TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

SAMPLED: 07/09/07

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

TestAmerica
ANALYTICAL TESTING CORPORATION

CASE NARRATIVE

Client:	GPL Laboratories	**Date Sampled:**	7/9/2007
Project:	Omega Chemical OU-2 SSID-BC Omega Chemical 335392.FI.01	**Date Received:**	7/9/2007
Lab:	IQG0607		

SAMPLE RECEIPT: Samples were received intact, on ice, with chain of custody documentation. The sample temperature was measured at 3° C upon receipt at the laboratory.

HOLDING TIMES: All samples were analyzed within holding times.

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 7G09092. See LCS.

There was no MS/MSD analyzed with EPA 1625C-CI Mod QC batch 7G10045 due to insufficient sample volume. See LCS/LCSD.

There was no MS/MSD analyzed with EPA 1625C-CI Mod QC batch 7G12056 due to insufficient sample volume. See LCS/LCSD.

OBSERVATIONS: No significant observations were made.

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
AFC

17461 Derian Avenue. Suite 100 Irvine, CA 92614 (949) 261-1022 (949) 260-3297

The case narrative is an integral part of the report. 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

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: 07/09/07
Received: 07/09/07
Revised: 07/28/07 10:23

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
IQG0607-01	OC2-MW24D-W-0-577	Water
IQG0607-02	OC2-MW24C-W-0-578	Water
IQG0607-03	OC2-MW24B-W-0-579	Water
IQG0607-04	OC2-MW24A-W-0-580	Water
IQG0607-05	OC2-MW24A-W-1-581	Water

Reviewed By:

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

CHAIN OF CUSTODY FORM

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

SUBCONTRACT ORDER

TestAmerica - Irvine, CA

IQG0607

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: IQG0607-01	**Water**		Sampled: **07/09/07 09:08**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:08	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:08	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-02	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-03	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-04	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-05	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					

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

DMCOC

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1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY FORM

IQ70607

Client Name/Address: CH2M HILL

Project/PO Number: OMEGA CHEMICAL OU-2

Project Manager: DAN JADLOWSKI

Phone Number: 213-228-8271

Sampler: MIKE LADEAU

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	NDMA	123-TCP	HEXAVALENT CHROMIUM	COD						Special Instructions
OC2-MW24D-W-0-577	GW	VAR	7	7-9-07	0908	VAR	X	X	X	X						
OC2-MW24C-W-0-578	GW	VAR	7	7-9-07	0955	VAR										
OC2-MW24B-W-0-579	"	"	"	"	"	"										
OC2-MW-24A-W-0-580	"	"	"	"	"	"										
OC2-MW24A-W-1-581	"	"	"	"	"	"										
																HE 7-9-07 1855

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	7-9-07 / 1450	[signature]	
[signature]	7/9/07 1740	[signature]	7/9/07 1740
Relinquished By:	Date/Time:	~~Received in Lab By:~~	Date/Time:

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

Sample Integrity: (Check)
intact X on ice 3°

Note: By relinquishing samples to TestAmerica, 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.

2411 (cooler

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

ANALYTICAL REPORT

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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: IQG0607

Sampled: 07/09/07
Received: 07/09/07

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IQG0607-01RE1 (OC2-MW24D-W-0-577 - Water)									
Reporting Units: ug/l									
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G12056	N/A	0.0019	ND	0.962	07/12/07	07/14/07	
Sample ID: IQG0607-02 (OC2-MW24C-W-0-578 - Water)									
Reporting Units: ug/l									
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G10045	N/A	0.0019	ND	0.943	07/10/07	07/11/07	
Sample ID: IQG0607-03 (OC2-MW24B-W-0-579 - Water)									
Reporting Units: ug/l									
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G10045	N/A	0.0019	ND	0.952	07/10/07	07/11/07	
Sample ID: IQG0607-04 (OC2-MW24A-W-0-580 - Water)									
Reporting Units: ug/l									
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G10045	N/A	0.0020	**0.0023**	1.01	07/10/07	07/11/07	
Sample ID: IQG0607-05 (OC2-MW24A-W-1-581 - Water)									
Reporting Units: ug/l									
N-Nitrosodimethylamine	EPA 1625C-CI Mod	7G10045	N/A	0.0020	ND	1.01	07/10/07	07/11/07	

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: IQG0607

Sampled: 07/09/07
Received: 07/09/07

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IQG0607-01 (OC2-MW24D-W-0-577 - Water)									
Reporting Units: mg/l									
Chemical Oxygen Demand	EPA 410.4	7G11103	N/A	20	ND	1	07/11/07	07/11/07	
Chromium VI	EPA 218.6	7G09092	N/A	0.00030	ND	1	07/09/07	07/09/07	
Sample ID: IQG0607-02 (OC2-MW24C-W-0-578 - Water)									
Reporting Units: mg/l									
Chemical Oxygen Demand	EPA 410.4	7G11103	N/A	20	ND	1	07/11/07	07/11/07	
Chromium VI	EPA 218.6	7G09092	N/A	0.00030	**0.0018**	1	07/09/07	07/09/07	
Sample ID: IQG0607-03 (OC2-MW24B-W-0-579 - Water)									
Reporting Units: mg/l									
Chemical Oxygen Demand	EPA 410.4	7G11103	N/A	20	**22**	1	07/11/07	07/11/07	
Chromium VI	EPA 218.6	7G09092	N/A	0.00030	**0.0013**	1	07/09/07	07/09/07	
Sample ID: IQG0607-04 (OC2-MW24A-W-0-580 - Water)									
Reporting Units: mg/l									
Chemical Oxygen Demand	EPA 410.4	7G11103	N/A	20	ND	1	07/11/07	07/11/07	
Chromium VI	EPA 218.6	7G09092	N/A	0.00030	**0.0033**	1	07/09/07	07/09/07	
Sample ID: IQG0607-05 (OC2-MW24A-W-1-581 - Water)									
Reporting Units: mg/l									
Chemical Oxygen Demand	EPA 410.4	7G11103	N/A	20	ND	1	07/11/07	07/11/07	
Chromium VI	EPA 218.6	7G09092	N/A	0.00030	**0.0034**	1	07/09/07	07/09/07	

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Omega Chemical 335392.FI.01
Report Number: IQG0607

Sampled: 07/09/07
Received: 07/09/07

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: IQG0607-01 (OC2-MW24D-W-0-577 - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1202	N/A	5.0	ND	1	07/12/07	07/12/07	
Sample ID: IQG0607-02 (OC2-MW24C-W-0-578 - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1202	N/A	5.0	ND	1	07/12/07	07/12/07	
Sample ID: IQG0607-03 (OC2-MW24B-W-0-579 - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	
Sample ID: IQG0607-04 (OC2-MW24A-W-0-580 - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	
Sample ID: IQG0607-05 (OC2-MW24A-W-1-581 - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	

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Project ID: Omega Chemical OU-2 SSID-BC
Omega Chemical 335392.FI.01
Report Number: IQG0607

Sampled: 07/09/07
Received: 07/09/07

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: OC2-MW24D-W-0-577 (IQG0607-01) - Water					
EPA 218.6	1	07/09/2007 09:08	07/09/2007 17:40	07/09/2007 20:00	07/09/2007 20:38
Sample ID: OC2-MW24C-W-0-578 (IQG0607-02) - Water					
EPA 218.6	1	07/09/2007 09:55	07/09/2007 17:40	07/09/2007 20:00	07/09/2007 20:53
Sample ID: OC2-MW24B-W-0-579 (IQG0607-03) - Water					
EPA 218.6	1	07/09/2007 09:55	07/09/2007 17:40	07/09/2007 20:00	07/09/2007 22:00
Sample ID: OC2-MW24A-W-0-580 (IQG0607-04) - Water					
EPA 218.6	1	07/09/2007 09:55	07/09/2007 17:40	07/09/2007 20:00	07/09/2007 22:15
Sample ID: OC2-MW24A-W-1-581 (IQG0607-05) - Water					
EPA 218.6	1	07/09/2007 09:55	07/09/2007 17:40	07/09/2007 20:00	07/09/2007 22:26

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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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Attention: Pat Huebschman

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Omega Chemical 335392.FI.01
Report Number: IQG0607

Sampled: 07/09/07
Received: 07/09/07

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 7G10045 Extracted: 07/10/07											
Blank Analyzed: 07/11/2007 (7G10045-BLK1)											
N-Nitrosodimethylamine	ND	0.0020	N/A	ug/l							
LCS Analyzed: 07/11/2007 (7G10045-BS1)											**MNR1**
N-Nitrosodimethylamine	0.0110	0.0020	N/A	ug/l	0.0100		110	60-140			
LCS Analyzed: 07/11/2007 (7G10045-BS2)											
N-Nitrosodimethylamine	0.00216	0.0020	N/A	ug/l	0.00200		108	60-140			
LCS Dup Analyzed: 07/11/2007 (7G10045-BSD1)											
N-Nitrosodimethylamine	0.0106	0.0020	N/A	ug/l	0.0100		106	60-140	3	30	
Batch: 7G12056 Extracted: 07/12/07											
Blank Analyzed: 07/14/2007 (7G12056-BLK1)											
N-Nitrosodimethylamine	ND	0.0020	N/A	ug/l							
LCS Analyzed: 07/14/2007 (7G12056-BS1)											**MNR1**
N-Nitrosodimethylamine	0.00933	0.0020	N/A	ug/l	0.0100		93	60-140			
LCS Analyzed: 07/14/2007 (7G12056-BS2)											
N-Nitrosodimethylamine	0.00195	0.0020	N/A	ug/l	0.00200		97	60-140			
LCS Dup Analyzed: 07/14/2007 (7G12056-BSD1)											
N-Nitrosodimethylamine	0.00952	0.0020	N/A	ug/l	0.0100		95	60-140	2	30	

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Report Number: IQG0607

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 7G09092 Extracted: 07/09/07											
Blank Analyzed: 07/09/2007 (7G09092-BLK1)											
Chromium VI	ND	0.00030	N/A	mg/l							
LCS Analyzed: 07/09/2007 (7G09092-BS1)											
Chromium VI	0.0507	0.00030	N/A	mg/l	0.0500		101	90-110			
Matrix Spike Analyzed: 07/09/2007 (7G09092-MS1)						**Source: IQG0597-01**					
Chromium VI	0.0573	0.00030	N/A	mg/l	0.0500	ND	115	90-110			*M1*
Matrix Spike Dup Analyzed: 07/09/2007 (7G09092-MSD1)						**Source: IQG0597-01**					
Chromium VI	0.0536	0.00030	N/A	mg/l	0.0500	ND	107	90-110	7	10	
Batch: 7G11103 Extracted: 07/11/07											
Blank Analyzed: 07/11/2007 (7G11103-BLK1)											
Chemical Oxygen Demand	ND	20	N/A	mg/l							
LCS Analyzed: 07/11/2007 (7G11103-BS1)											
Chemical Oxygen Demand	498	20	N/A	mg/l	500		100	90-110			
Duplicate Analyzed: 07/11/2007 (7G11103-DUP1)						**Source: IQG0792-01**					
Chemical Oxygen Demand	88.4	20	N/A	mg/l		96.3			8	15	
Matrix Spike Analyzed: 07/11/2007 (7G11103-MS1)						**Source: IQG0792-01**					
Chemical Oxygen Demand	542	20	N/A	mg/l	500	96.3	89	70-120			
Matrix Spike Dup Analyzed: 07/11/2007 (7G11103-MSD1)						**Source: IQG0792-01**					
Chemical Oxygen Demand	547	20	N/A	mg/l	500	96.3	90	70-120	1	15	

TestAmerica - Irvine, CA

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GPL Laboratories	Project ID: Omega Chemical OU-2 SSID-BC	
7210-A Corporate Court	Omega Chemical 335392.FI.01	Sampled: 07/09/07
Frederick, MD 21703	Report Number: IQG0607	Received: 07/09/07
Attention: Pat Huebschman		

DATA QUALIFIERS AND DEFINITIONS

M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Received: 07/09/07

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: C7G1202 Extracted: 07/12/07											
Blank Analyzed: 07/12/2007 (C7G1202-BLK1)											
1,2,3-Trichloropropane (123-TCP)	ND	5.0	N/A	ng/L							
LCS Analyzed: 07/12/2007 (C7G1202-BS1)											
1,2,3-Trichloropropane (123-TCP)	4.66	5.0	N/A	ng/L	5.00		93	80-120			
Matrix Spike Analyzed: 07/12/2007 (C7G1202-MS1)					**Source: CQG0050-01**						
1,2,3-Trichloropropane (123-TCP)	54.3	5.0	N/A	ng/L	50.0	9.74	89	52-135			
Matrix Spike Dup Analyzed: 07/12/2007 (C7G1202-MSD1)					**Source: CQG0050-01**						
1,2,3-Trichloropropane (123-TCP)	57.5	5.0	N/A	ng/L	50.0	9.74	96	52-135	6	27	
Batch: C7G1605 Extracted: 07/16/07											
Blank Analyzed: 07/16/2007 (C7G1605-BLK1)											
1,2,3-Trichloropropane (123-TCP)	ND	5.0	N/A	ng/L							
LCS Analyzed: 07/16/2007 (C7G1605-BS1)											
1,2,3-Trichloropropane (123-TCP)	4.99	5.0	N/A	ng/L	5.00		100	80-120			
Matrix Spike Analyzed: 07/16/2007 (C7G1605-MS1)					**Source: IQG0607-04**						
1,2,3-Trichloropropane (123-TCP)	42.5	5.0	N/A	ng/L	50.0	ND	85	52-135			
Matrix Spike Dup Analyzed: 07/16/2007 (C7G1605-MSD1)					**Source: IQG0607-04**						
1,2,3-Trichloropropane (123-TCP)	46.9	5.0	N/A	ng/L	50.0	ND	94	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
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: IQG0607

Sampled: 07/09/07
Received: 07/09/07

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: IQG0607-01, IQG0607-02, IQG0607-03, IQG0607-04, IQG0607-05

TestAmerica - Irvine, CA

Trevor Brenner
Client Services Manager

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
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

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

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 STD ICAL	–	001	↓						218
3	2 ppb	–	002						RR	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	–	MLCS010							#7060264
11	2 ppb STD ICAL	–	NMA002A					RR		#7060219
12		–	NMA002B					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:	RM	Analyst:	DF
Date:	6/19/07	Analysis Date:	6/14/07
		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

calrpt

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

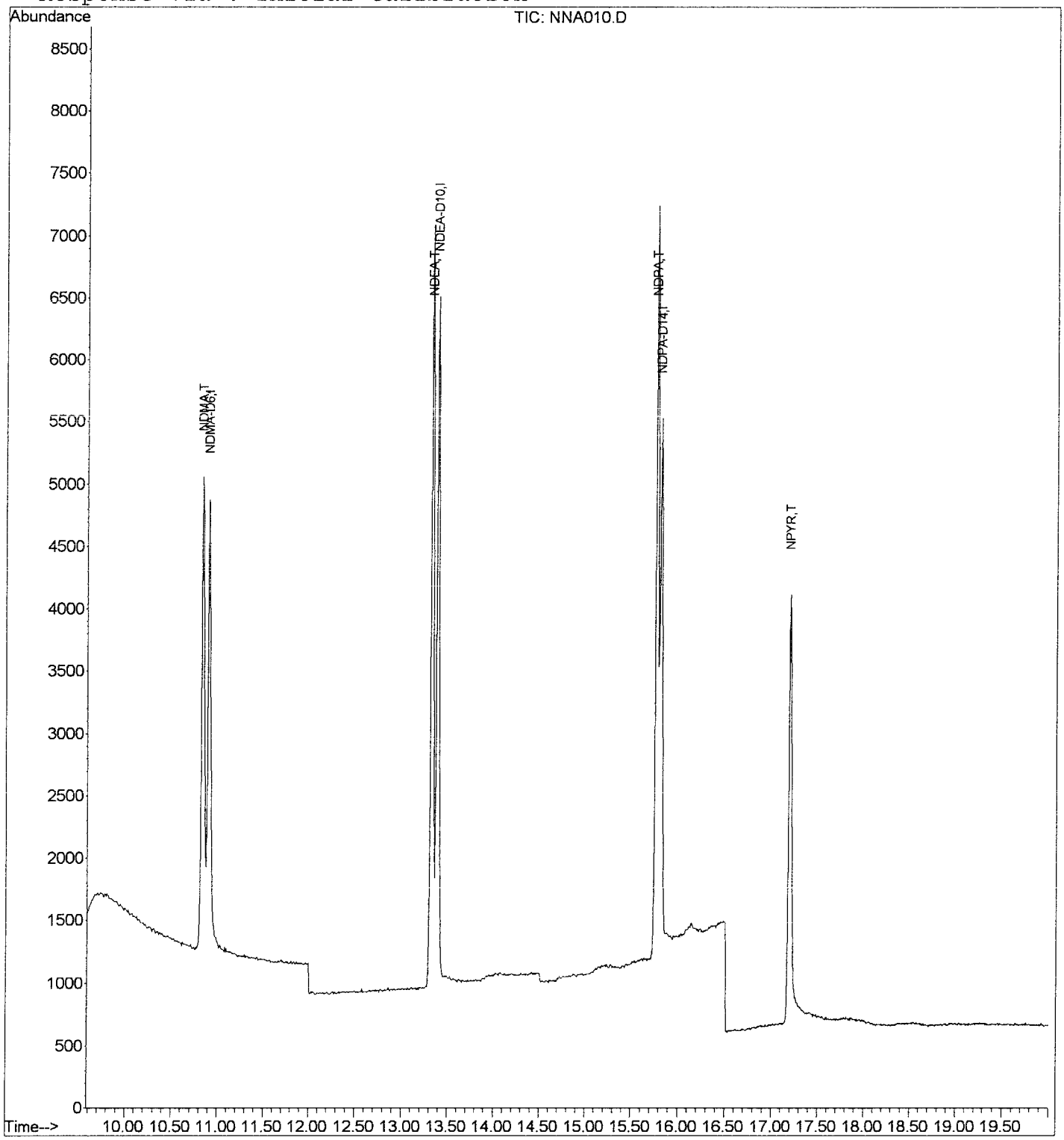
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	2812	10.00 PPB	0.00
3) NDEA-D10	13.37	113	5388	10.00 PPB	0.00
5) NDPA-D14	15.81	145	4883	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.83	92	5938	10.53 PPB	100
4) NDEA	13.32	120	6086	10.61 PPB	99
6) NDPA	15.77	148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

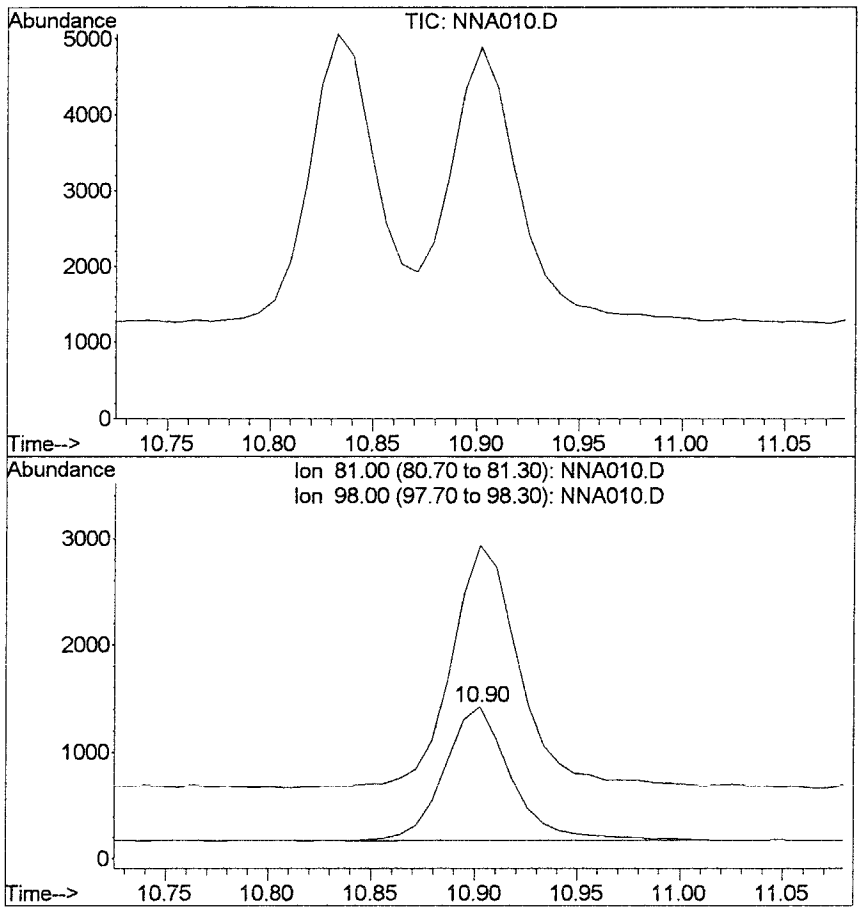
(#) = qualifier out of range (m) = manual integration
NNA010.D C7F14NW.M Thu Jun 14 16:25:33 2007 Page 1

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

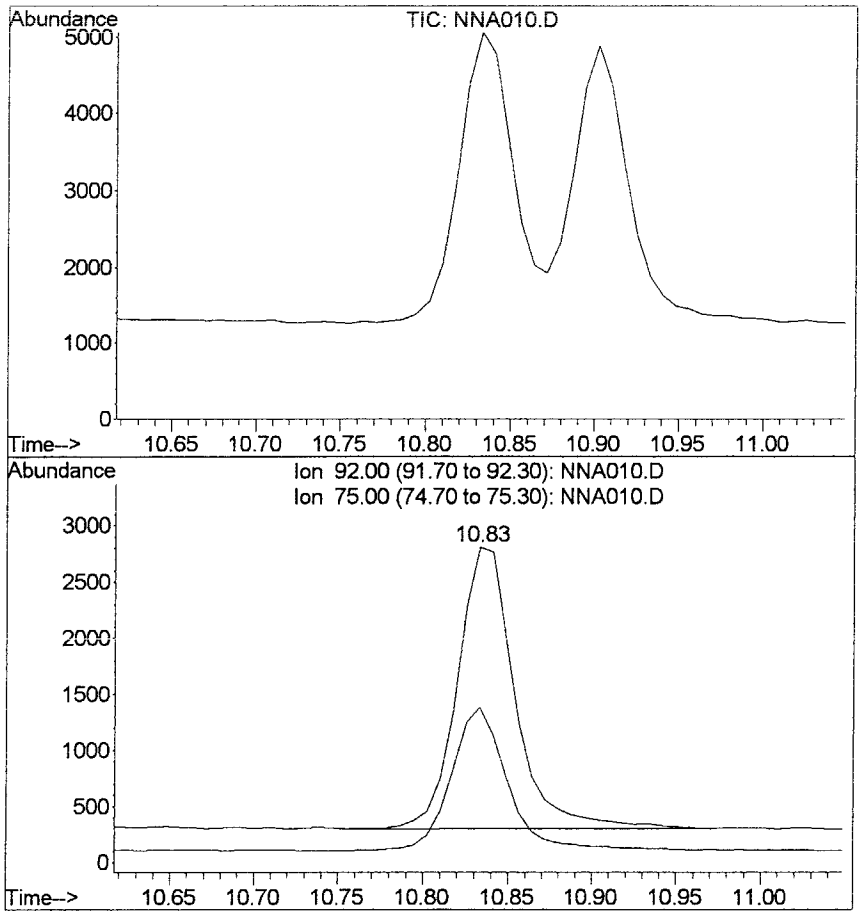




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jun 2007 8:50 am

Tgt Ion: 81 Resp: 2812

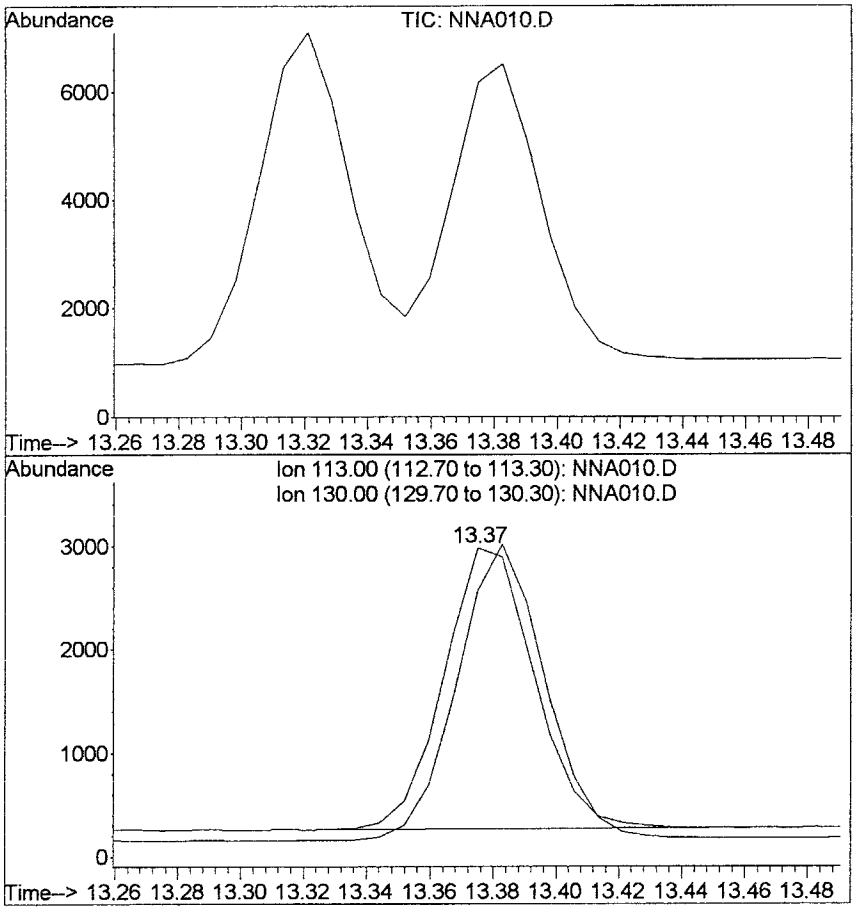
Ion	Ratio	Lower	Upper
81	100		
98	184.5	144.1	224.1



#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

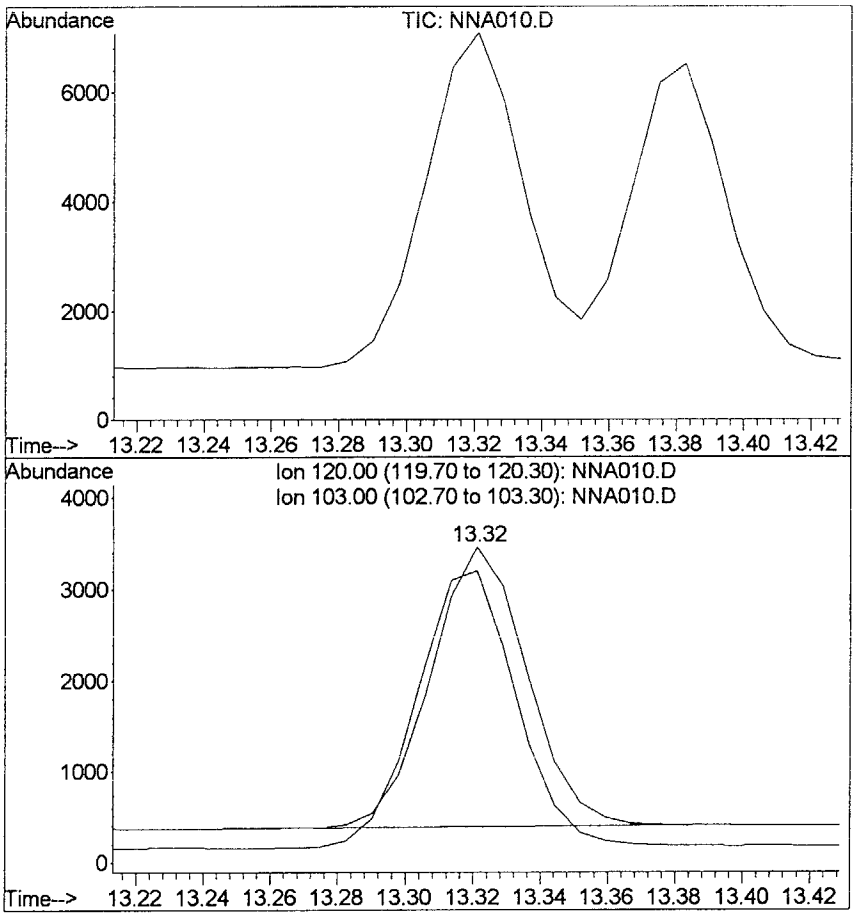
Ion	Ratio	Lower	Upper
92	100		
75	48.9	31.8	66.0



#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

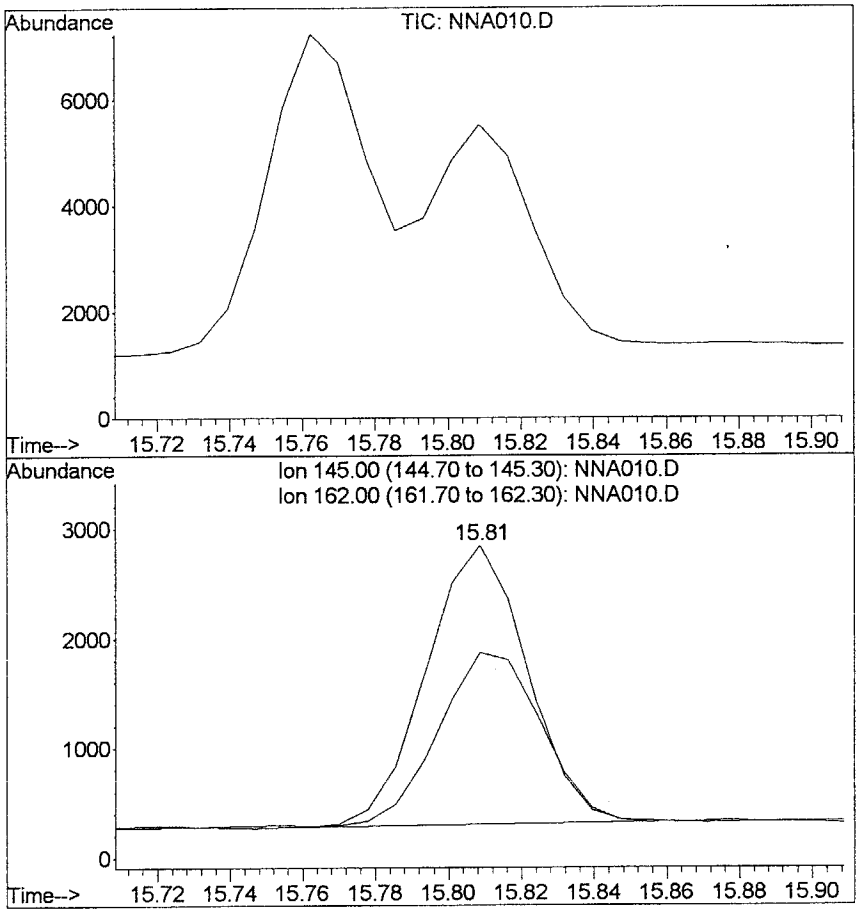
Ion	Ratio	Lower	Upper
113	100		
130	101.6	67.1	137.1



#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

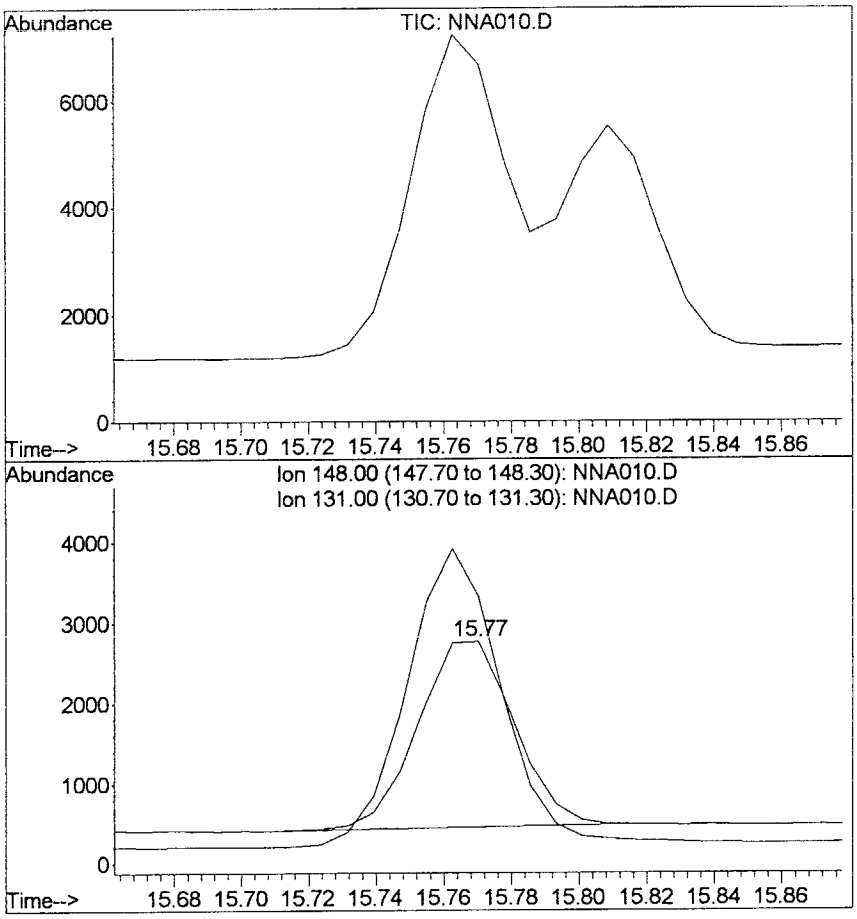
Ion	Ratio	Lower	Upper
120	100		
103	101.4	65.3	135.5



#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

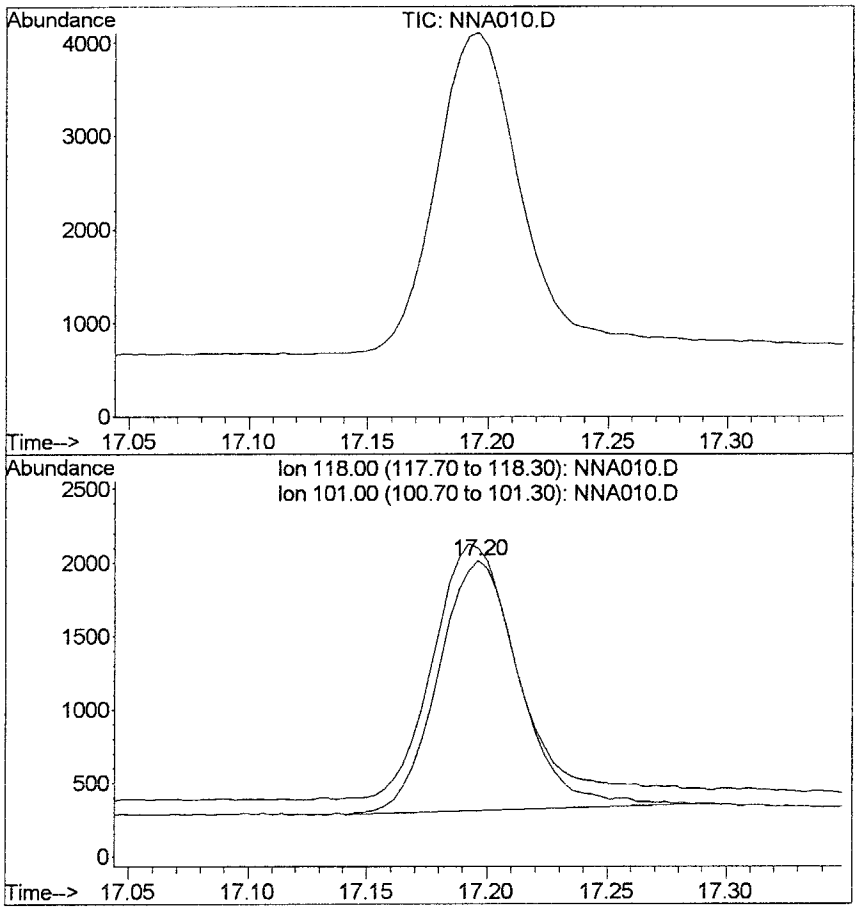
Ion	Ratio	Lower	Upper
145	100		
162	63.1	22.4	102.4



#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 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

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

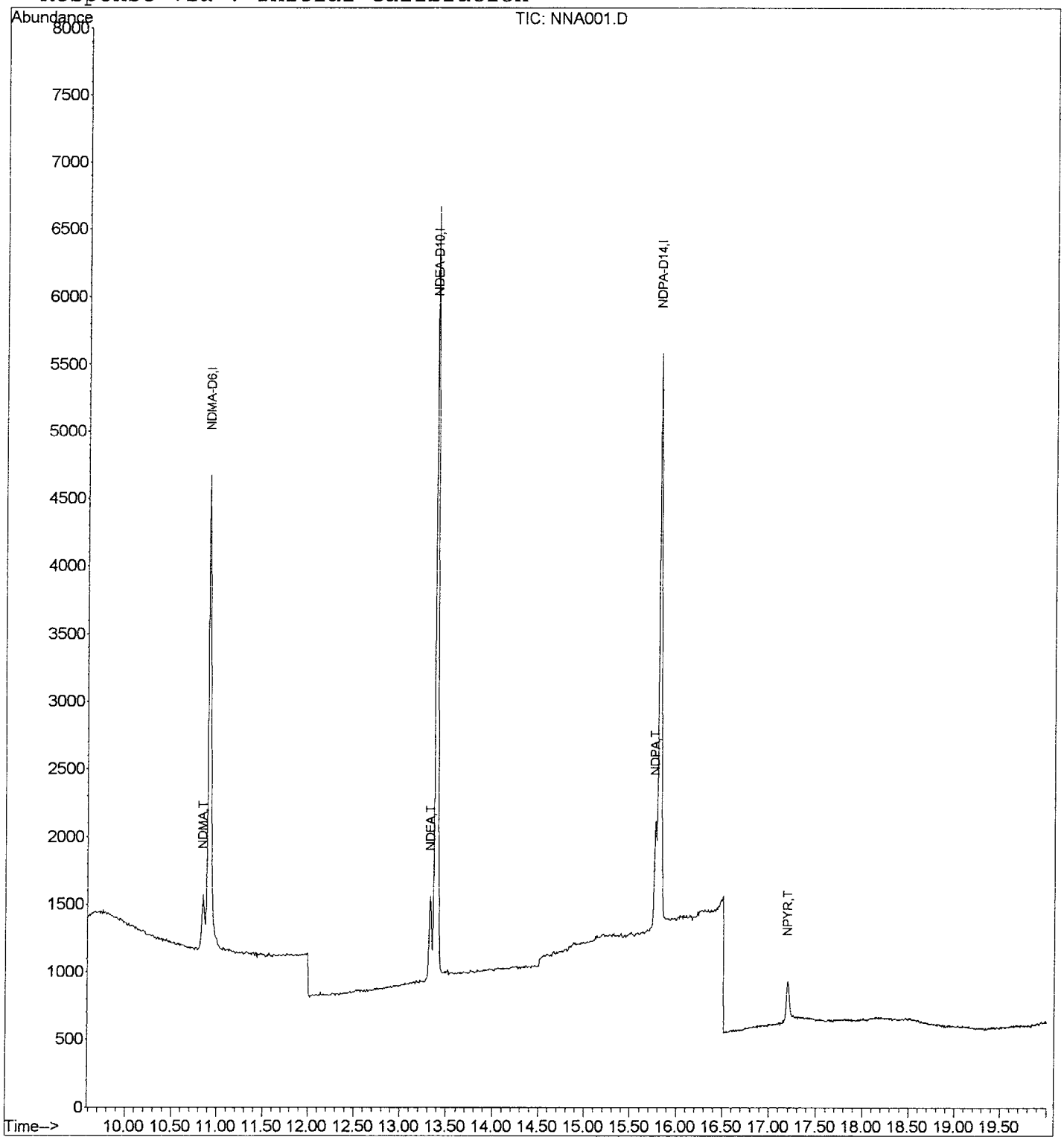
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.90	81	2914	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5557	10.00	PPB	0.00
5) NDPA-D14	15.81	145	4982	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	574	0.98	PPB	98
4) NDEA	13.32	120	627	1.06	PPB	98
6) NDPA	15.76	148	615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

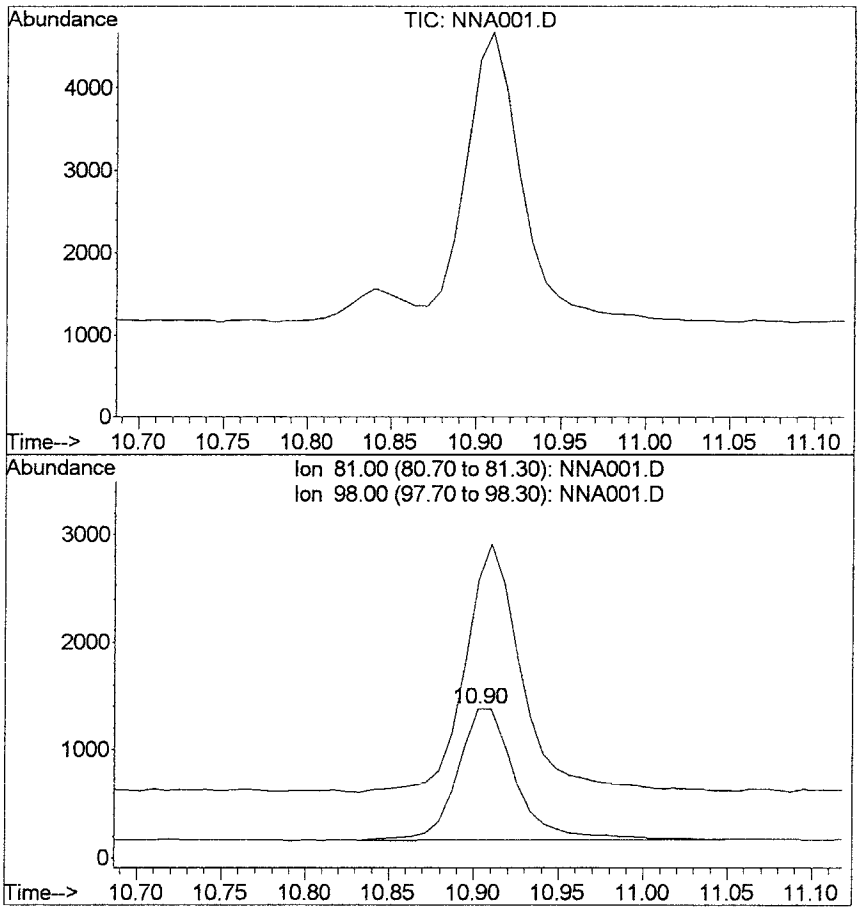
(#) = qualifier out of range (m) = manual integration

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

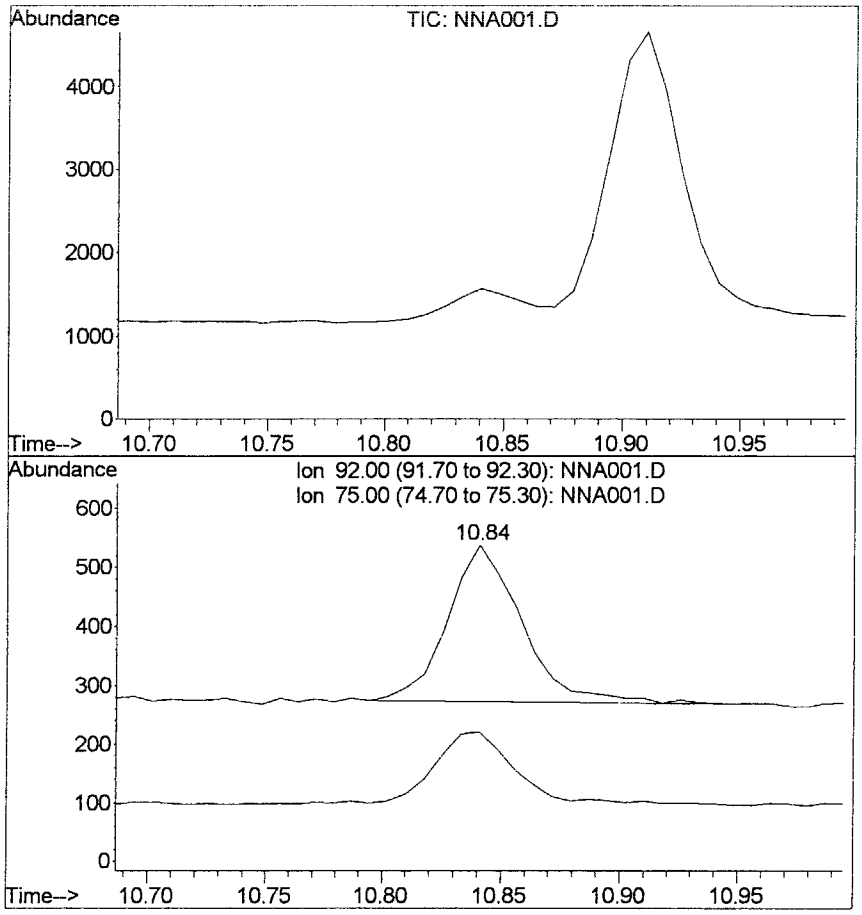




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA001.D
Acq: 14 Jun 2007 9:14 am

Tgt Ion: 81 Resp: 2914

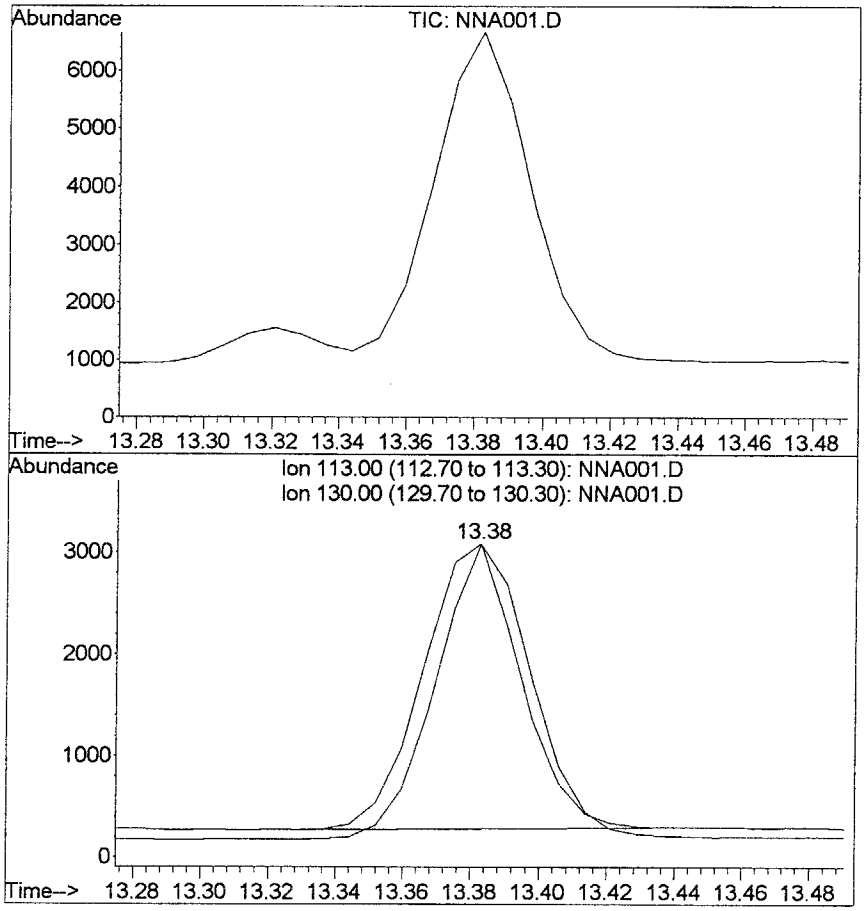
Ion	Ratio	Lower	Upper
81	100		
98	183.6	144.1	224.1



#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

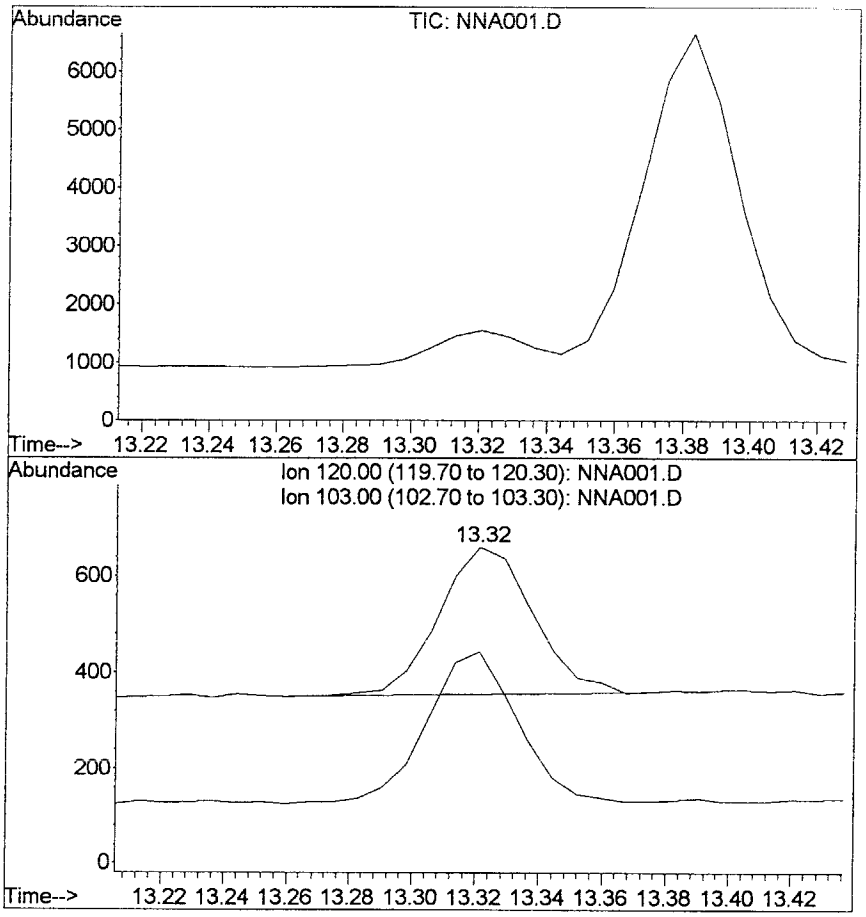
Ion	Ratio	Lower	Upper
92	100		
75	50.2	31.8	66.0



#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

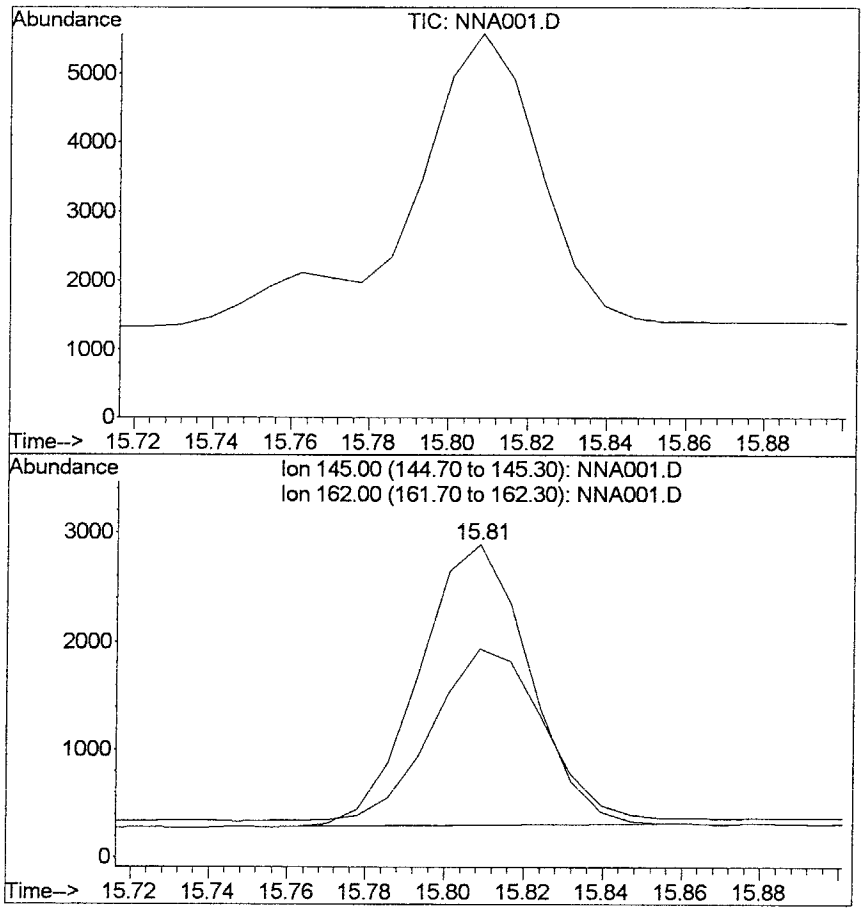
Ion	Ratio	Lower	Upper
113	100		
130	101.2	67.1	137.1



#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

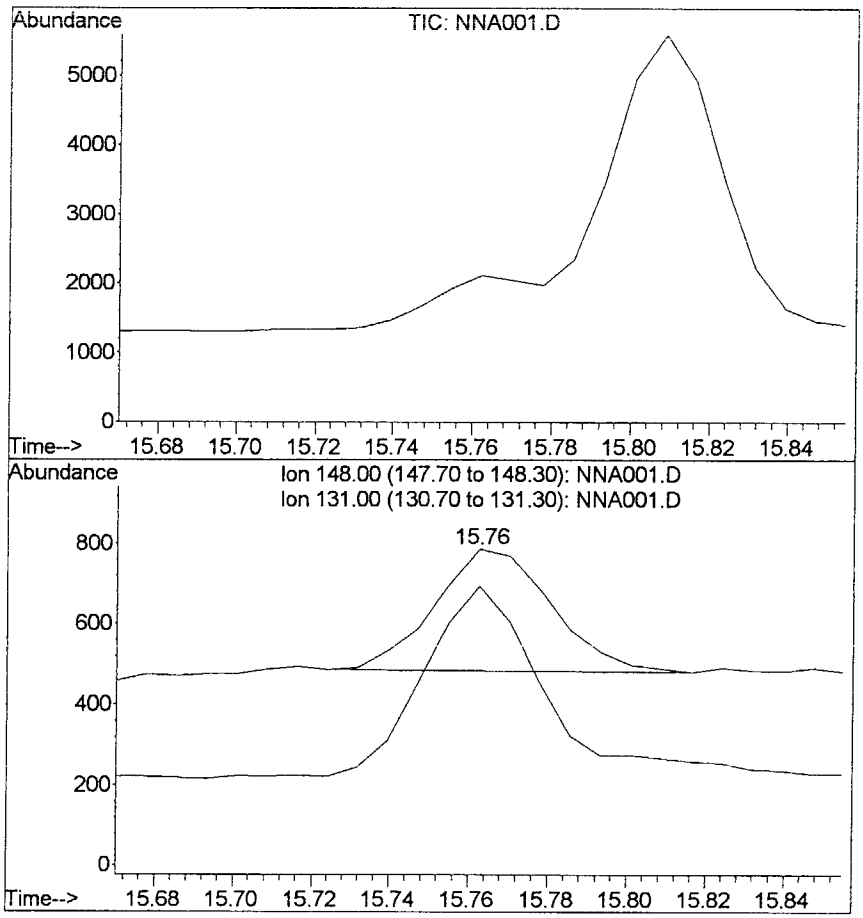
Ion	Ratio	Lower	Upper
120	100		
103	97.9	65.3	135.5



#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

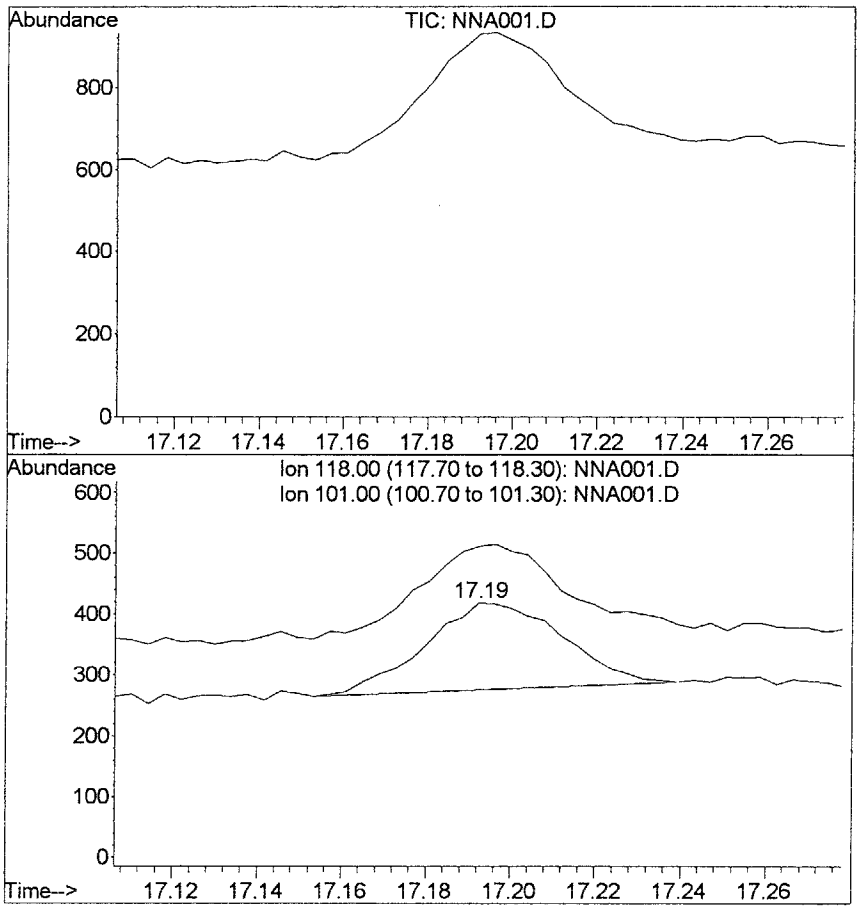
Ion	Ratio	Lower	Upper
145	100		
162	61.1	22.4	102.4



#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 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

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

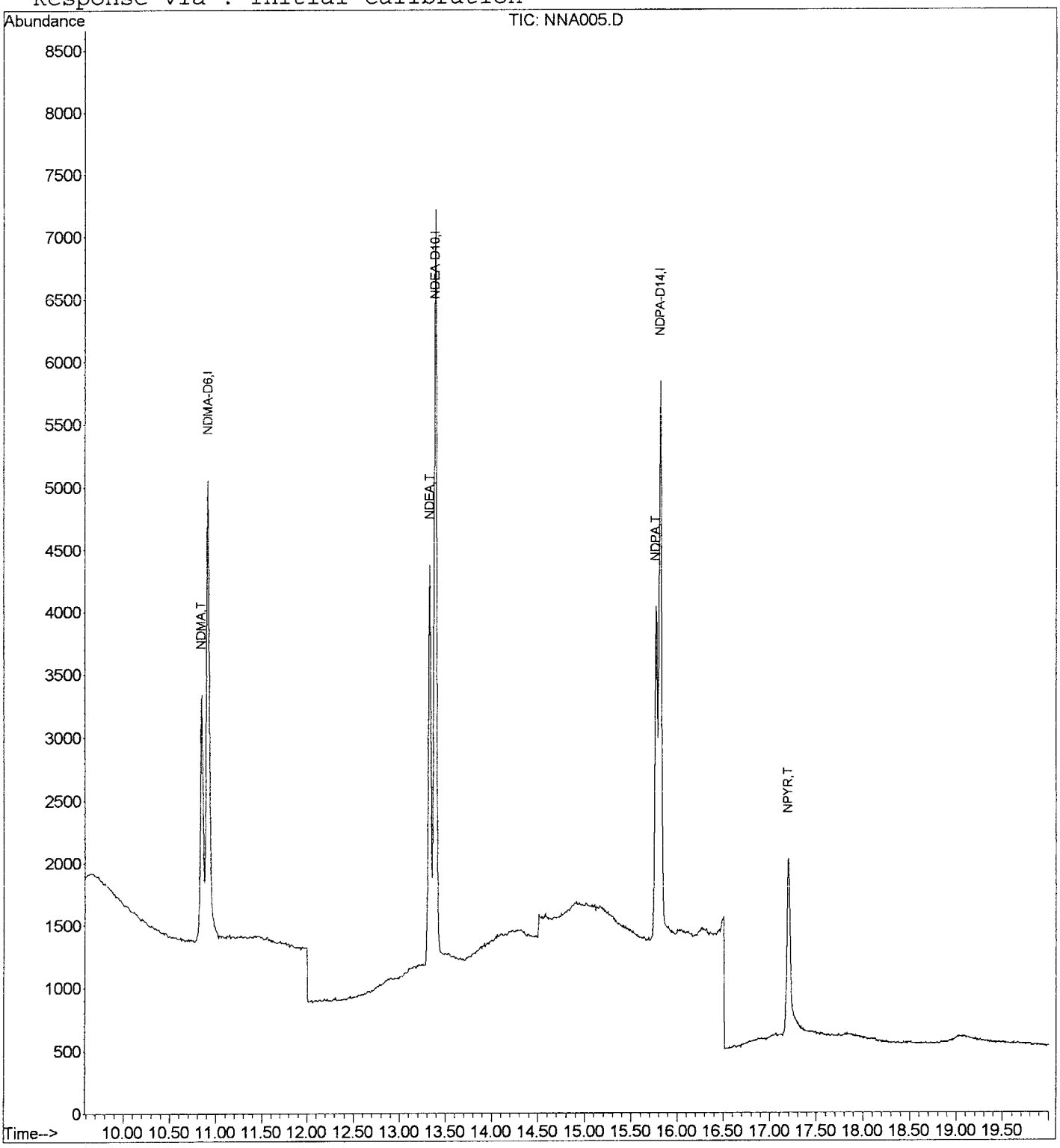
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	3006	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5992	10.00	PPB	0.00
5) NDPA-D14	15.81	145	5087	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	2987	4.95	PPB	99
4) NDEA	13.32	120	3164	4.96	PPB	99
6) NDPA	15.77	148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

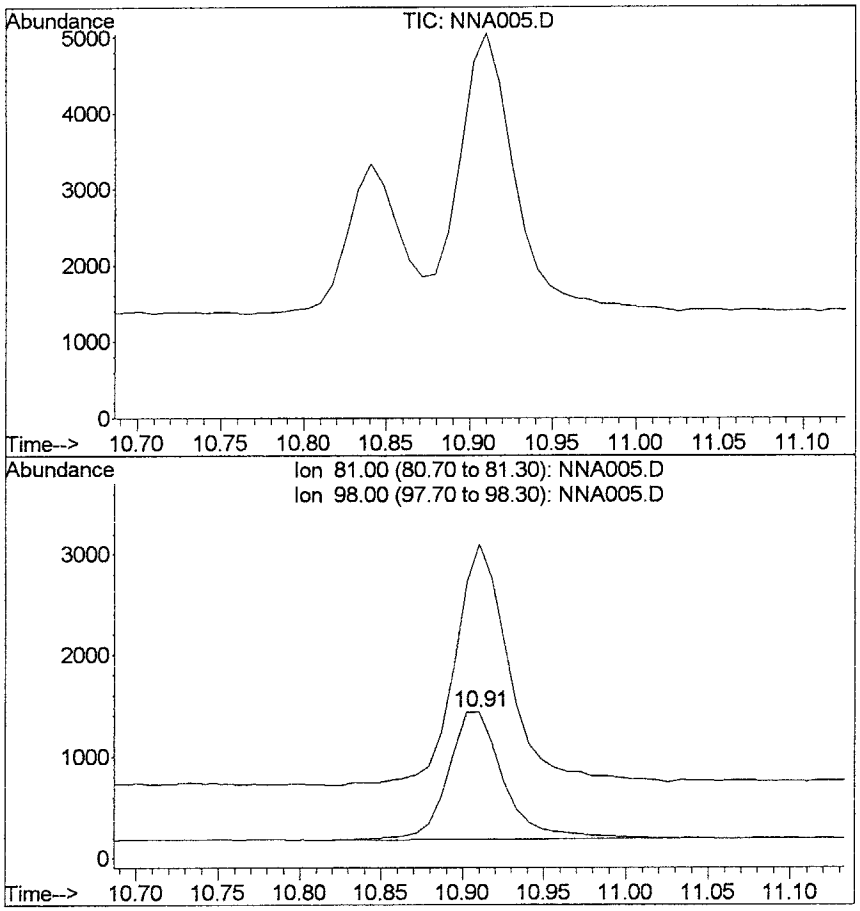
(#) = qualifier out of range (m) = manual integration

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

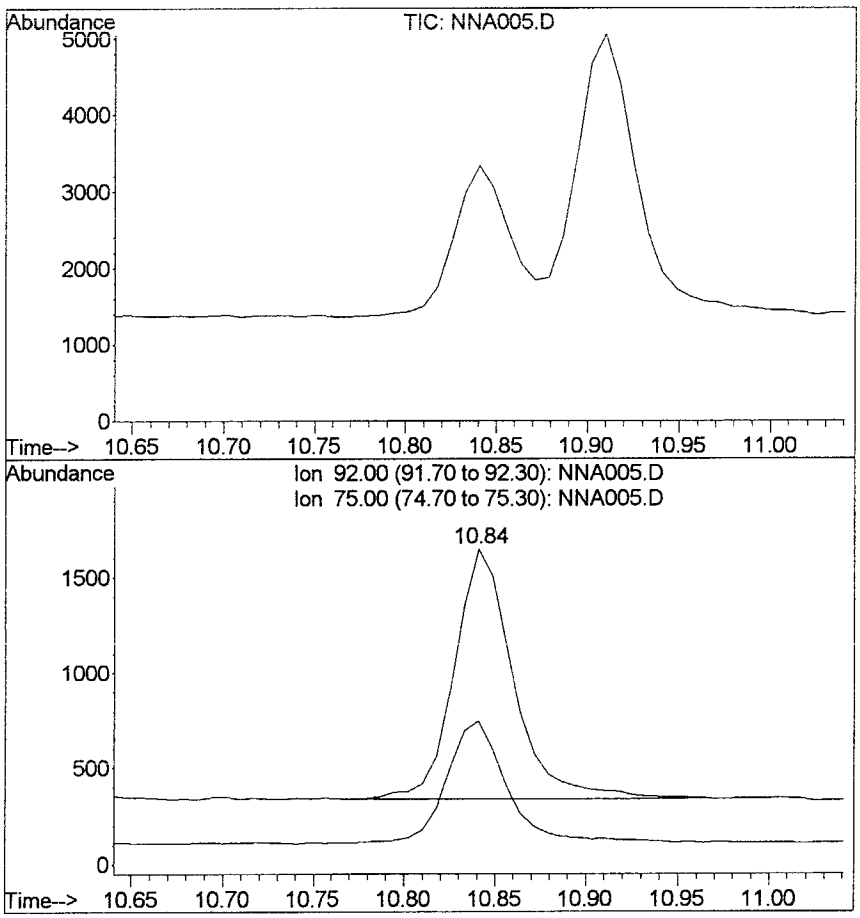




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA005.D
Acq: 14 Jun 2007 10:01 am

Tgt Ion: 81 Resp: 3006

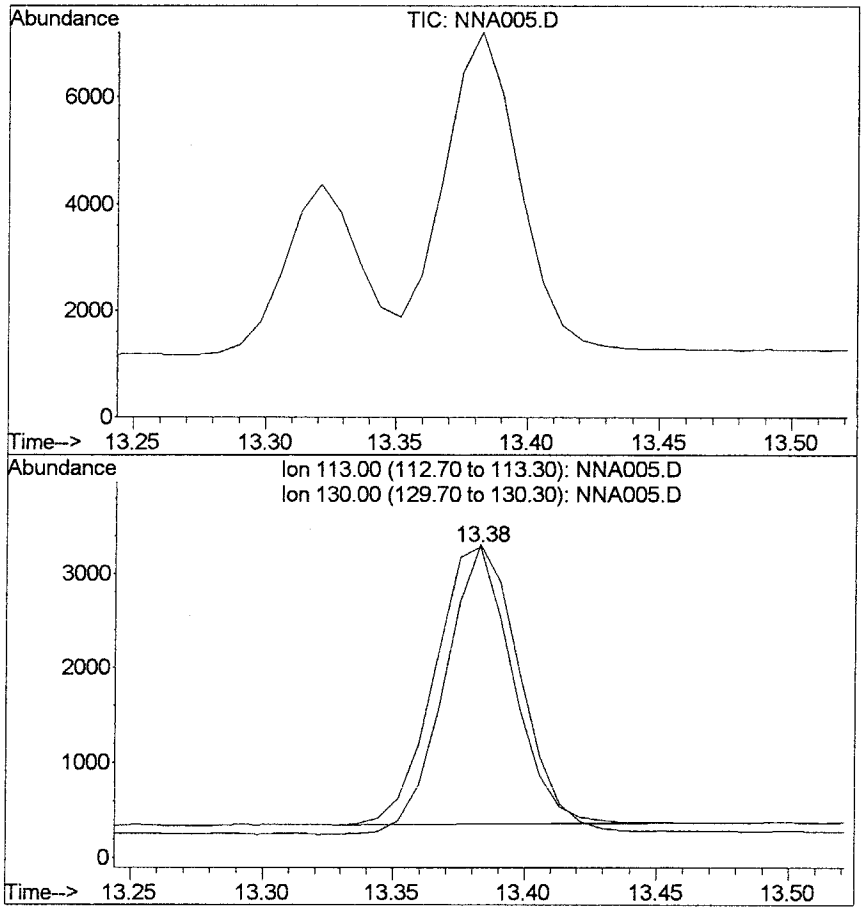
Ion	Ratio	Lower	Upper
81	100		
98	184.3	144.1	224.1



#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

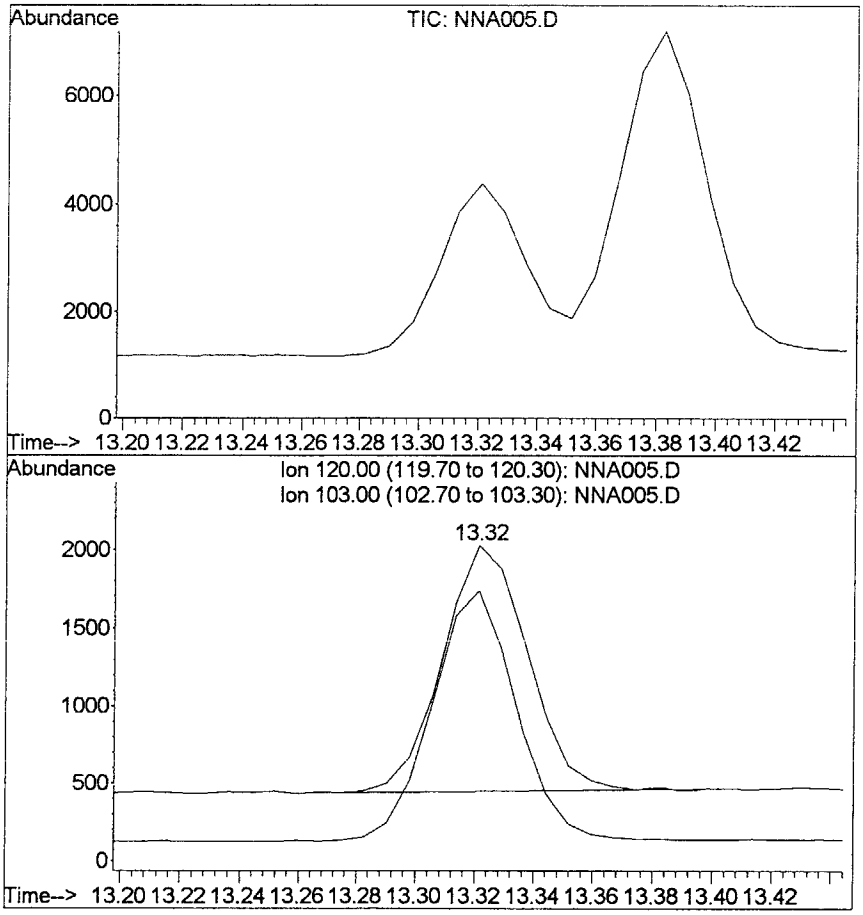
Ion	Ratio	Lower	Upper
92	100		
75	49.8	31.8	66.0



#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

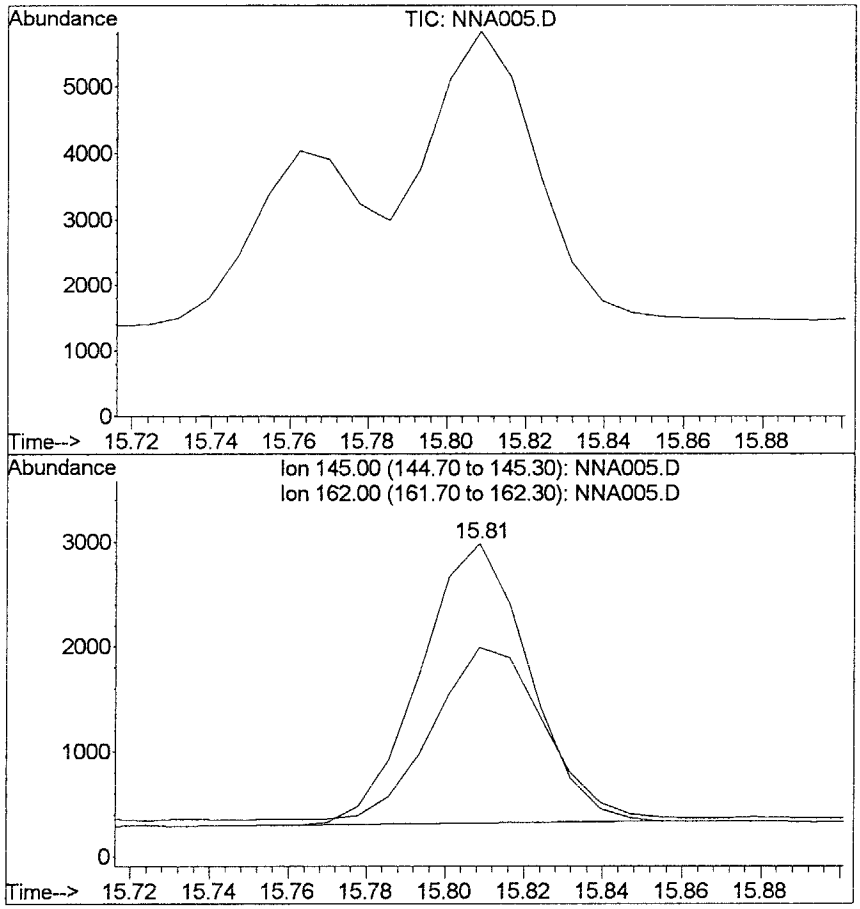
Ion	Ratio	Lower	Upper
113	100		
130	100.3	67.1	137.1



#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

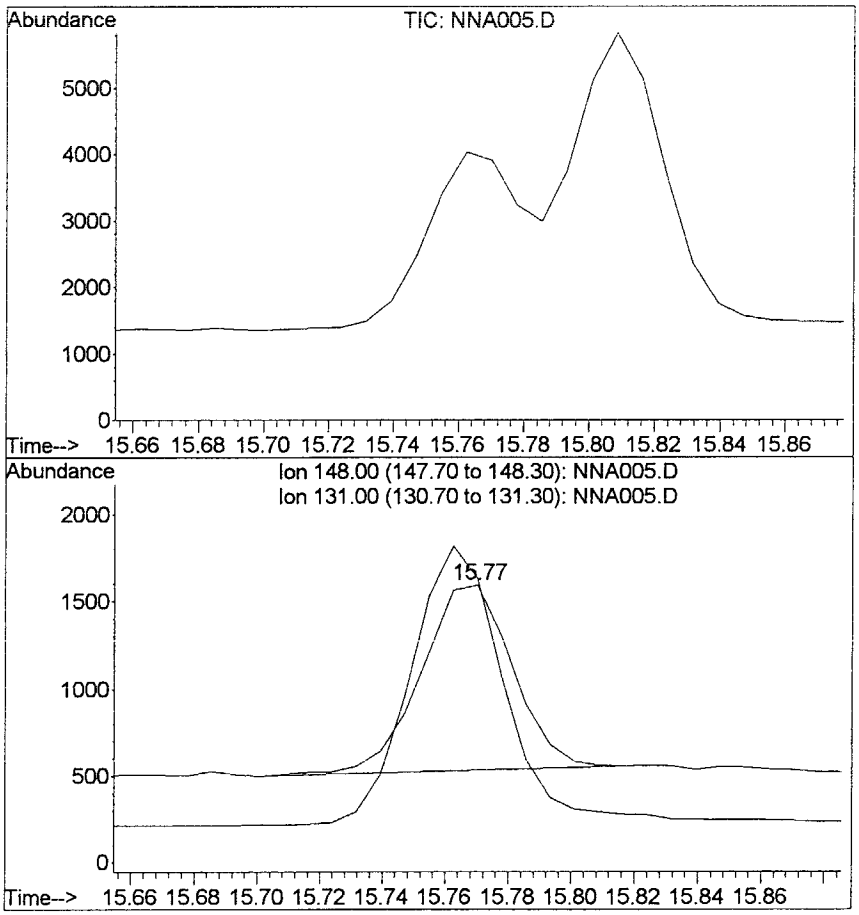
Ion	Ratio	Lower	Upper
120	100		
103	99.8	65.3	135.5



#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

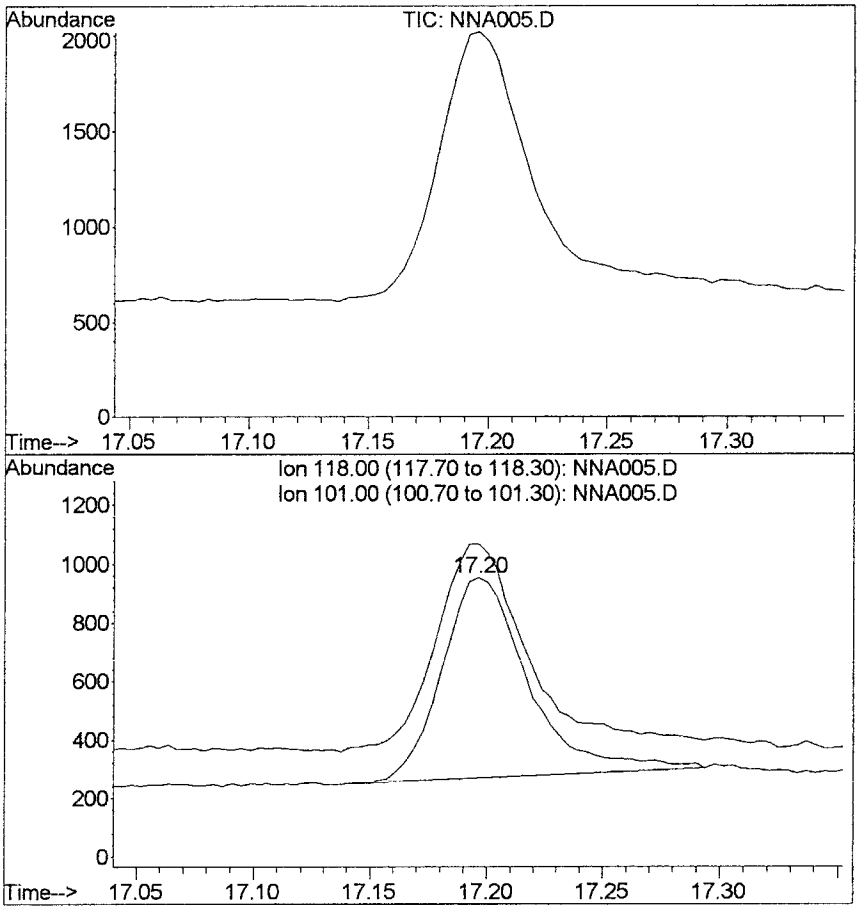
Ion	Ratio	Lower	Upper
145	100		
162	61.9	22.4	102.4



#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

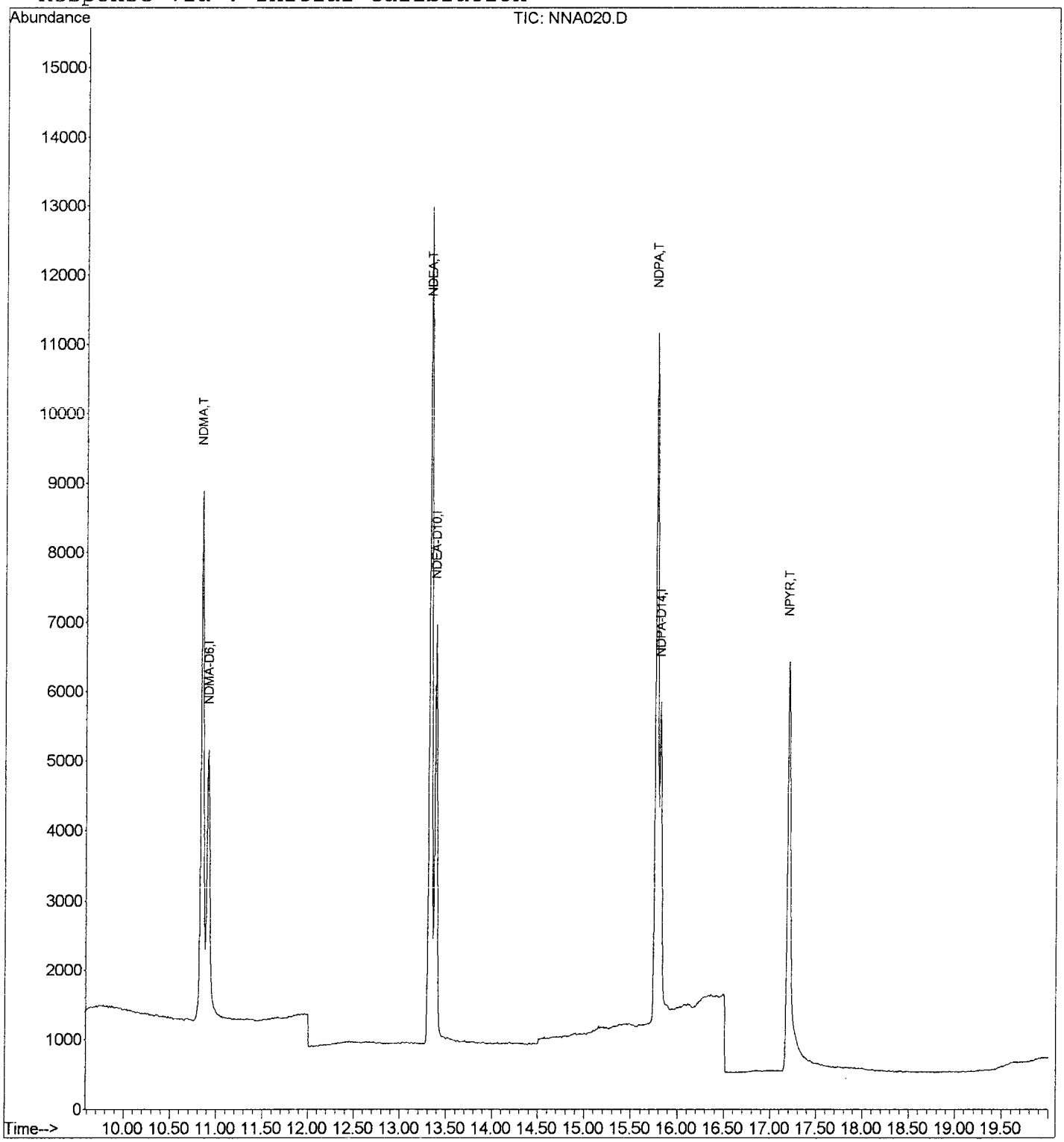
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2991	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5836	10.00	PPB	0.00
5) NDPA-D14	15.81	145	5092	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	11598	19.34	PPB	100
4) NDEA	13.32	120	11973	19.27	PPB	99
6) NDPA	15.77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

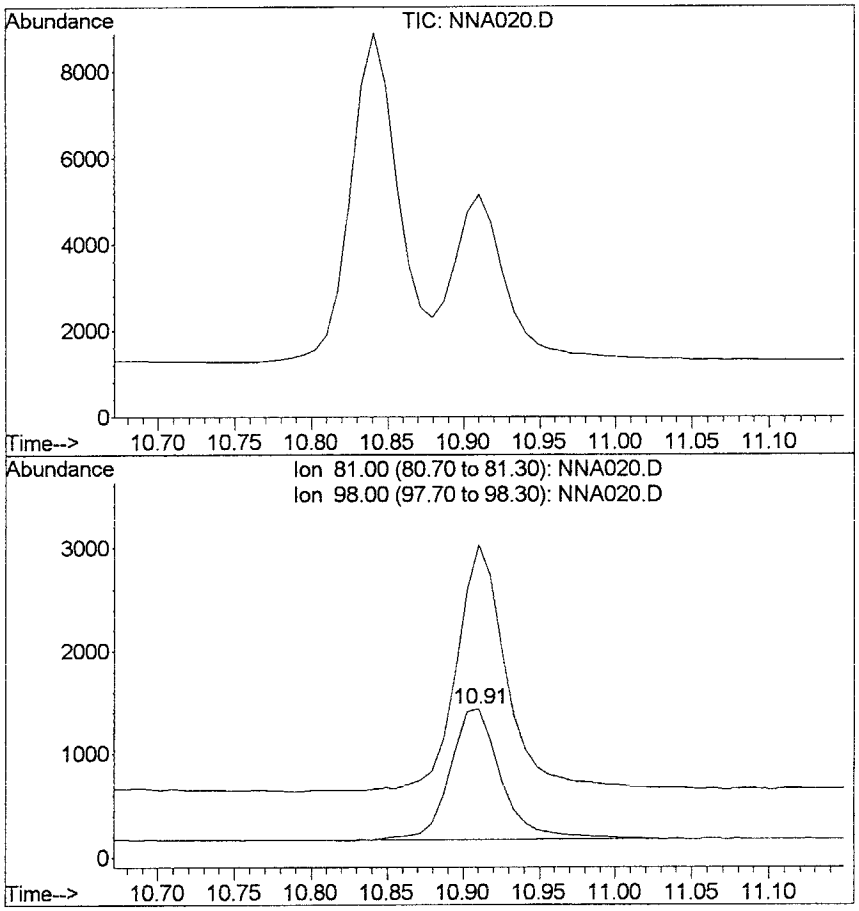
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA020.D 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

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

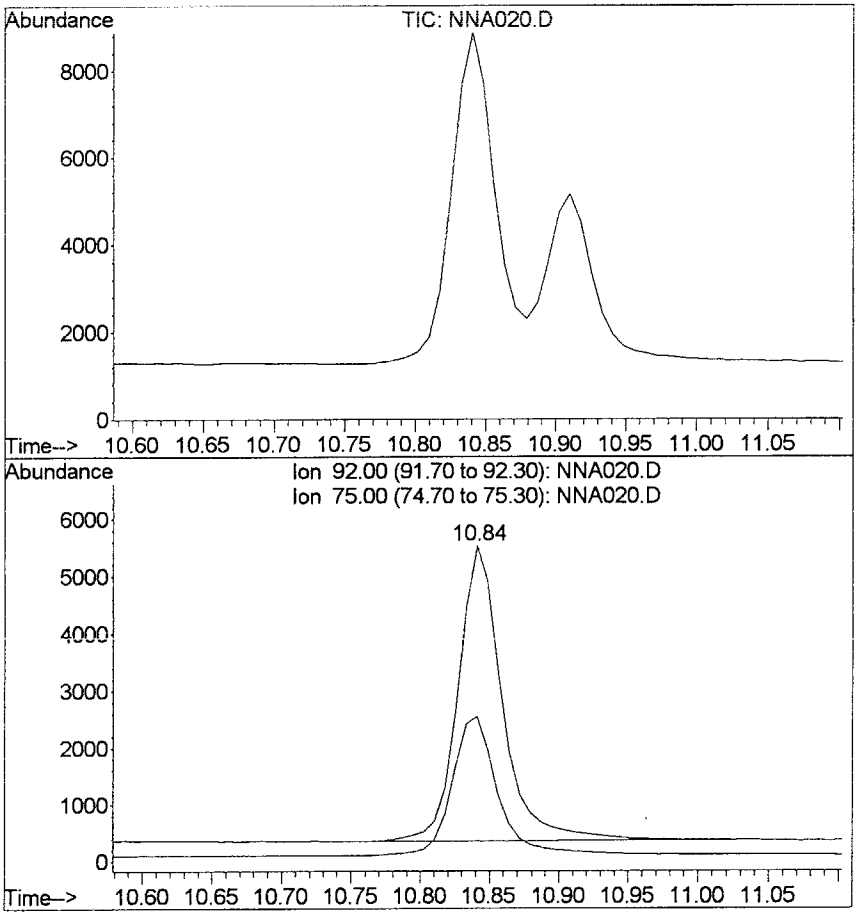




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA020.D
Acq: 14 Jun 2007 10:24 am

Tgt Ion: 81 Resp: 2991

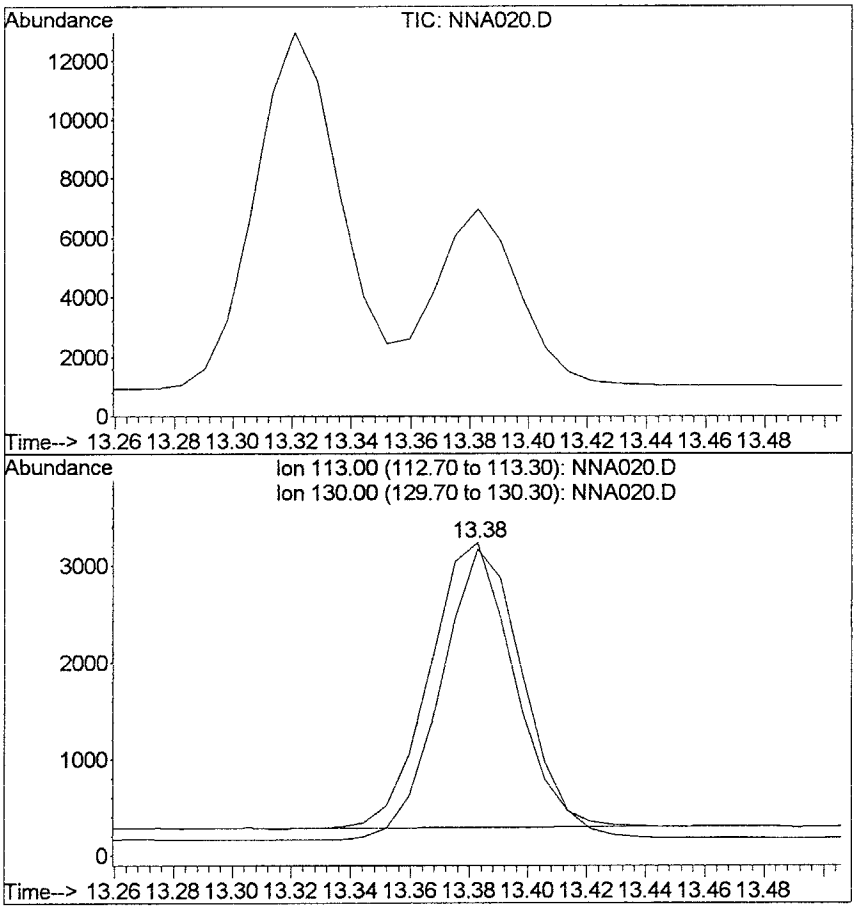
Ion	Ratio	Lower	Upper
81	100		
98	177.3	144.1	224.1



#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

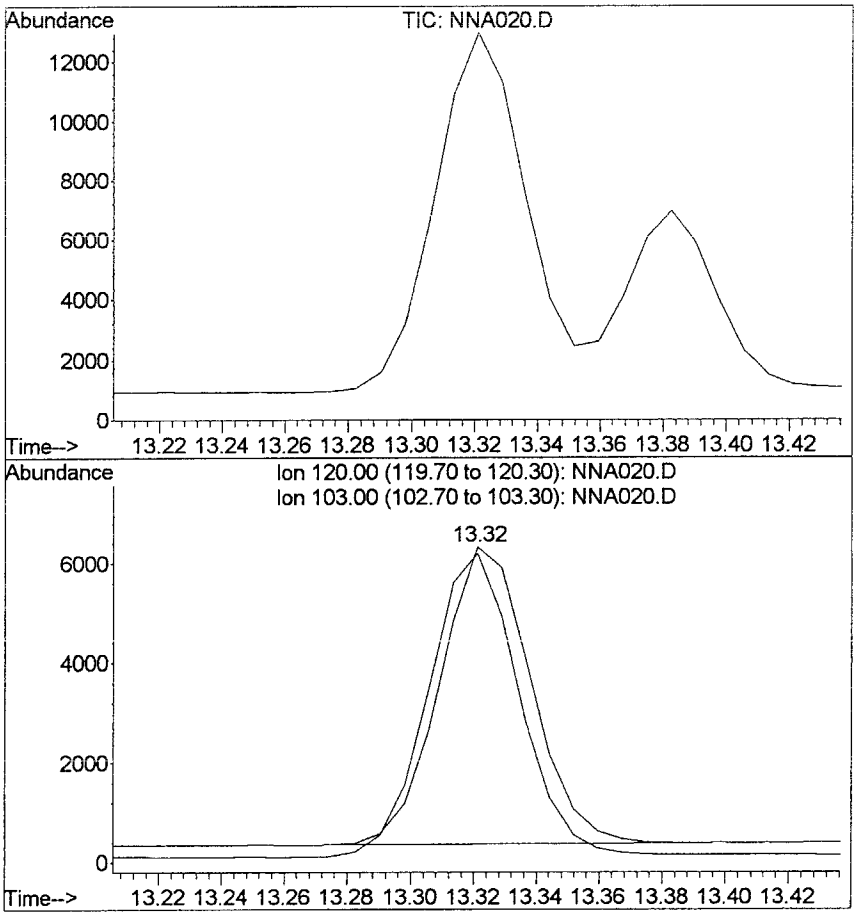
Ion	Ratio	Lower	Upper
92	100		
75	48.7	31.8	66.0



#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

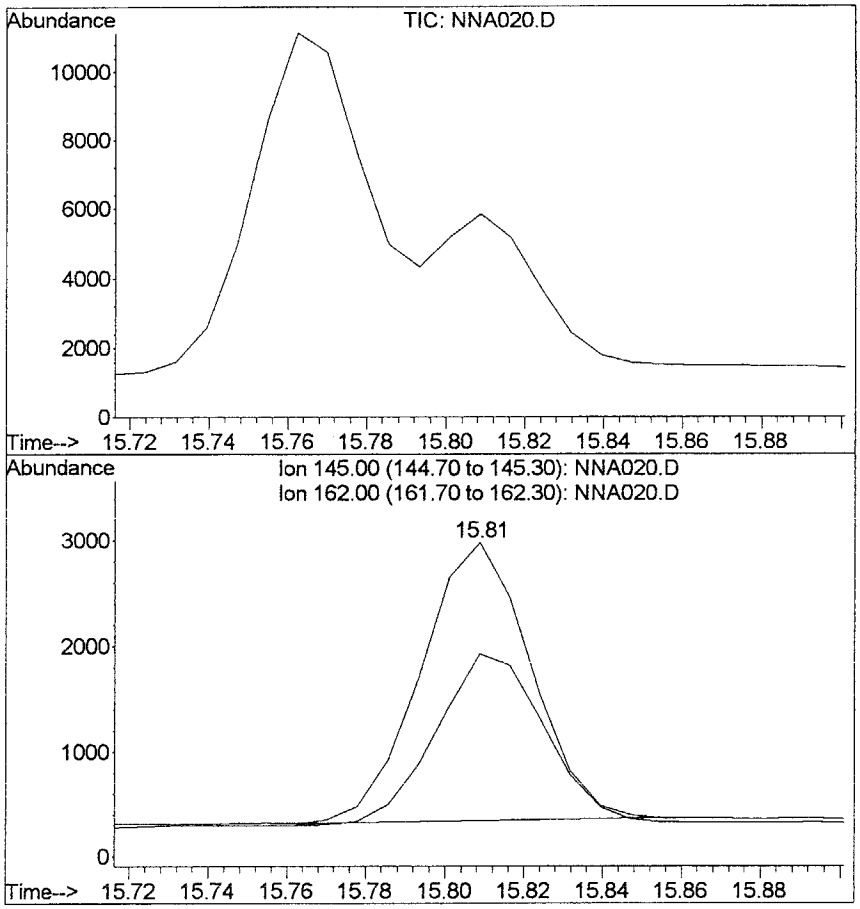
Ion	Ratio	Lower	Upper
113	100		
130	101.0	67.1	137.1



#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

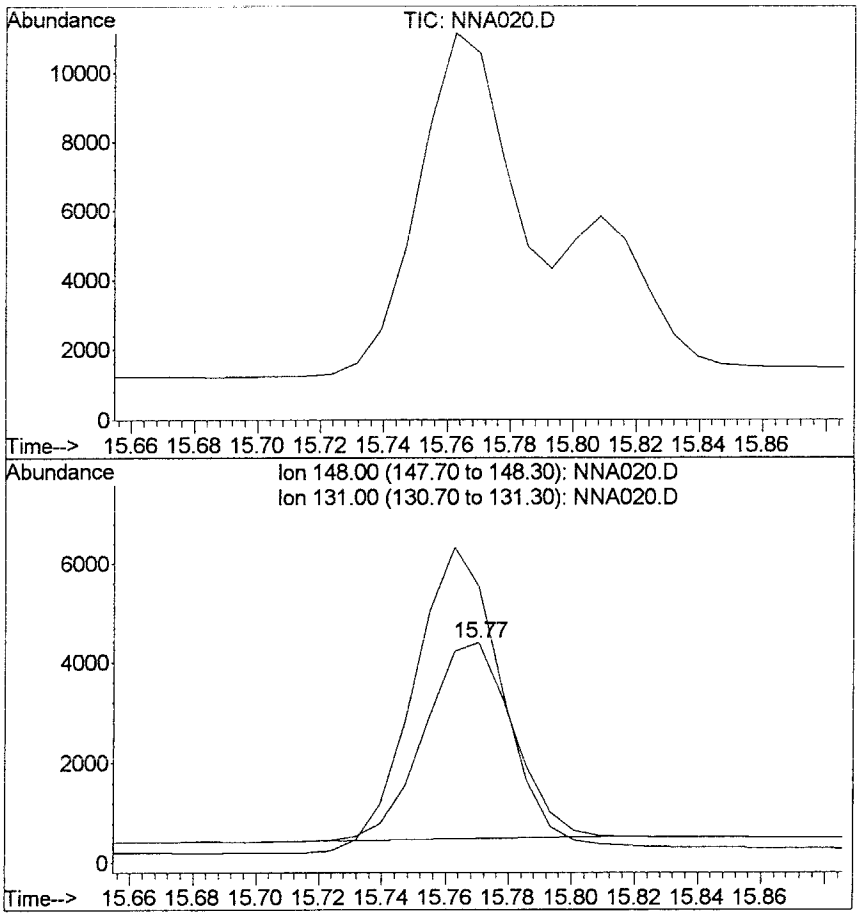
Ion	Ratio	Lower	Upper
120	100		
103	101.0	65.3	135.5



#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

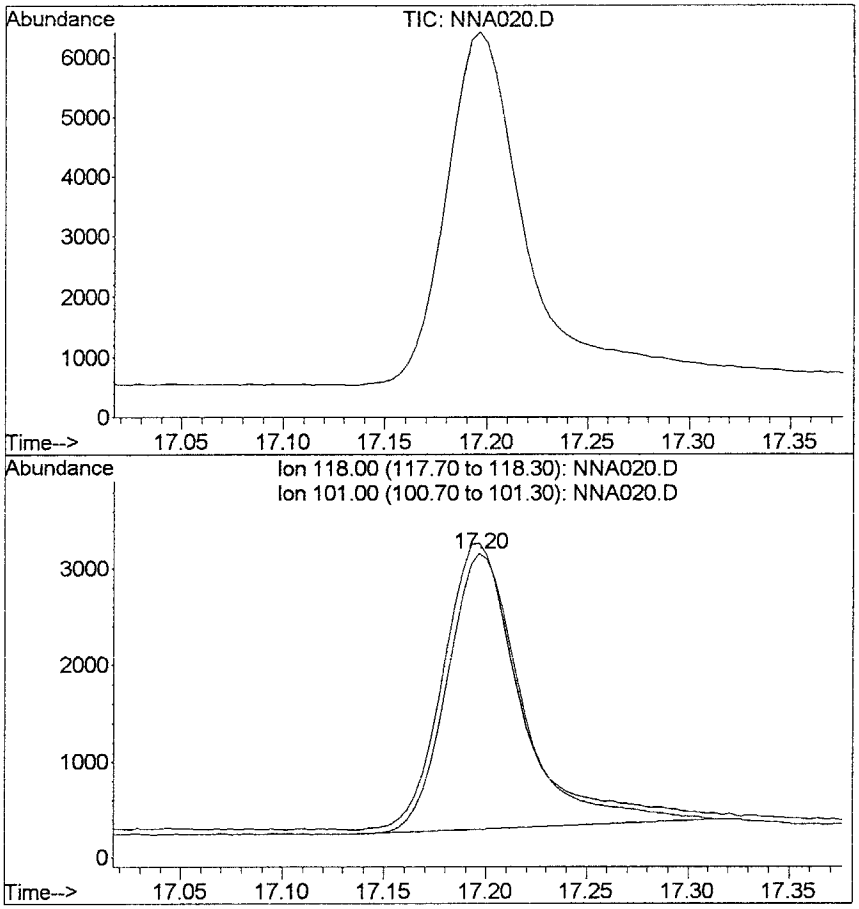
Ion	Ratio	Lower	Upper
145	100		
162	61.0	22.4	102.4



#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 Vial: 6
Acq On : 14 Jun 2007 10:47 am Operator: DF/AI
Sample : 50ppb Std.# 7060223 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

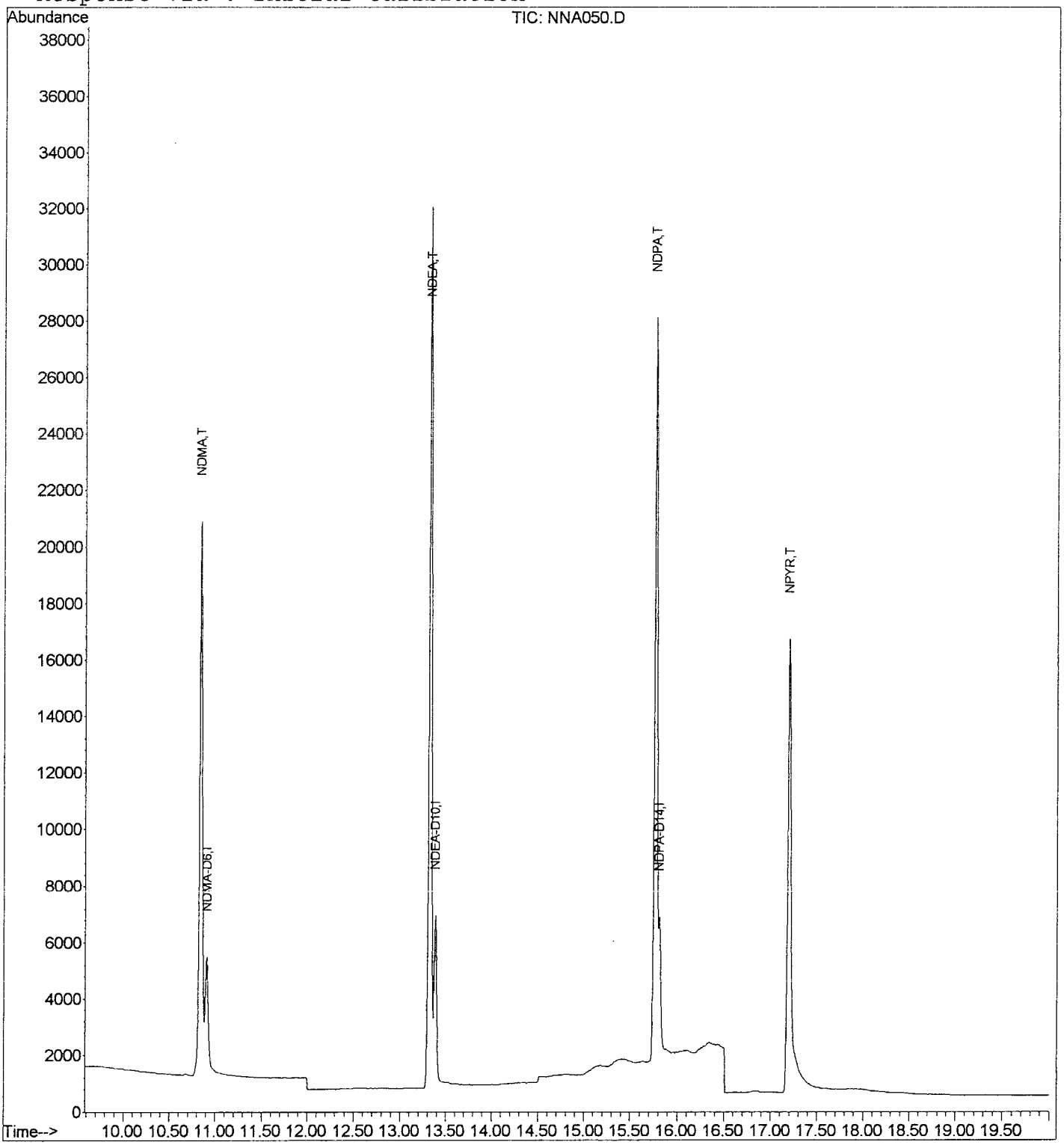
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	3015	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5896	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5432	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	29636	49.01 PPB	99
4) NDEA	13.32	120	30485	48.57 PPB	99
6) NDPA	15.76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

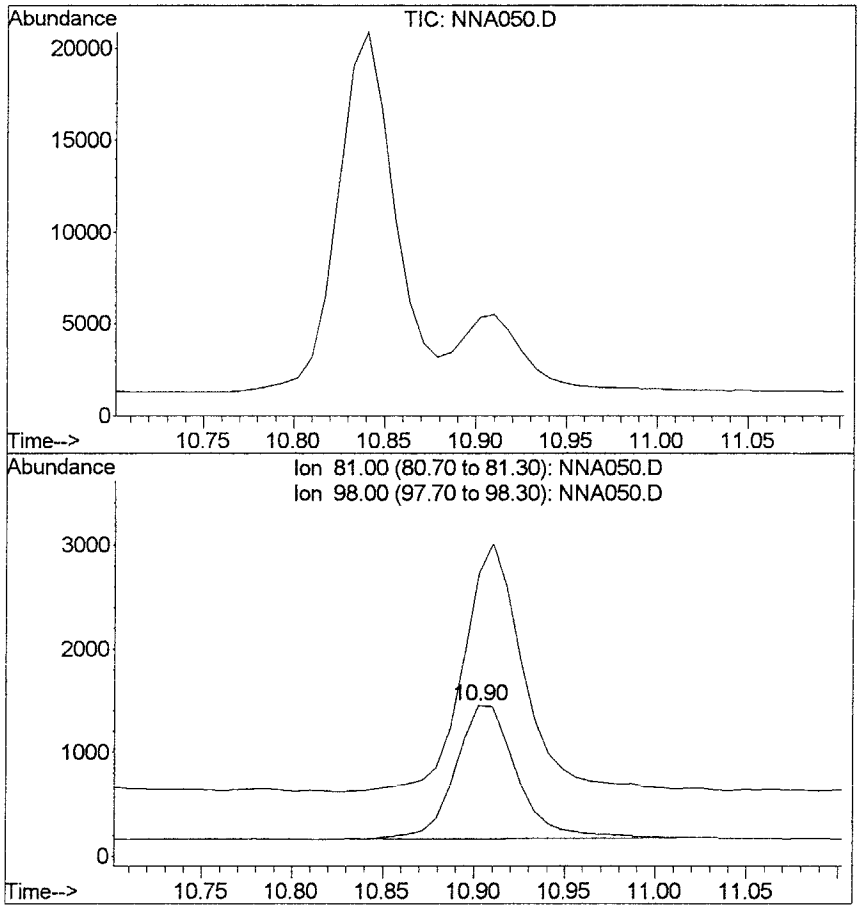
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA050.D Vial: 6
Acq On : 14 Jun 2007 10:47 am Operator: DF/AI
Sample : 50ppb Std.# 7060223 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

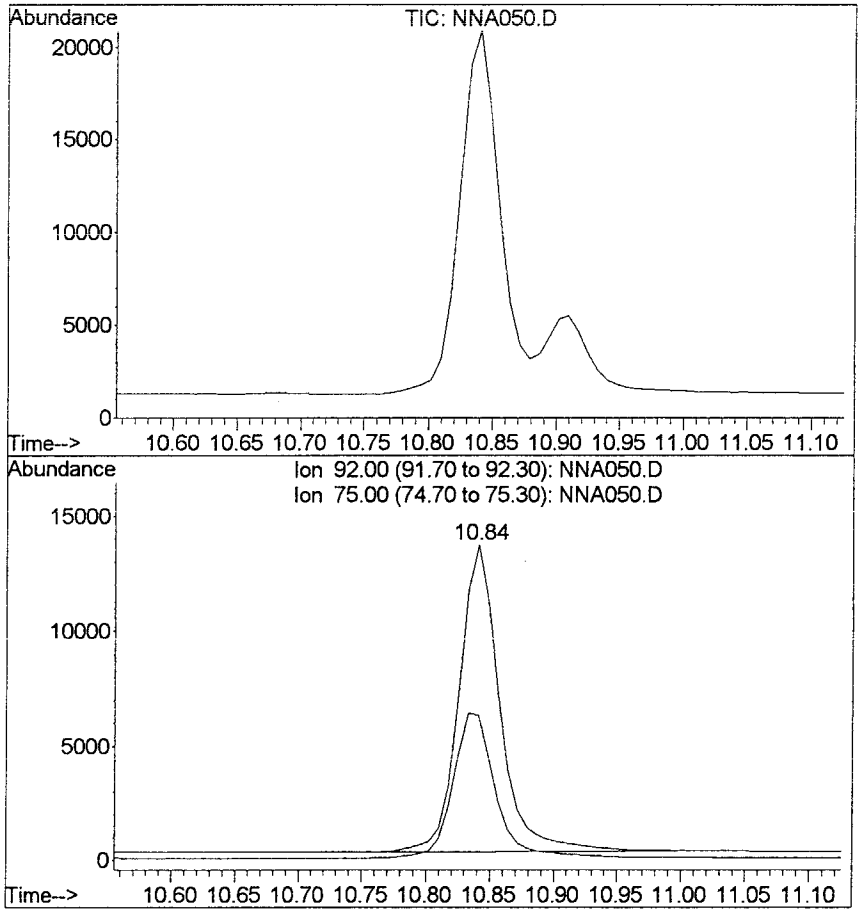




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. -0.00 min
Lab File: NNA050.D
Acq: 14 Jun 2007 10:47 am

Tgt Ion: 81 Resp: 3015

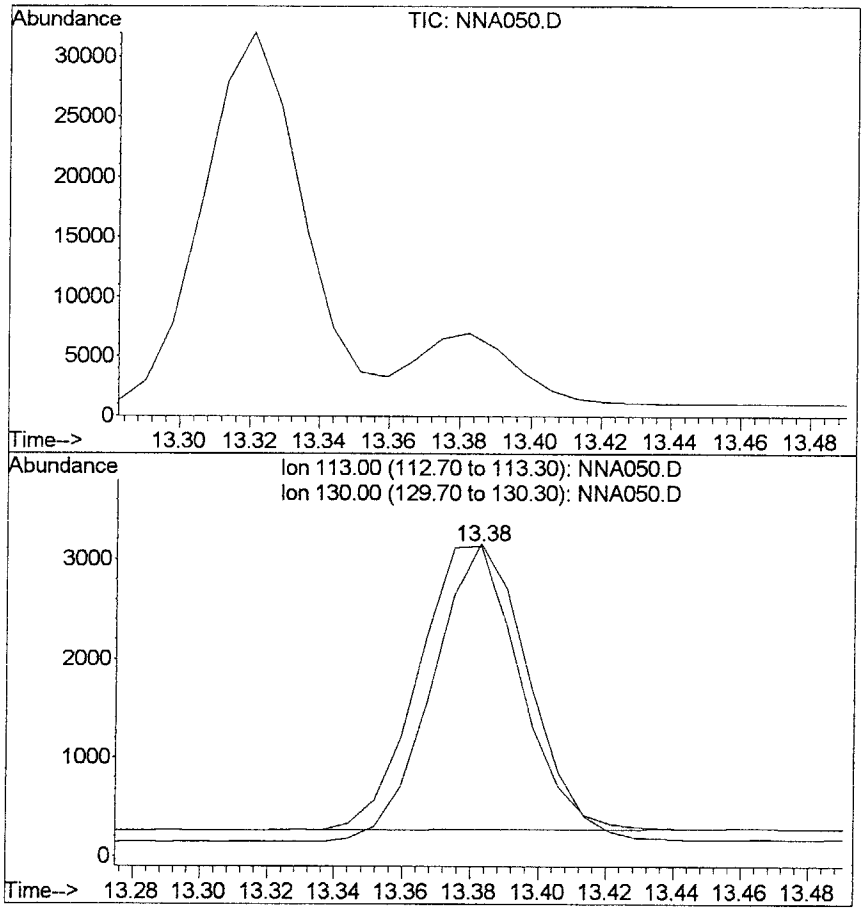
Ion	Ratio	Lower	Upper
81	100		
98	180.3	144.1	224.1



#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

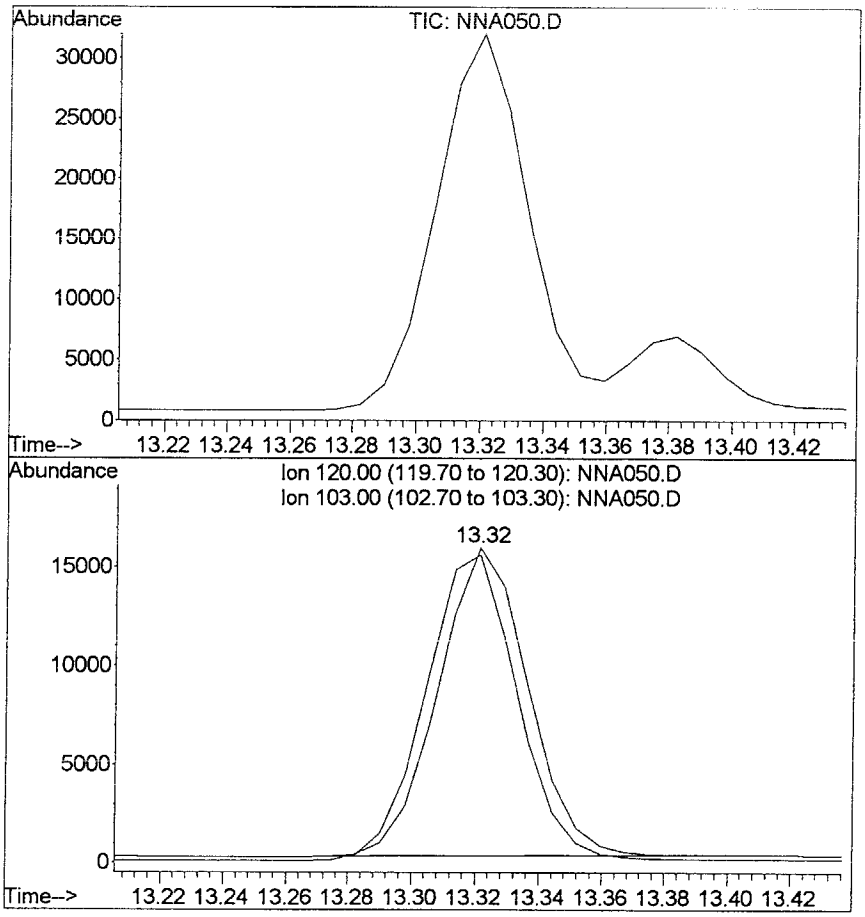
Ion	Ratio	Lower	Upper
92	100		
75	49.4	31.8	66.0



#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

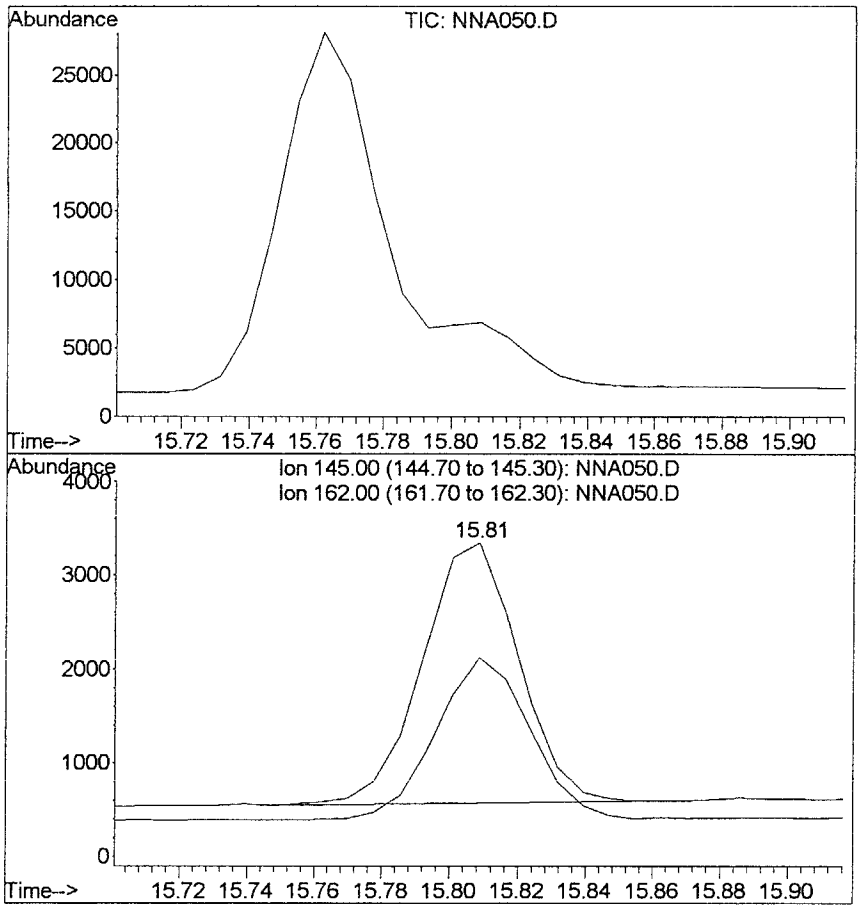
Ion	Ratio	Lower	Upper
113	100		
130	100.2	67.1	137.1



