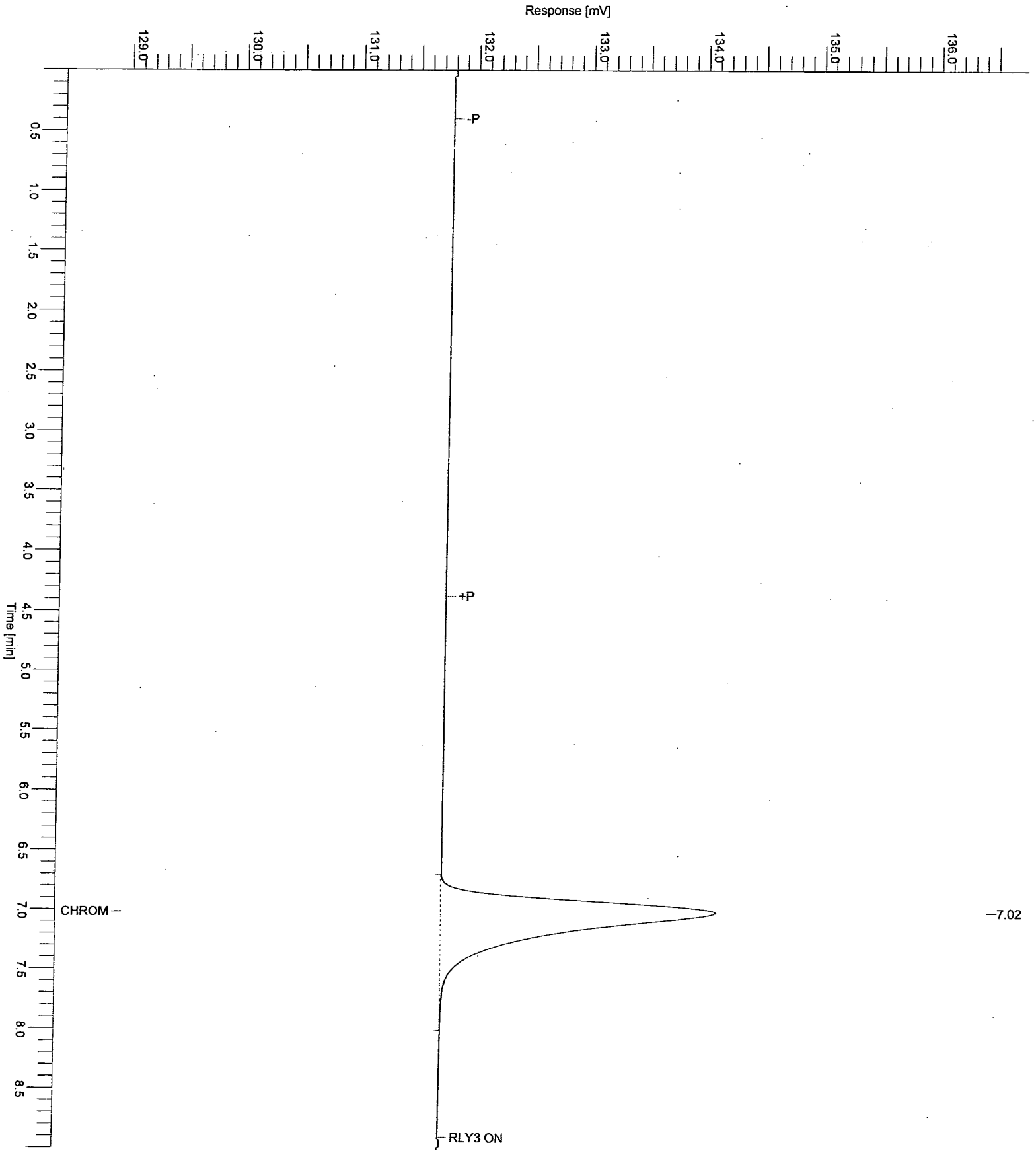
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.019	chrom6	42355.20	2.395e+03	91.3419	91.3419	*
			42355.20	2.395e+03	91.3419	91.3419	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428010.TX0

Chromatogram

Sample Name : 75ppb Sample #: 7D28054
FileName : h:\data\ic4\20070428\20070428010.raw
Date : 4/28/2007 5:14:50 PM
Method : chr6qd19a.mth Time of Injection: 4/28/2007 5:05:31 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 4/30/2007 11:35:11 AM
Reprocess Number	: irv-inorgwet4: 4719		
Operator	: inorg	Sample Name	: ICV
Sample Number	: 7D28054	Study	: 7040302
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 4/28/2007 5:16:37 PM	Cycle	: 1

Raw Data File : h:\data\ic4\20070428\20070428011.raw <Modified>
Result File : h:\data\ic4\20070428\20070428011.rst
Inst Method : h:\data\ic4\chr6qd19a from h:\data\ic4\20070428\20070428011.raw
Proc Method : h:\data\ic4\chr6qd30.mth from h:\data\ic4\20070428\20070428011.rst
Calib Method : h:\data\ic4\chr6qd30.mth from h:\data\ic4\20070428\20070428011.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070428\20070428.seq

CHROM6

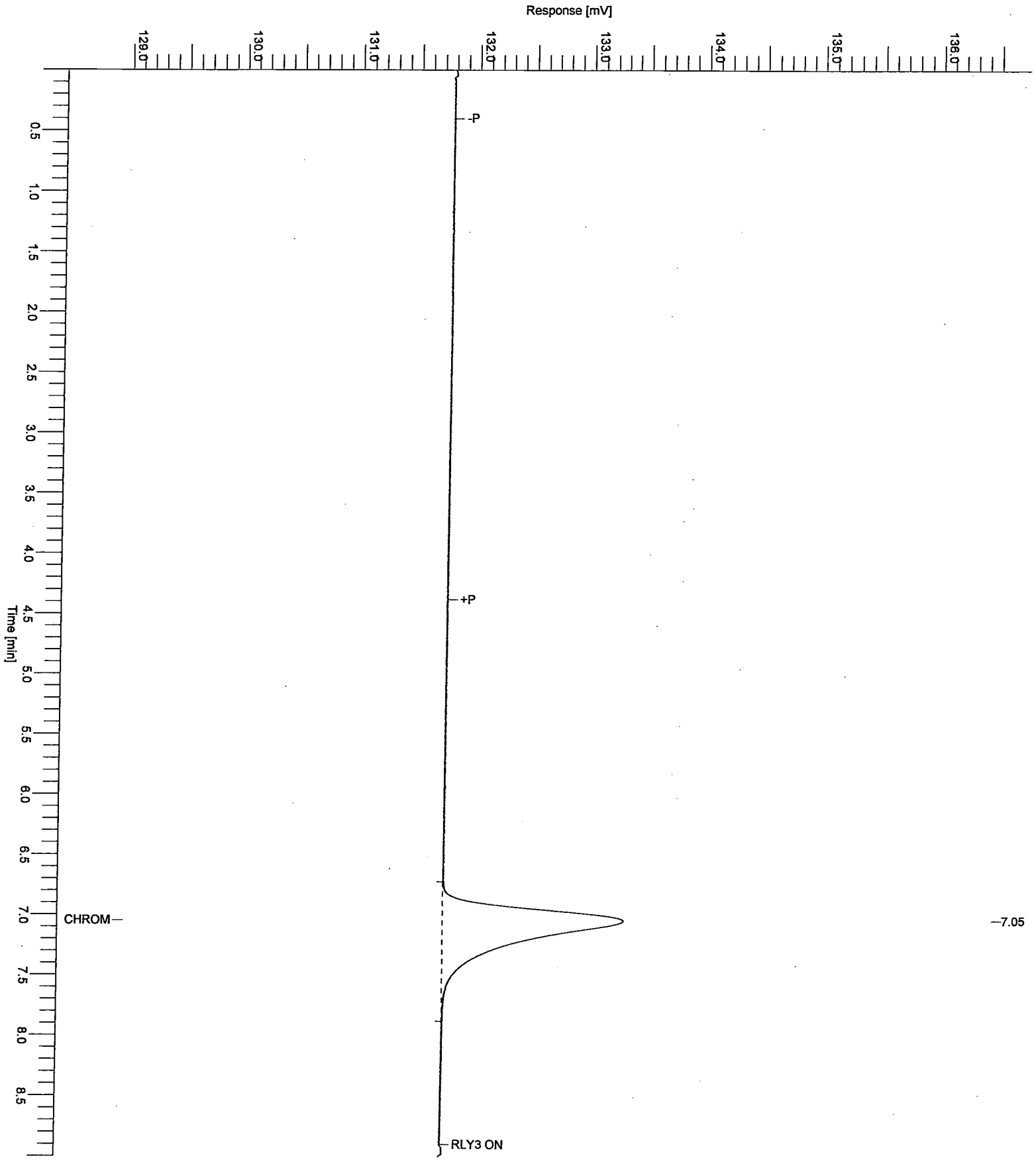
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.049	chrom6	27618.00	1.572e+03	49.2492	49.2492	*
			27618.00	1.572e+03	49.2492	49.2492	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070428\20070428011.TX0

Chromatogram

Sample Name : ICV Sample #: 7D28054
FileName : h:\data\ic4\20070428\20070428011.raw
Date : 4/30/2007 11:35:12 AM
Method : chr6qd19a Time of Injection: 4/28/2007 5:16:37 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



TotalChrom Sequence File H:\DATA\IC4\20070713\20070713.seq
Printed by : inorg on: 7/19/2007 12:57:51 PM
Created by : inorg on: 7/13/2007 8:11:40 AM
Edited by : inorg on: 7/13/2007 10:52:49 PM
Number of Times Edited : 22
Description:

Sequence File Header Information:

Number of Rows : 188
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

Sequence Sample Descriptions - Channel A

Row	Type	Name	Number	Study name	Sample Amt	Sample Vol	Dil Factor	Multiplier	Divisor	Addend	Norm Factor
1	Sample	IB	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	7G13055-BS1	7G13055	7060052	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	7G13055-BLK1	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
4	Sample	IQG1099-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	IQG1031-02	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
6	Sample	IQG1052-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
7	Sample	IQG1094-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
8	Sample	IQG1031-03	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
9	Sample	IQG1055-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
10	Sample	IQG1031-04	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
11	Sample	IQG1050-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
12	Sample	IQG1031-05	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
13	Sample	IQG1031-01	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
14	Sample	CCV	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
15	Sample	CCB	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
16	Sample	7G13055-MS1	7G13055	IQG1031-02	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
17	Sample	7G13055-MSD1	7G13055	IQG1031-02	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
18	Sample	~~CCV~~	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
19	Sample	CCB	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
20	Sample	~~CCV~~	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
21	Sample	CCV	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
22	Sample	CCV	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
23	Sample	IQG1150-12	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
24	Sample	IQG1150-14	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
25	Sample	IQG1150-15	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
26	Sample	IQG1150-16	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
27	Sample	~~IQG1150-17~~	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
28	Sample	IQG1150-18	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
29	Sample	IQG1150-19	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
30	Sample	IQG1150-20	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
31	Sample	IQG1150-21	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
32	Sample	IQG1150-17	7G13055		1.000000	1.000	10.000000	1.000000	1.000000	0.000000	100.000
33	Sample	CCV	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
34	Sample	CCB	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
35	Sample	7G13055-MS2	7G13055	IQG1150-16	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
36	Sample	7G13055-MSD2	7G13055	IQG1150-16	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
37	Sample	CCV	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
38	Sample	CCB	7G13055		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
39	Sample	7G13133-BS1	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
40	Sample	7G13133-BLK1	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
41	Sample	~~IQG1213-01~~	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
42	Sample	IQG1213-02	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
43	Sample	IQG1213-03	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
44	Sample	IQG1213-04	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
45	Sample	IQG1213-05	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
46	Sample	IQG1213-01	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
47	Sample	7G13133-MS1	7G13133	IQG1213-05	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
48	Sample	7G13133-MSD1	7G13133	IQG1213-05	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
49	Sample	CCV	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
50	Sample	CCB	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
51	Sample	CCB	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
52	Sample	CCB	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
53	Sample	IQG1233-17	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
54	Sample	~~IQG1233-16~~	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
55	Sample	IQG1233-16	7G13133		1.000000	1.000	10.000000	1.000000	1.000000	0.000000	100.000
56	Sample	IQG1233-15	7G13133		1.000000	1.000	1000000.000000	1.000000	1.000000	0.000000	100.000
57	Sample	CCV	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
58	Sample	CCB	7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
59	Sample		7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
60	Sample		7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
61	Sample		7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
62	Sample		7G13133		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000

PREPARATION BENCH SHEET

7G13055

TestAmerica - Irvine, CA

Printed: 7/13/2007 4:19:48PM

Matrix: Water

Prepared using: Wet Chemistry - General Prep

(No Surrogate)

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G13055-BLK1		QC	07/13/07 16:10	10	10			0		0					
7G13055-BS1		QC	07/13/07 16:10	10	10			100		100					
7G13055-MS1		QC	07/13/07 16:10	10	10			100		100					
7G13055-MSD1		QC	07/13/07 16:10	10	10			100		100					
IQG1031-01	E	Chromium VI-218.6 (0	07/13/07 16:10	10	10										
IQG1031-02	E	Chromium VI-218.6 (0	07/13/07 16:10	10	10										
IQG1031-03	E	Chromium VI-218.6 (0	07/13/07 16:10	10	10										
IQG1031-04	E	Chromium VI-218.6 (0	07/13/07 16:10	10	10										
IQG1031-05	E	Chromium VI-218.6 (0	07/13/07 16:10	10	10										
IQG1050-01	E	Chromium VI-218.6	07/13/07 16:10	10	10										J flag
IQG1052-01	C	Chromium VI-218.6	07/13/07 16:10	10	10										J flag
IQG1055-01	C	Chromium VI-218.6	07/13/07 16:10	10	10										J flag
IQG1094-01	E	Chromium VI-218.6	07/13/07 16:10	10	10										
IQG1099-01	H	Chromium VI-218.6	07/13/07 16:10	10	10										J flag
IQG1150-12	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-14	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-15	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-16	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-17	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-18	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										

Spiking Witnessed By Date

Preparation Reviewed By Date 7/14/07

Extracts Received By Date

PREPARATION BENCH SHEET

7G13055

TestAmerica - Irvine, CA

Printed: 7/13/2007 4:19:48PM

Matrix: Water

Prepared using: Wet Chemistry - General Prep

(No Surrogate)

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
IQG1150-19	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-20	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										
IQG1150-21	A	Chromium VI-7199, 1p	07/13/07 16:10	10	10										

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

DAILY DATA CHECKLIST

EPA 7199 & 218.6 – Hexavalent Chromium by IC

Analyst:	IM/Sla	2nd Level Review:	[illegible]
Analysis Date:	7/13/07	Date:	8/7/07
IC #:	IC4	Original Calibration date:	4/30/07
Method used:	7199 & 218.6	Original Calibration file #:	Chr6qd30.MTH
QC Batches:	7G13055, 7G13133		

Analyst Rev	2nd Level Rev	
✓	✓	New sequence file created for each day of analysis
✓	✓	Daily IPC: %REC = 90 - 110 for EPA 7199
✓	✓	%REC = 95 - 105 for EPA 218.6
✓	✓	ICB/CCB: After IPC/CCB and < RL
✓	✓	CCV: Every 10 samples and at end of run. %REC = 90 - 110 for EPA7199
✓		%REC = 95 - 105 for EPA 218.6
✓	✓	Method Blank: Every batch of 20 samples or less and < RL
✓	✓	LCS: Every batch of 20 samples or less
✓	✓	• Water samples (EPA 7199 & 218.6): %REC = 90-110 % or in-house limits
		• Soil samples (EPA 7199): in-house limits
✓		MS/MSD: EPA 7199 : every 20 samples or less
	✓	EPA 218.6: 1MS every 10 samples and 1MSD every 20 samples or less
		• EPA 7199: %REC (soluble Cr6) = 75-125% or in-house limits
		• EPA 7199: %REC (insoluble Cr6, soil samples) = 75-125% or in-house limits
✓	✓	• EPA 218.6: %REC = 90-110% or in-house limits
✓	✓	All samples adusted to proper pH (9.0-9.5), dilution factors, retention time, integration, peak shape, linear range, transcription errors and frequency between compliant CCV/CCB

Comments: See CAR # 8259 for IQG-1031-01

\G:\Depts\QUALITY\DATA_REV\CHCKLIST\WETCHEM\IC\Cr6_chk.doc
Rev 11/24/03

Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 8:36:39 AM
Reprocess Number	: ic2: 90360		
Operator	: inorg	Sample Name	: IB
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 8:27:24 AM	Cycle	: 1

Raw Data File : h:\data\ic4\20070713\20070713001.raw
Result File : h:\data\ic4\20070713\20070713001.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713001.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713001.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713001.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

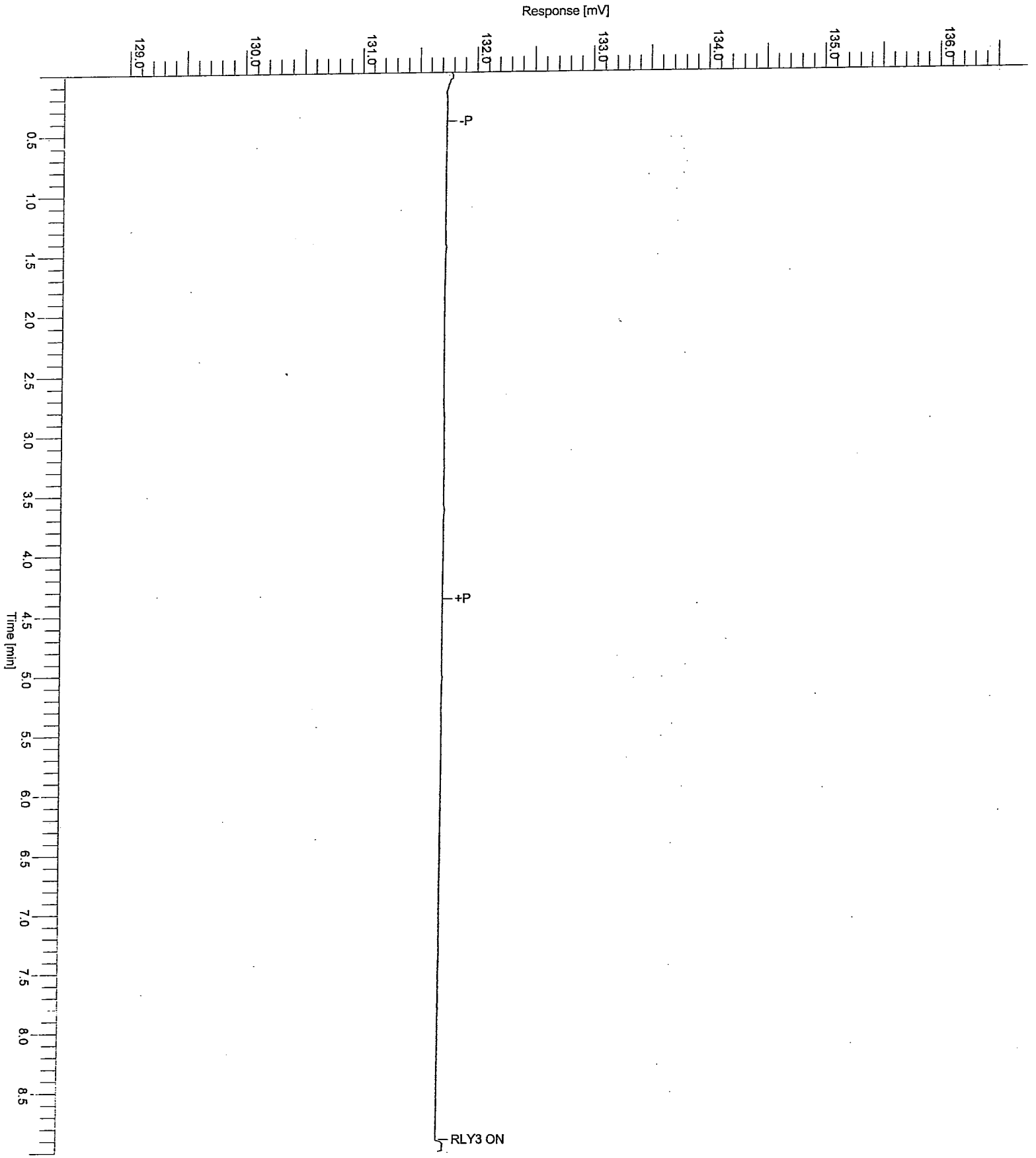
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713001.TX0

Chromatogram

Sample Name : IB
Sample #: 7G13055

FileName : h:\data\ic4\20070713\20070713001.raw
Date : 7/13/2007 8:36:41 AM
Method : chr6qd30.mth
Time of Injection: 7/13/2007 8:27:24 AM
Start Time : 0.00 min
End Time : 9.00 min
Low Point : 129.00 mV
High Point : 136.50 mV
Plot Offset: 129.00 mV
Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 8:47:50 AM
Reprocess Number	: ic2: 90361		
Operator	: inorg	Sample Name	: 7G13055-BS1
Sample Number	: 7G13055	Study	: 7060052
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 8:38:33 AM	Cycle	: 2

Raw Data File : h:\data\ic4\20070713\20070713002.raw
Result File : h:\data\ic4\20070713\20070713002.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713002.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713002.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713002.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

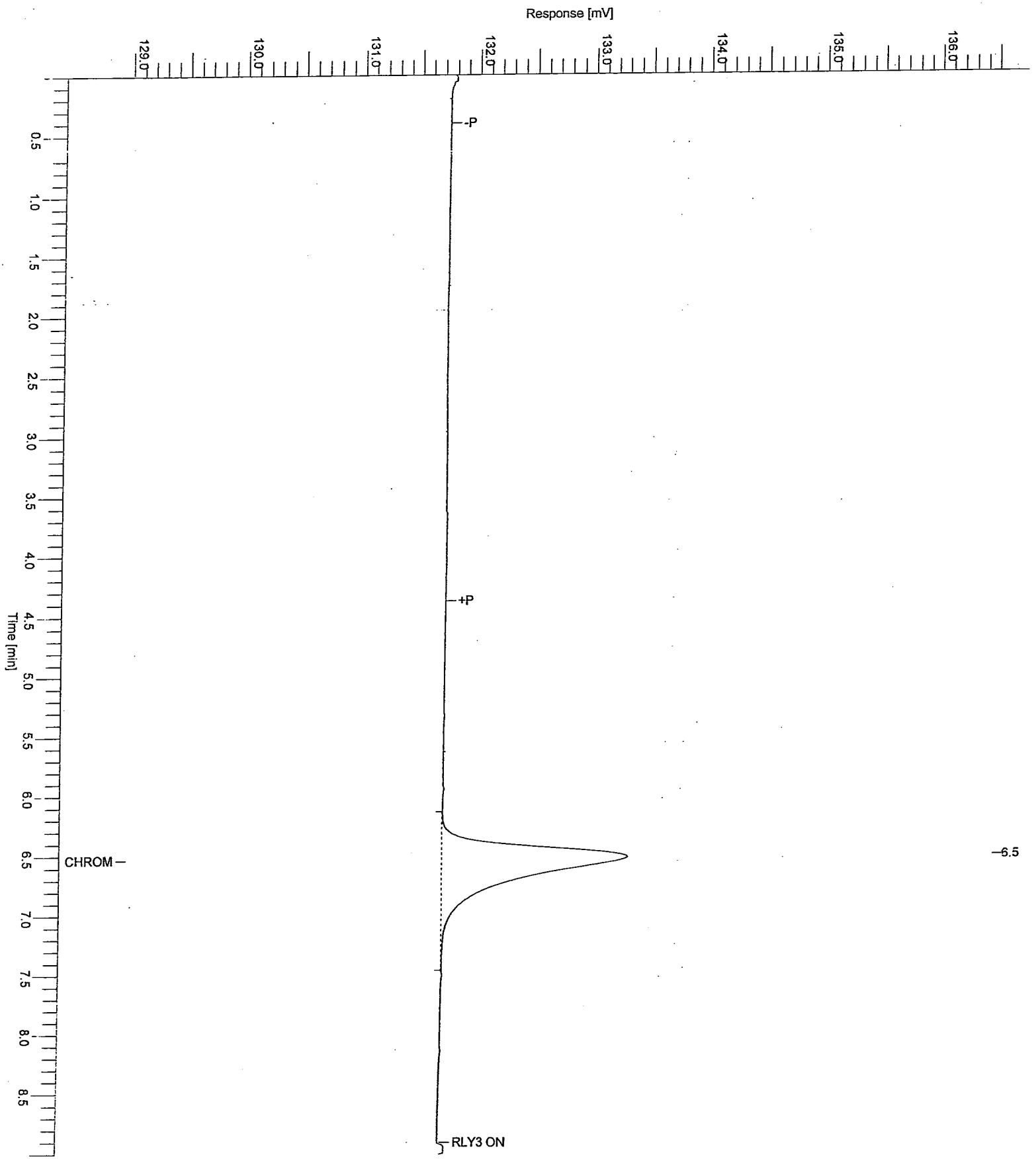
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.534	chrom6	27831.85	1.611e+03	50.4664	50.4664	*
			27831.85	1.611e+03	50.4664	50.4664	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713002.TX0

Chromatogram

Sample Name : 7G13055-BS1 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713002.raw
Date : 7/13/2007 8:47:52 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 8:38:33 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 8:58:52 AM
Reprocess Number	: ic2: 90362		
Operator	: inorg	Sample Name	: 7G13055-BLK1
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 8:49:40 AM	Cycle	: 3

Raw Data File : h:\data\ic4\20070713\20070713003.raw
Result File : h:\data\ic4\20070713\20070713003.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713003.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713003.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713003.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

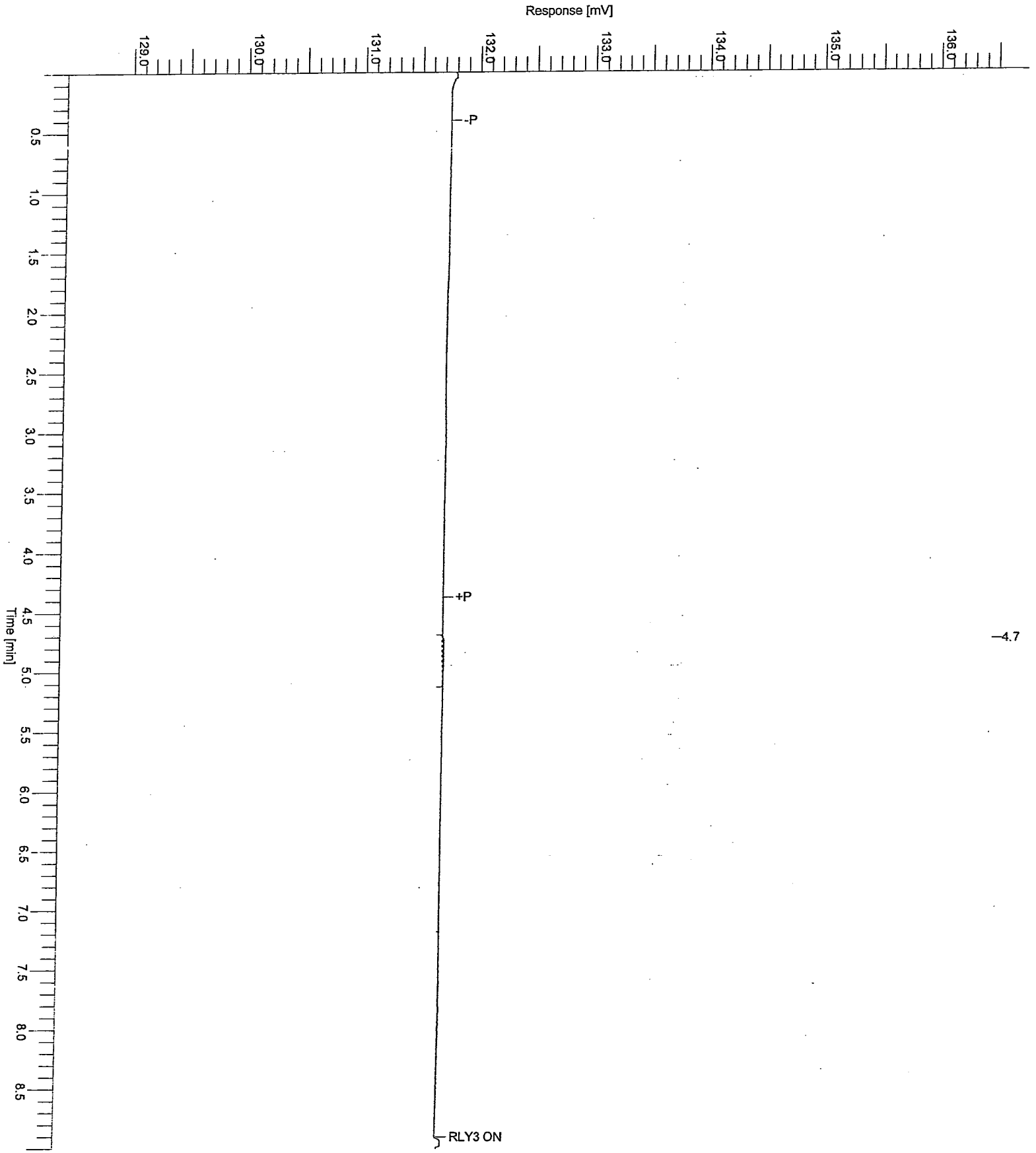
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713003.TX0

Chromatogram

Sample Name : 7G13055-BLK1 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713003.raw
Date : 7/13/2007 8:58:53 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 8:49:40 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 9:22:49 AM
Reprocess Number	: ic2: 90364		
Operator	: inorg	Sample Name	: IQG1031-02
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 9:13:36 AM	Cycle	: 5

Raw Data File : h:\data\ic4\20070713\20070713005.raw
Result File : h:\data\ic4\20070713\20070713005.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713005.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713005.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713005.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

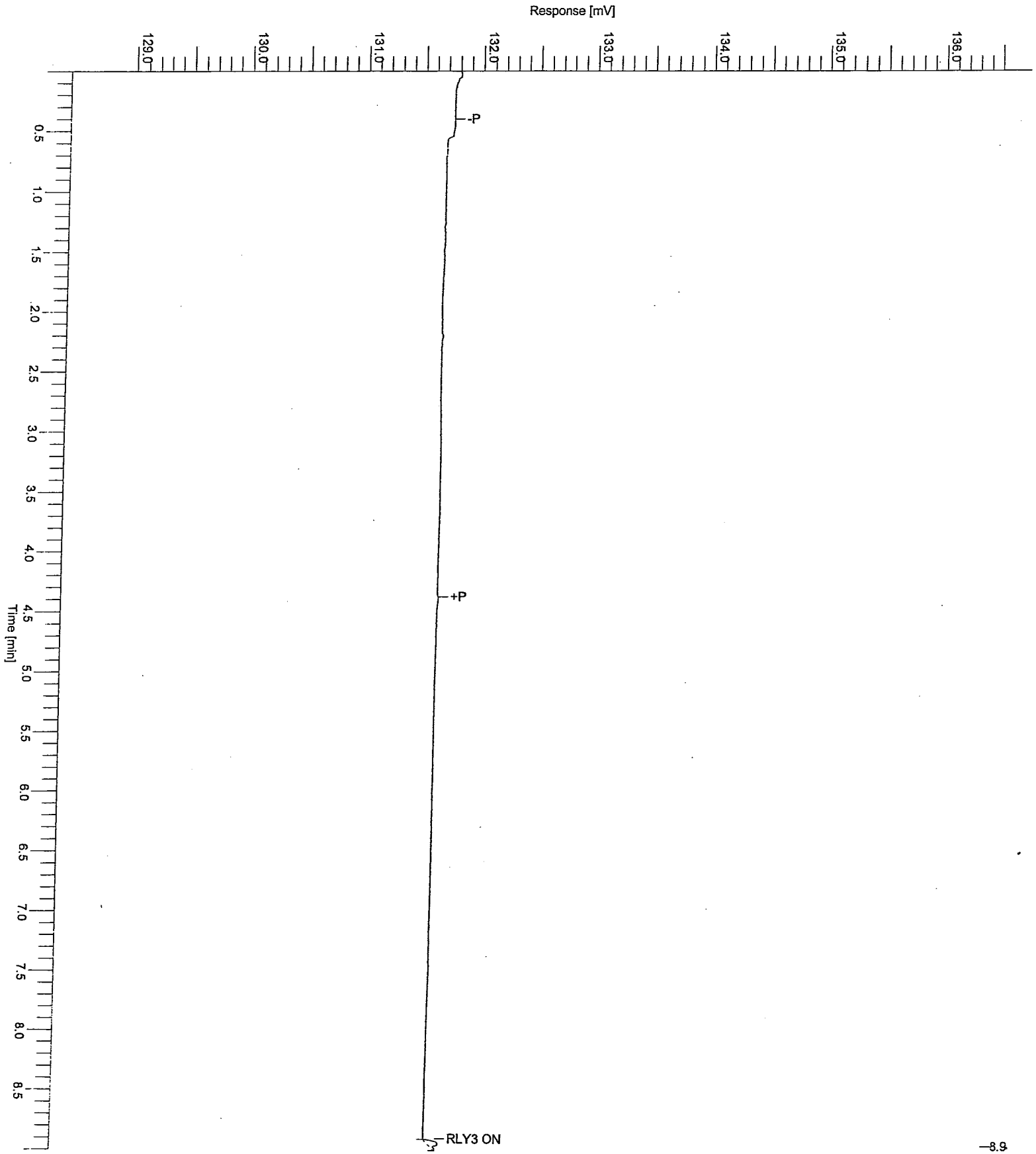
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713005.TX0

Chromatogram

Sample Name : IQG1031-02 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713005.raw
Date : 7/13/2007 9:22:50 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 9:13:36 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



8.9

Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 9:56:25 AM
Reprocess Number	: ic2: 90367		
Operator	: inorg	Sample Name	: IQG1031-03
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 9:47:10 AM	Cycle	: 8

Raw Data File : h:\data\ic4\20070713\20070713008.raw
Result File : h:\data\ic4\20070713\20070713008.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713008.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713008.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713008.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

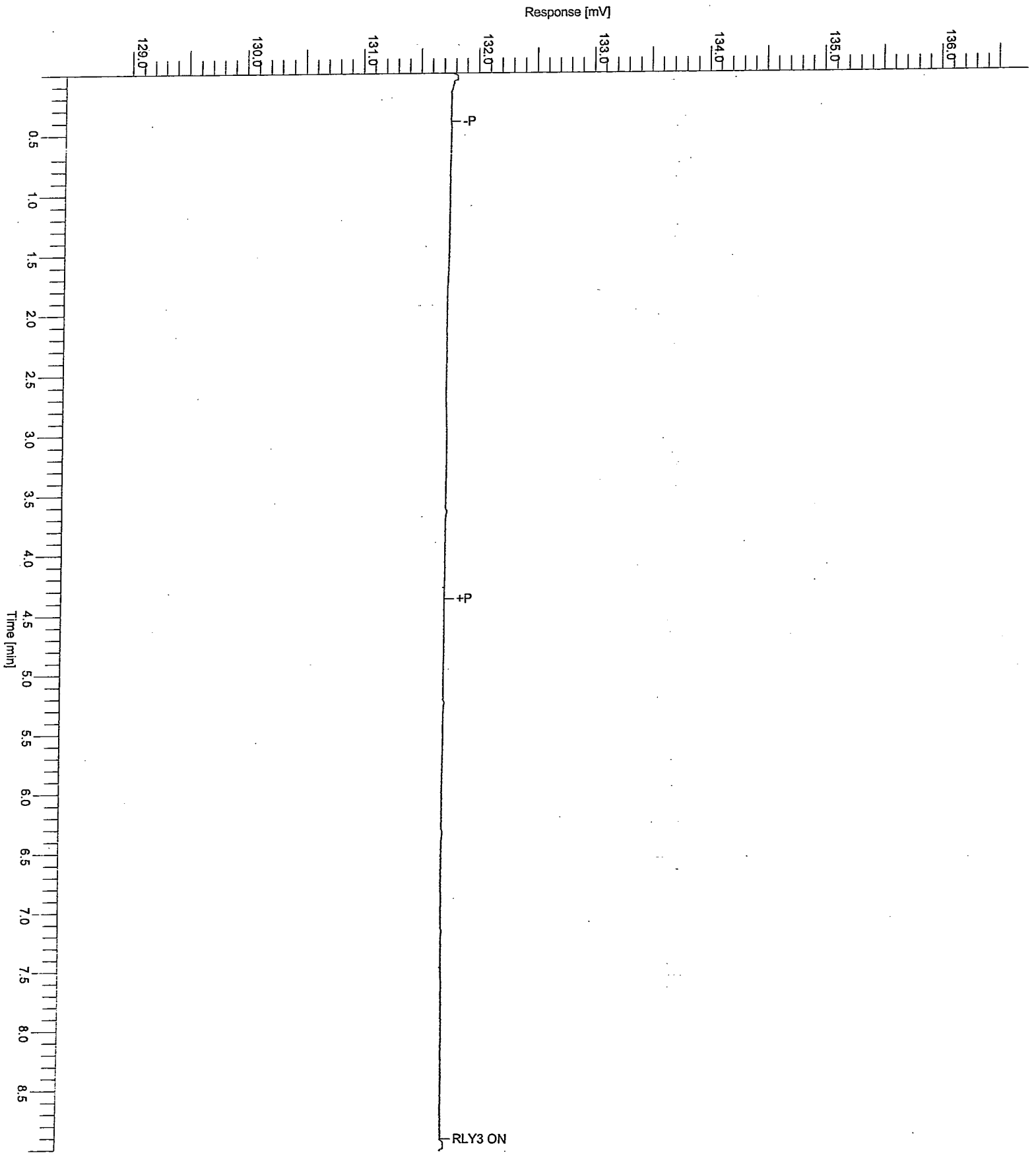
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713008.TX0

