



Oxathiapiprolin

**Oxathiapiprolin OD (A20941A) and Oxathiapiprolin SC (A21008A) –
Magnitude of the Residues in or on Brassica Head and Stem Vegetables
Raw Agricultural Commodities Resulting from Foliar Applications of OD and SC
Formulations - USA, 2014**

Final Report

DATA REQUIREMENT(S): EPA 860.1000
EPA 860.1500

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COMPLETION DATE: September 21, 2015

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LABORATORY PROJECT ID: Report Number: TK0221426
ABC Study Number: 81122
Task Number: TK0221426

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VOLUME 1 OF 2 OF STUDY

PAGE 1 OF 415

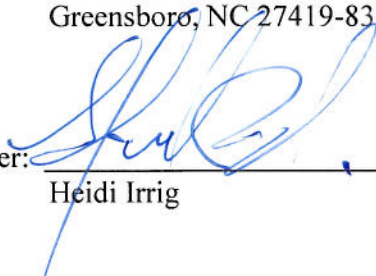
(Includes Page 211A)

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No claim of confidentiality, on any basis whatsoever, is made for any information contained in this document. I acknowledge that information not designated as within the scope of FIFRA sec. 10(d)(1)(A), (B), or (C) and which pertains to a registered or previously registered pesticide is not entitled to confidential treatment and may be released to the public, subject to the provisions regarding disclosure to multinational entities under FIFRA 10(g).

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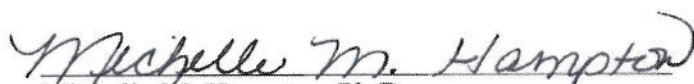
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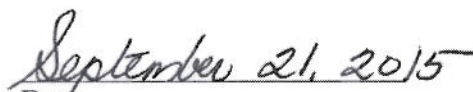
GOOD LABORATORY PRACTICE COMPLIANCE STATEMENT

This study was conducted in accordance with the applicable EPA Good Laboratory Practice Standards (40 CFR Part 160) with the following exceptions:

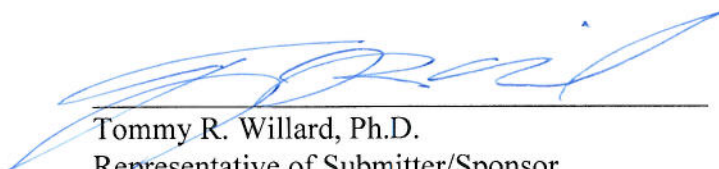
1. Weather data, analysis of soil characteristics, spray mix storage stability data, application of maintenance chemicals, land management, irrigation practices, crop history, depth to water table, field history from grower records, crop growth stage measurements, sample weights determined in the field, percent slope of the test sites, distance to permanent markers, distance between plots, GPS coordinates, and generation of the field plot map were not collected according to the FIFRA-GLP requirements of 40 CFR Part 160.
2. For Trial TK0221426-05, corrections (two minor writeovers) made on page 10 and page 16 were not made according to GLP standards.

None of these exceptions affected the integrity of the study.


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Date

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Tommy R. Willard, Ph.D.
Representative of Submitter/Sponsor


Date

Submitter/Sponsor: Syngenta Crop Protection, LLC
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QUALITY ASSURANCE STATEMENT

The Quality Assurance Unit of The Carringers, Inc. conducted inspections and reported to the Study Director and the Testing Facility Management as indicated below:

Trial Site/Facility	Type of Inspection	Date of Inspection	Date Reported to Study Director	Date Reported to Testing Facility Management
All	Protocol	11-Apr-14	11-Apr-14	11-Apr-14
All	Field Data	21-24-Apr-15	25-Apr-15	25-Apr-15
All	Draft Study Report	24-26-Jul-15	26-Jul-15	26-Jul-15
All	Final Study Report	13-Sep-15	13-Sep-15	13-Sep-15

The Quality Assurance Unit of ABC Laboratories, Inc. conducted inspections and reported to the Study Director and the Testing Facility Management as indicated below:

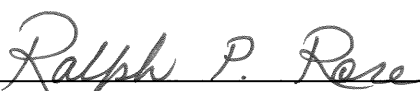
Type of Inspection	Date of Inspection	Date Reported to Study Director	Date Reported to Testing Facility Management
In Process	16-Mar-15	23-Mar-15	23-Mar-15
Raw Data	12, 13-Jun-15, 15-18-Jun-15	14-Aug-15	14-Aug-15
Raw Data and Draft Analytical Report	24, 25-Jun-15	23-Jul-15	23-Jul-15
Draft Analytical Report	23, 24-Jul-15	07-Aug-15	07-Aug-15
Final Analytical Report	15-Sep-15	16-Sep-15	16-Sep-15

The Quality Assurance Unit of each field test site conducted inspections and reported to the Study Director and the Testing Facility Management as indicated below:

Trial Site	Type of Inspection	Date of Inspection	Date Reported to Study Director	Date Reported to Testing Facility Management
TK0221426-01	Application	02-Feb-15	03-Feb-15	03-Feb-15
	Field Notebook/ Raw Data	09-Mar-15	09-Mar-15	09-Mar-15
TK0221426-02	Application	07-Nov-14	23-Dec-14	23-Dec-14
	Field Notebook/ Raw Data	17-Mar-15	18-Mar-15	18-Mar-15
TK0221426-03	Calibration/Application	18-Dec-14	12-Jan-15	12-Jan-15
	Field Notebook/ Raw Data	17-Mar-15	18-Mar-15	18-Mar-15
TK0221426-04	Calibration/Application	08-Aug-14	18-Aug-14	18-Aug-14
	Field Notebook/ Raw Data	12-Oct-14	14-Oct-14	14-Oct-14

QUALITY ASSURANCE STATEMENT (continued)

Trial Site	Type of Inspection	Date of Inspection	Date Reported to Study Director	Date Reported to Testing Facility Management
TK0221426-05	Calibration/Application	08-Aug-14	11-Aug-14	11-Aug-14
	Field Notebook/ Raw Data	05-Dec-14	09-Dec-14	09-Dec-14
TK0221426-06	Sampling	12-Dec-14	23-Dec-14	23-Dec-14
	Field Notebook/ Raw Data	16-Mar-15	17-Mar-15	17-Mar-15



Ralph P. Rose
The Carringers, Inc.
Manager, Quality Assurance



Date

GENERAL INFORMATION

Contributors

The following key personnel contributed to this study in the capacities indicated:

Company	Name	Title
The Carringers, Inc.	Michelle M. Hampton, Ph.D.	Study Director
	Sandra J. Carringer	Project Manager
	Pamela Bruss	Assistant Project Manager
Syngenta Crop Protection, LLC	Nakia R. Smith, M.S.	Study Monitor (April 28, 2014 – Study Conclusion)
	Tommy R. Willard, Ph.D.	Study Monitor (April 16, 2014 – April 27, 2014)
Field Contract Companies and Field Principal Investigators - see table below entitled 'Field Trial Test Facilities'. See the Field Trial Summaries (Appendix 1) for additional contributing personnel.		
ABC Laboratories, Inc	Shawna Rees	Analytical Principal Investigator (April 16, 2015 – Study Conclusion)
	Tim Vincent	Analytical Principal Investigator (April 16, 2014 – April 15, 2015)
	Stacy Simpson	Sample Preparation Supervisor
	See the Analytical Phase Report (Appendix 2) for additional contributing personnel.	

Study Dates

Study Initiation Date: April 16, 2014
 Experimental termination date (analytical phase): March 14, 2015

Regulatory Guidelines

The study was conducted in accordance with the following internationally accepted guidelines and recommendations:

“United States Environmental Protection Agency, Residue Chemistry Test Guidelines, OPPTS 860.1000 (1996), Background”

“United States Environmental Protection Agency, Residue Chemistry Test Guidelines, OPPTS 860.1500 (1996), Crop Field Trials”

Test Substance

AI Name: Oxathiapiprolin
 Syngenta Code: SYN546539
 Formulated Products: A21008A, nominal 1.67 lb ai/gal, suspension concentrate (SC)
 A20941A, nominal 0.83 lb ai/gal, oil dispersion (OD)

Test System

Brassicaceae (Cruciferae), *Brassica oleracea*
 Various cultivars of Broccoli, Cauliflower and Cabbage

Test Facility

The Carringers, Inc.
1003 Palace Court
Apex, NC 27502 USA
(919) 387-0825

Field Trial Facilities

The following is a summary of the field trial information.

Field Trial Number and Performing Laboratory ID	Principal Field Investigator (PFI) Information		
	Name	Company	Address
TK0221426-01	Jillian Gembler	South Texas Ag Research Winter Garden Division	3405 Highway 90 West Uvalde, TX 78801
TK0221426-02	Scott Scheufele	Research For Hire	1696 S. Leggett Street Porterville, CA 93257
TK0221426-03	Araceli Ortiz	Research For Hire	1696 S. Leggett Street Porterville, CA 93257
TK0221426-04	Craig Collins	Collins Agricultural Consultants, Inc.	33668 SW Bald Peak Rd. Hillsboro, OR 97123
TK0221426-05	Scott Palmer	Reality Research	4729-A Preemption Rd. Lyons, NY 14489
TK0221426-06	Araceli Ortiz	Research For Hire	1696 S. Leggett Street Porterville, CA 93257

Soil Characterization Facilities

The PFIs were allowed to utilize soil characterization laboratories of their choosing. The various soil labs used in this study are listed in the following table.

Soil Characterization Laboratory	Laboratory Address
A & L Great Lake Laboratories, Inc	3505 Conestoga Drive, Fort Wayne, IN 46808
AGVISE Laboratories	604 Highway 15 West , PO Box 510 , Northwood, ND 58267

Analytical Facilities

Analytical Laboratory	Laboratory Address
ABC Laboratories, Inc.	7200 E. ABC Lane, Columbia, MO 65202

Archive Locations

The protocol, protocol amendments and deviations, raw data, and reports are archived at the Syngenta Crop Protection Archives, Syngenta Crop Protection, LLC, Greensboro, NC. Facility records generated at the various test sites are archived at the respective test sites' archives. Specimens will be retained at ABC Laboratories, Inc., Columbia, MO, until subsamples are transferred to the Sponsor and/or discard approval is received from the Study Director and sample verification is obtained from the Quality Assurance Unit.

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1.0 EXECUTIVE SUMMARY

Two broccoli, two cauliflower, and two cabbage crop-field trials were successfully conducted in the United States to support the registration of the suspension concentrate (SC) formulation of oxathiapiprolin for foliar application to brassica head and stem vegetables. Residues resulting from the SC formulation (A21008A) were compared to those from the oil dispersion (OD) formulation (A20941A).

One non-treated control plot and two side-by-side treated plots, one for each formulation, were established at each test site. Each treated plot received two foliar applications of oxathiapiprolin at a nominal rate of 0.0623 lb ai/A/application (actual rates ranged 0.0620 to 0.0635 lb ai/A/application; 0.0695 to 0.0712 kg ai/ha/application). The applications were made on a 4 or 5 day retreatment interval with a 0-day pre-harvest interval. Applications occurred on the same day for each treated plot at each trial site. Spray volumes ranged from 22 to 34 gallons per acre (206 to 318 liters per hectare). At each site, the same target spray volume was used for both treated plots. A non-ionic surfactant (NIS), a crop oil concentrate (COC), or a methylated seed oil (MSO) was added to each spray mix at a typical agricultural use rate for the product. At each site, the same spray adjuvant was used for both treated plots.

At all test sites, one non-treated control RAC sample was harvested at maturity, corresponding to 0 days after the last application (DALA) to the treated plots. Duplicate samples from each treated plot were harvested at maturity 0, 2 or 3, and 6 or 7 DALA. The 0-day sampling event corresponded to the proposed label pre-harvest interval (PHI).

Each RAC sample weighed at least 2 kg and consisted of at least 12 broccoli heads/florets, at least 12 cauliflower flower heads/stems or at least 12 cabbage heads with wrapper leaves. The treated samples were collected without bias from at least twelve separate areas of each treated plot while avoiding the ends and border rows of the plots. Samples were placed in frozen storage within 1.67 hours after collection. Frozen RAC samples were shipped via ACDS freezer trucks to ABC Laboratories, Inc. for homogenization and analysis.

Residues of oxathiapiprolin (DPX-QGU42) and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09 in or on broccoli, cabbage and cauliflower were determined using the procedures outlined in DuPont method 30422, Supplement No. 1 entitled, "Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS", dated November 10, 2011 with ABC method modifications, dated November 21, 2014. The limit of quantitation (LOQ), defined as the lowest fortification level, was 0.01 ppm.

Method performance was verified at the laboratory prior to the analysis of the field samples. This was done by fortifying triplicate non-treated control broccoli head/floret, cauliflower head/stem and cabbage leave samples with each analyte at LOQ (0.01 ppm) and at 150× LOQ (1.5 ppm). Individual recoveries ranged from 70 to 108% for broccoli, 63 to 115% for cauliflower and from 76 to 116% for cabbage. For each analyte at all fortification levels and across all of the matrices, the mean recoveries ranged from 68 to 109% with relative standard

deviations of 0.66 to 11. These data demonstrate successful implementation (i.e. acceptable accuracy and precision) of the method at the analytical laboratory.

Concurrent procedural recovery samples were analyzed in conjunction with each analytical set for quality control purposes. Non-treated control samples were fortified with oxathiapiprolin and its metabolites at fortification levels that ranged from LOQ (0.01 ppm) to 150× LOQ (1.5 ppm). These samples were extracted and analyzed according to the same procedure as the study samples. For each analyte at each fortification level, mean recoveries ranged from 73 to 106% for broccoli, 74 to 102% for cauliflower and 82 to 111% for cabbage matrices. For each analyte at all fortification levels and across all of the matrices, the mean recoveries ranged from 76 to 106% with relative standard deviations of 2.7 to 9.8. These data demonstrate acceptable method performance during the conduct of the study.

The field RAC samples were stored frozen (below freezing at the field sites and ca. -20 °C at the analytical laboratory) for 0.8 to 6.7 months from collection to extraction for analysis. Oxathiapiprolin and its metabolites were previously shown to be stable for at least 18 months in several types of commodities (high water, high starch, high acid, high protein, high oil, very dry) when maintained in frozen storage. Therefore, the freezer storage periods encountered in this study should not have had any impact on the residue results.

Residues in treated samples were not corrected for procedural recoveries or for any apparent residues in the associated control samples. No detectable residues or parent oxathiapiprolin or any metabolite were found in any untreated control samples.

After two applications of the SC or OD formulation, there were only quantifiable residues of parent oxathiapiprolin. No quantifiable residues of any of the metabolites were found in any of the treated brassica vegetable samples. Parent oxathiapiprolin data are summarized in the following table. Overall, residues declined as the pre-harvest interval (PHI) increased.

Mean Parent Oxathiapiprolin Residues in Brassica Vegetables from SC and OD Formulations (ppm) ^a							
Sampling Event ^b	Trial Identification						Mean ± SD Across All Sites
	TK0221426 -01 Broccoli	TK0221426 -02 Broccoli	TK0221426 -03 Cauliflower	TK0221426 -04 Cauliflower	TK0221426 -05 Cabbage	TK0221426 -06 Cabbage	
SC Formulation							
0 DALA	0.268	0.237	0.012	0.089	0.466	0.601	0.279 ± 0.214
2 or 3 DALA	0.189	0.243	0.018	0.011	0.238	0.509	0.201 ± 0.179
6 or 7 DALA	0.145	0.104	<0.010	<0.010	0.123	0.510	0.150 ± 0.184
OD Formulation							
0 DALA	0.231	<0.010	<0.010	0.035	0.324	0.484	0.182 ± 0.190
2 or 3 DALA	0.146	<0.010	<0.010	0.013	0.364	0.478	0.170 ± 0.201
6 or 7 DALA	0.141	ND	<0.010	<0.010	0.182	0.406	0.126 ± 0.151

^a Residue values are the mean of the residues from the two replicate samples collected from each plot at each sample event. For mean and standard deviation calculations, 0.01 ppm was used for residues <LOQ, and 0.005 ppm was used for not detected (ND), i.e. no chromatographic signal at the retention time of the analyte.

Values are reported to three decimal places. Residues are not corrected for procedural recoveries.

^b DALA = days after last application; PHI = Pre-harvest Interval

To determine if there was a significant difference in the residues resulting from the suspension concentrate (SC) formulation versus the oil-dispersion (OD) formulation, the parent oxathiapiprolin data from the side-by-side comparison trials were subjected to the Mann-Whitney U test (also called the Wilcoxon rank-sum test), a non-parametric statistical test. The sample distributions were assessed based on grouping the data by PHI across trial sites (broccoli, cauliflower and cabbage) and then by individual trial site across all PHIs. The null hypothesis for each of these tests was that the residue distributions for the SC and OD formulations were drawn from the same population with the alternative hypothesis being that they were from different populations. The results are summarized in the table below. With the exception of trial 02 (across all PHIs), the data indicate that the residues resulting from SC and OD formulations are not statistically different. For trial 02, the residue values from the OD formulation were all less than the limit of quantitation of the analytical method.

Summary of Mann-Whitney U Test for Formulations							
Grouping: PHI or Trial ID	Sample Size (n)		Median Oxathiapiprolin Residue (ppm)		$U_{obs} > U_{critical}^a$ ($\alpha=0.05$)	Two-tailed p-value	Mann-Whitney Result
	SC	OD	SC	OD			
0 DALA	12	12	0.247	0.124	48.0 > 37	0.1719	Accept Null Hypothesis; The Results are Not Significantly Different
2 or 3 DALA	12	12	0.215	0.0725	55.0 > 37	0.3450	
6 or 7 DALA	12	12	0.119	0.0565	63.0 > 37	0.6132	
TK0221426-01	6	6	0.193	0.171	14.0 > 5	0.5714	Accept Null Hypothesis; The Results Not Significantly Different
TK0221426-03	6	6	0.0123	<LOQ	6.0 > 5	0.0606	
TK0221426-04	6	6	0.0105	0.0133	16.5 > 5	0.8701	
TK0221426-05	6	6	0.238	0.293	16.0 > 5	0.7879	
TK0221426-06	6	6	0.582	0.428	7.0 > 5	0.0931	
TK0221426-02	6	6	0.208	<LOQ	0.0 < 5	0.0022	Reject Null Hypothesis; The Results Are Significantly Different

^a The value of $U_{critical}$ is found using a U test table and is determined by the combination of sample-sizes (n_1 and n_2), the confidence level (α), and whether test is one or two-tailed.

The residue data produced from the treated plots of this study indicate (except trial 2 across PHIs but all OD residues <LOQ) that the levels of oxathiapiprolin resulting from the use of the SC or OD formulations will not be significantly different, and therefore, support the use of oxathiapiprolin formulated as A21008A (SC) on brassica head and stem vegetables per the agricultural practices studied.

2.0 INTRODUCTION

Oxathiapiprolin, 1-(4-(4-(5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl)-2-thiazolyl)-1-piperidinyl)-2-(5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl)ethanone (CAS Name), also called SYN546539 or DPX-QGU42, is a broad spectrum fungicide for control of diseases in a wide variety of crops.

This study was conducted to determine the effect of formulation type on residues on brassica vegetables resulting from foliar applications of oxathiapiprolin SC (suspension concentrate) and oxathiapiprolin OD (oil dispersion) formulations. The results of this study support formulation bridging as outlined in the Residue Chemistry Test Guidelines, OPPTS 860.1500 (Crop Field Trials) and fulfil the requirements for registration of pesticides in the U.S.

3.0 MATERIALS AND METHODS

3.1 Field Procedures

The details of each trial may be found in the Field Trials Summaries which are provided as Appendix 1.

3.1.1 Field Locations

Two broccoli, two cauliflower and two cabbage crop-field trials were successfully conducted in the United States to support the registration of the suspension concentrate (SC) formulation of oxathiapiprolin for foliar application to brassica head and stem vegetables.

NAFTA Growing Region	Trials Completed/Submitted	Crop	Trial No.	Trial Location
1	1	Cabbage	TK0221426-05	Alton, NY
6	1	Broccoli	TK0221426-01	Uvalde, TX
10	3	Broccoli	TK0221426-02	King City, CA
		Cauliflower	TK0221426-03	Porterville, CA
		Cabbage	TK0221426-06	Porterville, CA
12	1	Cauliflower	TK0221426-04	Hillsboro, OR
Total	6	--	--	--

3.1.2 Study Site Information

The test crop was grown and maintained according to typical agricultural practices for the geographical region. The soil characteristics and meteorological data (from application through sampling) for each field trial site are presented in the following table.

Trial Identification (City, State/Year)	Soil Characteristics				Meteorological Data	
	Textural Class	%OM ^a	pH	CEC ^a (meq/100g)	Overall Monthly Rainfall Range (inches) ^b	Overall Temp Range (Monthly Mean Min/Max, °F)
TK0221426-01 (Uvalde, TX/2014)	Clay	2.2	7.8	39.8	0.54 - 2.50	37 / 65
TK0221426-02 (King City, CA/2014)	Clay Loam	1.5	8.3	32.9	0.56	43 / 72
TK0221426-03 (Porterville, CA/2014)	Sandy Clay Loam	2.0	7.1	25.3	2.93	40 / 61
TK0221426-04 (Hillsboro, OR/2014)	Silt Loam	1.6	5.1	14.4	0.08	56 / 85
TK0221426-05 (Alton, NY/2014)	Loam	2.9	7.6	17.3	5.46	57 / 76
TK0221426-06 (Porterville, CA/2014)	Sandy Loam	0.80	7.9	13.2	2.93	40 / 61

^a OM = Organic Matter; CEC = Cation Exchange Capacity

^b When only one value is entered for rainfall range, the time period from application through sampling occurred in one month.

Rainfall and temperature data summarized above are representative of the time period from application through sampling (whole months unless otherwise indicated) for each trial. The weather (trial period vs. historical norms) was considered typical through the study period with the following exceptions: temperatures were cooler than normal during late spring and August had twice the normal rainfall in Alton, NY (Trial TK0221426-05). Irrigation was used to supplement as needed at various trial sites and is documented accordingly in the Field Trial Summary (see Appendix 1).

3.1.3 Test Substances

End Use Products	
End-use Product	Oxathiapiprolin SC
Syngenta Design Code	A21008A
Test Item/Substance	DPX-QGU42-353
Batch/Lot Number	D100075-118-1
Formulation Type	Suspension Concentrate (SC)
Nominal A.I. Content	200 g/L (18.7% w/w) or 1.67 lb ai/gal (used for spray mix calculations)
SOLO Batch ID	730514
GLP Certified Active Concentration	210.9 g/L (19.6% w/w)
Date of GLP Analysis	January 30, 2014
Expiration Date	January 30, 2017

End Use Products (continued)	
End-use Product	Oxathiapiprolin OD
Syngenta Design Code	A20941A
Test Item/Substance	DPX-QGU42-347
Batch/Lot Number	D100075-117-1
Formulation Type	Oil Dispersion (OD)
Nominal A.I. Content	100 g/L or 0.83 lb ai/gal (used for spray mix calculations)
SOLO Batch ID	730513
GLP Certified Active Concentration	103.7 g/L (10.5% w/w)
Date of GLP Analysis	October 22, 2013
Expiration Date	October 22, 2016

Active Ingredient	
Common Name:	Oxathiapiprolin
Company Experimental Names:	SYN546539 (aka DPX-QGU42)
CAS Name:	1-(4-(4-(5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl)-2-thiazolyl)-1-piperidinyl)-2-(5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl)ethanone
CAS Number:	1003318-67-9
IUPAC	1-(4-{4-((5 <i>RS</i>)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl)-1,3-thiazol-2-yl}-1-piperidyl)-2-(5-methyl-3-(trifluoromethyl)-1 <i>H</i> -pyrazol-1-yl)ethanone

3.1.4 Treatments

All of the formulation bridging trials consisted of three plots, one non-treated control (Trt 1) and two side-by-side treated plots (Trt 2 and Trt 3).

Nominal Treatment Regime ^a						
Trt ID-App No.	End-Use Product	Application Type	Rate (lb ai/A)	Spray Volume (GPA)	Application Timing	Adjuvant ^b
1	None	--	Control	--	--	NA
2-1	A21008 (SC)	Broadcast Foliar	0.0623	20 - 40	5 DBH	NIS, COC, or MSO
2-2		Broadcast Foliar	0.0623	20 - 40	0 DBH	
3-1	A20941A (OD)	Broadcast Foliar	0.0623	20 - 40	5 DBH	
3-2		Broadcast Foliar	0.0623	20 - 40	0 DBH	

^a Trt = treatment; ID = identification; App = application; No. = number; GPA = gallons per acre; NA = not applicable

^b The applications included an adjuvant at typical agricultural use rates.

NIS = non-ionic surfactant; COC = crop oil concentrate; MSO = methylated seed oil

The applications for Trt 2 and Trt 3 occurred on the same day for each application event. The spray mixtures for each application to each plot included an adjuvant. At each trial site, the same adjuvant was used for Trt 2 and Trt 3.

3.1.5 Field Sampling and Transport

At all test sites, one non-treated control RAC sample was harvested at maturity, corresponding to 0 days after the last application (DALA) to the treated plots. Duplicate samples from each treated plot were harvested at maturity 0, 2 or 3, and 6 or 7 DALA. The 0-day sampling event corresponded to the proposed label pre-harvest interval (PHI).

Duplicate samples were collected by making two separate passes through the treated plot(s). At each site, the non-treated plot was harvested before the treated plots to avoid contamination. All of the RAC samples weighed at least 2 kg and were collected from at least 12 plants. For trials -01 and -02, the RAC samples consisted of at least 12 broccoli heads or florets. For trials -03 and -04, the RAC samples consisted of at least 12 cauliflower heads and stems. For trials -05 and -06, 12 cabbage heads with wrapper leaves were collected and subsampled as follows: each cabbage head was sectioned from crown to stem base into four (4) parts, two opposing quarters were randomly collected from each head so that each sample consisted of 24, one-quarter heads, and the remaining two-quarters of each cabbage head were discarded.

After collection, crop samples from all trials, except trial 02, were placed in freezer storage within 1.67 hrs after collection from the field. For trial 02, cauliflower samples were immediately put on dry ice in a cooler and frozen in the field then transferred to a freezer 6.35 hrs after collection. All samples were stored frozen at the field trial sites until shipment to the laboratory. Crop samples were shipped via freezer trucks from the field trial sites to the analytical laboratory.

3.2 Lab Sample Handling and Preparation

Upon receipt at the laboratory, all samples were transferred to a limited-access freezer for storage where they remained until they were processed/ground or weighed for analysis. All samples were logged in according to ABC Laboratories' SOPs using the original sample numbers assigned to them. Freezer storage temperatures were monitored on a daily basis and were at approximately -20 °C.

All brassica vegetable samples were ground in either a Robot Coupe RSI23 or RSI45 to a homogeneous consistency in the presence of dry ice. The ground samples were placed in frozen storage (approximately -20 °C) immediately after grinding where the dry ice was allowed to sublime prior to weighing the samples for extraction.

The crop sample history, sampling date(s), maximum storage intervals prior to analysis, etc. are presented in Table 1.

3.3 Analytical Procedures

The analytical phase was performed by ABC Laboratories, Inc., Columbia, MO.

3.3.1 Reference Substances

Reference substances were used for fortification of method recovery/verification samples and for calibration to quantify the residues in the samples. Standards were prepared as outlined in the analytical method and stored in the refrigerator when not in use. The reference standard information, as required by 40 CFR Part 160.185(a)(4) can be found in the Analytical Phase Report (Appendix 2).

3.3.2 Sample Analysis

Samples were analyzed for residues of oxathiapiprolin and metabolites using DuPont-30422, Supplement No. 1, titled “Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS,” dated November 10, 2011 (Reference 1) with ABC method modifications, dated November 21, 2014. The method modifications are reported in the Analytical Phase Report (Appendix 2).

Oxathiapiprolin and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09, were extracted from brassica vegetable RAC samples with acetonitrile:water:formic acid (12:4:0.1, v/v) via triplicate homogenization using a Geno/grinder[®]. After each homogenization, samples were centrifuged, the supernatants decanted and the extracts were brought to a known volume with acetonitrile. An aliquot of the extracts were diluted with either acetonitrile:1% formic acid (30:70, v/v) for non-polar analytes or 1% formic acid in water for polar analytes and then residues determined by LC-MS/MS.

The LC-MS/MS system was calibrated by analysis of external matrix matched calibration standards ranging in concentration from 0.05-5.0 ng/mL. Peak areas, calibration curves, and sample solution concentrations were determined using the instrument data system. A validated software application was used to create a best-fit standard curve (from a set of standard concentrations in ng/mL versus peak response) based on linear regression and to then determine concentrations of the analytes found during sample analysis. Weighting (1/x) was used in construction of the standard curve. Samples were diluted and re-injected if needed for quantification against the calibration curve. The performance of the instrument was evaluated during each injection set by monitoring the correlation coefficient of the calibration curve.

The limit of quantitation (LOQ) for each analyte in broccoli, cabbage and cauliflower was 0.01 ppm and was the lowest level at which control samples were fortified during this study.

Detailed information regarding the reference substances, including the GLP certificates of analysis is presented in Analytical Phase Report, Appendix 2. This appendix also includes detailed analytical data such as supporting raw data necessary for re-calculations, representative chromatograms, and example calculations.

4.0 RESULTS AND DISCUSSION

4.1 Storage Stability

Sample handling dates and storage intervals for each sample are shown in Table 1. In a separate study (Reference 2), freezer storage stability was demonstrated for residues of oxathiapiprolin in several types of commodities (high water, high starch, high acid, high protein, high oil, very dry). The parent compound and its metabolites were shown to be stable in various representative crops for at least 18 months.

The samples in this study were analyzed within 0.8 to 6.7 months after sample collection. Sample handling dates and storage intervals for each sample are shown in Table 1. A summary of these data is presented below.

Summary of Frozen Sample Storage Intervals – Oxathiapiprolin + Metabolites					
RAC	Actual Storage Temp.	Maximum Storage Duration	Demonstrated Storage Stability (Reference 2)		
			Duration	Commodity Category	Tested Commodities
Broccoli Heads/Florets	Frozen at Field Test Sites, ca. -20 °C at the Laboratory	3.7 Months	18 Months	High Water	Wheat Forage Tomato
				High Starch	Potato Tuber Wheat Grain
Cauliflower Heads/Stems		6.7 Months		High Acid	Grapes
				High Protein	Dry Bean Seed
				High Oil	Soybean Seed
Cabbage Leaves		6.5 Months		Very Dry	Grape Dry Pomace Wheat Straw

Therefore, residues of oxathiapiprolin and its metabolites in brassica head and stem vegetables should not have been adversely affected by freezer storage during the conduct of this study.

4.2 Method Verification Recovery Data

Prior to the analysis of field samples for this study, the analytical method was verified on broccoli heads/florets, cauliflower heads/stems and cabbage leaves. Non-treated control samples were fortified in triplicate with oxathiapiprolin and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09 at LOQ (0.01 ppm) and at 150× LOQ (1.5 ppm). Individual recoveries ranged from 70 to 108% for broccoli, 63 to 115% for cauliflower and from 76 to 116% for cabbage. For each analyte at each fortification level, across all of the matrices, the mean recoveries ranged from 68 to 109% with relative standard deviations of 0.66 to 11. The verification results are summarized below.

Summary of Method Verification Results ^a						
RAC	Analyte	Fortification Level (ppm)	Number (n)	Recoveries (%)	Mean (%) ±SD ^b	RSD (%) ^b
Broccoli Heads/Florets	Oxathiapiprolin (DPX-QGU42)	0.01	3	77, 96, 85	86 ± 9.5	11
		1.5	3	86, 101, 93	93 ± 7.5	8.0
	IN-SXS67	0.01	3	81, 90, 82	84 ± 4.9	5.8
		1.5	3	92, 90, 98	93 ± 4.2	4.5
	IN-E8S72	0.01	3	89, 86, 86	87 ± 1.7	2.0
		1.5	3	98, 96, 101	98 ± 2.5	2.6
	IN-RZB20	0.01	3	108, 90, 90	96 ± 10	11
		1.5	3	98, 89, 98	95 ± 5.2	5.5
	IN-RZD74	0.01	3	88, 97, 88	91 ± 5.2	5.7
		1.5	3	93, 101, 95	96 ± 4.2	4.3
	IN-WR791	0.01	3	102, 85, 105	97 ± 11	11
		1.5	3	90, 94, 95	93 ± 2.6	2.8
	IN-RDG40	0.01	3	83, 88, 76	82 ± 6.0	7.3
		1.5	3	90, 99, 99	96 ± 5.2	5.4
	IN-Q7H09	0.01	3	78, 87, 70	78 ± 8.5	11
		1.5	3	88, 106, 100	98 ± 9.2	9.4
Cauliflower Heads/Stems	Oxathiapiprolin (DPX-QGU42)	0.01	3	88, 86, 98	91 ± 6.4	7.1
		1.5	3	97, 94, 101	97 ± 3.5	3.6
	IN-SXS67	0.01	3	95, 85, 83	88 ± 6.4	7.3
		1.5	3	94, 100, 95	96 ± 3.2	3.3
	IN-E8S72	0.01	3	99, 87, 90	92 ± 6.2	6.8
		1.5	3	97, 92, 94	94 ± 2.5	2.7
	IN-RZB20	0.01	3	115, 110, 102	109 ± 6.6	6.0
		1.5	3	94, 95, 90	93 ± 2.6	2.8
	IN-RZD74	0.01	3	104, 104, 100	103 ± 2.3	2.2
		1.5	3	93, 97, 95	95 ± 2.0	2.1
	IN-WR791	0.01	3	87, 78, 94	86 ± 8.0	9.3
		1.5	3	96, 94, 94	95 ± 1.2	1.2
	IN-RDG40	0.01	3	72, 68, 63	68 ± 4.5	6.7
		1.5	3	97, 93, 93	94 ± 2.3	2.4
	IN-Q7H09	0.01	3	87, 85, 84	85 ± 1.5	1.8
		1.5	3	95, 91, 94	93 ± 2.1	2.2

^a Recoveries were rounded to whole numbers. Standard deviations and relative standard deviations reported to two significant figures. Recoveries were corrected, if needed, for apparent residues detectable in the associated controls.

^b SD = Standard Deviation; RSD = Relative Standard Deviation = (Standard Deviation ÷ Mean) X 100%.

Summary of Method Verification Results ^a (continued)						
RAC	Analyte	Fortification Level (ppm)	Number (n)	Recoveries (%)	Mean (%) $\pm$ SD ^b	RSD (%) ^b
Cabbage Leaves	Oxathiapiprolin (DPX-QGU42)	0.01	3	86, 76, 81	81 $\pm$ 5.0	6.2
		1.5	3	107, 111, 98	105 $\pm$ 6.7	6.3
	IN-SXS67	0.01	3	84, 89, 100	91 $\pm$ 8.2	9.0
		1.5	3	93, 103, 91	96 $\pm$ 6.4	6.7
	IN-E8S72	0.01	3	85, 86, 90	87 $\pm$ 2.6	3.0
		1.5	3	101, 105, 96	101 $\pm$ 4.5	4.5
	IN-RZB20	0.01	3	106, 86, 96	96 $\pm$ 10	10
		1.5	3	98, 97, 92	96 $\pm$ 3.2	3.4
	IN-RZD74	0.01	3	93, 88, 96	92 $\pm$ 4.0	4.4
		1.5	3	102, 102, 96	100 $\pm$ 3.5	3.5
	IN-WR791	0.01	3	87, 88, 88	88 $\pm$ 0.58	0.66
		1.5	3	99, 100, 93	97 $\pm$ 3.8	3.9
	IN-RDG40	0.01	3	92, 91, 77	87 $\pm$ 8.4	9.7
		1.5	3	101, 109, 100	103 $\pm$ 4.9	4.8
	IN-Q7H09	0.01	3	98, 90, 84	91 $\pm$ 7.0	7.7
		1.5	3	93, 116, 100	103 $\pm$ 12	11

^a Recoveries were rounded to whole numbers. Standard deviations and relative standard deviations reported to two significant figures. Recoveries were corrected, if needed, for apparent residues detectable in the associated controls.

^b SD = Standard Deviation; RSD = Relative Standard Deviation = (Standard Deviation $\div$ Mean) X 100%.

These data demonstrate successful implementation (i.e. acceptable accuracy and precision) of the method at the analytical laboratory.

4.3 Concurrent (Procedural) Recovery Data

Concurrent procedural recovery samples were analyzed in conjunction with each analytical set for quality control purposes. Non-treated control samples were fortified with oxathiapiprolin and its metabolites at levels ranging from 0.01 to 1.5 ppm. These samples were extracted and analyzed according to the same procedure as the study samples. For each analyte at each fortification level, mean recoveries ranged from 73 to 106% for broccoli, 74 to 102% for cauliflower and 82 to 111% for cabbage matrices. For each analyte at all fortification levels and across all of the matrices, the mean recoveries ranged from 76 to 106% with relative standard deviations of 2.7 to 9.8.

Summary of Concurrent Fortification and Procedural Recoveries ^a										
Analyte	Fort. Level (ppm)	No. (n)	Recoveries (%) ^b						Overall Mean±SD ^b	Overall RSD (%) ^b
			Broccoli Heads/Florets		Cauliflower Heads/Stems		Cabbage Leaves			
			Individual	Avg.	Individual	Avg.	Individual	Avg.		
Oxathiapiprolin	0.01	6	75, 70	73	71, 77	74	83, 80	82	76 ± 5.1	6.7
	1.5	6	93, 97	95	101, 99	100	105, 89	97	97 ± 5.7	5.9
IN-SXS67	0.01	6	73, 88	81	80, 95	88	92, 90	91	86 ± 8.3	9.6
	1.5	6	96, 102	99	95, 97	96	102, 92	97	98 ± 5.8	5.8
IN-E8S72	0.01	6	91, 94	93	89, 81	85	88, 79	84	87 ± 5.8	6.7
	1.5	6	101, 102	102	102, 102	102	104, 96	100	101 ± 2.7	2.7
IN-RZB20	0.01	6	95, 85	90	100, 78	89	87, 80	84	88 ± 8.5	9.8
	1.5	6	96, 105	101	95, 100	98	103, 96	100	99 ± 4.2	4.2
IN-RZD74	0.01	6	87, 102	95	93, 90	92	92, 93	93	93 ± 5.0	5.4
	1.5	6	99, 103	101	98, 100	99	106, 94	100	100 ± 4.1	4.1
IN-WR791	0.01	6	99, 92	96	84, 79	82	93, 88	91	89 ± 7.1	7.9
	1.5	6	99, 104	102	103, 99	101	102, 96	99	101 ± 3.0	3.0
IN-RDG40	0.01	6	82, 80	81	97, 84	91	80, 85	83	85 ± 6.4	7.5
	1.5	6	99, 109	104	109, 92	101	113, 93	103	103 ± 9.0	8.8
IN-Q7H09	0.01	6	76, 89	83	97, 89	93	97, 95	96	91 ± 8.0	8.8
	1.5	6	100, 112	106	108, 92	100	115, 106	111	106 ± 8.4	7.9

^a Recoveries were rounded to whole numbers. Standard deviations and relative standard deviations reported to two significant figures. Recoveries were corrected, if needed, for apparent residues detectable in the associated controls.

^b SD = Standard Deviation; RSD = Relative Standard Deviation = (Standard Deviation $\div$ Mean) X 100%.

These data demonstrate that the method performed acceptably during the analysis of the field samples in this study.

4.4 Residue Analysis

4.4.1 Control Sample Results

No detectable residues of parent oxathiapiprolin or any metabolite were found in any non-treated control samples.

4.4.2 Treated Sample Results

Residues were not corrected for procedural recovery results. The residue levels found in the RAC samples (non-treated and treated) are presented in detail in Table 2. There were quantifiable residues of parent oxathiapiprolin only in the brassica head and stem vegetable RAC samples. No quantifiable residues of any of the metabolites were found in any sample from any site and any sampling event. These parent oxathiapiprolin data are summarized in the following table.

Oxathiapiprolin Parent Residues in Broccoli, Cauliflower and Cabbage (Brassica Head and Stem Vegetables) from SC and OD Formulations (ppm) ^a								
Sampling Event	n ^b	Formulation (Treatment)	Min	Max	HAFT ^c	Median	Mean	SD
0 DALA	12	A21008A, SC (Treatment 2)	0.012	0.619	0.601	0.247	0.279	0.214
	12	A20941A, OD (Treatment 3)	<LOQ	0.530	0.484	0.124	0.182	0.190
2 or 3 DALA	12	A21008A, SC (Treatment 2)	<LOQ	0.580	0.509	0.215	0.201	0.179
	12	A20941A, OD (Treatment 3)	ND	0.567	0.478	0.073	0.170	0.201
6 or 7 DALA	12	A21008A, SC (Treatment 2)	<LOQ	0.615	0.510	0.119	0.150	0.184
	12	A20941A, OD (Treatment 3)	ND	0.417	0.406	0.057	0.126	0.151

^a For statistical calculations, 0.01 ppm was used for residues <LOQ, and 0.005 ppm was used for not detected (ND), i.e. no chromatographic signal at the retention time of the analyte. All numbers were rounded and reported to three decimal places.

^b n = number of treated samples

^c HAFT = highest average field trial

4.4.3 Mann-Whitney U Test

To determine if there was a significant difference in the parent residues (no quantifiable metabolite residues) resulting from the two oxathiapiprolin formulations, the data from the side-by-side comparison trials were subjected to the Mann-Whitney U test (also called the Wilcoxon rank-sum test), a non-parametric statistical test (Reference 3). It is commonly used to assess whether two independent samples of observations come from the same distribution. It is more robust than the Student's t test when the sample data are not normally distributed (Reference 4).

The statistical test was used to determine if there were differences in the residue sample distributions resulting from the SC (suspension concentrate) and the OD (oil dispersion) formulations for the dataset including: (a) grouping the data by PHI across all trial sites and (b) grouping the data by trial site across all PHIs. The null hypothesis for each of these groupings was that the distributions for the SC and OD formulations were drawn from the same population with the alternative hypothesis being that they were from different populations. The results of the calculations (Reference 5) are presented in Appendix 3.

Results for the Mann-Whitney tests for the data combined within PHIs are summarized in the table below. These results show that the SC and OD formulation residue samples are both drawn from the same distribution and are not statistically different. This is indicated by $U_{\text{observed}} > U_{\text{critical}}$ and by p-values much greater than the common alpha (α) value of 0.05.

Summary of Mann-Whitney U Test for Formulations: Data Combined within PHI (Across All Trials)							
PHI	Sample Size (n)		Median Oxathiapiprolin Residue (ppm)		$U_{obs} > U_{critical}^a$ ($\alpha=0.05$)	Two-tailed p-value	Mann-Whitney Result
	SC	OD	SC	OD			
0 DALA	12	12	0.247	0.124	48.0 > 37	0.1719	Accept Null Hypothesis; The Results are Not Significantly Different
2 or 3 DALA	12	12	0.215	0.0725	55.0 > 37	0.3450	
6 or 7 DALA	12	12	0.119	0.0565	63.0 > 37	0.6132	

^a The value of $U_{critical}$ is found using a U test table and is determined by the combination of sample-sizes (n_1 and n_2), the confidence level (α), and whether conducting a one or two-tailed test.

Results for the Mann-Whitney tests for the data grouped by trial site are shown in the table below. With the exception of trial 02 (across all PHIs), the data indicate that the residues resulting from SC and OD formulations are not statistically different. For trial 02, the residue values from the OD formulation were all less than the limit of quantitation of the analytical method.

The PHI does influence magnitude of residues (a categorical variable) and by combining the data across all PHIs, the obtained results do not account for the statistically significant effect of PHIs.

Summary of Mann-Whitney U Test for Formulations: Data Combined Within Trials (All PHIs)							
Trial Identification	Sample Size (n)		Median Oxathiapiprolin Residue (ppm)		$U_{obs} > U_{critical}^a$ ($\alpha=0.05$)	Two-tailed p-value	Mann-Whitney Result
	SC	OD	SC	OD			
TK0221426-01	6	6	0.193	0.171	14.0 > 5	0.5714	Accept Null Hypothesis; The Results Not Significantly Different
TK0221426-03	6	6	0.0123	<LOQ	6.0 > 5	0.0606	
TK0221426-04	6	6	0.0105	0.0133	16.5 > 5	0.8701	
TK0221426-05	6	6	0.238	0.293	16.0 > 5	0.7879	
TK0221426-06	6	6	0.582	0.428	7.0 > 5	0.0931	
TK0221426-02	6	6	0.208	<LOQ	0.0 < 5	0.0022	Reject Null Hypothesis; The Results Are Significantly Different

^a The value of $U_{critical}$ is found using a U-test table and is determined by the combination of sample-sizes (n_1 and n_2), the confidence level (α), and whether conducting a one or two-tailed test.

4.4.4 Chromatography and Calibration

Representative chromatograms for control, recovery, treated samples, and reference standards and sample calibration curves for each analyte in brassica head and stem vegetables are shown in the Analytical Phase Report (Appendix 2).

4.5 Circumstances Affecting the Study

All deviations that occurred during the conduct of this study were reported and reviewed by the Study Director. SOP deviations were documented and are maintained in the study file.

A summary of the protocol deviations are presented below. None of these had a negative impact the integrity of the study.

4.5.1 Field Phase Deviations

No protocol deviations were issued for this phase of the study.

4.5.2 Analytical Phase Deviations

One protocol deviation, dated June 19, 2015, was issued to document two low recoveries for Analytical Set#MV1 (LOQ fortification at 68 and 63% for IN-RDG40 in cauliflower).

No method deviations were issued for this phase of the study.

4.6 Statistics and Integrity

Statistical treatment of the data included determination of the mean, median, range, and standard deviation for the residue data; mean, standard deviation, and relative standard deviation for the recovery data; and Mann-Whitney U Tests. Validated software programs in Microsoft Office Excel® 2013 were used to develop these data. GraphPad Prism version 6.00 for Windows, GraphPad Software, was also used for Mann-Whitney U Tests.

Additionally, a linear regression analysis was performed to define each standard curve. The software programs employed to develop these data are outlined in the analytical report (Appendix 2).

Several measures were taken to ensure the quality and integrity of the study. Quality assurance inspected the field and analytical procedures for compliance with good laboratory practices. The inspection dates are provided in the quality assurance unit statement. Study samples and test and reference substances were maintained in secured storage. Freezer temperatures were continuously monitored and recorded.

5.0 CONCLUSIONS

Statistical analysis of the full data set from comparative field trials conducted on brassica head and stem vegetables, at six locations, indicate (with exception of trial 02 across PHIs) that there are no significant differences in oxathiapiprolin residue levels between the SC and OD formulations at $\alpha = 0.05$ significance level. Therefore, oxathiapiprolin residue data generated from application of the OD formulation would also support an identical use pattern with an SC formulation.

6.0 REFERENCES

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2. Vincent, T. 2013. Stability of DPX-QGU42 and Metabolites in Crop Matrices Stored Frozen. Project Number: DUPONT/30046, 66399. Unpublished study prepared by ABC Laboratories, Inc. 299 p. (MRID# 49011204)
3. FAO Manual on the Submission and Evaluation of Pesticide Residues Data for the Estimation of Maximum Residue Levels in Food and Feed, Manual 197, 2009, section 6.4.1. <http://www.fao.org/docrep/012/i1216e/i1216e00.htm>.
4. E. Sawilowsky, S. 2004. Misconceptions Leading to Choosing the t Test over the Wilcoxon Mann-Whitney Test for Shift in Location Parameter. *Journal of Modern Applied Statistical Methods*, Vol. 4 (2):598-600.
5. Mann-Whitney U Test calculations performed using:
(a) "Mann-Whitney U-test Calculator", <http://www.holah.karro.net/Mann-Whitney%20U-test.xls>, accessed and downloaded 22-June-15.
(b) GraphPad Prism version 6.00 for Windows, GraphPad Software, La Jolla California USA, www.graphpad.com.

TABLES SECTION

TABLE 1 Sample History

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date^b	Months in Frozen Storage^c
TK0221426-01 (Uvalde, TX/2014)	28-Jan-15 02-Feb-15	TK0221426-01-001	Broccoli Heads/Florets	1	02-Feb-15	NA	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.1
		TK0221426-01-002	Broccoli Heads/Florets	2	02-Feb-15	0	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.1
		TK0221426-01-003	Broccoli Heads/Florets	2	02-Feb-15	0	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.1
		TK0221426-01-004	Broccoli Heads/Florets	2	05-Feb-15	3	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.0
		TK0221426-01-005	Broccoli Heads/Florets	2	05-Feb-15	3	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.0
		TK0221426-01-006	Broccoli Heads/Florets	2	09-Feb-15	7	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	0.8
		TK0221426-01-007	Broccoli Heads/Florets	2	09-Feb-15	7	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	0.8
		TK0221426-01-008	Broccoli Heads/Florets	3	02-Feb-15	0	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.1
		TK0221426-01-009	Broccoli Heads/Florets	3	02-Feb-15	0	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.1
		TK0221426-01-010	Broccoli Heads/Florets	3	05-Feb-15	3	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.0
		TK0221426-01-011	Broccoli Heads/Florets	3	05-Feb-15	3	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	1.0
		TK0221426-01-012	Broccoli Heads/Florets	3	09-Feb-15	7	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	0.8
		TK0221426-01-013	Broccoli Heads/Florets	3	09-Feb-15	7	09-Feb-15	12-Feb-15	06-Mar-15	11-Mar-15	0.8

^a DALA = days after last application, NA = not applicable

^b Injections for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09) and polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791) made on the same day.

^c The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.

Table 1 Sample History (continued)

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA ^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date ^b	Months in Frozen Storage ^c
TK0221426-02 (King City, CA/2014)	07-Nov-14 12-Nov-14	TK0221426-02-001	Broccoli Heads/Florets	1	12-Nov-14	0	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-002	Broccoli Heads/Florets	2	12-Nov-14	0	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-003	Broccoli Heads/Florets	2	12-Nov-14	0	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-004	Broccoli Heads/Florets	2	14-Nov-14	2	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-005	Broccoli Heads/Florets	2	14-Nov-14	2	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-006	Broccoli Heads/Florets	2	18-Nov-14	6	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.6
		TK0221426-02-007	Broccoli Heads/Florets	2	18-Nov-14	6	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.6
		TK0221426-02-008	Broccoli Heads/Florets	3	12-Nov-14	0	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-009	Broccoli Heads/Florets	3	12-Nov-14	0	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-010	Broccoli Heads/Florets	3	14-Nov-14	2	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-011	Broccoli Heads/Florets	3	14-Nov-14	2	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.7
		TK0221426-02-012	Broccoli Heads/Florets	3	18-Nov-14	6	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.6
		TK0221426-02-013	Broccoli Heads/Florets	3	18-Nov-14	6	11-Dec-14	23-Dec-14	06-Mar-15	11-Mar-15	3.6

^a DALA = days after last application, NA = not applicable

^b Injections for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09) and polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791) made on the same day.

^c The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.

Table 1 Sample History (continued)

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA ^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date ^b	Months in Frozen Storage ^c
TK0221426-03 (Porterville, CA/2014)	18-Dec-14 23-Dec-14	TK0221426-03-001	Cauliflower Head/Stem	1	23-Dec-14	0	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.6
		TK0221426-03-002	Cauliflower Head/Stem	2	23-Dec-14	0	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.6
		TK0221426-03-003	Cauliflower Head/Stem	2	23-Dec-14	0	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.6
		TK0221426-03-004	Cauliflower Head/Stem	2	26-Dec-14	3	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.5
		TK0221426-03-005	Cauliflower Head/Stem	2	26-Dec-14	3	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.5
		TK0221426-03-006	Cauliflower Head/Stem	2	30-Dec-14	7	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.4
		TK0221426-03-007	Cauliflower Head/Stem	2	30-Dec-14	7	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.4
		TK0221426-03-008	Cauliflower Head/Stem	3	23-Dec-14	0	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.6
		TK0221426-03-009	Cauliflower Head/Stem	3	23-Dec-14	0	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.6
		TK0221426-03-010	Cauliflower Head/Stem	3	26-Dec-14	3	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.5
		TK0221426-03-011	Cauliflower Head/Stem	3	26-Dec-14	3	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.5
		TK0221426-03-012	Cauliflower Head/Stem	3	30-Dec-14	7	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.4
		TK0221426-03-013	Cauliflower Head/Stem	3	30-Dec-14	7	13-Jan-15	19-Jan-15	13-Mar-15	14-Mar-15	2.4

^a DALA = days after last application; NA = not applicable

^b Injections for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09) and polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791) made on the same day.

^c The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.

Table 1 Sample History (continued)

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date^b	Months in Frozen Storage^c
TK0221426-04 (Hillsboro, OR/2014)	08-Aug-14 13-Aug-14	TK0221426-04-001	Cauliflower Head/Stem	1	13-Aug-14	NA	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.7
		TK0221426-04-002	Cauliflower Head/Stem	2	13-Aug-14	0	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.7
		TK0221426-04-003	Cauliflower Head/Stem	2	13-Aug-14	0	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.7
		TK0221426-04-004	Cauliflower Head/Stem	2	16-Aug-14	3	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.6
		TK0221426-04-005	Cauliflower Head/Stem	2	16-Aug-14	3	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.6
		TK0221426-04-006	Cauliflower Head/Stem	2	20-Aug-14	7	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.5
		TK0221426-04-007	Cauliflower Head/Stem	2	20-Aug-14	7	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.5
		TK0221426-04-008	Cauliflower Head/Stem	3	13-Aug-14	0	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.7
		TK0221426-04-009	Cauliflower Head/Stem	3	13-Aug-14	0	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.7
		TK0221426-04-010	Cauliflower Head/Stem	3	16-Aug-14	3	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.6
		TK0221426-04-011	Cauliflower Head/Stem	3	16-Aug-14	3	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.6
		TK0221426-04-012	Cauliflower Head/Stem	3	20-Aug-14	7	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.5
		TK0221426-04-013	Cauliflower Head/Stem	3	20-Aug-14	7	20-Aug-14	09-Sep-14	05-Mar-15	10-Mar-15	6.5

^a DALA = days after last application; NA = not applicable

^b Injections for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09) and polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791) made on the same day.

^c The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.

Table 1 Sample History (continued)

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA ^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date	Months in Frozen Storage ^b
TK0221426-05 (Alton, NY/2014)	08-Aug-14 13-Aug-14	TK0221426-05-001	Cabbage Heads with Wrapper Leaves	1	13-Aug-14	NA	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.5
		TK0221426-05-002	Cabbage Heads with Wrapper Leaves	2	13-Aug-14	0	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.5
		TK0221426-05-003	Cabbage Heads with Wrapper Leaves	2	13-Aug-14	0	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.5
		TK0221426-05-004	Cabbage Heads with Wrapper Leaves	2	16-Aug-14	3	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.4
		TK0221426-05-005	Cabbage Heads with Wrapper Leaves	2	16-Aug-14	3	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.4
		TK0221426-05-006	Cabbage Heads with Wrapper Leaves	2	20-Aug-14	7	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.2
		TK0221426-05-007	Cabbage Heads with Wrapper Leaves	2	20-Aug-14	7	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.2
		TK0221426-05-008	Cabbage Heads with Wrapper Leaves	3	13-Aug-14	0	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.5
		TK0221426-05-009	Cabbage Heads with Wrapper Leaves	3	13-Aug-14	0	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.5
		TK0221426-05-010	Cabbage Heads with Wrapper Leaves	3	16-Aug-14	3	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.4
		TK0221426-05-011	Cabbage Heads with Wrapper Leaves	3	16-Aug-14	3	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.4
		TK0221426-05-012	Cabbage Heads with Wrapper Leaves	3	20-Aug-14	7	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.2
		TK0221426-05-013	Cabbage Heads with Wrapper Leaves	3	20-Aug-14	7	21-Aug-14	25-Sep-14	26-Feb-15	28-Feb-15 ^c 27-Feb-15 ^d	6.2

^a DALA = days after last application, NA = not applicable^b The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.^c Injection date for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09).^d Injection date for polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791).

Table 1 Sample History (continued)

Trial ID (City, State/ Year)	Application Dates	Sample No.	Sample Type	Trt No.	RAC Sampling Date	DALA ^a	Date Shipped to Lab	Date Received At Lab	Extraction Date	Injection Date	Months in Frozen Storage ^b
TK0221426-06 (Porterville, CA/2014)	01-Dec-14 05-Dec-14	TK0221426-06-001	Cabbage Heads with Wrapper Leaves	1	05-Dec-14	0	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.2
		TK0221426-06-002	Cabbage Heads with Wrapper Leaves	2	05-Dec-14	0	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.2
		TK0221426-06-003	Cabbage Heads with Wrapper Leaves	2	05-Dec-14	0	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.2
		TK0221426-06-004	Cabbage Heads with Wrapper Leaves	2	08-Dec-14	3	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d}	3.1
		TK0221426-06-005	Cabbage Heads with Wrapper Leaves	2	08-Dec-14	3	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.1
		TK0221426-06-006	Cabbage Heads with Wrapper Leaves	2	12-Dec-14	7	13-Jan-15	19-Jan-15	12-Mar-15	14-Mar-15 ^{c,d}	3.0
		TK0221426-06-007	Cabbage Heads with Wrapper Leaves	2	12-Dec-14	7	13-Jan-15	19-Jan-15	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.0
		TK0221426-06-008	Cabbage Heads with Wrapper Leaves	3	05-Dec-14	0	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.2
		TK0221426-06-009	Cabbage Heads with Wrapper Leaves	3	05-Dec-14	0	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d}	3.2
		TK0221426-06-010	Cabbage Heads with Wrapper Leaves	3	08-Dec-14	3	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d} 16-Mar-15 ^c	3.1
		TK0221426-06-011	Cabbage Heads with Wrapper Leaves	3	08-Dec-14	3	11-Dec-14	23-Dec-14	12-Mar-15	14-Mar-15 ^{c,d}	3.1
		TK0221426-06-012	Cabbage Heads with Wrapper Leaves	3	12-Dec-14	7	13-Jan-15	19-Jan-15	12-Mar-15	14-Mar-15 ^{c,d}	3.0
		TK0221426-06-013	Cabbage Heads with Wrapper Leaves	3	12-Dec-14	7	13-Jan-15	19-Jan-15	12-Mar-15	14-Mar-15 ^{c,d}	3.0

^a DALA = days after last application, NA = not applicable^b The months in frozen storage is the interval between sampling and extraction. The number of days was calculated and then converted to months via the following equation:
Storage (months) = (Number of Days ÷ 365 Days) X 12 Months.^c Injection date for non-polar analytes (DPX-QGU42, IN-RDG40 and IN-Q7H09). If multiple dates for non-polar analytes, then first injection date refers to IN-RDG40 and IN-Q7H09, and the second injection date refers to DPX-QGU42.^d Injection date for polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20 and IN-WR791).