#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

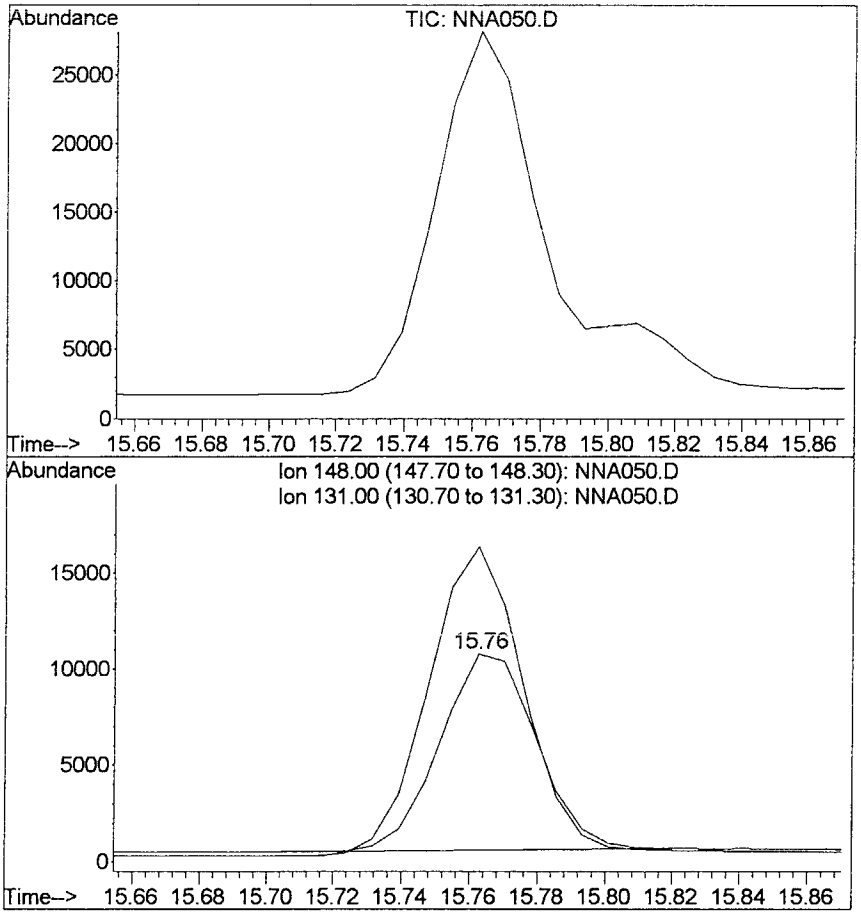
Ion	Ratio	Lower	Upper
120	100		
103	101.6	65.3	135.5



#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

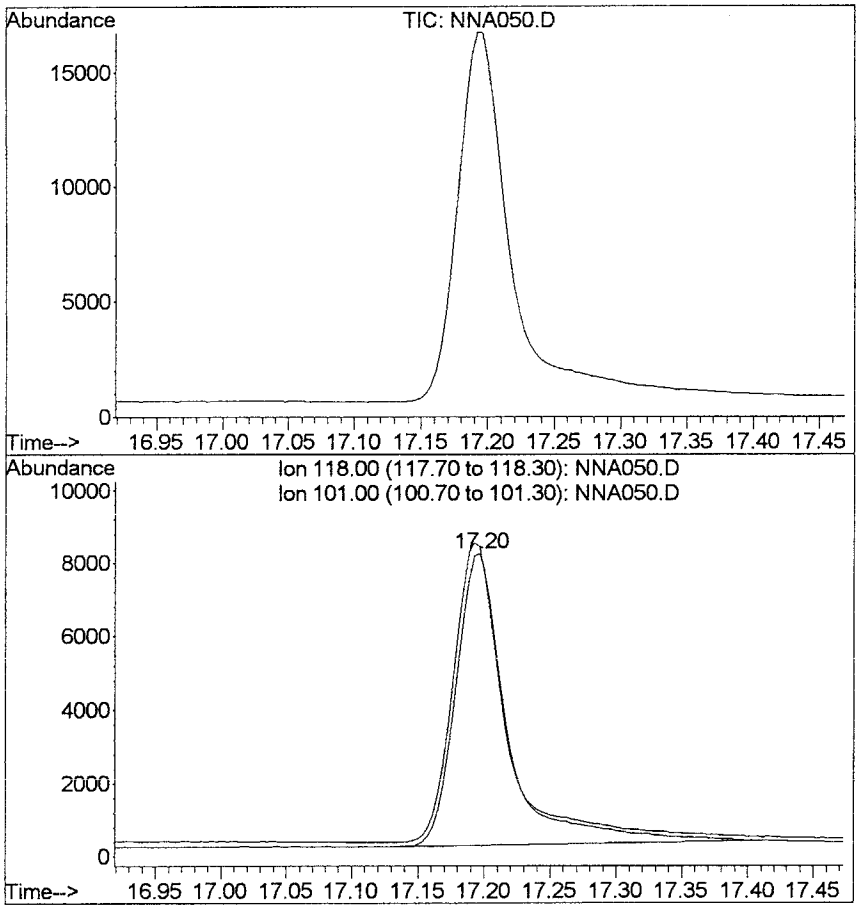
Ion	Ratio	Lower	Upper
145	100		
162	60.8	22.4	102.4



#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

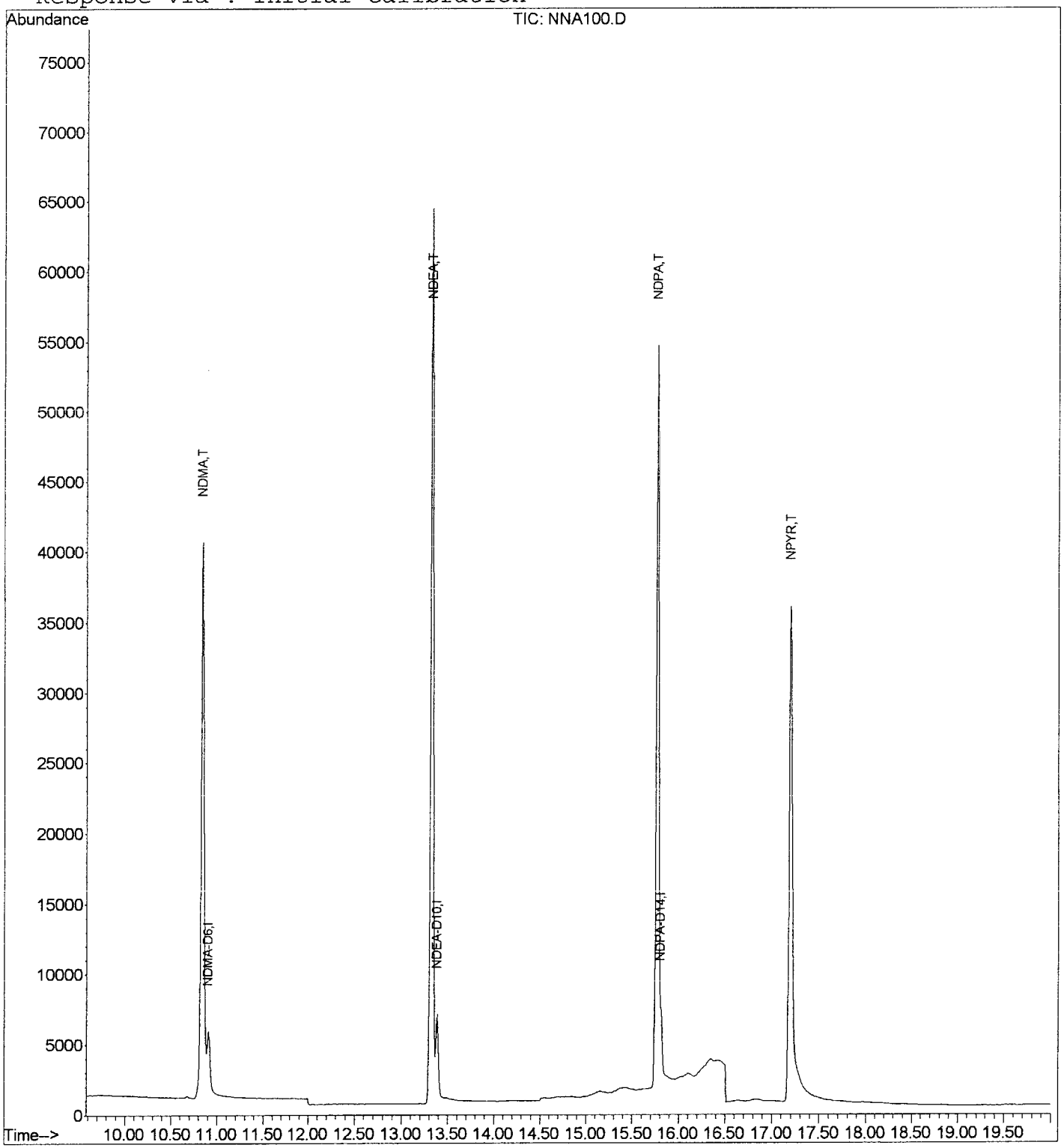
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.90	81	2989	10.00 PPB	0.00
3) NDEA-D10	13.38	113	5837	10.00 PPB	0.00
5) NDPA-D14	15.81	145	5188	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.84	92	60647	101.17 PPB	99
4) NDEA	13.32	120	62234	100.15 PPB	99
6) NDPA	15.76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

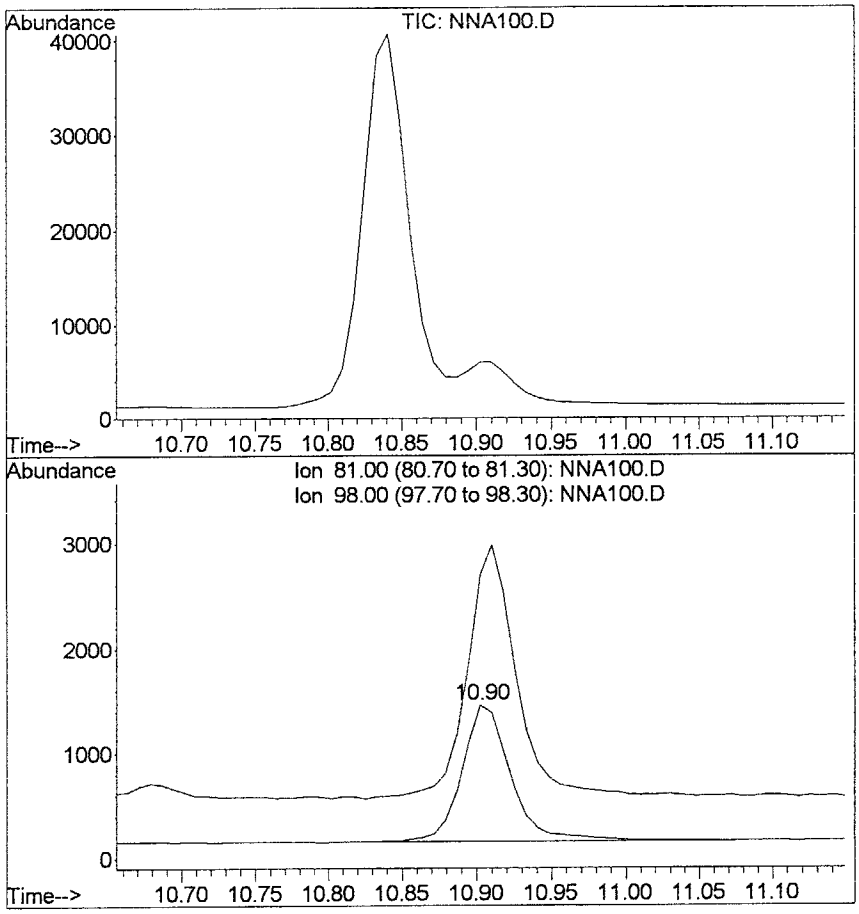
(#) = qualifier out of range (m) = manual integration

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

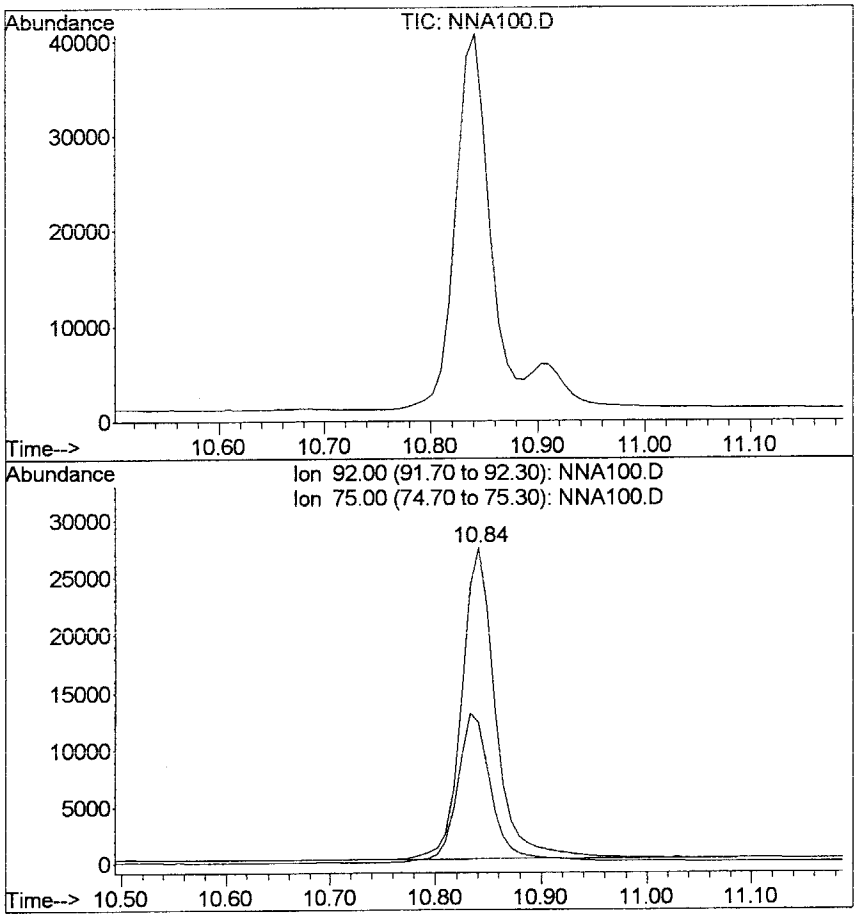




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. -0.00 min
Lab File: NNA100.D
Acq: 14 Jun 2007 11:11 am

Tgt Ion: 81 Resp: 2989

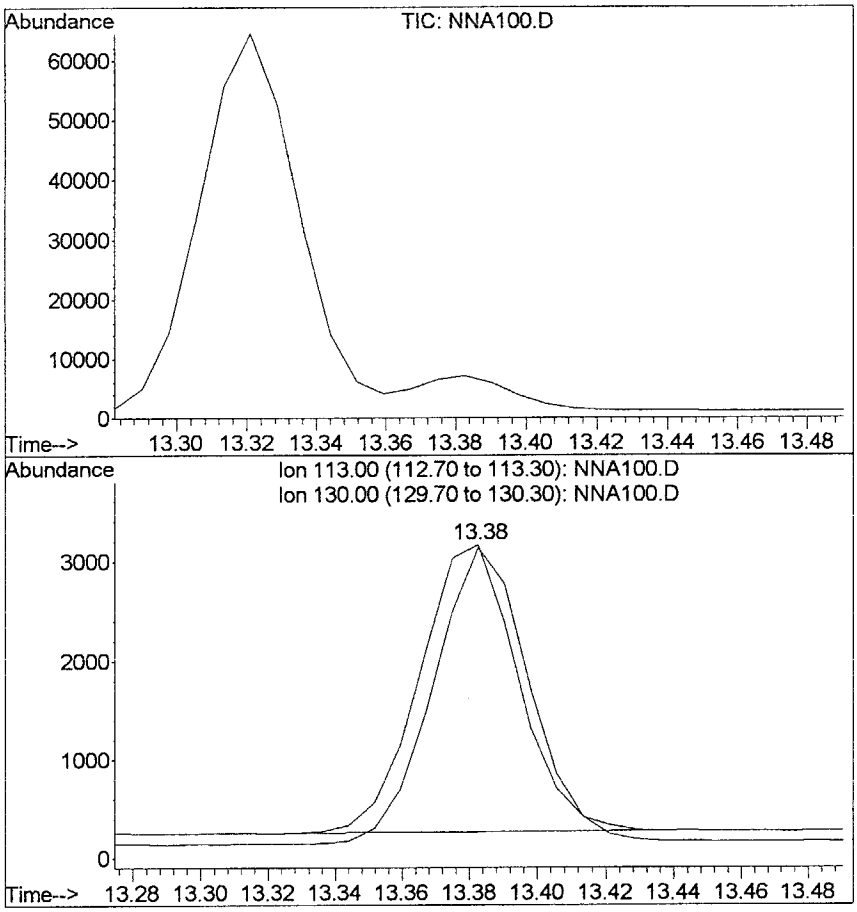
Ion	Ratio	Lower	Upper
81	100		
98	179.9	144.1	224.1



#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

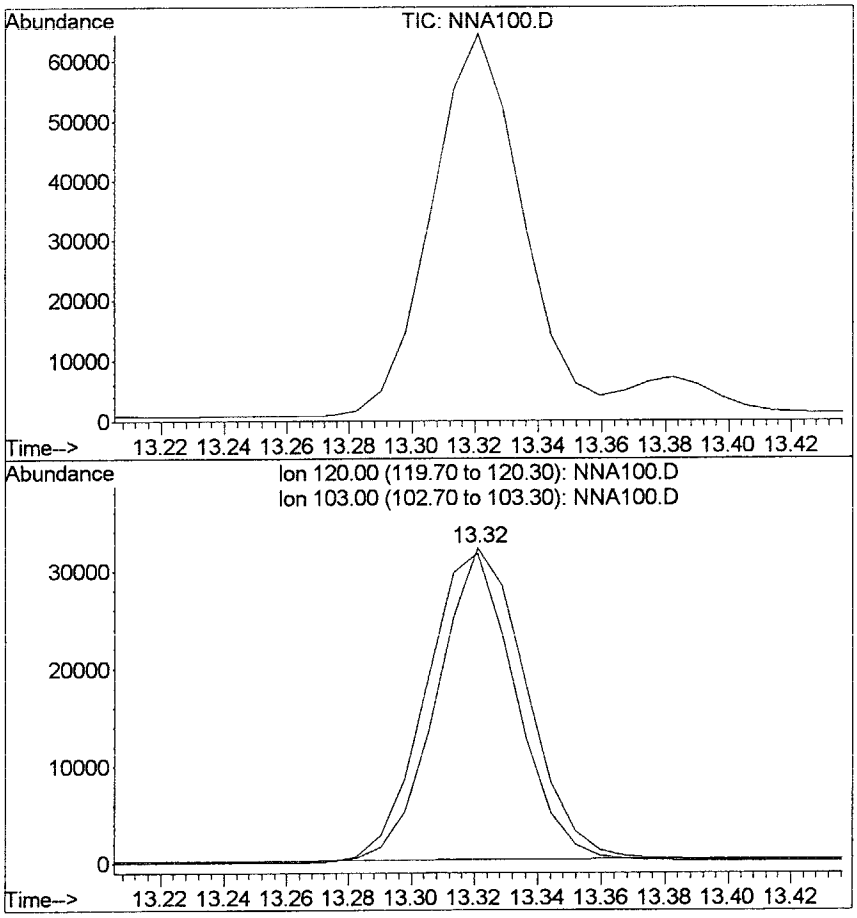
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#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

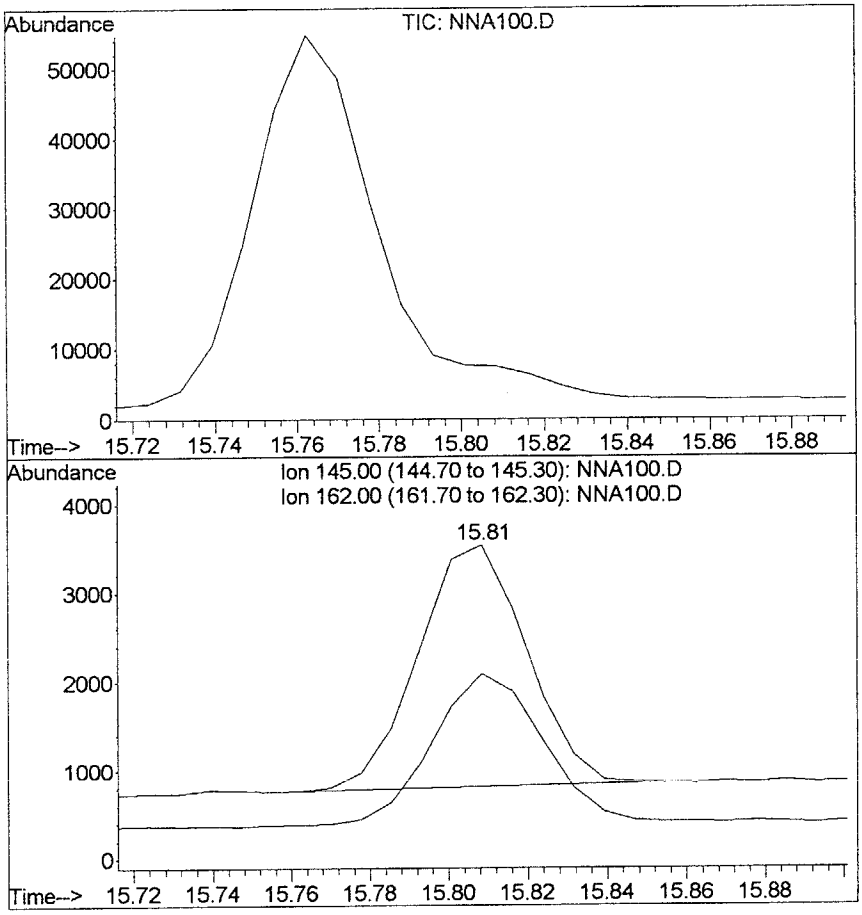
Ion	Ratio	Lower	Upper
113	100		
130	100.3	67.1	137.1



#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

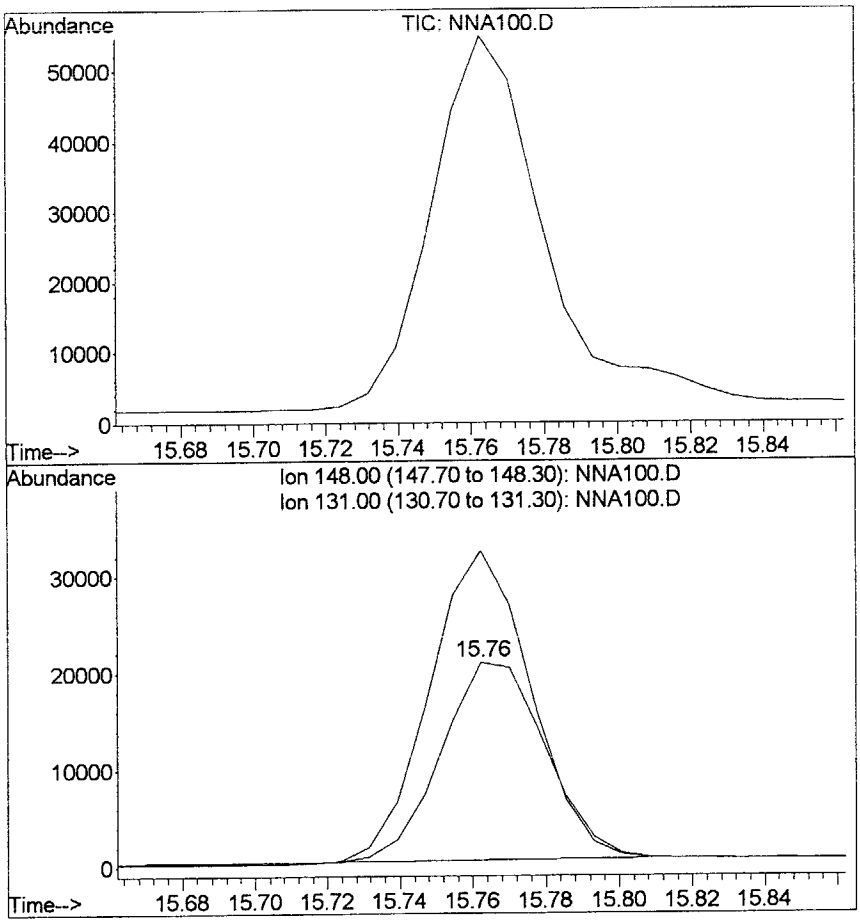
Ion	Ratio	Lower	Upper
120	100		
103	101.0	65.3	135.5



#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

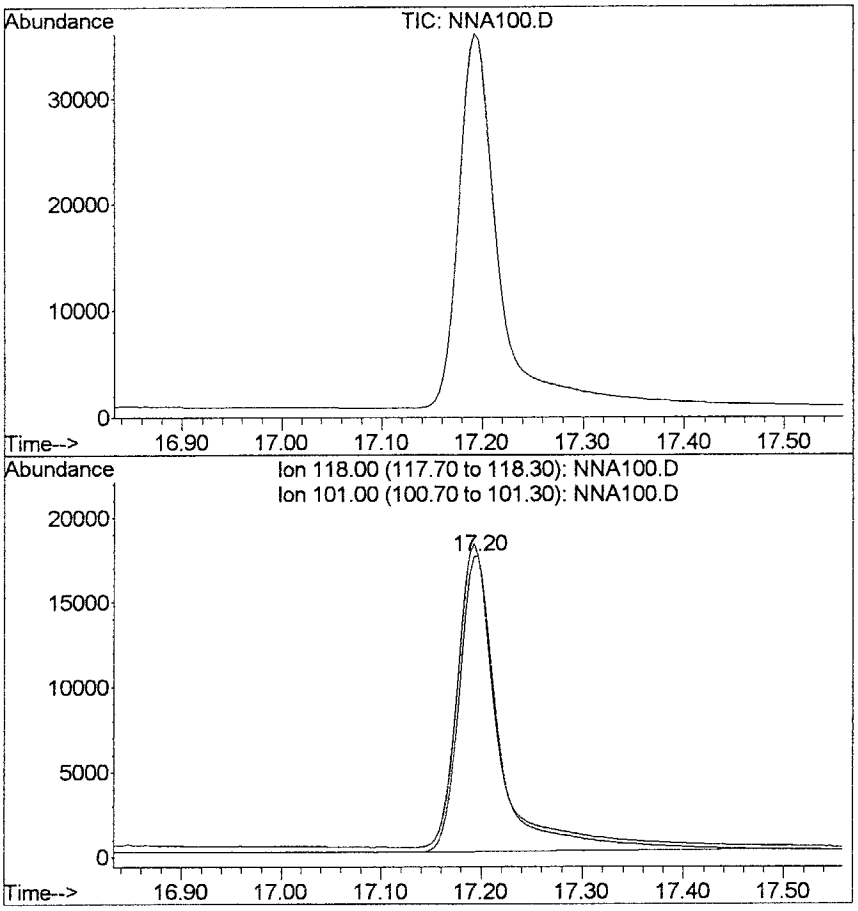
Ion	Ratio	Lower	Upper
145	100		
162	63.0	22.4	102.4



#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

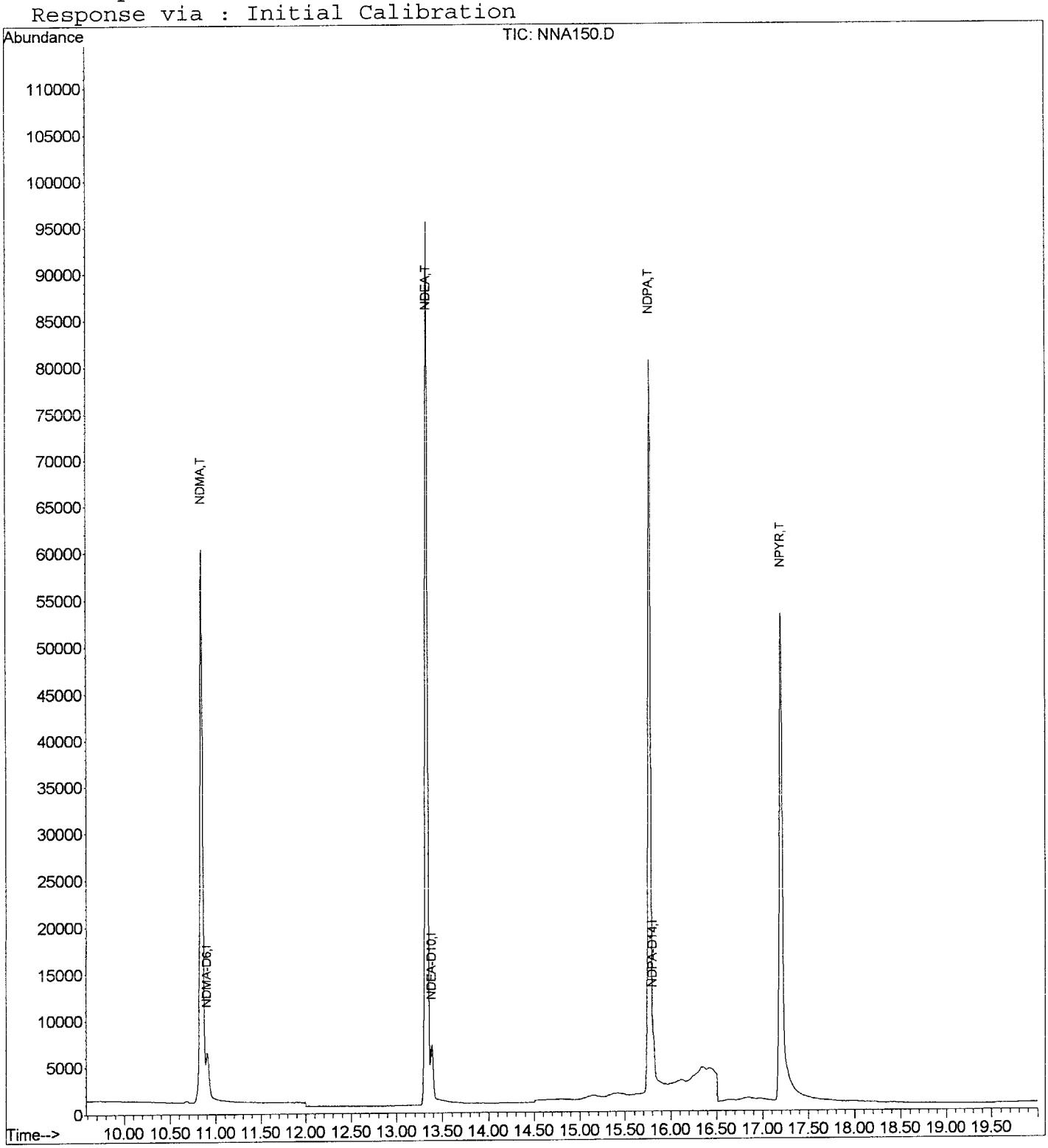
(#) = qualifier out of range (m) = manual integration

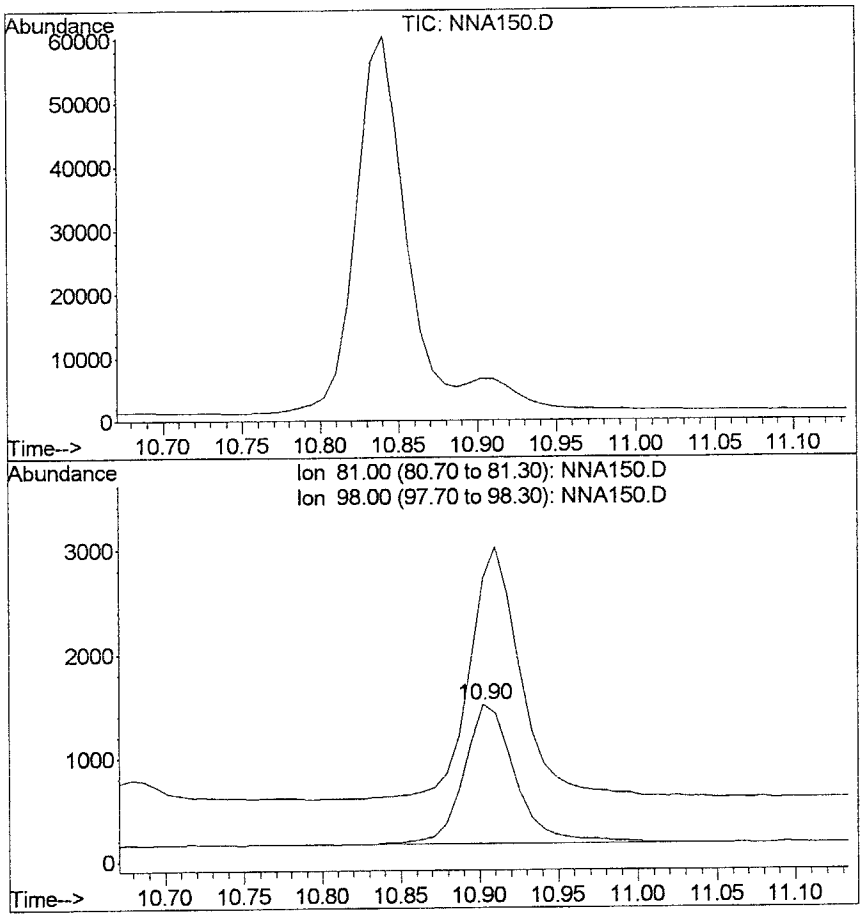
Quantitation Report (Not Reviewed)

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

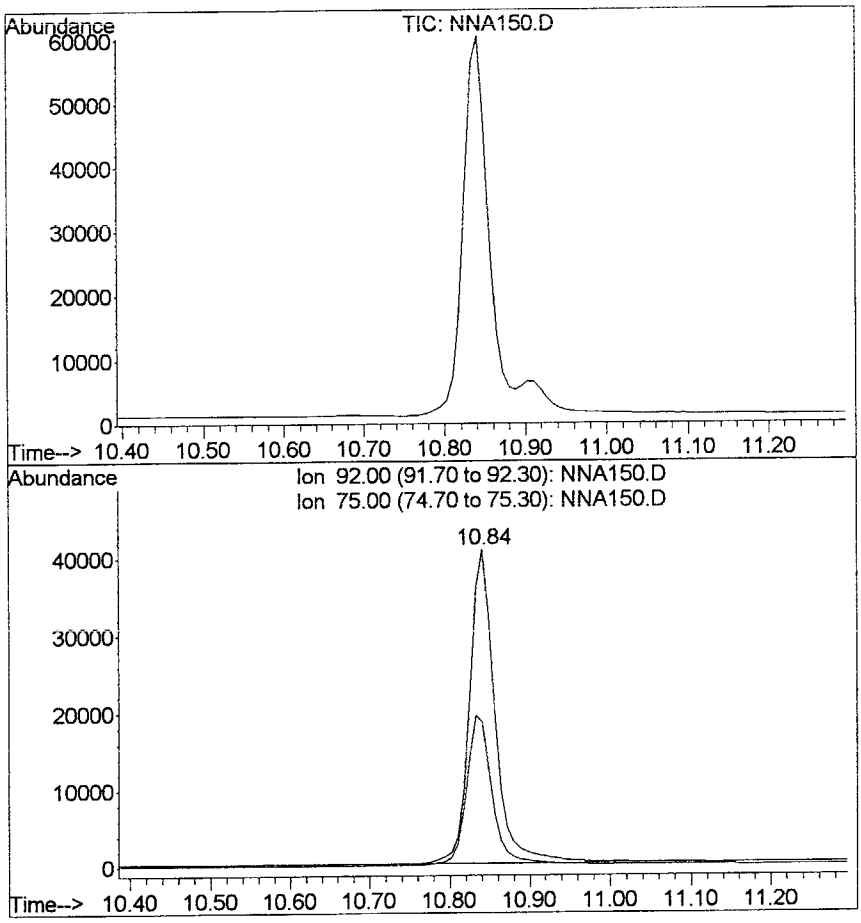




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA150.D
Acq: 14 Jun 2007 11:34 am

Tgt Ion: 81 Resp: 3079

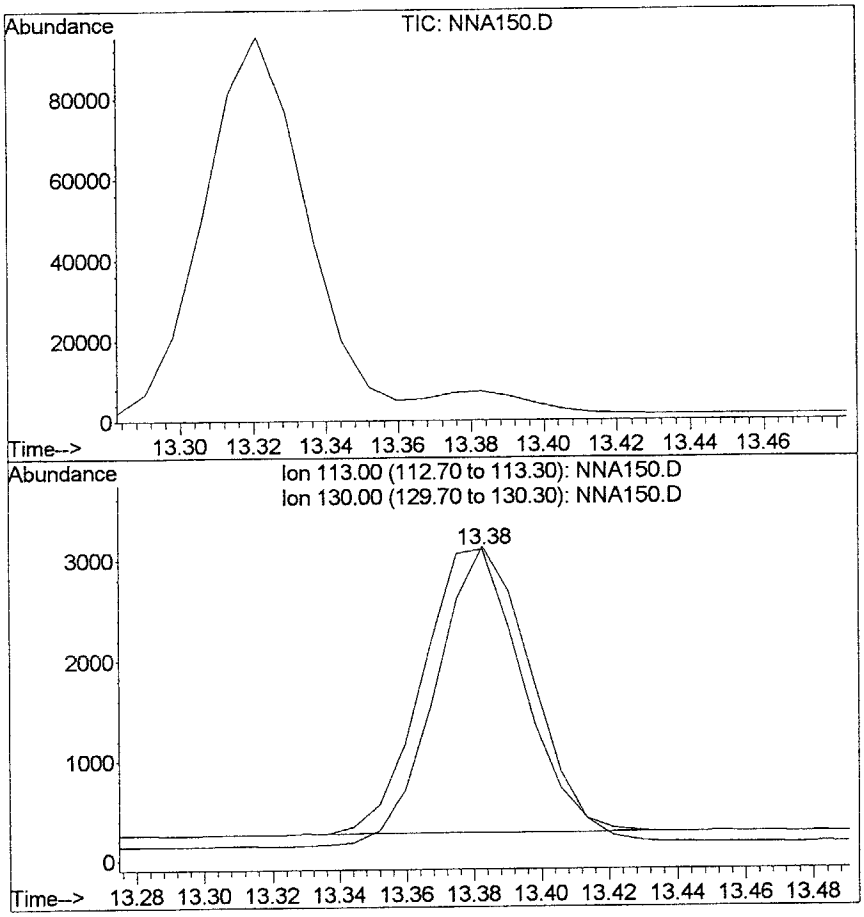
Ion	Ratio	Lower	Upper
81	100		
98	178.5	144.1	224.1



#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

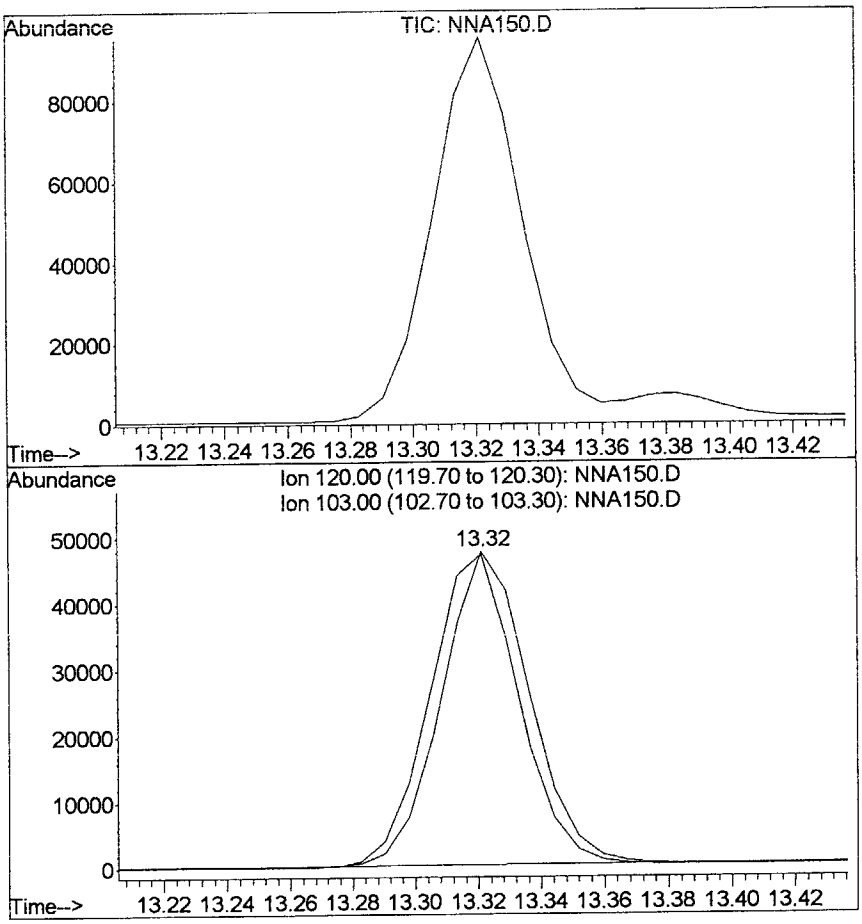
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#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

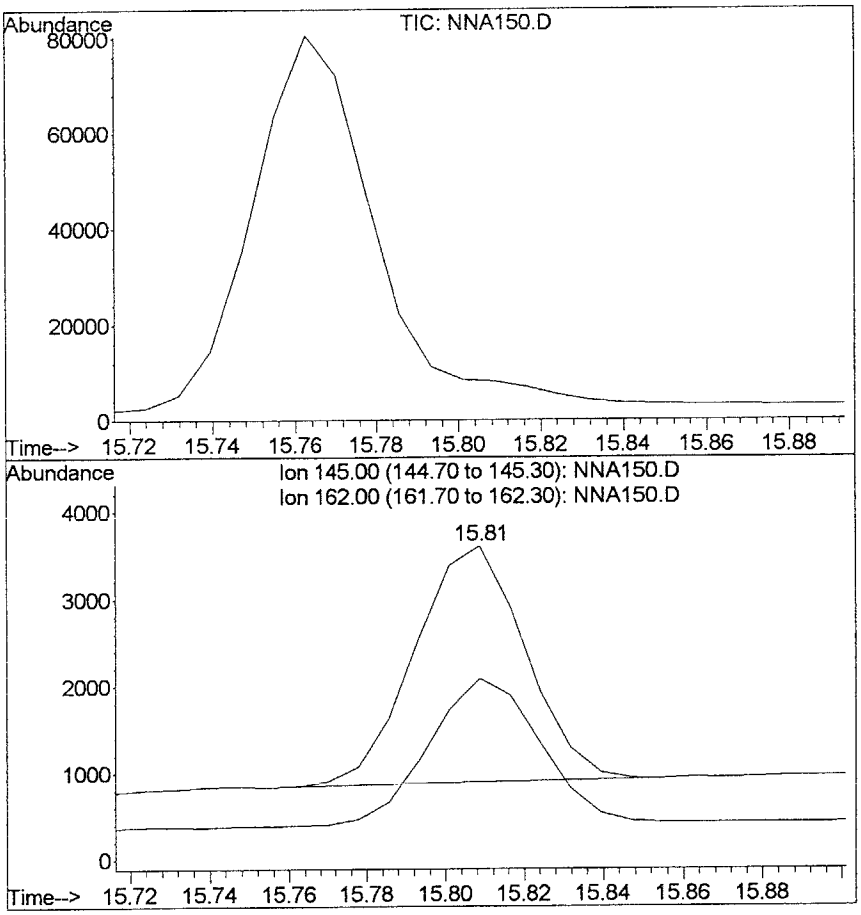
Ion	Ratio	Lower	Upper
113	100		
130	101.4	67.1	137.1



#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

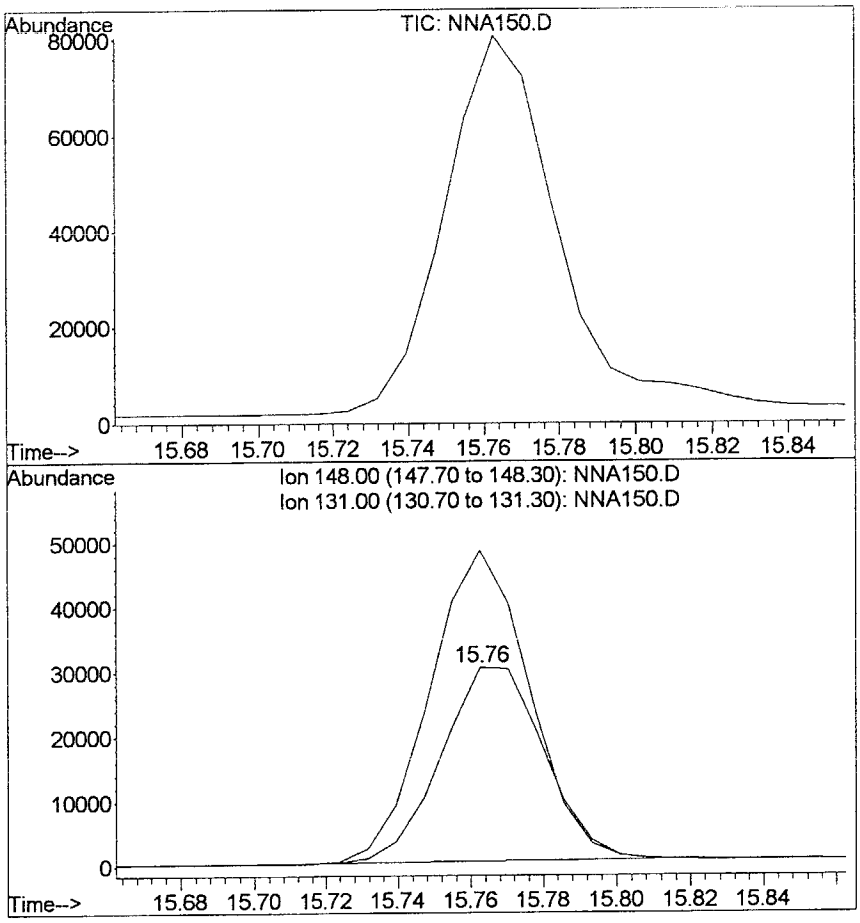
Ion	Ratio	Lower	Upper
120	100		
103	101.2	65.3	135.5



#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

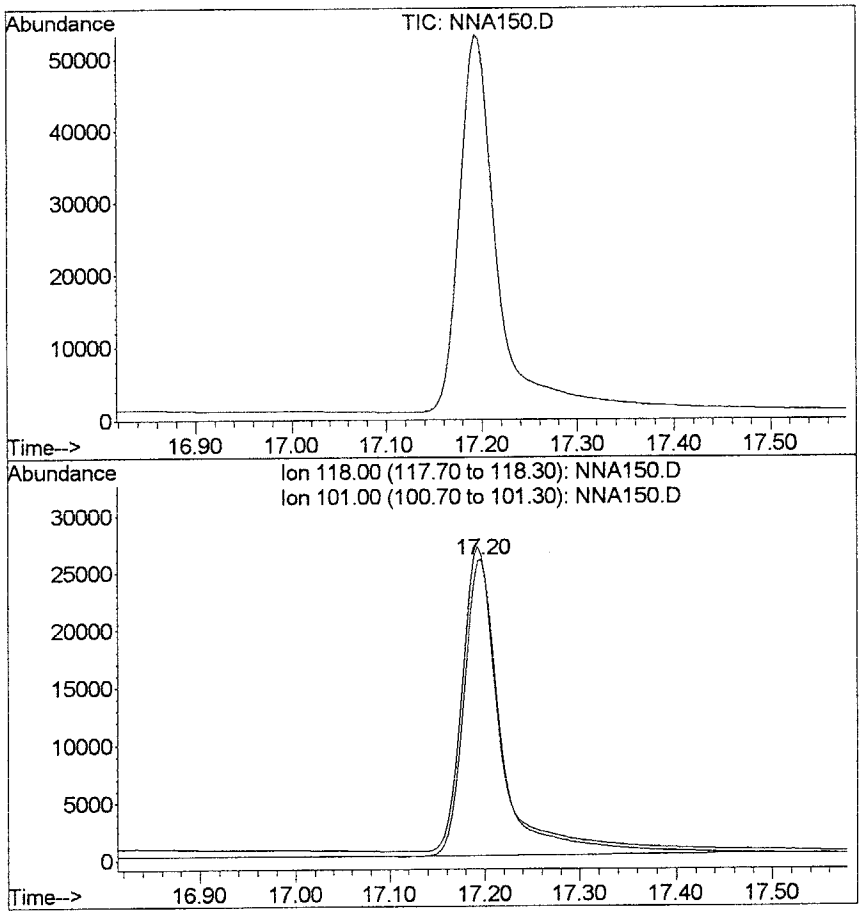
Ion	Ratio	Lower	Upper
145	100		
162	62.2	22.4	102.4



#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
Acq On : 14 Jun 2007 11:58 am
Sample : 200ppb Std.# 7060226
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 9
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	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

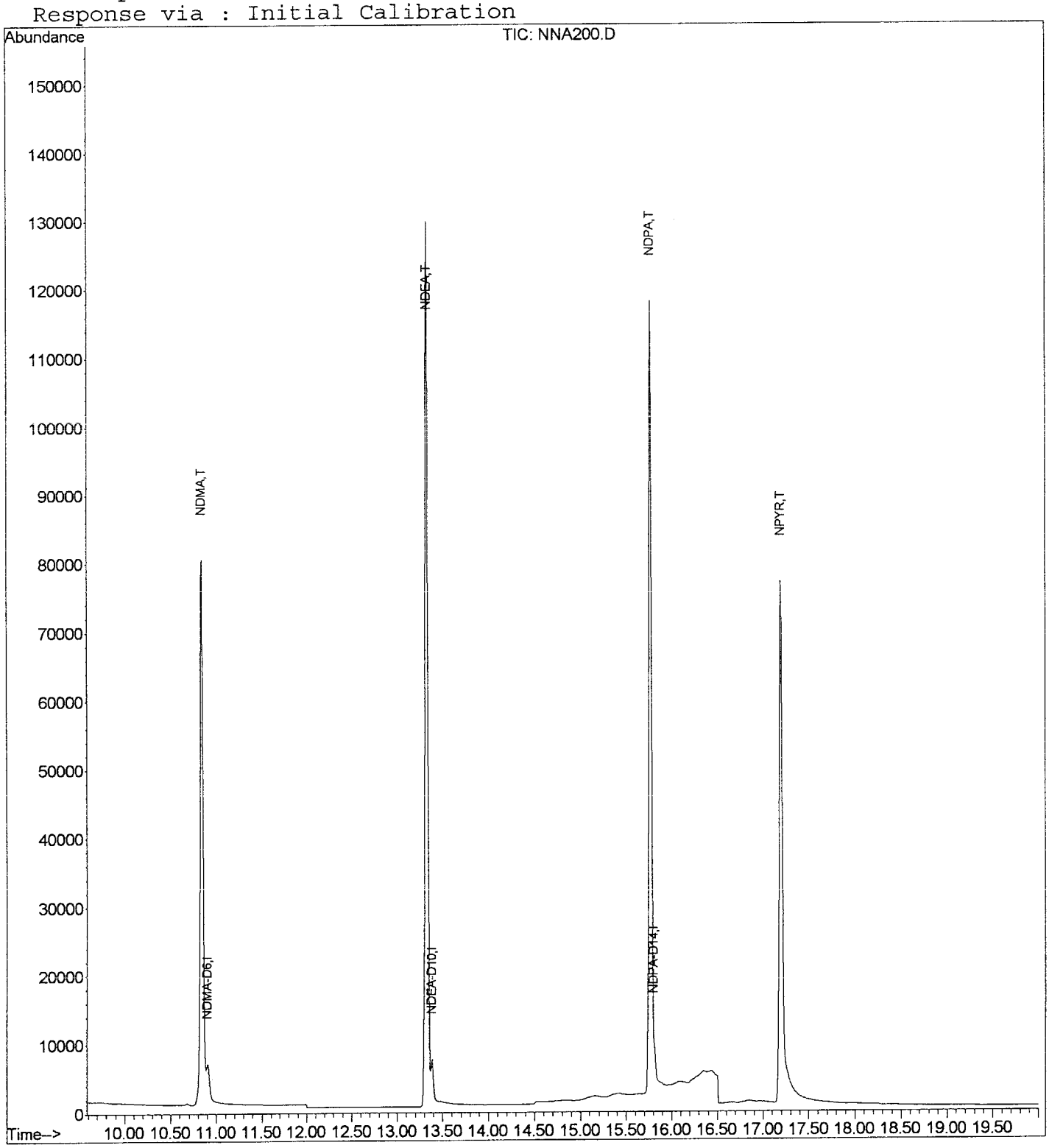
(#) = qualifier out of range (m) = manual integration

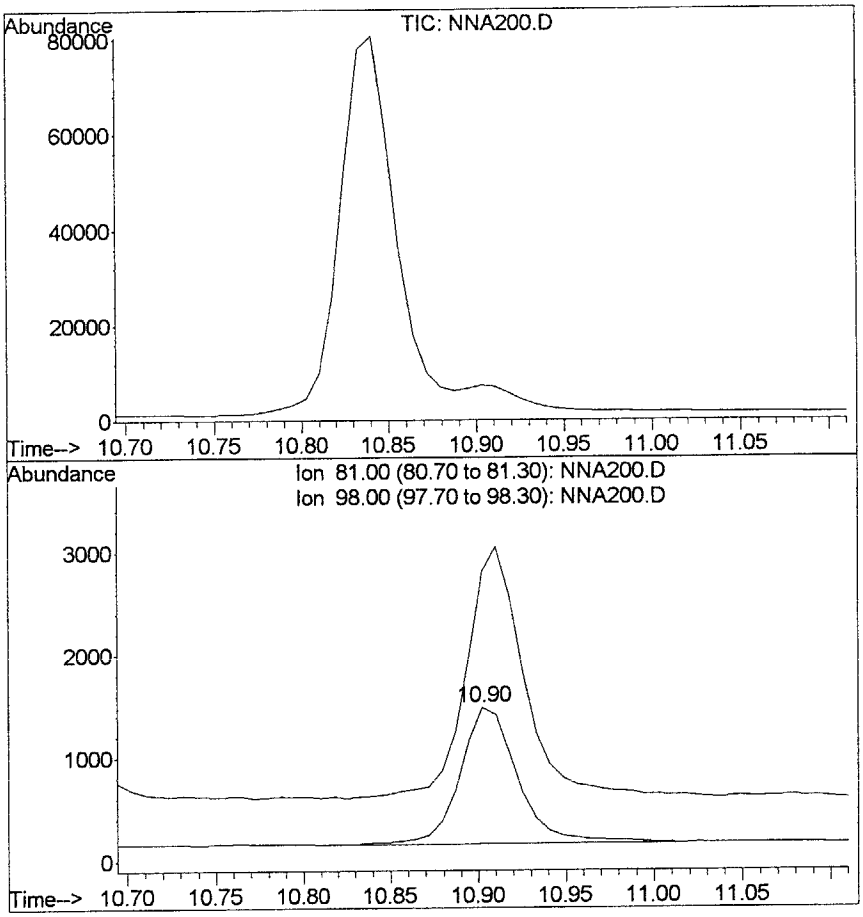
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA200.D
Acq On : 14 Jun 2007 11:58 am
Sample : 200ppb Std.# 7060226
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:27 2007

Vial: 9
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

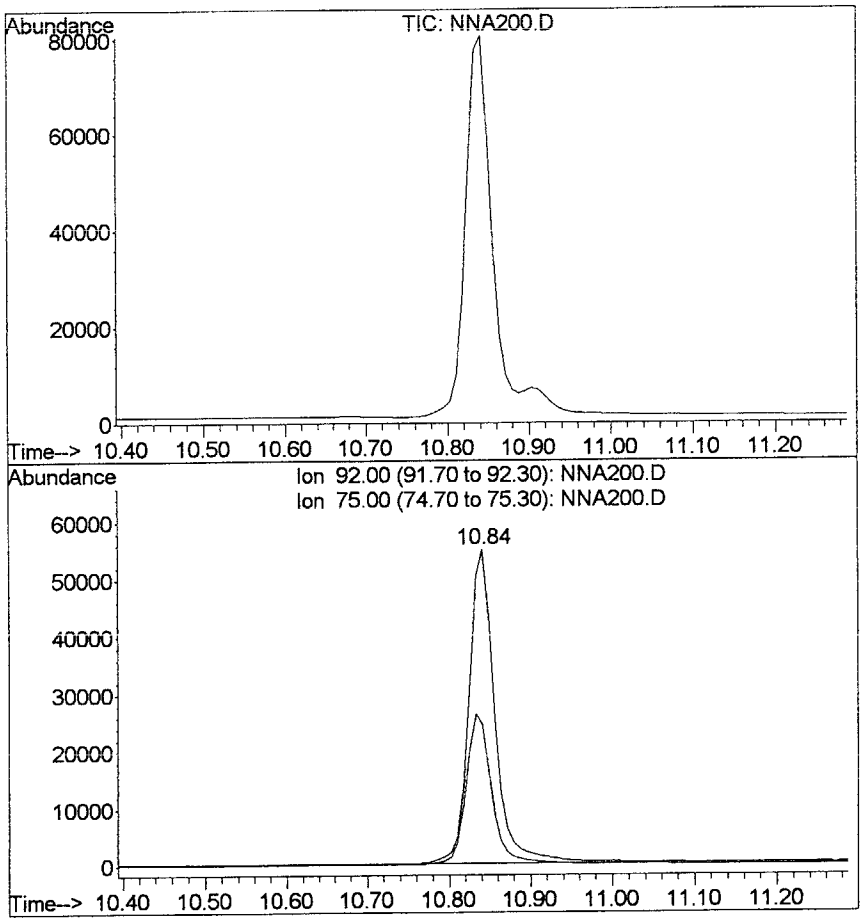




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA200.D
Acq: 14 Jun 2007 11:58 am

Tgt Ion: 81 Resp: 3031

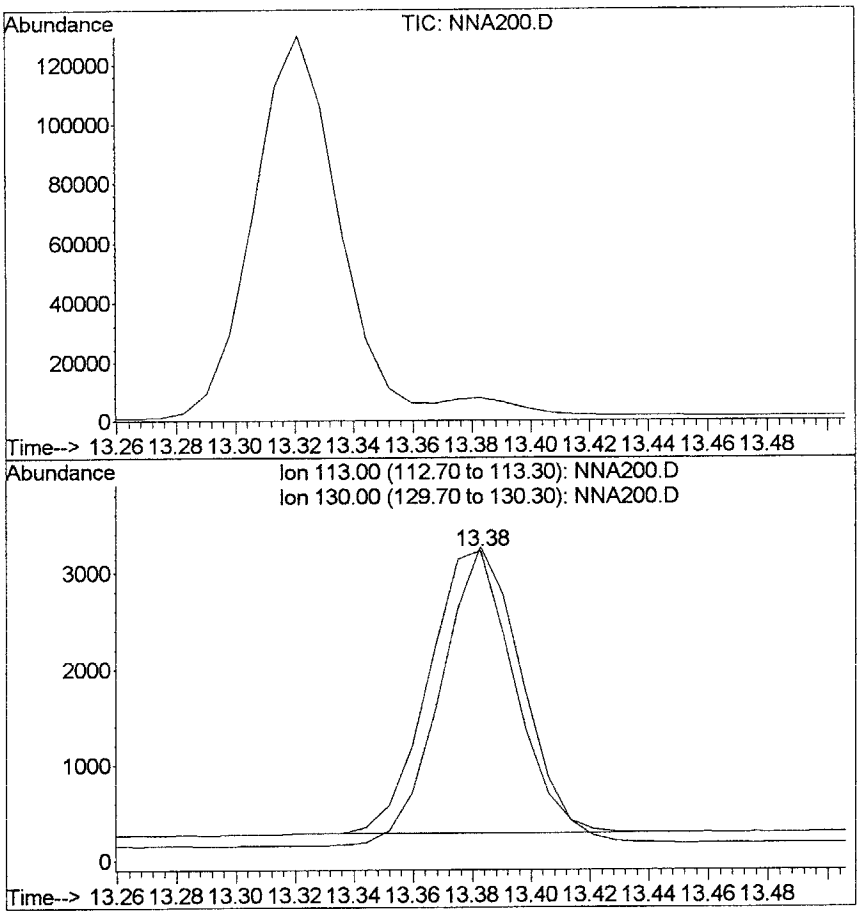
Ion	Ratio	Lower	Upper
81	100		
98	183.9	144.1	224.1



#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

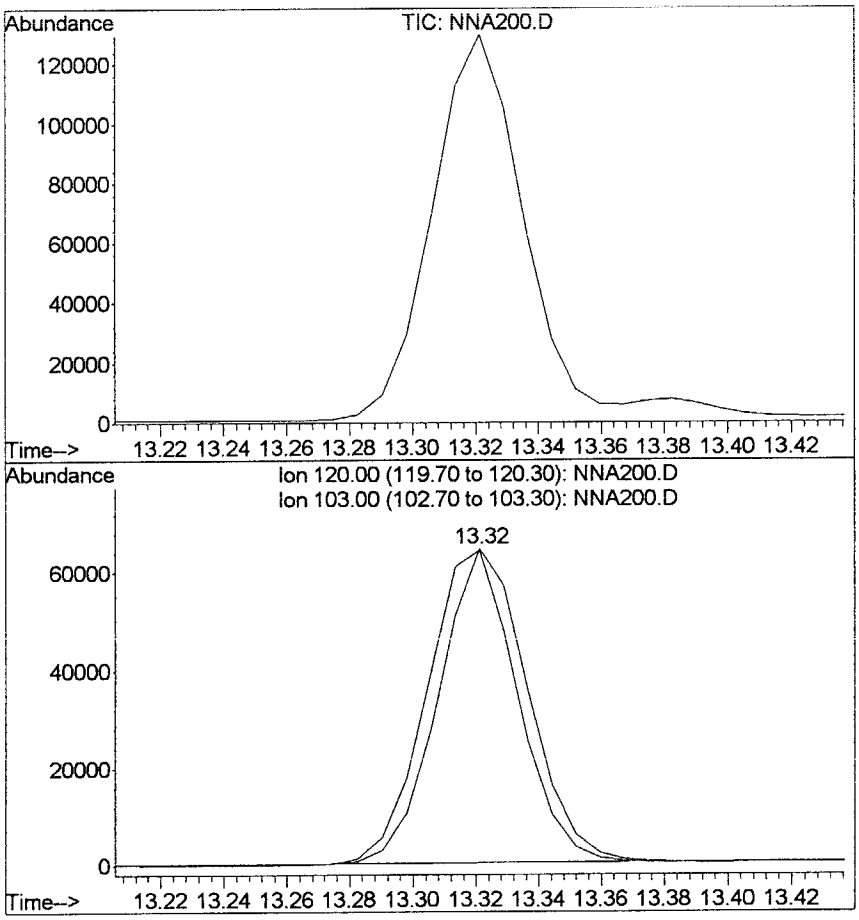
Ion	Ratio	Lower	Upper
92	100		
75	48.5	31.8	66.0



#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

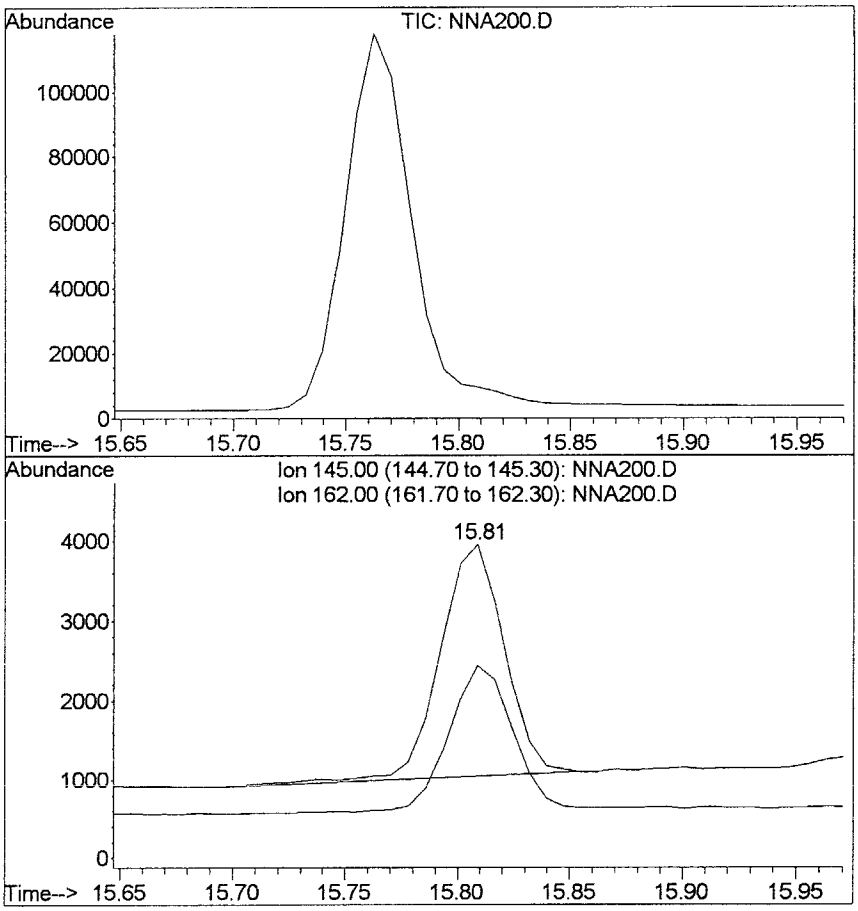
Ion	Ratio	Lower	Upper
113	100		
130	101.2	67.1	137.1



#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

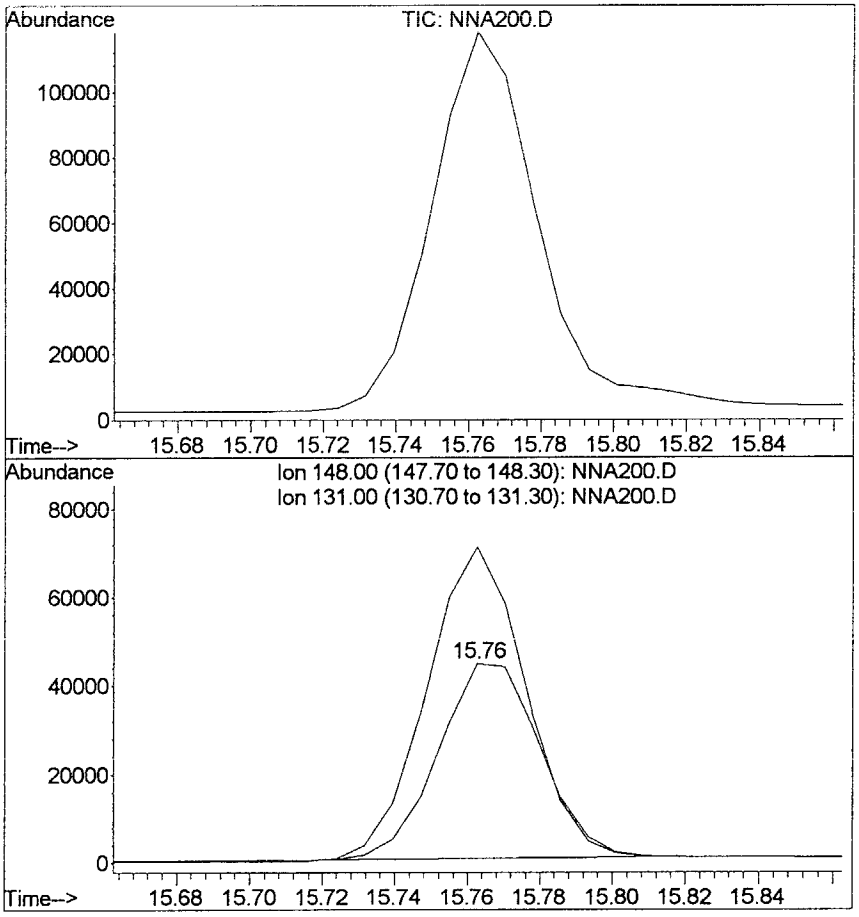
Ion	Ratio	Lower	Upper
120	100		
103	101.7	65.3	135.5



#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

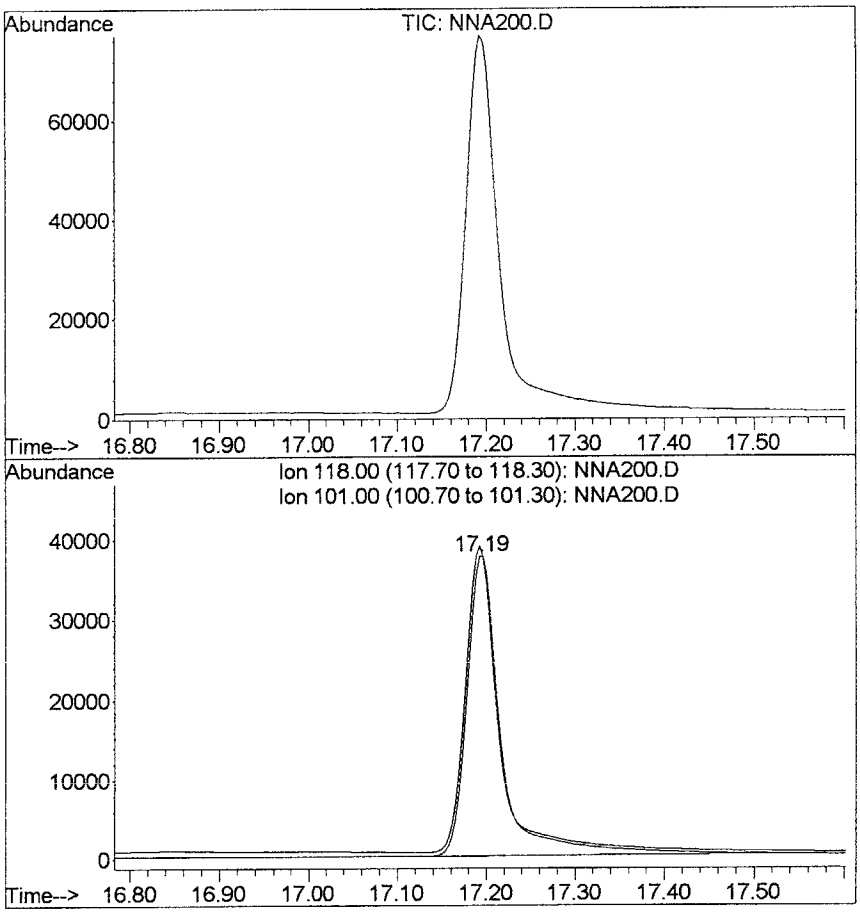
Ion	Ratio	Lower	Upper
145	100		
162	59.9	22.4	102.4



#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
Acq On : 14 Jun 2007 2:58 pm
Sample : 2ppb Std.# 7060219
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007

Vial: 3
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	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

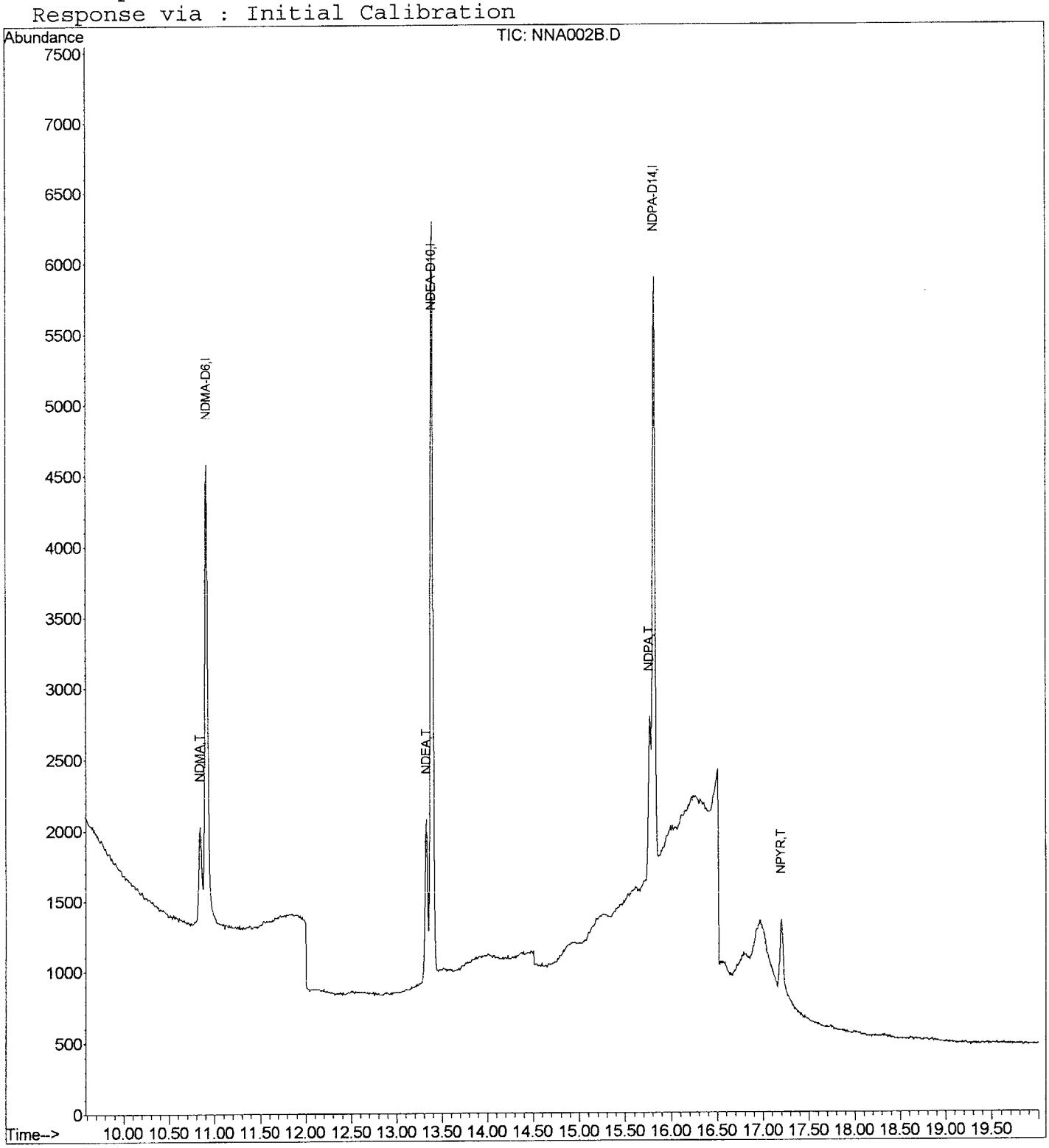
(#) = qualifier out of range (m) = manual integration

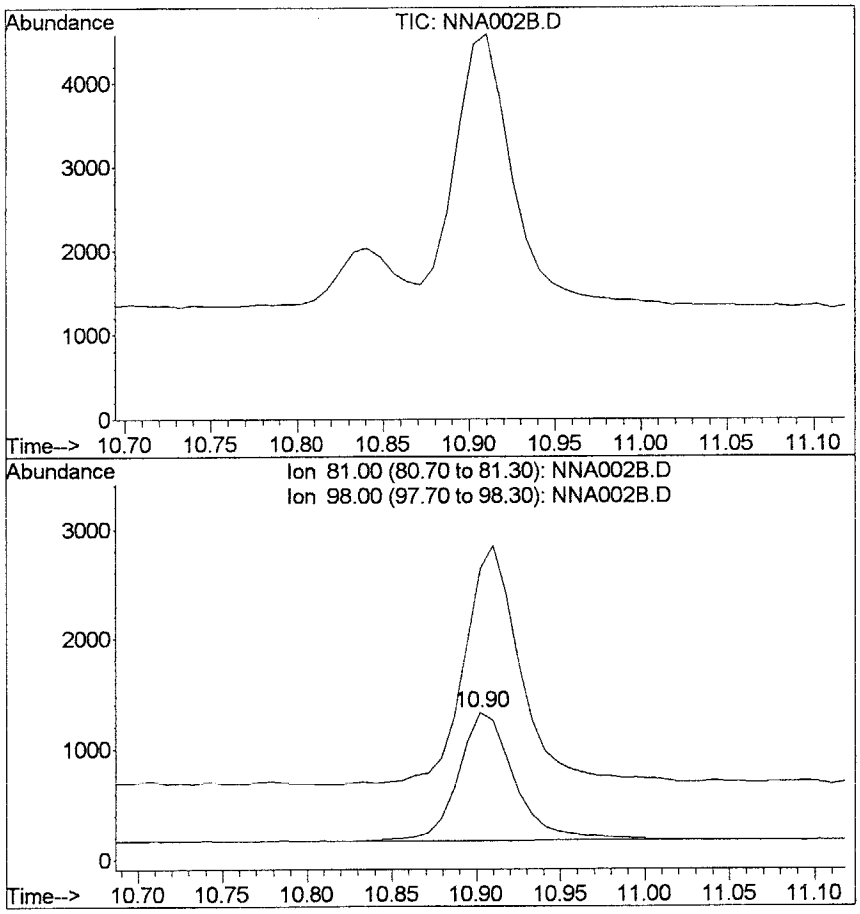
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUN14\NNA002B.D
Acq On : 14 Jun 2007 2:58 pm
Sample : 2ppb Std.# 7060219
Misc : n-Nitrosamines Water ICV
MS Integration Params: RTEINT2.P
Quant Time: Jun 14 16:25 2007

Vial: 3
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

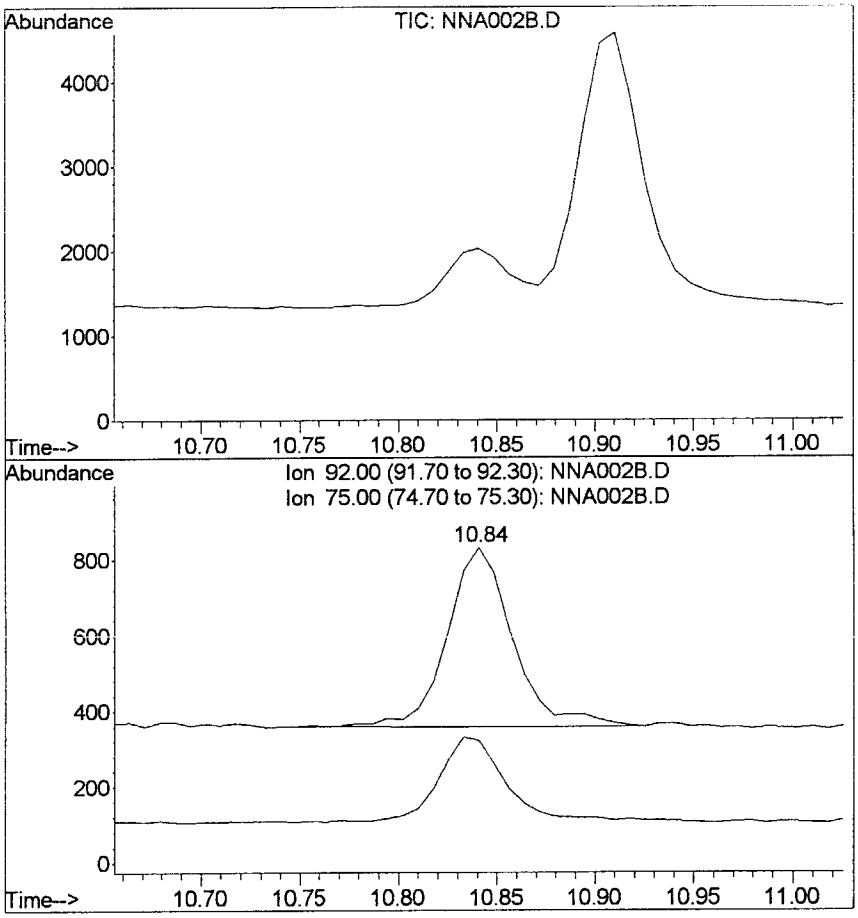




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.90 min Scan# 172
Delta R.T. 0.00 min
Lab File: NNA002B.D
Acq: 14 Jun 2007 2:58 pm

Tgt Ion: 81 Resp: 2696

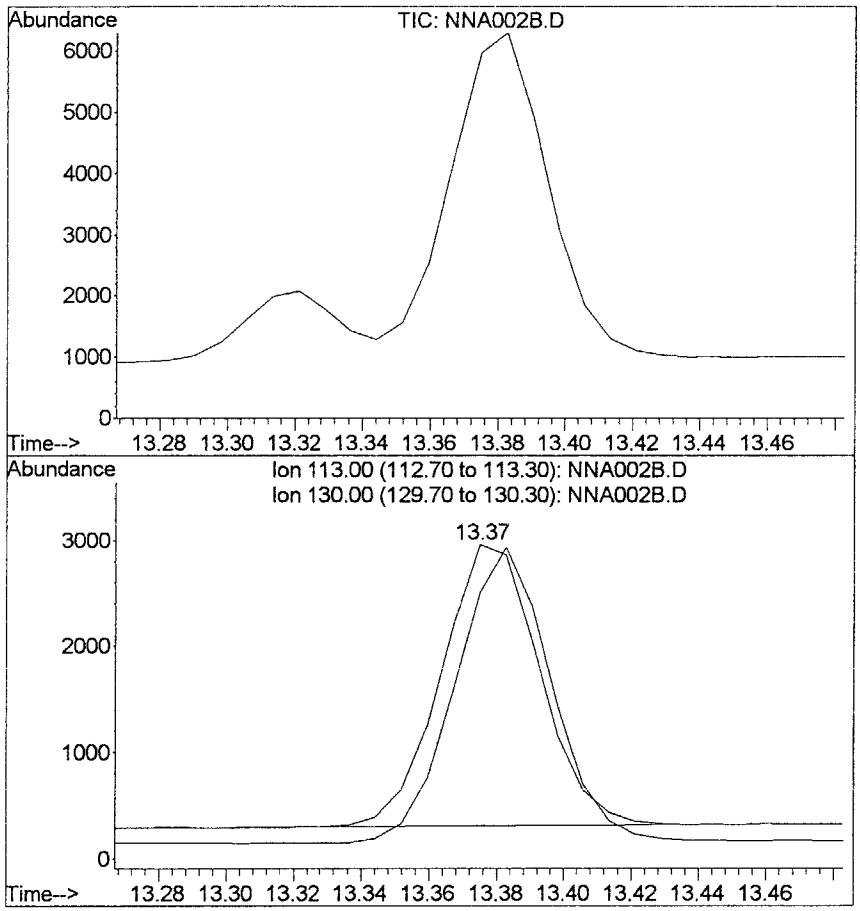
Ion	Ratio	Lower	Upper
81	100		
98	182.3	144.1	224.1



#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

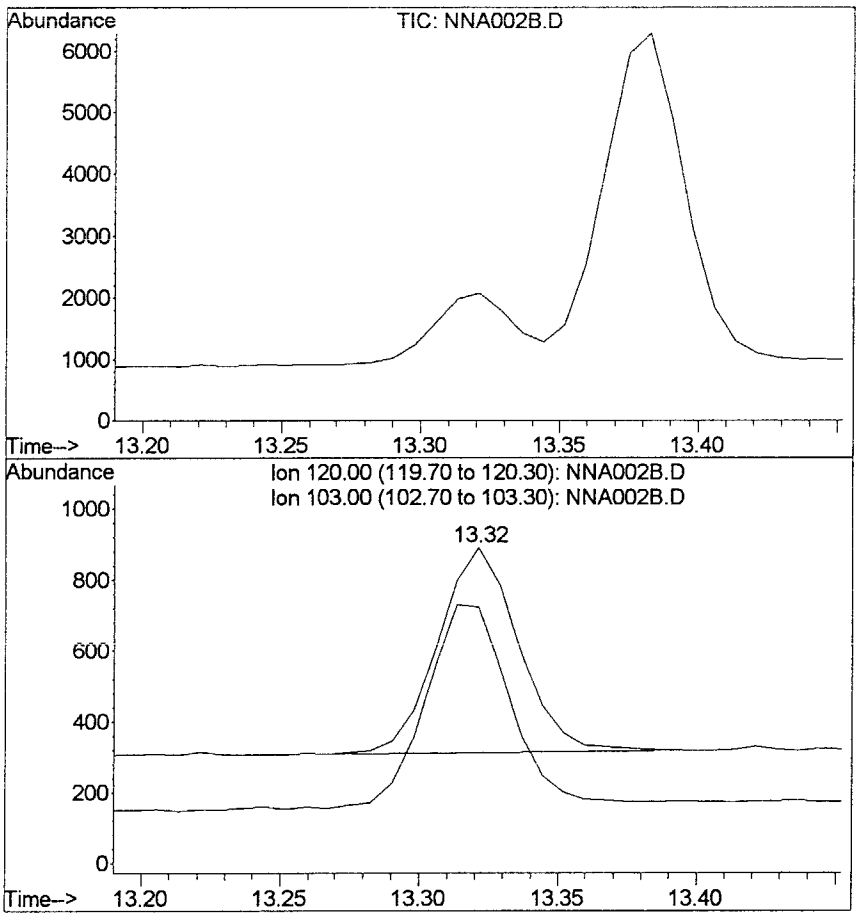
Ion	Ratio	Lower	Upper
92	100		
75	48.0	31.8	66.0



#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

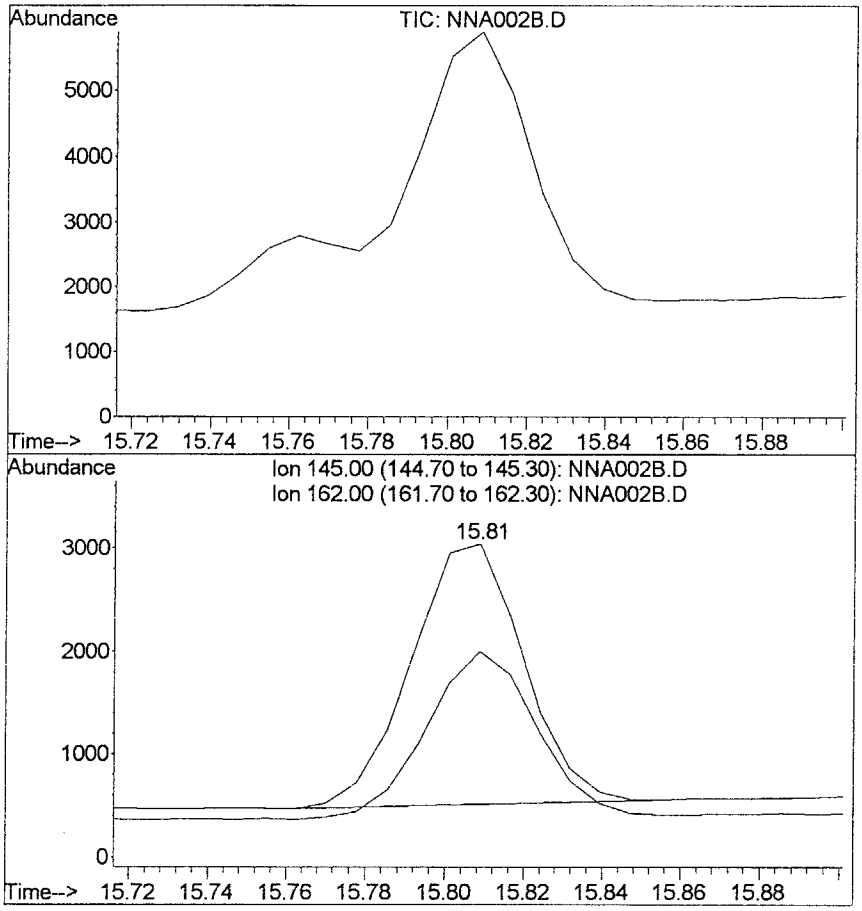
Ion	Ratio	Lower	Upper
113	100		
130	101.3	67.1	137.1



#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

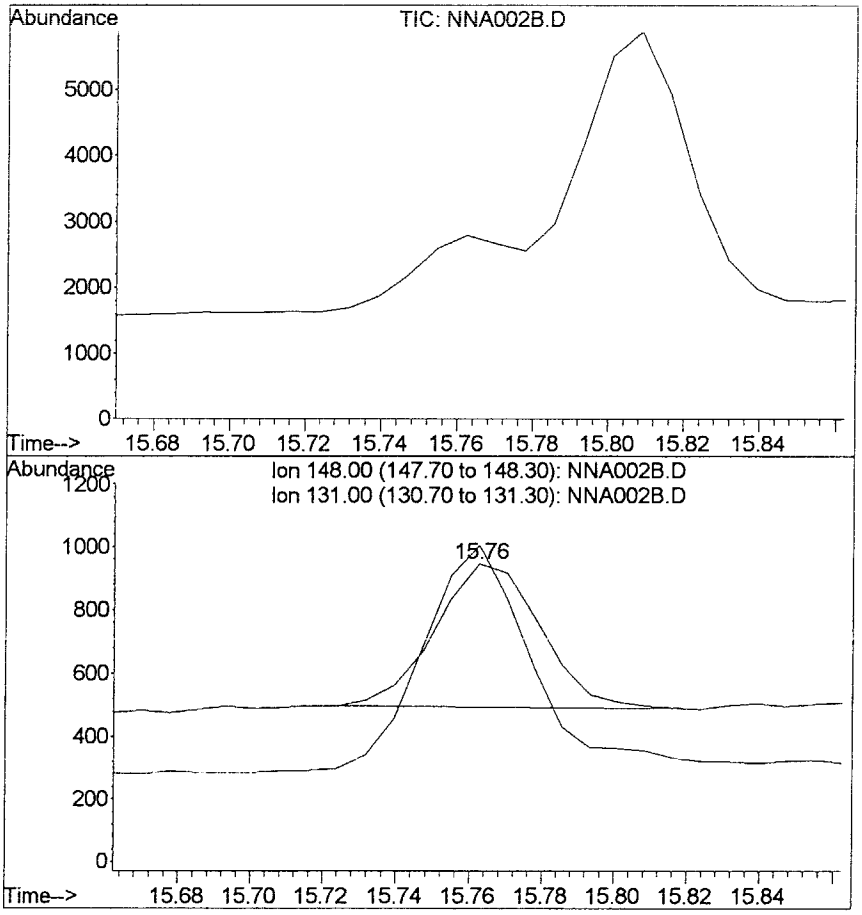
Ion	Ratio	Lower	Upper
120	100		
103	100.8	65.3	135.5



#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

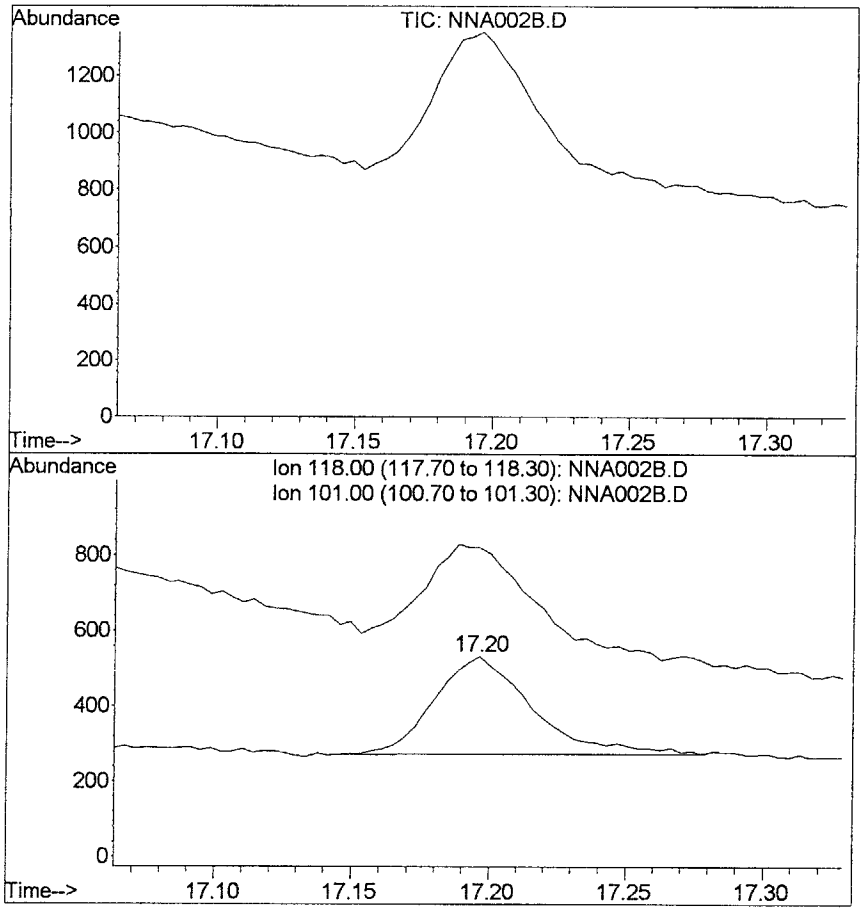
Ion	Ratio	Lower	Upper
145	100		
162	62.0	22.4	102.4



#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

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

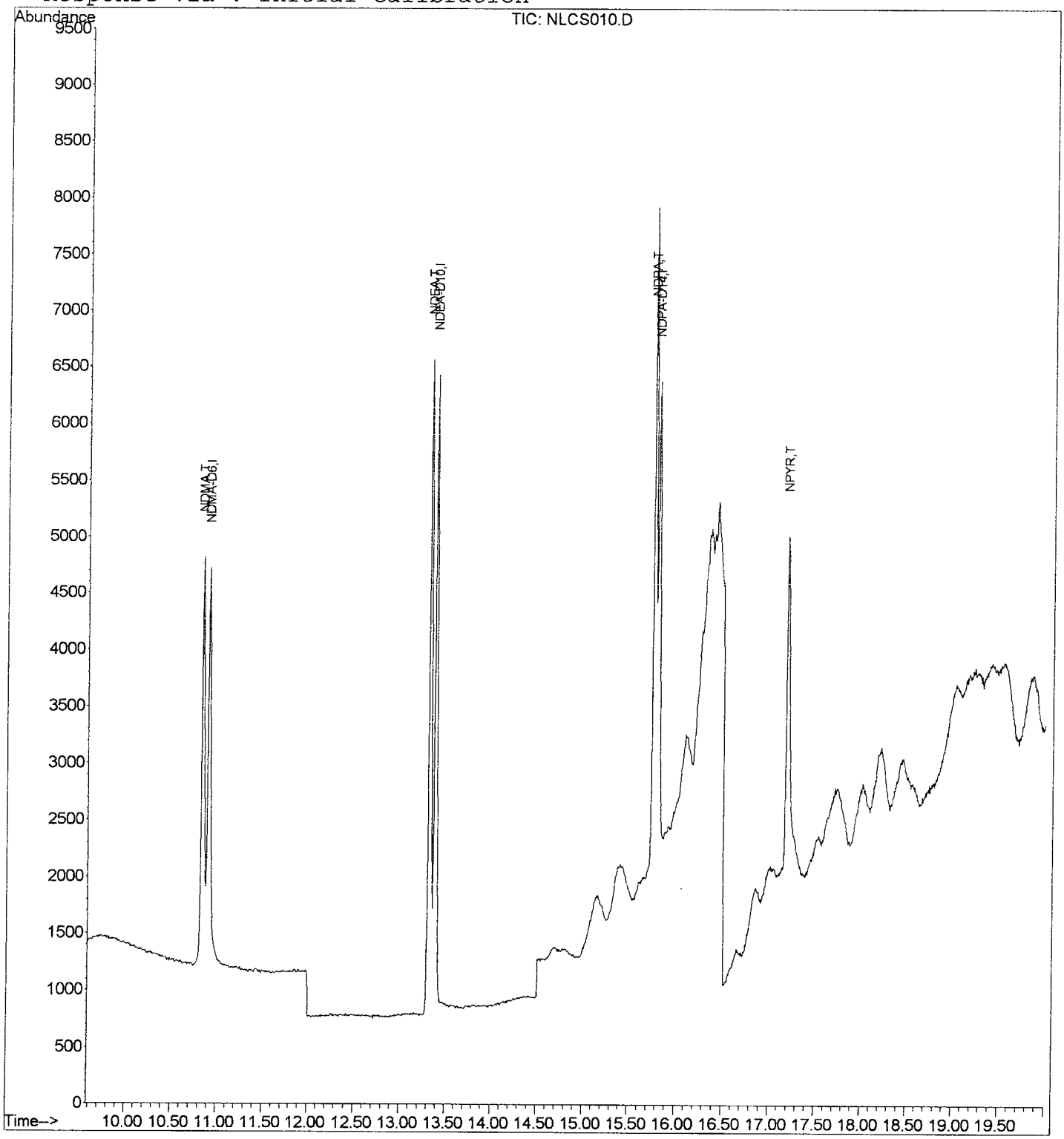
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2820	10.00	PPB	0.00
3) NDEA-D10	13.38	113	5489	10.00	PPB	0.00
5) NDPA-D14	15.81	145	4947	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.84	92	5604	9.93	PPB	100
4) NDEA	13.32	120	5824	9.90	PPB	99
6) NDPA	15.76	148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

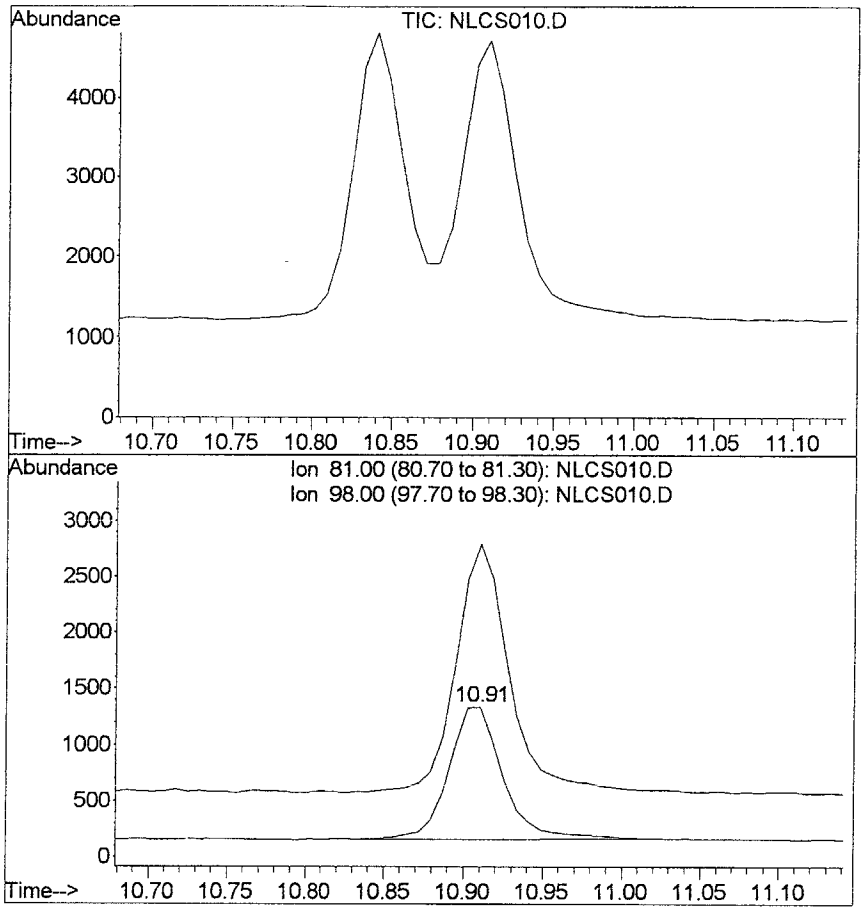
(#) = qualifier out of range (m) = manual integration
NLCS010.D C7F14NW.M Thu Jun 14 16:31:39 2007 Page 1

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

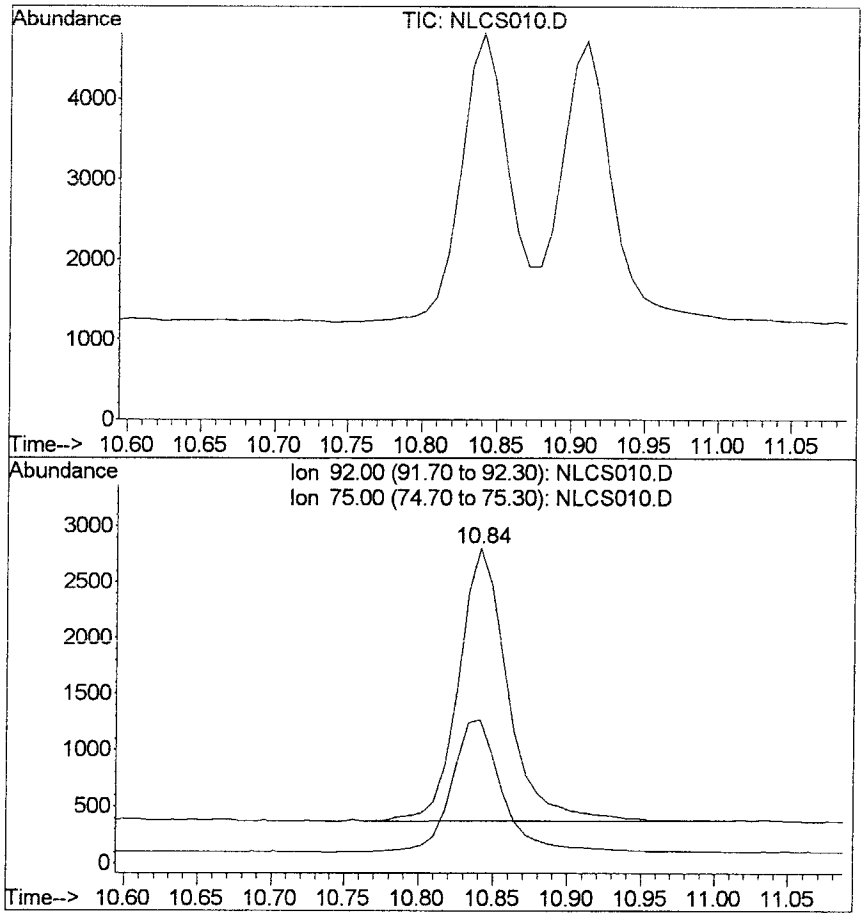




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NLCS010.D
Acq: 14 Jun 2007 12:21 pm

Tgt Ion: 81 Resp: 2820

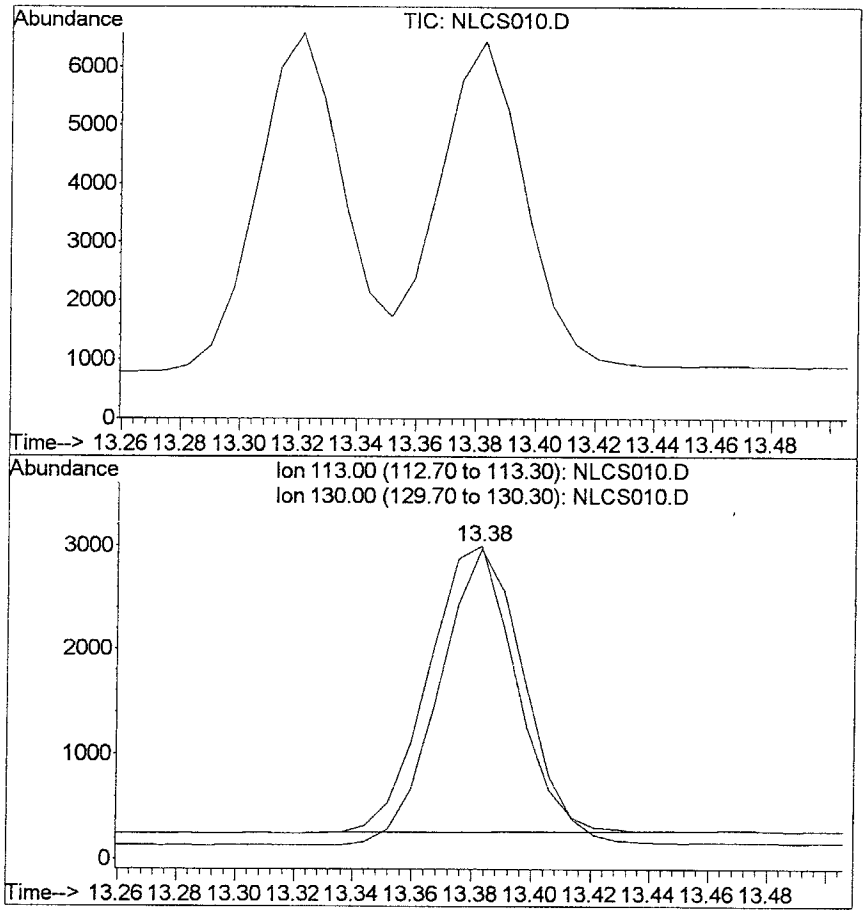
Ion	Ratio	Lower	Upper
81	100		
98	185.3	144.1	224.1



#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

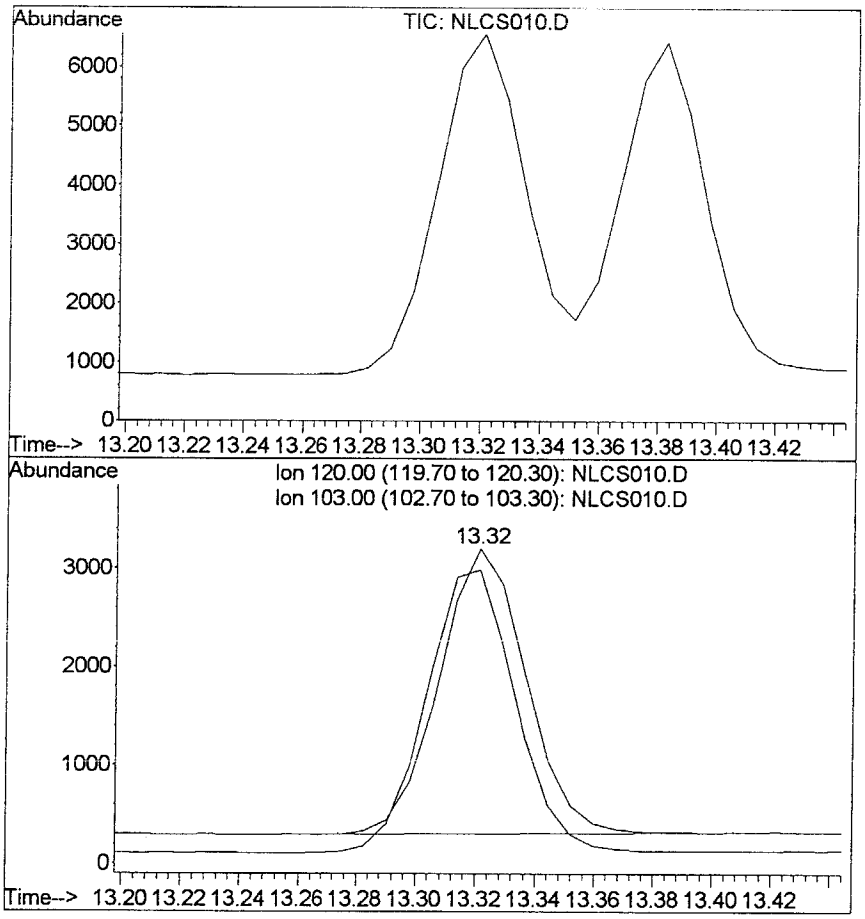
Ion	Ratio	Lower	Upper
92	100		
75	49.2	31.8	66.0



#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

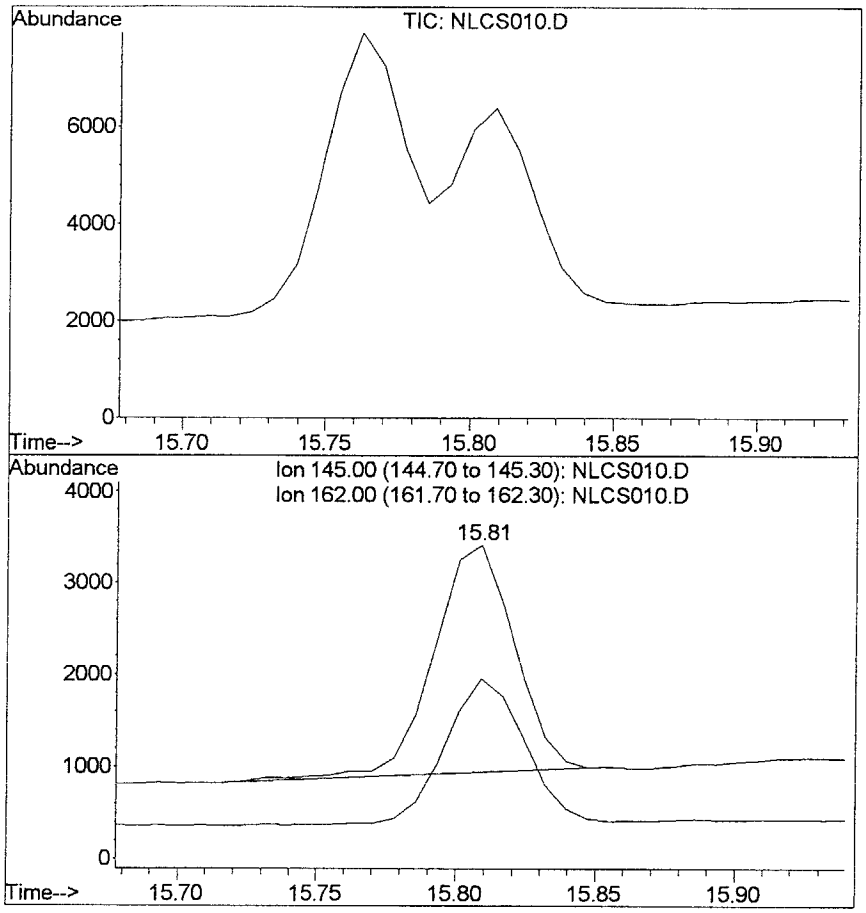
Ion	Ratio	Lower	Upper
113	100		
130	101.4	67.1	137.1



#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

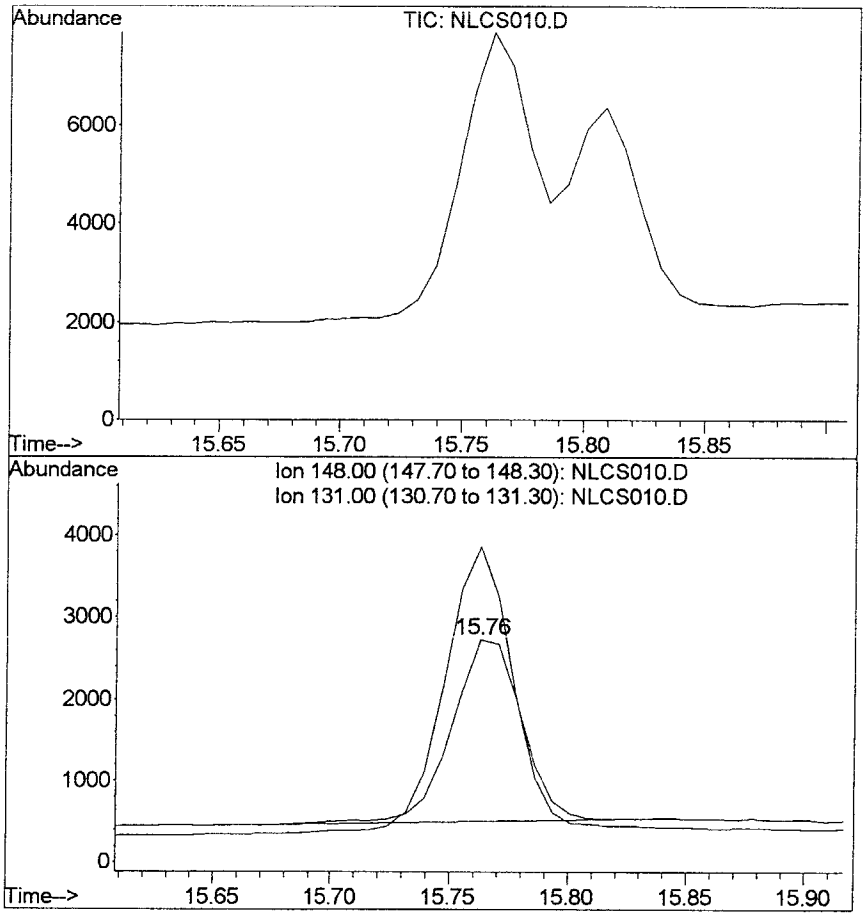
Ion	Ratio	Lower	Upper
120	100		
103	101.3	65.3	135.5



#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

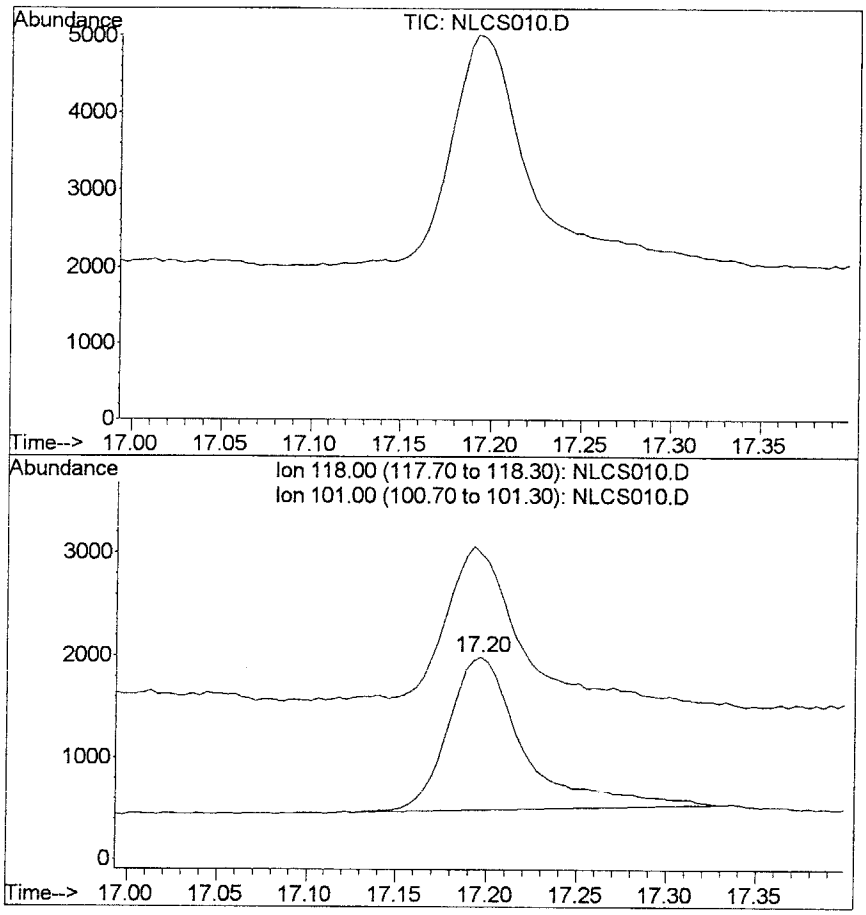
Ion	Ratio	Lower	Upper
145	100		
162	60.8	22.4	102.4



#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

GC/MS DAILY LOG SUMMARY

DATE: 07/11/07 **DATAFILE** C:\MSDCHEM\1 \DATA\ 07 JUL 11

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

#	SAMPLE NAME	Dil	FILENAME	S/W	CLIENT	Prep	Batch #	Posted	Rev'd	Comments
1	ICV STANDARD	***	NNA001	***	*****	IS area:	2389			
2	7G09091-BLK1	1X	C0711001	W	–	KS	09091	LB 7-11-07	7/12/07	
3	-BS1		02		–					
4	-BS2		03		–					
5	-BSD1		04		–					
6	1QG0057-01RE1		05							
7	7G10045-BLK1		06		–		10045	LB 7-12-07		
8	-BS1		07		–					
9	-BS2		08		–					
10	-BSD1		09		–					
11	1QG0586-03		10		–					
12	-04		11		–					
13	1QG0607-01		12		–					RX (7-12-07)
14	-02		13		–			LB 7-12-07	7/12/07	
15	-03		14		–					
16	-04		15		–					
17	-05		16		–					
18	1QG0447-02RE1		17		–					
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Standard Code: 7060221

Methylene Chloride Lot#: 072334

PREPARATION BENCH SHEET

7G10045

TestAmerica - Irvine, CA

Printed: 7/11/2007 4:31:29PM

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	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G10045-BLK1		QC	07/10/07 06:58	1000	1			0		0	100	JMH			HPLC water fisher 064074
7G10045-BS1		QC	07/10/07 06:58	1000	1		7030370	250	7040159	50	100				HPLC water fisher 064074
7G10045-BS2		QC	07/10/07 06:58	1000	1		7030370	50			100				HPLC water fisher 064074
7G10045-BSD1		QC	07/10/07 06:58	1000	1		7030370	250	7040159	50	100				HPLC water fisher 064074
IQG0447-02RE1	C	NDMA-1625C Mod	07/10/07 06:58	25	1						100				Use 25ml initial volume
															rl=2ng/l pH=6
IQG0586-03	H	NDMA-1625C Mod	07/10/07 06:58	1040	1						100				pH=7
IQG0586-04	H	NDMA-1625C Mod	07/10/07 06:58	1030	1						100				pH=7
IQG0606-01	Z	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				jflags pH=7
IQG0606-02	Z	8270C-1,4-Dioxane	07/10/07 06:58	1055	1						100				jflags pH=7
IQG0607-01	E	NDMA-1625C Mod	07/10/07 06:58	1060	1						100				pH=7
IQG0607-02	E	NDMA-1625C Mod	07/10/07 06:58	1060	1						100				pH=7
IQG0607-03	E	NDMA-1625C Mod	07/10/07 06:58	1050	1						100				pH=7
IQG0607-04	E	NDMA-1625C Mod	07/10/07 06:58	990	1						100				pH=7
IQG0607-05	E	NDMA-1625C Mod	07/10/07 06:58	995	1						100				pH=7
IQG0610-02	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-03	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-04	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-05	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-06	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-07	E	8270C-1,4-Dioxane	07/10/07 06:58	1040	1						100				pH=7

Spiking Witnessed By Date

JMH 7/11/07

Preparation Reviewed By Date

Extracts Received By Date

PREPARATION BENCH SHEET

7G10045

TestAmerica - Irvine, CA

Printed: 7/11/2007 4:31:29PM

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	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
IQG0610-08	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100	SMU			pH=7
IQG0610-09	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-10	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7
IQG0610-11	E	8270C-1,4-Dioxane	07/10/07 06:58	1050	1						100				pH=7

Reagents used in Batch

Reagent	Description	Solvent

Base heat start 7/10/07 @ 1500
stop 7/11/07 @ 0900
MeCl2 fisher 067673
NaOH jtb C11676
Na2SO4 emd 46361707
NDMA surrogate 7060499
1,4 surrogate 7060473

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

PREPARATION BENCH SHEET

7G10045

TestAmerica - Irvine, CA

Printed: 7/10/2007 7:19:33AM

7060499
7060473 ~~(No Surrogate)~~

Matrix: Water

Prepared using: Extractions - EPA 3520C

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G10045-BLK1		QC	07/10/07 06:58	1000	1			0		0	100	JMH			HPLC WATER FISHER 064074
7G10045-BS1		QC	07/10/07 06:58	1000	1		7030370	250	7040159	50					
7G10045-BS2		QC	07/10/07 06:58	1000	1			50							
7G10045-BSD1		QC	07/10/07 06:58	1000	1			250	7040159	50					
IQG0586-03	H	NDMA-1625C Mod	07/10/07 06:58	1040 ~~1000~~	1										PH = 7
IQG0586-04	H	NDMA-1625C Mod	07/10/07 06:58	1030 ~~1000~~	1										PH = 7
IQG0606-01	Z	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										jflags PH = 7
IQG0606-02	Z	8270C-1,4-Dioxane	07/10/07 06:58	1055 ~~1000~~	1										jflags PH = 7
IQG0607-01	E	NDMA-1625C Mod	07/10/07 06:58	1060 ~~1000~~	1										PH = 7
IQG0607-02	E	NDMA-1625C Mod	07/10/07 06:58	1060 ~~1000~~	1										PH = 7
IQG0607-03	E	NDMA-1625C Mod	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0607-04	E	NDMA-1625C Mod	07/10/07 06:58	990 ~~1000~~	1										PH = 7
IQG0607-05	E	NDMA-1625C Mod	07/10/07 06:58	995 ~~1000~~	1										PH = 7
IQG0610-02	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0610-03	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0610-04	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0610-05	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0610-06	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7
IQG0610-07	E	8270C-1,4-Dioxane	07/10/07 06:58	1040 ~~1000~~	1										PH = 7
IQG0610-08	E	8270C-1,4-Dioxane	07/10/07 06:58	1050 ~~1000~~	1										PH = 7

JMH 7/10/07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

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PREPARATION BENCH SHEET

7G10045

TestAmerica - Irvine, CA

Printed: 7/10/2007 7:19:33AM

Matrix: Water

Prepared using: Extractions - EPA 3520C

(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
IQG0610-09	E	8270C-1,4-Dioxane	07/10/07 06:58	~~1000~~ 1050	1						100	JMH			PH=7
IQG0610-10	E	8270C-1,4-Dioxane	07/10/07 06:58	~~1000~~ 1050	1										PH=7
IQG0610-11	E	8270C-1,4-Dioxane	07/10/07 06:58	~~1000~~ 1050	1										PH=7
~~IQG0610-12~~	~~E~~	~~8270C-1,4-Dioxane~~	~~07/10/07 06:58~~	~~1000~~ 1035	1										~~PH=7~~ REMOVE

447-02 REI 25 ml. PH=6

MeCl2 Fisher 067673

NaOH JTB C11676

Na2SO4 EMD 46361707

Base Heat started 7/10/07 @ 1500

Stop. 7/11/07 @ 0900

~~Acid Heat start 7/11/07 @~~

~~Stop. 7/12/07 @~~

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

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GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\07JUL11\NNA010.D
Tune Time : 11 Jul 2007 2:12 pm

Daily Calibration File : C:\MSDCHEM\1\DATA\07JUL11\NNA010.D

File	Sample	Internal Standard Responses		
		2389	4658	4845
C0711001.D	7G09091-BLK1	2371	5236	5859
C0711002.D	7G09091-BS1	2530	5348	6027
C0711003.D	7G09091-BS2	2578	5502	5741
C0711004.D	7G09091-BSD1	2649	5544	5906
C0711005.D	IQG0057-01RE	2741	6057	6249
C0711006.D	7G10045-BLK1	1902	3868	4073
C0711007.D	7G10045-BS1	2021	4199	4340
C0711008.D	7G10045-BS2	1847	3853	4189
C0711009.D	7G10045-BSD1	1775	3624	3803
C0711010.D	IQG0586-03	1729	3572	3663
C0711011.D	IQG0586-04	1626	3503	3654
C0711012.D	IQG0607-01	18*	168*	24*
C0711013.D	IQG0607-02	1705	3581	3757
C0711014.D	IQG0607-03	1512	3266	3312
C0711015.D	IQG0607-04	1561	3366	3545
C0711016.D	IQG0607-05	1779	3732	3782
C0711017.D	IQG0447-02RE	1737	3816	4025

- fails 12hr time check * - fails criteria

Created: Thu Aug 09 11:40:07 2007 gcms37

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

Data File: NNA010.D
Method File: C7F14NW

Instrument: gcms37
Date: 7/11/2007 14:12

Name	Conc.	Response	% Rec.	QC Limits
NDMA	10.00	10.01	100.1	(80-120)
NDEA	10.00	10.36	103.6	(80-120)
NDPA	10.00	8.88	88.8	(80-120)
NPYR	10.00	7.97	79.7	(80-120)

*Denotes value out of acceptance limit.