Chromatogram

Sample Name : IQG1031-03 Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713008.raw
Date : 7/13/2007 9:56:27 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 9:47:10 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 10:19:55 AM
Reprocess Number	: ic2: 90369		
Operator	: inorg	Sample Name	: IQG1031-04
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 10:10:38 AM	Cycle	: 10

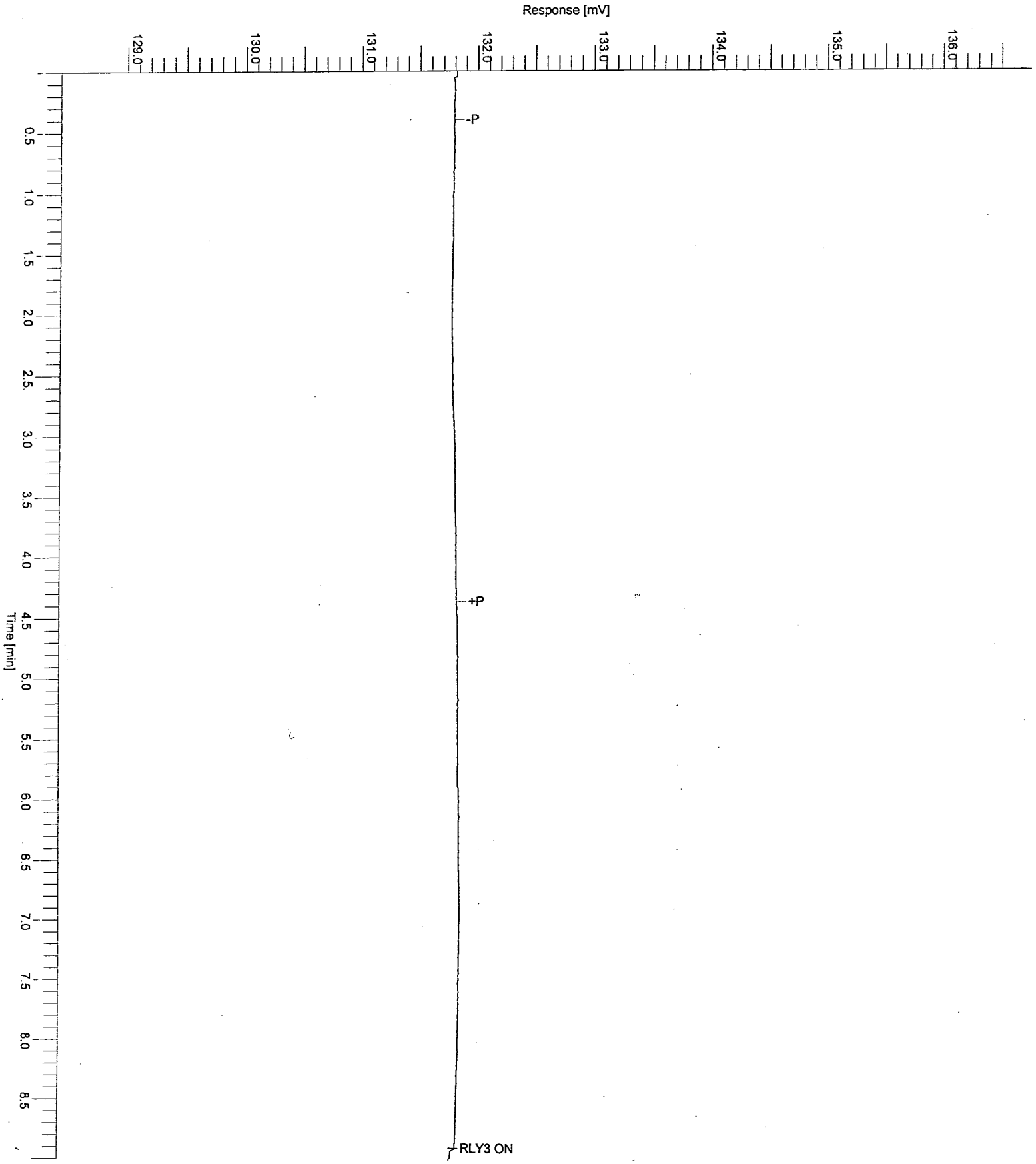
Raw Data File : h:\data\ic4\20070713\20070713010.raw
Result File : h:\data\ic4\20070713\20070713010.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713010.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713010.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713010.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713010.TX0

Sample Name : IQG1031-04 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713010.raw
Date : 7/13/2007 10:19:57 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 10:10:38 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 10:42:09 AM
Reprocess Number	: ic2: 90371		
Operator	: inorg	Sample Name	: IQG1031-05
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 10:32:56 AM	Cycle	: 12

Raw Data File : h:\data\ic4\20070713\20070713012.raw
Result File : h:\data\ic4\20070713\20070713012.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713012.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713012.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713012.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

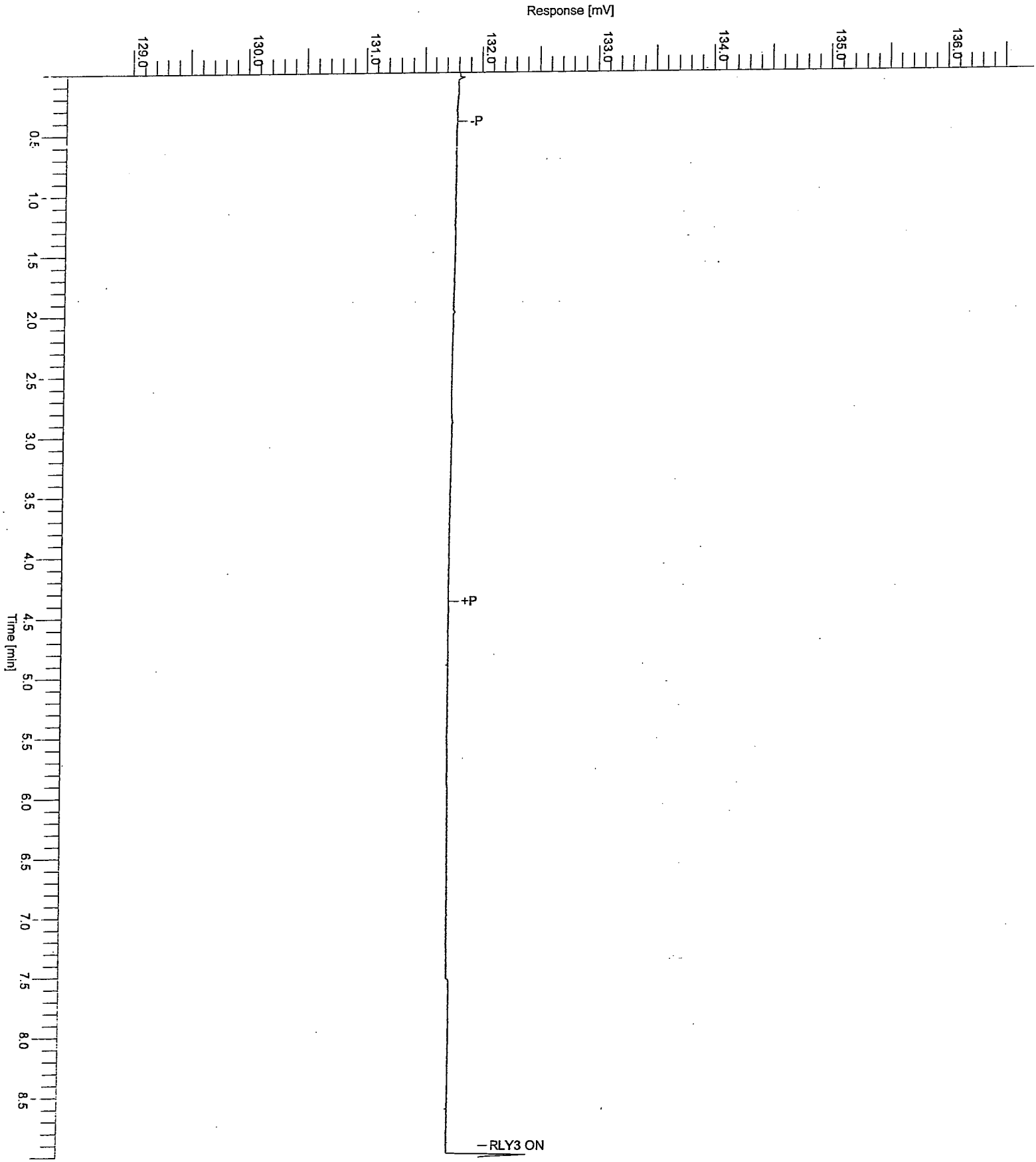
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713012.TX0

Chromatogram

Sample Name : IQG1031-05 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713012.raw
Date : 7/13/2007 10:42:11 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 10:32:56 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 10:56:50 AM
Reprocess Number	: ic2: 90372		
Operator	: inorg	Sample Name	: IQG1031-01
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 10:47:36 AM	Cycle	: 13

Raw Data File : h:\data\ic4\20070713\20070713013.raw
Result File : h:\data\ic4\20070713\20070713013.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713013.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713013.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713013.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

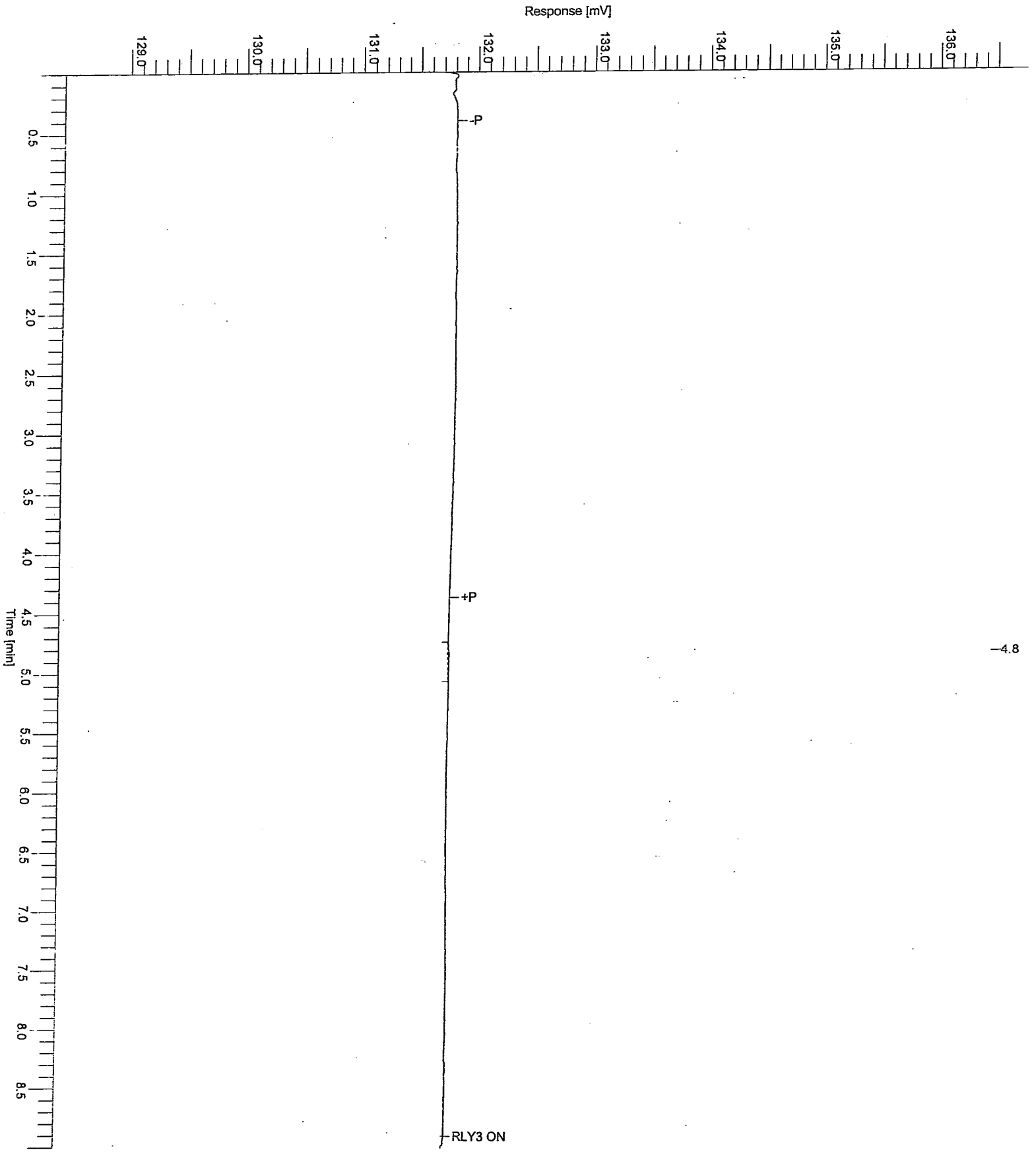
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713013.TX0

Chromatogram

Sample Name : IQG1031-01 Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713013.raw
Date : 7/13/2007 10:56:51 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 10:47:36 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 11:23:11 AM
Reprocess Number	: ic2: 90374		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 11:13:54 AM	Cycle	: 14

Raw Data File : h:\data\ic4\20070713\20070713014.raw
Result File : h:\data\ic4\20070713\20070713014.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713014.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713014.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713014.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

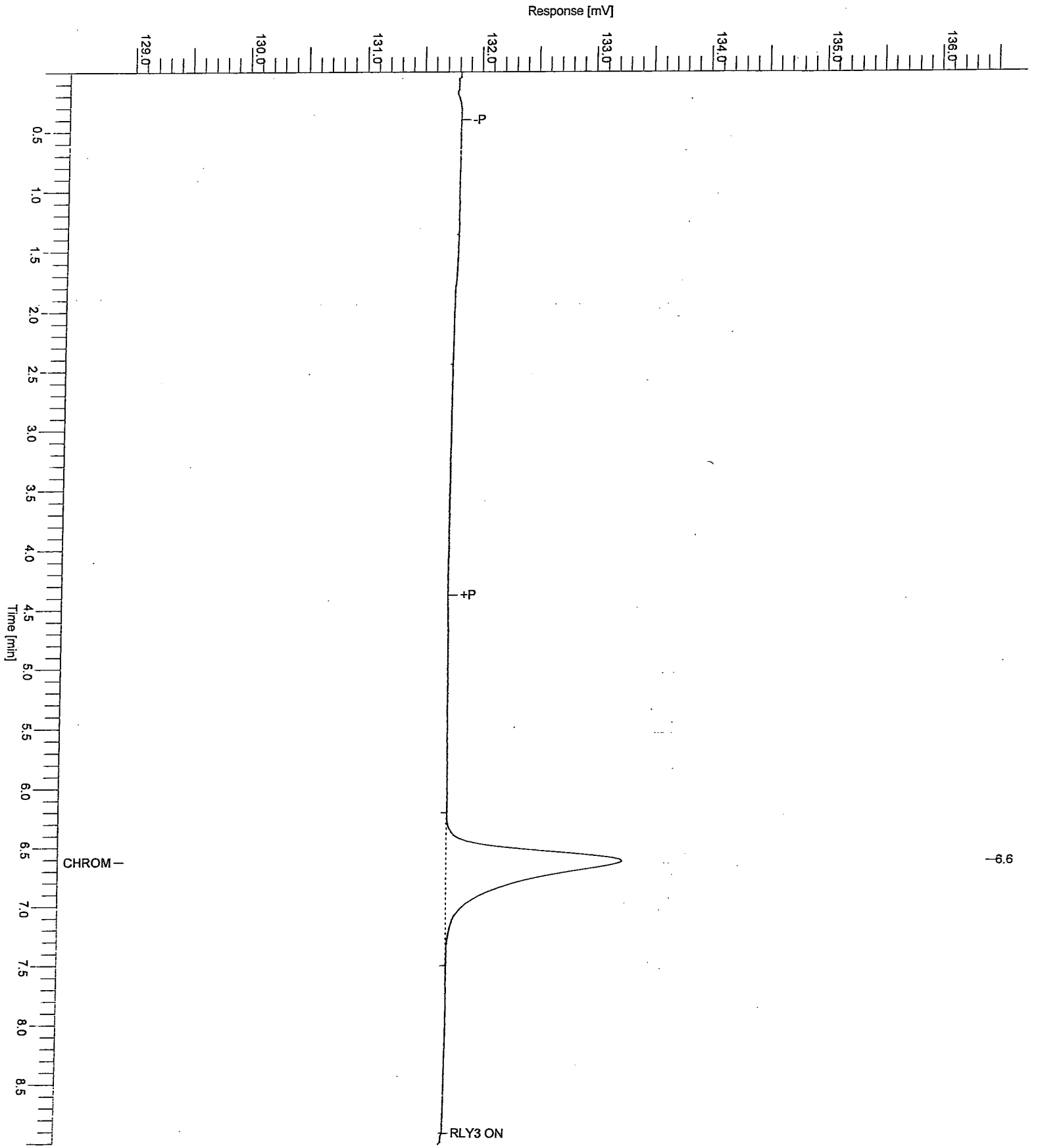
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.625	chrom6	26529.25	1.536e+03	48.1155	48.1155	*
			26529.25	1.536e+03	48.1155	48.1155	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713014.TX0

Chromatogram

Sample Name : CCV Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713014.raw
Date : 7/13/2007 11:23:12 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 11:13:54 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 11:34:19 AM
Reprocess Number	: ic2: 90375		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 11:25:03 AM	Cycle	: 15

Raw Data File : h:\data\ic4\20070713\20070713015.raw
Result File : h:\data\ic4\20070713\20070713015.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713015.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713015.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713015.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

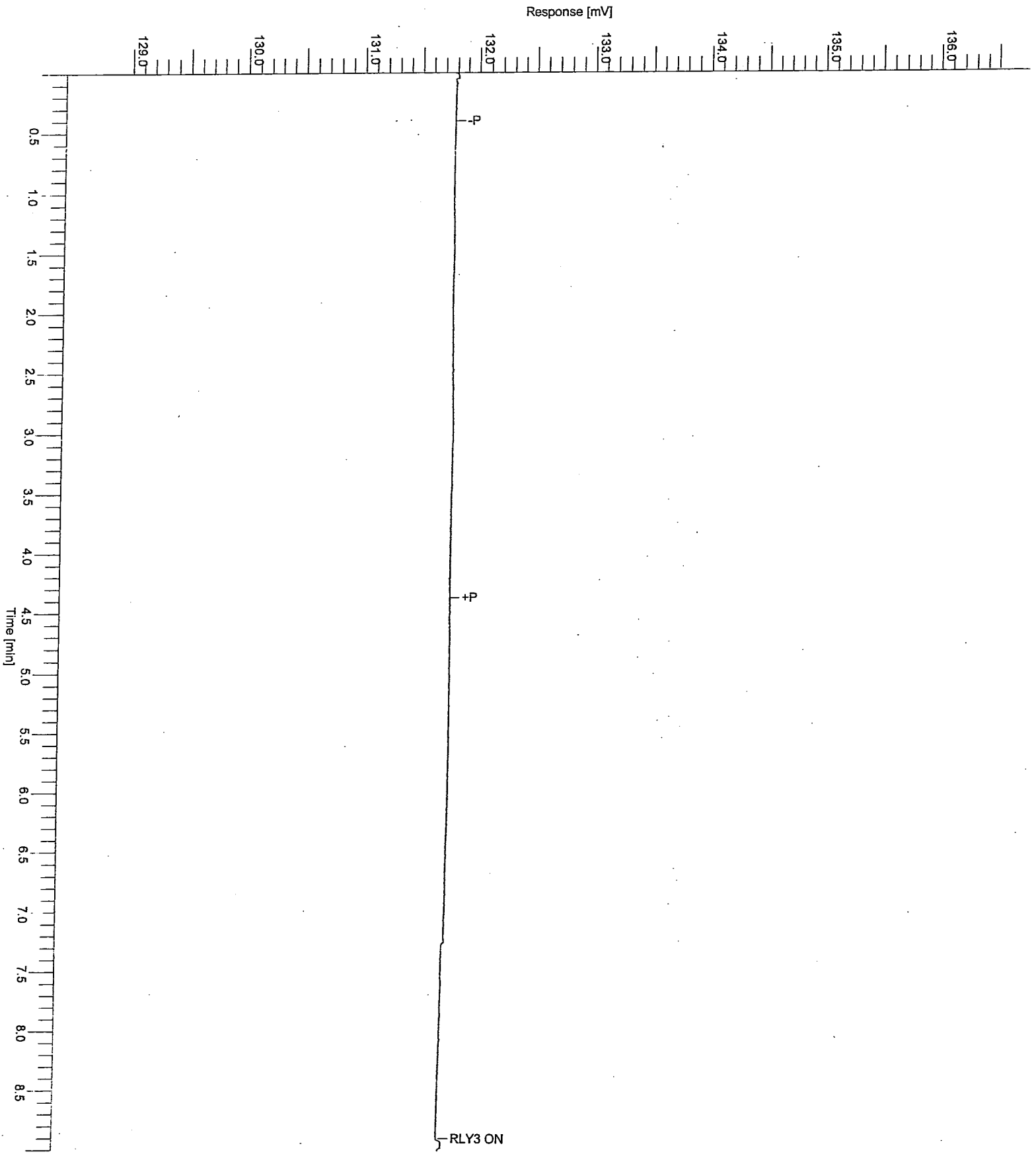
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713015.TX0

Chromatogram

Sample Name : CCB Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713015.raw
Date : 7/13/2007 11:34:20 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 11:25:03 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 11:45:25 AM
Reprocess Number	: ic2: 90377		
Operator	: inorg	Sample Name	: 7G13055-MS1
Sample Number	: 7G13055	Study	: IQG1031-02
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 11:36:10 AM	Cycle	: 16

Raw Data File : h:\data\ic4\20070713\20070713016.raw
Result File : h:\data\ic4\20070713\20070713016.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713016.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713016.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713016.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

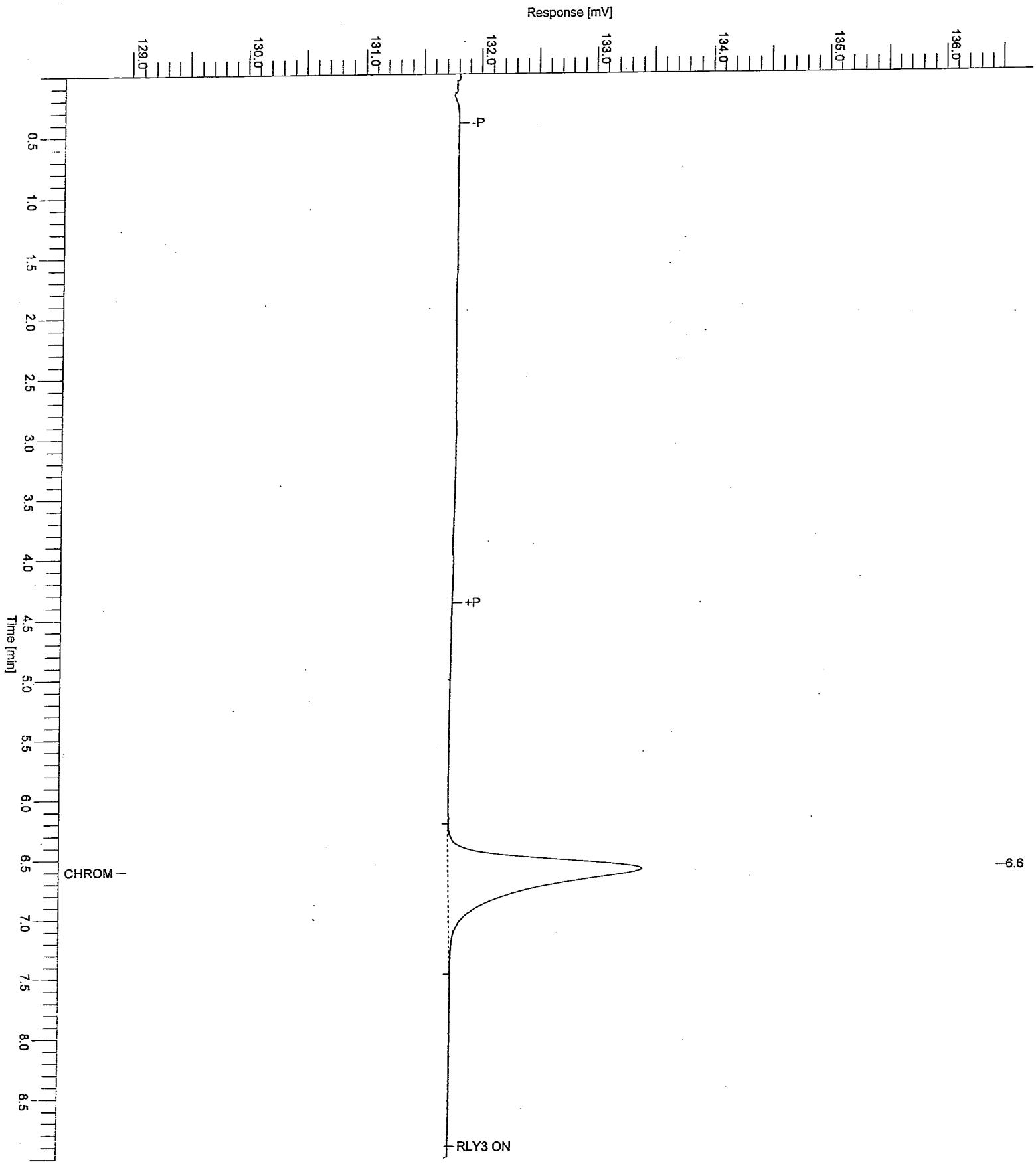
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.605	chrom6	27875.00	1.679e+03	52.5861	52.5861	*
			27875.00	1.679e+03	52.5861	52.5861	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713016.TX0

Chromatogram

Sample Name : 7G13055-MS1 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713016.raw
Date : 7/13/2007 11:45:26 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 11:36:10 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 11:56:34 AM
Reprocess Number	: ic2: 90378		
Operator	: inorg	Sample Name	: 7G13055-MSD1
Sample Number	: 7G13055	Study	: IQG1031-02
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 11:47:19 AM	Cycle	: 17

Raw Data File : h:\data\ic4\20070713\20070713017.raw
Result File : h:\data\ic4\20070713\20070713017.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713017.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713017.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713017.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

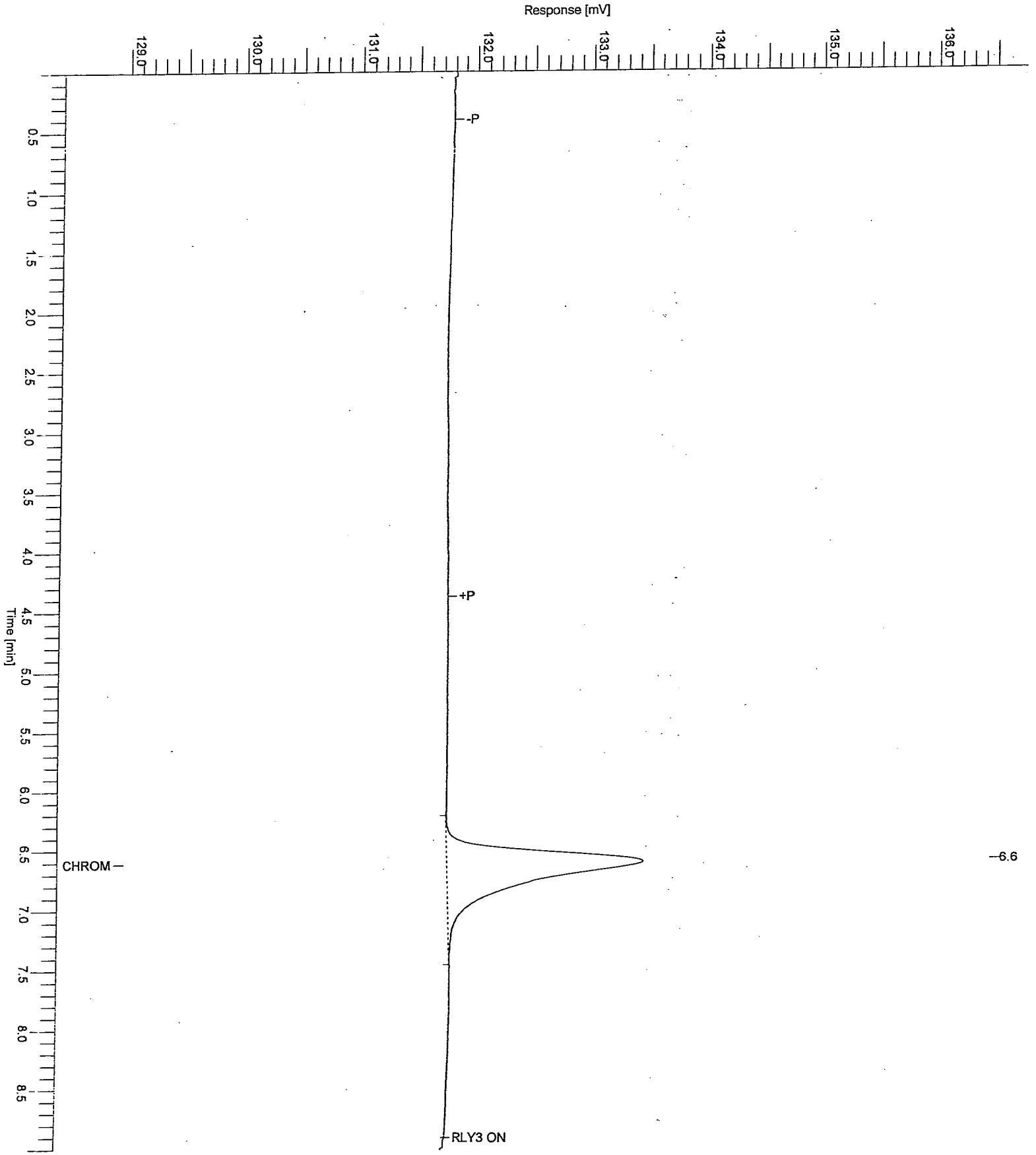
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.617	chrom6	28609.50	1.705e+03	53.3948	53.3948	*
			28609.50	1.705e+03	53.3948	53.3948	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713017.TX0

Chromatogram

Sample Name : 7G13055-MSD1 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713017.raw
Date : 7/13/2007 11:56:35 AM
Method : chr6qd30.mth Time of Injection: 7/13/2007 11:47:19 AM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 12:18:54 PM
Reprocess Number	: ic2: 90381		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 12:09:38 PM	Cycle	: 19

Raw Data File : h:\data\ic4\20070713\20070713019.raw
Result File : h:\data\ic4\20070713\20070713019.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713019.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713019.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713019.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

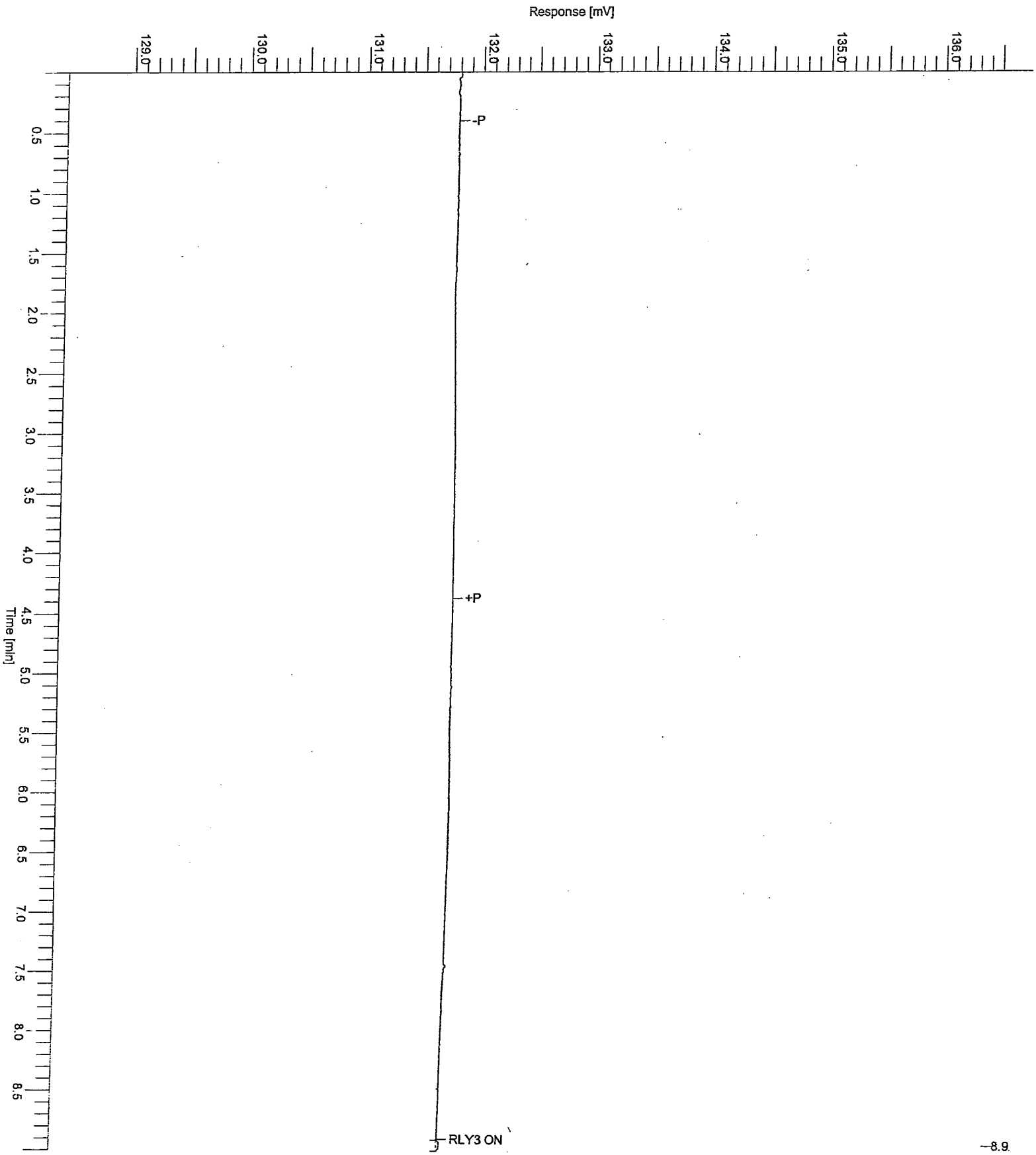
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713019.TX0

Chromatogram

Sample Name : CCB Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713019.raw
Date : 7/13/2007 12:18:55 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 12:09:38 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 12:56:39 PM
Reprocess Number	: ic2: 90384		
Operator	: inorg	Sample Name	:
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 12:47:22 PM	Cycle	: 21

Raw Data File : h:\data\ic4\20070713\20070713021.raw
Result File : h:\data\ic4\20070713\20070713021.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713021.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713021.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713021.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

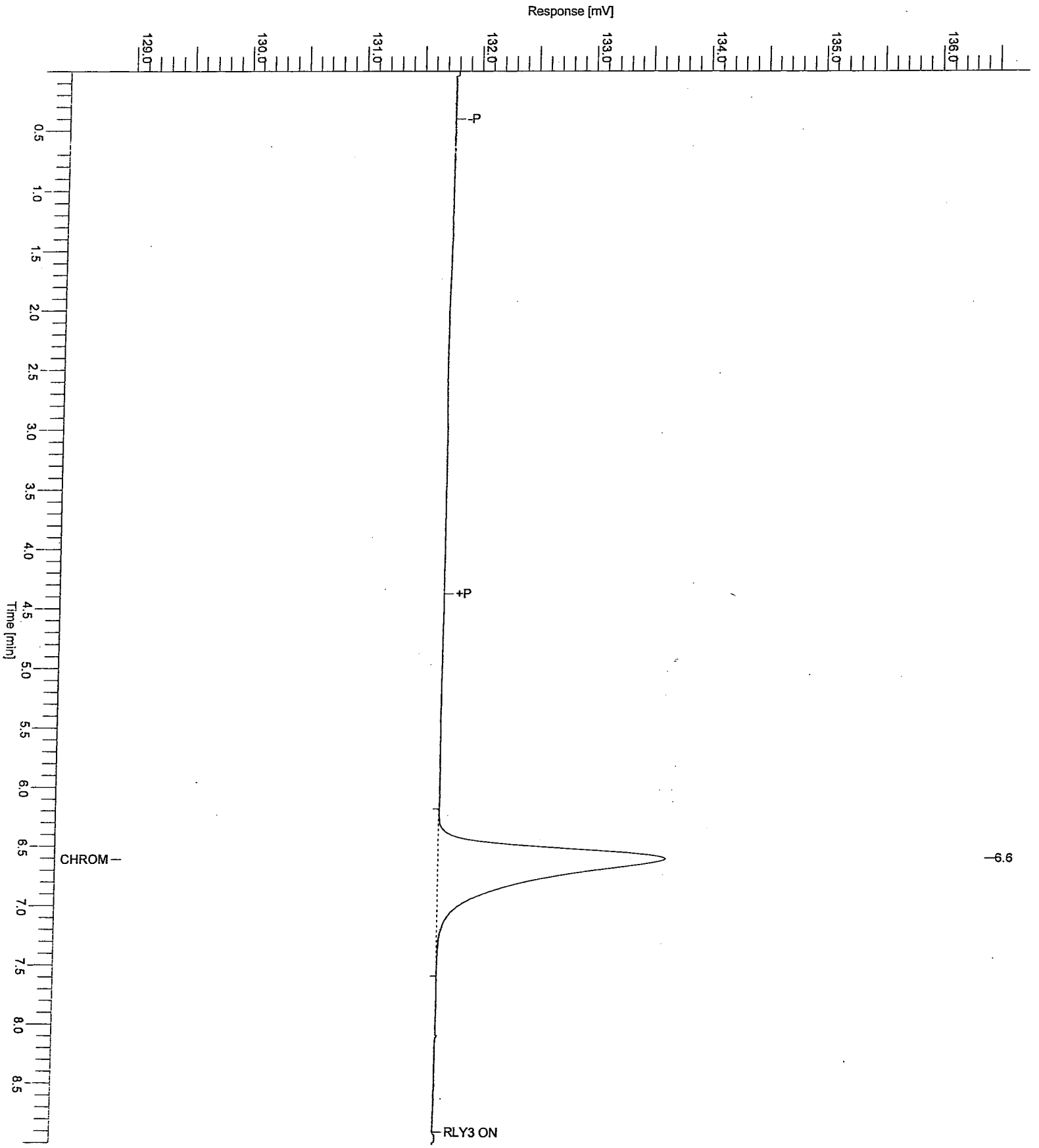
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.611	chrom6	34982.75	1.980e+03	62.0366	62.0366	*
			34982.75	1.980e+03	62.0366	62.0366	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713021.TX0

Chromatogram

Sample Name : Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713021.raw
Date : 7/13/2007 12:56:40 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 12:47:22 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 1:25:11 PM
Reprocess Number	: ic2: 90386		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 1:15:55 PM	Cycle	: 22

New guard disc.