TABLE 2 Residue Results

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-01 (Uvalde, TX/2014)	6	Broccoli (Marathon)	001	Head/ Floret	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head/ Floret	2	0.1260	0 DALA	0.227	ND	ND	ND	ND	ND	ND	ND
			003	Head/ Floret	2	0.1260	0 DALA	0.309	ND	ND	ND	ND	ND	ND	ND
			004	Head/ Floret	2	0.1260	3 DALA	0.156	ND	ND	ND	ND	ND	ND	ND
			005	Head/ Floret	2	0.1260	3 DALA	0.221	ND	ND	ND	ND	ND	ND	ND
			006	Head/ Floret	2	0.1260	7 DALA	0.126	ND	ND	ND	ND	ND	ND	ND
			007	Head/ Floret	2	0.1260	7 DALA	0.165	ND	ND	ND	ND	ND	ND	ND
			008	Head/ Floret	3	0.1255	0 DALA	0.250	ND	ND	ND	ND	ND	ND	ND
			009	Head/ Floret	3	0.1255	0 DALA	0.211	ND	ND	ND	ND	ND	ND	ND
			010	Head/ Floret	3	0.1255	3 DALA	0.163	ND	ND	ND	ND	ND	ND	ND
			011	Head/ Floret	3	0.1255	3 DALA	0.128	ND	ND	ND	ND	ND	ND	ND
			012	Head/ Floret	3	0.1255	7 DALA	0.103	ND	ND	ND	ND	ND	ND	ND
			013	Head/ Floret	3	0.1255	7 DALA	0.179	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

TABLE 2 Residue Results (continued)

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-02 (King City, CA/2014)	10	Broccoli (Marathon)	001	Head/ Floret	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head/ Floret	2	0.1253	0 DALA	0.266	ND	ND	ND	ND	ND	ND	ND
			003	Head/ Floret	2	0.1253	0 DALA	0.207	ND	ND	ND	ND	ND	ND	ND
			004	Head/ Floret	2	0.1253	2 DALA	0.277	ND	ND	ND	ND	ND	ND	ND
			005	Head/ Floret	2	0.1253	2 DALA	0.208	ND	ND	ND	ND	ND	ND	ND
			006	Head/ Floret	2	0.1253	6 DALA	0.161	ND	ND	ND	ND	<LOQ	ND	ND
			007	Head/ Floret	2	0.1253	6 DALA	0.0465	ND	ND	ND	ND	<LOQ	ND	ND
			008	Head/ Floret	3	0.1261	0 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			009	Head/ Floret	3	0.1261	0 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			010	Head/ Floret	3	0.1261	2 DALA	ND	ND	ND	ND	ND	ND	ND	ND
			011	Head/ Floret	3	0.1261	2 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			012	Head/ Floret	3	0.1261	6 DALA	ND	ND	ND	ND	ND	ND	ND	ND
			013	Head/ Floret	3	0.1261	6 DALA	ND	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

TABLE 2 Residue Results (continued)

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-03 (Porterville, CA/2014)	10	Cauliflower (Absolute)	001	Head+ Stem	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head+ Stem	2	0.1246	0 DALA	0.0120	ND	ND	ND	ND	ND	ND	ND
			003	Head+ Stem	2	0.1246	0 DALA	0.0125	ND	ND	ND	ND	ND	ND	ND
			004	Head+ Stem	2	0.1246	3 DALA	0.0156	ND	ND	ND	ND	ND	ND	ND
			005	Head+ Stem	2	0.1246	3 DALA	0.0210	ND	ND	ND	ND	ND	ND	ND
			006	Head+ Stem	2	0.1246	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			007	Head+ Stem	2	0.1246	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			008	Head+ Stem	3	0.1248	0 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			009	Head+ Stem	3	0.1248	0 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			010	Head+ Stem	3	0.1248	3 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			011	Head+ Stem	3	0.1248	3 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			012	Head+ Stem	3	0.1248	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			013	Head+ Stem	3	0.1248	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

TABLE 2 Residue Results (continued)

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-04 (Hillsboro, OR/2014)	12	Cauliflower (Symphony)	001	Head+ Stem	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head+ Stem	2	0.1245	0 DALA	0.0978	ND	ND	ND	ND	ND	ND	ND
			003	Head+ Stem	2	0.1245	0 DALA	0.0794	ND	ND	ND	ND	ND	ND	ND
			004	Head+ Stem	2	0.1245	3 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			005	Head+ Stem	2	0.1245	3 DALA	0.0110	ND	ND	ND	ND	ND	ND	ND
			006	Head+ Stem	2	0.1245	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			007	Head+ Stem	2	0.1245	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			008	Head+ Stem	3	0.1248	0 DALA	0.0361	ND	ND	ND	ND	ND	ND	ND
			009	Head+ Stem	3	0.1248	0 DALA	0.0341	ND	ND	ND	ND	ND	ND	ND
			010	Head+ Stem	3	0.1248	3 DALA	0.0166	ND	ND	ND	ND	ND	ND	ND
			011	Head+ Stem	3	0.1248	3 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			012	Head+ Stem	3	0.1248	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND
			013	Head+ Stem	3	0.1248	7 DALA	<LOQ	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

TABLE 2 Residue Results (continued)

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-05 (Alton, NY/2014)	1	Cabbage (Farao)	001	Head/ Leaves	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head/ Leaves	2	0.1270	0 DALA	0.466	ND	ND	ND	ND	ND	ND	ND
			003	Head/ Leaves	2	0.1270	0 DALA	0.467	ND	ND	ND	ND	ND	ND	ND
			004	Head/ Leaves	2	0.1270	3 DALA	0.223	ND	ND	ND	ND	ND	ND	ND
			005	Head/ Leaves	2	0.1270	3 DALA	0.253	ND	ND	ND	ND	ND	ND	ND
			006	Head/ Leaves	2	0.1270	7 DALA	0.133	ND	ND	ND	ND	<LOQ	ND	ND
			007	Head/ Leaves	2	0.1270	7 DALA	0.112	ND	ND	ND	ND	ND	ND	ND
			008	Head/ Leaves	3	0.1244	0 DALA	0.355	ND	ND	ND	ND	ND	ND	ND
			009	Head/ Leaves	3	0.1244	0 DALA	0.294	ND	ND	ND	ND	ND	ND	ND
			010	Head/ Leaves	3	0.1244	3 DALA	0.435	ND	ND	ND	ND	ND	ND	ND
			011	Head/ Leaves	3	0.1244	3 DALA	0.292	ND	ND	ND	ND	ND	ND	ND
			012	Head/ Leaves	3	0.1244	7 DALA	0.199	ND	ND	ND	ND	ND	ND	ND
			013	Head/ Leaves	3	0.1244	7 DALA	0.164	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

TABLE 2 Residue Results (continued)

Trial ID (City, State/ Year)	EPA Region	Crop (Variety)	Sample No. ^a	Matrix	Trt ^a	Total Rate (lb ai /A)	Sampling Event ^a	Residue Levels (ppm) ^{a,b}							
								OXTP	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-06 (Porterville, CA/2014)	10	Cabbage (Supreme Vantage)	001	Head/ Leaves	1	--	Control	ND	ND	ND	ND	ND	ND	ND	ND
			002	Head/ Leaves	2	0.1242	0 DALA	0.584	ND	ND	ND	ND	ND	ND	ND
			003	Head/ Leaves	2	0.1242	0 DALA	0.619	ND	ND	ND	ND	ND	ND	ND
			004	Head/ Leaves	2	0.1242	3 DALA	0.439	ND	ND	ND	ND	ND	ND	ND
			005	Head/ Leaves	2	0.1242	3 DALA	0.580	ND	ND	ND	ND	ND	ND	ND
			006	Head/ Leaves	2	0.1242	7 DALA	0.405	ND	ND	ND	ND	ND	ND	ND
			007	Head/ Leaves	2	0.1242	7 DALA	0.615	ND	ND	ND	ND	ND	ND	ND
			008	Head/ Leaves	3	0.1247	0 DALA	0.530	ND	ND	ND	ND	ND	ND	ND
			009	Head/ Leaves	3	0.1247	0 DALA	0.439	ND	ND	ND	ND	ND	ND	ND
			010	Head/ Leaves	3	0.1247	3 DALA	0.567	ND	ND	ND	ND	ND	ND	ND
			011	Head/ Leaves	3	0.1247	3 DALA	0.388	ND	ND	ND	ND	ND	ND	ND
			012	Head/ Leaves	3	0.1247	7 DALA	0.396	ND	ND	ND	ND	ND	ND	ND
			013	Head/ Leaves	3	0.1247	7 DALA	0.417	ND	ND	ND	ND	ND	ND	ND

^a No. = number; Trt = treatment; DALA = days after last application; ND = not detected, no chromatographic signal at the retention time of the analyte; OXTP = oxathiapiprolin.

^b LOQ = limit of quantification, 0.01 ppm.

APPENDICES SECTION

APPENDIX 1 Field Trial Summaries

Test Site TK0221426-01, Uvalde, Texas

Personnel

Principal Investigator:	Jillian Gembler
Affiliation:	South Texas Ag Research, Winter Garden Division
Investigator Street Address:	3405 Highway 90 West
Investigator City, State, Country, Zip Code:	Uvalde, TX, USA, 78801
Other Personnel Involved in the Trial:	Mike Phillips and Manuel Quintero

Plot Information

EPA/PMRA Region Number:	6
Test Site Street Address:	3405 Hwy 90W
City, State, Country, Zip Code:	Uvalde, TX, USA, 78801
County:	Uvalde
EPA Crop Group:	Not Applicable
Test System:	Broccoli
Variety:	Marathon
Planting Date of Crop:	02-Oct-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	6.67 ft x 60 ft
Distance between UTC and Trt Plot:	105 ft
Distance between Trt Plots:	70 ft
No. of Rows:	2
Row Spacing:	40 inches
Plant Spacing in Row:	1.25 inches
Soil Texture:	Clay
Percent Sand:	31
Percent Silt:	26
Percent Clay:	43
Soil % Organic Matter:	2.2
Soil pH:	7.8
CEC (meq/100 g):	39.8

Test Site TK0221426-01, Uvalde, Texas (continued)

Weather Information

Source of Test Site Temperature Data:	STAR-Uvalde, Uvalde, TX (Trial and Historical Data)
Distance of Temperature Data from the Test Site:	~1500 feet (Trial and Historical Data)
Source of Test Site Precipitation Data:	STAR-Uvalde, Uvalde, TX (Trial and Historical Data)
Distance of Precipitation Data from the Test Site:	~1600 feet (Trial and Historical Data)
Type of Irrigation Used:	Furrow (no irrigation during application period)
Was weather normal during the trial period:	Yes
Describe any unusual weather:	None
Were yields and crop growth and development normal:	Yes

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
January 2015	37	39	62	67	2.50	1.13	0.0
February 2015	42	44	65	68	0.54	0.73	0.0

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
Makaze 4I*	1.25 lb ai/A	28-Feb-14
Liberty*	0.378 lb ai/A	29-Mar-14
Saber*	0.63 lb ai/A	03-May-14
Huskie*	0.18025 lb ai/A	16-May-14
Atrazine 4L*	0.5 lb ai/A	16-May-14
Dual Magnum*	0.71 lb ai/A	31-Jul-14
45-0-0 Fertilizer	250 lb/A	20-Nov-14
Leverage 2.7	0.08 lb ai/A	09-Dec-14
Radiant 1SC	0.047 lb ai/A	15-Dec-14

*Applied to test site prior to planting the fall crop of broccoli.

Test Site TK0221426-01, Uvalde, Texas (continued)

Application Information – Treatment 2

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	28-Jan-15	02-Feb-15
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 47 (70% of size reached)	BBCH 49 (typical size reached)
Wind Speed at Appl. (mph):	0.8 - 1.3	0.0 - 1.4
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	Induce NIS / 0.22	Induce NIS / 0.22
Calibration Date:	27-Jan-15	02-Feb-15
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0630	0.0630
Rate (kg ai/ha):	0.0706	0.0706
Spray Volume (GPA):	25	25
Spray Volume (l/ha):	234	234

Application Information – Treatment 3

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	28-Jan-15	02-Feb-15
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 47 (70% of size reached)	BBCH 49 (typical size reached)
Wind Speed at Appl. (mph):	0.0 - 1.0	1.8 - 2.6
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	Induce NIS / 0.22	Induce NIS / 0.22
Calibration Date:	27-Jan-15	02-Feb-15
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0622	0.0633
Rate (kg ai/ha):	0.0697	0.0710
Spray Volume (GPA):	25	26
Spray Volume (l/ha):	234	243

Test Site TK0221426-01, Uvalde, Texas (continued)

Sample and Shipping Information

SAMPLE NO.	TRT. NO.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	NO. OF PLANT/ SAMPLE SIZE* (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
01	1	NA	02-Feb-15	02-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 3.6	09-Feb-15	12-Feb-15
02	2	0	02-Feb-15	02-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.4	09-Feb-15	12-Feb-15
03	2	0	02-Feb-15	02-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.4	09-Feb-15	12-Feb-15
04	2	3	05-Feb-15	05-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 3.6	09-Feb-15	12-Feb-15
05	2	3	05-Feb-15	05-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.1	09-Feb-15	12-Feb-15
06	2	7	09-Feb-15	09-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 2.9	09-Feb-15	12-Feb-15
07	2	7	09-Feb-15	09-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 3.2	09-Feb-15	12-Feb-15
08	3	0	02-Feb-15	02-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.9	09-Feb-15	12-Feb-15
09	3	0	02-Feb-15	02-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.1	09-Feb-15	12-Feb-15
10	3	3	05-Feb-15	05-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 3.2	09-Feb-15	12-Feb-15
11	3	3	05-Feb-15	05-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 4.1	09-Feb-15	12-Feb-15
12	3	7	09-Feb-15	09-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 1.1	09-Feb-15	12-Feb-15
13	3	7	09-Feb-15	09-Feb-15	Broccoli Head/Floret	BBCH 49	12 / 1.2	09-Feb-15	12-Feb-15

*Sample weight includes the weight of the sample bag.

Maximum Number of Hours from Sampling until Freezing:	0.48
Field Sample Storage Conditions (ambient, frozen):	Frozen
Shipping Carrier:	ACDS #140398
Shipping Destination:	ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202
Shipping Conditions (ambient, frozen):	Frozen

Test Site TK0221426-02, King City, California

Personnel

Principal Investigator:	Scott Scheufele
Affiliation:	Research for Hire
Investigator Street Address:	1696 S. Leggett Street
Investigator City, State, Country, Zip Code:	Porterville, CA, USA, 93257
Other Personnel Involved in the Trial:	Kayla Padilla, Amber (Bering) Duncan, Lori Yarbrough, Jorge Gonzalez, and Kayla Thomas

Plot Information

EPA/PMRA Region Number:	10
Test Site Street Address:	~0.5 miles South of Lonoak Avenue
City, State, Country, Zip Code:	King City, CA, USA, 93930
County:	Monterey
EPA Crop Group:	Not Applicable
Test System:	Broccoli
Variety:	Marathon
Planting Date of Crop:	20-Aug-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	13.33 ft x 50 ft
Distance between UTC and Trt Plot:	~270 ft
Distance between Trt Plots:	70
No. of Rows:	8 (4 beds with 2 rows per bed)
Bed Spacing:	40 inches
Plant Spacing in Row:	~10 inches
Soil Texture:	Clay Loam
Percent Sand:	26
Percent Silt:	41
Percent Clay:	33
Soil % Organic Matter:	1.5
Soil pH:	8.3
CEC (meq/100 g):	32.9

Test Site TK0221426-02, King City, California (continued)

Weather Information

Source of Test Site Temperature Data:	CIMIS #113, King City, CA (Trial and Historical Data)
Distance of Temperature Data from the Test Site:	~7.5 miles (Trial and Historical Data)
Source of Test Site Precipitation Data:	CIMIS #113, King City, CA (Trial and Historical Data)
Distance of Precipitation Data from the Test Site:	~7.5 miles (Trial and Historical Data)
Type of Irrigation Used:	Drip
Was weather normal during the trial period:	Yes
Describe any unusual weather:	None
Were yields and crop growth and development normal:	Yes

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
November 2014	43	39	72	69	0.56	0.70	~6.69

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
20-10-10 Fertilizer	80 lb/A	15-Aug-14
Goaltender	7 fl oz/A	05-Sep-14
10-8-8 Fertilizer	22 gal/A	10-Sep-14
Avaunt	3.5 oz/A	26-Sep-14
Warrior II	1.92 fl oz/A	26-Sep-14
Venom	3 oz/A	26-Sep-14
20-10-10 Fertilizer	20 gal/A	27-Sep-14
UN32 Fertilizer	16 gal/A	13-Oct-14
10-8-8 Fertilizer	14 gal/A	28-Oct-14
Volium Express	9 fl oz/A	29-Oct-14
Quadris	9 fl oz/A	29-Oct-14
Movento	5 fl oz/A	29-Oct-14
20-10-10 Fertilizer	11 gal/A	05-Nov-14

Test Site TK0221426-02, King City, California (continued)

Application Information – Treatment 2

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	07-Nov-14	12-Nov-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 46-48 (60-90% of size)	BBCH 49 (mature)
Wind Speed at Appl. (mph):	0.9 - 2.7	1.8 - 2.9
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	Pro COC / 0.5	Pro COC / 0.5
Calibration Date:	06-Nov-14	12-Nov-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0624	0.0629
Rate (kg ai/ha):	0.0699	0.0705
Spray Volume (GPA):	30	31
Spray Volume (l/ha):	281	290

Application Information – Treatment 3

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	07-Nov-14	12-Nov-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 46-48 (60-90% of size)	BBCH 49 (mature)
Wind Speed at Appl. (mph):	1.8 - 2.3	1.6 - 2.4
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	Pro COC / 0.5	Pro COC / 0.5
Calibration Date:	06-Nov-14	12-Nov-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0628	0.0633
Rate (kg ai/ha):	0.0704	0.0710
Spray Volume (GPA):	30	31
Spray Volume (l/ha):	281	290

Test Site TK0221426-02, King City, California (continued)

Sample and Shipping Information

SAMPLE NO.	TRT. NO.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	NO. OF FRUIT / SAMPLE SIZE (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
01	1	NA	12-Nov-14	12-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 4.1	11-Dec-14	23-Dec-14
02	2	0	12-Nov-14	12-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.7	11-Dec-14	23-Dec-14
03	2	0	12-Nov-14	12-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 7.1	11-Dec-14	23-Dec-14
04	2	2	14-Nov-14	14-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.2	11-Dec-14	23-Dec-14
05	2	2	14-Nov-14	14-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.0	11-Dec-14	23-Dec-14
06	2	6	18-Nov-14	18-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 2.9	11-Dec-14	23-Dec-14
07	2	6	18-Nov-14	18-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 2.7	11-Dec-14	23-Dec-14
08	3	0	12-Nov-14	12-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 4.1	11-Dec-14	23-Dec-14
09	3	0	12-Nov-14	12-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.7	11-Dec-14	23-Dec-14
10	3	2	14-Nov-14	14-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.3	11-Dec-14	23-Dec-14
11	3	2	14-Nov-14	14-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 3.1	11-Dec-14	23-Dec-14
12	3	6	18-Nov-14	18-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 2.7	11-Dec-14	23-Dec-14
13	3	6	18-Nov-14	18-Nov-14	Broccoli Head/Floret	BBCH 49	12 / 2.1	11-Dec-14	23-Dec-14
Maximum Number of Hours from Sampling until Freezing:						Placed immediately on dry ice.			
Field Sample Storage Conditions (ambient, frozen):						Frozen			
Shipping Carrier:						ACDS #140137			
Shipping Destination:						ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202			
Shipping Conditions (ambient, frozen):						Frozen			

Test Site TK0221426-03, Porterville, California

Personnel

Principal Investigator:	Araceli Ortiz
Affiliation:	Research for Hire
Investigator Street Address:	1696 S. Leggett Street
Investigator City, State, Country, Zip Code:	Porterville, CA, USA, 93257
Other Personnel Involved in the Trial:	Griselda Mena, Kayleigh Paskwietz, Mayra Padilla, Lori Yarbrough, Jacobo Mena, and Amber Bering

Plot Information

EPA/PMRA Region Number:	10
Test Site Street Address:	1696 S. Leggett Street
City, State, Country, Zip Code:	Porterville, CA, USA, 93257
County:	Tulare
EPA Crop Group:	Not Applicable
Test System:	Cauliflower
Variety:	Absolute
Transplanting Date of Crop:	30-Aug-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	10 ft x 100 ft
Distance between UTC and Trt Plot:	~1100 ft
Distance between Trt Plots:	~260 ft
No. of Rows:	4
Row Spacing:	30 inches
Plant Spacing in Row:	10 inches
Soil Texture:	Sandy Clay Loam
Percent Sand:	56
Percent Silt:	15
Percent Clay:	29
Soil % Organic Matter:	2.0
Soil pH:	7.1
CEC (meq/100 g):	25.3

Test Site TK0221426-03, Porterville, California (continued)

Weather Information

Source of Test Site Temperature Data:	Research For Hire Exp. Farm, Porterville, CA (Trial and Historical Data)
Distance of Temperature Data from the Test Site:	~5 miles (Trial and Historical Data)
Source of Test Site Precipitation Data:	Research For Hire Exp. Farm, Porterville, CA (Trial and Historical Data)
Distance of Precipitation Data from the Test Site:	~5 miles (Trial and Historical Data)
Type of Irrigation Used:	Drip
Was weather normal during the trial period:	Yes
Describe any unusual weather:	None
Were yields and crop growth and development normal:	Yes

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
December 2014	40	34	61	57	2.93	1.74	~0.50

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
15-15-15 Fertilizer	10 lb/A	15-Sep-14
UN32 Fertilizer	8 gal/A	20-Oct-14
UN32 Fertilizer	8 gal/A	17-Nov-14

Test Site TK0221426-03, Porterville, California (continued)

Application Information – Treatment 2

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	18-Dec-14	23-Dec-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 48 (80% expected head size)	BBCH 48 (80% expected head size)
Wind Speed at Appl. (mph):	0.0	0.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	Monterey MSO / 0.39	Monterey MSO / 0.39
Calibration Date:	18-Dec-14	23-Dec-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0622	0.0624
Rate (kg ai/ha):	0.0697	0.0699
Spray Volume (GPA):	34	34
Spray Volume (l/ha):	318	318

Application Information – Treatment 3

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	18-Dec-14	23-Dec-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 48 (80% expected head size)	BBCH 48 (80% expected head size)
Wind Speed at Appl. (mph):	0.1 - 0.9	0.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	Monterey MSO / 0.39	Monterey MSO / 0.39
Calibration Date:	18-Dec-14	23-Dec-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0621	0.0627
Rate (kg ai/ha):	0.0696	0.0703
Spray Volume (GPA):	34	34
Spray Volume (l/ha):	318	318

Test Site TK0221426-03, Porterville, California (continued)

Sample and Shipping Information

SAMPLE NO.	TRT. NO.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	NO. OF FRUIT / SAMPLE SIZE (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
01	1	NA	23-Dec-14	23-Dec-14	Cauliflower Head/Stem	BBCH 48	12 / 20.4	13-Jan-15	19-Jan-15
02	2	0	23-Dec-14	23-Dec-14	Cauliflower Head/Stem	BBCH 48	12 / 25.2	13-Jan-15	19-Jan-15
03	2	0	23-Dec-14	23-Dec-14	Cauliflower Head/Stem	BBCH 48	12 / 25.6	13-Jan-15	19-Jan-15
04	2	3	26-Dec-14	26-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 21.0	13-Jan-15	19-Jan-15
05	2	3	26-Dec-14	26-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 18.3	13-Jan-15	19-Jan-15
06	2	7	30-Dec-14	30-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 22.9	13-Jan-15	19-Jan-15
07	2	7	30-Dec-14	30-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 19.8	13-Jan-15	19-Jan-15
08	3	0	23-Dec-14	23-Dec-14	Cauliflower Head/Stem	BBCH 48	12 / 28.0	13-Jan-15	19-Jan-15
09	3	0	23-Dec-14	23-Dec-14	Cauliflower Head/Stem	BBCH 48	12 / 28.9	13-Jan-15	19-Jan-15
10	3	3	26-Dec-14	26-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 22.1	13-Jan-15	19-Jan-15
11	3	3	26-Dec-14	26-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 22.7	13-Jan-15	19-Jan-15
12	3	7	30-Dec-14	30-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 24.9	13-Jan-15	19-Jan-15
13	3	7	30-Dec-14	30-Dec-14	Cauliflower Head/Stem	BBCH 49	12 / 20.7	13-Jan-15	19-Jan-15
Maximum Number of Hours from Sampling until Freezing:						1.52			
Field Sample Storage Conditions (ambient, frozen):						Frozen			
Shipping Carrier:						ACDS #135622			
Shipping Destination:						ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202			
Shipping Conditions (ambient, frozen):						Frozen			

Test Site TK0221426-04, Hillsboro, Oregon

Personnel

Principal Investigator:	Craig Collins
Affiliation:	Collins Agricultural Consultants, Inc.
Investigator Street Address:	33668 SW Bald Peak Road
Investigator City, State, Country, Zip Code:	Hillsboro, OR, USA, 97123
Other Personnel Involved in the Trial:	Krista Collins

Plot Information

EPA/PMRA Region Number:	12
Test Site Street Address:	31949 SW Bald Peak Road
City, State, Country, Zip Code:	Hillsboro, OR, USA, 97123
County:	Washington
EPA Crop Group:	Not Applicable
Test System:	Cauliflower
Variety:	Symphony
Planting Date of Crop:	05-Jun-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	13 ft x 30 ft
Distance between UTC and Trt Plot:	100 ft
Distance between Trt Plots:	50 ft
No. of Rows:	4
Row Spacing:	34 inches
Plant Spacing in Row:	12 inches
Soil Texture:	Silt Loam
Percent Sand:	21
Percent Silt:	57
Percent Clay:	22
Soil % Organic Matter:	1.6
Soil pH:	5.1
CEC (meq/100 g):	14.4

Test Site TK0221426-04, Hillsboro, Oregon (continued)

Weather Information

Source of Test Site Temperature Data:	Collins Ag Weather Station #1, Hillsboro, OR (Trial and Historical Data)
Distance of Temperature Data from the Test Site:	<1000 feet (Trial and Historical Data)
Source of Test Site Precipitation Data:	Collins Ag Weather Station #1, Hillsboro, OR (Trial and Historical Data)
Distance of Precipitation Data from the Test Site:	<1000 feet (Trial and Historical Data)
Type of Irrigation Used:	Overhead Sprinkler
Was weather normal during the trial period:	Yes
Describe any unusual weather:	None
Were yields and crop growth and development normal:	Yes

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
August 2014	56	53	85	82	0.08	0.50	3.7

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
Roundup 2EC	1 qt/A	12-Mar-14
Gramoxone 2EC	1 qt/A	12-Mar-14
16-16-16 Fertilizer	500 lb/A	13-May-14
33-0-0 Fertilizer	500 lb/A	13-May-14
Goal 1.6EC	2 pt/A	02-Jun-14
Lorsban 15G	11 oz/1000 ft	17-Jun-14
Furadan10G	11 oz/1000 ft	17-Jun-14
Select	10 fl oz/A	30-Jun-14
Mustang	4 fl oz/A	18-Jul-14

Test Site TK0221426-04, Hillsboro, Oregon (continued)

Application Information

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	08-Aug-14	13-Aug-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 43 - 45 (3-6 heads)	BBCH 45 - 47 (mature heads)
Wind Speed at Appl. (mph):	0.0 - 1.0	0.0 - 1.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	Preference NIS / 0.125	Preference NIS / 0.125
Calibration Date:	07-Aug-14	13-Aug-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0622	0.0623
Rate (kg ai/ha):	0.0697	0.0698
Spray Volume (GPA):	22	22
Spray Volume (l/ha):	206	206

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	08-Aug-14	13-Aug-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 43 - 45 (3-6 heads)	BBCH 45 - 47 (mature heads)
Wind Speed at Appl. (mph):	0.0 - 1.0	0.0 - 1.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	CO ₂ Backpack Sprayer	CO ₂ Backpack Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	Preference NIS / 0.125	Preference NIS / 0.126
Calibration Date:	07-Aug-14	13-Aug-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0623	0.0625
Rate (kg ai/ha):	0.0698	0.0701
Spray Volume (GPA):	22	22
Spray Volume (l/ha):	206	206

Test Site TK0221426-04, Hillsboro, Oregon (continued)

Sample and Shipping Information

SAMPLE NO.	TRT. NO.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	NO. OF HEADS / SAMPLE SIZE (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
01	1	NA	13-Aug-14	13-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.6	20-Aug-14	09-Sep-14
02	2	0	13-Aug-14	13-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 2.7	20-Aug-14	09-Sep-14
03	2	0	13-Aug-14	13-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 2.7	20-Aug-14	09-Sep-14
04	2	3	16-Aug-14	16-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.6	20-Aug-14	09-Sep-14
05	2	3	16-Aug-14	16-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.6	20-Aug-14	09-Sep-14
06	2	7	20-Aug-14	20-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 4.2	20-Aug-14	09-Sep-14
07	2	7	20-Aug-14	20-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.6	20-Aug-14	09-Sep-14
08	3	0	13-Aug-14	13-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.2	20-Aug-14	09-Sep-14
09	3	0	13-Aug-14	13-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 2.9	20-Aug-14	09-Sep-14
10	3	3	16-Aug-14	16-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 5.0	20-Aug-14	09-Sep-14
11	3	3	16-Aug-14	16-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 4.1	20-Aug-14	09-Sep-14
12	3	7	20-Aug-14	20-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.9	20-Aug-14	09-Sep-14
13	3	7	20-Aug-14	20-Aug-14	Cauliflower Head/Stem	BBCH 45-47	12 / 3.6	20-Aug-14	09-Sep-14
Maximum Number of Hours from Sampling until Freezing:						0.75			
Field Sample Storage Conditions (ambient, frozen):						Frozen			
Shipping Carrier:						ACDS #138956			
Shipping Destination:						ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202			
Shipping Conditions (ambient, frozen):						Frozen			

Test Site TK0221426-05, Alton, New York

Personnel

Principal Investigator:	Scott Palmer
Affiliation:	Reality Research
Investigator Street Address:	4729-A Preemption Road
Investigator City, State, Country, Zip Code:	Lyons, NY, USA, 14489
Other Personnel Involved in the Trial:	Sara Palmer, Brad Palmer, and W.H. Palmer

Plot Information

EPA/PMRA Region Number:	1
Test Site Street Address:	4729-A Preemption Road
City, State, Country, Zip Code:	Lyons, NY, USA, 14413 (nearest town is Alton)
County:	Wayne
EPA Crop Group:	Not Applicable
Test System:	Cabbage
Variety:	Farao (Fresh Market)
Planting Date of Crop:	05-Jun-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	12 ft x 80 ft
Distance between UTC and Trt Plot:	200
Distance between Trt Plots:	87
No. of Rows:	4
Row Spacing:	36 inches
Plant Spacing in Row:	10 inches
Soil Texture:	Loam
Percent Sand:	46
Percent Silt:	38
Percent Clay:	16
Soil % Organic Matter:	2.9
Soil pH:	7.6
CEC (meq/100 g):	17.3

Test Site TK0221426-05, Alton, New York (continued)

Weather Information

Source of Test Site Temperature Data:	On-site Weather Station #14.200, Alton, NY (Trial Data) NOAA #7842, Sodus Center, NY (Historical Data)
Distance of Temperature Data from the Test Site:	~250 feet (Trial Data) ~5 miles (Historical Data)
Source of Test Site Precipitation Data:	On-site Weather Station #14.200, Alton, NY (Trial Data) NOAA #7842, Sodus Center, NY (Historical Data)
Distance of Precipitation Data from the Test Site:	~250 feet (Trial Data) ~5 miles (Historical Data)
Type of Irrigation Used:	None
Was weather normal during the trial period:	No
Describe any unusual weather:	Temperatures were cooler than normal during late Spring, and August had twice the normal rainfall.
Were yields and crop growth and development normal:	Crop Growth: Treatment 2 had some water stressed plants. Heads were smaller in this area, but still green and as good as in other areas and plots. Yield: Normal

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
August 2014	57	58	76	79	5.46	2.65	0.0

Test Site TK0221426-05, Alton, New York (continued)

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
WeatherGard Complete	16 fl oz/A	04-Jun-14
Makaze 4E	1 lb ai/A	04-Jun-14
Dual Magnum II 7.62 EC	1.2 lb ai/A	04-Jun-14
Goal 2XL	0.25 lb ai/A	04-Jun-14
Ridomil Gold 4SL	0.5 lb ai/A	09-Jun-14
Task Force II	64 fl oz/A	09-Jun-14
Lorsban Advanced 3.76 EC	0.94 lb ai/A	09-Jun-14
Ridomil Gold 4SL	0.5 lb ai/A	15-Jun-14
Task Force II	64 fl oz/A	15-Jun-14
Sevin 4F	1 lb ai/A	15-Jun-14
LI700	16 fl oz/A	15-Jun-14
15-15-15 Fertilizer	750 lb/A	16-Jun-14
Leverage 2.7	0.08 lb ai/A	27-Jun-14
Task Force II	32 fl oz/A	27-Jun-14
LI700	16 fl oz/A	27-Jun-14
Stinger	0.19 lb ai/A	29-Jun-14
LI700	16 fl oz/A	29-Jun-14
Ridomil Gold 4SL	0.75 lb ai/A	02-Aug-14
Quadris 2.08F	0.26 lb ai/A	02-Aug-14
Task Force II	32 fl oz/A	02-Aug-14

Test Site TK0221426-05, Alton, New York (continued)

Application Information

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	08-Aug-14	13-Aug-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 48 (80% expected head size)	BBCH 49 (typical size of heads reached)
Wind Speed at Appl. (mph):	1.0 - 2.0	1.0 - 2.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	Tractor-mounted CO ₂ Boom Sprayer	Tractor-mounted CO ₂ Boom Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	COC / 0.50	COC / 0.50
Calibration Date:	08-Aug-14	13-Aug-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0635	0.0635
Rate (kg ai/ha):	0.0712	0.0712
Spray Volume (GPA):	30	30
Spray Volume (l/ha):	281	281

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	08-Aug-14	13-Aug-14
Retreatment Interval:	Not Applicable	5 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	5 DBH	0 DBH
Crop Stage:	BBCH 48 (80% expected head size)	BBCH 49 (typical size of heads reached)
Wind Speed at Appl. (mph):	1.0 - 2.0	1.0 - 2.0
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	Tractor-mounted CO ₂ Boom Sprayer	Tractor-mounted CO ₂ Boom Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	COC / 0.50	COC / 0.50
Calibration Date:	08-Aug-14	13-Aug-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0622	0.0622
Rate (kg ai/ha):	0.0697	0.0697
Spray Volume (GPA):	30	30
Spray Volume (l/ha):	281	281

Test Site TK0221426-05, Alton, New York (continued)

Sample and Shipping Information

SAMPLE No.	TRT. No.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	No. OF HEADS / SAMPLE SIZE (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
001	1	NA	13-Aug-14	13-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 10.6	21-Aug-14	25-Sep-14
002	2	0	13-Aug-14	13-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 9.8	21-Aug-14	25-Sep-14
003	2	0	13-Aug-14	13-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 7.8	21-Aug-14	25-Sep-14
004	2	3	16-Aug-14	16-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 9.9	21-Aug-14	25-Sep-14
005	2	3	16-Aug-14	16-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 8.0	21-Aug-14	25-Sep-14
006	2	7	20-Aug-14	20-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 9.8	21-Aug-14	25-Sep-14
007	2	7	20-Aug-14	20-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 9.2	21-Aug-14	25-Sep-14
008	3	0	13-Aug-14	13-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 12.0	21-Aug-14	25-Sep-14
009	3	0	13-Aug-14	13-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 11.0	21-Aug-14	25-Sep-14
010	3	3	16-Aug-14	16-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 10.1	21-Aug-14	25-Sep-14
011	3	3	16-Aug-14	16-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 13.6	21-Aug-14	25-Sep-14
012	3	7	20-Aug-14	20-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 12.8	21-Aug-14	25-Sep-14
013	3	7	20-Aug-14	20-Aug-14	Cabbage Head w/ Leaves	BBCH 49	12 / 13.5	21-Aug-14	25-Sep-14

Maximum Number of Hours from Sampling until Freezing:	0.8
Field Sample Storage Conditions (ambient, frozen):	Frozen
Shipping Carrier:	ACDS #125759
Shipping Destination:	ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202
Shipping Conditions (ambient, frozen):	Frozen

Test Site TK0221426-06, Porterville, California

Personnel

Principal Investigator:	Araceli Ortiz
Affiliation:	Research for Hire
Investigator Street Address:	1696 S. Leggett Street
Investigator City, State, Country, Zip Code:	Porterville, CA, USA, 93257
Other Personnel Involved in the Trial:	Griselda Mena, Jorge Aldaco, Mayra Padilla, Lori Yarbrough, Jacobo Mena, and Amber Bering

Plot Information

EPA/PMRA Region Number:	10
Test Site Street Address:	11925 Rd 224
City, State, Country, Zip Code:	Porterville, CA, USA, 93257
County:	Tulare
EPA Crop Group:	Not Applicable
Test System:	Cabbage
Variety:	Supreme Vantage
Planting Date of Crop:	02-Sep-14 (transplanted)
Number Treated Plot(s) (excluding controls):	2
Size of Treated Plot(s):	10 ft x 100 ft
Distance between UTC and Trt Plot:	~400 ft
Distance between Trt Plots:	~600 ft
No. of Rows:	4
Row Spacing:	30 inches
Plant Spacing in Row:	10 inches
Soil Texture:	Sandy Loam
Percent Sand:	55
Percent Silt:	35
Percent Clay:	10
Soil % Organic Matter:	0.80
Soil pH:	7.9
CEC (meq/100 g):	13.2

Test Site TK0221426-06, Porterville, California (continued)

Weather Information

Source of Test Site Temperature Data:	Research For Hire Exp. Farm, Porterville, CA (Trial and Historical Data)
Distance of Temperature Data from the Test Site:	On-site (Trial and Historical Data)
Source of Test Site Precipitation Data:	Research For Hire Exp. Farm, Porterville, CA (Trial and Historical Data)
Distance of Precipitation Data from the Test Site:	On-site (Trial and Historical Data)
Type of Irrigation Used:	Drip
Was weather normal during the trial period:	Yes
Describe any unusual weather:	None
Were yields and crop growth and development normal:	Yes

WEATHER PERIOD	MEAN MIN TEMP (F)	MEAN MIN 10 YR AVERAGE TEMP (F)	MEAN MAX TEMP (F)	MEAN MAX 10 YR AVERAGE TEMP (F)	TOTAL RAINFALL (INCHES)	TOTAL RAINFALL 10 YR AVERAGE (INCHES)	TOTAL IRRIGATION (INCHES)
December 2014	40	34	61	57	2.93	1.74	~0.25

Maintenance Pesticides and Fertilizers

OTHER CHEMICALS APPLIED DURING THE TEST YEAR:	RATE / UNITS	DATE
15-15-15 Fertilizer	18 lb/A	23-Sep-14
UN32 Fertilizer	10 gal/A	20-Oct-14
UN32 Fertilizer	8 gal/A	17-Nov-14

Test Site TK0221426-06, Porterville, California (continued)

Application Information

Application No.:	1	2
Plot ID/Trt No.:	2	2
Application Date:	01-Dec-14	05-Dec-14
Retreatment Interval:	Not Applicable	4 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	4 DBH	0 DBH
Crop Stage:	BBCH 47 (70% expected head size)	BBCH 48 (80% expected head size)
Wind Speed at Appl. (mph):	0.8 - 1.2	1.8 - 2.9
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	Backpack CO ₂ Boom Sprayer	Backpack CO ₂ Boom Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin SC (730514) (D100075-118-1)	Oxathiapiprolin SC (730514) (D100075-118-1)
Adjuvant Name/ Rate (% v/v):	Monterey MSO / 0.39	Monterey MSO / 0.39
Calibration Date:	01-Dec-14	05-Dec-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0620	0.0622
Rate (kg ai/ha):	0.0695	0.0697
Spray Volume (GPA):	34	34
Spray Volume (l/ha):	318	318

Application No.:	1	2
Plot ID/Trt No.:	3	3
Application Date:	01-Dec-14	05-Dec-14
Retreatment Interval:	Not Applicable	4 Days
Application Timing (target):	5 DBH	0 DBH
Application Timing (actual):	4 DBH	0 DBH
Crop Stage:	BBCH 47 (70% expected head size)	BBCH 48 (80% expected head size)
Wind Speed at Appl. (mph):	1.8 - 2.3	1.2 - 1.9
Application Type:	Foliar Broadcast	Foliar Broadcast
Application Equipment:	Backpack CO ₂ Boom Sprayer	Backpack CO ₂ Boom Sprayer
Test Substance (SOLO Batch ID) (Batch/Lot No.):	Oxathiapiprolin OD (730513) (D100075-117-1)	Oxathiapiprolin OD (730513) (D100075-117-1)
Adjuvant Name/ Rate (% v/v):	Monterey MSO / 0.39	Monterey MSO / 0.39
Calibration Date:	01-Dec-14	05-Dec-14
Method of Calibration:	Measured Output of Sprayer	Measured Output of Sprayer
Rate (lb ai/A):	0.0625	0.0622
Rate (kg ai/ha):	0.0701	0.0697
Spray Volume (GPA):	34	34
Spray Volume (l/ha):	318	318

Test Site TK0221426-06, Porterville, California (continued)

Sample and Shipping Information

SAMPLE NO.	TRT. NO.	PHI (DAYS)	HARVEST DATE	SAMPLING DATE	FRACTION	GROWTH STAGE	NO. OF HEADS / SAMPLE SIZE (KG)	SHIPPING DATE	DATE RECEIVED AT LAB
01	1	NA	05-Dec-14	05-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 13.0	11-Dec-14	23-Dec-14
02	2	0	05-Dec-14	05-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 14.4	11-Dec-14	23-Dec-14
03	2	0	05-Dec-14	05-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 11.2	11-Dec-14	23-Dec-14
04	2	3	08-Dec-14	08-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 12.3	11-Dec-14	23-Dec-14
05	2	3	08-Dec-14	08-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 12.3	11-Dec-14	23-Dec-14
06	2	7	12-Dec-14	12-Dec-14	Cabbage Head w/ Leaves	BBCH 49	12 / 12.5	13-Jan-15	19-Jan-15
07	2	7	12-Dec-14	12-Dec-14	Cabbage Head w/ Leaves	BBCH 49	12 / 12.7	13-Jan-15	19-Jan-15
08	3	0	05-Dec-14	05-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 14.2	11-Dec-14	23-Dec-14
09	3	0	05-Dec-14	05-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 12.4	11-Dec-14	23-Dec-14
10	3	3	08-Dec-14	08-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 10.4	11-Dec-14	23-Dec-14
11	3	3	08-Dec-14	08-Dec-14	Cabbage Head w/ Leaves	BBCH 48	12 / 11.4	11-Dec-14	23-Dec-14
12	3	7	12-Dec-14	12-Dec-14	Cabbage Head w/ Leaves	BBCH 49	12 / 10.4	13-Jan-15	19-Jan-15
13	3	7	12-Dec-14	12-Dec-14	Cabbage Head w/ Leaves	BBCH 49	12 / 12.1	13-Jan-15	19-Jan-15

Maximum Number of Hours from Sampling until Freezing:	1.67
Field Sample Storage Conditions (ambient, frozen):	Frozen
Shipping Carrier:	ACDS #135620, ACDS #135623
Shipping Destination:	ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, MO 65202
Shipping Conditions (ambient, frozen):	Frozen

APPENDIX 2 Analytical Phase Report



Oxathiapiprolin

**Oxathiapiprolin OD (A20941A) and Oxathiapiprolin SC (A21008A) -
Magnitude of the Residues in or on Brassica Head and Stem Vegetables
Raw Agricultural Commodities Resulting from Foliar Applications
of OD and SC Formulations - USA, 2014**

Analytical Phase Report

DATA REQUIREMENT(S): EPA 860.1000
EPA 860.1500

AUTHOR(S): Shawna Rees

COMPLETION DATE: September 17, 2015

PERFORMING LABORATORY: ABC Laboratories, Inc.
7200 East ABC Lane
Columbia, MO 65202 USA

LABORATORY PROJECT ID: Report Number: 81122
Task Number: TK0221426

SPONSOR(S): Syngenta Crop Protection, LLC
410 Swing Road
Post Office Box 18300
Greensboro, NC 27419-8300 USA

PAGE 1 of 334

GOOD LABORATORY PRACTICE COMPLIANCE STATEMENT

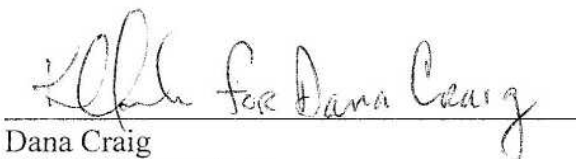
All aspects of this study carried out by ABC Laboratories, Inc. were conducted in accordance with the FIFRA Good Laboratory Practice Standards (40 CFR 160), as applicable.



Shawna Rees
Principal Analytical Investigator
ABC Laboratories, Inc.

17 Sep 2015

Date



Dana Craig
Director, Operations
ABC Laboratories, Inc.

16 SEPT 2015

Date

Performing Laboratory: ABC Laboratories, Inc.
7200 East ABC Lane
Columbia, MO 65202 USA

QUALITY ASSURANCE STATEMENT

ABC Laboratories Project/Report Number: 81122

Syngenta Study Number: TK0221426

Quality Assurance inspections were carried out during the execution of the Study by Quality Assurance personnel according to §40 CFR 160.35 of the EPA Good Laboratory Practice Standards to ensure the integrity of the data. The final analytical report, as submitted to the Study Director, reflects the raw data.

<u>Inspection Phase</u>	<u>Dates of Inspection</u>	<u>Laboratory Management</u>	<u>Study Director</u>
Procedure: Sample Dilution	16Mar15	18Mar15	23Mar15
Raw Data	12-13Jun15, 15-18Jun15	13Aug15	14Aug15
Raw Data and Draft Report	24-25Jun15	20Jul15	23Jul15
Draft Analytical Phase Report	23-24Jul15	5Aug15	7Aug15
Final Analytical Phase Report	15Sep15	16Sep15	16Sep15



Heather Reynolds
Quality Assurance Associate II

16 Sep 2015

Date

GENERAL INFORMATION

Contributors

The following contributed to this report in the capacities indicated:

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Study Dates

Study Initiation Date:	April 16, 2014
Analytical Start Date:	October 29, 2014 (first sample ground)
Analytical Termination Date:	March 14, 2015 (last instrumentation date)

Retention of Samples

Samples will be retained at ABC Laboratories, Inc. until discard or transfer approval is received from the Study Director or Sponsor's Representative.

Other

Reference Substances

Oxathiapiprolin (DPX-QGU42)
IN-SXS67
IN-E8S72
IN-RZB20
IN-RZD74
IN-WR791
IN-RDG40
IN-Q7H09

Analytical Phase Test Site

ABC Laboratories, Inc.
7200 East ABC Lane
Columbia, MO 65202 USA
(573) 777-6000

Archive Locations

The Analytical Phase Report and raw data associated with this analytical phase will be archived at the Syngenta Crop Protection Archives, Syngenta Crop Protection, LLC, Greensboro, NC. Facility records generated at the analytical phase test site will be archived at ABC Laboratories, Inc., 7200 East ABC Lane, Columbia, MO 65202 archives.

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1.0 EXECUTIVE SUMMARY

The objective of this bridging study was to determine the magnitude of residues of oxathiapiprolin and its metabolites in or on brassica head and stem vegetables (broccoli, cauliflower, and cabbage) raw agricultural commodities from foliar application of oxathiapiprolin OD and SC formulations in side-by-side trials.

Samples were analyzed for residues of oxathiapiprolin and metabolites using DuPont-30422, Supplement No. 1, titled “Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS,” dated November 10, 2011 with ABC method modifications.

The analytical method used to quantify residues of oxathiapiprolin (DPX-QGU42) and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09, were verified on broccoli, cauliflower and cabbage prior to the analysis of study samples. The individual recoveries, overall means, and standard deviations are summarized below.

Oxathiapiprolin and Metabolites - Method Verification Recoveries				
Matrix/Analyte	Fortification Level (ppm)	Sample Size (n)	Recoveries ^a (%)	Overall Mean Recovery (%) ± Std. Dev.
Broccoli				
Oxathiapiprolin (as DPX-QGU42)	0.01	3	77, 96, 85	90 ± 8.7
	1.50	3	86, 101, 93	
IN-SXS67	0.01	3	81, 90, 82,	89 ± 6.3
	1.50	3	92, 90, 98	
IN-E8S72	0.01	3	89, 86, 86	93 ± 6.5
	1.50	3	98, 96, 101	
IN-RZB20	0.01	3	108, 90, 90	96 ± 7.4
	1.50	3	98, 89, 98	
IN-RZD74	0.01	3	88, 97, 88	94 ± 5.4
	1.50	3	93, 101, 95	
IN-WR791	0.01	3	102, 85, 105	95 ± 7.4
	1.50	3	90, 94, 95	
IN-RDG40	0.01	3	83, 88, 76	89 ± 9.0
	1.50	3	90, 99, 99	
IN-Q7H09	0.01	3	78, 87, 70	88 ± 13
	1.50	3	88, 106, 100	

^aRecoveries were corrected for control contribution, if any.

Oxathiapiprolin and Metabolites - Method Verification Recoveries (continued)				
Matrix/Analyte	Fortification Level (ppm)	Sample Size (n)	Recoveries ^a (%)	Overall Mean Recovery (%) ± Std. Dev.
Cauliflower				
Oxathiapiprolin (as DPX-QGU42)	0.01	3	88, 86, 98	94 ± 5.9
	1.50	3	97, 94, 101	
IN-SXS67	0.01	3	95, 85, 83	92 ± 6.6
	1.50	3	94, 100, 95	
IN-E8S72	0.01	3	99, 87, 90	93 ± 4.4
	1.50	3	97, 92, 94	
IN-RZB20	0.01	3	115, 110, 102	101 ± 9.8
	1.50	3	94, 95, 90	
IN-RZD74	0.01	3	104, 104, 100	99 ± 4.6
	1.50	3	93, 97, 95	
IN-WR791	0.01	3	87, 78, 94	91 ± 6.9
	1.50	3	96, 94, 94	
IN-RDG40	0.01	3	72, 68, 63	81 ± 15
	1.50	3	97, 93, 93	
IN-Q7H09	0.01	3	87, 85, 84	89 ± 4.7
	1.50	3	95, 91, 94	
Cabbage				
Oxathiapiprolin (as DPX-QGU42)	0.01	3	86, 76, 81	93 ± 14
	1.50	3	107, 111, 98	
IN-SXS67	0.01	3	84, 89, 100	93 ± 7.1
	1.50	3	93, 103, 91	
IN-E8S72	0.01	3	85, 86, 90	94 ± 8.2
	1.50	3	101, 105, 96	
IN-RZB20	0.01	3	106, 86, 96	96 ± 6.6
	1.50	3	98, 97, 92	
IN-RZD74	0.01	3	93, 88, 96	96 ± 5.4
	1.50	3	102, 102, 96	
IN-WR791	0.01	3	87, 88, 88	93 ± 5.8
	1.50	3	99, 100, 93	
IN-RDG40	0.01	3	92, 91, 77	95 ± 11
	1.50	3	101, 109, 100	
IN-Q7H09	0.01	3	98, 90, 84	97 ± 11
	1.50	3	93, 116, 100	

^aRecoveries were corrected for control contribution, if any.

The method was deemed acceptable for use in this study.

Analytical method performance was monitored through concurrent analysis of freshly fortified control samples along with the field samples. The range of recoveries, overall means, and standard deviations are summarized below.

Oxathiapiprolin and Metabolites - Concurrent Procedural Recoveries				
Matrix/Analyte	Range of Fortification (ppm)	Sample Size (n)	Recoveries (%)	Overall Mean Recovery (%) ± Std. Dev.
Broccoli				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	70 - 97	84 ± 13
IN-SXS67	0.01 – 1.50	4	73 - 102	90 ± 13
IN-E8S72	0.01 – 1.50	4	91 - 102	97 ± 5.4
IN-RZB20	0.01 – 1.50	4	85 - 105	95 ± 8.2
IN-RZD74	0.01 – 1.50	4	87 - 103	98 ± 7.4
IN-WR791	0.01 – 1.50	4	92 - 104	99 ± 4.9
IN-RDG40	0.01 – 1.50	4	80 - 109	93 ± 14
IN-Q7H09	0.01 – 1.50	4	76 - 112	94 ± 15
Cauliflower				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	71 - 101	87 ± 15
IN-SXS67	0.01 – 1.50	4	80 - 97	92 ± 7.9
IN-E8S72	0.01 – 1.50	4	81 - 102	94 ± 10
IN-RZB20	0.01 – 1.50	4	78 - 100	93 ± 10
IN-RZD74	0.01 – 1.50	4	90 - 100	95 ± 4.6
IN-WR791	0.01 – 1.50	4	79 - 103	91 ± 12
IN-RDG40	0.01 – 1.50	4	84 - 109	96 ± 10
IN-Q7H09	0.01 – 1.50	4	89 - 108	97 ± 8.3
Cabbage				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	80 - 105	89 ± 11
IN-SXS67	0.01 – 1.50	4	90 - 102	94 ± 5.4
IN-E8S72	0.01 – 1.50	4	79 - 104	92 ± 11
IN-RZB20	0.01 – 1.50	4	80 - 103	92 ± 10
IN-RZD74	0.01 – 1.50	4	92 - 106	96 ± 6.6
IN-WR791	0.01 – 1.50	4	88 - 102	95 ± 5.9
IN-RDG40	0.01 – 1.50	4	80 - 113	93 ± 15
IN-Q7H09	0.01 – 1.50	4	95 - 115	103 ± 9.2

All procedural recovery results were corrected for any control contribution. Residue values were not corrected for procedural recovery results.

The limit of quantitation (LOQ) for all analytes was 0.01 ppm. There were no residues found in any untreated sample. The range of residues found in treated samples is summarized below.

Oxathiapiprolin and Metabolites - Magnitude of the Residue Range of Residues (ppm)											
Matrix	Sampling Event (Nominal) ^a	Trt No.	Formulation	Residues (ppm) ^{b,c}							
				DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H90
Broccoli	0 DALA	2	A21008A (SC)	0.207 – 0.309	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.250	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	0.156 – 0.277	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	ND – 0.163	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	0.0465 – 0.165	ND	ND	ND	ND	ND - <0.01	ND	ND
		3	A20941A (OD)	ND – 0.179	ND	ND	ND	ND	ND	ND	ND
Cauliflower	0 DALA	2	A21008A (SC)	0.0120 – 0.0978	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.0361	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	<0.01 – 0.0210	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.0166	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	<0.01	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01	ND	ND	ND	ND	ND	ND	ND
Cabbage	0 DALA	2	A21008A (SC)	0.466 – 0.619	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	0.294 – 0.530	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	0.223 – 0.580	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	0.292 – 0.567	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	0.112 – 0.615	ND	ND	ND	ND	ND - <0.01	ND	ND
		3	A20941A (OD)	0.164 – 0.417	ND	ND	ND	ND	ND	ND	ND

^aDALA = days after last application.

^b<0.01 ppm represents values <LOQ.

^cND = none detected, no observable chromatographic response.

Data are available to support freezer storage for 18 months. This data adequately covers the maximum storage interval for all broccoli, cauliflower and cabbage samples from sample collection to extraction/initial sample analysis that was encountered in this study (3.7 months for broccoli; 6.7 months for cauliflower and 6.5 months for cabbage).

2.0 INTRODUCTION

The objective of this bridging study was to determine the magnitude of residues of oxathiapiprolin and its metabolites in or on brassica head and stem vegetables (broccoli,

cauliflower, and cabbage) raw agricultural commodities from foliar application of oxathiapiprolin OD and SC formulations in side-by-side trials.

3.0 MATERIALS AND METHODS

3.1 Sample Preparation

Samples for this study were generated, collected and shipped under Protocol Number TK0221426 and Protocol Amendments 1 through 5. A total of 78 brassica vegetables RAC samples (26 broccoli, 26 cauliflower and 26 cabbage) were received at ABC Laboratories from the field sites between September 09, 2014 and February 12, 2015. All samples received were analyzed for residues of oxathiapiprolin (as DPX-QGU42) and metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09. See Table 1 for individual sampling dates.

Upon receipt, all samples were transferred to a limited-access freezer for storage where they remained until they were processed/ground or weighed for analysis. All samples were logged in according to ABC Laboratories' SOPs using the original sample numbers assigned to them. Freezer storage temperatures were monitored on a daily basis and were at approximately -20 °C.

All samples were ground in either a Robot Coupe RSI23 or RSI45 to a homogeneous consistency in the presence of dry ice. The ground samples were placed in frozen storage (approximately -20 °C) immediately after grinding where they remained until removed for weighing or extraction. Samples were ground between October 29, 2014 and March 09, 2015. All the samples for this study were processed according to ABC Laboratories, SOP #CD-TM 1.11, entitled "Procedures for Sample Preparation Equipment."

3.2 Reference Substances

The analytical standards used for this study were as follows:

Certificates of Analysis for the reference materials used in this study are provided in Appendix 3. Summarized details for the reference materials used are as follows:

3.2.1 Oxathiapiprolin (DPX-QGU42)

Common Name: Oxathiapiprolin

Test Item/Substance: DPX-QGU42-126

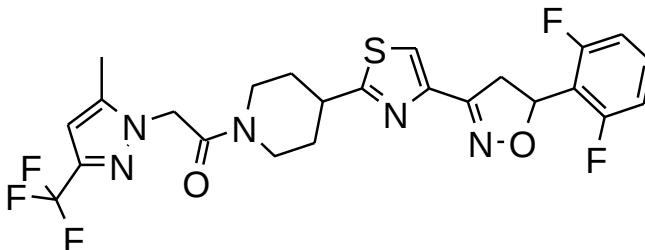
Experimental Name: SYN546539

Chemical Name:

IUPAC: 1-(4-{4-((5*RS*)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl)-1,3-thiazol-2-yl}-1-piperidyl)-2-(5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl)ethanone

CAS: 1-(4-(4-(5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl)-2-(5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl)-ethanone

Structural Formula:

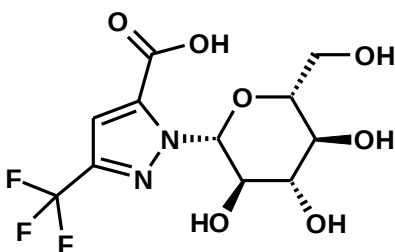


Molecular Weight: 539.53 g/mol
CAS No.: 1003318-67-9
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: E105317-115
Purity: 98.9%
Expiration Date: 04 Jun 2018
Storage: Ambient

3.2.2 IN-SXS67

Common Name: IN-SXS67
Test Item/Substance: IN-SXS67-002
Chemical Name:
CAS: 1-β-D-Glucopyranosyl-3-(-(trifluoromethyl)-1*H*-pyrazole-5-carboxylic acid

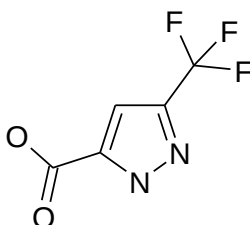
Structural Formula:



Molecular Weight: 569.51 g/mol
CAS No.: 1300580-61-3
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: 1604450
Purity: 99.7%
Expiration Date: 10 Jan 2016
Storage: Ambient

3.2.3 IN-E8S72

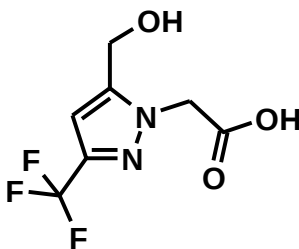
Common Name: IN-E8S72
Test Item/Substance: IN-E8S72-004
Chemical Name:
IUPAC: 5-(Trifluoromethyl)-1H-pyrazole-3-carboxylic acid
Structural Formula:



Molecular Weight: 180.09 g/mol
CAS No.: N/A
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: SG0212015
Purity: 99.8%
Expiration Date: 11 Jun 2015
Storage: Ambient

3.2.4 IN-RZB20

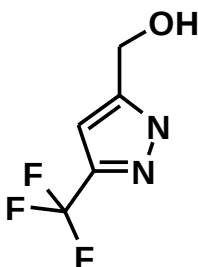
Common Name: IN-RZB20
Test Item/Substance: IN-RZB20-003
Chemical Name:
CAS: 5-(Hydroxymethyl)-3-(trifluoromethyl)-1H-pyrazole-1-acetamide
Structural Formula:



Molecular Weight: 224.14 g/mol
CAS No.: 1300580-79-3
Source: E. I. du Pont de Nemours and Company
Lot Number: GF1010270
Purity: 92.5%
Expiration Date: 14 Nov 2016
Storage: Ambient

3.2.5 IN-RZD74

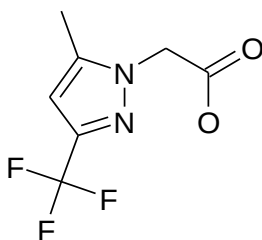
Common Name: IN-RZD74
Test Item/Substance: IN-RZD74-001
Chemical Name:
CAS: 3-(Trifluoromethyl)-1H-Pyrazole-5-methanol
Structural Formula:



Molecular Weight: 180.09 g/mol
CAS No.: 1129412-05-0
Source: E. I. du Pont de Nemours and Company
Lot Number: E116832-34D
Purity: 96.8%
Expiration Date: 07 May 2020
Storage: Ambient

3.2.6 IN-WR791

Common Name: IN-WR791
Test Item/Substance: IN-WR791-003
Chemical Name:
CAS: 5-methyl-3-(trifluoromethyl)-1H-pyrazole-1-acetic acid
Structural Formula:

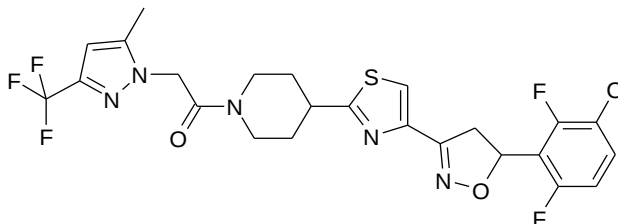


Molecular Weight: 208.14 g/mol
CAS No.: 345637-71-0
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: E112337-22B
Purity: 99.6%
Expiration Date: 08 Jan 2016
Storage: Ambient

3.2.7 IN-RDG40

Common Name: IN-RDG40
Test Item/Substance: IN-RDG40-001
Chemical Name:
IUPAC: 1-[4-[4-[5-(2,6-Difluoro-3-hydroxyphenyl)-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl]-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone

Structural Formula:

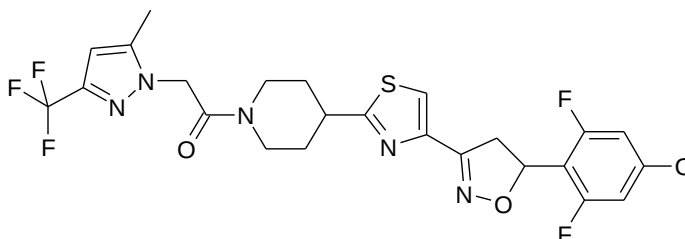


Molecular Weight: 555.53 g/mol
CAS No.: N/A
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: GF914067
Purity: 94.9%
Expiration Date: 17 Sep 2015
Storage: Ambient

3.2.8 IN-Q7H09

Common Name: IN-Q7H09
Test Item/Substance: IN-Q7H09-001
Chemical Name:
IUPAC: 1-[4-[4-[5-(2,6-Difluoro-4-hydroxyphenyl)-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl]-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone

Structural Formula:



Molecular Weight: 555.53 g/mol
CAS No.: N/A
Source: E. I. du Pont de Nemours and Company
Batch/Lot Number: GF1007960

Purity: 96.2%
Expiration Date: 27 Mar 2015
Storage: Freezer

3.3 Preparation of Standard Solutions

The analytical standard solutions used in this study were not used beyond their determined stability (either as defined in the analytical method or demonstrated by analysis).

3.3.1 Stock Standard Solutions

For each analyte, 10.0 mg (corrected for purity) of analytical standard were accurately weighed into separate 100-mL volumetric flasks. The contents for each analyte were brought to volume with acetonitrile except for IN-SXS67 which was brought to volume with acetonitrile:water (50:50, v/v). The resulting concentration of each solution was 100 µg/mL (nominal). Stock standard solutions were stored in amber glass bottles in the dark at approximately -20 °C (i.e., frozen) when not in use.

3.3.2 Intermediate/Fortification Standard Solutions

Intermediate/fortification standard solutions were stored in amber glass bottles in the dark at approximately -20 °C (i.e., frozen) when not in use. The following concentrations were prepared.

- 10 µg/mL: 5.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) stock standard solution were transferred to a 50-mL volumetric flask. The contents were brought to volume with water and mixed well.
- 1.0 µg/mL: 1.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) stock standard solution was transferred to a 100-mL volumetric flask. The contents were brought to volume in acetonitrile:water (70:30, v/v) and mixed well.
- 0.10 µg/mL: 5.0 mL of the 1.0-µg/mL mixed standard solution were transferred to a 50-mL volumetric flask. The contents were brought to volume with acetonitrile:water (70:30, v/v) and mixed well.
- 0.01 µg/mL: 0.5 mL of the 1.0-µg/mL mixed standard solution was transferred to a 50-mL volumetric flask. The contents were brought to volume with acetonitrile:water (70:30, v/v) and mixed well.

DPX-QGU42, IN-RDG40, IN-Q7H09 (Non-polar)

1.0 µg/mL: 1.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) non-polar analyte stock standard solution was transferred to a 100-mL volumetric flask. The contents were brought to volume in acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar)

1.0 µg/mL: 1.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) polar analyte stock standard solution was transferred to a 100-mL volumetric flask. The contents were brought to volume in acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

10 ng/mL: 1.0 mL of the 1.0-µg/mL polar intermediate standard solution was transferred to a 100-mL volumetric flask. The contents were brought to volume in acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

3.3.3 Calibration Standard Solutions

HPLC calibration standard solutions were stored in amber glass bottles in the dark at approximately 5 °C (i.e., refrigerated) when not in use. The following concentrations were prepared.

DPX-QGU42, IN-RDG40, IN-Q7H09 (Non-polar)

5.0 ng/mL: 0.500 mL of the 1.0-µg/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

2.50 ng/mL: 0.250 mL of the 1.0-µg/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

1.00 ng/mL: 0.100 mL of the 1.0-µg/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

0.50 ng/mL: 0.050 mL of the 1.0-µg/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

0.25 ng/mL: 0.025 mL of the 1.0-µg/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

0.10 ng/mL: 0.01 mL of the 1.0- μ g/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

2.0 mL of the 5.0-ng/mL non-polar calibration standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

0.050 ng/mL: 0.005 mL of the 1.0- μ g/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

1.0 mL of the 5.0-ng/mL non-polar calibration standard solution was transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mixed well.