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

2nd Level Review:	DK	Analyst:	LB
Date:	7/12/07	Analysis Date:	07-11-07
QC Batches:	7G09091 ; 7G10045	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:

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\NNA010.D Vial: 1
Acq On : 11 Jul 2007 2:12 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 11 14:33 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

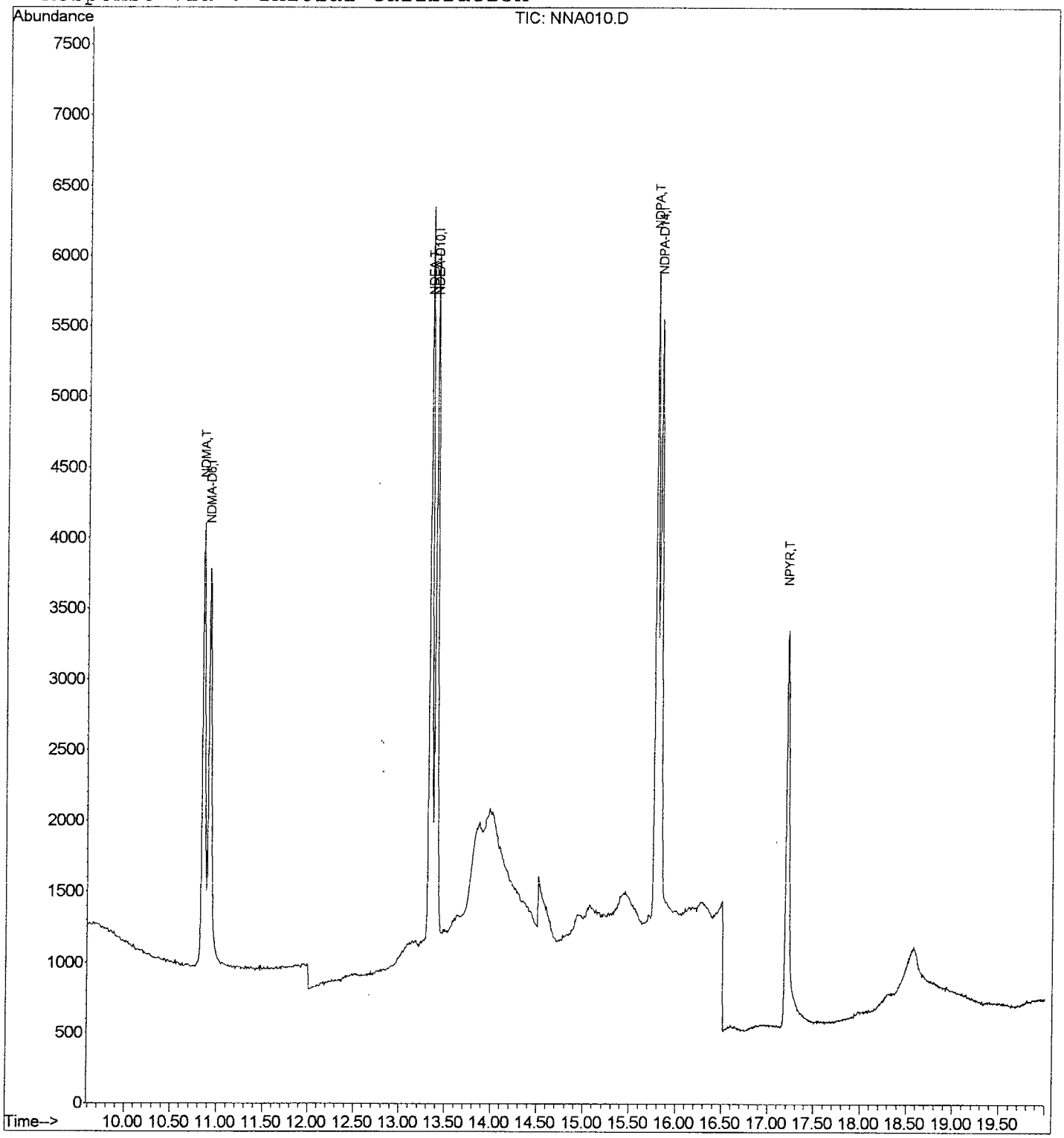
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2389	10.00	PPB	0.00
3) NDEA-D10	13.39	113	4658	10.00	PPB	0.02
5) NDPA-D14	15.82	145	4845	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.85	92	4785	10.01	PPB	99
4) NDEA	13.33	120	5174	10.36	PPB	98
6) NDPA	15.77	148	3459	8.88	PPB	100
7) NPYR	17.20	118	3090	7.97	PPB	79

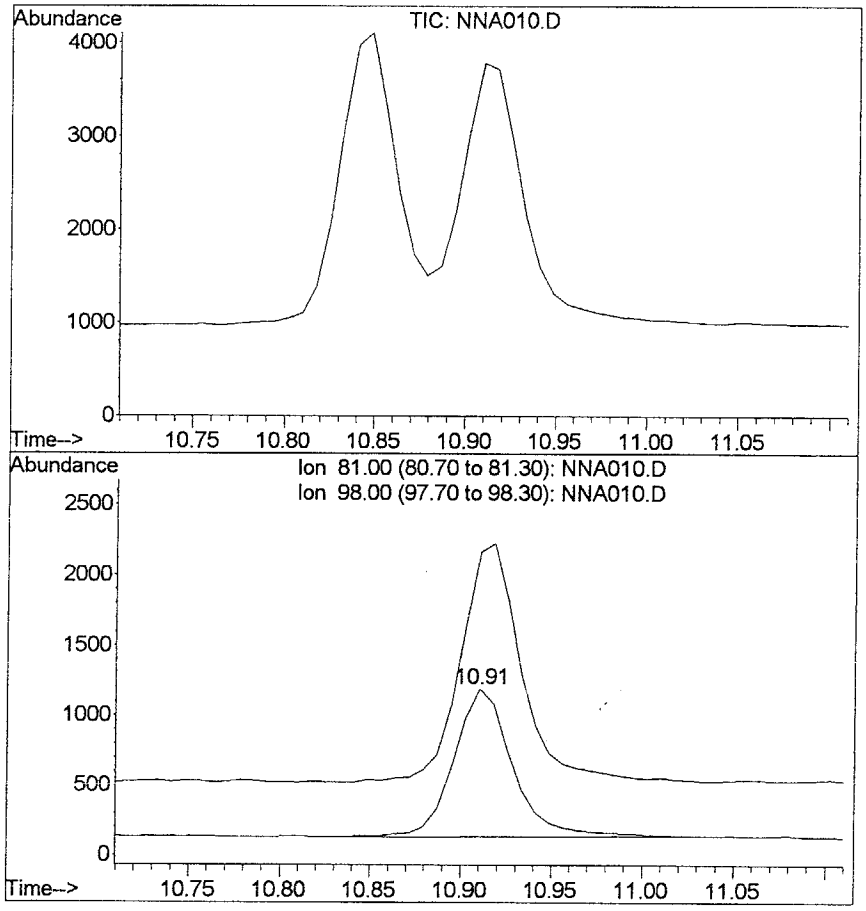
(#) = qualifier out of range (m) = manual integration
NNA010.D C7F14NW.M Wed Jul 11 14:33:10 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\NNA010.D Vial: 1
Acq On : 11 Jul 2007 2:12 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 11 14:33 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

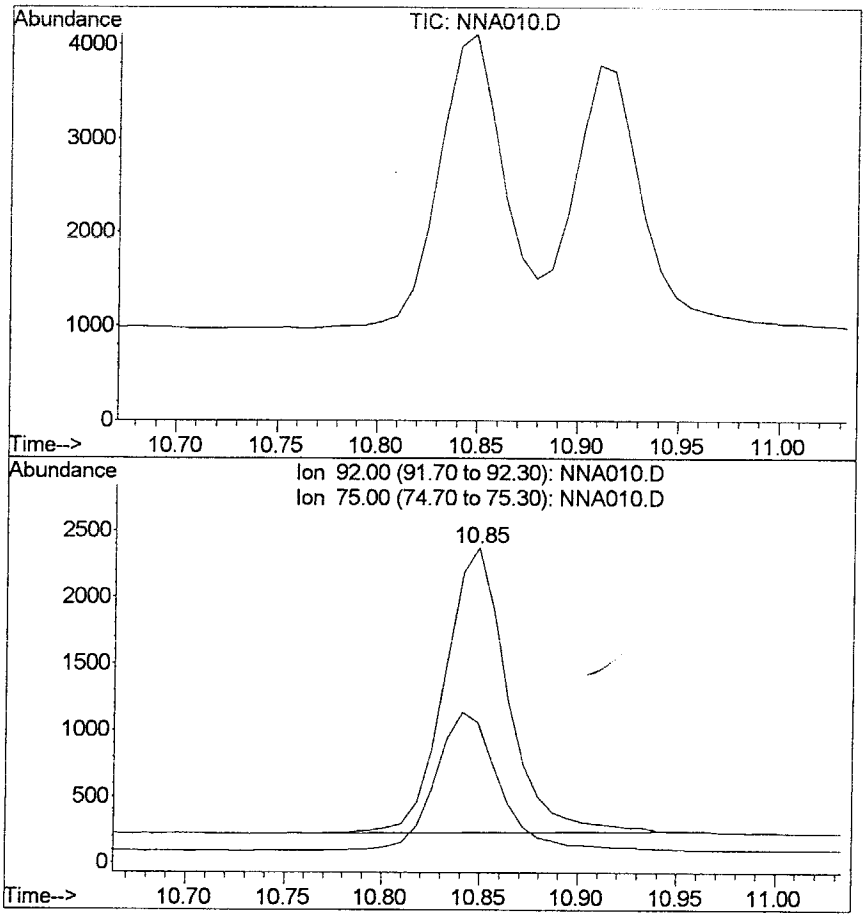




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 81 Resp: 2389

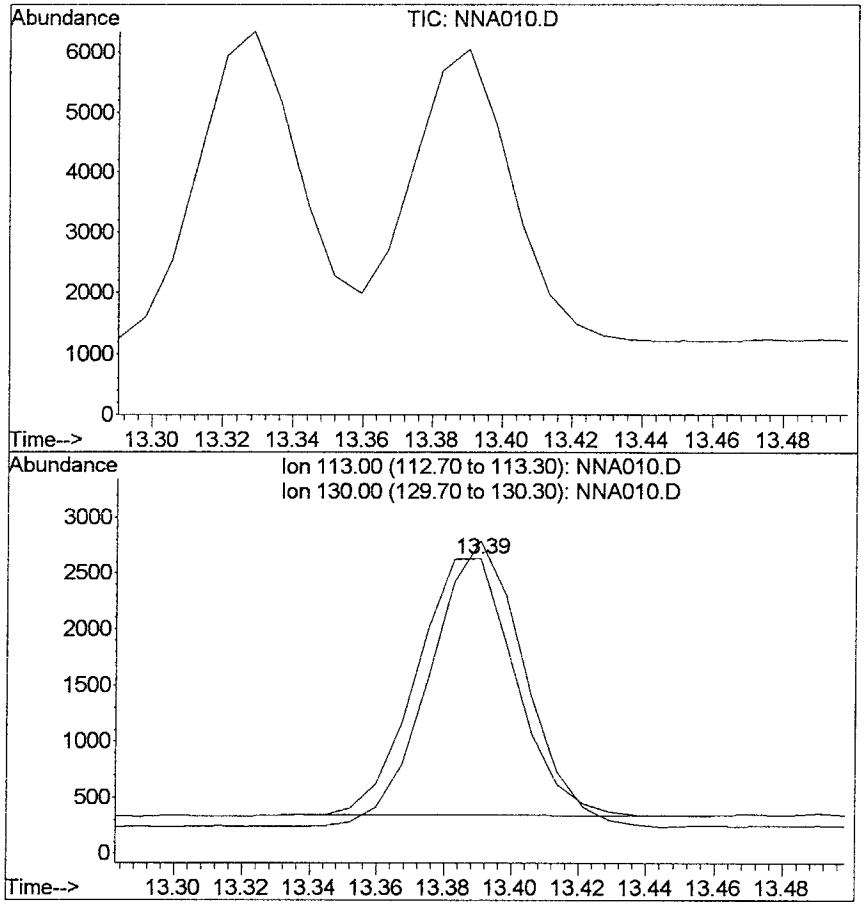
Ion	Ratio	Lower	Upper
81	100		
98	165.8	144.1	224.1



#2
NDMA
Concen: 10.01 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 92 Resp: 4785

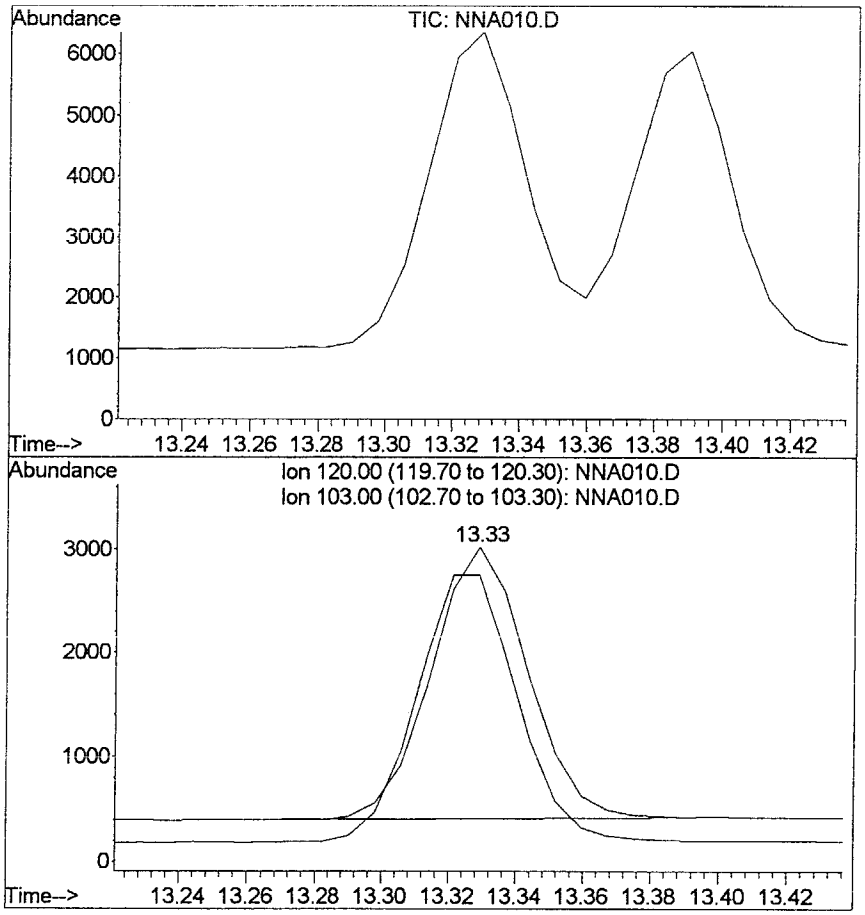
Ion	Ratio	Lower	Upper
92	100		
75	49.9	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:113 Resp: 4658

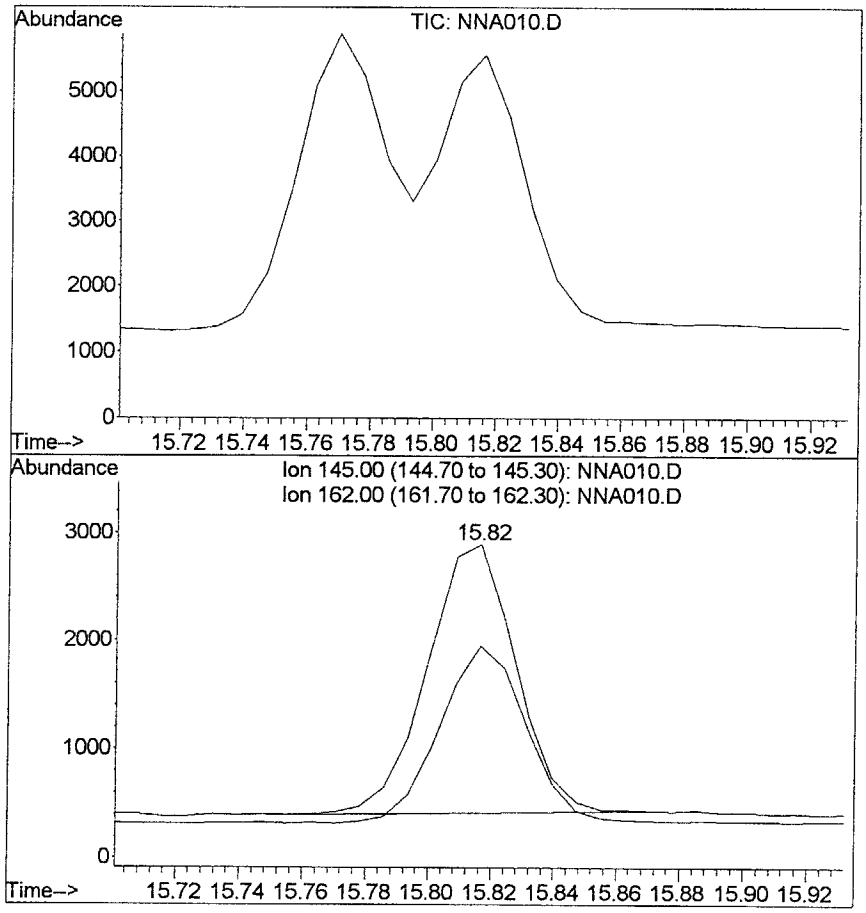
Ion	Ratio	Lower	Upper
113	100		
130	106.9	67.1	137.1



#4
NDEA
Concen: 10.36 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:120 Resp: 5174

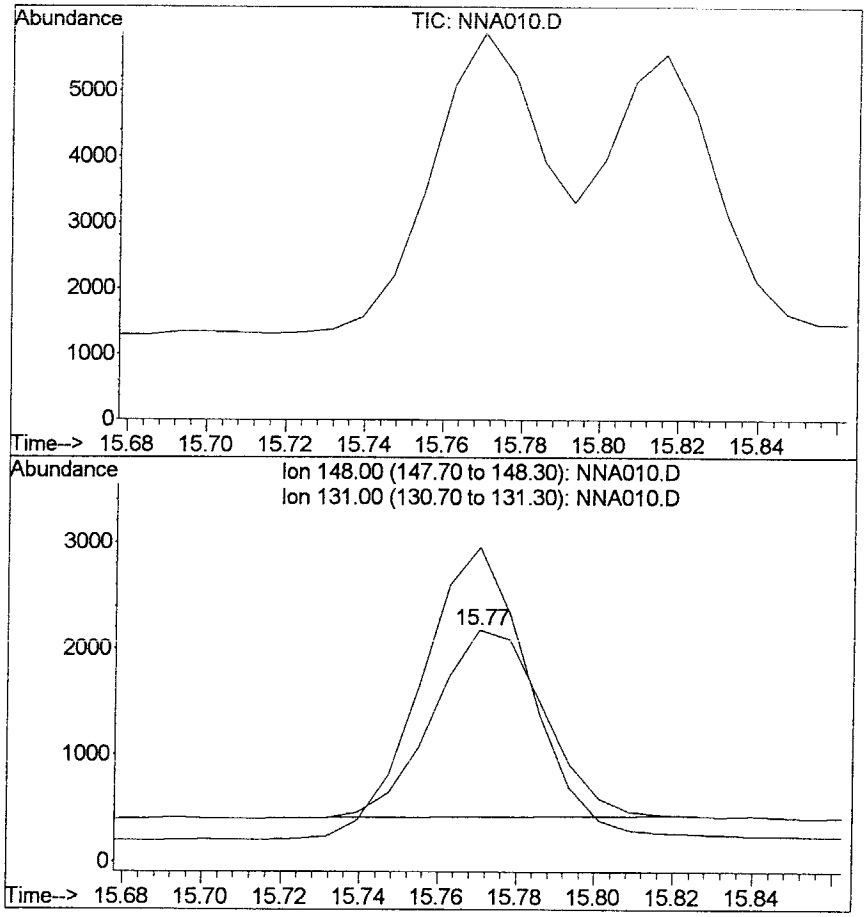
Ion	Ratio	Lower	Upper
120	100		
103	102.3	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:145 Resp: 4845

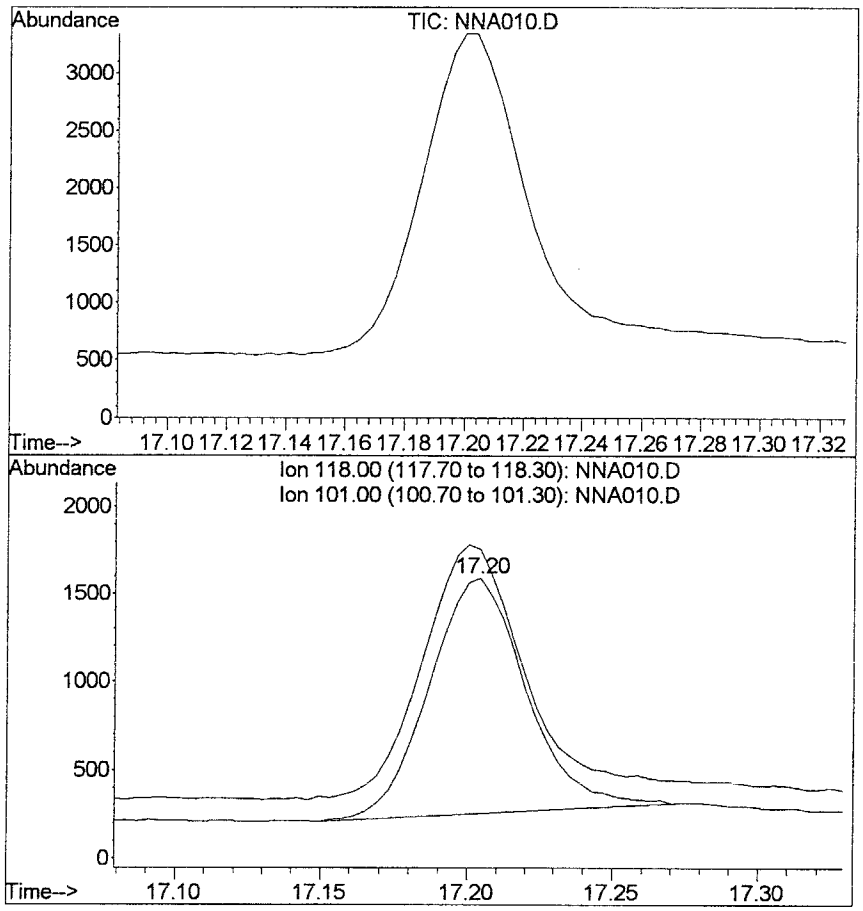
Ion	Ratio	Lower	Upper
145	100		
162	63.8	22.4	102.4



#6
NDPA
Concen: 8.88 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:148 Resp: 3459

Ion	Ratio	Lower	Upper
148	100		
131	153.2	99.8	207.2



#7
NPYR
Concen: 7.97 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:118 Resp: 3090

Ion	Ratio	Lower	Upper
118	100		
101	116.4	62.6	130.0

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\07JUL11\NNA010.D Vial: 1
Acq On : 11 Jul 2007 2:12 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	85	0.00
2	T	NDMA	2.002	2.003	-0.0	81	0.02
3	I	NDEA-D10	1.000	1.000	0.0	86	0.02
4	T	NDEA	1.072	1.111	-3.6	85	0.00
5	I	NDPA-D14	1.000	1.000	0.0	99	0.00
6	T	NDPA	0.804	0.714	11.2	76	0.00
7	T	NPYR	0.800	0.638	20.3	77	0.00

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711006.D Vial: 7
Acq On : 11 Jul 2007 4:33 pm Operator: DF/AI
Sample : 7G10045-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 11 16:55 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

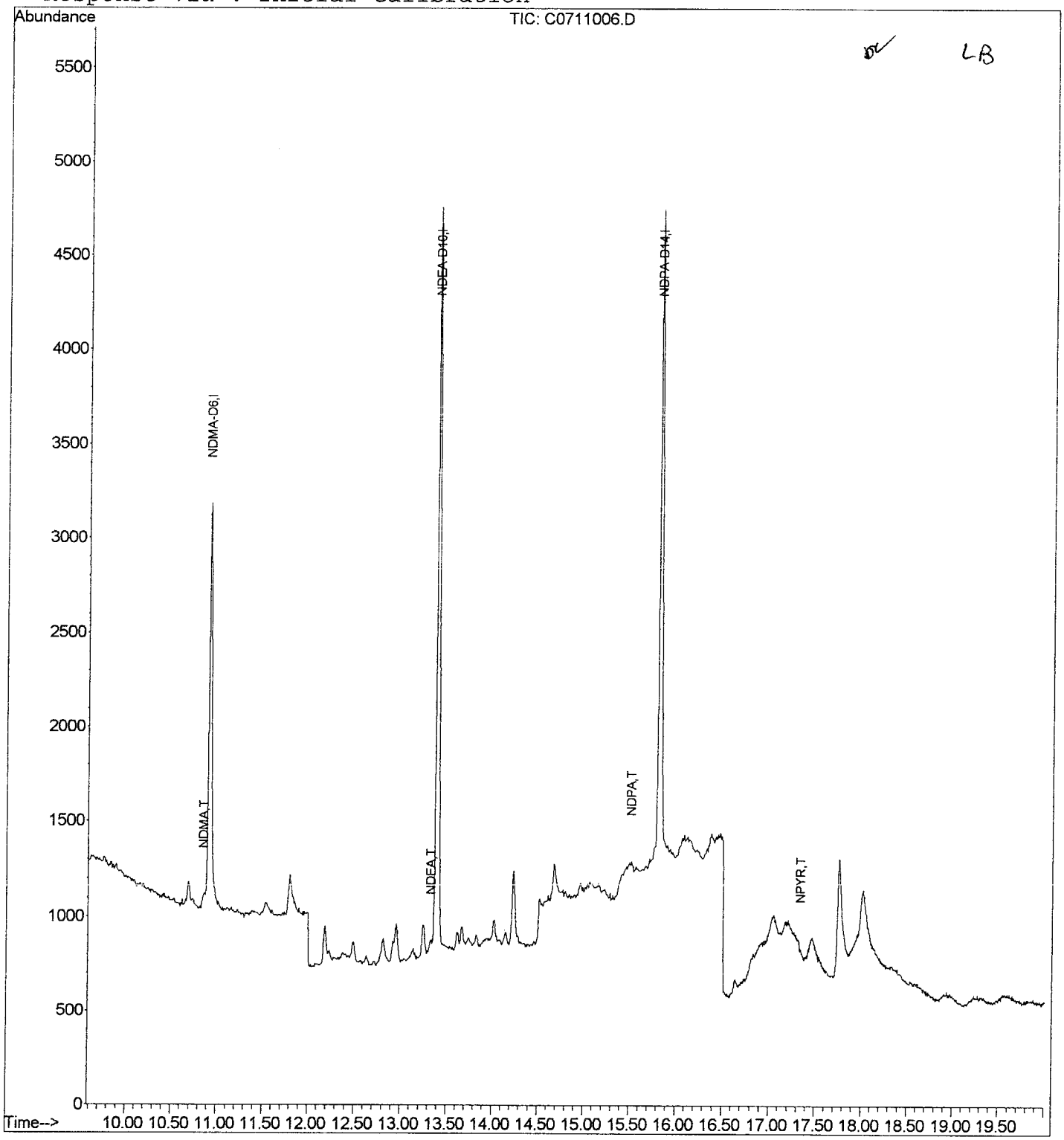
Internal Standards	R.T.	QIon	Response	Conc	Units		LB Dev(Min)
1) NDMA-D6	10.91	81	1902	10.00	PPB		0.00
3) NDEA-D10	13.38	113	3868	10.00	PPB		0.00
5) NDPA-D14	15.82	145	4073	10.00	PPB		0.00
Target Compounds							Qvalue
2) NDMA	10.85	92	100	0.26	PPB		93
4) NDEA	13.32	120	110	0.27	PPB	#	55
6) NDPA	15.52	148	48	0.15	PPB		78
7) NPYR	17.34	118	11	0.03	PPB	#	2

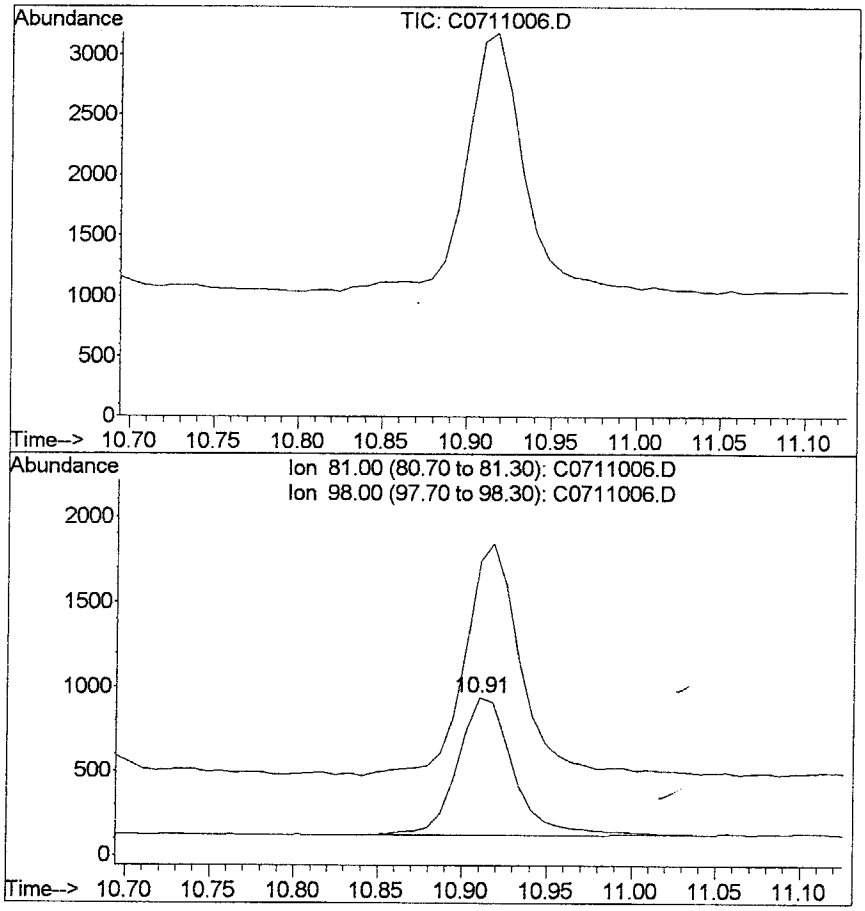
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711006.D Vial: 7
Acq On : 11 Jul 2007 4:33 pm Operator: DF/AI
Sample : 7G10045-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 11 16:55 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

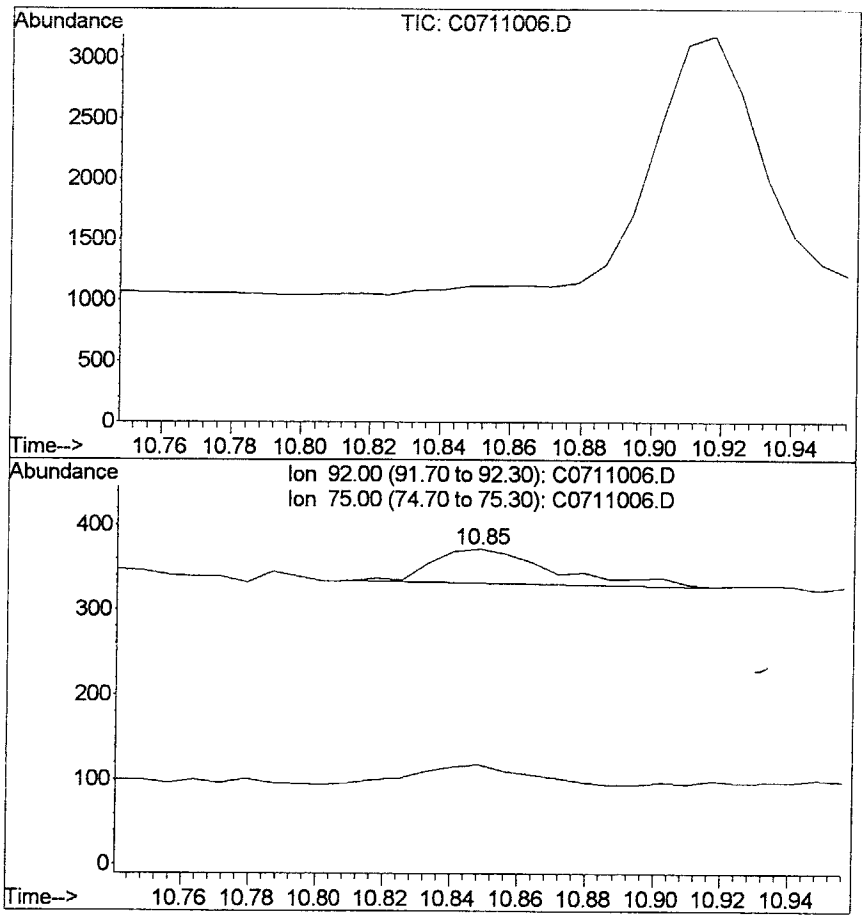




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion: 81 Resp: 1902

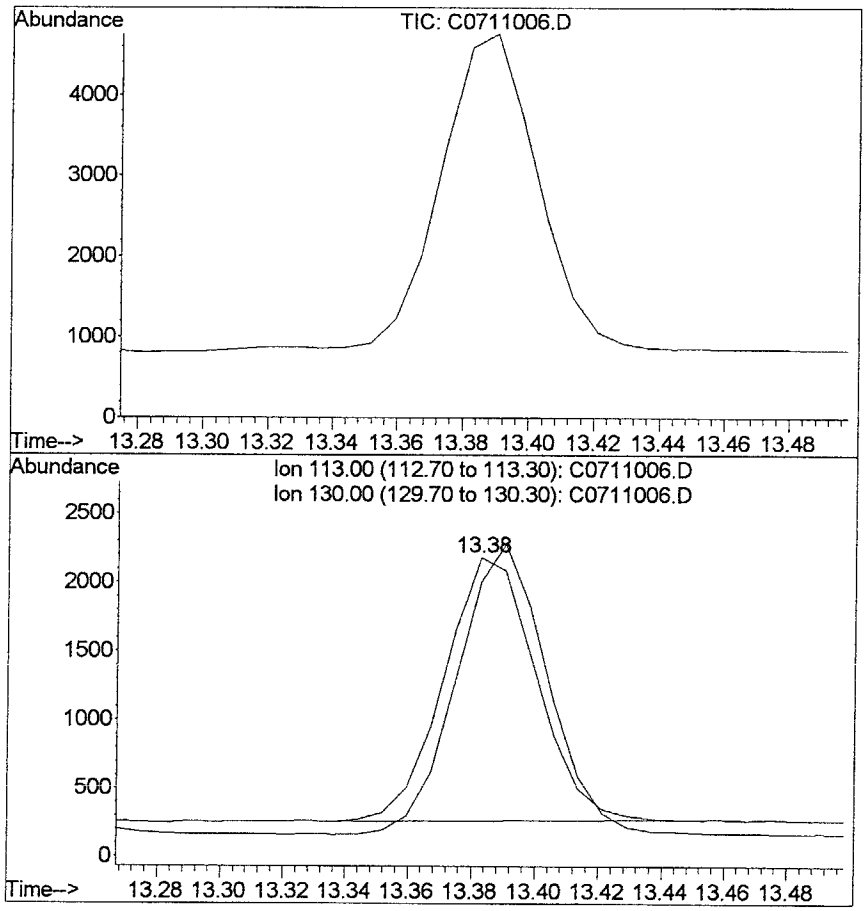
Ion	Ratio	Lower	Upper
81	100		
98	167.7	144.1	224.1



#2
NDMA
Concen: 0.26 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion: 92 Resp: 100

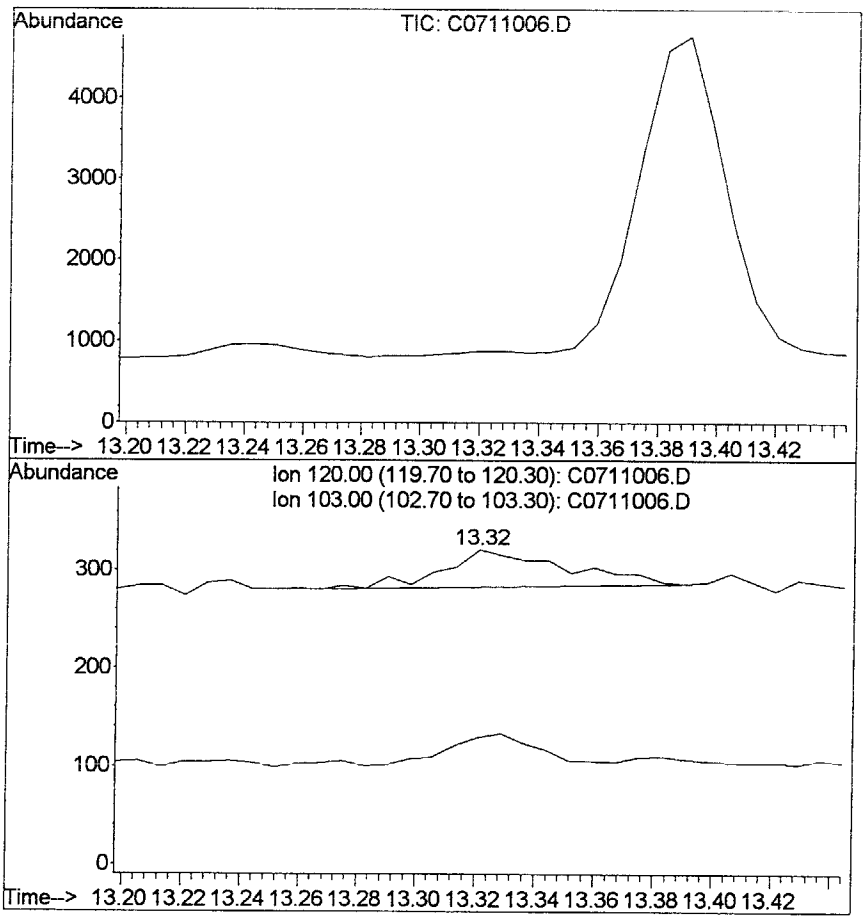
Ion	Ratio	Lower	Upper
92	100		
75	54.0	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion:113 Resp: 3868

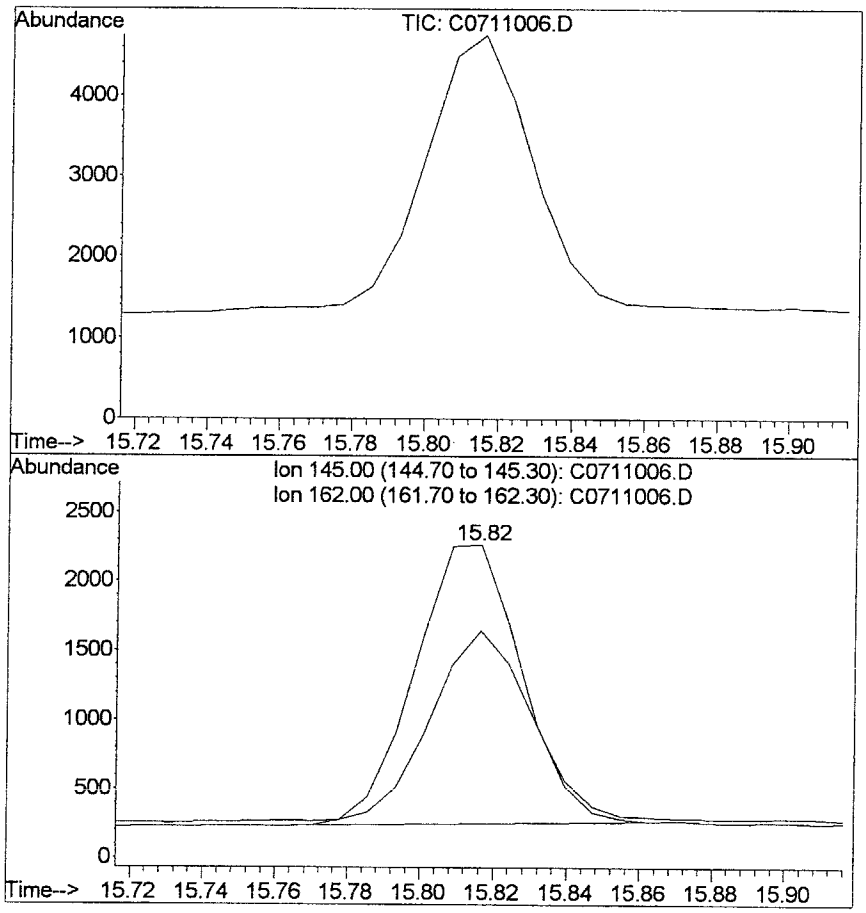
Ion	Ratio	Lower	Upper
113	100		
130	108.0	67.1	137.1



#4
NDEA
Concen: 0.27 PPB
RT: 13.32 min Scan# 486
Delta R.T. -0.00 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion:120 Resp: 110

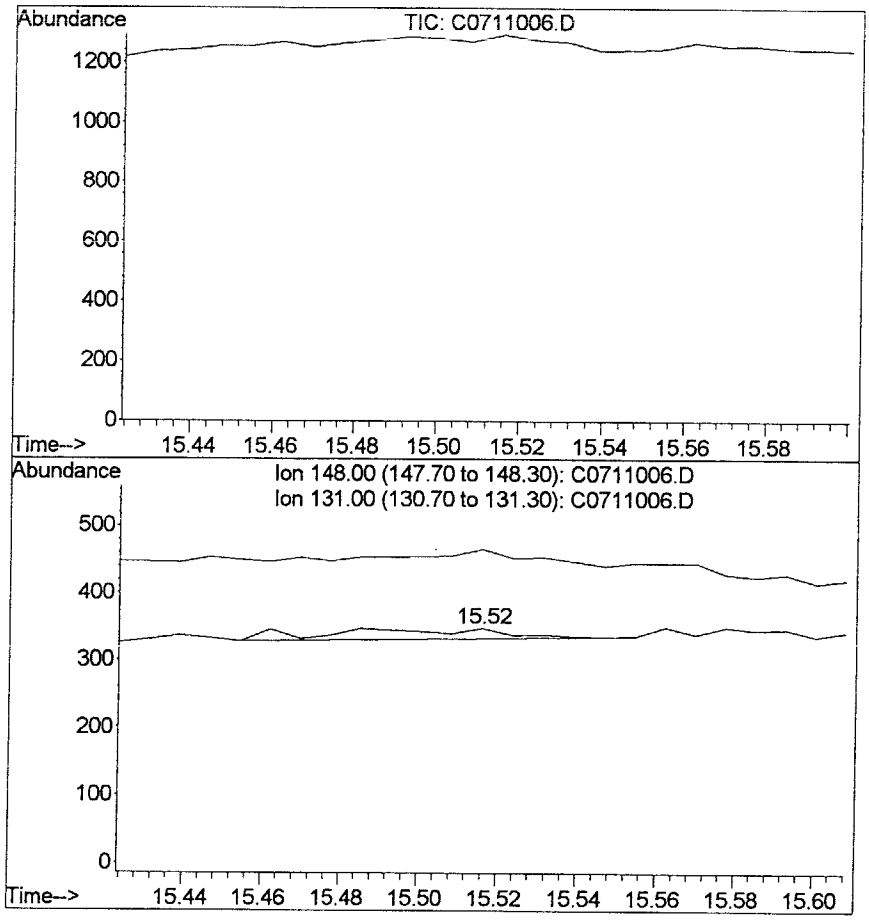
Ion	Ratio	Lower	Upper
120	100		
103	55.5	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion:145 Resp: 4073

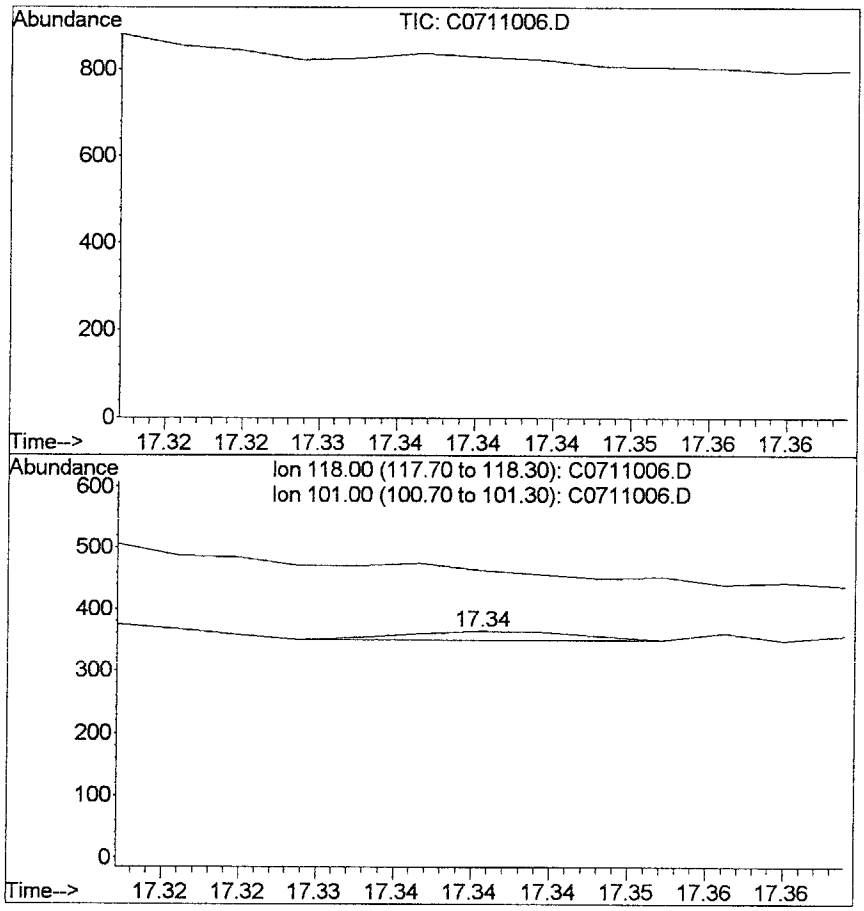
Ion	Ratio	Lower	Upper
145	100		
162	64.4	22.4	102.4



#6
NDPA
Concen: 0.15 PPB
RT: 15.52 min Scan# 771
Delta R.T. -0.25 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion:148 Resp: 48

Ion	Ratio	Lower	Upper
148	100		
131	125.0	99.8	207.2



#7
NPYR
Concen: 0.03 PPB
RT: 17.34 min Scan# 1113
Delta R.T. 0.14 min
Lab File: C0711006.D
Acq: 11 Jul 2007 4:33 pm

Tgt Ion:118 Resp: 11

Ion	Ratio	Lower	Upper
118	100		
101	0.0	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711007.D Vial: 8
Acq On : 11 Jul 2007 4:56 pm Operator: DF/AI
Sample : 7G10045-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 11 17:25 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 16:31:25 2007
Response via : Initial Calibration
DataAcq Meth : C7F14NW

LB

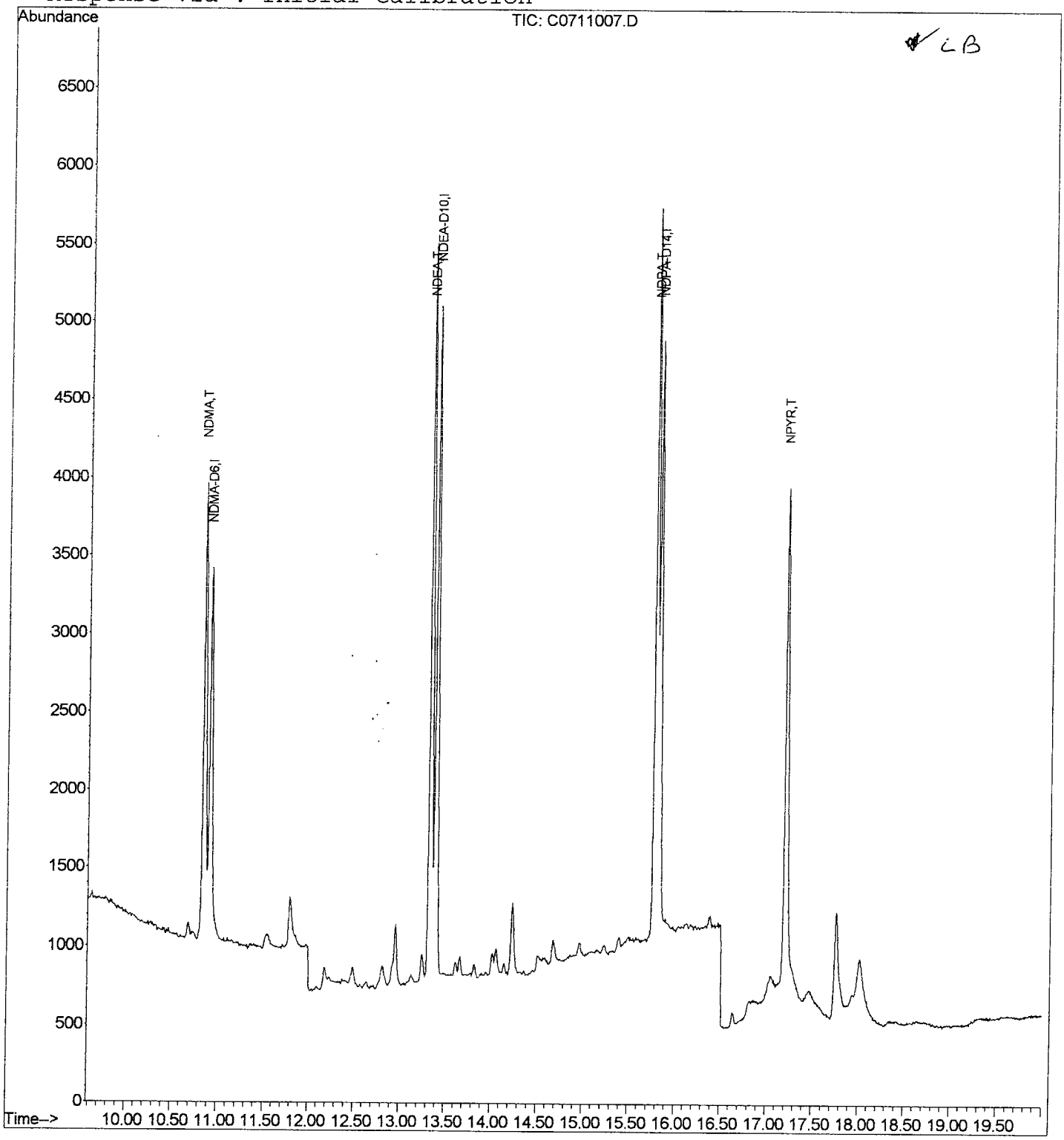
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2021	10.00 PPB	0.00
3) NDEA-D10	13.39	113	4199	10.00 PPB	0.02
5) NDPA-D14	15.82	145	4340	10.00 PPB	0.00
Target Compounds					Qvalue
2) NDMA	10.85	92	4441	10.98 PPB	98
4) NDEA	13.33	120	4672	10.38 PPB	97
6) NDPA	15.77	148	3562	10.21 PPB	99
7) NPYR	17.20	118	3868	11.14 PPB	100

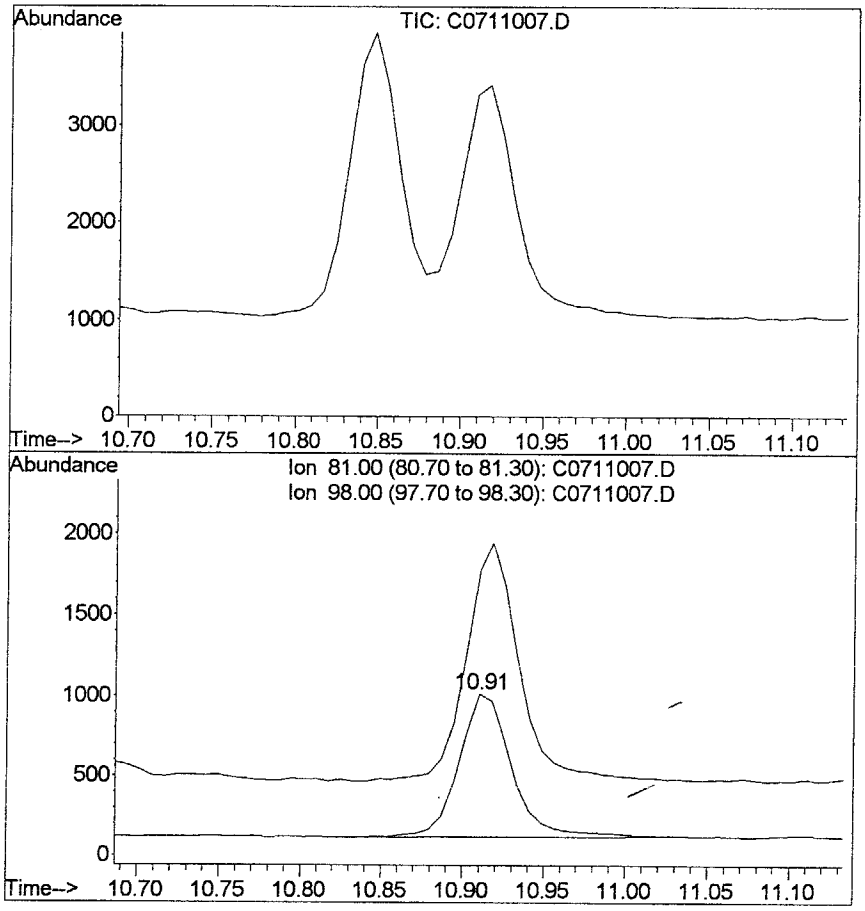
(#) = qualifier out of range (m) = manual integration
C0711007.D C7F14NW.M Wed Jul 11 17:25:54 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711007.D Vial: 8
Acq On : 11 Jul 2007 4:56 pm Operator: DF/AI
Sample : 7G10045-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 11 17:25 2007 Quant Results File: C7F14NW.RES

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

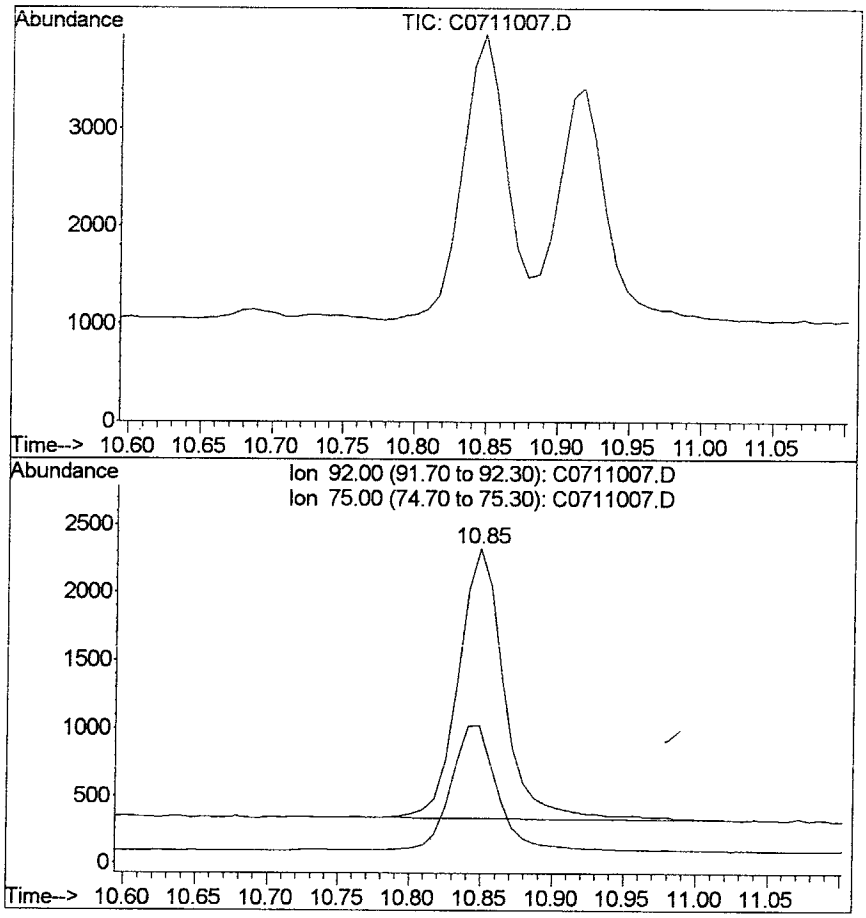




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion: 81 Resp: 2021

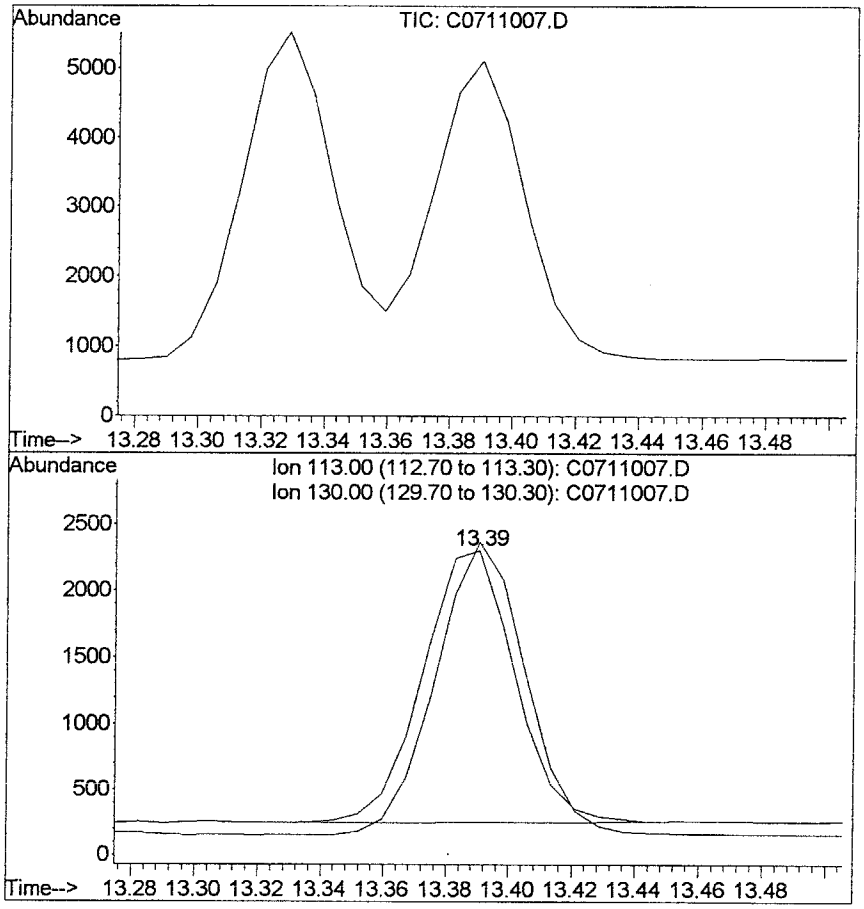
Ion	Ratio	Lower	Upper
81	100		
98	165.3	144.1	224.1



#2
NDMA
Concen: 10.98 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion: 92 Resp: 4441

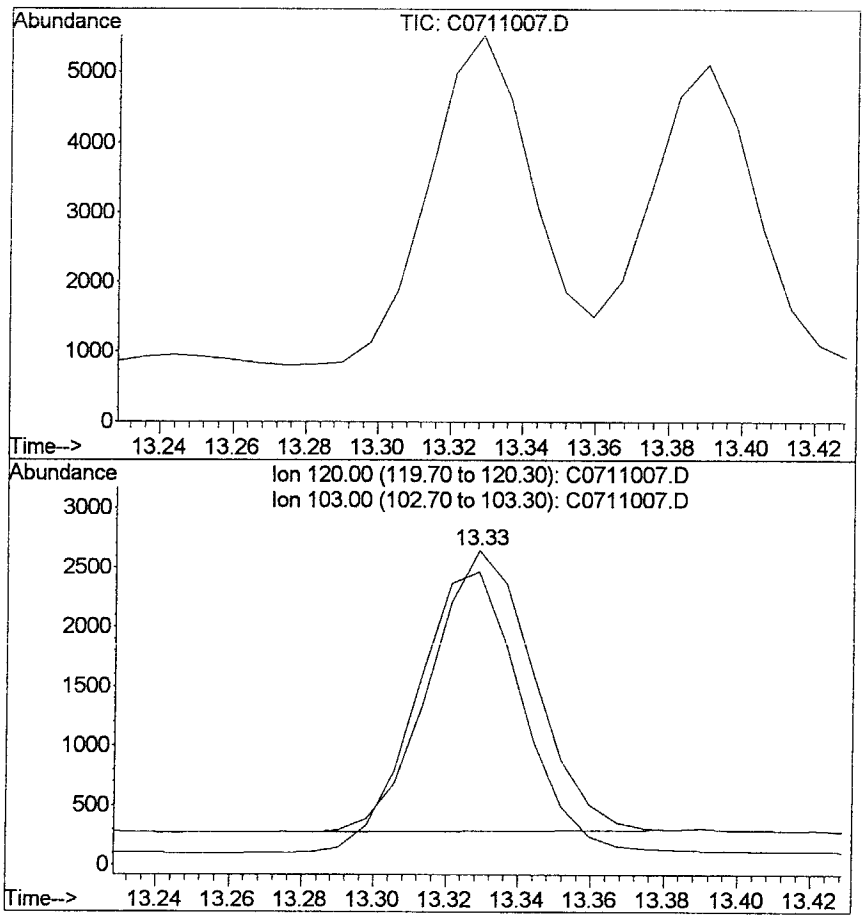
Ion	Ratio	Lower	Upper
92	100		
75	47.4	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion:113 Resp: 4199

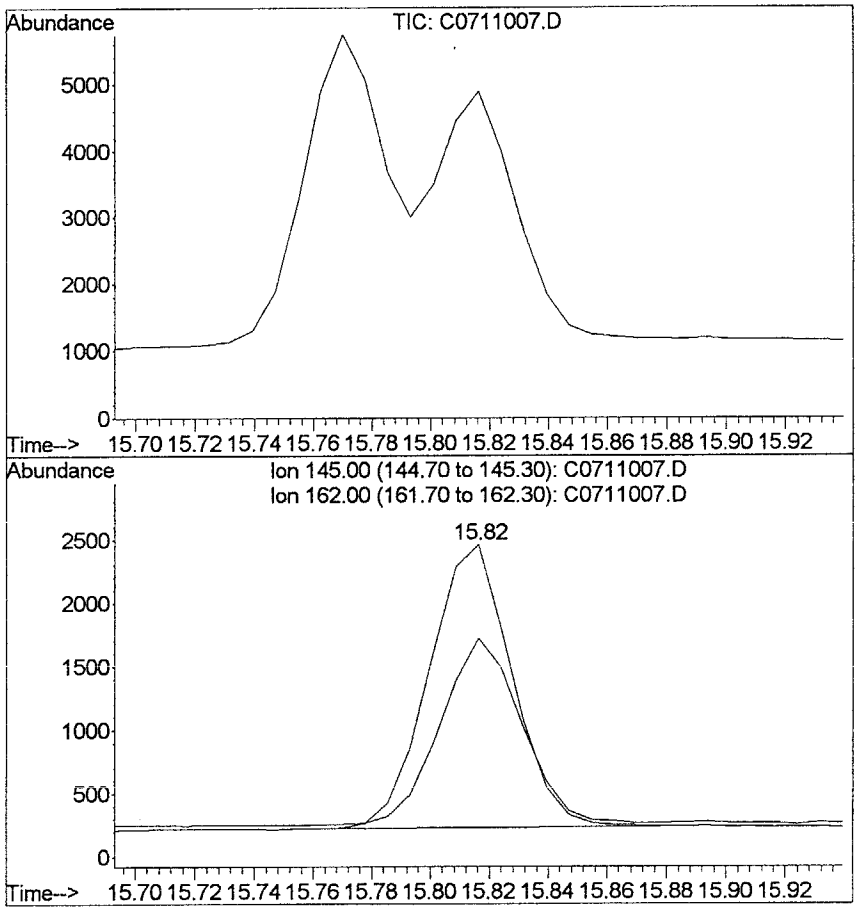
Ion	Ratio	Lower	Upper
113	100		
130	105.5	67.1	137.1



#4
NDEA
Concen: 10.38 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion:120 Resp: 4672

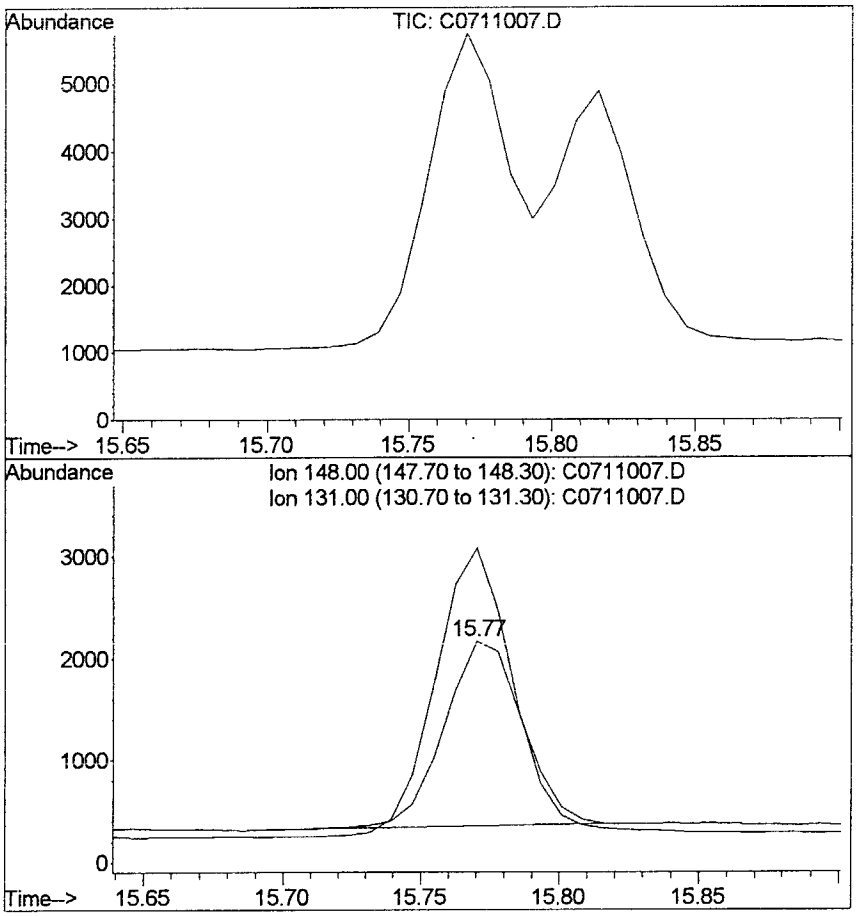
Ion	Ratio	Lower	Upper
120	100		
103	103.7	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion:145 Resp: 4340

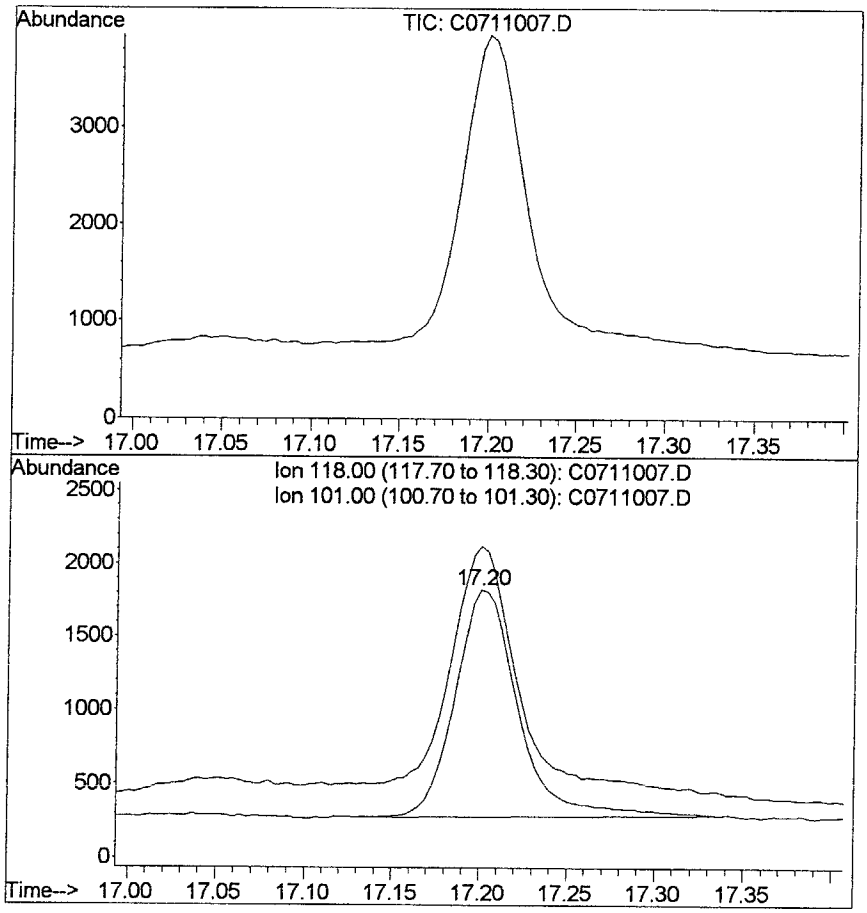
Ion	Ratio	Lower	Upper
145	100		
162	63.4	22.4	102.4



#6
NDPA
Concen: 10.21 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion:148 Resp: 3562

Ion	Ratio	Lower	Upper
148	100		
131	152.3	99.8	207.2



#7
NPYR
Concen: 11.14 PPB
RT: 17.20 min Scan# 1077
Delta R.T. 0.00 min
Lab File: C0711007.D
Acq: 11 Jul 2007 4:56 pm

Tgt Ion:118 Resp: 3868

Ion	Ratio	Lower	Upper
118	100		
101	96.3	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711008.D Vial: 9
Acq On : 11 Jul 2007 5:19 pm Operator: DF/AI
Sample : 7G10045-BS2 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:30 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

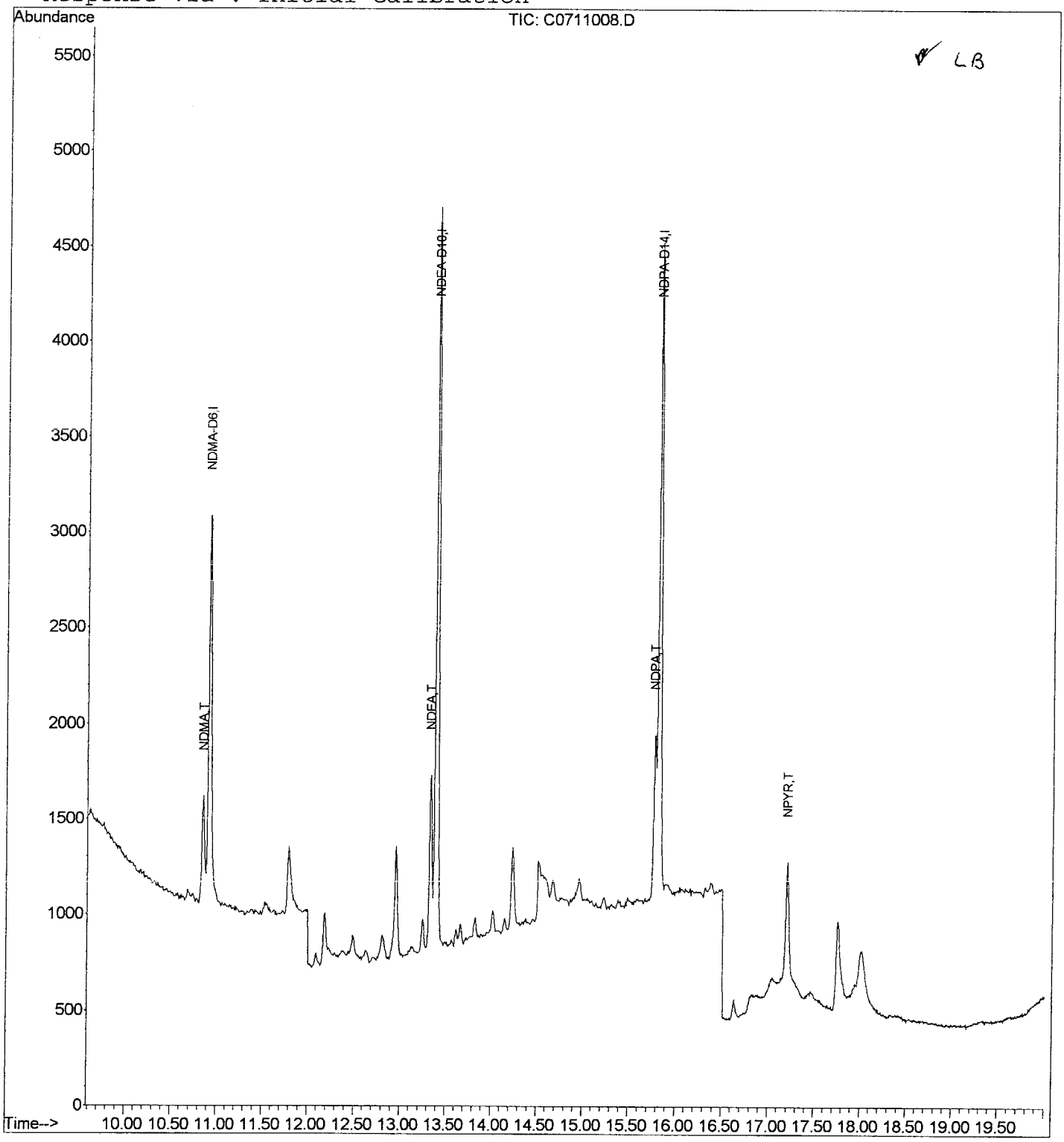
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	1847	10.00 PPB	0.00
3) NDEA-D10	13.38	113	3853	10.00 PPB	0.00
5) NDPA-D14	15.81	145	4189	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	797	2.16 PPB	95
4) NDEA	13.33	120	978	2.37 PPB	99
6) NDPA	15.77	148	699	2.08 PPB	93
7) NPYR	17.20	118	702	2.09 PPB	96

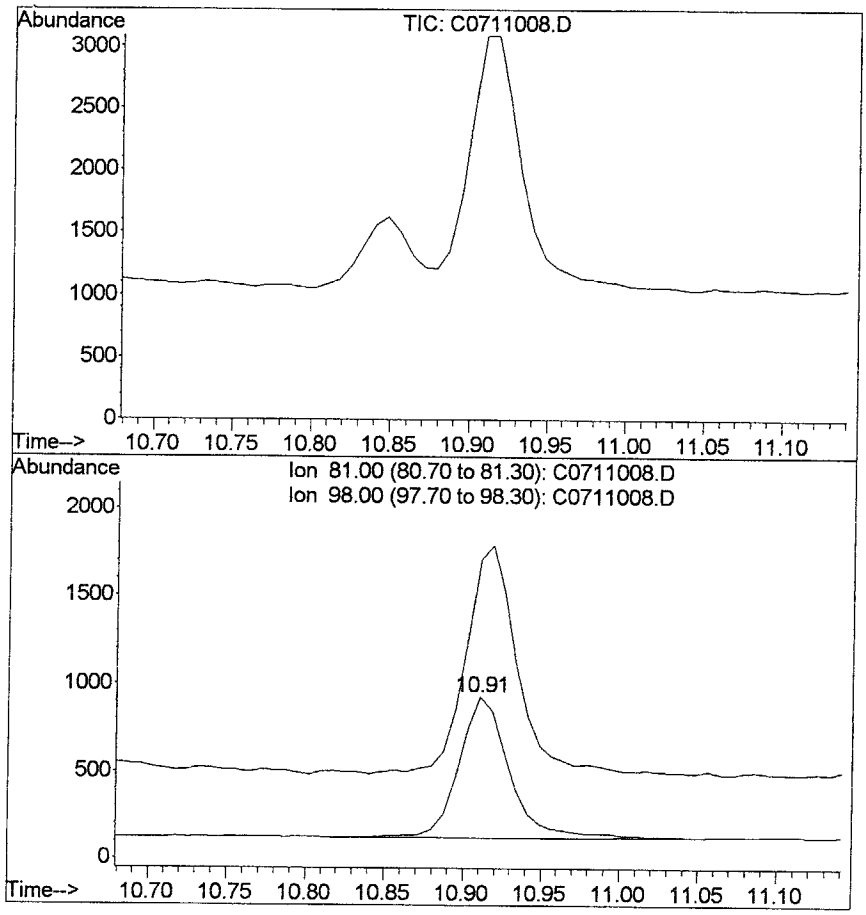
(#) = qualifier out of range (m) = manual integration
C0711008.D C7F14NW.M Thu Jul 12 09:30:27 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711008.D Vial: 9
Acq On : 11 Jul 2007 5:19 pm Operator: DF/AI
Sample : 7G10045-BS2 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:30 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

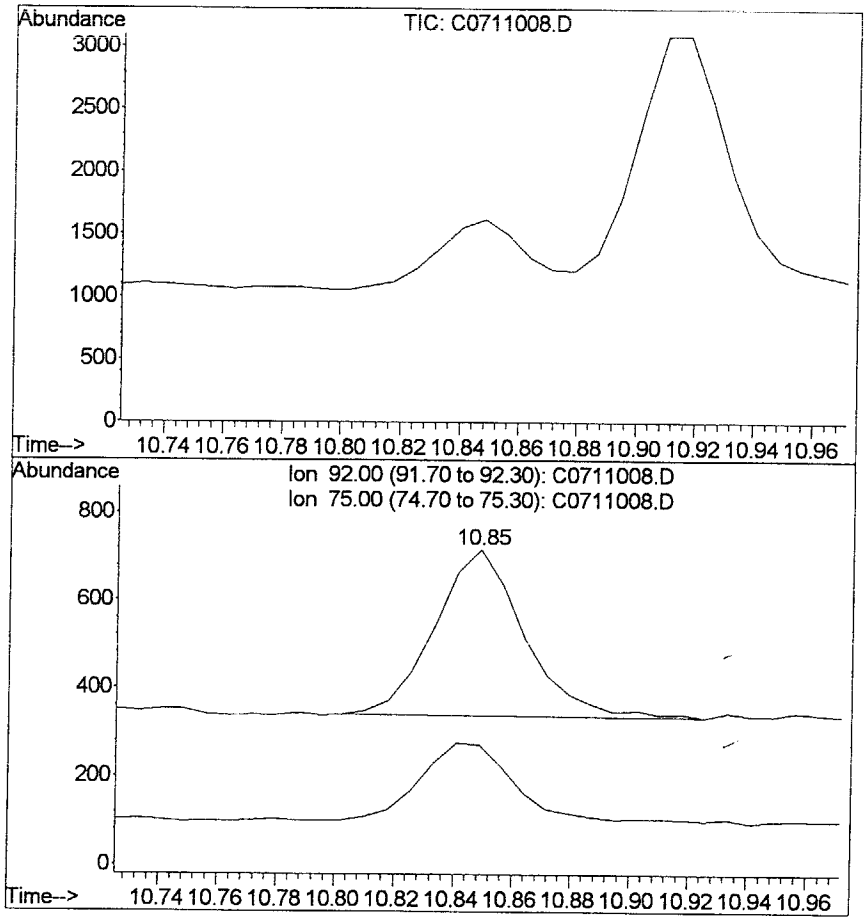




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion: 81 Resp: 1847

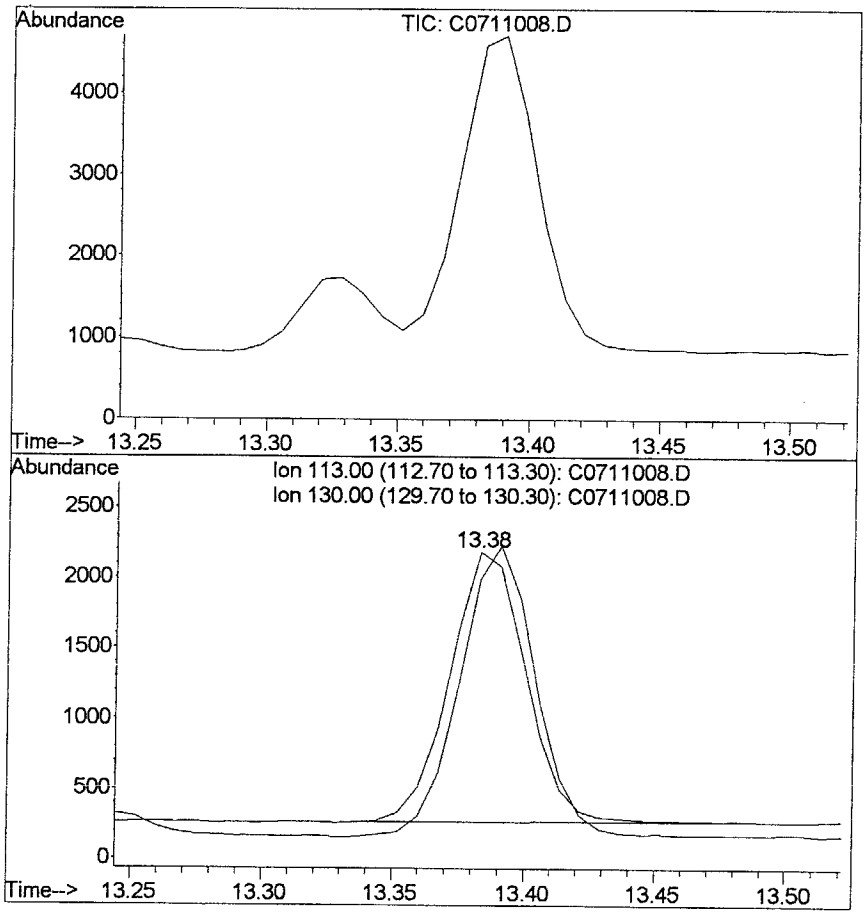
Ion	Ratio	Lower	Upper
81	100		
98	160.7	144.1	224.1



#2
NDMA
Concen: 2.16 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion: 92 Resp: 797

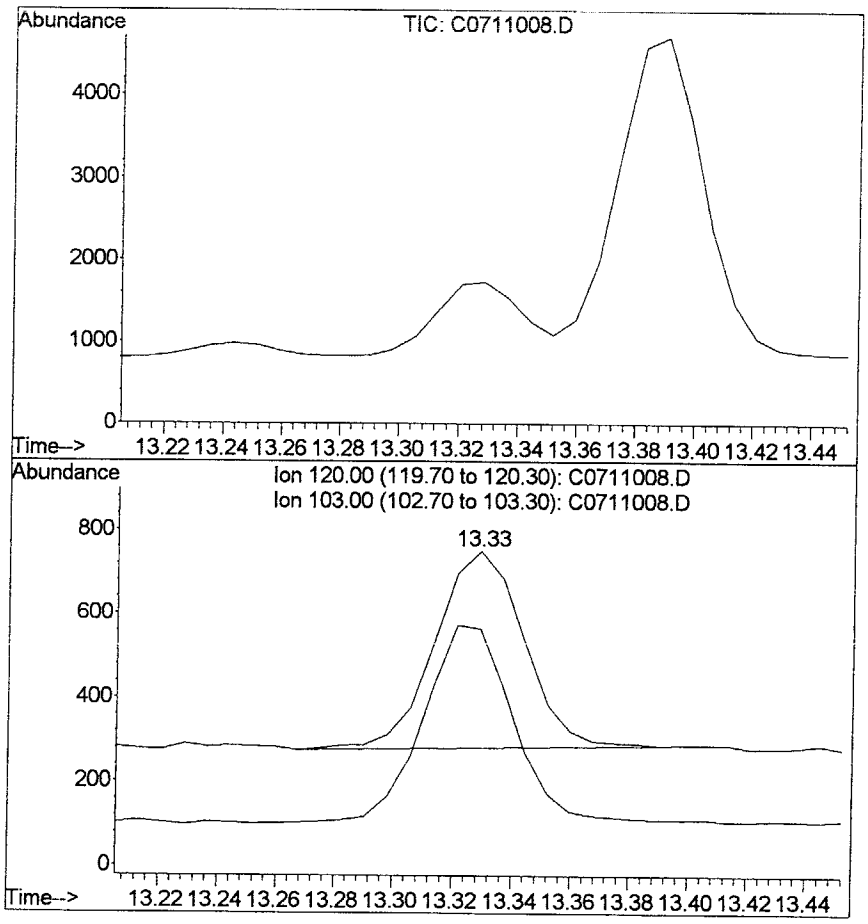
Ion	Ratio	Lower	Upper
92	100		
75	45.8	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion:113 Resp: 3853

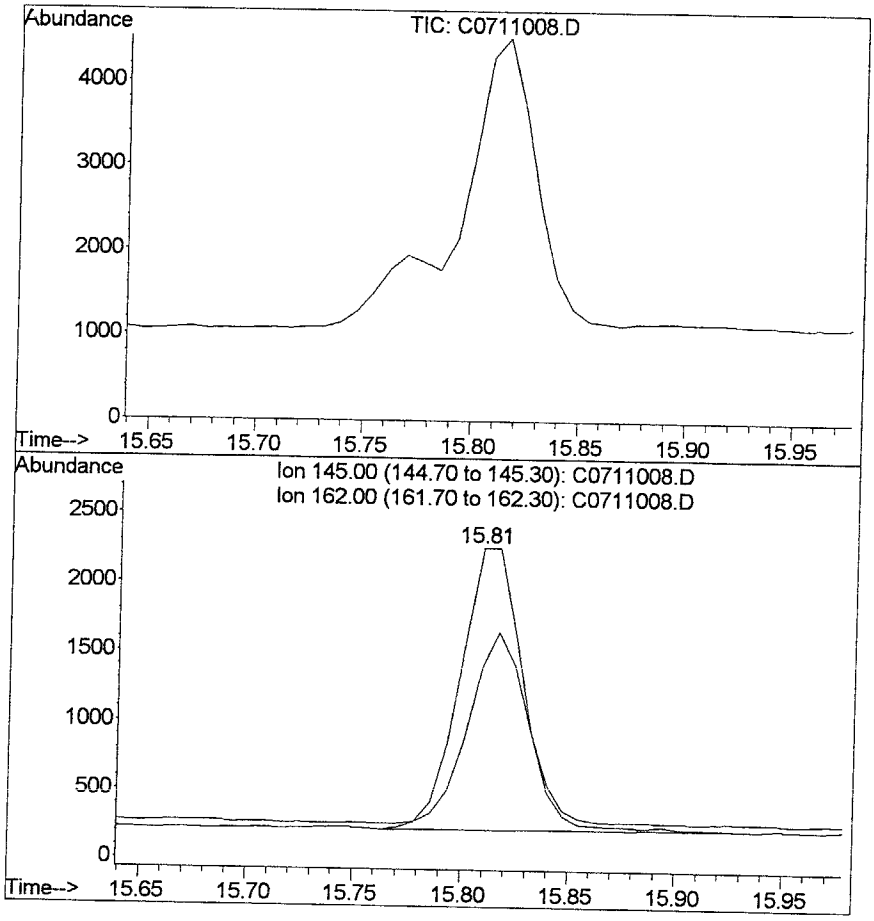
Ion	Ratio	Lower	Upper
113	100		
130	106.8	67.1	137.1



#4
NDEA
Concen: 2.37 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion:120 Resp: 978

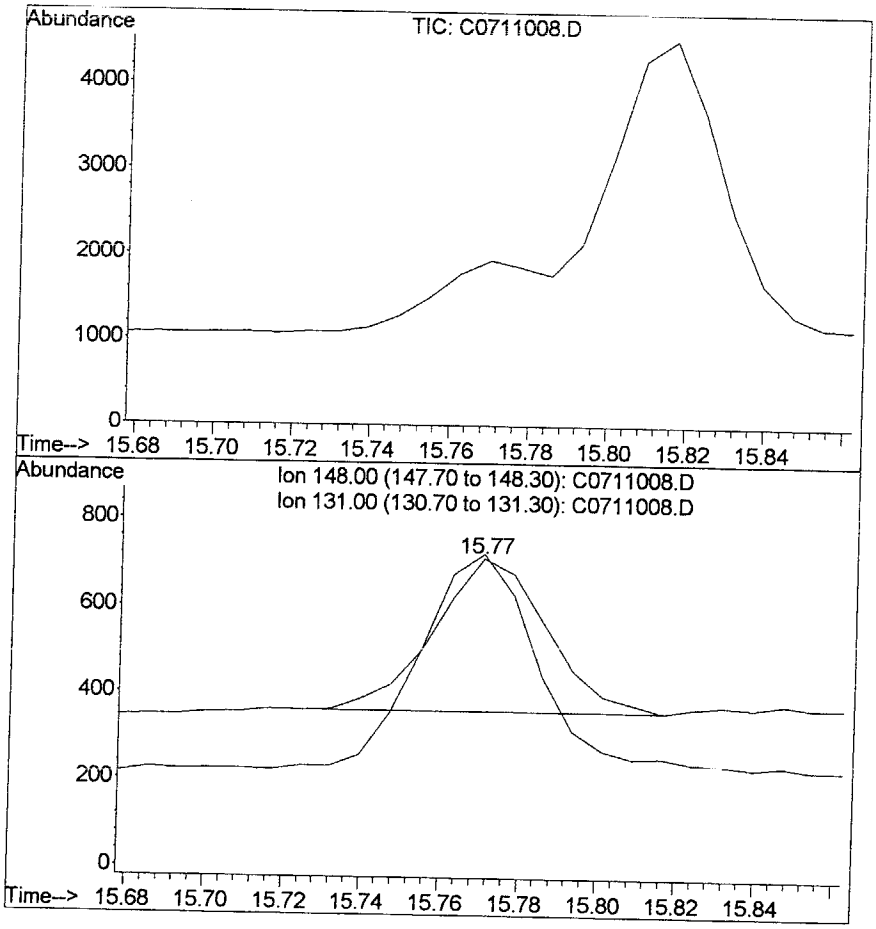
Ion	Ratio	Lower	Upper
120	100		
103	99.6	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion:145 Resp: 4189

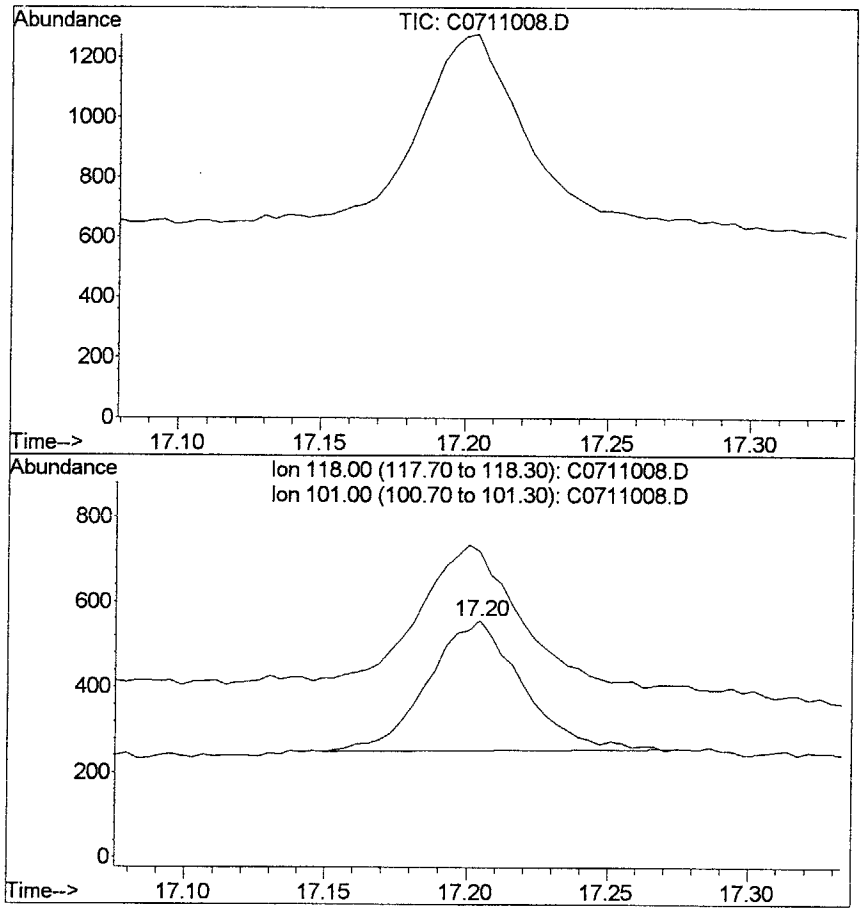
Ion	Ratio	Lower	Upper
145	100		
162	62.3	22.4	102.4



#6
NDPA
Concen: 2.08 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion:148 Resp: 699

Ion	Ratio	Lower	Upper
148	100		
131	144.5	99.8	207.2



#7
NPYR
Concen: 2.09 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: C0711008.D
Acq: 11 Jul 2007 5:19 pm

Tgt Ion:118 Resp: 702

Ion	Ratio	Lower	Upper
118	100		
101	100.1	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711009.D Vial: 10
Acq On : 11 Jul 2007 5:43 pm Operator: DF/AI
Sample : 7G10045-BSD1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:30 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

LB

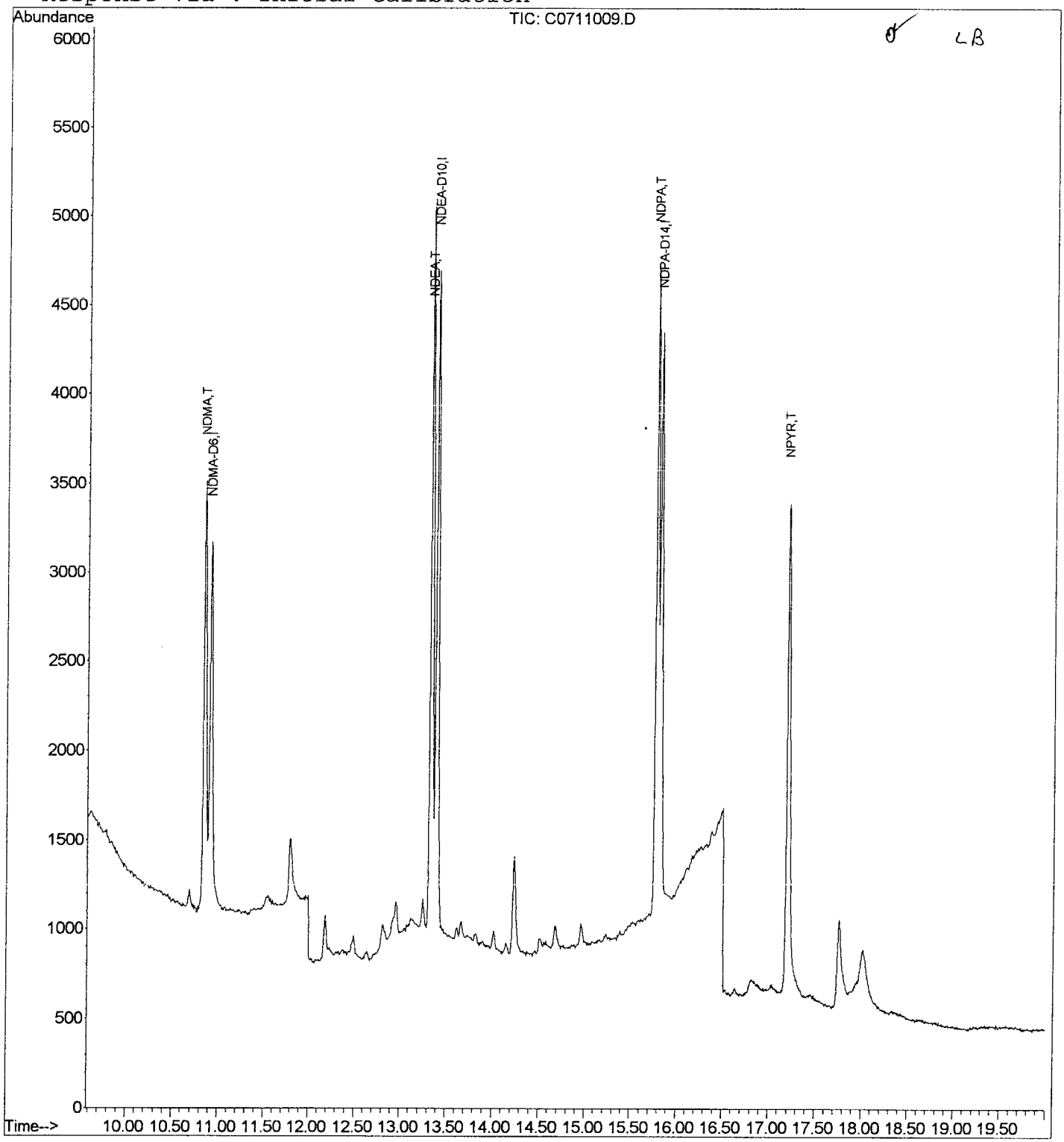
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	1775	10.00	PPB	0.00
3) NDEA-D10	13.39	113	3624	10.00	PPB	0.02
5) NDPA-D14	15.82	145	3803	10.00	PPB	0.00
Target Compounds						Qvalue
2) NDMA	10.85	92	3780	10.64	PPB	98
4) NDEA	13.33	120	4055	10.44	PPB	98
6) NDPA	15.77	148	2871	9.39	PPB	97
7) NPYR	17.20	118	3275	10.76	PPB	90

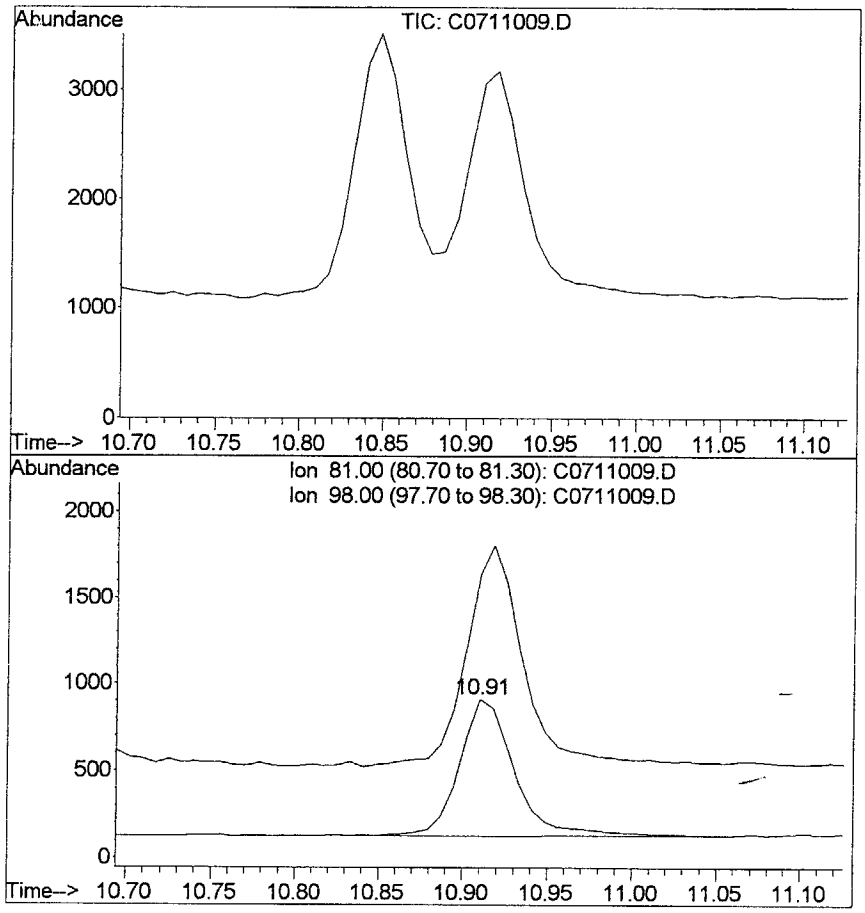
(#) = qualifier out of range (m) = manual integration
C0711009.D C7F14NW.M Thu Jul 12 09:30:49 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711009.D Vial: 10
Acq On : 11 Jul 2007 5:43 pm Operator: DF/AI
Sample : 7G10045-BSD1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:30 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

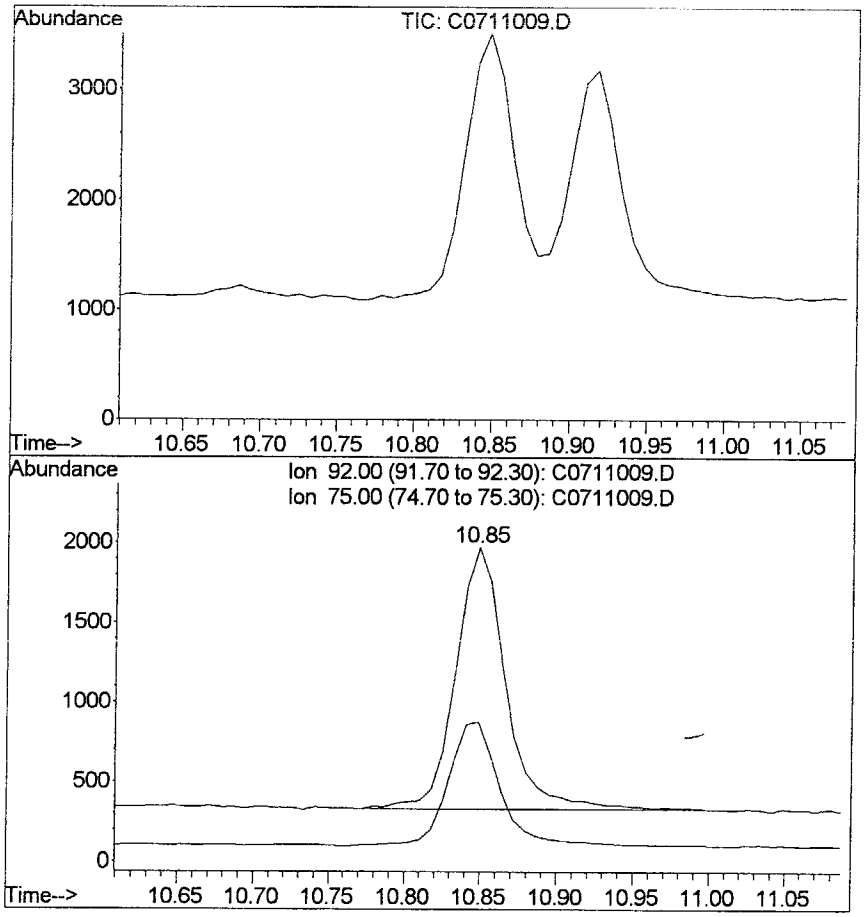




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion: 81 Resp: 1775

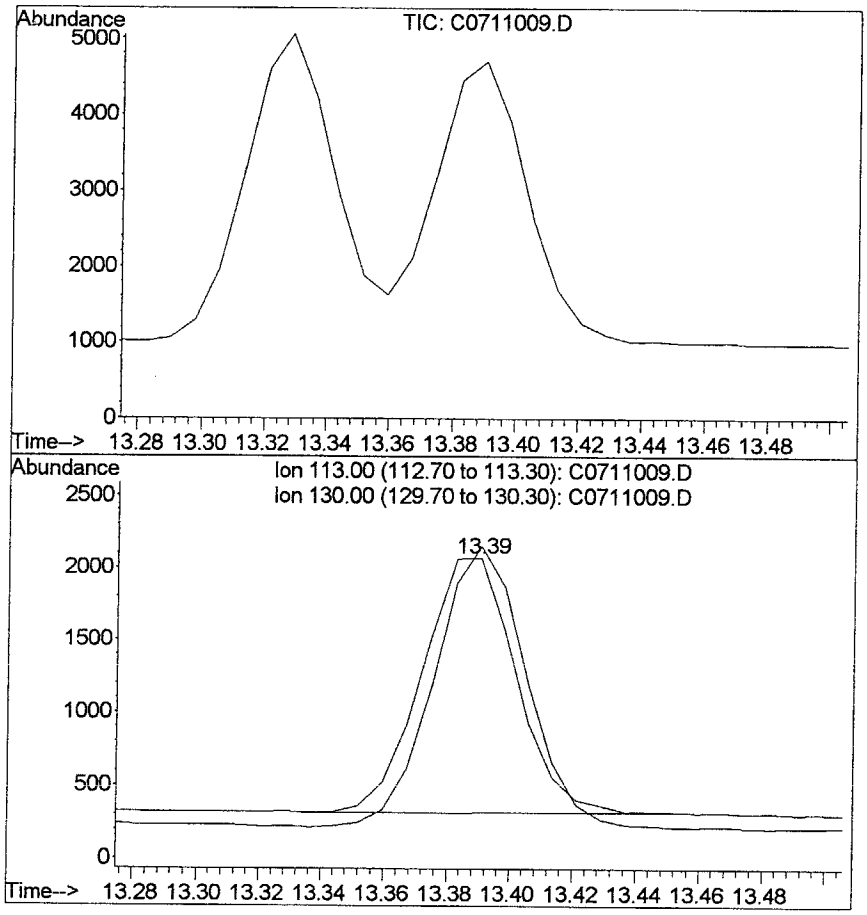
Ion	Ratio	Lower	Upper
81	100		
98	166.5	144.1	224.1



#2
NDMA
Concen: 10.64 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion: 92 Resp: 3780

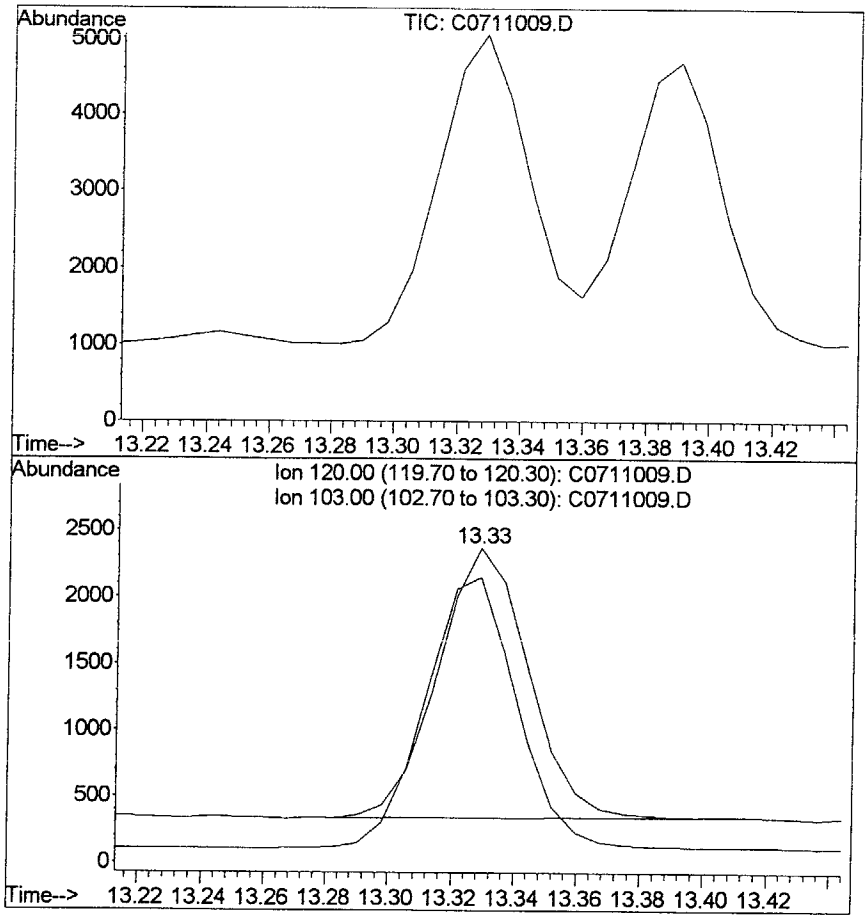
Ion	Ratio	Lower	Upper
92	100		
75	47.8	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion:113 Resp: 3624

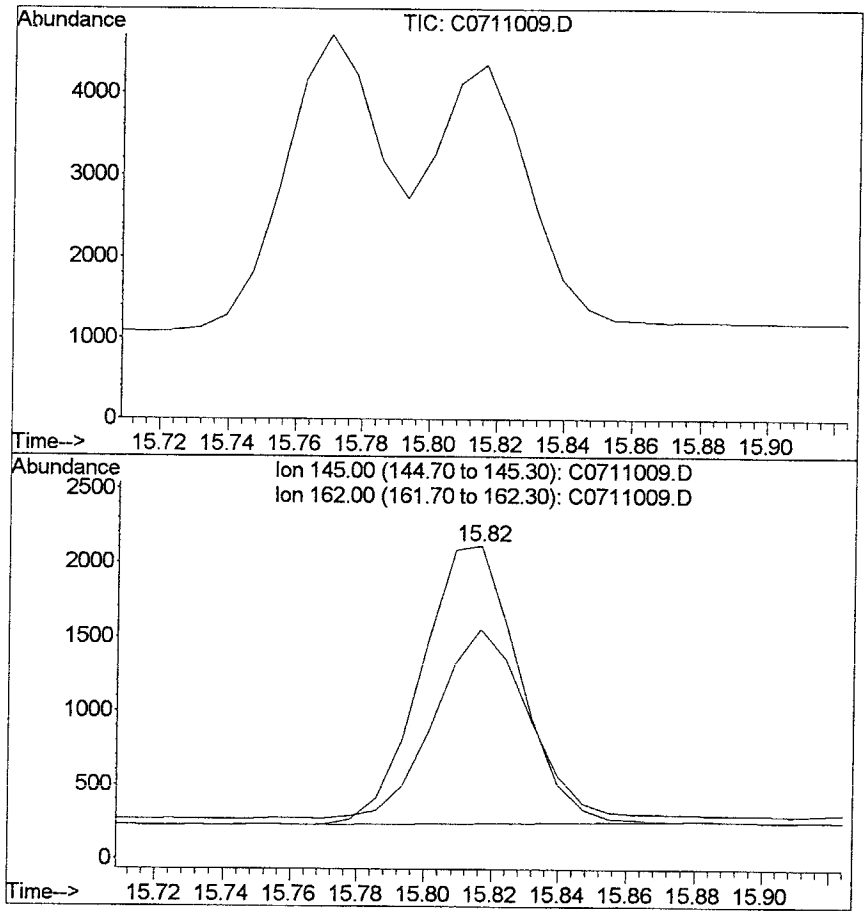
Ion	Ratio	Lower	Upper
113	100		
130	107.7	67.1	137.1



#4
NDEA
Concen: 10.44 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion:120 Resp: 4055

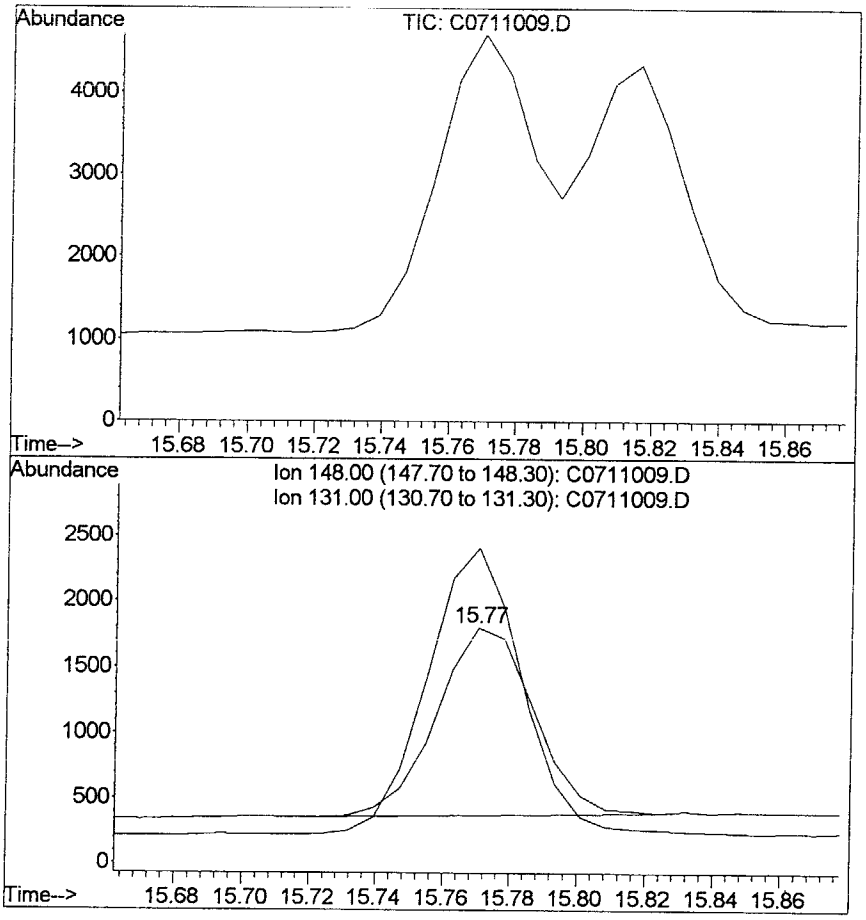
Ion	Ratio	Lower	Upper
120	100		
103	102.2	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion:145 Resp: 3803

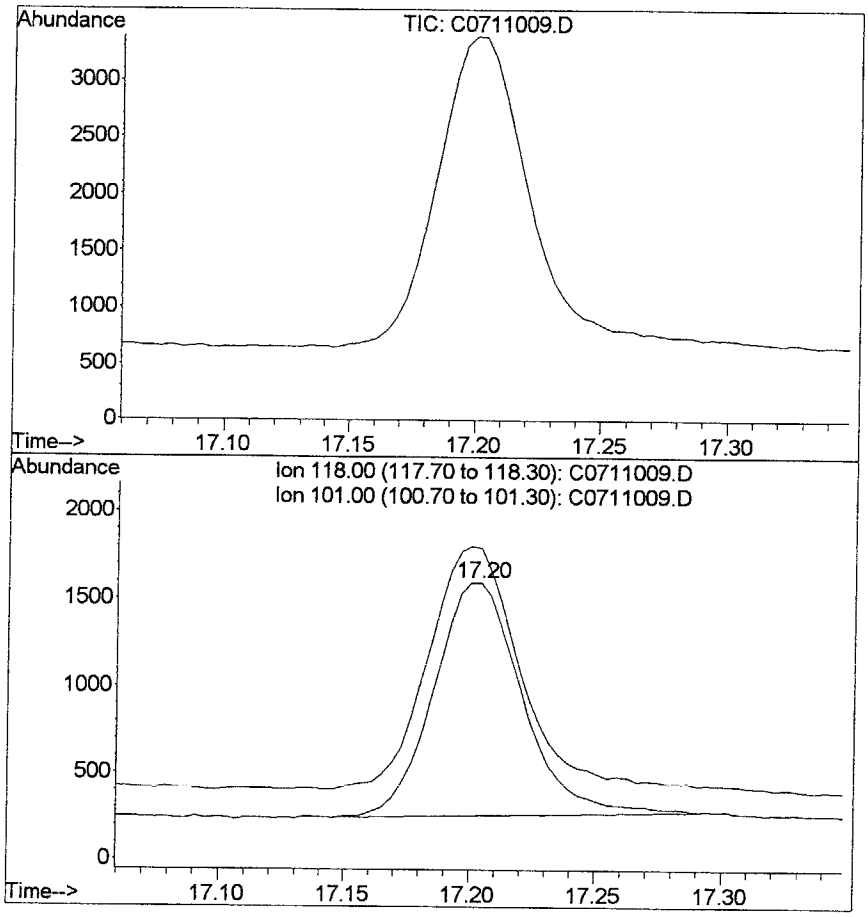
Ion	Ratio	Lower	Upper
145	100		
162	63.3	22.4	102.4