Raw Data File : h:\data\ic4\20070713\20070713022.raw
Result File : h:\data\ic4\20070713\20070713022.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713022.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713022.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713022.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

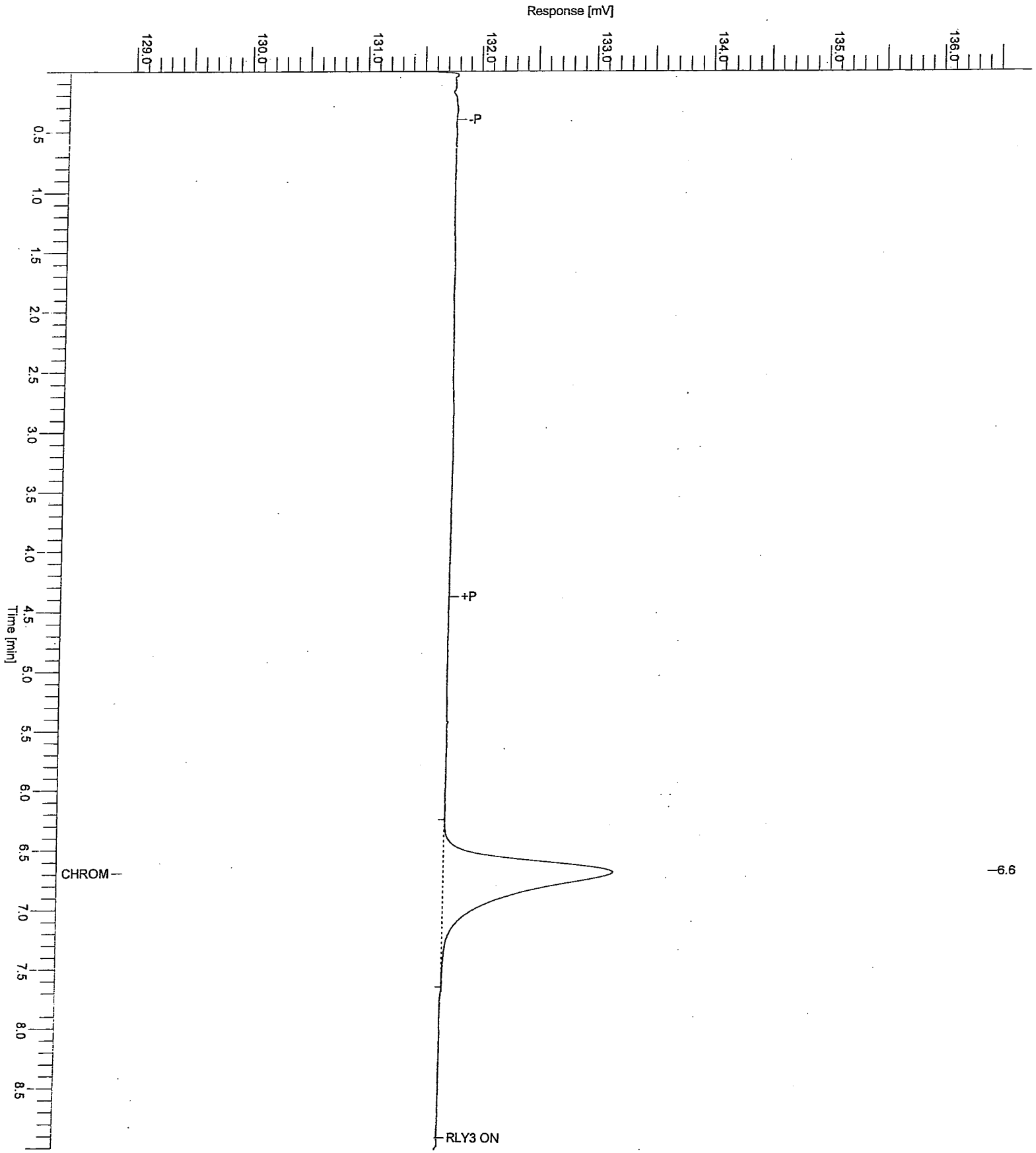
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.693	chrom6	27403.90	1.482e+03	46.4275	46.4275	*
			27403.90	1.482e+03	46.4275	46.4275	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713022.TX0

Chromatogram

Sample Name : CCV Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713022.raw
Date : 7/13/2007 1:25:12 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 1:15:55 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 4:01:08 PM
Reprocess Number	: ic2: 90404		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 3:51:56 PM	Cycle	: 33

Raw Data File : h:\data\ic4\20070713\20070713033.raw
Result File : h:\data\ic4\20070713\20070713033.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713033.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713033.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713033.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

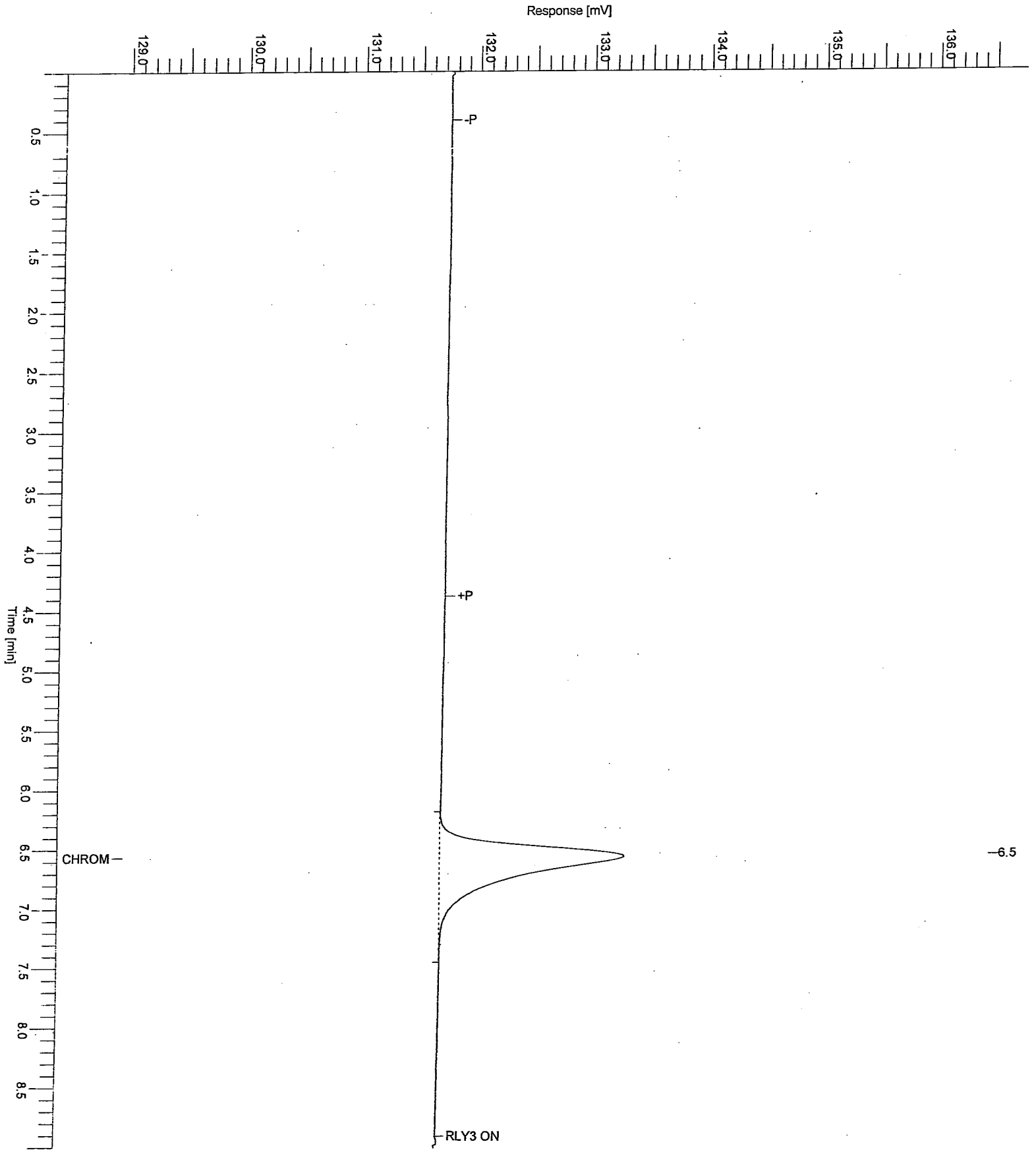
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.570	chrom6	27190.50	1.615e+03	50.5874	50.5874	*
			27190.50	1.615e+03	50.5874	50.5874	

* Warning – uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713033.TX0

Chromatogram

Sample Name : CCV Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713033.raw
Date : 7/13/2007 4:01:09 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 3:51:56 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 4:15:38 PM
Reprocess Number	: ic2: 90405		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 4:06:25 PM	Cycle	: 34

Raw Data File : h:\data\ic4\20070713\20070713034.raw
Result File : h:\data\ic4\20070713\20070713034.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713034.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713034.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713034.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

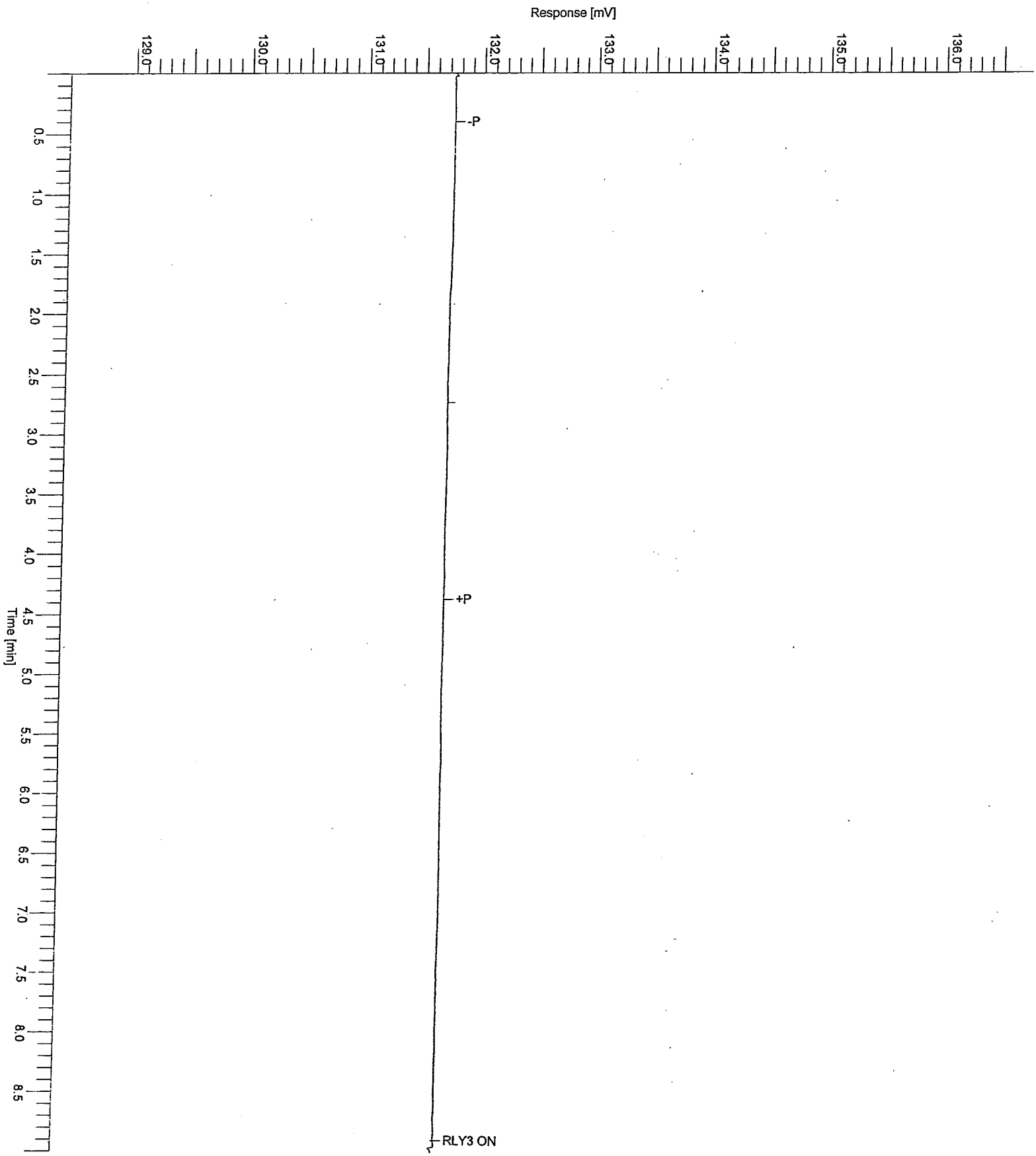
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713034.TX0

Chromatogram

Sample Name : CCB Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713034.raw
Date : 7/13/2007 4:15:39 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 4:06:25 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 4:26:44 PM
Reprocess Number	: ic2: 90406		
Operator	: inorg	Sample Name	: 7G13055-MS2
Sample Number	: 7G13055	Study	: IQG1150-16
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 4:17:32 PM	Cycle	: 35

Raw Data File : h:\data\ic4\20070713\20070713035.raw
Result File : h:\data\ic4\20070713\20070713035.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713035.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713035.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713035.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

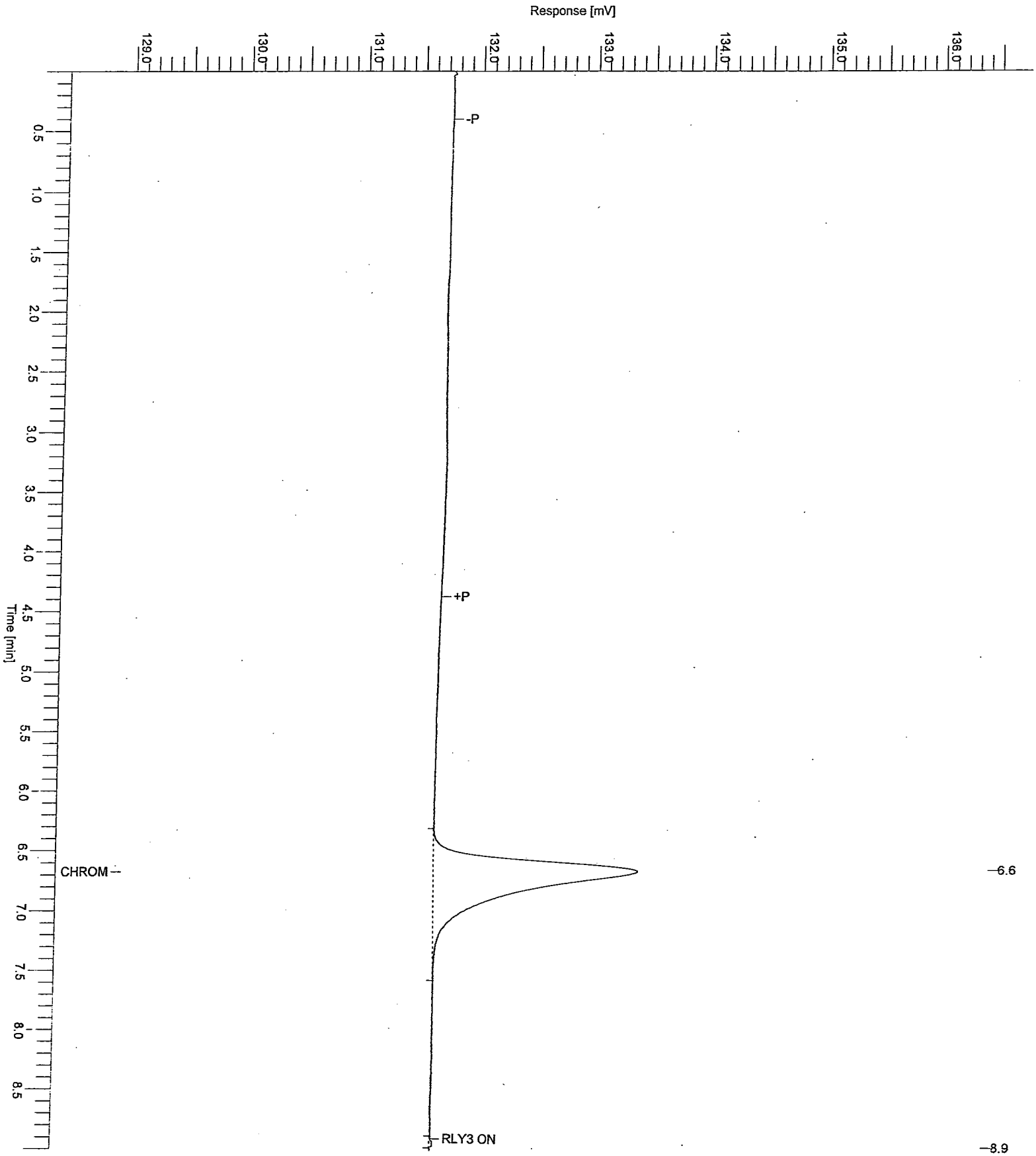
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.675	chrom6	29878.20	1.777e+03	55.6672	55.6672	*
			29878.20	1.777e+03	55.6672	55.6672	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713035.TX0

Chromatogram

Sample Name : 7G13055-MS2 Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713035.raw
Date : 7/13/2007 4:26:45 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 4:17:32 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 4:37:53 PM
Reprocess Number	: ic2: 90407		
Operator	: inorg	Sample Name	: 7G13055-MSD2
Sample Number	: 7G13055	Study	: IQG1150-16
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 4:28:42 PM	Cycle	: 36

Raw Data File : h:\data\ic4\20070713\20070713036.raw
Result File : h:\data\ic4\20070713\20070713036.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713036.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713036.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713036.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

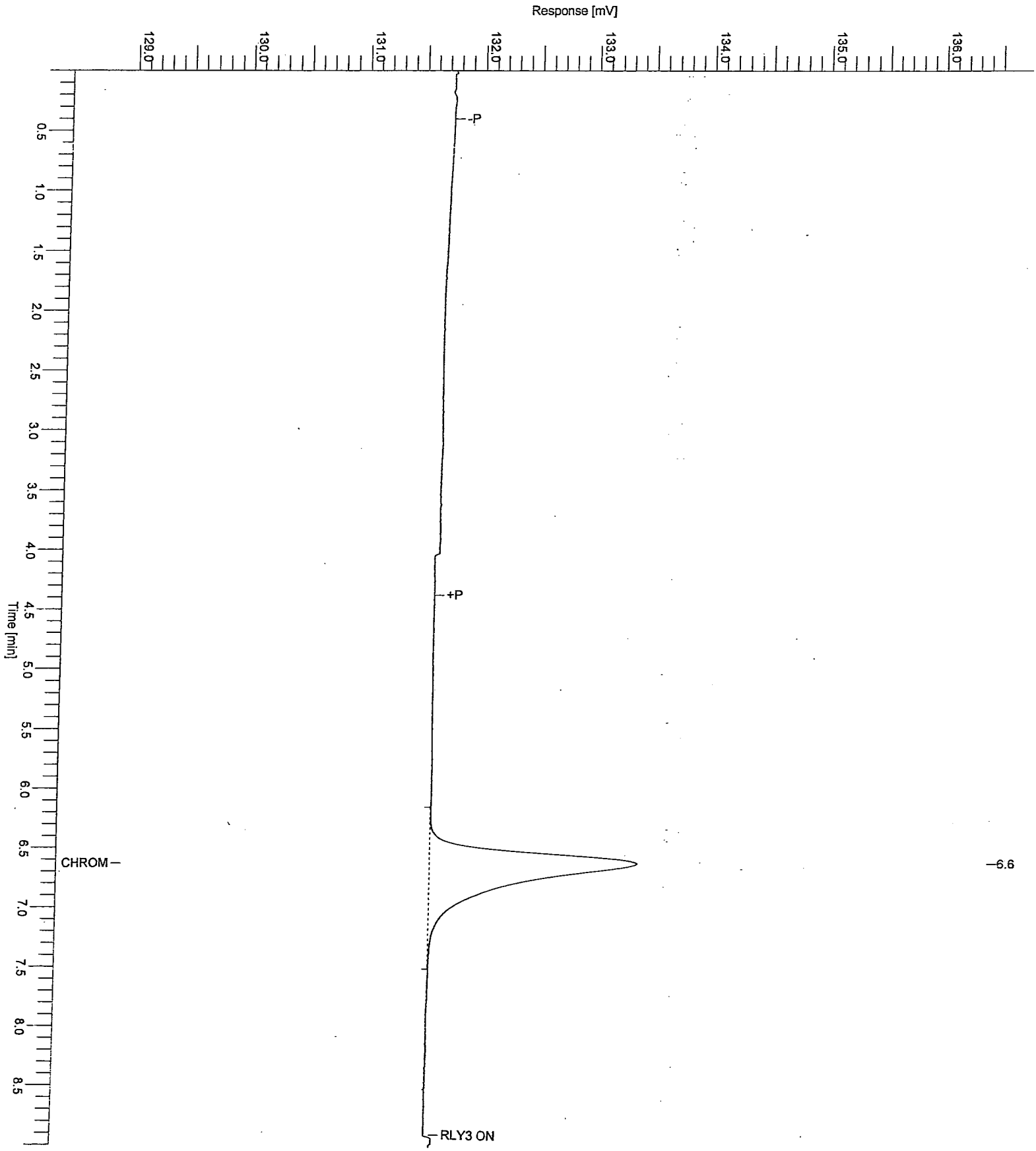
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.633	chrom6	30640.60	1.811e+03	56.7360	56.7360	*
			30640.60	1.811e+03	56.7360	56.7360	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713036.TX0

Chromatogram

Sample Name : 7G13055-MSD2 Sample #: 7G13055
FileName : h:\data\ic4\20070713\20070713036.raw
Date : 7/13/2007 4:37:55 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 4:28:42 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 4:50:26 PM
Reprocess Number	: ic2: 90408		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 4:41:09 PM	Cycle	: 37

Raw Data File : h:\data\ic4\20070713\20070713037.raw
Result File : h:\data\ic4\20070713\20070713037.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713037.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713037.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713037.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

CHROM6

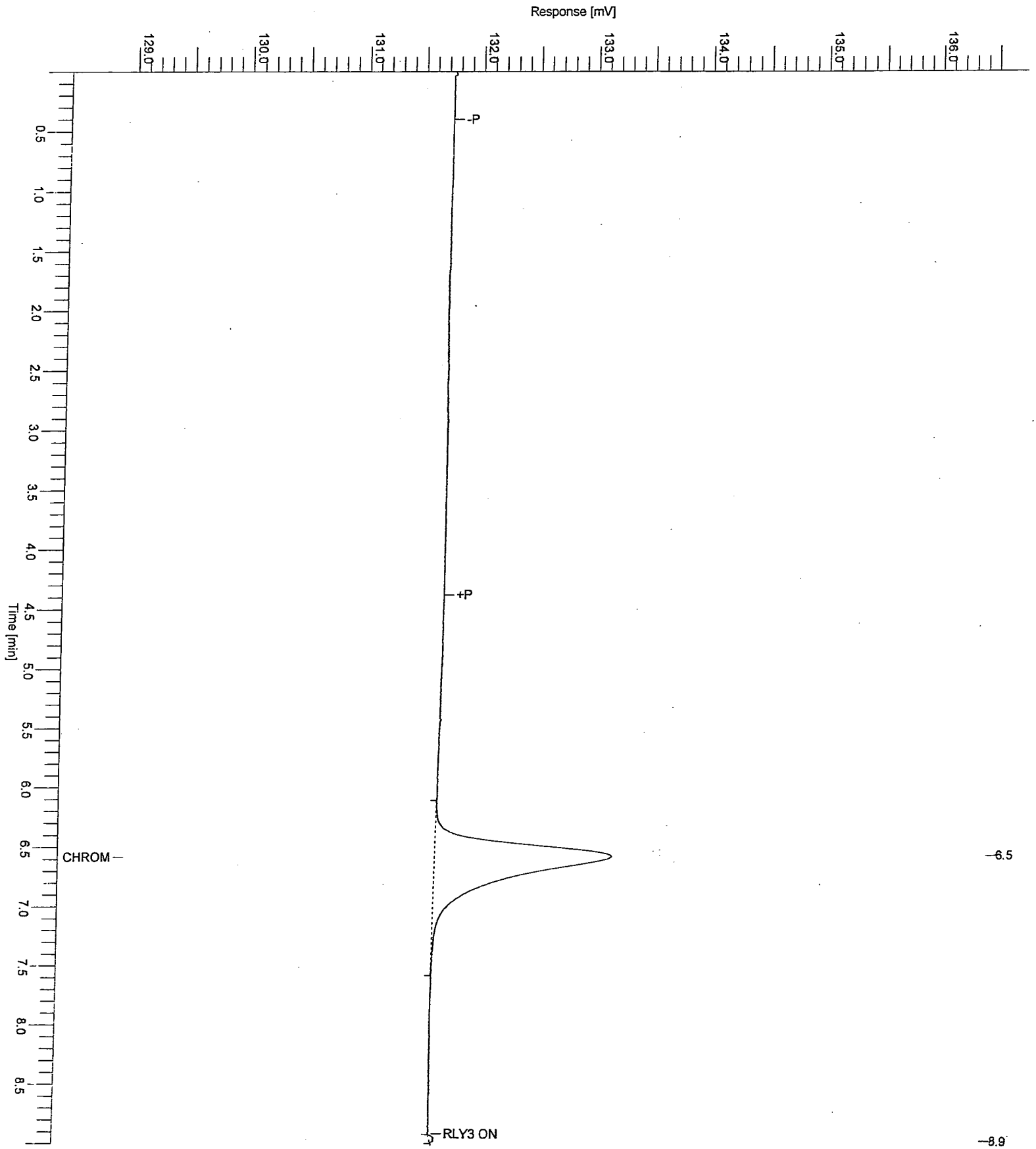
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.583	chrom6	28301.60	1.543e+03	48.3318	48.3318	*
			28301.60	1.543e+03	48.3318	48.3318	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070713\20070713037.TX0

Chromatogram

Sample Name : CCV Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713037.raw
Date : 7/13/2007 4:50:28 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 4:41:09 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/13/2007 5:01:36 PM
Reprocess Number	: ic2: 90409		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G13055	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: ICDNX4	Channel	: A
Interface Serial #	: 2100574712	A/D mV Range	: 1000
Delay Time	: 0.30 min	End Time	: 9.00 min
Sampling Rate	: 20.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 7/13/2007 4:52:18 PM	Cycle	: 38

Raw Data File : h:\data\ic4\20070713\20070713038.raw
Result File : h:\data\ic4\20070713\20070713038.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713038.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713038.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070713\20070713038.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070713\20070713.seq

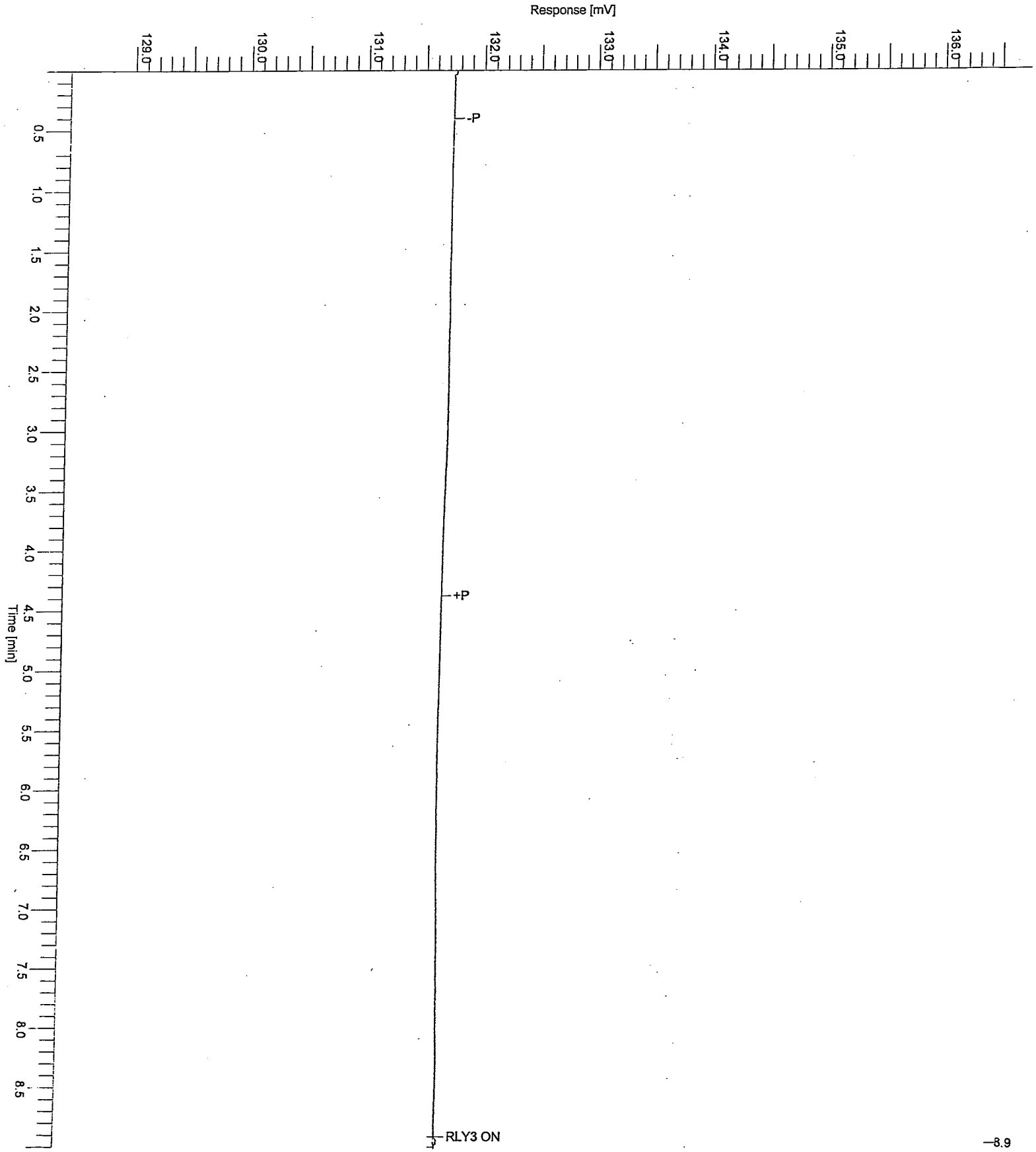
CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070713\20070713038.TX0

Chromatogram

Sample Name : CCB Sample #: 7G13055 Page 1 of 1
FileName : h:\data\ic4\20070713\20070713038.raw
Date : 7/13/2007 5:01:38 PM
Method : chr6qd30.mth Time of Injection: 7/13/2007 4:52:18 PM
Start Time : 0.00 min End Time : 9.00 min Low Point : 129.00 mV High Point : 136.50 mV
Plot Offset: 129.00 mV Plot Scale: 7.5 mV



TestAmerica
ANALYTICAL TESTING CORPORATION
17461Derian Ave. Suite 100 Irvine CA 92614 (949) 261-1022 FAX (949) 260-3297

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG1031
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

EPA 524.2 & EPA 524M-TCP
SUBCONTRACTED LABORATORY RAW DATA
(TESTAMERICA – ONTARIO, CA)

- INITIAL CALIBRATION
- CONTINUING CALIBRATION
- RUN LOG
- TUNE REPORT
- QUANTITATION REPORTS
- CHROMATOGRAMS

IQG1031 / CQG0475
LEVEL IV DATA PACKAGE

CHAIN OF CUSTODY

SUBCONTRACT ORDER

TestAmerica - Irvine, CA

IQG1031

SENDING LABORATORY:

TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Trevor Brenner
Client: GPL Laboratories

RECEIVING LABORATORY:

TestAmerica - Ontario, CA
1014 E. Cooley Drive, Suite AB
Colton, CA 92324
Phone :(909) 370-4667
Fax: (909) 370-1046
Project Location: California
Receipt Temperature: 3 °C Ice: Y / N

CQG0475

Analysis	Due	Expires	Interlab	Surch	Comments
Sample ID: IQG1031-01	**Water**				
		Sampled: 07/12/07 08:10			
524.2 CA 123-TCP (SIM)	DM07/23/07 12:00	07/26/07 08:10	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 08:10	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-02	**Water**				
		Sampled: 07/12/07 08:50			
524.2 CA 123-TCP (SIM)	DM07/23/07 12:00	07/26/07 08:50	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 08:50	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-03	**Water**				
		Sampled: 07/12/07 09:45			
524.2 CA 123-TCP (SIM)	DM07/23/07 12:00	07/26/07 09:45	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 09:45	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-04	**Water**				
		Sampled: 07/12/07 10:00			
524.2 CA 123-TCP (SIM)	DM07/23/07 12:00	07/26/07 10:00	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 10:00	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			
Sample ID: IQG1031-05	**Water**				
		Sampled: 07/12/07 11:00			
524.2 CA 123-TCP (SIM)	DM07/23/07 12:00	07/26/07 11:00	$110.00	0%	
Level 4 + EDD-Colton - Out	07/23/07 12:00	08/09/07 11:00	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/Ascorbic acid (A)	40 mL VOA w/Ascorbic acid (B)	40 mL VOA w/Ascorbic acid (C)			

Released By _____ Date/Time _____ Received By _____

IQG1031 / CQG0475
LEVEL IV DATA PACKAGE

ANALYTICAL REPORT

TestAmerica
ANALYTICAL TESTING CORPORATION

1014 E. Cooley Dr, Ste A, Colton, CA 92324 (909) 370-4667 Fax:(909) 370-1046

LABORATORY REPORT

Prepared For: TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Attention: Trevor Brenner

Project: Omega Chemical OU-2 SSID-BC
IQG1031

Sampled: 07/12/07
Received: 07/13/07
Issued: 07/23/07 13:45

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
CQG0475-01	IQG1031-01 (OC2-MW27D-W-0-590)	Water
CQG0475-02	IQG1031-02 (OC2-MW27C-W-0-591)	Water
CQG0475-03	IQG1031-03 (OC2-MW27B-W-0-592)	Water
CQG0475-04	IQG1031-04 (OC2-MW27B-W-1-593)	Water
CQG0475-05	IQG1031-05 (OC2-MW27A-W-0-594)	Water

Reviewed By:

TestAmerica - Ontario, CA

John Stuart Styles
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
1014 E. Cooley Dr, Ste A, Colton, CA 92324 (909) 370-4667 Fax:(909) 370-1046

TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Attention: Trevor Brenner

Project ID: Omega Chemical OU-2 SSID-BC
IQG1031
Report Number: CQG0475

Sampled: 07/12/07
Received: 07/13/07

CDHS SRL 524 MODIFIED METHOD FOR 1,2,3-TRICHLOROPROPANE PT/GCMS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: CQG0475-01 (IQG1031-01 (OC2-MW27D-W-0-590) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1703	N/A	5.0	ND	1	07/17/07	07/17/07	
Sample ID: CQG0475-02 (IQG1031-02 (OC2-MW27C-W-0-591) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1703	N/A	5.0	ND	1	07/17/07	07/17/07	
Sample ID: CQG0475-03 (IQG1031-03 (OC2-MW27B-W-0-592) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1703	N/A	5.0	ND	1	07/17/07	07/17/07	
Sample ID: CQG0475-04 (IQG1031-04 (OC2-MW27B-W-1-593) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1703	N/A	5.0	ND	1	07/17/07	07/17/07	
Sample ID: CQG0475-05 (IQG1031-05 (OC2-MW27A-W-0-594) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1703	N/A	5.0	ND	1	07/17/07	07/17/07	

TestAmerica - Ontario, CA

John Stuart Styles
Project Manager

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TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Attention: Trevor Brenner

Project ID: Omega Chemical OU-2 SSID-BC
IQG1031
Report Number: CQG0475

Sampled: 07/12/07
Received: 07/13/07

METHOD BLANK/QC DATA

CDHS SRL 524 MODIFIED METHOD FOR 1,2,3-TRICHLOROPROPANE PT/GCMS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C7G1703 Extracted: 07/17/07											
Blank Analyzed: 07/17/2007 (C7G1703-BLK1)											
1,2,3-Trichloropropane (123-TCP)	ND	5.0	N/A	ng/L							
LCS Analyzed: 07/17/2007 (C7G1703-BS1)											
1,2,3-Trichloropropane (123-TCP)	4.92	5.0	N/A	ng/L	5.00		98	80-120			
Matrix Spike Analyzed: 07/17/2007 (C7G1703-MS1)						**Source: CQG0475-01**					
1,2,3-Trichloropropane (123-TCP)	45.7	5.0	N/A	ng/L	50.0	ND	91	52-135			
Matrix Spike Dup Analyzed: 07/17/2007 (C7G1703-MSD1)						**Source: CQG0475-01**					
1,2,3-Trichloropropane (123-TCP)	50.7	5.0	N/A	ng/L	50.0	ND	101	52-135	10	27	

TestAmerica - Ontario, CA

John Stuart Styles
Project Manager

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ANALYTICAL TESTING CORPORATION
1014 E. Cooley Dr, Ste A, Colton, CA 92324 (909) 370-4667 Fax:(909) 370-1046

TestAmerica - Irvine, CA 17461 Derian Avenue. Suite 100 Irvine, CA 92614 Attention: Trevor Brenner	Project ID: Omega Chemical OU-2 SSID-BC IQG1031 Report Number: CQG0475	Sampled: 07/12/07 Received: 07/13/07

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica - Ontario, CA

John Stuart Styles
Project Manager

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ANALYTICAL TESTING CORPORATION
1014 E. Cooley Dr, Ste A, Colton, CA 92324 (909) 370-4667 Fax:(909) 370-1046

TestAmerica - Irvine, CA	Project ID:	Omega Chemical OU-2 SSID-BC	
17461 Derian Avenue. Suite 100		IQG1031	Sampled: 07/12/07
Irvine, CA 92614	Report Number:	CQG0475	Received: 07/13/07
Attention: Trevor Brenner			

Certification Summary

TestAmerica - Ontario, CA

Method	Matrix	Nelac	California
SRL 524M-123TCP	Water		

TestAmerica - Ontario, CA

John Stuart Styles
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

IQG1031 / CQG0475
LEVEL IV DATA PACKAGE

SRL 524M-123 TCP
INITIAL CALIBRATION SUMMARY

1,2,3-Trichloropropane Initial Calibration Verification Checklist

Instrument: GCMS 39

Standard: 7060083 @ 0.25 ng/µL

Internal stds: 7060081 @ 0.25 ng/µL

Analyst: PM

Date: 7/11/07

Method: 123-TCP071107.M

Reviewed by: DA (Initials) 7-13-07 (Date)

Calibration Requirements

	Required RSD	Actual RSD	Initials
2) 1,2,3-Trichloropropane	< 20%	9.75	PM

		Criteria	Initials
Retention time o-Xylene (from most recent 524.2 calibration):	17.22		
Retention time 1,2,3-tcp-d5:	17.31		
Difference:	0.09	>0.08minutes	PM

		Meets Criteria	Initials	Date Analyzed	Date Due
Quality Control Sample (QCS):	Meets CCV criteria	Pass	PM	7/11/07	10/11/07

Response Factor Report GCMS39

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

Calibration File
5 =G11002.D 10 =G11003.D 20 =G11004.D 50 =G11005.D
100 =G11006.D 200 =G11007.D 500 =G11008.D = =

Compound	5	10	20	50	100	200	500	Avg	%RSD
1) I 1,2,3-TCP-d5 (IS)	ISTD								
2) CPM 1,2,3-Trichloropropane	1.024	0.990	0.762	0.900	0.939	0.871	0.853	0.906	9.75

(#) = Out of Range

123-TCP071107.M Thu Jul 12 16:39:48 2007

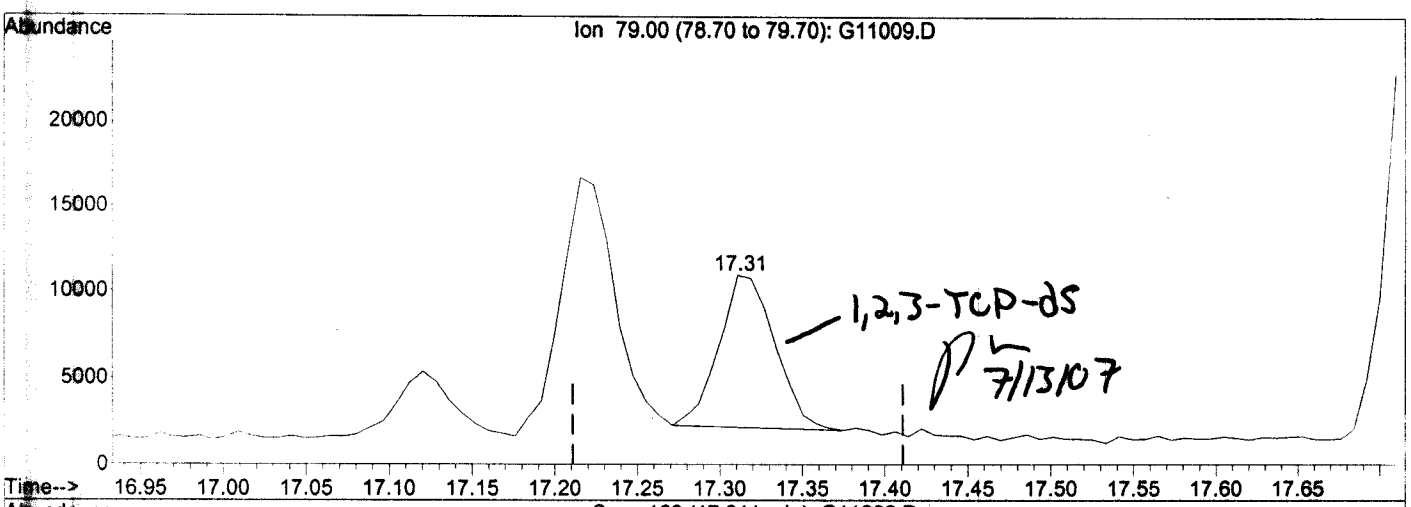
Quantitation Report (Qedit)

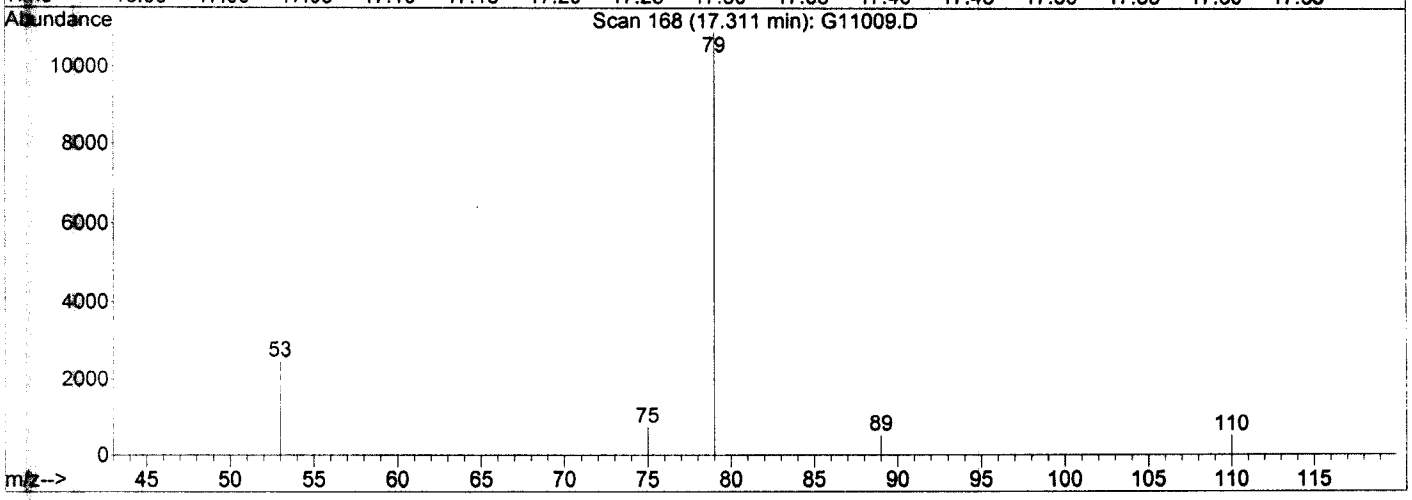
Data File : C:\DATA\07JUL11\G11009.D
Acq On : 11 Jul 2007 6:55 pm
Sample : Xylene RT
Misc : 25mL w/ #7070019
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:40 2007

Vial: 9
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Multiple Level Calibration





TIC: G11009.D

(1) 1,2,3-TCP-d5 (IS) (I)

17.31min 50.00ng/L

response 20461

Ion	Exp%	Act%
79.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

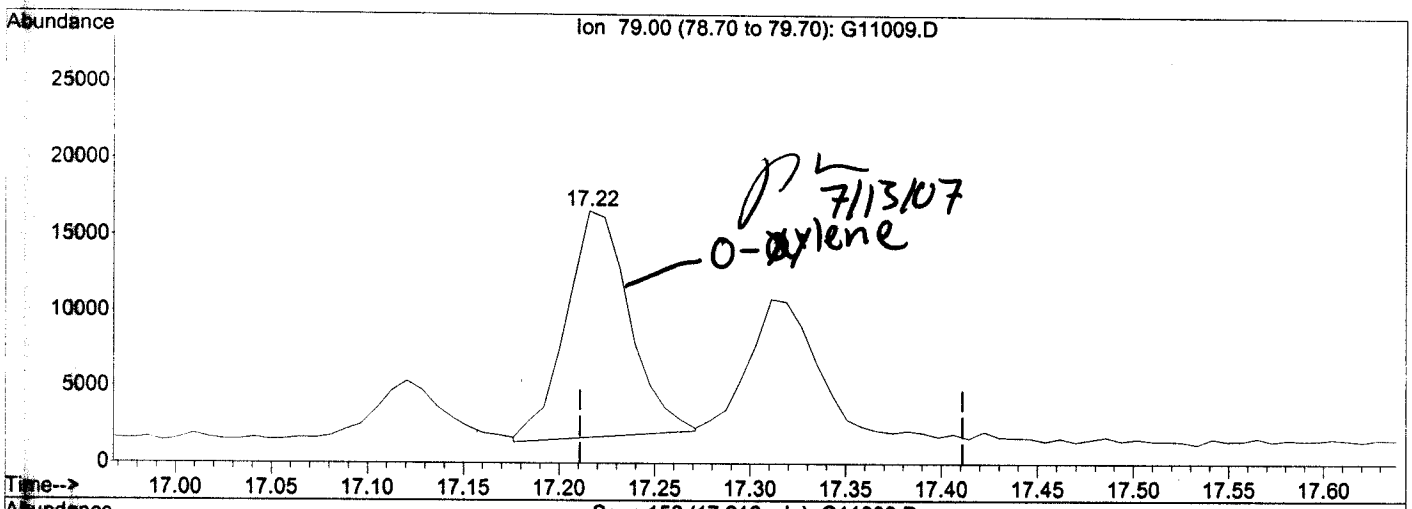
Quantitation Report (Qedit)

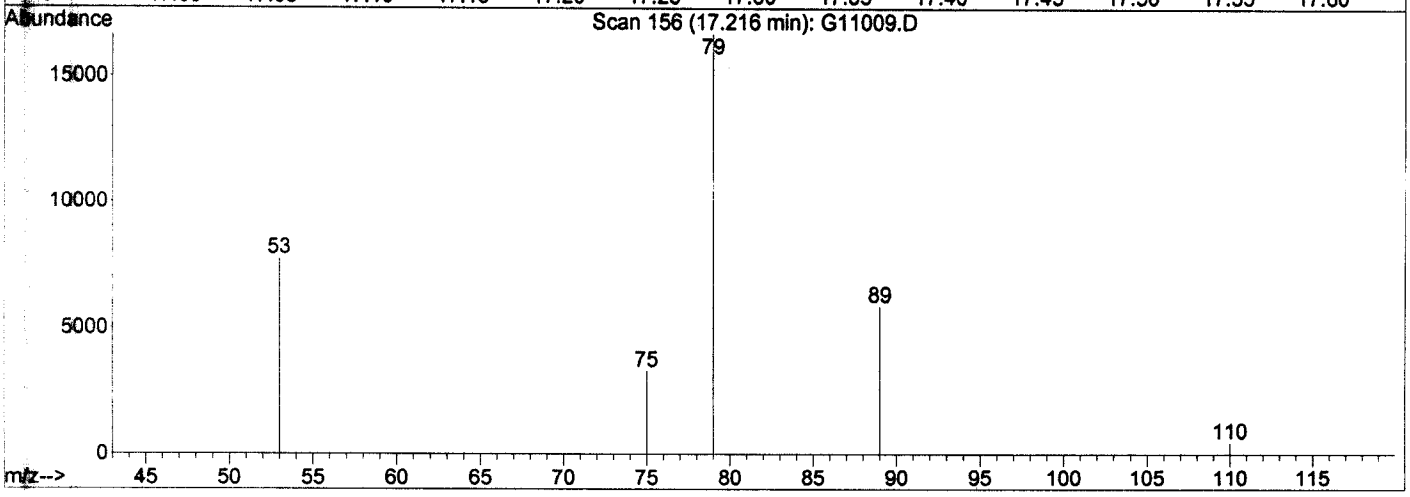
Data File : C:\DATA\07JUL11\G11009.D
Acq On : 11 Jul 2007 6:55 pm
Sample : Xylene RT
Misc : 25mL w/ #7070019
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:40 2007

Vial: 9
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Multiple Level Calibration





TIC: G11009.D

(1) 1,2,3-TCP-d5 (IS) (I)

17.22min 50.00ng/L m

response 34627

Ion	Exp%	Act%
79.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1,2,3-Trichloropropane by GC/MS Calibration Verification Check

7/13/07

File:	G11011.D	**Instrument:**	GCMS39
Operator:	PM		
Date:	11 Jul 2007 8:00 pm	**QC BATCH # :**	CCV - Second Source

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	44.22	88.4	80-120

* Denotes values out of expected range

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL11\G11011.D Vial: 11
Acq On : 11 Jul 2007 8:00 pm Operator: PM
Sample : CCV - Second Source Inst : GCMS39
Misc : 25mL w/ QCS #7060085 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,2,3-TCP-d5 (IS)	1.000	1.000	0.0	105	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.801	11.6	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11011.D
Acq On : 11 Jul 2007 8:00 pm
Sample : CCV - Second Source
Misc : 25mL w/ QCS #7060085
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:27 2007

Vial: 11
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	21224	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	16997	44.22 ng/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

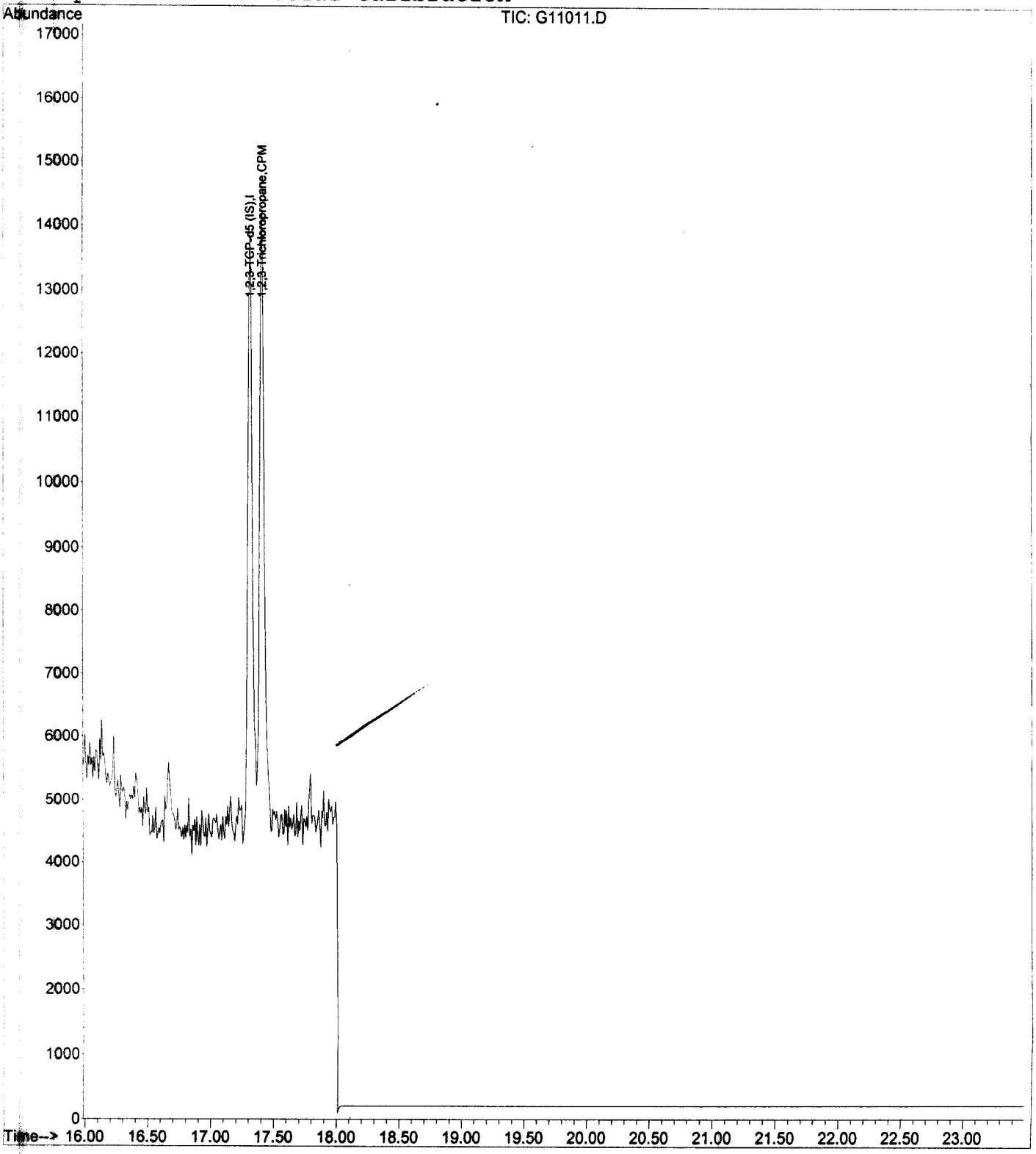
Quantitation Report (Not Reviewed)

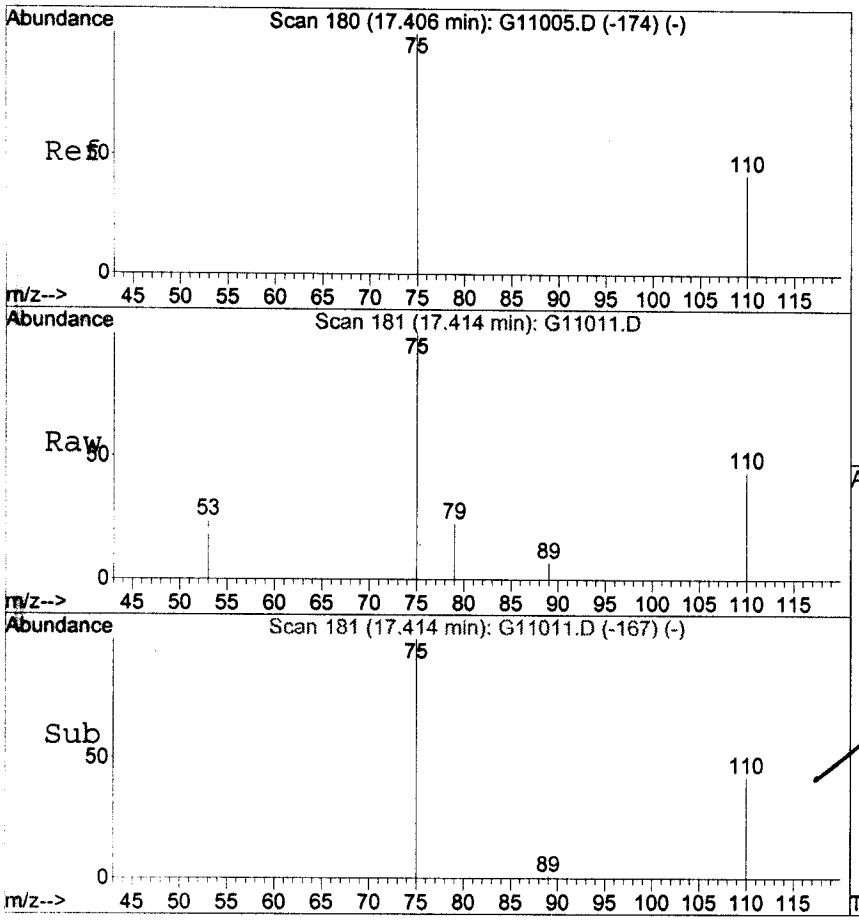
Data File : C:\DATA\07JUL11\G11011.D
Acq On : 11 Jul 2007 8:00 pm
Sample : CCV - Second Source
Misc : 25mL w/ QCS #7060085
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 11
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

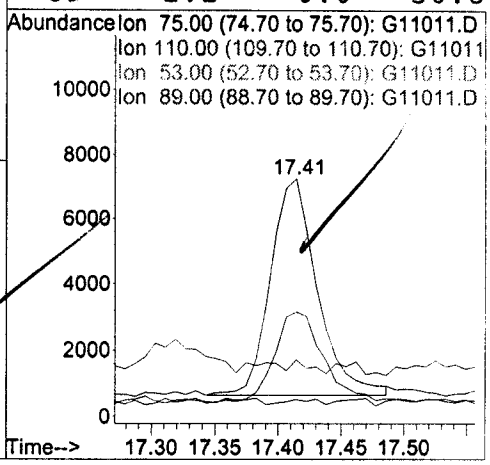




#2
1,2,3-Trichloropropane
Concen: 44.22 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11011.D
Acq: 11 Jul 2007 8:00 pm

Tgt Ion: 75 Resp: 16997

Ion	Ratio	Lower	Upper
75	100		
110	41.5	11.2	71.2
53	1.7	0.0	30.0
89	1.1	0.0	30.8



IQG1031 / CQG0475
LEVEL IV DATA PACKAGE

SRL 524M-123 TCP
INITIAL CALIBRATION RAW DATA

Injection Log

Directory: C:\DATA\07JUL11

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	G11001.d	1.	Blank	25mL w/ #7060081	11 Jul 2007 14:34
2	2	G11002.d	1.	5ppt #7060083	25mL Initial Cal	11 Jul 2007 15:07
3	3	G11003.d	1.	10ppt #7060083	25mL Initial Cal	11 Jul 2007 15:39
4	4	G11004.d	1.	20ppt #7060083	25mL Initial Cal	11 Jul 2007 16:12
5	5	G11005.d	1.	50ppt #7060083	25mL Initial Cal	11 Jul 2007 16:44
6	6	G11006.d	1.	100ppt #7060083	25mL Initial Cal	11 Jul 2007 17:17
7	7	G11007.d	1.	200ppt #7060083	25mL Initial Cal	11 Jul 2007 17:50
8	8	G11008.d	1.	500ppt #7060083	25mL Initial Cal	11 Jul 2007 18:22
9	9	G11009.d	1.	Xylene RT	25mL w/ #7070019	11 Jul 2007 18:55
10	10	G11010.d	1.	Rinse	25mL	11 Jul 2007 19:27
11	11	G11011.d	1.	CCV - Second Source	25mL w/ QCS #7060085	11 Jul 2007 20:00

Mint Miner 2.02 (70108) Directory Scan: x:\07JUL11

13 Jul 2007 15:11

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL11\G11001.D					
Original Path: C:\DATA\07JUL11\G11001.D					
0	Scanned		PM	GCMS39	Blank (25mL w/ #7060081)
Scan File Path: x:\07JUL11\G11002.D					
Original Path: C:\DATA\07JUL11\G11002.D					
5	Scanned	QD(1)	PM	GCMS39	5ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11003.D					
Original Path: C:\DATA\07JUL11\G11003.D					
0	Scanned		PM	GCMS39	10ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11004.D					
Original Path: C:\DATA\07JUL11\G11004.D					
0	Scanned		PM	GCMS39	20ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11005.D					
Original Path: C:\DATA\07JUL11\G11005.D					
5	Scanned	QD(1)	PM	GCMS39	50ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11006.D					
Original Path: C:\DATA\07JUL11\G11006.D					
0	Scanned		PM	GCMS39	100ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11007.D					
Original Path: C:\DATA\07JUL11\G11007.D					
0	Scanned		PM	GCMS39	200ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11008.D					
Original Path: C:\DATA\07JUL11\G11008.D					
0	Scanned		PM	GCMS39	500ppt #7060083 (25mL Initial Cal)
Scan File Path: x:\07JUL11\G11009.D					
Original Path: C:\DATA\07JUL11\G11009.D					
0	Scanned		PM	GCMS39	Xylene RT (25mL w/ #7070019)
Scan File Path: x:\07JUL11\G11010.D					
Original Path: x:\07JUL11\G11010.D					
0	No Audit				
Scan File Path: x:\07JUL11\G11011.D					
Original Path: C:\DATA\07JUL11\G11011.D					
5	Scanned	QD(1)	PM	GCMS39	CCV - Second Source (25mL w/ QCS #7060085

QD = Method Last Update date after Quantitation date

No Time Travel computer error 7-13-07

Level	Status	Code	Operator	Instrument	Sample ID

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11001.D
Acq On : 11 Jul 2007 2:34 pm
Sample : Blank
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:13 2007

Vial: 1
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	16854	50.00 ng/L	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

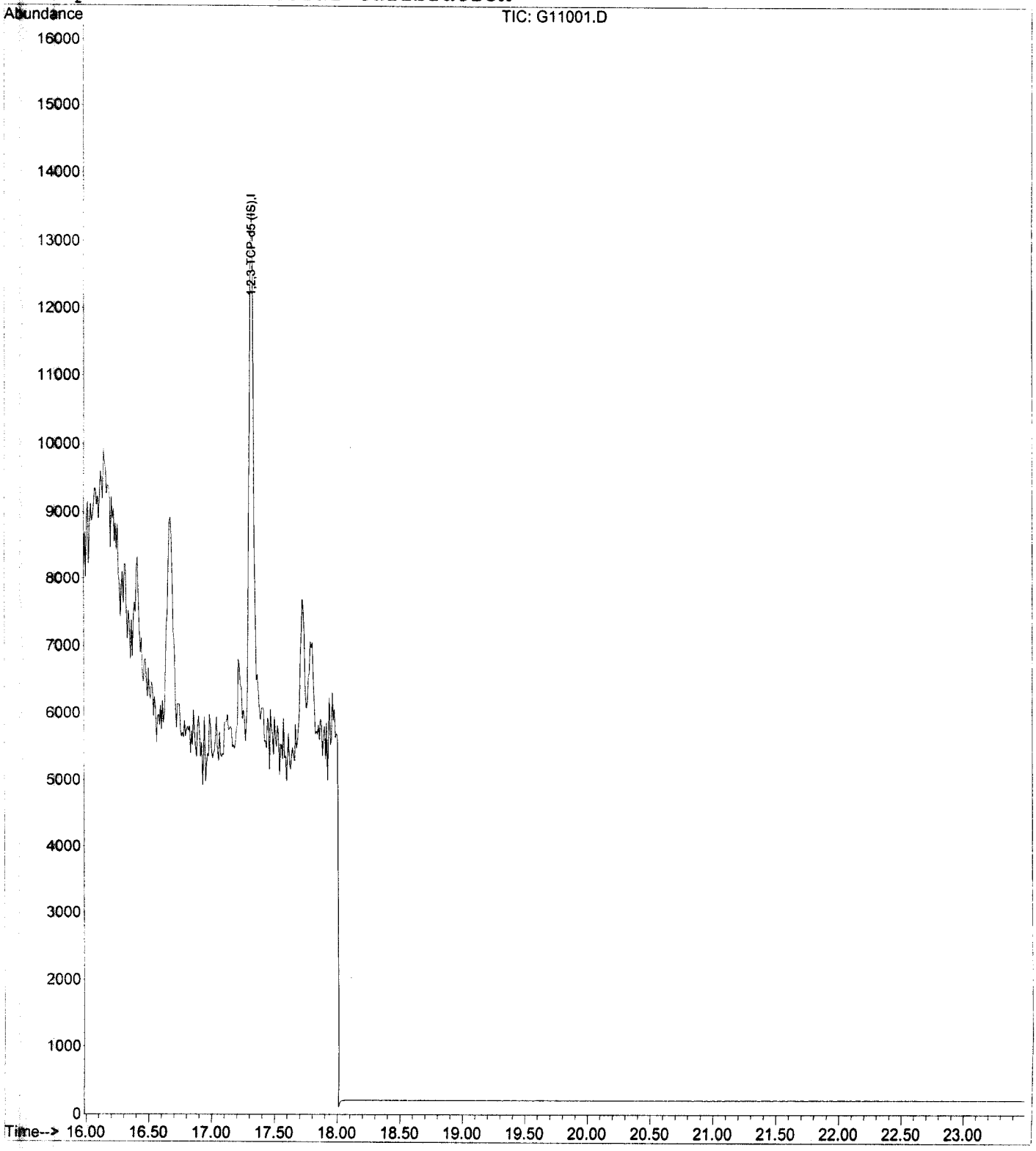
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11001.D
Acq On : 11 Jul 2007 2:34 pm
Sample : Blank
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 1
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11002.D
Acq On : 11 Jul 2007 3:07 pm
Sample : 5ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:14 2007

Vial: 2
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	17996	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1842	5.65 ng/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

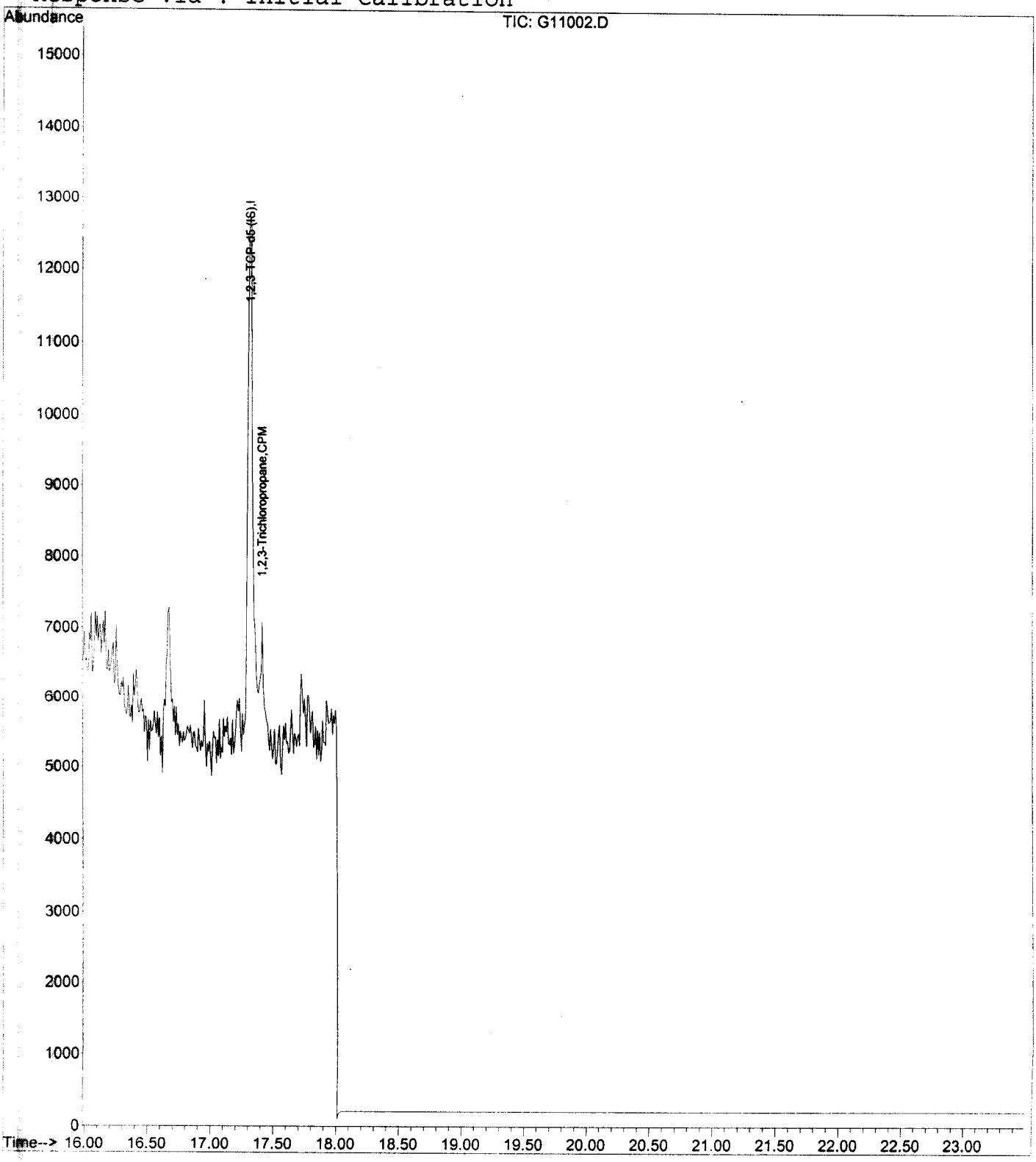
Quantitation Report (Not Reviewed)