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar)

5.0 ng/mL: 0.500 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

50.0 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

2.50 ng/mL: 0.250 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

25.0 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

1.00 ng/mL: 0.100 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

10.0 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

0.50 ng/mL: 0.050 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

5.00 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

0.25 ng/mL: 0.025 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

2.50 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

0.10 ng/mL: 0.01 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

1.00 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

0.050 ng/mL: 0.005 mL of the 1.0- μ g/mL polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

0.500 mL of the 10-ng/mL non-polar intermediate standard solution were transferred to a 100-mL volumetric flask. The contents were brought to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mixed well.

3.4 Sample Analysis

Samples were analyzed for residues of oxathiapiprolin and metabolites using DuPont-30422, Supplement No. 1, titled "Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS," dated November 10, 2011 (Reference 1) with ABC method modifications. Method modifications were issued to 1) document changes to the preparation of solutions, 2) provide detailed preparation of the standards used, 3) document changes to the extraction and purification procedures, 4) provide detailed HPLC conditions and calculations used (Appendix 1).

Oxathiapiprolin (DPX-QGU42) and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09, were extracted from brassica vegetable RAC samples with acetonitrile:water:formic acid (12:4:0.1, v/v) via triplicate

homogenization using a Geno/grinder[®]. After each homogenization, samples were centrifuged, the supernatants decanted and the extracts were brought to a known volume with acetonitrile. An aliquot of the extracts were diluted with either acetonitrile:1% formic acid (30:70, v/v) for non-polar analytes or 1% formic acid in water for polar analytes and subsequently submitted to LC-MS/MS for analysis. The method is designed to achieve a limit of quantitation (LOQ) of 0.01 ppm for all analytes.

Calculations for instrumental analysis were conducted using Applied Biosystems/MDS Sciex Analyst (Version 1.6.2) software to create a standard curve based on linear regression. The regression functions were used to calculate a best fit line (from a set of standard concentrations in ng/mL versus peak response) and to determine concentration of the analyte found during sample analysis from the calculated best fit line. 1/x weighting was used. Example equations can be found in Appendix 2 (Example Calculations).

3.5 Instrumentation Conditions

Typical HPLC conditions used for this analysis were as follows:

Instrument: Applied Biosystems/Sciex API5500 Q-trap Mass Spectrometer (System V) with Waters Acquity Sample Manager, Waters Acquity Column Manager, Waters Acquity Binary Solvent Manager, Waters Acquity Sampler Organizer and Applied Biosystems/MDS Sciex Analyst Software for data collection and system control (version 1.6.2)

DPX-QGU42, IN-RDG40, IN-Q7H09 (Non-polar)

Operating Conditions

HPLC column: Waters Acquity HSS T3, 1.8- μ m; 50-mm $\times$ 2.1-mm

Mobile phase: Water, methanol (MeOH) and formic acid

Component A: 0.1% formic acid (aq)

Component B: 0.1% formic acid in methanol

Gradient:

<u>Time (min)</u>	<u>% A</u>	<u>% B</u>
0.00 – 0.50	60.0	40.0
0.51 – 2.00	37.5	62.5
2.01 – 2.75	5.0	95.0
2.76 – 3.50	60.0	40.0

Flow rate: 600 μ L/min. (or 0.600 mL/min.)

Interface: TIS (Turbo IonSpray)

Ionization mode: Positive (+) (DPX-QGU42)
Negative (-) (IN-RDG40 & IN-Q7H09)

Acquisition mode: MRM

Resolution: Q1-Unit, Q3-Unit (Note: Unit is equivalent to medium)

Source temperature: 500 °C

Curtain gas: Nitrogen @ setting of “30”

Collision gas: Nitrogen @ setting of “Medium”

Transitions monitored:

	Ion, <i>m/z</i>		Time, <i>ms</i>	CE, <i>v</i>	
	Q1	Q3			
DPX-QGU42:	540	163	150	55	(quantitation)
	540	500	150	35	(confirmation)
IN-RDG40:	554	364	100	-41	(quantitation)
	554	155	100	-41	(confirmation)
IN-Q7H09:	554	180	100	-75	(quantitation)
	554	135	100	-100	(confirmation)

Column temperature: 40 °C

Injection volumes: 15 µL (all non-polar analytes)

Retention times: DPX-QGU42: ~1.7 minutes
IN-RDG40: ~1.3 minutes
IN-Q7H09: ~1.4 minutes

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar)

Operating Conditions

HPLC column: Phenomenex Synergi Polar-RP, 2.5 µm, 50-mm × 3.0-mm

Mobile phase: Water, methanol (MeOH) and formic acid

Component A: 0.1% formic acid (aq)
Component B: 0.1% formic acid in methanol

Gradient:

<u>Time (min)</u>	<u>% A</u>	<u>% B</u>
0.00 – 0.50	90.0	10.0
2.50	37.5	62.5
2.51 – 3.25	5.0	95.0
3.26 – 4.00	90.0	10.0

Flow rate: 600 µL/min. (or 0.600 mL/min.)

Interface: TIS (Turbo IonSpray)

Ionization mode: Negative (-) (all polar analytes)

Acquisition mode: MRM

Resolution: Q1-Unit, Q3-Unit (Note: Unit is equivalent to medium)

Source temperature: 500 °C

Curtain gas: Nitrogen @ setting of “40”

Collision gas: Nitrogen @ setting of “Medium”

Transitions monitored:

	<u>Ion, m/z</u>		<u>Time, ms</u>	<u>CE, v</u>	
	<u>Q1</u>	<u>Q3</u>			
IN-SXS67:	341	135	30	-30	(quantitation)
	341	297	30	-13	(confirmation)
IN-E8S72:	179	65	30	-30	(quantitation)
	179	40	30	-55	(confirmation)
IN-RZB20:	222	192	30	-16	(quantitation)
	222	69	30	-57	(confirmation)
IN-RZD74:	165	65	30	-28	(quantitation)
	165	135	30	-19	(confirmation)
IN-WR791:	207	143	30	-23	(quantitation)
	207	163	30	-16	(confirmation)

Column temperature: 40 °C

Injection volumes: 15 µL (all polar analytes)

Retention times: IN-SXS67: ~1.1 minutes
 IN-E8S72: ~2.0 minutes
 IN-RZB20: ~1.5 minutes
 IN-RZD74: ~1.8 minutes
 IN-WR791: ~2.4 minutes

Calibration/sample analysis

A standard curve was injected using constant volumes of calibration standard solutions of varying concentrations throughout the analytical run. Constant volume injections were used for sample extracts as well. Sample responses which were greater than those produced by the highest concentration of applicable standard in the calibration curve were diluted and re-injected. A calibration standard was typically injected every 3-4 sample injections.

4.0 RESULTS AND DISCUSSION

4.1 Method Verification Data

Samples were analyzed for residues of oxathiapiprolin and metabolites using DuPont-30422, Supplement No. 1, titled “Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS,” dated November 10, 2011 (Reference 1) with ABC method modifications (Appendix 1).

The analytical method used to quantify residues of oxathiapiprolin (DPX-QGU42) and its metabolites, IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09, were verified on broccoli, cauliflower and cabbage prior to the analysis of study samples. The individual recoveries, overall means, and standard deviations are summarized below. See Tables 2 through 4 for individual recovery data and more detailed statistics.

Oxathiapiprolin and Metabolites - Method Verification Recoveries				
Matrix/Analyte	Fortification Level (ppm)	Sample Size (n)	Recoveries^a (%)	Overall Mean Recovery (%) ± Std. Dev.
Broccoli				
Oxathiapiprolin (as DPX-QGU42)	0.01 1.50	3 3	77, 96, 85 86, 101, 93	90 ± 8.7
IN-SXS67	0.01 1.50	3 3	81, 90, 82, 92, 90, 98	89 ± 6.3
IN-E8S72	0.01 1.50	3 3	89, 86, 86 98, 96, 101	93 ± 6.5
IN-RZB20	0.01 1.50	3 3	108, 90, 90 98, 89, 98	96 ± 7.4
IN-RZD74	0.01 1.50	3 3	88, 97, 88 93, 101, 95	94 ± 5.4

^aRecoveries were corrected for control contribution, if any.

Oxathiapiprolin and Metabolites – Method Verification Recoveries (continued)				
Matrix/Analyte	Fortification Level (ppm)	Sample Size (n)	Recoveries ^a (%)	Overall Mean Recovery (%) ± Std. Dev.
Broccoli (continued)				
IN-WR791	0.01	3	102, 85, 105	95 ± 7.4
	1.50	3	90, 94, 95	
IN-RDG40	0.01	3	83, 88, 76	89 ± 9.0
	1.50	3	90, 99, 99	
IN-Q7H09	0.01	3	78, 87, 70	88 ± 13
	1.50	3	88, 106, 100	
Cauliflower				
Oxathiapiprolin (as DPX-QGU42)	0.01	3	88, 86, 98	94 ± 5.9
	1.50	3	97, 94, 101	
IN-SXS67	0.01	3	95, 85, 83	92 ± 6.6
	1.50	3	94, 100, 95	
IN-E8S72	0.01	3	99, 87, 90	93 ± 4.4
	1.50	3	97, 92, 94	
IN-RZB20	0.01	3	115, 110, 102	101 ± 9.8
	1.50	3	94, 95, 90	
IN-RZD74	0.01	3	104, 104, 100	99 ± 4.6
	1.50	3	93, 97, 95	
IN-WR791	0.01	3	87, 78, 94	91 ± 6.9
	1.50	3	96, 94, 94	
IN-RDG40	0.01	3	72, 68, 63	81 ± 15
	1.50	3	97, 93, 93	
IN-Q7H09	0.01	3	87, 85, 84	89 ± 4.7
	1.50	3	95, 91, 94	
Cabbage				
Oxathiapiprolin (as DPX-QGU42)	0.01	3	86, 76, 81	93 ± 14
	1.50	3	107, 111, 98	
IN-SXS67	0.01	3	84, 89, 100	93 ± 7.1
	1.50	3	93, 103, 91	
IN-E8S72	0.01	3	85, 86, 90	94 ± 8.2
	1.50	3	101, 105, 96	
IN-RZB20	0.01	3	106, 86, 96	96 ± 6.6
	1.50	3	98, 97, 92	
IN-RZD74	0.01	3	93, 88, 96	96 ± 5.4
	1.50	3	102, 102, 96	
IN-WR791	0.01	3	87, 88, 88	93 ± 5.8
	1.50	3	99, 100, 93	
IN-RDG40	0.01	3	92, 91, 77	95 ± 11
	1.50	3	101, 109, 100	
IN-Q7H09	0.01	3	98, 90, 84	97 ± 11
	1.50	3	93, 116, 100	

^aRecoveries were corrected for control contribution, if any.

The method was deemed acceptable for use in this study.

4.2 Method Recovery Data

The performance of the method for determination of DPX-QGU42 and metabolites was demonstrated by fortifying at least one untreated control sample prior to each extraction. These fortified samples were analyzed concurrently with each analytical sample set. Concurrent procedural recoveries for DPX-QGU42 and metabolites from broccoli, cauliflower and cabbage analyzed in this study are summarized below. See Tables 5 through 7 for individual recovery data and more detailed statistics.

Oxathiapiprolin and Metabolites - Concurrent Procedural Recoveries				
Matrix/Analyte	Range of Fortification (ppm)	Sample Size (n)	Recoveries (%)	Overall Mean Recovery (%) ± Std. Dev.
Broccoli				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	70 - 97	84 ± 13
IN-SXS67	0.01 – 1.50	4	73 - 102	90 ± 13
IN-E8S72	0.01 – 1.50	4	91 - 102	97 ± 5.4
IN-RZB20	0.01 – 1.50	4	85 - 105	95 ± 8.2
IN-RZD74	0.01 – 1.50	4	87 - 103	98 ± 7.4
IN-WR791	0.01 – 1.50	4	92 - 104	99 ± 4.9
IN-RDG40	0.01 – 1.50	4	80 - 109	93 ± 14
IN-Q7H09	0.01 – 1.50	4	76 - 112	94 ± 15
Cauliflower				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	71 - 101	87 ± 15
IN-SXS67	0.01 – 1.50	4	80 - 97	92 ± 7.9
IN-E8S72	0.01 – 1.50	4	81 - 102	94 ± 10
IN-RZB20	0.01 – 1.50	4	78 - 100	93 ± 10
IN-RZD74	0.01 – 1.50	4	90 - 100	95 ± 4.6
IN-WR791	0.01 – 1.50	4	79 - 103	91 ± 12
IN-RDG40	0.01 – 1.50	4	84 - 109	96 ± 10
IN-Q7H09	0.01 – 1.50	4	89 - 108	97 ± 8.3

Oxathiapiprolin and Metabolites - Concurrent Procedural Recoveries (continued)				
Matrix/Analyte	Range of Fortification (ppm)	Sample Size (n)	Recoveries (%)	Overall Mean Recovery (%) ± Std. Dev.
Cabbage				
Oxathiapiprolin (as DPX-QGU42)	0.01 – 1.50	4	80 - 105	89 ± 11
IN-SXS67	0.01 – 1.50	4	90 - 102	94 ± 5.4
IN-E8S72	0.01 – 1.50	4	79 - 104	92 ± 11
IN-RZB20	0.01 – 1.50	4	80 - 103	92 ± 10
IN-RZD74	0.01 – 1.50	4	92 - 106	96 ± 6.6
IN-WR791	0.01 – 1.50	4	88 - 102	95 ± 5.9
IN-RDG40	0.01 – 1.50	4	80 - 113	93 ± 15
IN-Q7H09	0.01 – 1.50	4	95 - 115	103 ± 9.2

All procedural recovery results were corrected for any control contribution. Residue values were not corrected for procedural recovery results.

Representative chromatograms of control and recovery samples in or on broccoli are presented in Figure 1 for DPX-QGU42; Figure 2 for IN-SXS67; Figure 3 for IN-E8S72; Figure 4 for IN-RZB20; Figure 5 for IN-RZD74; Figure 6 for IN-WR791; Figure 7 for IN-RDG40; and Figure 8 for IN-Q7H09. Representative chromatograms of control and recovery samples in or on cauliflower are presented in Figure 9 for DPX-QGU42; Figure 10 for IN-SXS67; Figure 11 for IN-E8S72; Figure 12 for IN-RZB20; Figure 13 for IN-RZD74; Figure 14 for IN-WR791; Figure 15 for IN-RDG40; and Figure 16 for IN-Q7H09. Representative chromatograms of control and recovery samples in or on cabbage are presented in Figure 17 for DPX-QGU42; Figure 18 for IN-SXS67; Figure 19 for IN-E8S72; Figure 20 for IN-RZB20; Figure 21 for IN-RZD74; Figure 22 for IN-WR791; Figure 23 for IN-RDG40; and Figure 24 for IN-Q7H09.

4.3 Statistical Methods

Statistical methods used in this study were limited to calculations of the mean, range, standard deviation, and relative standard deviation. Statistics were calculated using rounded percent recovery values. Microsoft Excel® 2010 was employed to develop all statistical data.

4.4 Residue Analysis

The limit of quantitation (LOQ) for all analytes was 0.01 ppm.

There were no residues found in any untreated sample. The range of residues found in treated samples is summarized below. See Tables 8 through 10 for individual residue results.

Oxathiapiprolin and Metabolites - Magnitude of the Residue Range of Residues (ppm)											
Matrix	Sampling Event (Nominal) ^a	Trt No.	Formulation	Residues (ppm) ^{b,c}							
				DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H90
Broccoli	0 DALA	2	A21008A (SC)	0.207 – 0.309	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.250	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	0.156 – 0.277	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	ND – 0.163	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	0.0465 – 0.165	ND	ND	ND	ND	ND - <0.01	ND	ND
		3	A20941A (OD)	ND – 0.179	ND	ND	ND	ND	ND	ND	ND
Cauliflower	0 DALA	2	A21008A (SC)	0.0120 – 0.0978	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.0361	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	<0.01 – 0.0210	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01 – 0.0166	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	<0.01	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	<0.01	ND	ND	ND	ND	ND	ND	ND
Cabbage	0 DALA	2	A21008A (SC)	0.466 – 0.619	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	0.294 – 0.530	ND	ND	ND	ND	ND	ND	ND
	3 ± 1 DALA	2	A21008A (SC)	0.223 – 0.580	ND	ND	ND	ND	ND	ND	ND
		3	A20941A (OD)	0.292 – 0.567	ND	ND	ND	ND	ND	ND	ND
	7 ± 1 DALA	2	A21008A (SC)	0.112 – 0.615	ND	ND	ND	ND	ND - <0.01	ND	ND
		3	A20941A (OD)	0.164 – 0.417	ND	ND	ND	ND	ND	ND	ND

^aDALA = days after last application.

^b<0.01 ppm represents values <LOQ.

^cND = none detected, no observable chromatographic response.

See Appendix 4 for detailed residue spreadsheets.

Representative chromatograms of treated samples in or on broccoli are presented in Figure 1 for DPX-QGU42; Figure 2 for IN-SXS67; Figure 3 for IN-E8S72; Figure 4 for IN-RZB20; Figure 5 for IN-RZD74; Figure 6 for IN-WR791; Figure 7 for IN-RDG40; and Figure 8 for IN-Q7H09. Representative chromatograms of treated samples in or on cauliflower are presented in Figure 9 for DPX-QGU42; Figure 10 for IN-SXS67; Figure 11 for IN-E8S72; Figure 12 for IN-RZB20; Figure 13 for IN-RZD74; Figure 14 for IN-WR791; Figure 15 for IN-RDG40; and Figure 16 for IN-Q7H09. Representative chromatograms of treated samples

in or on cabbage are presented in Figure 17 for DPX-QGU42; Figure 18 for IN-SXS67; Figure 19 for IN-E8S72; Figure 20 for IN-RZB20; Figure 21 for IN-RZD74; Figure 22 for IN-WR791; Figure 23 for IN-RDG40; and Figure 24 for IN-Q7H09.

Representative chromatograms of calibration standards are presented in Figures 25 through 32 for all analytes. Representative calibration curves are provided in Figures 33 through 40 for all analytes.

4.5 Sample Storage Data

Data are available to support freezer storage for 18 months (Reference 2). This data adequately covers the maximum storage interval for all broccoli, cauliflower and cabbage samples from sample collection to extraction/initial sample analysis that was encountered in this study (3.7 months for broccoli; 6.7 months for cauliflower and 6.5 months for cabbage).

See Table 1 for more detailed information regarding specific sampling dates, extraction dates and individual sample storage intervals.

4.6 Protocol/SOP/Method Deviations

One protocol deviation, dated June 19, 2015, was issued for this phase of the study which documented two fortified samples for Analytical Set #MV1 (cauliflower) that were <70% [analysis of IN-RDG40, sample ID's TK0221426-04-001 + LOQ (ABC ID 81122-MV04n) and TK0221426-04-001 + LOQ (ABC ID 81122-MV05n), LOQ fortified samples were 68% and 63% respectively]. This deviation is not considered to have a negative impact on the integrity of the study.

SOP deviations were generated for this phase of the study and are maintained in the study file. These deviations are not considered to have a negative impact on the integrity of the study.

No method deviations were issued for this phase of the study.

5.0 CONCLUSION

Analyses of brassica head and stem vegetables raw agricultural commodity samples generated in this study for residues of oxathiapiprolin and metabolites (IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791, IN-RDG40, and IN-Q7H09) were successful as determined by concurrently run recovery samples.

6.0 REFERENCES

1. "Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS," DuPont-30422, Supplement No. 1, E. I. du Pont de Nemours and Company, November 10, 2011.

2. “Stability of DPX-QGU42 and Metabolites in Crop Matrices Stored Frozen,” DuPont-30046, E. I. du Pont de Nemours and Company, June 21, 2013.

TABLES SECTION

Abbreviations used in tables:

DALA	=	days after last application
ID	=	identification
LOQ	=	limit of quantitation
n	=	number of values
N/A	=	not applicable
ND	=	none detected, no observable chromatographic response
No.	=	number
ppm	=	parts per million
RSD	=	relative standard deviation
Std. Dev.	=	standard deviation
Trt.	=	treatment

TABLE 1 Sample Handling Dates

Sample Identification	ABC ID (81122-) ^a	Trt. No.	Matrix	Sampling Date	Extraction Date	Non-Polar ^b Analyte Injection Date	Polar ^b Analyte Injection Date	Storage Interval (months) ^c
TK0221426-01-001	001n, 001p	1	Broccoli	02-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.1
TK0221426-01-002	004n, 004p	2	Broccoli	02-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.1
TK0221426-01-003	005n, 005p	2	Broccoli	02-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.1
TK0221426-01-004	006n, 006p	2	Broccoli	05-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.0
TK0221426-01-005	007n, 007p	2	Broccoli	05-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.0
TK0221426-01-006	008n, 008p	2	Broccoli	09-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	0.8
TK0221426-01-007	009n, 009p	2	Broccoli	09-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	0.8
TK0221426-01-008	010n, 010p	3	Broccoli	02-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.1
TK0221426-01-009	011n, 011p	3	Broccoli	02-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.1
TK0221426-01-010	012n, 012p	3	Broccoli	05-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.0
TK0221426-01-011	013n, 013p	3	Broccoli	05-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	1.0
TK0221426-01-012	014n, 014p	3	Broccoli	09-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	0.8
TK0221426-01-013	015n, 015p	3	Broccoli	09-Feb-15	06-Mar-15	11-Mar-15	11-Mar-15	0.8
TK0221426-02-001	016n, 016p	1	Broccoli	12-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-002	019n, 019p	2	Broccoli	12-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-003	020n, 020p	2	Broccoli	12-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-004	021n, 021p	2	Broccoli	14-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-005	022n, 022p	2	Broccoli	14-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-006	023n, 023p	2	Broccoli	18-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.6
TK0221426-02-007	024n, 024p	2	Broccoli	18-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.6
TK0221426-02-008	025n, 025p	3	Broccoli	12-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-009	026n, 026p	3	Broccoli	12-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-010	027n, 027p	3	Broccoli	14-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-011	028n, 028p	3	Broccoli	14-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.7
TK0221426-02-012	029n, 029p	3	Broccoli	18-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.6
TK0221426-02-013	030n, 030p	3	Broccoli	18-Nov-14	06-Mar-15	11-Mar-15	11-Mar-15	3.6

^aThe first ABC ID refers to non-polar analytes (DPX-QGU42, IN-RDG40, and IN-Q7H09) and the second refers to polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791).

^bNon-polar analytes = DPX-QGU42, IN-RDG40, and IN-Q7H09; Polar analytes = IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791.

^cStorage intervals are from the date of sample collection to initial sample extraction date. Storage (months) = (number of days ÷ 365 days) × 12 months.

TABLE 1 Sample Handling Dates (continued)

Sample Identification	ABC ID (81122-) ^a	Trt. No.	Matrix	Sampling Date	Extraction Date	Non-Polar ^b Analyte Injection Date	Polar ^b Analyte Injection Date	Storage Interval (months) ^c
TK0221426-03-001	031n, 031p	1	Cauliflower	23-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.6
TK0221426-03-002	034n, 034p	2	Cauliflower	23-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.6
TK0221426-03-003	035n, 035p	2	Cauliflower	23-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.6
TK0221426-03-004	036n, 036p	2	Cauliflower	26-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.5
TK0221426-03-005	037n, 037p	2	Cauliflower	26-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.5
TK0221426-03-006	038n, 038p	2	Cauliflower	30-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.4
TK0221426-03-007	039n, 039p	2	Cauliflower	30-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.4
TK0221426-03-008	040n, 040p	3	Cauliflower	23-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.6
TK0221426-03-009	041n, 041p	3	Cauliflower	23-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.6
TK0221426-03-010	042n, 042p	3	Cauliflower	26-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.5
TK0221426-03-011	043n, 043p	3	Cauliflower	26-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.5
TK0221426-03-012	044n, 044p	3	Cauliflower	30-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.4
TK0221426-03-013	045n, 045p	3	Cauliflower	30-Dec-14	13-Mar-15	14-Mar-15	14-Mar-15	2.4
TK0221426-04-001	046n, 046p	1	Cauliflower	13-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.7
TK0221426-04-002	049n, 049p	2	Cauliflower	13-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.7
TK0221426-04-003	050n, 050p	2	Cauliflower	13-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.7
TK0221426-04-004	051n, 051p	2	Cauliflower	16-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.6
TK0221426-04-005	052n, 052p	2	Cauliflower	16-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.6
TK0221426-04-006	053n, 053p	2	Cauliflower	20-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.5
TK0221426-04-007	054n, 054p	2	Cauliflower	20-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.5
TK0221426-04-008	055n, 055p	3	Cauliflower	13-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.7
TK0221426-04-009	056n, 056p	3	Cauliflower	13-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.7
TK0221426-04-010	057n, 057p	3	Cauliflower	16-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.6
TK0221426-04-011	058n, 058p	3	Cauliflower	16-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.6
TK0221426-04-012	059n, 059p	3	Cauliflower	20-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.5
TK0221426-04-013	060n, 060p	3	Cauliflower	20-Aug-14	05-Mar-15	10-Mar-15	10-Mar-15	6.5

^aThe first ABC ID refers to non-polar analytes (DPX-QGU42, IN-RDG40, and IN-Q7H09) and the second refers to polar analytes (IN-SXS67, IN-RZB20, and IN-WR791).

^bNon-polar analytes = DPX-QGU42, IN-RDG40, and IN-Q7H09; Polar analytes = IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791.

^cStorage intervals are from the date of sample collection to initial sample extraction date. Storage (months) = (number of days ÷ 365 days) × 12 months.

TABLE 1 Sample Handling Dates (continued)

Sample Identification	ABC ID (81122-) ^a	Trt. No.	Matrix	Sampling Date	Extraction Date	Non-Polar ^b Analyte Injection Date	Polar ^b Analyte Injection Date	Storage Interval (months) ^c
TK0221426-05-001	061n, 061p	1	Cabbage	13-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.5
TK0221426-05-002	064n, 064p	2	Cabbage	13-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.5
TK0221426-05-003	065n, 065p	2	Cabbage	13-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.5
TK0221426-05-004	066n, 066p	2	Cabbage	16-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.4
TK0221426-05-005	067n, 067p	2	Cabbage	16-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.4
TK0221426-05-006	068n, 068p	2	Cabbage	20-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.2
TK0221426-05-007	069n, 069p	2	Cabbage	20-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.2
TK0221426-05-008	070n, 070p	3	Cabbage	13-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.5
TK0221426-05-009	071n, 071p	3	Cabbage	13-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.5
TK0221426-05-010	072n, 072p	3	Cabbage	16-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.4
TK0221426-05-011	073n, 073p	3	Cabbage	16-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.4
TK0221426-05-012	074n, 074p	3	Cabbage	20-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.2
TK0221426-05-013	075n, 075p	3	Cabbage	20-Aug-14	26-Feb-15	28-Feb-15	27-Feb-15	6.2

^aThe first ABC ID refers to non-polar analytes (DPX-QGU42, IN-RDG40, and IN-Q7H09) and the second refers to polar analytes (IN-SXS67, IN-RZB20, and IN-WR791).

^bNon-polar analytes = DPX-QGU42, IN-RDG40, and IN-Q7H09; Polar analytes = IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791.

^cStorage intervals are from the date of sample collection to initial sample extraction date. Storage (months) = (number of days ÷ 365 days) × 12 months.

TABLE 1 Sample Handling Dates (continued)

Sample Identification	ABC ID (81122-) ^a	Trt. No.	Matrix	Sampling Date	Extraction Date	Non-Polar ^b Analyte Injection Date	Polar ^b Analyte Injection Date	Storage Interval (months) ^c
TK0221426-06-001	076n, 076p	1	Cabbage	05-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.2
TK0221426-06-001 ^d	076n	1	Cabbage	05-Dec-14	12-Mar-15	16-Mar-15	N/A	3.2
TK0221426-06-002	079n, 079p	2	Cabbage	05-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.2
TK0221426-06-003	080n, 080p	2	Cabbage	05-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.2
TK0221426-06-004	081n, 081p	2	Cabbage	08-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.1
TK0221426-06-005	082n, 082p	2	Cabbage	08-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.1
TK0221426-06-006	083n, 083p	2	Cabbage	12-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.0
TK0221426-06-007	084n, 084p	2	Cabbage	12-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.0
TK0221426-06-008	085n, 085p	3	Cabbage	05-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.2
TK0221426-06-009	086n, 086p	3	Cabbage	05-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.2
TK0221426-06-010	087n, 087p	3	Cabbage	08-Dec-14	12-Mar-15	14-Mar-15, 16-Mar-15 ^e	14-Mar-15	3.1
TK0221426-06-011	088n, 088p	3	Cabbage	08-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.1
TK0221426-06-012	089n, 089p	3	Cabbage	12-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.0
TK0221426-06-013	090n, 090p	3	Cabbage	12-Dec-14	12-Mar-15	14-Mar-15	14-Mar-15	3.0

^aWhere two ABC ID's are listed, the first ABC ID refers to non-polar analytes (DPX-QGU42, IN-RDG40, and IN-Q7H09) and the second refers to polar analytes (IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791).

^bNon-polar analytes = DPX-QGU42, IN-RDG40, and IN-Q7H09; Polar analytes = IN-SXS67, IN-E8S72, IN-RZD74, IN-RZB20, and IN-WR791.

^cStorage intervals are from the date of sample collection to initial sample extraction date. Storage (months) = (number of days ÷ 365 days) × 12 months.

^dSample analyzed for DPX-QGU42 only. Reinject for QC purposes.

^eThe first injection date refers to IN-RDG40 and IN-Q7H09. The second injection date refers to DPX-QGU42.

TABLE 2 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c				% Recovery			
						DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20	DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20
TK0221426-01-001	MV16n MV16p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-01-001 + LOQ	MV17n MV17p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	0.01	0.00773	0.00809	0.00888	0.0108	77	81	89	108
TK0221426-01-001 + LOQ	MV18n MV18p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	0.01	0.00955	0.00901	0.00865	0.00904	96	90	86	90
TK0221426-01-001 + LOQ	MV19n MV19p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	0.01	0.00848	0.00820	0.00859	0.00901	85	82	86	90
TK0221426-01-001 + 150× LOQ	MV20n MV20p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	1.50	1.29	1.37	1.47	1.47	86	92	98	98
TK0221426-01-001 + 150× LOQ	MV21n MV21p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	1.50	1.52	1.35	1.43	1.33	101	90	96	89
TK0221426-01-001 + 150× LOQ	MV22n MV22p	MV3	25-Feb-15	25-Feb-15 27-Feb-15	1.50	1.40	1.46	1.52	1.46	93	98	101	98

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

^bThe first injection date refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20, and the second refers to non-polar analyte DPX-QGU42.

^cFortified control samples are corrected for control contribution, if any.

TABLE 2 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c					% Recovery			
						IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- Q7H09
TK0221426-01-001	MV16n MV16p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A
TK0221426-01-001 + LOQ	MV17n MV17p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	0.01	0.00880	0.0102	0.00832	0.00785	88	102	83	78	78
TK0221426-01-001 + LOQ	MV18n MV18p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	0.01	0.00972	0.00852	0.00882	0.00874	97	85	88	87	87
TK0221426-01-001 + LOQ	MV19n MV19p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	0.01	0.00877	0.0105	0.00763	0.00696	88	105	76	70	70
TK0221426-01-001 + 150× LOQ	MV20n MV20p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	1.50	1.40	1.34	1.35	1.31	93	90	90	88	88
TK0221426-01-001 + 150× LOQ	MV21n MV21p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	1.50	1.52	1.40	1.48	1.59	101	94	99	106	106
TK0221426-01-001 + 150× LOQ	MV22n MV22p	MV3	25-Feb-15	25-Feb-15 27-Feb-15 04-Mar-15	1.50	1.43	1.42	1.48	1.50	95	95	99	100	100

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

^bThe first injection date refers to polar analytes IN-RZD74 and IN-WR791, and the second refers to non-polar analyte IN-RDG40, and the third refers to non-polar analyte IN-Q7H09.

^cFortified control samples are corrected for control contribution, if any.

TABLE 2 **Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli**
(continued)

STATISTICS

DPX-QGU42	0.01 ppm	1.50 ppm	Overall	IN-SX567	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	86	93	90	Mean Recovery (%):	84	93	89
Std. Dev. (±):	9.5	7.5	8.7	Std. Dev. (±):	4.9	4.2	6.3
RSD (%):	11	8.0	9.7	RSD (%):	5.8	4.5	7.1
Range (%):	77 - 96	86 - 101	77 - 101	Range (%):	81 - 90	90 - 98	81 - 98
n:	3	3	6	n:	3	3	6

IN-E8S72	0.01 ppm	1.50 ppm	Overall	IN-RZB20	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	87	98	93	Mean Recovery (%):	96	95	96
Std. Dev. (±):	1.7	2.5	6.5	Std. Dev. (±):	10	5.2	7.4
RSD (%):	2.0	2.6	7.0	RSD (%):	11	5.5	7.7
Range (%):	86 - 89	96 - 101	86 - 101	Range (%):	90 - 108	89 - 98	89 - 108
n:	3	3	6	n:	3	3	6

IN-RZD74	0.01 ppm	1.50 ppm	Overall	IN-WR791	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	91	96	94	Mean Recovery (%):	97	93	95
Std. Dev. (±):	5.2	4.2	5.4	Std. Dev. (±):	11	2.6	7.4
RSD (%):	5.7	4.3	5.7	RSD (%):	11	2.8	7.8
Range (%):	88 - 97	93 - 101	88 - 101	Range (%):	85 - 105	90 - 95	85 - 105
n:	3	3	6	n:	3	3	6

**TABLE 2 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli
(continued)**

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	82	96	89
Std. Dev. (±):	6.0	5.2	9.0
RSD (%):	7.3	5.4	10
Range (%):	76 - 88	90 - 99	76 - 99
n:	3	3	6

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	78	98	88
Std. Dev. (±):	8.5	9.2	13
RSD (%):	11	9.4	15
Range (%):	70 - 87	88 - 106	70 - 106
n:	3	3	6

TABLE 3 **Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower**

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20	DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
Reagent Blank	MV01n MV01p	MV1	21-Nov-14	22-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001	MV02n MV02p	MV1	21-Nov-14	22-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001 + LOQ	MV03n MV03p	MV1	21-Nov-14	22-Nov-14	0.01	0.00881	0.00949	0.00994	0.0115	88	95	99	115
TK0221426-04-001 + LOQ	MV04n MV04p	MV1	21-Nov-14	22-Nov-14	0.01	0.00862	0.00846	0.00872	0.0110	86	85	87	110
TK0221426-04-001 + LOQ	MV05n MV05p	MV1	21-Nov-14	22-Nov-14	0.01	0.00977	0.00830	0.00901	0.0102	98	83	90	102
TK0221426-04-001 + 150× LOQ	MV06n MV06p	MV1	21-Nov-14	22-Nov-14	1.50	1.46	1.41	1.46	1.41	97	94	97	94
TK0221426-04-001 + 150× LOQ	MV07n MV07p	MV1	21-Nov-14	22-Nov-14	1.50	1.41	1.50	1.38	1.42	94	100	92	95
TK0221426-04-001 + 150× LOQ	MV08n MV08p	MV1	21-Nov-14	22-Nov-14	1.50	1.51	1.43	1.41	1.35	101	95	94	90

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72, and IN-RZB20.

^bFortified control samples are corrected for control contribution, if any.

TABLE 3 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
Reagent Blank	MV01n MV01p	MV1	21-Nov-14	22-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001	MV02n MV02p	MV1	21-Nov-14	22-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001 + LOQ	MV03n MV03p	MV1	21-Nov-14	22-Nov-14	0.01	0.0104	0.00868	0.00715	0.00870	104	87	72	87
TK0221426-04-001 + LOQ	MV04n MV04p	MV1	21-Nov-14	22-Nov-14	0.01	0.0104	0.00785	0.00685	0.00846	104	78	68	85
TK0221426-04-001 + LOQ	MV05n MV05p	MV1	21-Nov-14	22-Nov-14	0.01	0.00996	0.00940	0.00632	0.00837	100	94	63	84
TK0221426-04-001 + 150× LOQ	MV06n MV06p	MV1	21-Nov-14	22-Nov-14	1.50	1.40	1.43	1.45	1.42	93	96	97	95
TK0221426-04-001 + 150× LOQ	MV07n MV07p	MV1	21-Nov-14	22-Nov-14	1.50	1.45	1.41	1.40	1.37	97	94	93	91
TK0221426-04-001 + 150× LOQ	MV08n MV08p	MV1	21-Nov-14	22-Nov-14	1.50	1.42	1.41	1.40	1.41	95	94	93	94

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

^bFortified control samples are corrected for control contribution, if any.

TABLE 3 **Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)**

STATISTICS

DPX-QGU42					IN-SX567				
	Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall
	Std. Dev. (±):	6.4	3.5	5.9		Std. Dev. (±):	6.4	3.2	6.6
	RSD (%):	7.1	3.6	6.3		RSD (%):	7.3	3.3	7.1
	Range (%):	86 - 98	94 - 101	86 - 101		Range (%):	83 - 95	94 - 100	83 - 100
	n:	3	3	6		n:	3	3	6

IN-E8S72					IN-RZB20				
	Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall
	Std. Dev. (±):	6.2	2.5	4.4		Std. Dev. (±):	6.6	2.6	9.8
	RSD (%):	6.8	2.7	4.8		RSD (%):	6.0	2.8	9.7
	Range (%):	87 - 99	92 - 97	87 - 99		Range (%):	102 - 115	90 - 95	90 - 115
	n:	3	3	6		n:	3	3	6

IN-RZD74					IN-WR791				
	Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall
	Std. Dev. (±):	2.3	2.0	4.6		Std. Dev. (±):	8.0	1.2	6.9
	RSD (%):	2.2	2.1	4.7		RSD (%):	9.3	1.2	7.6
	Range (%):	100 - 104	93 - 97	93 - 104		Range (%):	78 - 94	94 - 96	78 - 96
	n:	3	3	6		n:	3	3	6

TABLE 3 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	68	94	81
Std. Dev. (±):	4.5	2.3	15
RSD (%):	6.7	2.4	19
Range (%):	63 - 72	93 - 97	63 - 97
n:	3	3	6

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	85	93	89
Std. Dev. (±):	1.5	2.1	4.7
RSD (%):	1.8	2.2	5.2
Range (%):	84 - 87	91 - 95	84 - 95
n:	3	3	6

TABLE 4 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c				% Recovery			
						DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20	DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-05-001	MV09n MV09p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-05-001 + LOQ	MV10n MV10p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00864	0.00841	0.00846	0.0106	86	84	85	106
TK0221426-05-001 + LOQ	MV11n MV11p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00760	0.00886	0.00858	0.00864	76	89	86	86
TK0221426-05-001 + LOQ	MV12n MV12p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00810	0.00999	0.00897	0.00956	81	100	90	96
TK0221426-05-001 + 150× LOQ	MV13n MV13p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.60	1.40	1.51	1.47	107	93	101	98
TK0221426-05-001 + 150× LOQ	MV14n MV14p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.66	1.54	1.58	1.45	111	103	105	97
TK0221426-05-001 + 150× LOQ	MV15n MV15p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.47	1.37	1.44	1.38	98	91	96	92

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

^bThe first injection date refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20, and the second refers to non-polar analyte DPX-QGU42.

^cFortified control samples are corrected for control contribution, if any.

TABLE 4 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c				% Recovery			
						IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-05-001	MV09n MV09p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-05-001 + LOQ	MV10n MV10p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00931	0.00872	0.00920	0.00984	93	87	92	98
TK0221426-05-001 + LOQ	MV11n MV11p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00883	0.00881	0.00905	0.00901	88	88	91	90
TK0221426-05-001 + LOQ	MV12n MV12p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	0.01	0.00955	0.00877	0.00769	0.00836	96	88	77	84
TK0221426-05-001 + 150× LOQ	MV13n MV13p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.53	1.49	1.51	1.40	102	99	101	93
TK0221426-05-001 + 150× LOQ	MV14n MV14p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.53	1.50	1.64	1.74	102	100	109	116
TK0221426-05-001 + 150× LOQ	MV15n MV15p	MV2	21-Nov-14	22-Nov-14 24-Nov-14	1.50	1.44	1.40	1.50	1.50	96	93	100	100

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

^bThe first injection date refers to polar analytes IN-RZD74 and IN-WR791, and the second refers to non-polar analytes IN-RDG40 and IN-Q7H09.

^cFortified control samples are corrected for control contribution, if any.

TABLE 4 **Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage**
(continued)

STATISTICS

DPX-QGU42					IN-SX567				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	81	105	93		Std. Dev. (±):	91	96	93	
RSD (%):	5.0	6.7	14		RSD (%):	8.2	6.4	7.1	
Range (%):	6.2	6.3	15		Range (%):	9.0	6.7	7.6	
n:	76 - 86	98 - 111	76 - 111		n:	84 - 100	91 - 103	84 - 103	
	3	3	6			3	3	6	

IN-E8S72					IN-RZB20				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	87	101	94		Std. Dev. (±):	96	96	96	
RSD (%):	2.6	4.5	8.2		RSD (%):	10	3.2	6.6	
Range (%):	3.0	4.5	8.7		Range (%):	10	3.4	6.9	
n:	85 - 90	96 - 105	85 - 105		n:	86 - 106	92 - 98	86 - 106	
	3	3	6			3	3	6	

IN-RZD74					IN-WR791				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	92	100	96		Std. Dev. (±):	88	97	93	
RSD (%):	4.0	3.5	5.4		RSD (%):	0.58	3.8	5.8	
Range (%):	4.4	3.5	5.6		Range (%):	0.66	3.9	6.3	
n:	88 - 96	96 - 102	88 - 102		n:	87 - 88	93 - 100	87 - 100	
	3	3	6			3	3	6	

**TABLE 4 Method Verification Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage
(continued)**

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	87	103	95
Std. Dev. (±):	8.4	4.9	11
RSD (%):	9.7	4.8	12
Range (%):	77 - 92	100 - 109	77 - 109
n:	3	3	6

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	91	103	97
Std. Dev. (±):	7.0	12	11
RSD (%):	7.7	11	11
Range (%):	84 - 98	93 - 116	84 - 116
n:	3	3	6

TABLE 5 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20	DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-01-001	001n 001p	001	06-Mar-15	11-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-01-001 + LOQ	002n 002p	001	06-Mar-15	11-Mar-15	0.01	0.00750	0.00730	0.00915	0.00950	75	73	91	95
TK0221426-01-001 + 150× LOQ	003n 003p	001	06-Mar-15	11-Mar-15	1.50	1.39	1.43	1.51	1.45	93	96	101	96
TK0221426-02-001	016n 016p	002	06-Mar-15	11-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-02-001 + LOQ	017n 017p	002	06-Mar-15	11-Mar-15	0.01	0.00699	0.00883	0.00941	0.00848	70	88	94	85
TK0221426-02-001 + 150× LOQ	018n 018p	002	06-Mar-15	11-Mar-15	1.50	1.45	1.53	1.53	1.58	97	102	102	105

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

^bFortified control samples are corrected for control contribution, if any.

TABLE 5 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09	IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-01-001	001n 001p	001	06-Mar-15	11-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-01-001 + LOQ	002n 002p	001	06-Mar-15	11-Mar-15	0.01	0.00871	0.00990	0.00815	0.00757	87	99	82	76
TK0221426-01-001 + 150× LOQ	003n 003p	001	06-Mar-15	11-Mar-15	1.50	1.48	1.48	1.49	1.50	99	99	99	100
TK0221426-02-001	016n 016p	002	06-Mar-15	11-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-02-001 + LOQ	017n 017p	002	06-Mar-15	11-Mar-15	0.01	0.0102	0.00919	0.00795	0.00889	102	92	80	89
TK0221426-02-001 + 150× LOQ	018n 018p	002	06-Mar-15	11-Mar-15	1.50	1.55	1.56	1.64	1.68	103	104	109	112

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

^bFortified control samples are corrected for control contribution, if any.

TABLE 5 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli (continued)

STATISTICS

DPX-QGU42					IN-SXS67				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	13		Std. Dev. (±):	N/A	N/A	13	
RSD (%):	N/A	N/A	16		RSD (%):	N/A	N/A	14	
Range (%):	70 , 75	93 , 97	70 - 97		Range (%):	73 , 88	96 , 102	73 - 102	
n:	2	2	4		n:	2	2	4	

IN-E8S72					IN-RZB20				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	5.4		Std. Dev. (±):	N/A	N/A	8.2	
RSD (%):	N/A	N/A	5.5		RSD (%):	N/A	N/A	8.6	
Range (%):	91 , 94	101 , 102	91 - 102		Range (%):	85 , 95	96 , 105	85 - 105	
n:	2	2	4		n:	2	2	4	

IN-RZD74					IN-WR791				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	7.4		Std. Dev. (±):	N/A	N/A	4.9	
RSD (%):	N/A	N/A	7.5		RSD (%):	N/A	N/A	5.0	
Range (%):	87 , 102	99 , 103	87 - 103		Range (%):	92 , 99	99 , 104	92 - 104	
n:	2	2	4		n:	2	2	4	

TABLE 5 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Broccoli (continued)

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	81	104	93
Std. Dev. (±):	N/A	N/A	14
RSD (%):	N/A	N/A	15
Range (%):	80 , 82	99 , 109	80 - 109
n:	2	2	4

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	83	106	94
Std. Dev. (±):	N/A	N/A	15
RSD (%):	N/A	N/A	16
Range (%):	76 , 89	100 , 112	76 - 112
n:	2	2	4

TABLE 6 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20	DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20
TK0221426-03-001	031n 031p	003	13-Mar-15	14-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-03-001 + LOQ	032n 032p	003	13-Mar-15	14-Mar-15	0.01	0.00709	0.00799	0.00895	0.00998	71	80	89	100
TK0221426-03-001 + 150× LOQ	033n 033p	003	13-Mar-15	14-Mar-15	1.50	1.52	1.42	1.54	1.42	101	95	102	95
TK0221426-04-001	046n 046p	004	05-Mar-15	10-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001 + LOQ	047n 047p	004	05-Mar-15	10-Mar-15	0.01	0.00769	0.00945	0.00814	0.00780	77	95	81	78
TK0221426-04-001 + 150× LOQ	048n 048p	004	05-Mar-15	10-Mar-15	1.50	1.48	1.45	1.52	1.49	99	97	102	100

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

^bFortified control samples are corrected for control contribution, if any.

TABLE 6 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date	Fort. Level (ppm)	Results (ppm) ^b				% Recovery			
						IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-03-001	031n 031p	003	13-Mar-15	14-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-03-001 + LOQ	032n 032p	003	13-Mar-15	14-Mar-15	0.01	0.00929	0.00838	0.00972	0.00975	93	84	97	97
TK0221426-03-001 + 150× LOQ	033n 033p	003	13-Mar-15	14-Mar-15	1.50	1.47	1.55	1.63	1.62	98	103	109	108
TK0221426-04-001	046n 046p	004	05-Mar-15	10-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-04-001 + LOQ	047n 047p	004	05-Mar-15	10-Mar-15	0.01	0.00897	0.00785	0.00843	0.00891	90	79	84	89
TK0221426-04-001 + 150× LOQ	048n 048p	004	05-Mar-15	10-Mar-15	1.50	1.50	1.48	1.39	1.38	100	99	92	92

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

^bFortified control samples are corrected for control contribution, if any.

TABLE 6 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)

STATISTICS

DPX-QGU42					IN-SXS67				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	15		Std. Dev. (±):	N/A	N/A	7.9	
RSD (%):	N/A	N/A	18		RSD (%):	N/A	N/A	8.6	
Range (%):	71 , 77	99 , 101	71 - 101		Range (%):	80 , 95	95 , 97	80 - 97	
n:	2	2	4		n:	2	2	4	

IN-E8S72					IN-RZB20				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	10		Std. Dev. (±):	N/A	N/A	10	
RSD (%):	N/A	N/A	11		RSD (%):	N/A	N/A	11	
Range (%):	81 , 89	N/A	81 - 102		Range (%):	78 , 100	95 , 100	78 - 100	
n:	2	2	4		n:	2	2	4	

IN-RZD74					IN-WR791				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	4.6		Std. Dev. (±):	N/A	N/A	12	
RSD (%):	N/A	N/A	4.8		RSD (%):	N/A	N/A	13	
Range (%):	90 , 93	98 , 100	90 - 100		Range (%):	79 , 84	99 , 103	79 - 103	
n:	2	2	4		n:	2	2	4	

TABLE 6 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cauliflower (continued)

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	91	101	96
Std. Dev. (±):	N/A	N/A	10
RSD (%):	N/A	N/A	11
Range (%):	84 , 97	92 , 109	84 - 109
n:	2	2	4

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	93	100	97
Std. Dev. (±):	N/A	N/A	8.3
RSD (%):	N/A	N/A	8.6
Range (%):	89 , 97	92 , 108	89 - 108
n:	2	2	4

TABLE 7 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c				% Recovery			
						DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20	DPX- QGU42	IN- SXS67	IN- E8S72	IN- RZB20
TK0221426-05-001	061n 061p	005	26-Feb-15	27-Feb-15 28-Feb-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-05-001 + LOQ	062n 062p	005	26-Feb-15	27-Feb-15 28-Feb-15	0.01	0.00833	0.00917	0.00875	0.00871	83	92	88	87
TK0221426-05-001 + 150× LOQ	063n 063p	005	26-Feb-15	27-Feb-15 28-Feb-15	1.50	1.57	1.54	1.55	1.55	105	102	104	103
TK0221426-06-001	076n 076p	006	12-Mar-15	14-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-06-001 + LOQ	077n 077p	006	12-Mar-15	14-Mar-15	0.01	0.00802	0.00896	0.00790	0.00797	80	90	79	80
TK0221426-06-001 + 150× LOQ	078n 078p	006	12-Mar-15	14-Mar-15	1.50	1.33	1.38	1.43	1.44	89	92	96	96
TK0221426-06-001 ^d	076n	006	12-Mar-15	16-Mar-15	N/A	ND	--	--	--	N/A	--	--	--
TK0221426-06-001 + 150× LOQ ^d	078n	006	12-Mar-15	16-Mar-15	1.50	1.34	--	--	--	90	--	--	--

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

^bThe first injection date refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20, the second refers to non-polar analyte DPX-QGU42.

^cFortified control samples are corrected for control contribution, if any.

^dSample re-injected for quality control purposes only and is not used in statistical evaluation.

TABLE 7 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage (continued)

Sample Identification	ABC ID (81122-) ^a	Set No.	Extraction Date	Injection Date ^b	Fort. Level (ppm)	Results (ppm) ^c				% Recovery			
						IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09	IN- RZD74	IN- WR791	IN- RDG40	IN- Q7H09
TK0221426-05-001	061n 061p	005	26-Feb-15	27-Feb-15 28-Feb-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-05-001 + LOQ	062n 062p	005	26-Feb-15	27-Feb-15 28-Feb-15	0.01	0.00921	0.00929	0.00797	0.00972	92	93	80	97
TK0221426-05-001 + 150× LOQ	063n 063p	005	26-Feb-15	27-Feb-15 28-Feb-15	1.50	1.59	1.53	1.70	1.73	106	102	113	115
TK0221426-06-001	076n 076p	006	12-Mar-15	14-Mar-15	N/A	ND	ND	ND	ND	N/A	N/A	N/A	N/A
TK0221426-06-001 + LOQ	077n 077p	006	12-Mar-15	14-Mar-15	0.01	0.00930	0.00883	0.00852	0.00946	93	88	85	95
TK0221426-06-001 + 150× LOQ	078n 078p	006	12-Mar-15	14-Mar-15	1.50	1.41	1.43	1.40	1.58	94	96	93	106

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.
^bThe first injection date refers to polar analytes IN-RZD74 and IN-WR791, and the second refers to non-polar analytes IN-RDG40 and IN-Q7H09.
^cFortified control samples are corrected for control contribution, if any.

TABLE 7 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage (continued)

STATISTICS

DPX-QGU42					IN-SXS67				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	11		Std. Dev. (±):	N/A	N/A	5.4	
RSD (%):	N/A	N/A	12		RSD (%):	N/A	N/A	5.8	
Range (%):	80 , 83	89 , 105	80 - 105		Range (%):	90 , 92	92 , 102	90 - 102	
n:	2	2	4		n:	2	2	4	

IN-E8S72					IN-RZB20				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	11		Std. Dev. (±):	N/A	N/A	10	
RSD (%):	N/A	N/A	12		RSD (%):	N/A	N/A	11	
Range (%):	79 , 88	96 , 104	79 - 104		Range (%):	80 , 87	96 , 103	80 - 103	
n:	2	2	4		n:	2	2	4	

IN-RZD74					IN-WR791				
Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall		Mean Recovery (%):	0.01 ppm	1.50 ppm	Overall	
Std. Dev. (±):	N/A	N/A	6.6		Std. Dev. (±):	N/A	N/A	5.9	
RSD (%):	N/A	N/A	6.8		RSD (%):	N/A	N/A	6.2	
Range (%):	92 , 93	94 , 106	92 - 106		Range (%):	88 , 93	96 , 102	88 - 102	
n:	2	2	4		n:	2	2	4	

TABLE 7 Laboratory Fortification (Procedural) Recoveries for Oxathiapiprolin (DPX-QGU42) and Metabolites from Cabbage (continued)

STATISTICS

IN-RDG40	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	83	103	93
Std. Dev. (±):	N/A	N/A	15
RSD (%):	N/A	N/A	16
Range (%):	80 , 85	93 , 113	80 - 113
n:	2	2	4

IN-Q7H09	0.01 ppm	1.50 ppm	Overall
Mean Recovery (%):	96	111	103
Std. Dev. (±):	N/A	N/A	9.2
RSD (%):	N/A	N/A	8.9
Range (%):	95 , 97	106 , 115	95 - 115
n:	2	2	4

TABLE 8 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Broccoli**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-01	001	001n, 001p	Broccoli	1	0 DALA	001	ND	ND	ND	ND
	002	004n, 004p	Broccoli	2	0 DALA	001	0.227	ND	ND	ND
	003	005n, 005p	Broccoli	2	0 DALA	001	0.309	ND	ND	ND
	004	006n, 006p	Broccoli	2	3 (± 1) DALA	001	0.156	ND	ND	ND
	005	007n, 007p	Broccoli	2	3 (± 1) DALA	001	0.221	ND	ND	ND
	006	008n, 008p	Broccoli	2	7 (± 1) DALA	001	0.126	ND	ND	ND
	007	009n, 009p	Broccoli	2	7 (± 1) DALA	001	0.165	ND	ND	ND
	008	010n, 010p	Broccoli	3	0 DALA	001	0.250	ND	ND	ND
	009	011n, 011p	Broccoli	3	0 DALA	001	0.211	ND	ND	ND
	010	012n, 012p	Broccoli	3	3 (± 1) DALA	001	0.163	ND	ND	ND
	011	013n, 013p	Broccoli	3	3 (± 1) DALA	001	0.128	ND	ND	ND
	012	014n, 014p	Broccoli	3	7 (± 1) DALA	001	0.103	ND	ND	ND
	013	015n, 015p	Broccoli	3	7 (± 1) DALA	001	0.179	ND	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

Table 8 Residues of Oxathiapiroline (DPX-QGU42) and Metabolites in or on Broccoli (continued)

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-01	001	001n, 001p	Broccoli	1	0 DALA	001	ND	ND	ND	ND
	002	004n, 004p	Broccoli	2	0 DALA	001	ND	ND	ND	ND
	003	005n, 005p	Broccoli	2	0 DALA	001	ND	ND	ND	ND
	004	006n, 006p	Broccoli	2	3 (± 1) DALA	001	ND	ND	ND	ND
	005	007n, 007p	Broccoli	2	3 (± 1) DALA	001	ND	ND	ND	ND
	006	008n, 008p	Broccoli	2	7 (± 1) DALA	001	ND	ND	ND	ND
	007	009n, 009p	Broccoli	2	7 (± 1) DALA	001	ND	ND	ND	ND
	008	010n, 010p	Broccoli	3	0 DALA	001	ND	ND	ND	ND
	009	011n, 011p	Broccoli	3	0 DALA	001	ND	ND	ND	ND
	010	012n, 012p	Broccoli	3	3 (± 1) DALA	001	ND	ND	ND	ND
	011	013n, 013p	Broccoli	3	3 (± 1) DALA	001	ND	ND	ND	ND
	012	014n, 014p	Broccoli	3	7 (± 1) DALA	001	ND	ND	ND	ND
	013	015n, 015p	Broccoli	3	7 (± 1) DALA	001	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

Table 8 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Broccoli (continued)**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm) ^b			
							DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-02	001	016n, 016p	Broccoli	1	0 DALA	002	ND	ND	ND	ND
	002	019n, 019p	Broccoli	2	0 DALA	002	0.266	ND	ND	ND
	003	020n, 020p	Broccoli	2	0 DALA	002	0.207	ND	ND	ND
	004	021n, 021p	Broccoli	2	3 (± 1) DALA	002	0.277	ND	ND	ND
	005	022n, 022p	Broccoli	2	3 (± 1) DALA	002	0.208	ND	ND	ND
	006	023n, 023p	Broccoli	2	7 (± 1) DALA	002	0.161	ND	ND	ND
	007	024n, 024p	Broccoli	2	7 (± 1) DALA	002	0.0465	ND	ND	ND
	008	025n, 025p	Broccoli	3	0 DALA	002	<0.01	ND	ND	ND
	009	026n, 026p	Broccoli	3	0 DALA	002	<0.01	ND	ND	ND
	010	027n, 027p	Broccoli	3	3 (± 1) DALA	002	ND	ND	ND	ND
	011	028n, 028p	Broccoli	3	3 (± 1) DALA	002	<0.01	ND	ND	ND
	012	029n, 029p	Broccoli	3	7 (± 1) DALA	002	ND	ND	ND	ND
	013	030n, 030p	Broccoli	3	7 (± 1) DALA	002	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.
^b<0.01 ppm represents values <LOQ.

Table 8 Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Broccoli (continued)

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm) ^b			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-02	001	016n, 016p	Broccoli	1	0 DALA	002	ND	ND	ND	ND
	002	019n, 019p	Broccoli	2	0 DALA	002	ND	ND	ND	ND
	003	020n, 020p	Broccoli	2	0 DALA	002	ND	ND	ND	ND
	004	021n, 021p	Broccoli	2	3 (± 1) DALA	002	ND	ND	ND	ND
	005	022n, 022p	Broccoli	2	3 (± 1) DALA	002	ND	ND	ND	ND
	006	023n, 023p	Broccoli	2	7 (± 1) DALA	002	ND	<0.01	ND	ND
	007	024n, 024p	Broccoli	2	7 (± 1) DALA	002	ND	<0.01	ND	ND
	008	025n, 025p	Broccoli	3	0 DALA	002	ND	ND	ND	ND
	009	026n, 026p	Broccoli	3	0 DALA	002	ND	ND	ND	ND
	010	027n, 027p	Broccoli	3	3 (± 1) DALA	002	ND	ND	ND	ND
	011	028n, 028p	Broccoli	3	3 (± 1) DALA	002	ND	ND	ND	ND
	012	029n, 029p	Broccoli	3	7 (± 1) DALA	002	ND	ND	ND	ND
	013	030n, 030p	Broccoli	3	7 (± 1) DALA	002	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.
^b<0.01 ppm represents values <LOQ.

TABLE 9 Residues of Oxathiapirolin (DPX-QGU42) and Metabolites in or on Cauliflower

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm) ^b		
							DPX-QGU42	IN-SXS67	IN-E8S72
TK0221426-03	001	031n, 031p	Cauliflower	1	0 DALA	003	ND	ND	ND
	002	034n, 034p	Cauliflower	2	0 DALA	003	0.0120	ND	ND
	003	035n, 035p	Cauliflower	2	0 DALA	003	0.0125	ND	ND
	004	036n, 036p	Cauliflower	2	3 (± 1) DALA	003	0.0156	ND	ND
	005	037n, 037p	Cauliflower	2	3 (± 1) DALA	003	0.0210	ND	ND
	006	038n, 038p	Cauliflower	2	7 (± 1) DALA	003	<0.01	ND	ND
	007	039n, 039p	Cauliflower	2	7 (± 1) DALA	003	<0.01	ND	ND
	008	040n, 040p	Cauliflower	3	0 DALA	003	<0.01	ND	ND
	009	041n, 041p	Cauliflower	3	0 DALA	003	<0.01	ND	ND
	010	042n, 042p	Cauliflower	3	3 (± 1) DALA	003	<0.01	ND	ND
	011	043n, 043p	Cauliflower	3	3 (± 1) DALA	003	<0.01	ND	ND
	012	044n, 044p	Cauliflower	3	7 (± 1) DALA	003	<0.01	ND	ND
	013	045n, 045p	Cauliflower	3	7 (± 1) DALA	003	<0.01	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.
^b<0.01 ppm represents values <LOQ.

TABLE 9 **Residues of Oxathiapirolin (DPX-QGU42) and Metabolites in or on Cauliflower (continued)**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-03	001	031n, 031p	Cauliflower	1	0 DALA	003	ND	ND	ND	ND
	002	034n, 034p	Cauliflower	2	0 DALA	003	ND	ND	ND	ND
	003	035n, 035p	Cauliflower	2	0 DALA	003	ND	ND	ND	ND
	004	036n, 036p	Cauliflower	2	3 (± 1) DALA	003	ND	ND	ND	ND
	005	037n, 037p	Cauliflower	2	3 (± 1) DALA	003	ND	ND	ND	ND
	006	038n, 038p	Cauliflower	2	7 (± 1) DALA	003	ND	ND	ND	ND
	007	039n, 039p	Cauliflower	2	7 (± 1) DALA	003	ND	ND	ND	ND
	008	040n, 040p	Cauliflower	3	0 DALA	003	ND	ND	ND	ND
	009	041n, 041p	Cauliflower	3	0 DALA	003	ND	ND	ND	ND
	010	042n, 042p	Cauliflower	3	3 (± 1) DALA	003	ND	ND	ND	ND
	011	043n, 043p	Cauliflower	3	3 (± 1) DALA	003	ND	ND	ND	ND
	012	044n, 044p	Cauliflower	3	7 (± 1) DALA	003	ND	ND	ND	ND
	013	045n, 045p	Cauliflower	3	7 (± 1) DALA	003	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

TABLE 9 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cauliflower (continued)**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm) ^b			
							DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-04	001	046n, 046p	Cauliflower	1	0 DALA	004	ND	ND	ND	ND
	002	049n, 049p	Cauliflower	2	0 DALA	004	0.0978	ND	ND	ND
	003	050n, 050p	Cauliflower	2	0 DALA	004	0.0794	ND	ND	ND
	004	051n, 051p	Cauliflower	2	3 (± 1) DALA	004	<0.01	ND	ND	ND
	005	052n, 052p	Cauliflower	2	3 (± 1) DALA	004	0.0110	ND	ND	ND
	006	053n, 053p	Cauliflower	2	7 (± 1) DALA	004	<0.01	ND	ND	ND
	007	054n, 054p	Cauliflower	2	7 (± 1) DALA	004	<0.01	ND	ND	ND
	008	055n, 055p	Cauliflower	3	0 DALA	004	0.0361	ND	ND	ND
	009	056n, 056p	Cauliflower	3	0 DALA	004	0.0341	ND	ND	ND
	010	057n, 057p	Cauliflower	3	3 (± 1) DALA	004	0.0166	ND	ND	ND
	011	058n, 058p	Cauliflower	3	3 (± 1) DALA	004	<0.01	ND	ND	ND
	012	059n, 059p	Cauliflower	3	7 (± 1) DALA	004	<0.01	ND	ND	ND
	013	060n, 060p	Cauliflower	3	7 (± 1) DALA	004	<0.01	ND	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.
^b<0.01 ppm represents values <LOQ.