#6
NDPA
Concen: 9.39 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion:148 Resp: 2871

Ion	Ratio	Lower	Upper
148	100		
131	149.5	99.8	207.2



#7
NPYR
Concen: 10.76 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: C0711009.D
Acq: 11 Jul 2007 5:43 pm

Tgt Ion:118 Resp: 3275

Ion	Ratio	Lower	Upper
118	100		
101	105.7	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711013.D
Acq On : 11 Jul 2007 7:17 pm
Sample : IQG0607-02
Misc : WATER 1L/1ml ----- Batch 7G10045
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 2007

Vial: 14
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

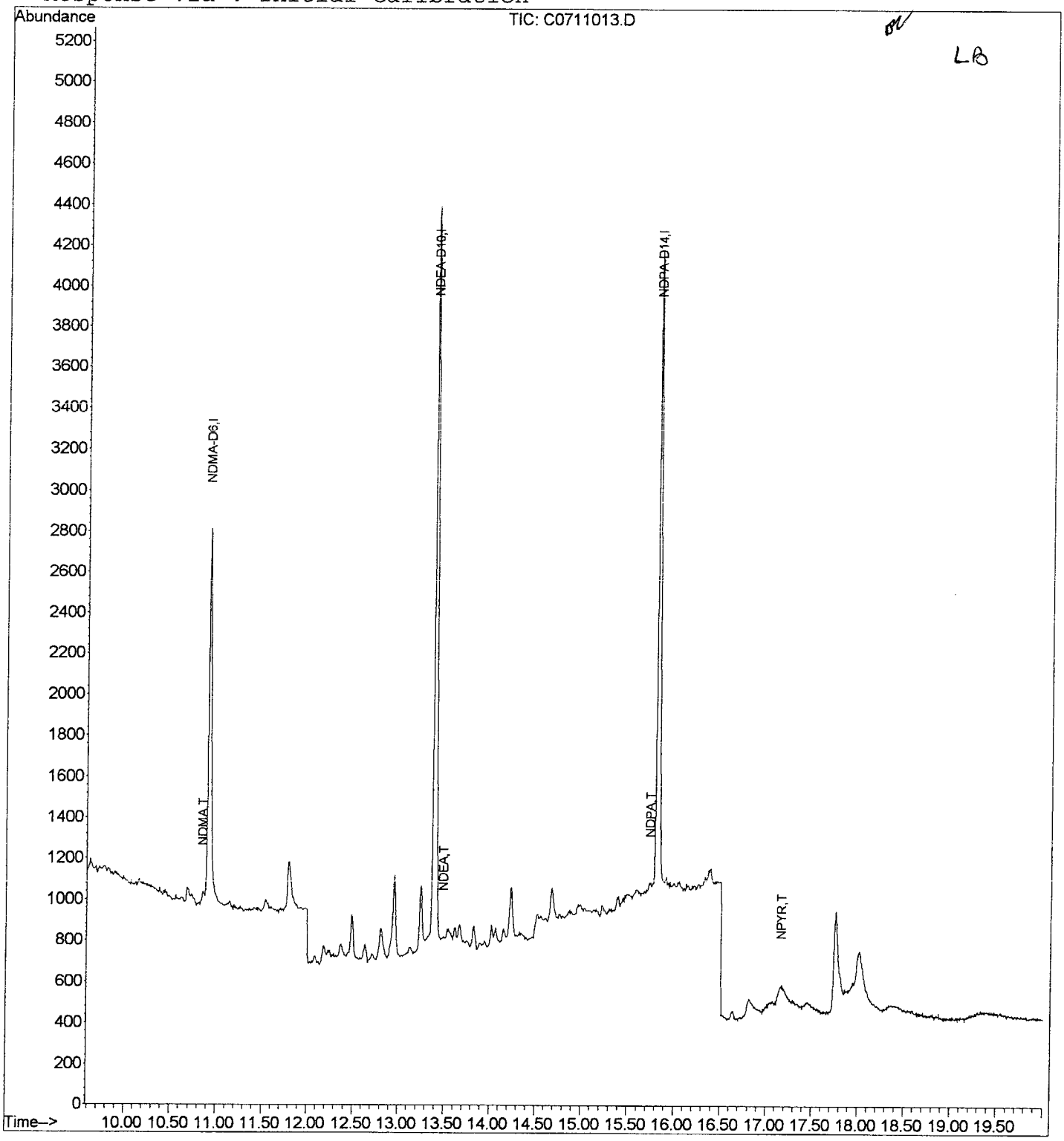
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) NDMA-D6	10.91	81	1705	10.00	PPB		0.00
3) NDEA-D10	13.38	113	3581	10.00	PPB		0.00
5) NDPA-D14	15.81	145	3757	10.00	PPB		0.00
Target Compounds							Qvalue
2) NDMA	10.85	92	68	0.20	PPB		88
4) NDEA	13.49	120	29	0.08	PPB		97
6) NDPA	15.73	148	198	0.66	PPB	#	1
7) NPYR	17.16	118	37	0.12	PPB	#	32

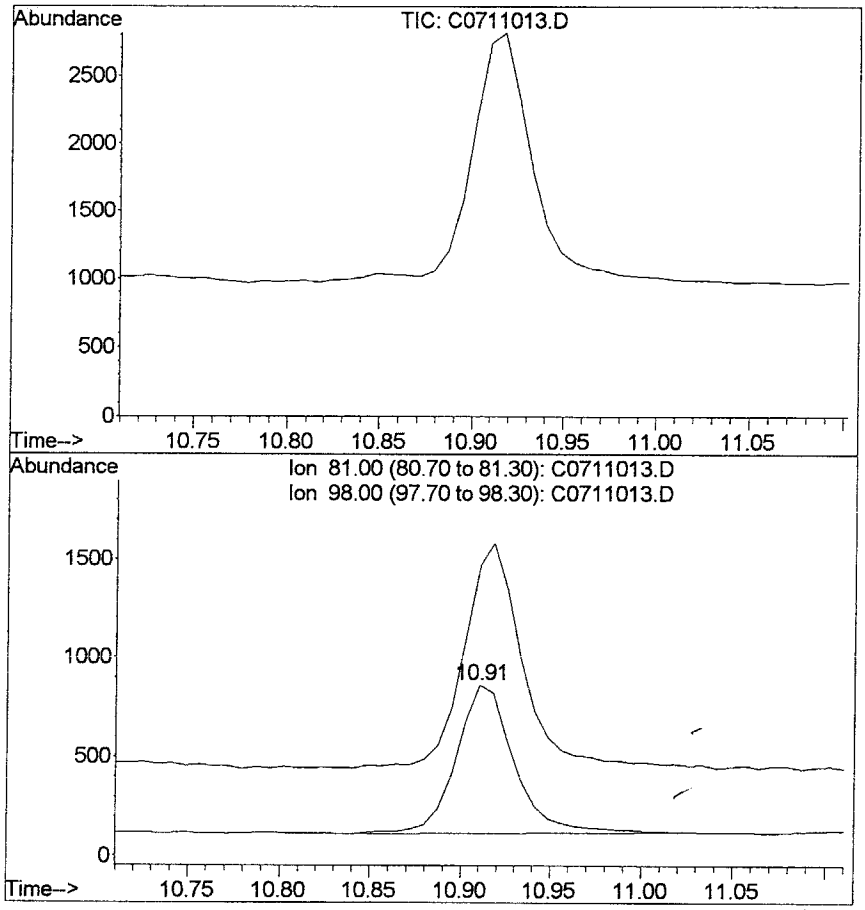
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711013.D Vial: 14
Acq On : 11 Jul 2007 7:17 pm Operator: DF/AI
Sample : IQG0607-02 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 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

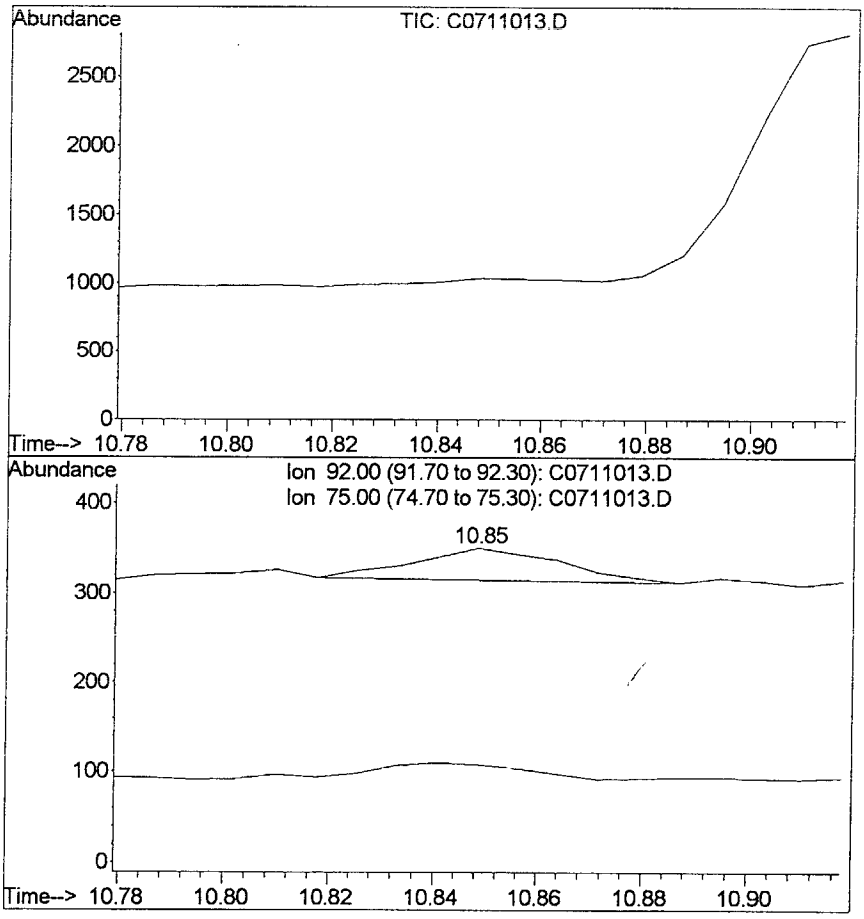




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion: 81 Resp: 1705

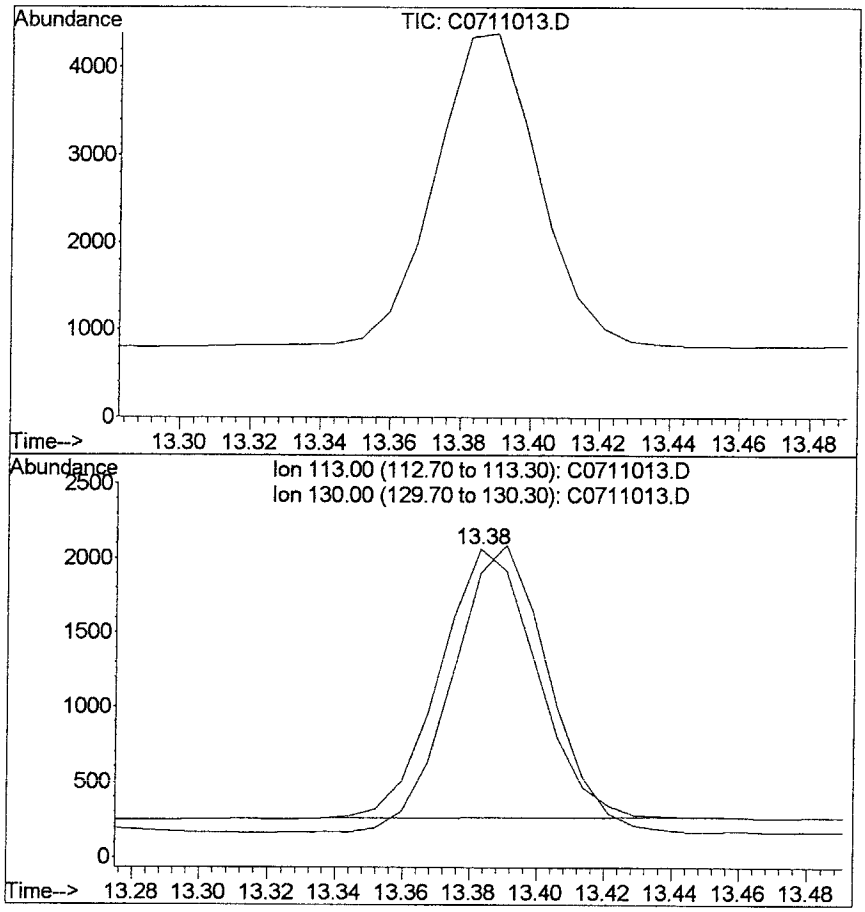
Ion	Ratio	Lower	Upper
81	100		
98	146.0	144.1	224.1



#2
NDMA
Concen: 0.20 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion: 92 Resp: 68

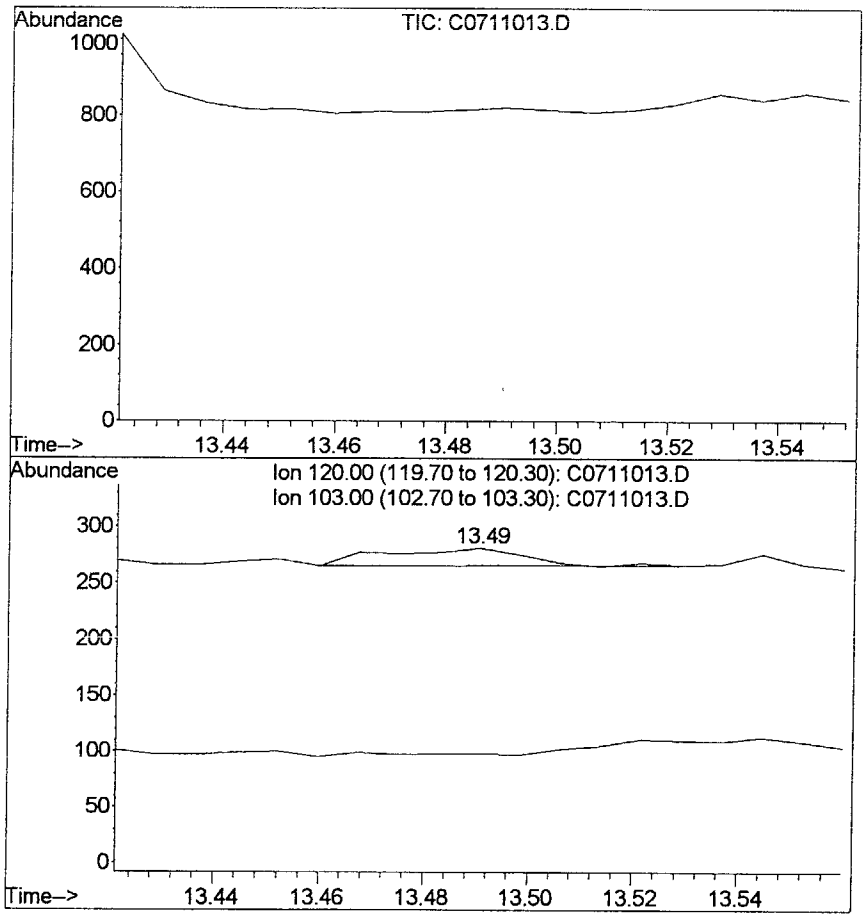
Ion	Ratio	Lower	Upper
92	100		
75	57.4	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion:113 Resp: 3581

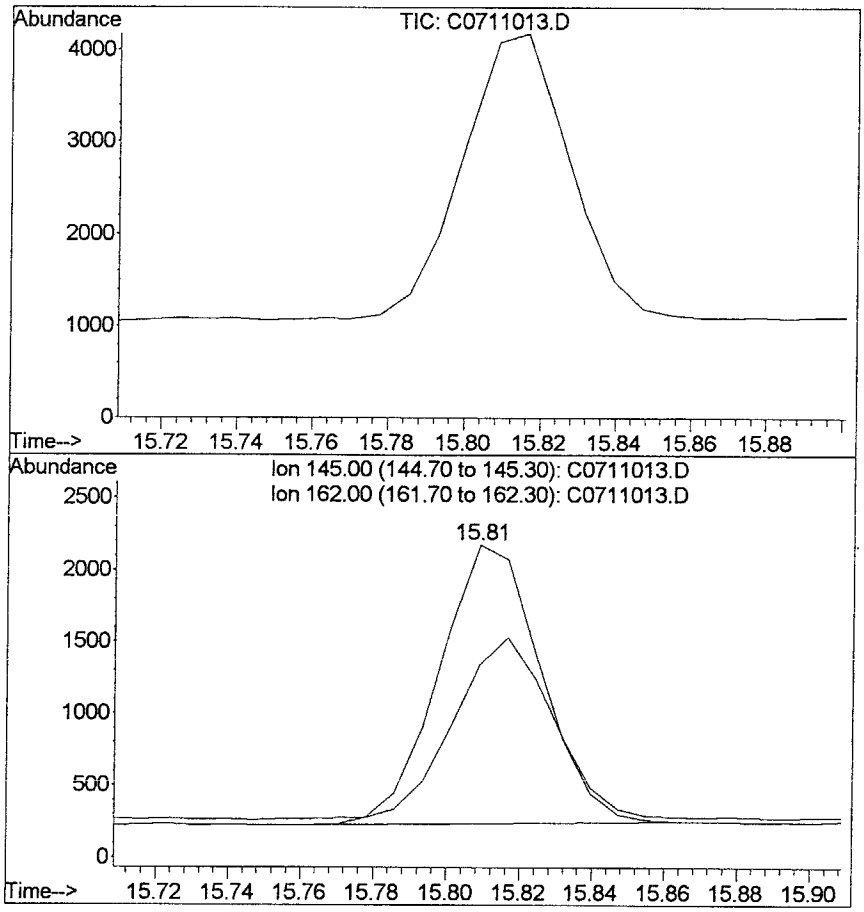
Ion	Ratio	Lower	Upper
113	100		
130	106.1	67.1	137.1



#4
NDEA
Concen: 0.08 PPB
RT: 13.49 min Scan# 508
Delta R.T. 0.17 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion:120 Resp: 29

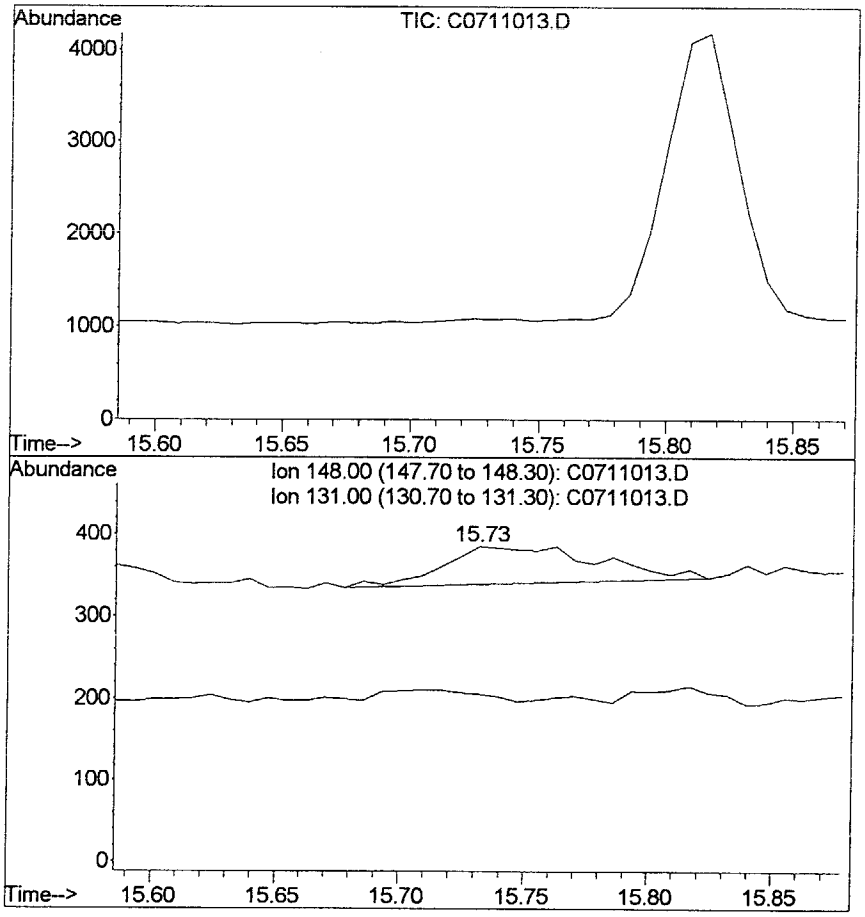
Ion	Ratio	Lower	Upper
120	100		
103	103.4	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.00 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion:145 Resp: 3757

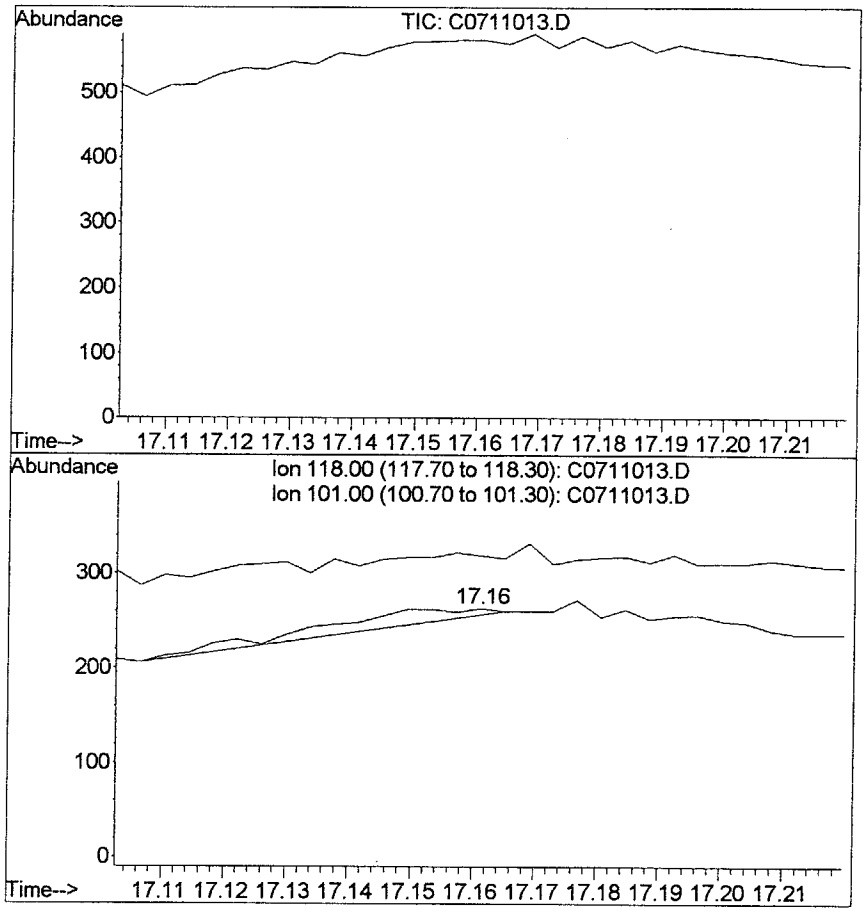
Ion	Ratio	Lower	Upper
145	100		
162	61.8	22.4	102.4



#6
NDPA
Concen: 0.66 PPB
RT: 15.73 min Scan# 799
Delta R.T. -0.04 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion:148 Resp: 198

Ion	Ratio	Lower	Upper
148	100		
131	17.7	99.8	207.2#



#7
NPYR
Concen: 0.12 PPB
RT: 17.16 min Scan# 1067
Delta R.T. -0.04 min
Lab File: C0711013.D
Acq: 11 Jul 2007 7:17 pm

Tgt Ion:118 Resp: 37

Ion	Ratio	Lower	Upper
118	100		
101	29.7	62.6	130.0#

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711014.D Vial: 15
Acq On : 11 Jul 2007 7:40 pm Operator: DF/AI
Sample : IQG0607-03 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 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 : C7F14NW

LB

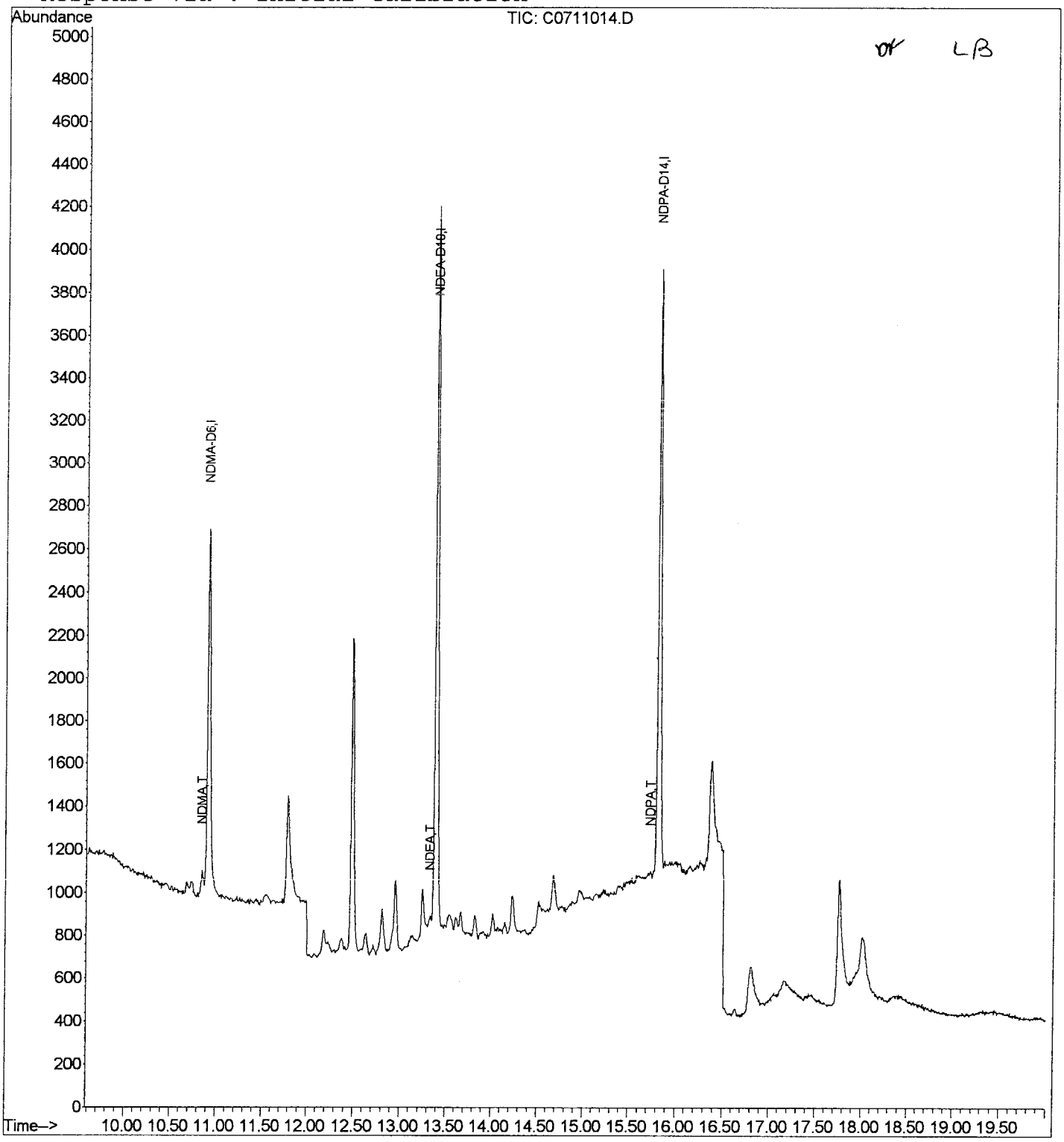
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) NDMA-D6	10.91	81	1512	10.00 PPB		0.00
3) NDEA-D10	13.38	113	3266	10.00 PPB		0.00
5) NDPA-D14	15.82	145	3312	10.00 PPB		0.00
Target Compounds						Qvalue
2) NDMA	10.85	92	137	0.45 PPB		92
4) NDEA	13.33	120	159	0.45 PPB	#	43
6) NDPA	15.73	148	28	0.11 PPB		67
7) NPYR	0.00	118	0	N.D.		

(#) = qualifier out of range (m) = manual integration
C0711014.D C7F14NW.M Thu Jul 12 09:31:43 2007 Page 1

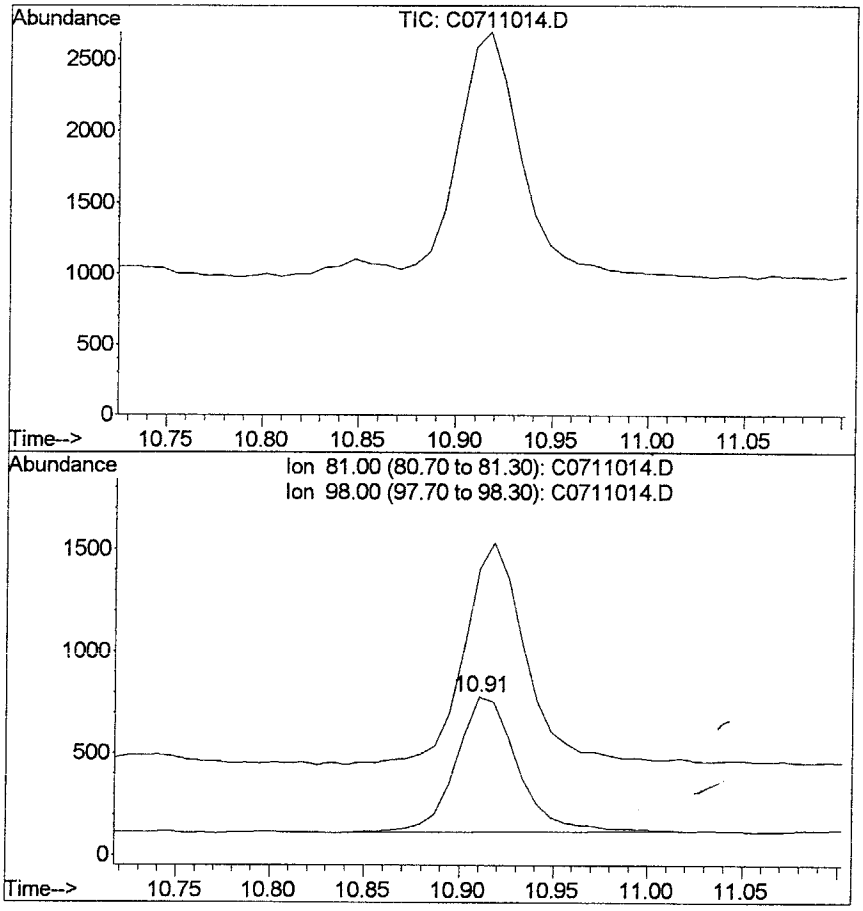
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711014.D Vial: 15
Acq On : 11 Jul 2007 7:40 pm Operator: DF/AI
Sample : IQG0607-03 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 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



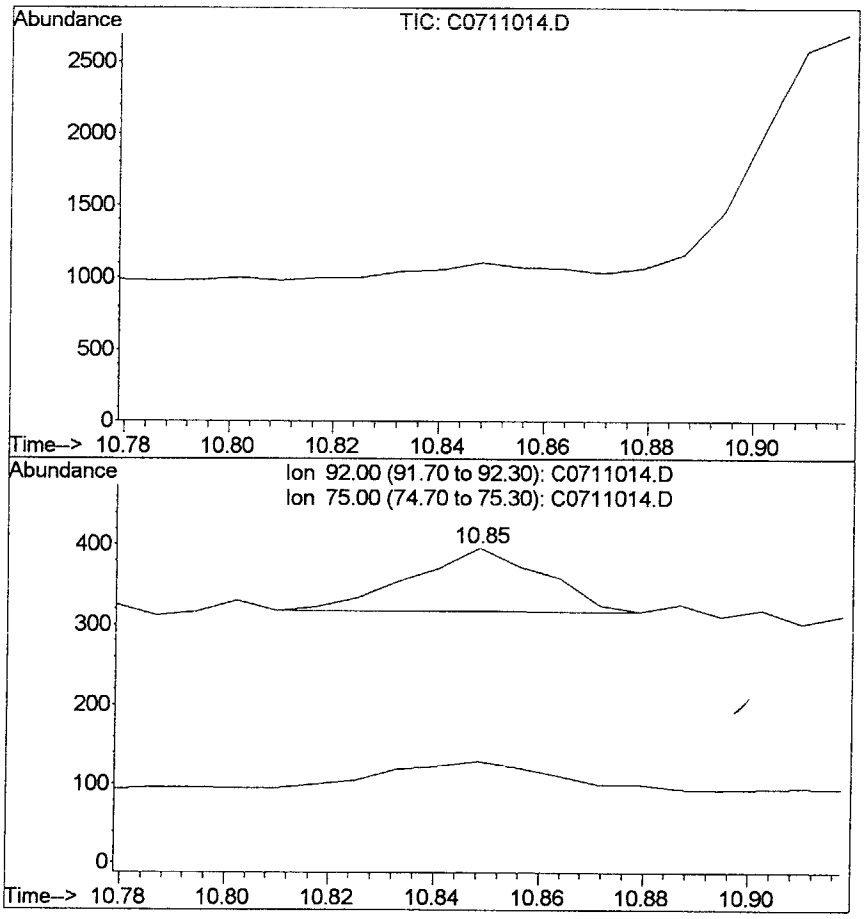
C0711014.D C7F14NW.M Thu Jul 12 09:31:43 2007 Page 2



#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion: 81 Resp: 1512

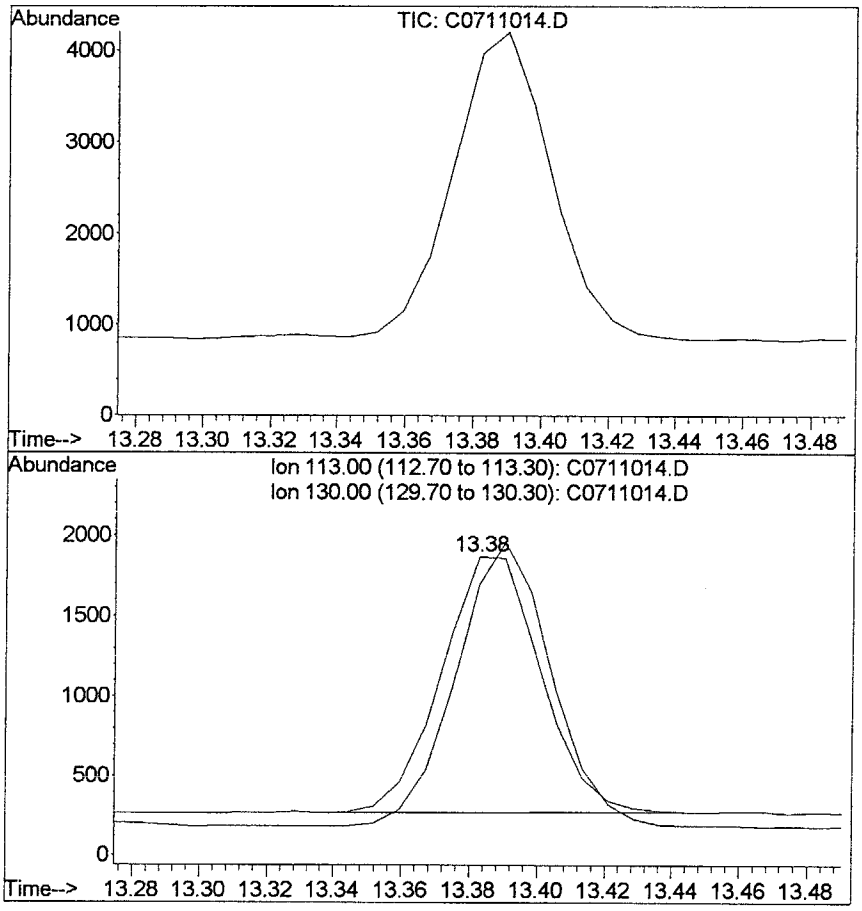
Ion	Ratio	Lower	Upper
81	100		
98	158.2	144.1	224.1



#2
NDMA
Concen: 0.45 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion: 92 Resp: 137

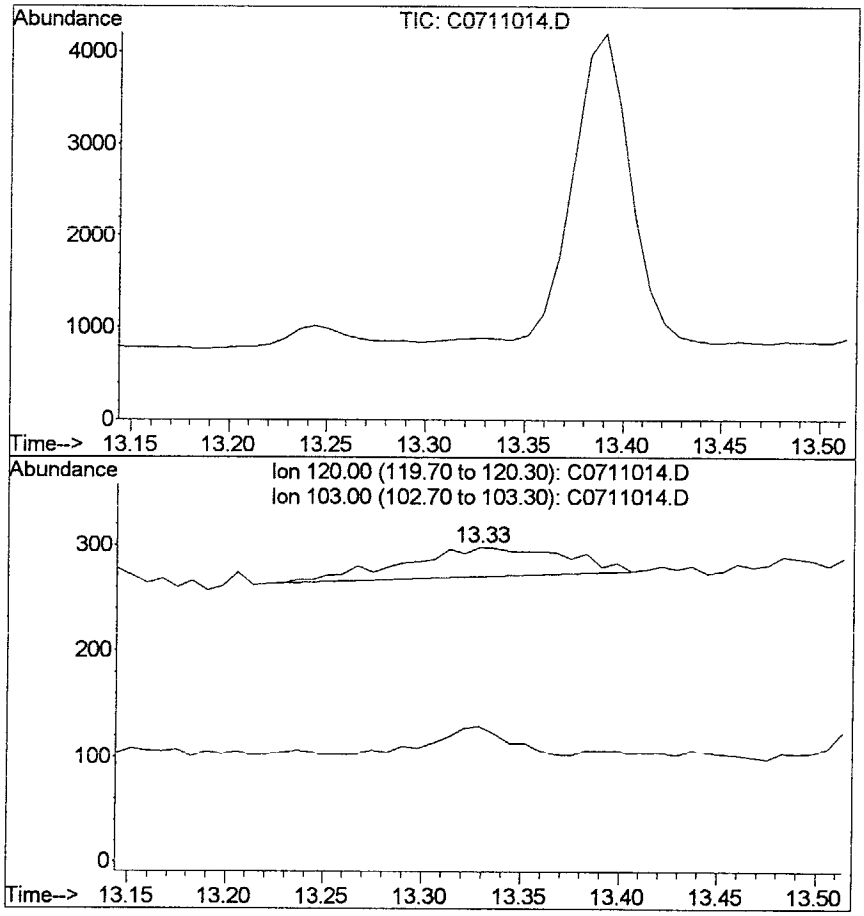
Ion	Ratio	Lower	Upper
92	100		
75	54.0	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion:113 Resp: 3266

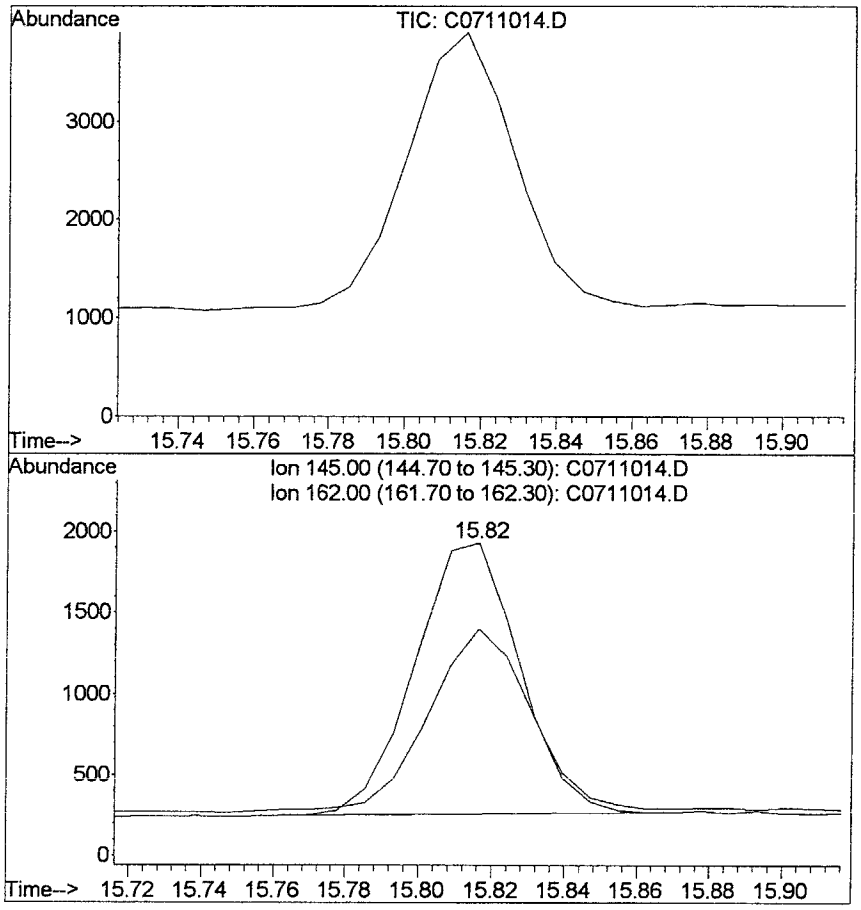
Ion	Ratio	Lower	Upper
113	100		
130	105.6	67.1	137.1



#4
NDEA
Concen: 0.45 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion:120 Resp: 159

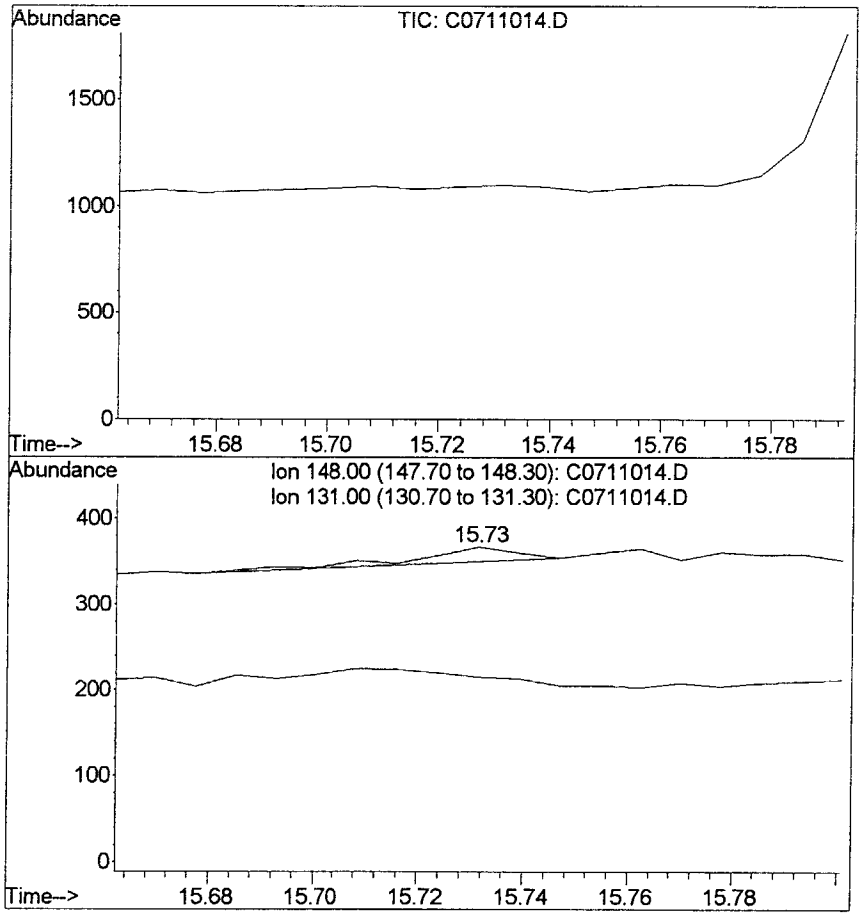
Ion	Ratio	Lower	Upper
120	100		
103	42.8	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion:145 Resp: 3312

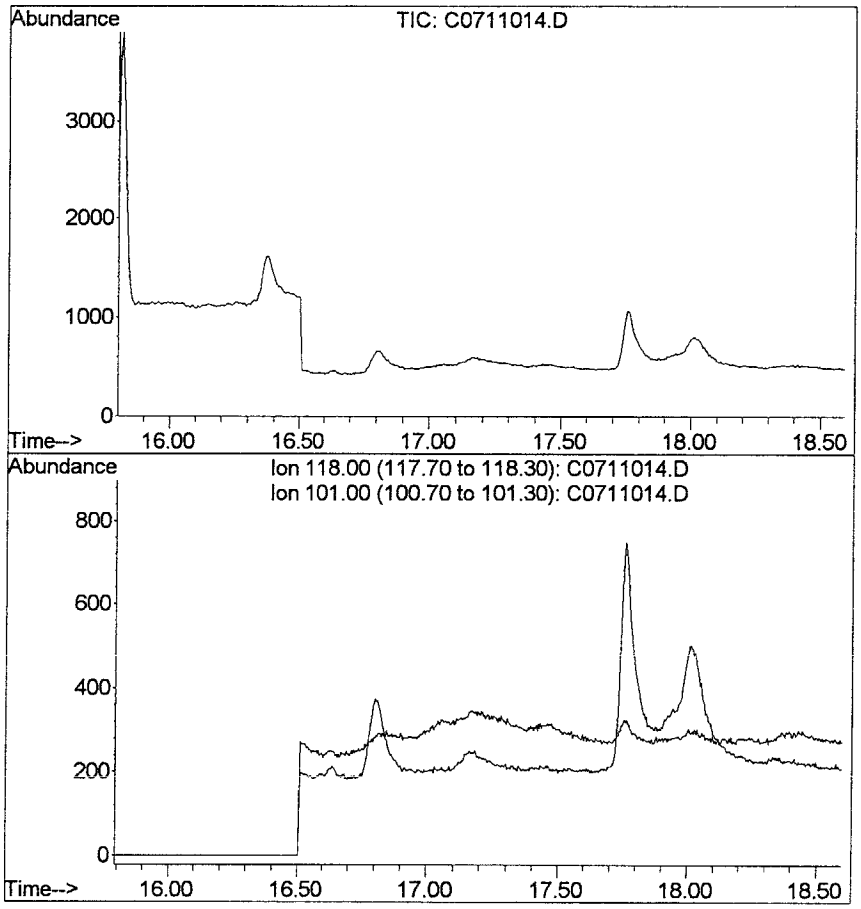
Ion	Ratio	Lower	Upper
145	100		
162	63.5	22.4	102.4



#6
NDPA
Concen: 0.11 PPB
RT: 15.73 min Scan# 799
Delta R.T. -0.04 min
Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion:148 Resp: 28

Ion	Ratio	Lower	Upper
148	100		
131	196.4	99.8	207.2



#7
NPYR
Concen: N.D.
Expected RT: 17.20 min

Lab File: C0711014.D
Acq: 11 Jul 2007 7:40 pm

Tgt Ion: 118

Sig	Exp Ratio
118	100
101	96.3

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711015.D Vial: 16
Acq On : 11 Jul 2007 8:04 pm Operator: DF/AI
Sample : IQG0607-04 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 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 : C7F14NW

LB

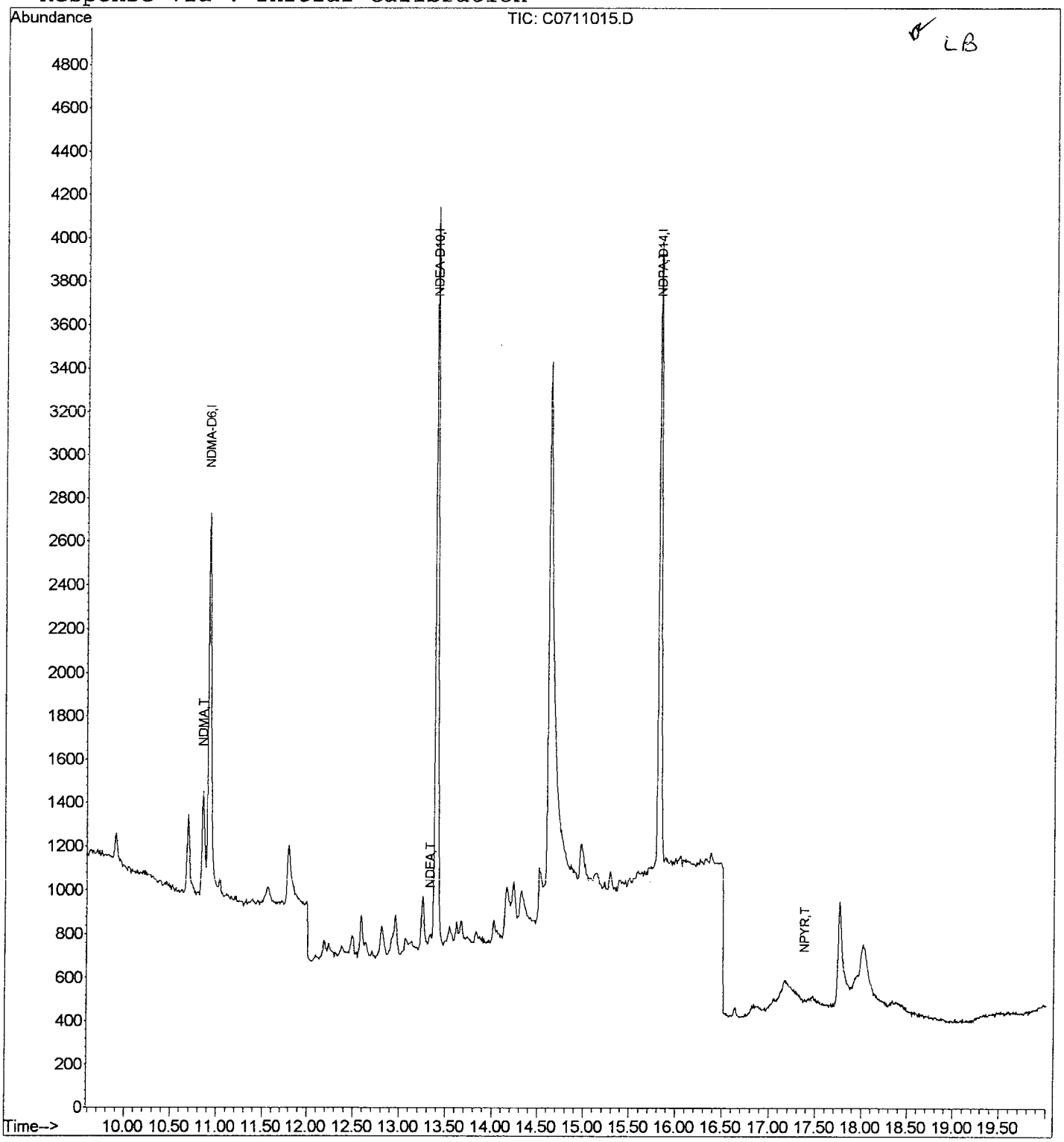
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	1561	10.00	PPB	0.00
3) NDEA-D10	13.38	113	3366	10.00	PPB	0.00
5) NDPA-D14	15.81	145	3545	10.00	PPB	0.00
Target Compounds						**Qvalue**
2) NDMA	10.85	92	707	2.26	PPB	94
4) NDEA	13.33	120	55	0.15	PPB	83
6) NDPA	15.81	148	13	0.05	PPB	100
7) NPYR	17.38	118	8	0.03	PPB	71

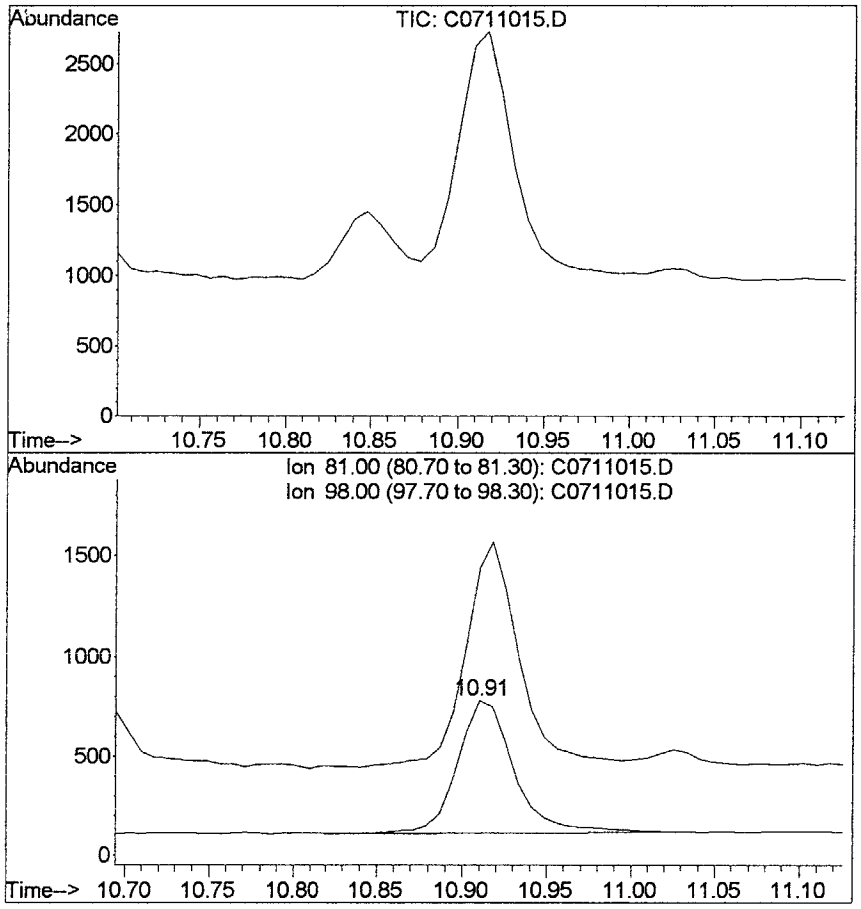
(#) = qualifier out of range (m) = manual integration
C0711015.D C7F14NW.M Thu Jul 12 09:31:53 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711015.D Vial: 16
Acq On : 11 Jul 2007 8:04 pm Operator: DF/AI
Sample : IQG0607-04 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:31 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

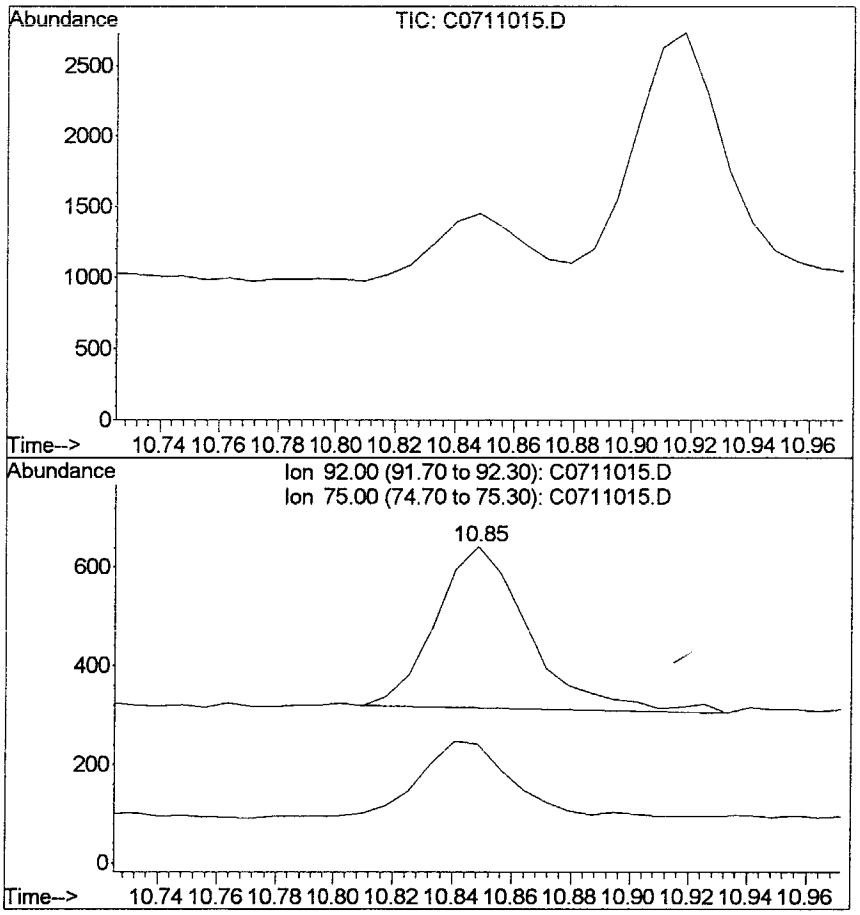




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion: 81 Resp: 1561

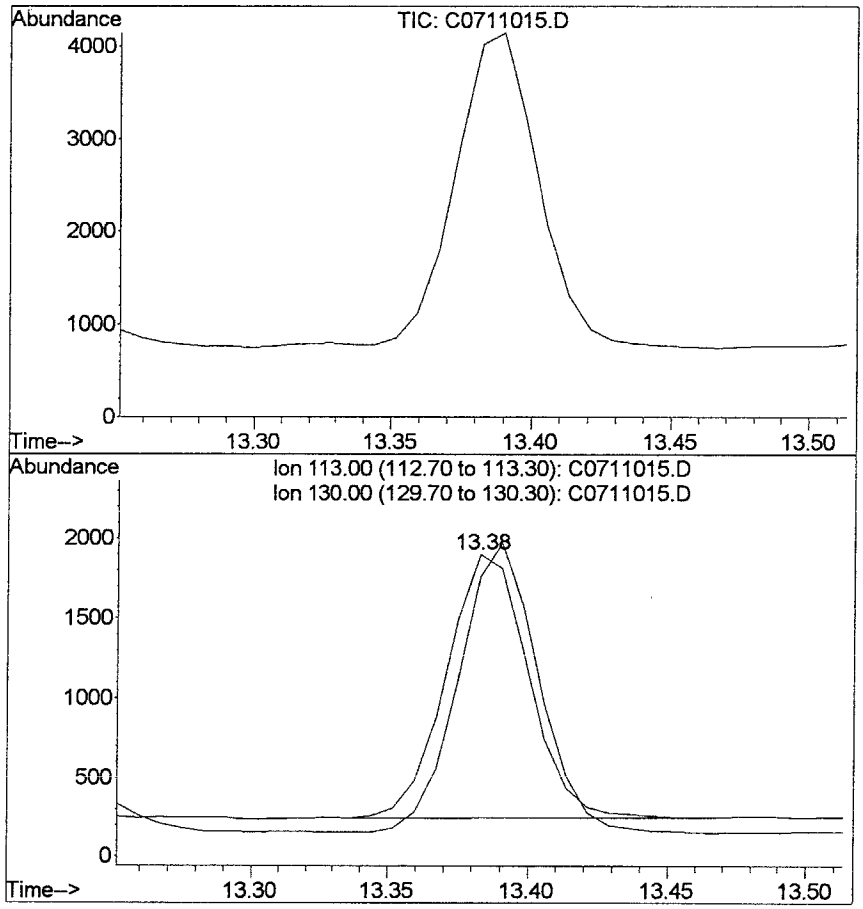
Ion	Ratio	Lower	Upper
81	100		
98	151.8	144.1	224.1



#2
NDMA
Concen: 2.26 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion: 92 Resp: 707

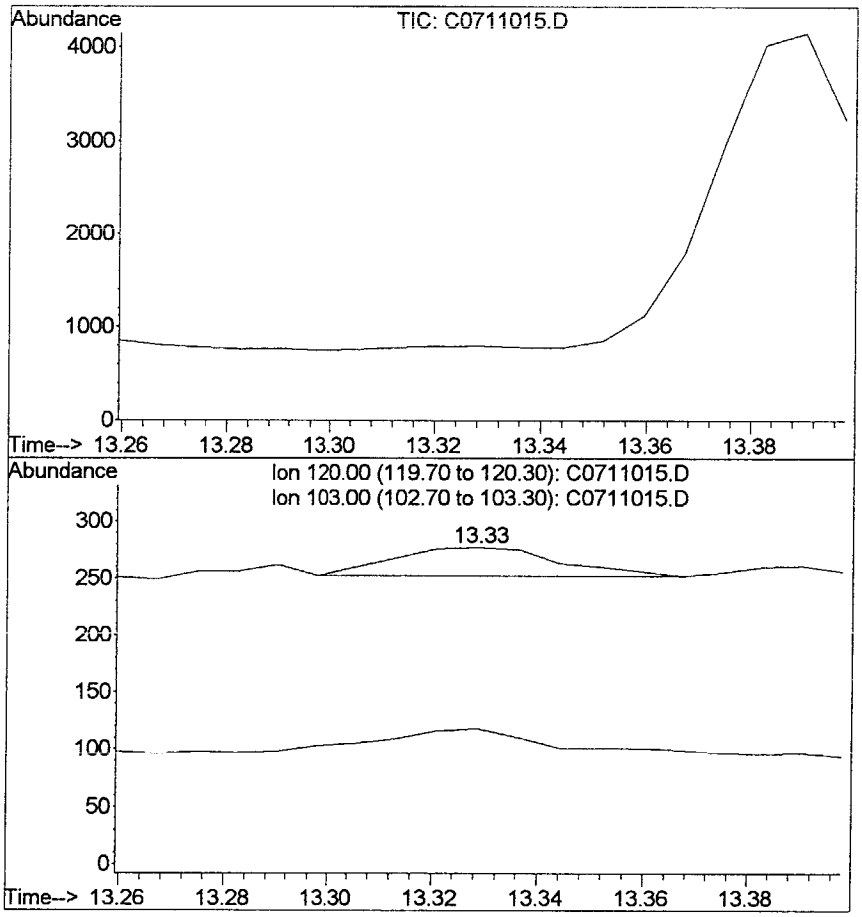
Ion	Ratio	Lower	Upper
92	100		
75	44.6	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion:113 Resp: 3366

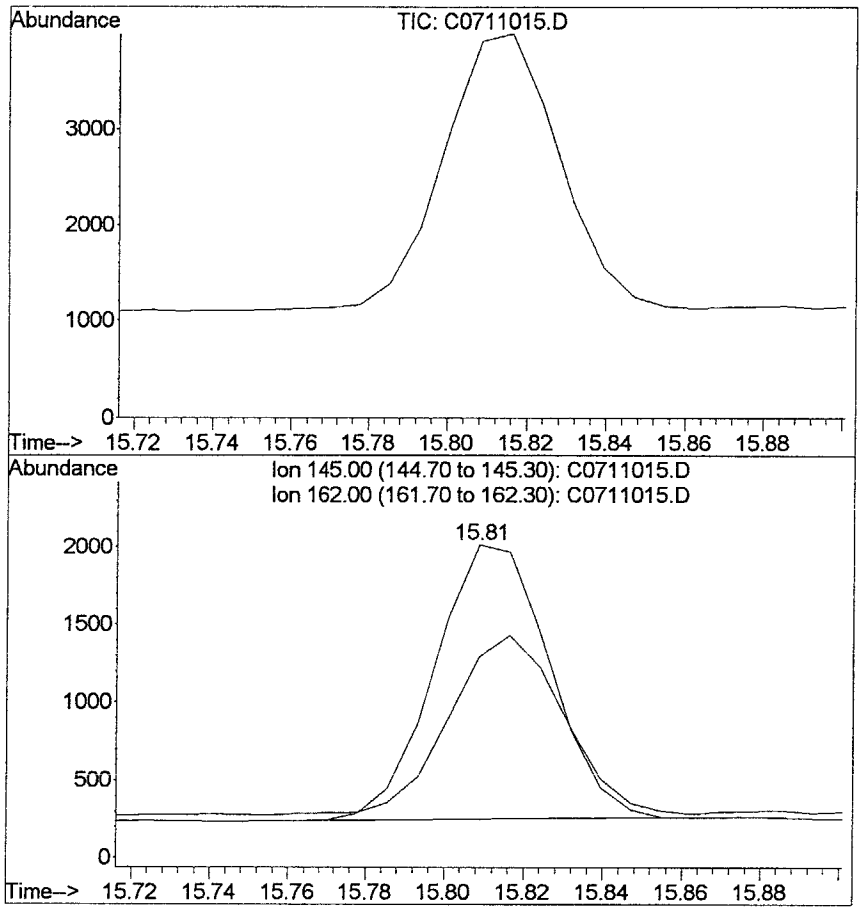
Ion	Ratio	Lower	Upper
113	100		
130	106.5	67.1	137.1



#4
NDEA
Concen: 0.15 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion:120 Resp: 55

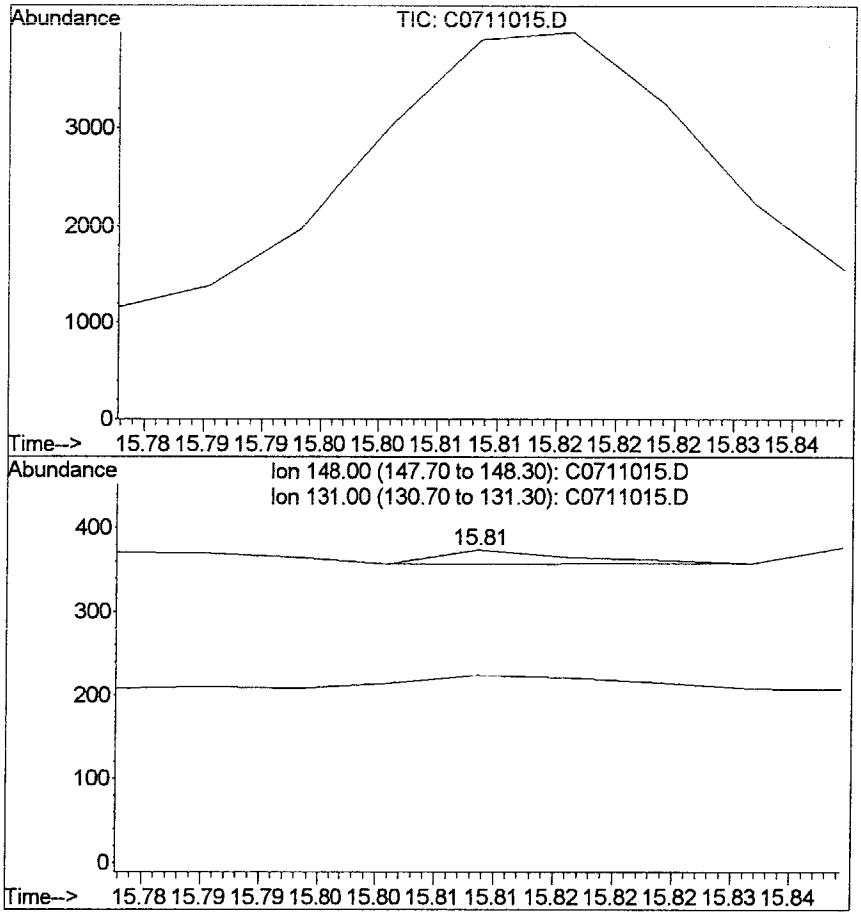
Ion	Ratio	Lower	Upper
120	100		
103	83.6	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.81 min Scan# 809
Delta R.T. -0.00 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion:145 Resp: 3545

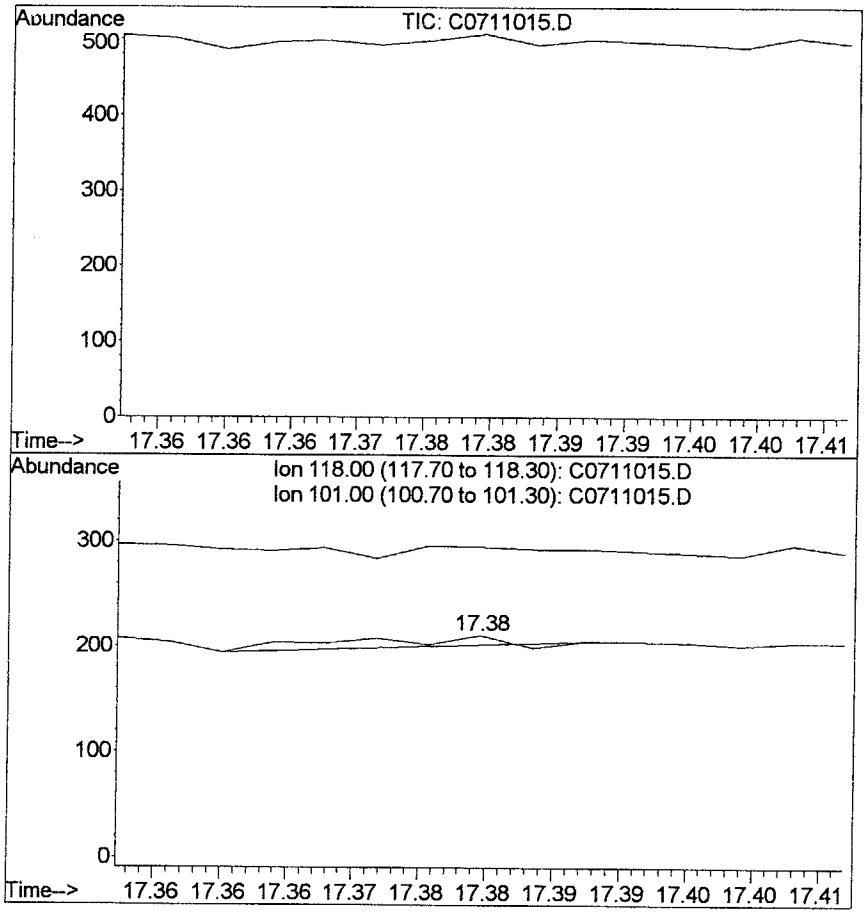
Ion	Ratio	Lower	Upper
145	100		
162	64.9	22.4	102.4



#6
NDPA
Concen: 0.05 PPB
RT: 15.81 min Scan# 809
Delta R.T. 0.04 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion:148 Resp: 13

Ion	Ratio	Lower	Upper
148	100		
131	153.8	99.8	207.2



#7
NPYR
Concen: 0.03 PPB
RT: 17.38 min Scan# 1123
Delta R.T. 0.18 min
Lab File: C0711015.D
Acq: 11 Jul 2007 8:04 pm

Tgt Ion:118 Resp: 8

Ion	Ratio	Lower	Upper
118	100		
101	125.0	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711016.D Vial: 17
Acq On : 11 Jul 2007 8:27 pm Operator: DF/AI
Sample : IQG0607-05 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:32 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

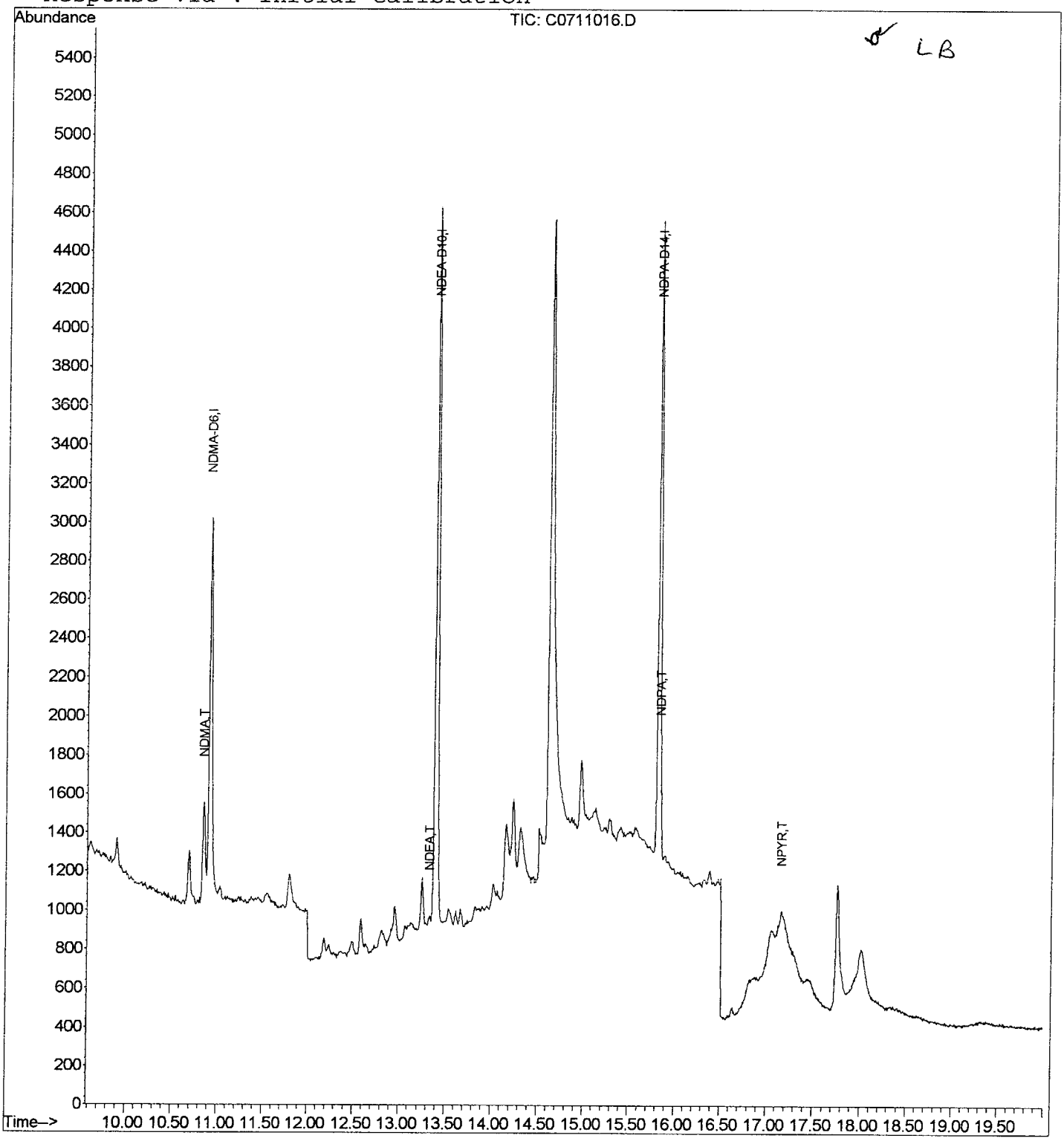
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) NDMA-D6	10.91	81	1779	10.00 PPB		0.00
3) NDEA-D10	13.38	113	3732	10.00 PPB		0.00
5) NDPA-D14	15.82	145	3782	10.00 PPB		0.00
Target Compounds						Qvalue
2) NDMA	10.85	92	693	1.95 PPB		96
4) NDEA	13.33	120	66	0.16 PPB	#	52
6) NDPA	15.85	148	28	0.09 PPB		61
7) NPYR	17.16	118	24	0.08 PPB	#	2

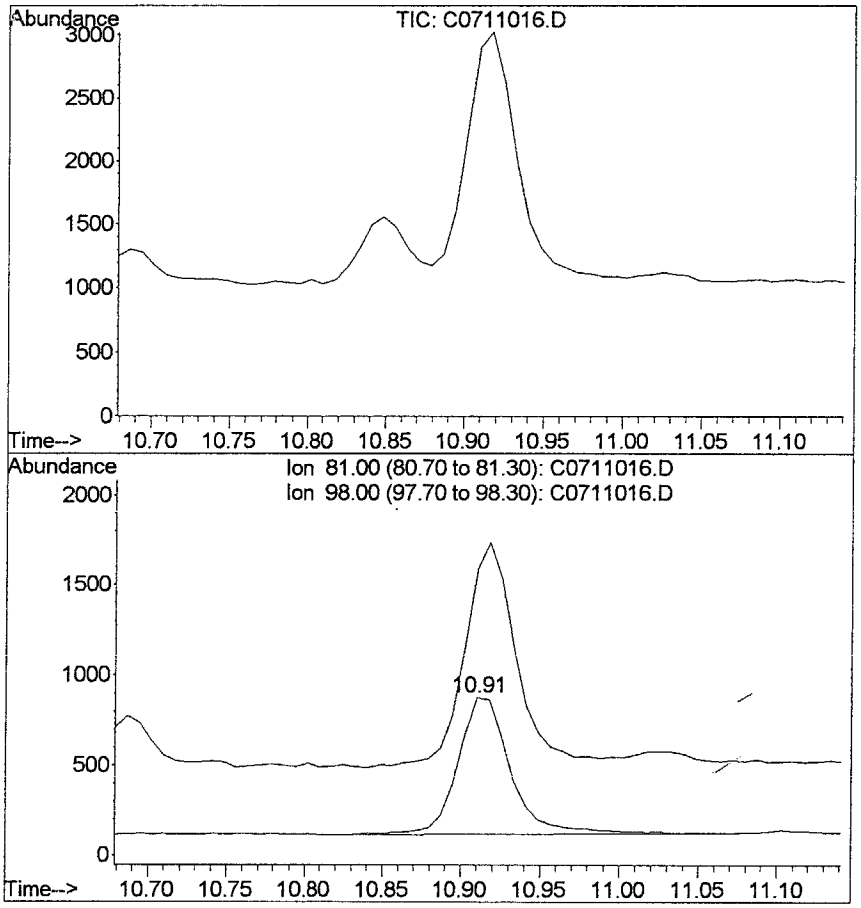
(#) = qualifier out of range (m) = manual integration
C0711016.D C7F14NW.M Thu Jul 12 09:32:05 2007 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL11\C0711016.D Vial: 17
Acq On : 11 Jul 2007 8:27 pm Operator: DF/AI
Sample : IQG0607-05 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G10045 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 12 9:32 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

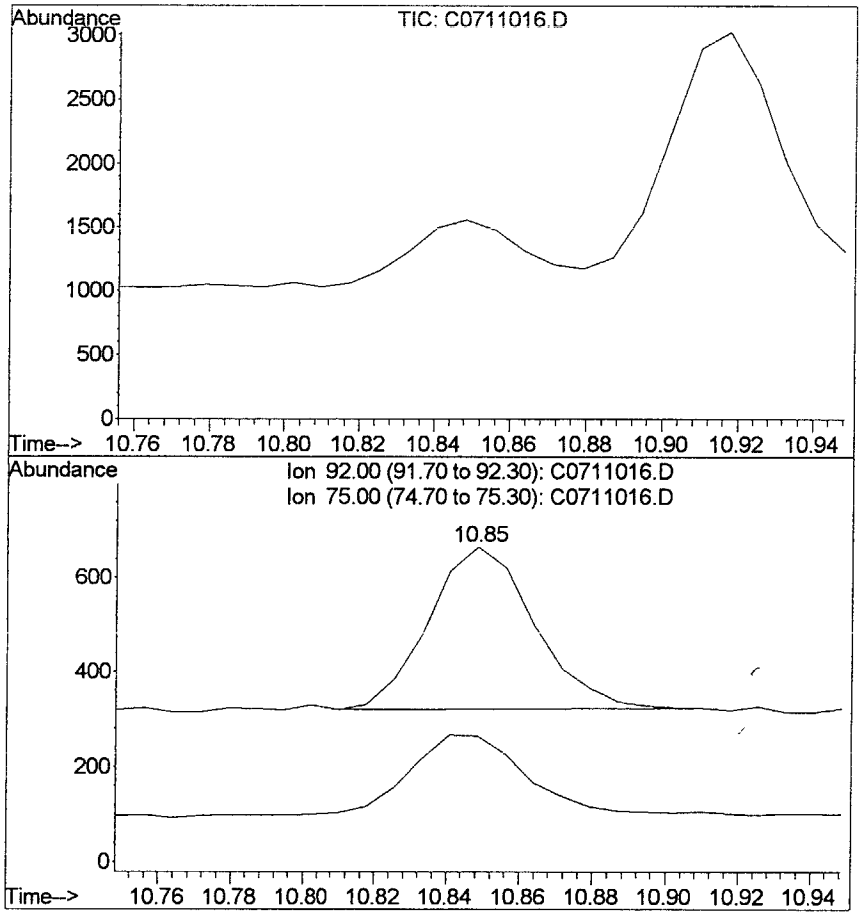




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion: 81 Resp: 1779

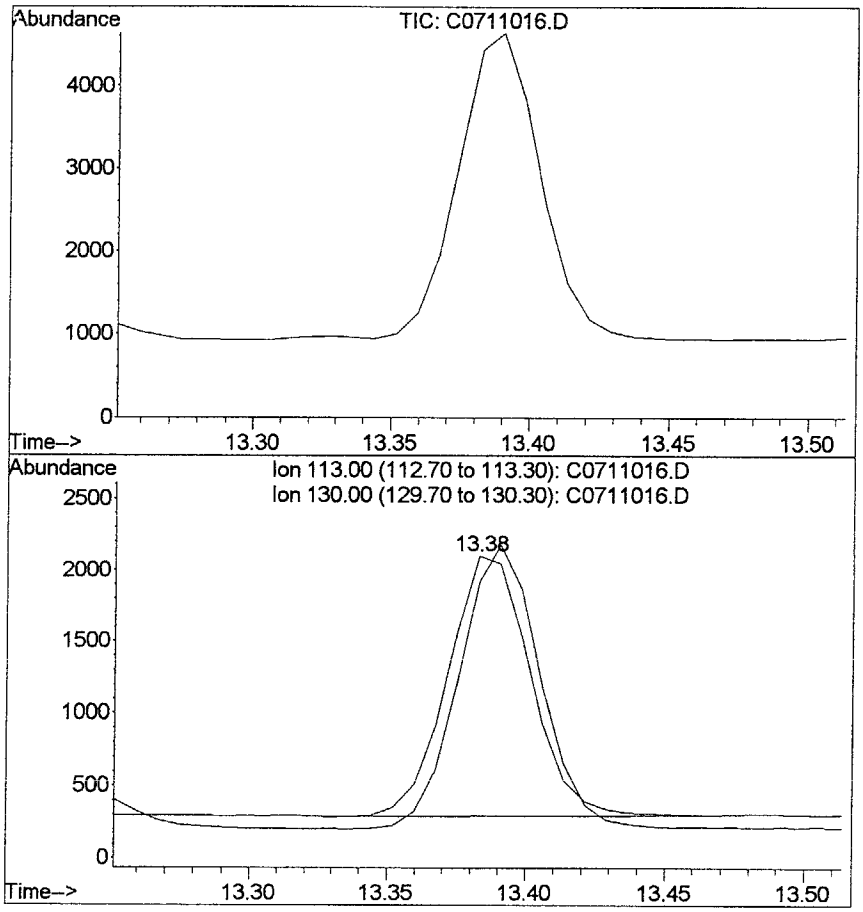
Ion	Ratio	Lower	Upper
81	100		
98	147.3	144.1	224.1



#2
NDMA
Concen: 1.95 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion: 92 Resp: 693

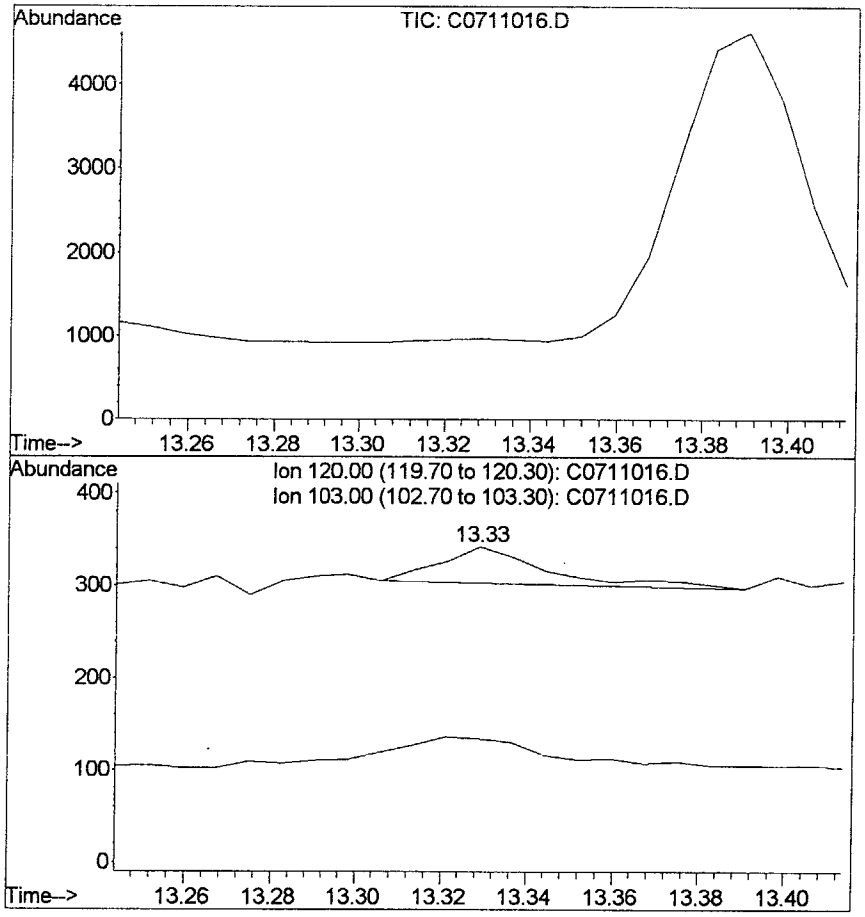
Ion	Ratio	Lower	Upper
92	100		
75	51.7	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion:113 Resp: 3732

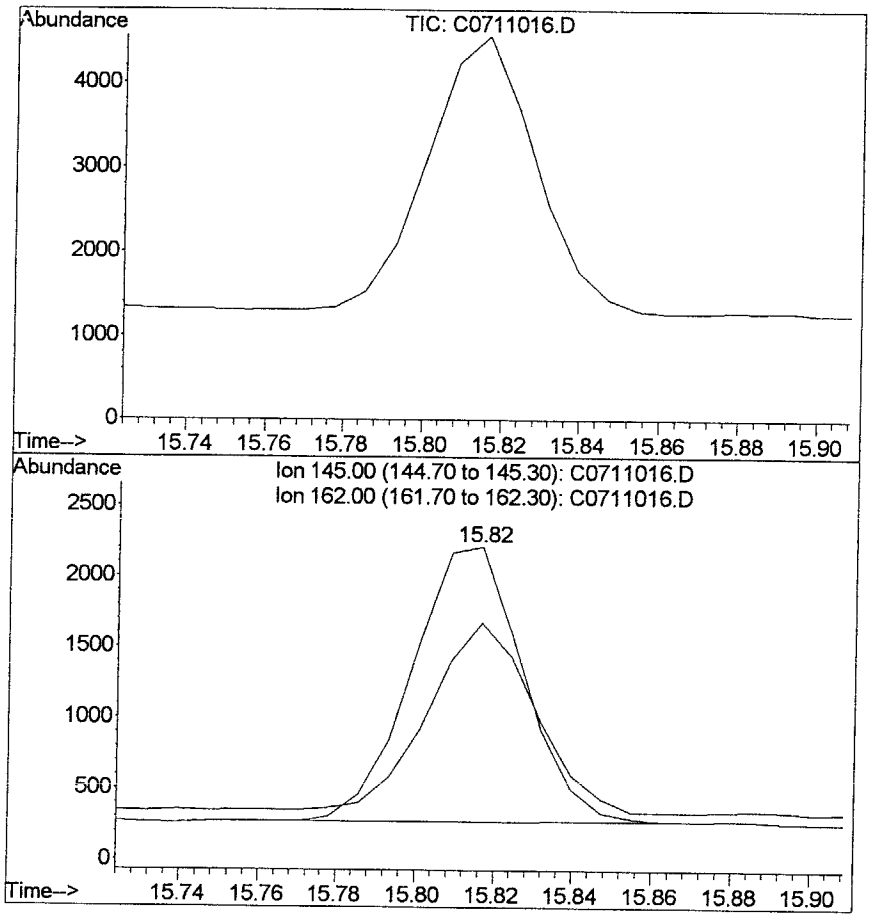
Ion	Ratio	Lower	Upper
113	100		
130	105.5	67.1	137.1



#4
NDEA
Concen: 0.16 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion:120 Resp: 66

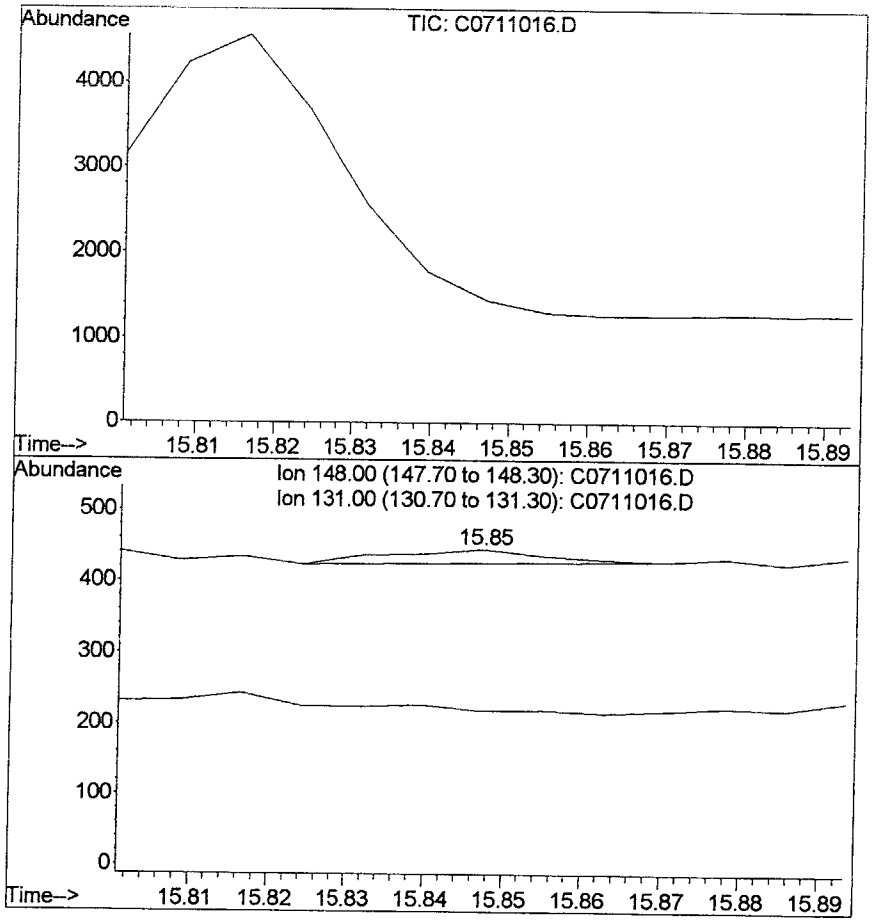
Ion	Ratio	Lower	Upper
120	100		
103	148.5	65.3	135.5#



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion:145 Resp: 3782

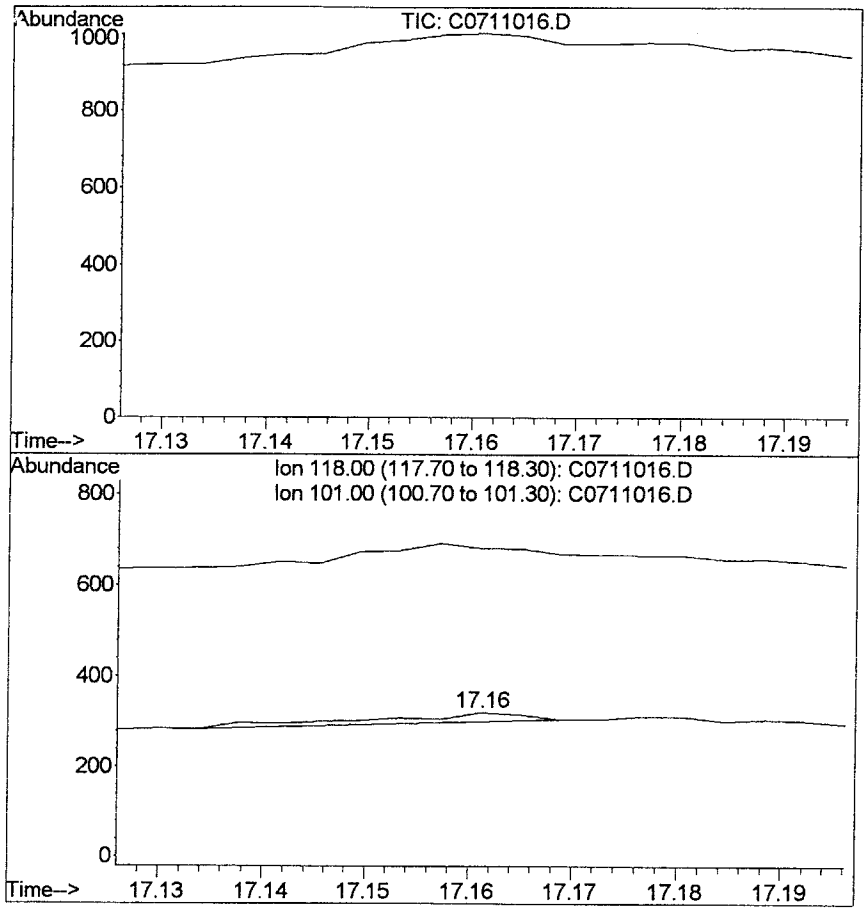
Ion	Ratio	Lower	Upper
145	100		
162	65.2	22.4	102.4



#6
NDPA
Concen: 0.09 PPB
RT: 15.85 min Scan# 814
Delta R.T. 0.08 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion:148 Resp: 28

Ion	Ratio	Lower	Upper
148	100		
131	103.6	99.8	207.2



#7
NPYR
Concen: 0.08 PPB
RT: 17.16 min Scan# 1067
Delta R.T. -0.04 min
Lab File: C0711016.D
Acq: 11 Jul 2007 8:27 pm

Tgt Ion:118 Resp: 24

Ion	Ratio	Lower	Upper
118	100		
101	0.0	62.6	130.0#

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\07JUL14\NNA010.D
Tune Time : 14 Jul 2007 7:05 am

Daily Calibration File : C:\MSDCHEM\1\DATA\07JUL14\NNA010.D

File	Sample	Internal Standard Responses		
		2297	4462	4685
C0714001.D	7G12056-BLK1	1708	3710	3957
C0714002.D	7G12056-BS1	1909	3937	4289
C0714003.D	7G12056-BS2	1698	3891	4341
C0714004.D	7G12056-BSD1	2183	4423	4470
C0714005.D	IQG0607-01RE	1698	3726	3841
C0714006.D	IQG0658-01	1849	5326	4158
C0714007.D	IQG0658-02	1832	4543	4220
C0714008.D	IQG0701-03	1575	3387	3611
C0714009.D	IQG0701-04	1425	3026	3049
C0714010.D	IQG0701-05	1752	3629	3846
C0714011.D	IQG0701-06	1554	3481	3595
C0714012.D	IQG0718-01	1599	3511	3758
C0714013.D	IQG0718-02	1720	3684	3685
C0714014.D	IQG0718-03	1444	3299	3434
C0714015.D	IQG0718-04	1311	2947	0*
C0714016.D	IQG0726-01	1589	3306	3660

- fails 12hr time check * - fails criteria

Created: Fri Aug 10 15:53:47 2007 gcms37

GC/MS DAILY LOG SUMMARY

DATE: 07/14/07 DATAFILE C:\MSDCHEM\1 \DATA\ 07JUL14

ANALYST: LB/KS 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:	2297			
2	7G12056-BLK1	-	C0714001	W	-	EXT	12056	LB 7-14-07	PE 7/16/07	
3	-BS1	-	02		-					
4	-BS2	-	03		-					
5	-BSD1	-	04		-					
6	1Q60607-01RE1	-	05		-					
7	1Q60658-01	-	06		-					
8	-02	-	07		-					
9	1Q60701-03	-	08		-					
10	-04	-	09		-					
11	-05	-	10		-					
12	-06	-	11		-					
13	1Q60718-01	-	12		-					
14	-02	-	13		-					
15	-03	-	14		-					
16	-04	-	15		-					
17	1Q60726-01	-	16		-					
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Standard Code: 7060221 Methylene Chloride Lot#: 072334

PREPARATION BENCH SHEET

7G12056

TestAmerica - Irvine, CA

Printed: 7/14/2007 11:05:02AM

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	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G12056-BLK1		QC	07/12/07 08:46	1000	1			0		0	100				HPLC water emd 46318
7G12056-BS1		QC	07/12/07 08:46	1000	1		7030370	250	7040159	50	100				HPLC water emd 46318
7G12056-BS2		QC	07/12/07 08:46	1000	1		7030370	50			100				HPLC water emd 46318
7G12056-BSD1		QC	07/12/07 08:46	1000	1		7030370	250	7040159	50	100				HPLC water emd 46318
IQG0607-01RE1	E	NDMA-1625C Mod	07/12/07 08:46	1040	1						100				Re-extract added 7/12/2007 by LB pH=7
IQG0658-01	A	NDMA-1625C Mod	07/12/07 08:46	980	1						100				pH=7
IQG0658-02	A	NDMA-1625C Mod	07/12/07 08:46	980	1						100				pH=7
IQG0701-03	H	NDMA-1625C Mod	07/12/07 08:46	1050	1						100				pH=7
IQG0701-04	H	NDMA-1625C Mod	07/12/07 08:46	1040	1						100				pH=7
IQG0701-05	H	NDMA-1625C Mod	07/12/07 08:46	1040	1						100				pH=7
IQG0701-06	H	NDMA-1625C Mod	07/12/07 08:46	1040	1						100				pH=7
IQG0718-01	E	NDMA-1625C Mod	07/12/07 08:46	920	1						100				pH=7
IQG0718-02	E	NDMA-1625C Mod	07/12/07 08:46	1020	1						100				pH=7
IQG0718-03	E	NDMA-1625C Mod	07/12/07 08:46	1030	1						100				pH=7
IQG0718-04	E	NDMA-1625C Mod	07/12/07 08:46	920	1						100				pH=7
IQG0726-01	P	NDMA-1625C Mod-ST	07/12/07 08:46	1050	1						100				jflag
IQG0726-01	P	8270C-1,4-Dioxane-LI	07/12/07 08:46	1050	1						100				jflag; rl 0.5ppb pH=7

Reagents used in Batch

Reagent	Description	Solvent

Spiking Witnessed By Date

JMH 7/14/07
Preparation Reviewed By Date

LB 7-14-07
Extracts Received By Date

149

PREPARATION BENCH SHEET

7G12056

TestAmerica - Irvine, CA

Printed: 7/14/2007 11:05:02AM

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	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
Base heat started		7/12/07 @ 1430													
stop		7/13/07 @ 1100													
MeCl2 fisher 067673															
NaOH jtb C11676															
Na2SO4 emd 46361707															

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

PREPARATION BENCH SHEET

7G12056

TestAmerica - Irvine, CA

Printed: 7/12/2007 8:53:43AM

7060499
7060473 ~~(No Surrogate)~~

Matrix: Water J6

Prepared using: Extractions - EPA 3520C

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
7G12056-BLK1		QC	07/12/07 08:46	1000	1			0		0	100	JMH			HPLCWATER EMD 46318
7G12056-BS1		QC	07/12/07 08:46	1000	1		7030370	250	7040159 ~~7030370~~	50					
7G12056-BS2		QC	07/12/07 08:46	1000	1			50							
7G12056-BSD1		QC	07/12/07 08:46	1000	1			250	7040159	50					
IQG0658-01	A	NDMA-1625C Mod	07/12/07 08:46	980 ~~1000~~	1										PH=7
IQG0658-02	A	NDMA-1625C Mod	07/12/07 08:46	980 ~~1000~~	1										PH=7
IQG0701-03	H	NDMA-1625C Mod	07/12/07 08:46	1050 ~~1000~~	1										PH=7
IQG0701-04	H	NDMA-1625C Mod	07/12/07 08:46	1040 ~~1000~~	1										PH=7
IQG0701-05	H	NDMA-1625C Mod	07/12/07 08:46	1040 ~~1000~~	1										PH=7
IQG0701-06	H	NDMA-1625C Mod	07/12/07 08:46	1040 ~~1000~~	1										PH=7
IQG0718-01	E	NDMA-1625C Mod	07/12/07 08:46	920 ~~1000~~	1										PH=7
IQG0718-02	E	NDMA-1625C Mod	07/12/07 08:46	1020 ~~1000~~	1										PH=7
IQG0718-03	E	NDMA-1625C Mod	07/12/07 08:46	1030 ~~1000~~	1										PH=7
IQG0718-04	E	NDMA-1625C Mod	07/12/07 08:46	920 ~~1000~~	1										PH=7
IQG0726-01	P	NDMA-1625C Mod-ST	07/12/07 08:46	1050 ~~1000~~	1										jflag PH=7
IQG0726-01	P	8270C-1,4-Dioxane-LL	07/12/07 08:46	1000	1										jflag; rl 0.5ppb

607-01RG NDMA-1625C MOD 1040 PH=7

$MeCl_2$ FISHER 067673
NaOH JTB C11676
Na_2SO_4 EMD 46361707

Base heat Started 7/12/07 @1430
Stop 7/13/07 @ 1100

JMH 7/12/07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

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

Data File: NNA010.D
Method File: C7F14NW

Instrument: gcms37
Date: 7/14/2007 7:05

Name	Conc.	Response	% Rec.	QC Limits
NDMA	10.00	10.31	103.1	(80-120)
NDEA	10.00	10.06	100.6	(80-120)
NDPA	10.00	9.02	90.2	(80-120)
NPYR	10.00	9.21	92.1	(80-120)

*Denotes value out of acceptance limit.