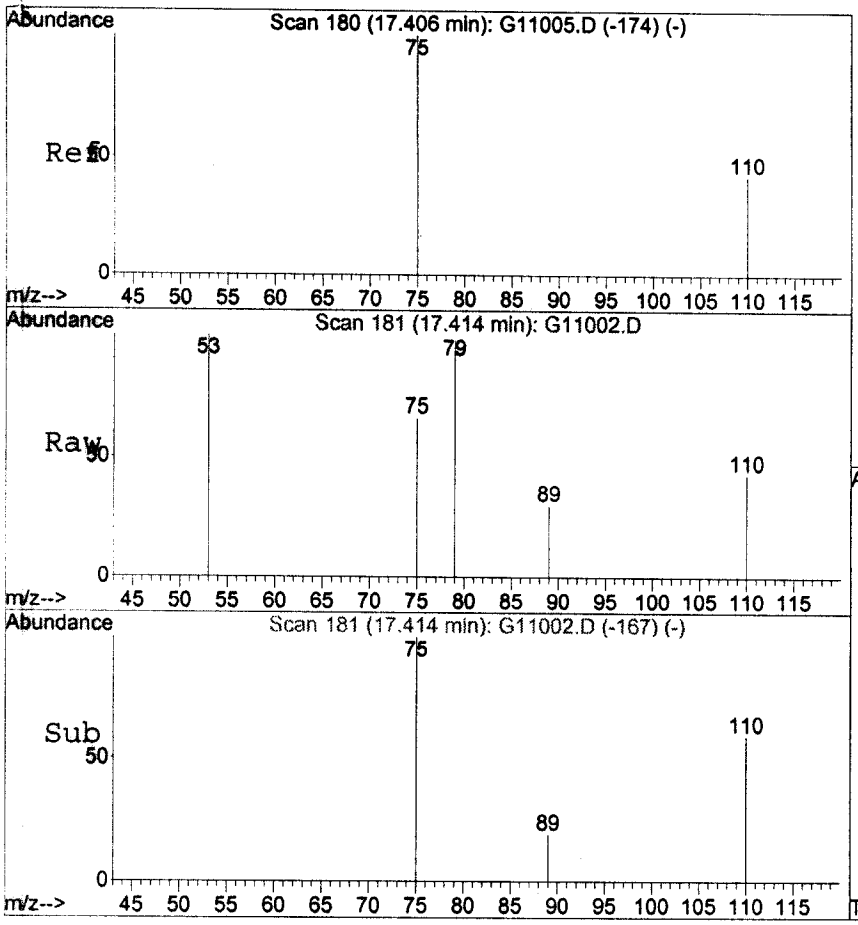
Data File : C:\DATA\07JUL11\G11002.D
Acq On : 11 Jul 2007 3:07 pm
Sample : 5ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 2
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

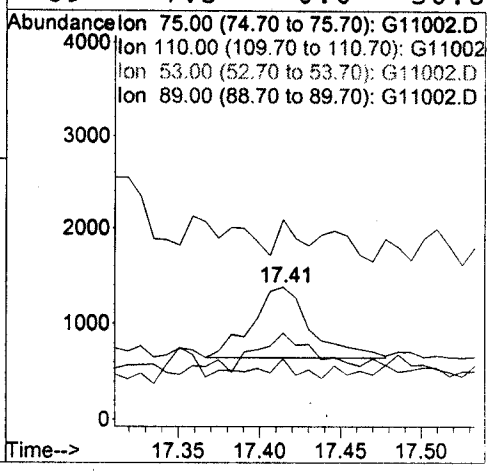




#2
1,2,3-Trichloropropane
Concen: 5.65 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11002.D
Acq: 11 Jul 2007 3:07 pm

Tgt Ion: 75 Resp: 1842

Ion	Ratio	Lower	Upper
75	100		
110	48.5	11.2	71.2
53	13.2	0.0	30.0
89	7.3	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11003.D
Acq On : 11 Jul 2007 3:39 pm
Sample : 10ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:16 2007

Vial: 3
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	16353	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	3239	10.94 ng/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

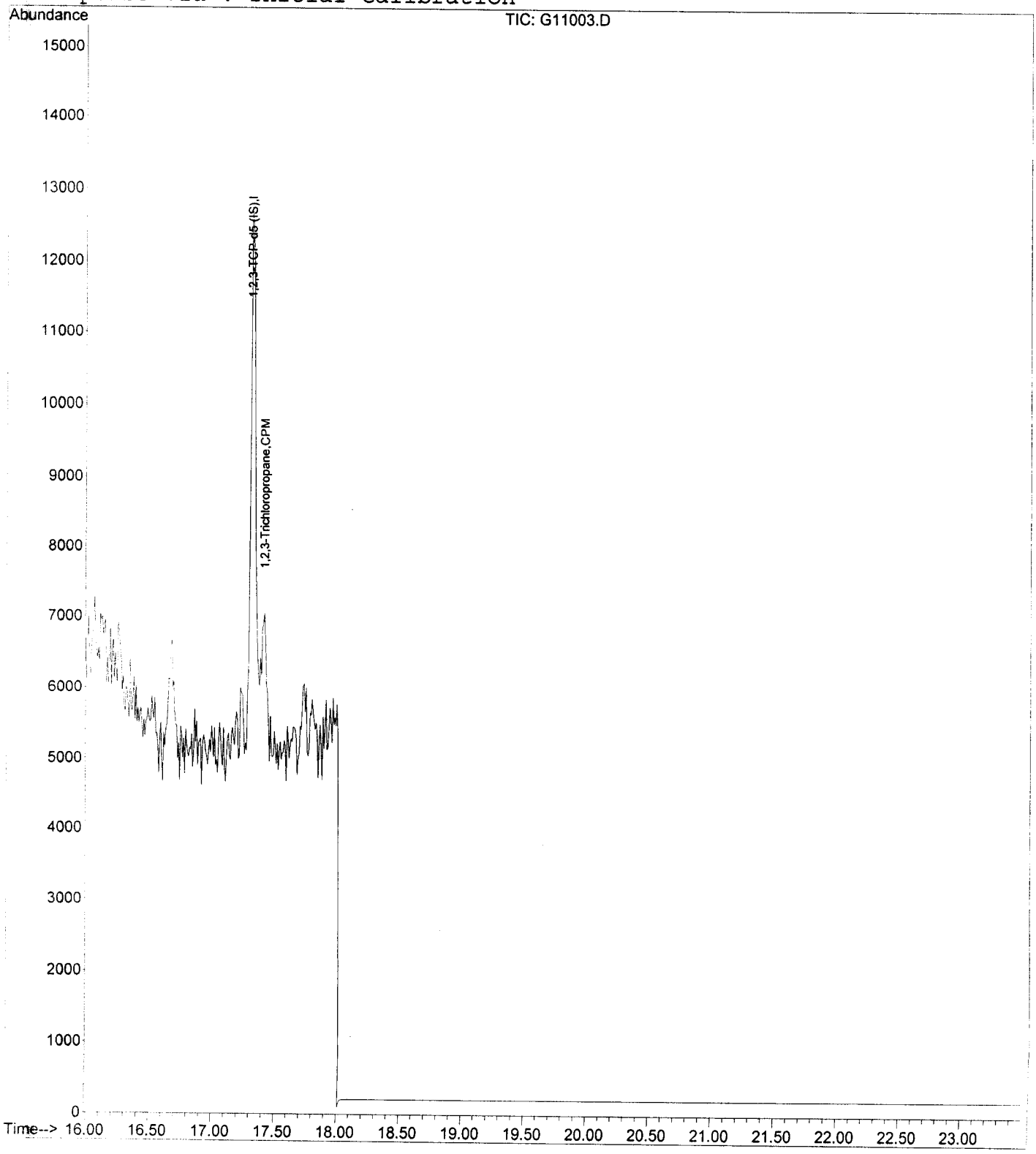
Quantitation Report (Not Reviewed)

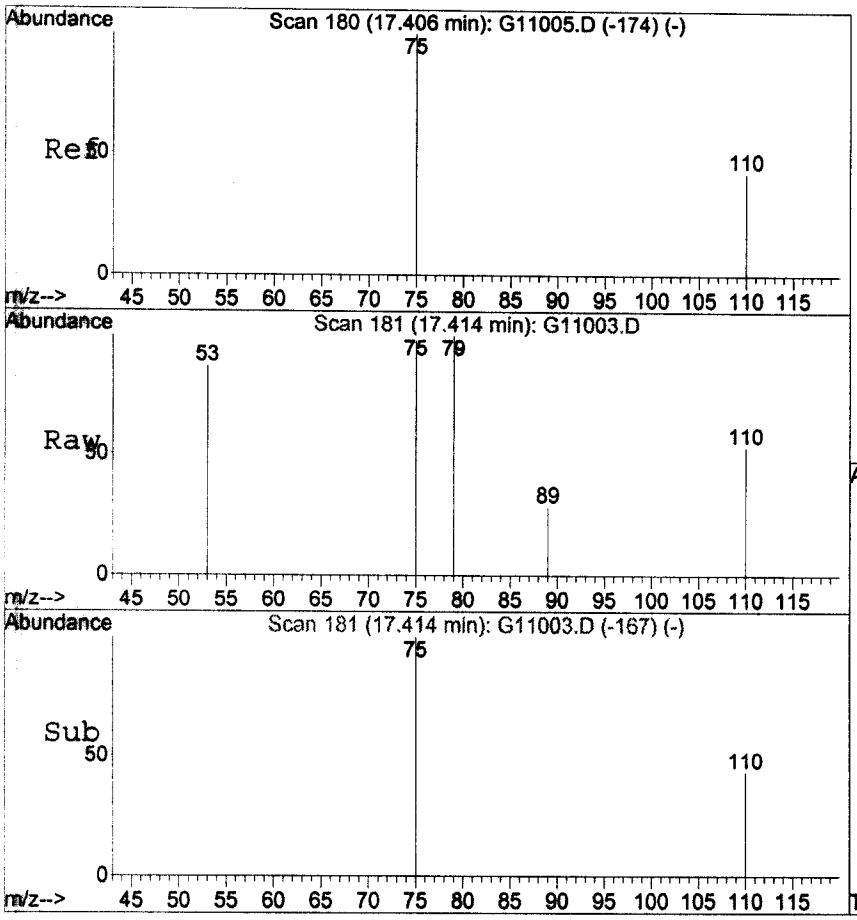
Data File : C:\DATA\07JUL11\G11003.D
Acq On : 11 Jul 2007 3:39 pm
Sample : 10ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 3
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

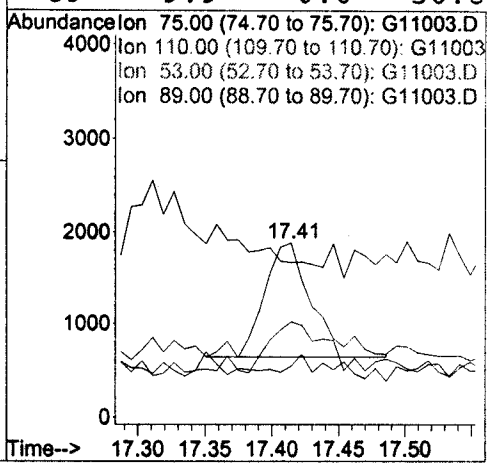




#2
1,2,3-Trichloropropane
Concen: 10.94 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11003.D
Acq: 11 Jul 2007 3:39 pm

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
110	46.9	11.2	71.2
53	3.8	0.0	30.0
89	9.9	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11004.D
Acq On : 11 Jul 2007 4:12 pm
Sample : 20ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:18 2007

Vial: 4
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	18685	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	5698	16.84 ng/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

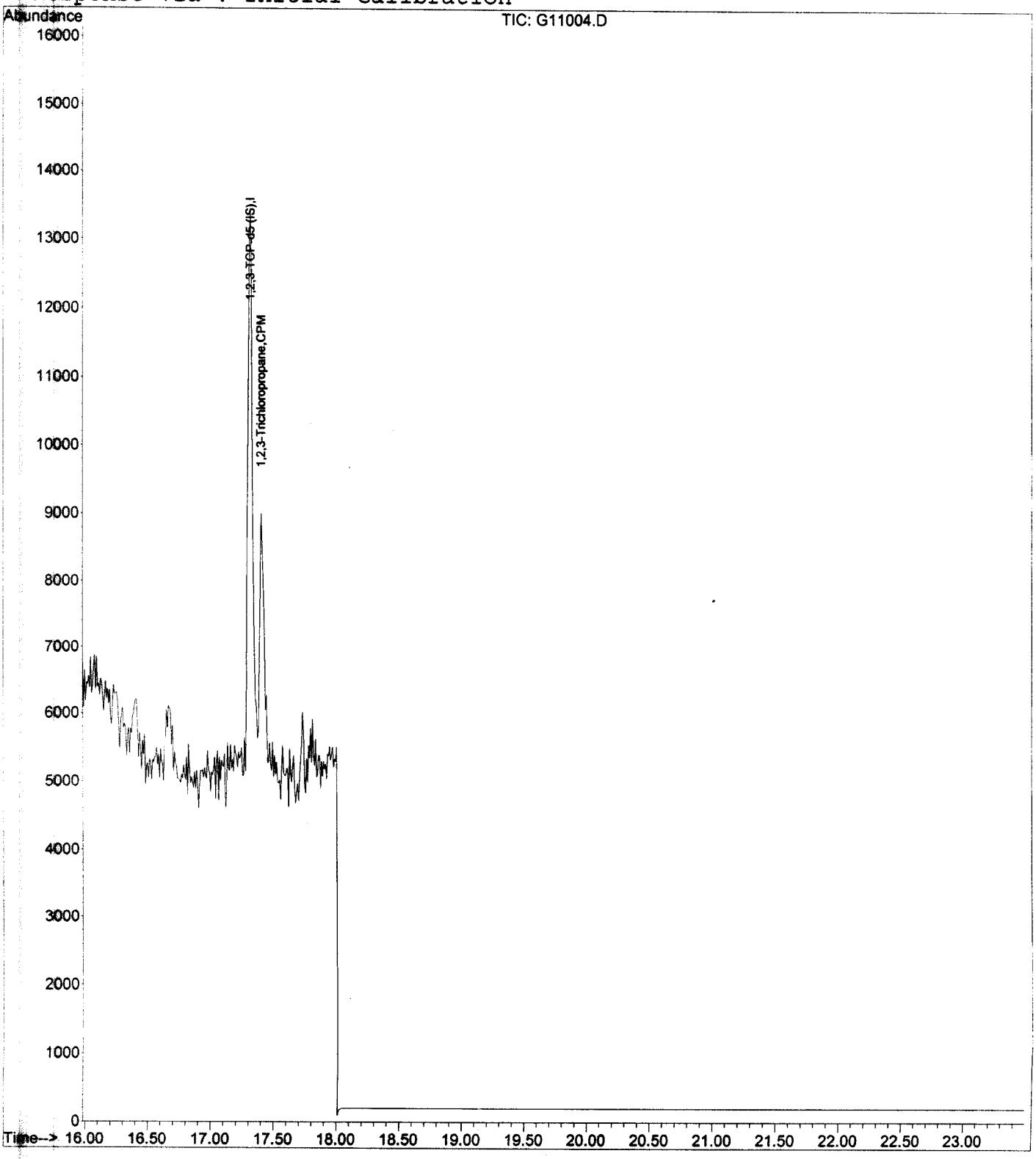
Quantitation Report (Not Reviewed)

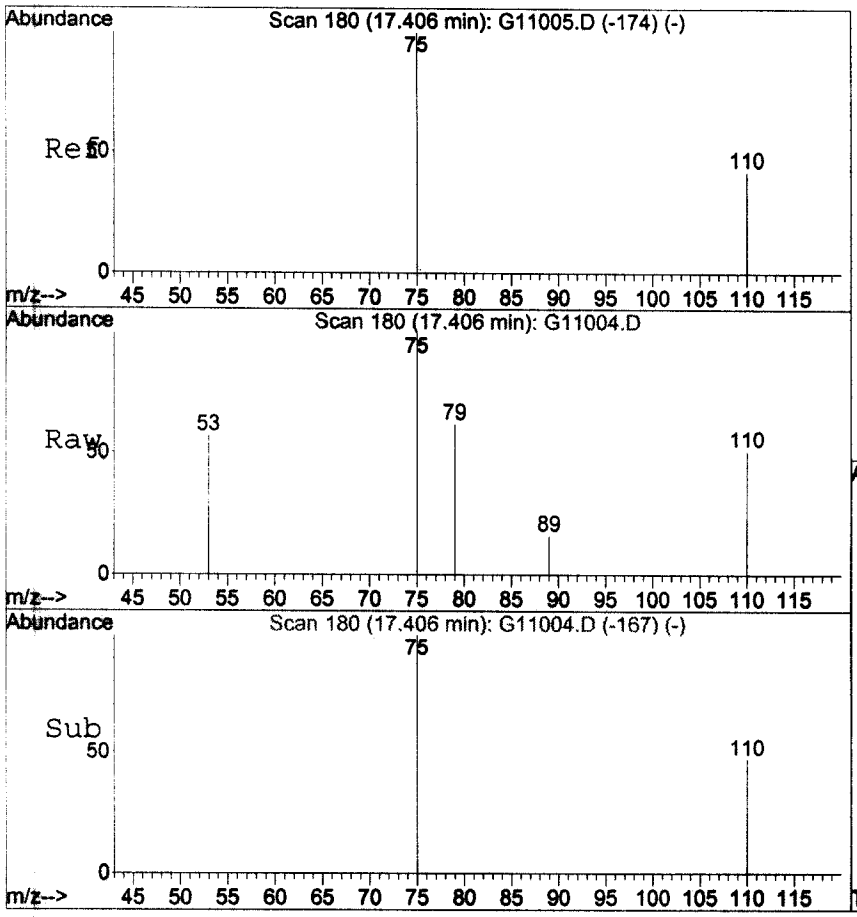
Data File : C:\DATA\07JUL11\G11004.D
Acq On : 11 Jul 2007 4:12 pm
Sample : 20ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 4
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

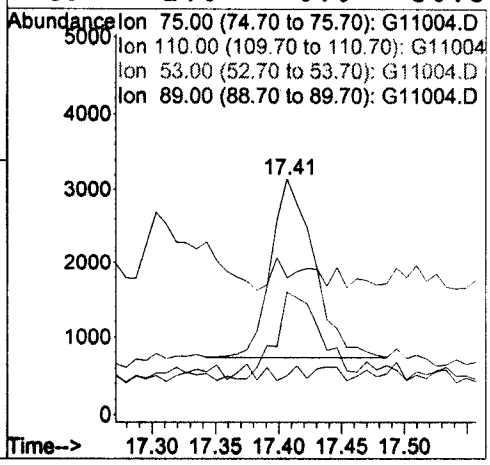




#2
1,2,3-Trichloropropane
Concen: 16.84 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11004.D
Acq: 11 Jul 2007 4:12 pm

Tgt Ion: 75 Resp: 5698

Ion	Ratio	Lower	Upper
75	100		
110	44.9	11.2	71.2
53	3.6	0.0	30.0
89	2.0	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11005.D
Acq On : 11 Jul 2007 4:44 pm
Sample : 50ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:20 2007

Vial: 5
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.31	79	20175	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	18153	49.68 ng/L #	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

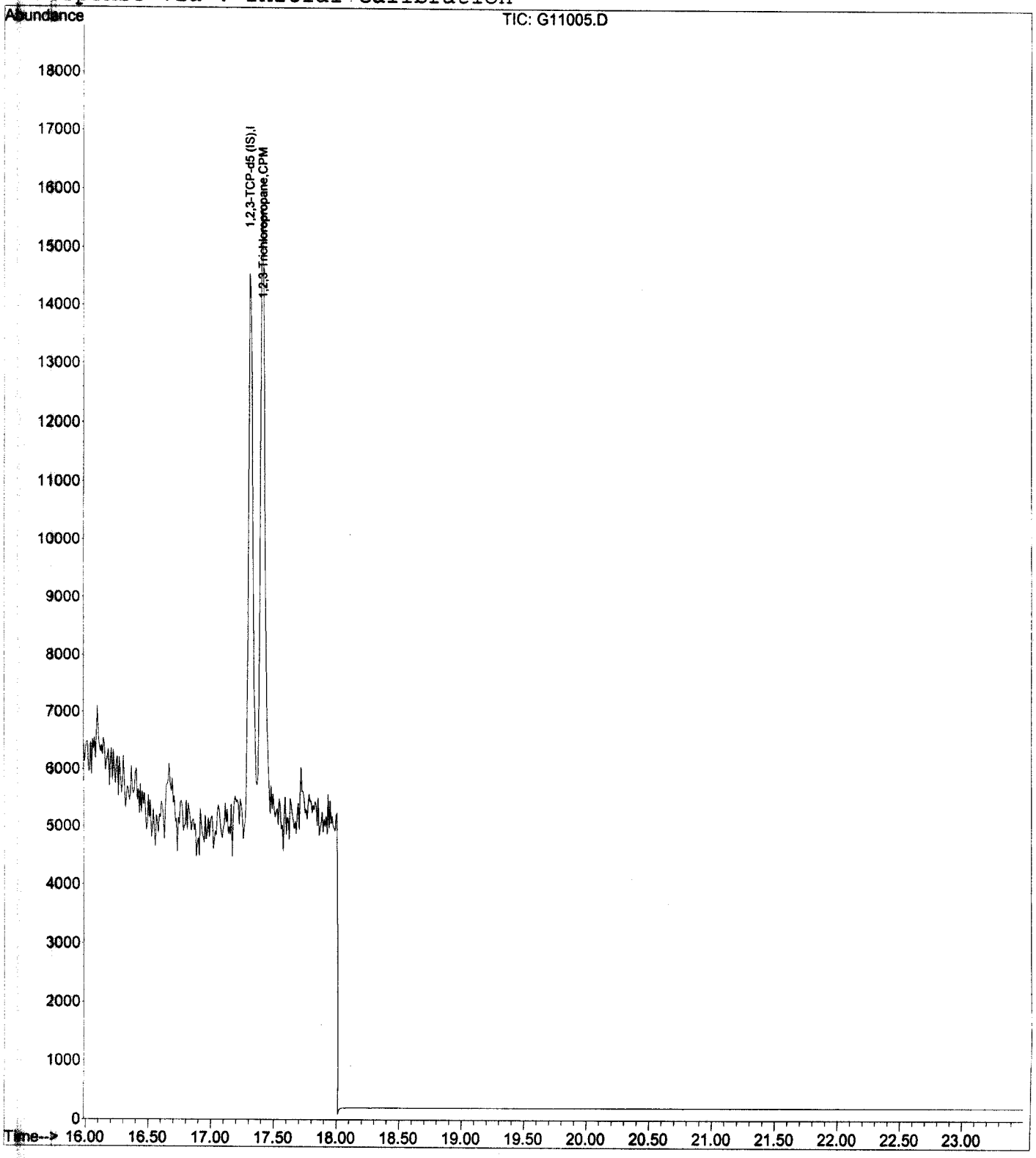
Quantitation Report (Not Reviewed)

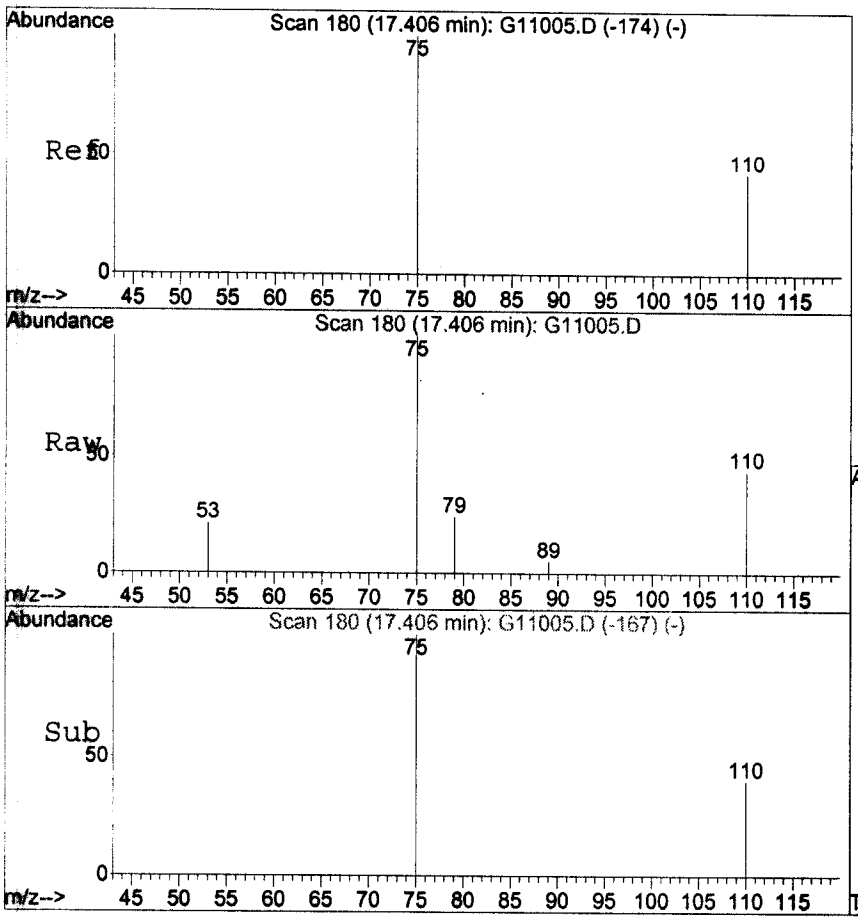
Data File : C:\DATA\07JUL11\G11005.D
Acq On : 11 Jul 2007 4:44 pm
Sample : 50ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 5
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

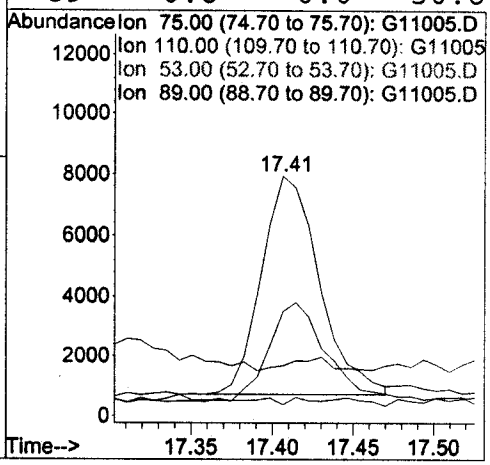




#2
1,2,3-Trichloropropane
Concen: 49.68 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11005.D
Acq: 11 Jul 2007 4:44 pm

Tgt Ion: 75 Resp: 18153

Ion	Ratio	Lower	Upper
75	100		
110	42.8	11.2	71.2
53	0.0	0.0	30.0
89	0.8	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11006.D
Acq On : 11 Jul 2007 5:17 pm
Sample : 100ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:23 2007

Vial: 6
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	20782	50.00 ng/L	0.00

Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	39027	103.69 ng/L	99

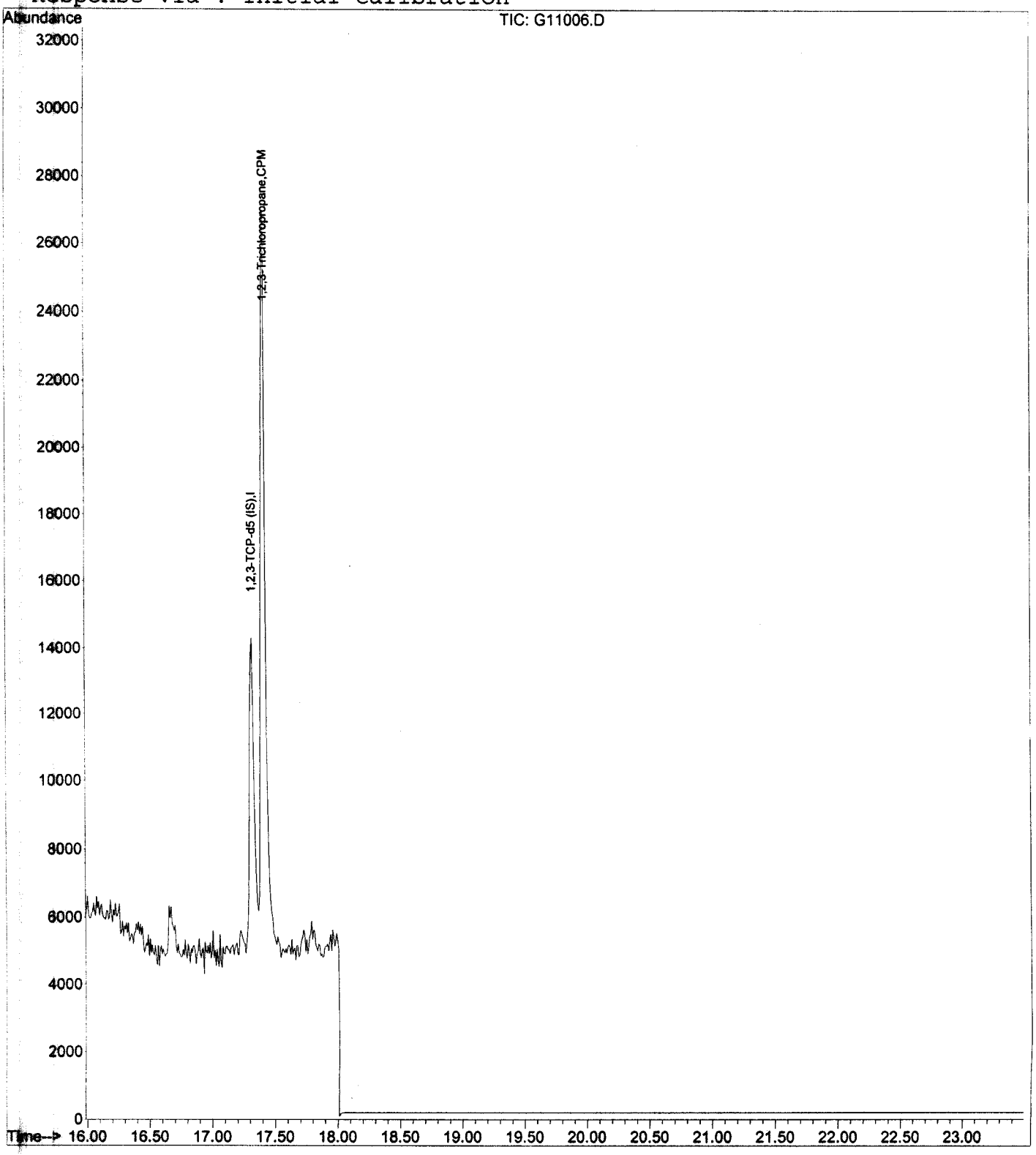
(#) = qualifier out of range (m) = manual integration (+) = signals summed

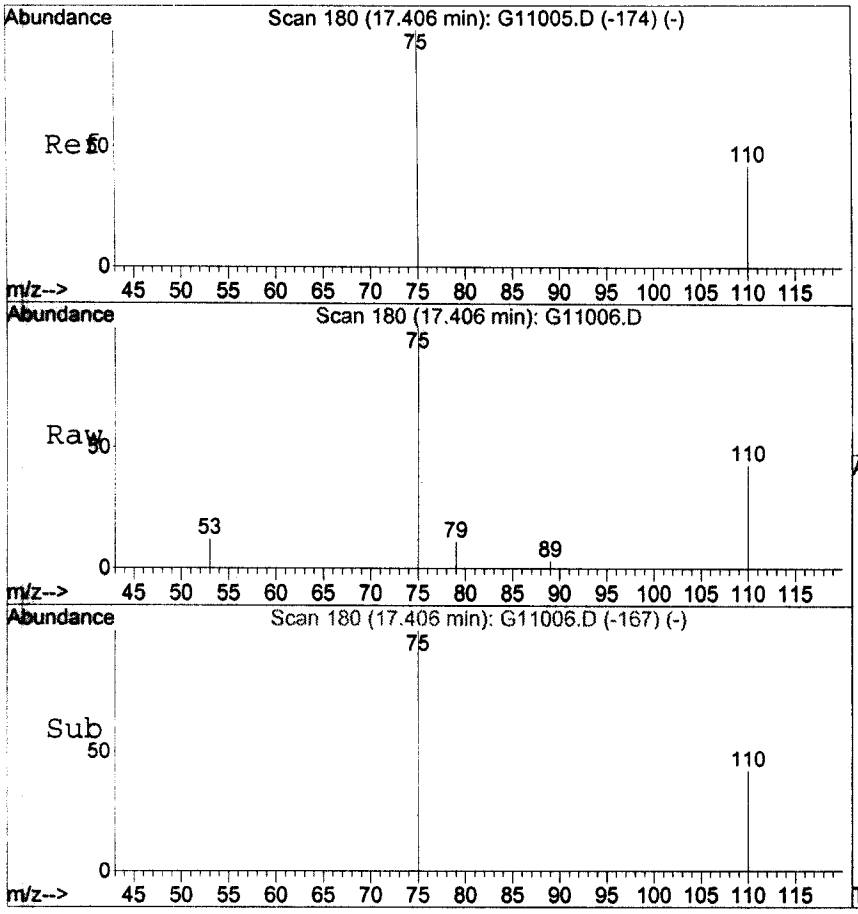
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11006.D
Acq On : 11 Jul 2007 5:17 pm
Sample : 100ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 6
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

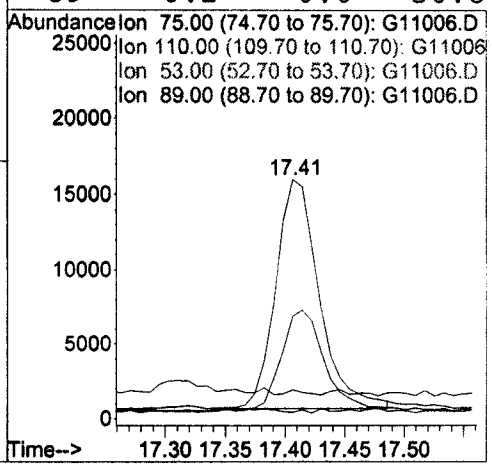




#2
1,2,3-Trichloropropane
Concen: 103.69 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G11006.D
Acq: 11 Jul 2007 5:17 pm

Tgt Ion: 75 Resp: 39027

Ion	Ratio	Lower	Upper
75	100		
110	41.5	11.2	71.2
53	0.5	0.0	30.0
89	0.2	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11007.D
Acq On : 11 Jul 2007 5:50 pm
Sample : 200ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:25 2007