TABLE 9 Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cauliflower (continued)

Field Trial Number	Sample No.	ABC ID (81122) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-04	001	046n, 046p	Cauliflower	1	0 DALA	004	ND	ND	ND	ND
	002	049n, 049p	Cauliflower	2	0 DALA	004	ND	ND	ND	ND
	003	050n, 050p	Cauliflower	2	0 DALA	004	ND	ND	ND	ND
	004	051n, 051p	Cauliflower	2	3 (± 1) DALA	004	ND	ND	ND	ND
	005	052n, 052p	Cauliflower	2	3 (± 1) DALA	004	ND	ND	ND	ND
	006	053n, 053p	Cauliflower	2	7 (± 1) DALA	004	ND	ND	ND	ND
	007	054n, 054p	Cauliflower	2	7 (± 1) DALA	004	ND	ND	ND	ND
	008	055n, 055p	Cauliflower	3	0 DALA	004	ND	ND	ND	ND
	009	056n, 056p	Cauliflower	3	0 DALA	004	ND	ND	ND	ND
	010	057n, 057p	Cauliflower	3	3 (± 1) DALA	004	ND	ND	ND	ND
	011	058n, 058p	Cauliflower	3	3 (± 1) DALA	004	ND	ND	ND	ND
	012	059n, 059p	Cauliflower	3	7 (± 1) DALA	004	ND	ND	ND	ND
	013	060n, 060p	Cauliflower	3	7 (± 1) DALA	004	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

TABLE 10 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cabbage**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-05	001	061n, 061p	Cabbage	1	0 DALA	005	ND	ND	ND	ND
	002	064n, 064p	Cabbage	2	0 DALA	005	0.466	ND	ND	ND
	003	065n, 065p	Cabbage	2	0 DALA	005	0.467	ND	ND	ND
	004	066n, 066p	Cabbage	2	3 (± 1) DALA	005	0.223	ND	ND	ND
	005	067n, 067p	Cabbage	2	3 (± 1) DALA	005	0.253	ND	ND	ND
	006	068n, 068p	Cabbage	2	7 (± 1) DALA	005	0.133	ND	ND	ND
	007	069n, 069p	Cabbage	2	7 (± 1) DALA	005	0.112	ND	ND	ND
	008	070n, 070p	Cabbage	3	0 DALA	005	0.355	ND	ND	ND
	009	071n, 071p	Cabbage	3	0 DALA	005	0.294	ND	ND	ND
	010	072n, 072p	Cabbage	3	3 (± 1) DALA	005	0.435	ND	ND	ND
	011	073n, 073p	Cabbage	3	3 (± 1) DALA	005	0.292	ND	ND	ND
	012	074n, 074p	Cabbage	3	7 (± 1) DALA	005	0.199	ND	ND	ND
	013	075n, 075p	Cabbage	3	7 (± 1) DALA	005	0.164	ND	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

TABLE 10 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cabbage (continued)**

Field Trial Number	Sample No.	ABC ID (81122) ^a	Matrix	Trt ID	Timing (nominal) ^b	Set No.	Residues (ppm) ^b			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-05	001	061n, 061p	Cabbage	1	0 DALA	005	ND	ND	ND	ND
	002	064n, 064p	Cabbage	2	0 DALA	005	ND	ND	ND	ND
	003	065n, 065p	Cabbage	2	0 DALA	005	ND	ND	ND	ND
	004	066n, 066p	Cabbage	2	3 (± 1) DALA	005	ND	ND	ND	ND
	005	067n, 067p	Cabbage	2	3 (± 1) DALA	005	ND	ND	ND	ND
	006	068n, 068p	Cabbage	2	7 (± 1) DALA	005	ND	<0.01	ND	ND
	007	069n, 069p	Cabbage	2	7 (± 1) DALA	005	ND	ND	ND	ND
	008	070n, 070p	Cabbage	3	0 DALA	005	ND	ND	ND	ND
	009	071n, 071p	Cabbage	3	0 DALA	005	ND	ND	ND	ND
	010	072n, 072p	Cabbage	3	3 (± 1) DALA	005	ND	ND	ND	ND
	011	073n, 073p	Cabbage	3	3 (± 1) DALA	005	ND	ND	ND	ND
	012	074n, 074p	Cabbage	3	7 (± 1) DALA	005	ND	ND	ND	ND
	013	075n, 075p	Cabbage	3	7 (± 1) DALA	005	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.
^b<0.01 ppm represents values <LOQ.

TABLE 10 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cabbage (continued)**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20
TK0221426-06	001	076n, 076p	Cabbage	1	0 DALA	006	ND	ND	ND	ND
	002	079n, 079p	Cabbage	2	0 DALA	006	0.584	ND	ND	ND
	003	080n, 080p	Cabbage	2	0 DALA	006	0.619	ND	ND	ND
	004	081n, 081p	Cabbage	2	3 (± 1) DALA	006	0.439	ND	ND	ND
	005	082n, 082p	Cabbage	2	3 (± 1) DALA	006	0.580	ND	ND	ND
	006	083n, 083p	Cabbage	2	7 (± 1) DALA	006	0.405	ND	ND	ND
	007	084n, 084p	Cabbage	2	7 (± 1) DALA	006	0.615	ND	ND	ND
	008	085n, 085p	Cabbage	3	0 DALA	006	0.530	ND	ND	ND
	009	086n, 086p	Cabbage	3	0 DALA	006	0.439	ND	ND	ND
	010	087n, 087p	Cabbage	3	3 (± 1) DALA	006	0.567	ND	ND	ND
	011	088n, 088p	Cabbage	3	3 (± 1) DALA	006	0.388	ND	ND	ND
	012	089n, 089p	Cabbage	3	7 (± 1) DALA	006	0.396	ND	ND	ND
	013	090n, 090p	Cabbage	3	7 (± 1) DALA	006	0.417	ND	ND	ND

^aThe first ABC ID refers to non-polar analyte DPX-QGU42, and the second refers to polar analytes IN-SXS67, IN-E8S72 and IN-RZB20.

TABLE 10 **Residues of Oxathiapiprolin (DPX-QGU42) and Metabolites in or on Cabbage (continued)**

Field Trial Number	Sample No.	ABC ID (81122-) ^a	Matrix	Trt ID	Timing (nominal)	Set No.	Residues (ppm)			
							IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-06	001	076n, 076p	Cabbage	1	0 DALA	006	ND	ND	ND	ND
	002	079n, 079p	Cabbage	2	0 DALA	006	ND	ND	ND	ND
	003	080n, 080p	Cabbage	2	0 DALA	006	ND	ND	ND	ND
	004	081n, 081p	Cabbage	2	3 (± 1) DALA	006	ND	ND	ND	ND
	005	082n, 082p	Cabbage	2	3 (± 1) DALA	006	ND	ND	ND	ND
	006	083n, 083p	Cabbage	2	7 (± 1) DALA	006	ND	ND	ND	ND
	007	084n, 084p	Cabbage	2	7 (± 1) DALA	006	ND	ND	ND	ND
	008	085n, 085p	Cabbage	3	0 DALA	006	ND	ND	ND	ND
	009	086n, 086p	Cabbage	3	0 DALA	006	ND	ND	ND	ND
	010	087n, 087p	Cabbage	3	3 (± 1) DALA	006	ND	ND	ND	ND
	011	088n, 088p	Cabbage	3	3 (± 1) DALA	006	ND	ND	ND	ND
	012	089n, 089p	Cabbage	3	7 (± 1) DALA	006	ND	ND	ND	ND
	013	090n, 090p	Cabbage	3	7 (± 1) DALA	006	ND	ND	ND	ND

^aThe first ABC ID refers to non-polar analytes IN-RDG40 and IN-Q7H09, and the second refers to polar analytes IN-RZD74 and IN-WR791.

FIGURES SECTION

FIGURE 1 Representative Chromatograms – DPX-QGU42 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-01, **DPX-QGU42**, Set #001
- Broccoli, Control Sample 81122-001n, TK0221426-01-001, 0.01 g sample/mL
Expected Retention Time: 1.67 minutes
DPX-QGU42 Reported: None Detected

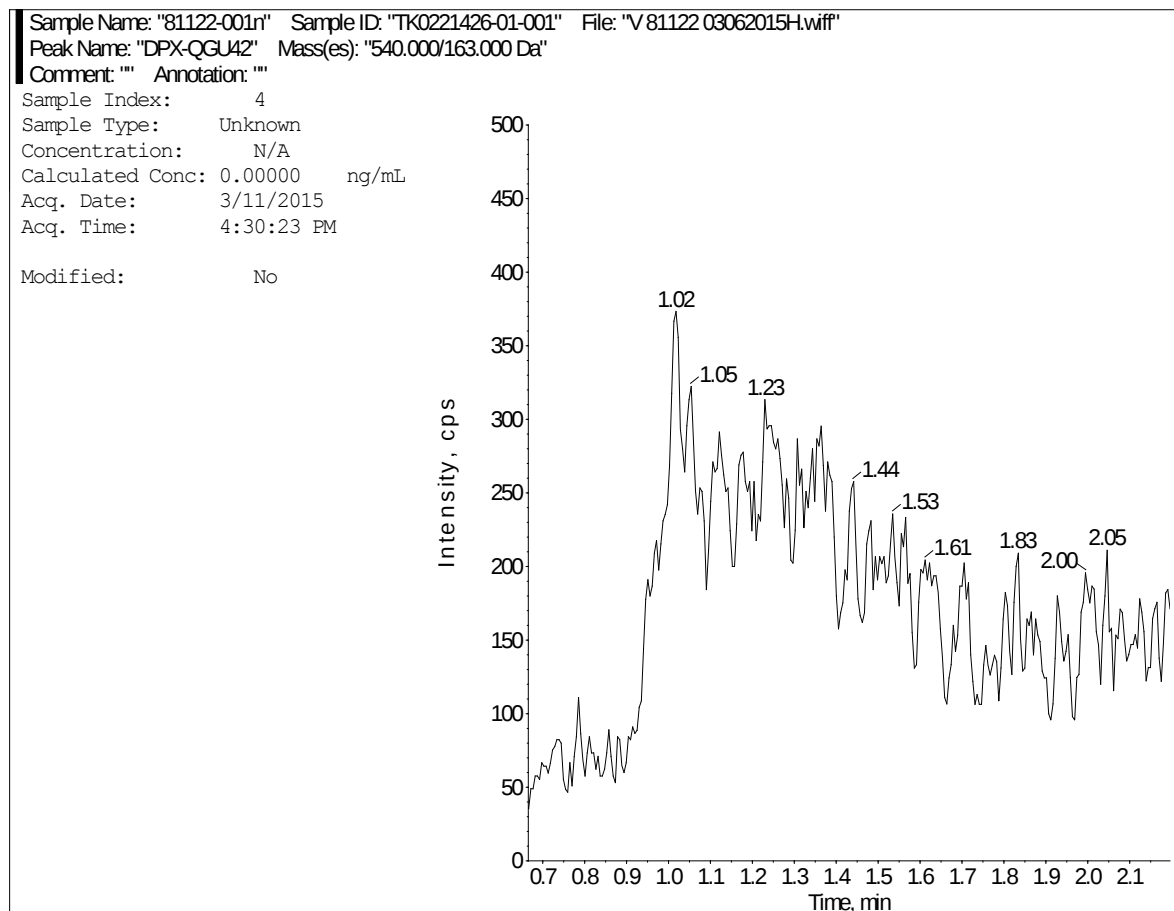


FIGURE 1 Representative Chromatograms – DPX-QGU42 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **DPX-QGU42**, Set #001
- Broccoli, Control Sample 81122-002n, TK0221426-01-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 75%

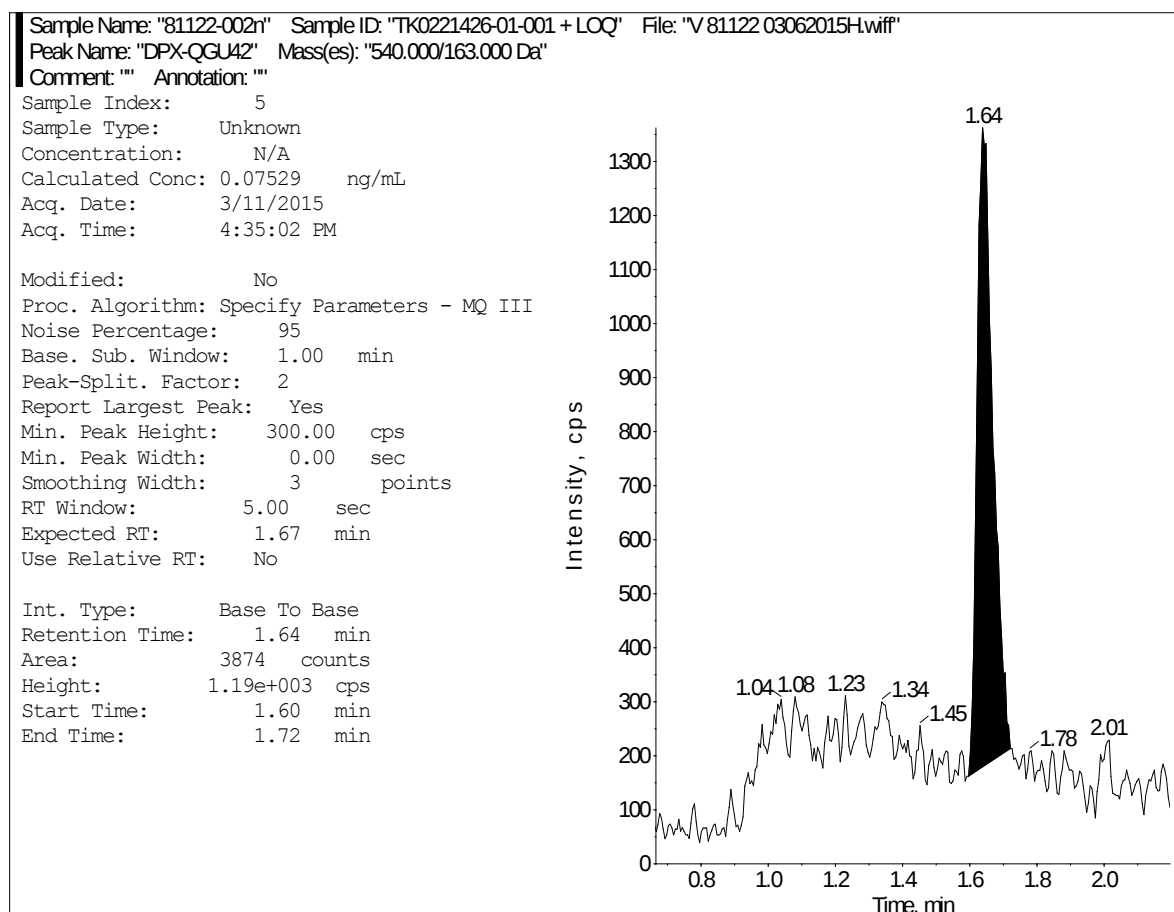


FIGURE 1 Representative Chromatograms – DPX-QGU42 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **DPX-QGU42**, Set #001
- Broccoli, Control Sample 81122-003n, TK0221426-01-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 93%

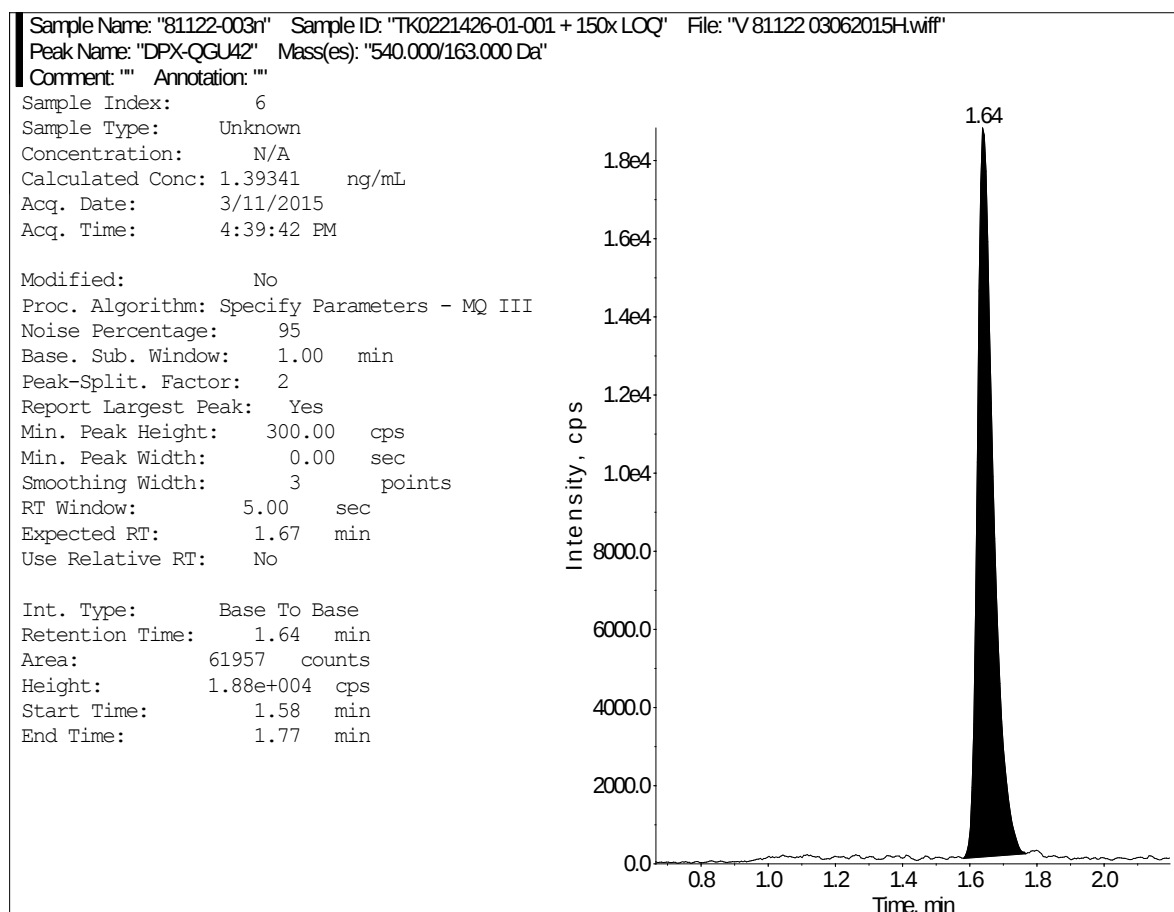


FIGURE 1 Representative Chromatograms – DPX-QGU42 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **DPX-QGU42**, Set #001
- Broccoli, Treated Sample 81122-005n, TK0221426-01-003, 0.01 g sample/mL
DPX-QGU42 Reported: 0.309 ppm

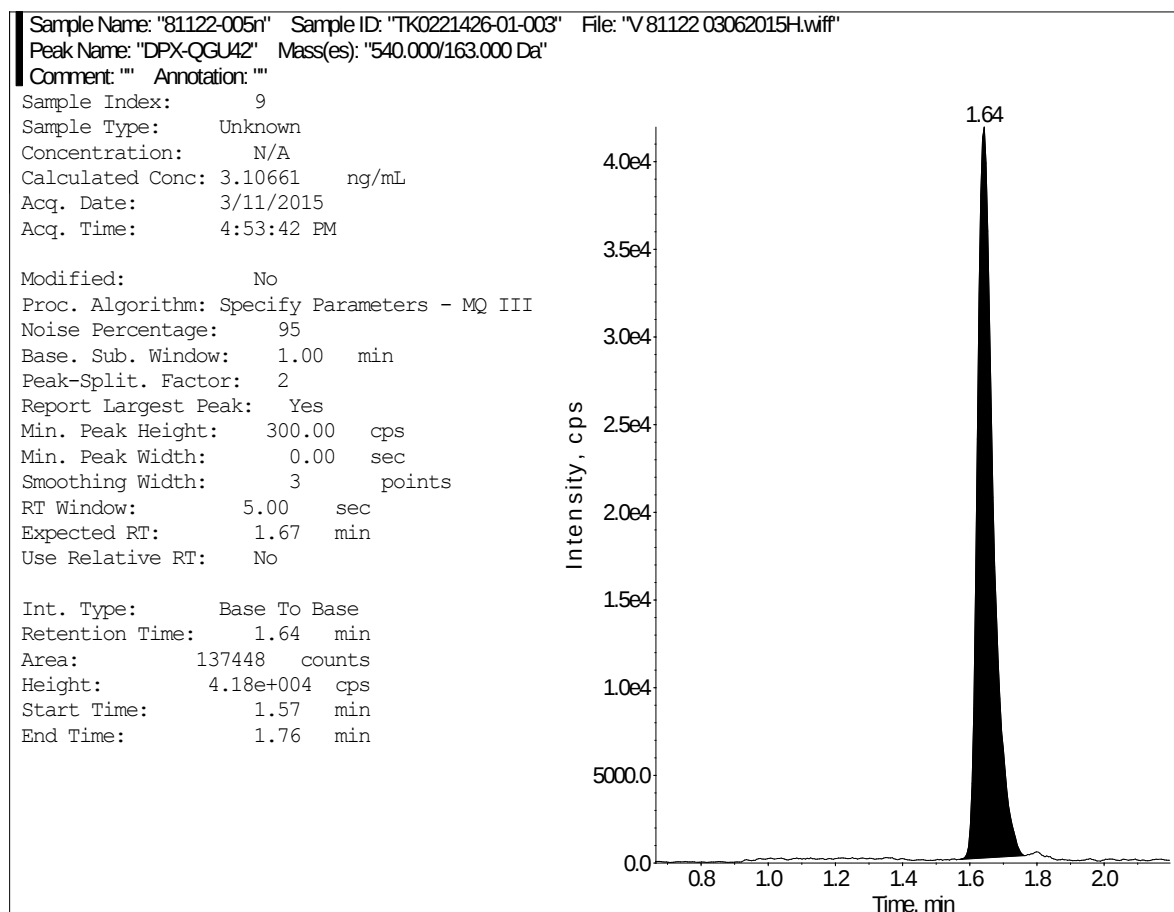


FIGURE 1 Representative Chromatograms – DPX-QGU42 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **DPX-QGU42**, Set #002
- Broccoli, Treated Sample 81122-028n, TK0221426-02-011, 0.01 g sample/mL
DPX-QGU42 Reported: <0.01 ppm

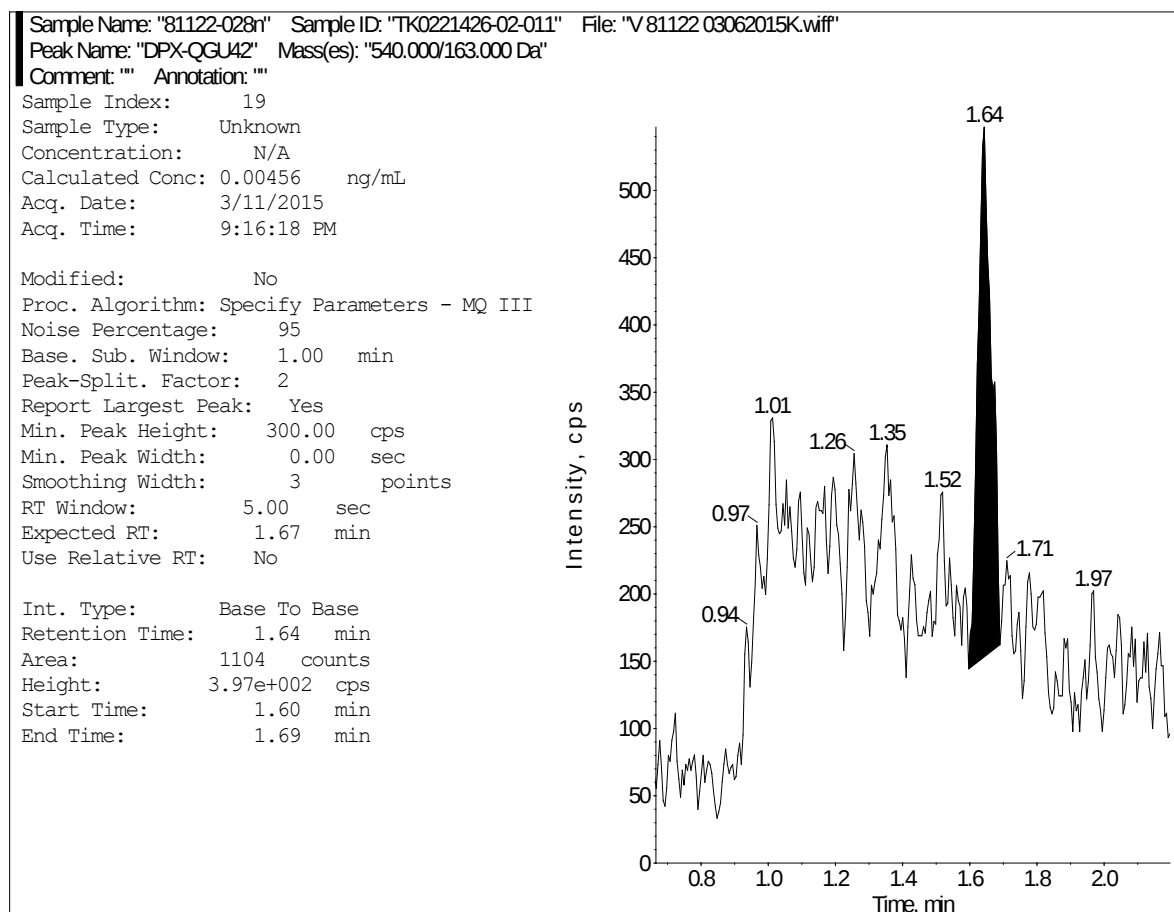


FIGURE 2 Representative Chromatograms – IN-SXS67 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-01, **IN-SXS67**, Set #001
- Broccoli, Control Sample 81122-001p, TK0221426-01-001, 0.01 g sample/mL
Expected Retention Time: 1.09 minutes
IN-SXS67 Reported: None Detected

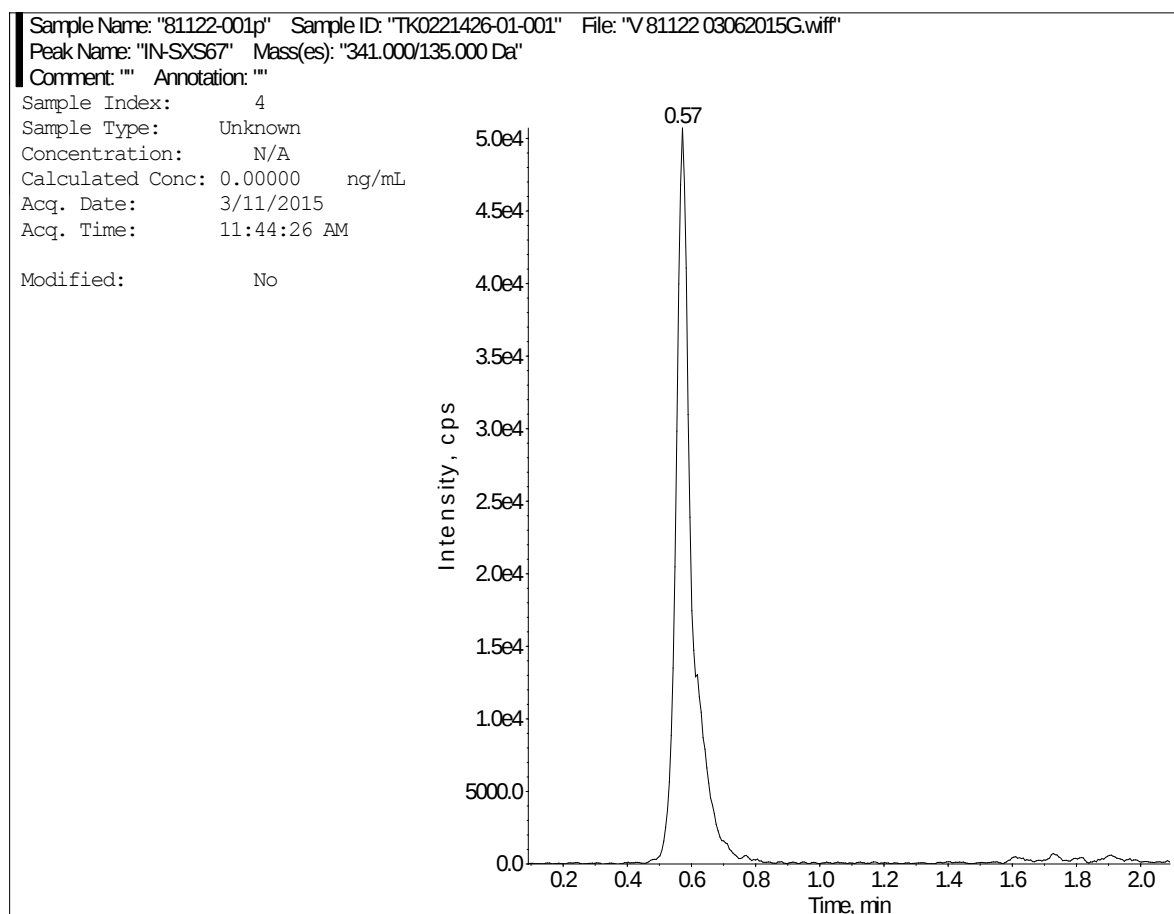


FIGURE 2 Representative Chromatograms – IN-SXS67 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-SXS67**, Set #001
- Broccoli, Control Sample 81122-002p, TK0221426-01-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 73%

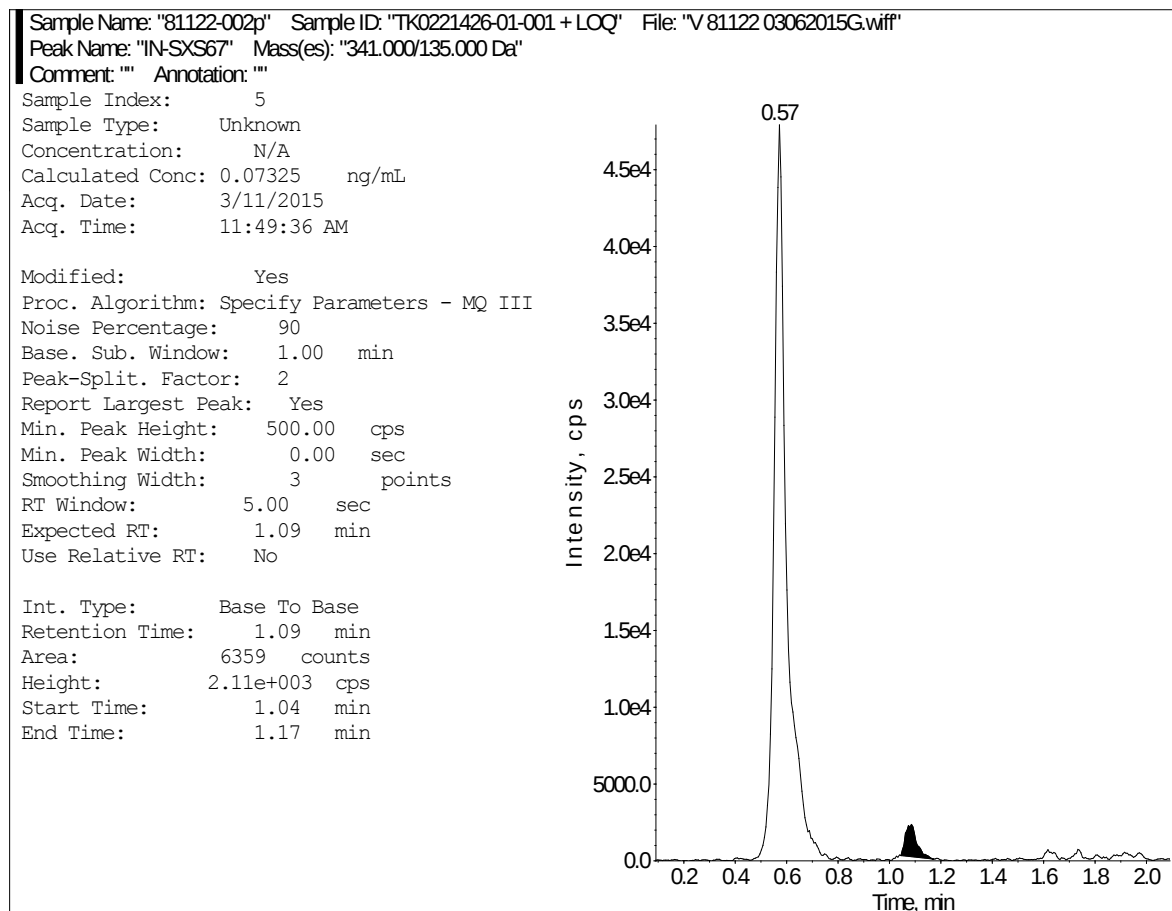
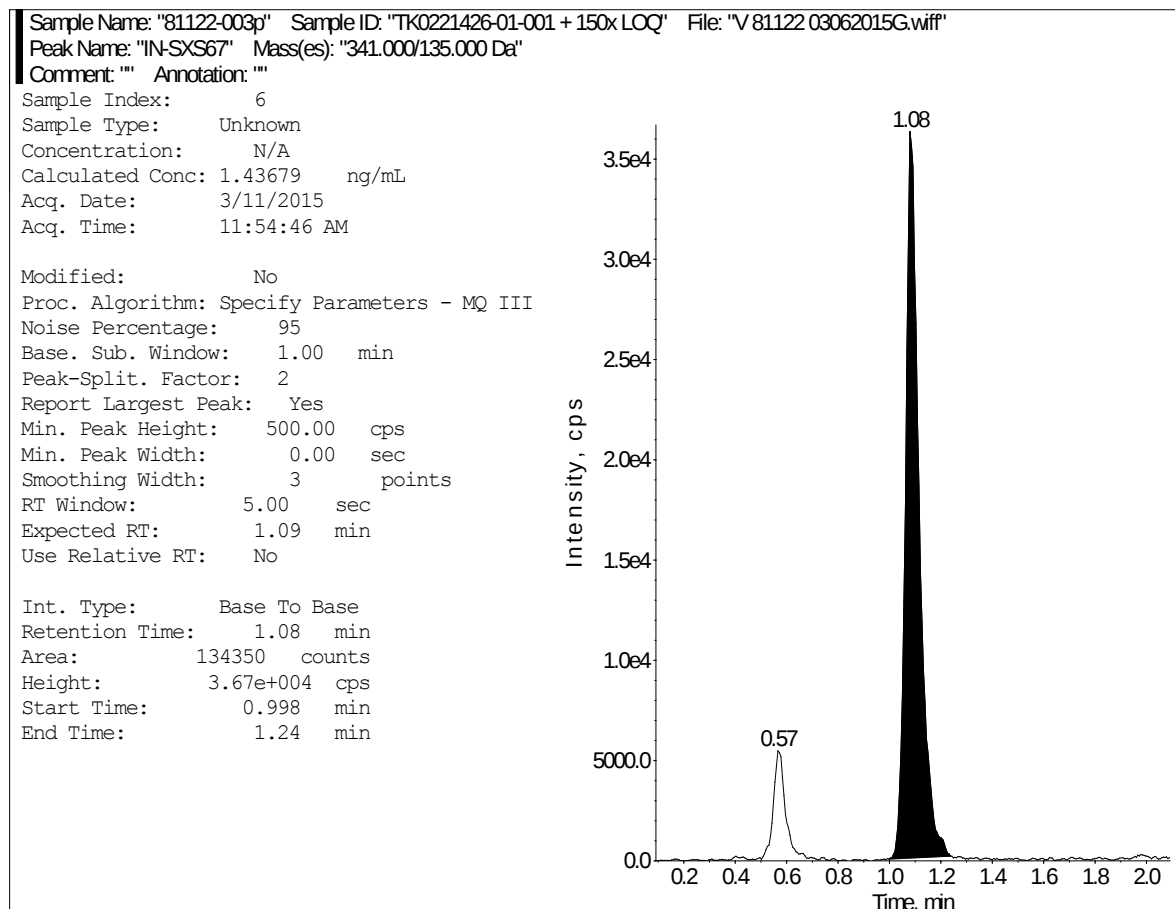


FIGURE 2 Representative Chromatograms – IN-SXS67 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-SXS67**, Set #001
- Broccoli, Control Sample 81122-003p, TK0221426-01-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 96%



**FIGURE 2 Representative Chromatograms – IN-SXS67 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-01, **IN-SXS67**, Set #001
- Broccoli, Treated Sample 81122-004p, TK0221426-01-002, 0.01 g sample/mL
Expected Retention Time: 1.09 minutes
IN-SXS67 Reported: None Detected

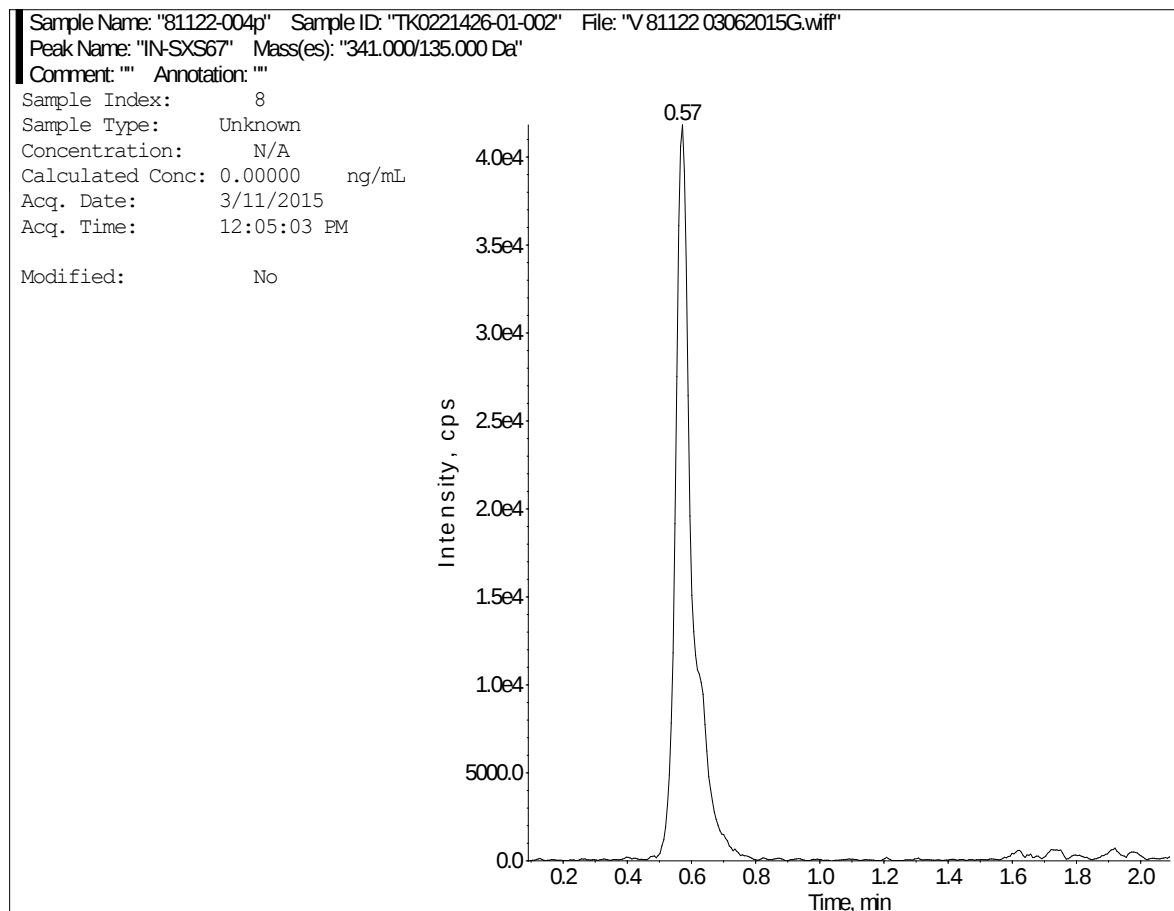
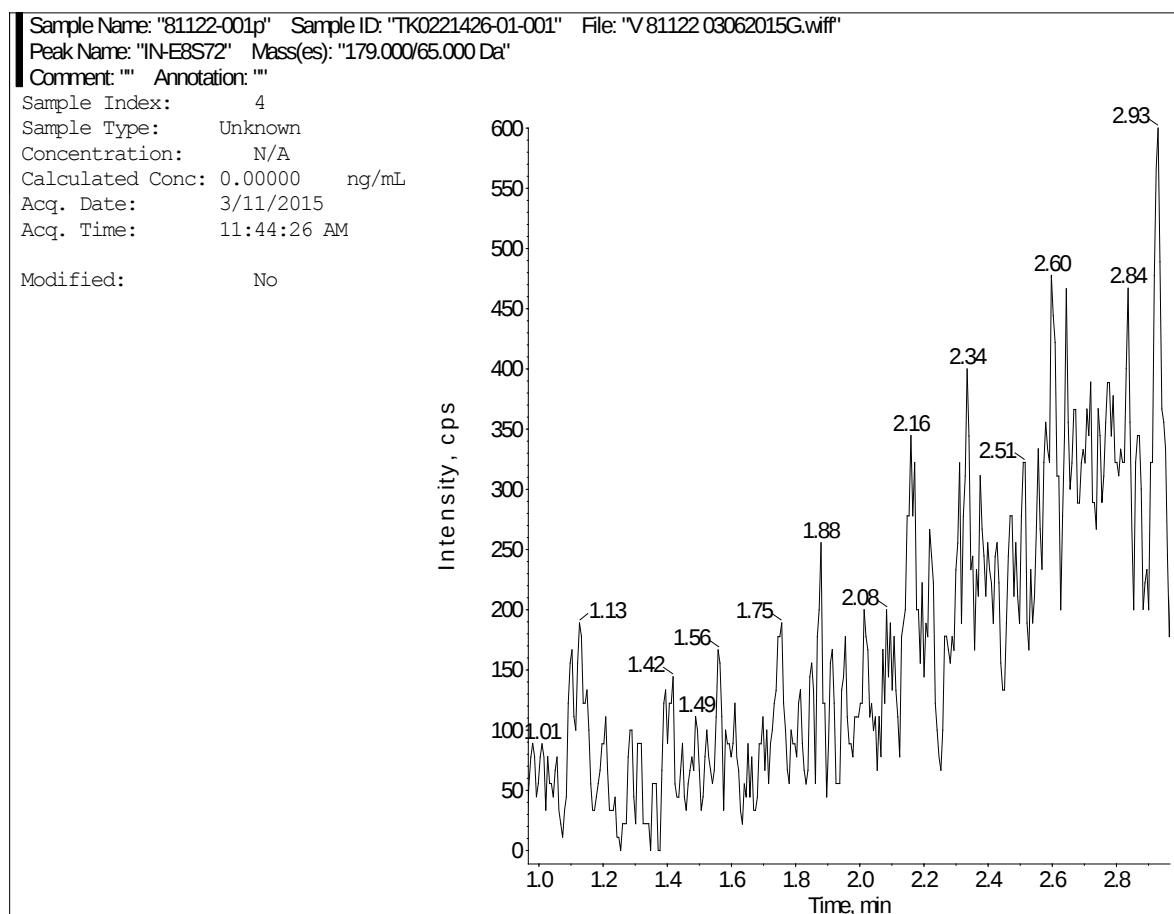


FIGURE 3 Representative Chromatograms – IN-E8S72 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-01, **IN-E8S72**, Set #001
- Broccoli, Control Sample 81122-001p, TK0221426-01-001, 0.01 g sample/mL
Expected Retention Time: 1.97 minutes
IN-E8S72 Reported: None Detected



**FIGURE 3 Representative Chromatograms – IN-E8S72 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-01, **IN-E8S72**, Set #001
- Broccoli, Control Sample 81122-002p, TK0221426-01-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 91%

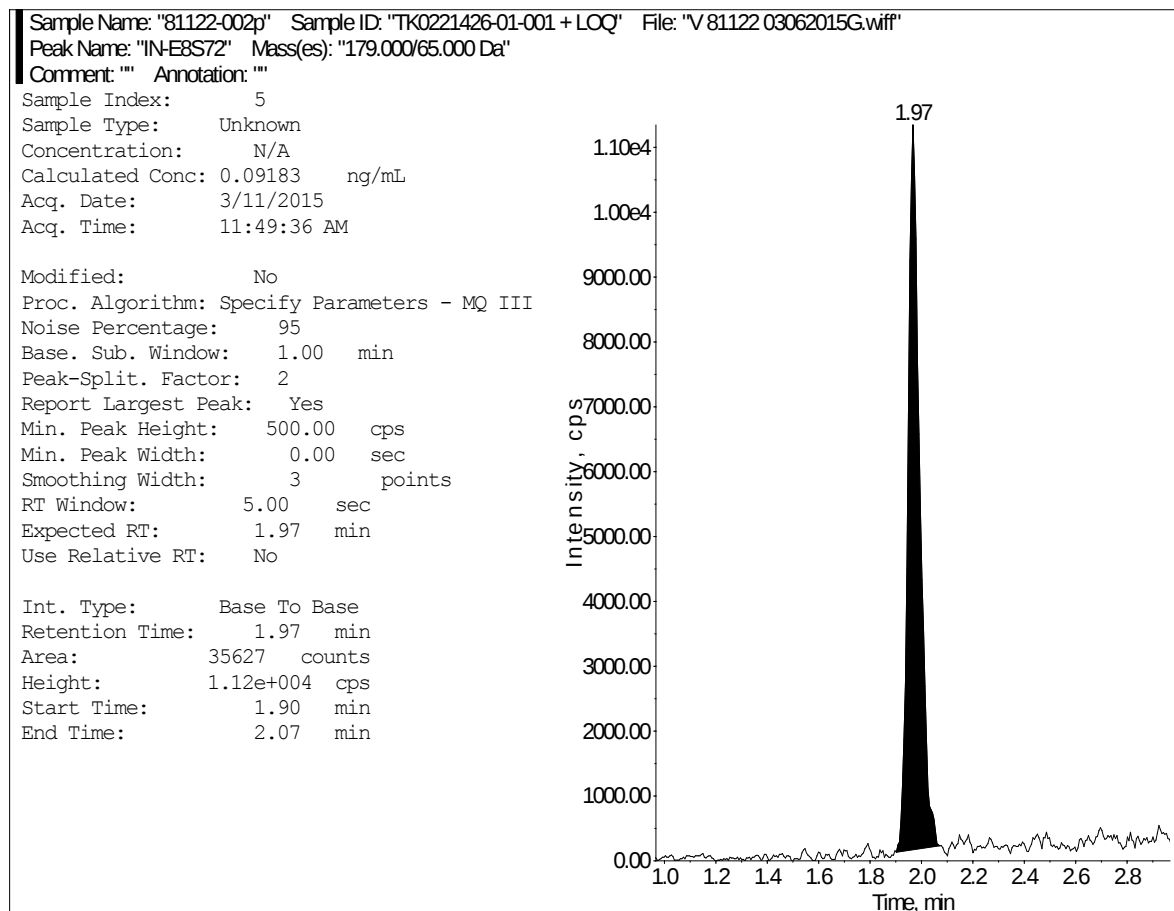


FIGURE 3 Representative Chromatograms – IN-E8S72 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-E8S72**, Set #001
- Broccoli, Control Sample 81122-003p, TK0221426-01-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 101%

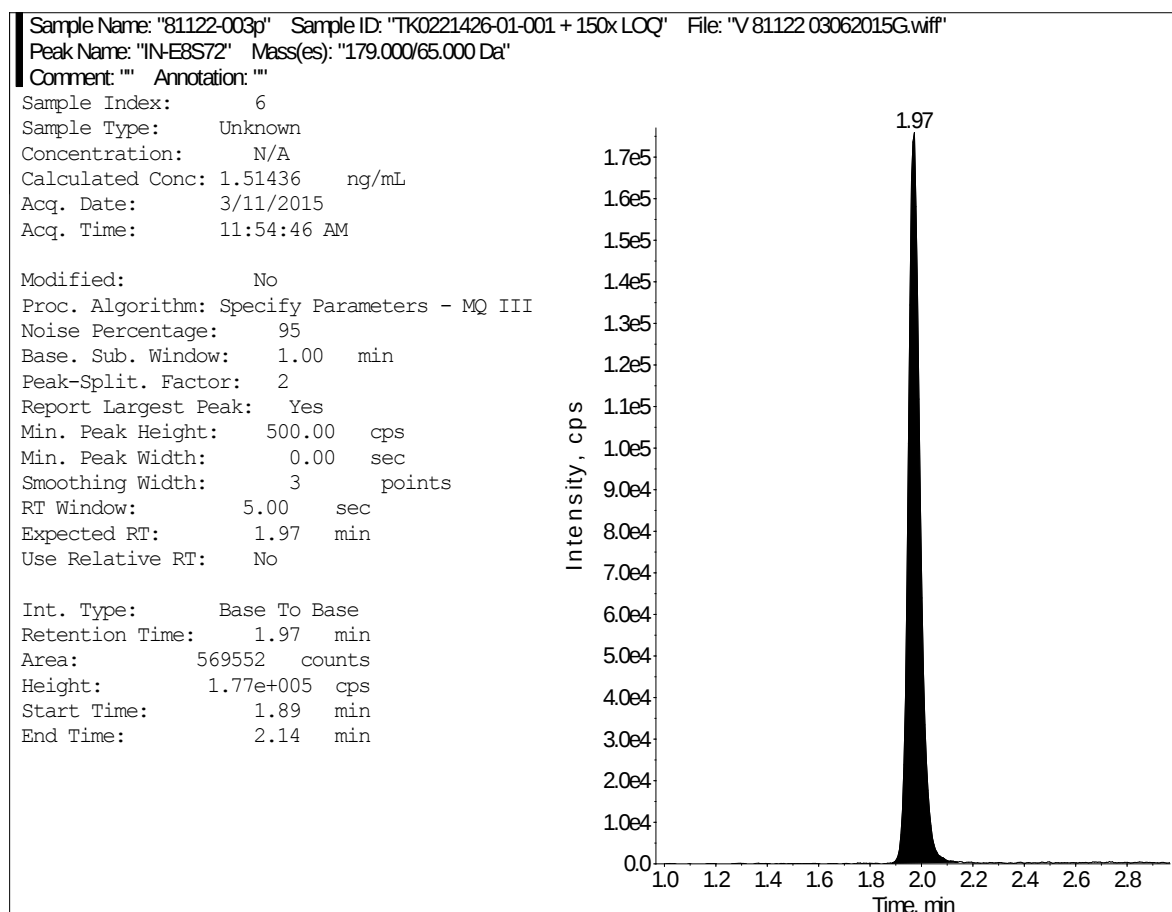


FIGURE 3 Representative Chromatograms – IN-E8S72 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-E8S72**, Set #001
- Broccoli, Treated Sample 81122-005p, TK0221426-01-003, 0.01 g sample/mL
Expected Retention Time: 1.97 minutes
IN-E8S72 Reported: None Detected

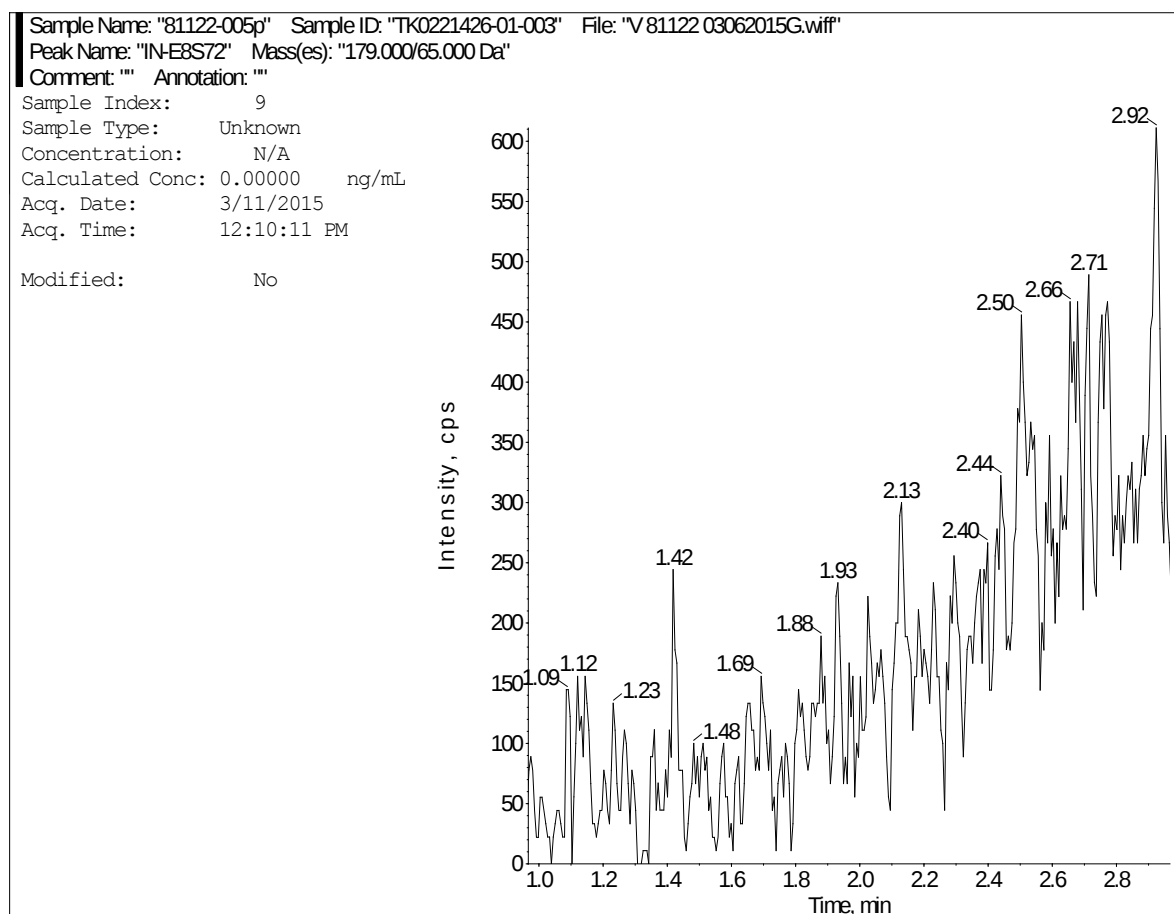
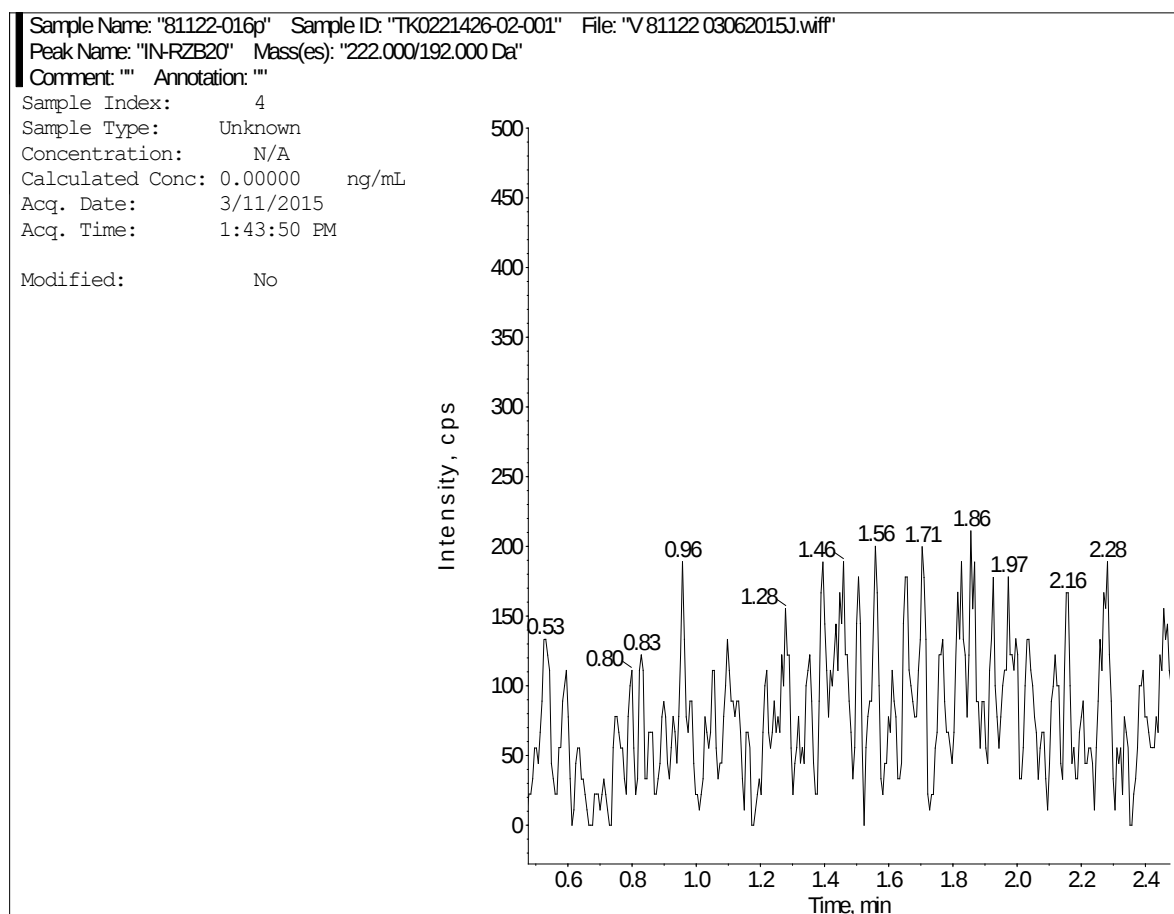


FIGURE 4 Representative Chromatograms – IN-RZB20 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-02, **IN-RZB20**, Set #002
- Broccoli, Control Sample 81122-016p, TK0221426-02-001, 0.01 g sample/mL
Expected Retention Time: 1.48 minutes
IN-RZB20 Reported: None Detected



**FIGURE 4 Representative Chromatograms – IN-RZB20 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-02, **IN-RZB20**, Set #002
- Broccoli, Control Sample 81122-017p, TK0221426-02-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 85%

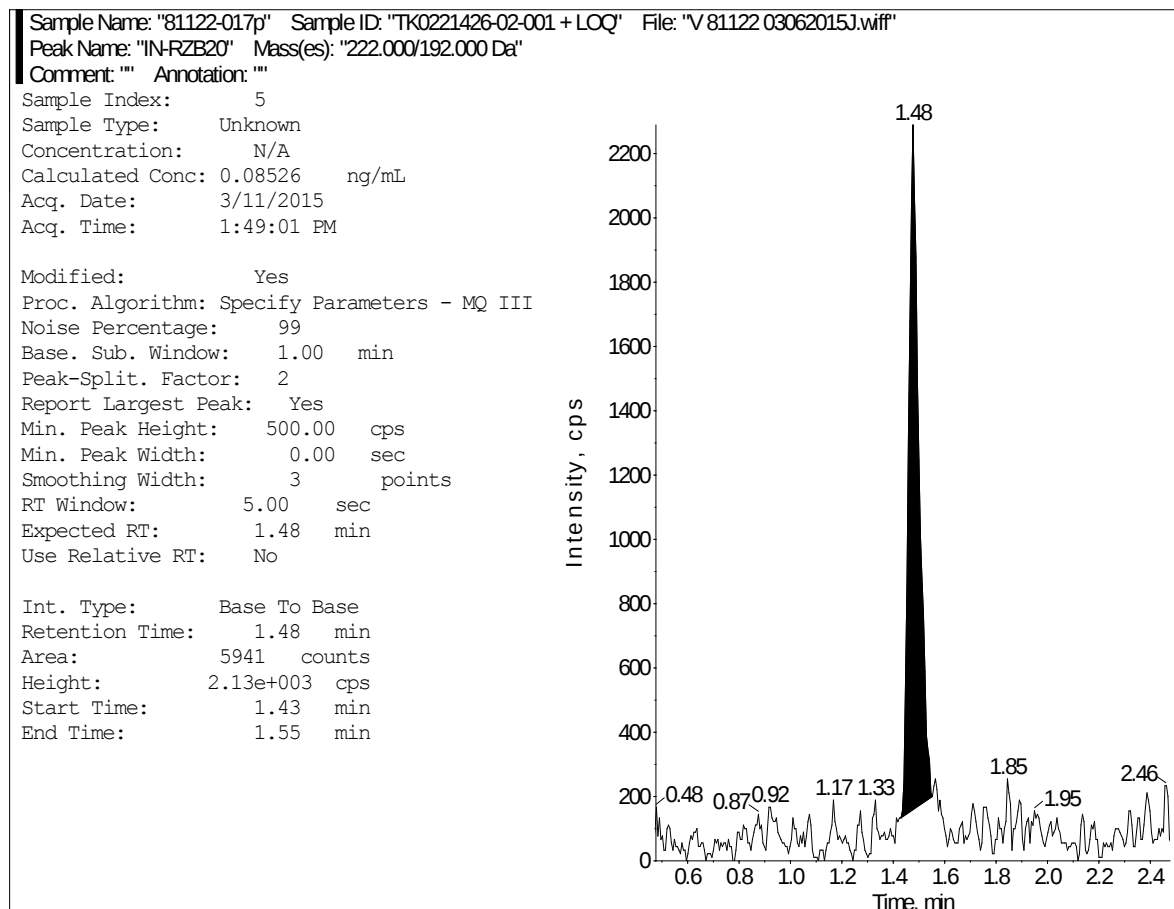
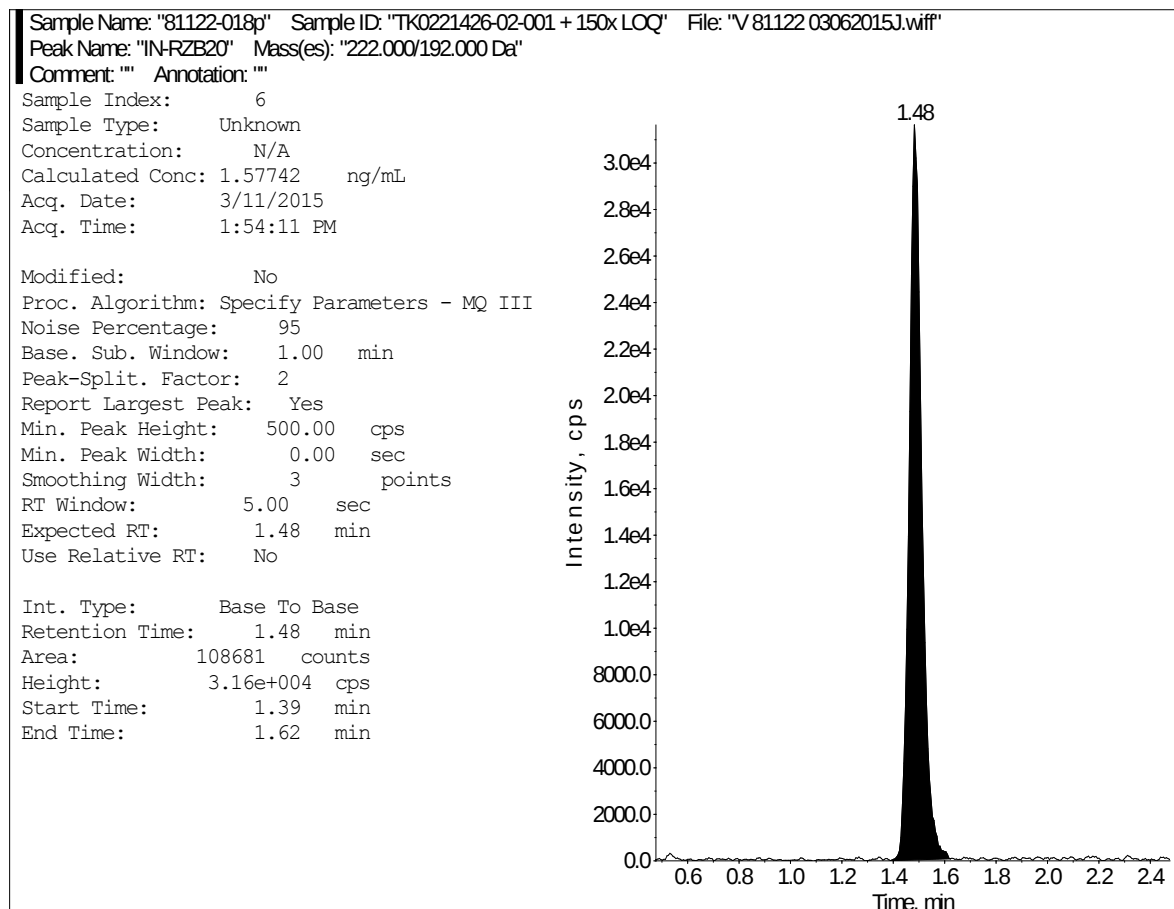