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

2nd Level Review:	OC	Analyst:	KS
Date:	7/16/07	Analysis Date:	07-14-07
QC Batches:	7G12056	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:

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\NNA010.D Vial: 1
Acq On : 14 Jul 2007 7:05 am Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines water Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 7:46 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

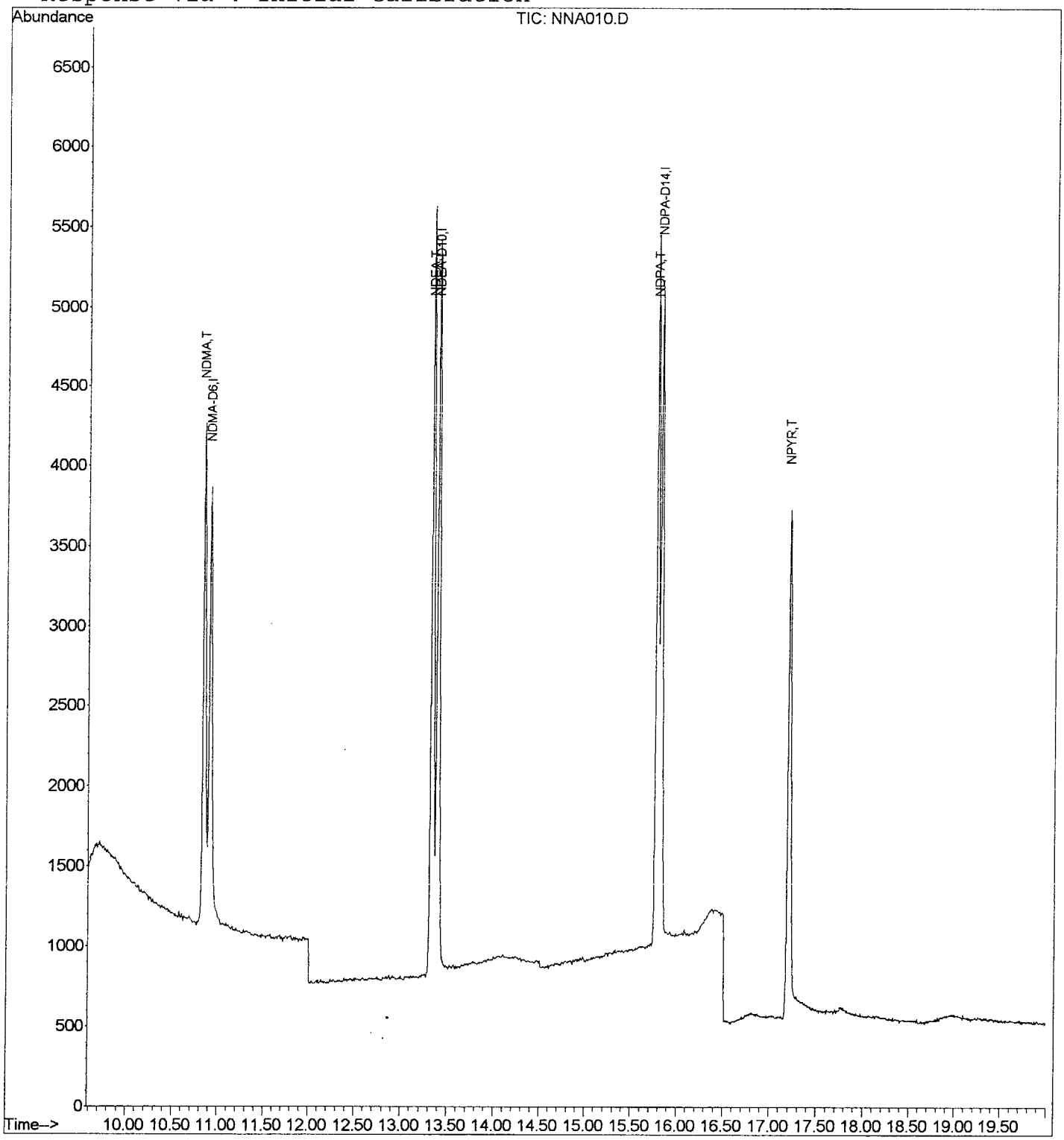
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) NDMA-D6	10.91	81	2297	10.00	PPB	0.00
3) NDEA-D10	13.38	113	4462	10.00	PPB	0.00
5) NDPA-D14	15.82	145	4685	10.00	PPB	0.00
Target Compounds						Qvalue
2) NDMA	10.84	92	4741	10.31	PPB	98
4) NDEA	13.33	120	4811	10.06	PPB	100
6) NDPA	15.77	148	3397	9.02	PPB	98
7) NPYR	17.20	118	3452	9.21	PPB	92

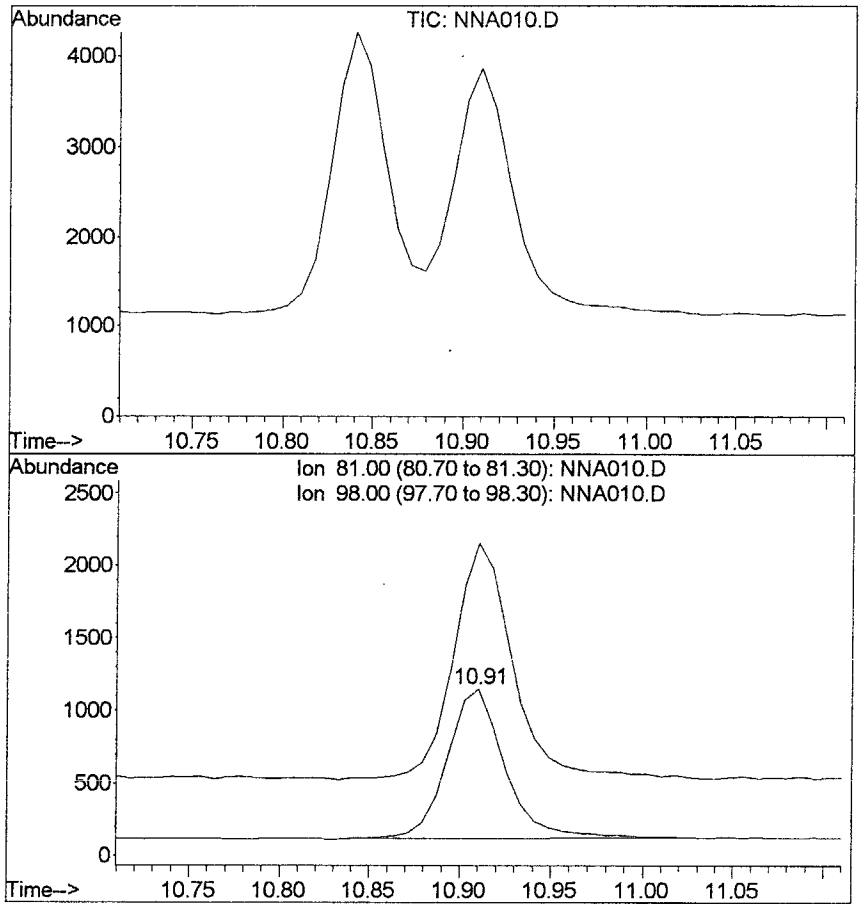
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\NNA010.D Vial: 1
Acq On : 14 Jul 2007 7:05 am Operator: DF/AI
Sample : 10ppb Std.# 7060221 Inst : gcms37
Misc : n-Nitrosamines water Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 7:46 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

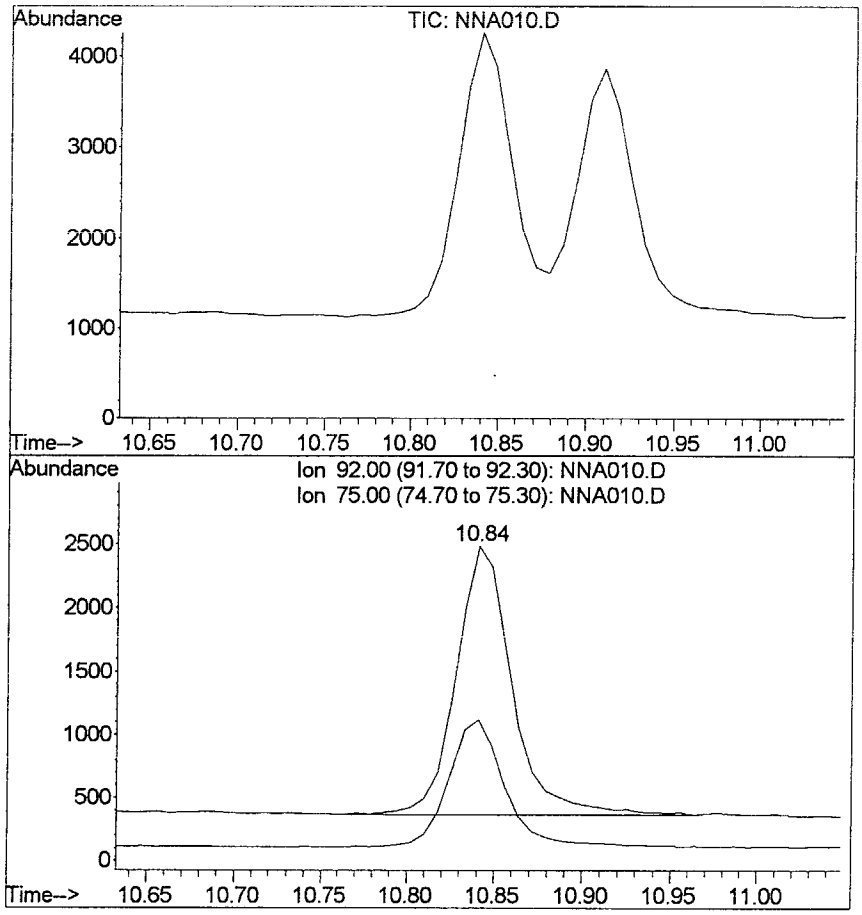




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion: 81 Resp: 2297

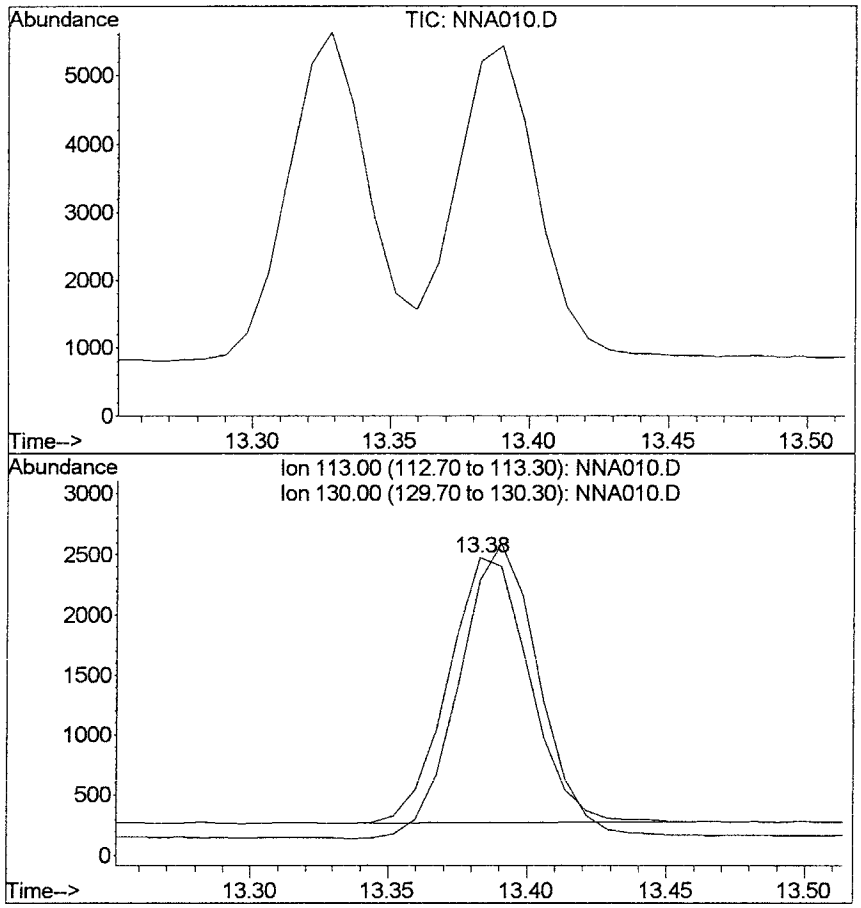
Ion	Ratio	Lower	Upper
81	100		
98	162.0	144.1	224.1



#2
NDMA
Concen: 10.31 PPB
RT: 10.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion: 92 Resp: 4741

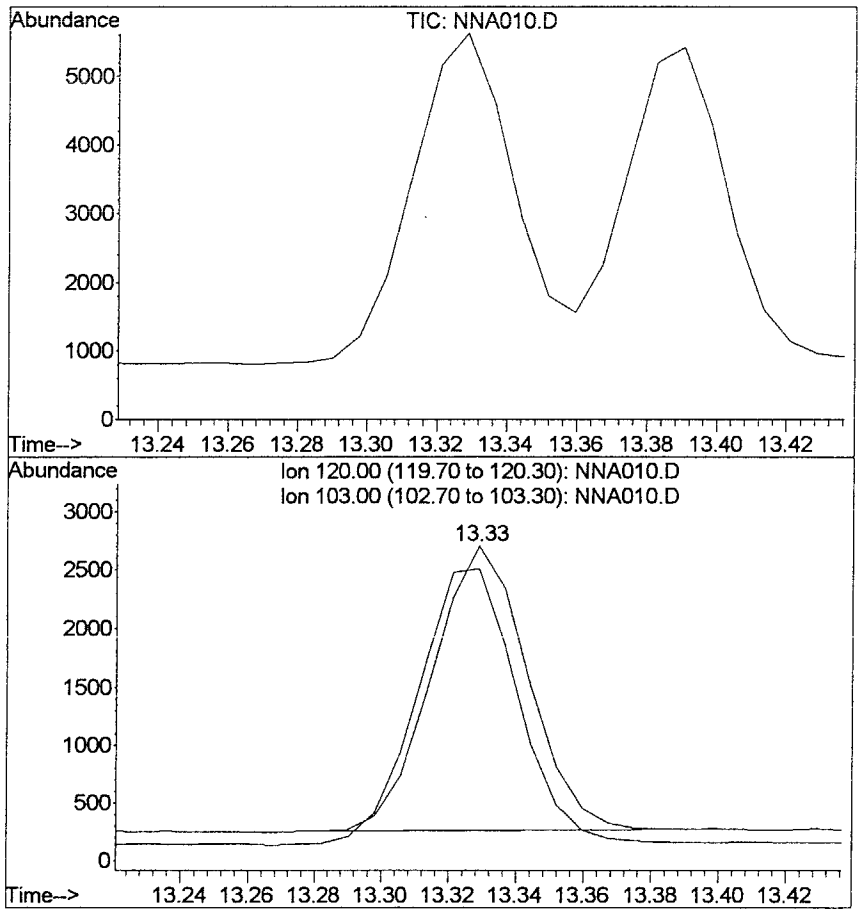
Ion	Ratio	Lower	Upper
92	100		
75	47.7	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion:113 Resp: 4462

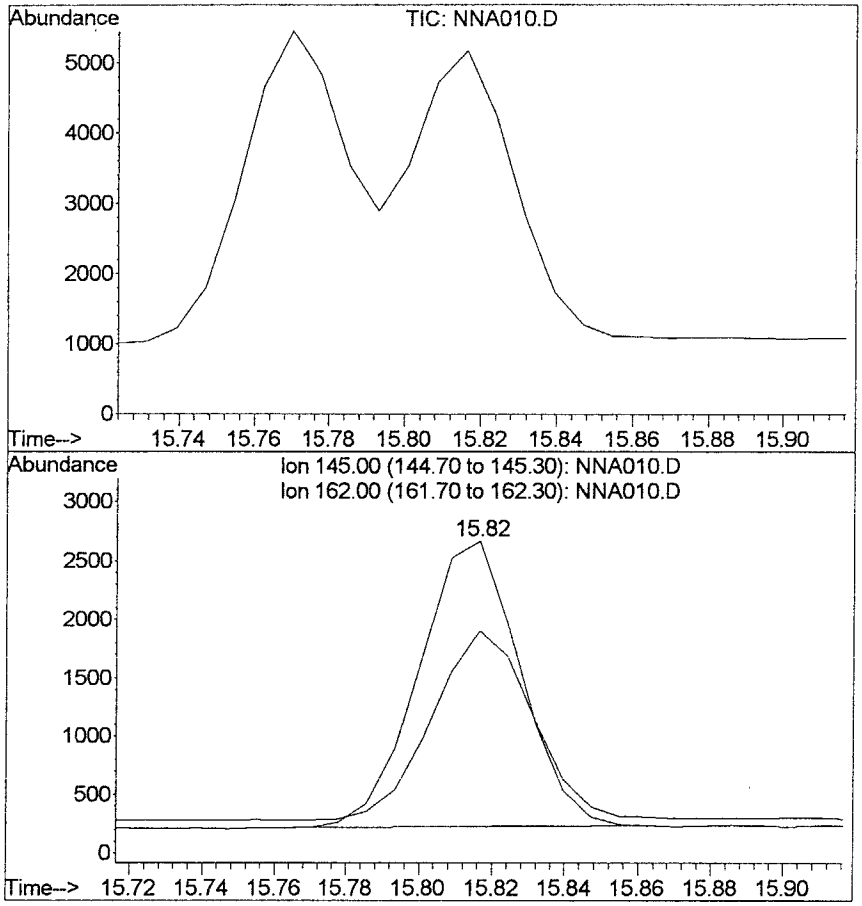
Ion	Ratio	Lower	Upper
113	100		
130	108.6	67.1	137.1



#4
NDEA
Concen: 10.06 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion:120 Resp: 4811

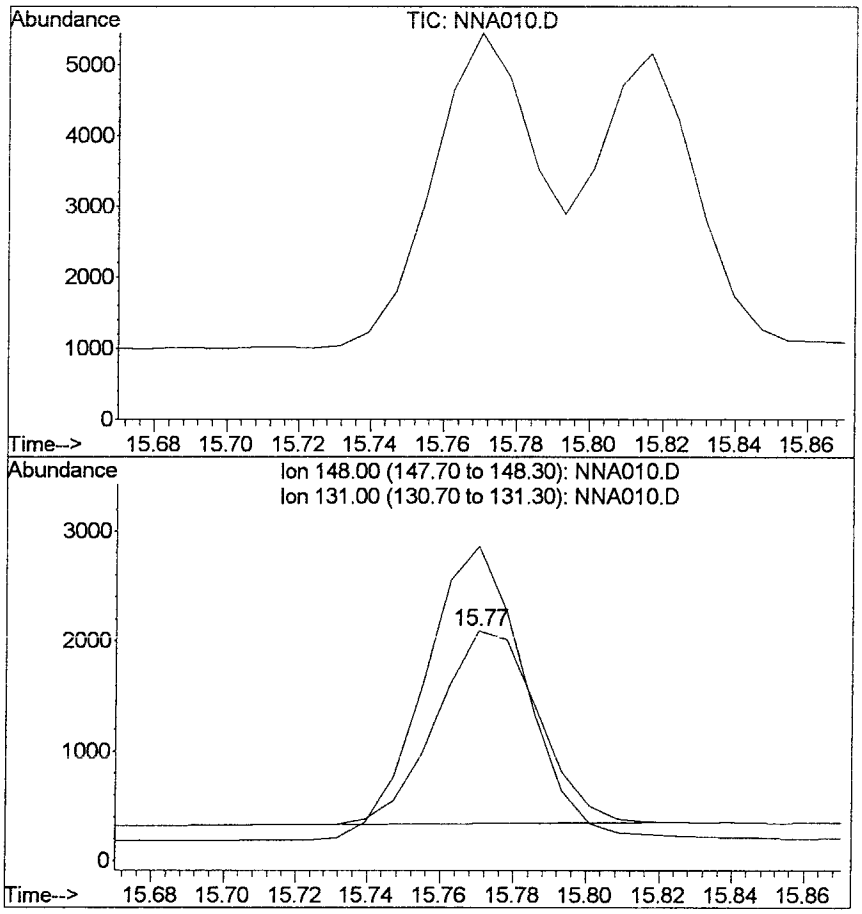
Ion	Ratio	Lower	Upper
120	100		
103	100.9	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion:145 Resp: 4685

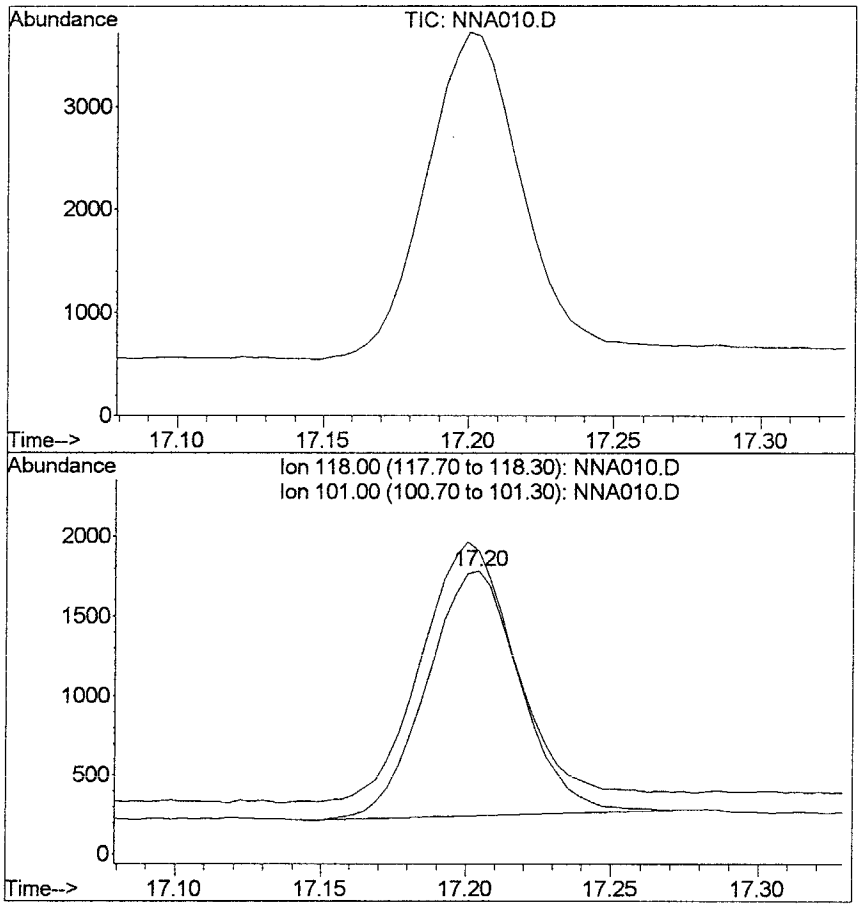
Ion	Ratio	Lower	Upper
145	100		
162	65.4	22.4	102.4



#6
NDPA
Concen: 9.02 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion:148 Resp: 3397

Ion	Ratio	Lower	Upper
148	100		
131	151.5	99.8	207.2



#7
NPYR
Concen: 9.21 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: NNA010.D
Acq: 14 Jul 2007 7:05 am

Tgt Ion:118 Resp: 3452

Ion	Ratio	Lower	Upper
118	100		
101	104.2	62.6	130.0

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\07JUL14\NNA010.D Vial: 1
Acq On : 14 Jul 2007 7:05 am 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	82	0.00
2	T	NDMA	2.002	2.064	-3.1	80	0.00
3	I	NDEA-D10	1.000	1.000	0.0	83	0.00
4	T	NDEA	1.072	1.078	-0.6	79	0.00
5	I	NDPA-D14	1.000	1.000	0.0	96	0.00
6	T	NDPA	0.804	0.725	9.8	74	0.00
7	T	NPYR	0.800	0.737	7.9	86	0.00

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714001.D Vial: 2
Acq On : 14 Jul 2007 7:29 am Operator: DF/AI
Sample : 7G12056-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 7:49 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

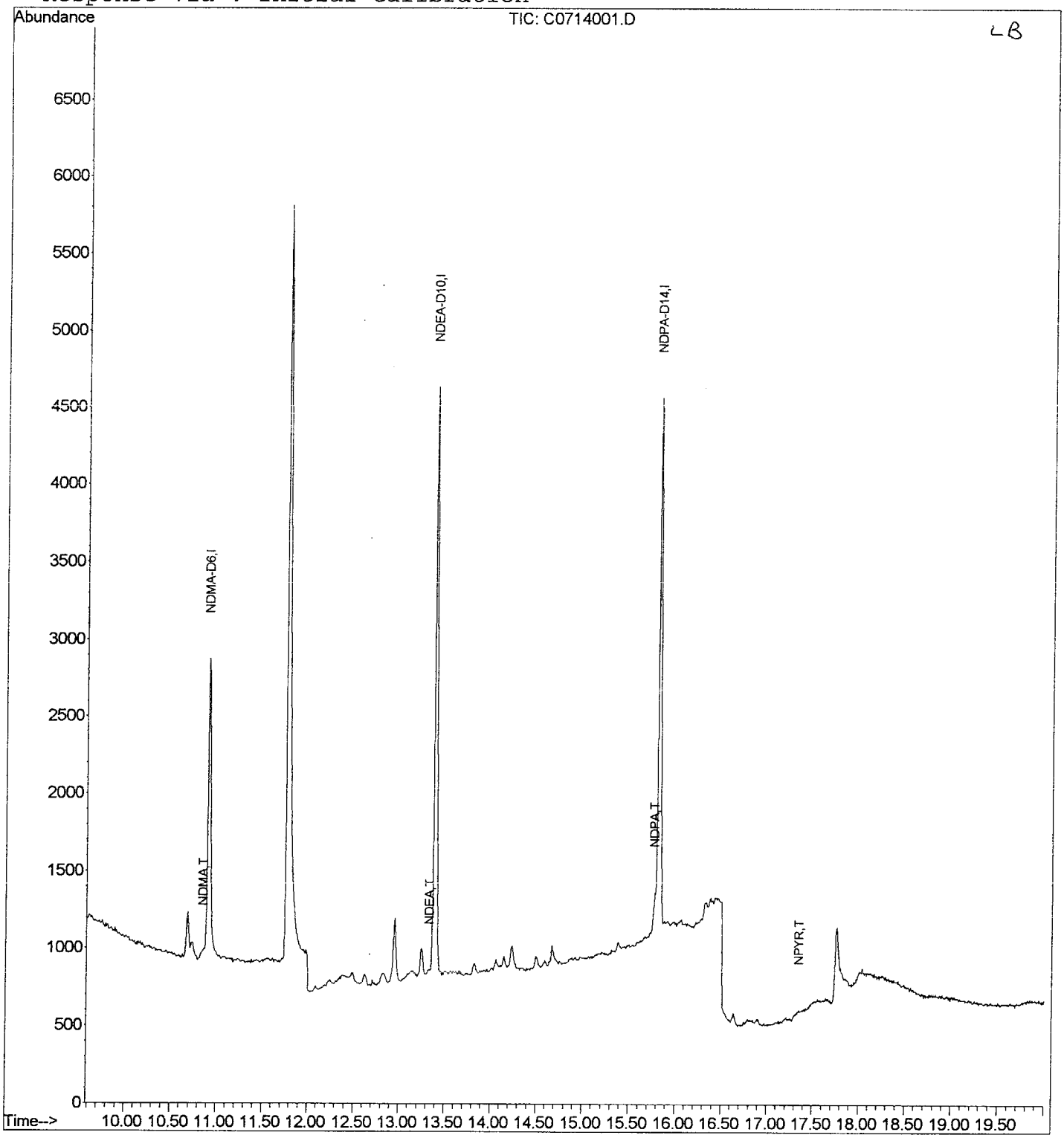
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) NDMA-D6	10.91	81	1708	10.00 PPB		0.00
3) NDEA-D10	13.38	113	3710	10.00 PPB		0.00
5) NDPA-D14	15.82	145	3957	10.00 PPB		0.00
Target Compounds						Qvalue
2) NDMA	10.85	92	92	0.27 PPB		97
4) NDEA	13.34	120	61	0.15 PPB		95
6) NDPA	15.77	148	277	0.87 PPB	#	41
7) NPYR	17.35	118	16	0.05 PPB		72

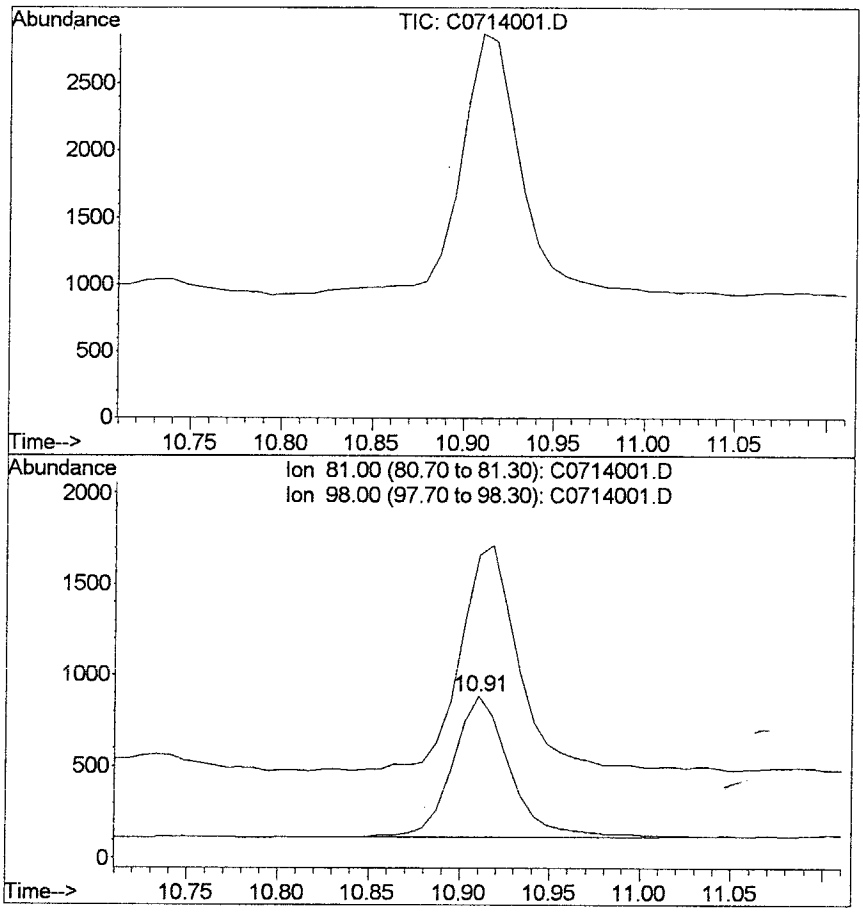
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714001.D Vial: 2
Acq On : 14 Jul 2007 7:29 am Operator: DF/AI
Sample : 7G12056-BLK1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 7:49 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

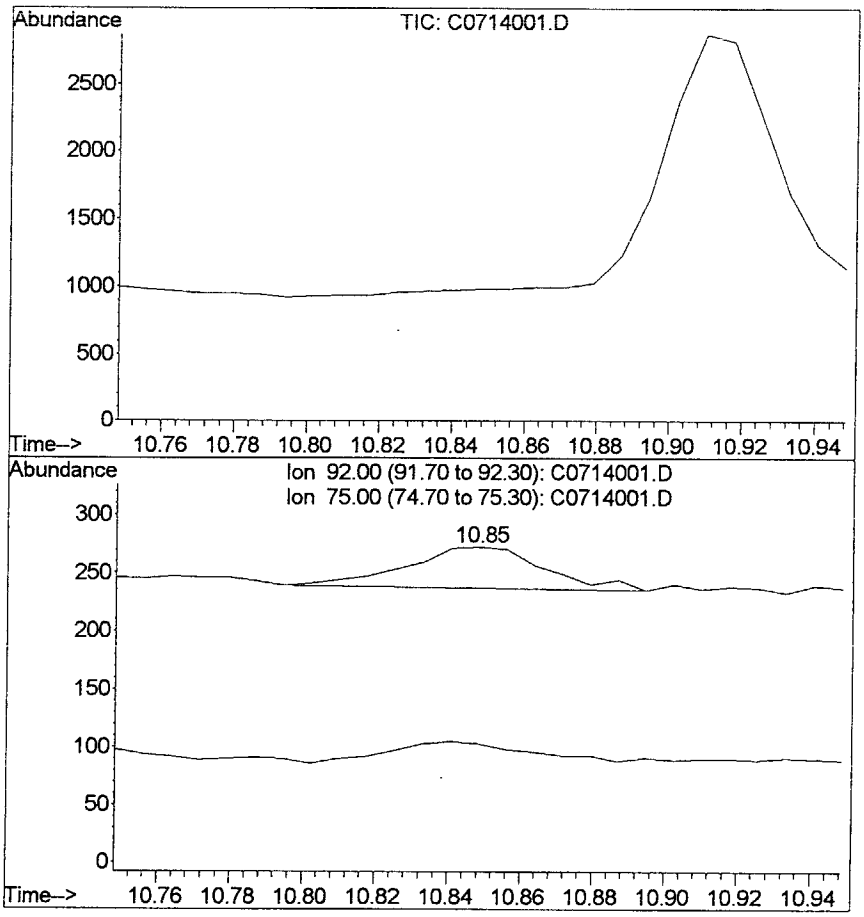




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion: 81 Resp: 1708

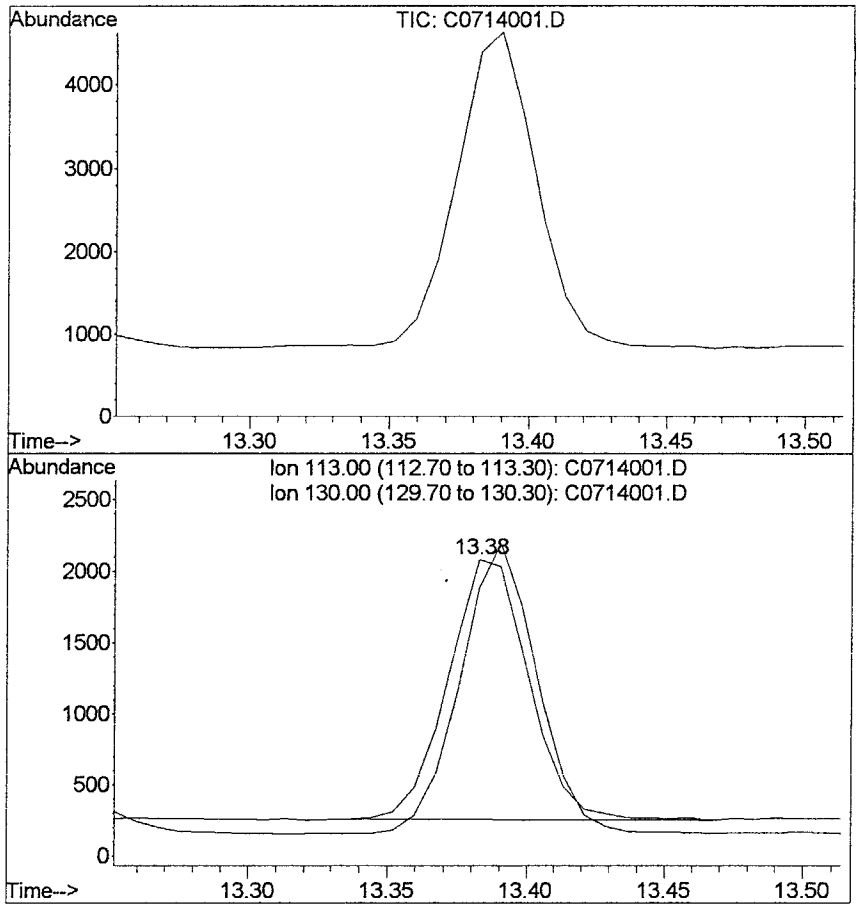
Ion	Ratio	Lower	Upper
81	100		
98	158.8	144.1	224.1



#2
NDMA
Concen: 0.27 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion: 92 Resp: 92

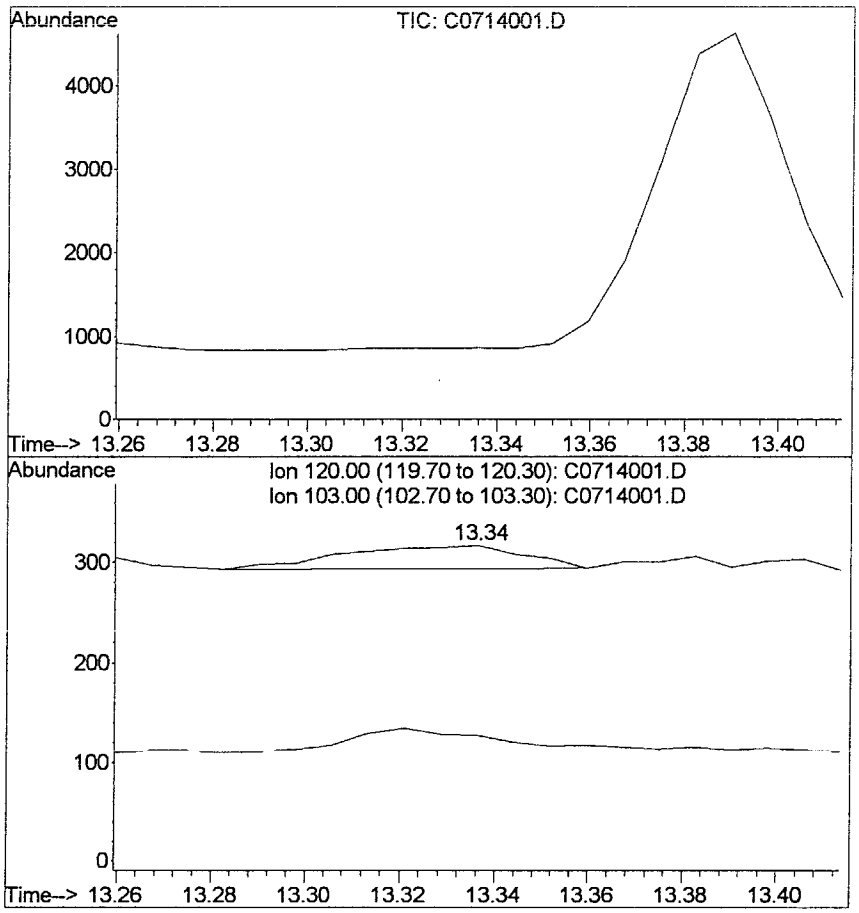
Ion	Ratio	Lower	Upper
92	100		
75	51.1	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion:113 Resp: 3710

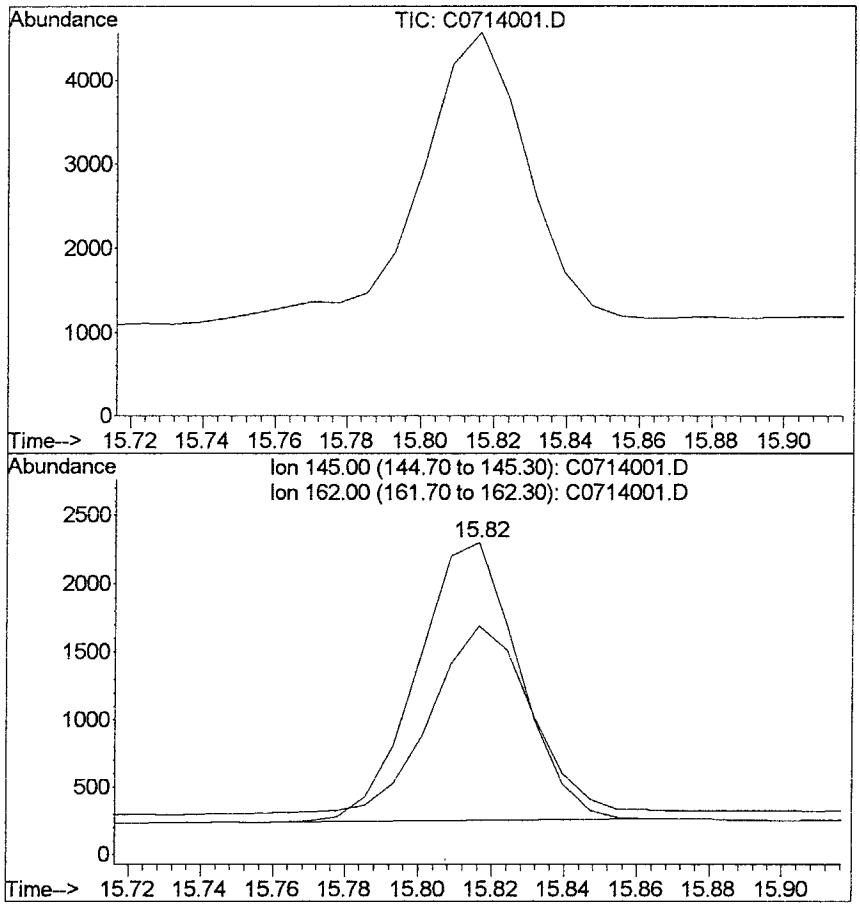
Ion	Ratio	Lower	Upper
113	100		
130	105.7	67.1	137.1



#4
NDEA
Concen: 0.15 PPB
RT: 13.34 min Scan# 488
Delta R.T. 0.02 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion:120 Resp: 61

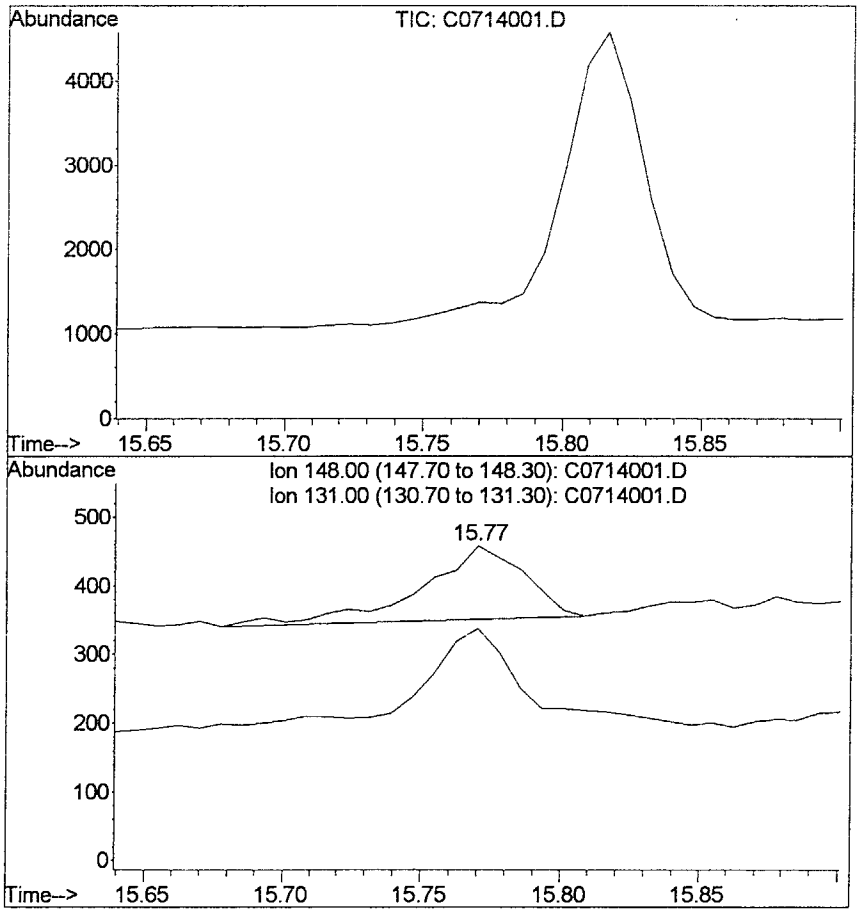
Ion	Ratio	Lower	Upper
120	100		
103	95.1	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion:145 Resp: 3957

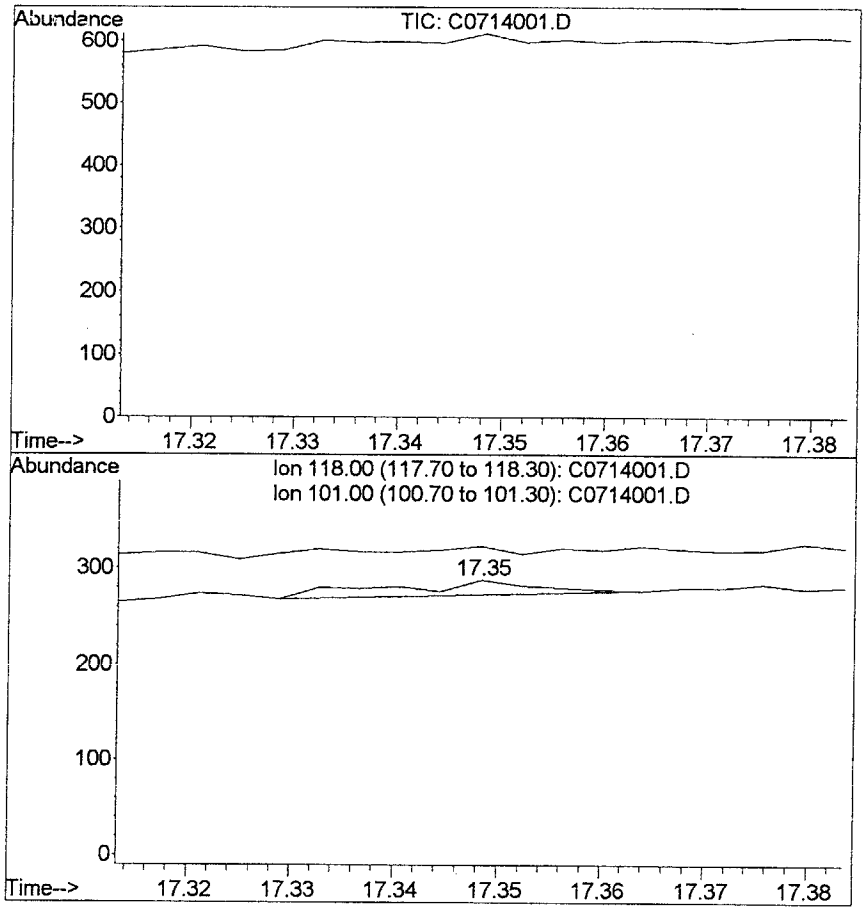
Ion	Ratio	Lower	Upper
145	100		
162	64.9	22.4	102.4



#6
NDPA
Concen: 0.87 PPB
RT: 15.77 min Scan# 804
Delta R.T. -0.00 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion:148 Resp: 277

Ion	Ratio	Lower	Upper
148	100		
131	77.3	99.8	207.2#



#7
NPYR
Concen: 0.05 PPB
RT: 17.35 min Scan# 1115
Delta R.T. 0.15 min
Lab File: C0714001.D
Acq: 14 Jul 2007 7:29 am

Tgt Ion:118 Resp: 16

Ion	Ratio	Lower	Upper
118	100		
101	68.8	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714002.D Vial: 3
Acq On : 14 Jul 2007 7:52 am Operator: DF/AI
Sample : 7G12056-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 8:29 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

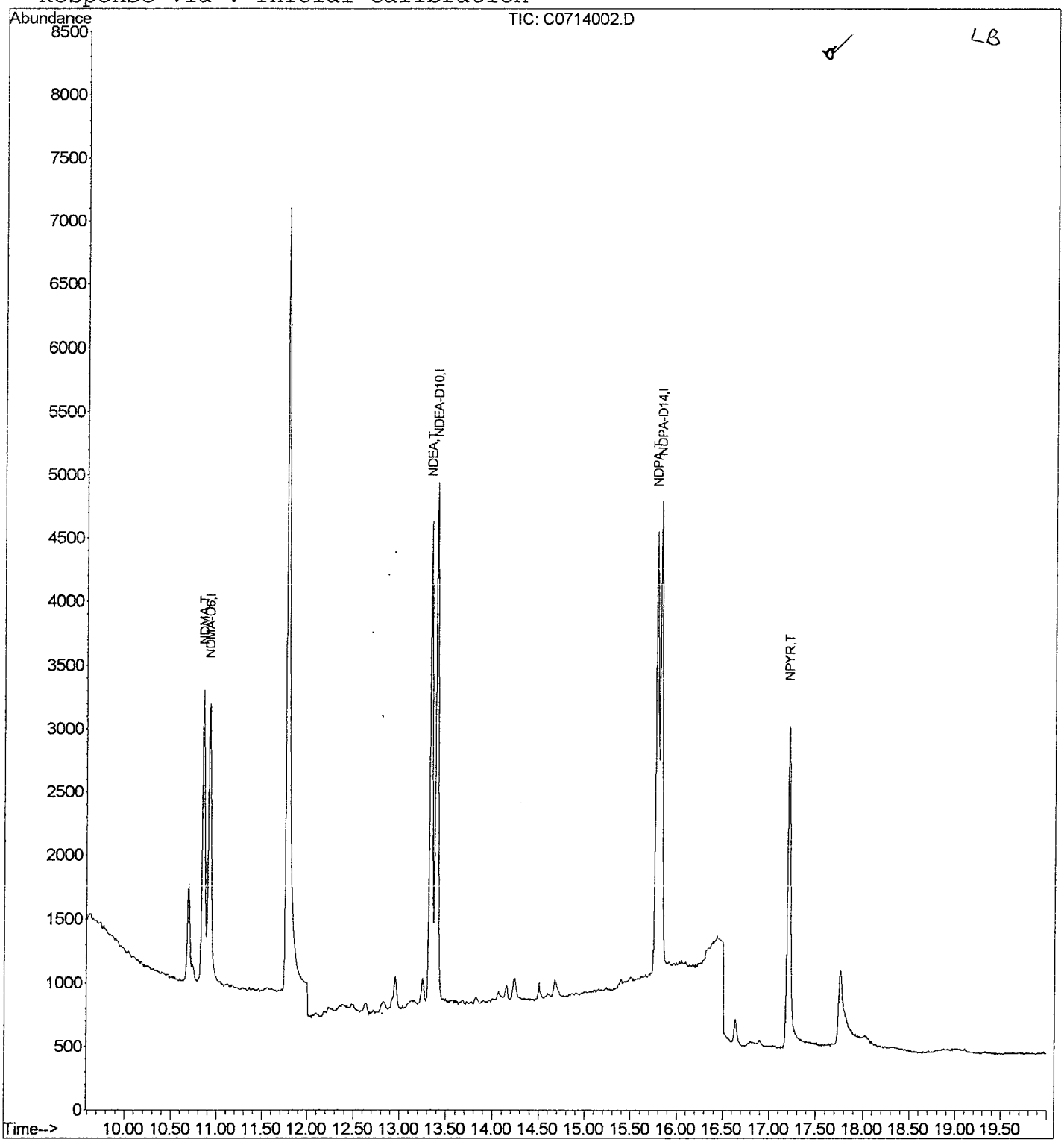
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	1909	10.00 PPB	0.00
3) NDEA-D10	13.39	113	3937	10.00 PPB	0.02
5) NDPA-D14	15.82	145	4289	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	3566	9.33 PPB	97
4) NDEA	13.33	120	3748	8.88 PPB	99
6) NDPA	15.77	148	2780	8.06 PPB	96
7) NPYR	17.20	118	2989	8.71 PPB	95

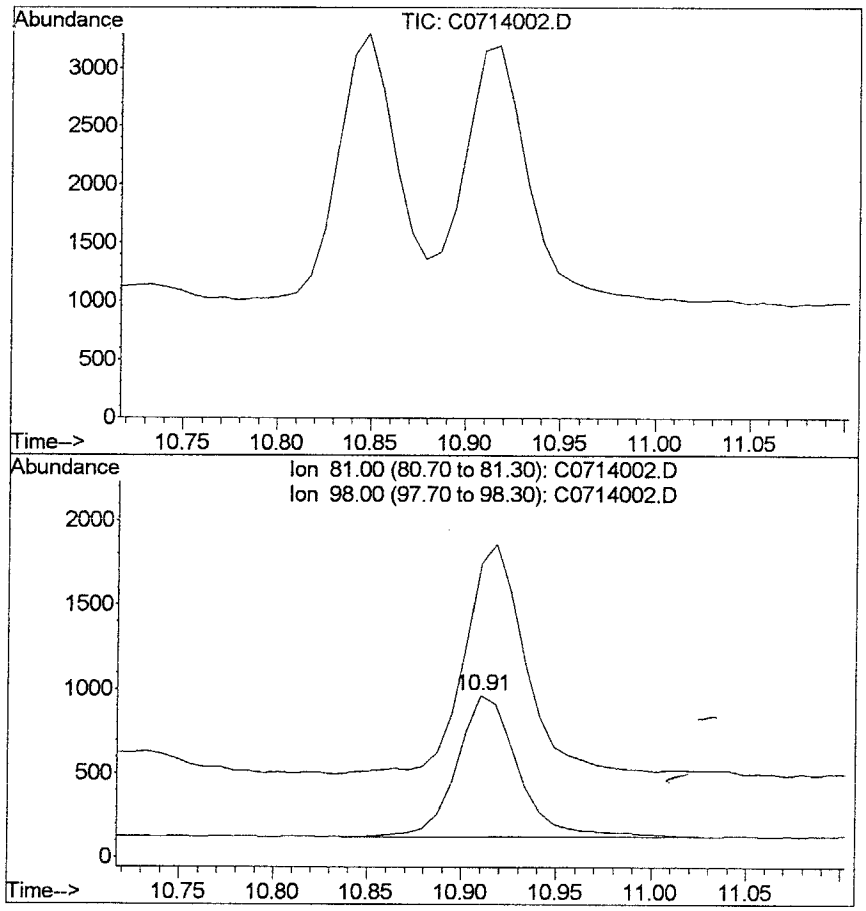
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714002.D Vial: 3
Acq On : 14 Jul 2007 7:52 am Operator: DF/AI
Sample : 7G12056-BS1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 8:29 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

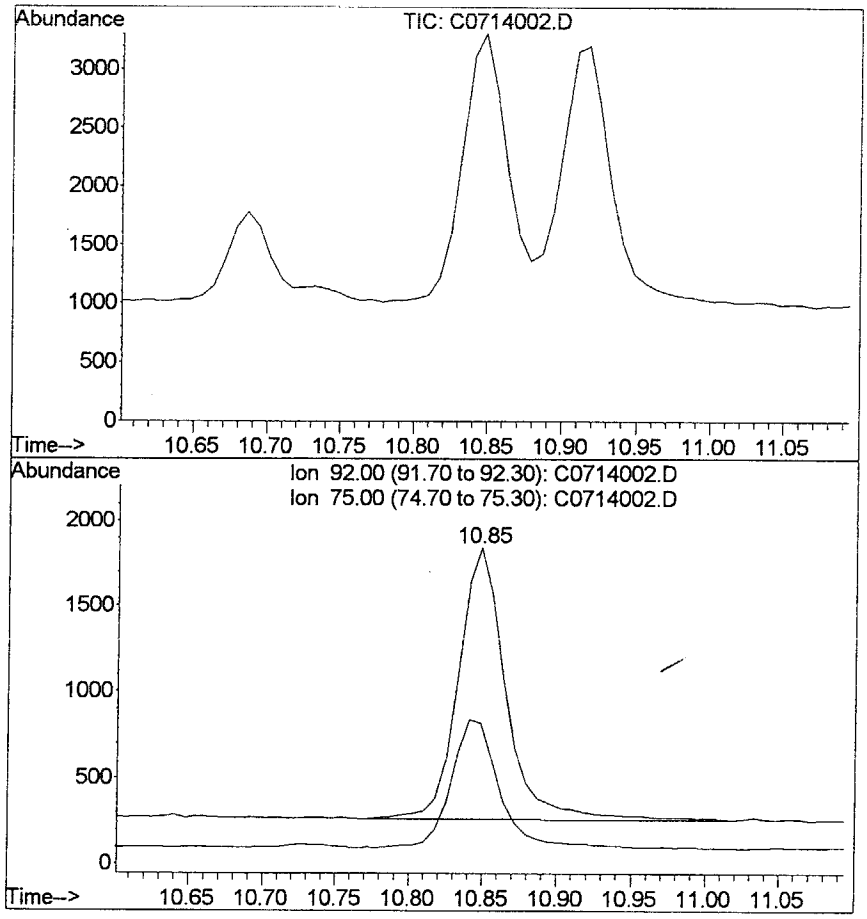




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion: 81 Resp: 1909

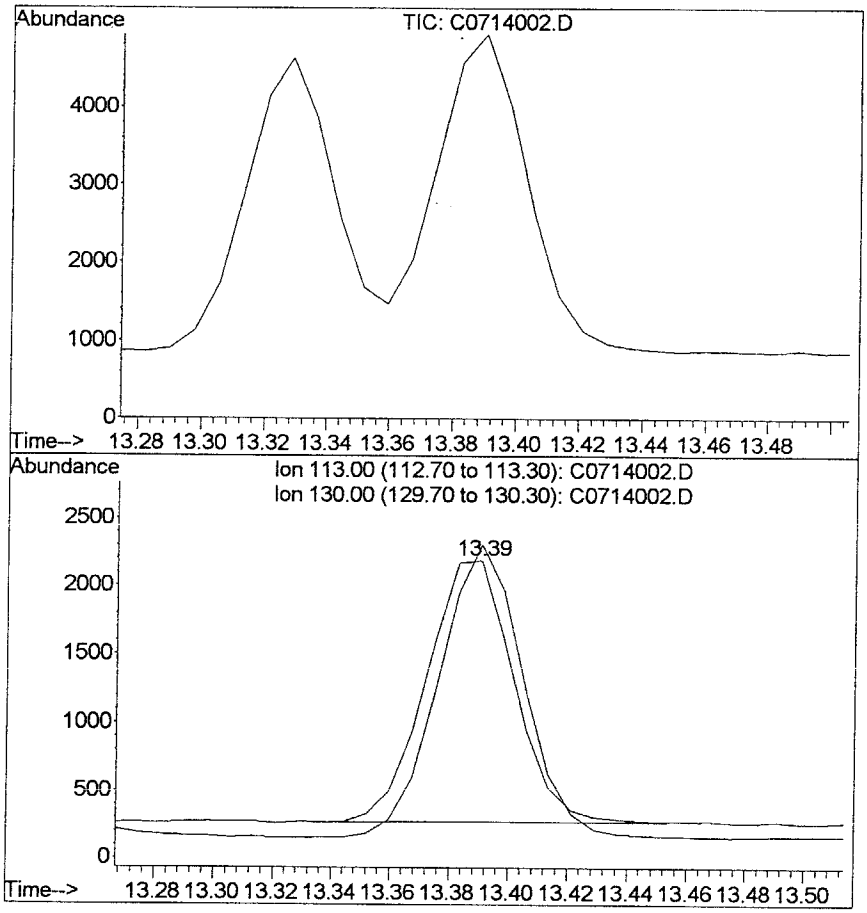
Ion	Ratio	Lower	Upper
81	100		
98	149.8	144.1	224.1



#2
NDMA
Concen: 9.33 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion: 92 Resp: 3566

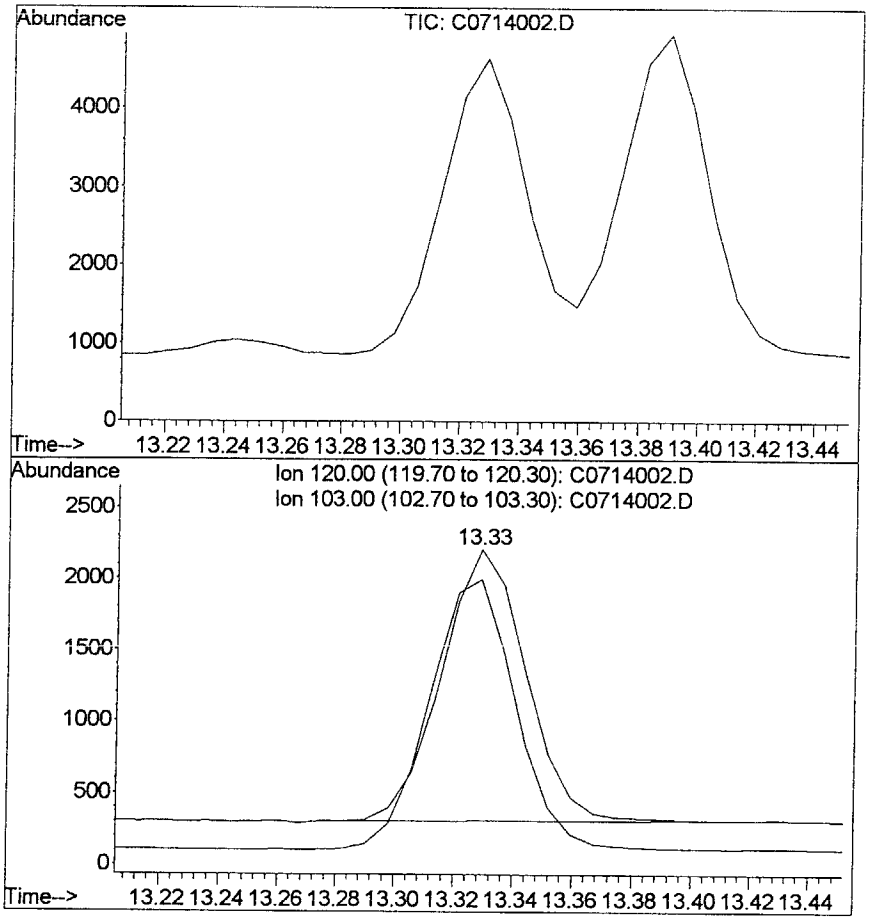
Ion	Ratio	Lower	Upper
92	100		
75	47.1	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion:113 Resp: 3937

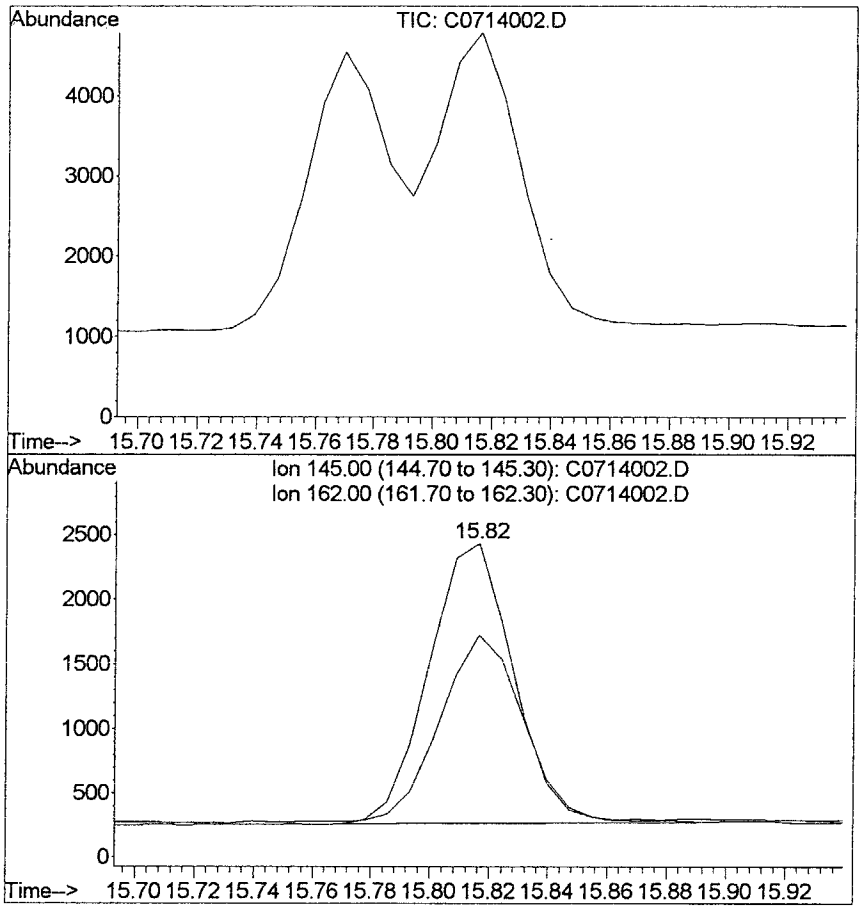
Ion	Ratio	Lower	Upper
113	100		
130	108.3	67.1	137.1



#4
NDEA
Concen: 8.88 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion:120 Resp: 3748

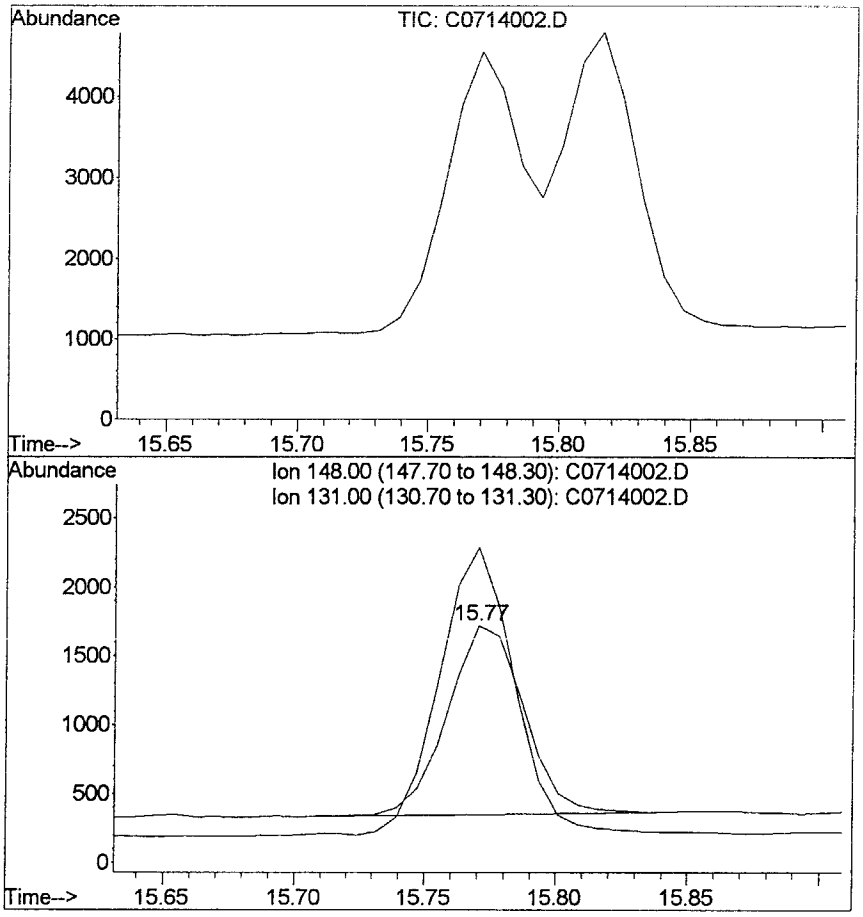
Ion	Ratio	Lower	Upper
120	100		
103	101.4	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion:145 Resp: 4289

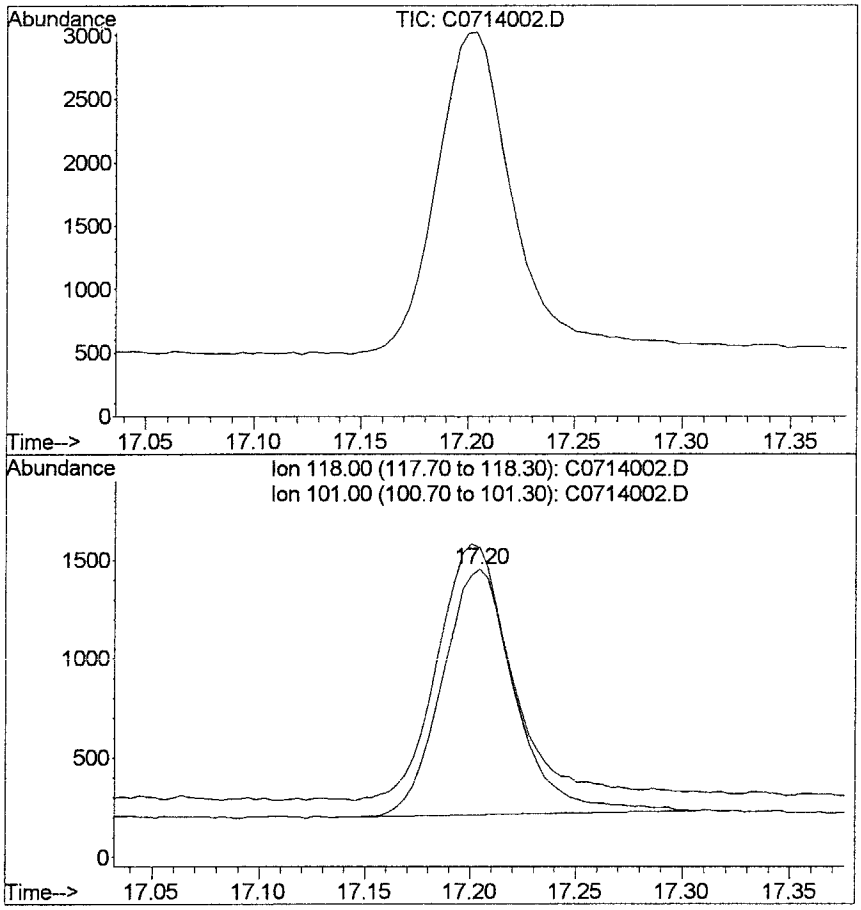
Ion	Ratio	Lower	Upper
145	100		
162	64.0	22.4	102.4



#6
NDPA
Concen: 8.06 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion:148 Resp: 2780

Ion	Ratio	Lower	Upper
148	100		
131	148.7	99.8	207.2



#7
NPYR
Concen: 8.71 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: C0714002.D
Acq: 14 Jul 2007 7:52 am

Tgt Ion:118 Resp: 2989

Ion	Ratio	Lower	Upper
118	100		
101	101.3	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714003.D
Acq On : 14 Jul 2007 8:16 am
Sample : 7G12056-BS2
Misc : WATER 1L/1ml ----- Batch 7G12056
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 8:36 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 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	1698	10.00 PPB	0.00
3) NDEA-D10	13.39	113	3891	10.00 PPB	0.02
5) NDPA-D14	15.82	145	4341	10.00 PPB	0.00

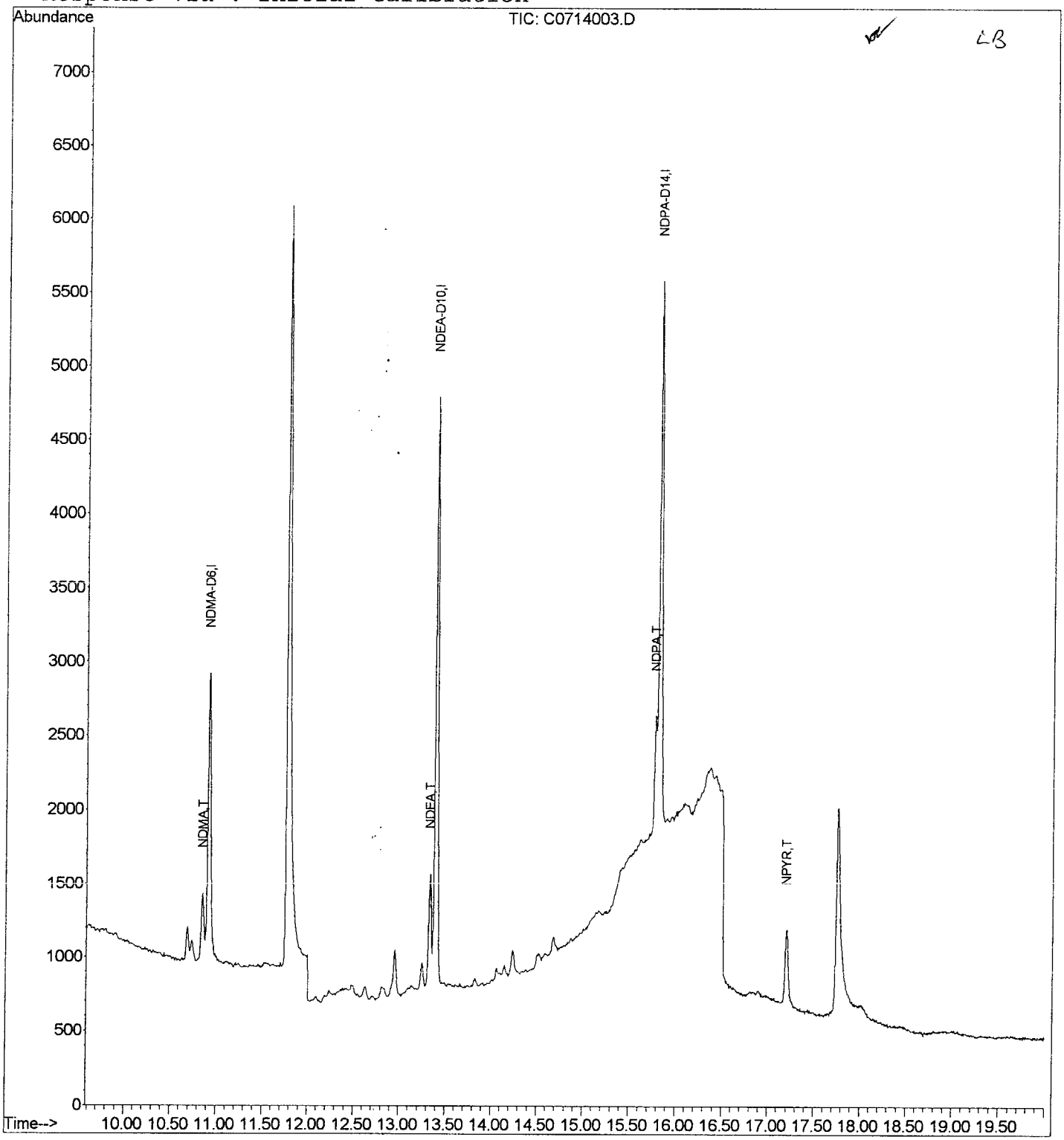
Target Compounds					Qvalue
2) NDMA	10.85	92	664	1.95 PPB	95
4) NDEA	13.33	120	795	1.91 PPB	98
6) NDPA	15.77	148	737	2.11 PPB	75
7) NPYR	17.20	118	605	1.74 PPB	96

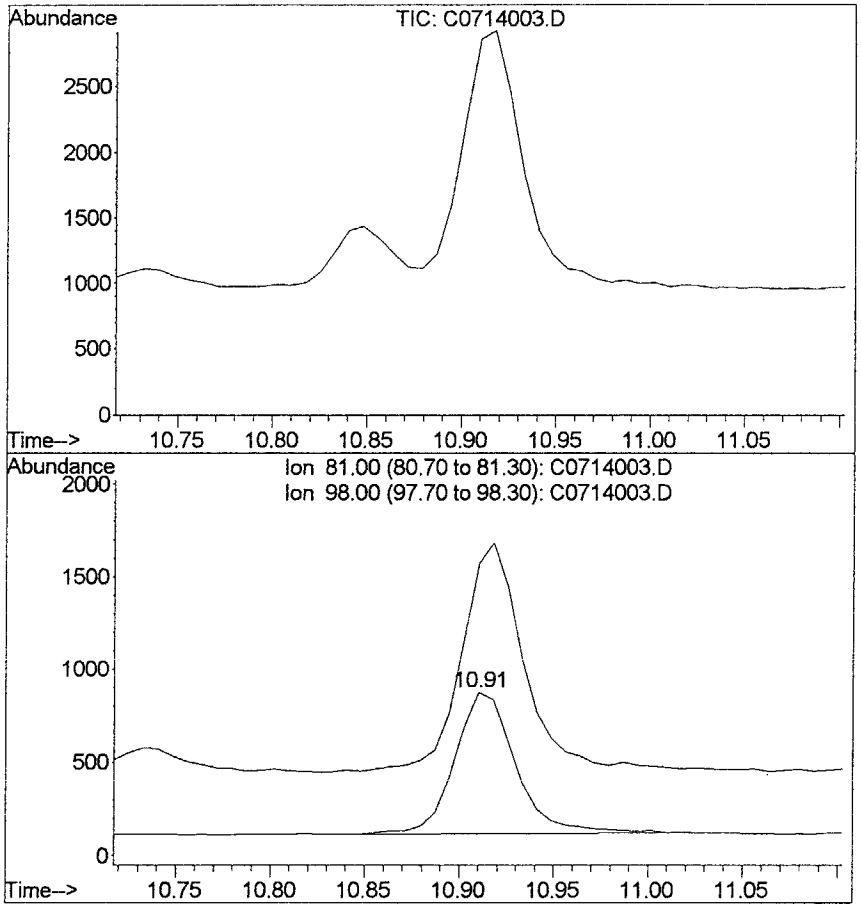
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714003.D Vial: 4
Acq On : 14 Jul 2007 8:16 am Operator: DF/AI
Sample : 7G12056-BS2 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 8:36 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

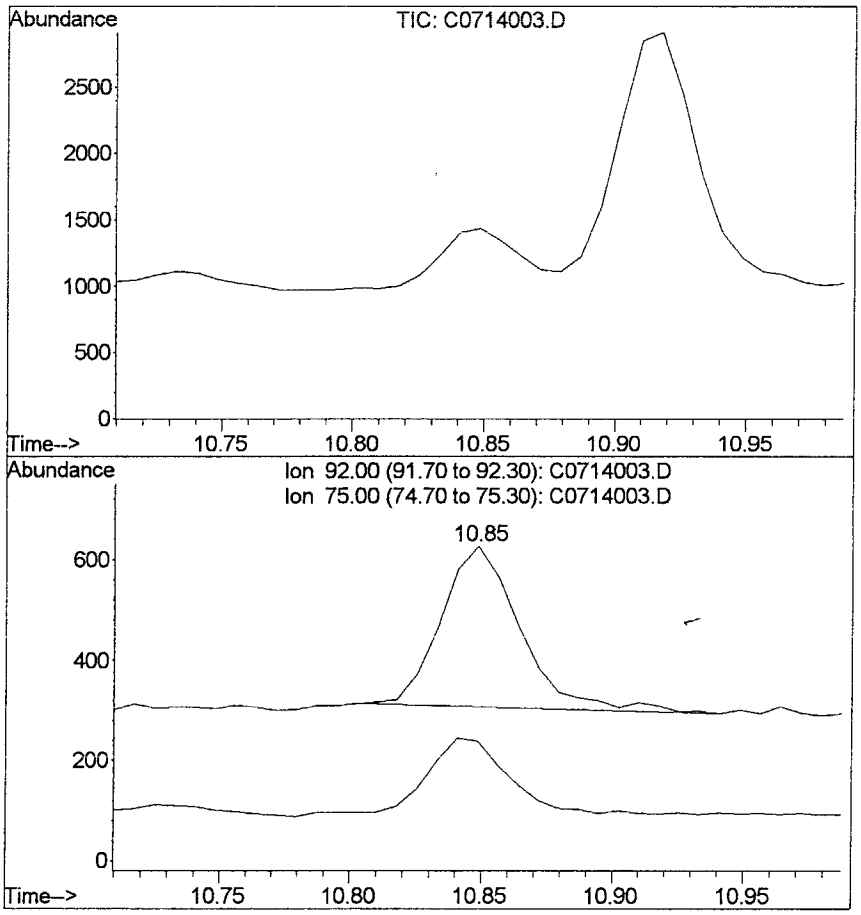




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion: 81 Resp: 1698

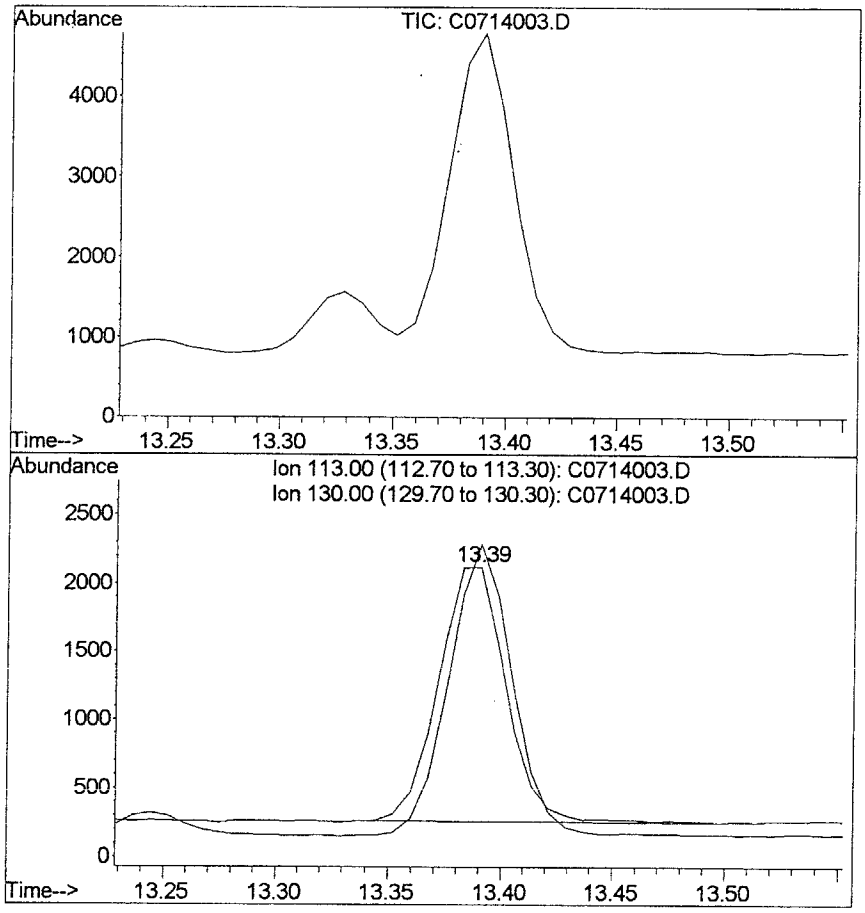
Ion	Ratio	Lower	Upper
81	100		
98	155.0	144.1	224.1



#2
NDMA
Concen: 1.95 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion: 92 Resp: 664

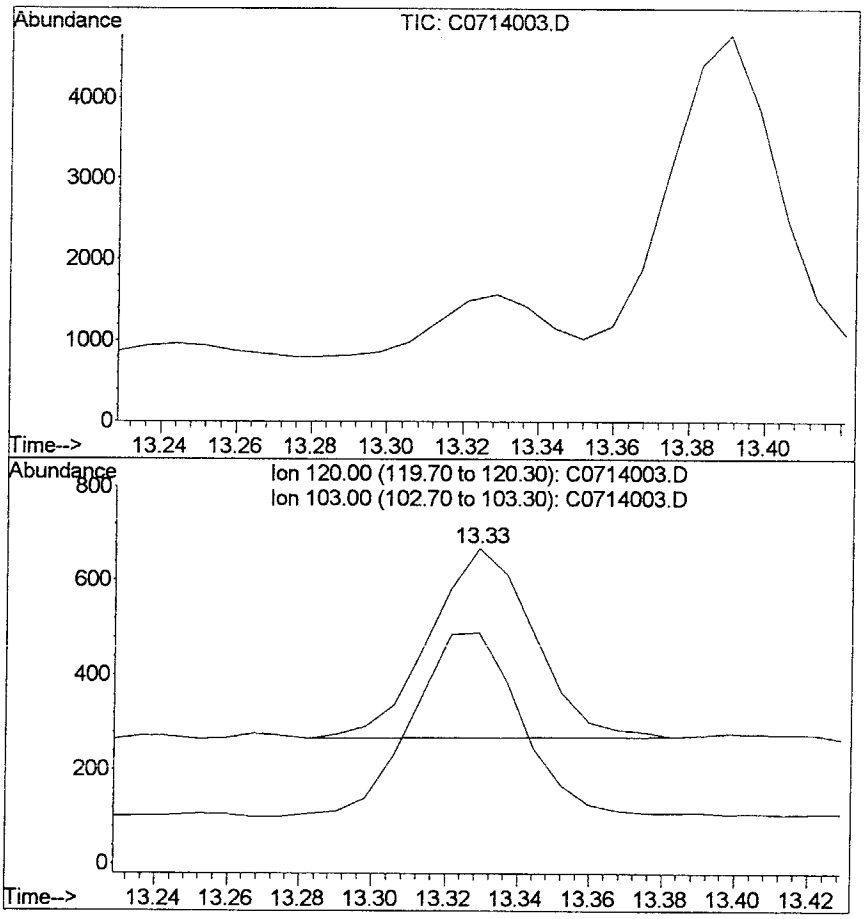
Ion	Ratio	Lower	Upper
92	100		
75	45.6	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion:113 Resp: 3891

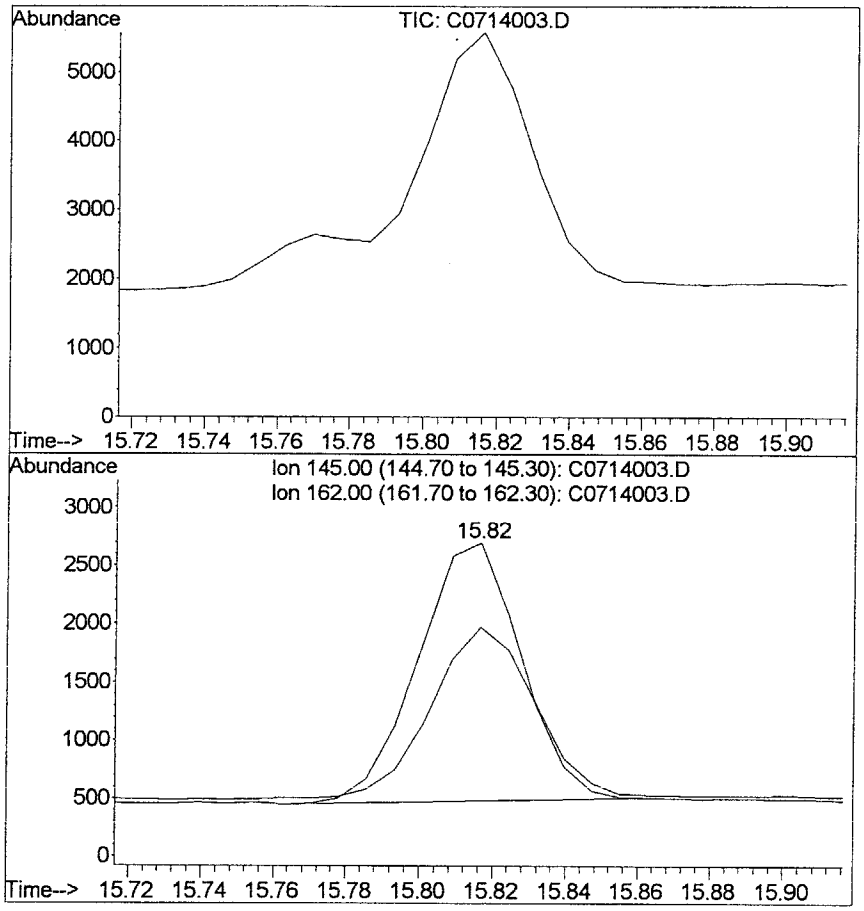
Ion	Ratio	Lower	Upper
113	100		
130	106.1	67.1	137.1



#4
NDEA
Concen: 1.91 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion:120 Resp: 795

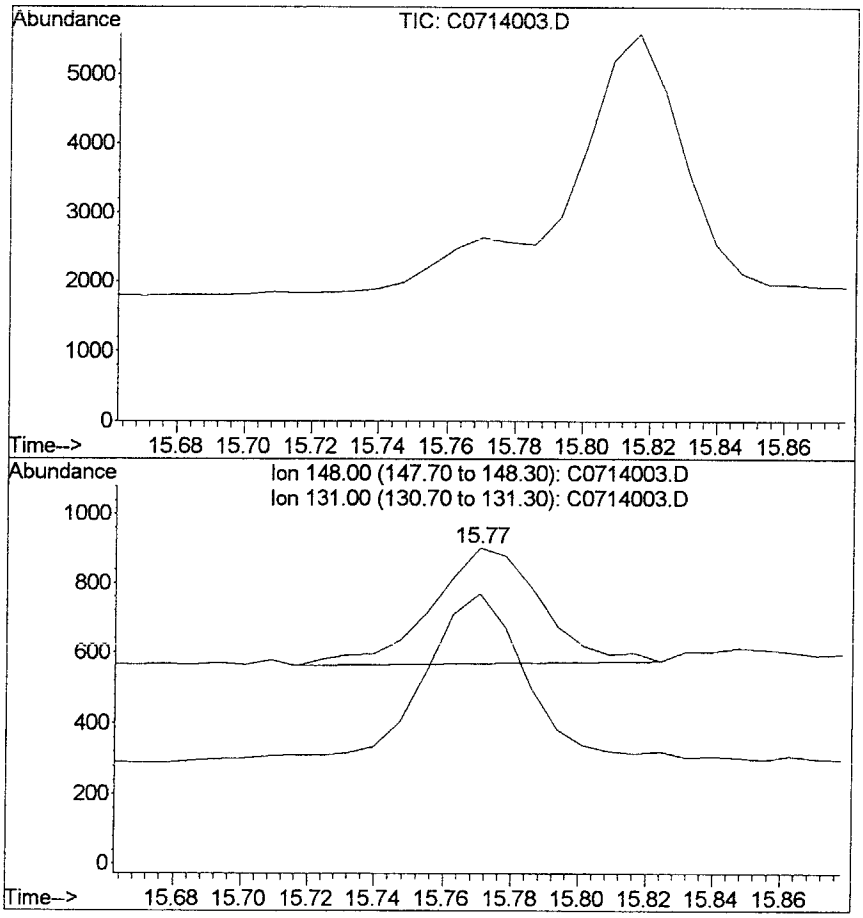
Ion	Ratio	Lower	Upper
120	100		
103	102.5	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion:145 Resp: 4341

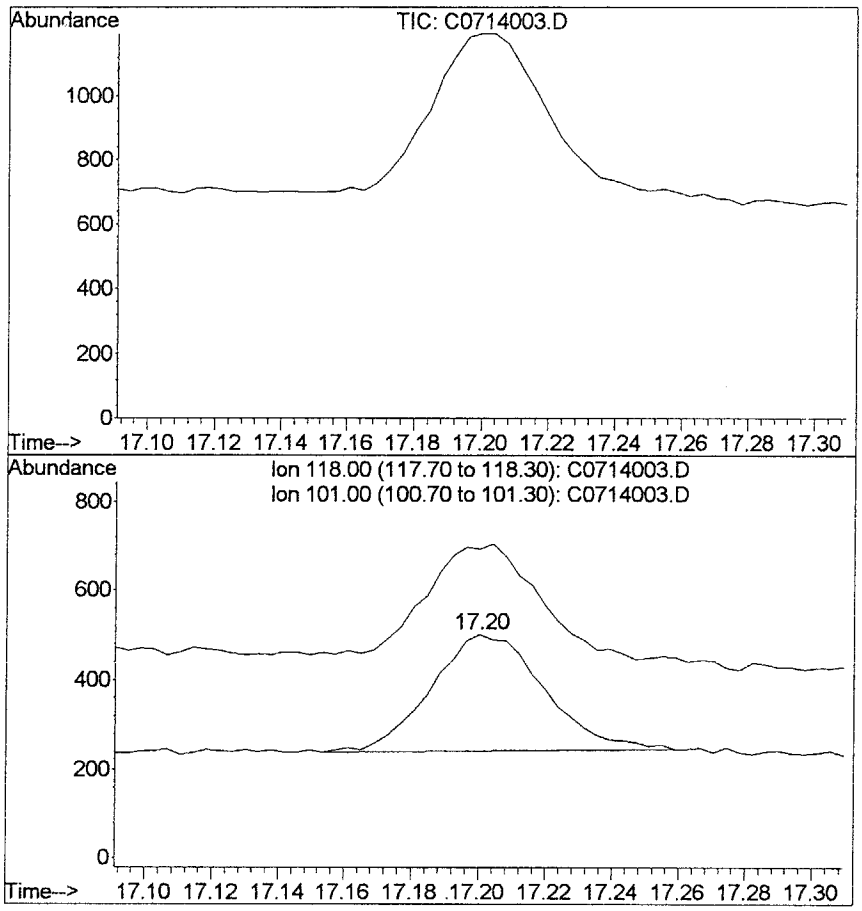
Ion	Ratio	Lower	Upper
145	100		
162	65.9	22.4	102.4



#6
NDPA
Concen: 2.11 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion:148 Resp: 737

Ion	Ratio	Lower	Upper
148	100		
131	121.8	99.8	207.2



#7
NPYR
Concen: 1.74 PPB
RT: 17.20 min Scan# 1077
Delta R.T. 0.00 min
Lab File: C0714003.D
Acq: 14 Jul 2007 8:16 am

Tgt Ion:118 Resp: 605

Ion	Ratio	Lower	Upper
118	100		
101	92.6	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714004.D Vial: 5
Acq On : 14 Jul 2007 8:39 am Operator: DF/AI
Sample : 7G12056-BSD1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 9:04 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

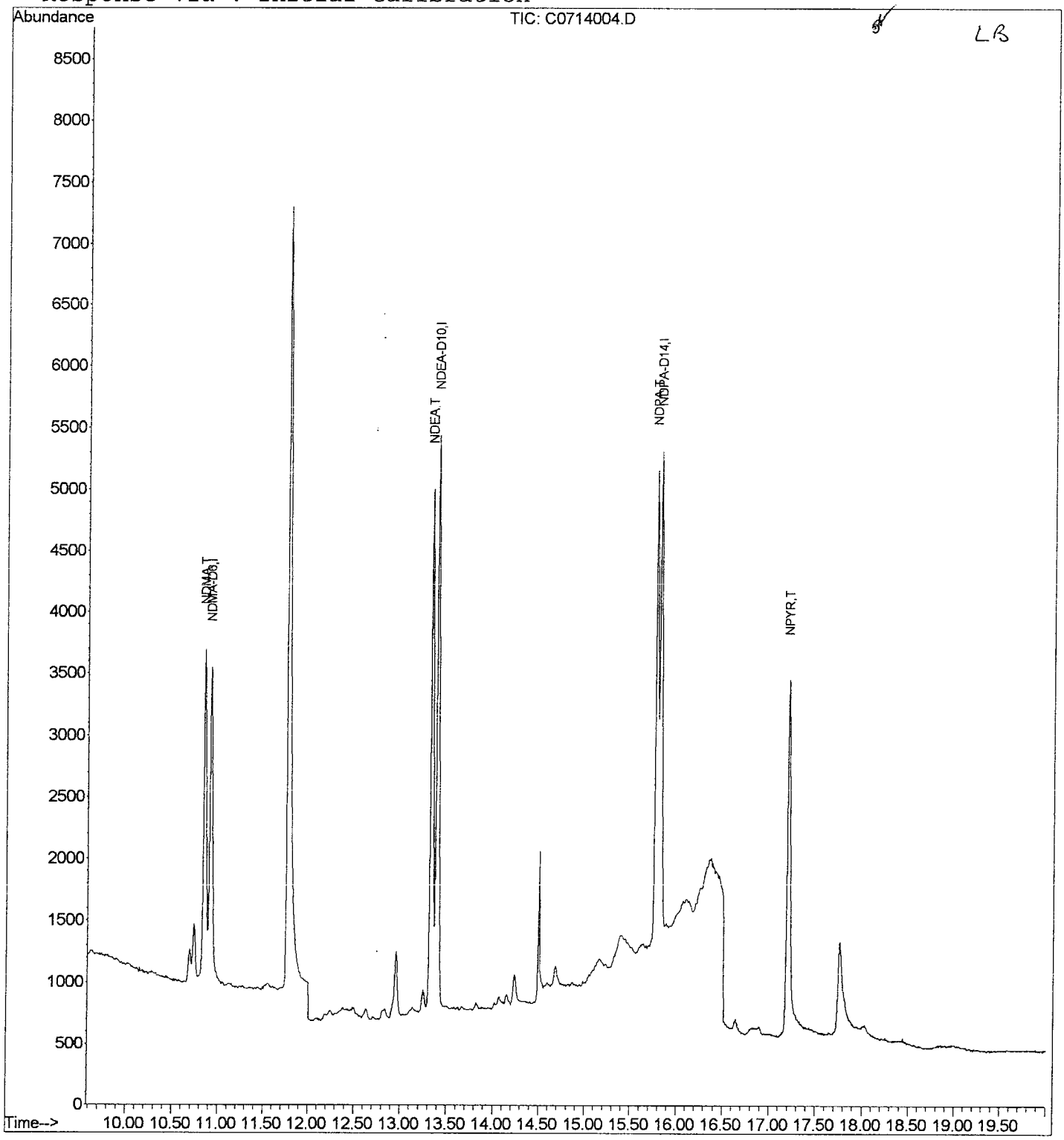
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	2183	10.00 PPB	0.00
3) NDEA-D10	13.39	113	4423	10.00 PPB	0.02
5) NDPA-D14	15.82	145	4470	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	4158	9.52 PPB	97
4) NDEA	13.33	120	4213	8.89 PPB	100
6) NDPA	15.77	148	2990	8.32 PPB	98
7) NPYR	17.20	118	3330	9.31 PPB	91

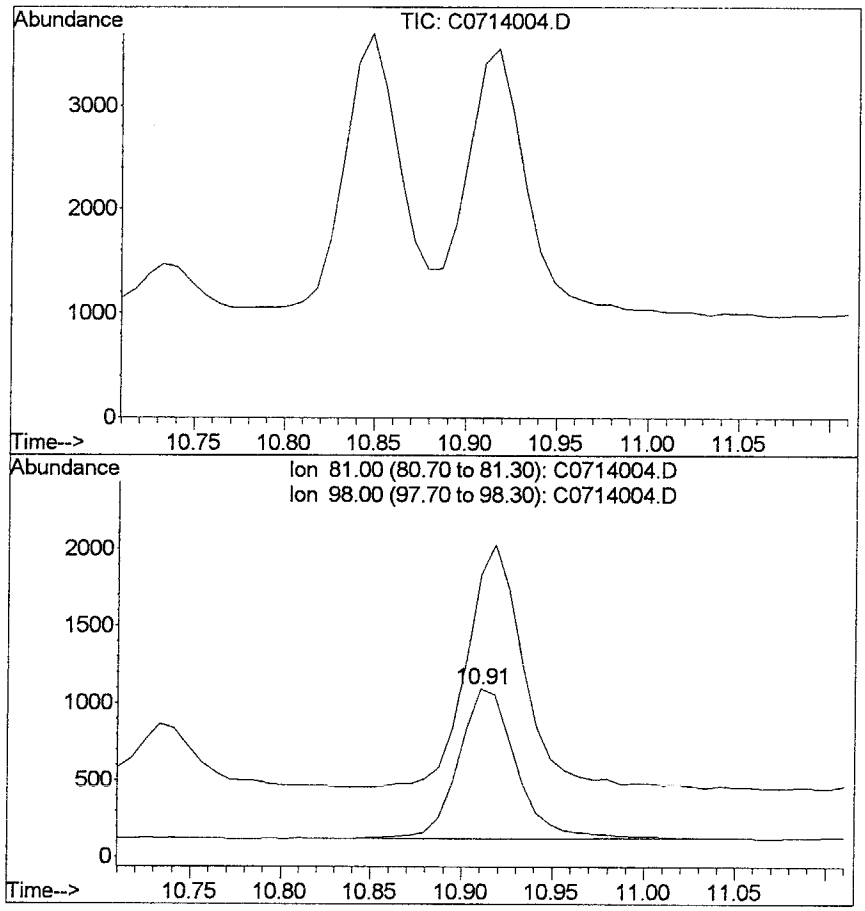
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714004.D Vial: 5
Acq On : 14 Jul 2007 8:39 am Operator: DF/AI
Sample : 7G12056-BSD1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 9:04 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

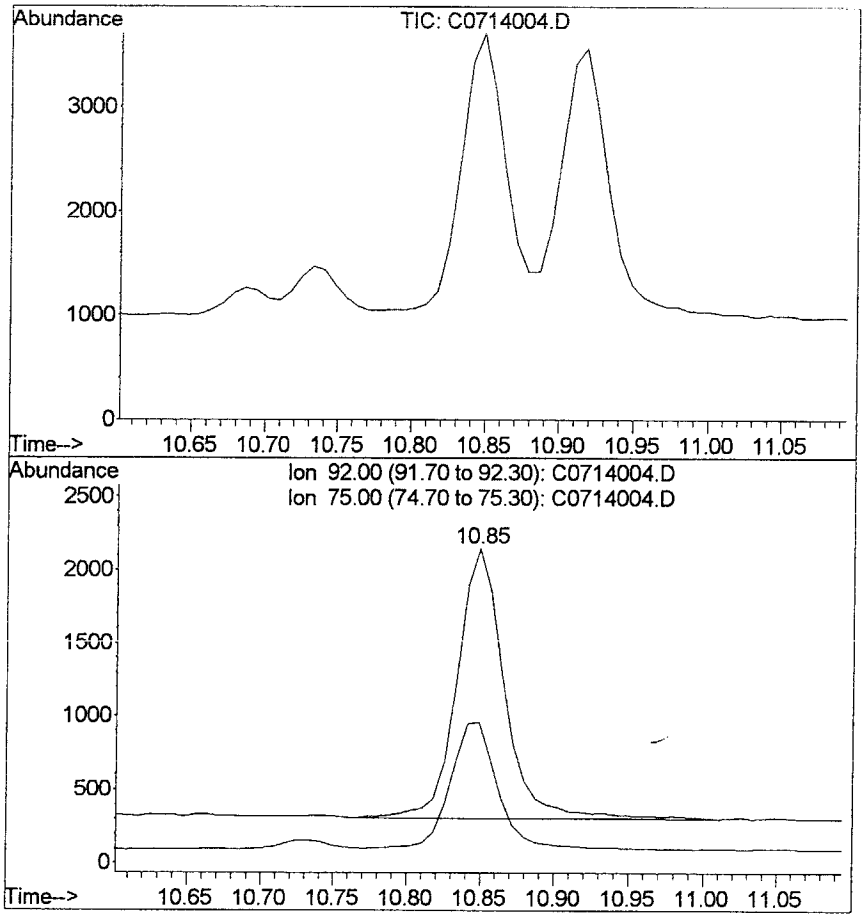




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion: 81 Resp: 2183

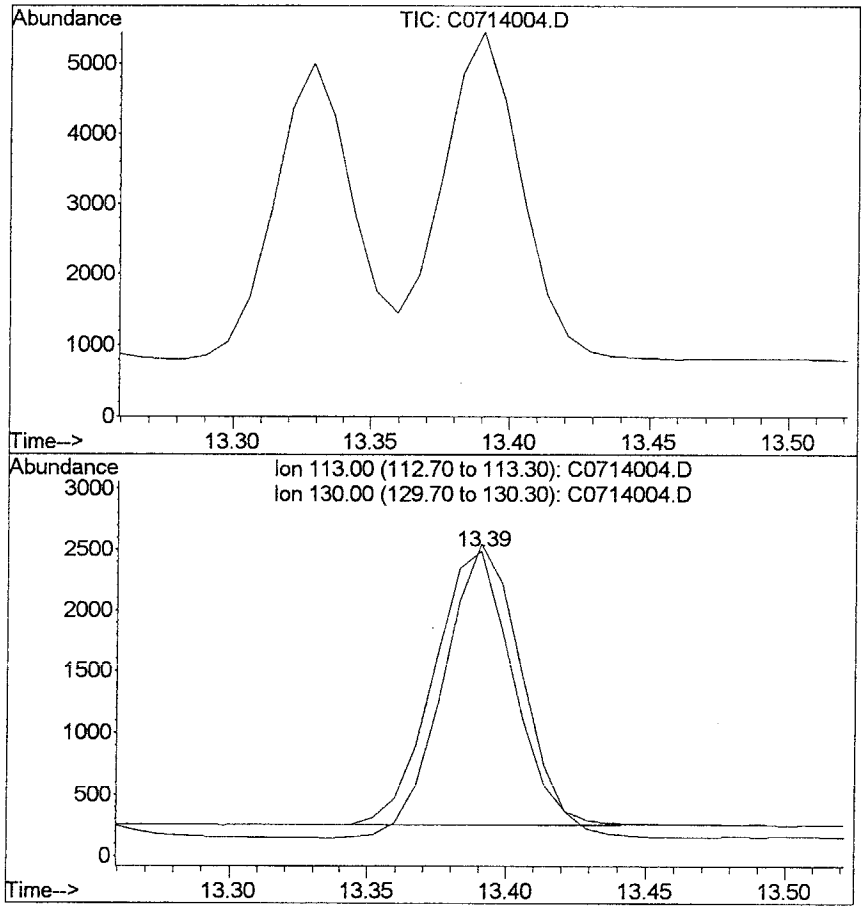
Ion	Ratio	Lower	Upper
81	100		
98	151.1	144.1	224.1



#2
NDMA
Concen: 9.52 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion: 92 Resp: 4158

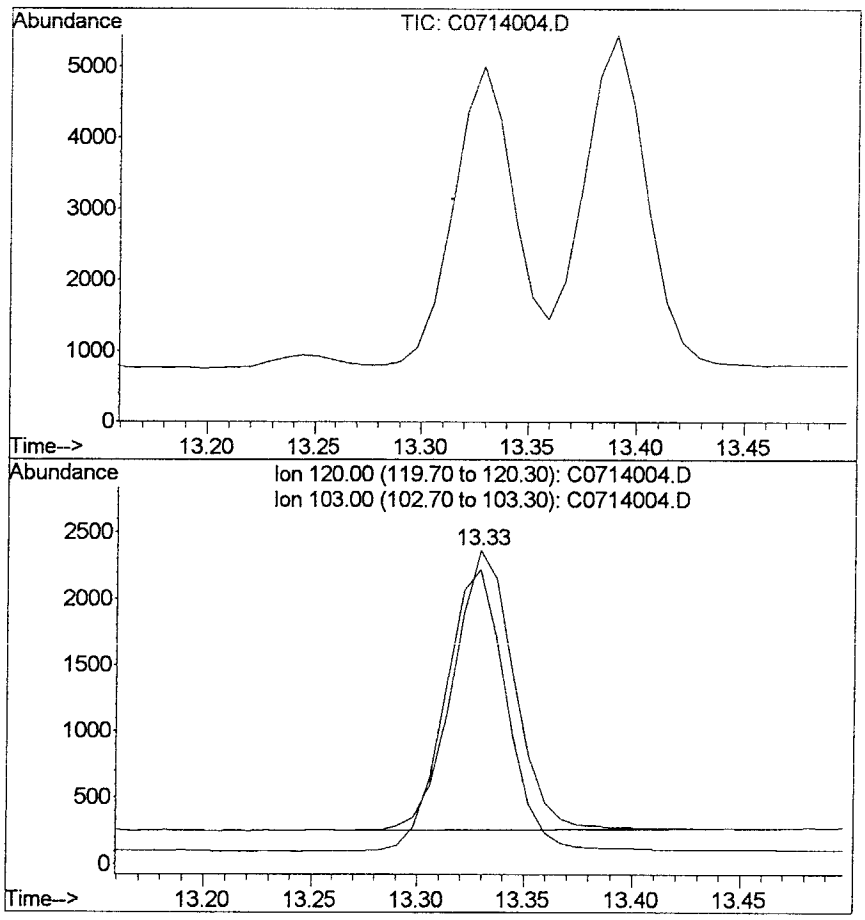
Ion	Ratio	Lower	Upper
92	100		
75	46.6	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion:113 Resp: 4423

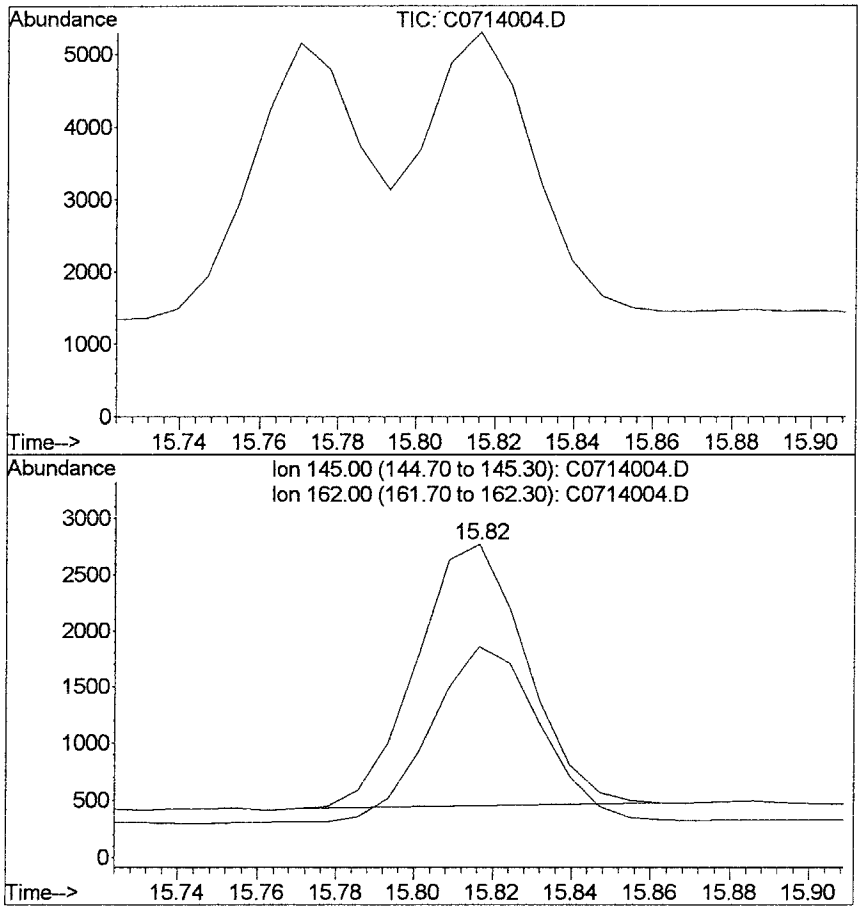
Ion	Ratio	Lower	Upper
113	100		
130	106.3	67.1	137.1



#4
NDEA
Concen: 8.89 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion:120 Resp: 4213

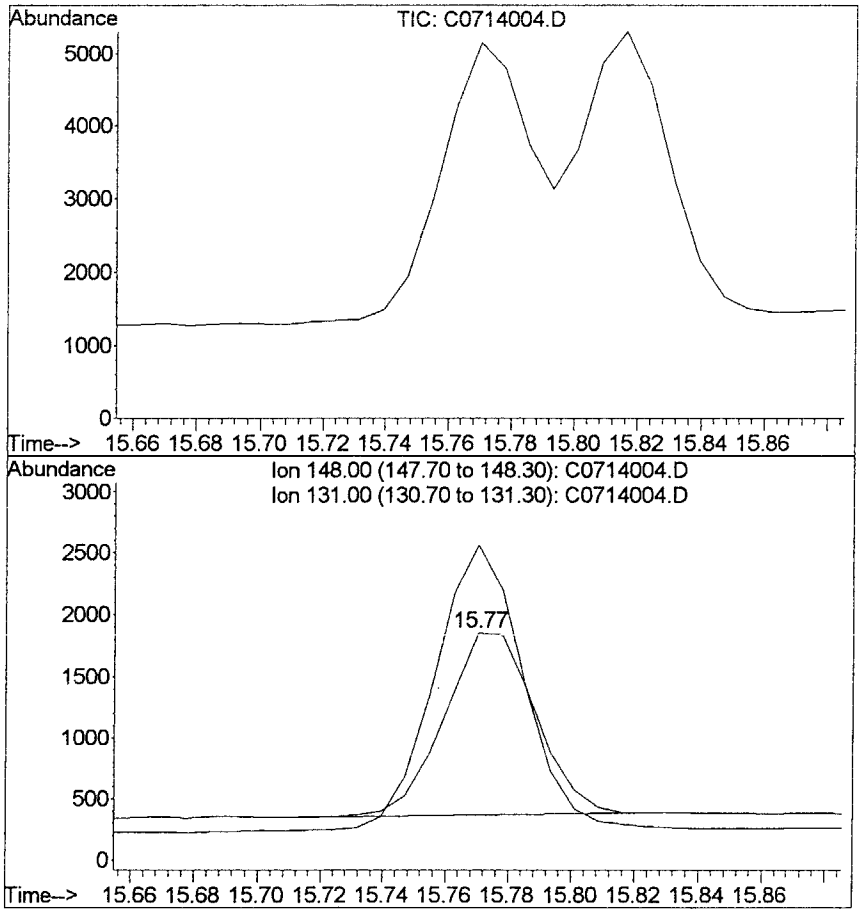
Ion	Ratio	Lower	Upper
120	100		
103	100.6	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion:145 Resp: 4470

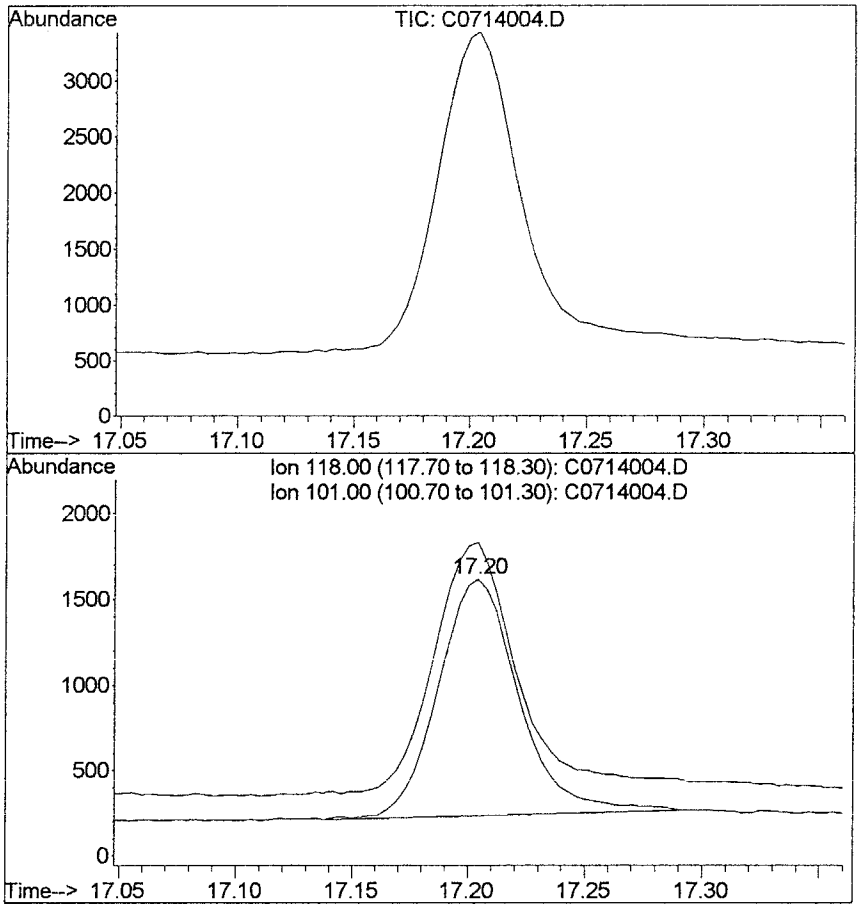
Ion	Ratio	Lower	Upper
145	100		
162	65.7	22.4	102.4



#6
NDPA
Concen: 8.32 PPB
RT: 15.77 min Scan# 804
Delta R.T. 0.00 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion:148 Resp: 2990

Ion	Ratio	Lower	Upper
148	100		
131	150.3	99.8	207.2



#7
NPYR
Concen: 9.31 PPB
RT: 17.20 min Scan# 1078
Delta R.T. 0.01 min
Lab File: C0714004.D
Acq: 14 Jul 2007 8:39 am

Tgt Ion:118 Resp: 3330

Ion	Ratio	Lower	Upper
118	100		
101	105.0	62.6	130.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714005.D Vial: 6
Acq On : 14 Jul 2007 9:03 am Operator: DF/AI
Sample : IQG0607-01RE1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 9:24 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

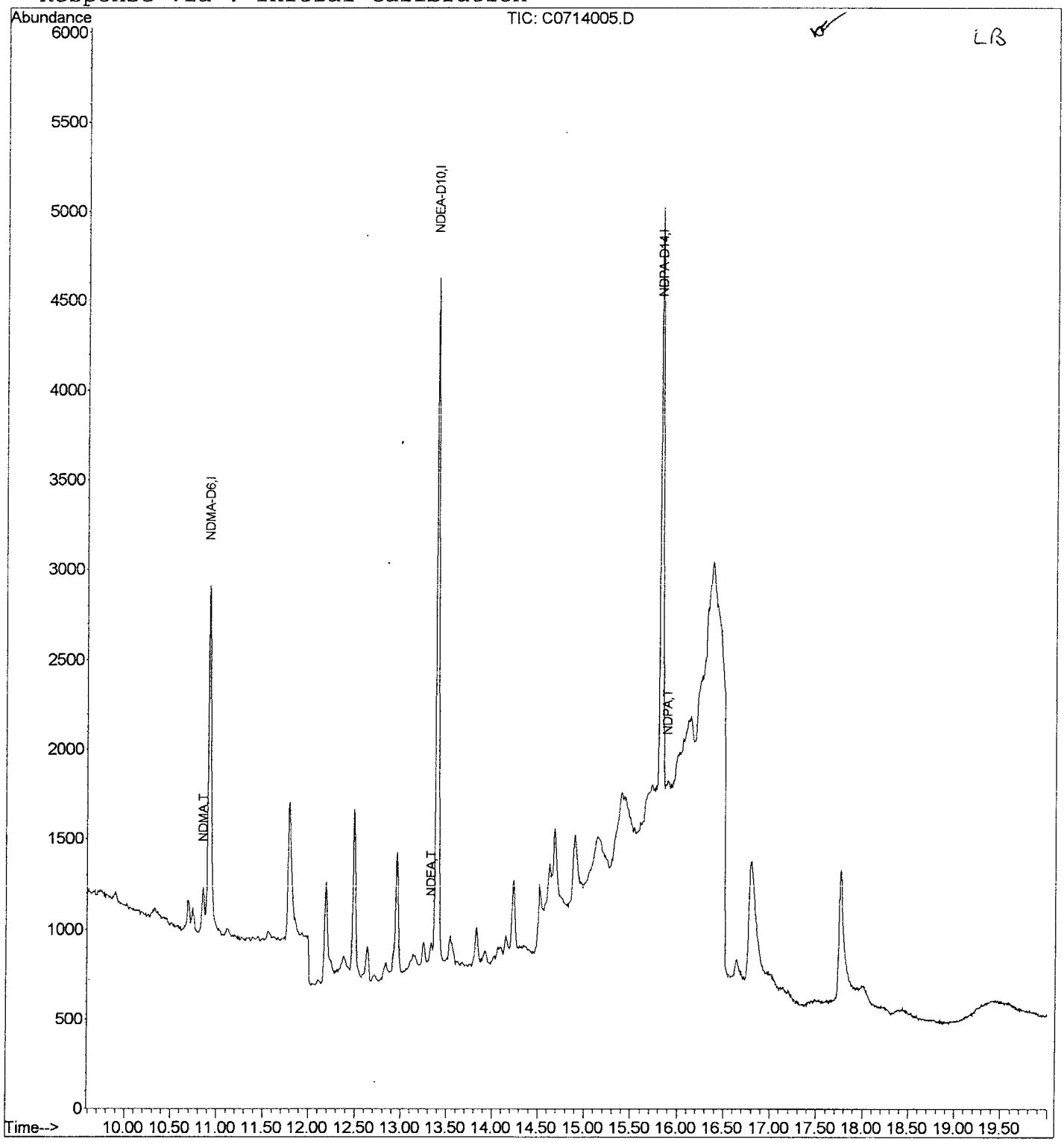
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) NDMA-D6	10.91	81	1698	10.00 PPB	0.00
3) NDEA-D10	13.39	113	3726	10.00 PPB	0.02
5) NDPA-D14	15.82	145	3841	10.00 PPB	0.00
Target Compounds					**Qvalue**
2) NDMA	10.85	92	362	1.07 PPB	96
4) NDEA	13.33	120	107	0.27 PPB	86
6) NDPA	15.89	148	23	0.07 PPB	67
7) NPYR	0.00	118	0	N.D.	