Vial: 7
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	22449	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	78205	192.36 ng/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

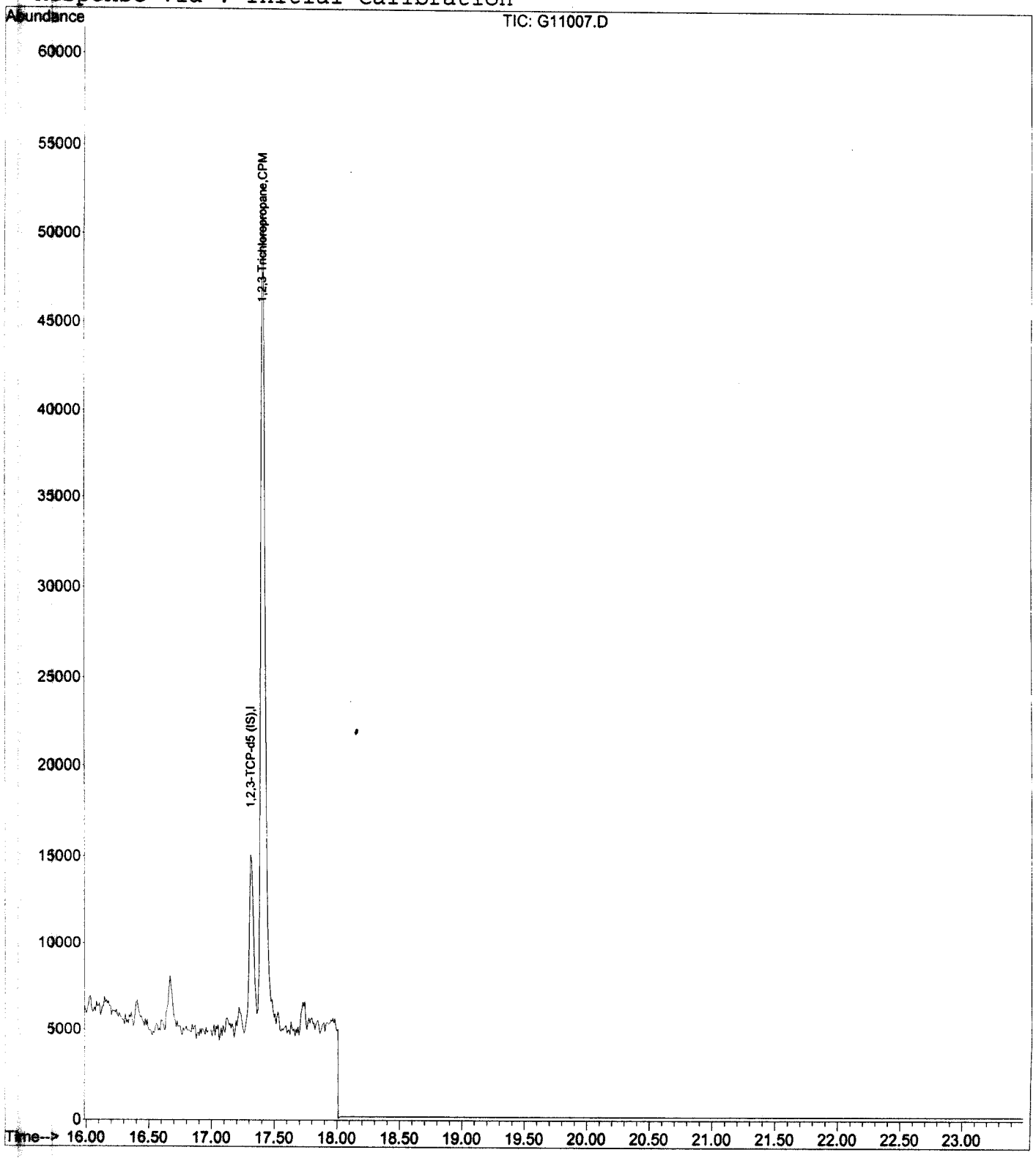
Quantitation Report (Not Reviewed)

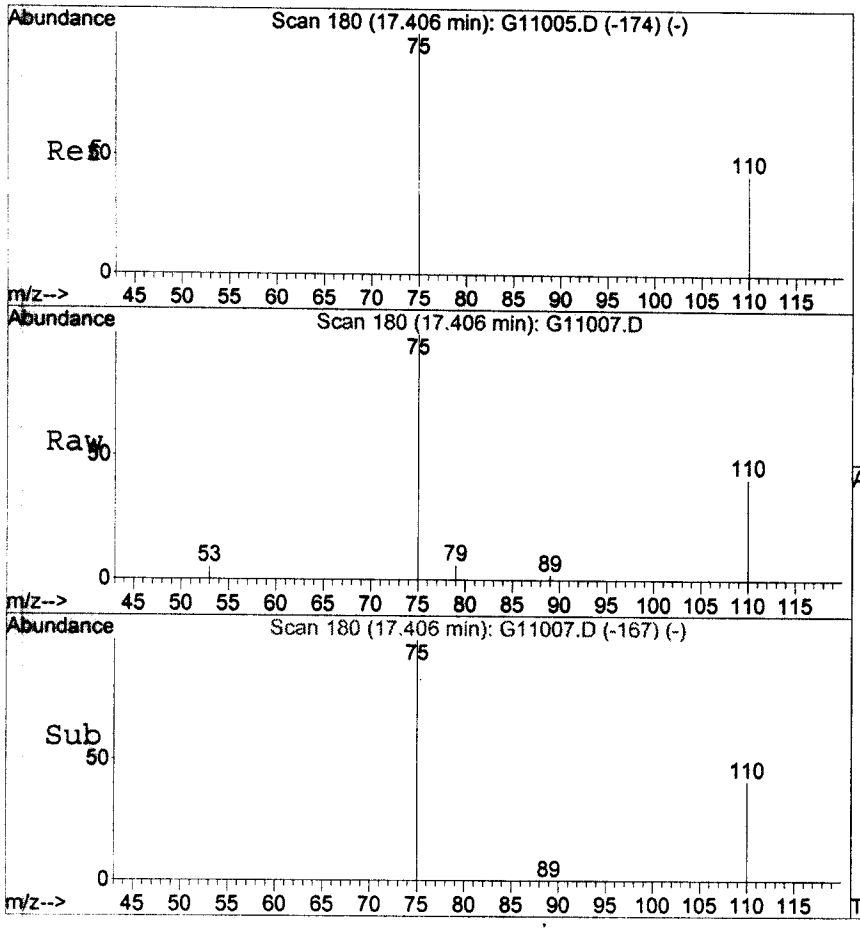
Data File : C:\DATA\07JUL11\G11007.D
Acq On : 11 Jul 2007 5:50 pm
Sample : 200ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 7
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

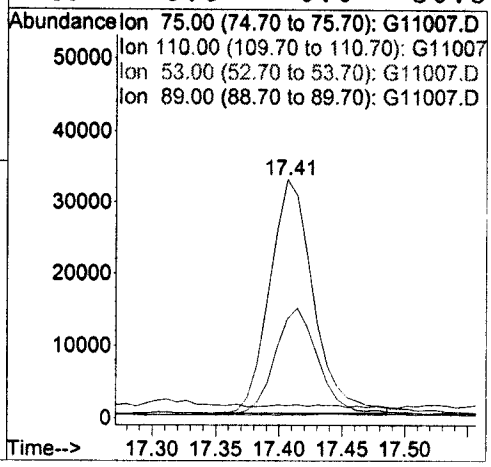




#2
1,2,3-Trichloropropane
Concen: 192.36 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G11007.D
Acq: 11 Jul 2007 5:50 pm

Tgt Ion: 75 Resp: 78205

Ion	Ratio	Lower	Upper
75	100		
110	43.2	11.2	71.2
53	0.4	0.0	30.0
89	0.6	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL11\G11008.D
Acq On : 11 Jul 2007 6:22 pm
Sample : 500ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35:27 2007

Vial: 8
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.31	79	26639	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	227168	470.87 ng/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

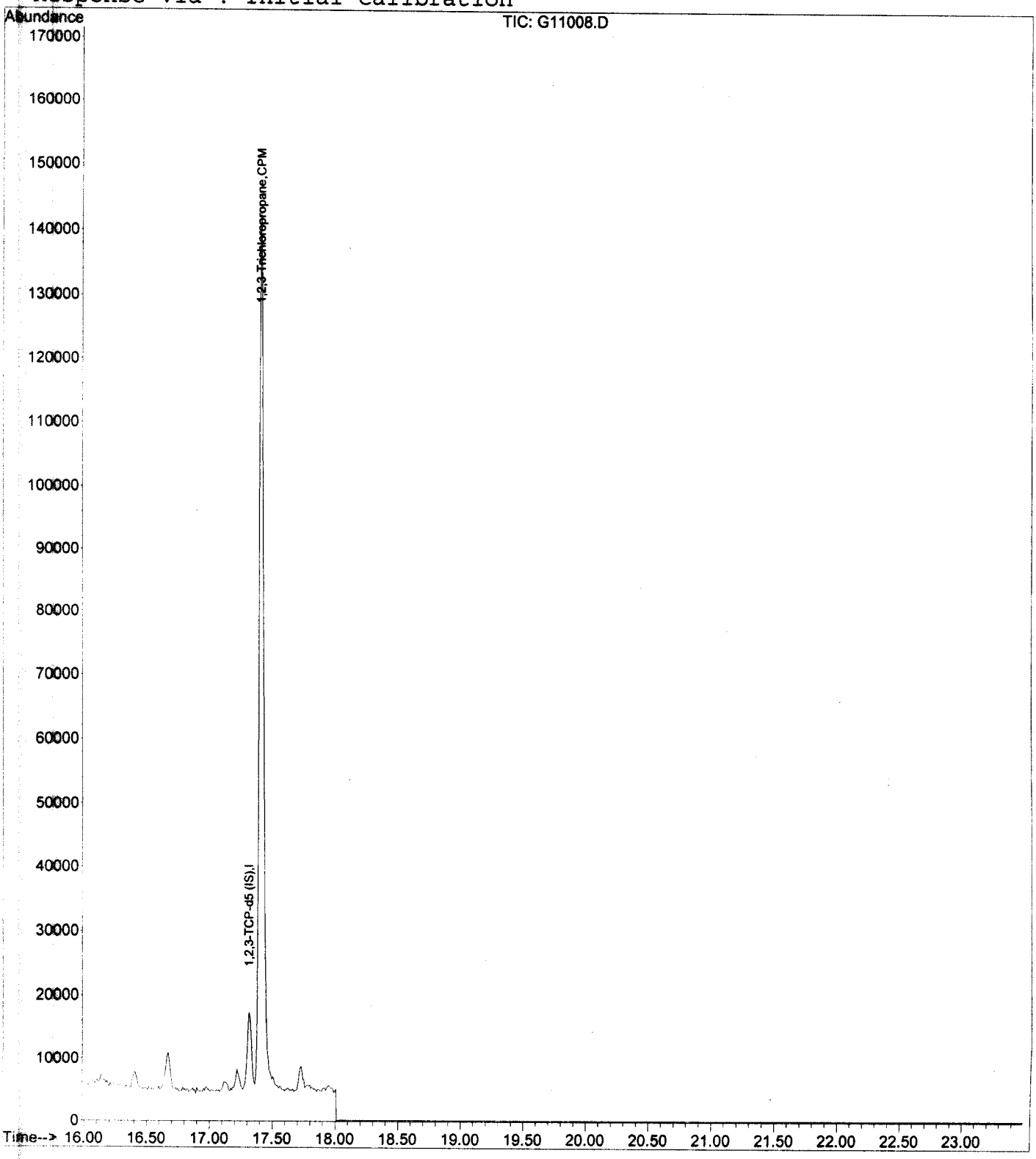
Quantitation Report (Not Reviewed)

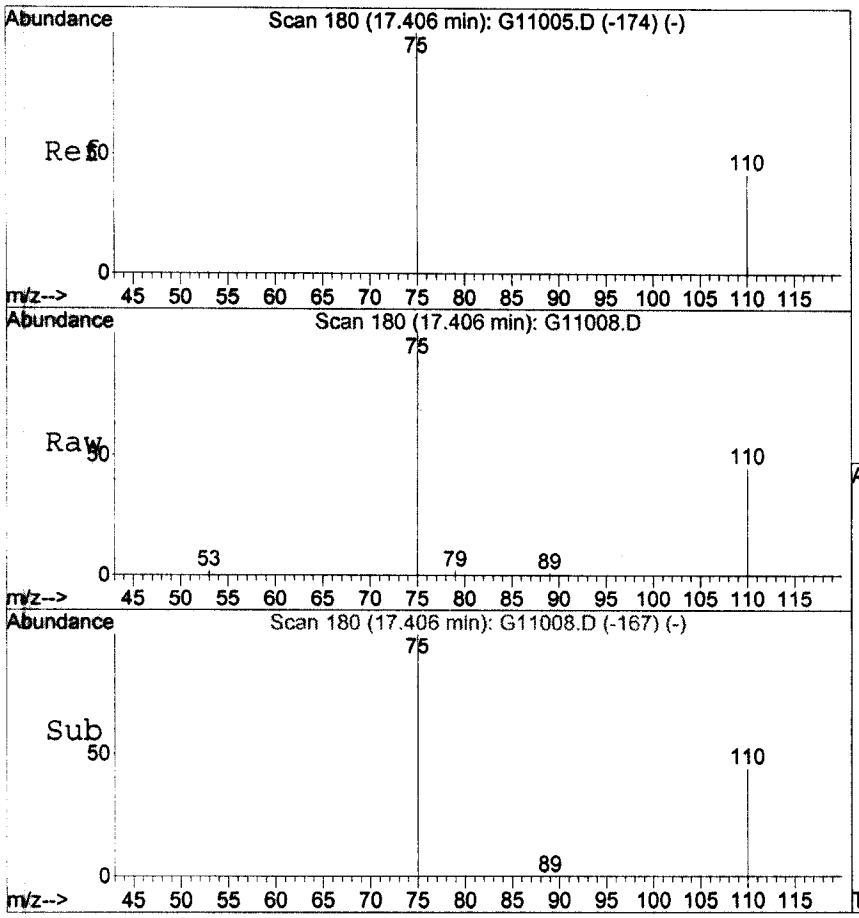
Data File : C:\DATA\07JUL11\G11008.D
Acq On : 11 Jul 2007 6:22 pm
Sample : 500ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

Vial: 8
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 16:34:52 2007
Response via : Initial Calibration

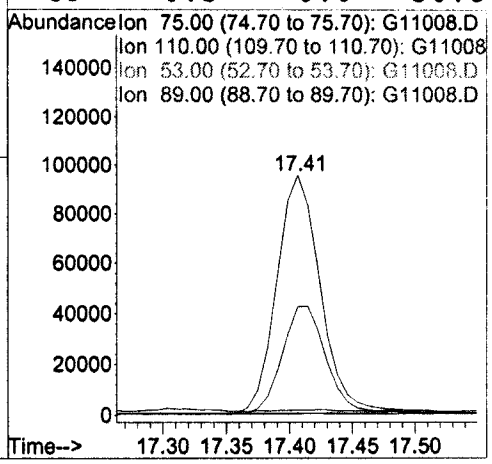




#2
1,2,3-Trichloropropane
Concen: 470.87 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11008.D
Acq: 11 Jul 2007 6:22 pm

Tgt Ion: 75 Resp: 227168

Ion	Ratio	Lower	Upper
75	100		
110	43.7	11.2	71.2
53	1.1	0.0	30.0
89	0.3	0.0	30.8



TOPLEVEL PARAMETERS

Method Information For: C:\MSDCHEM\1\METHODS\123-TCP071107.M

Method Sections To Run:

( ) Save Copy of Method With Data
( ) Pre-Run Cmd/Macro =
(X) Data Acquisition
(X) Data Analysis
( ) Post-Run Cmd/Macro =

Method Comments:
This is the DHS method for 1,2,3-TCP

END OF TOPLEVEL PARAMETERS

INSTRUMENT CONTROL PARAMETERS

Sample Inlet: GC
Injection Source: Manual
Injection Location: Front
Mass Spectrometer: Enabled

6890 GC METHOD

OVEN
Initial temp: 40 'C (On)
Maximum temp: 350 'C
Initial time: 3.00 min
Equilibration time: 0.00 min
Ramps:

#	Rate	Final temp	Final time
1	12.00	70	1.00
2	10.00	190	0.00
3	25.00	230	3.40
4	0.0(Off)		

Post temp: 70 'C
Post time: 0.00 min
Run time: 23.50 min

FRONT INLET (UNKNOWN)
Mode: Split
Initial temp: 200 'C (On)
Pressure: 19.11 psi (On)
Split ratio: 13:1
Split flow: 15.1 mL/min
Total flow: 18.7 mL/min
Gas saver: Off
Gas type: Helium

BACK INLET ()

COLUMN 1
Capillary Column
Model Number: Agilent 122-1564
DB-VRX, 0.25mm * 60m * 1.4um
Max temperature: 260 'C
Nominal length: 60.0 m
Nominal diameter: 250.00 um
Nominal film thickness: 1.40 um
Mode: constant flow
Initial flow: 1.2 mL/min
Nominal init pressure: 19.12 psi
Average velocity: 28 cm/sec
Inlet: Front Inlet
Outlet: MSD
Outlet pressure: vacuum

COLUMN 2
(not installed)

FRONT DETECTOR (NO DET)

BACK DETECTOR (NO DET)

SIGNAL 1
Data rate: 20 Hz
Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2
Data rate: 20 Hz
Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
(No Detectors Installed)

COLUMN COMP 2
(No Detectors Installed)

THERMAL AUX 2
Use: MSD Transfer Line Heater
Description:
Initial temp: 240 'C (On)
Initial time: 0.00 min

#	Rate	Final temp	Final time
1	0.0(Off)		

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

7673 Injector

Front Injector:
Injector not configured, use these parameters if it becomes configured

Sample Washes	2	
Sample Pumps	4	
Injection Volume	1.0	microliters
Syringe Size	10.0	microliters
PostInj Solvent A Washes	4	
PostInj Solvent B Washes	0	
Viscosity Delay	0	seconds
Plunger Speed	Slow	

Back Injector:

No parameters specified

MS ACQUISITION PARAMETERS

General Information
------- -----------

Tune File : bfb.u
Acquistion Mode : SIM

MS Information
-- -----------

Solvent Delay : 15.90 min

EM Absolute : False
EM Offset : 306
Resulting EM Voltage : 1858.8

[Sim Parameters]

GROUP 1
Group ID : 1
Resolution : Low
Plot 1 Ion : 75.0

Ions/Dwell In Group	Mass,	Dwell)	Mass,	Dwell)	Mass,	Dwell)
	53.0,	50)	75.0,	150)	79.0,	50)
	89.0,	50)	110.0,	100)		

[MSZones]

MS Quad : 150 C maximum 200 C
MS Source : 230 C maximum 250 C
Timed Events
----- ------

[Timed MS Detector Entries]

Time (min)	State (MS on/off)
18.00	Off

END OF MS ACQUISITION PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: C:\MSDCHEM\1\METHODS\123-TCP071107.M

Percent Report Settings

Sort By: Signal

Output Destination
    Screen: No
    Printer: Yes
    File: No

Integration Events: Meth Default

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination
    Screen: Yes
    Printer: No
    File: No

Generate Report During Run Method: No

1,2,3-TCP by GCMS SIM
Calibration Last Updated: Thu Jul 12 12:36:02 2007

Reference Window: 0.50 Minutes
Non-Reference Window: 0.50 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) 1,2,3-TCP-d5 (IS) (ISTD TR)
Ret. Time 17.31 min., Extract & Integrate from 17.21 to 17.41 min.

Lvl	ID	Conc (ng/L)	Response
5		50.000	17996
10		50.000	16353
20		50.000	18685
50		50.000	20175
100		50.000	20782
200		50.000	22449
500		50.000	26639

ISTD conc: 50.000 ng/L
Curve Fit: Avg. RF

---

2) 1,2,3-Trichloropropane ( )
Ret. Time 17.41 min., Extract & Integrate from 17.31 to 17.51 min.

Lvl	ID	Conc (ng/L)	Response
5		5.000	1842
10		10.000	3239
20		20.000	5698
50		50.000	18153
100		100.000	39027
200		200.000	78205
500		500.000	227168

Curve Fit: Avg. RF

END OF DATA ANALYSIS PARAMETERS

Fri Jul 13 09:22:03 2007

Additional Information for 123-TCP031504.M
File created Fri Mar 12 12:56:50 2004

Method D:\MSDCHEM\1\METHODS\123-TCP031004.M (GCMS 9) renamed as D:\MSDCHEM\1\METHODS\123-TCP031504.M
Fri Mar 12 12:56:50 2004 (GCMS 7)

Method D:\MSDCHEM\1\METHODS\123-TCP031504.M renamed as D:\MSDCHEM\1\METHODS\123-TCP031704.M
Wed Mar 17 12:53:52 2004

Method D:\MSDCHEM\1\METHODS\123-TCP031704.M renamed as D:\MSDCHEM\1\METHODS\123-TCP050404.M
Tue May 04 16:23:19 2004

Method D:\MSDCHEM\1\METHODS\123-TCP050404.M renamed as D:\MSDCHEM\1\METHODS\123-TCP061404.M
Mon Jun 14 15:54:54 2004

Method D:\MSDCHEM\1\METHODS\123-TCP061404.M renamed as D:\MSDCHEM\1\METHODS\123-TCP072904.M
Thu Jul 29 09:15:27 2004

Method D:\MSDCHEM\1\METHODS\123-TCP072904.M renamed as D:\MSDCHEM\1\METHODS\123-TCP110404.M
Thu Nov 04 17:20:37 2004

Method D:\MSDCHEM\1\METHODS\123-TCP110404.M renamed as D:\MSDCHEM\1\METHODS\123-TCP121004.M
Fri Dec 10 16:20:45 2004

Method D:\MSDCHEM\1\METHODS\123-TCP121004.M renamed as D:\MSDCHEM\1\METHODS\123-TCP010605.M
Fri Jan 07 09:03:10 2005

Method D:\MSDCHEM\1\METHODS\123-TCP010605.M renamed as D:\MSDCHEM\1\METHODS\123-TCP053105.M
Wed Jun 01 09:06:34 2005

Method D:\MSDCHEM\1\METHODS\123-TCP053105.M renamed as D:\MSDCHEM\1\METHODS\123-TCP060305.M
Mon Jun 06 08:40:48 2005

Method C:\MSDCHEM\1\METHODS\123-TCP060305.M renamed as C:\MSDCHEM\1\METHODS\123-TCP071505.M
Fri Jul 15 12:17:26 2005

Method C:\MSDCHEM\1\METHODS\123-TCP071505.M renamed as C:\MSDCHEM\1\METHODS\123-

Mon Feb 19 22:14:38 2007

Method C:\MSDCHEM\1\METHODS\123-TCP021907.M renamed as C:\MSDCHEM\1\METHODS\123-TCP032207.M
Fri Mar 23 08:06:38 2007

Method C:\MSDCHEM\1\METHODS\123-TCP032207.M renamed as C:\MSDCHEM\1\METHODS\123-TCP042507.M
Thu Apr 26 10:20:53 2007

Method C:\MSDCHEM\1\METHODS\123-TCP042507.M renamed as C:\MSDCHEM\1\METHODS\123-TCP051507.M
Wed May 16 08:15:14 2007

Method C:\MSDCHEM\1\METHODS\123-TCP051507.M renamed as C:\MSDCHEM\1\METHODS\123-TCP061307.M
Thu Jun 14 08:19:23 2007

Method C:\MSDCHEM\1\METHODS\123-TCP061307.M renamed as C:\MSDCHEM\1\METHODS\123-TCP061807.M
Tue Jun 19 08:04:44 2007

Method C:\MSDCHEM\1\METHODS\123-TCP061807.M renamed as C:\MSDCHEM\1\METHODS\123-TCP070307.M
Tue Jul 03 16:25:47 2007

Method C:\MSDCHEM\1\METHODS\123-TCP070307.M renamed as C:\MSDCHEM\1\METHODS\123-TCP071107.M
Thu Jul 12 08:13:38 2007

IQG1031 / CQG0475
LEVEL IV DATA PACKAGE

SRL 524M-123 TCP
SAMPLE RAW DATA

Injection Log

Directory: C:\DATA\07JUL17

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	G17001.d	1.	Equil Rinse	25mL	17 Jul 2007 11:04
2	2	G17002.d	1.	Equil Rinse	25mL	17 Jul 2007 11:36
3	3	G17003.d	1.	Equil Rinse	25mL	17 Jul 2007 12:08
4	4	G17004.d	1.	CCV	25mL w/ 50ppt #7060083	17 Jul 2007 12:41
5	5	G17005.d	1.	C7G1703-BS1	25mL w/ 5ppt #7060083	17 Jul 2007 13:14
6	6	G17006.d	1.	C7G1703-BLK1	25mL w/ #7060081	17 Jul 2007 13:46
7	7	G17007.d	1.	CQG0414-01	25mL	17 Jul 2007 14:59
8	8	G17008.d	1.	CQG0475-01	25mL	17 Jul 2007 15:31
9	9	G17009.d	1.	C7G1703-MS1	25mL w/ #7060083; 475-01	17 Jul 2007 16:04
10	10	G17010.d	1.	C7G1703-MSD1	25mL w/ #7060083; 475-01	17 Jul 2007 16:36
11	11	G17011.d	1.	CQG0475-02	25mL	17 Jul 2007 17:09
12	12	G17012.d	1.	CQG0475-03	25mL	17 Jul 2007 17:41
13	13	G17013.d	1.	CQG0475-04	25mL	17 Jul 2007 18:14
14	14	G17014.d	1.	CQG0475-05	25mL	17 Jul 2007 18:47
15	15	G17015.d	1.	CQG0524-01	25mL	17 Jul 2007 19:19
16	16	G17016.d	1.	CQG0524-02	25mL	17 Jul 2007 19:52
17	17	G17017.d	1.	CQG0524-03	25mL	17 Jul 2007 20:24
18	18	G17018.d	1.	CQG~~0524~~-04	25mL	17 Jul 2007 20:57
19	19	G17019.d	1.	CCV 466 PV 7/18/07	25mL w/ 50ppt #7060083	17 Jul 2007 21:29

PREPARATION BENCH SHEET

C7G1703

TestAmerica - Ontario, CA

Printed: 7/18/2007 4:17:37PM

Matrix: Water **Prepared using: GCMS-Volatiles - EPA 524.2** **Surrogate used: 7060081**

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surr	Initials	Extraction Comments
C7G1703-BLK1	QC	07/17/07 12:41	25	25			0		0	5		
C7G1703-BS1	QC	07/17/07 12:41	25	25		7060083	0.5		100	5		
C7G1703-MS1	QC	07/17/07 12:41	25	25	CQG0475-01	7060083	5		100	5		
C7G1703-MSD	QC	07/17/07 12:41	25	25	CQG0475-01	7060083	5		100	5		
CQG0414-01	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		sub TA Ontario 524.2, jflag
CQG0466-04	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0475-01	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0475-02	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0475-03	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0475-04	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0475-05	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0524-01	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0524-02	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		
CQG0524-03	524.2 CA 1,2,3-TCP (SIM)	07/17/07 12:41	25	25						5		

Reagents used in Batch

Reagent	Description	Solvent

GCMS #39

Posted
7/18/07

7-19-07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL17\G17001.D					
Original Path: x:\07JUL17\G17001.D					
0	No Audit				
Scan File Path: x:\07JUL17\G17002.D					
Original Path: x:\07JUL17\G17002.D					
0	No Audit				
Scan File Path: x:\07JUL17\G17003.D					
Original Path: x:\07JUL17\G17003.D					
0	No Audit				
Scan File Path: x:\07JUL17\G17004.D					
Original Path: C:\DATA\07JUL17\G17004.D					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)
Scan File Path: x:\07JUL17\G17005.D					
Original Path: C:\DATA\07JUL17\G17005.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1703-BS1 (25mL w/ 5ppt #7060083)
Scan File Path: x:\07JUL17\G17006.D					
Original Path: C:\DATA\07JUL17\G17006.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1703-BLK1 (25mL w/ #7060081)
Scan File Path: x:\07JUL17\G17007.D					
Original Path: C:\DATA\07JUL17\G17007.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0414-01 (25mL)
Scan File Path: x:\07JUL17\G17008.D					
Original Path: C:\DATA\07JUL17\G17008.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0475-01 (25mL)
Scan File Path: x:\07JUL17\G17009.D					
Original Path: C:\DATA\07JUL17\G17009.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1703-MS1 (25mL w/ #7060083; 475-01)
Scan File Path: x:\07JUL17\G17010.D					
Original Path: C:\DATA\07JUL17\G17010.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1703-MSD1 (25mL w/ #7060083; 475-01)
Scan File Path: x:\07JUL17\G17011.D					
Original Path: C:\DATA\07JUL17\G17011.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0475-02 (25mL)

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL17\G17012.D					
Original Path: C:\DATA\07JUL17\G17012.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0475-03 (25mL)
Scan File Path: x:\07JUL17\G17013.D					
Original Path: C:\DATA\07JUL17\G17013.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0475-04 (25mL)
Scan File Path: x:\07JUL17\G17014.D					
Original Path: C:\DATA\07JUL17\G17014.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0475-05 (25mL)
Scan File Path: x:\07JUL17\G17015.D					
Original Path: C:\DATA\07JUL17\G17015.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0524-01 (25mL)
Scan File Path: x:\07JUL17\G17016.D					
Original Path: C:\DATA\07JUL17\G17016.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0524-02 (25mL)
Scan File Path: x:\07JUL17\G17017.D					
Original Path: C:\DATA\07JUL17\G17017.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0524-03 (25mL)
Scan File Path: x:\07JUL17\G17018.D					
Original Path: C:\DATA\07JUL17\G17018.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0524-04 (25mL)
Scan File Path: x:\07JUL17\G17019.D					
Original Path: C:\DATA\07JUL17\G17019.D					
7	Scanned	QM(1), QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)

Software error
No time travel
detected DV 7-19-07

QD = Method Last Update date after Quantitation date QM = Processed >3 times using the same method

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

GC/MS QA-QC Check Report

Tune File : C:\DATA\07JUL17\G17004.D
Tune Time : 17 Jul 2007 12:41 pm

Daily Calibration File : C:\DATA\07JUL11\G11005.D

File	Sample	Internal Std Responses 20175
G17004.D	CCV	17564
G17005.D	C7G1703-BS1	18269
G17006.D	C7G1703-BLK1	19492
G17007.D	CQG0414-01	1515 * OK per SOP Sec. 8.1.7.1
G17008.D	CQG0475-01	20604
G17009.D	C7G1703-MS1	20652
G17010.D	C7G1703-MSD1	19511
G17011.D	CQG0475-02	19165
G17012.D	CQG0475-03	18177
G17013.D	CQG0475-04	19351
G17014.D	CQG0475-05	17279
G17015.D	CQG0524-01	23462
G17016.D	CQG0524-02	21143
G17017.D	CQG0524-03	22958
G17018.D	CQG0~~524~~ 916-04	38385
G17019.D	CCV 7/18/07	19524

- fails 12hr time check * - fails criteria

Created: Wed Jul 18 10:23:14 2007 GCMS39

GC/MS # 39

Date: 7/17/07

Analyst: [illegible]

Port #	Sample	Amount	Dil.	Ph	Res. Cl_2	Comments
1	Equil. Rinse	25ml	1	N/A		
2	↓	25ml	1	↓		
3	↓	25ml	1	↓		
4	CCV	25ml	1	↓		50ppt #7060083
5	C7G1703-BS1	25ml	1	↓		5ppt #7060083
6	↓ -BLK1	25ml	1	↓		#7060081
7	CQG0414-01	25ml	1	↓	<5	
8	CQG0475-01	25ml	1	↓	<5	
9	C7G1703-MS1	25ml	1	↓		#7060083; 475-01
10	↓ -MSD1	25ml	1	↓		↓
11	CQG0475-02	25ml	1	↓	<5	
12	↓ -03	25ml	1	↓	<5	
13	↓ -04	25ml	1	↓	<5	
14	↓ -05	25ml	1	↓	<5	
15	CQG0524-01	25ml	1	↓	<5	
16	↓ -02	25ml	1	↓	<5	
17	↓ -03	25ml	1	↓	<5	
18	CQG0466-04	25ml	1	↓	<5	
19	CCV	25ml	1	↓		50ppt #7060083

1,2,3-Trichloropropane by GC/MS Calibration Verification Check

7/18/07

File: G17004.D **Instrument:** GCMS39
Operator: PM

Date: 17 Jul 2007 12:41 pm **QC BATCH # :** CCV

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	44.70	89.4	80-120

* Denotes values out of expected range

7/17/2007 3:02 PM

C:\MSDchem\Custrpt\123TCP.CRT

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL17\G17004.D
Acq On : 17 Jul 2007 12:41 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P

Vial: 4
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,2,3-TCP-d5 (IS)	1.000	1.000	0.0	87	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.809	10.7	78(#)	0.00

OK

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17004.D
Acq On : 17 Jul 2007 12:41 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:02:03 2007

Vial: 4
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	17564	50.00	ng/L	0.00
Target Compounds						Qvalue
2) 1,2,3-Trichloropropane	17.41	75	14218	44.70	ng/L #	98

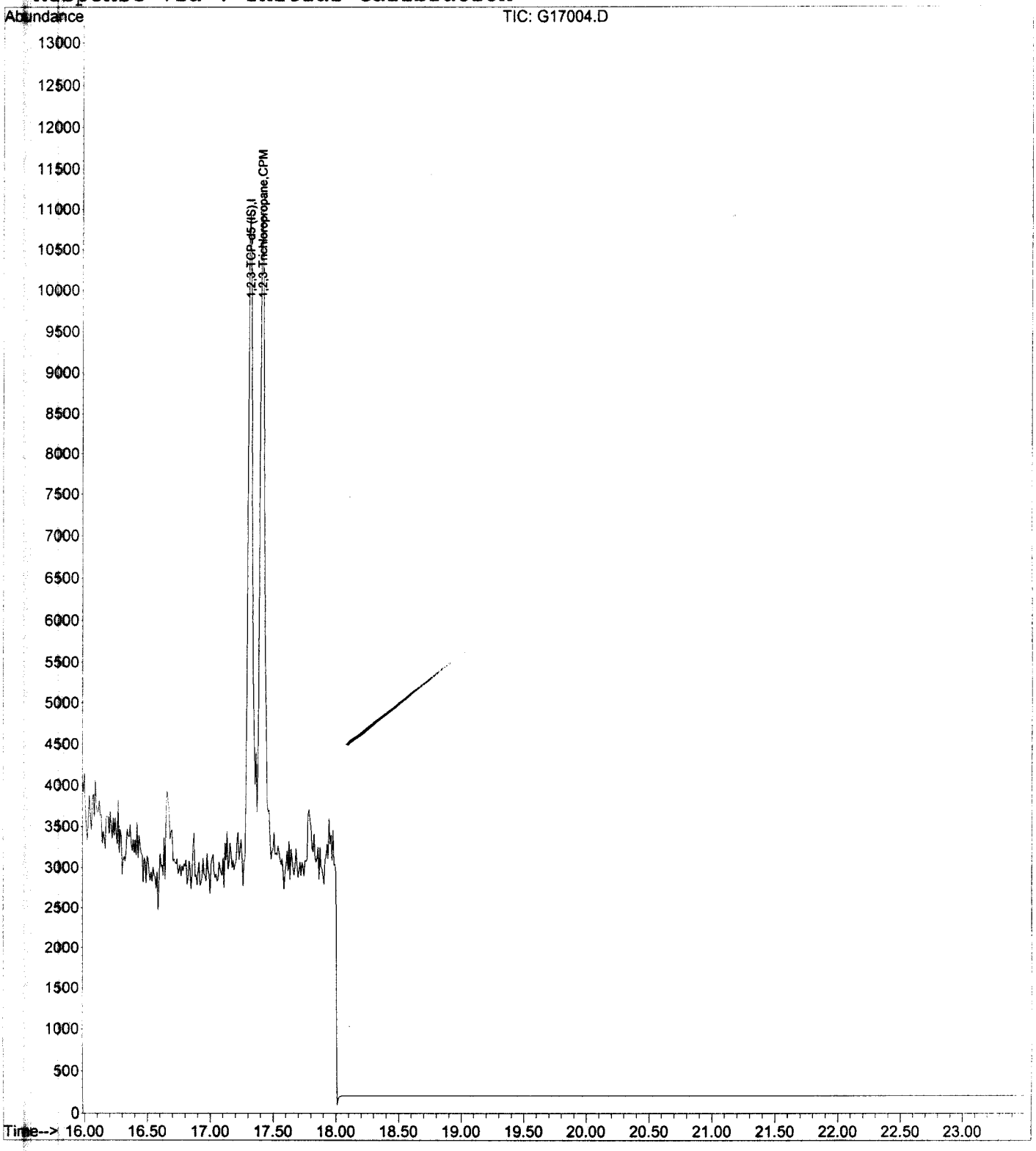
(#) = qualifier out of range (m) = manual integration (+) = signals summed