FIGURE 4 Representative Chromatograms – IN-RZB20 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **IN-RZB20**, Set #002
- Broccoli, Control Sample 81122-018p, TK0221426-02-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 105%



**FIGURE 4 Representative Chromatograms – IN-RZB20 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-02, **IN-RZB20**, Set #002
- Broccoli, Treated Sample 81122-020p, TK0221426-02-003, 0.01 g sample/mL
Expected Retention Time: 1.48 minutes
IN-RZB20 Reported: None Detected

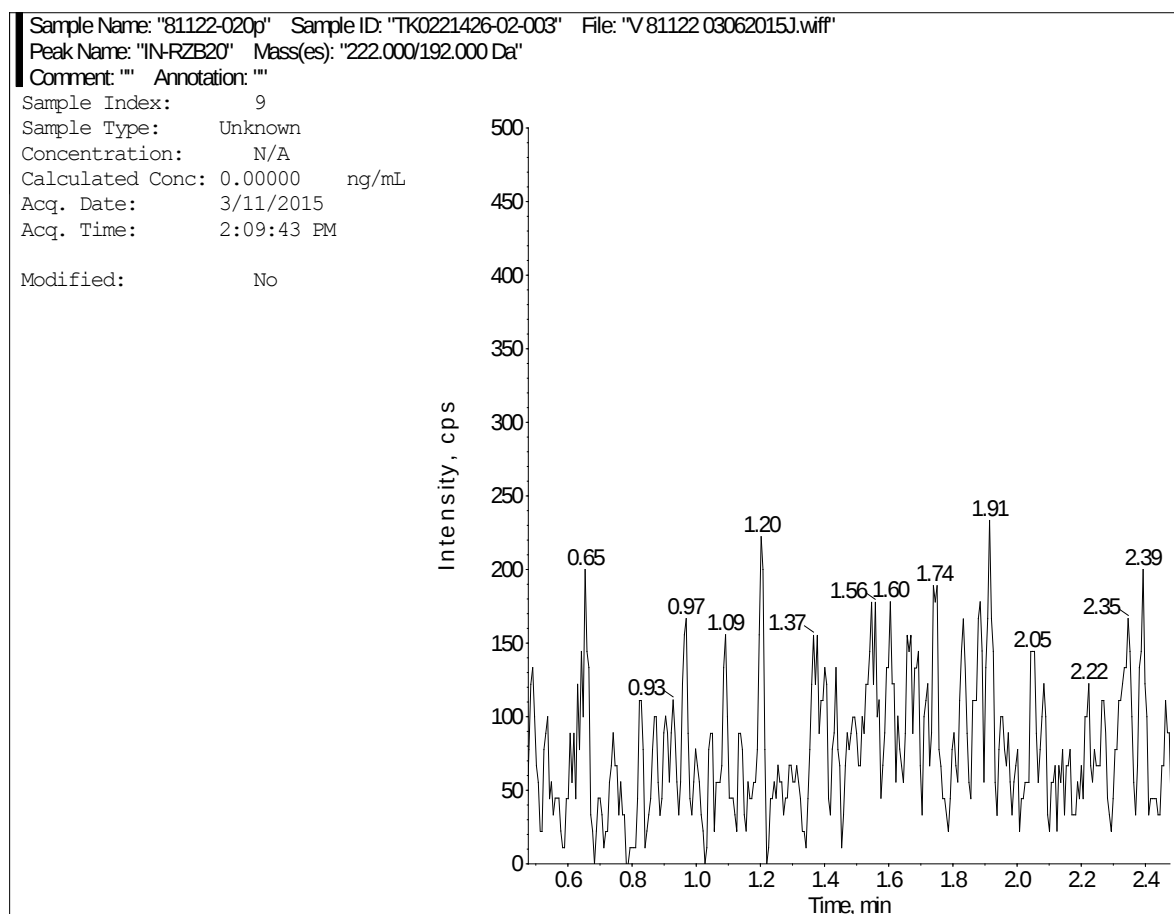


FIGURE 5 Representative Chromatograms – IN-RZD74 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-01, **IN-RZD74**, Set #001
- Broccoli, Control Sample 81122-001p, TK0221426-01-001, 0.01 g sample/mL
Expected Retention Time: 1.75 minutes
IN-RZD74 Reported: None Detected

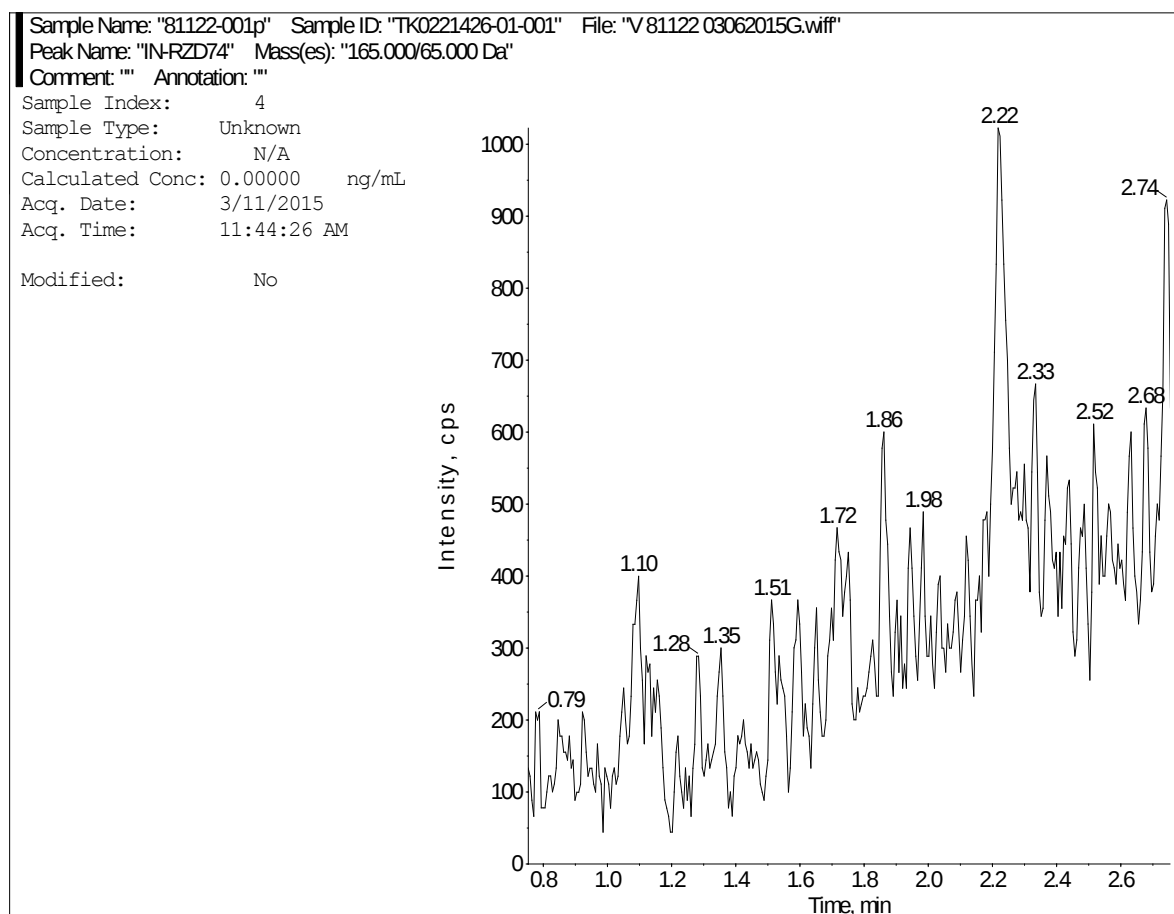


FIGURE 5 Representative Chromatograms – IN-RZD74 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-RZD74**, Set #001
- Broccoli, Control Sample 81122-002p, TK0221426-01-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 87%

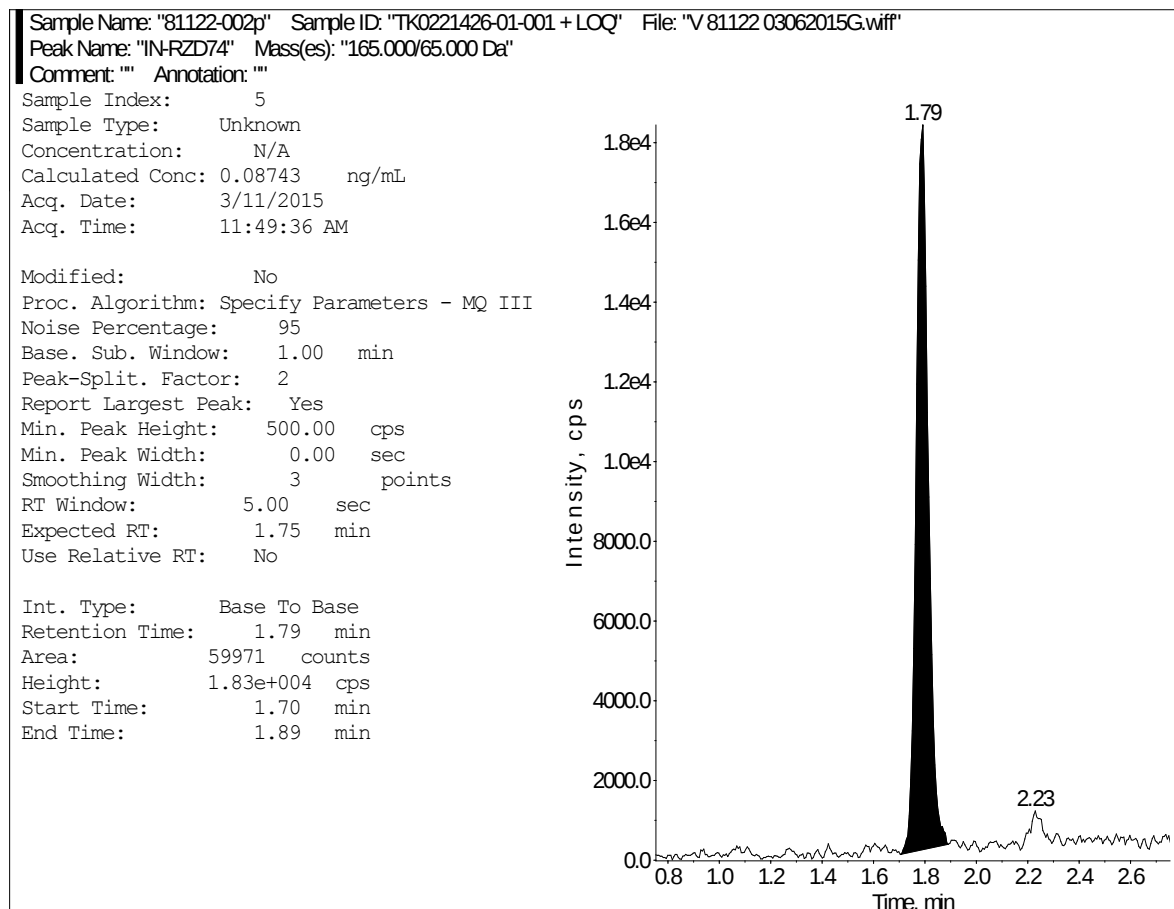
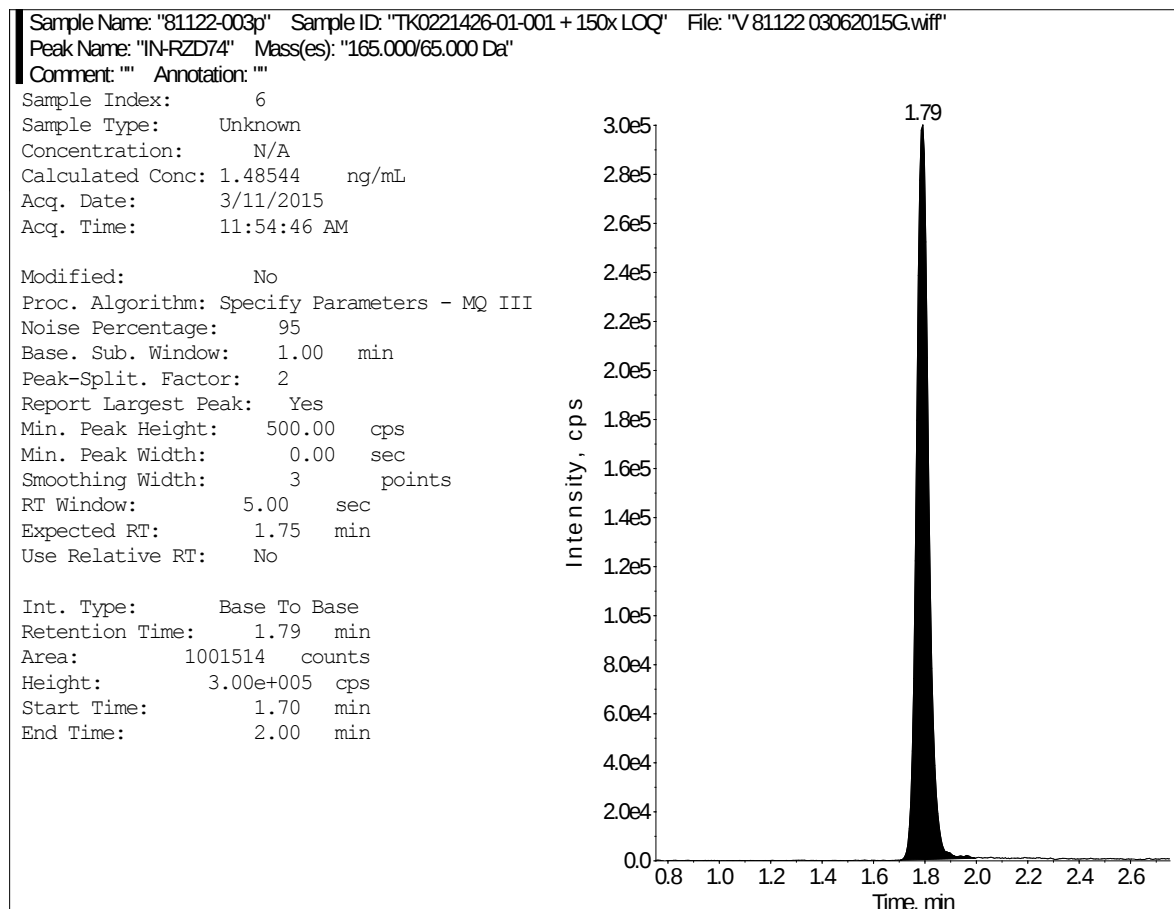


FIGURE 5 Representative Chromatograms – IN-RZD74 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-RZD74**, Set #001
- Broccoli, Control Sample 81122-003p, TK0221426-01-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 99%



**FIGURE 5 Representative Chromatograms – IN-RZD74 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-01, **IN-RZD74**, Set #001
- Broccoli, Treated Sample 81122-004p, TK0221426-01-002, 0.01 g sample/mL
Expected Retention Time: 1.75 minutes
IN-RZD74 Reported: None Detected

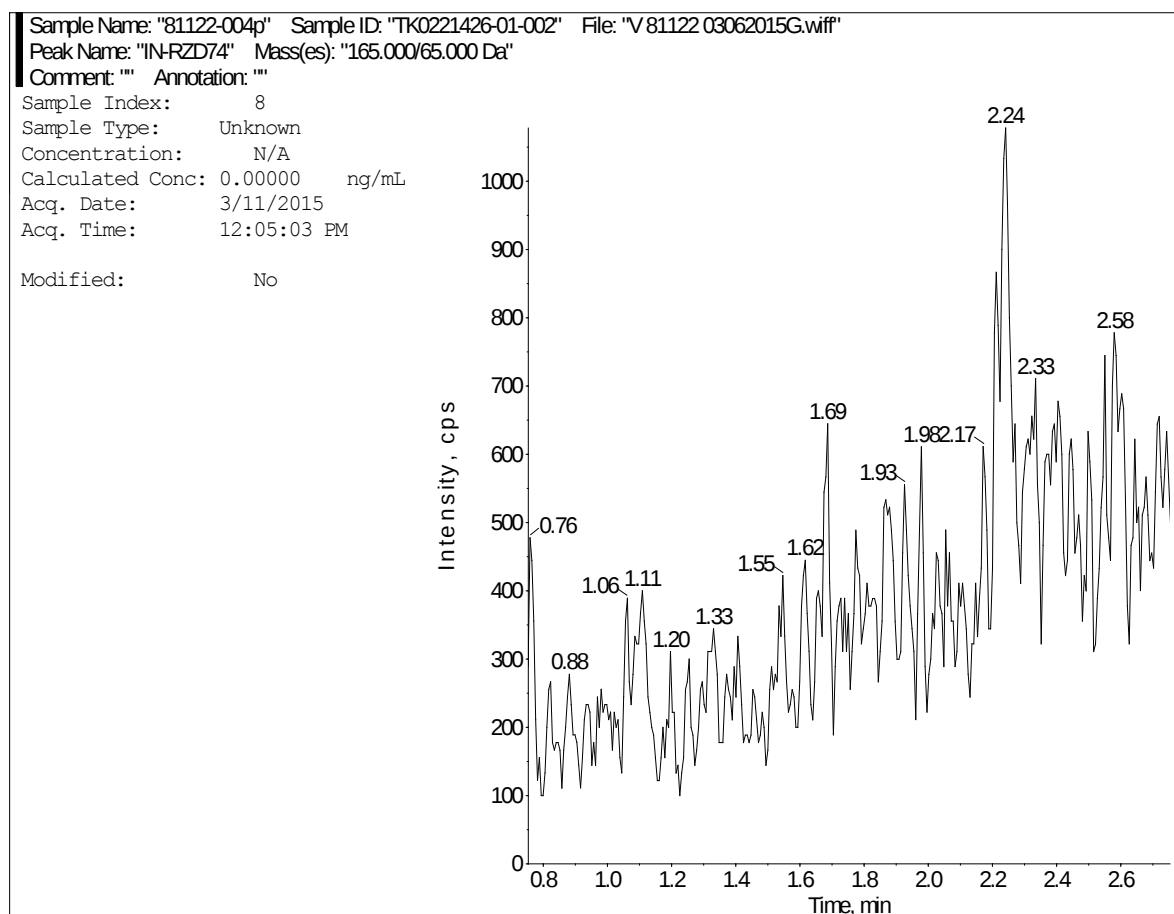


FIGURE 6 Representative Chromatograms – IN-WR791 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-02, **IN-WR791**, Set #002
- Broccoli, Control Sample 81122-016p, TK0221426-02-001, 0.01 g sample/mL
Expected Retention Time: 2.43 minutes
IN-WR791 Reported: None Detected

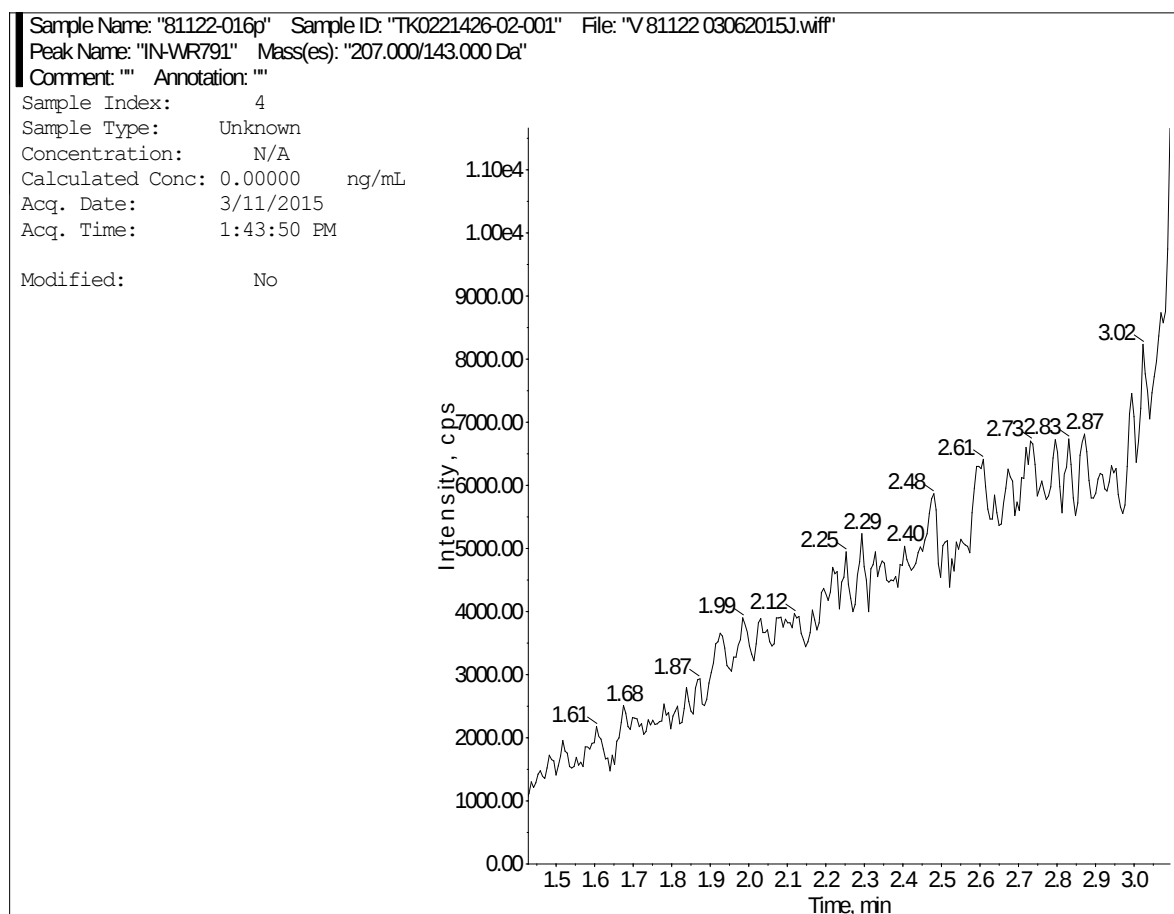


FIGURE 6 Representative Chromatograms – IN-WR791 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **IN-WR791**, Set #002
- Broccoli, Control Sample 81122-017p, TK0221426-02-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 92%

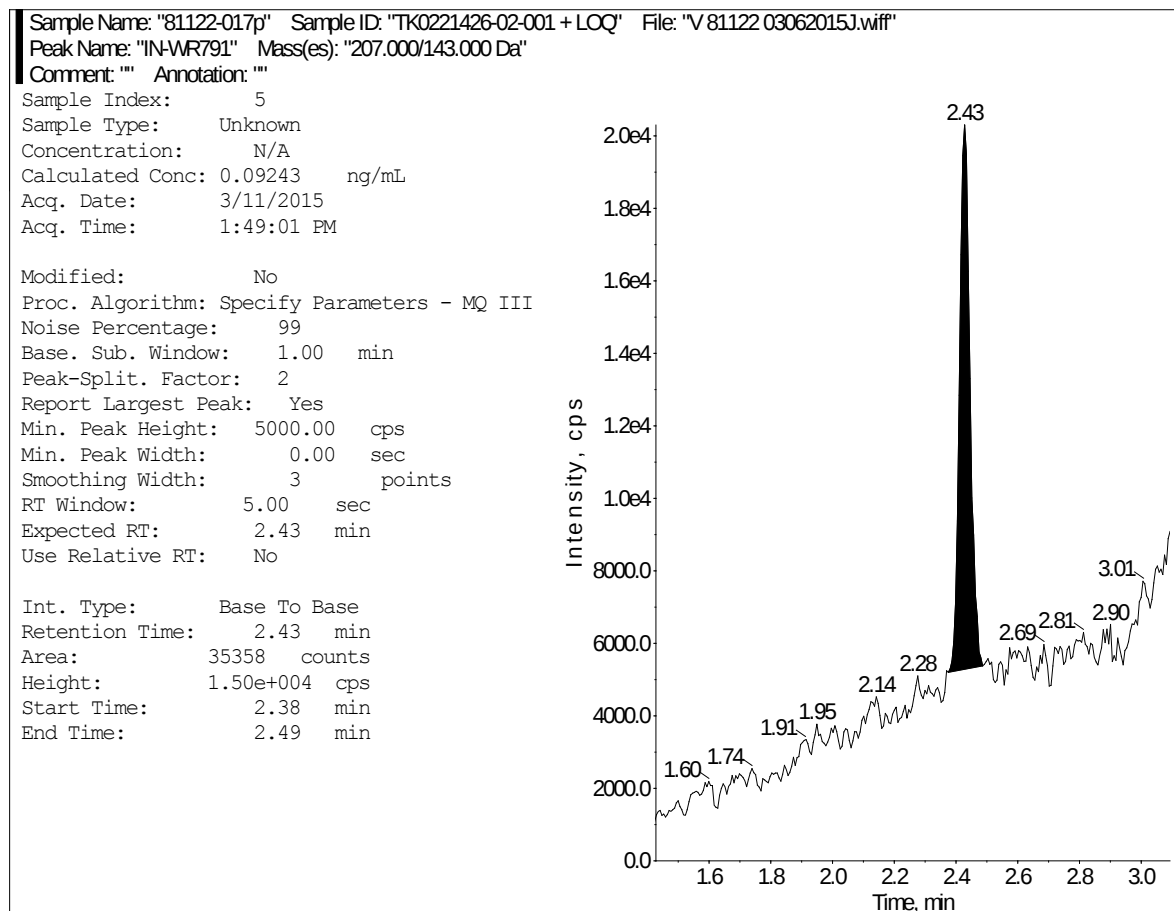
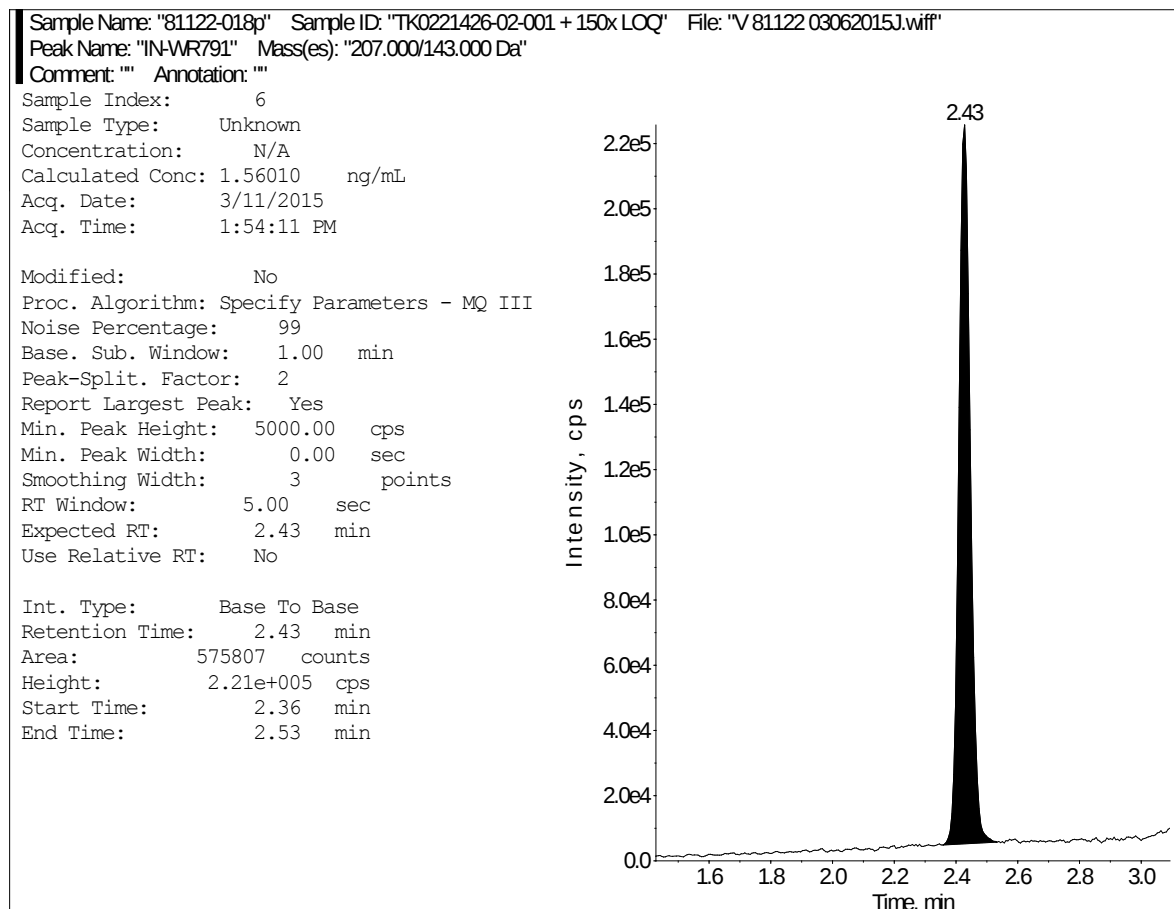


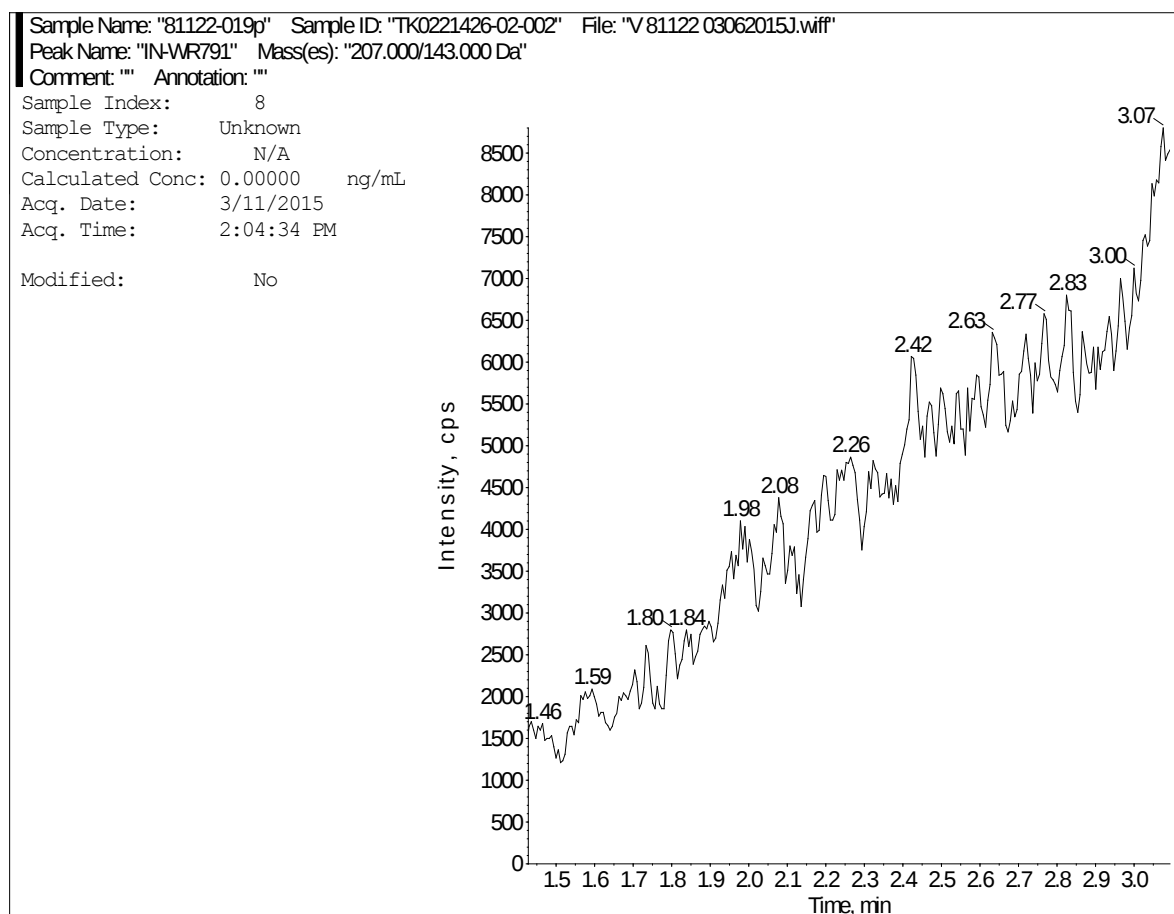
FIGURE 6 Representative Chromatograms – IN-WR791 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **IN-WR791**, Set #002
- Broccoli, Control Sample 81122-018p, TK0221426-02-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 104%



**FIGURE 6 Representative Chromatograms – IN-WR791 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-02, **IN-WR791**, Set #002
- Broccoli, Treated Sample 81122-019p, TK0221426-02-002, 0.01 g sample/mL
Expected Retention Time: 2.43 minutes
IN-WR791 Reported: None Detected



**FIGURE 6 Representative Chromatograms – IN-WR791 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-02, **IN-WR791**, Set #002
- Broccoli, Treated Sample 81122-024p, TK0221426-02-007, 0.01 g sample/mL
IN-WR791 Reported: <0.01 ppm

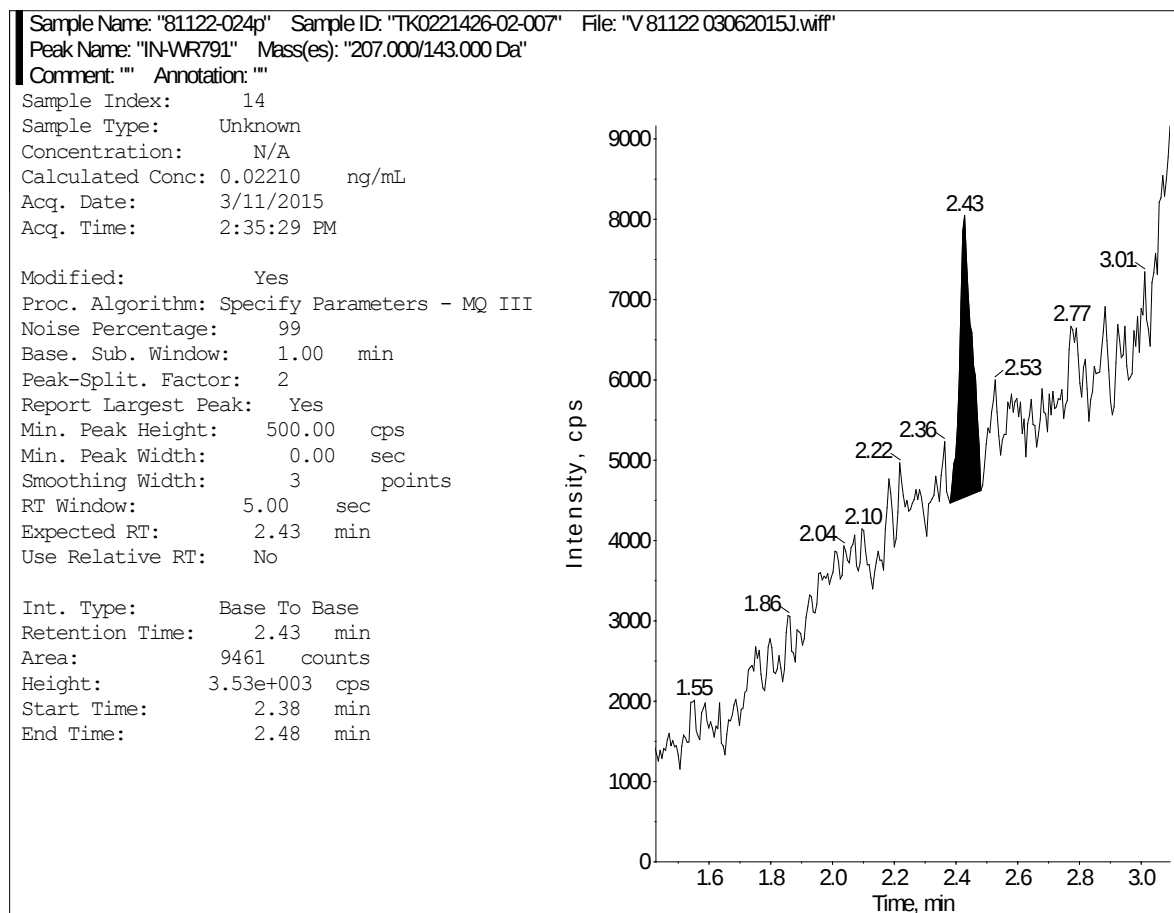
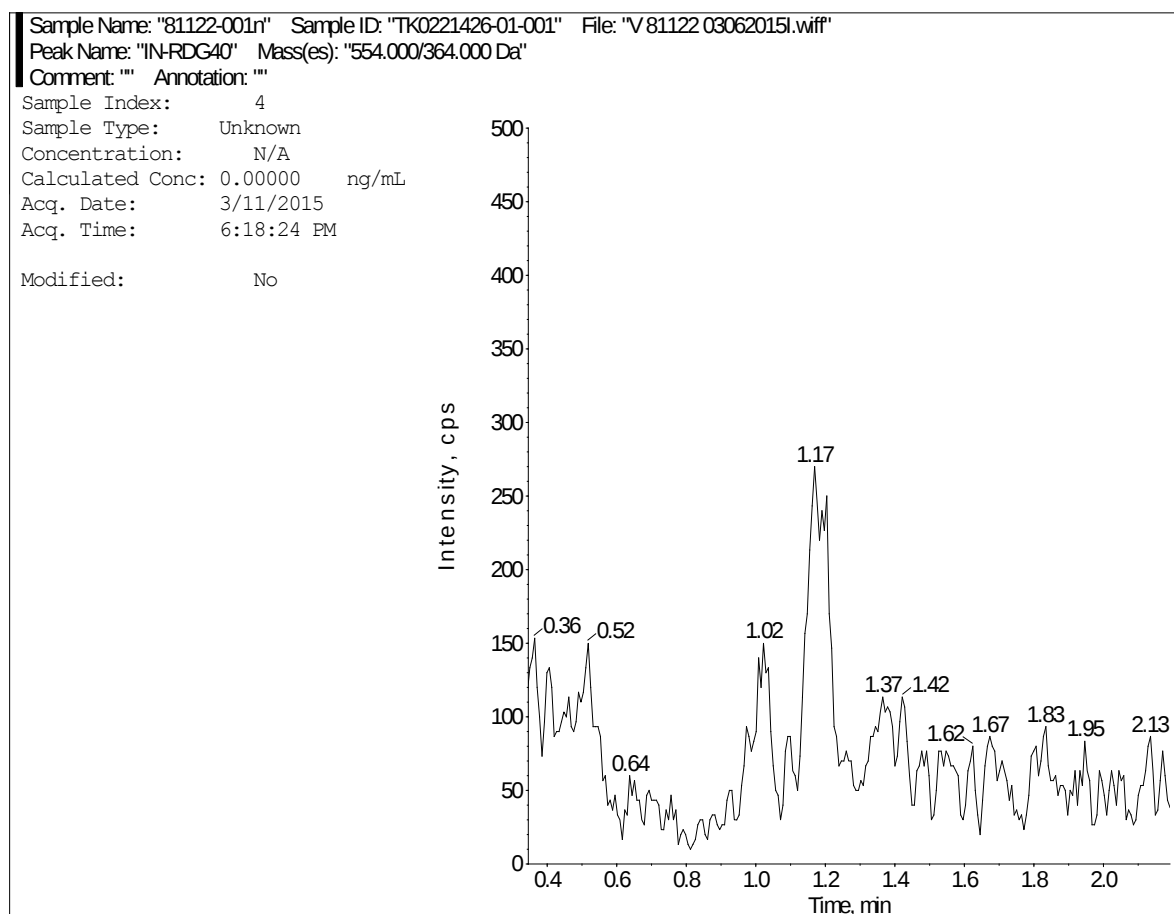


FIGURE 7 Representative Chromatograms – IN-RDG40 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-01, **IN-RDG40**, Set #001
- Broccoli, Control Sample 81122-001n, TK0221426-01-001, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected



**FIGURE 7 Representative Chromatograms – IN-RDG40 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-01, **IN-RDG40**, Set #001
- Broccoli, Control Sample 81122-002n, TK0221426-01-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 82%

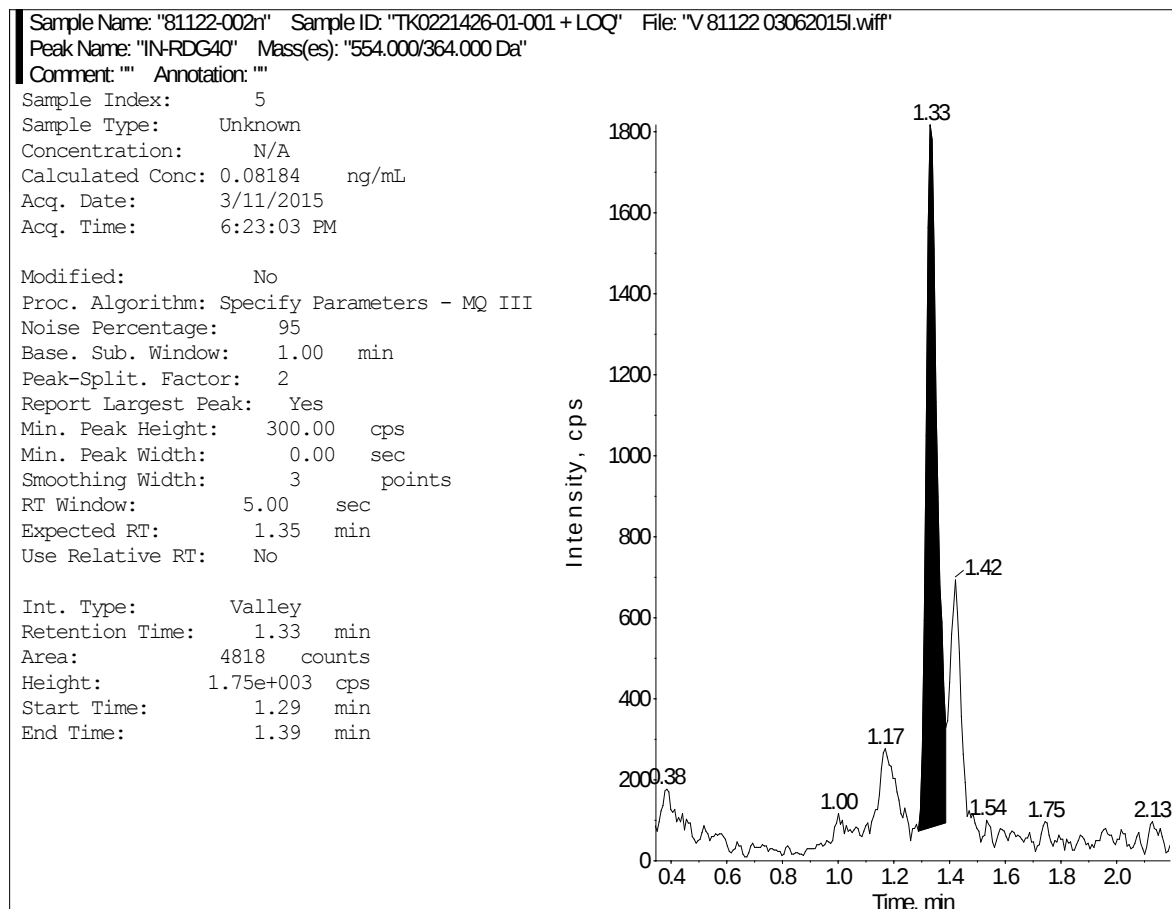
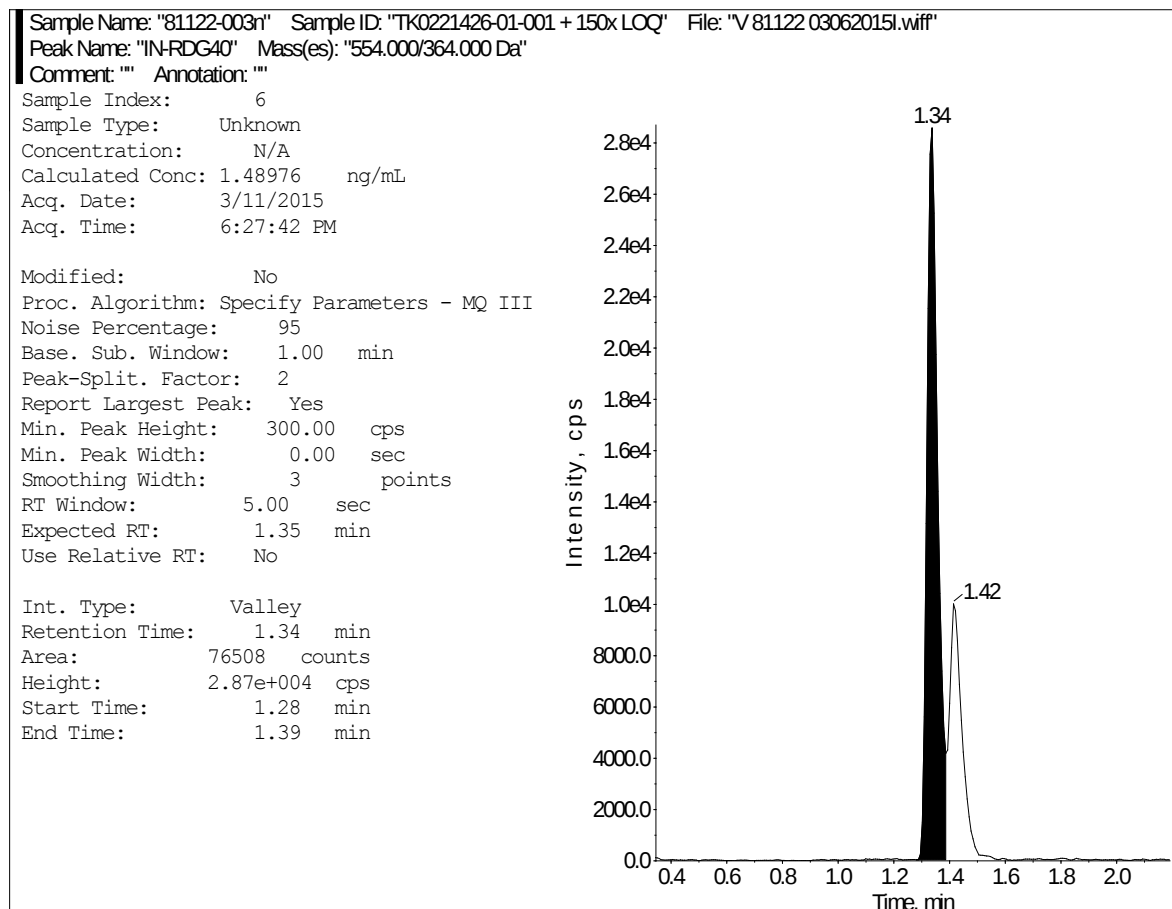


FIGURE 7 Representative Chromatograms – IN-RDG40 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-01, **IN-RDG40**, Set #001
- Broccoli, Control Sample 81122-003n, TK0221426-01-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 99%



**FIGURE 7 Representative Chromatograms – IN-RDG40 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-01, **IN-RDG40**, Set #001
- Broccoli, Treated Sample 81122-004n, TK0221426-01-002, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected

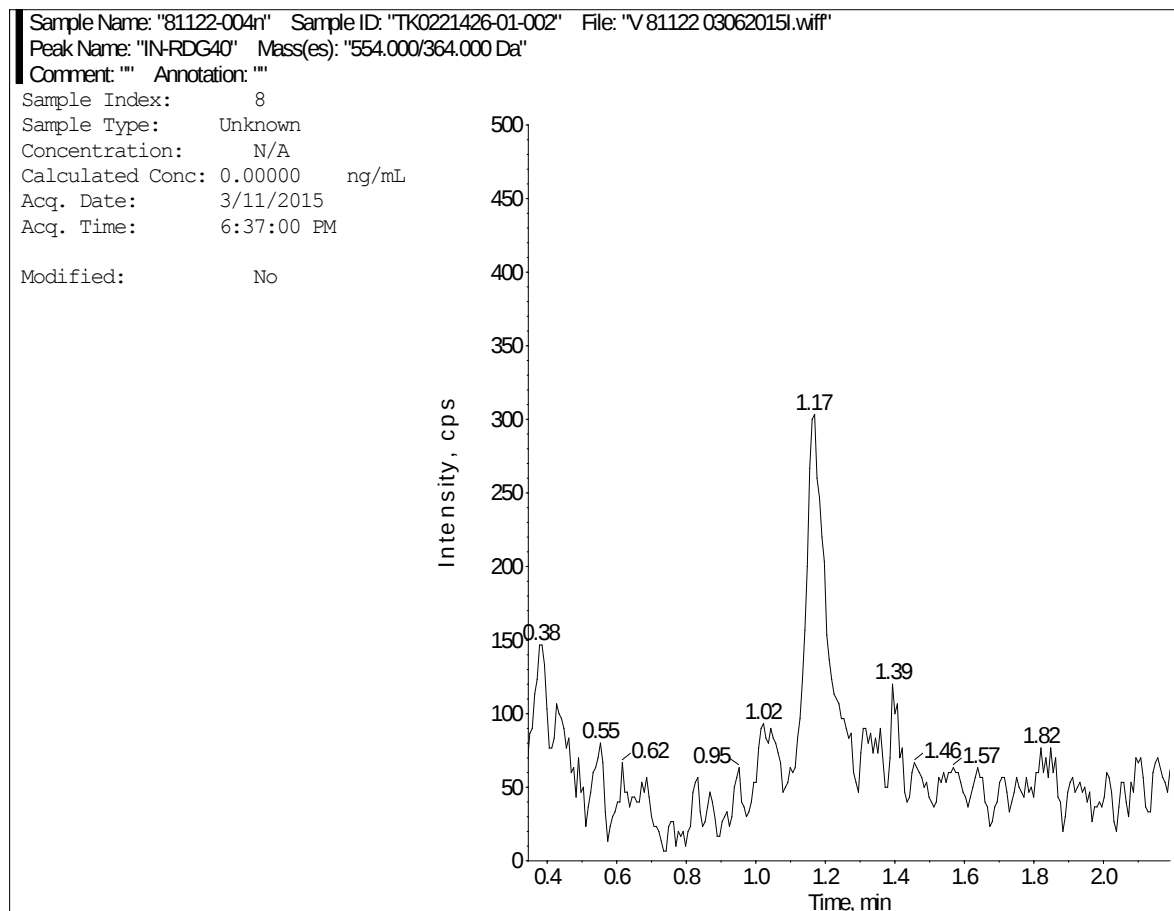


FIGURE 8 Representative Chromatograms – IN-Q7H09 in or on Broccoli

- Broccoli from Field Trial Number TK0221426-02, **IN-Q7H09**, Set #002
- Broccoli, Control Sample 81122-016n, TK0221426-02-001, 0.01 g sample/mL
Expected Retention Time: 1.43 minutes
IN-Q7H09 Reported: None Detected

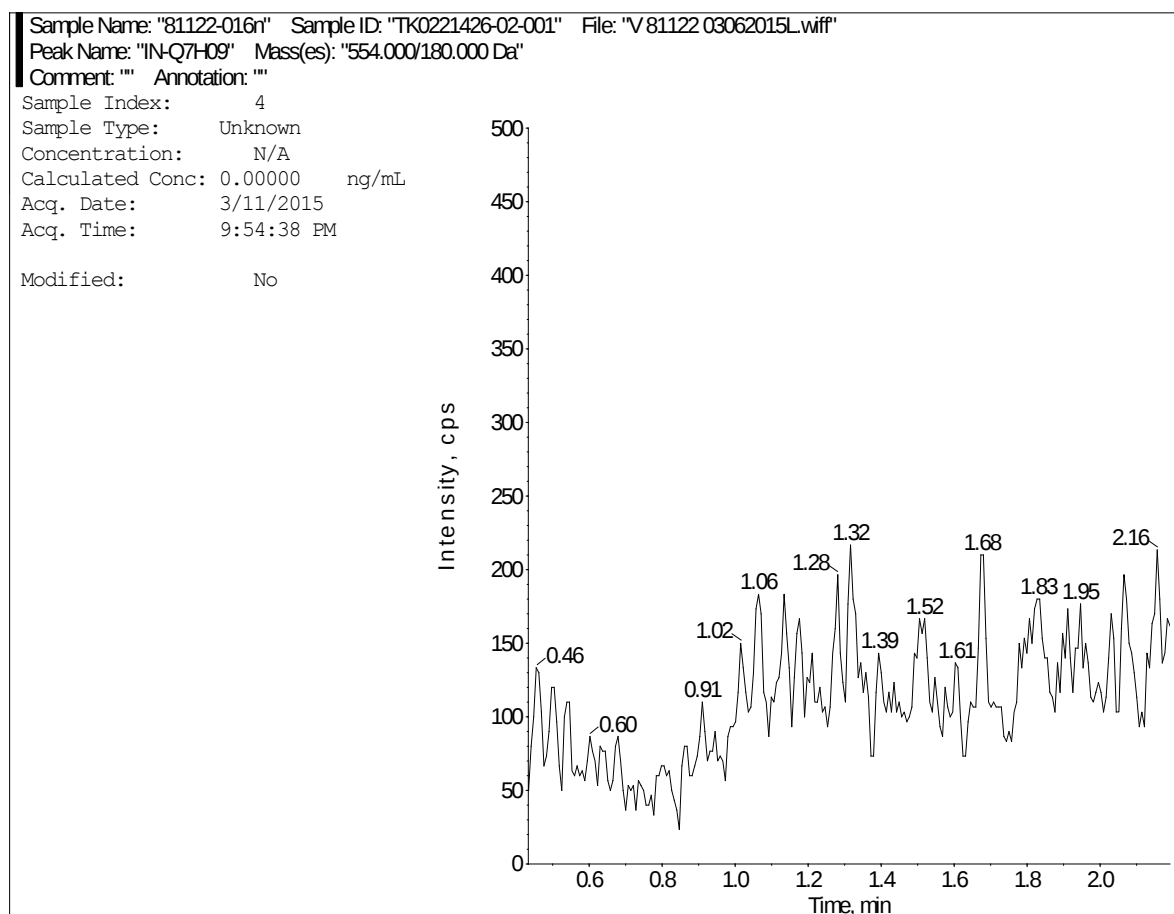


FIGURE 8 Representative Chromatograms – IN-Q7H09 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **IN-Q7H09**, Set #002
- Broccoli, Control Sample 81122-017n, TK0221426-02-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 89%

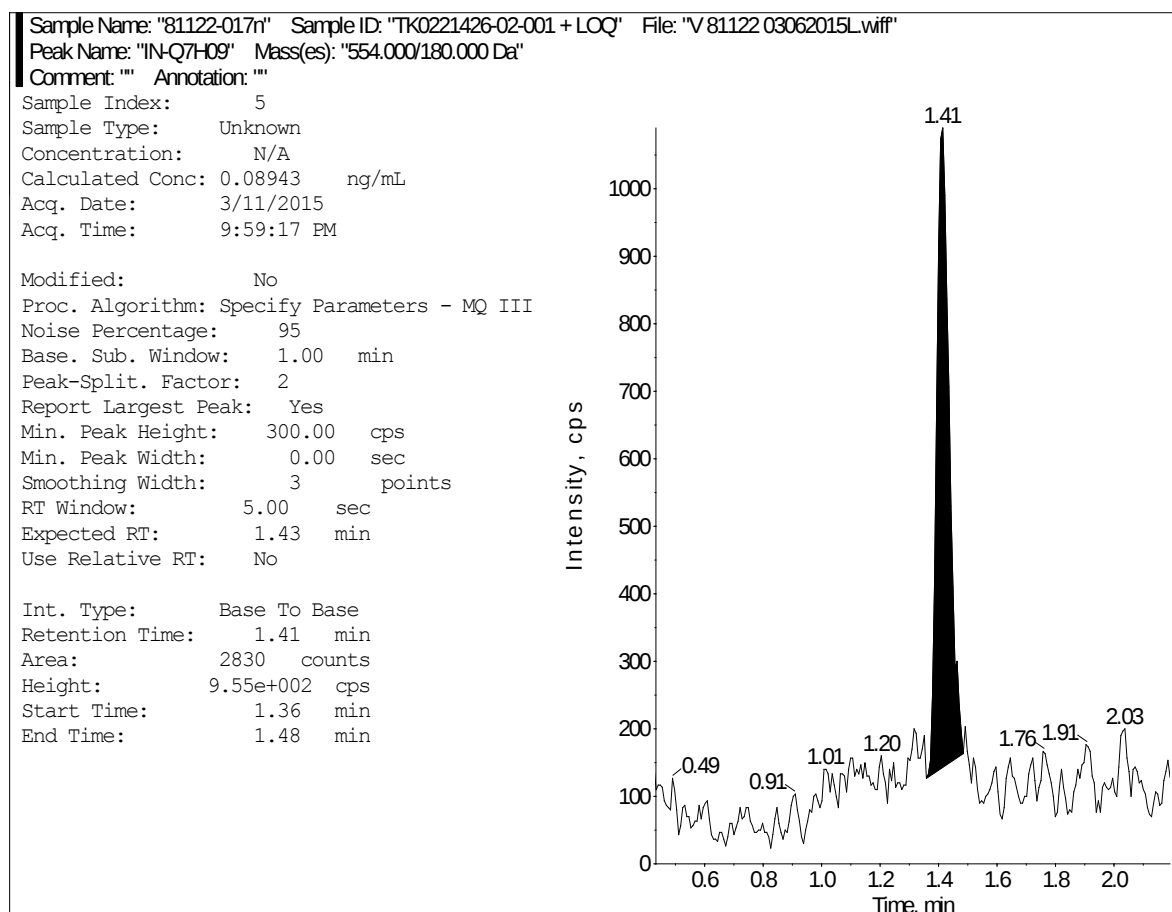
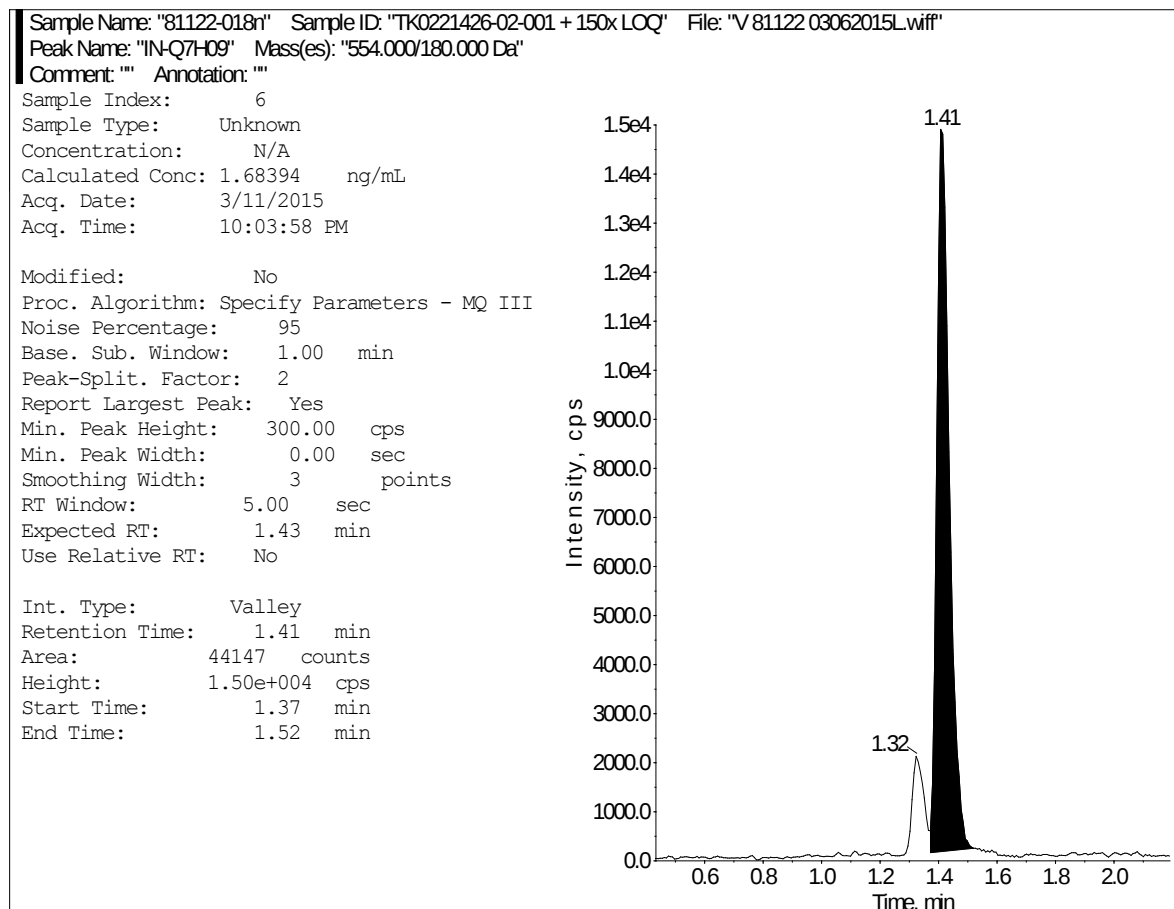