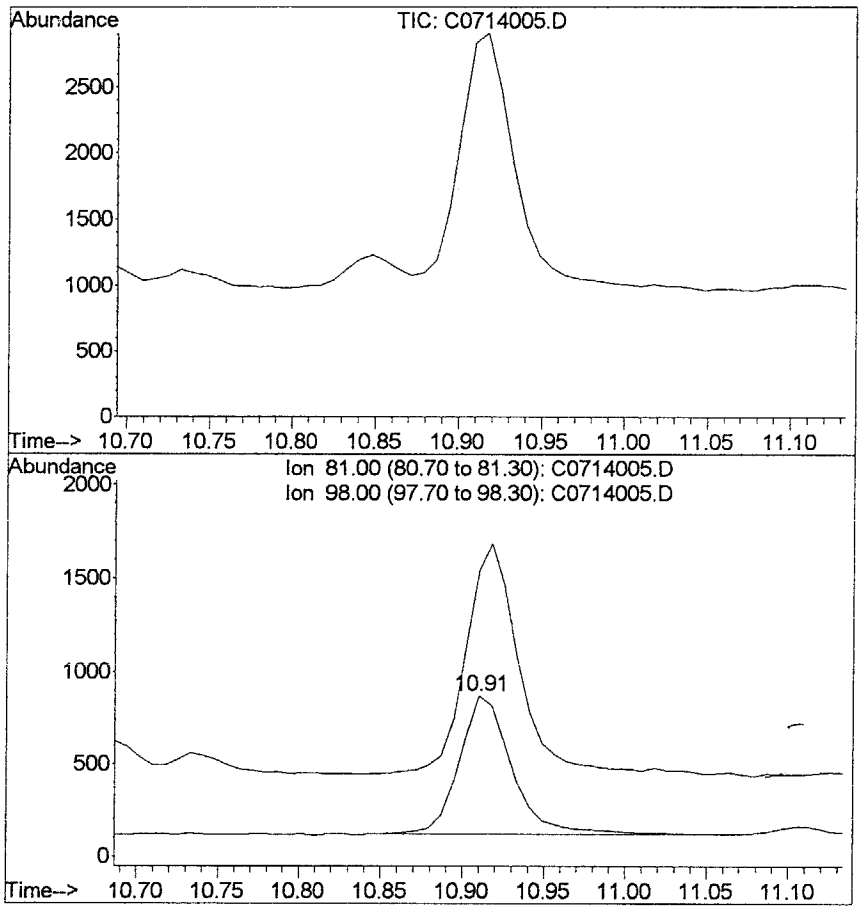
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\07JUL14\C0714005.D Vial: 6
Acq On : 14 Jul 2007 9:03 am Operator: DF/AI
Sample : IQG0607-01RE1 Inst : gcms37
Misc : WATER 1L/1ml ----- Batch 7G12056 Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jul 14 9:24 2007 Quant Results File: C7F14NW.RES

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

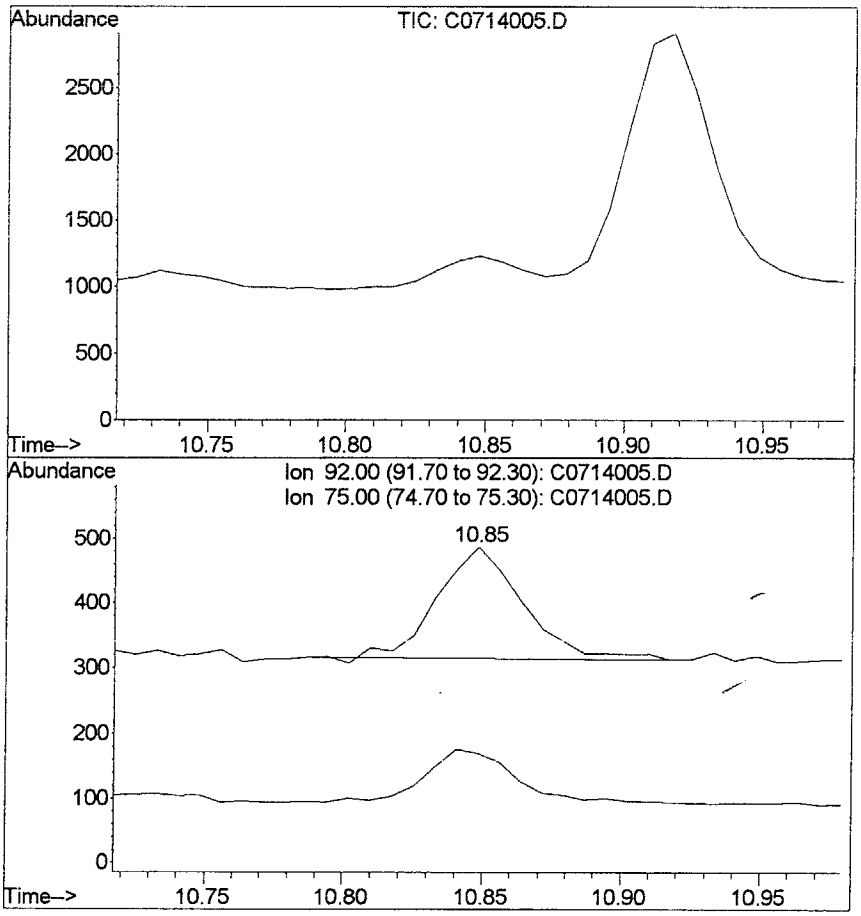




#1
NDMA-D6
Concen: 10.00 PPB
RT: 10.91 min Scan# 173
Delta R.T. 0.01 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion: 81 Resp: 1698

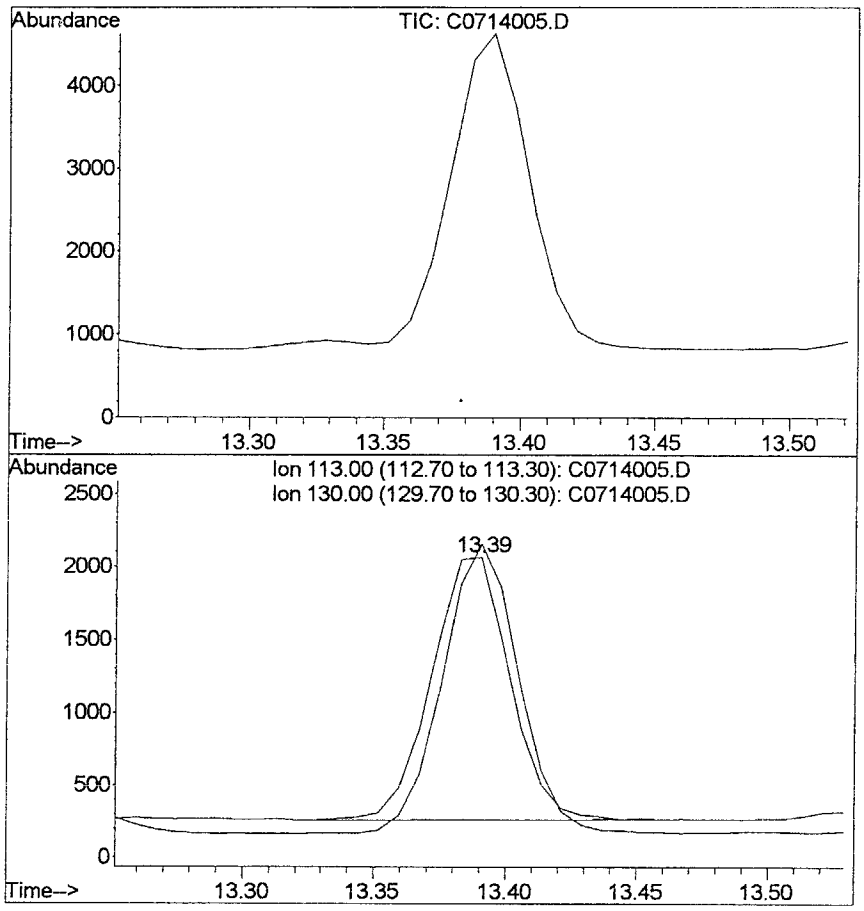
Ion	Ratio	Lower	Upper
81	100		
98	156.5	144.1	224.1



#2
NDMA
Concen: 1.07 PPB
RT: 10.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion: 92 Resp: 362

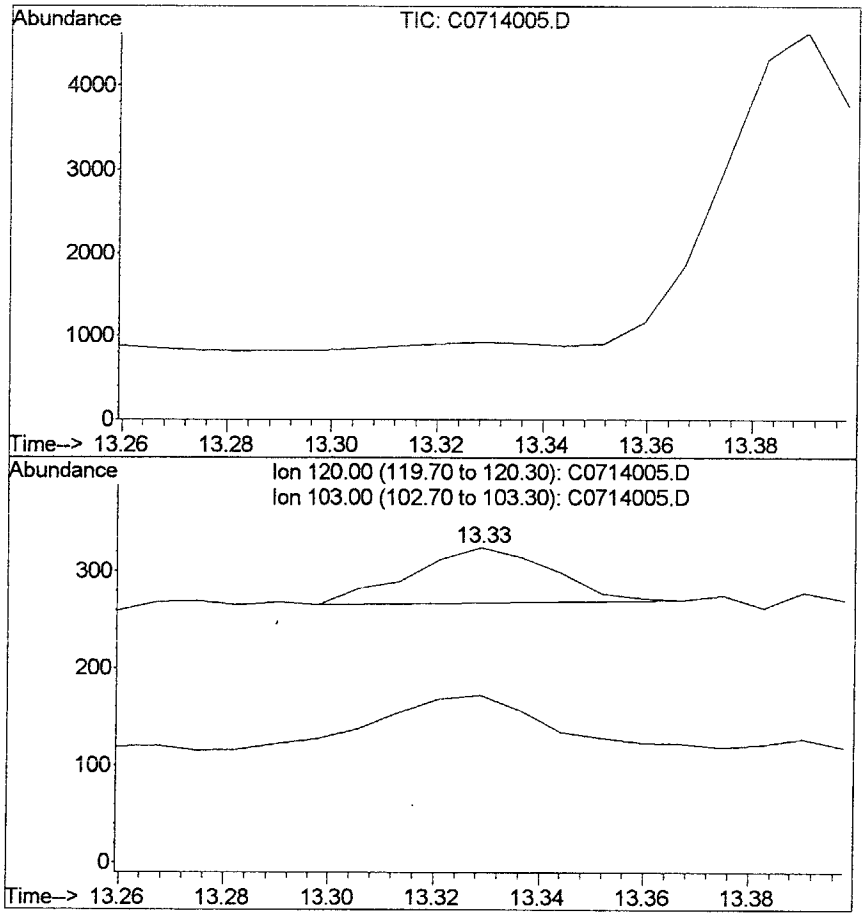
Ion	Ratio	Lower	Upper
92	100		
75	51.4	31.8	66.0



#3
NDEA-D10
Concen: 10.00 PPB
RT: 13.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion:113 Resp: 3726

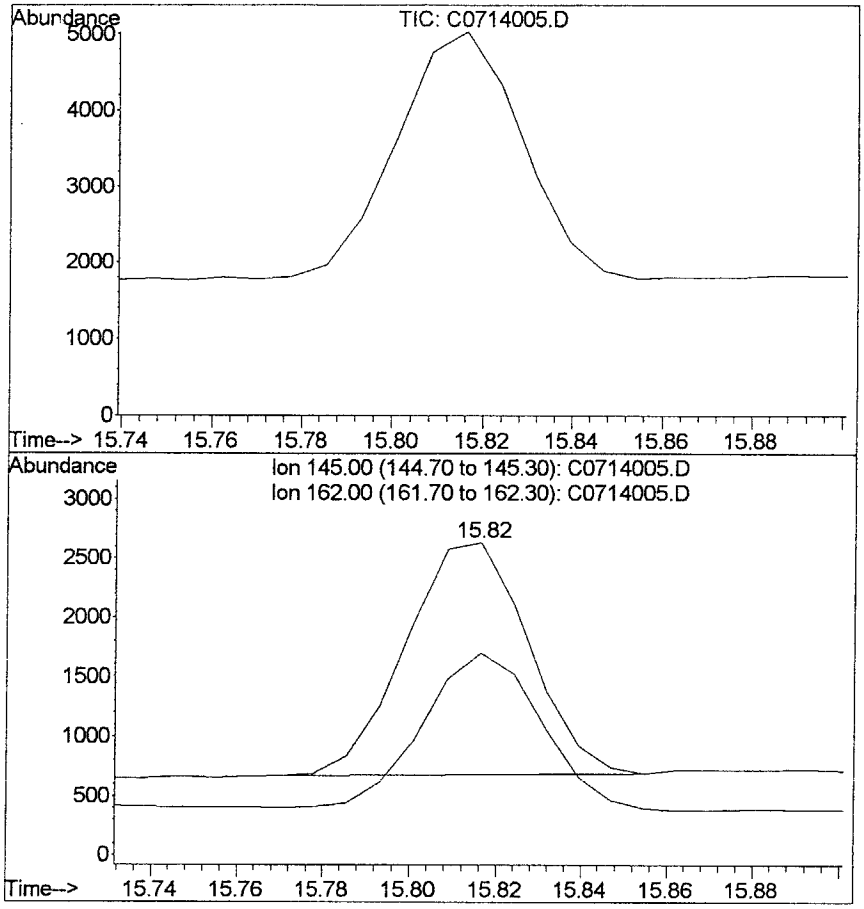
Ion	Ratio	Lower	Upper
113	100		
130	106.7	67.1	137.1



#4
NDEA
Concen: 0.27 PPB
RT: 13.33 min Scan# 487
Delta R.T. 0.01 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion:120 Resp: 107

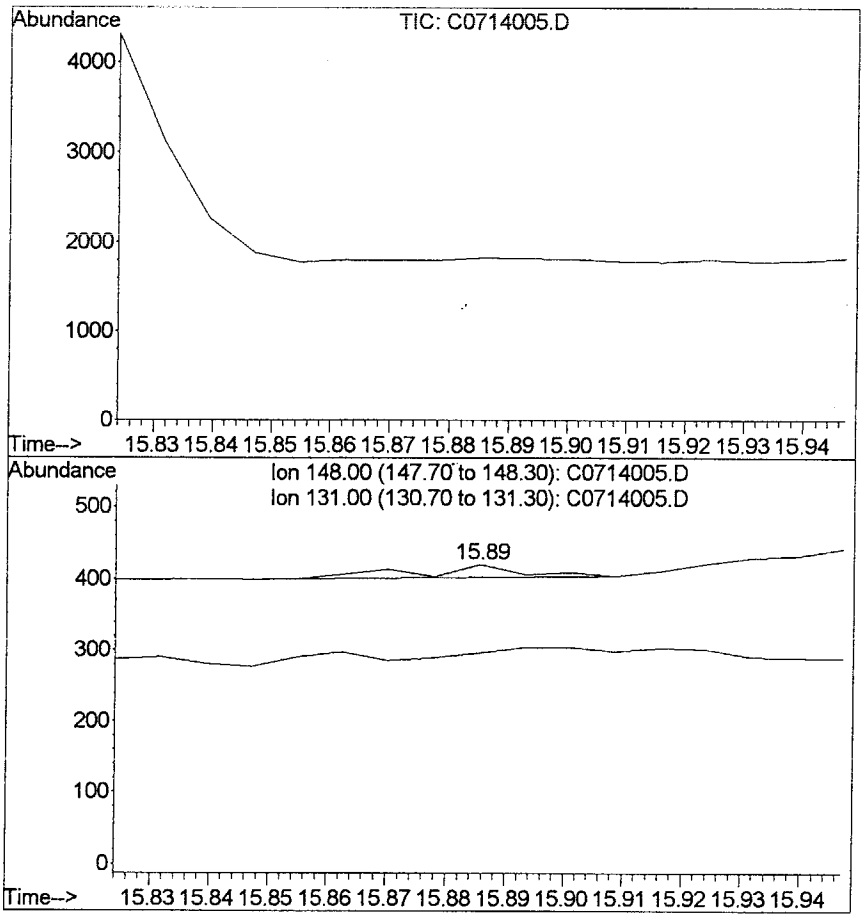
Ion	Ratio	Lower	Upper
120	100		
103	114.0	65.3	135.5



#5
NDPA-D14
Concen: 10.00 PPB
RT: 15.82 min Scan# 810
Delta R.T. 0.01 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion:145 Resp: 3841

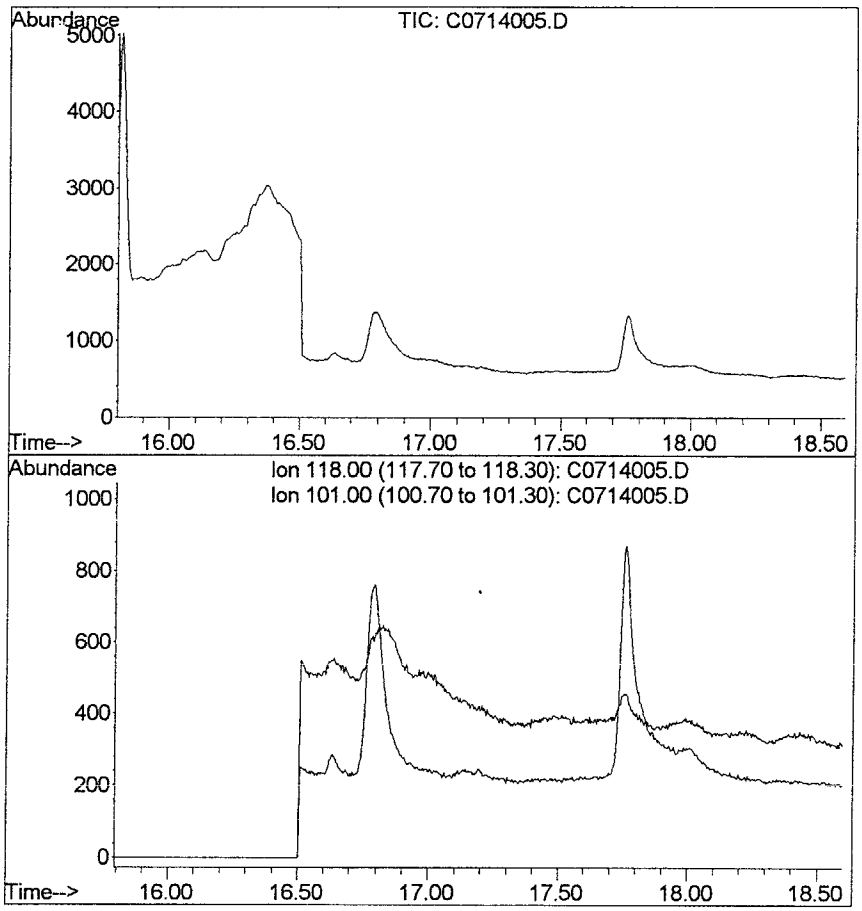
Ion	Ratio	Lower	Upper
145	100		
162	65.3	22.4	102.4



#6
NDPA
Concen: 0.07 PPB
RT: 15.89 min Scan# 819
Delta R.T. 0.12 min
Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion:148 Resp: 23

Ion	Ratio	Lower	Upper
148	100		
131	195.7	99.8	207.2



#7
NPYR
Concen: N.D.
Expected RT: 17.20 min

Lab File: C0714005.D
Acq: 14 Jul 2007 9:03 am

Tgt Ion: 118

Sig	Exp Ratio
118	100
101	96.3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
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

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

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

2nd Level Review: [illegible]
Date: 5/2/07
Original Calibration date: 4/19/07
Original Calibration file #: Chrg-d19MTH. Chrg'd19a.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: Chrg-d30.MTH
✓	✓	• Standard preparation: 7040301
✓	✓	• Supplier: ERA
✓	✓	• Standard Lot # : 10075.4
✓	✓	• 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

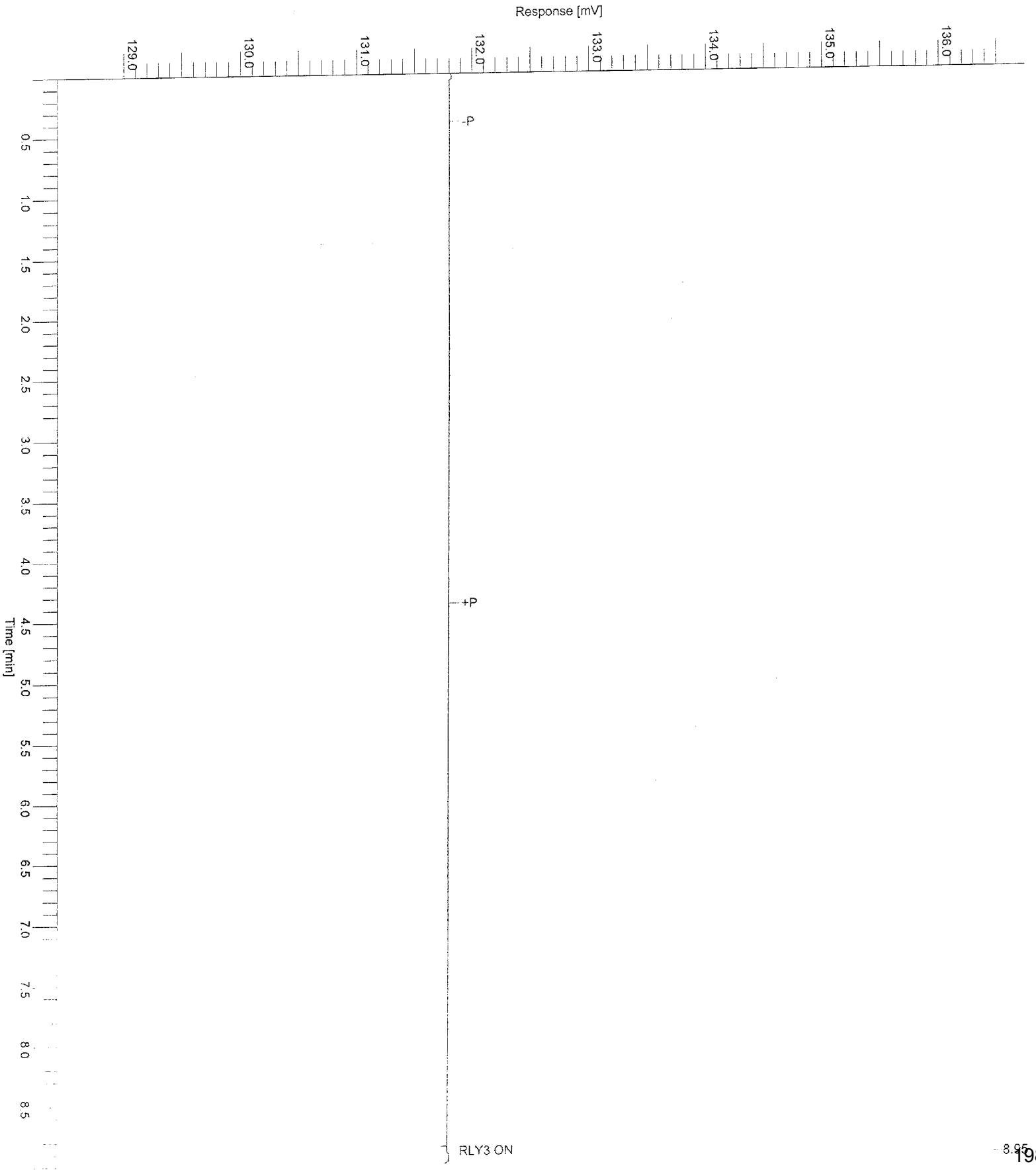
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.037	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

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

Chromatogram

Sample Name : 0ppb
Sample #: 7D28054

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



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	

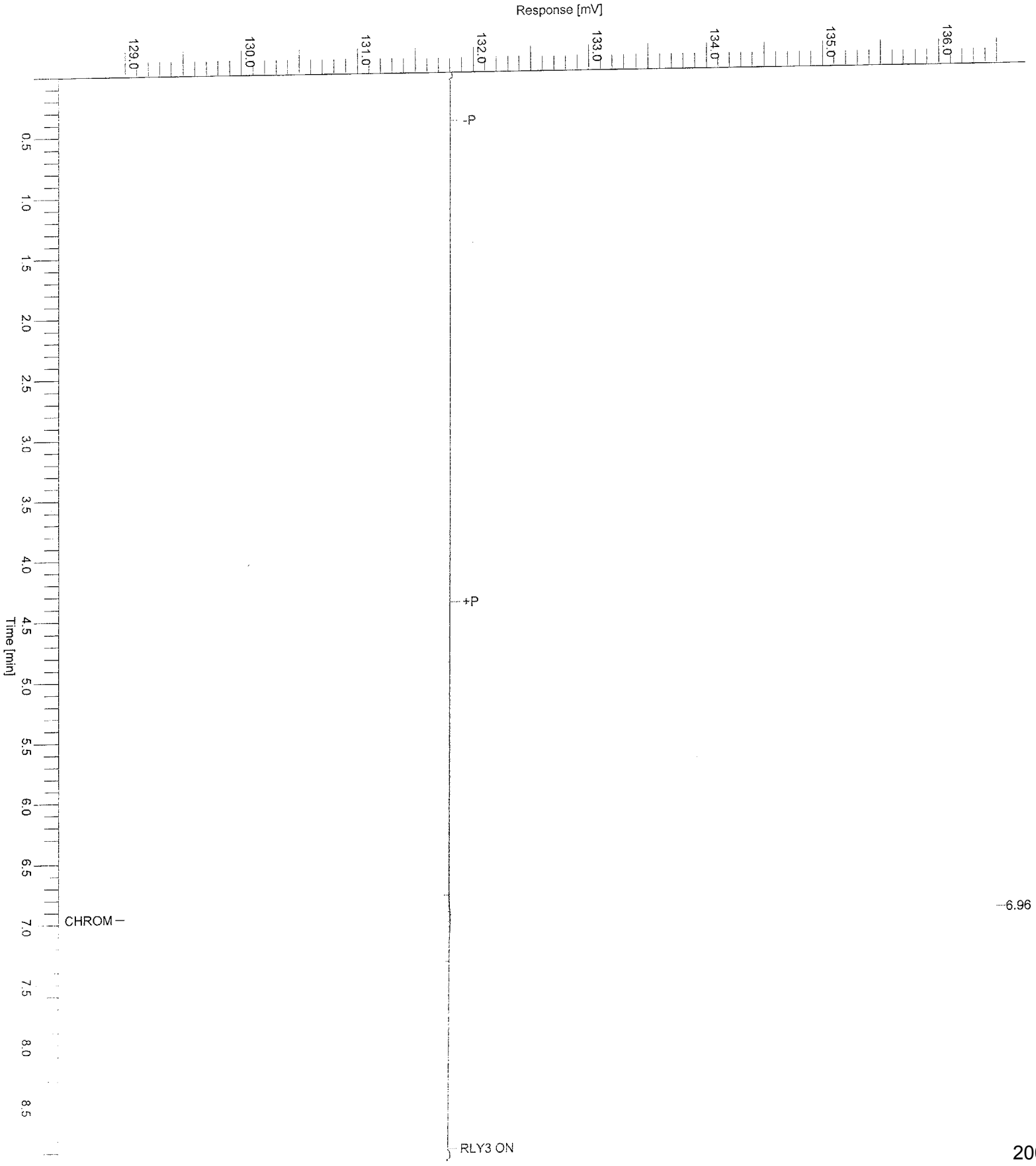
* Warning -- uncalibrated levels encountered

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

Chromatogram

Sample Name : 0.3ppb
Sample #: 7D28054

FileName : h:\data\ic4\20070428\20070428004.raw
Date : 4/28/2007 4:08:15 PM
Time of Injection: 4/28/2007 3:58:53 PM
Method : chr6qd19a.mth
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	

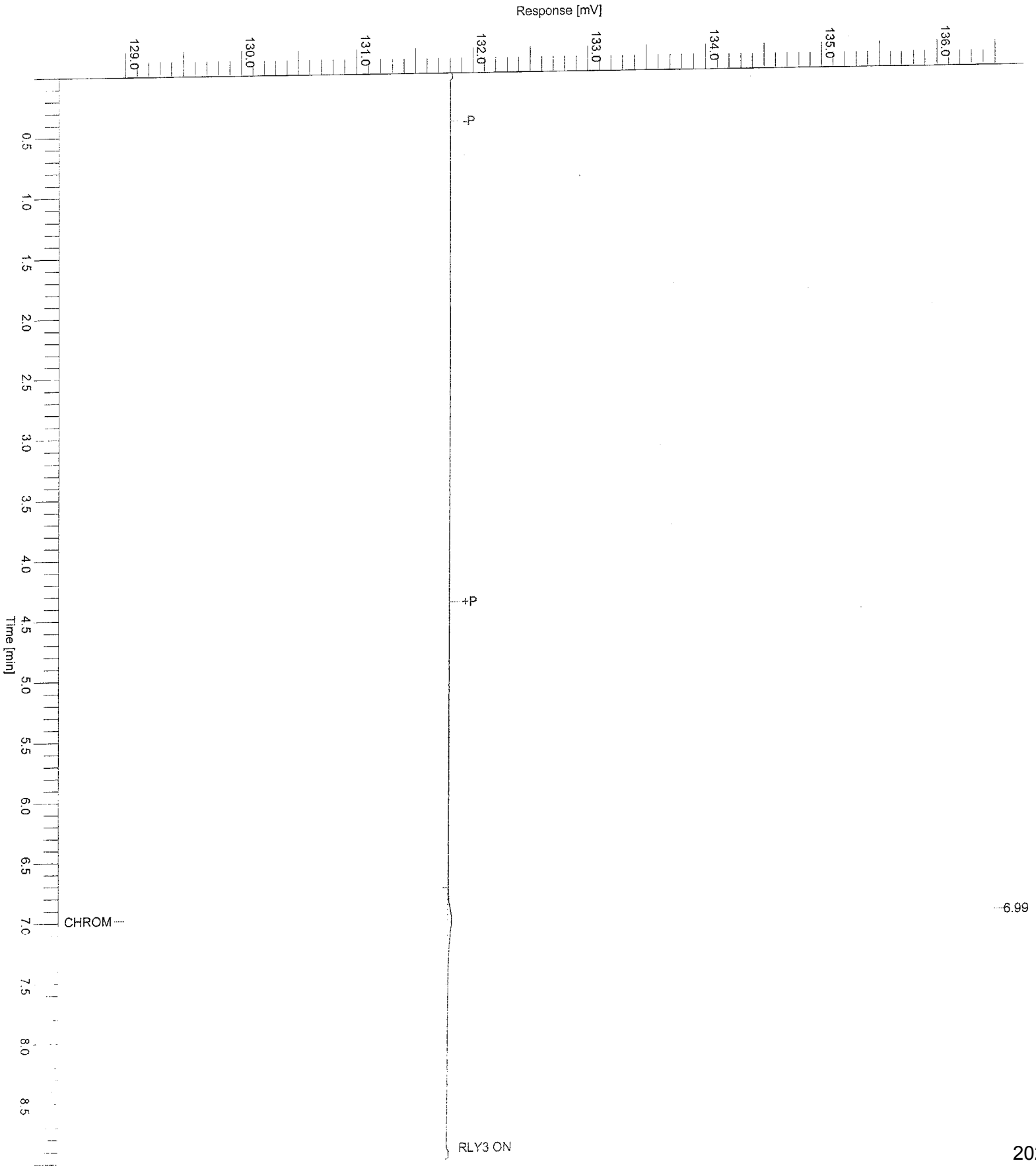
* Warning -- uncalibrated levels encountered

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

Chromatogram

Sample Name : 1.0ppb
Sample #: 7D28054

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	

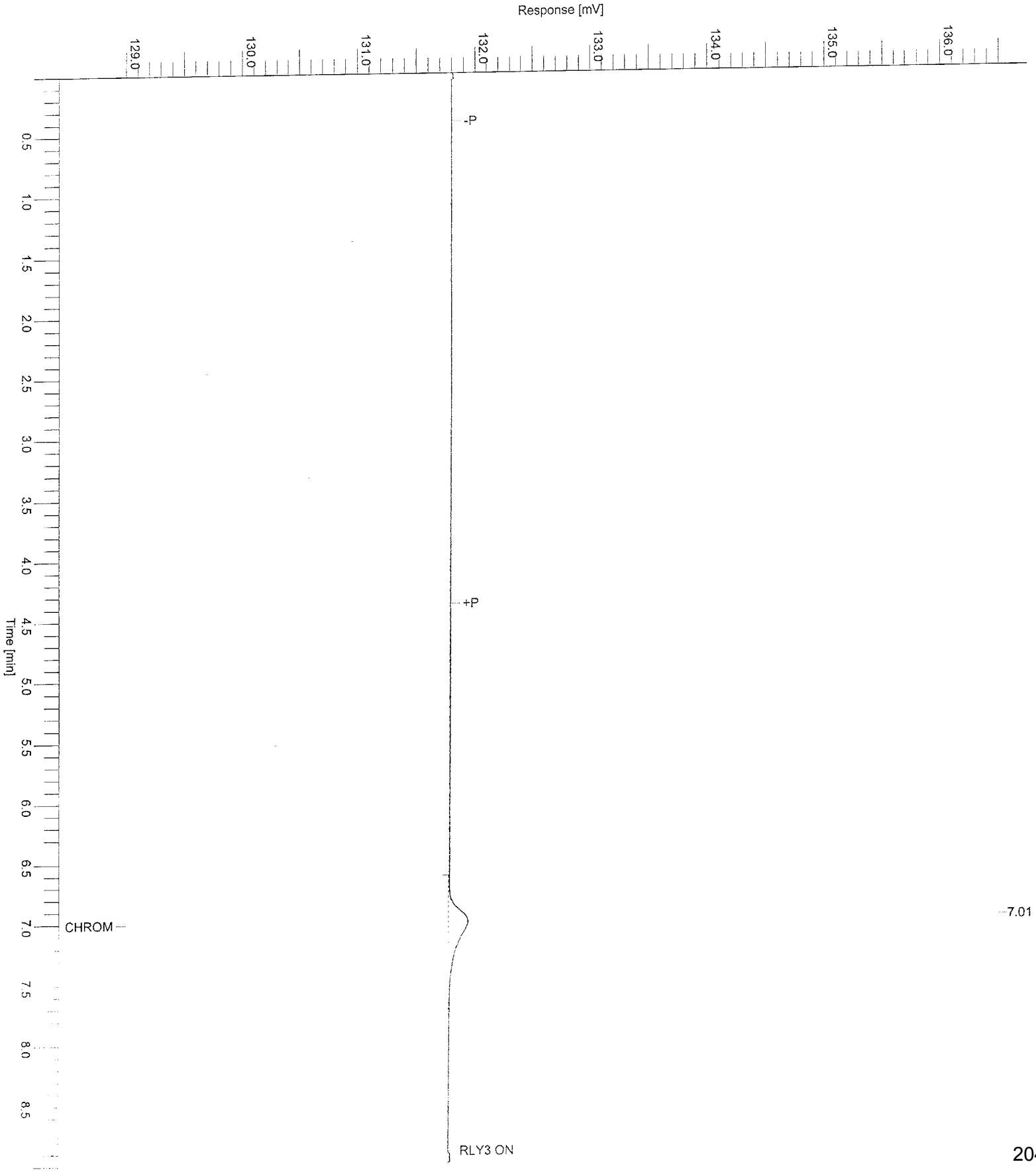
* Warning -- uncalibrated levels encountered

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	

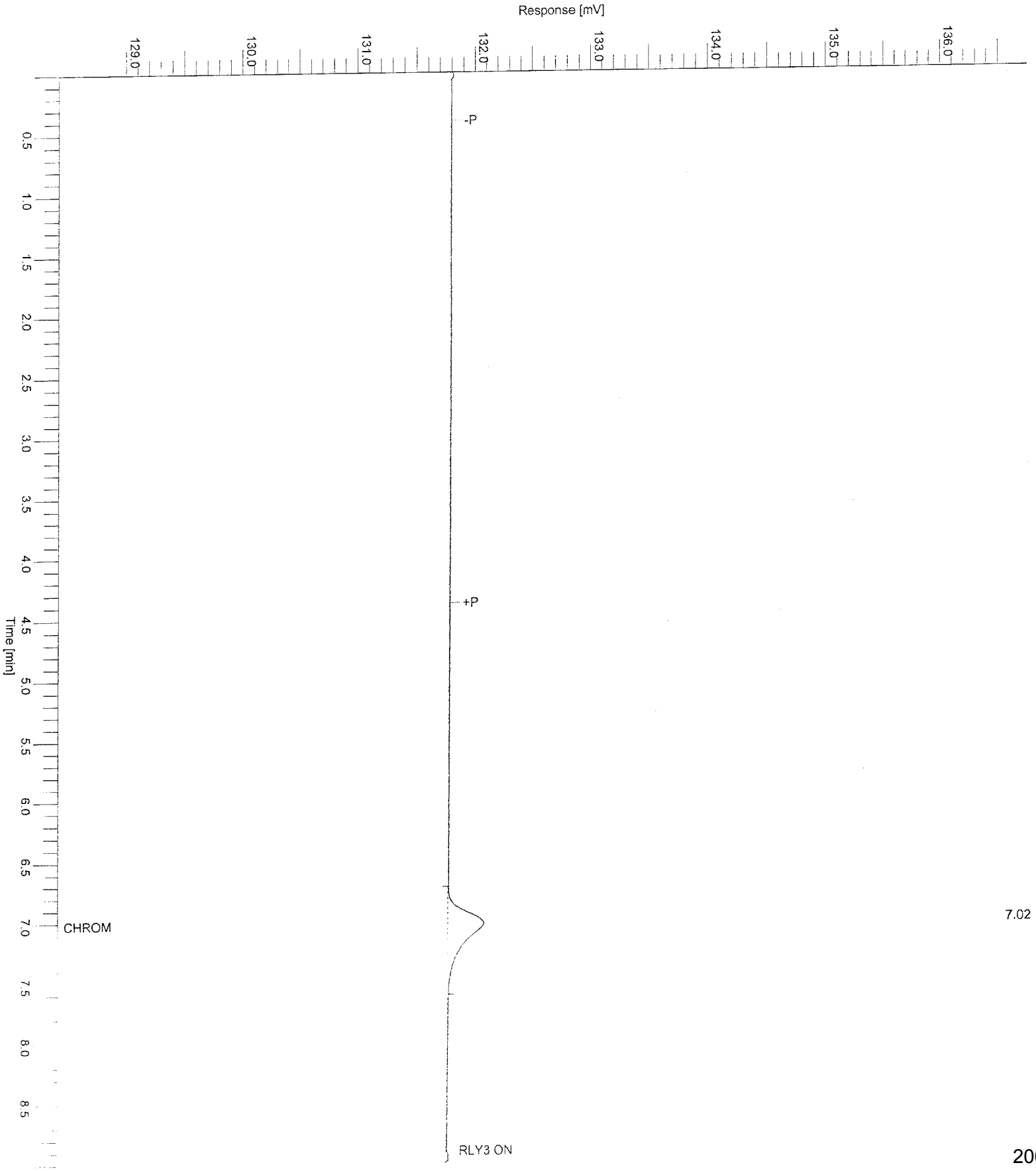
* Warning -- uncalibrated levels encountered

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

Chromatogram

Sample Name : 10ppb
Sample #: 7D28054

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	

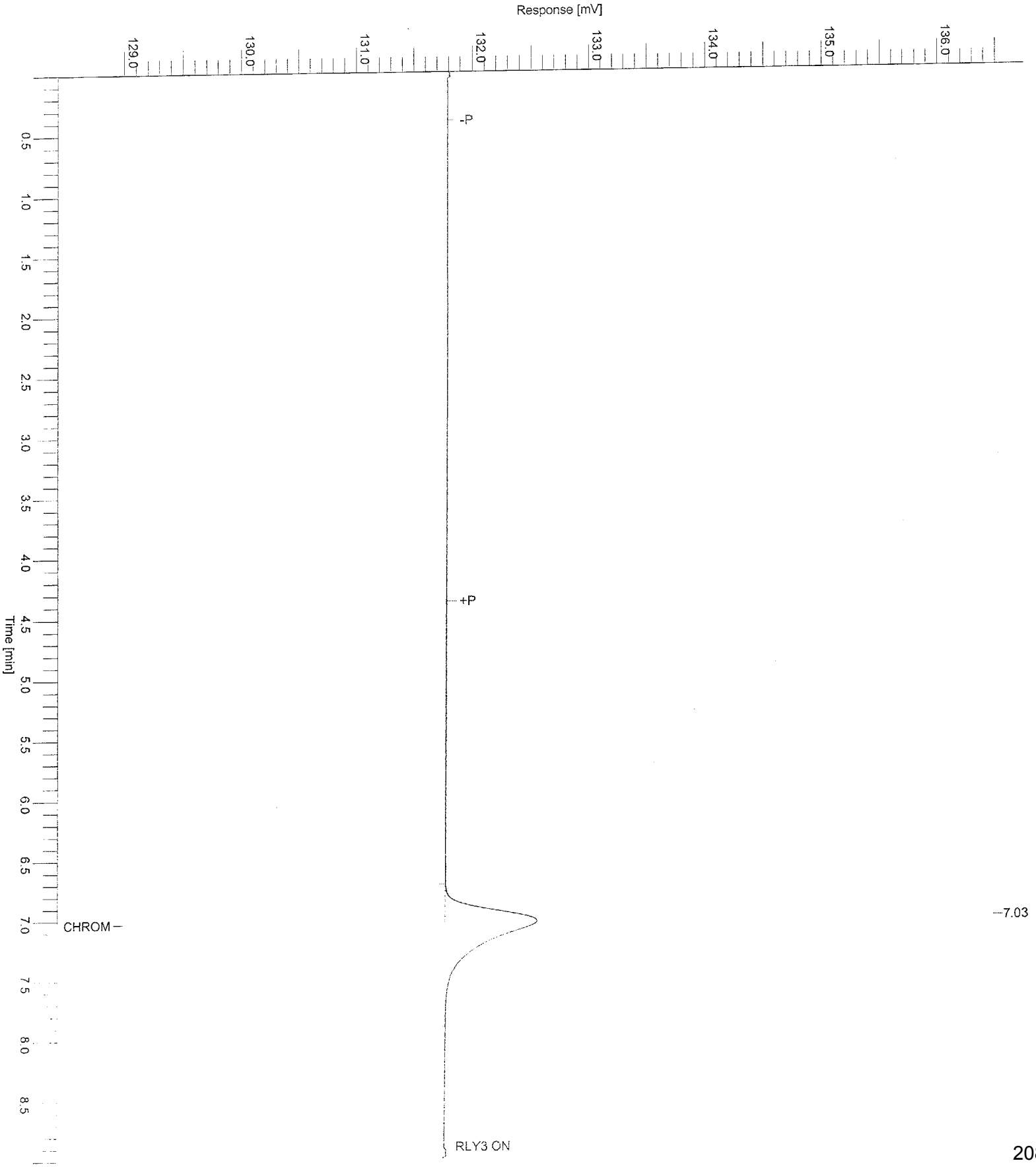
* Warning -- uncalibrated levels encountered

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	

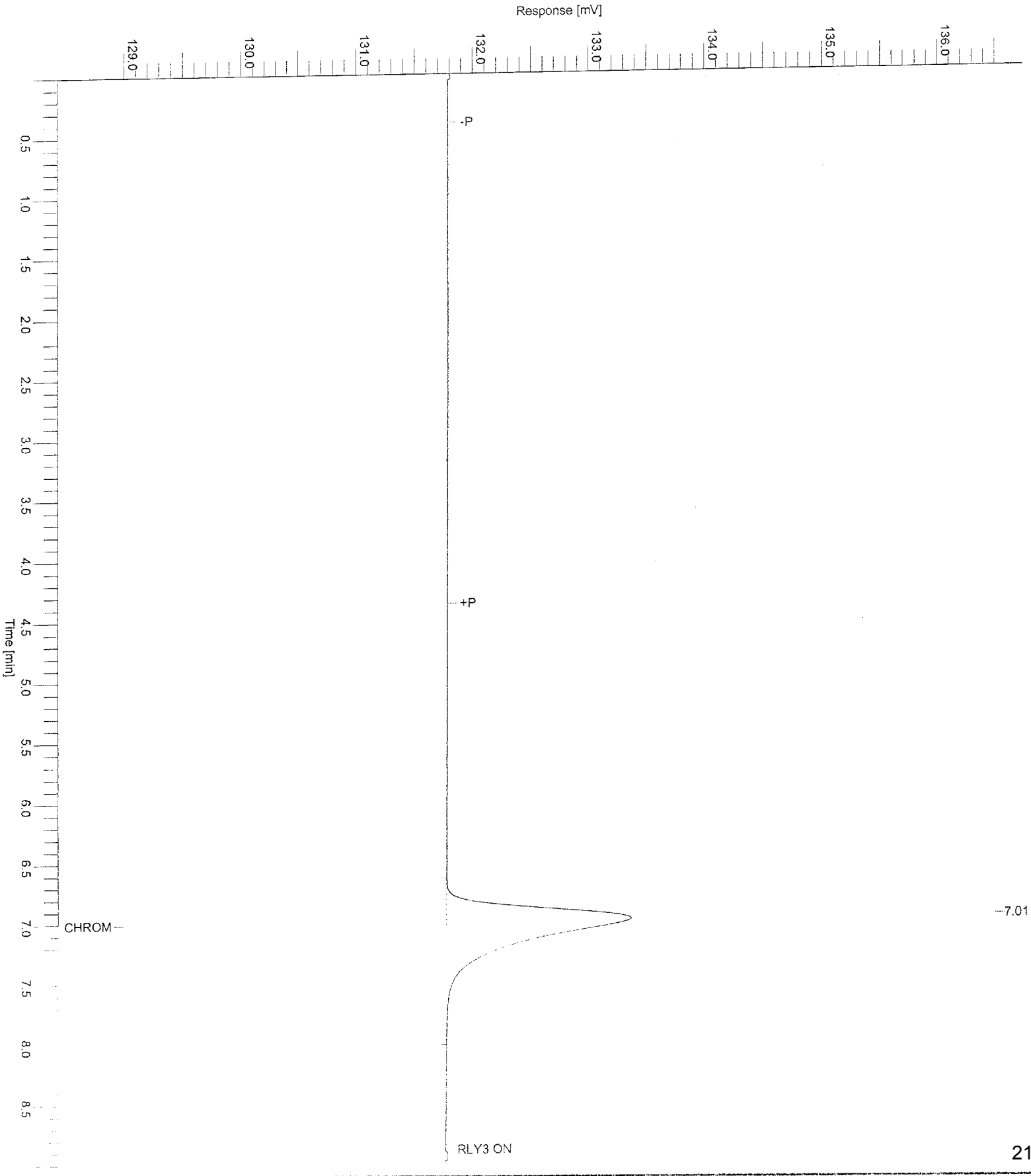
* Warning -- uncalibrated levels encountered

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	

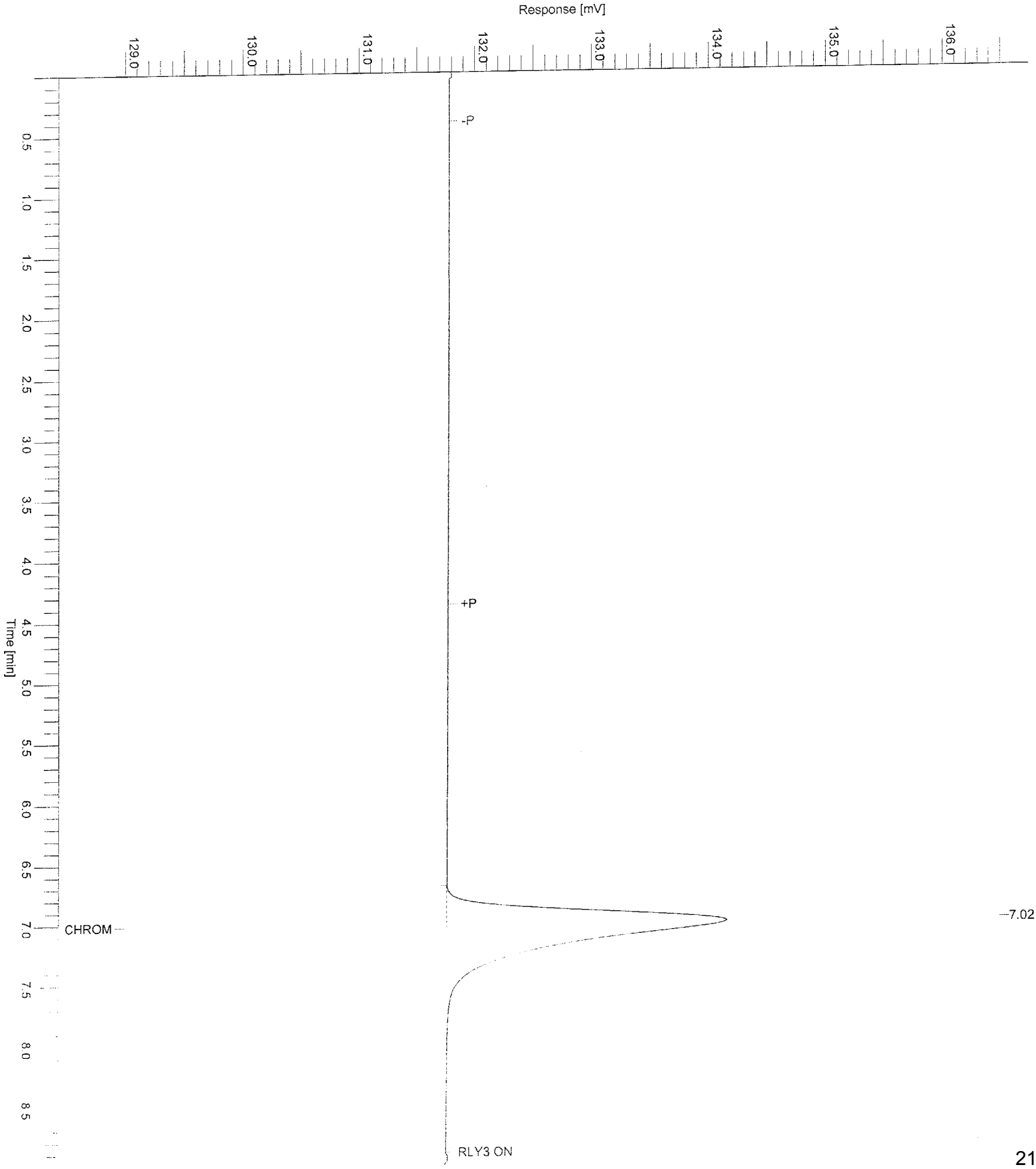
* Warning -- uncalibrated levels encountered

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
Time of Injection: 4/28/2007 5:05:31 PM
Method : chr6qd19a.mth
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

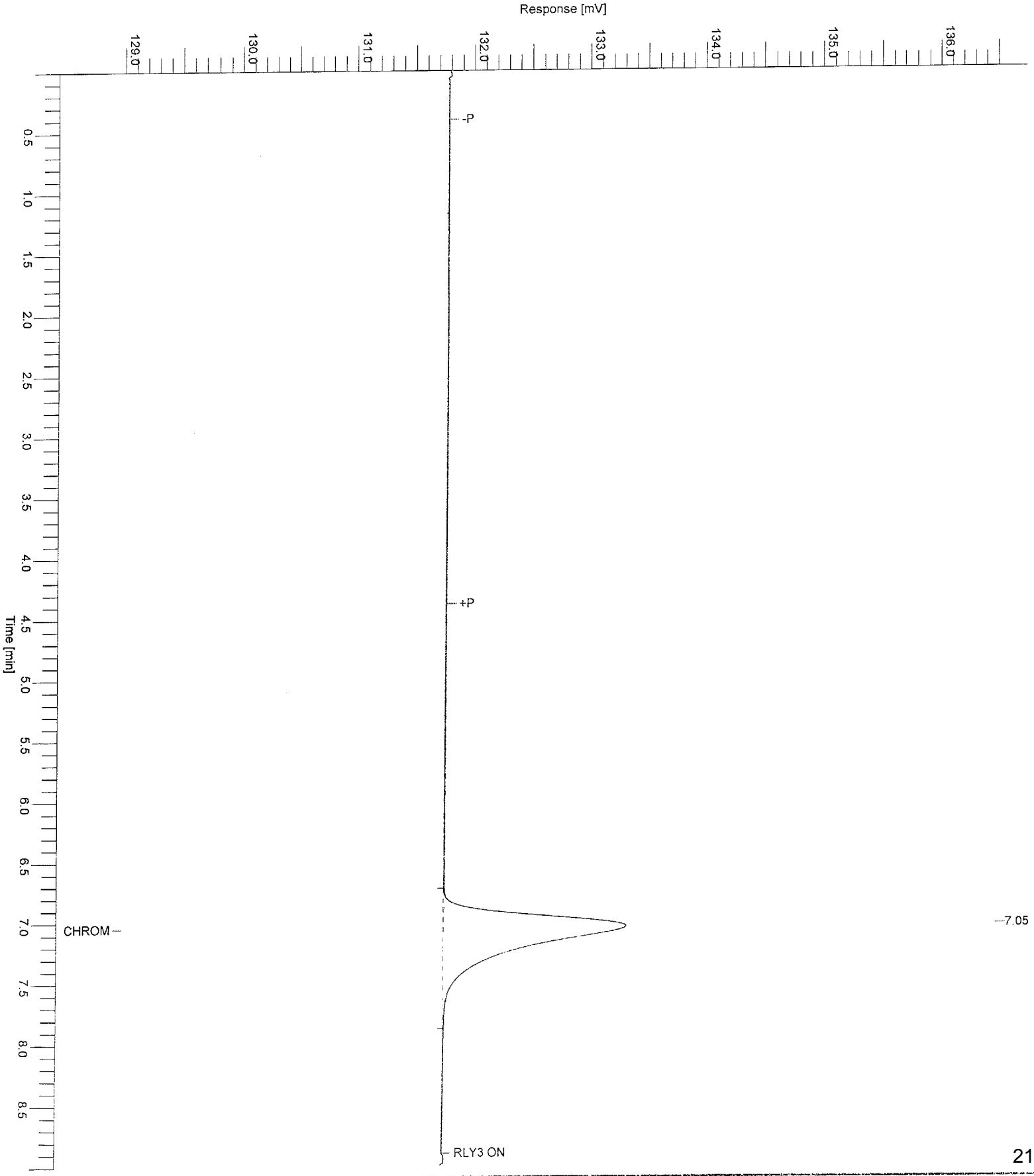
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.049	chrom6	27618.00	1.572e+03	49.2492	49.2492	*
			27618.00	1.572e+03	49.2492	49.2492	

* Warning -- uncalibrated levels encountered

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

Chromatogram

Sample Name : ICV Sample #: 7D28054 Page 1 of 1
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\20070709\20070709.seq
Printed by : inorg on: 7/10/2007 9:30:22 AM
Created by : inorg on: 7/9/2007 4:18:10 PM
Edited by : inorg on: 7/10/2007 2:07:59 AM
Number of Times Edited : 12
Description:

Sequence File Header Information:

Number of Rows : 187
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	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	~~7G09092-BS1~~	7G09092	7060052	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	~~7G09092-BS1~~	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
4	Sample	~~7G09092-BLK1~~	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	7G09092-BS1	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
6	Sample	7G09092-BLK1	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
7	Sample	IQG0597-01	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
8	Sample	IQG0597-02	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
9	Sample	7G09092-MS1	7G09092	IQG0597-01	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
10	Sample	~~7G09092-MSD1~~	7G09092	IQG0597-01	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
11	Sample	IQG0606-01	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
12	Sample	IQG0606-02	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
13	Sample	IQG0607-01	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
14	Sample	IQG0607-02	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
15	Sample	7G09092-MSD1	7G09092	IQG0597-01	1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
16	Sample	CCV	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
17	Sample	CCB	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
18	Sample	CCV	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
19	Sample	CCB	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
20	Sample	IQG0607-03	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
21	Sample	IQG0607-04	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
22	Sample	IQG0607-05	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
23	Sample	CCV	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
24	Sample	CCB	7G09092		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
25	Sample	7G09117-BS1	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
26	Sample	7G09117-BLK1	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
27	Sample	IQG0610-02	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
28	Sample	7G09117-MS1	7G09117	IQG0610-02	1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
29	Sample	7G09117-MSD1	7G09117	IQG0610-02	1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
30	Sample	IQG0610-03	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
31	Sample	IQG0610-04	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
32	Sample	IQG0610-05	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
33	Sample	IQG0610-06	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
34	Sample	IQG0610-07	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
35	Sample	IQG0610-08	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
36	Sample	CCV	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
37	Sample	CCB	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
38	Sample	IQG0610-09	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
39	Sample	IQG0610-10	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
40	Sample	IQG0610-11	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
41	Sample	IQG0610-12	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
42	Sample	IQG0610-13	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
43	Sample	IQG0610-14	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
44	Sample	IQG0610-15	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
45	Sample	IQG0610-16	7G09117		1.000000	1.000	100.000000	1.000000	1.000000	0.000000	100.000
46	Sample	CCV	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
47	Sample	CCB	7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
48	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
49	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
50	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
51	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
52	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
53	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
54	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
55	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
56	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
57	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
58	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
59	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
60	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
61	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000
62	Sample		7G09117		1.000000	1.000	1.000000	1.000000	1.000000	0.000000	100.000

PREPARATION BENCH SHEET

7G09092

TestAmerica - Irvine, CA

Printed: 7/10/2007 11:37:35AM

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
7G09092-BLK1		QC	07/09/07 17:00	10	10			0		0					
7G09092-BS1		QC	07/09/07 17:00	10	10		7060052	100		100					
7G09092-MS1		QC	07/09/07 17:00	10	10	IQG0597-01	7060052	100		100					
7G09092-MSD1		QC	07/09/07 17:00	10	10	IQG0597-01	7060052	100		100					
IQG0597-01	A	Chromium VI-218.6 (0.	07/09/07 17:00	10	10										Added for BatchQC in: 7G09092
IQG0597-01	A	Chromium VI-218.6	07/09/07 17:00	10	10										
IQG0597-02	A	Chromium VI-218.6	07/09/07 17:00	10	10										
IQG0606-01	Q	Chromium VI-218.6	07/09/07 20:00	10	10										jflags
IQG0606-02	Q	Chromium VI-218.6	07/09/07 20:00	10	10										jflags
IQG0607-01	F	Chromium VI-218.6 (0.	07/09/07 20:00	10	10										
IQG0607-02	F	Chromium VI-218.6 (0.	07/09/07 20:00	10	10										
IQG0607-03	F	Chromium VI-218.6 (0.	07/09/07 20:00	10	10										
IQG0607-04	F	Chromium VI-218.6 (0.	07/09/07 20:00	10	10										
IQG0607-05	F	Chromium VI-218.6 (0.	07/09/07 20:00	10	10										

Reagents used in Batch

Reagent	Description	Solvent

Spiking Witnessed By Date

Preparation Reviewed By Date

a 7/16/07

Extracts Received By Date

216

DAILY DATA CHECKLIST

EPA 7199 & 218.6 – Hexavalent Chromium by IC

Analyst:	JM/SLa	2nd Level Review:	[illegible]
Analysis Date:	7/9/07	Date:	7/16/07
IC #:	IC4	Original Calibration date:	4/30/07
Method used:	218.6 & 7199	Original Calibration file #:	Chr6qd30.M1
QC Batches:	7G09092, 7G09117		

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:

Software Version	: 6.2.1.0.106:0106	Date	: 7/9/2007 4:33:07 PM
Reprocess Number	: ic2: 90124		
Operator	: inorg	Sample Name	: IB
Sample Number	: 7G09092	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	: 7/9/2007 4:23:54 PM	Cycle	: 1

Raw Data File : h:\data\ic4\20070709\20070709001.raw
Result File : h:\data\ic4\20070709\20070709001.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709001.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709001.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709001.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

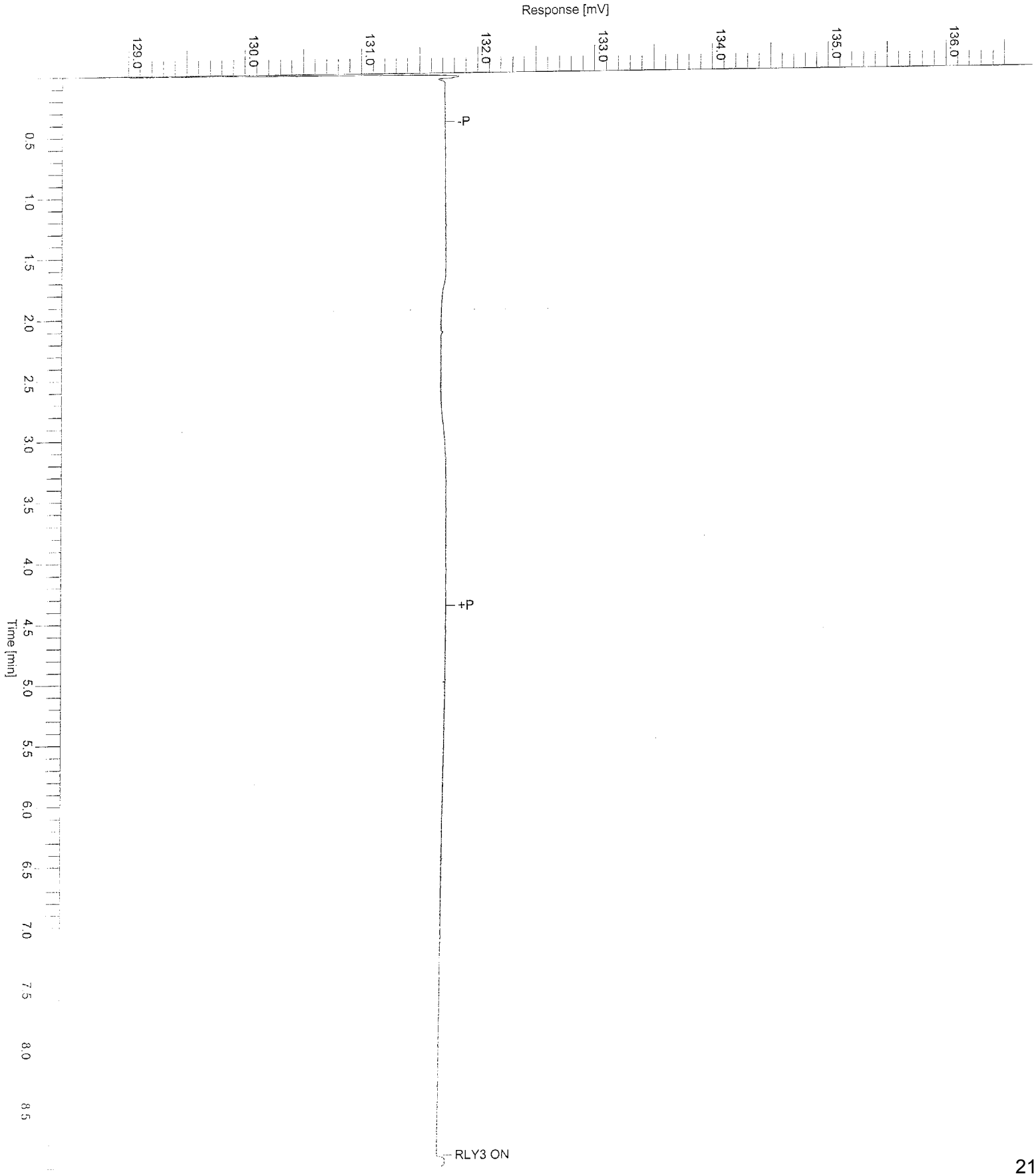
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070709\20070709001.TX0

Chromatogram

Sample Name : IB
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709001.raw
Date : 7/9/2007 4:33:08 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 4:23:54 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	: 7/9/2007 5:51:21 PM
Operator	: inorg	Sample Name	: 7G09092-BS1
Sample Number	: 7G09092	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	: 7/9/2007 5:23:32 PM	Cycle	: 5

Raw Data File : h:\data\ic4\20070709\20070709005.raw
Result File : H:\DATA\IC4\20070709\20070709005.rst [Editing in Progress]
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709005.raw
Proc Method : h:\data\ic4\chr6qd30 from H:\DATA\IC4\20070709\20070709005.rst [Editing in Progress]
Calib Method : h:\data\ic4\chr6qd30 from H:\DATA\IC4\20070709\20070709005.rst [Editing in Progress]
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

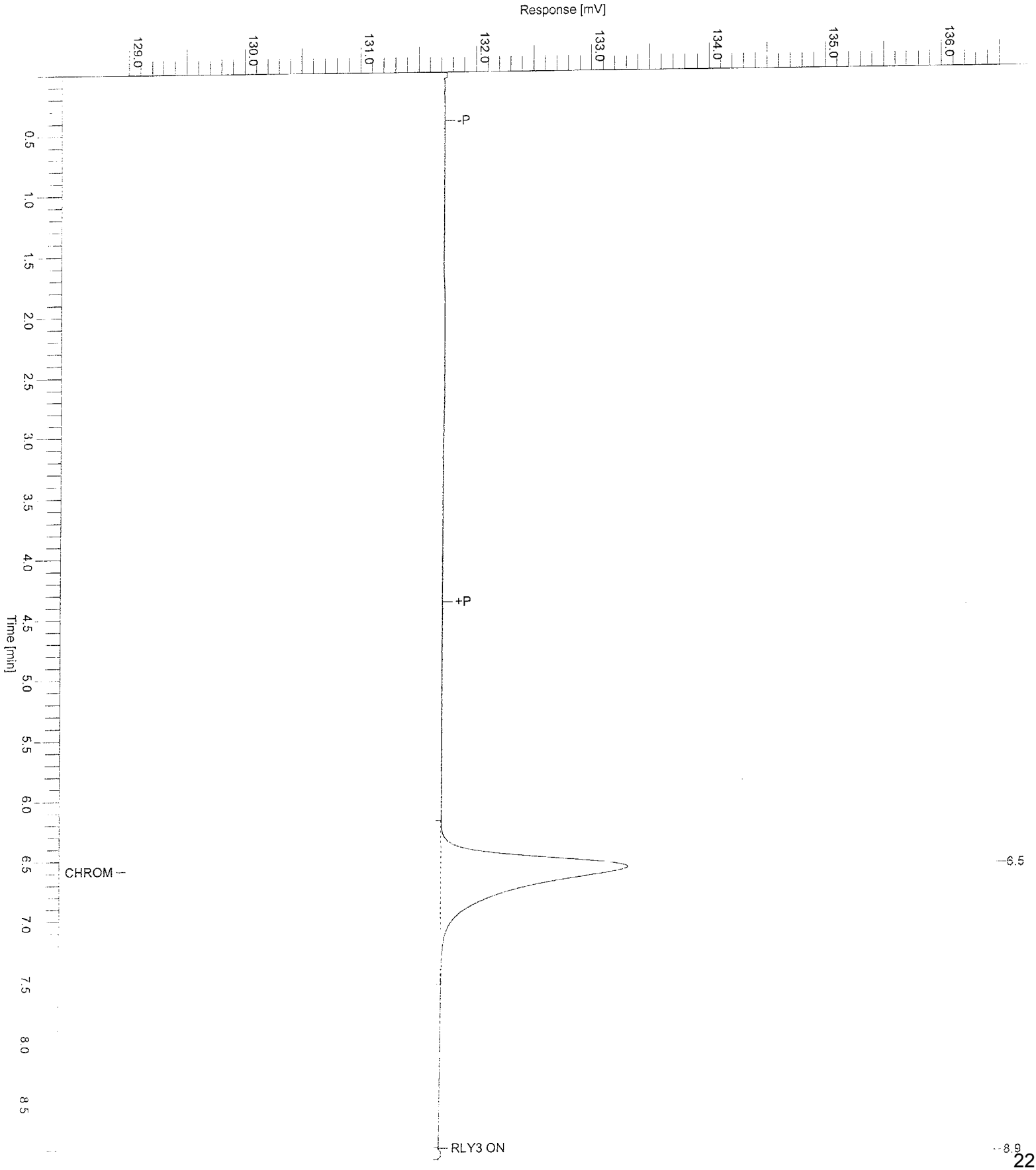
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.589	chrom6	27850.10	1.619e+03	50.7177	50.7177	*
			27850.10	1.619e+03	50.7177	50.7177	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: H:\DATA\IC4\20070709\20070709005.TX0

Chromatogram

Sample Name : 7G09092-BS1 Sample #: 7G09092 Page 1 of 1
FileName : h:\data\ic4\20070709\20070709005.raw
Date : 7/9/2007 5:51:24 PM
Method :
Time of Injection: 7/9/2007 5:23:32 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	: 7/9/2007 5:46:53 PM
Reprocess Number	: ic2: 90133		
Operator	: inorg	Sample Name	: 7G09092-BLK1
Sample Number	: 7G09092	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	: 7/9/2007 5:37:38 PM	Cycle	: 6

Raw Data File : h:\data\ic4\20070709\20070709006.raw
Result File : h:\data\ic4\20070709\20070709006.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709006.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709006.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709006.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

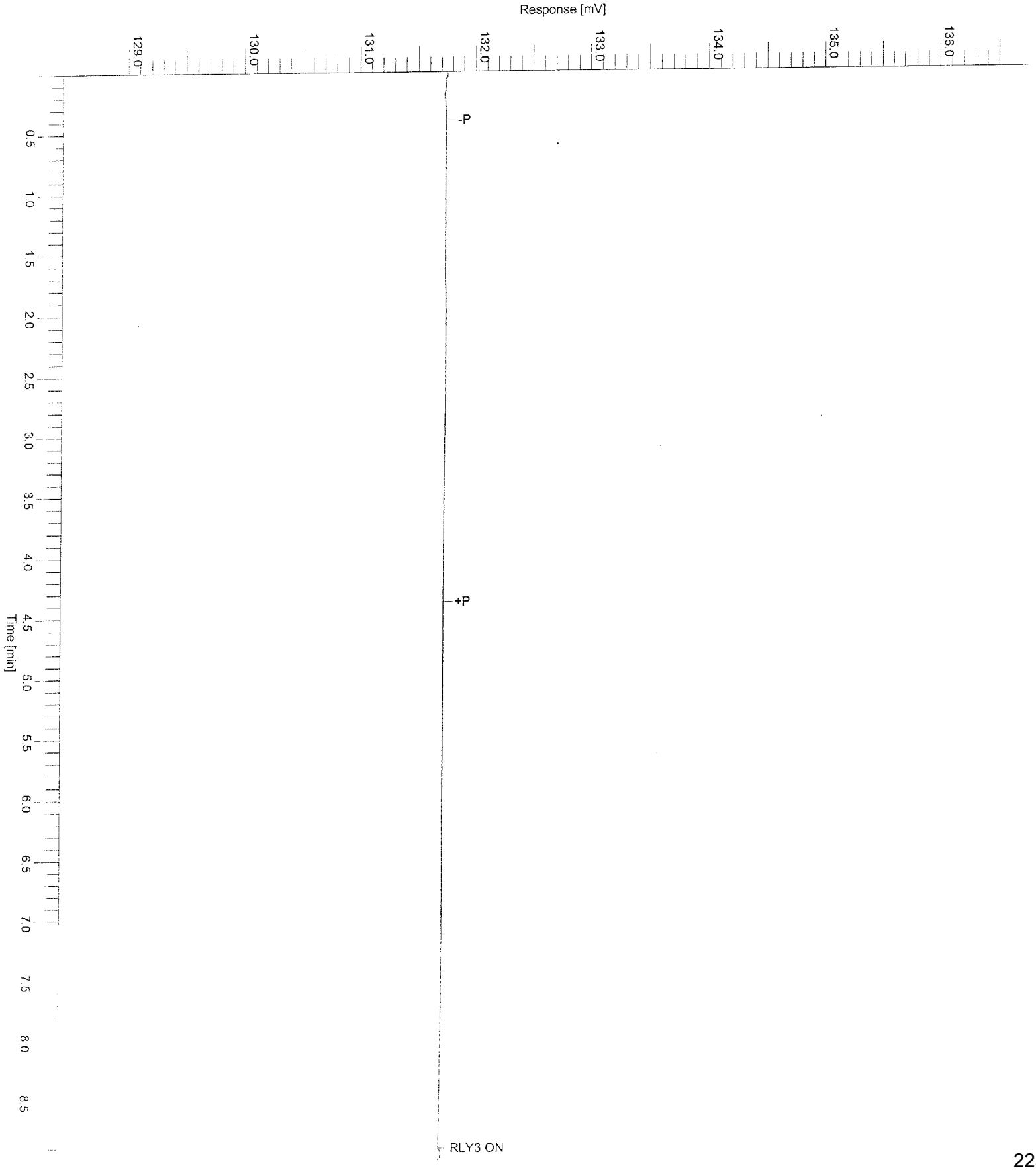
CHROM6

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\20070709\20070709006.TX0

Chromatogram

Sample Name : 7G09092-BLK1 Sample #: 7G09092 Page 1 of 1
FileName : h:\data\ic4\20070709\20070709006.raw
Date : 7/9/2007 5:46:54 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 5:37:38 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	: 7/9/2007 7:35:36 PM
Reprocess Number	: ic2: 90139		
Operator	: inorg	Sample Name	: IQG0597-01
Sample Number	: 7G09092	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	: 7/9/2007 7:26:19 PM	Cycle	: 7

Raw Data File : h:\data\ic4\20070709\20070709007.raw
Result File : h:\data\ic4\20070709\20070709007.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709007.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709007.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709007.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

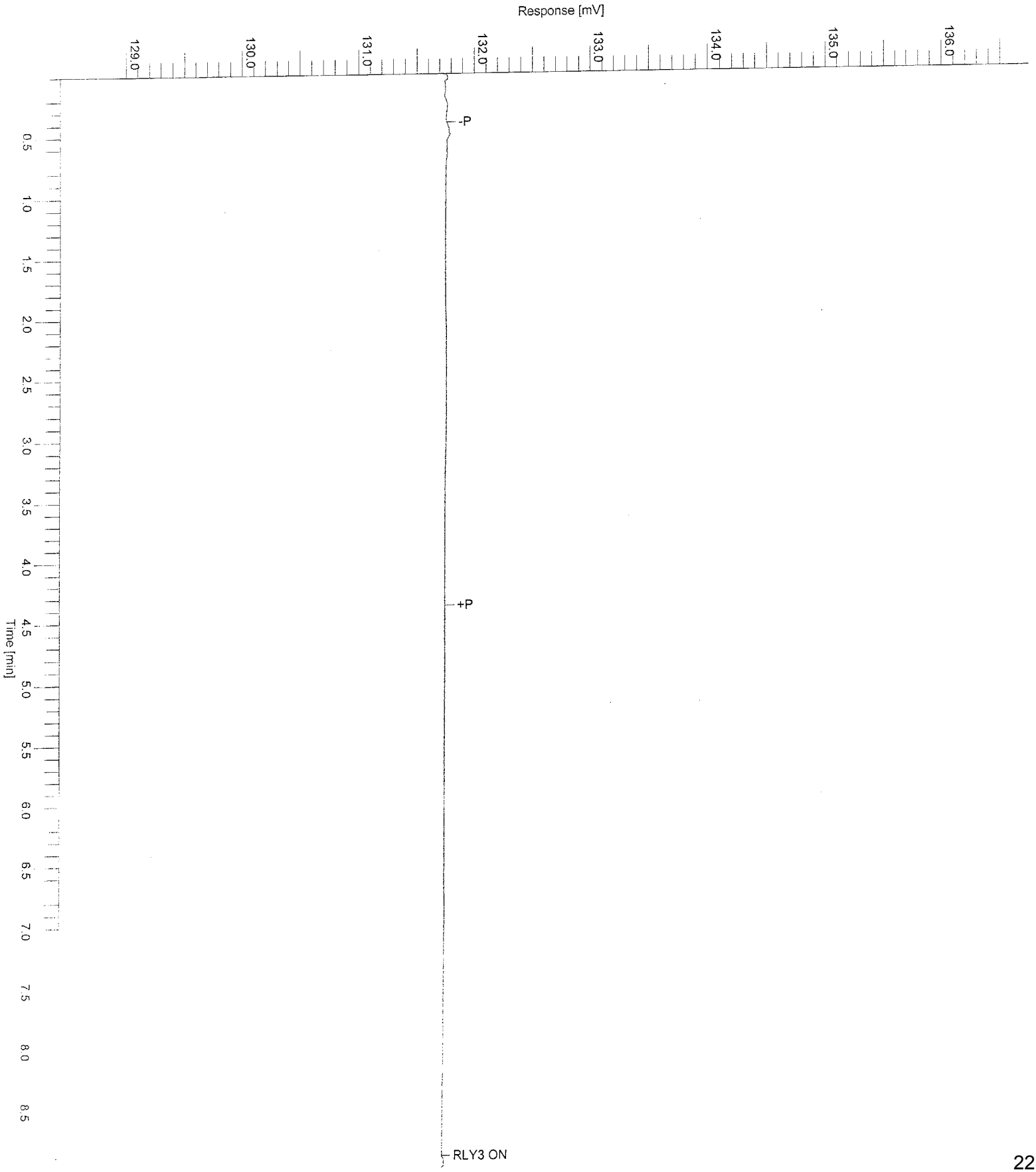
CHROM6

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\20070709\20070709007.TX0

Chromatogram

Sample Name : IQG0597-01 Sample #: 7G09092
FileName : h:\data\ic4\20070709\20070709007.raw
Date : 7/9/2007 7:35:37 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 7:26:19 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	: 7/9/2007 7:57:56 PM
Reprocess Number	: ic2: 90142		
Operator	: inorg	Sample Name	: 7G09092-MS1
Sample Number	: 7G09092	Study	: IQG0597-01
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	: 7/9/2007 7:48:35 PM	Cycle	: 9

Raw Data File : h:\data\ic4\20070709\20070709009.raw
Result File : h:\data\ic4\20070709\20070709009.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709009.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709009.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709009.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

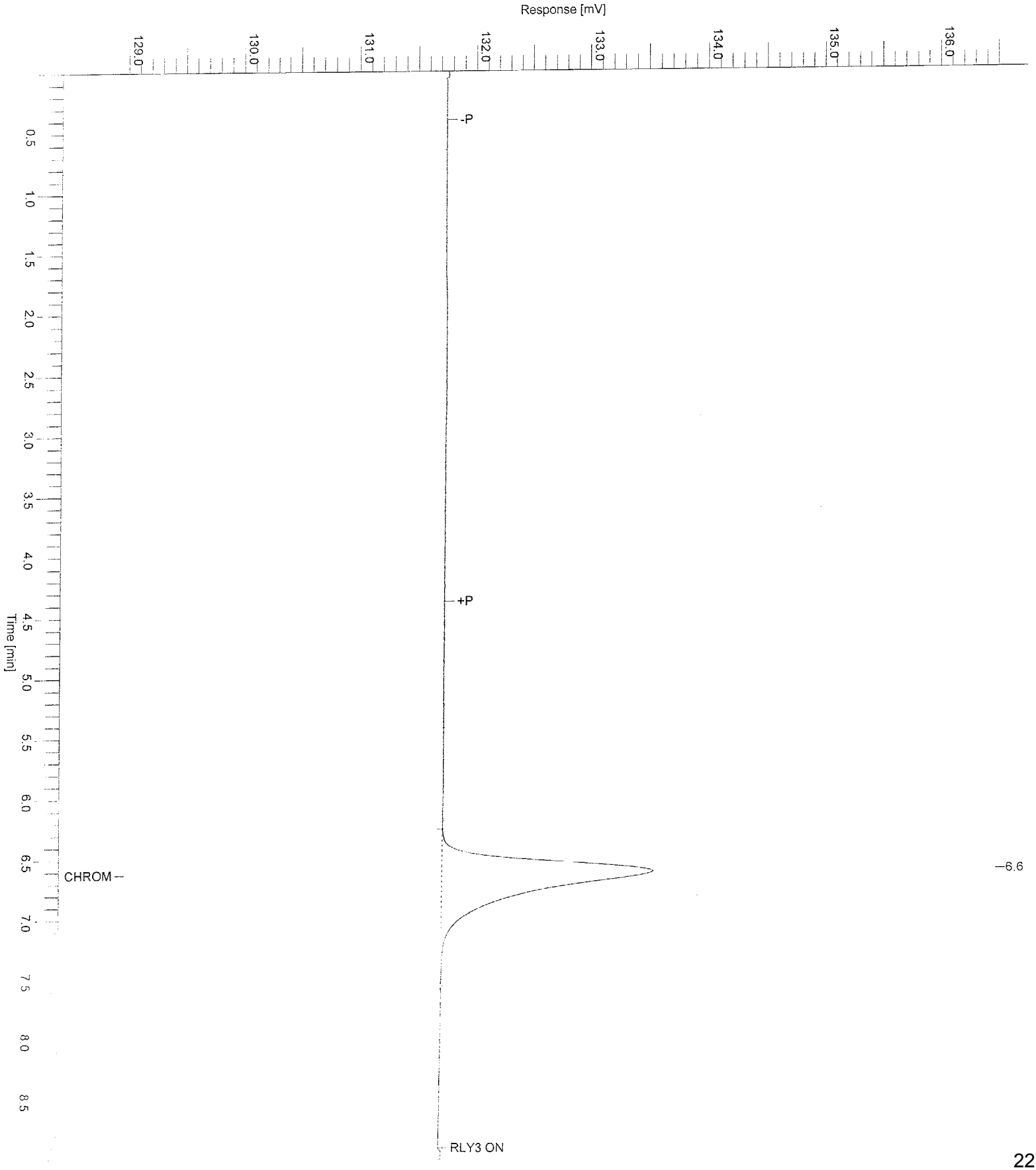
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.627	chrom6	30609.50	1.829e+03	57.2914	57.2914	*
			30609.50	1.829e+03	57.2914	57.2914	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709009.TX0

Chromatogram

Sample Name : 7G09092-MS1 Sample #: 7G09092
FileName : h:\data\ic4\20070709\20070709009.raw
Date : 7/9/2007 7:57:57 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 7:48:35 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	: 7/9/2007 8:47:37 PM
Reprocess Number	: ic2: 90148		
Operator	: inorg	Sample Name	: IQG0607-01
Sample Number	: 7G09092	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	: 7/9/2007 8:38:22 PM	Cycle	: 13

Raw Data File : h:\data\ic4\20070709\20070709013.raw
Result File : h:\data\ic4\20070709\20070709013.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709013.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709013.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709013.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

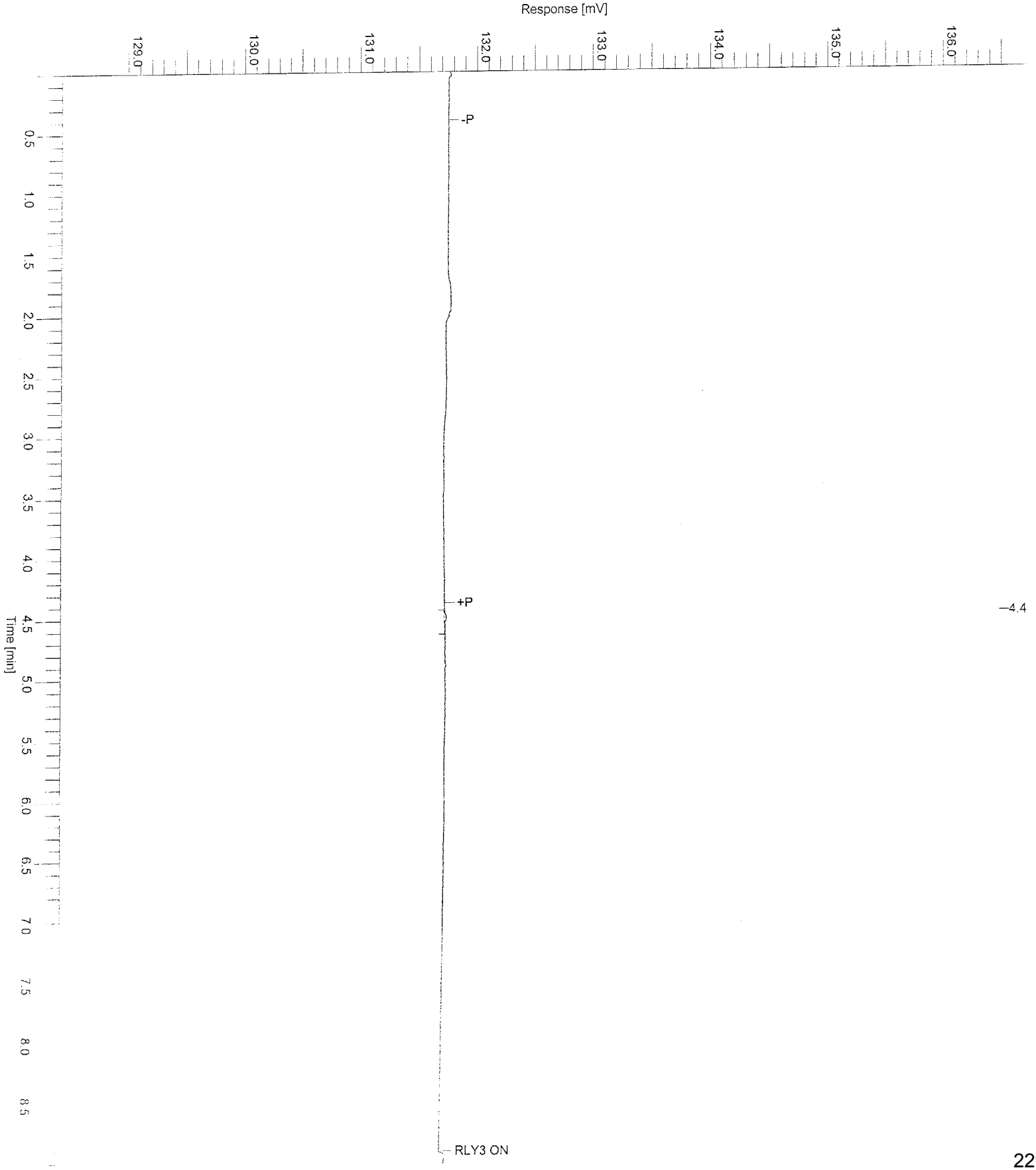
CHROM6

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\20070709\20070709013.TX0

Chromatogram

Sample Name : IQG0607-01 Sample #: 7G09092
FileName : h:\data\ic4\20070709\20070709013.raw
Date : 7/9/2007 8:47:39 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 8:38:22 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	: 7/9/2007 9:02:25 PM
Reprocess Number	: ic2: 90150		
Operator	: inorg	Sample Name	: IQG0607-02
Sample Number	: 7G09092	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	: 7/9/2007 8:53:13 PM	Cycle	: 14

Raw Data File : h:\data\ic4\20070709\20070709014.raw
Result File : h:\data\ic4\20070709\20070709014.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709014.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709014.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709014.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

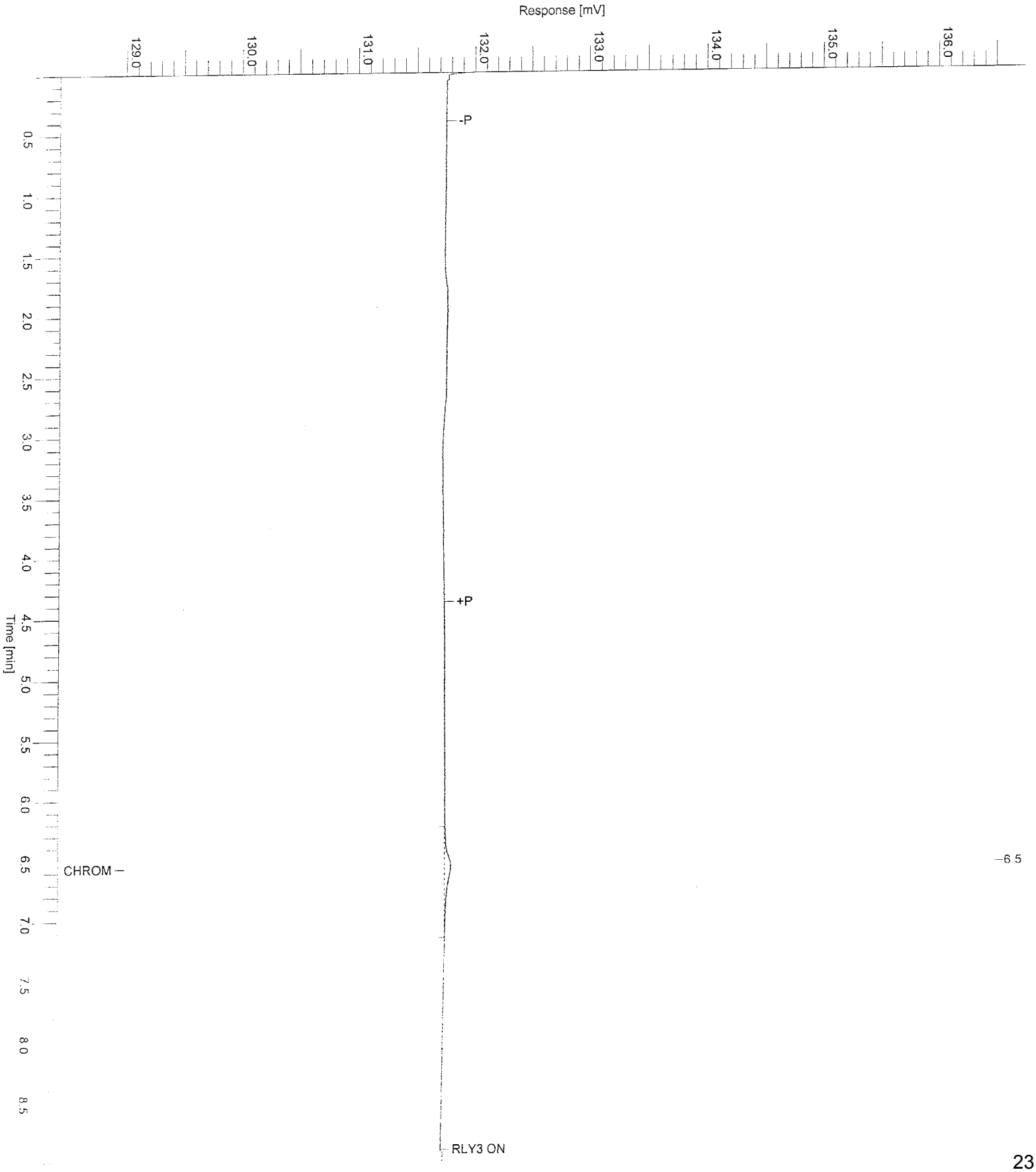
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.571	chrom6	1148.10	57.39414	1.7536	1.7536	*
			1148.10	57.39414	1.7536	1.7536	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709014.TX0

Chromatogram

Sample Name : IQG0607-02 Sample #: 7G09092 Page 1 of 1
FileName : h:\data\ic4\20070709\20070709014.raw
Date : 7/9/2007 9:02:26 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 8:53:13 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	: 8/1/2007 8:51:11 AM
Operator	: inorg	Sample Name	: 7G09092-MSD1
Sample Number	: 7G09092	Study	: IQG0597-01
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	: 7/9/2007 9:04:22 PM	Cycle	: 15

Raw Data File : h:\data\ic4\20070709\20070709015.raw
Result File : H:\DATA\IC4\20070709\20070709015.rst [Editing in Progress]
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709015.raw
Proc Method : h:\data\ic4\chr6qd30 from H:\DATA\IC4\20070709\20070709015.rst [Editing in Progress]
Calib Method : h:\data\ic4\chr6qd30 from H:\DATA\IC4\20070709\20070709015.rst [Editing in Progress]
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

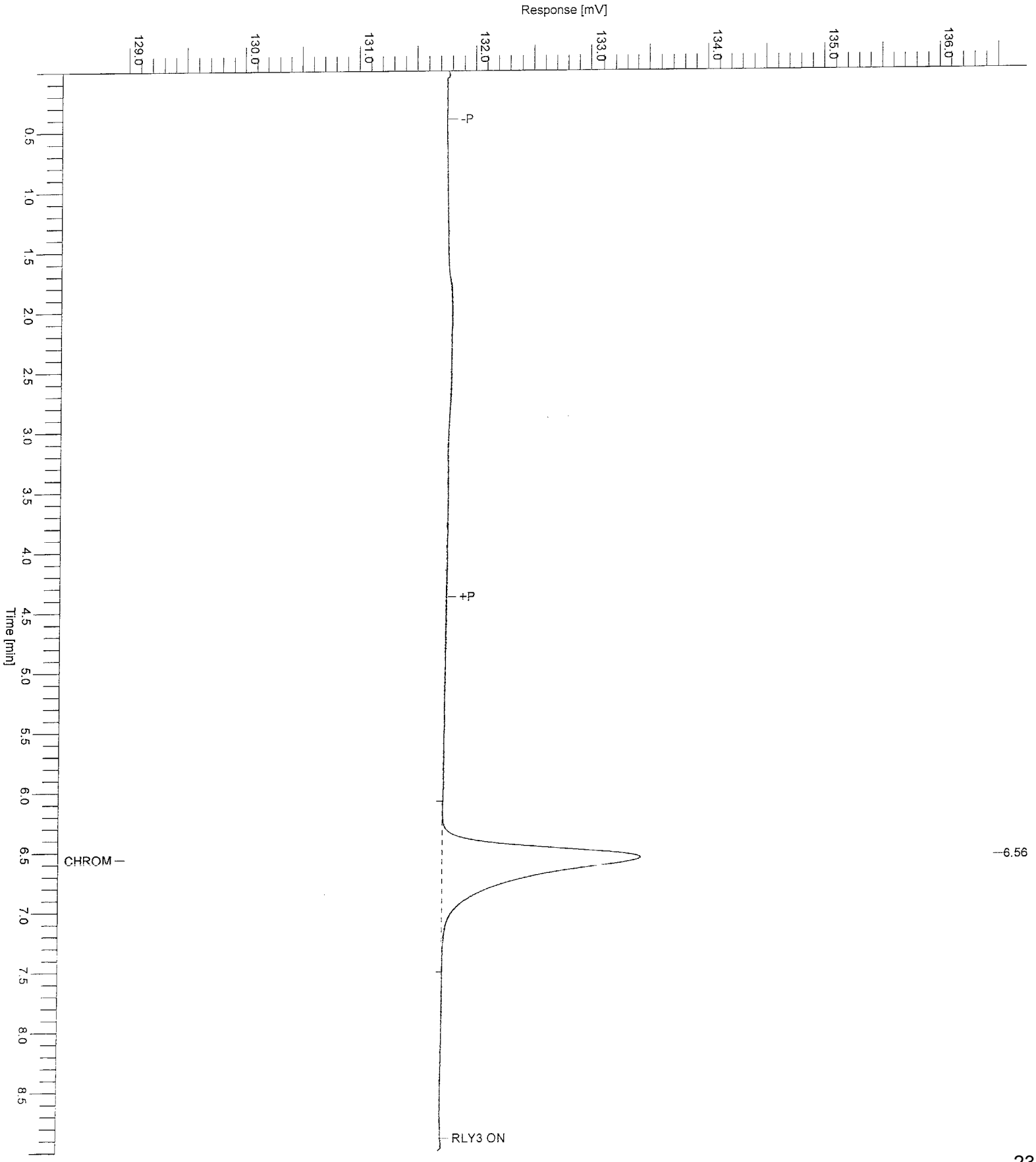
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.562	chrom6	28442.25	1.713e+03	53.6447	53.6447	*
			28442.25	1.713e+03	53.6447	53.6447	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: H:\DATA\IC4\20070709\20070709015.TX0

Chromatogram

Sample Name : 7G09092-MSD1 Sample #: 7G09092
FileName : h:\data\ic4\20070709\20070709015.raw
Date : 8/1/2007 8:51:36 AM
Method :
Time of Injection: 7/9/2007 9:04:22 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	: 7/9/2007 9:24:44 PM
Reprocess Number	: ic2: 90154		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G09092	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	: 7/9/2007 9:15:31 PM	Cycle	: 16

Raw Data File : h:\data\ic4\20070709\20070709016.raw
Result File : h:\data\ic4\20070709\20070709016.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709016.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709016.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709016.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
2	6.663	chrom6	28826.00	1.695e+03	53.0805	53.0805	*
			28826.00	1.695e+03	53.0805	53.0805	

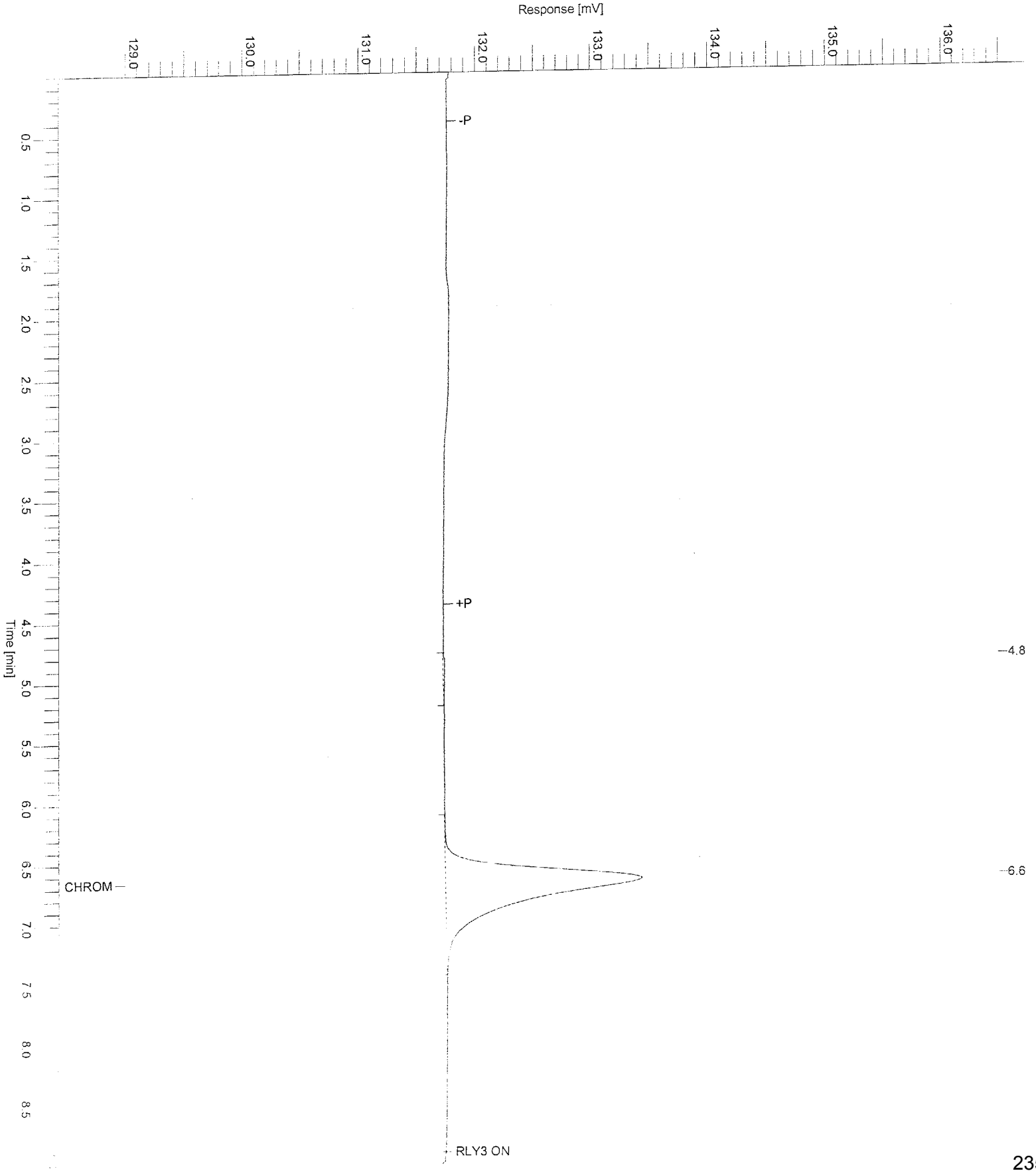
* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709016.TX0

Chromatogram

Sample Name : CCV
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709016.raw
Date : 7/9/2007 9:24:45 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 9:15:31 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	: 7/9/2007 9:35:53 PM
Reprocess Number	: ic2: 90155		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G09092	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	: 7/9/2007 9:26:40 PM	Cycle	: 17

Raw Data File : h:\data\ic4\20070709\20070709017.raw
Result File : h:\data\ic4\20070709\20070709017.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709017.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709017.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709017.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

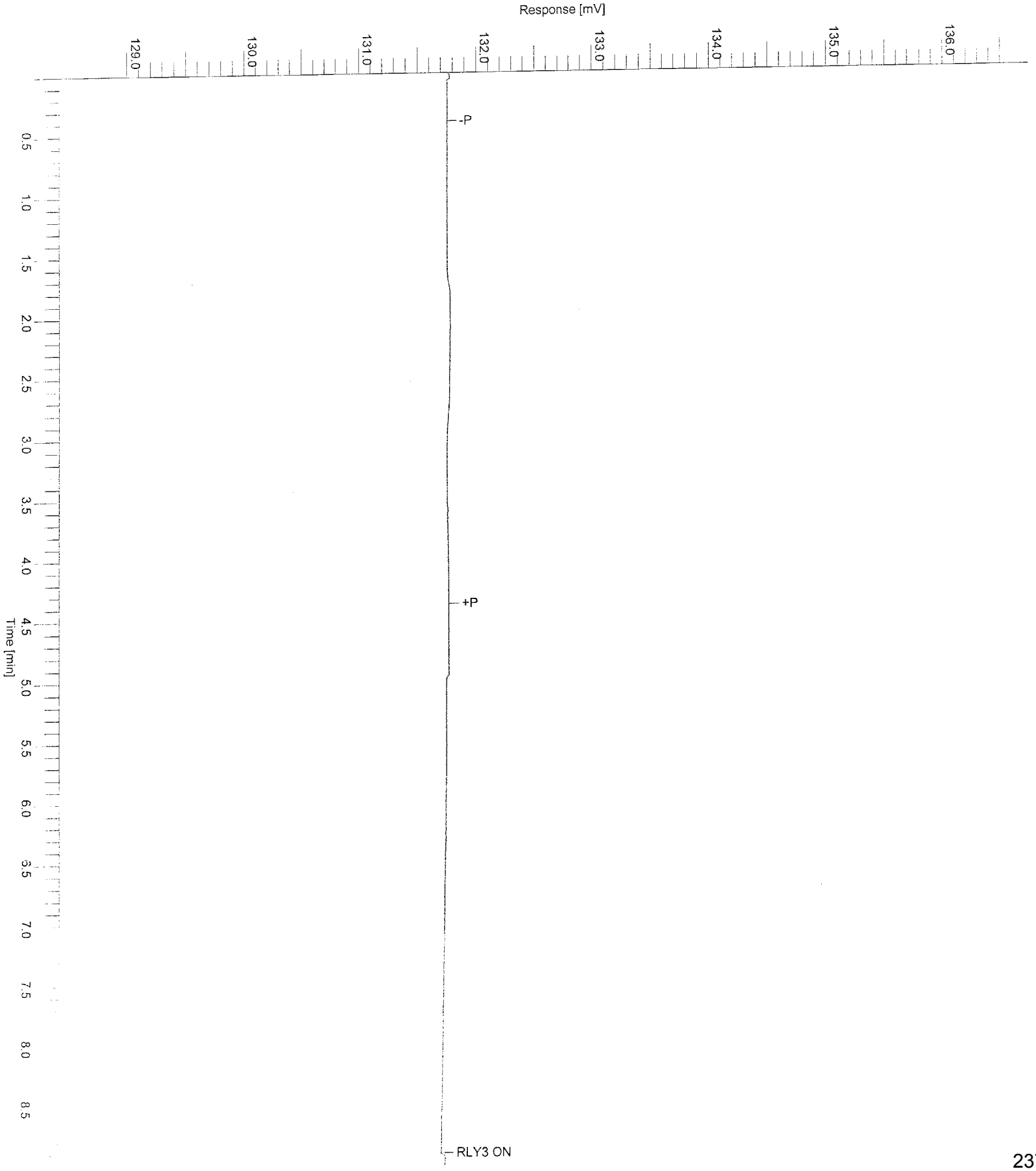
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070709\20070709017.TX0

Chromatogram

Sample Name : CCB
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709017.raw
Date : 7/9/2007 9:35:54 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 9:26:40 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	: 7/9/2007 9:47:03 PM
Reprocess Number	: ic2: 90157		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G09092	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	: 7/9/2007 9:37:48 PM	Cycle	: 18

Raw Data File : h:\data\ic4\20070709\20070709018.raw
Result File : h:\data\ic4\20070709\20070709018.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709018.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709018.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709018.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.573	chrom6	27774.50	1.599e+03	50.0736	50.0736	*
			27774.50	1.599e+03	50.0736	50.0736	

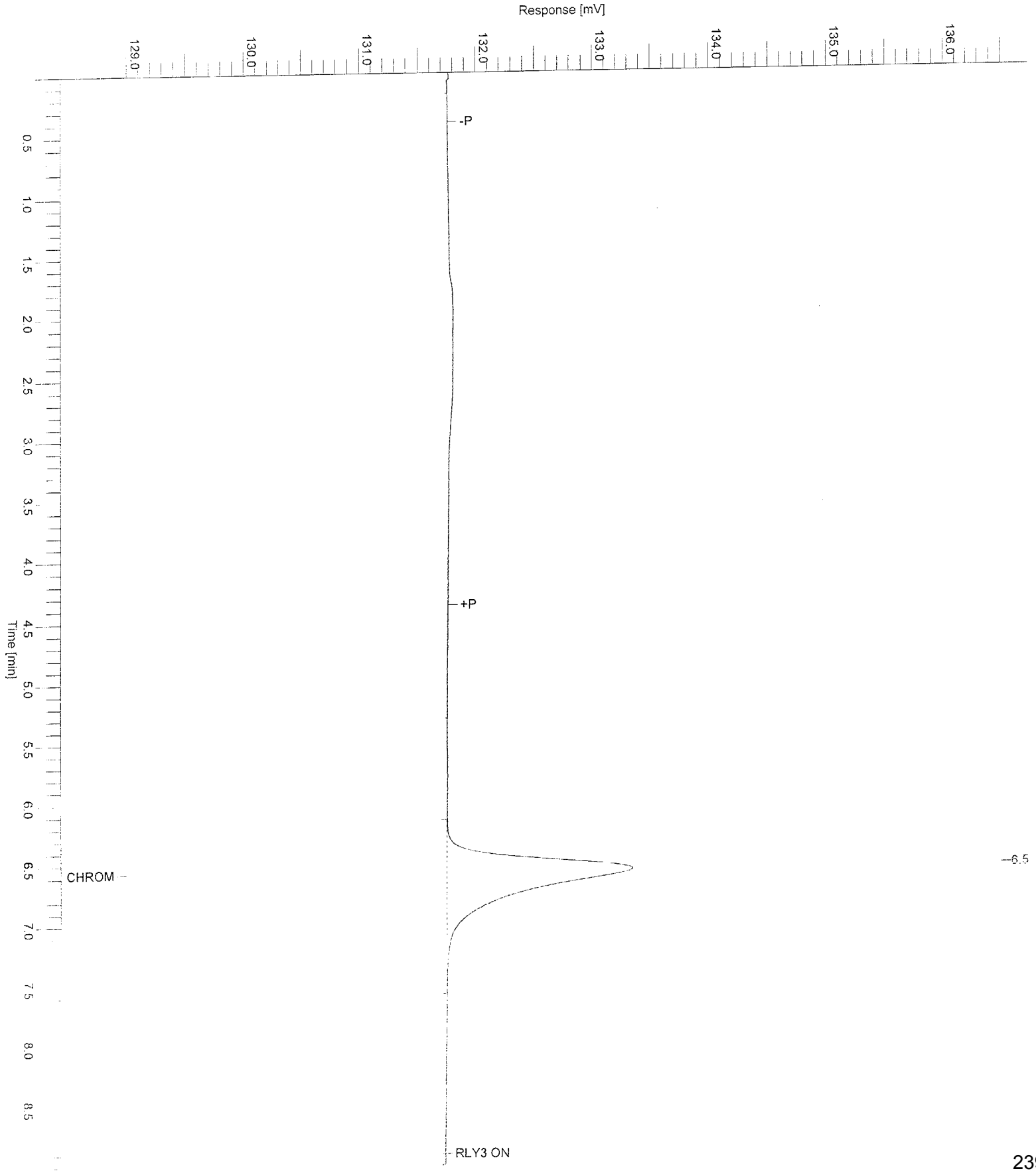
* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709018.TX0

Chromatogram

Sample Name : CCV
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709018.raw
Date : 7/9/2007 9:47:05 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 9:37:48 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	: 7/9/2007 9:58:10 PM
Reprocess Number	: ic2: 90159		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G09092	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	: 7/9/2007 9:48:57 PM	Cycle	: 19

Raw Data File : h:\data\ic4\20070709\20070709019.raw
Result File : h:\data\ic4\20070709\20070709019.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709019.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709019.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709019.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

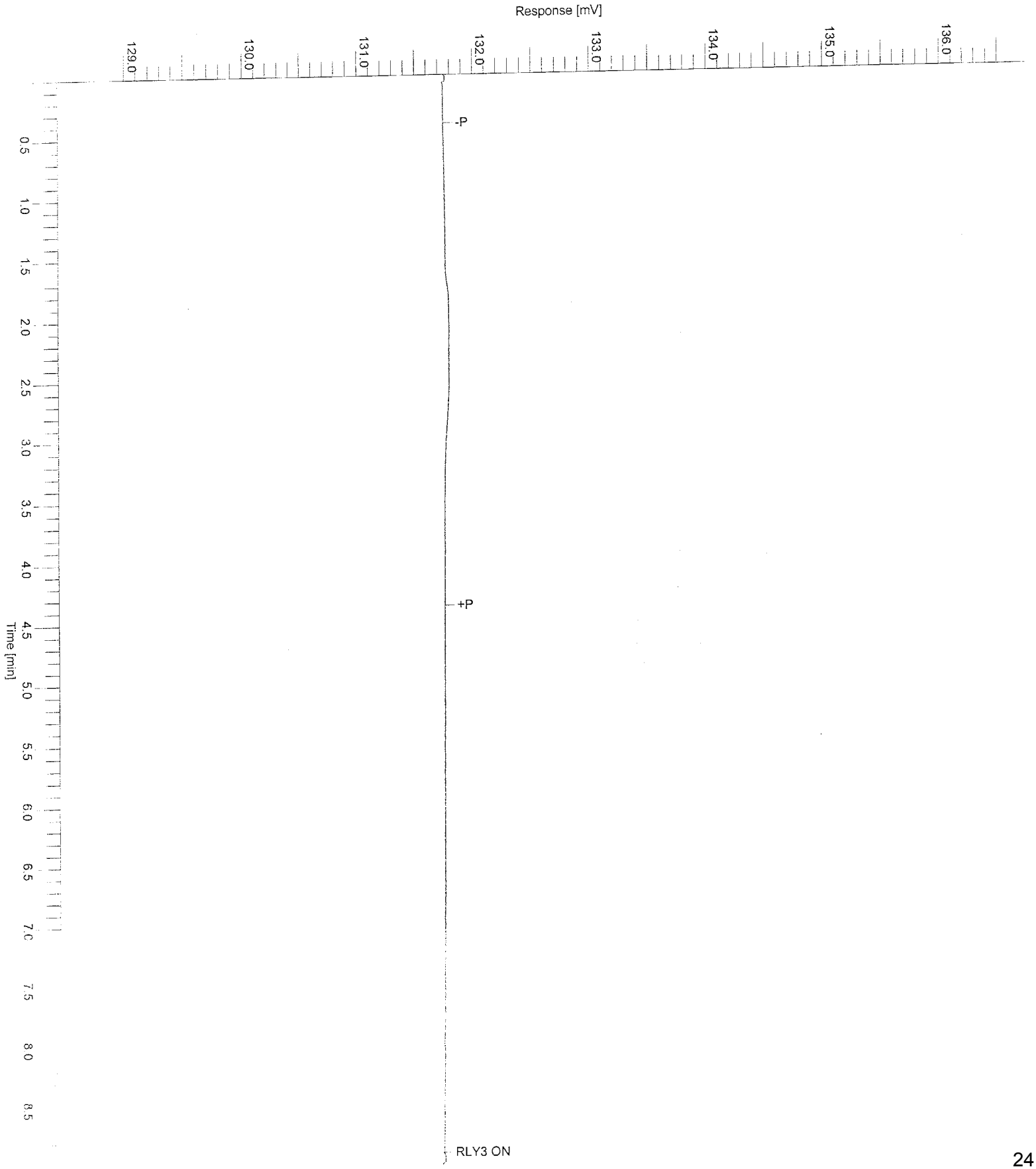
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
-	7.007	chrom6	0.00	0.00000	0.0000	0.0000	
			0.00	0.00000	0.0000	0.0000	

Report stored in ASCII file: h:\data\ic4\20070709\20070709019.TX0

Chromatogram

Sample Name : CCB
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709019.raw
Date : 7/9/2007 9:58:11 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 9:48:57 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	: 7/9/2007 10:09:17 PM
Reprocess Number	: ic2: 90160		
Operator	: inorg	Sample Name	: IQG0607-03
Sample Number	: 7G09092	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	: 7/9/2007 10:00:04 PM	Cycle	: 20

Raw Data File : h:\data\ic4\20070709\20070709020.raw
Result File : h:\data\ic4\20070709\20070709020.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709020.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709020.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709020.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

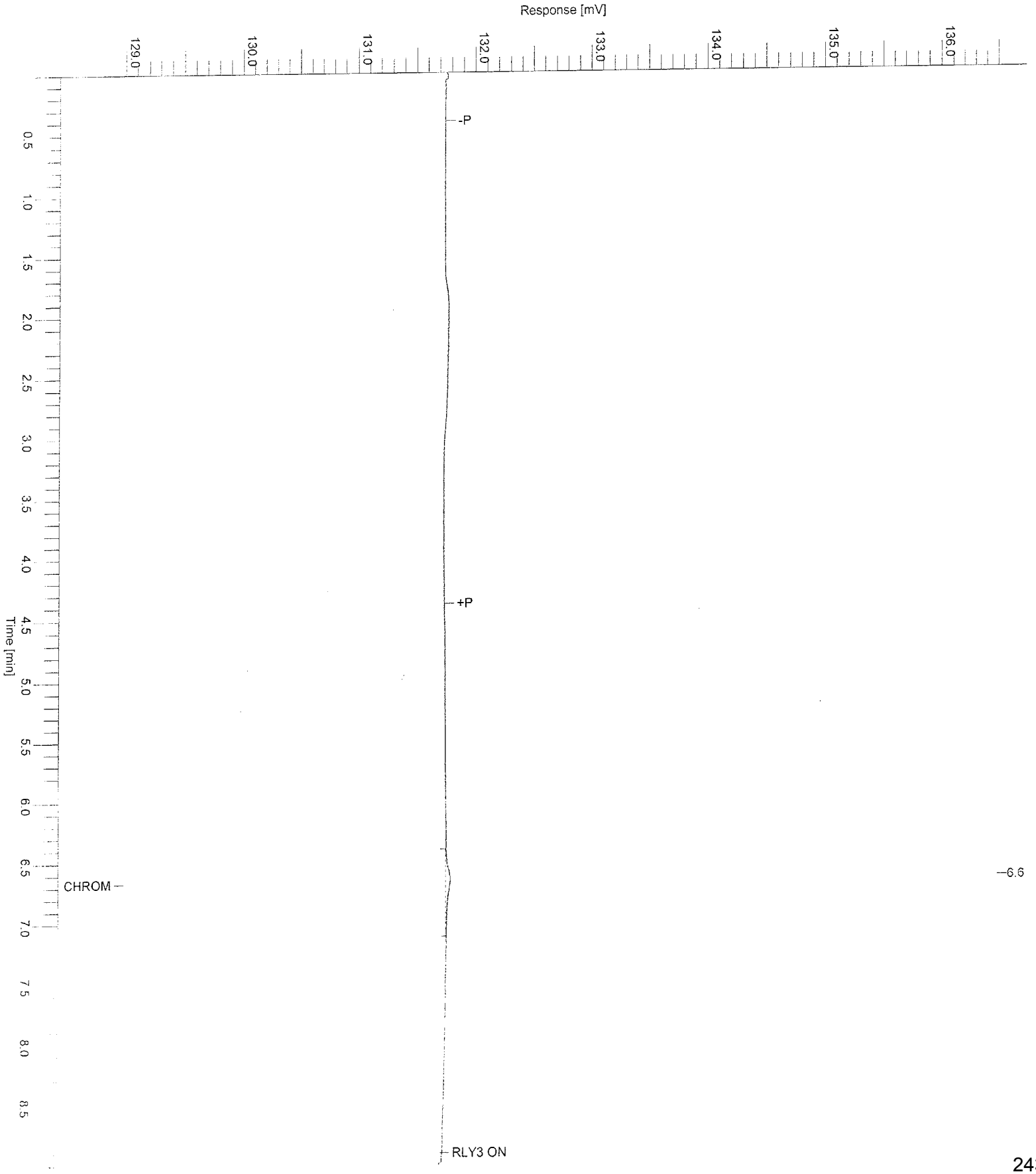
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.671	chrom6	777.90	43.72526	1.3251	1.3251	*
			777.90	43.72526	1.3251	1.3251	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709020.TX0

Chromatogram

Sample Name : IQG0607-03 Sample #: 7G09092 Page 1 of 1
FileName : h:\data\ic4\20070709\20070709020.raw
Date : 7/9/2007 10:09:19 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 10:00:04 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	: 7/9/2007 10:24:36 PM
Reprocess Number	: ic2: 90162		
Operator	: inorg	Sample Name	: IQG0607-04
Sample Number	: 7G09092	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	: 7/9/2007 10:15:02 PM	Cycle	: 21

Raw Data File : h:\data\ic4\20070709\20070709021.raw
Result File : h:\data\ic4\20070709\20070709021.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709021.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709021.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709021.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

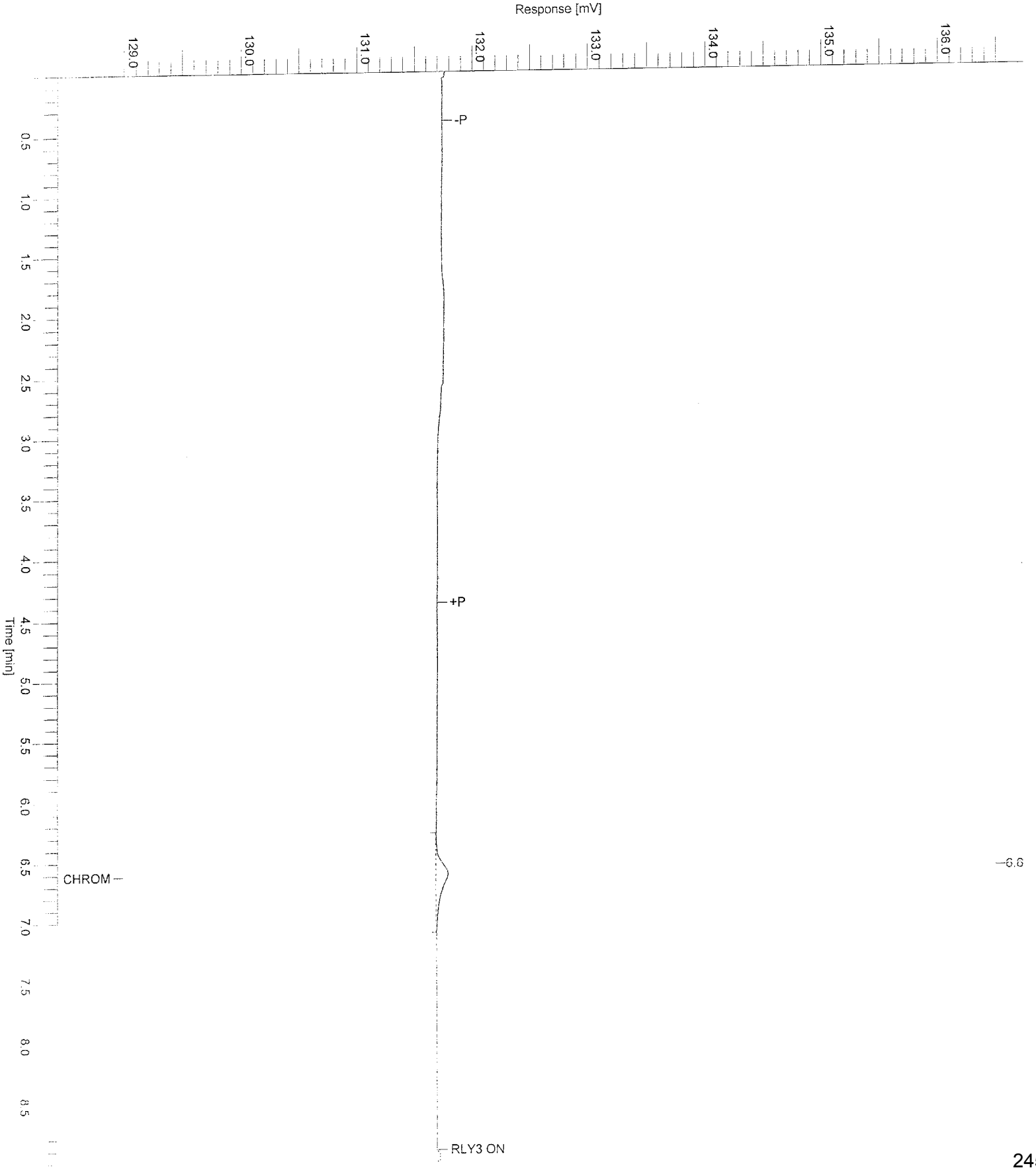
Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.621	chrom6	1822.40	106.69665	3.2993	3.2993	*
			1822.40	106.69665	3.2993	3.2993	

* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709021.TX0

Chromatogram

Sample Name : IQG0607-04 Sample #: 7G09092
FileName : h:\data\ic4\20070709\20070709021.raw
Date : 7/9/2007 10:24:42 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 10:15:02 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	: 7/9/2007 10:35:26 PM
Reprocess Number	: ic2: 90164		
Operator	: inorg	Sample Name	: IQG0607-05
Sample Number	: 7G09092	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	: 7/9/2007 10:26:11 PM	Cycle	: 22

Raw Data File : h:\data\ic4\20070709\20070709022.raw
Result File : h:\data\ic4\20070709\20070709022.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709022.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709022.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709022.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	6.637	chrom6	2119.20	108.47917	3.3552	3.3552	*
			2119.20	108.47917	3.3552	3.3552	

* Warning -- uncalibrated levels encountered

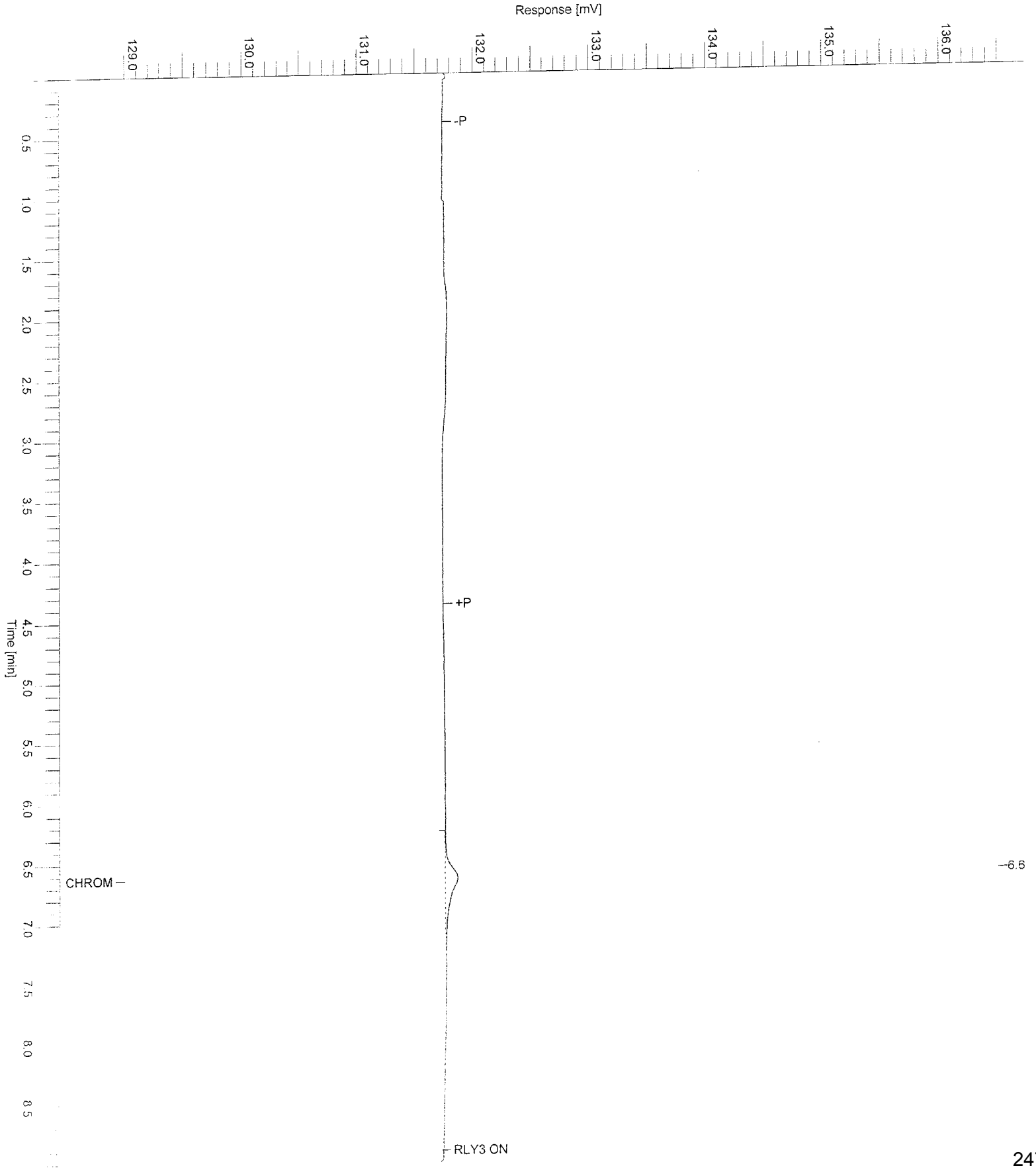
Report stored in ASCII file: h:\data\ic4\20070709\20070709022.TX0

Chromatogram

Sample Name : IQG0607-05
FileName : h:\data\ic4\20070709\20070709022.raw
Date : 7/9/2007 10:35:28 PM
Method : chr6qd30.mth
Start Time : 0.00 min
Plot Offset: 129.00 mV

Sample #: 7G09092

Time of Injection: 7/9/2007 10:26:11 PM
End Time : 9.00 min
Low Point : 129.00 mV
High Point : 136.50 mV
Plot Scale: 7.5 mV



Software Version	: 6.2.1.0.106:0106	Date	: 7/9/2007 11:05:17 PM
Reprocess Number	: ic2: 90167		
Operator	: inorg	Sample Name	: CCV
Sample Number	: 7G09092	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	: 7/9/2007 10:56:06 PM	Cycle	: 23

Raw Data File : h:\data\ic4\20070709\20070709023.raw
Result File : h:\data\ic4\20070709\20070709023.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709023.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709023.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709023.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

CHROM6

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Raw Amount	Adjusted Amount	Cal. Range
1	7.264	chrom6	27712.95	1.602e+03	50.1876	50.1876	*
			27712.95	1.602e+03	50.1876	50.1876	

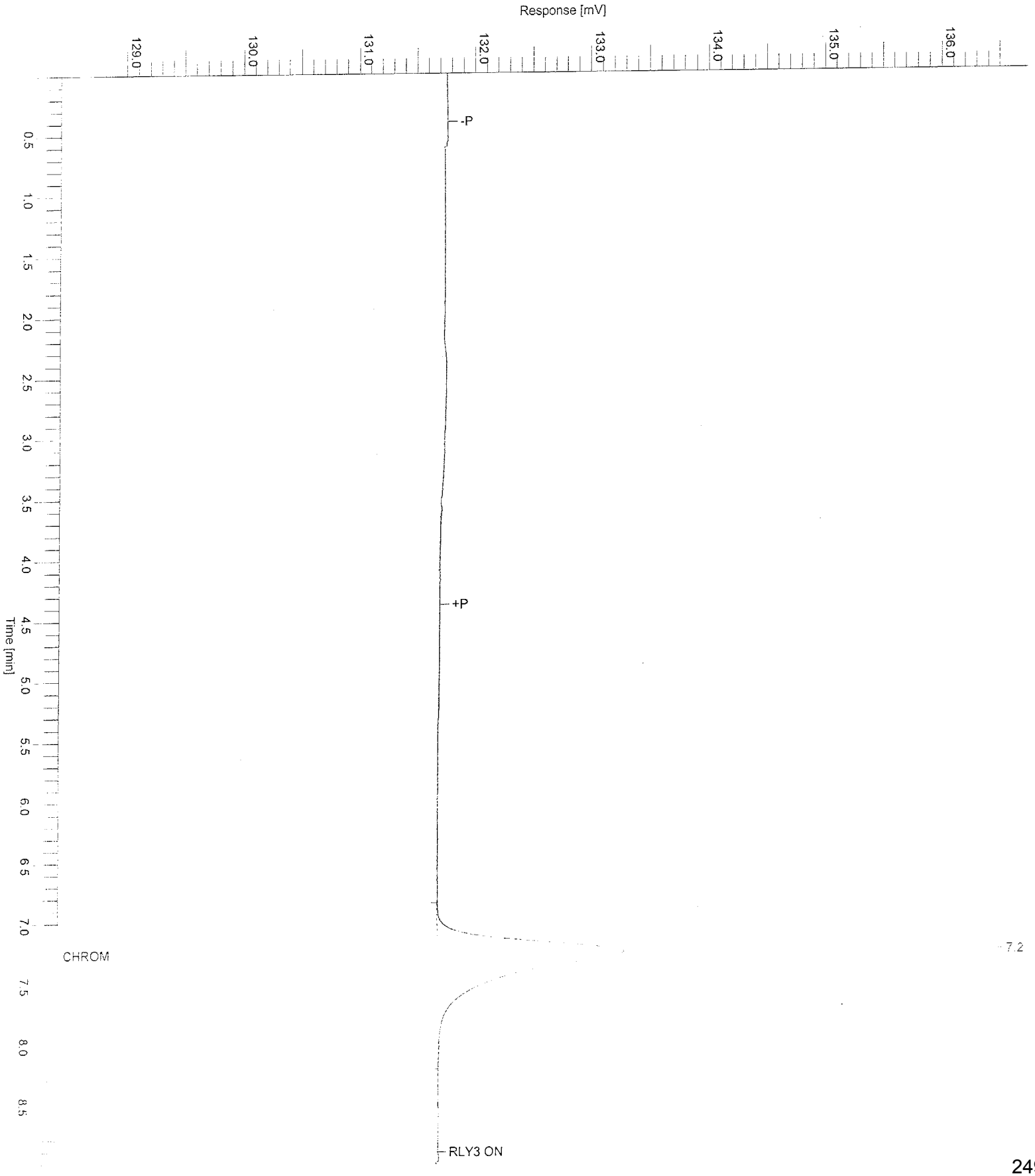
* Warning -- uncalibrated levels encountered

Report stored in ASCII file: h:\data\ic4\20070709\20070709023.TX0

Chromatogram

Sample Name : CCV
Sample #: 7G09092

FileName : h:\data\ic4\20070709\20070709023.raw
Date : 7/9/2007 11:05:18 PM
Method : chr6qd30.mth
Time of Injection: 7/9/2007 10:56:06 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	: 7/9/2007 11:16:32 PM
Reprocess Number	: ic2: 90168		
Operator	: inorg	Sample Name	: CCB
Sample Number	: 7G09092	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	: 7/9/2007 11:07:15 PM	Cycle	: 24

Raw Data File : h:\data\ic4\20070709\20070709024.raw
Result File : h:\data\ic4\20070709\20070709024.rst
Inst Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709024.raw
Proc Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709024.rst
Calib Method : h:\data\ic4\chr6qd30 from h:\data\ic4\20070709\20070709024.rst
Report Format File: h:\data\ic4\chrom6w.rpt
Sequence File : H:\DATA\IC4\20070709\20070709.seq

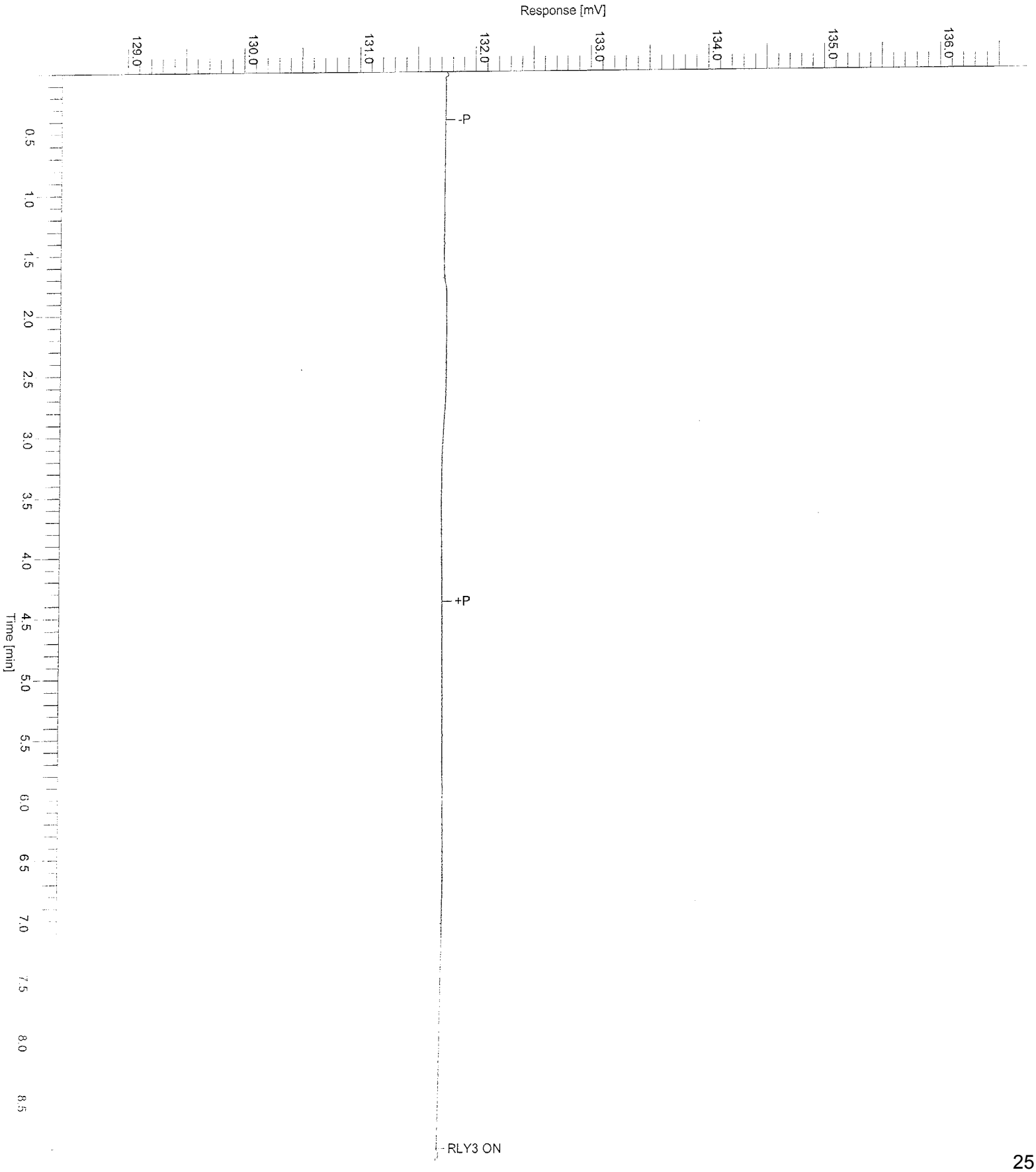
CHROM6

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\20070709\20070709024.TX0

Chromatogram

Sample Name : CCB Sample #: 7G09092 Page 1 of 1
FileName : h:\data\ic4\20070709\20070709024.raw
Date : 7/9/2007 11:16:34 PM
Method : chr6qd30.mth Time of Injection: 7/9/2007 11:07:15 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

THE LEADER IN ENVIRONMENTAL TESTING

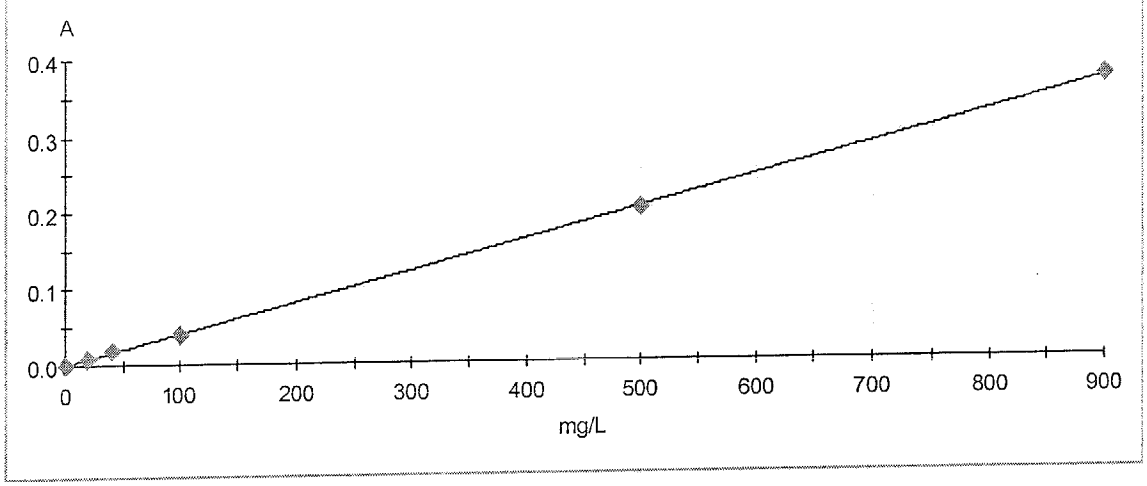
QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

GENERAL CHEMISTRY LABORATORY RAW DATA

- RUN LOG
- QUANTITATION REPORTS

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

Method:	COD071107.mqa
Last modified:	7/11/2007 8:01:27 PM by inorg/GENESYS
Spectrophotometer:	GENESYS 20
Serial number:	- - -
Firmware:	2.10
Measured:	7/11/2007 8:09:35 PM by inorg/GENESYS



Curve parameters: y = 4.077221E-04 x -7.577431E-04
Residual error: 0.0015 Correlation coefficient: 0.99996

Standard Data

No.	Concentration [mg/L]	A	Error [A]	Used
1	0	0.000	0.001	Yes
2	20	0.008	0.000	Yes
3	40	0.016	0.001	Yes
4	100	0.039	-0.001	Yes
5	500	0.201	-0.002	Yes
6	900	0.368	0.001	Yes

ICV/CCV 7050460
LCS/MS/MSD 7050459

PREPARATION BENCH SHEET

7G11103

TestAmerica - Irvine, CA

Printed: 7/11/2007 2:02:07PM

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
7G11103-BLK1		QC	07/11/07 13:59	2.5	2.5			0		0					
7G11103-BS1		QC	07/11/07 13:59	2.5	2.5		7050459	1250		100					
7G11103-DUP1		QC	07/11/07 13:59	2.5	2.5	IQG0792-01		0		0					
7G11103-MS1		QC	07/11/07 13:59	2.5	2.5	IQG0792-01	7050459	1250		100					
7G11103-MSD1		QC	07/11/07 13:59	2.5	2.5	IQG0792-01	7050459	1250		100					
IQG0607-01	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0607-02	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0607-03	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0607-04	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0607-05	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0660-01	A	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0674-01	C	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0689-01	B	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0718-01	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0718-02	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0718-03	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0718-04	G	COD-410.4	07/11/07 13:59	2.5	2.5										
IQG0792-01	B	COD-410.4	07/11/07 13:59	2.5	2.5										jflags MS/MSD and sample dup on this sample

Reagents used in Batch

Reagent	Description	Solvent

Spiking Witnessed By Date

Preparation Reviewed By Cc Date 7/11/07

Extracts Received By Date

Method:	COD071107.mqa
Last modified:	7/11/2007 8:01:27 PM by inorg/GENESYS
Spectrophotometer:	GENESYS 20
Serial number:	- - -
Firmware:	2.10
Measured:	7/11/2007 8:09:00 PM by inorg/GENESYS

Sample	Dilution Factor	Ordinate [A]	Concentration [mg/L]
ICV	1	0.039	97.51187
ICB	1	0.000	1.85848
BLK	1	0.001	4.31113
LCS	1	0.202	498.02978
IQG0792-01 MS	1	0.220	542.17750
IQG0792-01 MSD	1	0.222	546.59227
IQG0607-01	1	0.000	2.34901
IQG0607-02	1	0.001	4.80166
IQG0607-03	1	0.008	22.46075
IQG0607-04	1	0.004	12.40488
IQG0607-05	1	0.004	12.40488
IQG0660-01 20X	1	0.068	168.88401
IQG0674-01	1	0.206	506.36880
IQG0689-01	1	0.017	44.28934
CCV	1	0.205	505.38774
CCB	1	0.000	1.85848
IQG0718-01	1	0.005	14.12174
IQG0718-02	1	0.000	2.34901
IQG0718-03	1	0.009	22.70601
IQG0718-04	1	0.005	13.38594
IQG0792-01	1	0.039	96.28554
IQG0792-01 DUP	1	0.035	88.43706
CCV	1	0.204	501.70876
CCB	1	0.000	1.85848

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC PACKAGE: LEVEL IV
PREPARED FOR: GPL LABORATORIES
LABORATORY NUMBER: IQG0607
PROJECT: OMEGA CHEMICAL OU-2 SSID-BC
OMEGA CHEMICAL 335392.FI.01

SRL 524M-123TCP SUBCONTRACTED LABORATORY RAW DATA
(TESTAMERICA – ONTARIO, CA)

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

17461 Derian Avenue, Ste. 100 Irvine, CA 92614 **tel** 949.261.1022 **fax** 949.260.3297 **www.testamericainc.com**

IQG0607 / CQG0323
LEVEL IV DATA PACKAGE

CHAIN OF CUSTODY

SUBCONTRACT ORDER

TestAmerica - Irvine, CA

IQG0607

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: 4 °C

Ice: Y / N

CQG0323

Analysis	Due	Expires	Interlab	Surch	Comments
Sample ID: IQG0607-01	**Water**		Sampled: **07/09/07 09:08**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:08	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:08	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-02	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-03	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-04	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					
Sample ID: IQG0607-05	**Water**		Sampled: **07/09/07 09:55**		
524.2 CA 123-TCP (SIM) DM	07/18/07 12:00	07/23/07 09:55	$110.00	0%	
Level 4 + EDD-Colton - Out	07/18/07 12:00	08/06/07 09:55	$0.00	0%	included in price
Containers Supplied:					
40 mL VOA w/HCL (A) 40 mL VOA w/HCL (B) 40 mL VOA w/HCL (C)					

Released By	7/10/07 0815 Date/Time	Received By	7/10/07 0815 Date/Time
Released By	7/10/07 1326 Date/Time	Received By	7/10/07 1326 Date/Time

IQG0607 / CQG0323
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
IQG0607

Sampled: 07/09/07
Received: 07/10/07
Revised: 07/19/07 07:04

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 4°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. J flags removed per Trevors request

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
CQG0323-01	IQG0607-01 (OC2-MW24D-W-0-577)	Water
CQG0323-02	IQG0607-02 (OC2-MW24C-W-0-578)	Water
CQG0323-03	IQG0607-03 (OC2-MW24B-W-0-579)	Water
CQG0323-04	IQG0607-04 (OC2-MW24A-W-0-580)	Water
CQG0323-05	IQG0607-05 (OC2-MW24A-W-1-581)	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
IQG0607
Report Number: CQG0323

Sampled: 07/09/07
Received: 07/10/07

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: CQG0323-01 (IQG0607-01 (OC2-MW24D-W-0-577) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1202	N/A	5.0	ND	1	07/12/07	07/12/07	
Sample ID: CQG0323-02 (IQG0607-02 (OC2-MW24C-W-0-578) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1202	N/A	5.0	ND	1	07/12/07	07/12/07	
Sample ID: CQG0323-03 (IQG0607-03 (OC2-MW24B-W-0-579) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	
Sample ID: CQG0323-04 (IQG0607-04 (OC2-MW24A-W-0-580) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	
Sample ID: CQG0323-05 (IQG0607-05 (OC2-MW24A-W-1-581) - Water)									
Reporting Units: ng/L									
1,2,3-Trichloropropane (123-TCP)	SRL 524M-123TCP	C7G1605	N/A	5.0	ND	1	07/16/07	07/16/07	

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
IQG0607
Report Number: CQG0323

Sampled: 07/09/07
Received: 07/10/07

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: C7G1202 Extracted: 07/12/07											
Blank Analyzed: 07/12/2007 (C7G1202-BLK1)											
1,2,3-Trichloropropane (123-TCP)	ND	5.0	N/A	ng/L							
LCS Analyzed: 07/12/2007 (C7G1202-BS1)											
1,2,3-Trichloropropane (123-TCP)	4.66	5.0	N/A	ng/L	5.00		93	80-120			
Matrix Spike Analyzed: 07/12/2007 (C7G1202-MS1)						**Source: CQG0050-01**					
1,2,3-Trichloropropane (123-TCP)	54.3	5.0	N/A	ng/L	50.0	9.74	89	52-135			
Matrix Spike Dup Analyzed: 07/12/2007 (C7G1202-MSD1)						**Source: CQG0050-01**					
1,2,3-Trichloropropane (123-TCP)	57.5	5.0	N/A	ng/L	50.0	9.74	96	52-135	6	27	
Batch: C7G1605 Extracted: 07/16/07											
Blank Analyzed: 07/16/2007 (C7G1605-BLK1)											
1,2,3-Trichloropropane (123-TCP)	ND	5.0	N/A	ng/L							
LCS Analyzed: 07/16/2007 (C7G1605-BS1)											
1,2,3-Trichloropropane (123-TCP)	4.99	5.0	N/A	ng/L	5.00		100	80-120			
Matrix Spike Analyzed: 07/16/2007 (C7G1605-MS1)						**Source: CQG0323-04**					
1,2,3-Trichloropropane (123-TCP)	42.5	5.0	N/A	ng/L	50.0	ND	85	52-135			
Matrix Spike Dup Analyzed: 07/16/2007 (C7G1605-MSD1)						**Source: CQG0323-04**					
1,2,3-Trichloropropane (123-TCP)	46.9	5.0	N/A	ng/L	50.0	ND	94	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 IQG0607 Report Number: CQG0323	Sampled: 07/09/07 Received: 07/10/07

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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TestAmerica
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		IQG0607	Sampled: 07/09/07
Irvine, CA 92614	Report Number:	CQG0323	Received: 07/10/07
Attention: Trevor Brenner			

Certification Summary

TestAmerica - Ontario, CA

Method	Matrix	Nelac	California
Level 4	Water		
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.