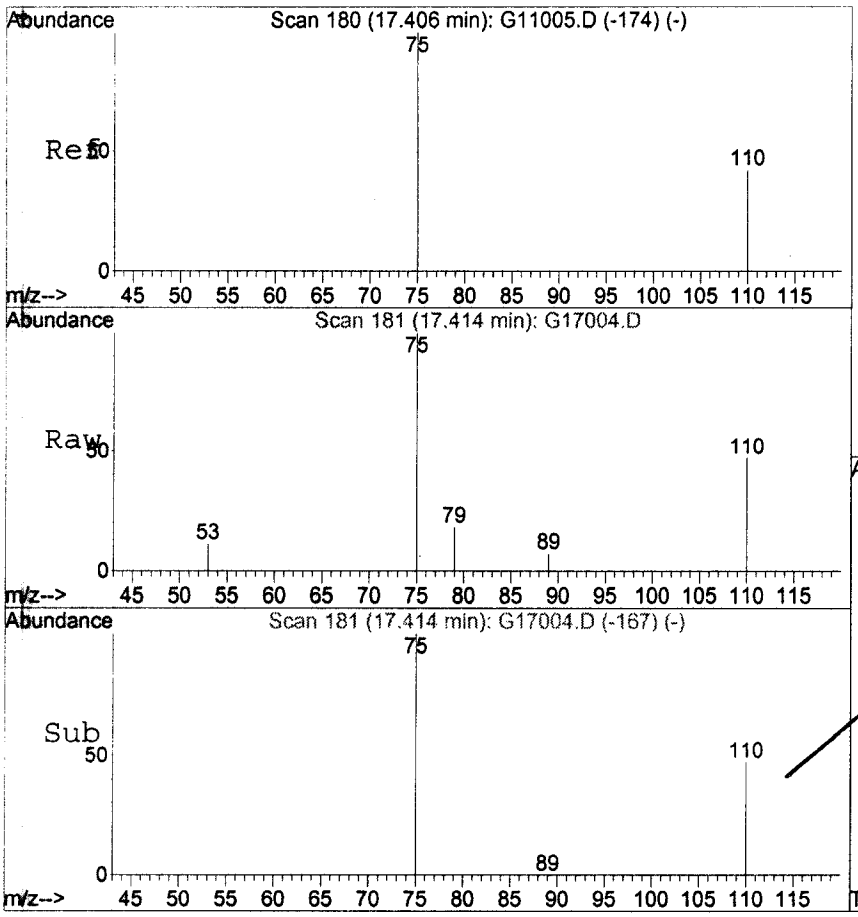
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17004.D
Acq On : 17 Jul 2007 12:41 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:02 2007

Vial: 4
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

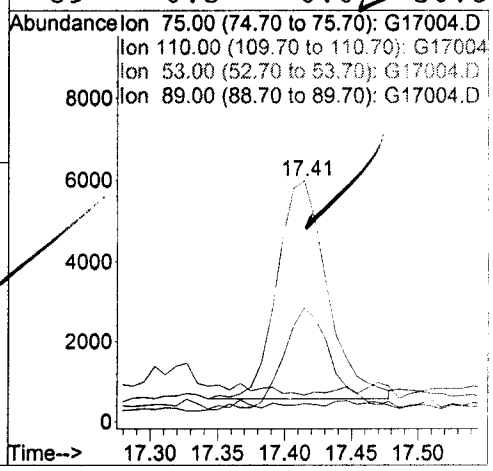




#2
1,2,3-Trichloropropane
Concen: 44.70 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G17004.D
Acq: 17 Jul 2007 12:41 pm

Tgt Ion: 75 Resp: 14218

Ion	Ratio	Lower	Upper
75	100		
110	42.6	11.2	71.2
53	0.0	0.0	30.0
89	0.5	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17005.D
Acq On : 17 Jul 2007 1:14 pm
Sample : C7G1703-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:24 2007

Vial: 5
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	18269	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1629	4.92 ng/L	80

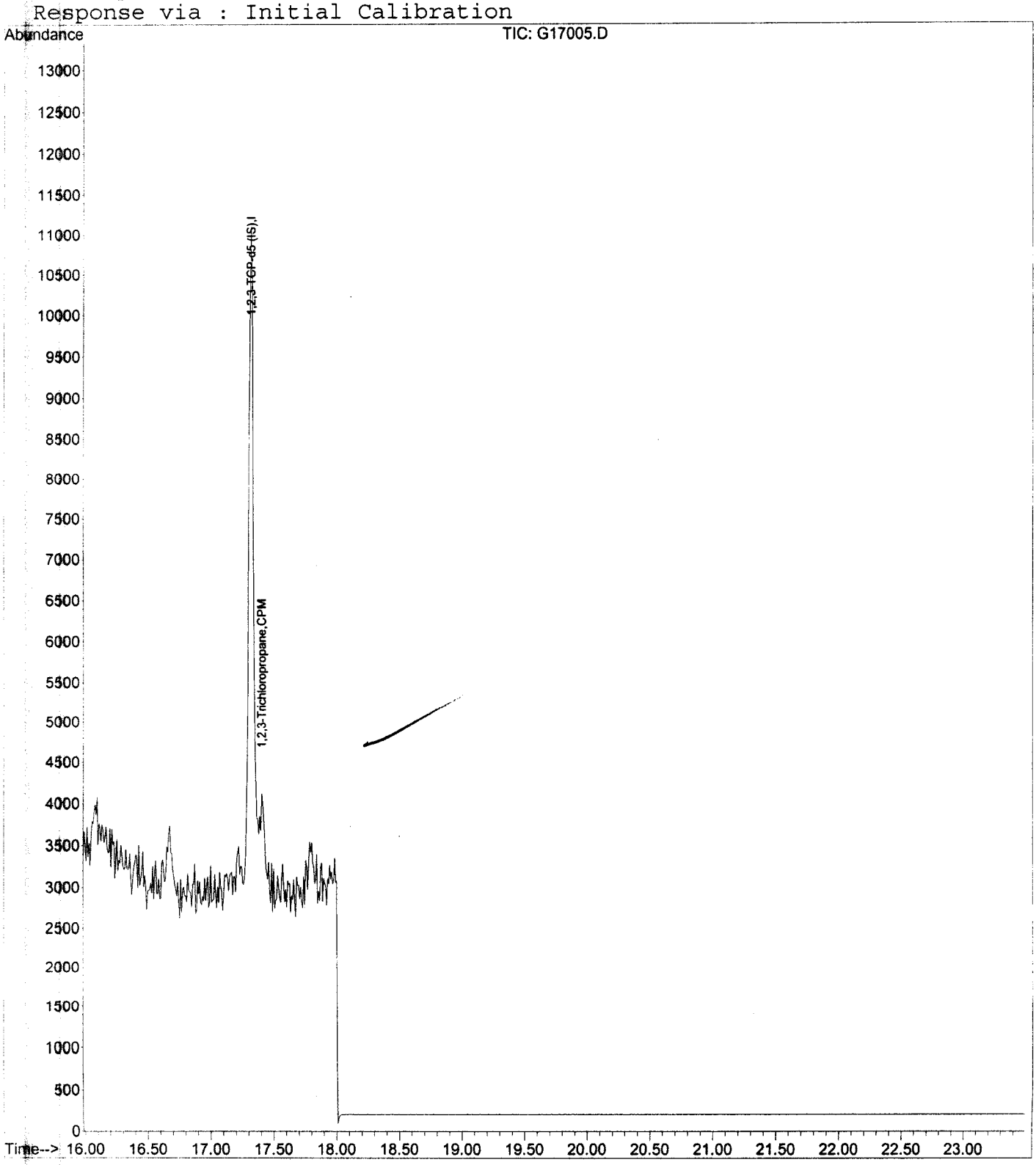
(#) = qualifier out of range (m) = manual integration (+) = signals summed

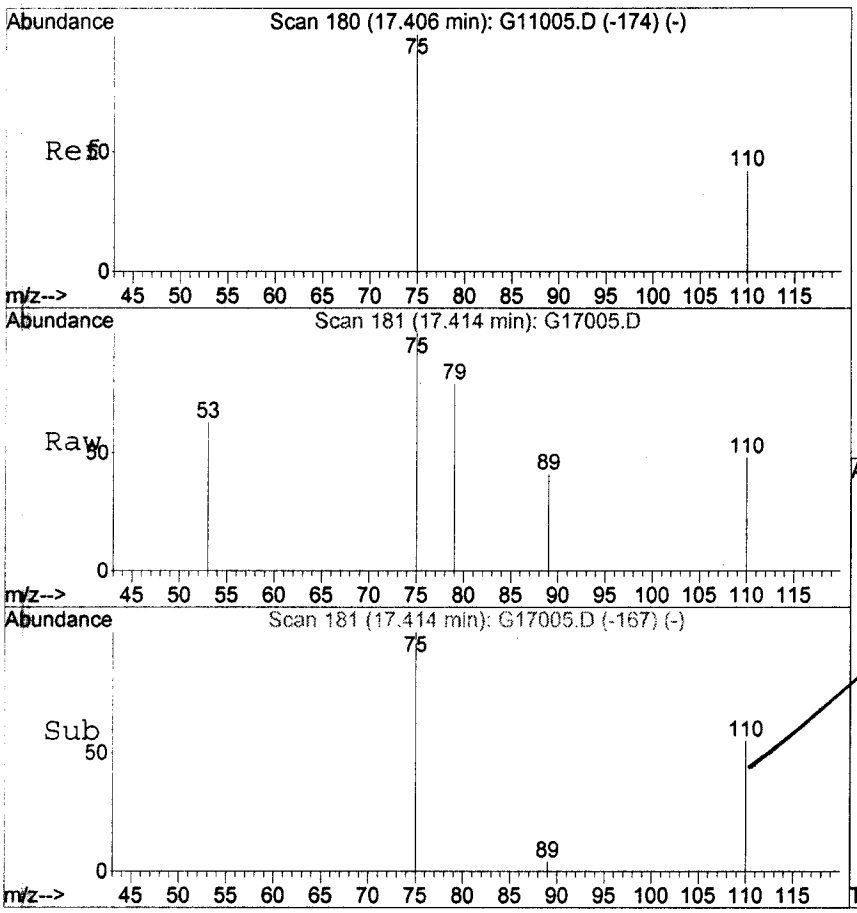
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17005.D
Acq On : 17 Jul 2007 1:14 pm
Sample : C7G1703-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 5
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

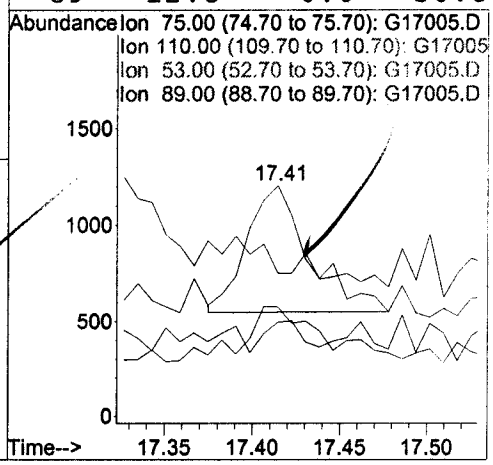




#2
1,2,3-Trichloropropane
Concen: 4.92 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G17005.D
Acq: 17 Jul 2007 1:14 pm

Tgt Ion: 75 Resp: 1629

Ion	Ratio	Lower	Upper
75	100		
110	53.8	11.2	71.2
53	17.2	0.0	30.0
89	12.8	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17006.D
Acq On : 17 Jul 2007 1:46 pm
Sample : C7G1703-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:24 2007

Vial: 6
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	19492	50.00 ng/L	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

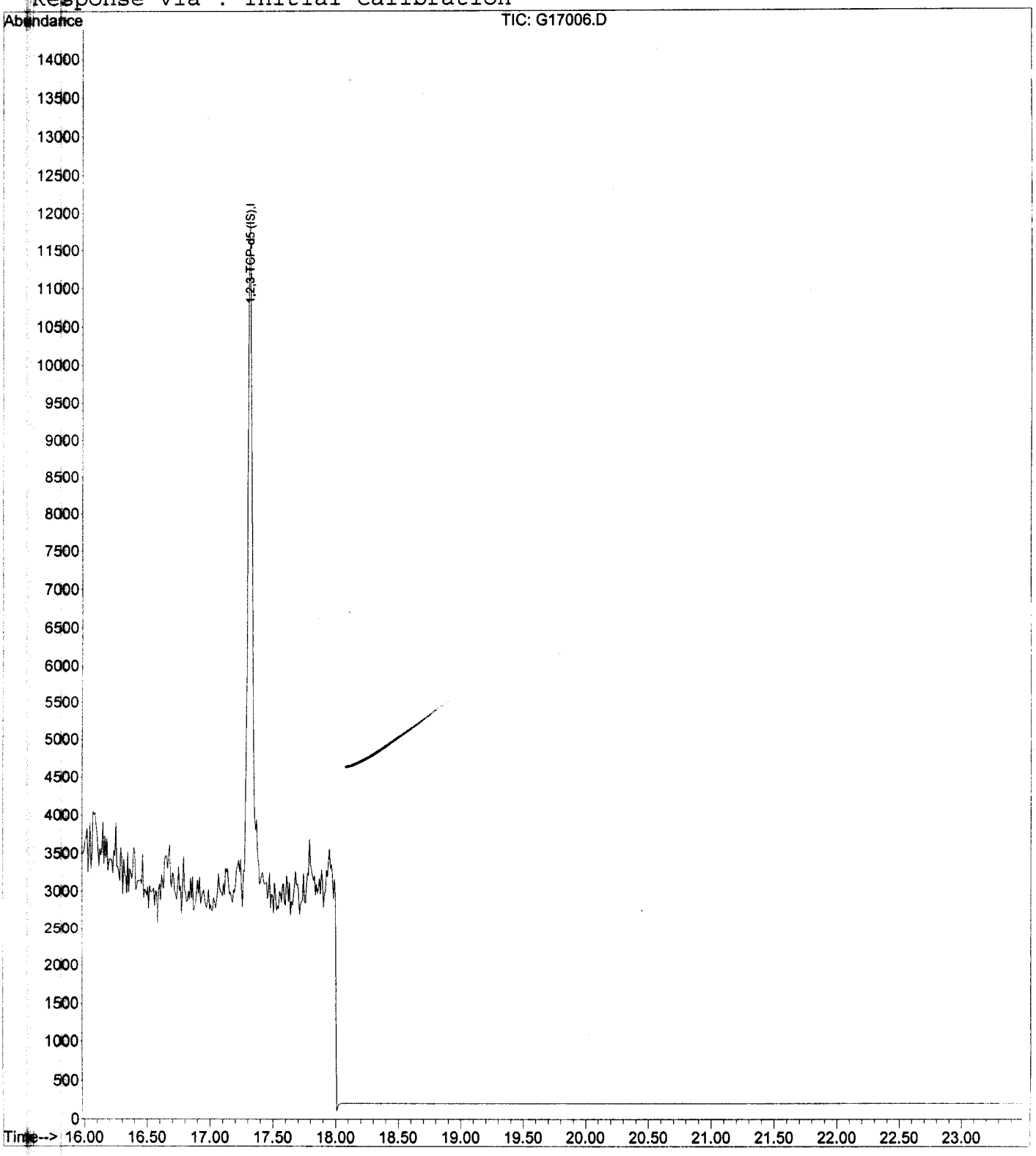
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17006.D
Acq On : 17 Jul 2007 1:46 pm
Sample : C7G1703-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 6
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17008.D
Acq On : 17 Jul 2007 3:31 pm
Sample : CQG0475-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:29 2007

Vial: 8
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	20604	50.00 ng/L	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

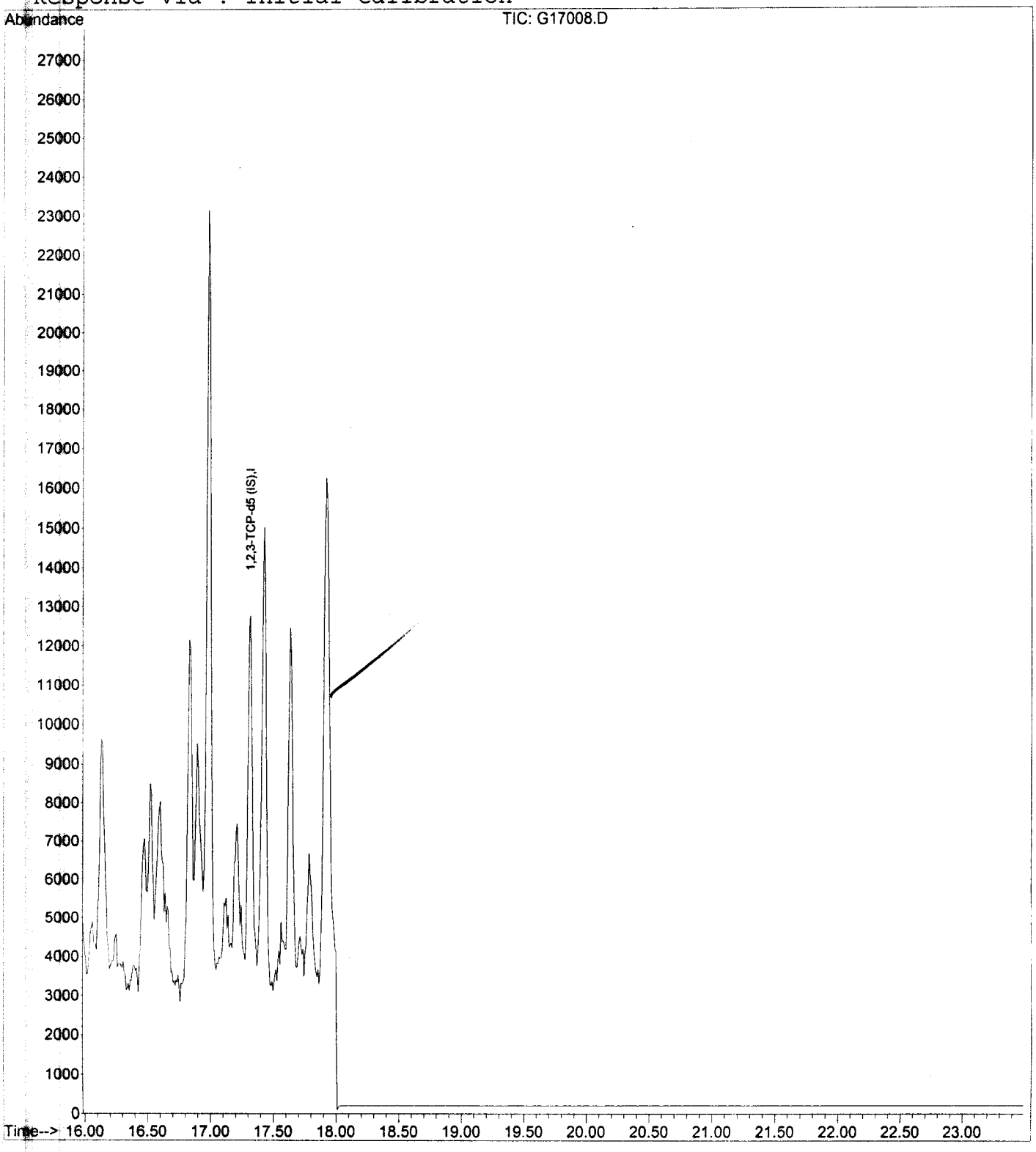
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17008.D
Acq On : 17 Jul 2007 3:31 pm
Sample : CQG0475-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 8
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17009.D
Acq On : 17 Jul 2007 4:04 pm
Sample : C7G1703-MS1
Misc : 25mL w/ #7060083; 475-01
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:30 2007

Vial: 9
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.31	79	20652	50.00	ng/L	0.00
Target Compounds						Qvalue
2) 1,2,3-Trichloropropane	17.41	75	17091	45.70	ng/L #	76

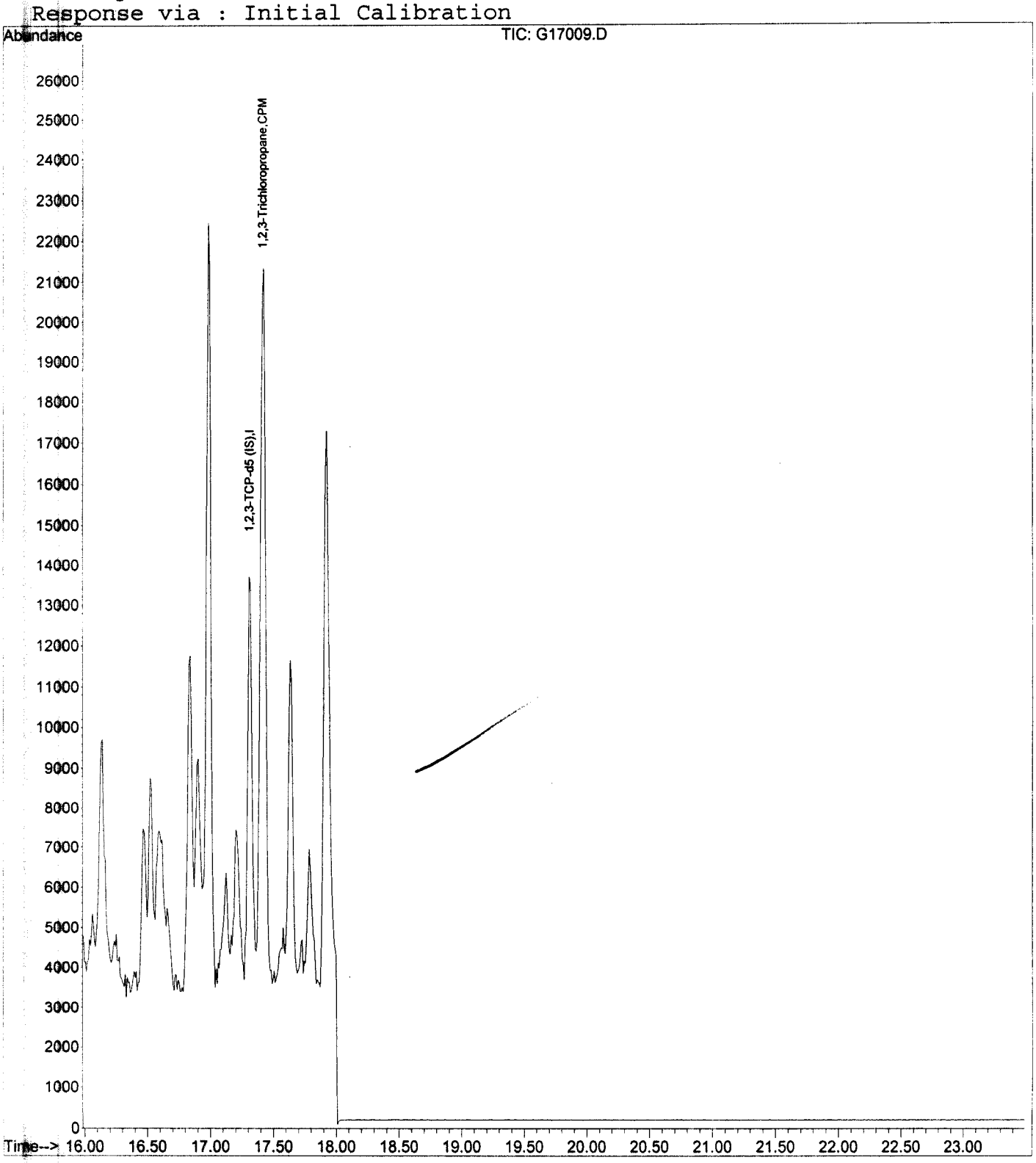
(#) = qualifier out of range (m) = manual integration (+) = signals summed

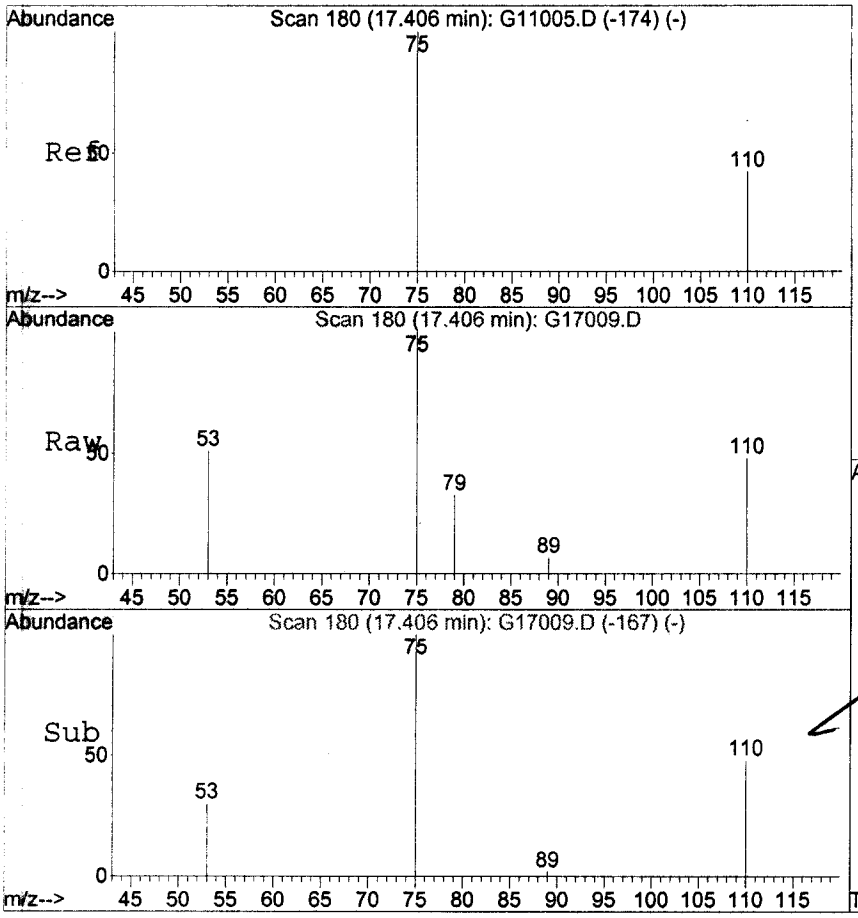
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17009.D
Acq On : 17 Jul 2007 4:04 pm
Sample : C7G1703-MS1
Misc : 25mL w/ #7060083; 475-01
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 9
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

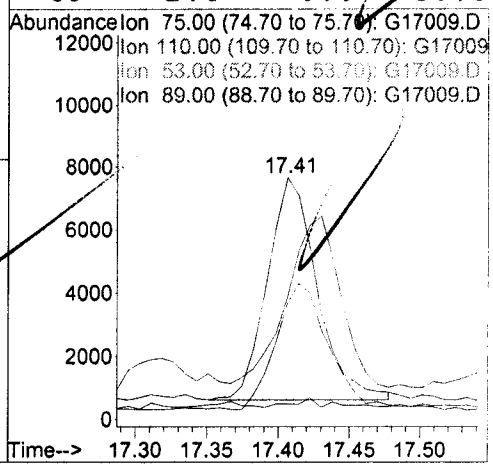




#2
1,2,3-Trichloropropane
Concen: 45.70 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G17009.D
Acq: 17 Jul 2007 4:04 pm

Tgt Ion: 75 Resp: 17091

Ion	Ratio	Lower	Upper
75	100		
110	56.7	11.2	71.2
53	80.4	0.0	30.0#
89	2.6	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17010.D
Acq On : 17 Jul 2007 4:36 pm
Sample : C7G1703-MSD1
Misc : 25mL w/ #7060083; 475-01
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:32 2007

Vial: 10
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	19511	50.00 ng/L	0.00

Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	17931	50.74 ng/L	# 71

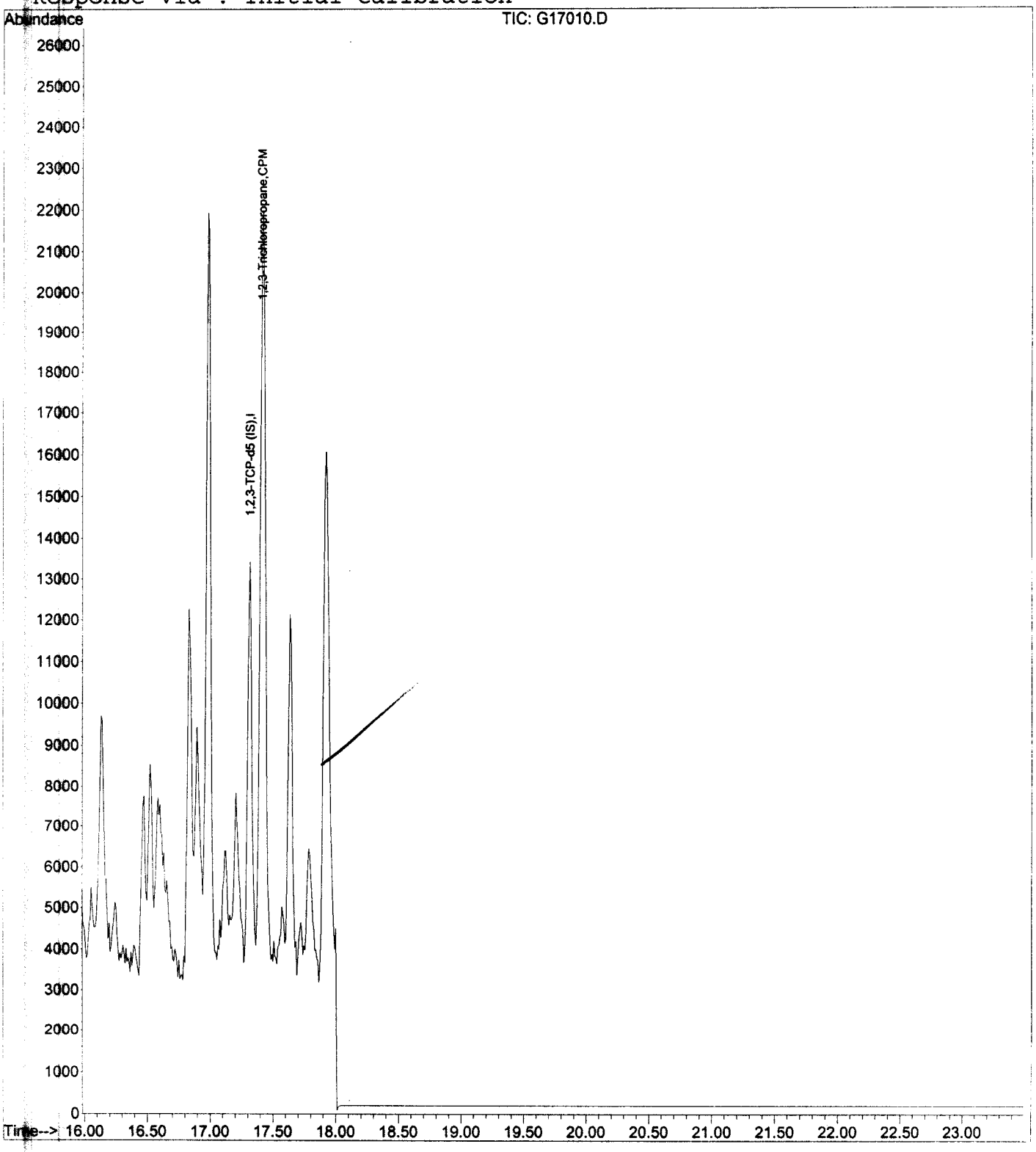
(#) = qualifier out of range (m) = manual integration (+) = signals summed

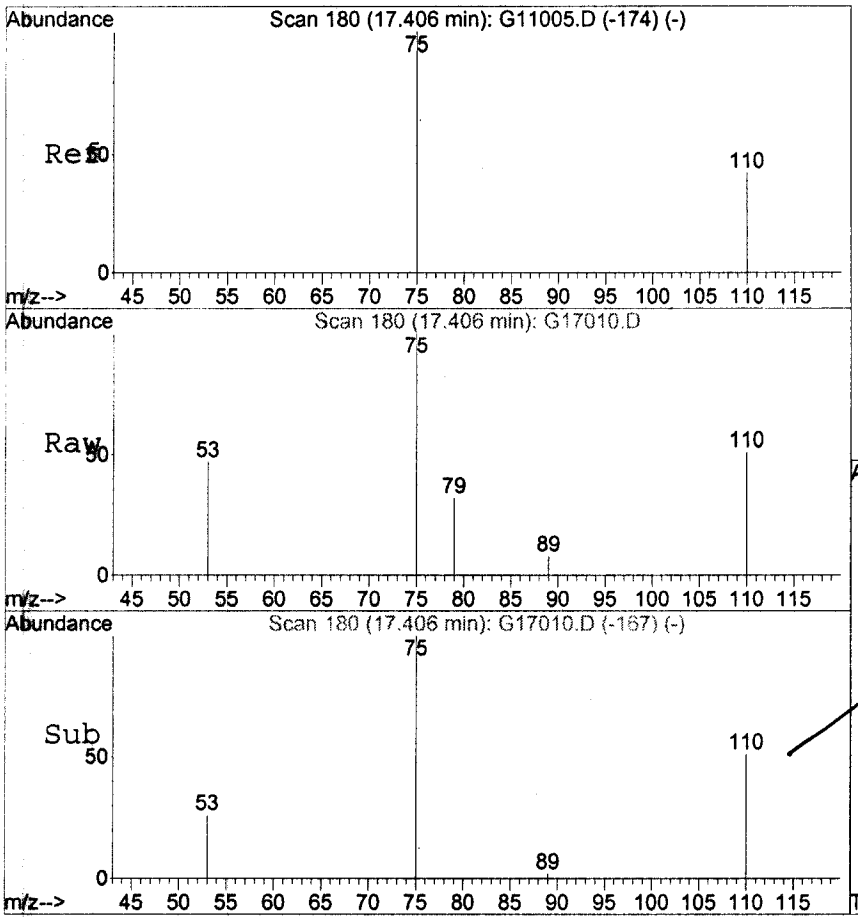
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17010.D
Acq On : 17 Jul 2007 4:36 pm
Sample : C7G1703-MSD1
Misc : 25mL w/ #7060083; 475-01
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 10
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

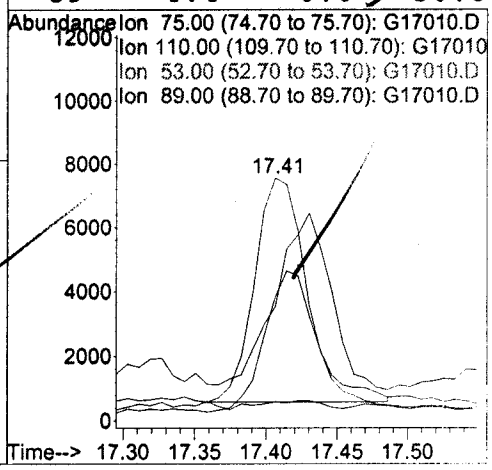




#2
1,2,3-Trichloropropane
Concen: 50.74 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G17010.D
Acq: 17 Jul 2007 4:36 pm

Tgt Ion: 75 Resp: 17931

Ion	Ratio	Lower	Upper
75	100		
110	59.3	11.2	71.2
53	79.3	0.0	30.0#
89	4.4	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17011.D
Acq On : 17 Jul 2007 5:09 pm
Sample : CQG0475-02
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:36 2007

Vial: 11
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	19165	50.00	ng/L	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