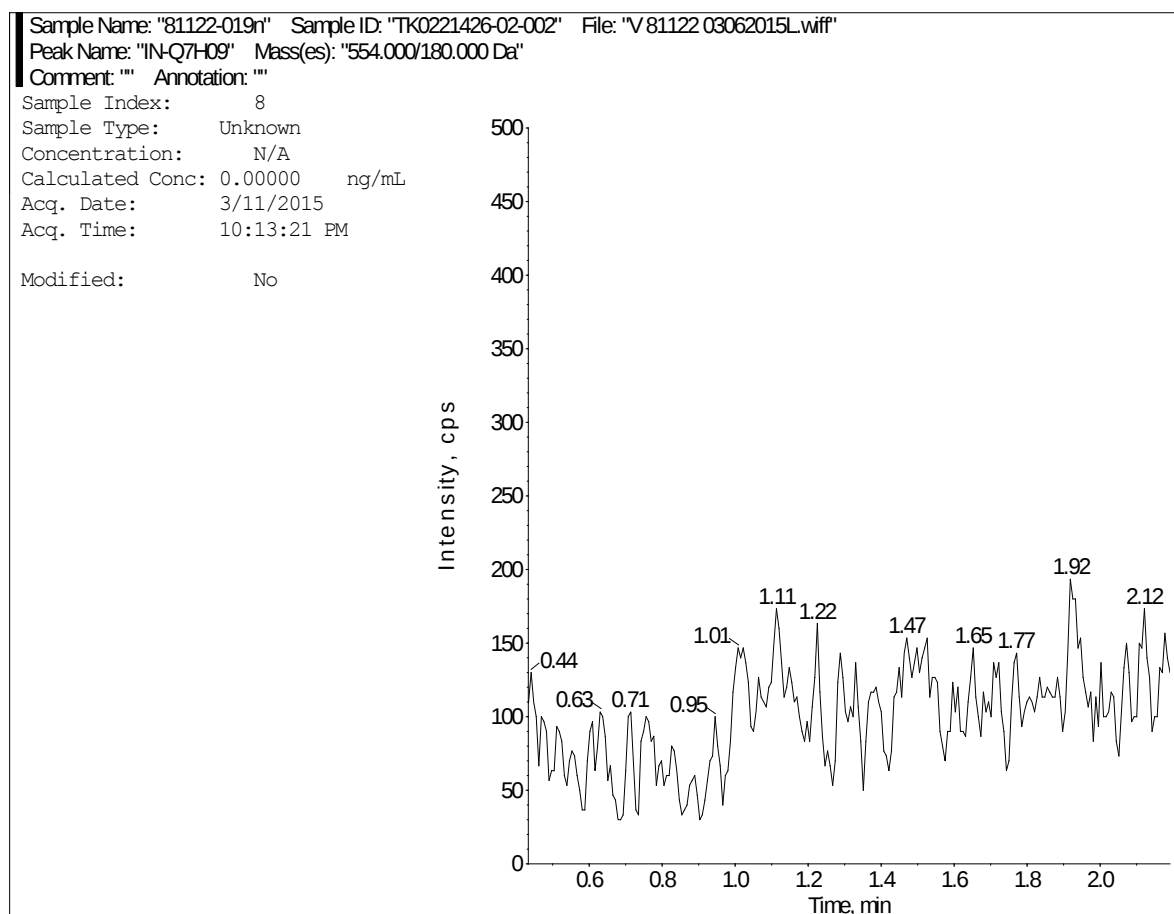
FIGURE 8 Representative Chromatograms – IN-Q7H09 in or on Broccoli (continued)

- Broccoli from Field Trial Number TK0221426-02, **IN-Q7H09**, Set #002
- Broccoli, Control Sample 81122-018n, TK0221426-02-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 112%



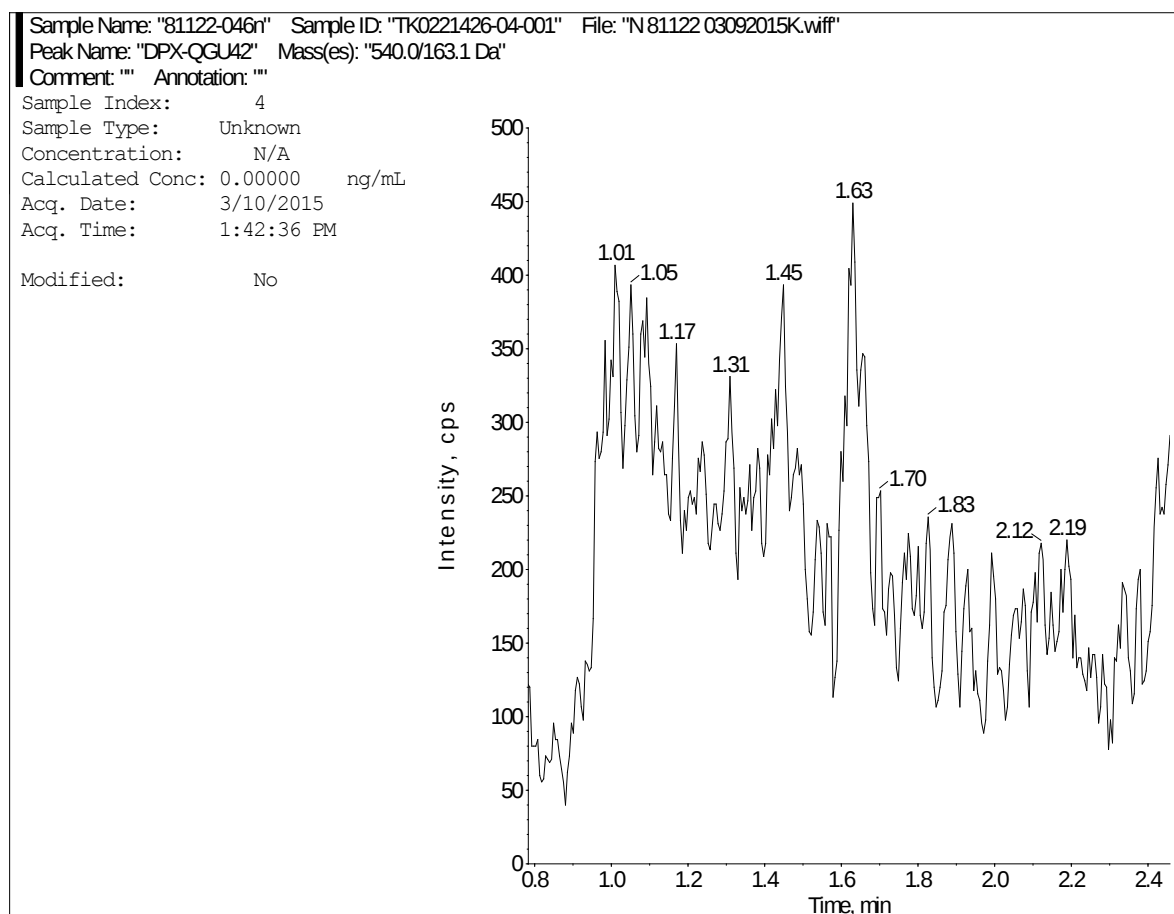
**FIGURE 8 Representative Chromatograms – IN-Q7H09 in or on Broccoli
(continued)**

- Broccoli from Field Trial Number TK0221426-02, **IN-Q7H09**, Set #002
- Broccoli, Treated Sample 81122-019n, TK0221426-02-002, 0.01 g sample/mL
Expected Retention Time: 1.43 minutes
IN-Q7H09 Reported: None Detected



**FIGURE 9 Representative Chromatograms – DPX-QGU42 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-04, **DPX-QGU42**, Set #004
- Cauliflower, Control Sample 81122-046n, TK0221426-04-001, 0.01 g sample/mL
Expected Retention Time: 1.78 minutes
DPX-QGU42 Reported: None Detected



**FIGURE 9 Representative Chromatograms – DPX-QGU42 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **DPX-QGU42**, Set #004
- Cauliflower, Control Sample 81122-047n, TK0221426-04-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 77%

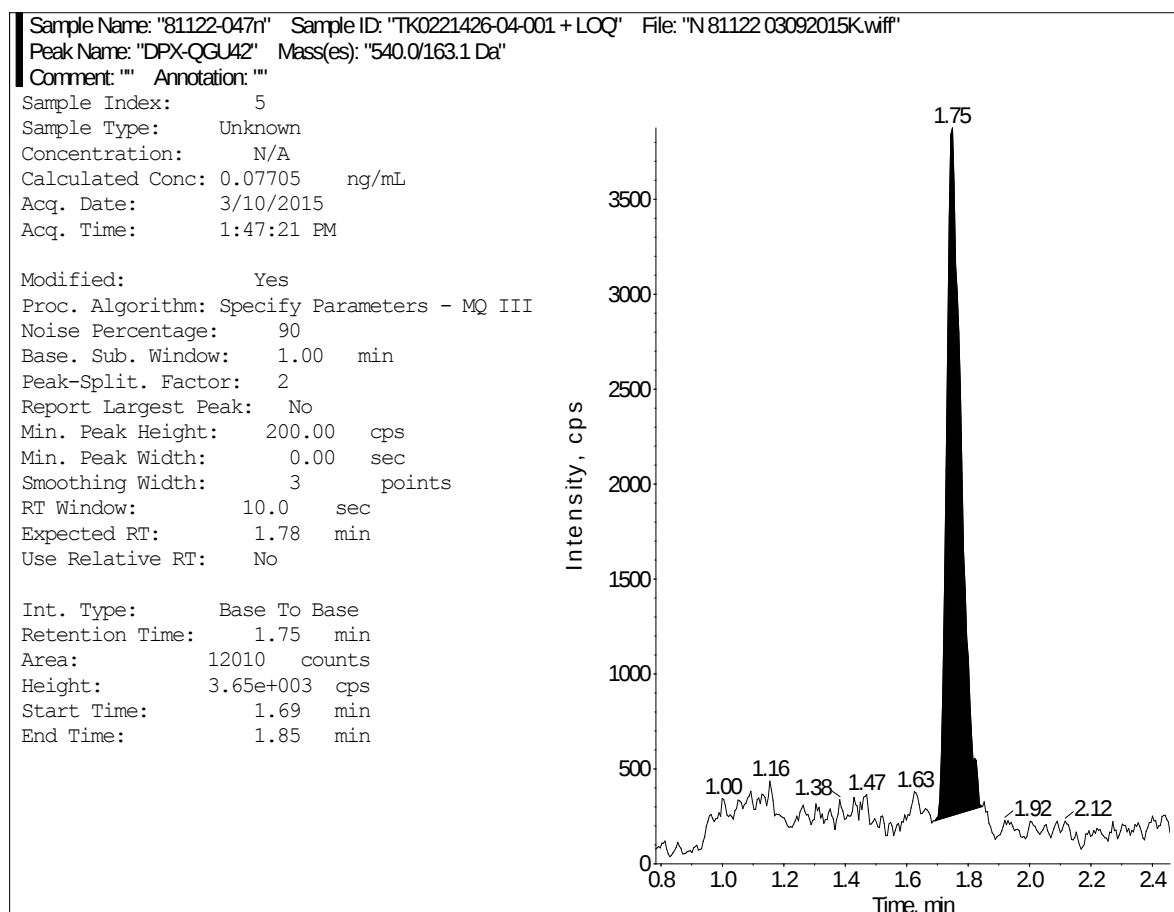


FIGURE 9 Representative Chromatograms – DPX-QGU42 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-04, **DPX-QGU42**, Set #004
- Cauliflower, Control Sample 81122-048n, TK0221426-04-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 99%

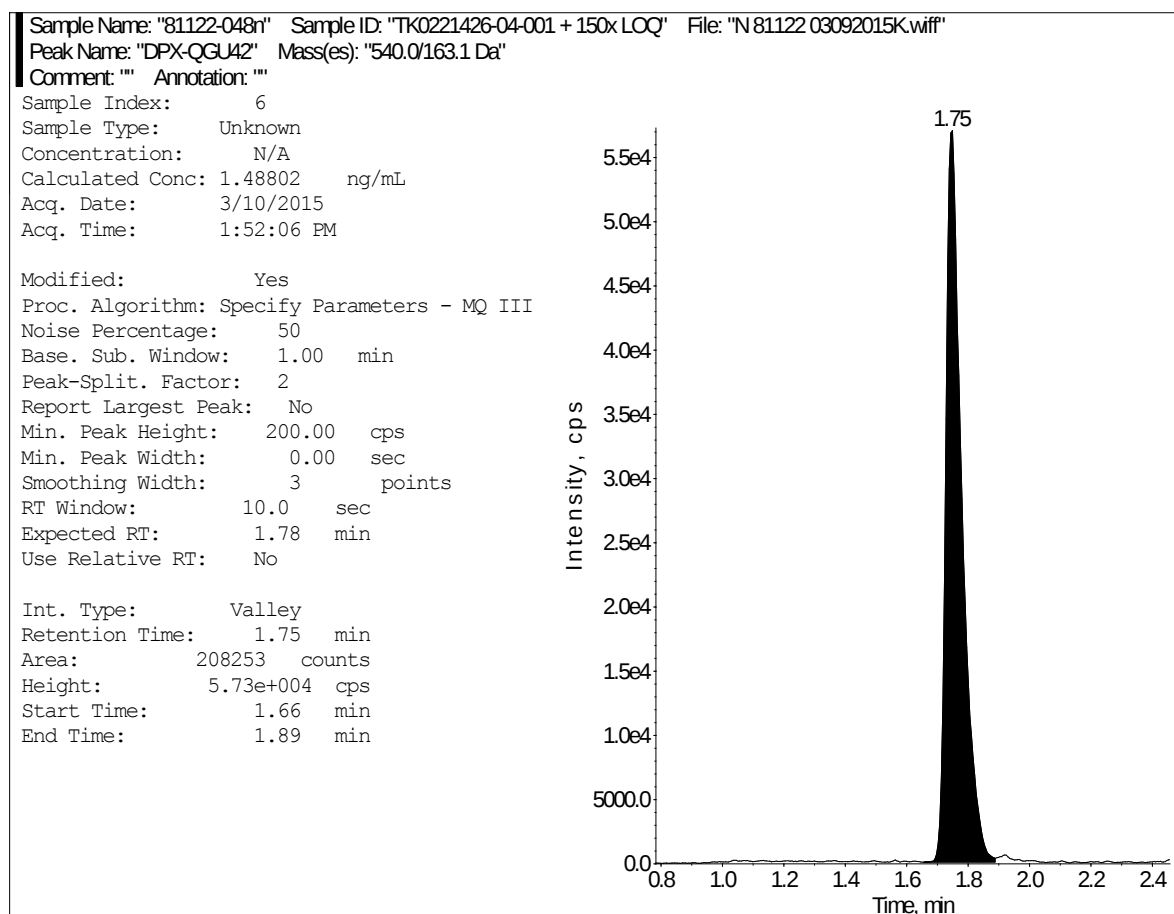
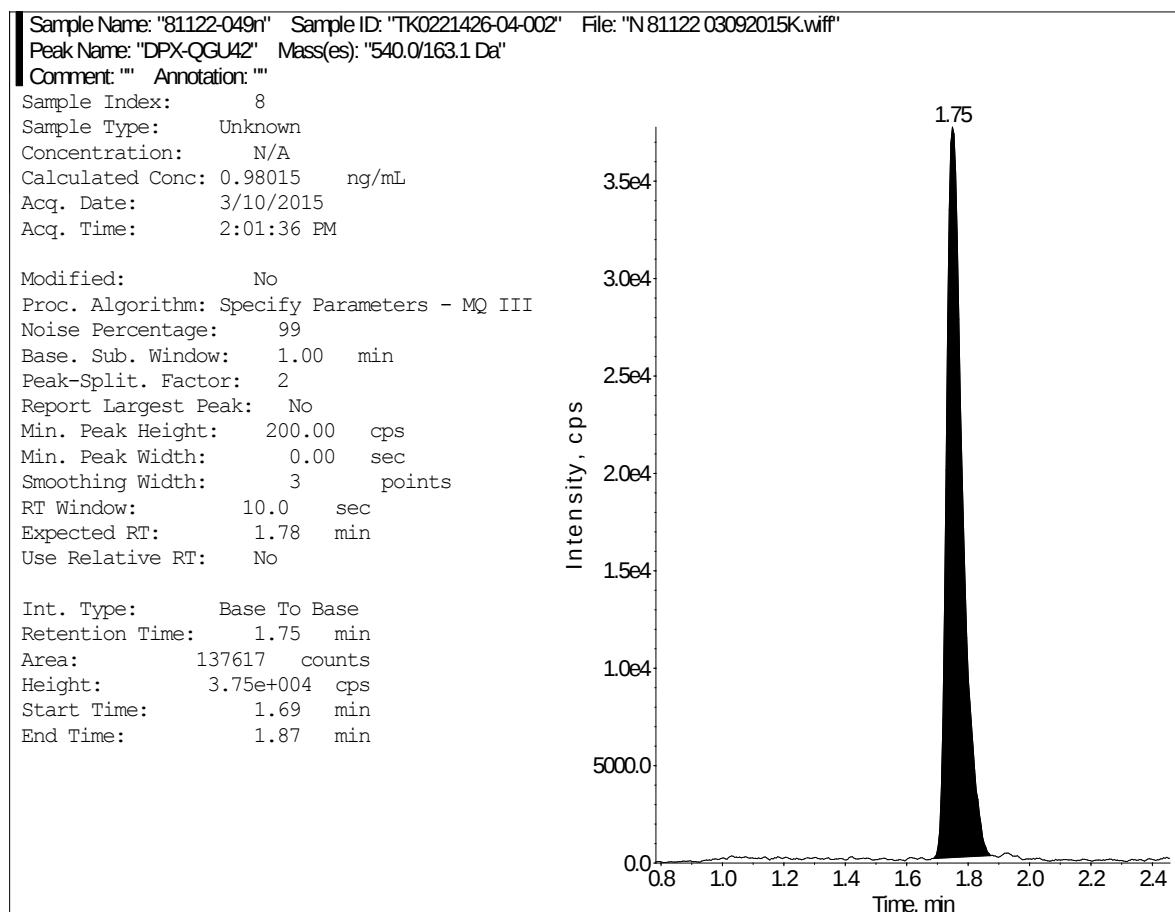


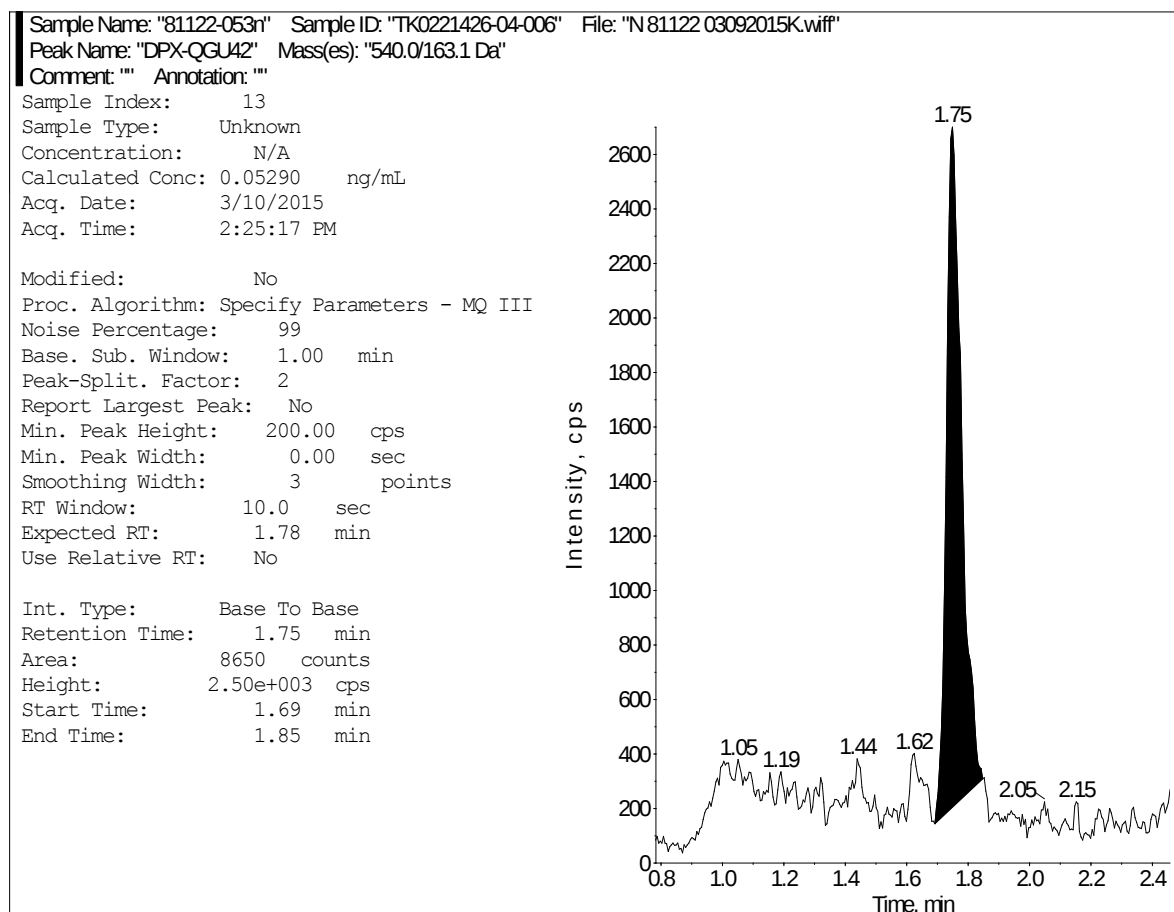
FIGURE 9 Representative Chromatograms – DPX-QGU42 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-04, **DPX-QGU42**, Set #004
- Cauliflower, Treated Sample 81122-049n, TK0221426-04-002, 0.01 g sample/mL
DPX-QGU42 Reported: 0.0978 ppm



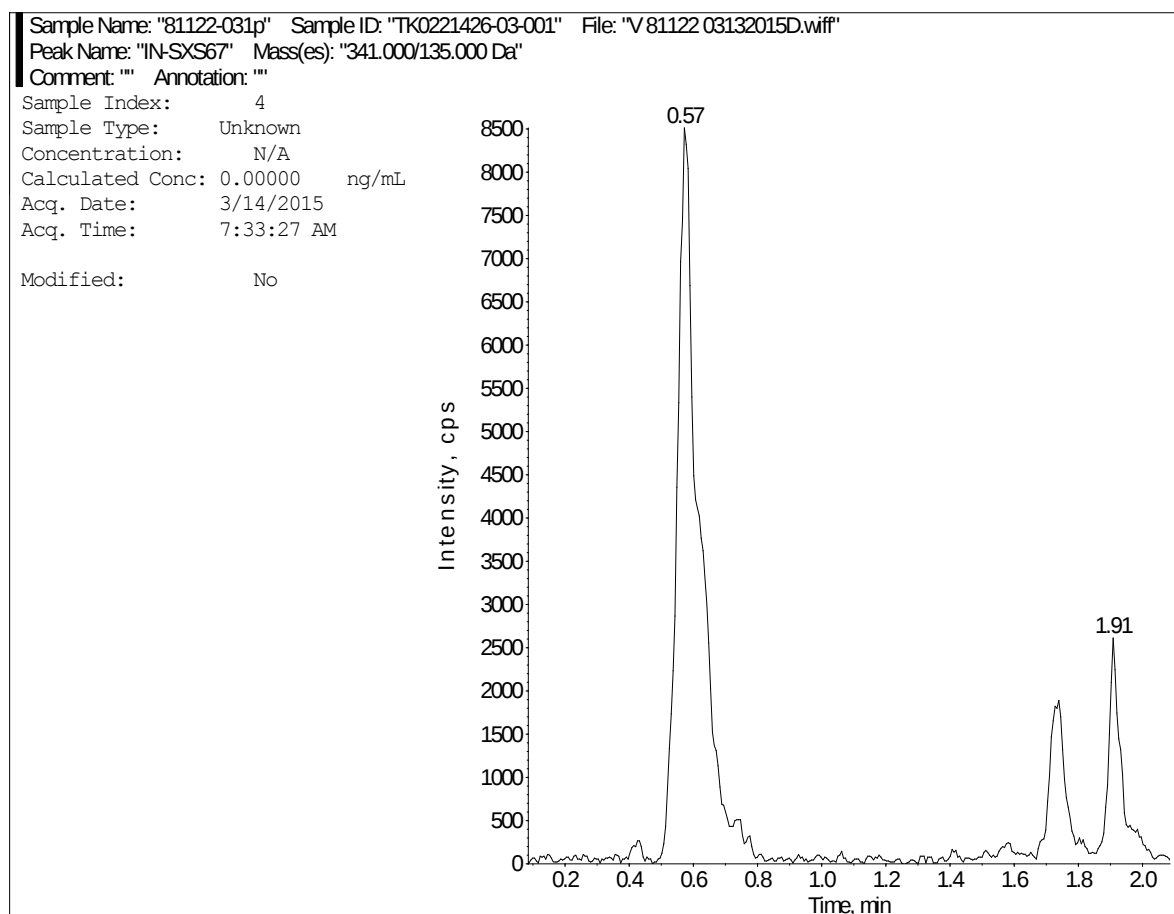
**FIGURE 9 Representative Chromatograms – DPX-QGU42 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **DPX-QGU42**, Set #004
- Cauliflower, Treated Sample 81122-053n, TK0221426-04-006, 0.01 g sample/mL
DPX-QGU42 Reported: <0.01 ppm



**FIGURE 10 Representative Chromatograms – IN-SXS67 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-03, **IN-SXS67**, Set #003
- Cauliflower, Control Sample 81122-031p, TK0221426-03-001, 0.01 g sample/mL
Expected Retention Time: 1.09 minutes
IN-SXS67 Reported: None Detected



**FIGURE 10 Representative Chromatograms – IN-SXS67 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-SXS67**, Set #003
- Cauliflower, Control Sample 81122-032p, TK0221426-03-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 80%

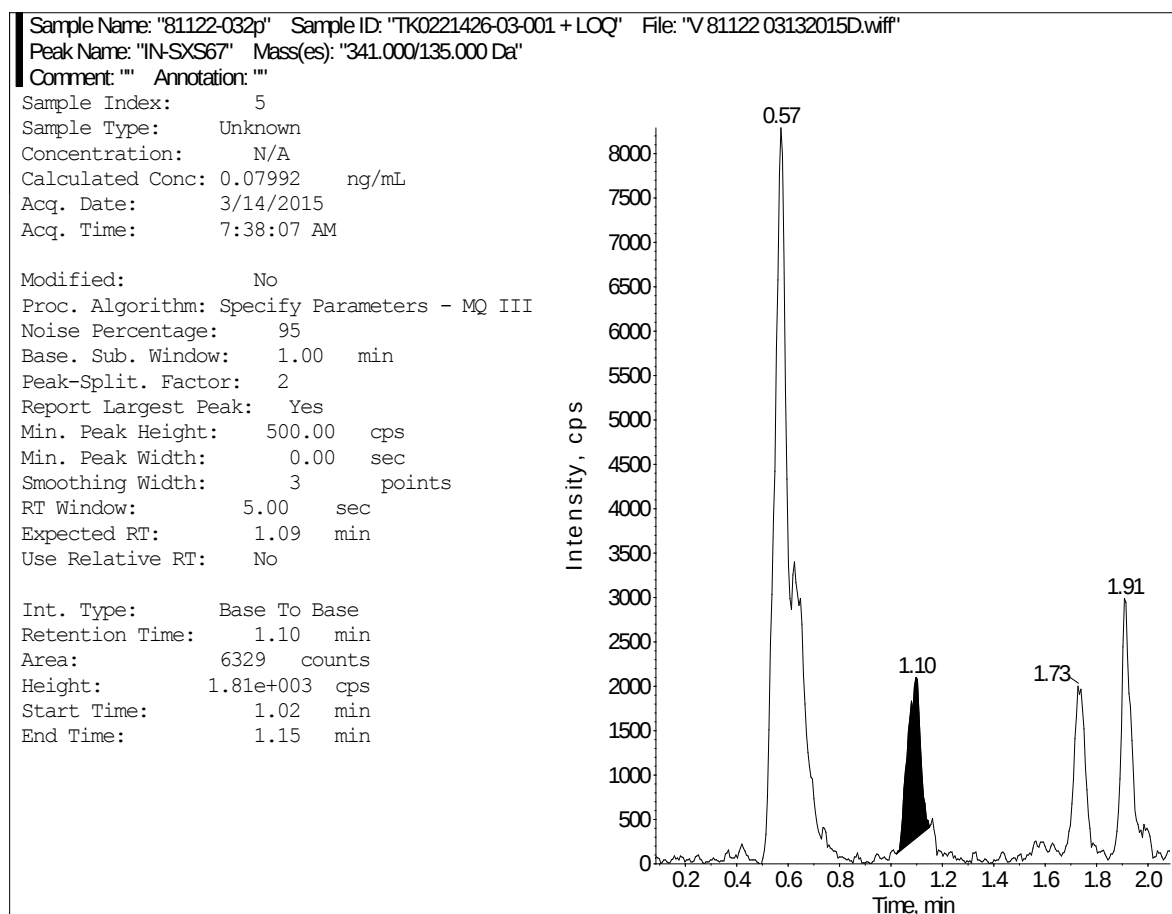
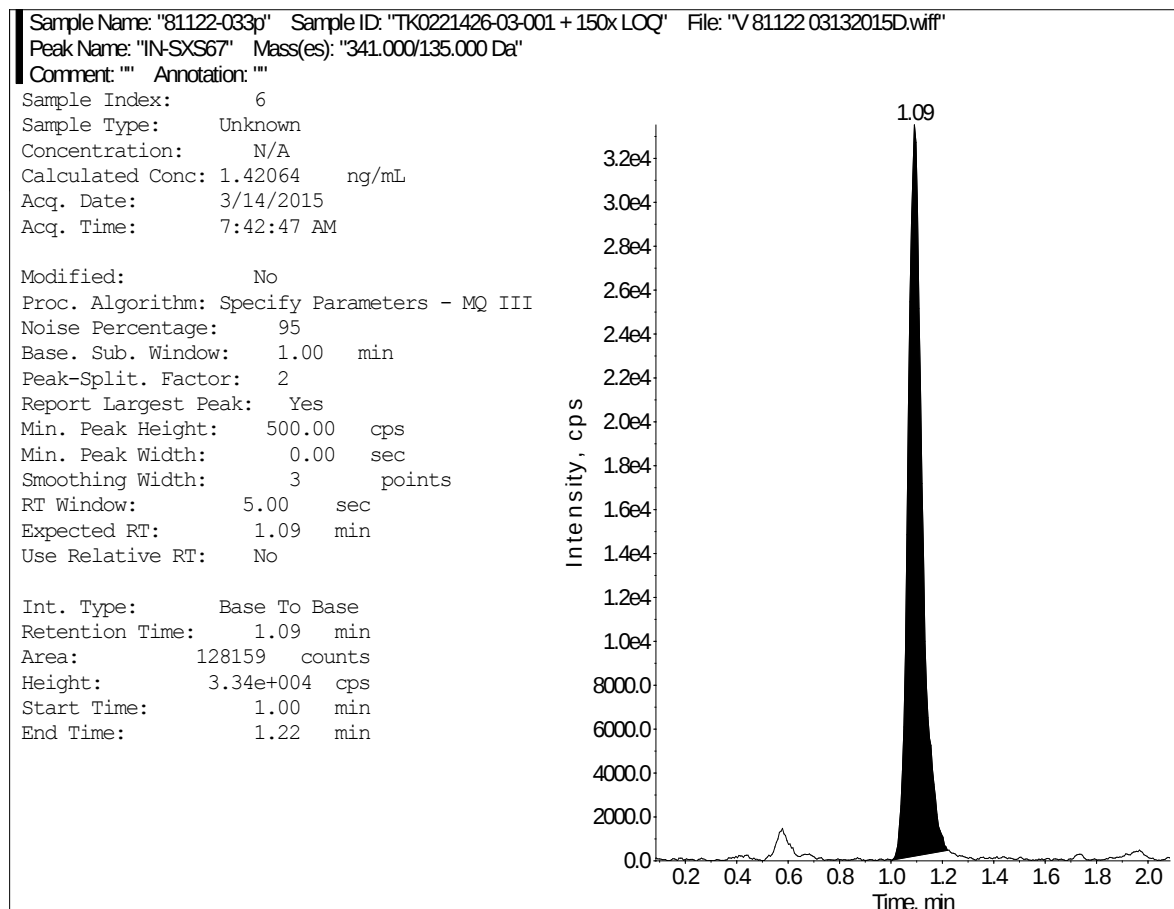


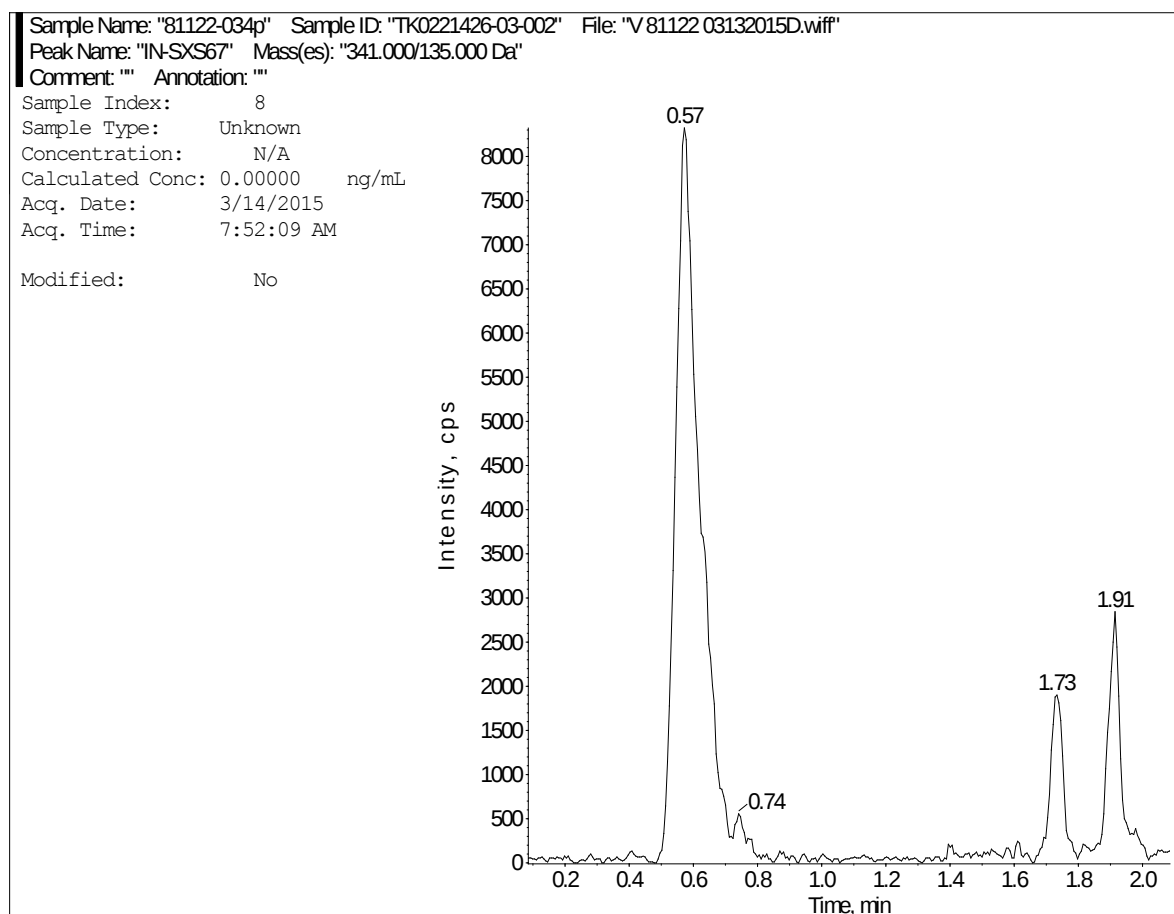
FIGURE 10 Representative Chromatograms – IN-SXS67 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-03, **IN-SXS67**, Set #003
- Cauliflower, Control Sample 81122-033p, TK0221426-03-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 95%



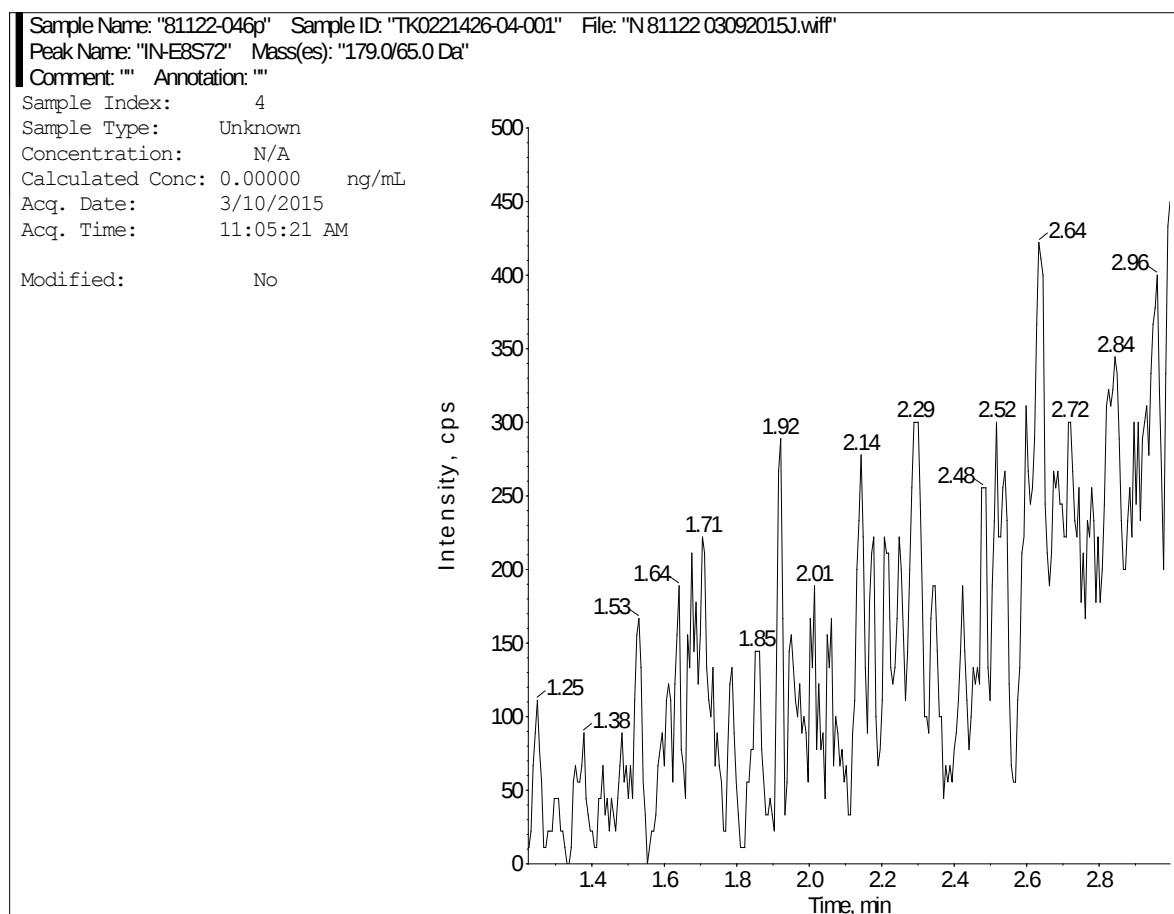
**FIGURE 10 Representative Chromatograms – IN-SXS67 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-SXS67**, Set #003
- Cauliflower, Treated Sample 81122-034p, TK0221426-03-002, 0.01 g sample/mL
Expected Retention Time: 1.09 minutes
IN-SXS67 Reported: None Detected



**FIGURE 11 Representative Chromatograms – IN-E8S72 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-04, **IN-E8S72**, Set #004
- Cauliflower, Control Sample 81122-046p, TK0221426-04-001, 0.01 g sample/mL
Expected Retention Time: 2.22 minutes
IN-E8S72 Reported: None Detected



**FIGURE 11 Representative Chromatograms – IN-E8S72 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-E8S72**, Set #004
- Cauliflower, Control Sample 81122-047p, TK0221426-04-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 81%

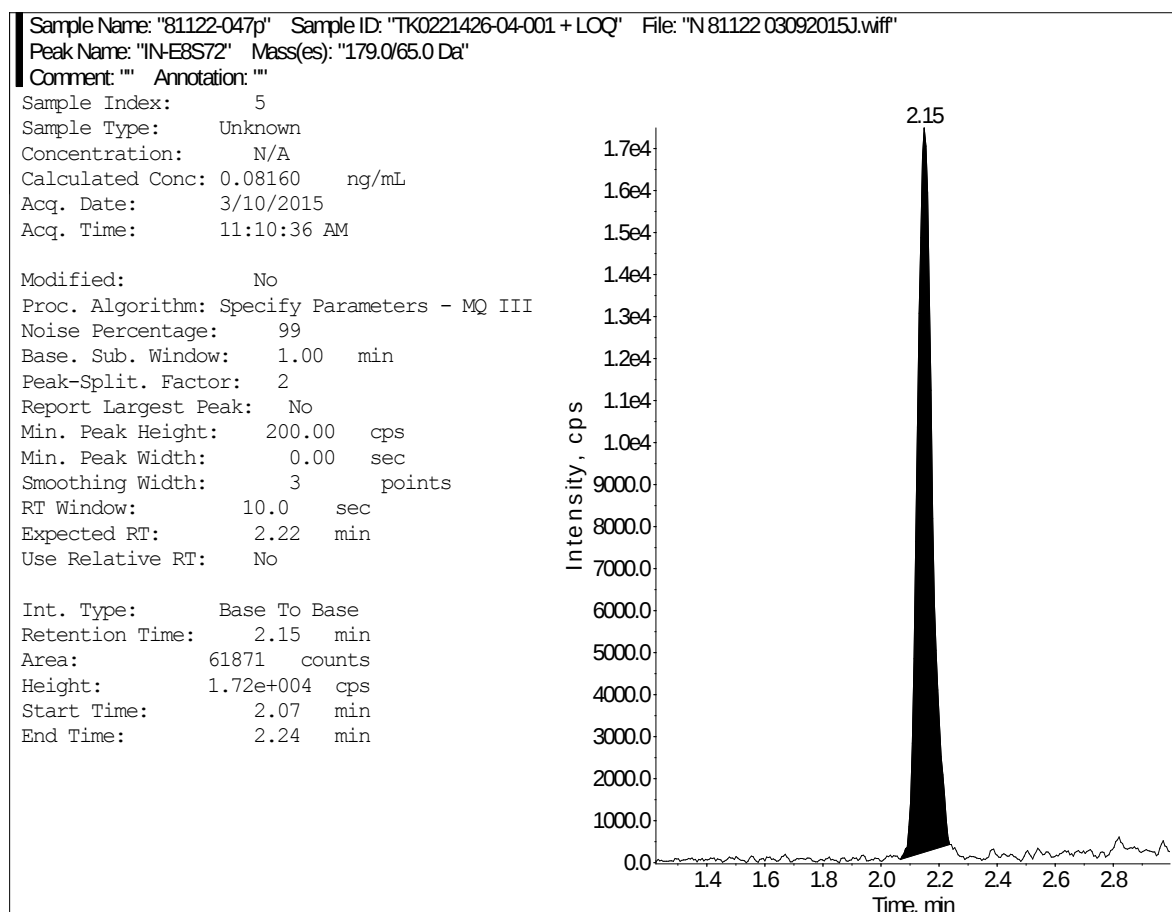
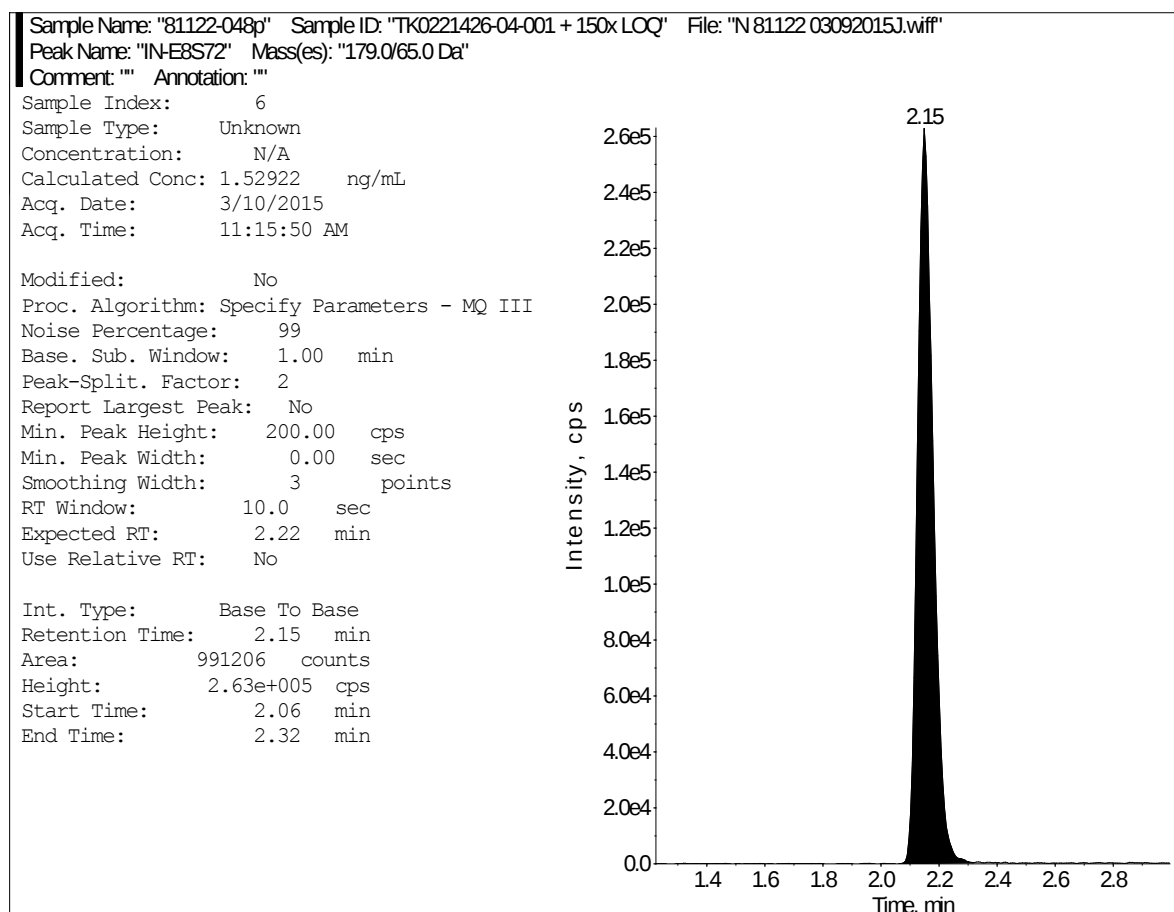


FIGURE 11 Representative Chromatograms – IN-E8S72 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-04, **IN-E8S72**, Set #004
- Cauliflower, Control Sample 81122-048p, TK0221426-04-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 102%



**FIGURE 11 Representative Chromatograms – IN-E8S72 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-E8S72**, Set #004
- Cauliflower, Treated Sample 81122-049p, TK0221426-04-002, 0.01 g sample/mL
Expected Retention Time: 2.22 minutes
IN-E8S72 Reported: None Detected

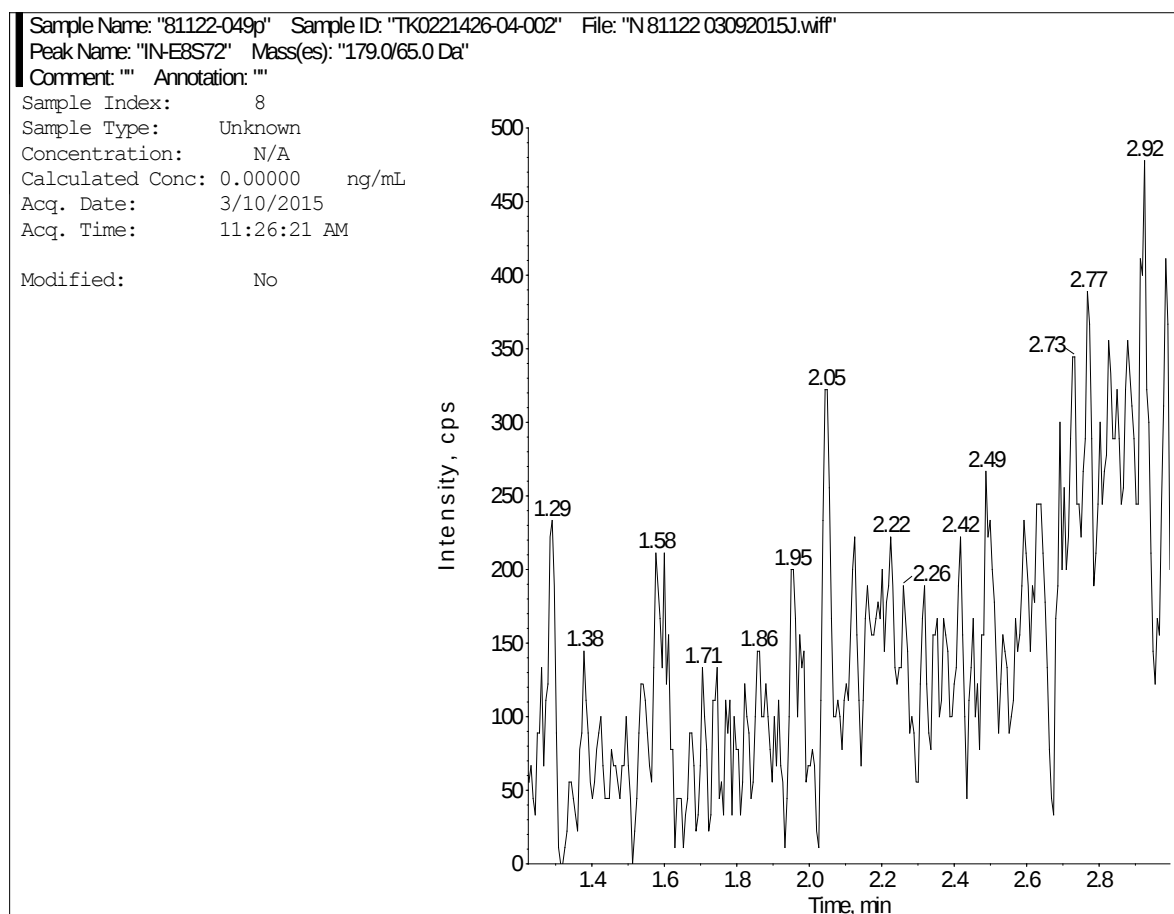


FIGURE 12 Representative Chromatograms – IN-RZB20 in or on Cauliflower

- Cauliflower from Field Trial Number TK0221426-03, **IN-RZB20**, Set #003
- Cauliflower, Control Sample 81122-031p, TK0221426-03-001, 0.01 g sample/mL
Expected Retention Time: 1.48 minutes
IN-RZB20 Reported: None Detected

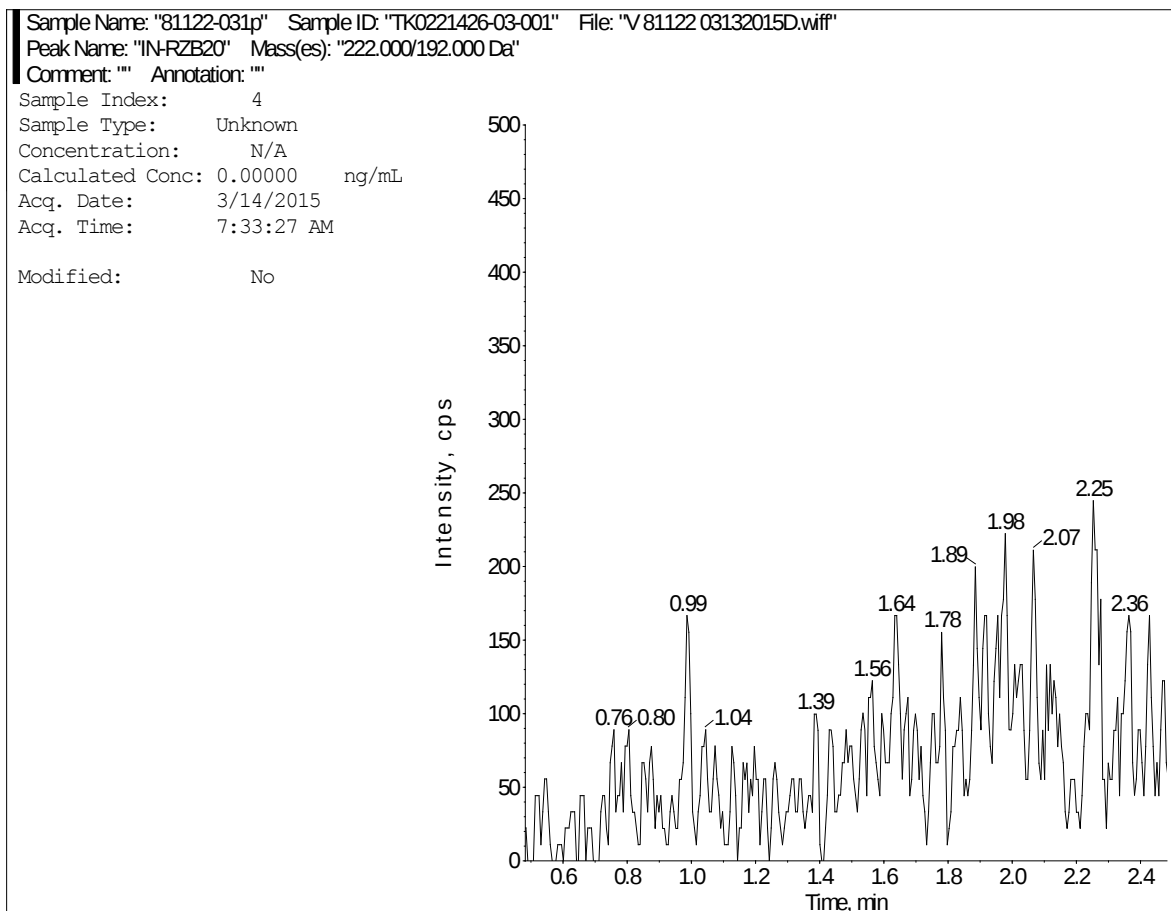


FIGURE 12 Representative Chromatograms – IN-RZB20 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-03, **IN-RZB20**, Set #003
- Cauliflower, Control Sample 81122-032p, TK0221426-03-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 100%

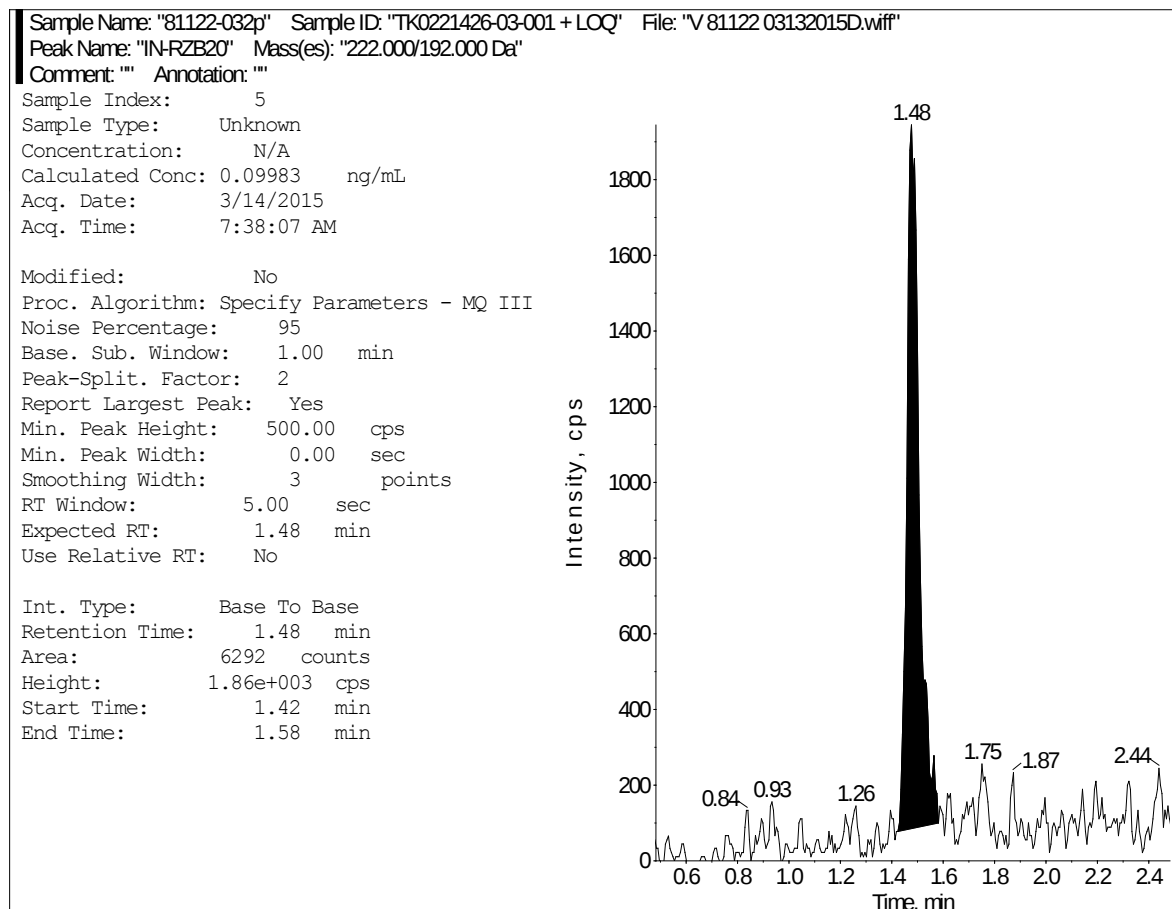
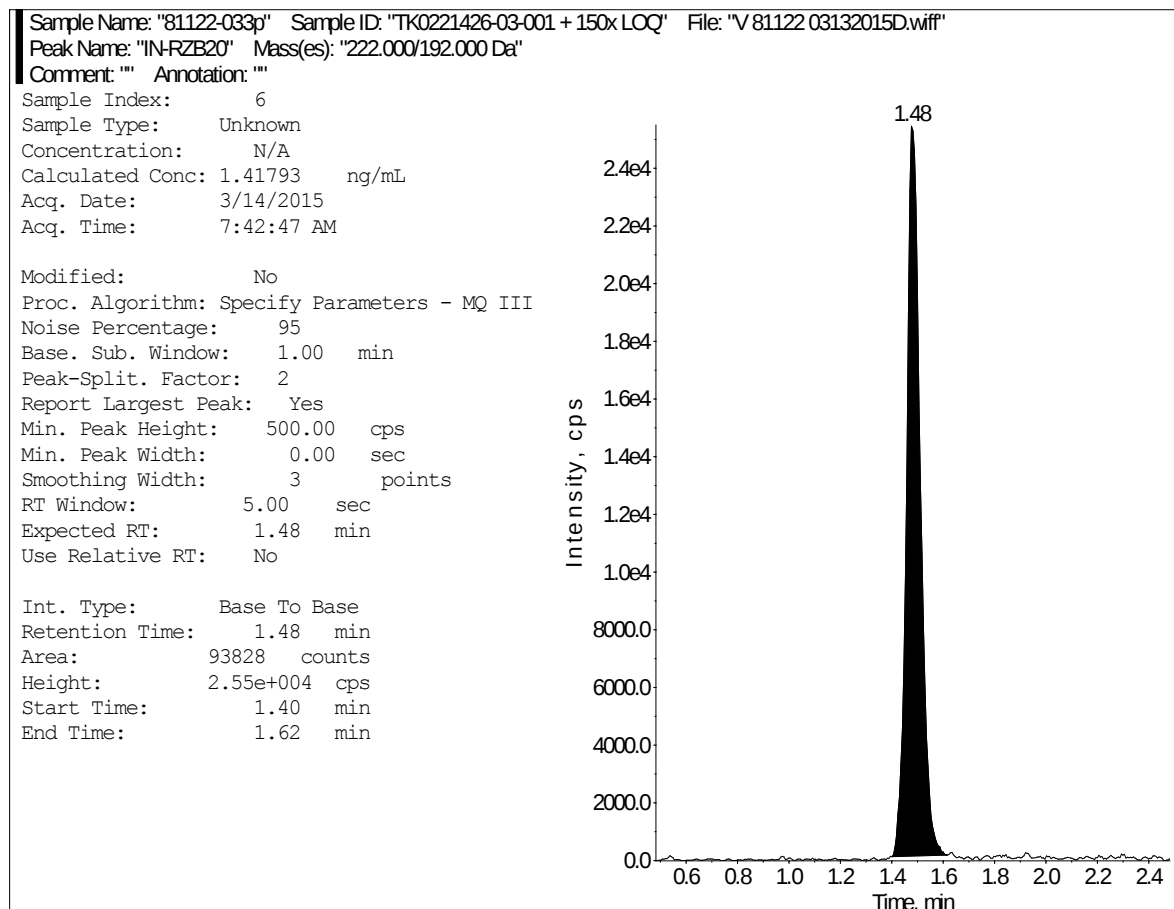


FIGURE 12 Representative Chromatograms – IN-RZB20 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-03, **IN-RZB20**, Set #003
- Cauliflower, Control Sample 81122-033p, TK0221426-03-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 95%



**FIGURE 12 Representative Chromatograms – IN-RZB20 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-RZB20**, Set #003
- Cauliflower, Treated Sample 81122-035p, TK0221426-03-003, 0.01 g sample/mL
Expected Retention Time: 1.48 minutes
IN-RZB20 Reported: None Detected