IQG0607 / CQG0323
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

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

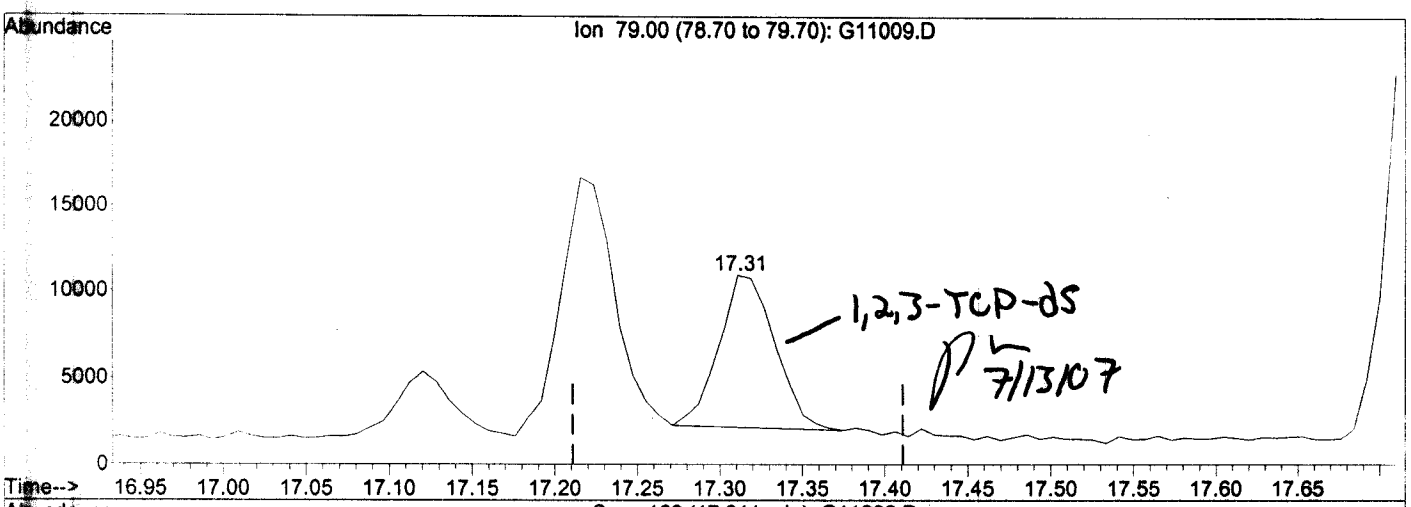
Quantitation Report (Qedit)

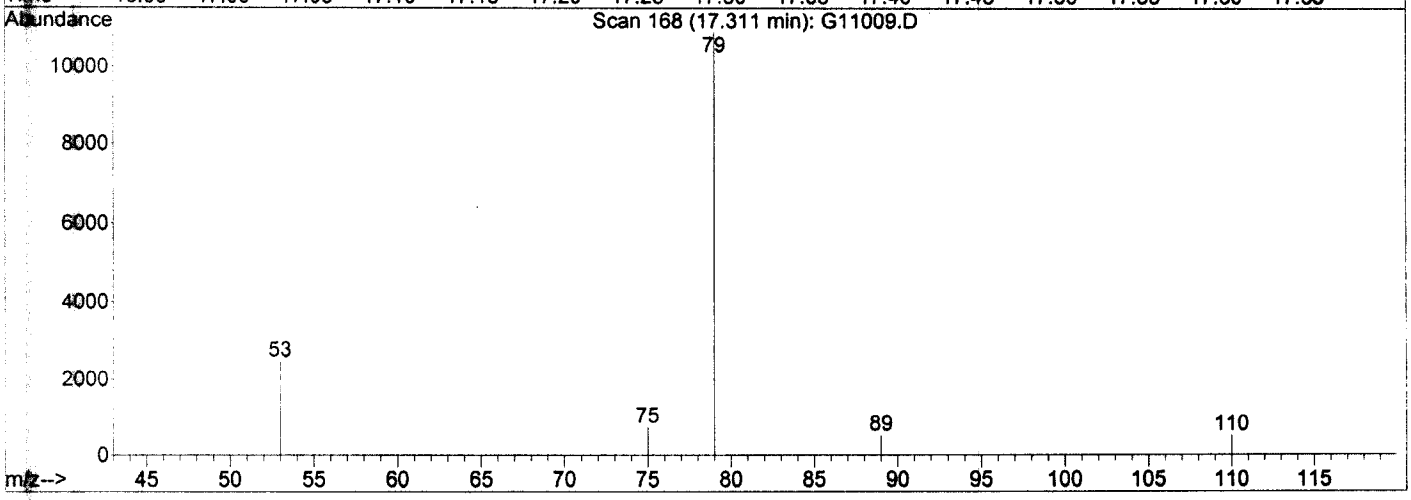
Data File : C:\DATA\07JUL11\G11009.D
Acq On : 11 Jul 2007 6:55 pm
Sample : Xylene RT
Misc : 25mL w/ #7070019
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:40 2007

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

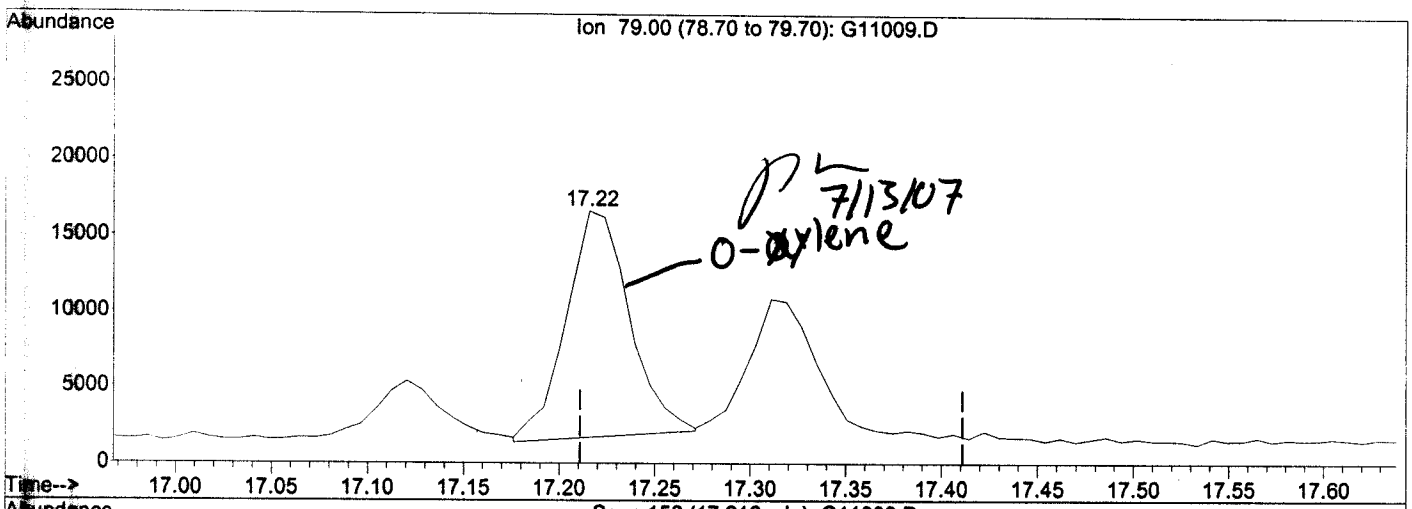
Quantitation Report (Qedit)

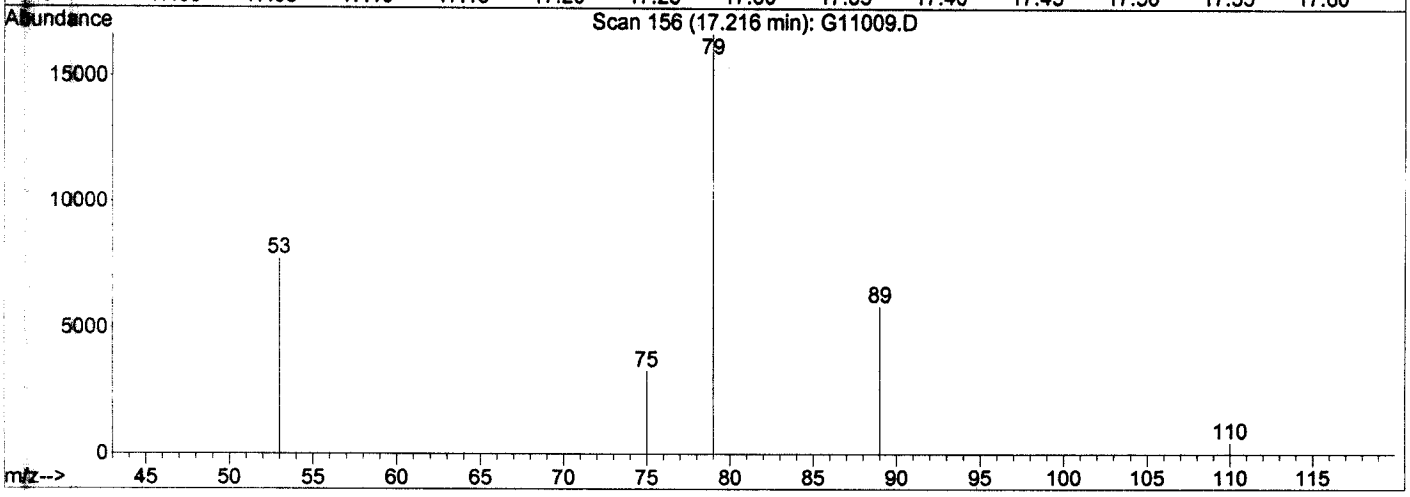
Data File : C:\DATA\07JUL11\G11009.D
Acq On : 11 Jul 2007 6:55 pm
Sample : Xylene RT
Misc : 25mL w/ #7070019
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:40 2007

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

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
G11011.D 123-TCP071107.M Thu Jul 12 16:39:17 2007

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

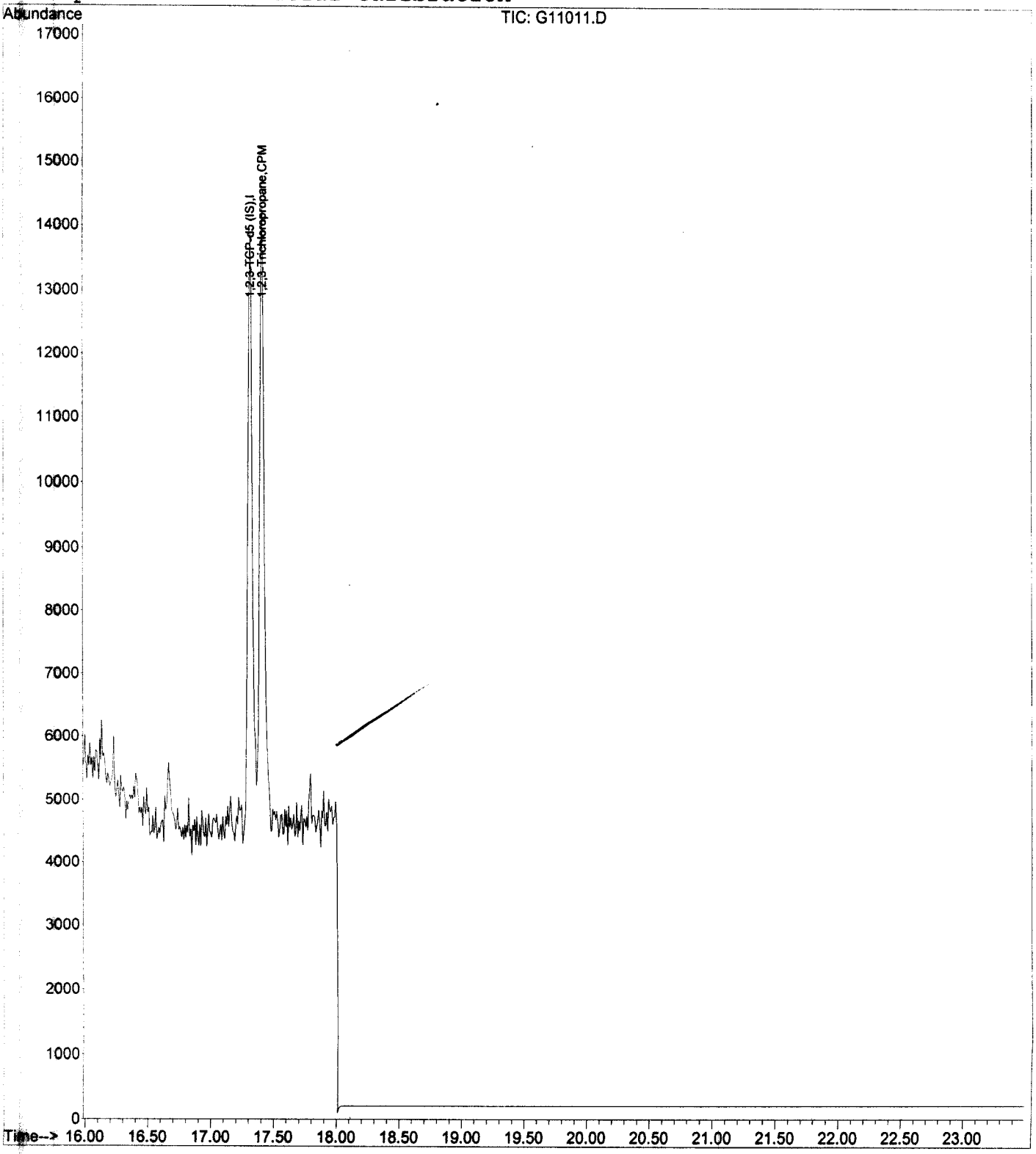
Quantitation Report (Not Reviewed)

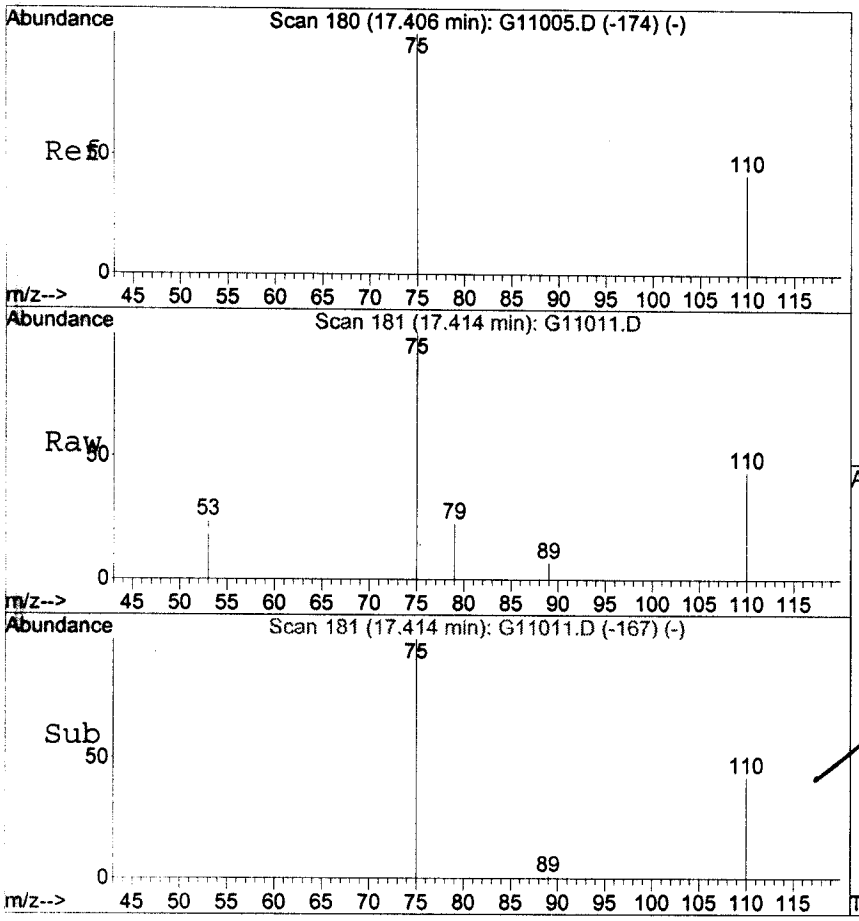
Data File : C:\DATA\07JUL11\G11011.D
Acq On : 11 Jul 2007 8:00 pm
Sample : CCV - Second Source
Misc : 25mL w/ QCS #7060085
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

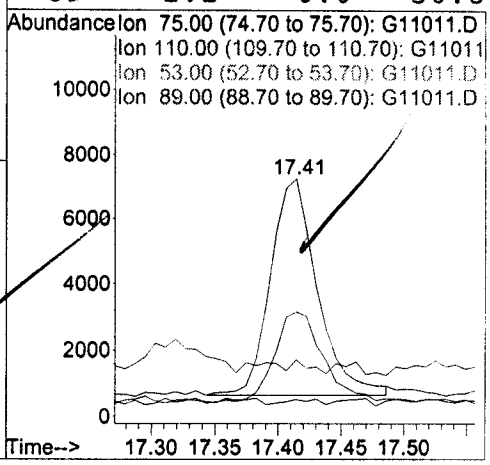




#2
1,2,3-Trichloropropane
Concen: 44.22 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11011.D
Acq: 11 Jul 2007 8:00 pm

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



IQG0607 / CQG0323
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

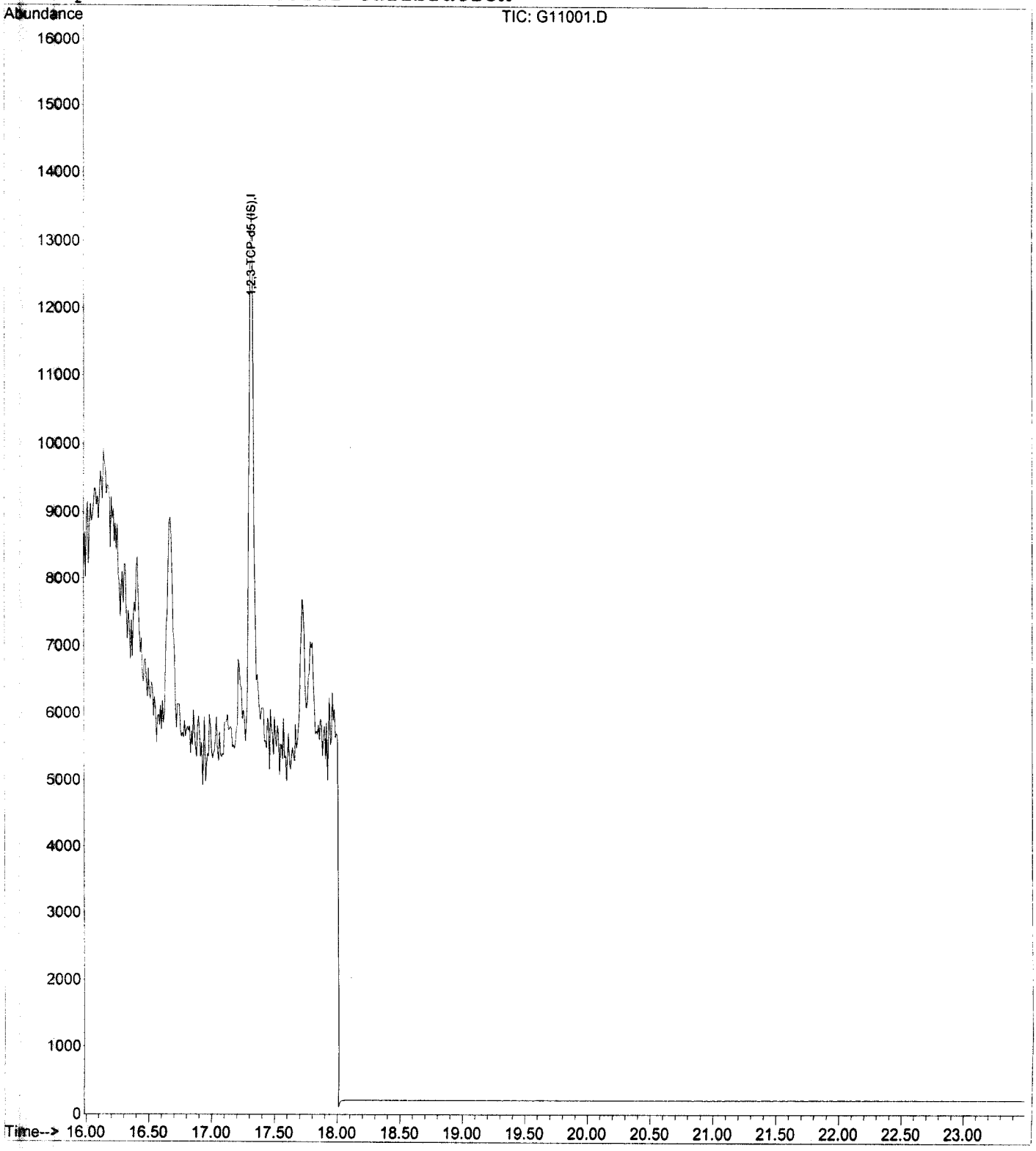
Quantitation Report (Not Reviewed)

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

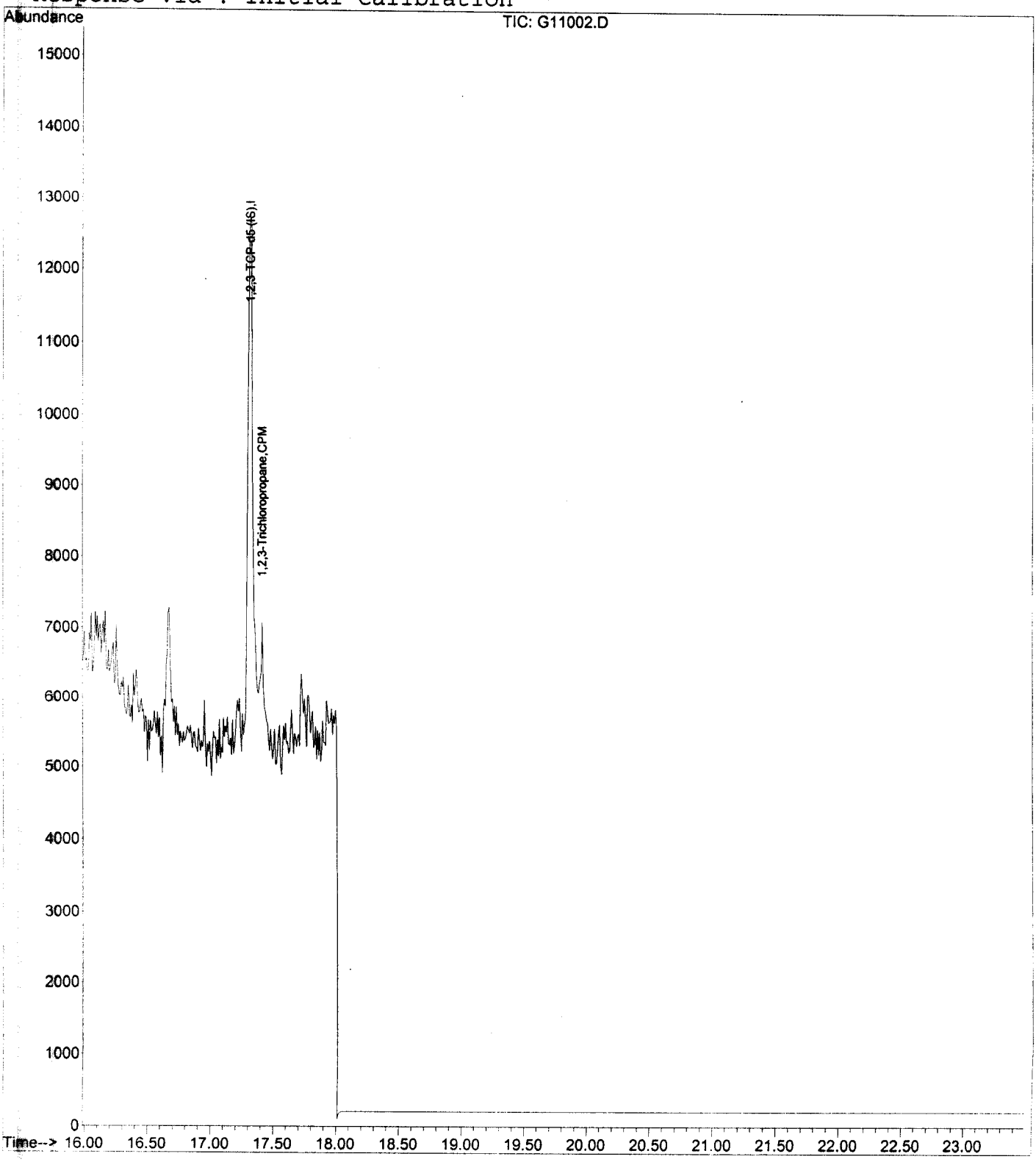
Quantitation Report (Not Reviewed)

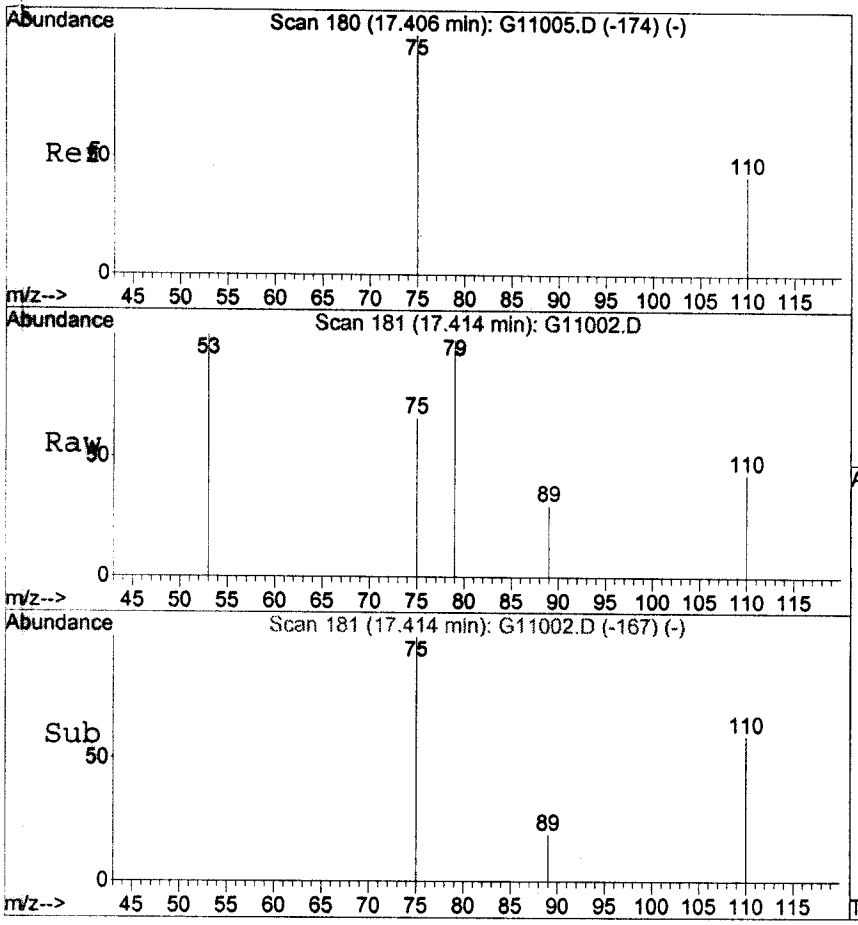
Data File : C:\DATA\07JUL11\G11002.D
Acq On : 11 Jul 2007 3:07 pm
Sample : 5ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

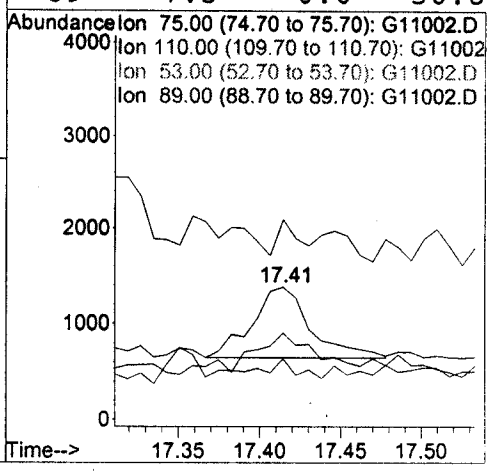




#2
1,2,3-Trichloropropane
Concen: 5.65 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11002.D
Acq: 11 Jul 2007 3:07 pm

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

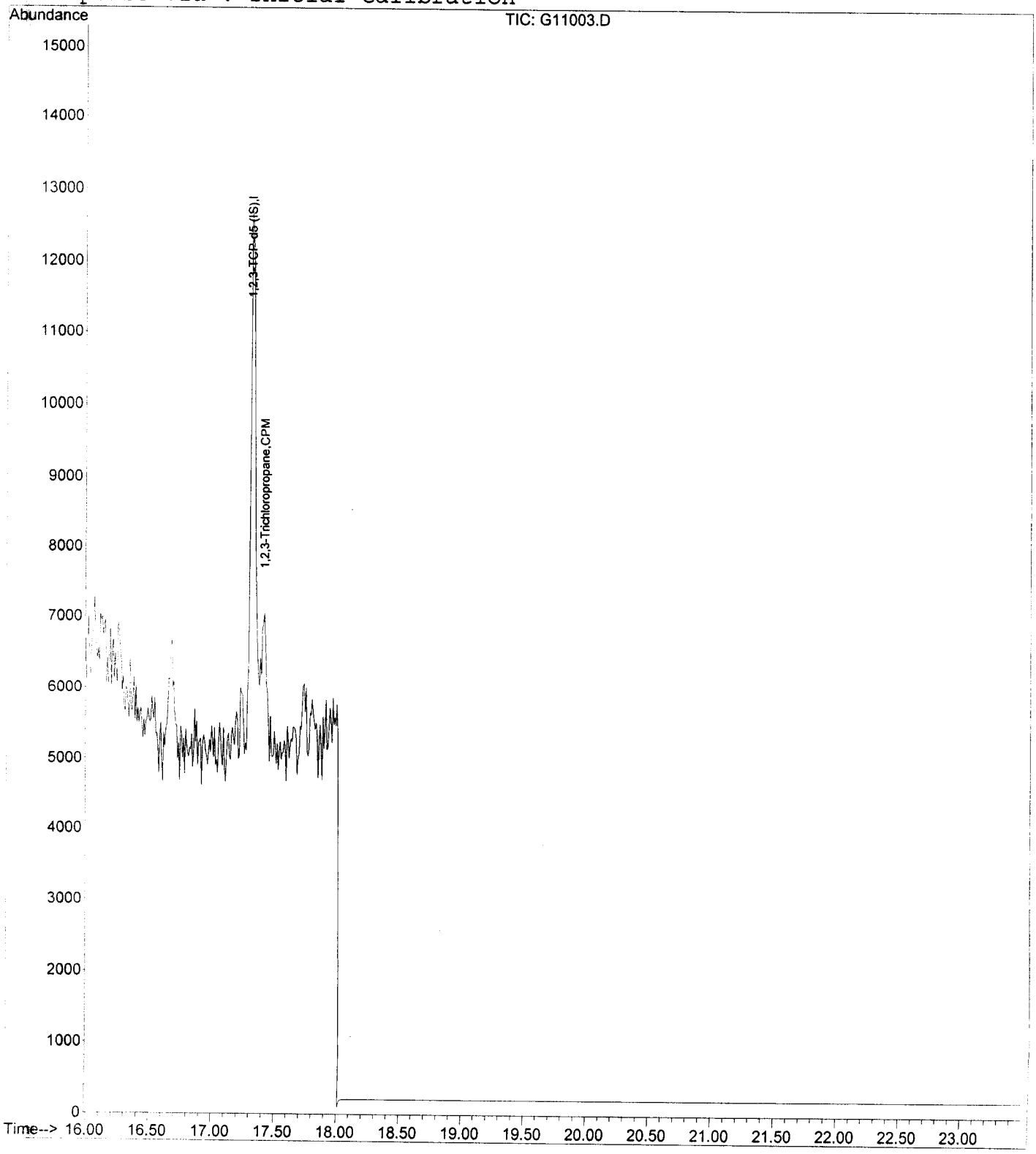
Quantitation Report (Not Reviewed)

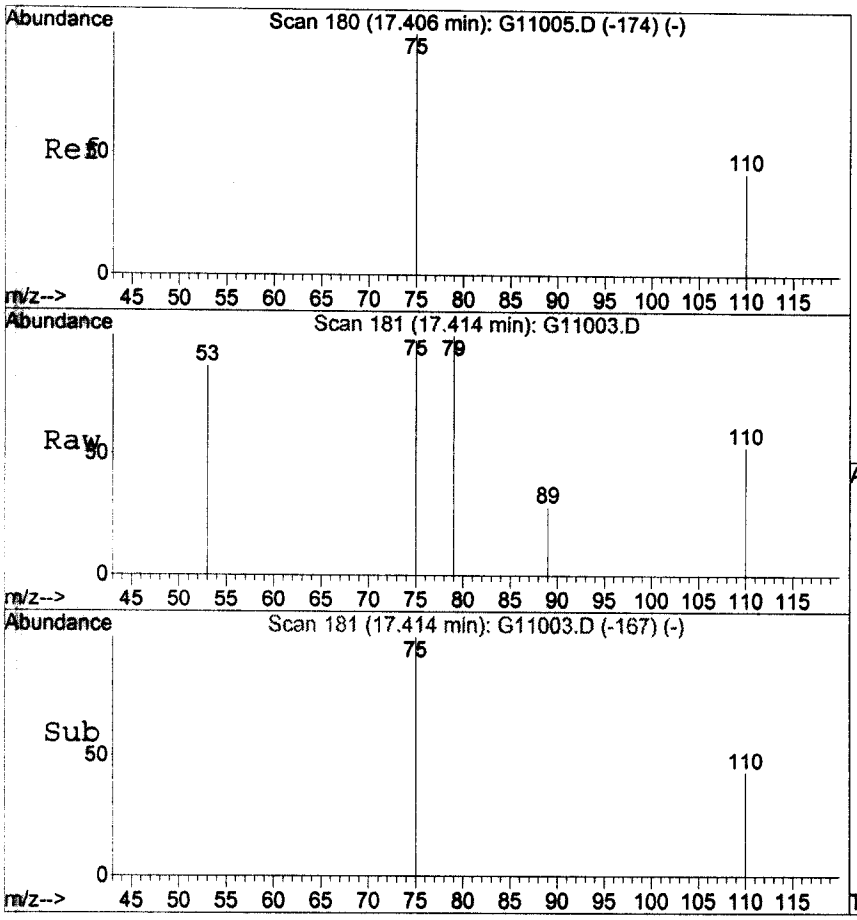
Data File : C:\DATA\07JUL11\G11003.D
Acq On : 11 Jul 2007 3:39 pm
Sample : 10ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

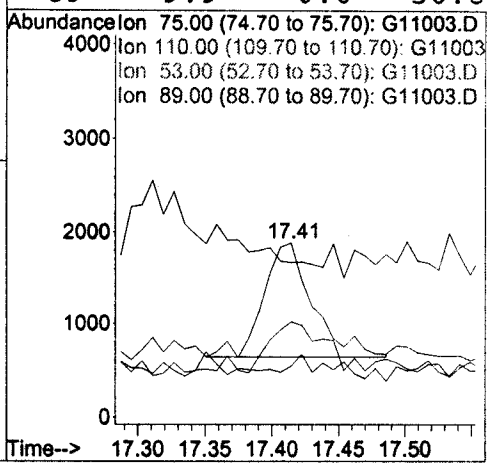




#2
1,2,3-Trichloropropane
Concen: 10.94 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G11003.D
Acq: 11 Jul 2007 3:39 pm

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

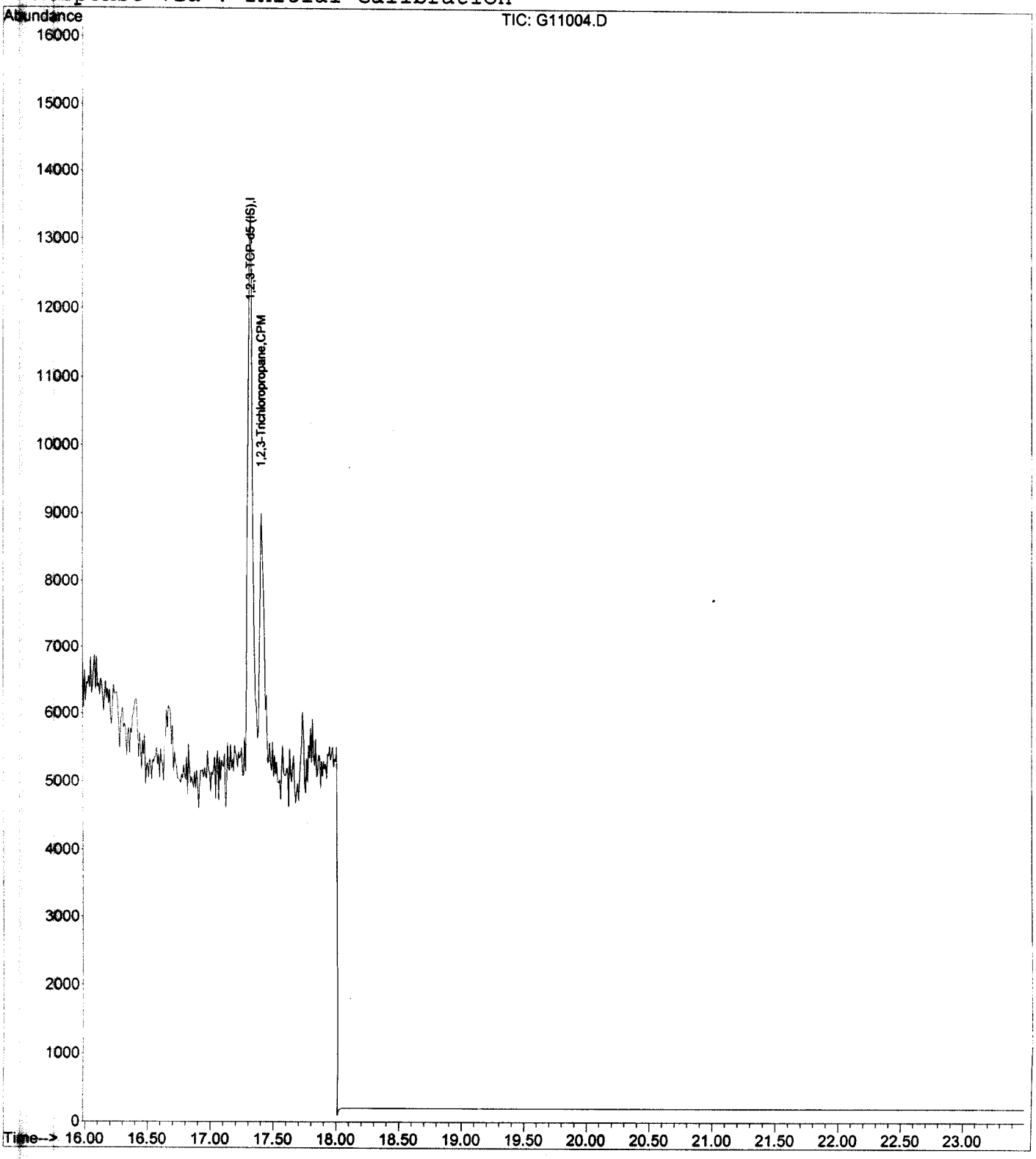
Quantitation Report (Not Reviewed)

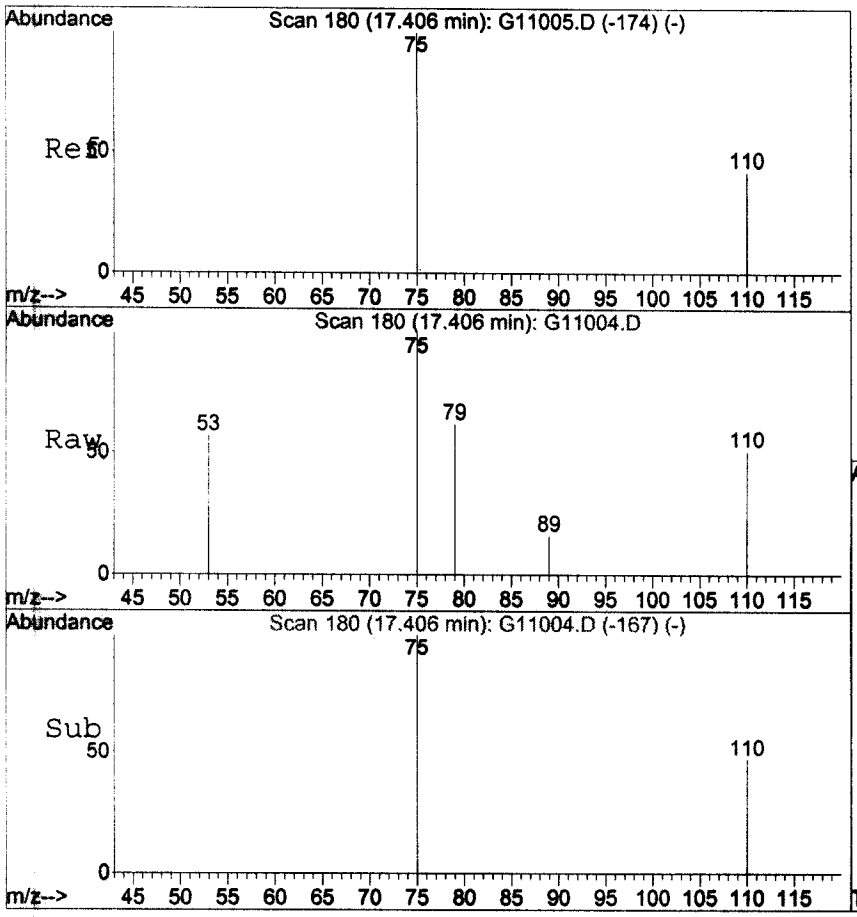
Data File : C:\DATA\07JUL11\G11004.D
Acq On : 11 Jul 2007 4:12 pm
Sample : 20ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

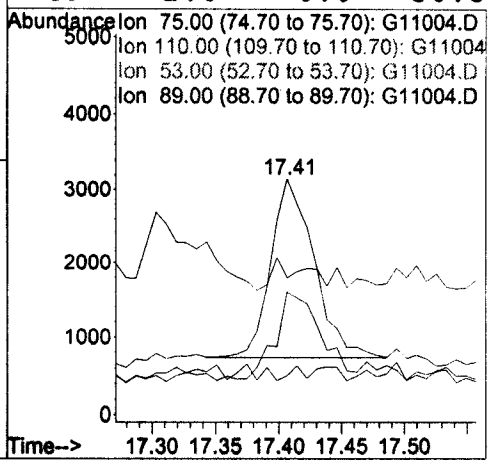




#2
1,2,3-Trichloropropane
Concen: 16.84 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11004.D
Acq: 11 Jul 2007 4:12 pm

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

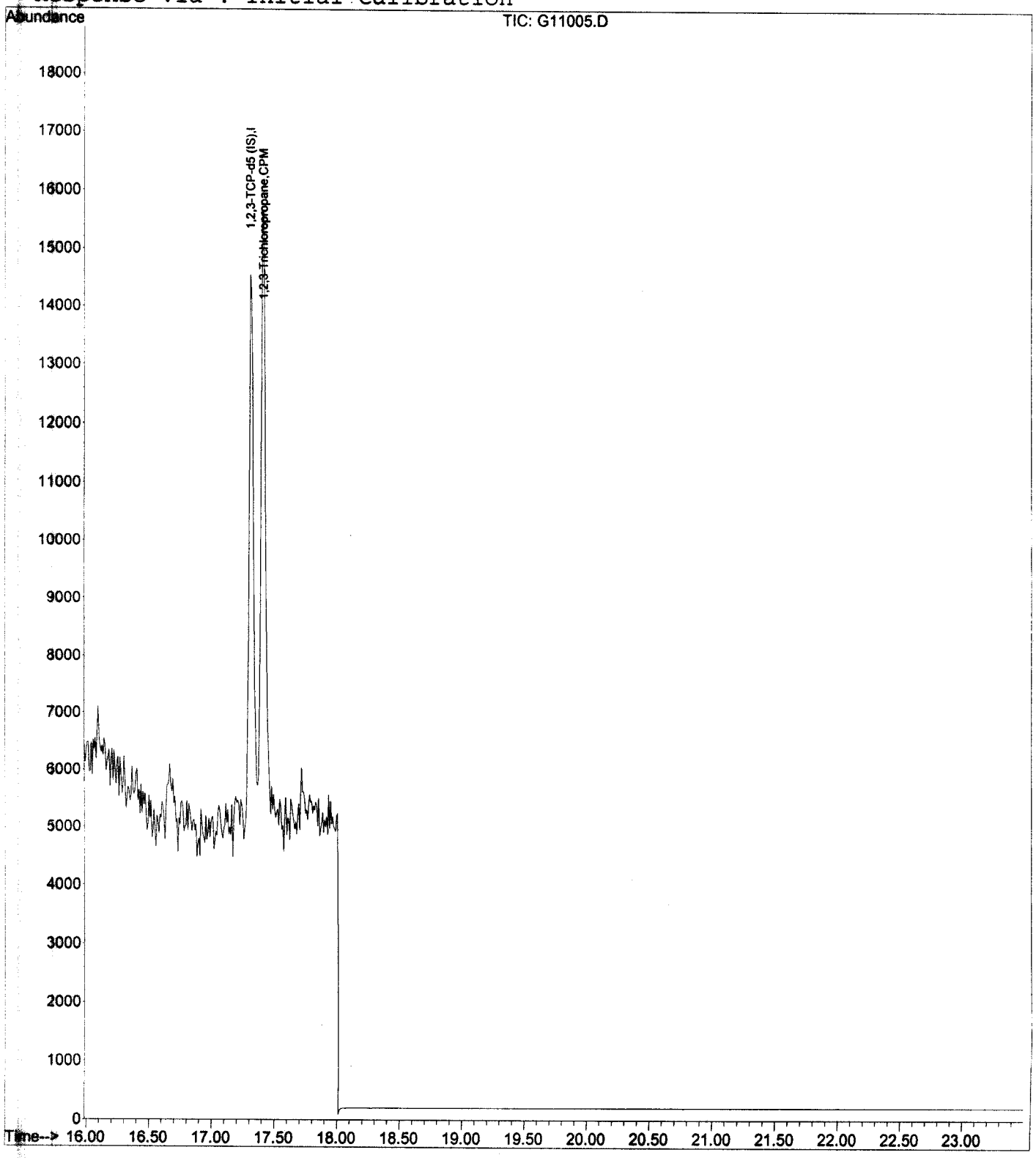
Quantitation Report (Not Reviewed)

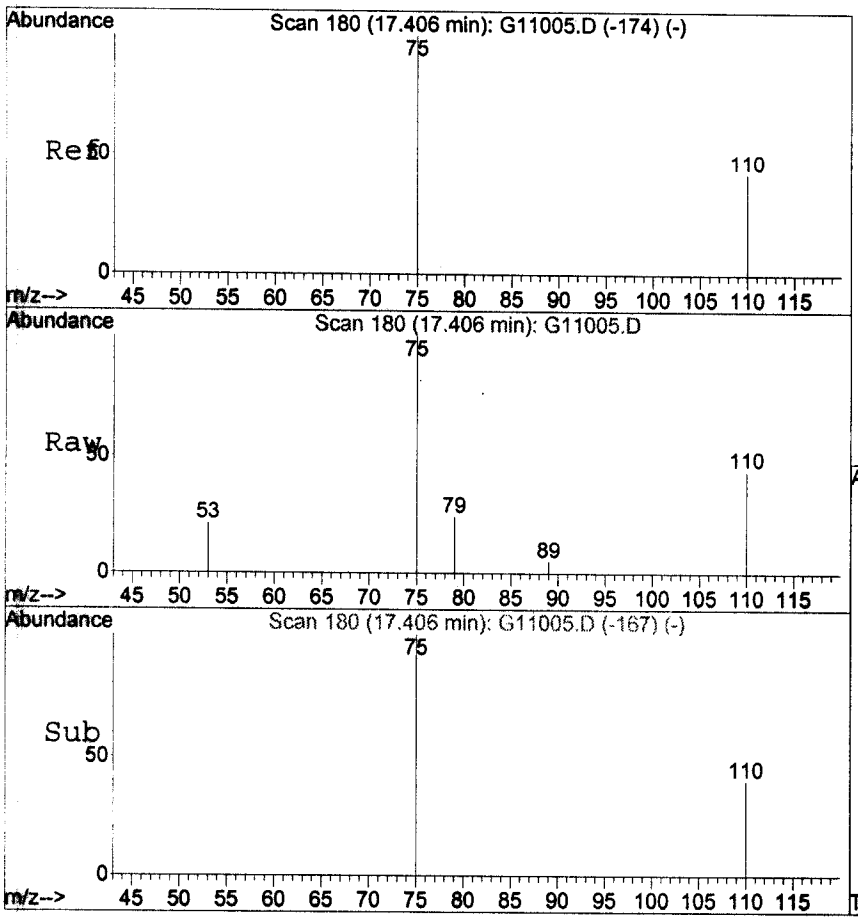
Data File : C:\DATA\07JUL11\G11005.D
Acq On : 11 Jul 2007 4:44 pm
Sample : 50ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

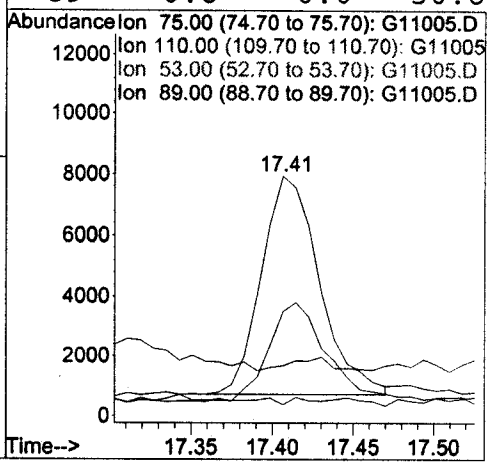




#2
1,2,3-Trichloropropane
Concen: 49.68 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11005.D
Acq: 11 Jul 2007 4:44 pm

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

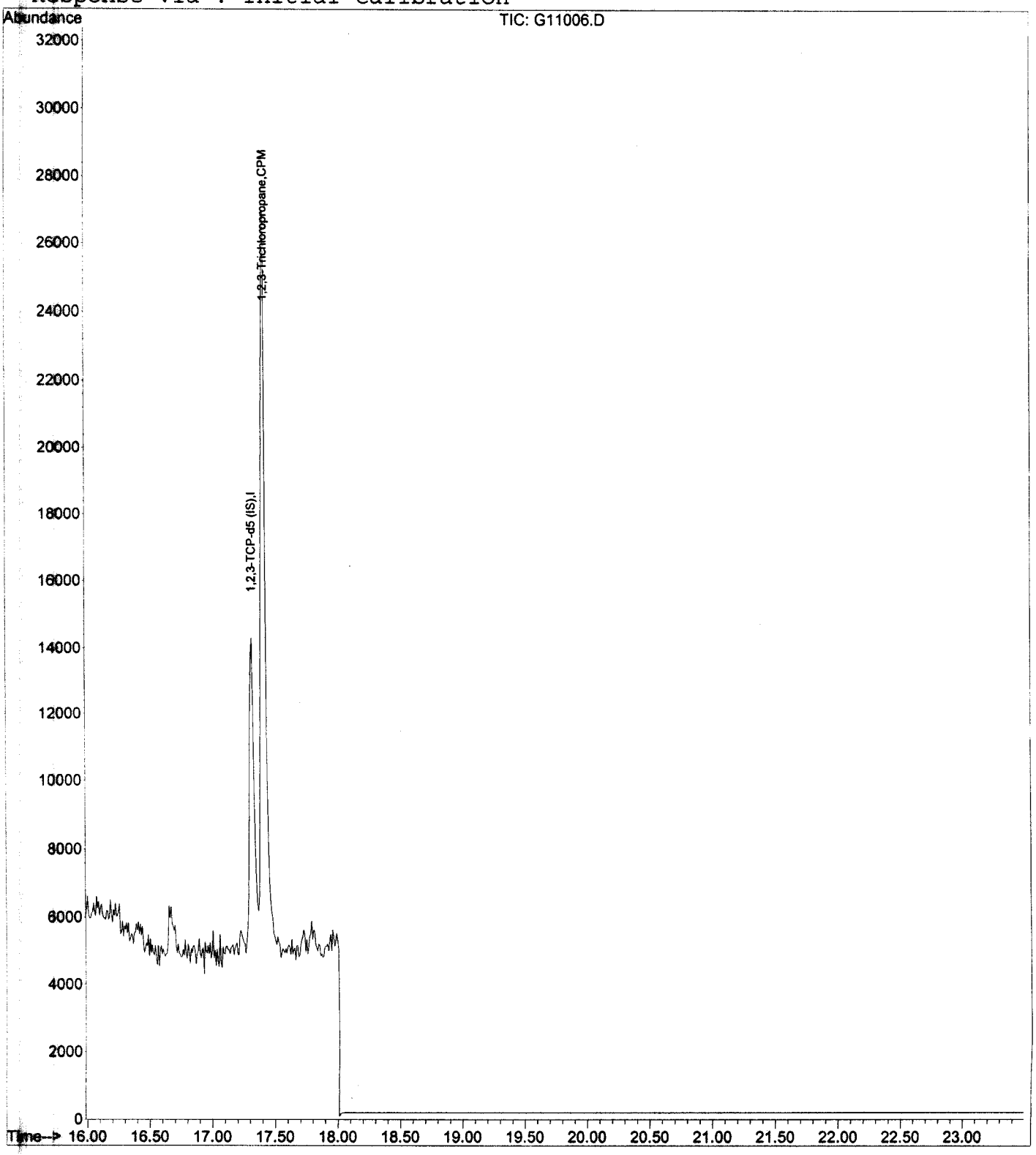
(#) = qualifier out of range (m) = manual integration (+) = signals summed

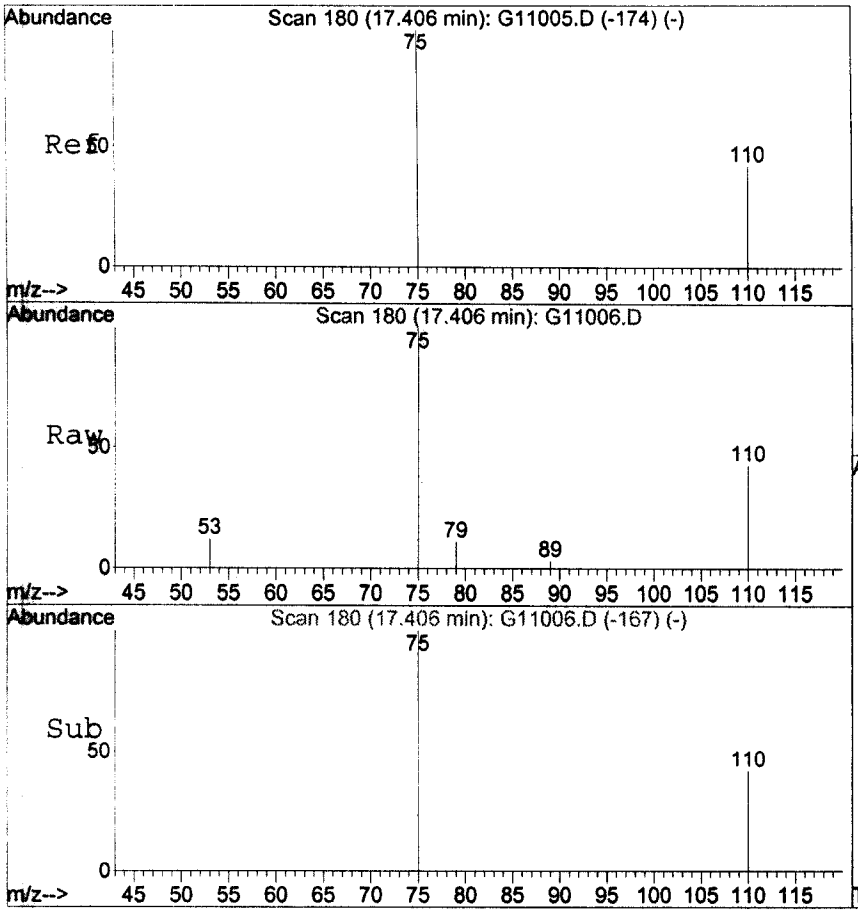
Quantitation Report (Not Reviewed)

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

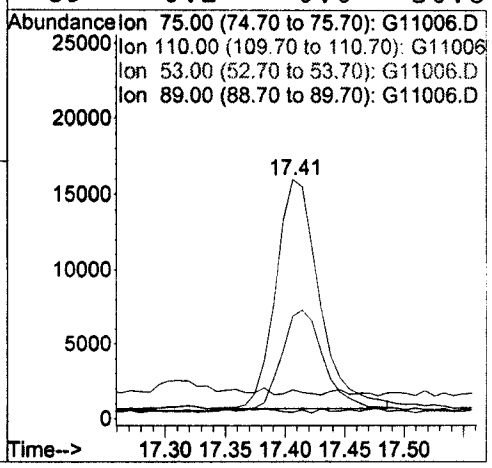




#2
1,2,3-Trichloropropane
Concen: 103.69 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G11006.D
Acq: 11 Jul 2007 5:17 pm

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

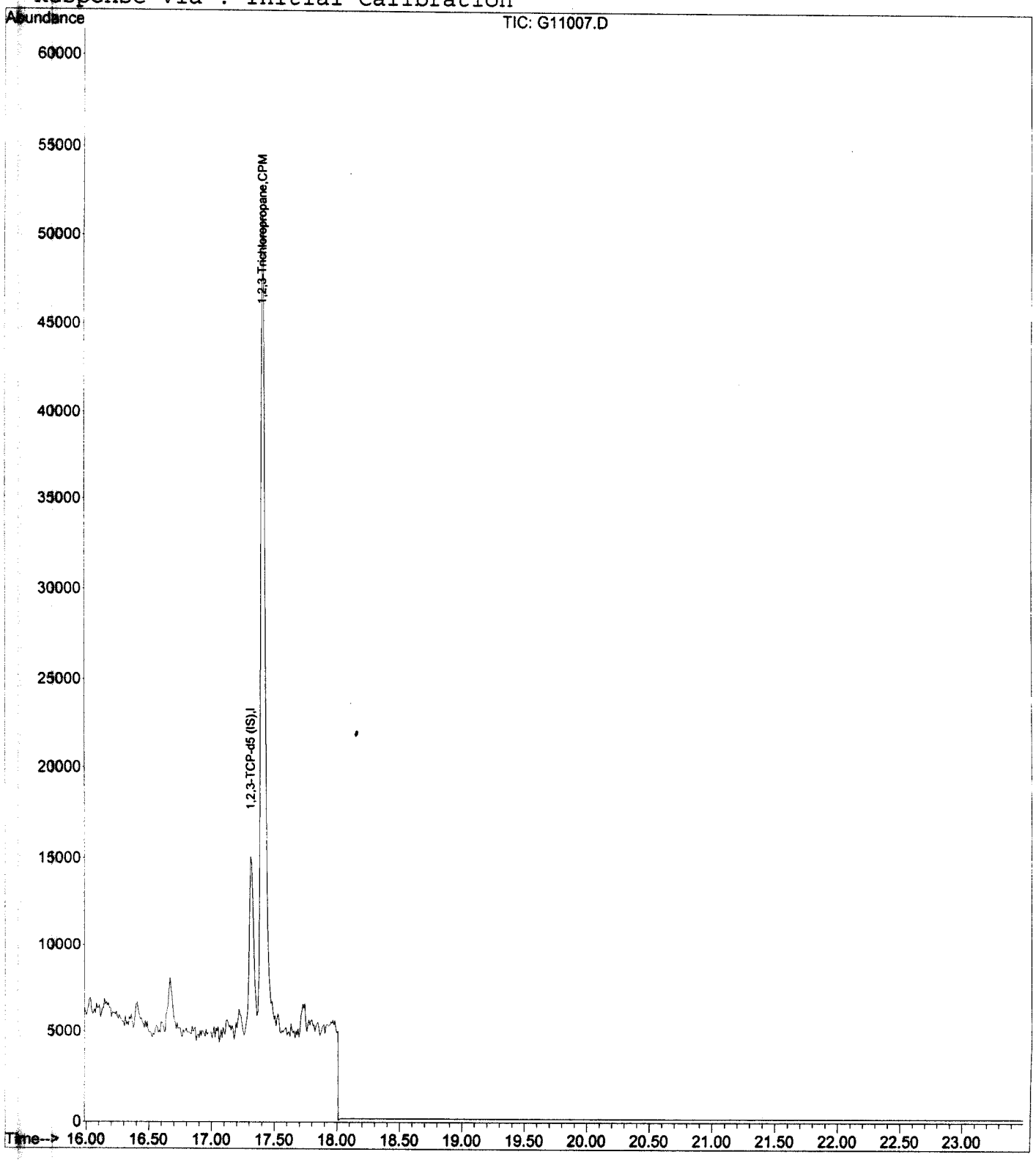
Quantitation Report (Not Reviewed)

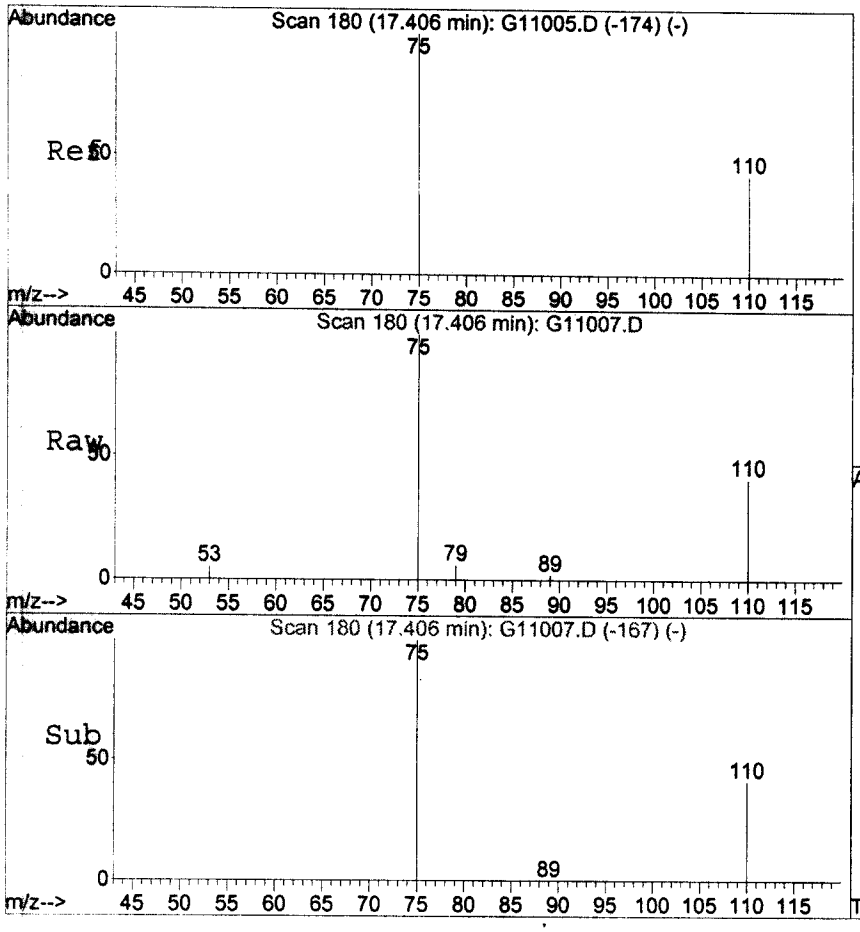
Data File : C:\DATA\07JUL11\G11007.D
Acq On : 11 Jul 2007 5:50 pm
Sample : 200ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

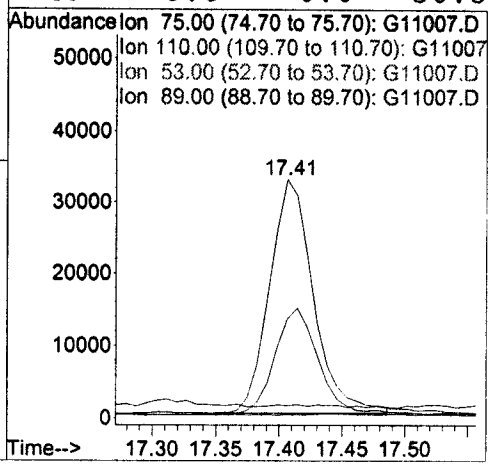




#2
1,2,3-Trichloropropane
Concen: 192.36 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G11007.D
Acq: 11 Jul 2007 5:50 pm

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

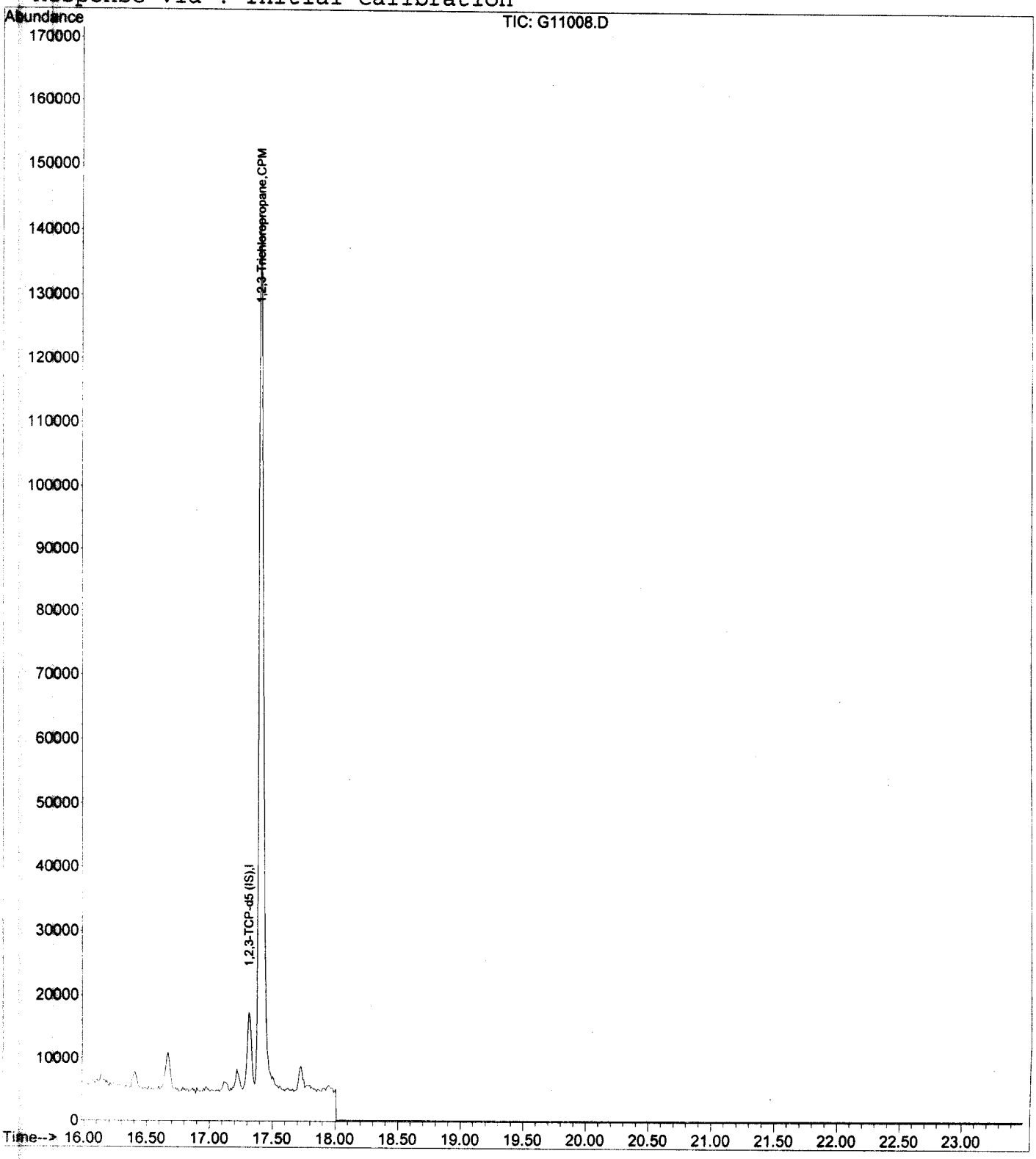
Quantitation Report (Not Reviewed)

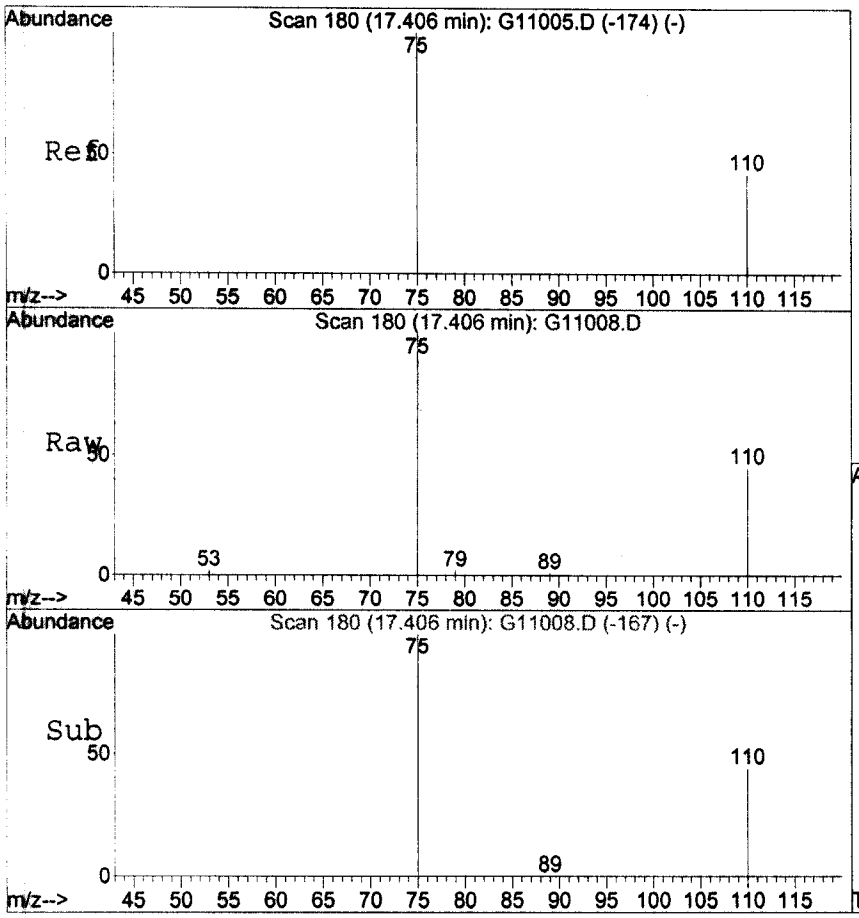
Data File : C:\DATA\07JUL11\G11008.D
Acq On : 11 Jul 2007 6:22 pm
Sample : 500ppt #7060083
Misc : 25mL Initial Cal
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:35 2007

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

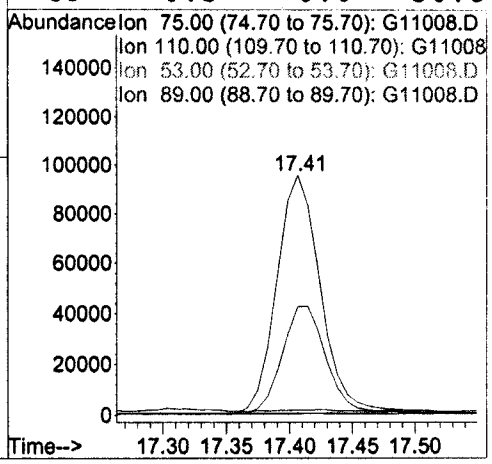




#2
1,2,3-Trichloropropane
Concen: 470.87 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G11008.D
Acq: 11 Jul 2007 6:22 pm

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)
Initial time: 3.00 min
Maximum temp: 350 'C
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

IQG0607 / CQG0323
LEVEL IV DATA PACKAGE

SRL 524M – 123 TCP
SAMPLE RAW DATA

Injection Log

Directory: C:\DATA\07JUL12

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	G12001.d	1.	Equil Rinse	25mL	12 Jul 2007 08:58
2	2	G12002.d	1.	CCV	25mL w/ 50ppt #7060083	12 Jul 2007 09:30
3	3	G12003.d	1.	C7G1202-BS1	25mL w/ 5ppt #7060083	12 Jul 2007 10:02
4	4	G12004.d	1.	CCV	25mL w/ 50ppt #7060083	12 Jul 2007 10:34
5	5	G12005.d	1.	C7G1202-BS1	25mL w/ 5ppt #7060083	12 Jul 2007 11:06
6	6	G12006.d	1.	C7G1202-BLK1	25mL w/ #7060081	12 Jul 2007 11:39
7	7	G12007.d	1.	CQF0917-01	25mL	12 Jul 2007 12:11
8	8	G12008.d	1.	C7G1202-BLK1	25mL w/ #7060081	12 Jul 2007 12:44
9	9	G12009.d	1.	CQG0050-01	25mL	12 Jul 2007 13:36
10	10	G12010.d	1.	C7G1202-MS1	25mL w/ #7060083; 050-01	12 Jul 2007 14:09
11	11	G12011.d	1.	C7G1202-MSD1	25mL w/ #7060083; 050-01	12 Jul 2007 14:42
12	12	G12012.d	1.	CQG0229-01	25mL	12 Jul 2007 15:14
13	13	G12013.d	1.	CQG0323-01	25mL	12 Jul 2007 15:47
14	14	G12014.d	1.	CQG0323-02	25mL	12 Jul 2007 16:19
15	15	G12015.d	1.	CCV	25mL w/ 50ppt #7060083	12 Jul 2007 16:52

PREPARATION BENCH SHEET

C7G1202

TestAmerica - Ontario, CA

Printed: 7/13/2007 9:47:38AM

Matrix: Water **Prepared using: GCMS-Volatiles - EPA 524.2** **Surrogate used: 7070010**

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surr	Initials	Extraction Comments
C7G1202-BLK1	QC	07/12/07 10:34	25	25			0		0	5		
C7G1202-BS1	QC	07/12/07 10:34	25	25		7060083	0.5		100	5		
C7G1202-MS1	QC	07/12/07 10:34	25	25	CQG0050-01	7060083	5		100	5		
C7G1202-MSD1	QC	07/12/07 10:34	25	25	CQG0050-01	7060083	5		100	5		
CQF0917-01	524.2 CA 1,2,3-TCP (SIM)	07/12/07 10:34	25	25						5		
CQG0050-01	524.2 CA 1,2,3-TCP (SIM)	07/12/07 10:34	25	25						5		Sub DMAC level 3
CQG0229-01	524.2 CA 1,2,3-TCP (SIM)	07/12/07 10:34	25	25						5		sub TA Ontario 524.2, jflag
CQG0323-01	524.2 CA 1,2,3-TCP (SIM)	07/12/07 10:34	25	25						5		
CQG0323-02	524.2 CA 1,2,3-TCP (SIM)	07/12/07 10:34	25	25						5		

Reagents used in Batch

Reagent	Description	Solvent

GCMS #39

Posted
7/13/07

7-13-07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Mint Miner 2.02 (70108) Directory Scan: x:\07JUL12

13 Jul 2007 15:01

No Time Travel. computer error
7-13-07

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL12\G12001.D *Original Path: x:\07JUL12\G12001.D*					
0	No Audit				
Scan File Path: x:\07JUL12\G12002.D *Original Path: C:\DATA\07JUL12\G12002.D*					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)
Scan File Path: x:\07JUL12\G12003.D *Original Path: C:\DATA\07JUL12\G12003.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-BS1 (25mL w/ 5ppt #7060083)
Scan File Path: x:\07JUL12\G12004.D *Original Path: C:\DATA\07JUL12\G12004.D*					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)
Scan File Path: x:\07JUL12\G12005.D *Original Path: C:\DATA\07JUL12\G12005.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-BS1 (25mL w/ 5ppt #7060083)
Scan File Path: x:\07JUL12\G12006.D *Original Path: C:\DATA\07JUL12\G12006.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-BLK1 (25mL w/ #7060081)
Scan File Path: x:\07JUL12\G12007.D *Original Path: C:\DATA\07JUL12\G12007.D*					
5	Scanned	QD(1)	PM	GCMS39	CQF0917-01 (25mL)
Scan File Path: x:\07JUL12\G12008.D *Original Path: C:\DATA\07JUL12\G12008.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-BLK1 (25mL w/ #7060081)
Scan File Path: x:\07JUL12\G12009.D *Original Path: C:\DATA\07JUL12\G12009.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0050-01 (25mL)
Scan File Path: x:\07JUL12\G12010.D *Original Path: C:\DATA\07JUL12\G12010.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-MS1 (25mL w/ #7060083; 050-01)
Scan File Path: x:\07JUL12\G12011.D *Original Path: C:\DATA\07JUL12\G12011.D*					
5	Scanned	QD(1)	PM	GCMS39	C7G1202-MSD1 (25mL w/ #7060083; 050-01)

Mint Miner 2.02 (70108) Directory Scan: x:\07JUL12

13 Jul 2007 15:01

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL12\G12012.D *Original Path: C:\DATA\07JUL12\G12012.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0229-01 (25mL)
Scan File Path: x:\07JUL12\G12013.D *Original Path: C:\DATA\07JUL12\G12013.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0323-01 (25mL)
Scan File Path: x:\07JUL12\G12014.D *Original Path: C:\DATA\07JUL12\G12014.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0323-02 (25mL)
Scan File Path: x:\07JUL12\G12015.D *Original Path: C:\DATA\07JUL12\G12015.D*					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)

QD = Method Last Update date after Quantitation date

ScanSummary.rpt

Total Files Scanned
Methods
Samples
Tunes
CCCs

Beginning Analyzed Date
Ending Analyzed Date
Analyzed Range
Greatest Time Between Tunes
Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

GC/MS QA-QC Check Report

Tune File : C:\DATA\07JUL12\G12004.D
Tune Time : 12 Jul 2007 10:34 am

Daily Calibration File : C:\DATA\07JUL11\G11005.D

20175

File	Sample	Internal Std Responses
G12004.D	CCV	16972
G12005.D	C7G1202-BS1	16265
G12006.D	C7G1202-BLK1	15690 * Reshoot
G12007.D	CQF0917-01	18042
G12008.D	C7G1202-BLK1	16504
G12009.D	CQG0050-01	16136 * ok per sop sec. 8.1.7.1
G12010.D	C7G1202-MS1	19893
G12011.D	C7G1202-MSD1	19934
G12012.D	CQG0229-01	17520
G12013.D	CQG0323-01	18582
G12014.D	CQG0323-02	19604
G12015.D	CCV	18850

- fails 12hr time check * - fails criteria

Created: Fri Jul 13 09:26:40 2007 GCMS39

GC/MS # 39

page 1 of 1

Date: 7/12/07

Analyst: PM

Port #	Sample	Amount	Dil.	Ph	Res. Cl_2	Comments
1	Equil. Rinse	25mL	1	N/A		
2	CCV	25mL	1			IS failed, not reported
3	C7G1202-BS1	25mL	1			
4	CCV	25mL	1			50ppb #7060083
5	C7G1202-BS1	25mL	1			50ppt #7060083
6	-BLK1	25mL	1			#7060081-IS 10u
7	CQF0917-01	25mL	1		<5	
8	C7G1202-BLK1	25mL	1			#7060081
9	CQG0050-01	25mL	1		<5	
10	C7G1202-MS1	25mL	1			#7060081, 050-01
11	-MSD1	25mL	1			
12	CQG0229-01	25mL	1		<5	
13	CQG0323-01	25mL	1		<5	
14	-02	25mL	1		<5	
15	CCV	25mL	1			50ppt #7060083

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

7/13/07
IS low, reshoot

File:	G12002.D	**Instrument:**	GCMS39
Operator:	PM		
Date:	12 Jul 2007 9:30 am	**QC BATCH # :**	CCV

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	48.68	97.4	80-120

* Denotes values out of expected range

7/12/2007 4:46 PM

C:\MSDchem\Custrpt\123TCP.CRT

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL12\G12002.D Vial: 2
Acq On : 12 Jul 2007 9:30 am Operator: PM
Sample : CCV Inst : GCMS39
Misc : 25mL w/ 50ppt #7060083 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	68#	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.882	2.6	66#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G12002.D 123-TCP071107.M Thu Jul 12 16:46:12 2007

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12002.D
Acq On : 12 Jul 2007 9:30 am
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42:47 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	13638	50.00 ng/L	0.00
Target Compounds					**Qvalue**
2) 1,2,3-Trichloropropane	17.41	75	12024	48.68 ng/L	100

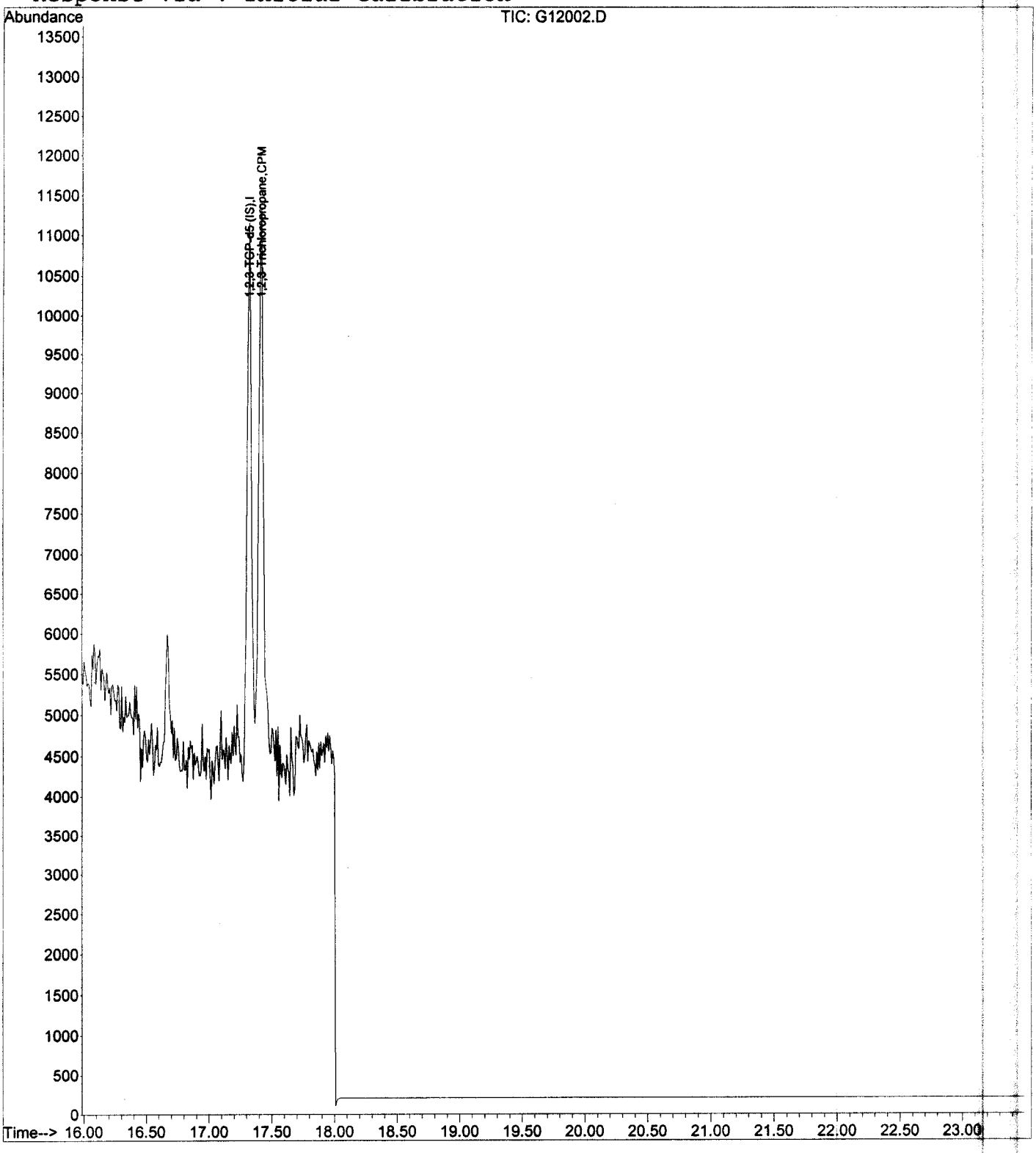
(#) = qualifier out of range (m) = manual integration (+) = signals summed

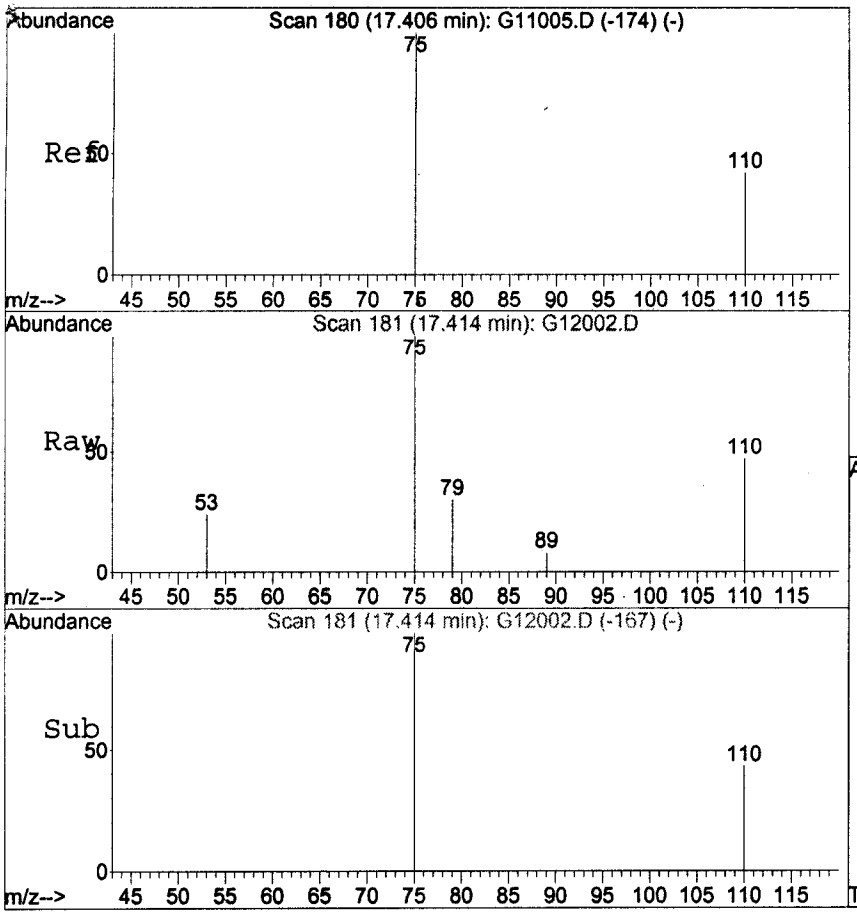
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12002.D
Acq On : 12 Jul 2007 9:30 am
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42 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

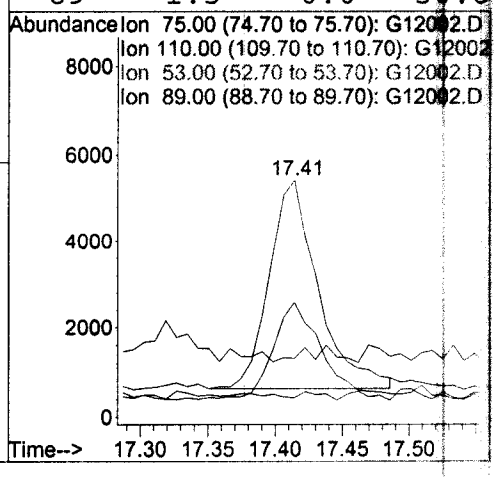




#2
1,2,3-Trichloropropane
Concen: 48.68 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G12002.D
Acq: 12 Jul 2007 9:30 am

Tgt Ion: 75 Resp: 12024

Ion	Ratio	Lower	Upper
75	100		
110	41.5	11.2	71.2
53	1.7	0.0	30.0
89	1.3	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12003.D
Acq On : 12 Jul 2007 10:02 am
Sample : C7G1202-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42:48 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

7/13/07

Not Reported

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	17280	50.00 ng/L	0.00

Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1897	6.06 ng/L	98

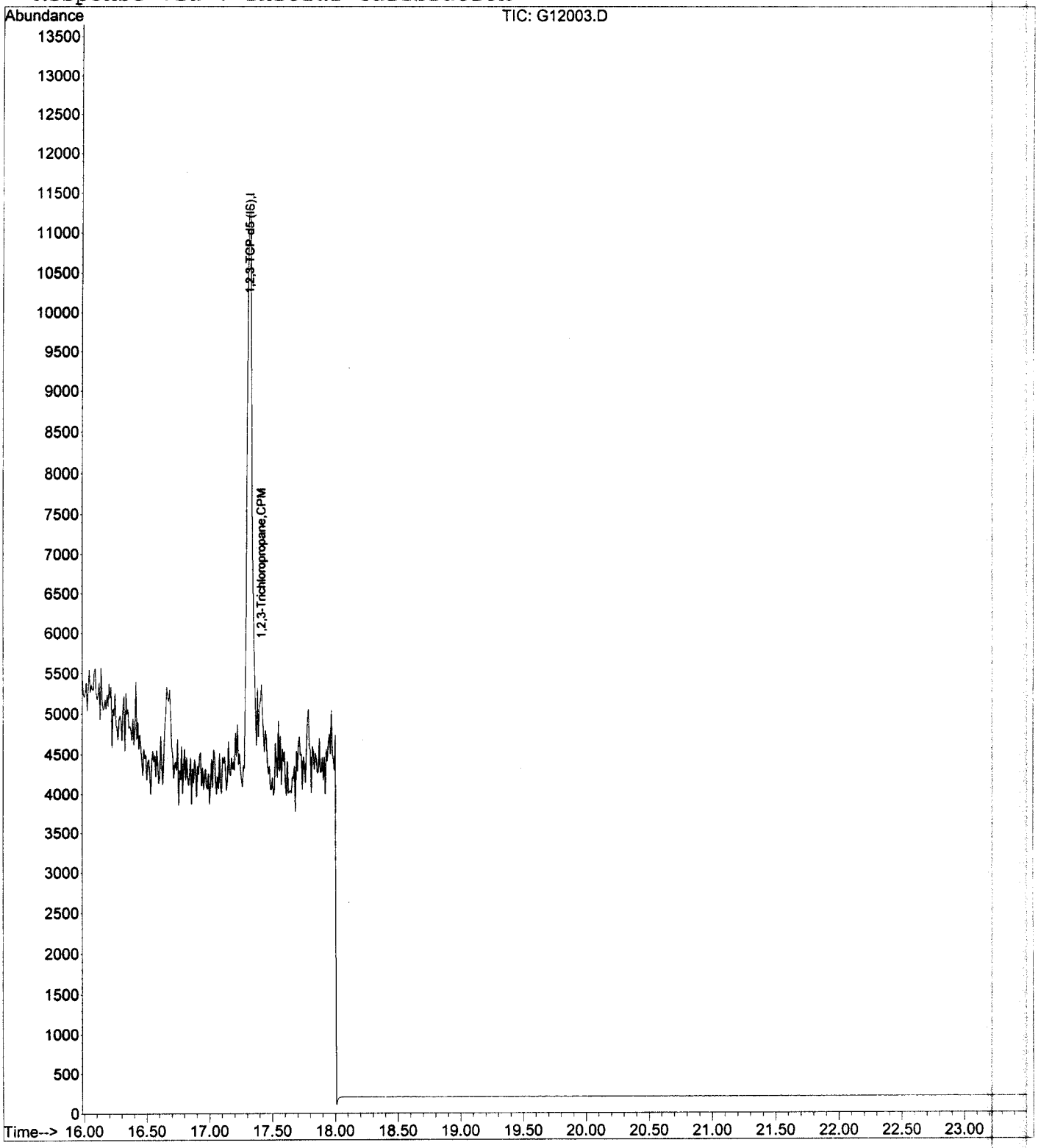
(#) = qualifier out of range (m) = manual integration (+) = signals summed

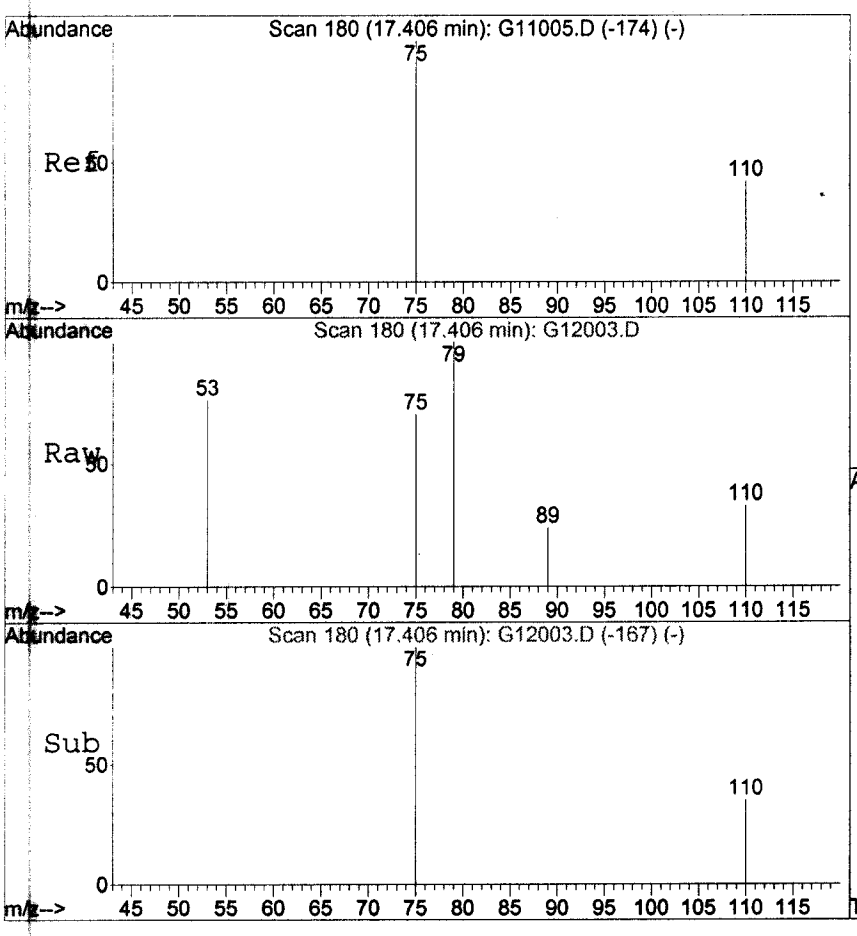
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12003.D
Acq On : 12 Jul 2007 10:02 am
Sample : C7G1202-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42 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

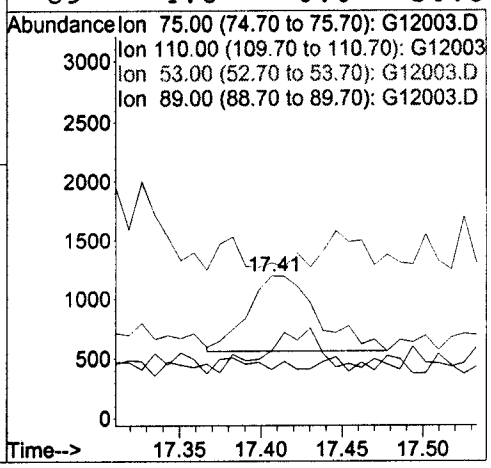




#2
1,2,3-Trichloropropane
Concen: 6.06 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G12003.D
Acq: 12 Jul 2007 10:02 am

Tgt Ion: 75 Resp: 1897

Ion	Ratio	Lower	Upper
75	100		
110	40.0	11.2	71.2
53	23.3	0.0	30.0
89	4.6	0.0	30.8



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

7/13/07

File:	G12004.D	**Instrument:**	GCMS39
Operator:	PM		
Date:	12 Jul 2007 10:34 am	**QC BATCH # :**	CCV

		Source	Response	% Recovery	Control Limits
2	1,2,3-Trichloropropane	50	45.64	91.3	80-120

* Denotes values out of expected range

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL12\G12004.D Vial: 4
Acq On : 12 Jul 2007 10:34 am Operator: PM
Sample : CCV Inst : GCMS39
Misc : 25mL w/ 50ppt #7060083 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	84	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.826	8.8	77#	0.00

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

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12004.D Vial: 4
Acq On : 12 Jul 2007 10:34 am Operator: PM
Sample : CCV Inst : GCMS39
Misc : 25mL w/ 50ppt #7060083 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42:51 2007 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	16972	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	14027	45.64 ng/L	94

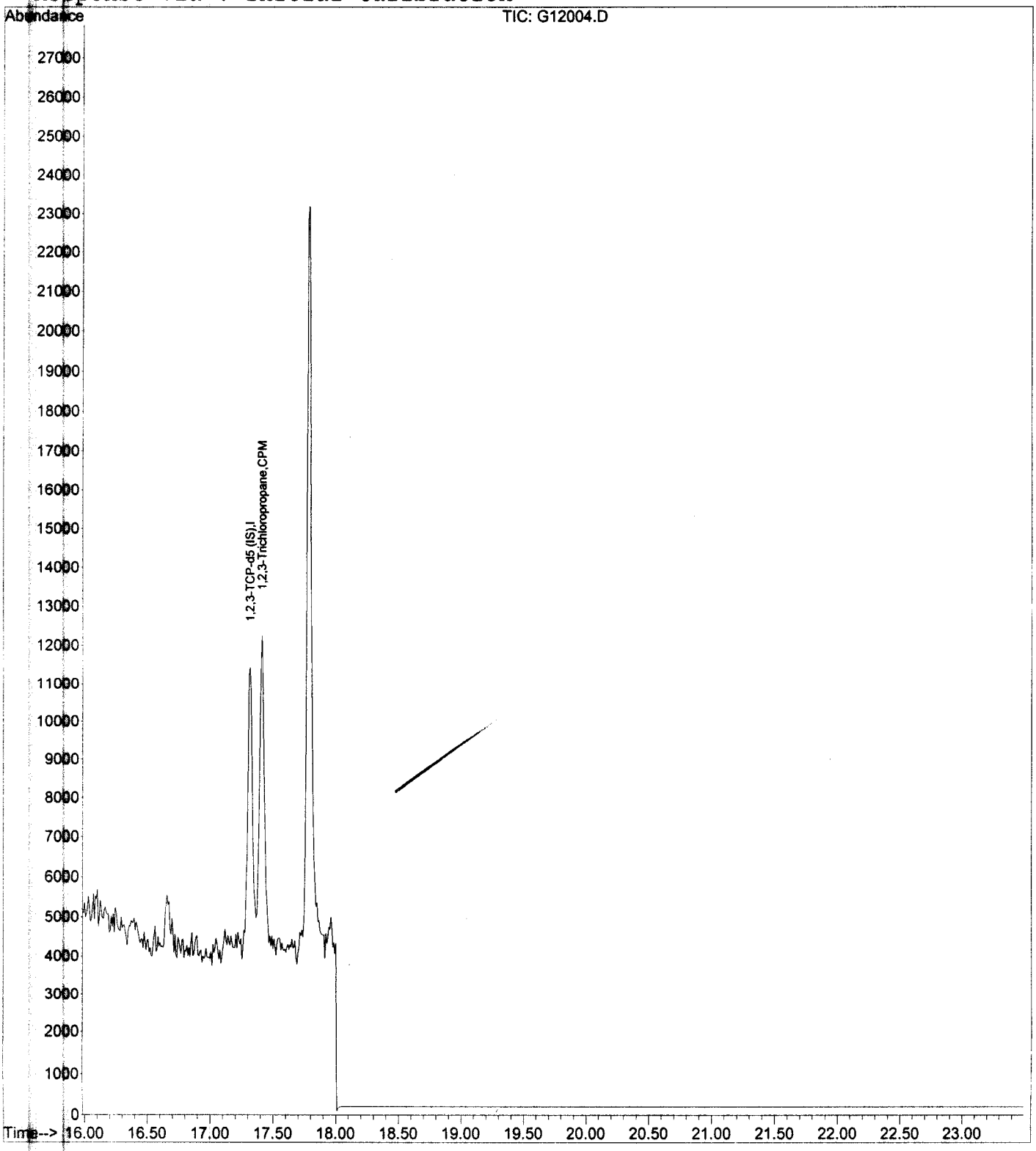
(#) = qualifier out of range (m) = manual integration (+) = signals summed

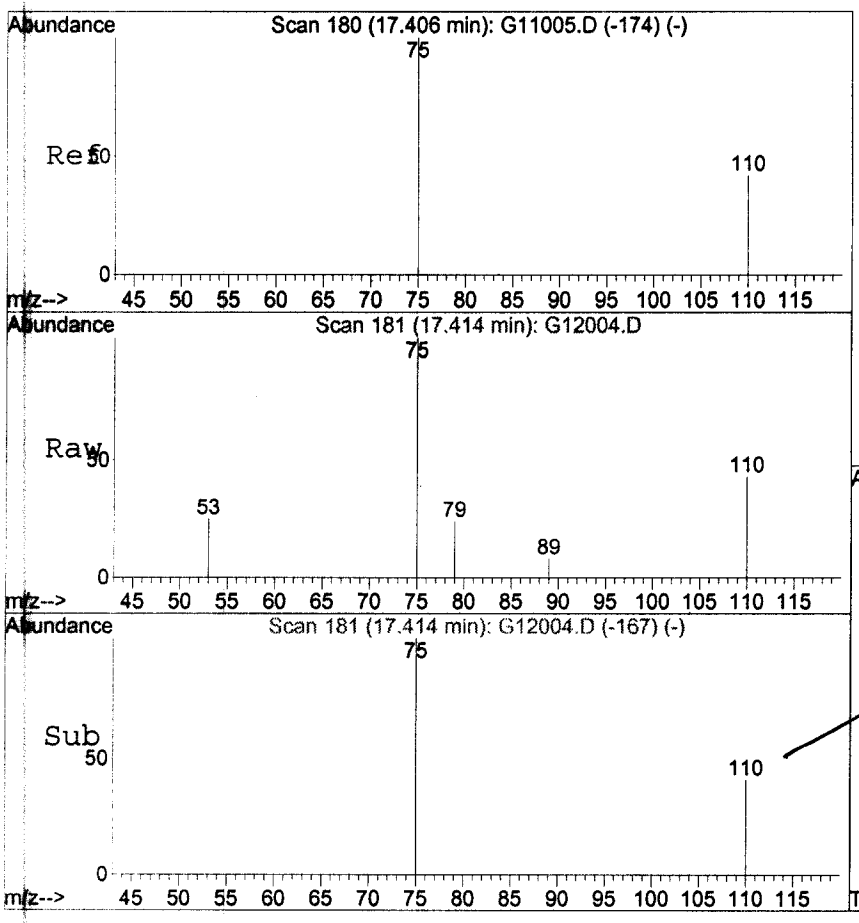
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12004.D
Acq On : 12 Jul 2007 10:34 am
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42 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

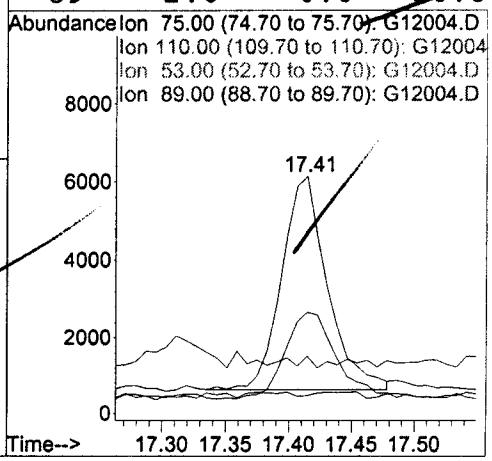




#2
1,2,3-Trichloropropane
Concen: 45.64 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G12004.D
Acq: 12 Jul 2007 10:34 am

Tgt Ion: 75 Resp: 14027

Ion	Ratio	Lower	Upper
75	100		
110	45.1	11.2	71.2
53	1.0	0.0	30.0
89	2.0	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12005.D
Acq On : 12 Jul 2007 11:06 am
Sample : C7G1202-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42:53 2007

Vial: 5
Operator: PM
Inst : GCMS3
Multiplr: 1.00

7/13/07

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 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	16265	50.00	ng/L	0.00
Target Compounds						Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1372	4.66	ng/L	98

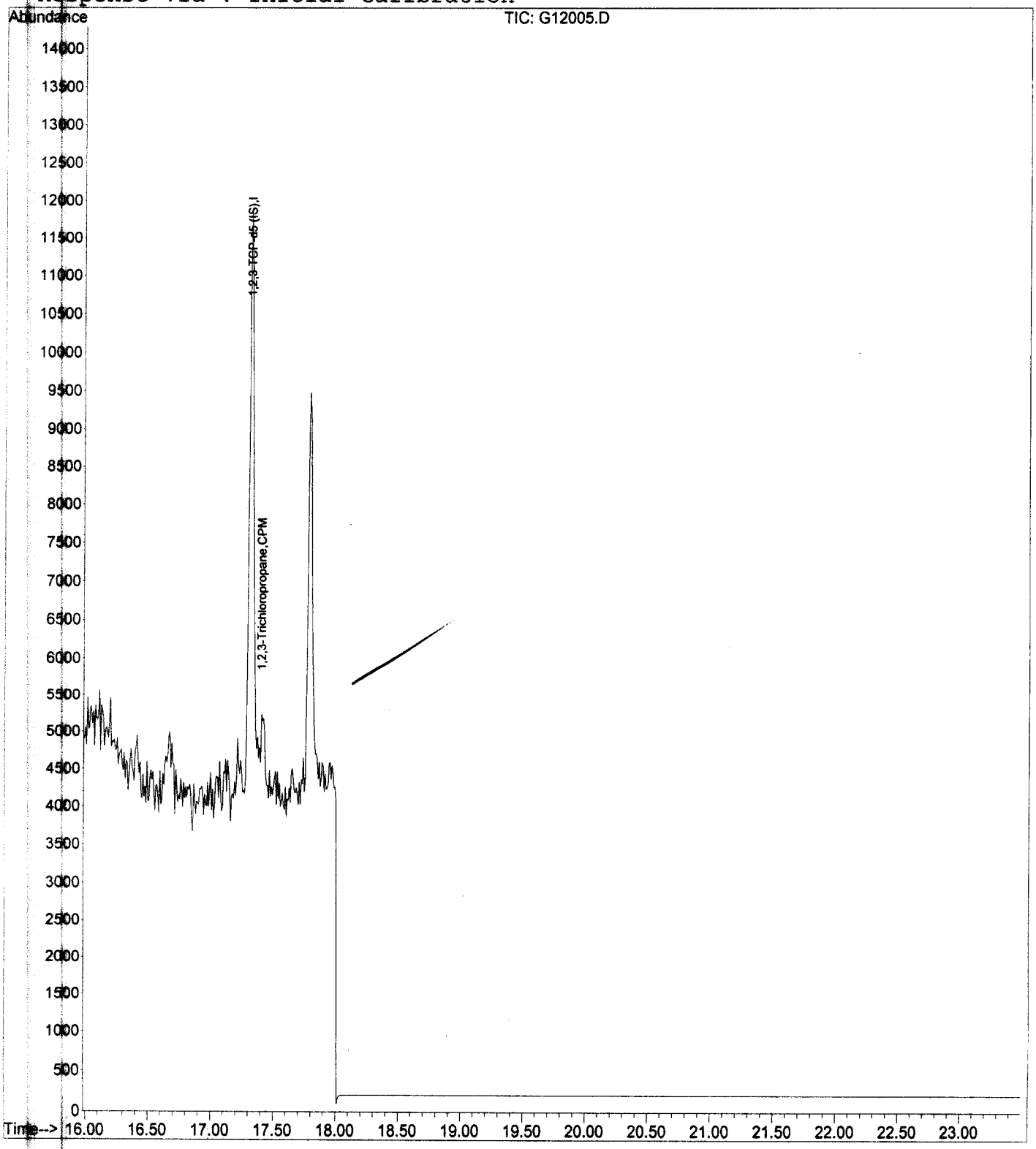
(#) = qualifier out of range (m) = manual integration (+) = signals summed