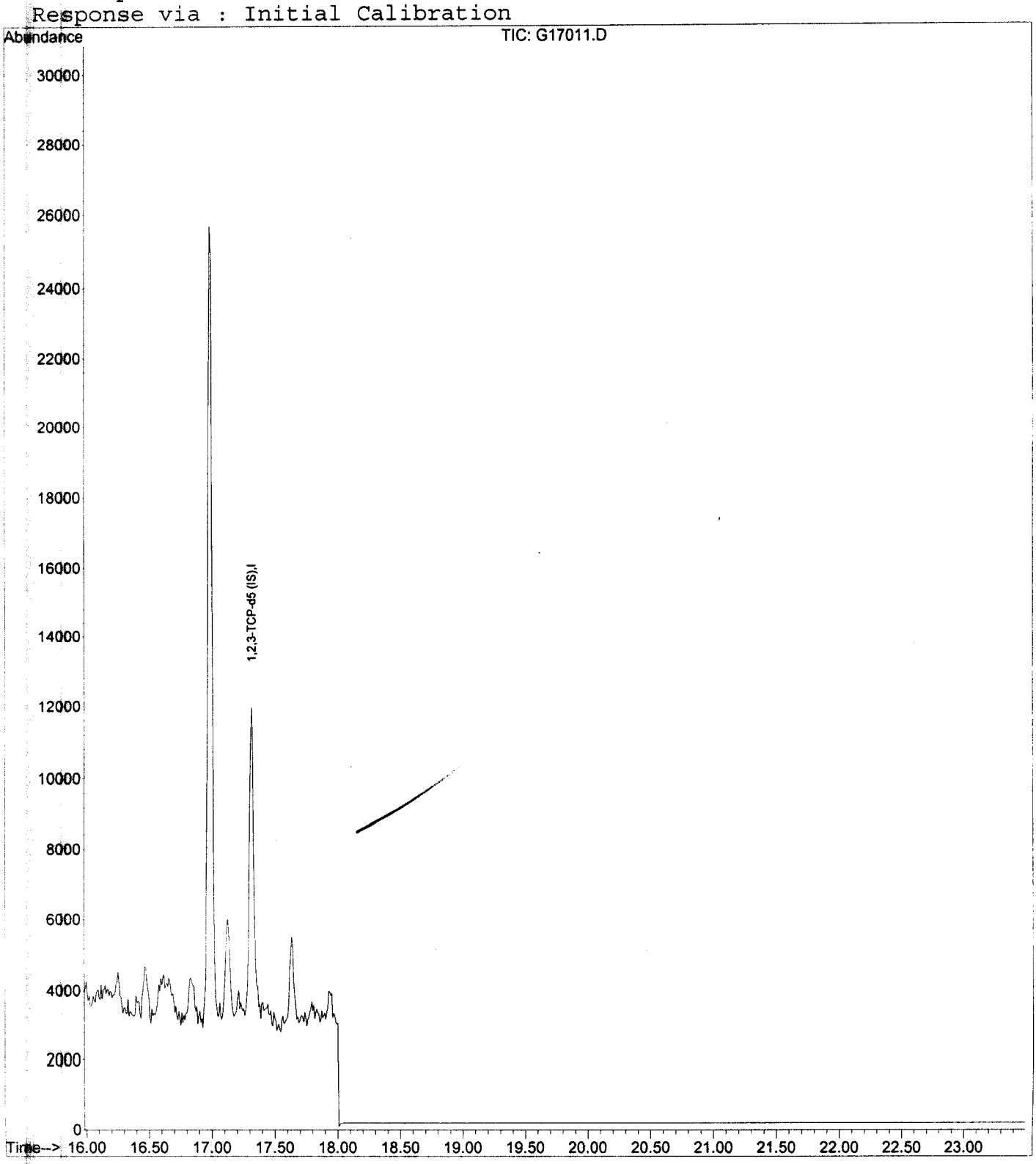
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17011.D
Acq On : 17 Jul 2007 5:09 pm
Sample : CQG0475-02
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 11
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17012.D
Acq On : 17 Jul 2007 5:41 pm
Sample : CQG0475-03
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:38 2007

Vial: 12
Operator: PM
Inst : GCMS3
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	18177	50.00 ng/L	0.00

Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.42	75	2157	~~6.55 ng/L~~	~~#~~ nc 1

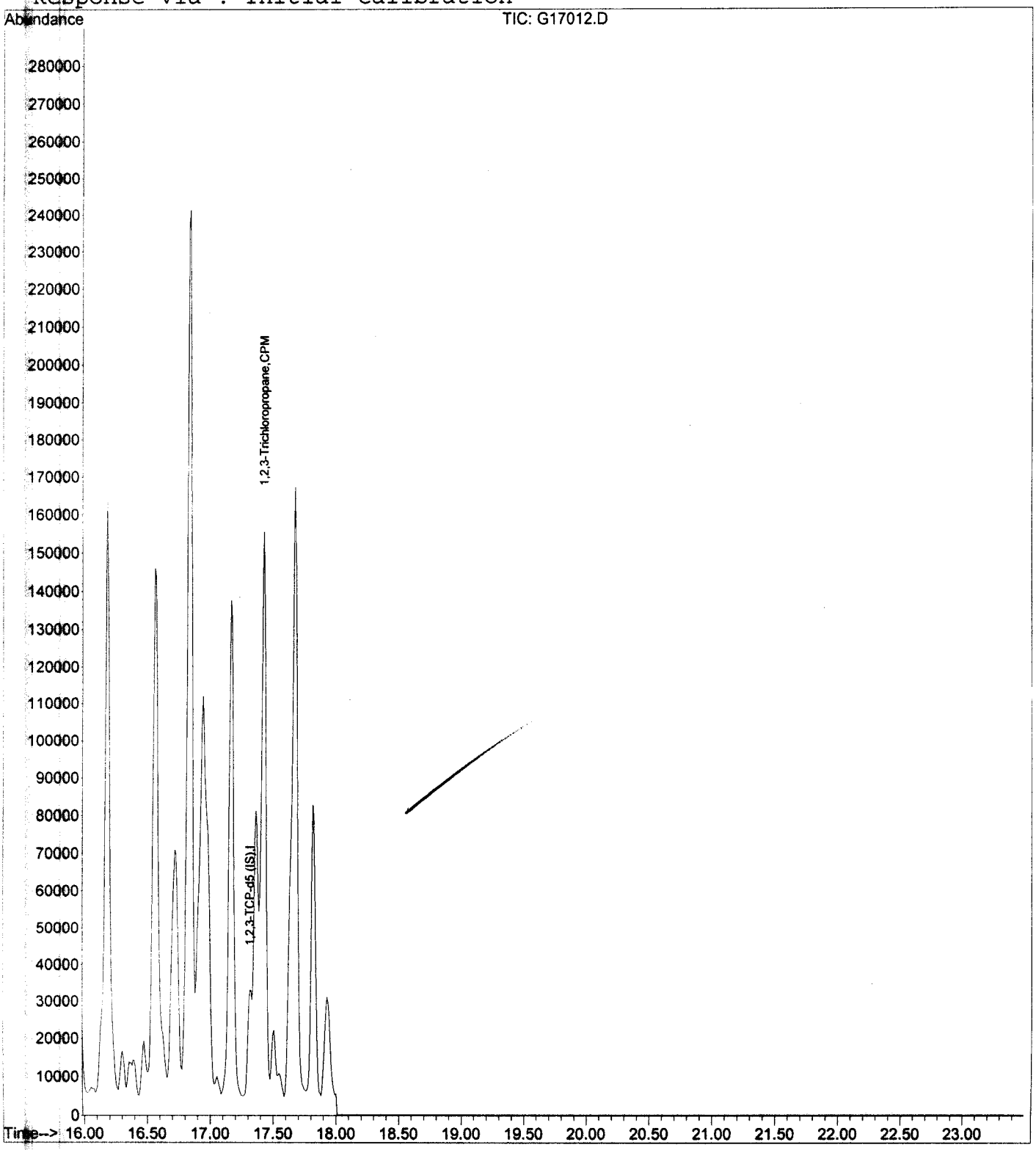
(#) = qualifier out of range (m) = manual integration (+) = signals summed

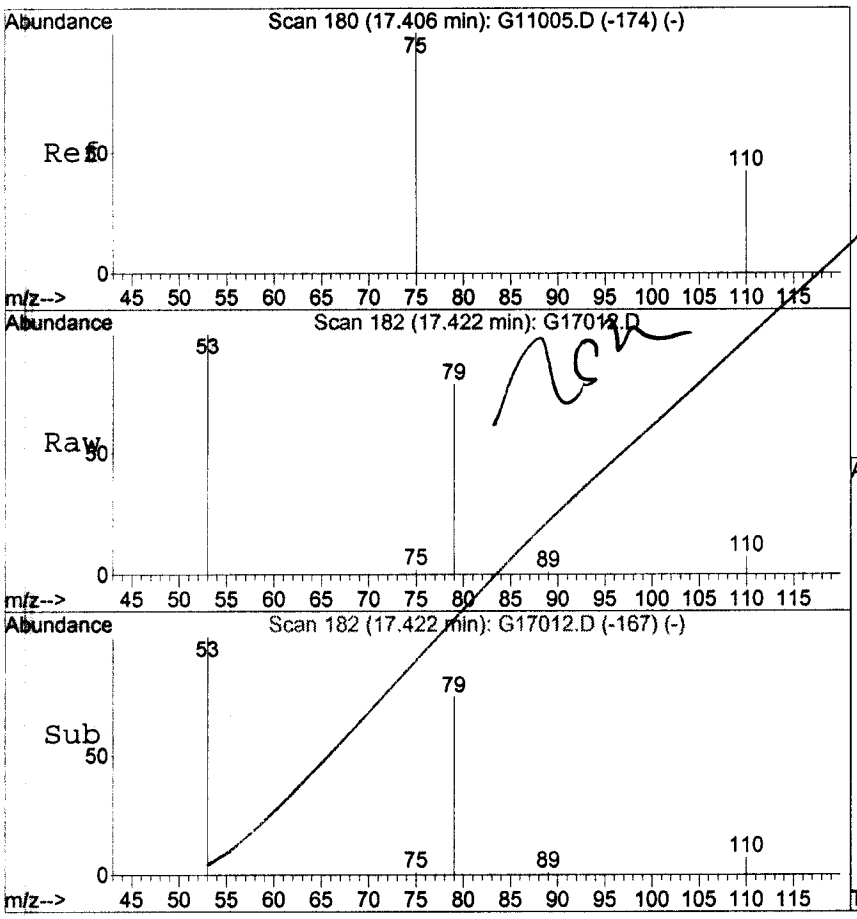
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17012.D
Acq On : 17 Jul 2007 5:41 pm
Sample : CQG0475-03
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 12
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

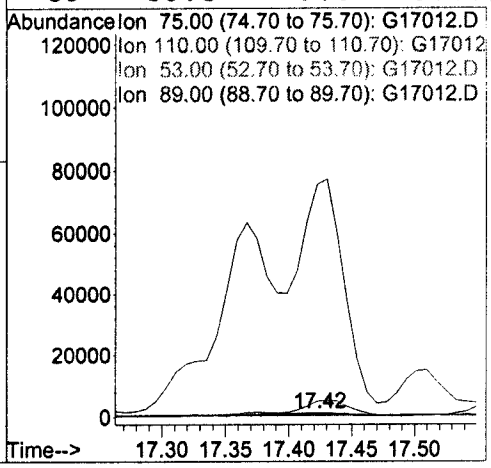




#2
1,2,3-Trichloropropane
Concen: 6.55 ng/L
RT: 17.42 min Scan# 182
Delta R.T. 0.02 min
Lab File: G17012.D
Acq: 17 Jul 2007 5:41 pm

Tgt Ion: 75 Resp: 2157

Ion	Ratio	Lower	Upper
75	100		
110	463.4	11.2	71.2#
53	4317.2	0.0	30.0#
89	46.5	0.0	30.8#



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17013.D
Acq On : 17 Jul 2007 6:14 pm
Sample : CQG0475-04
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:39 2007

Vial: 13
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	19351	50.00 ng/L	0.00

Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.42	75	2603	~~7.43 ng/L~~ #.c	1

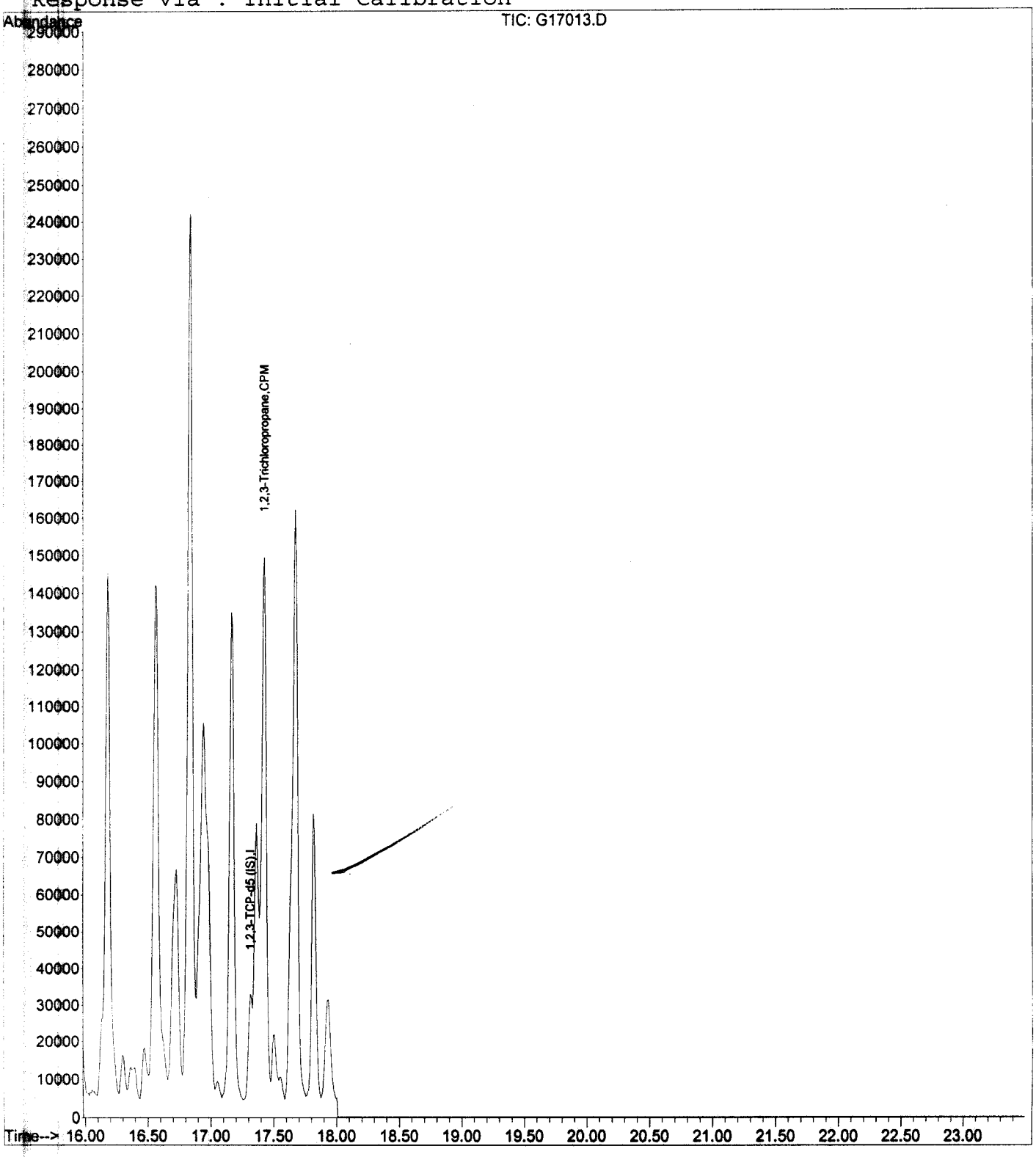
(#) = qualifier out of range (m) = manual integration (+) = signals summed

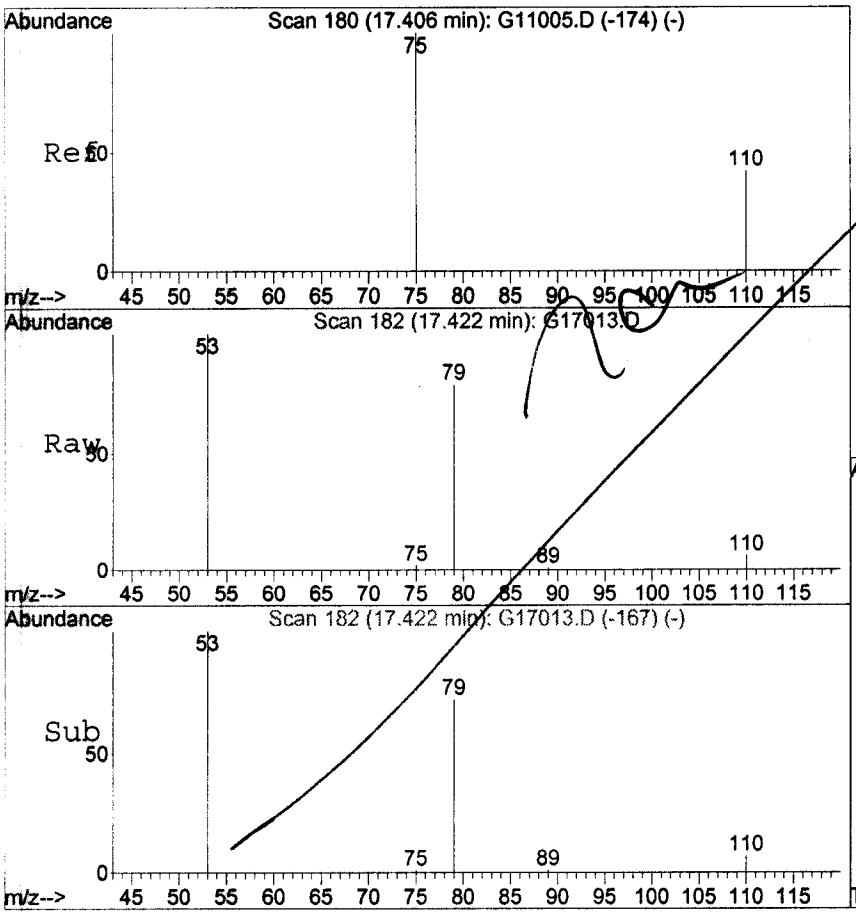
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17013.D
Acq On : 17 Jul 2007 6:14 pm
Sample : CQG0475-04
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 13
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

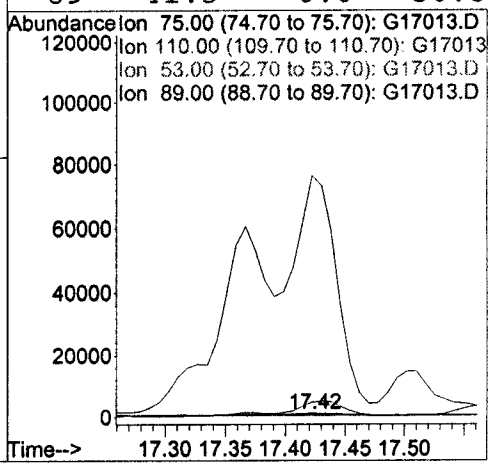




#2
1,2,3-Trichloropropane
Concen: 7.43 ng/L
RT: 17.42 min Scan# 182
Delta R.T. 0.02 min
Lab File: G17013.D
Acq: 17 Jul 2007 6:14 pm

Tgt Ion: 75 Resp: 2603

Ion	Ratio	Lower	Upper
75	100		
110	386.6	11.2	71.2#
53	3815.8	0.0	30.0#
89	41.3	0.0	30.8#



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17014.D
Acq On : 17 Jul 2007 6:47 pm
Sample : CQG0475-05
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:39 2007

Vial: 14
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/18/07

Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	17279	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1107	~~3.54 ng/L~~ #NSr	1

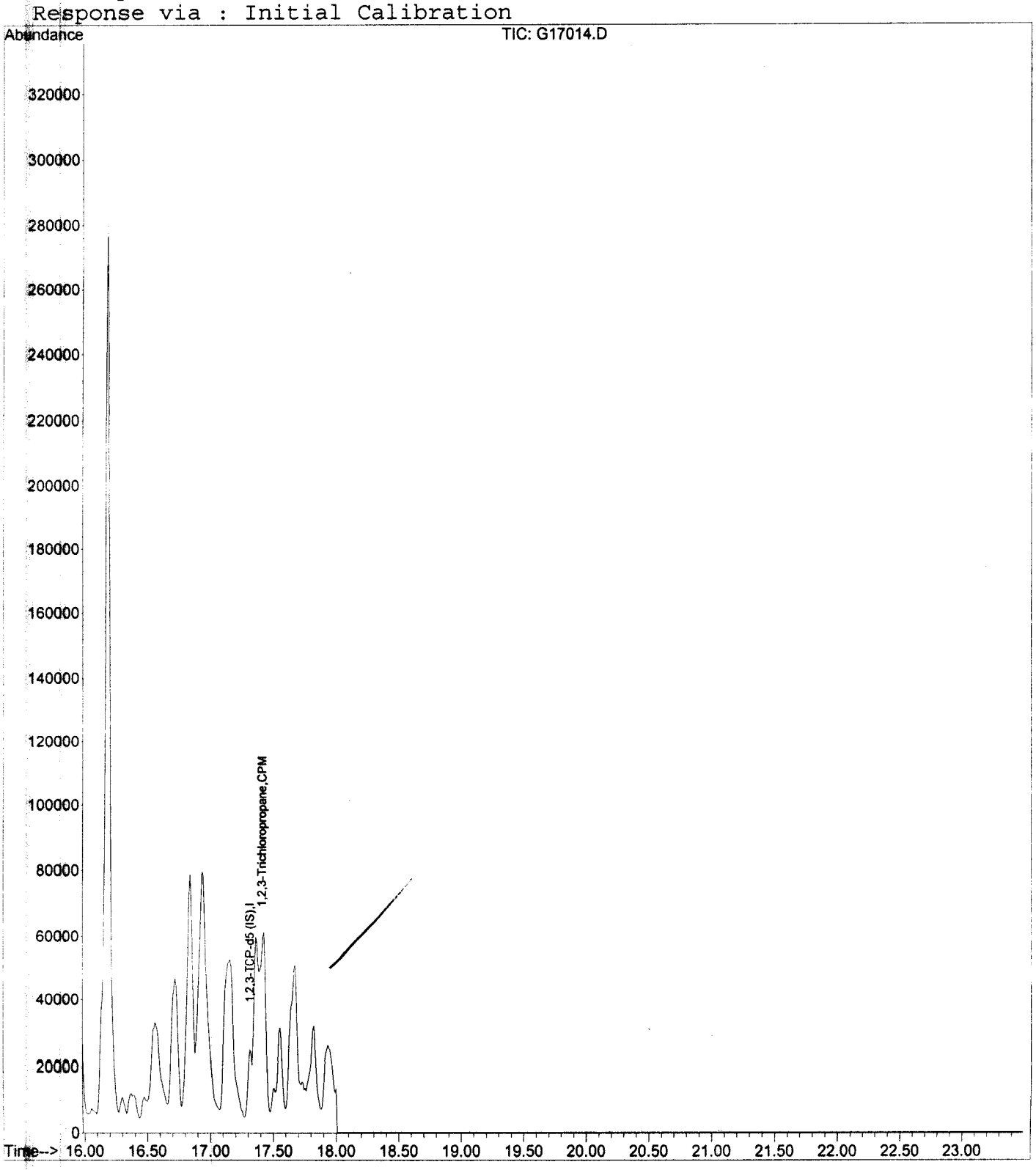
(#) = qualifier out of range (m) = manual integration (+) = signals summed

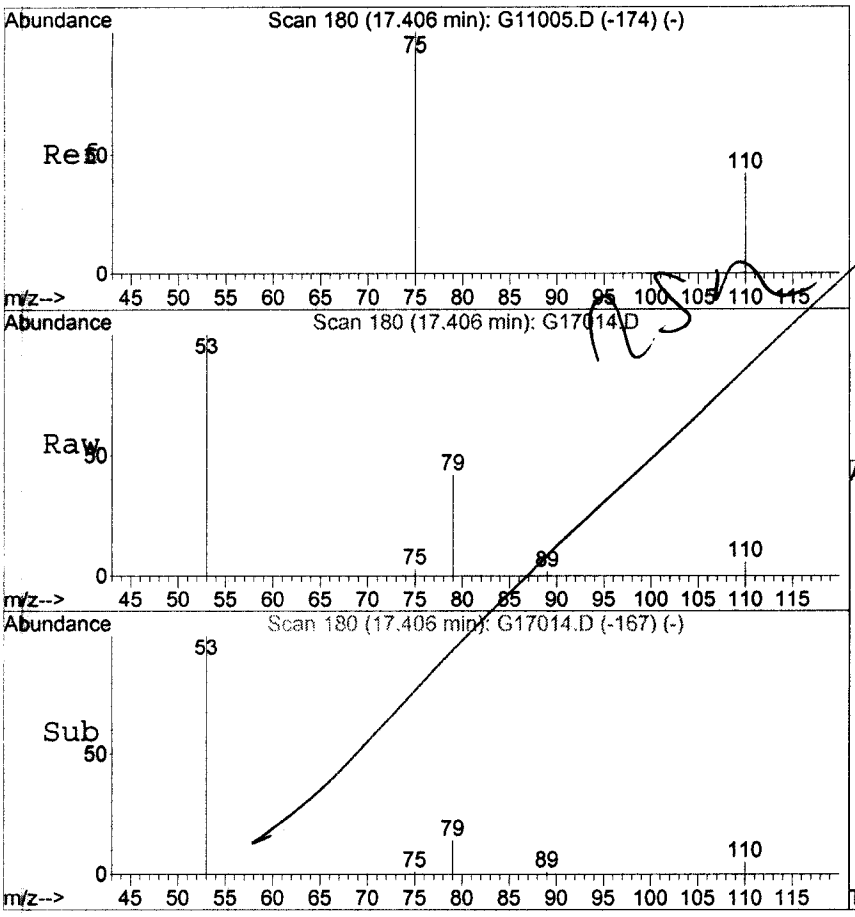
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17014.D
Acq On : 17 Jul 2007 6:47 pm
Sample : CQG0475-05
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 14
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration

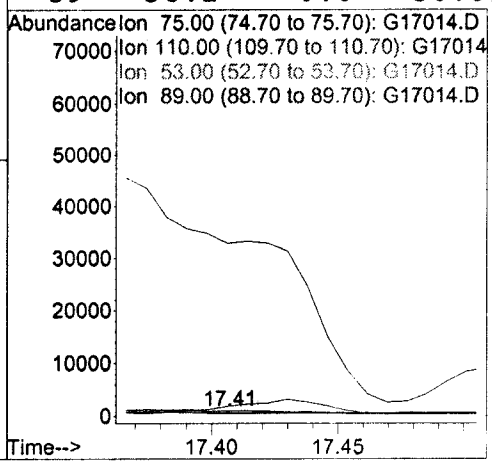




#2
1,2,3-Trichloropropane
Concen: 3.54 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G17014.D
Acq: 17 Jul 2007 6:47 pm

Tgt Ion: 75 Resp: 1107

Ion	Ratio	Lower	Upper
75	100		
110	765.6	11.2	71.2#
53	0.0	0.0	30.0
89	36.2	0.0	30.8#



1,2,3-Trichloropropane by GC/MS Calibration Verification Check

7/18/07

File: G17019.D **Instrument:** GCMS39
Operator: PM

Date: 17 Jul 2007 9:29 pm **QC BATCH # :** CCV

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	47.41	94.8	80-120

* Denotes values out of expected range

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL17\G17019.D
Acq On : 17 Jul 2007 9:29 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P

Vial: 19
Operator: PM
Inst : GCMS39
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,2,3-TCP-d5 (IS)	1.000	1.000	0.0	97	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.859	5.2	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL17\G17019.D
Acq On : 17 Jul 2007 9:29 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 18 08:28:41 2007

Vial: 19
Operator: PM
Inst : GCMS39
Multiplr: 1.00
Quant Results File: 123-TCP071107.R

Quant Method : C:\MSDCHEM\1...\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration
DataAcq Meth : 123-TCP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	19524	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	16765	47.41 ng/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

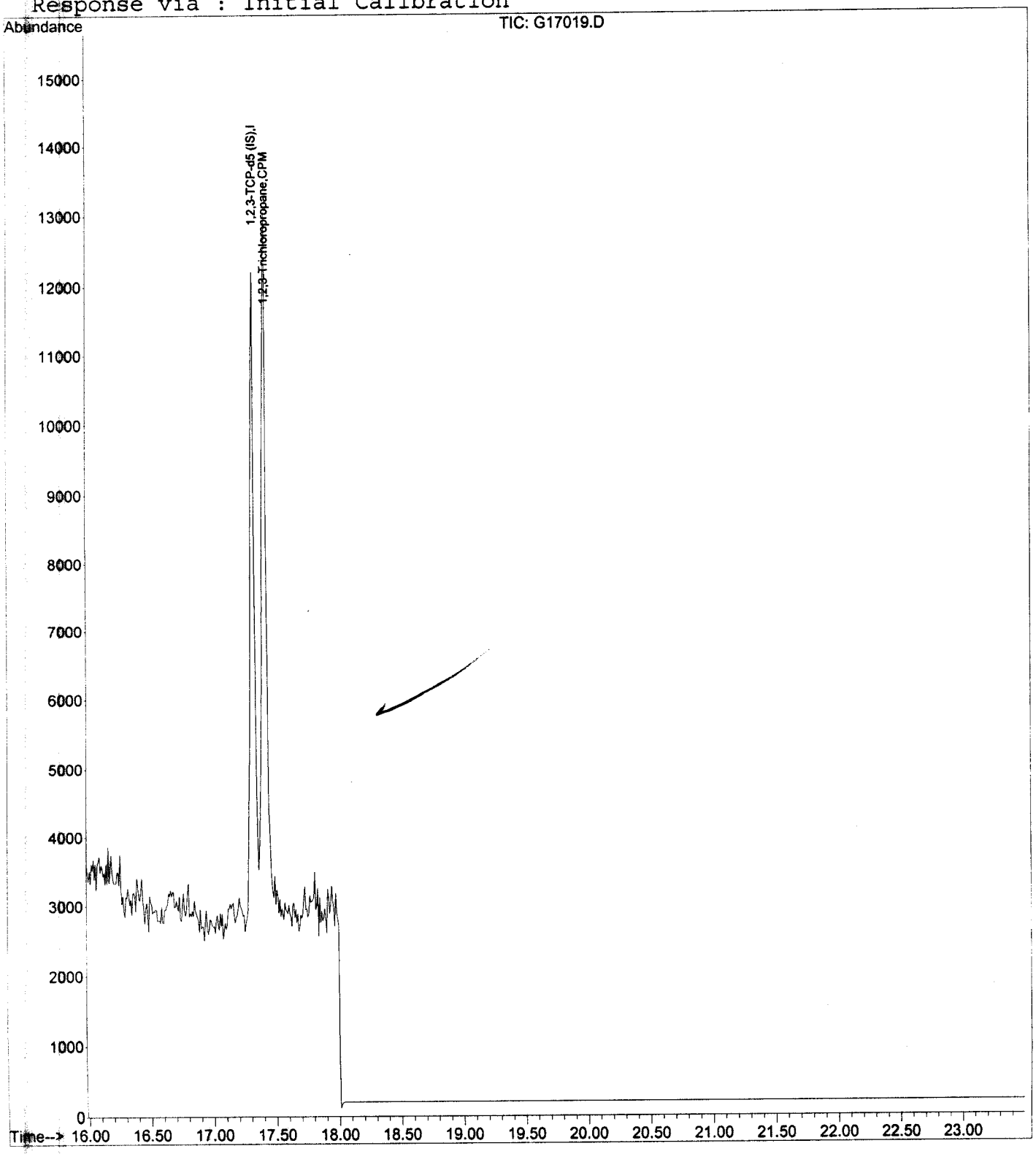
Quantitation Report (Not Reviewed)

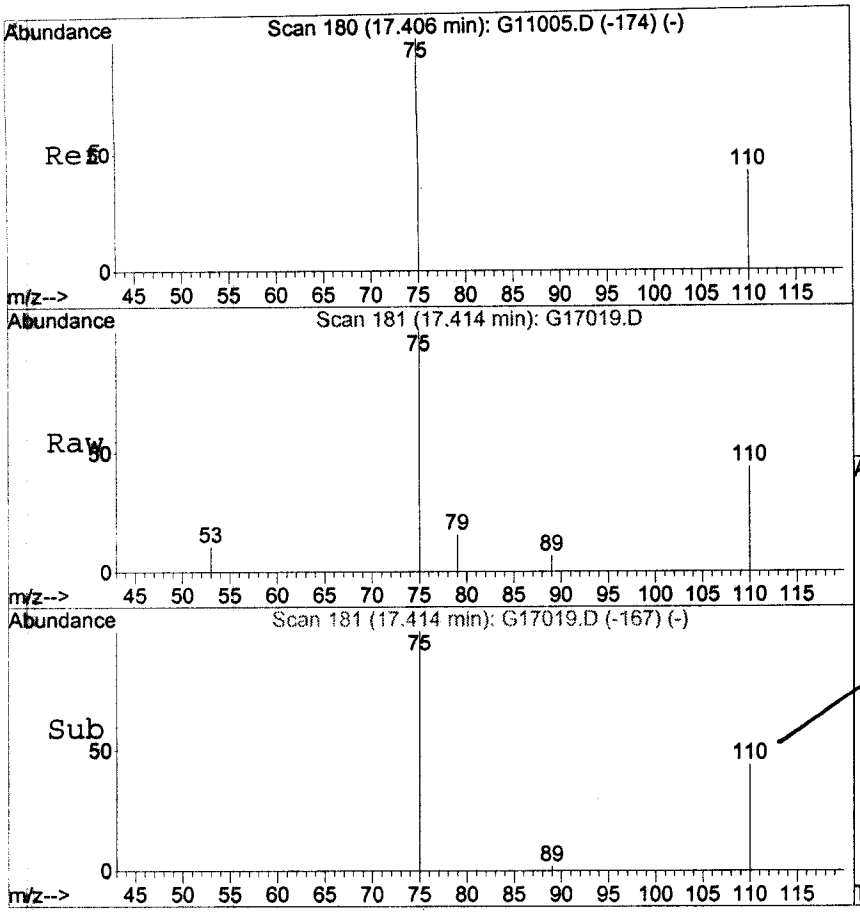
Data File : C:\DATA\07JUL17\G17019.D
Acq On : 17 Jul 2007 9:29 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 18 8:28 2007

Vial: 19
Operator: PM
Inst : GCMS39
Multiplr: 1.00

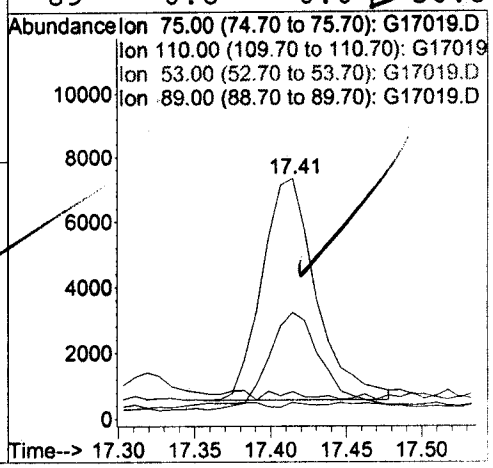
Quant Results File: 123-TCP07110

Method : C:\MSDCHEM\1\METHODS\123-TCP071107.M (RTE Integrator)
Title : 1,2,3-TCP by GCMS SIM
Last Update : Thu Jul 12 12:36:02 2007
Response via : Initial Calibration





#2
1,2,3-Trichloropropane
Concen: 47.41 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G17019.D
Acq: 17 Jul 2007 9:29 pm

Tgt Ion: 75 Resp: 16765

Ion	Ratio	Lower	Upper
75	100		
110	41.3	11.2	71.2
53	2.7	0.0	30.0
89	0.6	0.0	30.8