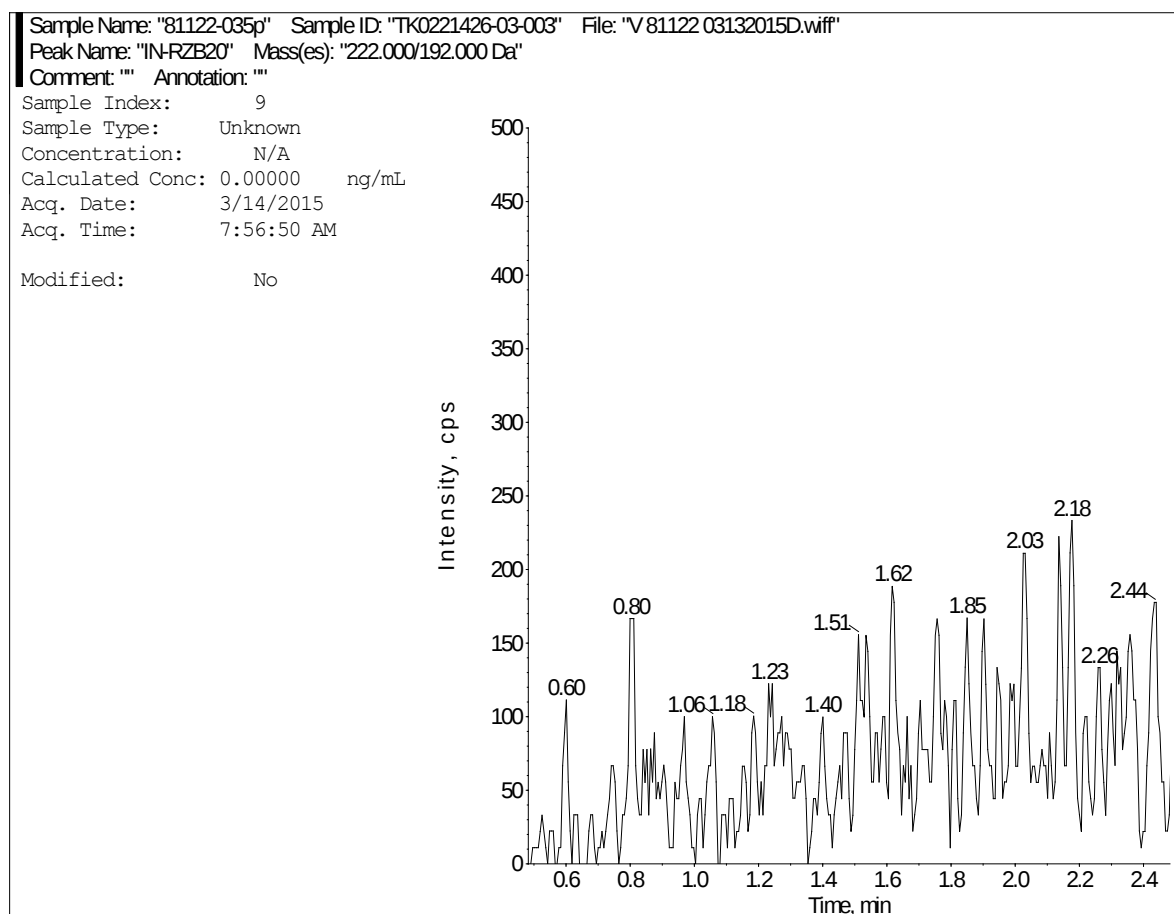


FIGURE 13 Representative Chromatograms – IN-RZD74 in or on Cauliflower

- Cauliflower from Field Trial Number TK0221426-04, **IN-RZD74**, Set #004
- Cauliflower, Control Sample 81122-046p, TK0221426-04-001, 0.01 g sample/mL
Expected Retention Time: 2.01 minutes
IN-RZD74 Reported: None Detected

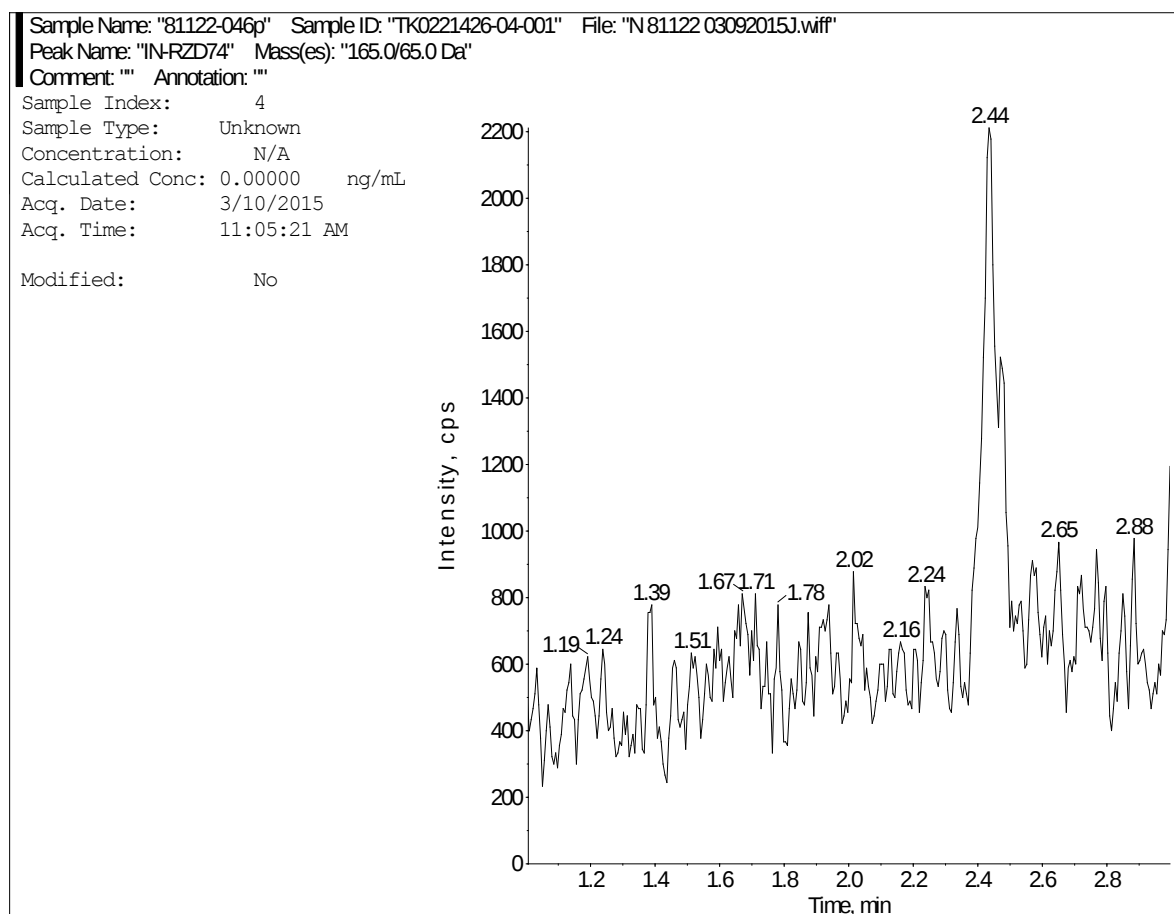
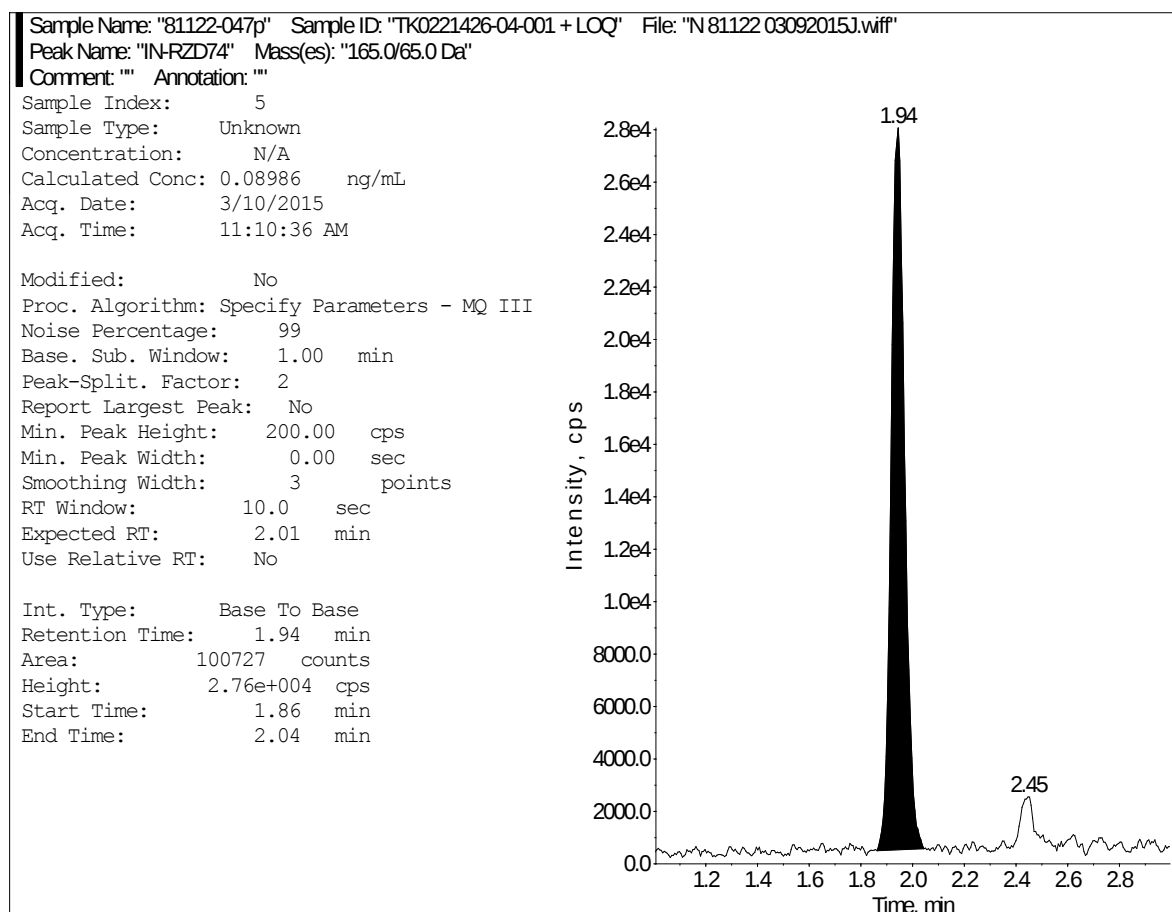


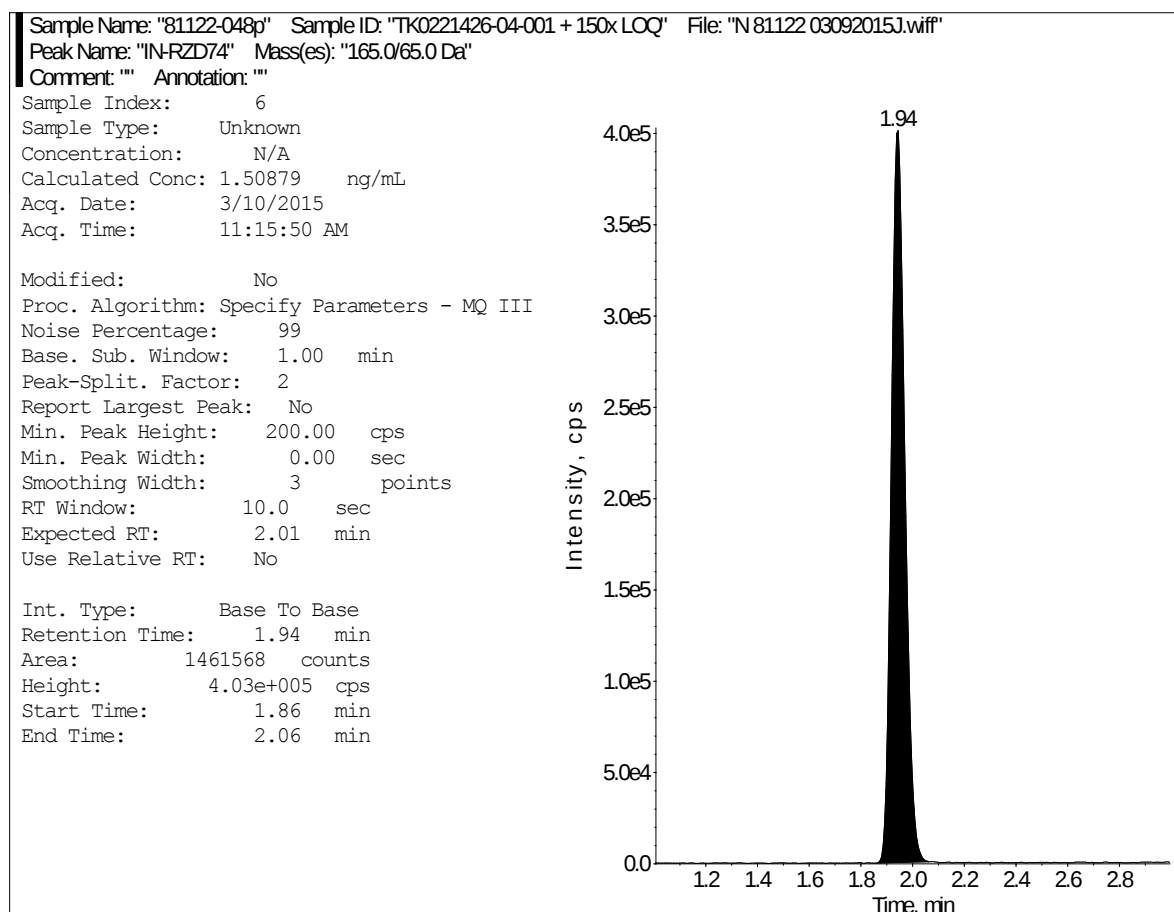
FIGURE 13 Representative Chromatograms – IN-RZD74 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-04, **IN-RZD74**, Set #004
- Cauliflower, Control Sample 81122-047p, TK0221426-04-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 90%



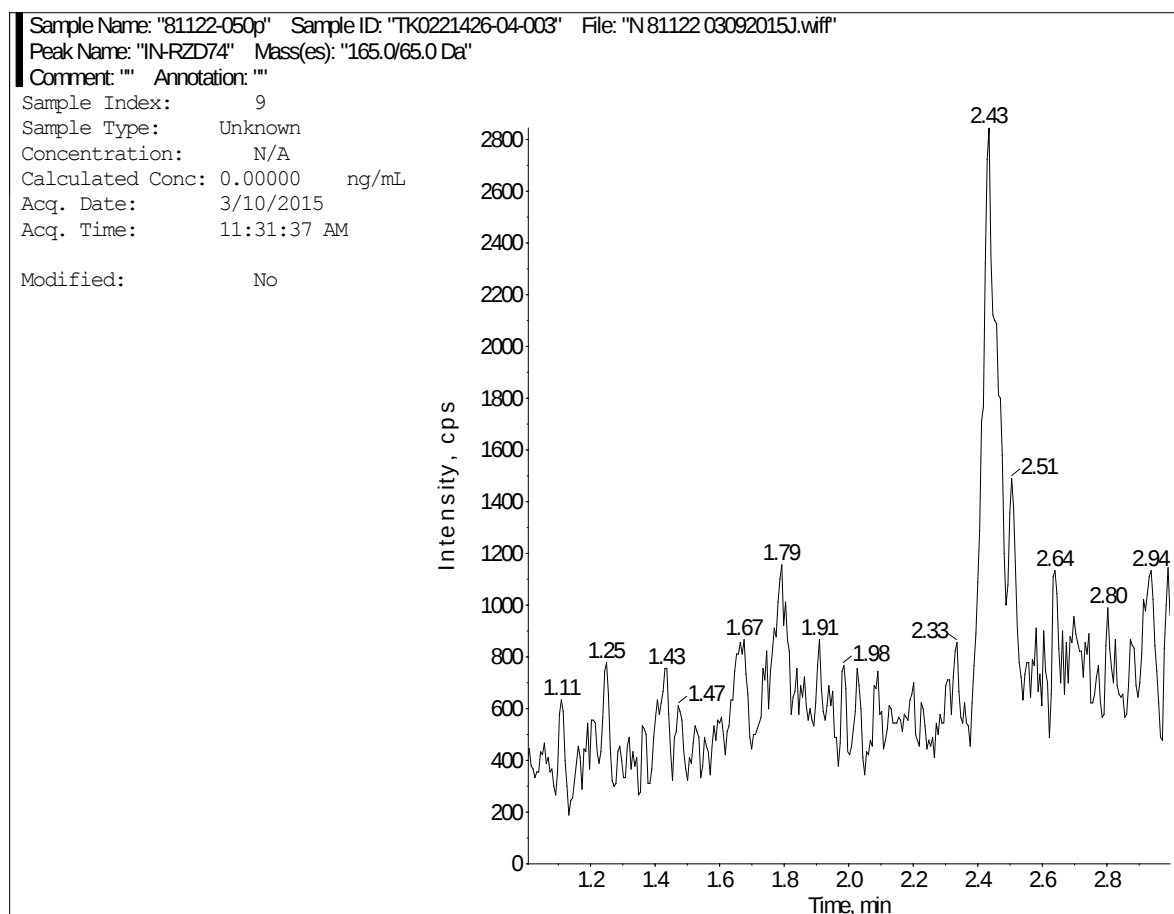
**FIGURE 13 Representative Chromatograms – IN-RZD74 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-RZD74**, Set #004
- Cauliflower, Control Sample 81122-048p, TK0221426-04-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 100%



**FIGURE 13 Representative Chromatograms – IN-RZD74 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-RZD74**, Set #004
- Cauliflower, Treated Sample 81122-050p, TK0221426-04-003, 0.01 g sample/mL
Expected Retention Time: 2.01 minutes
IN-RZD74 Reported: None Detected



**FIGURE 14 Representative Chromatograms – IN-WR791 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-03, **IN-WR791**, Set #003
- Cauliflower, Control Sample 81122-031p, TK0221426-03-001, 0.01 g sample/mL
Expected Retention Time: 2.43 minutes
IN-WR791 Reported: None Detected

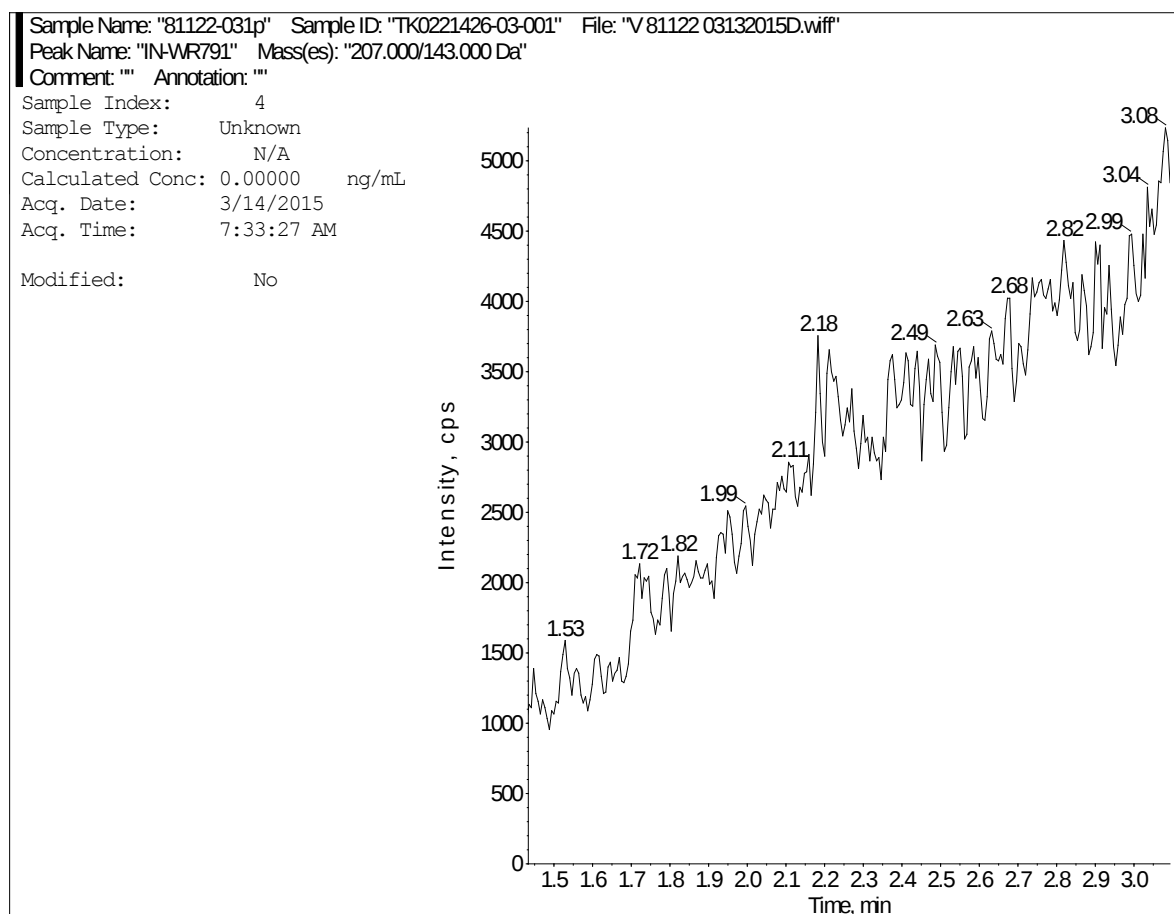
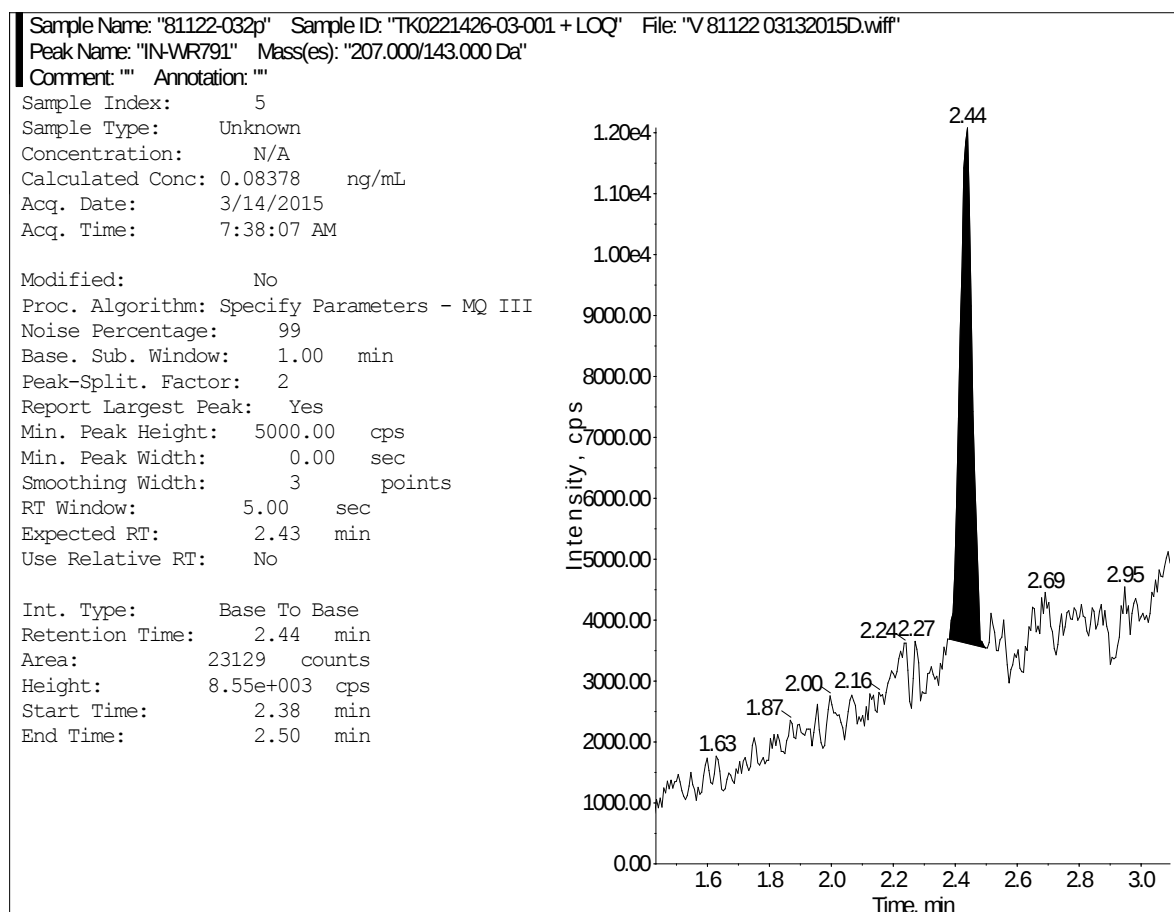


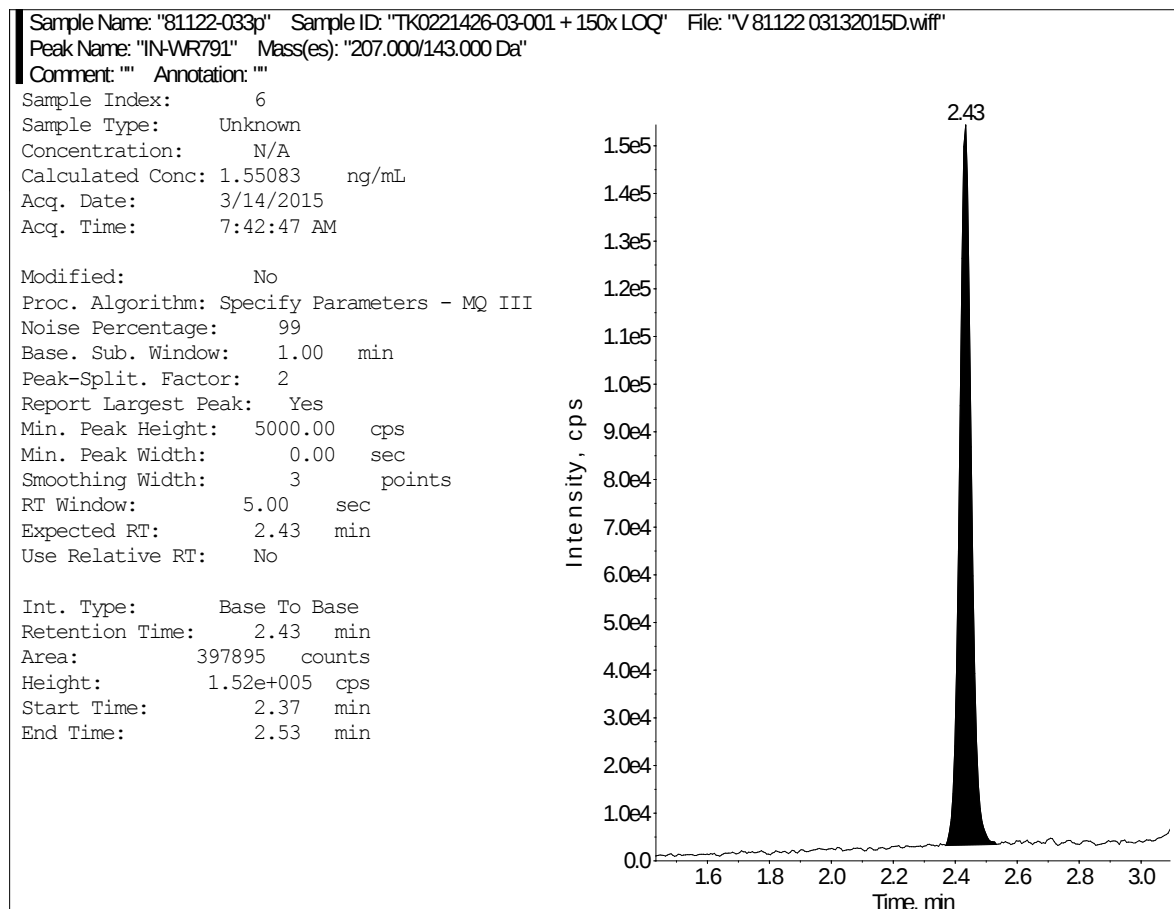
FIGURE 14 Representative Chromatograms – IN-WR791 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-03, **IN-WR791**, Set #003
- Cauliflower, Control Sample 81122-032p, TK0221426-03-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 84%



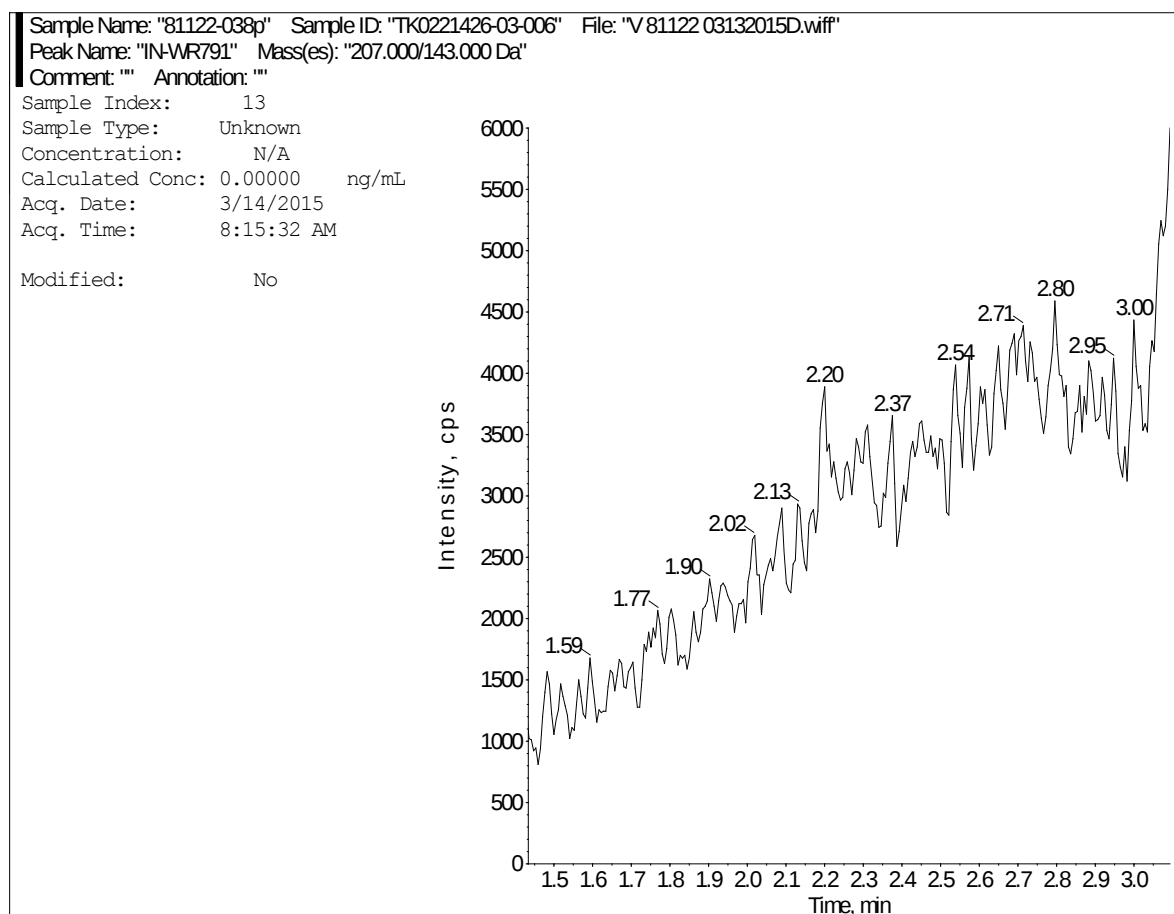
**FIGURE 14 Representative Chromatograms – IN-WR791 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-WR791**, Set #003
- Cauliflower, Control Sample 81122-033p, TK0221426-03-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 103%



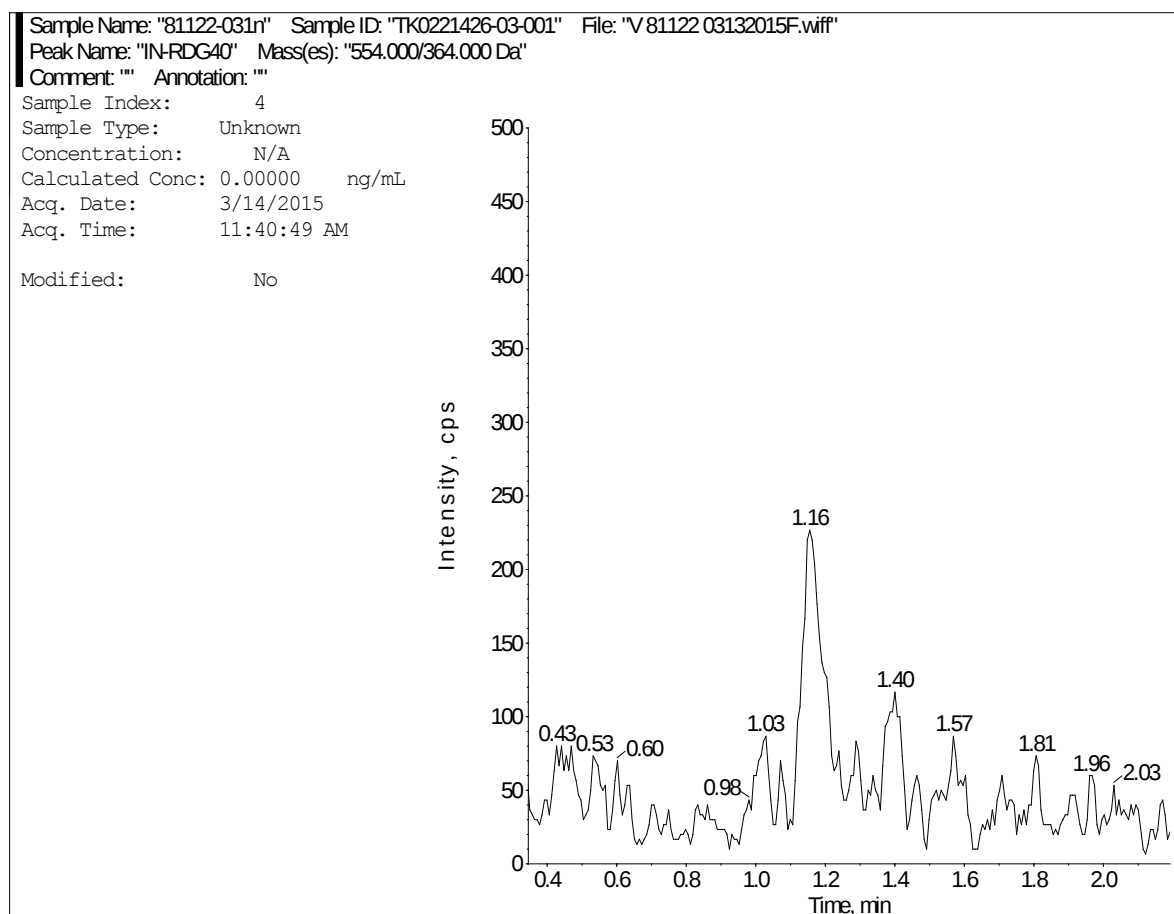
**FIGURE 14 Representative Chromatograms – IN-WR791 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-WR791**, Set #003
- Cauliflower, Treated Sample 81122-038p, TK0221426-03-006, 0.01 g sample/mL
Expected Retention Time: 2.43 minutes
IN-WR791 Reported: None Detected



**FIGURE 15 Representative Chromatograms – IN-RDG40 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-03, **IN-RDG40**, Set #003
- Cauliflower, Control Sample 81122-031n, TK0221426-03-001, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected



**FIGURE 15 Representative Chromatograms – IN-RDG40 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-RDG40**, Set #003
- Cauliflower, Control Sample 81122-032n, TK0221426-03-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 97%

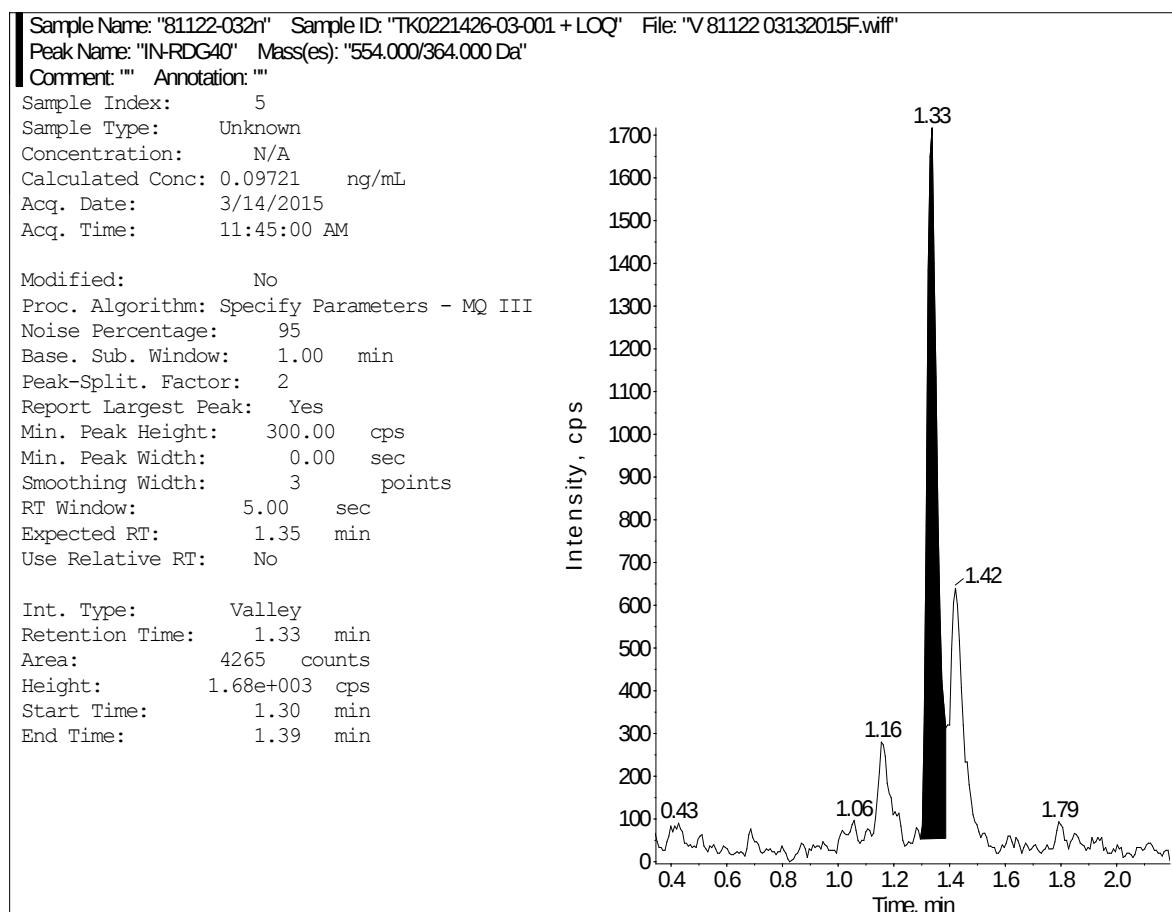
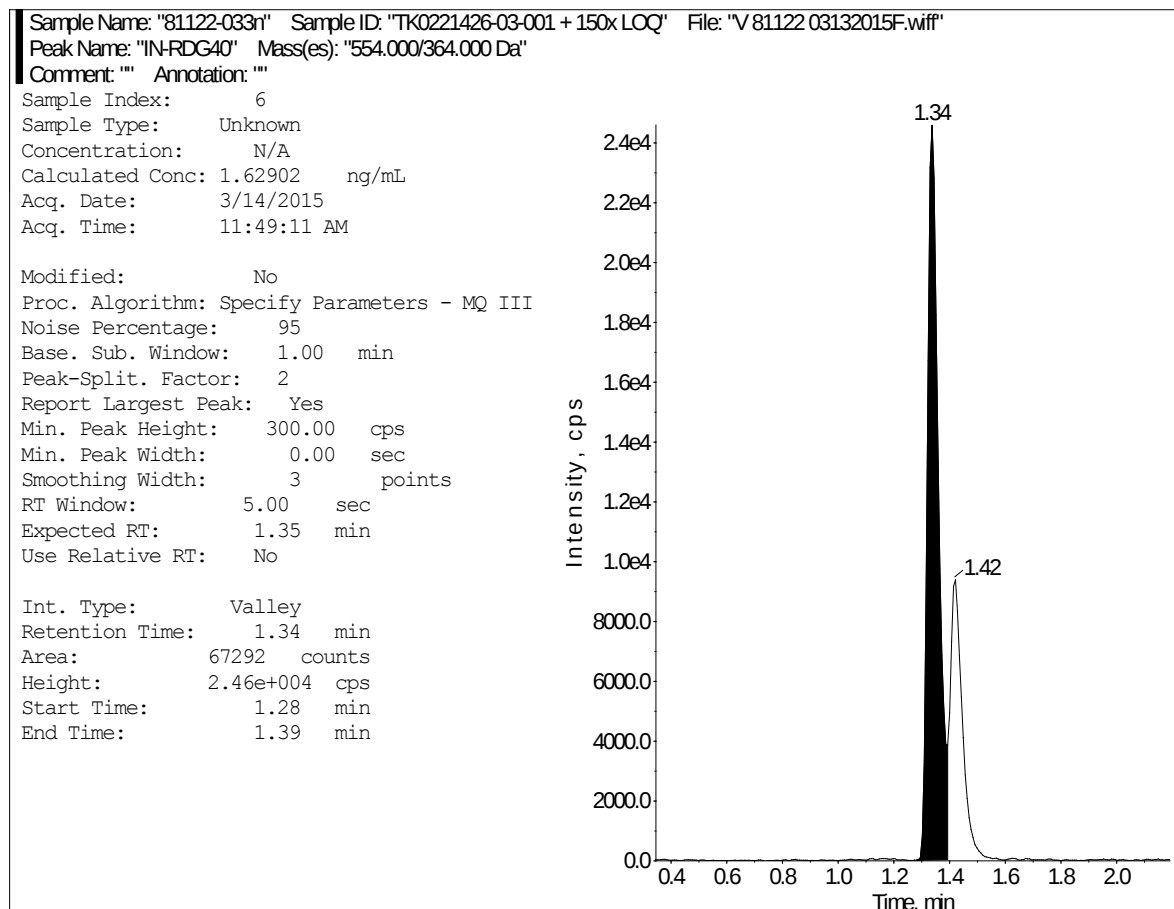


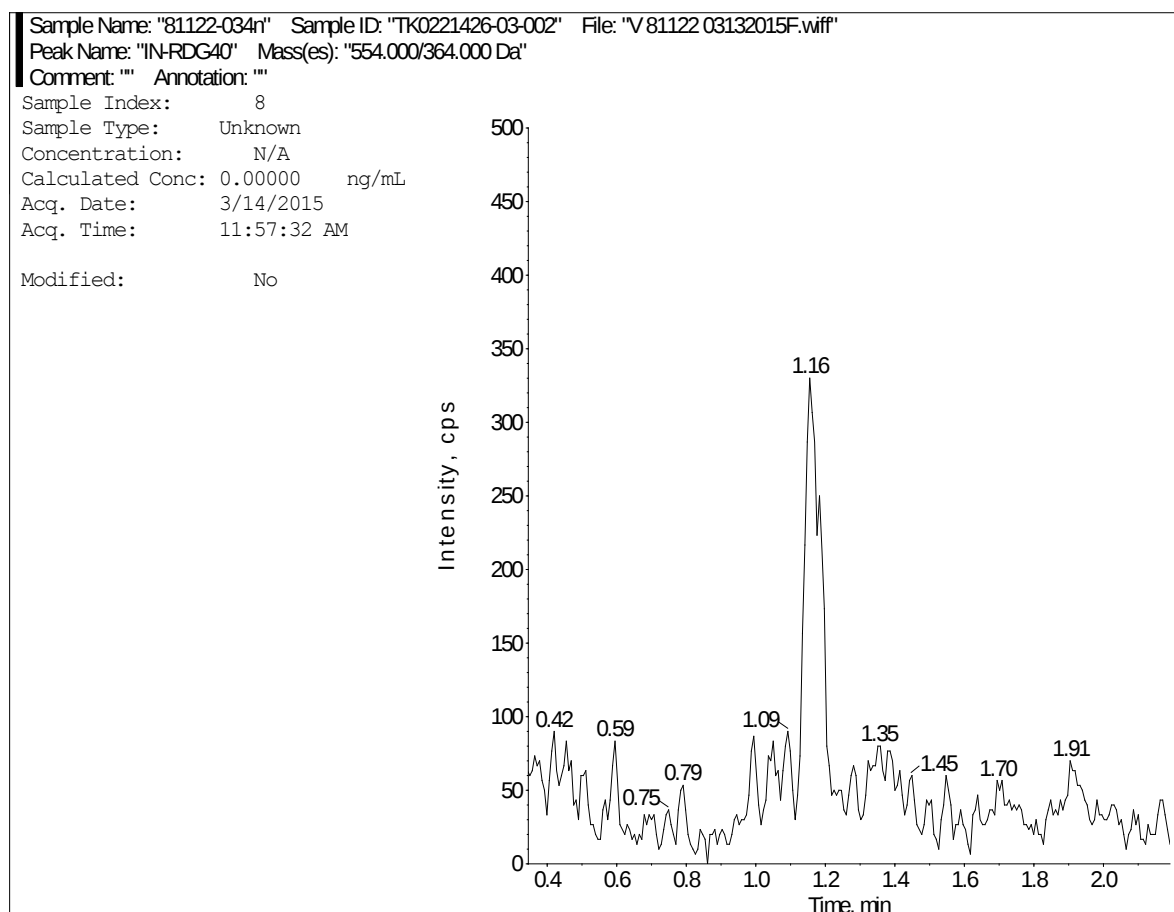
FIGURE 15 Representative Chromatograms – IN-RDG40 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-03, **IN-RDG40**, Set #003
- Cauliflower, Control Sample 81122-033n, TK0221426-03-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 109%



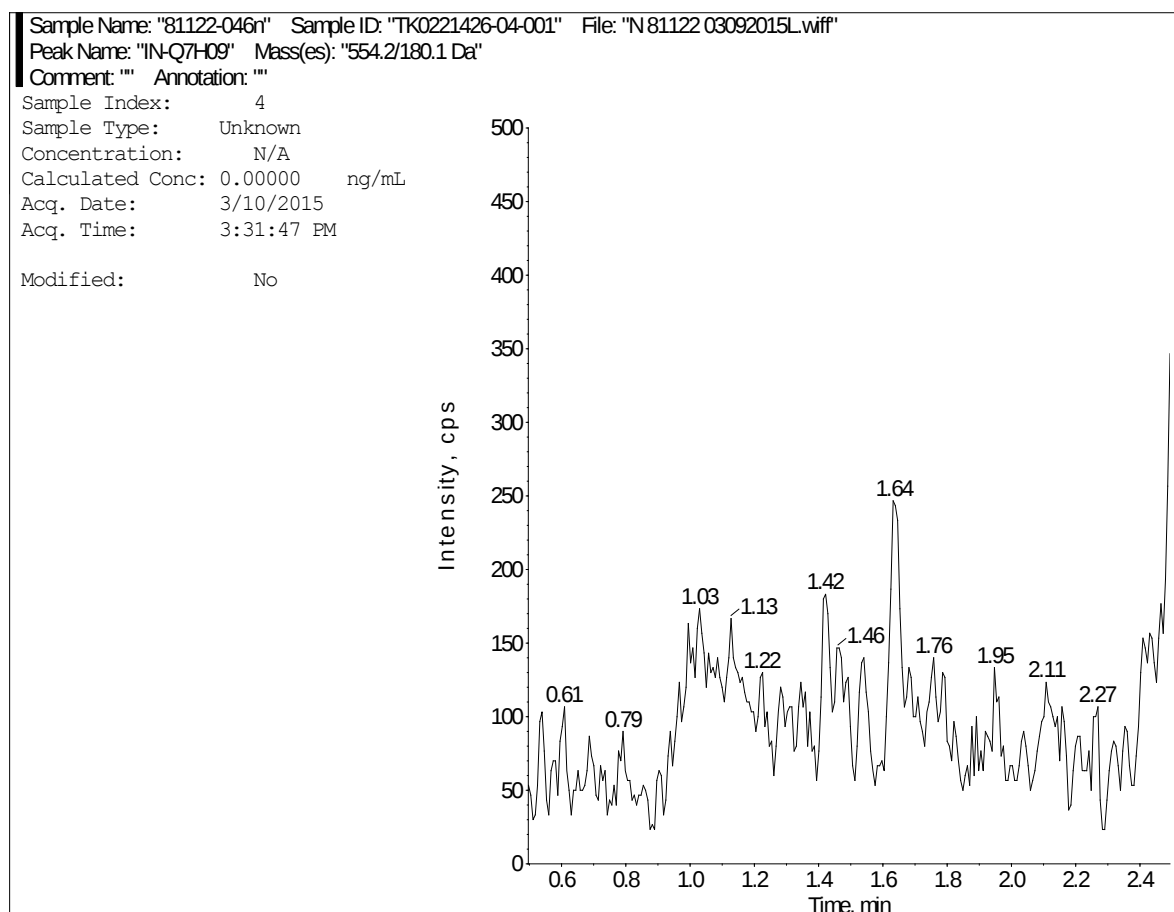
**FIGURE 15 Representative Chromatograms – IN-RDG40 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-03, **IN-RDG40**, Set #003
- Cauliflower, Treated Sample 81122-034n, TK0221426-03-002, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected



**FIGURE 16 Representative Chromatograms – IN-Q7H09 in or on
Cauliflower**

- Cauliflower from Field Trial Number TK0221426-04, **IN-Q7H09**, Set #004
- Cauliflower, Control Sample 81122-046n, TK0221426-04-001, 0.01 g sample/mL
Expected Retention Time: 1.50 minutes
IN-Q7H09 Reported: None Detected



**FIGURE 16 Representative Chromatograms – IN-Q7H09 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-Q7H09**, Set #004
- Cauliflower, Control Sample 81122-047n, TK0221426-04-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 89%

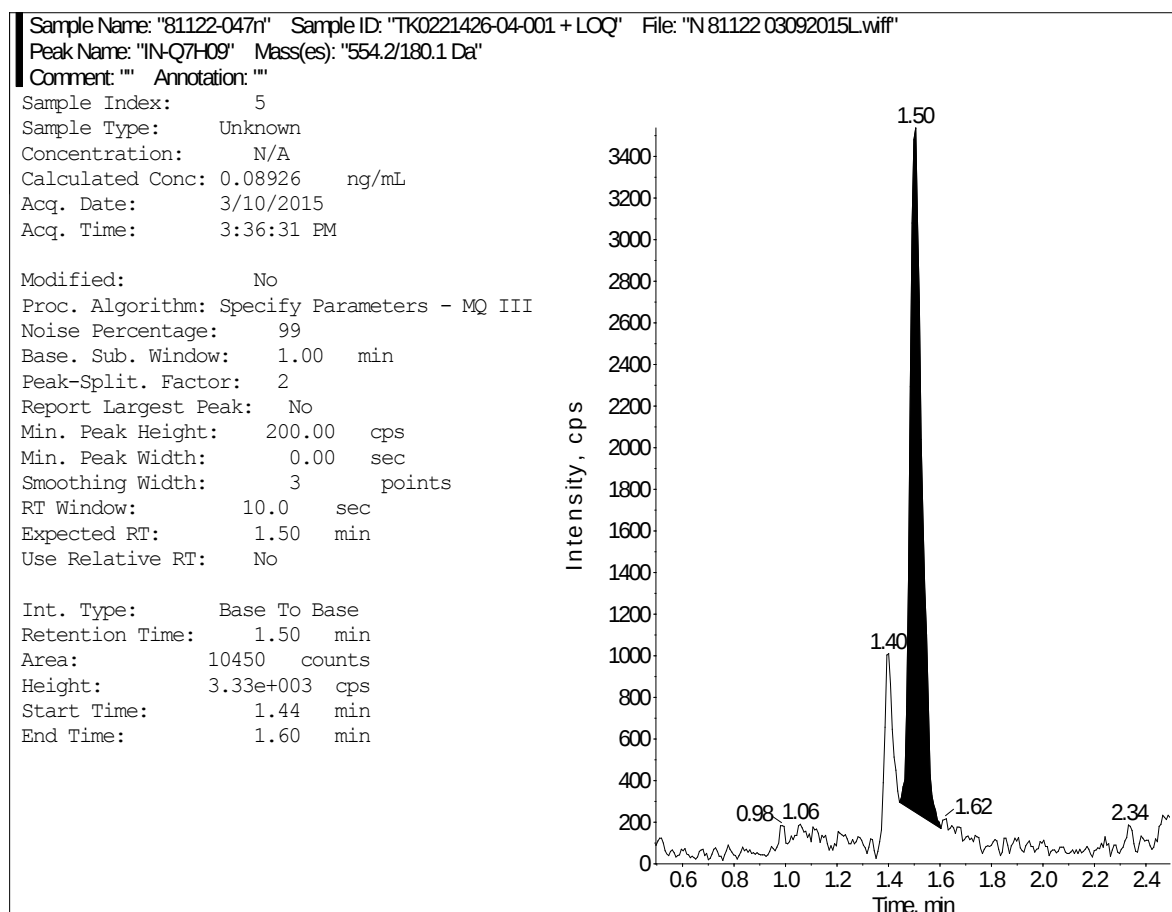
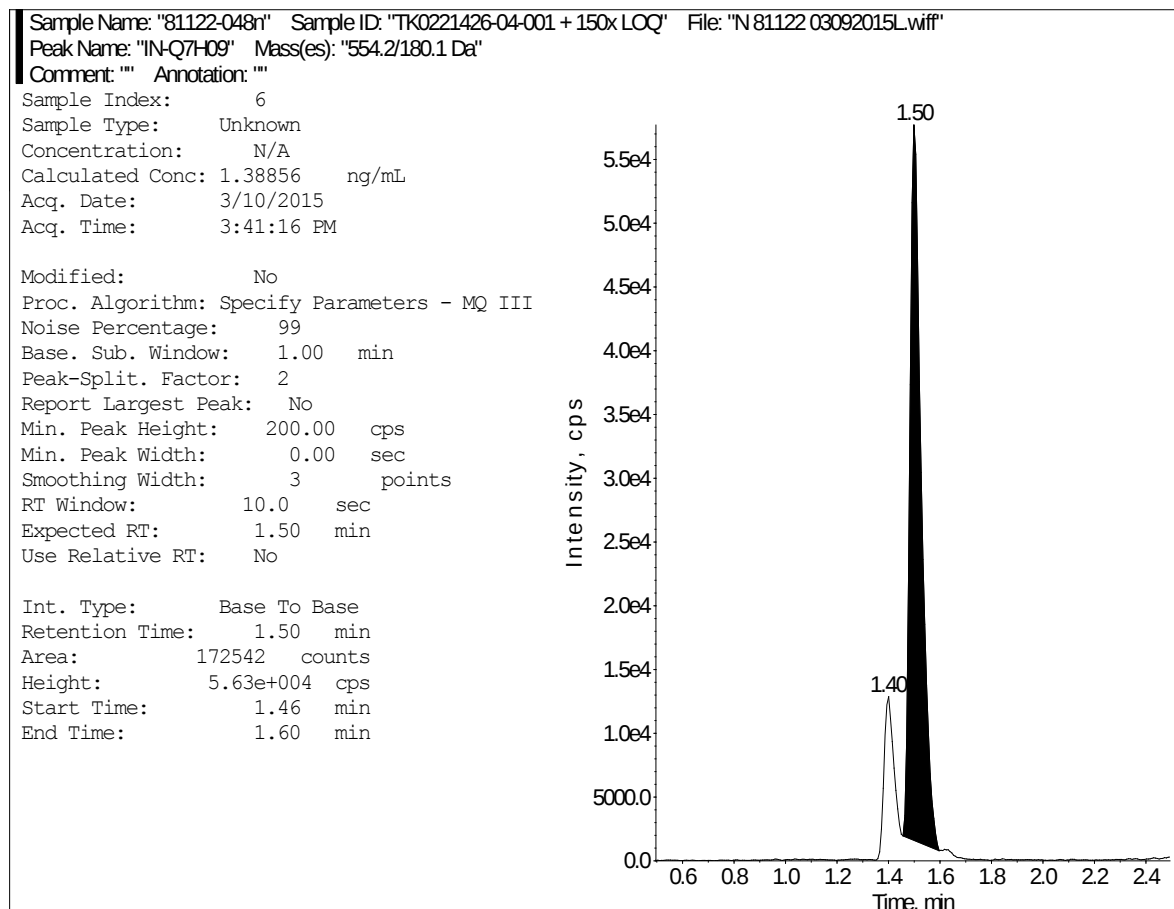


FIGURE 16 Representative Chromatograms – IN-Q7H09 in or on Cauliflower (continued)

- Cauliflower from Field Trial Number TK0221426-04, **IN-Q7H09**, Set #004
- Cauliflower, Control Sample 81122-0048n, TK0221426-04-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 92%



**FIGURE 16 Representative Chromatograms – IN-Q7H09 in or on
Cauliflower (continued)**

- Cauliflower from Field Trial Number TK0221426-04, **IN-Q7H09**, Set #004
- Cauliflower, Treated Sample 81122-049n, TK0221426-04-002, 0.01 g sample/mL
Expected Retention Time: 1.50 minutes
IN-Q7H09 Reported: None Detected

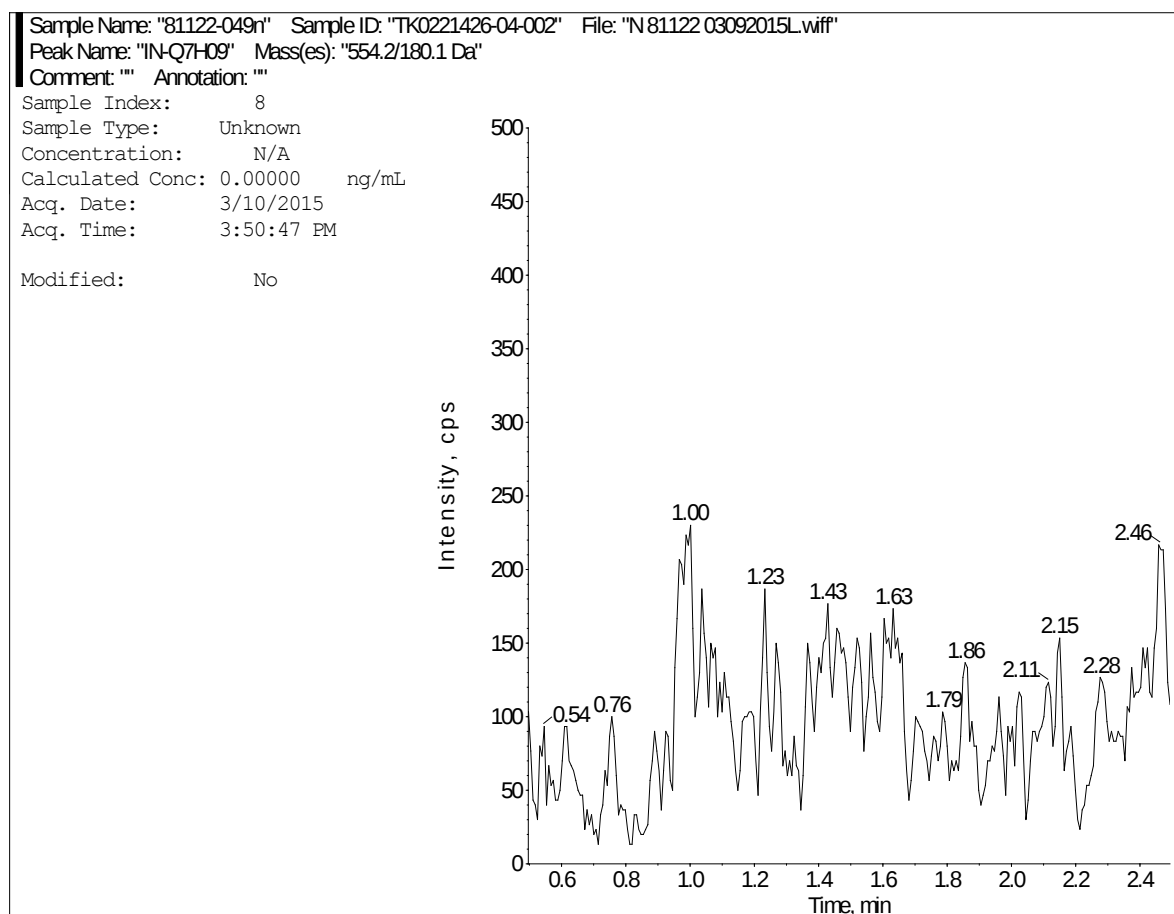


FIGURE 17 Representative Chromatograms – DPX-QGU42 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-05, **DPX-QGU42**, Set #005
- Cabbage, Control Sample 81122-061n, TK0221426-05-001, 0.01 g sample/mL
Expected Retention Time: 1.67 minutes
DPX-QGU42 Reported: None Detected