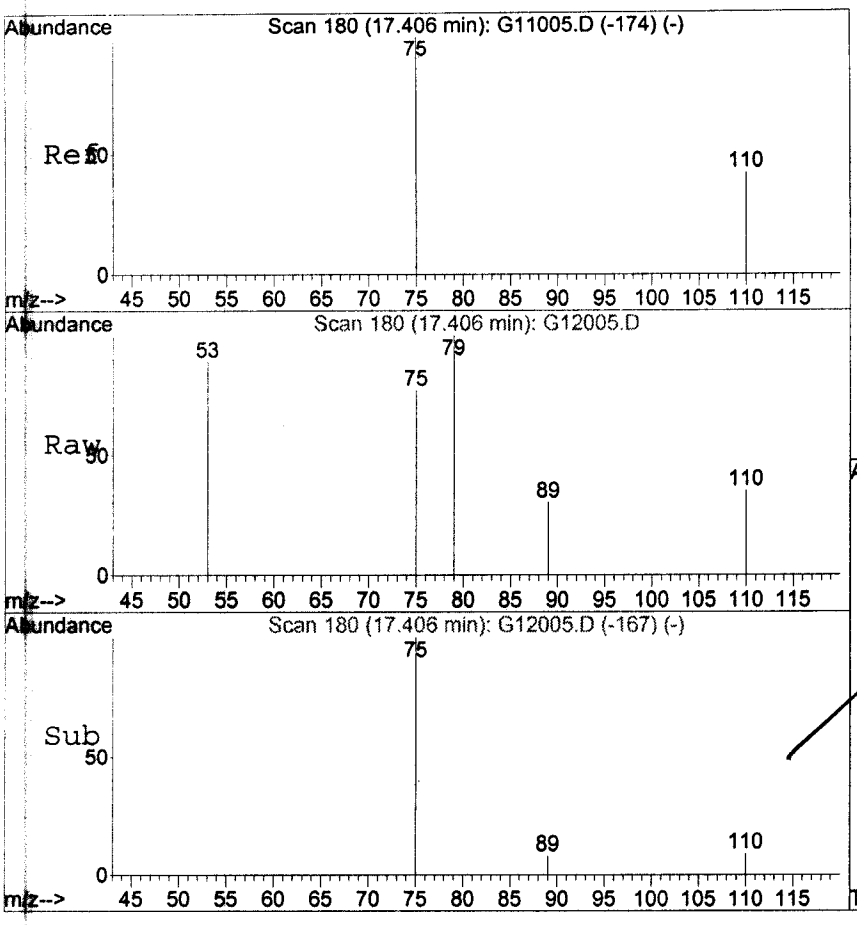
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12005.D
Acq On : 12 Jul 2007 11:06 am
Sample : C7G1202-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42 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

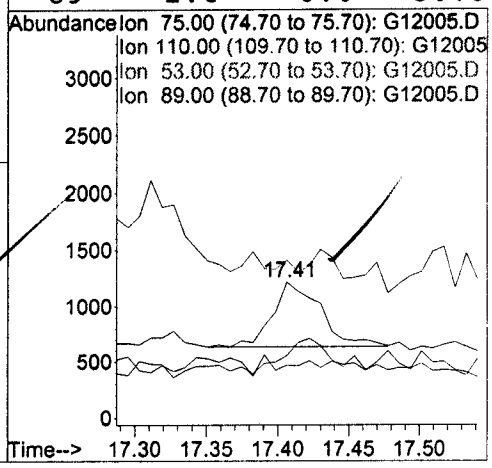




#2
1,2,3-Trichloropropane
Concen: 4.66 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G12005.D
Acq: 12 Jul 2007 11:06 am

Tgt Ion: 75 Resp: 1372

Ion	Ratio	Lower	Upper
75	100		
110	40.0	11.2	71.2
53	15.2	0.0	30.0
89	1.6	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12006.D
Acq On : 12 Jul 2007 11:39 am
Sample : C7G1202-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42:56 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

PL 7/13/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,2,3-TCP-d5 (IS)	17.32	79	15690	50.00 ng/L	0.00

Target Compounds Qvalue

Low IS
Reshoot

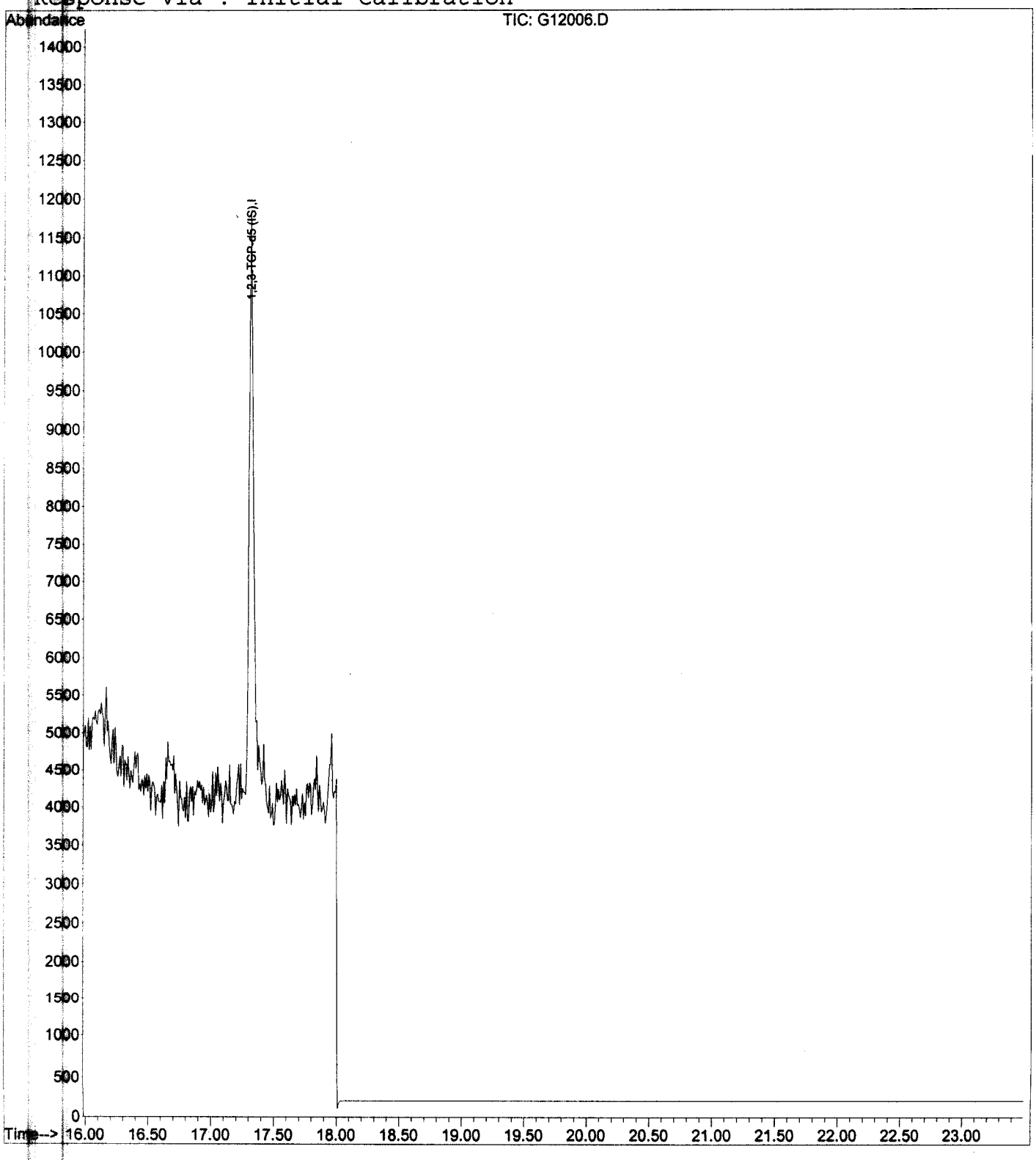
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12006.D
Acq On : 12 Jul 2007 11:39 am
Sample : C7G1202-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:42 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



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12008.D
Acq On : 12 Jul 2007 12:44 pm
Sample : C7G1202-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43:00 2007

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

7/13/07

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 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	16504	50.00 ng/L	0.00

Target Compounds Qvalue

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

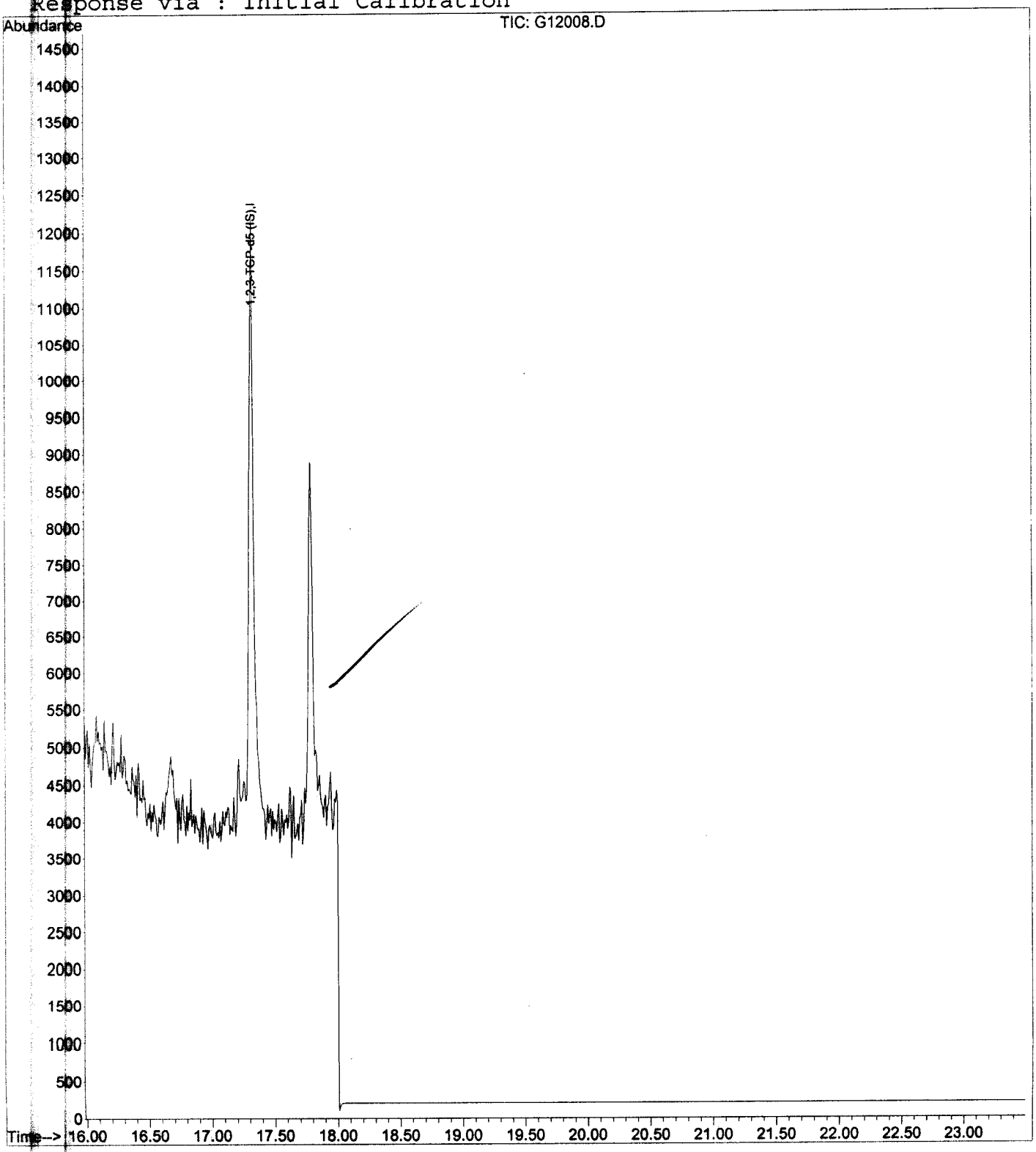
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12008.D
Acq On : 12 Jul 2007 12:44 pm
Sample : C7G1202-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43 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



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12009.D
Acq On : 12 Jul 2007 1:36 pm
Sample : CQG0050-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43:01 2007

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

7/13/07

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 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	16136	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	2846	9.74 ng/L	88

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

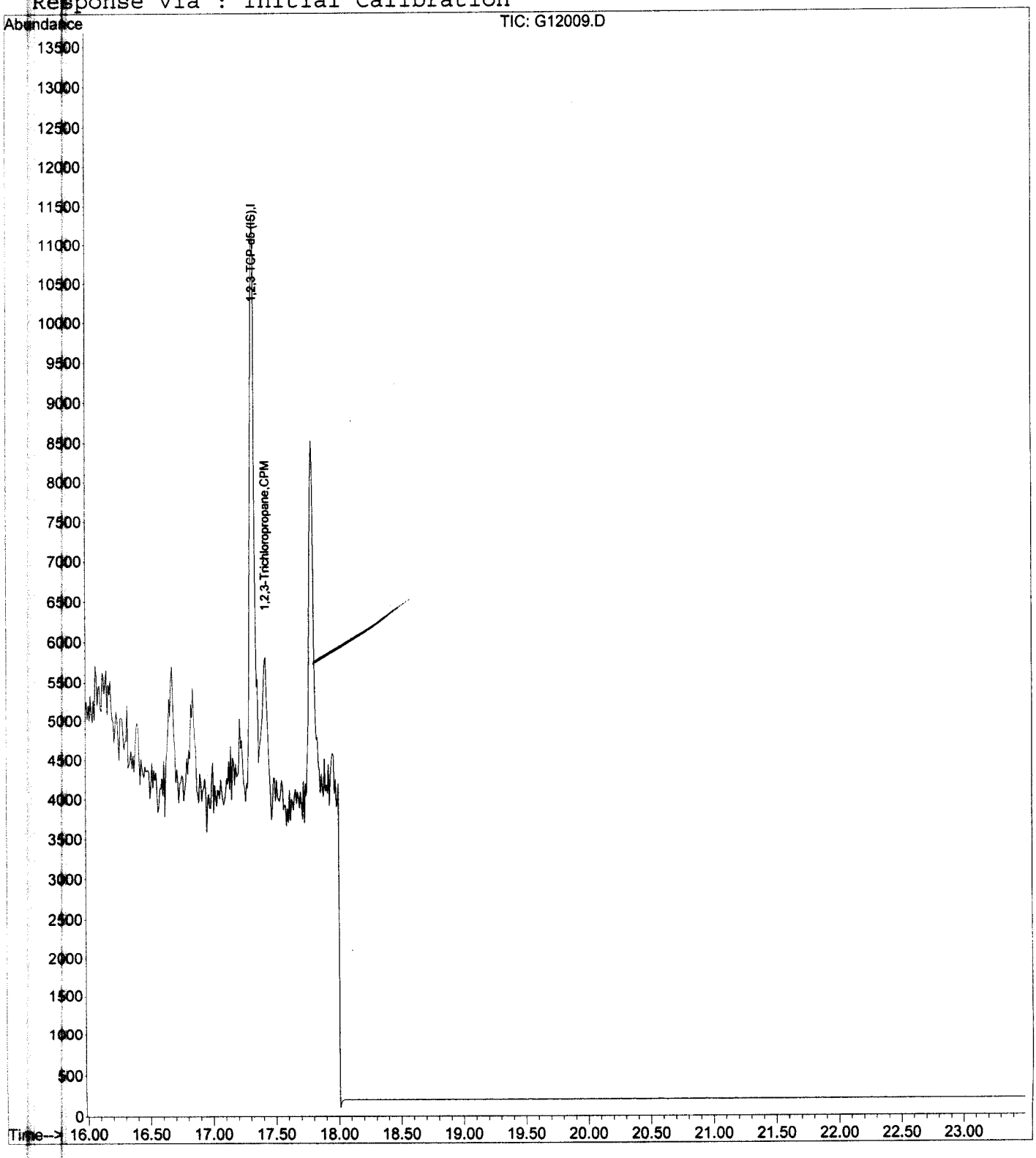
Quantitation Report (Not Reviewed)

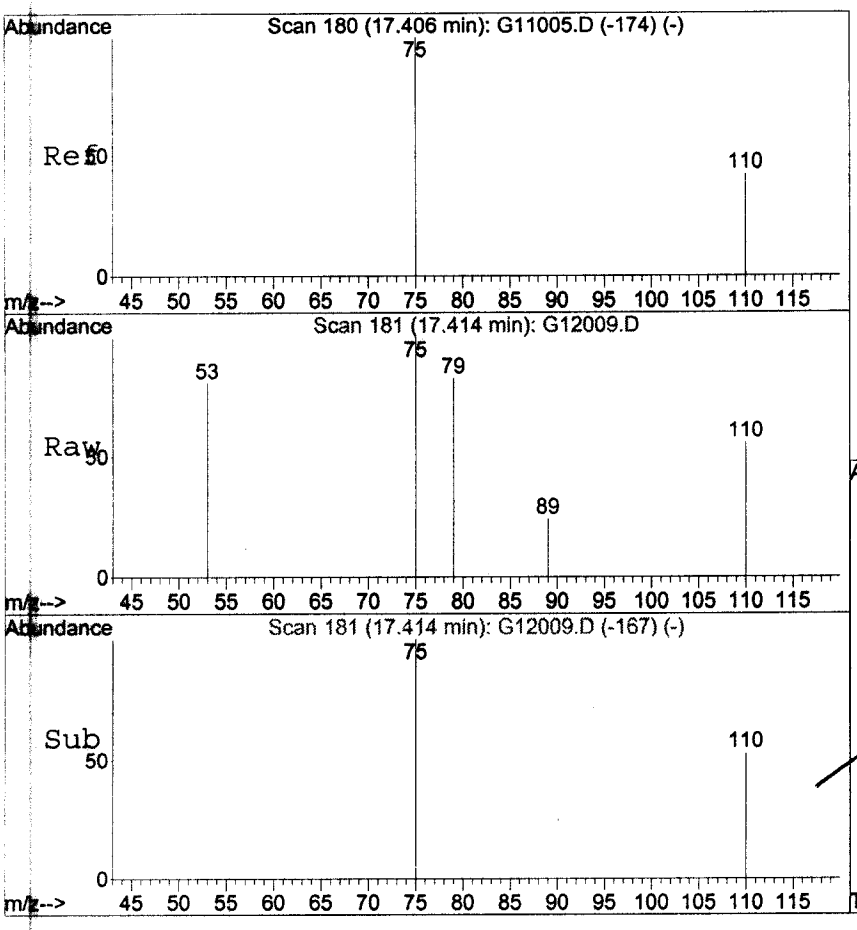
Data File : C:\DATA\07JUL12\G12009.D
Acq On : 12 Jul 2007 1:36 pm
Sample : CQG0050-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43 2007

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 16:34:52 2007
Response via : Initial Calibration

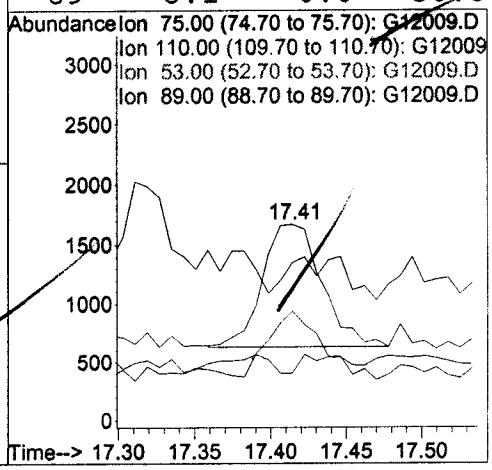




#2
1,2,3-Trichloropropane
Concen: 9.74 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G12009.D
Acq: 12 Jul 2007 1:36 pm

Tgt Ion: 75 Resp: 2846

Ion	Ratio	Lower	Upper
75	100		
110	48.8	11.2	71.2
53	8.9	0.0	30.0
89	8.1	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12010.D
Acq On : 12 Jul 2007 2:09 pm
Sample : C7G1202-MS1
Misc : 25mL w/ #7060083; 050-01
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43:01 2007

Vial: 10
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/13/07

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 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	19893	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	19578	54.34 ng/L	100

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

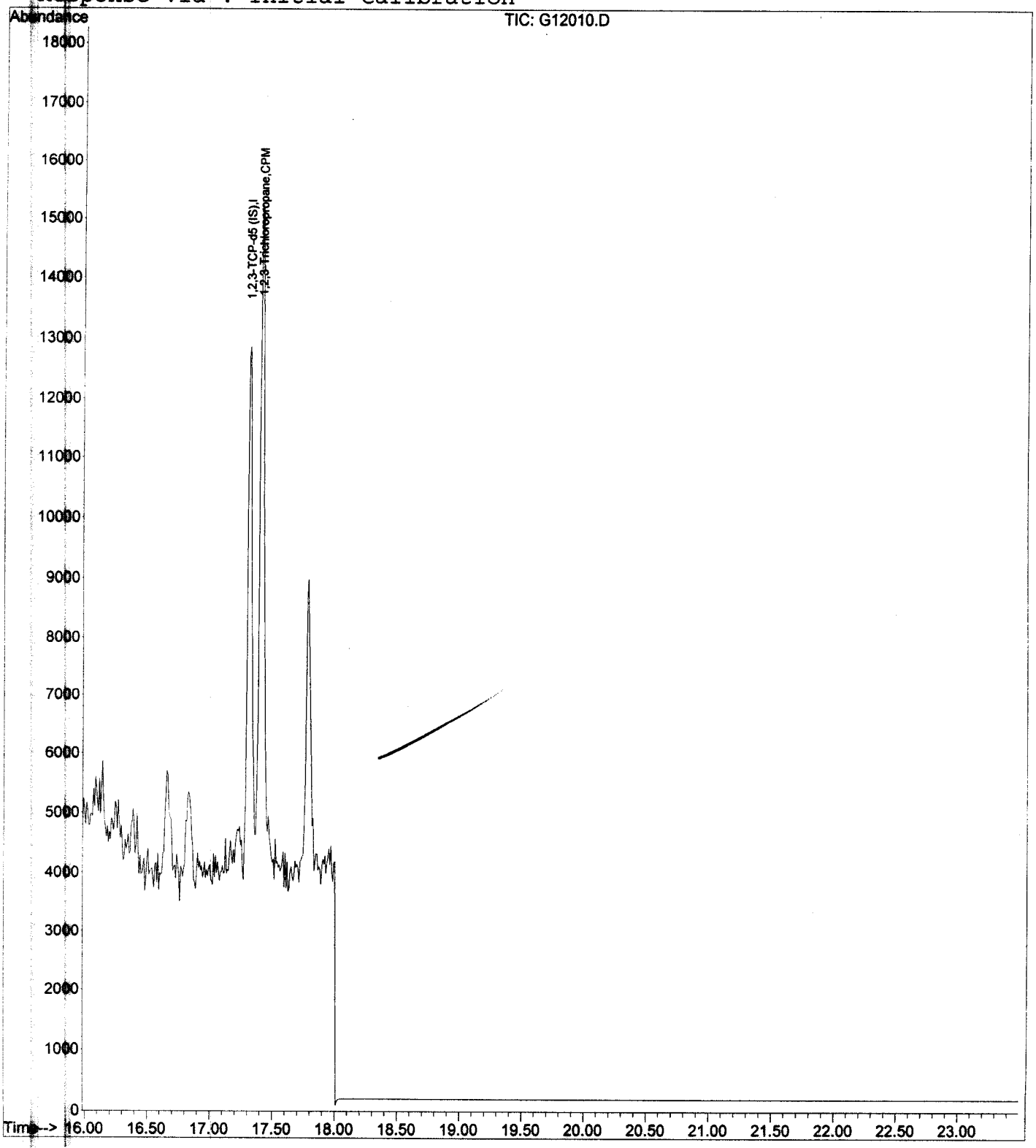
Quantitation Report (Not Reviewed)

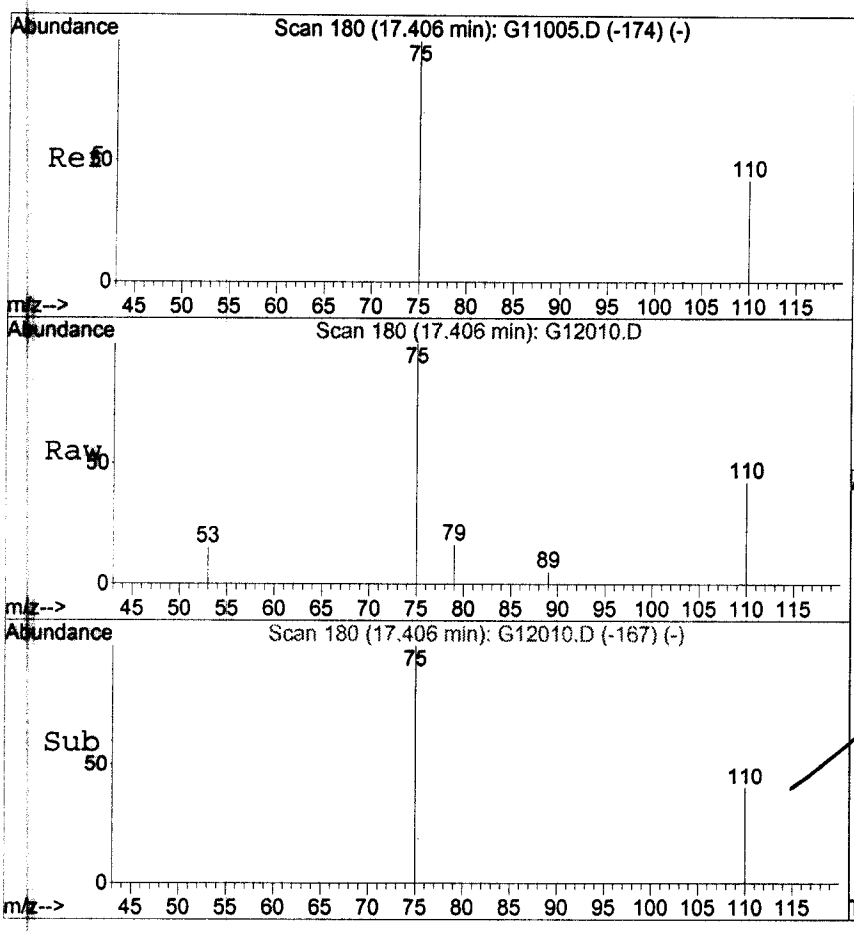
Data File : C:\DATA\07JUL12\G12010.D
Acq On : 12 Jul 2007 2:09 pm
Sample : C7G1202-MS1
Misc : 25mL w/ #7060083; 050-01
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43 2007

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 16:34:52 2007
Response via : Initial Calibration

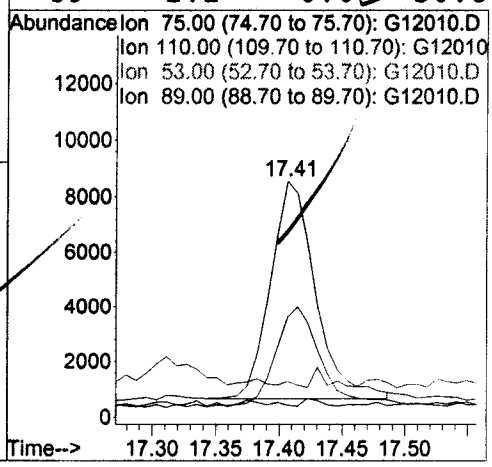




#2
1,2,3-Trichloropropane
Concen: 54.34 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G12010.D
Acq: 12 Jul 2007 2:09 pm

Tgt Ion: 75 Resp: 19578

Ion	Ratio	Lower	Upper
75	100		
110	41.1	11.2	71.2
53	1.8	0.0	30.0
89	1.2	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12011.D
Acq On : 12 Jul 2007 2:42 pm
Sample : C7G1202-MSD1
Misc : 25mL w/ #7060083; 050-01
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43:02 2007

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

7/13/07

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 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	19934	50.00	ng/L	0.00

Target Compounds						Qvalue
2) 1,2,3-Trichloropropane	17.41	75	20761	57.51	ng/L #	98

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

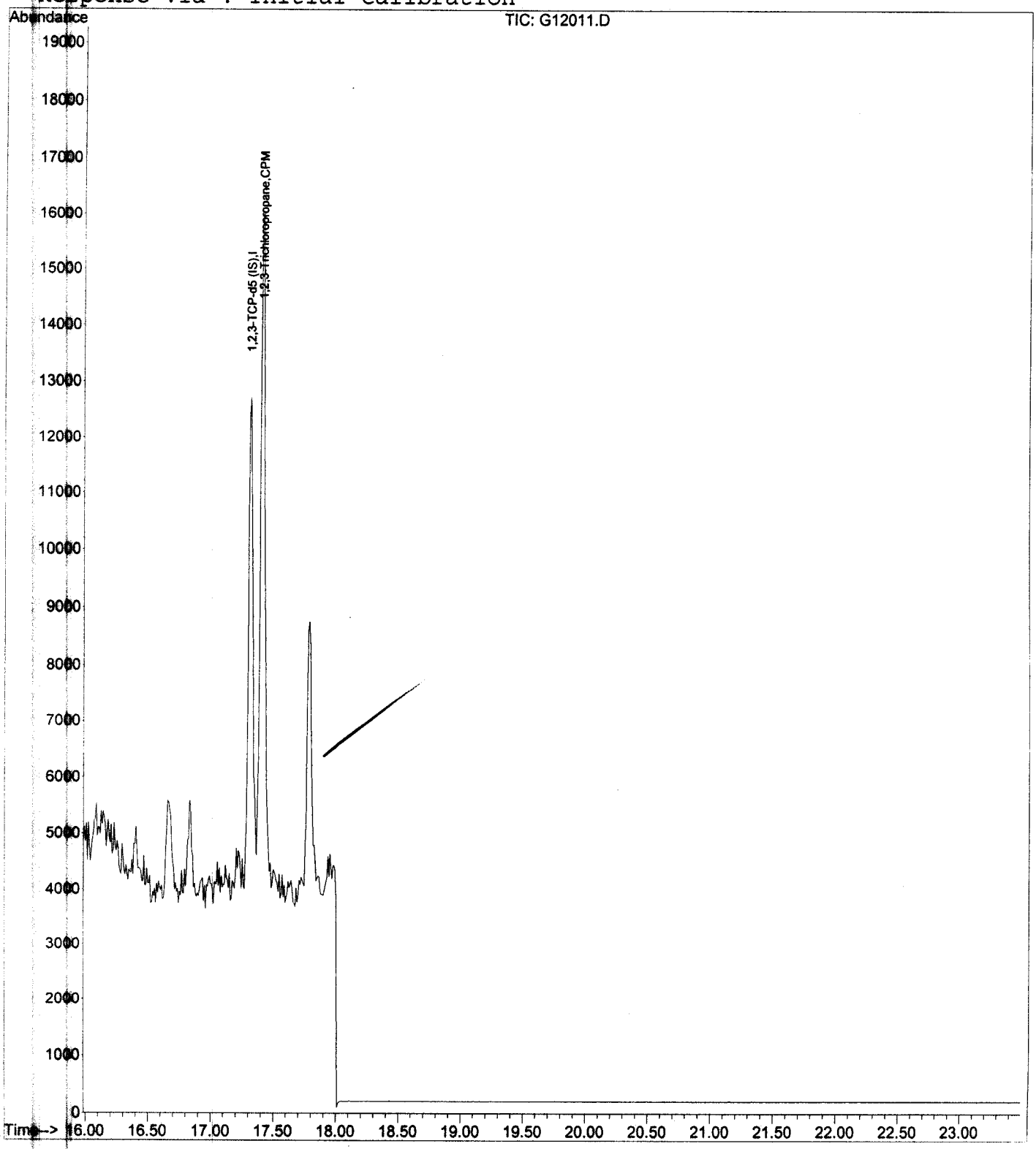
Quantitation Report (Not Reviewed)

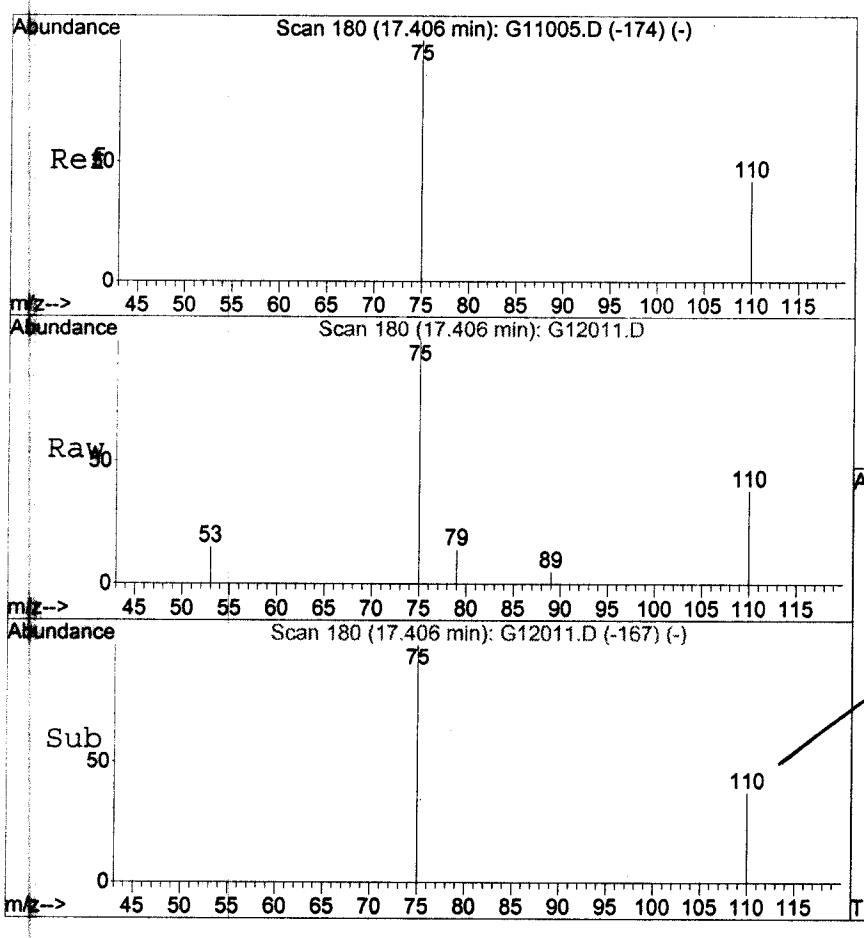
Data File : C:\DATA\07JUL12\G12011.D
Acq On : 12 Jul 2007 2:42 pm
Sample : C7G1202-MSD1
Misc : 25mL w/ #7060083; 050-01
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43 2007

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

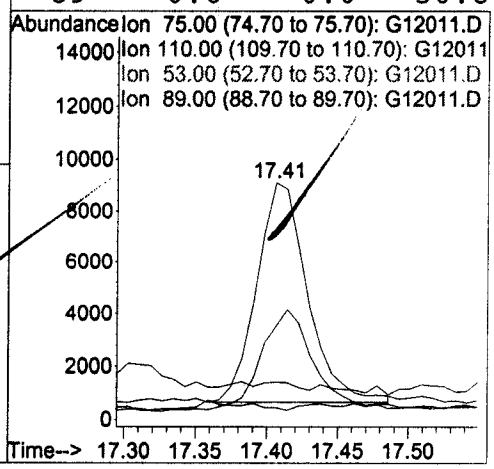




#2
1,2,3-Trichloropropane
Concen: 57.51 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G12011.D
Acq: 12 Jul 2007 2:42 pm

Tgt Ion: 75 Resp: 20761

Ion	Ratio	Lower	Upper
75	100		
110	42.6	11.2	71.2
53	0.7	0.0	30.0
89	0.0	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12013.D
Acq On : 12 Jul 2007 3:47 pm
Sample : CQG0323-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43:03 2007

Vial: 13
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/13/07

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 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	18582	50.00 ng/L	0.00

Target Compounds Qvalue

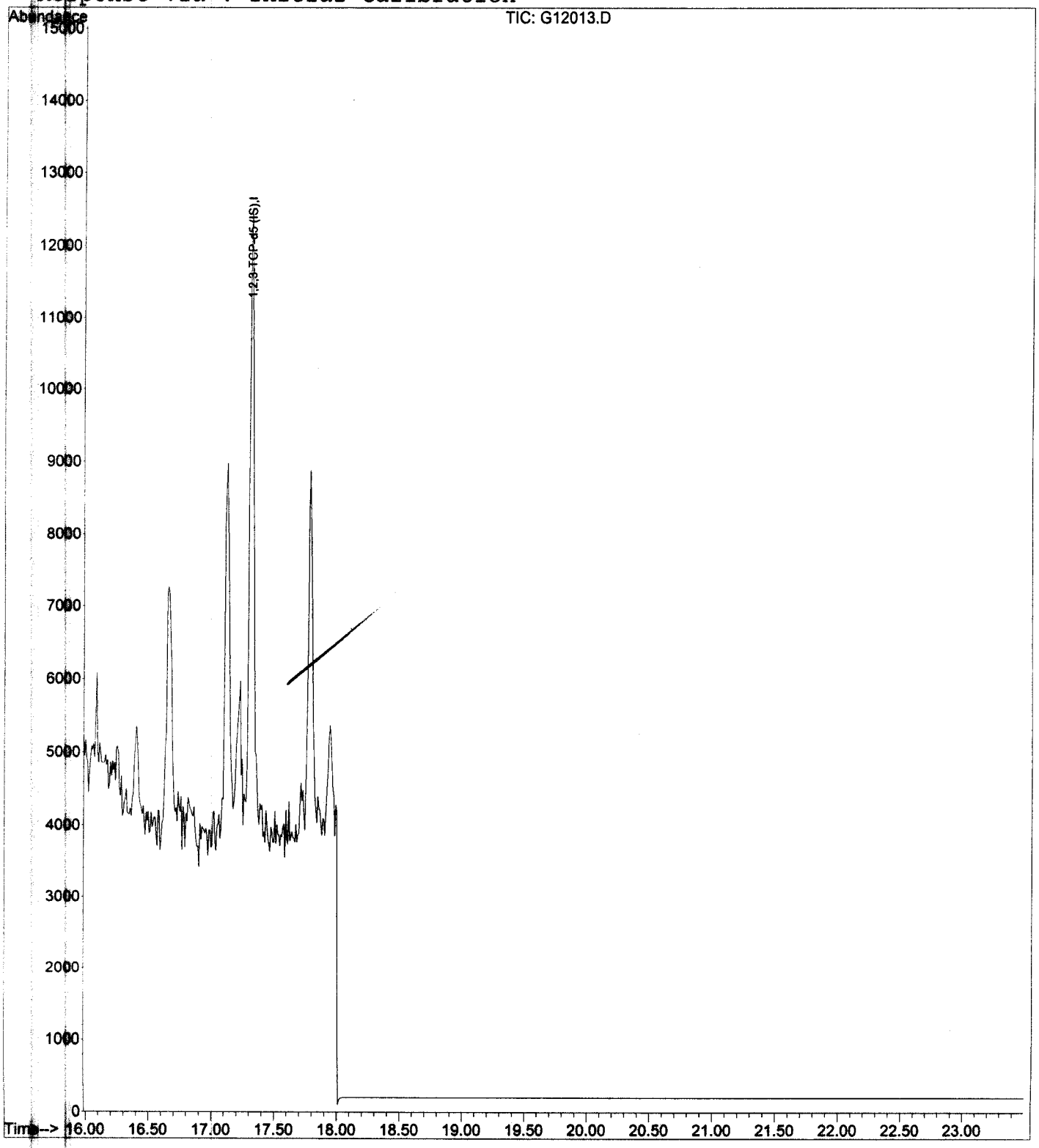
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12013.D
Acq On : 12 Jul 2007 3:47 pm
Sample : CQG0323-01
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:43 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 16:34:52 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12014.D
Acq On : 12 Jul 2007 4:19 pm
Sample : CQG0323-02
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:48:55 2007

Vial: 14
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/13/07

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 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	19604	50.00 ng/L	0.00

Target Compounds Qvalue

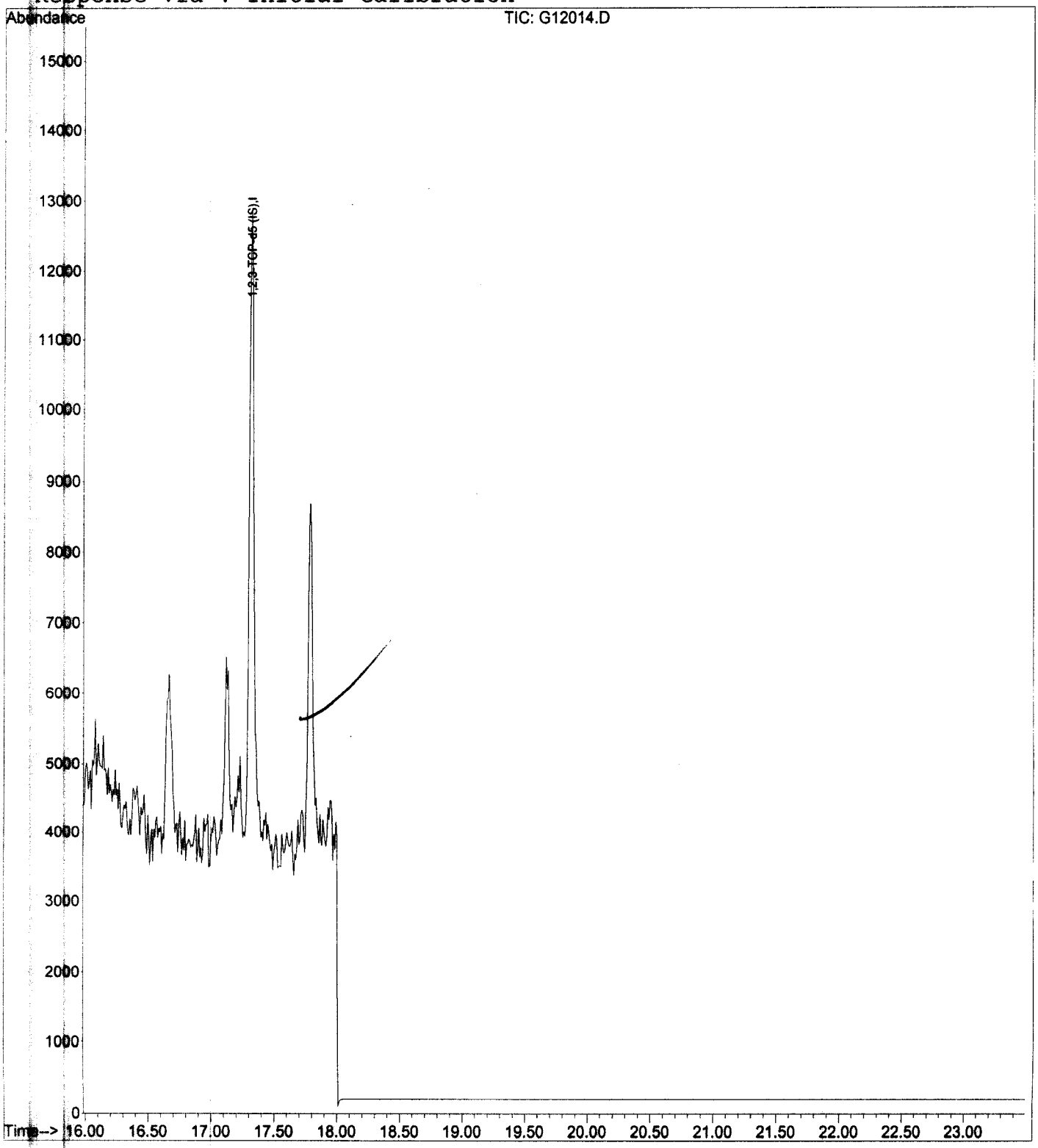
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12014.D
Acq On : 12 Jul 2007 4:19 pm
Sample : CQG0323-02
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 12 16:48 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 16:34:52 2007
Response via : Initial Calibration



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

7/13/07

File:	G12015.D	**Instrument:**	GCMS39
Operator:	PM		
Date:	12 Jul 2007 4:52 pm	**QC BATCH # :**	CCV

		Source	Response	% Recovery	Control Limits
2	1,2,3-Trichloropropane	50	55.44	110.9	80-120

* Denotes values out of expected range

7/13/2007 9:26 AM

C:\MSDchem\Custrpt\123TCP.CRT

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL12\G12015.D Vial: 15
Acq On : 12 Jul 2007 4:52 pm Operator: PM
Sample : CCV Inst : GCMS39
Misc : 25mL w/ 50ppt #7060083 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	93	0.00
2	CPM	1,2,3-Trichloropropane	0.906	1.004	-10.8	104	0.00

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

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL12\G12015.D
Acq On : 12 Jul 2007 4:52 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 13 09:26:00 2007

Vial: 15
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	18850	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	18927	55.44 ng/L	98

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

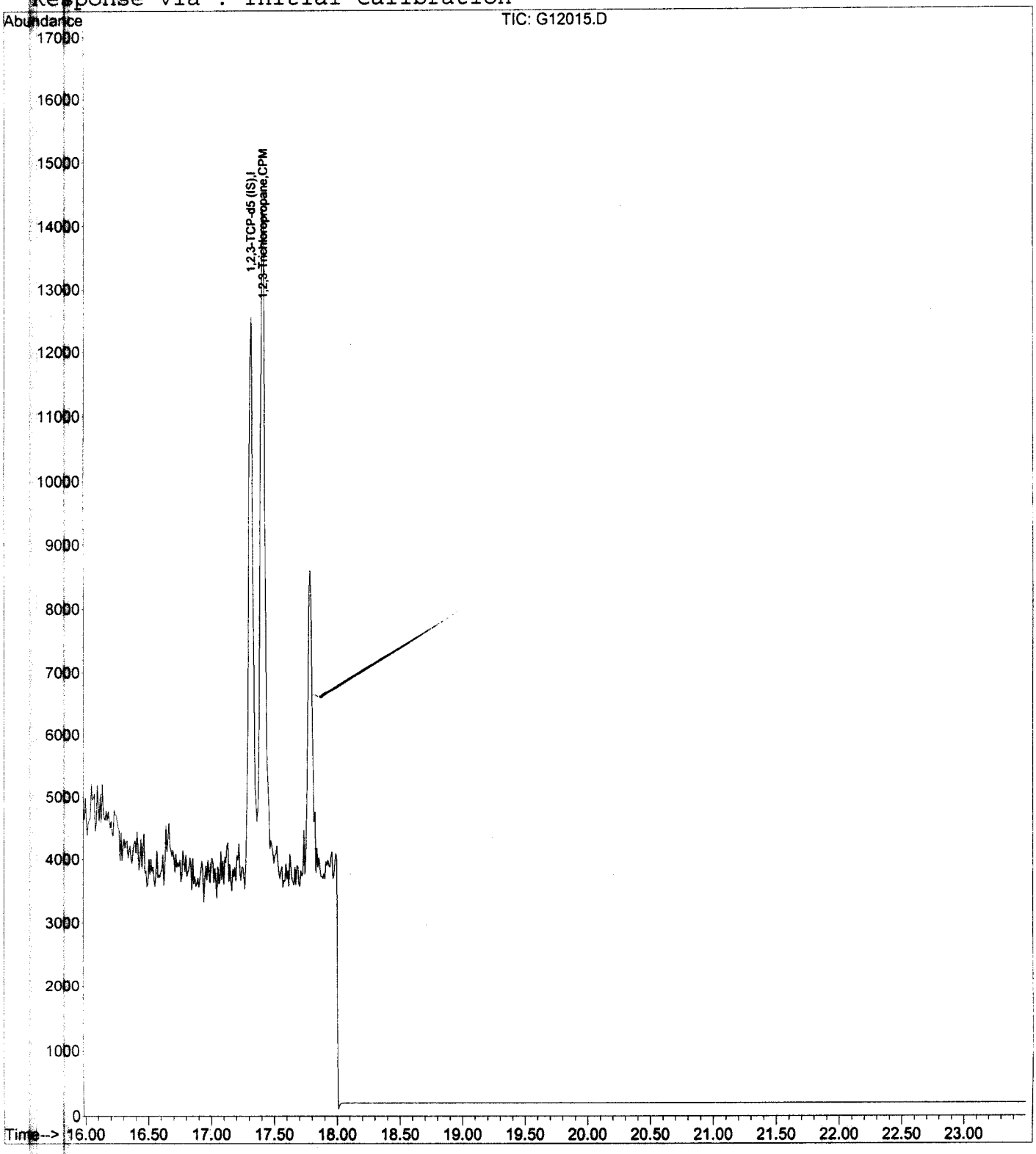
Quantitation Report (Not Reviewed)

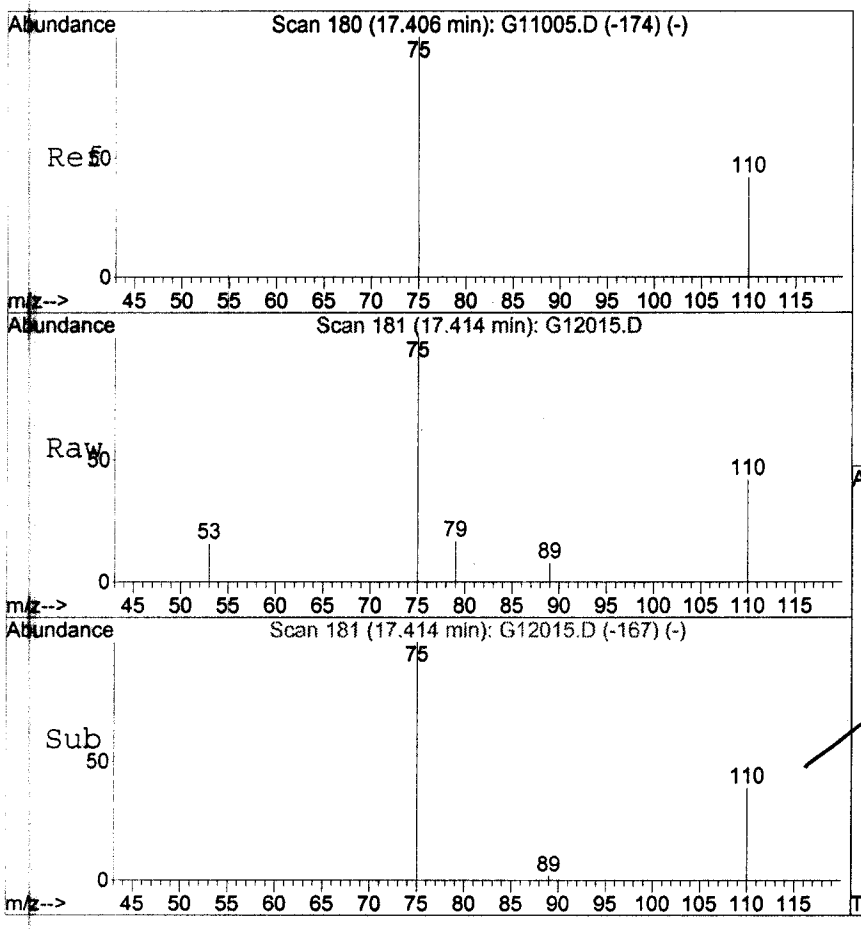
Data File : C:\DATA\07JUL12\G12015.D
Acq On : 12 Jul 2007 4:52 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 13 9:26 2007

Vial: 15
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

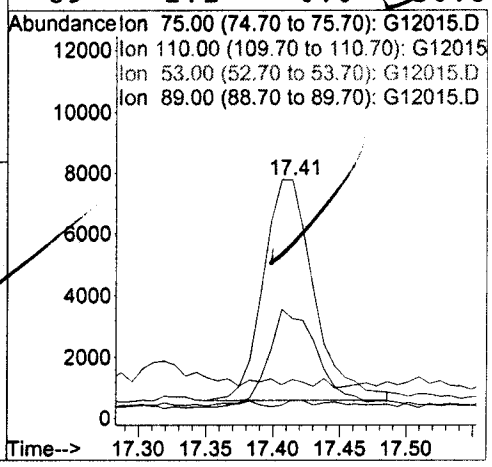




#2
1,2,3-Trichloropropane
Concen: 55.44 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G12015.D
Acq: 12 Jul 2007 4:52 pm

Tgt Ion: 75 Resp: 18927

Ion	Ratio	Lower	Upper
75	100		
110	40.1	11.2	71.2
53	1.3	0.0	30.0
89	1.1	0.0	30.8



Injection Log

Directory: C:\DATA\07JUL16

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	G16001.d	1.	Equil Rinse	25mL	16 Jul 2007 10:23
2	2	G16002.d	1.	Equil Rinse	25mL	16 Jul 2007 10:55
3	3	G16003.d	1.	Equil Rinse	25mL	16 Jul 2007 11:27
4	4	G16004.d	1.	CCV	25mL w/ 50ppt #7060083	16 Jul 2007 12:00
5	5	G16005.d	1.	C7G1605-BS1	25mL w/ 5ppt #7060083	16 Jul 2007 12:32
6	6	G16006.d	1.	C7G1605-BLK1	25mL w/ #7060081	16 Jul 2007 13:05
7	7	G16007.d	1.	CQG0323-03	25mL	16 Jul 2007 13:59
8	8	G16008.d	1.	CQG0323-04	25mL	16 Jul 2007 14:31
9	9	G16009.d	1.	C7G1605-MS1	25mL w/ #7060083; 323-04	16 Jul 2007 15:04
10	10	G16010.d	1.	C7G1605-MSD1	25mL w/ #7060083; 323-04	16 Jul 2007 15:36
11	11	G16011.d	1.	CQG0323-05	25mL	16 Jul 2007 16:09
12	12	G16012.d	1.	CQG0412-01	25mL	16 Jul 2007 16:42
13	13	G16013.d	1.	CQG0412-02	25mL	16 Jul 2007 17:14
14	14	G16014.d	1.	CQG0412-03	25mL	16 Jul 2007 17:47
15	15	G16015.d	1.	CQG0412-04	25mL	16 Jul 2007 18:19
16	16	G16016.d	1.	CQG0466-01	25mL	16 Jul 2007 18:52
17	17	G16017.d	1.	CQG0466-02	25mL	16 Jul 2007 19:24
18	18	G16018.d	1.	CQG0466-03	25mL	16 Jul 2007 19:57
19	19	G16019.d	1.	CCV	25mL w/ 50ppt #7060083	16 Jul 2007 20:30

PREPARATION BENCH SHEET

C7G1605

TestAmerica - Ontario, CA

Printed: 7/17/2007 2:02:33PM

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
C7G1605-BLK1	QC	07/16/07 12:00	25	25			0		0	5		
C7G1605-BS1	QC	07/16/07 12:00	25	25		7060083	0.5		100	5		
C7G1605-MS1	QC	07/16/07 12:00	25	25	CQG0323-04	7060083	5		100	5		
C7G1605-MSD1	QC	07/16/07 12:00	25	25	CQG0323-04	7060083	5		100	5		
CQG0323-03	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0323-04	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0323-05	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0412-01	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0412-02	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0412-03	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0412-04	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0466-01	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0466-02	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		
CQG0466-03	524.2 CA 1,2,3-TCP (SIM)	07/16/07 12:00	25	25						5		

Reagents used in Batch

Reagent	Description	Solvent

GCMS #39

Posted
7/17/07

7-18-07

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Mint Miner 2.02 (70108) Directory Scan: x:\07JUL16

18 Jul 2007 09:24

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL16\G16001.D					
Original Path: x:\07JUL16\G16001.D					
0	No Audit				
Scan File Path: x:\07JUL16\G16002.D					
Original Path: x:\07JUL16\G16002.D					
0	No Audit				
Scan File Path: x:\07JUL16\G16003.D					
Original Path: C:\DATA\07JUL16\G16003.D					
5	Scanned	QD(1)	PM	GCMS39	Equil Rinse (25mL)
Scan File Path: x:\07JUL16\G16004.D					
Original Path: C:\DATA\07JUL16\G16004.D					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)
Scan File Path: x:\07JUL16\G16005.D					
Original Path: C:\DATA\07JUL16\G16005.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1605-BS1 (25mL w/ 5ppt #7060083)
Scan File Path: x:\07JUL16\G16006.D					
Original Path: C:\DATA\07JUL16\G16006.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1605-BLK1 (25mL w/ #7060081)
Scan File Path: x:\07JUL16\G16007.D					
Original Path: C:\DATA\07JUL16\G16007.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0323-03 (25mL)
Scan File Path: x:\07JUL16\G16008.D					
Original Path: C:\DATA\07JUL16\G16008.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0323-04 (25mL)
Scan File Path: x:\07JUL16\G16009.D					
Original Path: C:\DATA\07JUL16\G16009.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1605-MS1 (25mL w/ #7060083; 323-04)
Scan File Path: x:\07JUL16\G16010.D					
Original Path: C:\DATA\07JUL16\G16010.D					
5	Scanned	QD(1)	PM	GCMS39	C7G1605-MSD1 (25mL w/ #7060083; 323-04)
Scan File Path: x:\07JUL16\G16011.D					
Original Path: C:\DATA\07JUL16\G16011.D					
5	Scanned	QD(1)	PM	GCMS39	CQG0323-05 (25mL)

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: x:\07JUL16\G16012.D *Original Path: C:\DATA\07JUL16\G16012.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0412-01 (25mL)
Scan File Path: x:\07JUL16\G16013.D *Original Path: C:\DATA\07JUL16\G16013.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0412-02 (25mL)
Scan File Path: x:\07JUL16\G16014.D *Original Path: C:\DATA\07JUL16\G16014.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0412-03 (25mL)
Scan File Path: x:\07JUL16\G16015.D *Original Path: C:\DATA\07JUL16\G16015.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0412-04 (25mL)
Scan File Path: x:\07JUL16\G16016.D *Original Path: C:\DATA\07JUL16\G16016.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0466-01 (25mL)
Scan File Path: x:\07JUL16\G16017.D *Original Path: C:\DATA\07JUL16\G16017.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0466-02 (25mL)
Scan File Path: x:\07JUL16\G16018.D *Original Path: C:\DATA\07JUL16\G16018.D*					
5	Scanned	QD(1)	PM	GCMS39	CQG0466-03 (25mL)
Scan File Path: x:\07JUL16\G16019.D *Original Path: C:\DATA\07JUL16\G16019.D*					
5	Scanned	QD(1)	PM	GCMS39	CCV (25mL w/ 50ppt #7060083)

Software error
No Time travel found
7-18-07

QD = Method Last Update date after Quantitation date

ScanSummary.rpt

Total Files Scanned
Methods
Samples
Tunes
CCCs

Beginning Analyzed Date
Ending Analyzed Date
Analyzed Range
Greatest Time Between Tunes
Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

GC/MS QA-QC Check Report

Tune File : C:\DATA\07JUL16\G16004.D
Tune Time : 16 Jul 2007 12:00 pm

Daily Calibration File : C:\DATA\07JUL11\G11005.D

File	Sample	Internal Std Responses 20175
G16004.D	CCV	18110
G16005.D	C7G1605-BS1	17840
G16006.D	C7G1605-BLK1	17466
G16007.D	CQG0323-03	18690
G16008.D	CQG0323-04	20886
G16009.D	C7G1605-MS1	25045
G16010.D	C7G1605-MSD1	23302
G16011.D	CQG0323-05	25282
G16012.D	CQG0412-01	20543
G16013.D	CQG0412-02	20738
G16014.D	CQG0412-03	23292
G16015.D	CQG0412-04	24979
G16016.D	CQG0466-01	19328
G16017.D	CQG0466-02	22677
G16018.D	CQG0466-03	21617
G16019.D	CCV	18164

- fails 12hr time check * - fails criteria

Created: Tue Jul 17 08:05:28 2007 GCMS39

GC/MS # 39

Date: 7/16/07

Analyst: JM

page 1 of 1

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	C7G1605-BS1	25mL	1			5ppt #7060083
6	" -BLK1	25mL	1			#7060081
7	CQG0323-03	25mL	1		<5	
8	" -04	25mL	1		<5	
9	C7G1605-MS1	25mL	1			#7060083, 7/16/07 160323-04
10	" -MSD1	25mL	1			"
11	CQG0323-05	25mL	1		<5	
12	CQG0412-01	25mL	1		<5	
13	" -02	25mL	1		<5	
14	" -03	25mL	1		<5	
15	" -04	25mL	1		<5	
16	CQG0466-01	25mL	1		<5	
17	" -02	25mL	1		<5	
18	" -03	25mL	1		<5	
19	CCV	25mL	1			50ppt #7060083

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

7/17/07

File: G16004.D **Instrument:** GCMS39
Operator: PM

Date: 16 Jul 2007 12:00 pm **QC BATCH # :** CCV

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	48.60	97.2	80-120

* Denotes values out of expected range

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL16\G16004.D
Acq On : 16 Jul 2007 12:00 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	90	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.880	2.9	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G16004.D 123-TCP071107.M Mon Jul 16 18:05:04 2007

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16004.D
Acq On : 16 Jul 2007 12:00 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:04:33 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	18110	50.00	ng/L	0.00
Target Compounds						Qvalue
2) 1,2,3-Trichloropropane	17.41	75	15940	48.60	ng/L	99

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

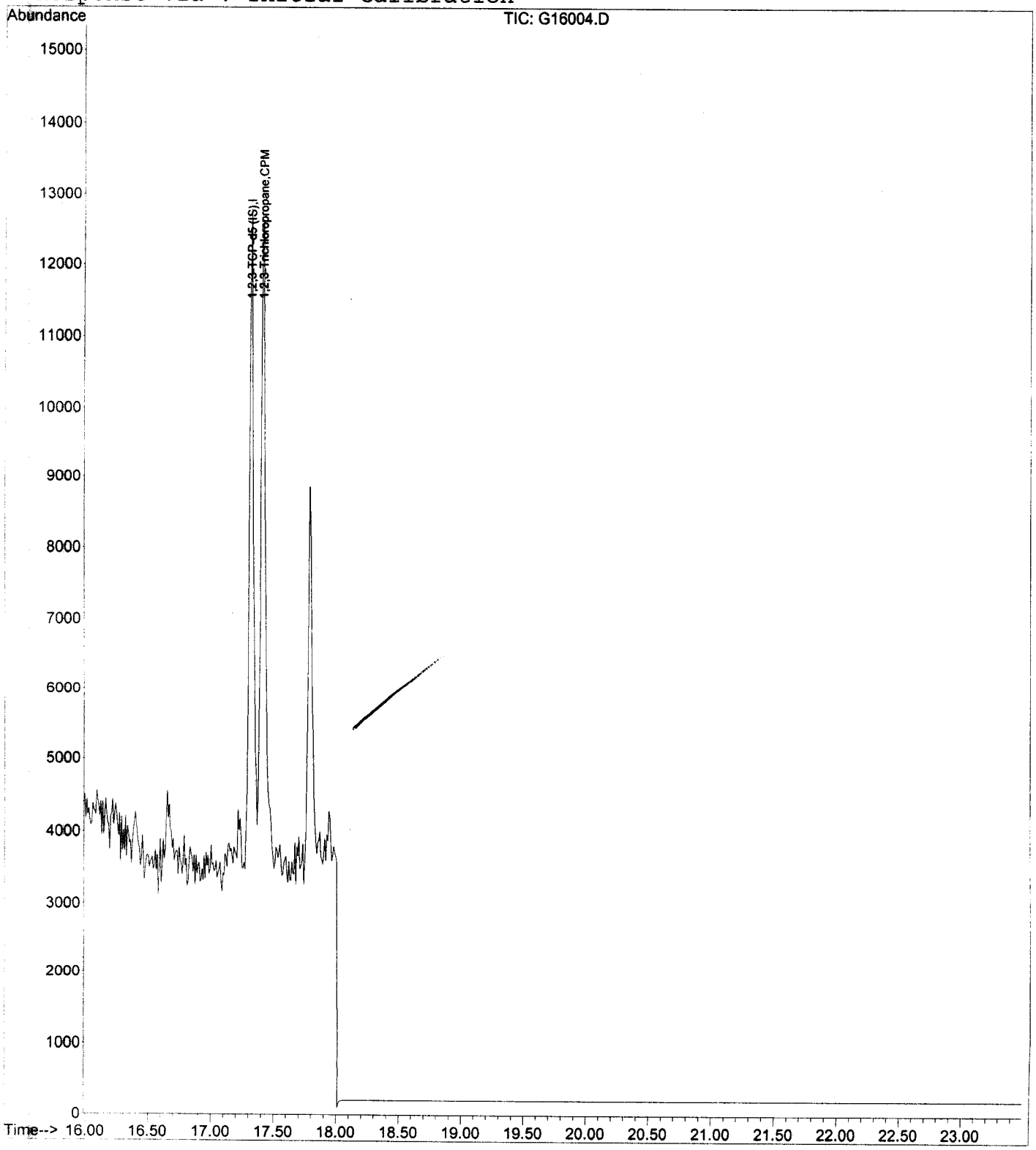
Quantitation Report (Not Reviewed)

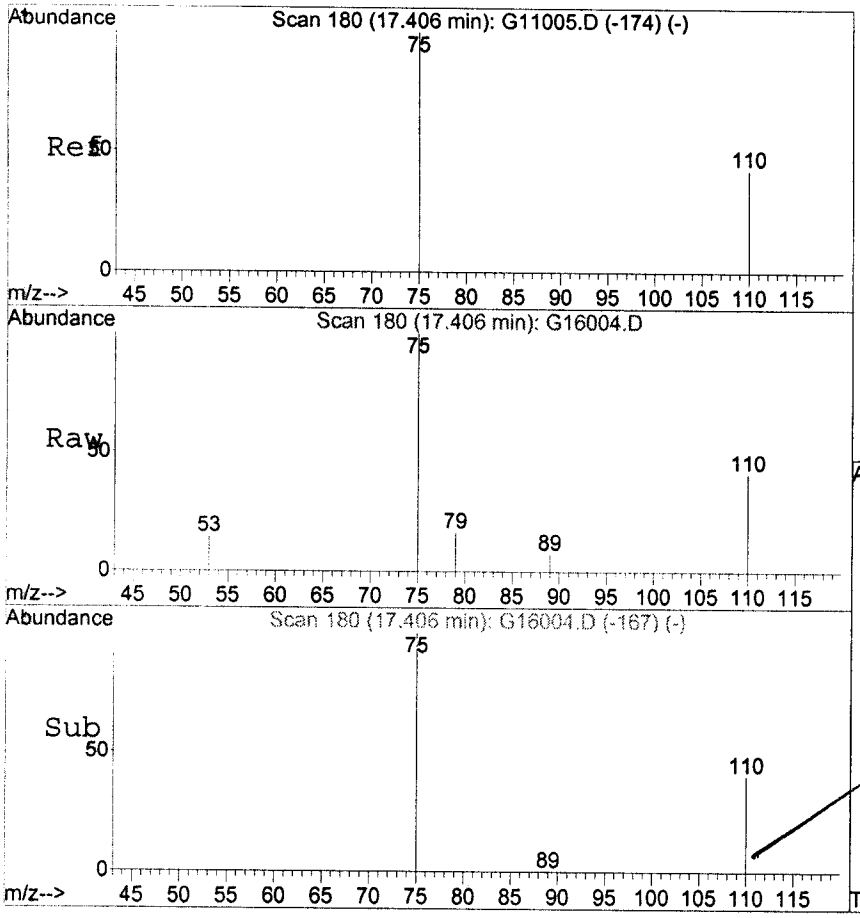
Data File : C:\DATA\07JUL16\G16004.D
Acq On : 16 Jul 2007 12:00 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:04 2007

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

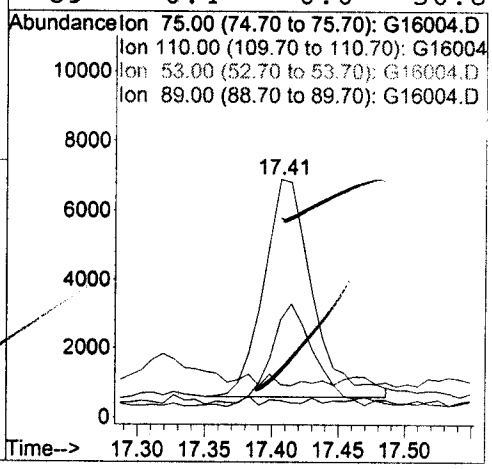




#2
1,2,3-Trichloropropane
Concen: 48.60 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G16004.D
Acq: 16 Jul 2007 12:00 pm

Tgt Ion: 75 Resp: 15940

Ion	Ratio	Lower	Upper
75	100		
110	42.1	11.2	71.2
53	1.9	0.0	30.0
89	0.4	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16005.D
Acq On : 16 Jul 2007 12:32 pm
Sample : C7G1605-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:17 2007

Vial: 5
Operator: PM
Inst : GCMS3
Multiplr: 1.00

7/17/07

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	17840	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	1613	4.99 ng/L	86

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

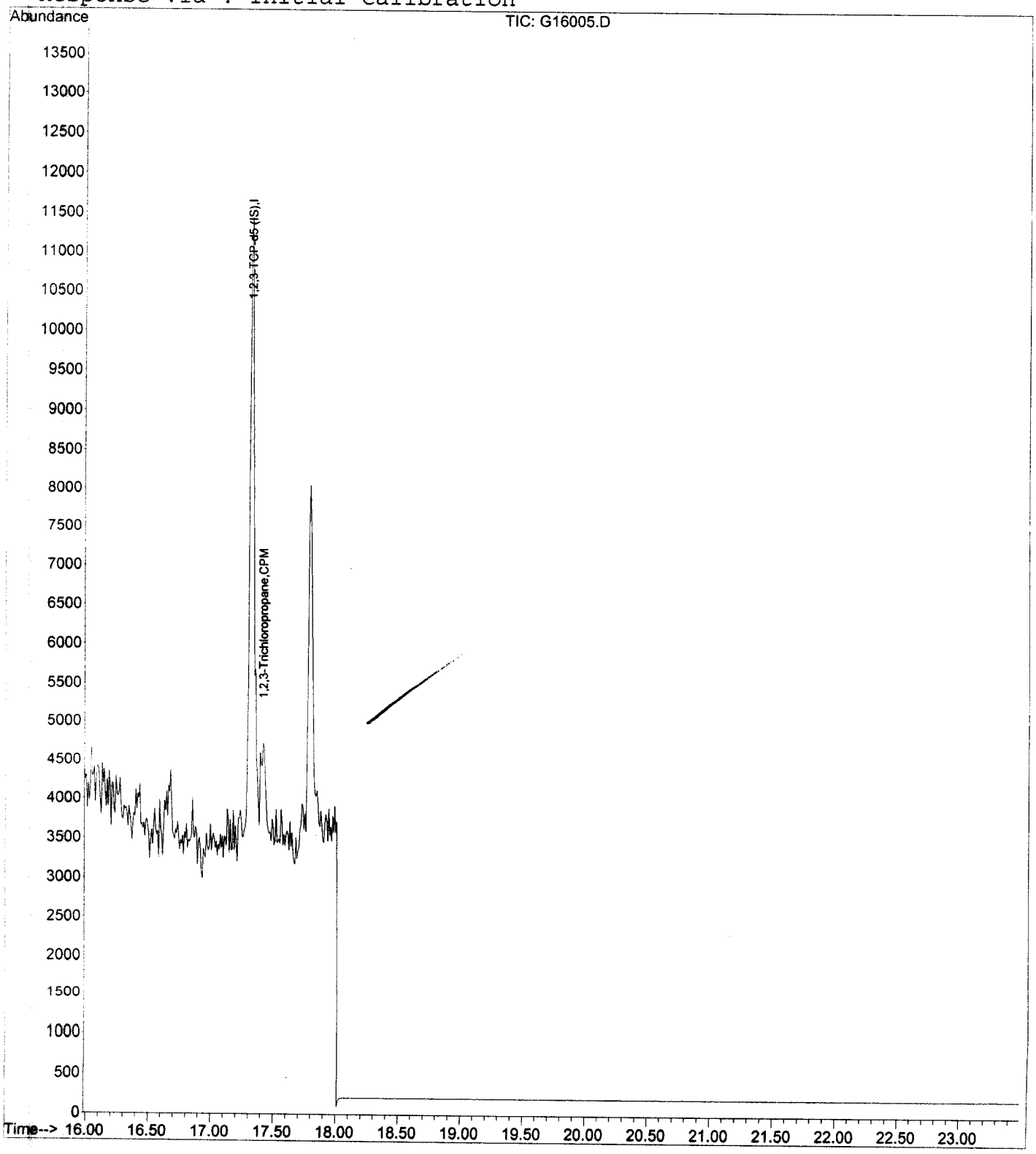
Quantitation Report (Not Reviewed)

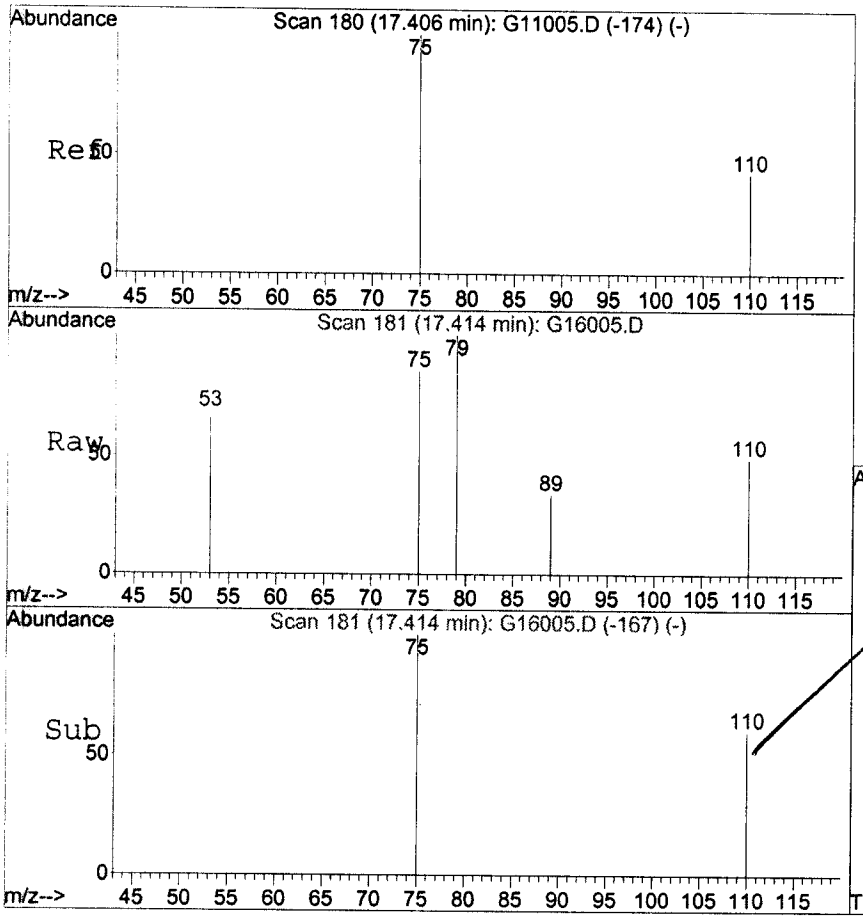
Data File : C:\DATA\07JUL16\G16005.D
Acq On : 16 Jul 2007 12:32 pm
Sample : C7G1605-BS1
Misc : 25mL w/ 5ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 2007

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

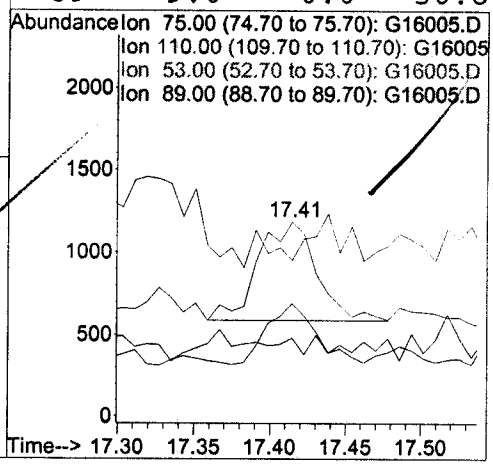




#2
1,2,3-Trichloropropane
Concen: 4.99 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G16005.D
Acq: 16 Jul 2007 12:32 pm

Tgt Ion: 75 Resp: 1613

Ion	Ratio	Lower	Upper
75	100		
110	50.2	11.2	71.2
53	11.6	0.0	30.0
89	9.0	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16006.D
Acq On : 16 Jul 2007 1:05 pm
Sample : C7G1605-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:18 2007

Vial: 6
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/17/07

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	17466	50.00 ng/L	0.00

Target Compounds	Qvalue

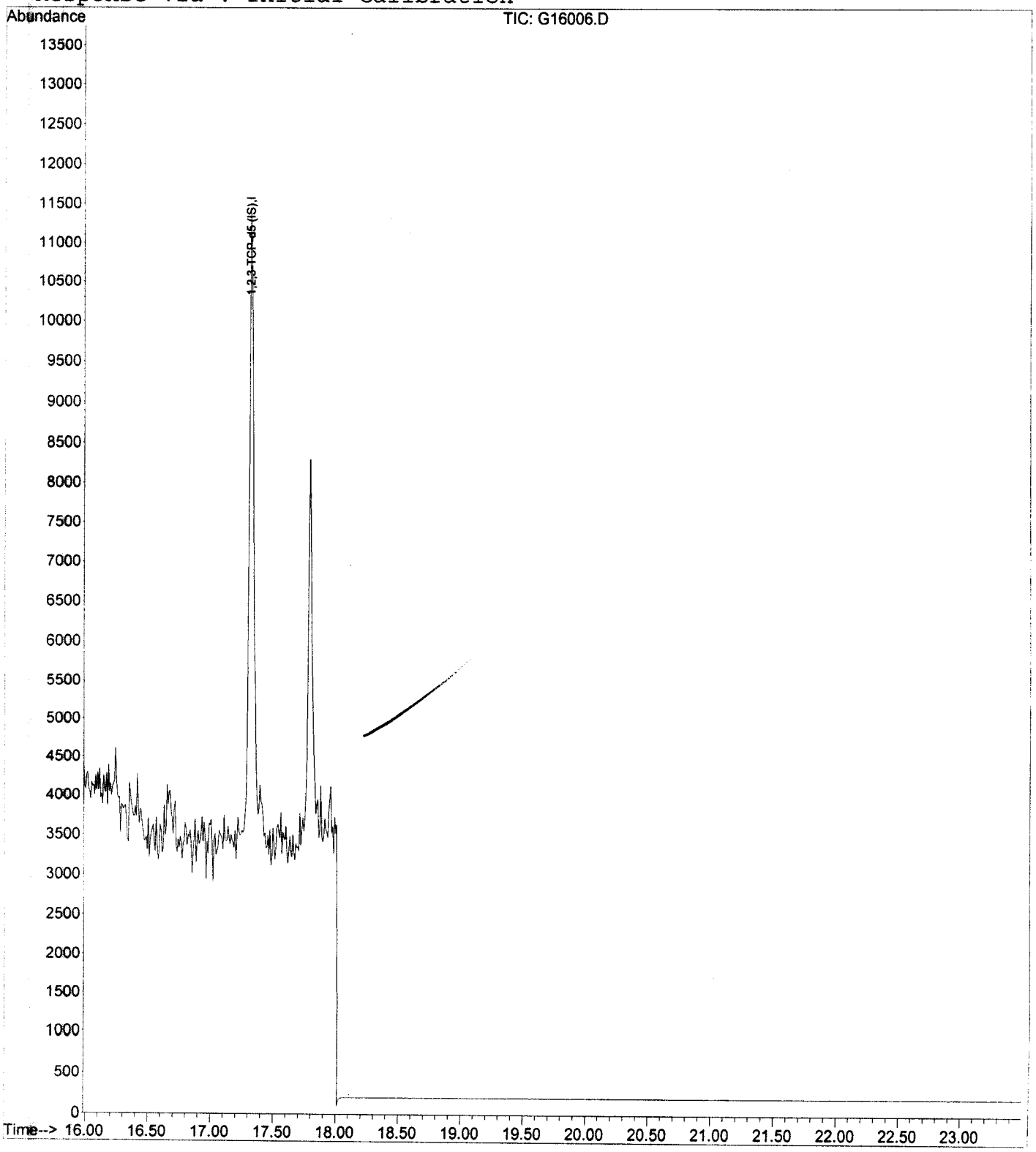
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16006.D
Acq On : 16 Jul 2007 1:05 pm
Sample : C7G1605-BLK1
Misc : 25mL w/ #7060081
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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\07JUL16\G16007.D
Acq On : 16 Jul 2007 1:59 pm
Sample : CQG0323-03
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:21 2007

Vial: 7
Operator: PM
Inst : GCMS99
Multiplr: 1.00

7/17/07

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	18690	50.00	ng/L	0.00

Target Compounds	Qvalue

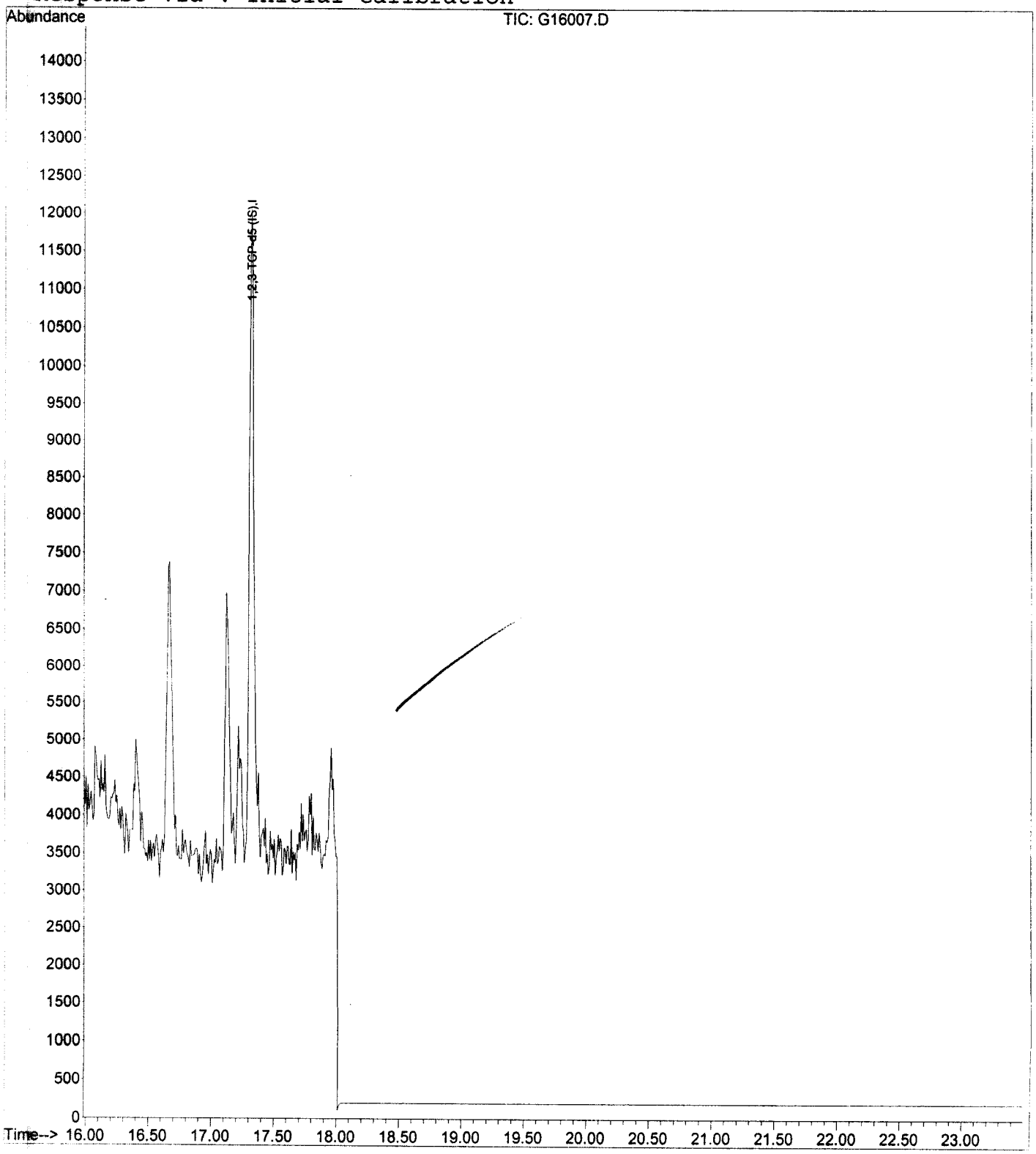
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16007.D
Acq On : 16 Jul 2007 1:59 pm
Sample : CQG0323-03
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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 12:36:02 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16008.D
Acq On : 16 Jul 2007 2:31 pm
Sample : CQG0323-04
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:23 2007

Vial: 8
Operator: PM
Inst : GCMS19
Multiplr: 1.00

7/17/07

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	20886	50.00	ng/L	0.00

Target Compounds Qvalue

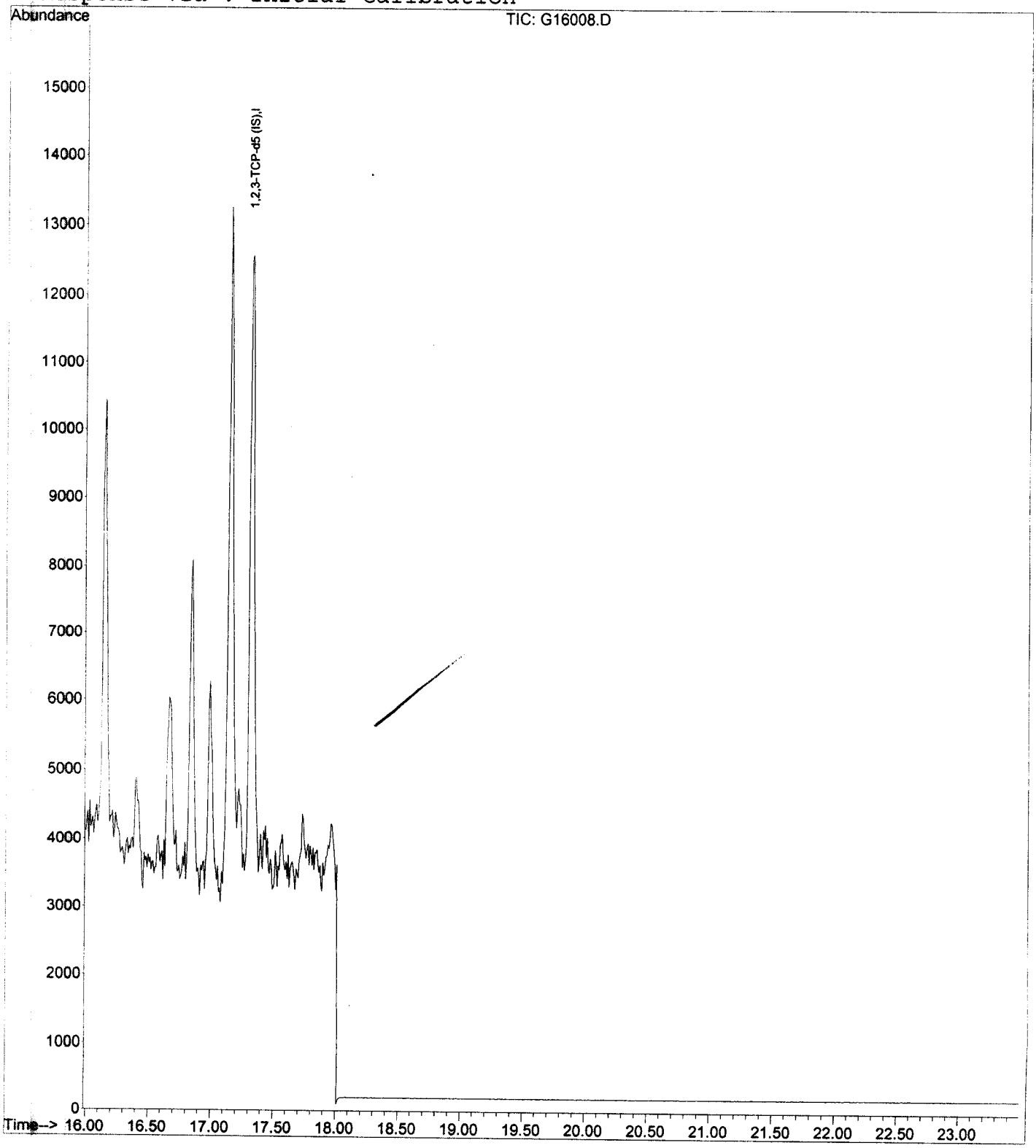
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16008.D
Acq On : 16 Jul 2007 2:31 pm
Sample : CQG0323-04
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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\07JUL16\G16009.D
Acq On : 16 Jul 2007 3:04 pm
Sample : C7G1605-MS1
Misc : 25mL w/ #7060083; 323-04
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:25 2007

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

7/17/07

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	25045	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	19289	42.53 ng/L	96

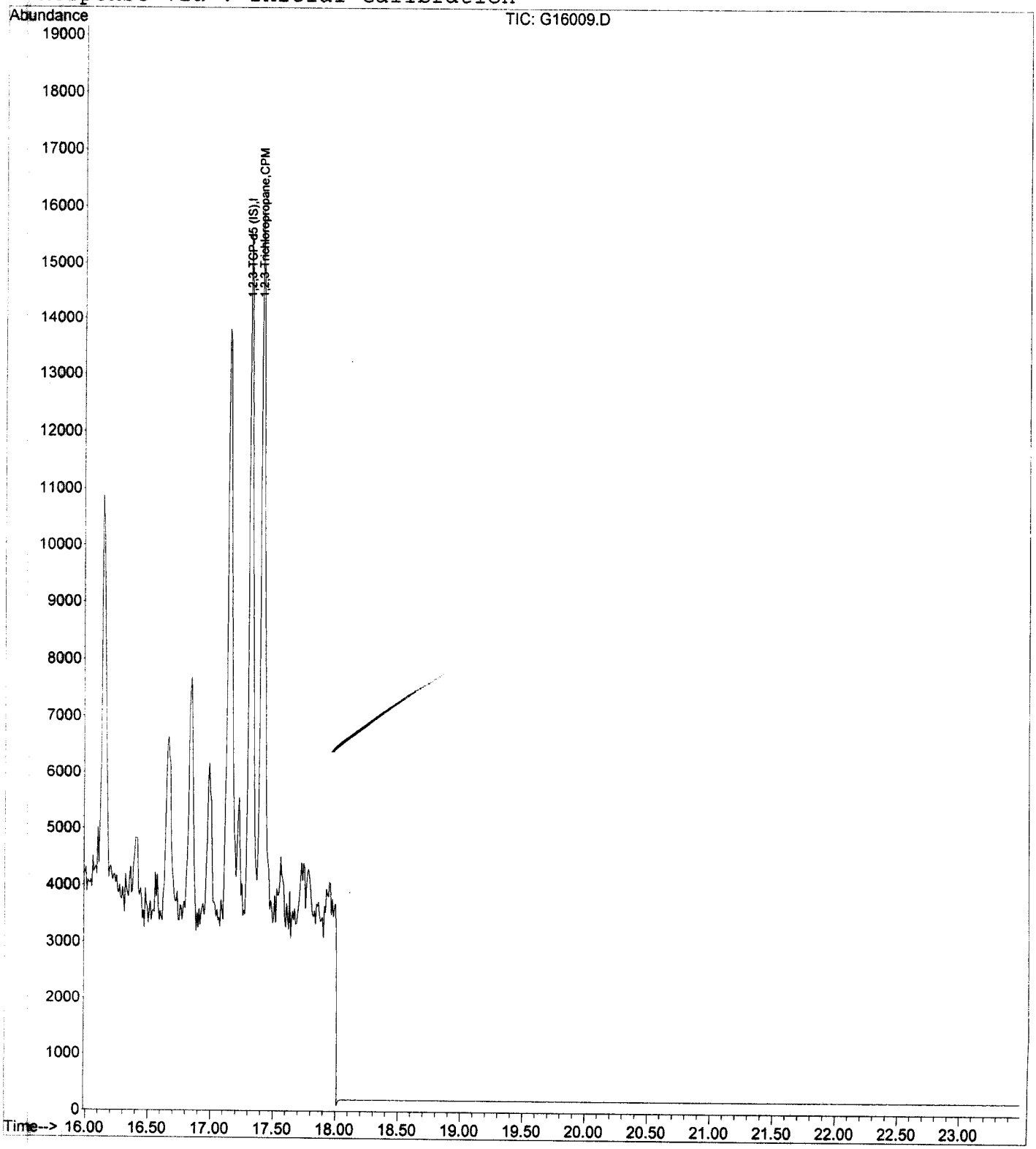
(#) = qualifier out of range (m) = manual integration (+) = signals summed

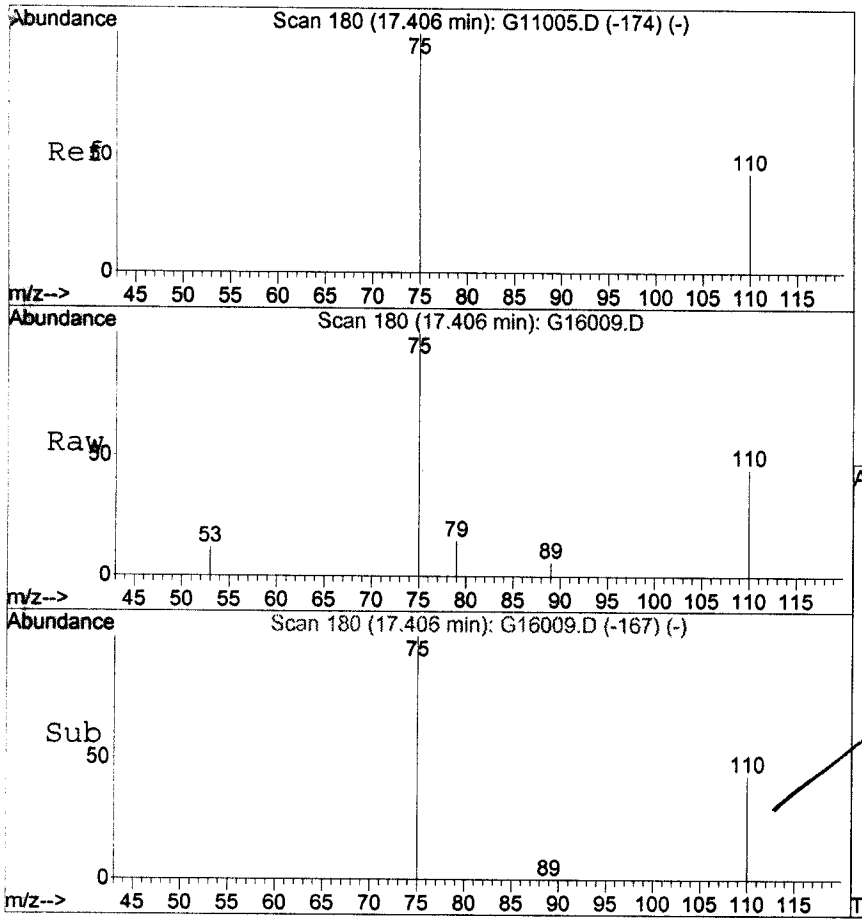
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16009.D
Acq On : 16 Jul 2007 3:04 pm
Sample : C7G1605-MS1
Misc : 25mL w/ #7060083; 323-04
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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

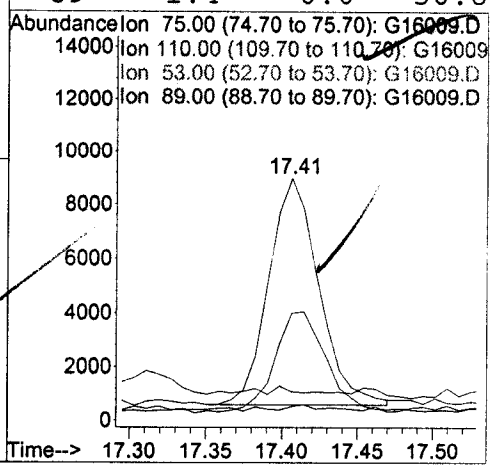




#2
1,2,3-Trichloropropane
Concen: 42.53 ng/L
RT: 17.41 min Scan# 180
Delta R.T. -0.00 min
Lab File: G16009.D
Acq: 16 Jul 2007 3:04 pm

Tgt Ion: 75 Resp: 19289

Ion	Ratio	Lower	Upper
75	100		
110	44.0	11.2	71.2
53	1.0	0.0	30.0
89	1.4	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16010.D
Acq On : 16 Jul 2007 3:36 pm
Sample : C7G1605-MSD1
Misc : 25mL w/ #7060083; 323-04
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:27 2007

Vial: 10
Operator: PM
Inst : GCMS39
Multiplr: 1.00

7/17/07

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	23302	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	19787	46.89 ng/L	93

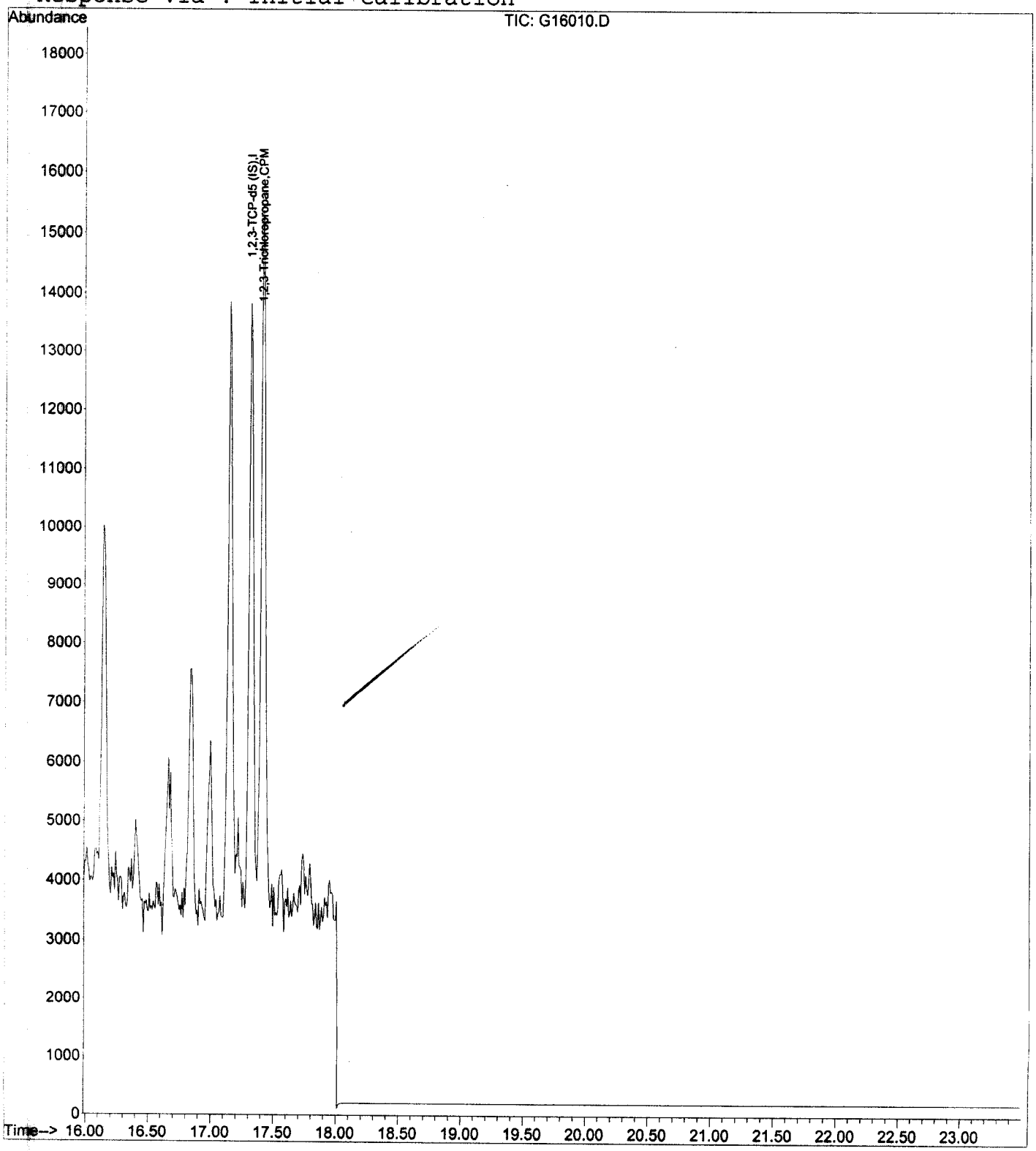
(#) = qualifier out of range (m) = manual integration (+) = signals summed

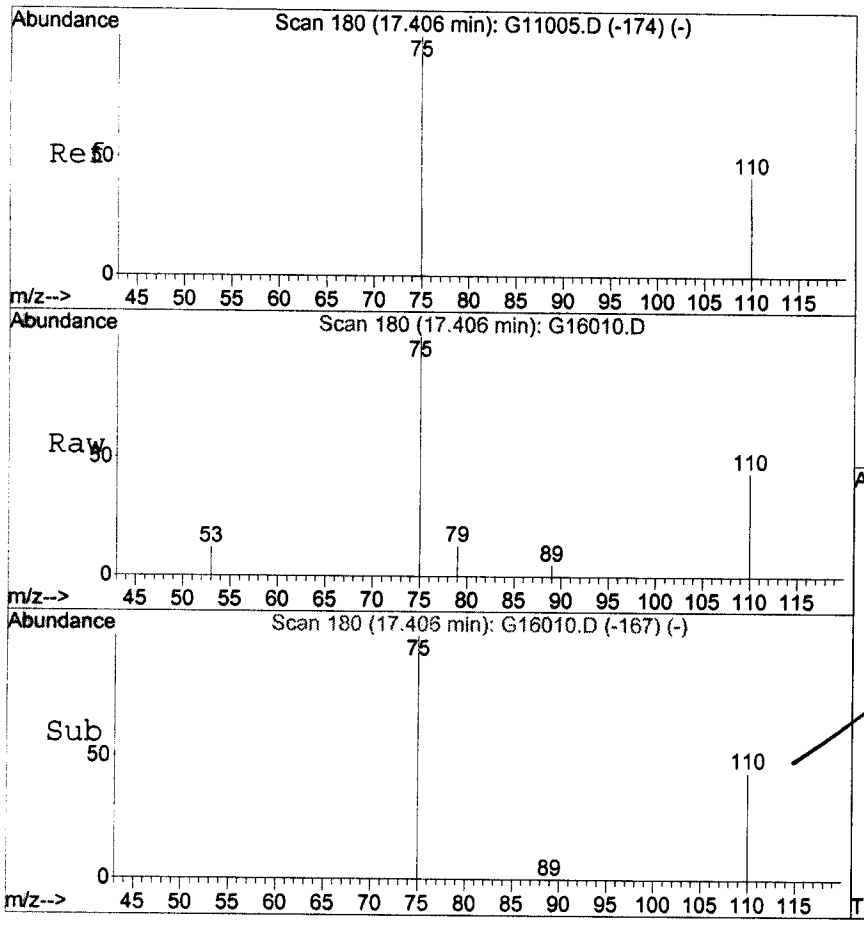
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16010.D
Acq On : 16 Jul 2007 3:36 pm
Sample : C7G1605-MSD1
Misc : 25mL w/ #7060083; 323-04
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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

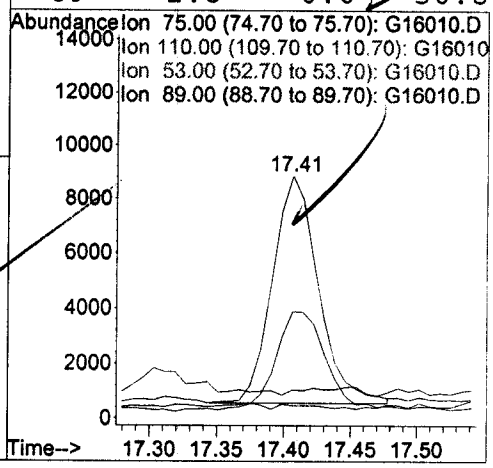




#2
1,2,3-Trichloropropane
Concen: 46.89 ng/L
RT: 17.41 min Scan# 180
Delta R.T. 0.00 min
Lab File: G16010.D
Acq: 16 Jul 2007 3:36 pm

Tgt Ion: 75 Resp: 19787

Ion	Ratio	Lower	Upper
75	100		
110	45.7	11.2	71.2
53	4.2	0.0	30.0
89	1.8	0.0	30.8



Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16011.D
Acq On : 16 Jul 2007 4:09 pm
Sample : CQG0323-05
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05:31 2007

Vial: 11
Operator: PM
Inst : GCMS9
Multiplr: 1.00

7/17/07

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	25282	50.00 ng/L	0.00

Target Compounds Qvalue

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

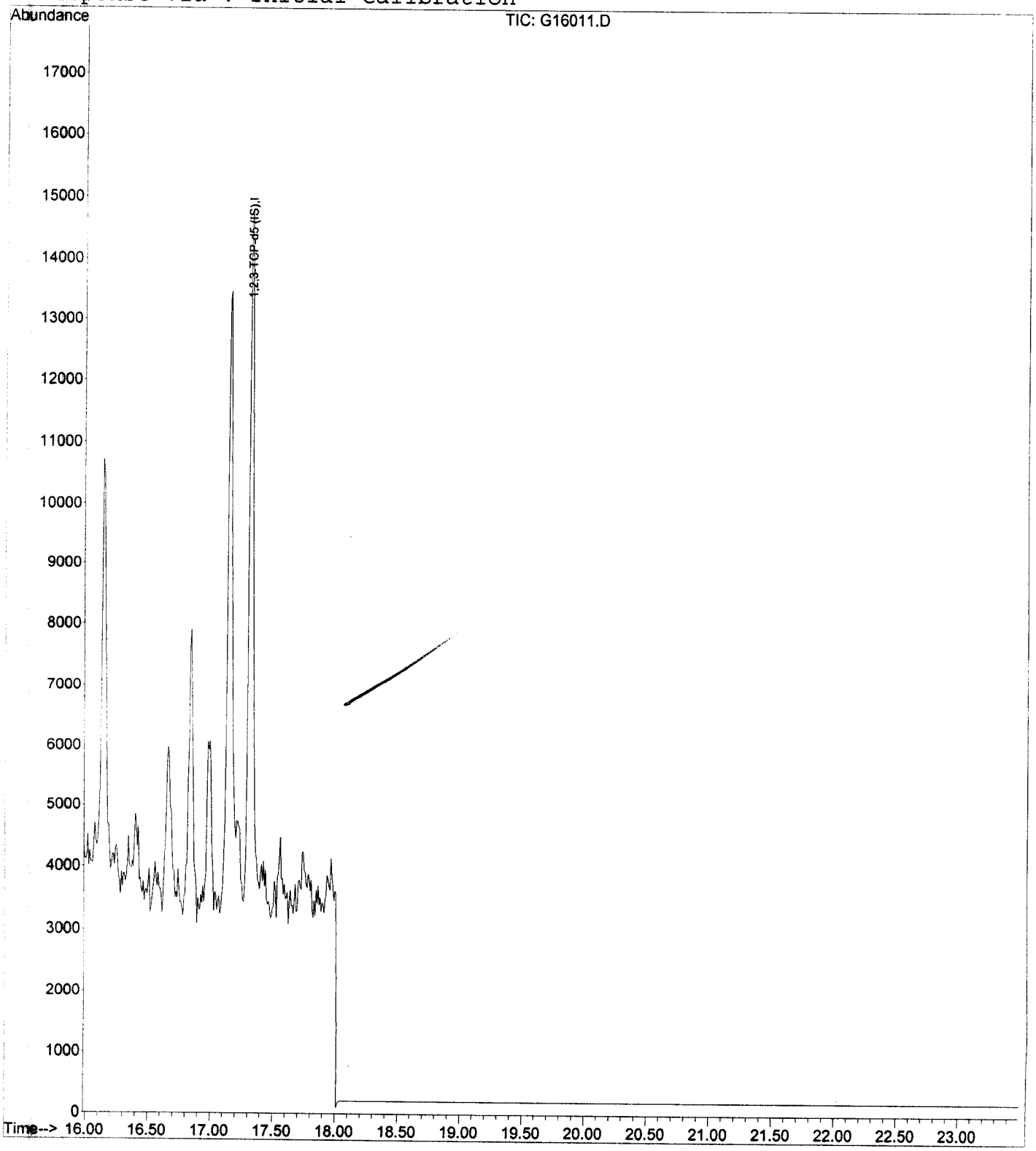
Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16011.D
Acq On : 16 Jul 2007 4:09 pm
Sample : CQG0323-05
Misc : 25mL
MS Integration Params: RTEINT.P
Quant Time: Jul 16 18:05 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



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

7/17/07

File:	G16019.D	**Instrument:**	GCMS39
Operator:	PM		
Date:	16 Jul 2007 8:30 pm	**QC BATCH # :**	CCV

	Source	Response	% Recovery	Control Limits
2) 1,2,3-Trichloropropane	50	47.26	94.5	80-120

* Denotes values out of expected range

Evaluate Continuing Calibration Report

Data File : C:\DATA\07JUL16\G16019.D Vial: 19
Acq On : 16 Jul 2007 8:30 pm Operator: PM
Sample : CCV Inst : GCMS39
Misc : 25mL w/ 50ppt #7060083 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 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	90	0.00
2	CPM	1,2,3-Trichloropropane	0.906	0.856	5.5	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G16019.D 123-TCP071107.M Tue Jul 17 08:05:00 2007

Quantitation Report (Not Reviewed)

Data File : C:\DATA\07JUL16\G16019.D
Acq On : 16 Jul 2007 8:30 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 17 08:04:40 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)	17.31	79	18164	50.00 ng/L	0.00
Target Compounds					Qvalue
2) 1,2,3-Trichloropropane	17.41	75	15546	47.26 ng/L	94

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

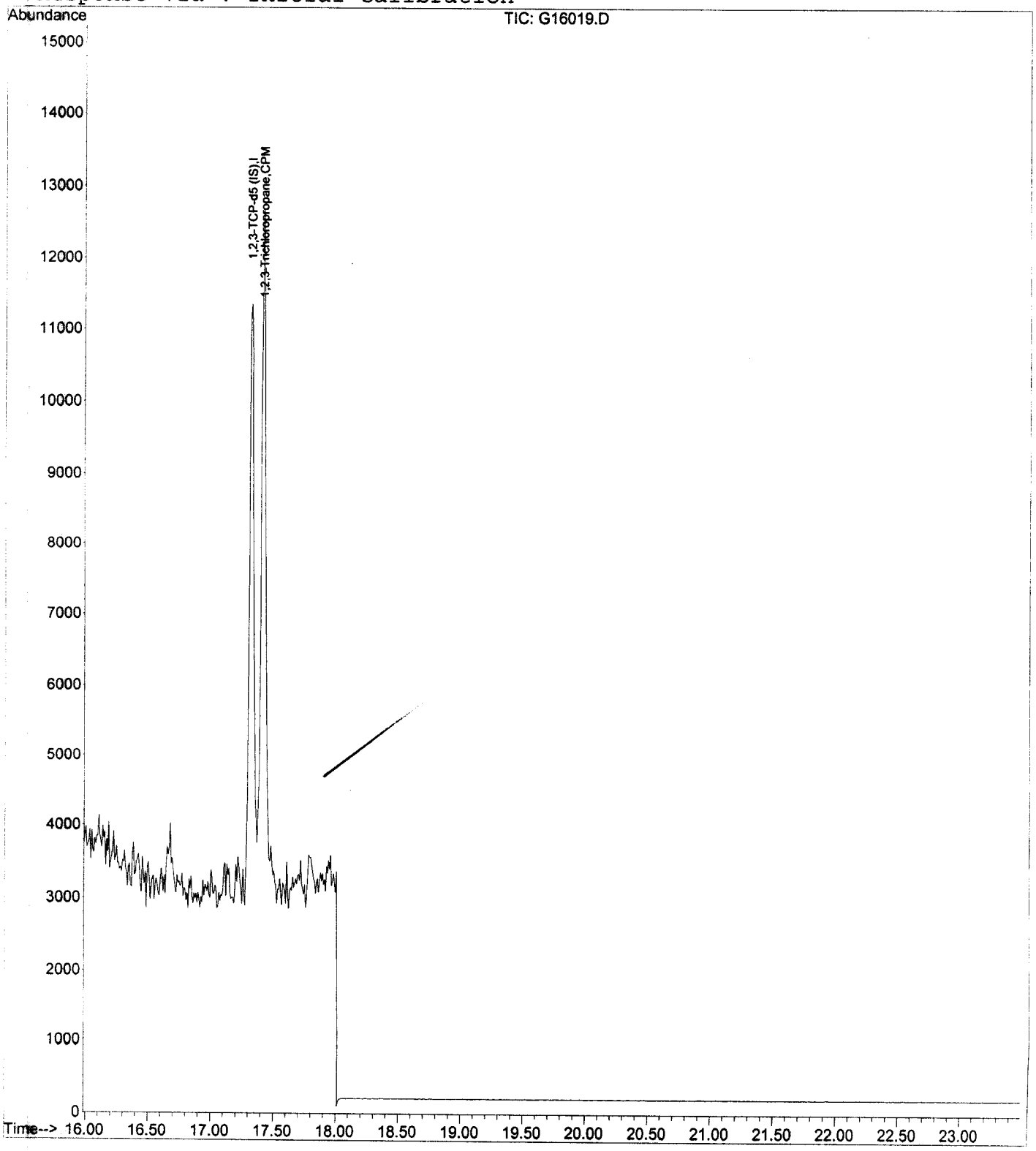
Quantitation Report (Not Reviewed)

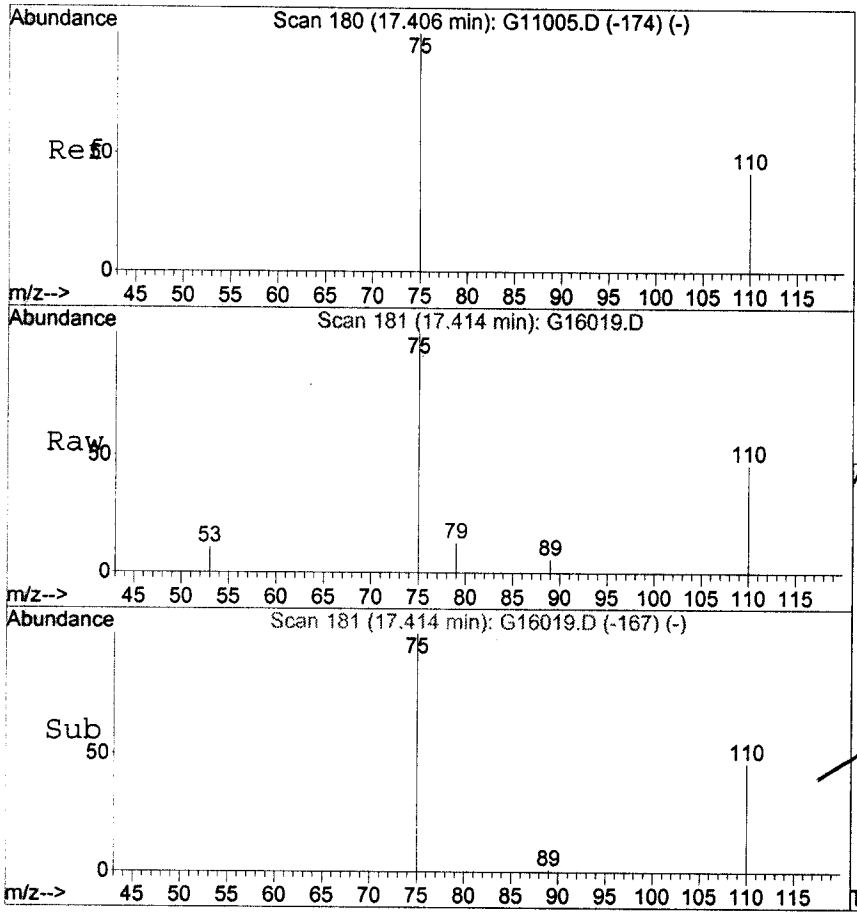
Data File : C:\DATA\07JUL16\G16019.D
Acq On : 16 Jul 2007 8:30 pm
Sample : CCV
Misc : 25mL w/ 50ppt #7060083
MS Integration Params: RTEINT.P
Quant Time: Jul 17 8:04 2007

Vial: 19
Operator: PM
Inst : GCMS39
Multiplr: 1.00

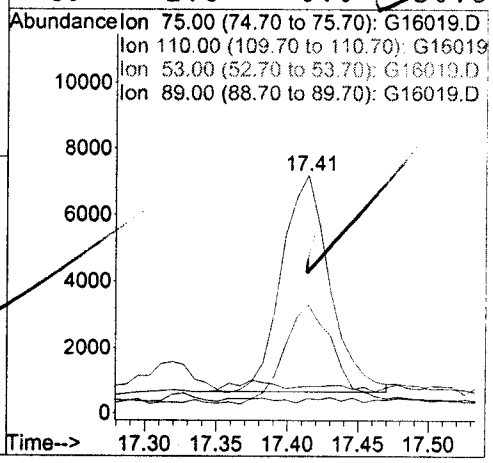
Quant Results File: 123-TCP07110

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: 47.26 ng/L
RT: 17.41 min Scan# 181
Delta R.T. 0.01 min
Lab File: G16019.D
Acq: 16 Jul 2007 8:30 pm

Tgt Ion: 75 Resp: 15546

Ion	Ratio	Lower	Upper
75	100		
110	45.0	11.2	71.2
53	1.3	0.0	30.0
89	1.8	0.0	30.8