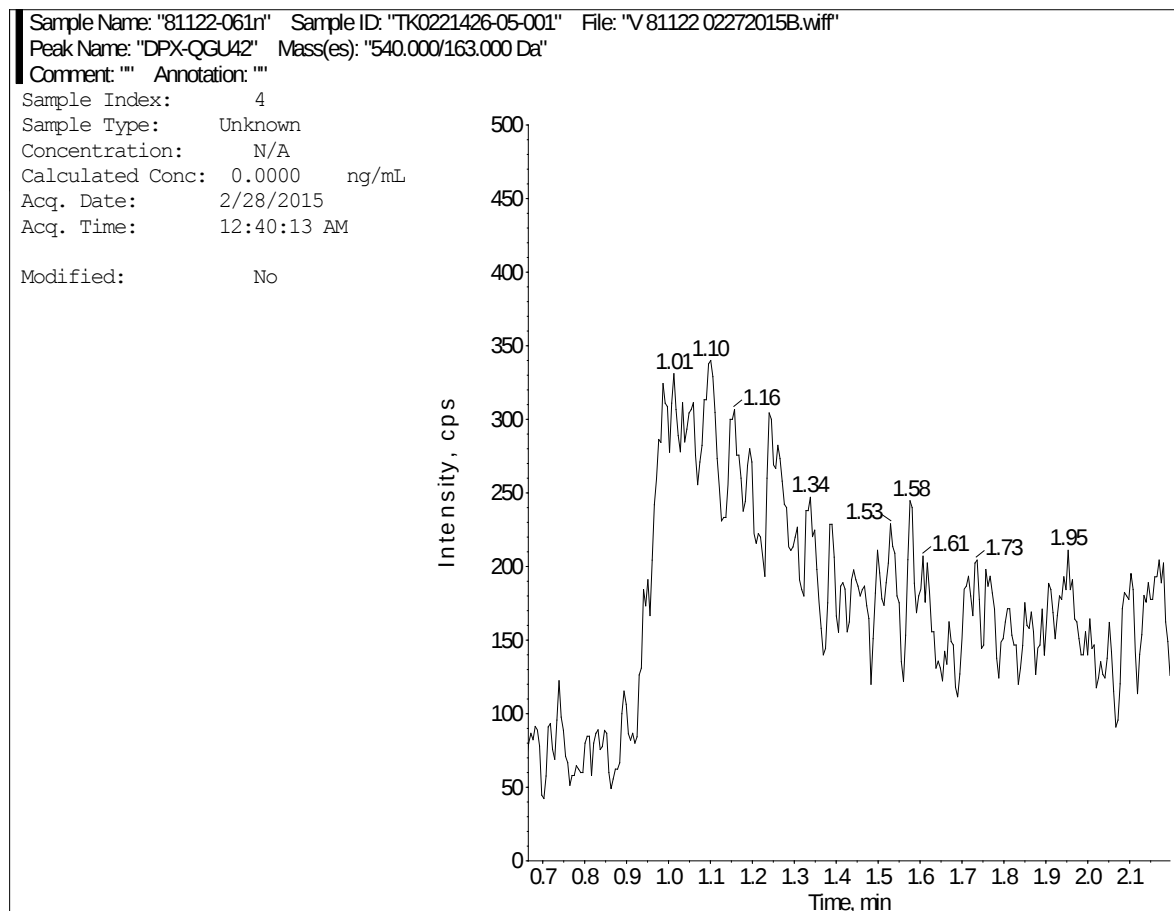
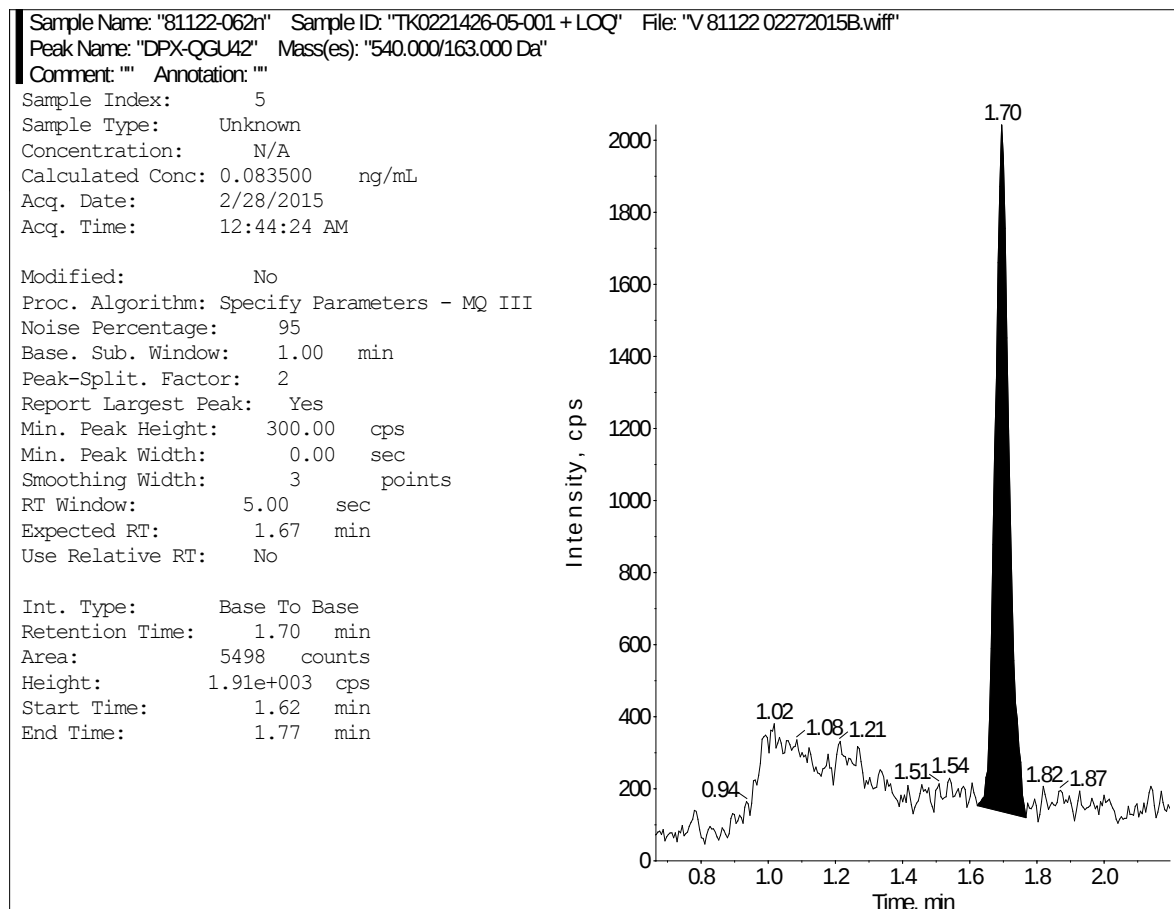


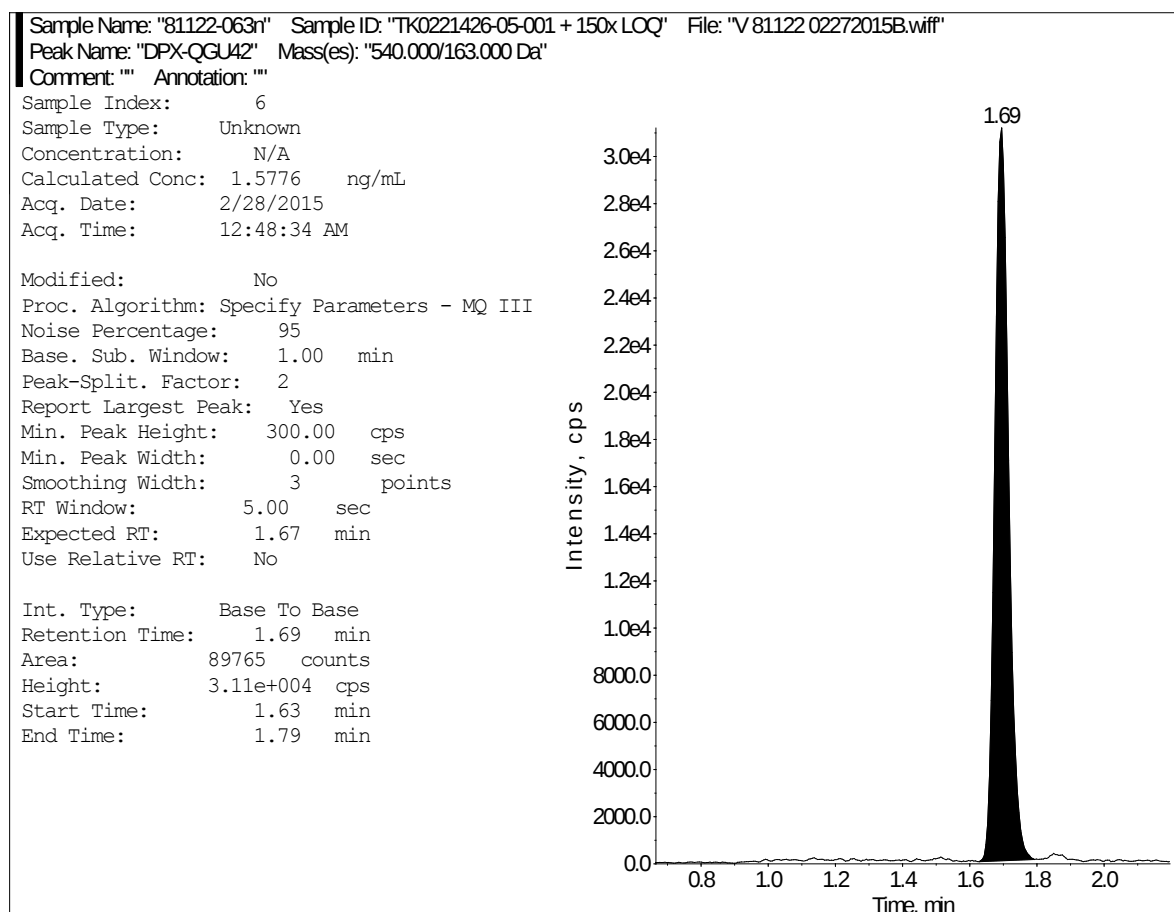
FIGURE 17 Representative Chromatograms – DPX-QGU42 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-05, **DPX-QGU42**, Set #005
- Cabbage, Control Sample 81122-062n, TK0221426-05-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 83%



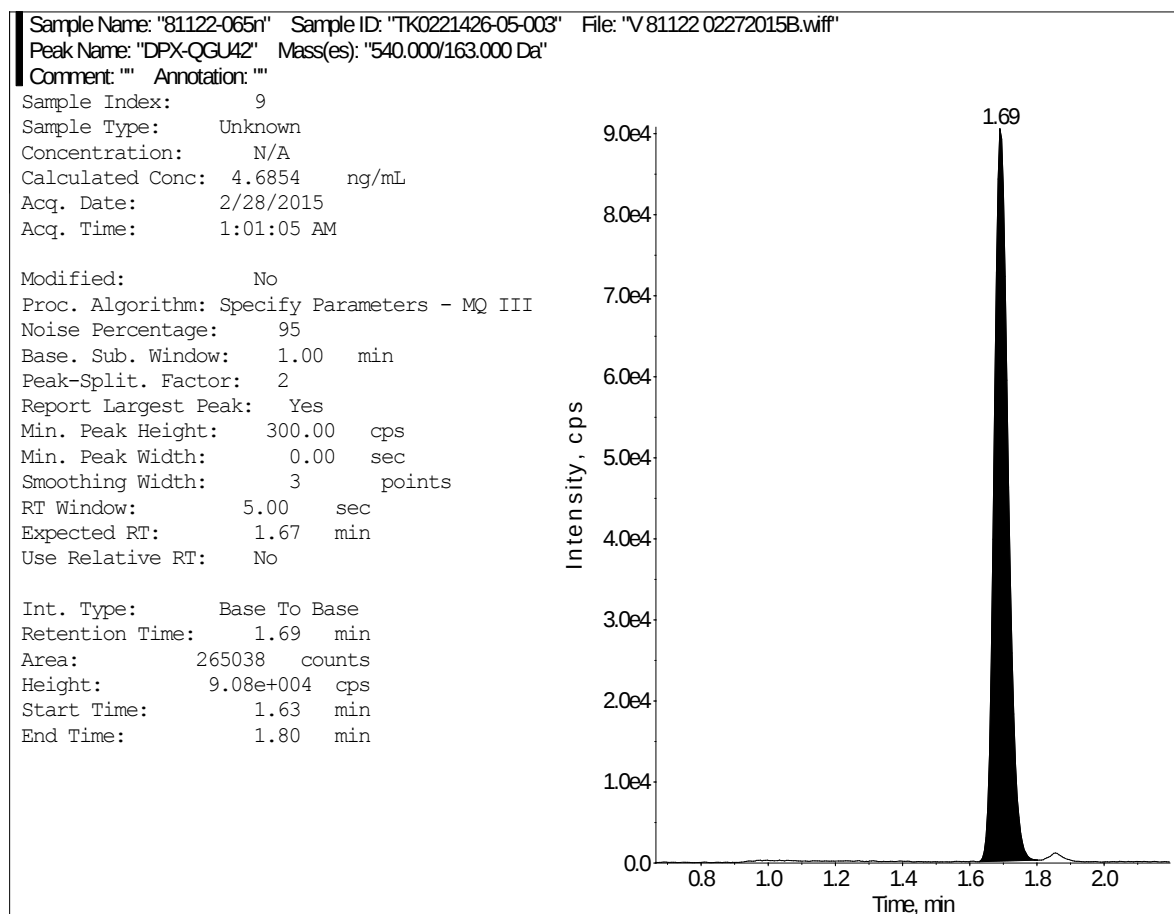
**FIGURE 17 Representative Chromatograms – DPX-QGU42 in or on
Cabbage (continued)**

- Cabbage from Field Trial Number TK0221426-05, **DPX-QGU42**, Set #005
- Cabbage, Control Sample 81122-063n, TK0221426-05-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 105%



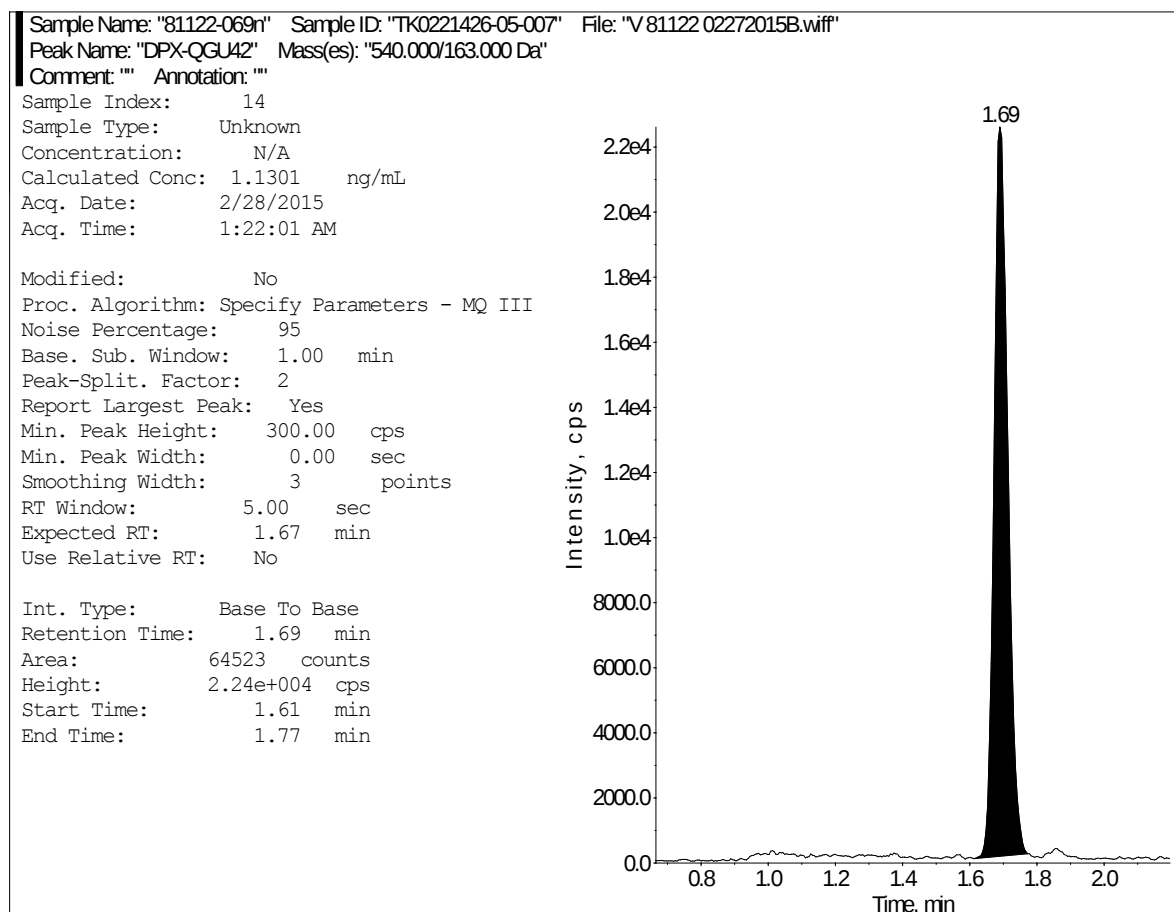
**FIGURE 17 Representative Chromatograms – DPX-QGU42 in or on
Cabbage (continued)**

- Cabbage from Field Trial Number TK0221426-05, **DPX-QGU42**, Set #005
- Cabbage, Treated Sample 81122-065n, TK0221426-05-003, 0.01 g sample/mL
DPX-QGU42 Reported: 0.467 ppm



**FIGURE 17 Representative Chromatograms – DPX-QGU42 in or on
Cabbage (continued)**

- Cabbage from Field Trial Number TK0221426-05, **DPX-QGU42**, Set #005
- Cabbage, Treated Sample 81122-069n, TK0221426-05-007, 0.01 g sample/mL
DPX-QGU42 Reported: 0.112 ppm





Oxathiapiprolin

Oxathiapiprolin OD (A20941A) and Oxathiapiprolin SC (A21008A) – Magnitude of the Residues in or on Brassica Head and Stem Vegetables Raw Agricultural Commodities Resulting from Foliar Applications of OD and SC Formulations - USA, 2014

Final Report

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LABORATORY PROJECT ID: Report Number: TK0221426
ABC Study Number: 81122
Task Number: TK0221426

SPONSOR(S): Syngenta Crop Protection, LLC
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Greensboro, NC 27419-8300 USA

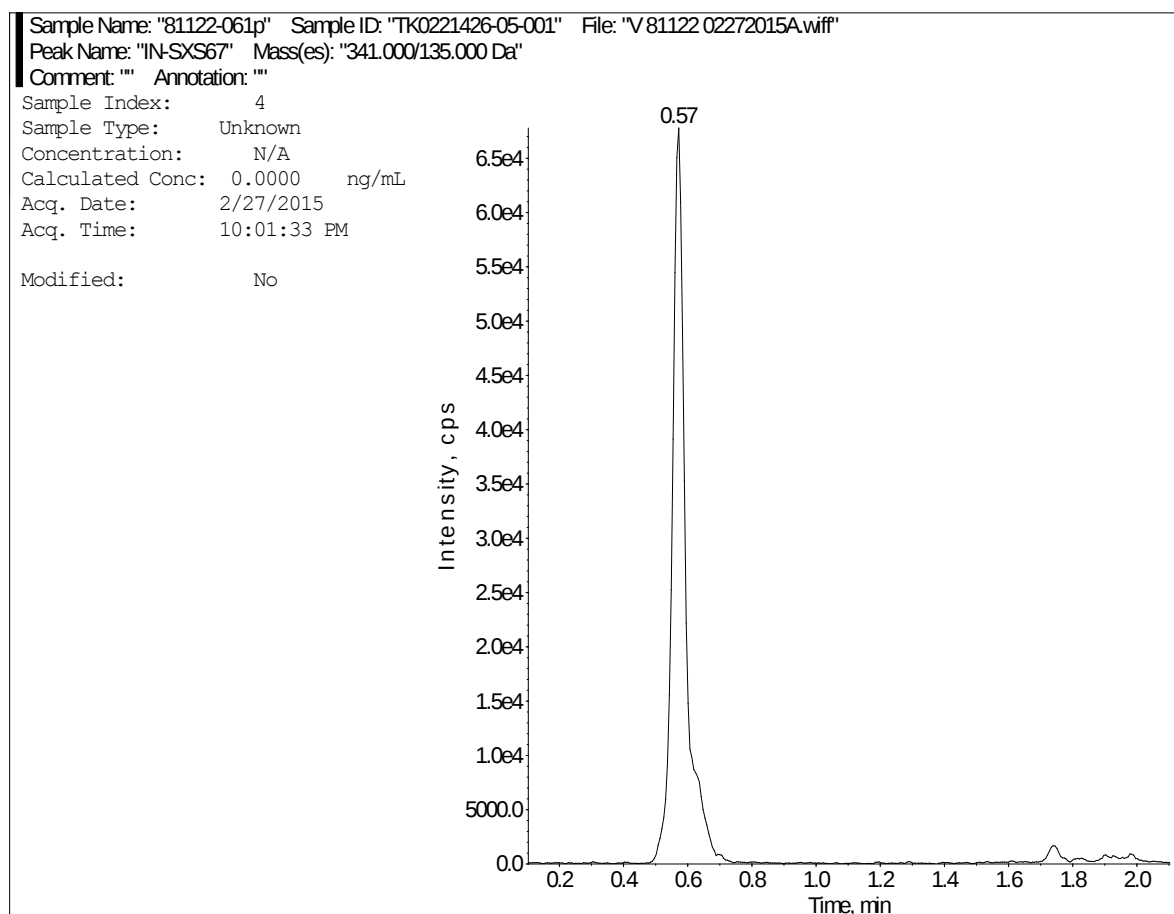
VOLUME 2 OF 2 OF STUDY

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FIGURE 18 Representative Chromatograms – IN-SXS67 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-05, **IN-SXS67**, Set #005
- Cabbage, Control Sample 81122-061p, TK0221426-05-001, 0.01 g sample/mL
Expected Retention Time: 1.10 minutes
IN-SXS67 Reported: None Detected



**FIGURE 18 Representative Chromatograms – IN-SXS67 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-SXS67**, Set #005
- Cabbage, Control Sample 81122-062p, TK0221426-05-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 92%

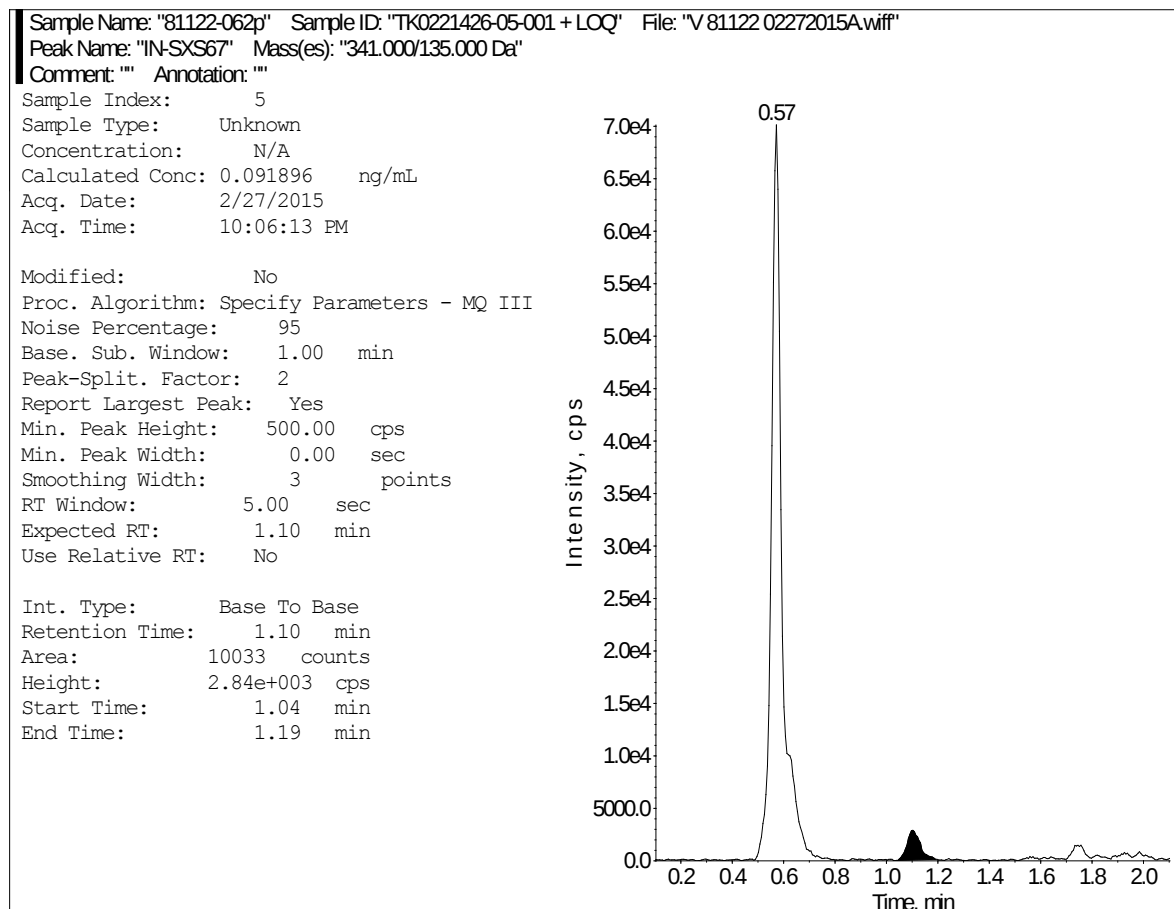
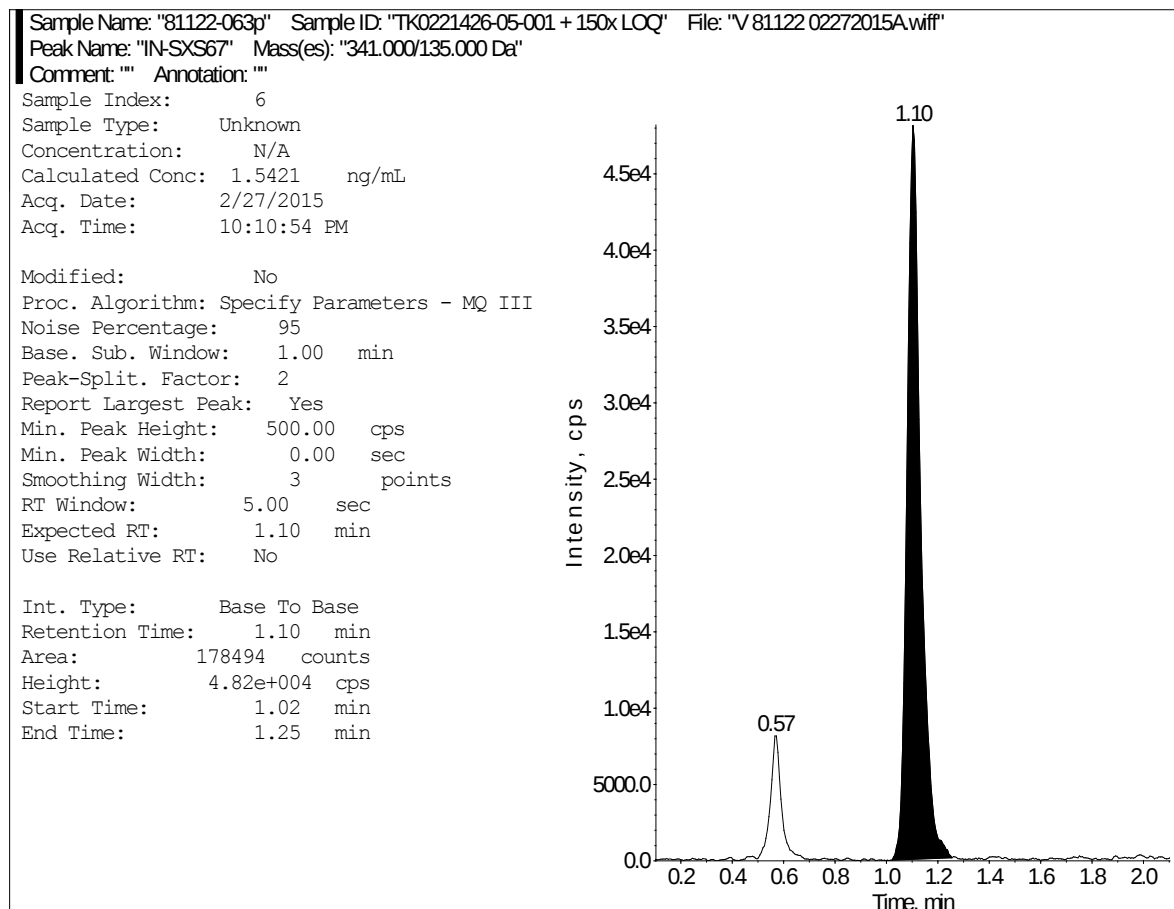


FIGURE 18 Representative Chromatograms – IN-SXS67 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-05, **IN-SXS67**, Set #005
- Cabbage, Control Sample 81122-063p, TK0221426-05-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 102%



**FIGURE 18 Representative Chromatograms – IN-SXS67 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-SXS67**, Set #005
- Cabbage, Treated Sample 81122-064p, TK0221426-05-002, 0.01 g sample/mL
Expected Retention Time: 1.10 minutes
IN-SXS67 Reported: None Detected

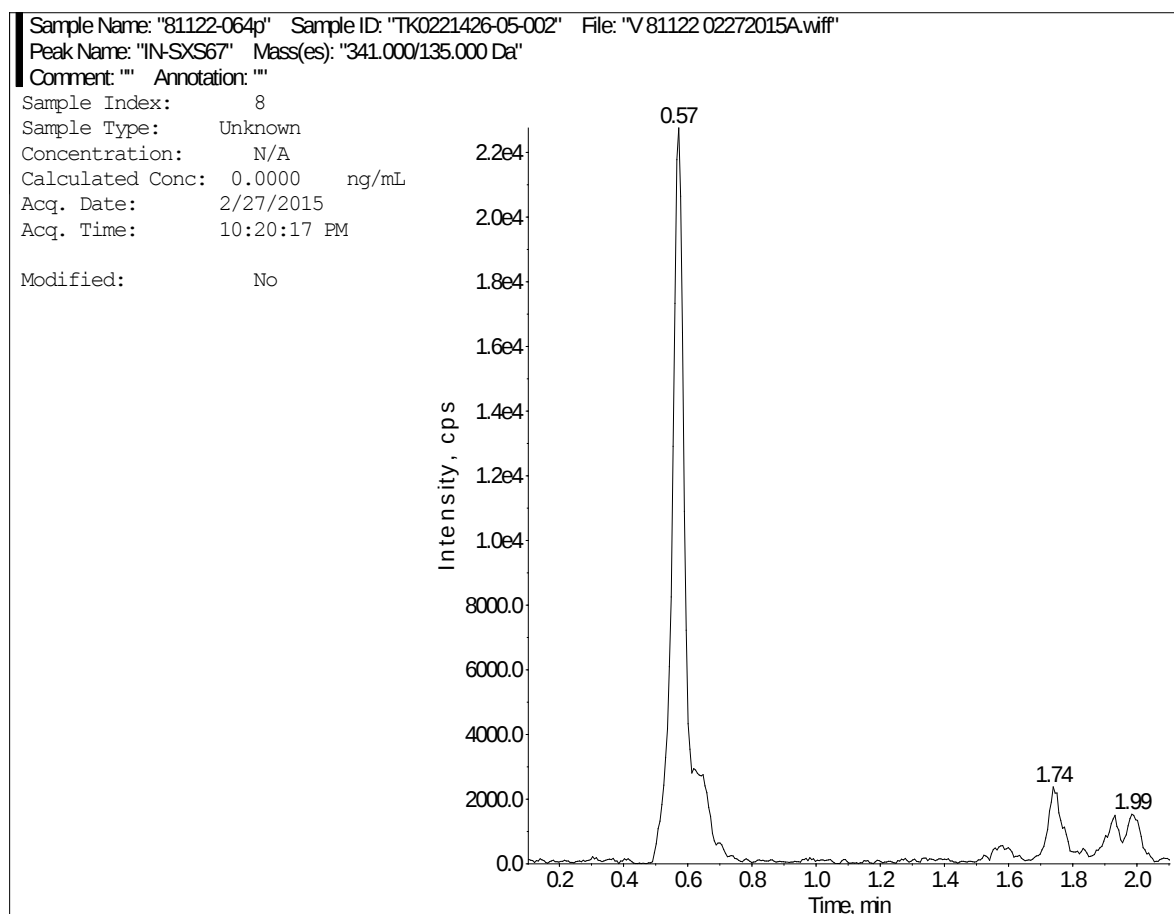
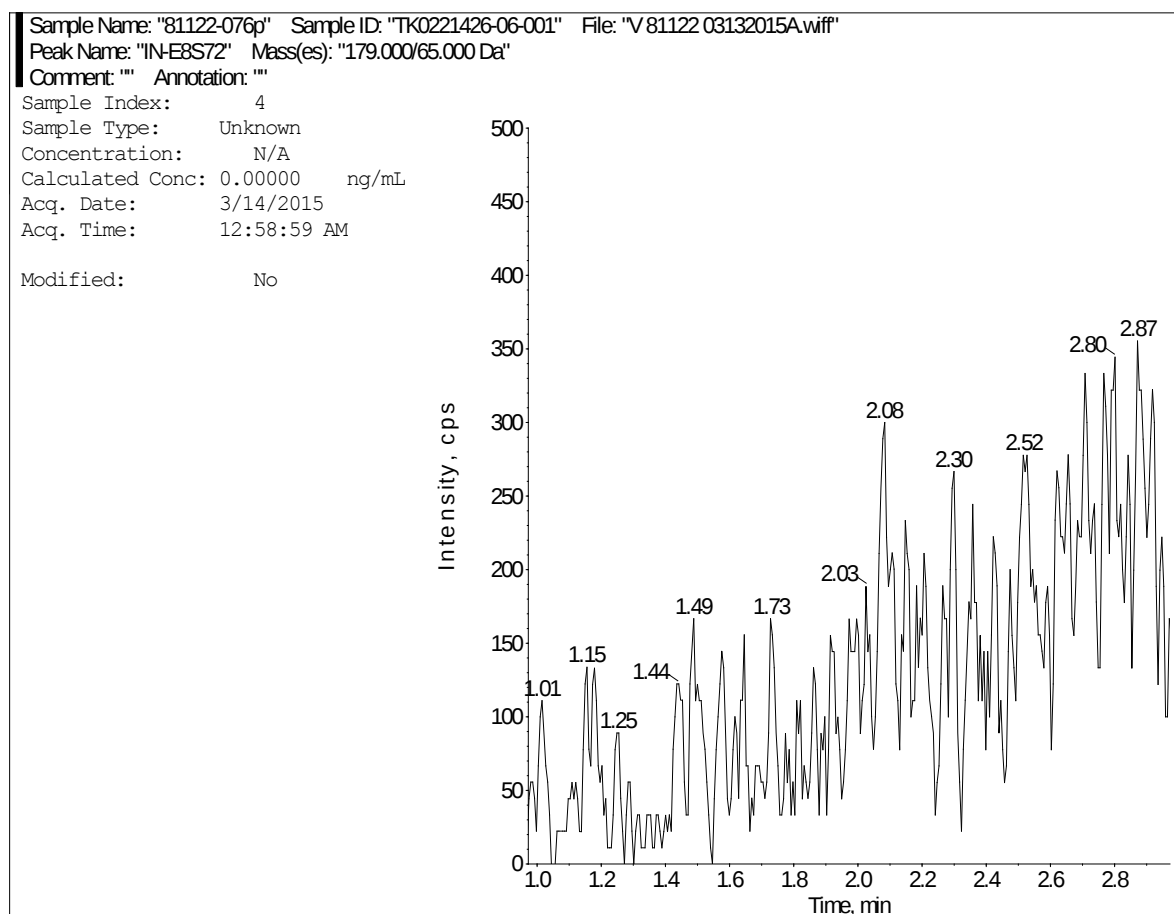


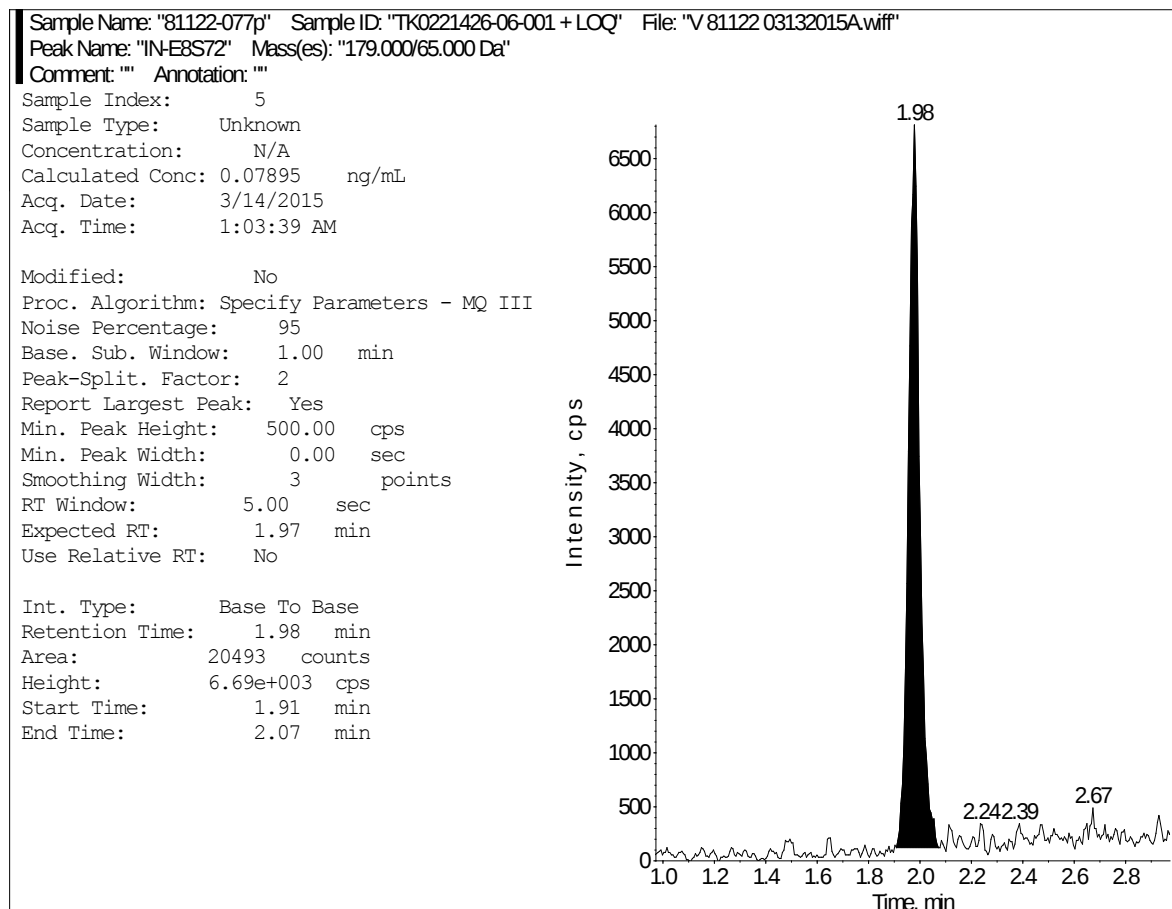
FIGURE 19 Representative Chromatograms – IN-E8S72 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-06, **IN-E8S72**, Set #006
- Cabbage, Control Sample 81122-076p, TK0221426-06-001, 0.01 g sample/mL
Expected Retention Time: 1.97 minutes
IN-E8S72 Reported: None Detected



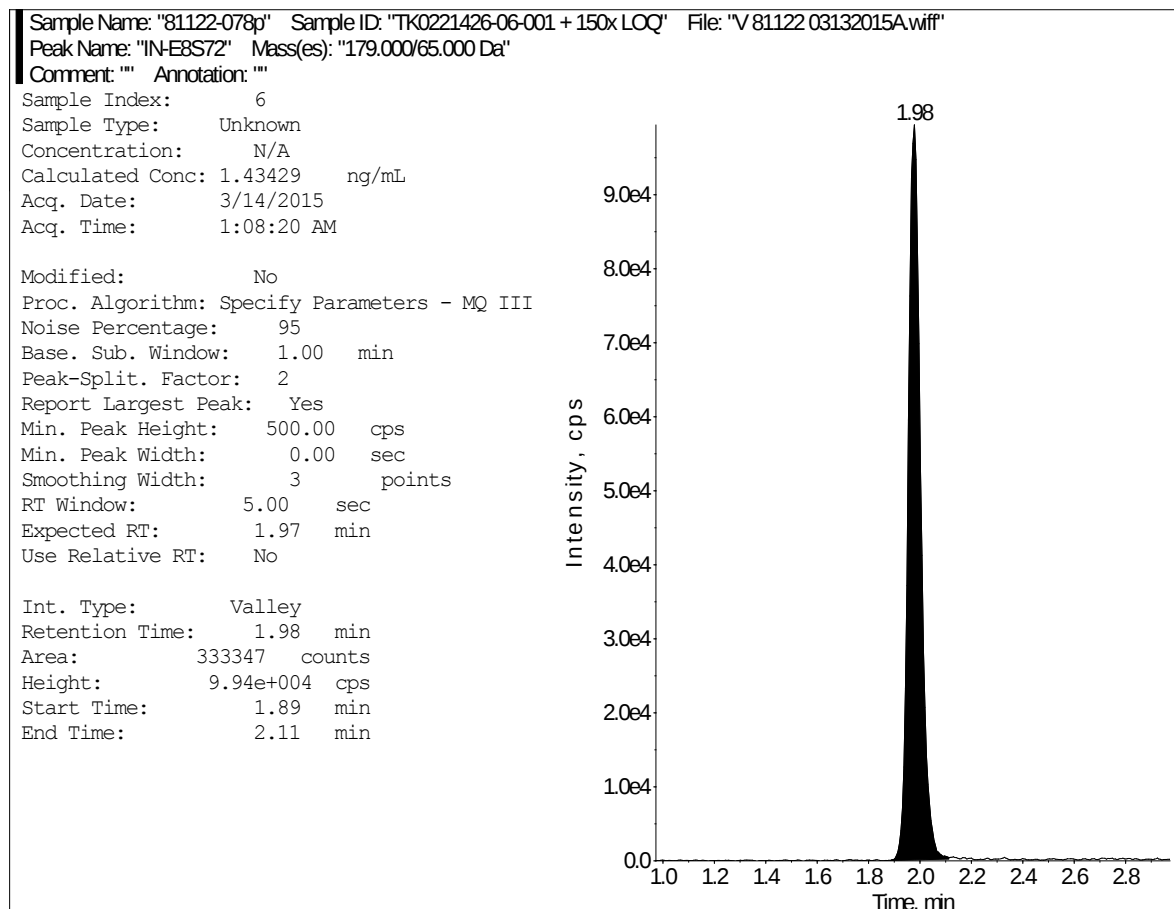
**FIGURE 19 Representative Chromatograms – IN-E8S72 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-E8S72**, Set #006
- Cabbage, Control Sample 81122-077p, TK0221426-06-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 79%



**FIGURE 19 Representative Chromatograms – IN-E8S72 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-E8S72**, Set #006
- Cabbage, Control Sample 81122-078p, TK0221426-06-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 96%



**FIGURE 19 Representative Chromatograms – IN-E8S72 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-E8S72**, Set #006
- Cabbage, Treated Sample 81122-079p, TK0221426-06-002, 0.01 g sample/mL
Expected Retention Time: 1.97 minutes
IN-E8S72 Reported: None Detected

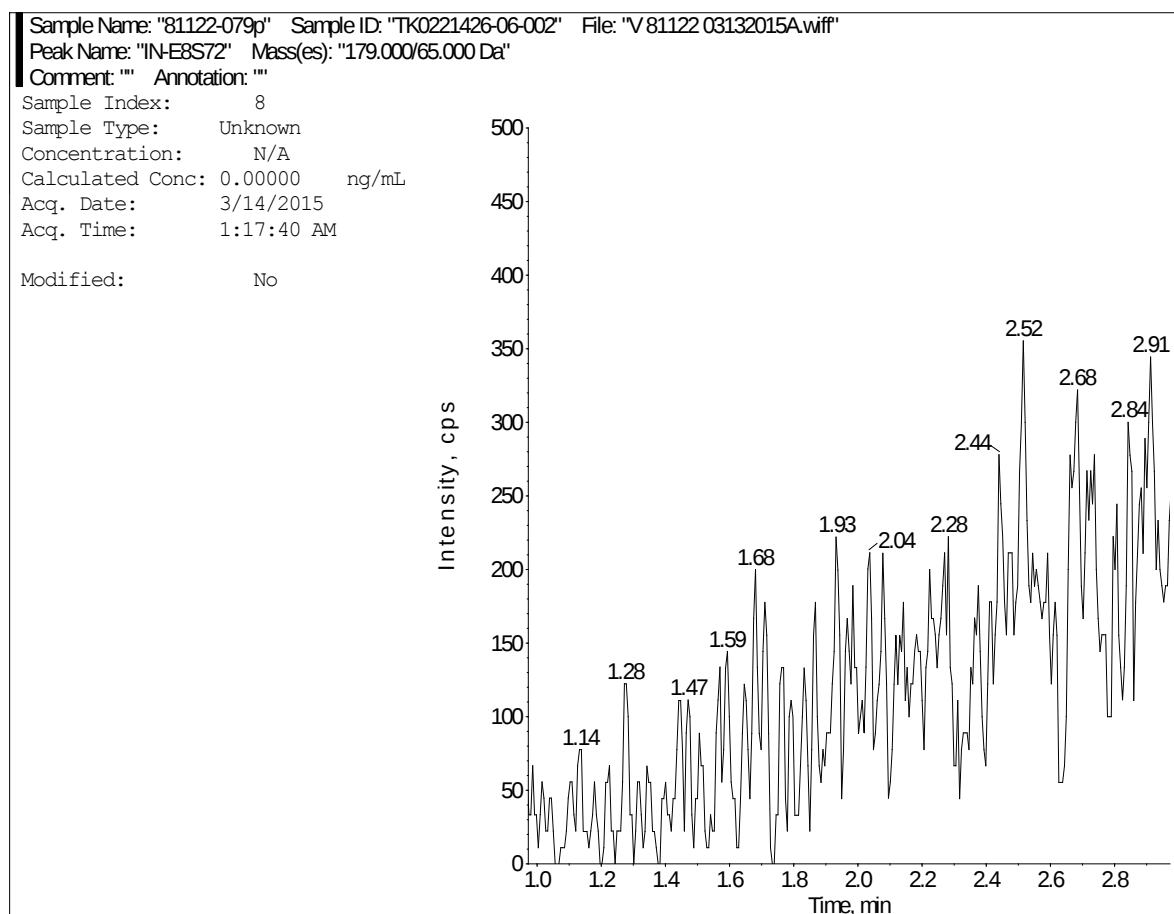
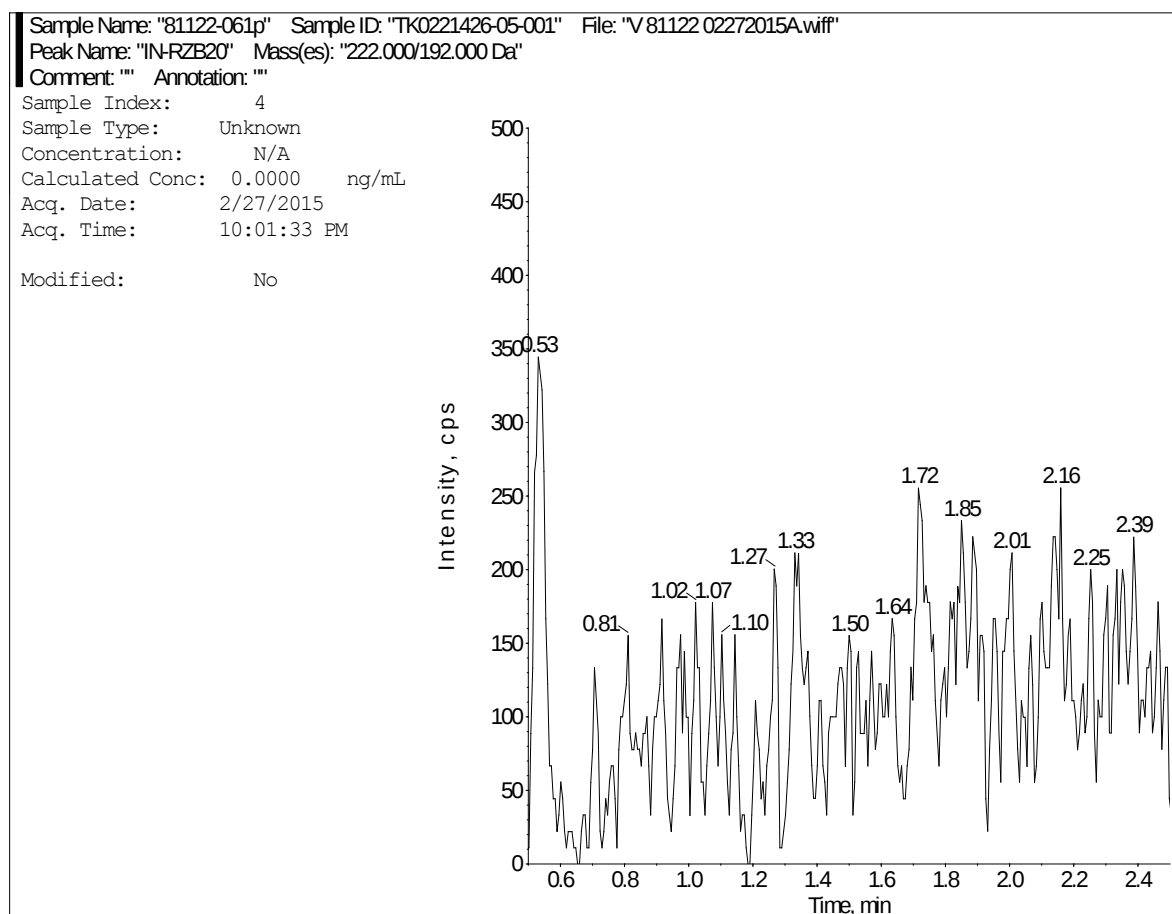


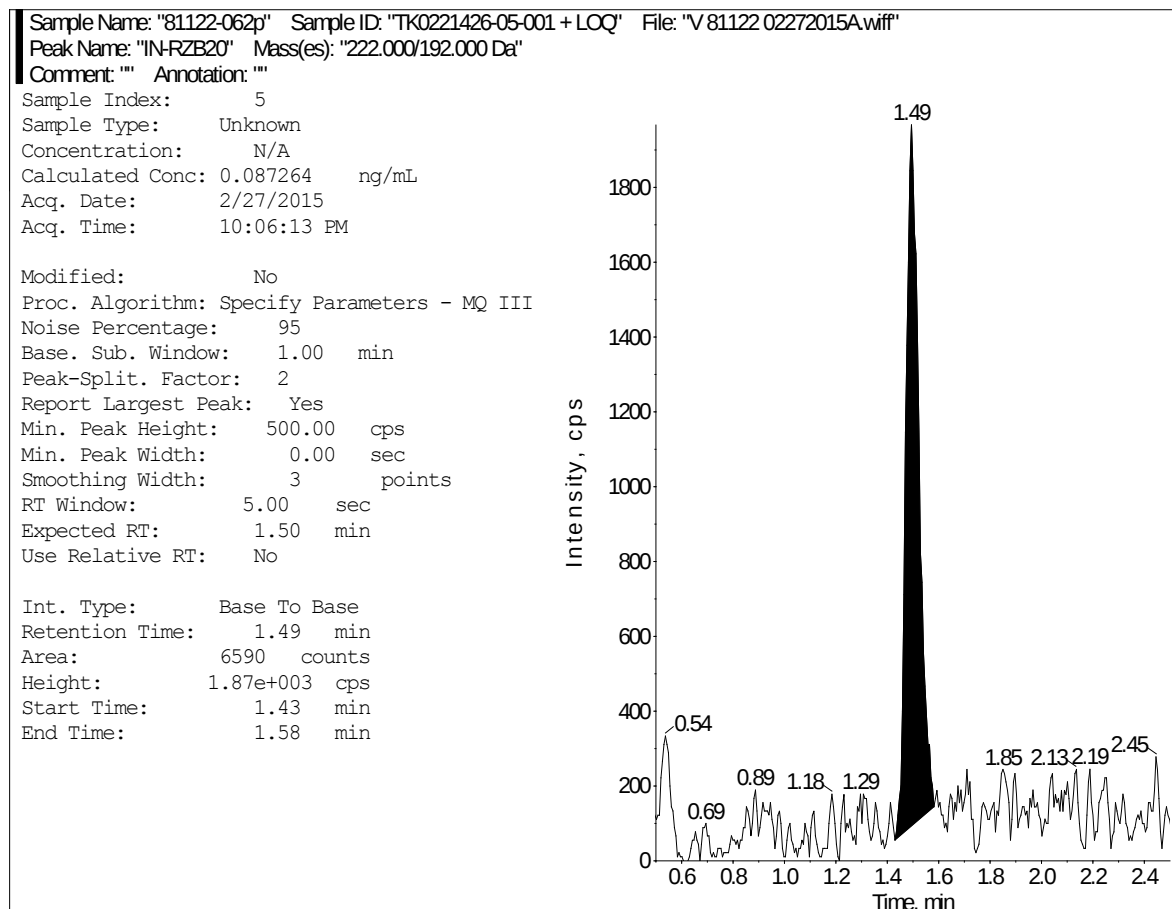
FIGURE 20 Representative Chromatograms – IN-RZB20 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-05, **IN-RZB20**, Set #005
- Cabbage, Control Sample 81122-061p, TK0221426-05-001, 0.01 g sample/mL
Expected Retention Time: 1.50 minutes
IN-RZB20 Reported: None Detected



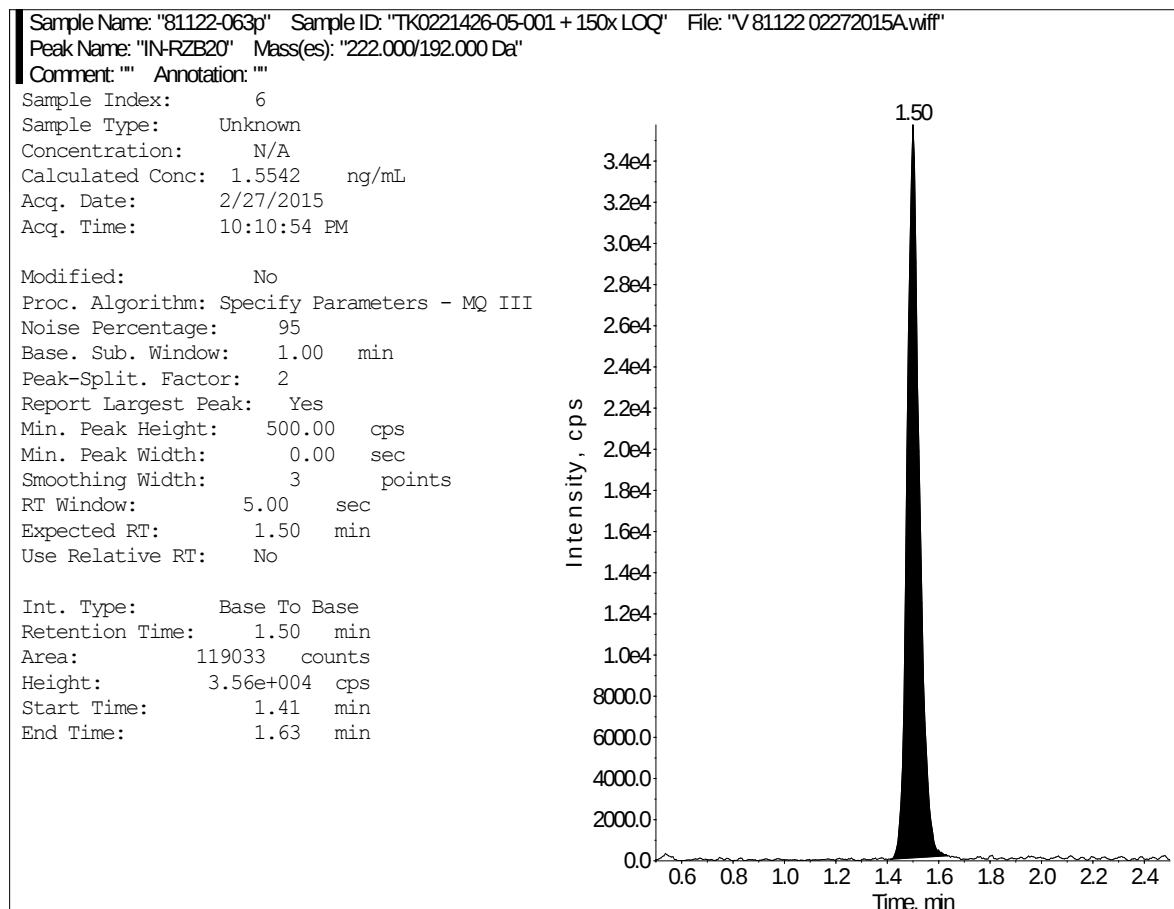
**FIGURE 20 Representative Chromatograms – IN-RZB20 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-RZB20**, Set #005
- Cabbage, Control Sample 81122-062p, TK0221426-05-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 87%



**FIGURE 20 Representative Chromatograms – IN-RZB20 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-RZB20**, Set #005
- Cabbage, Control Sample 81122-063p, TK0221426-05-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 103%



**FIGURE 20 Representative Chromatograms – IN-RZB20 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-RZB20**, Set #005
- Cabbage, Treated Sample 81122-065p, TK0221426-05-003, 0.01 g sample/mL
Expected Retention Time: 1.50 minutes
IN-RZB20 Reported: None Detected

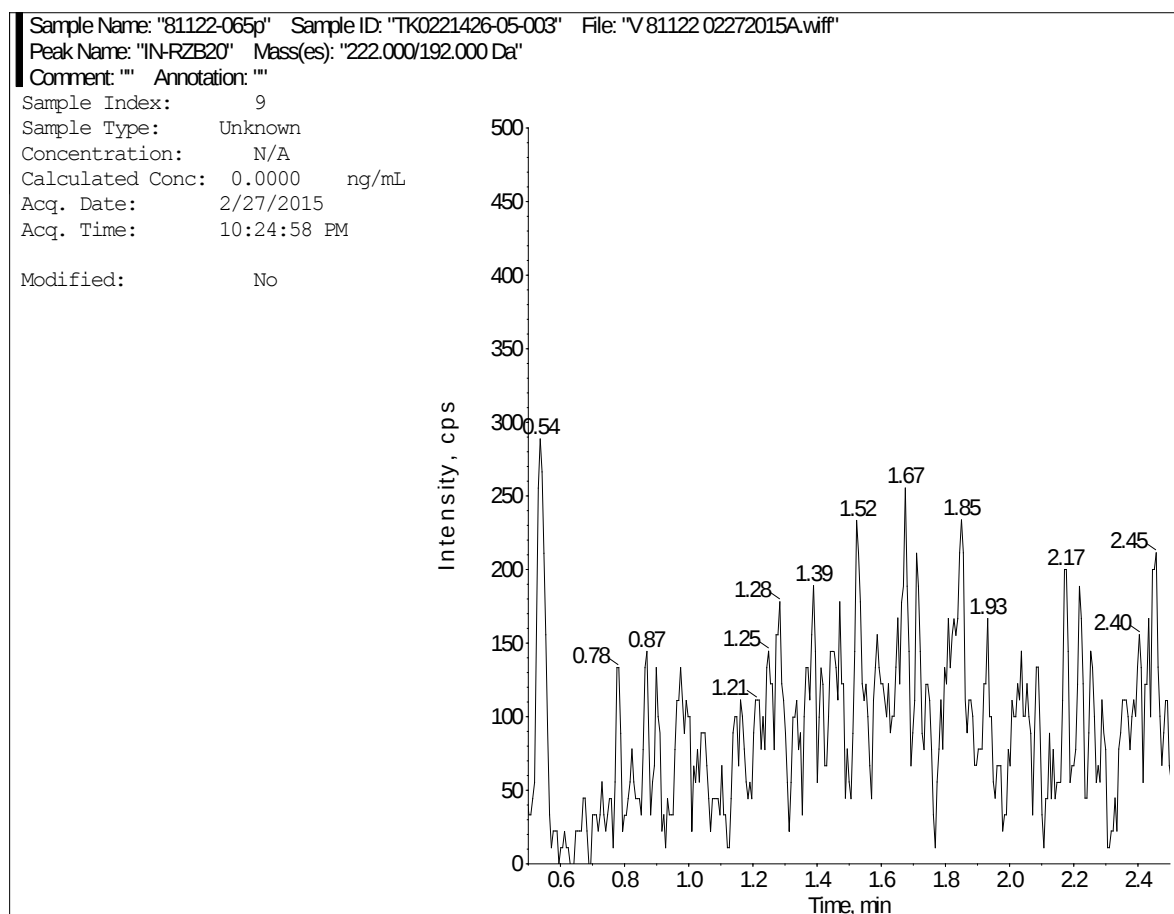


FIGURE 21 Representative Chromatograms – IN-RZD74 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-06, **IN-RZD74**, Set #006
- Cabbage, Control Sample 81122-076p, TK0221426-06-001, 0.01 g sample/mL
Expected Retention Time: 1.75 minutes
IN-RZD74 Reported: None Detected

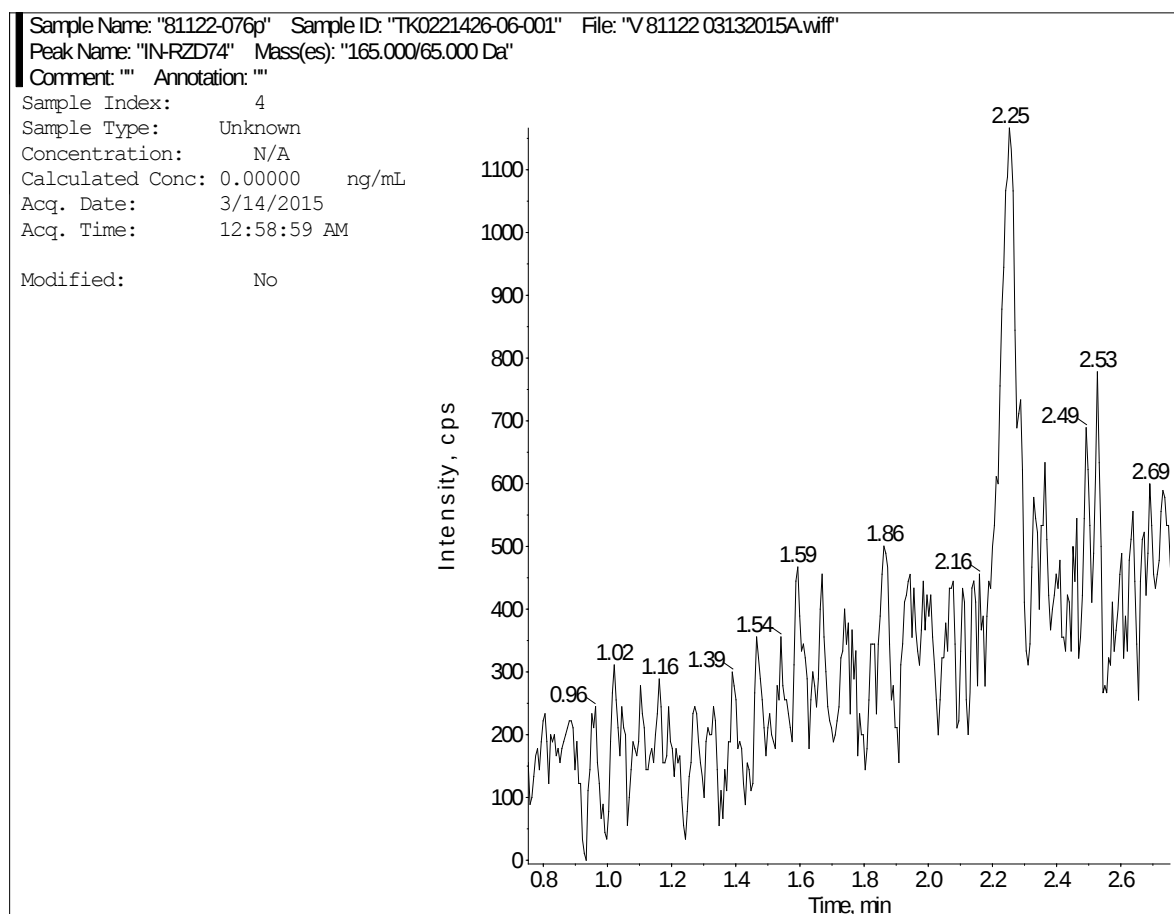


FIGURE 21 Representative Chromatograms – IN-RZD74 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-06, **IN-RZD74**, Set #006
- Cabbage, Control Sample 81122-077p, TK0221426-06-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 93%

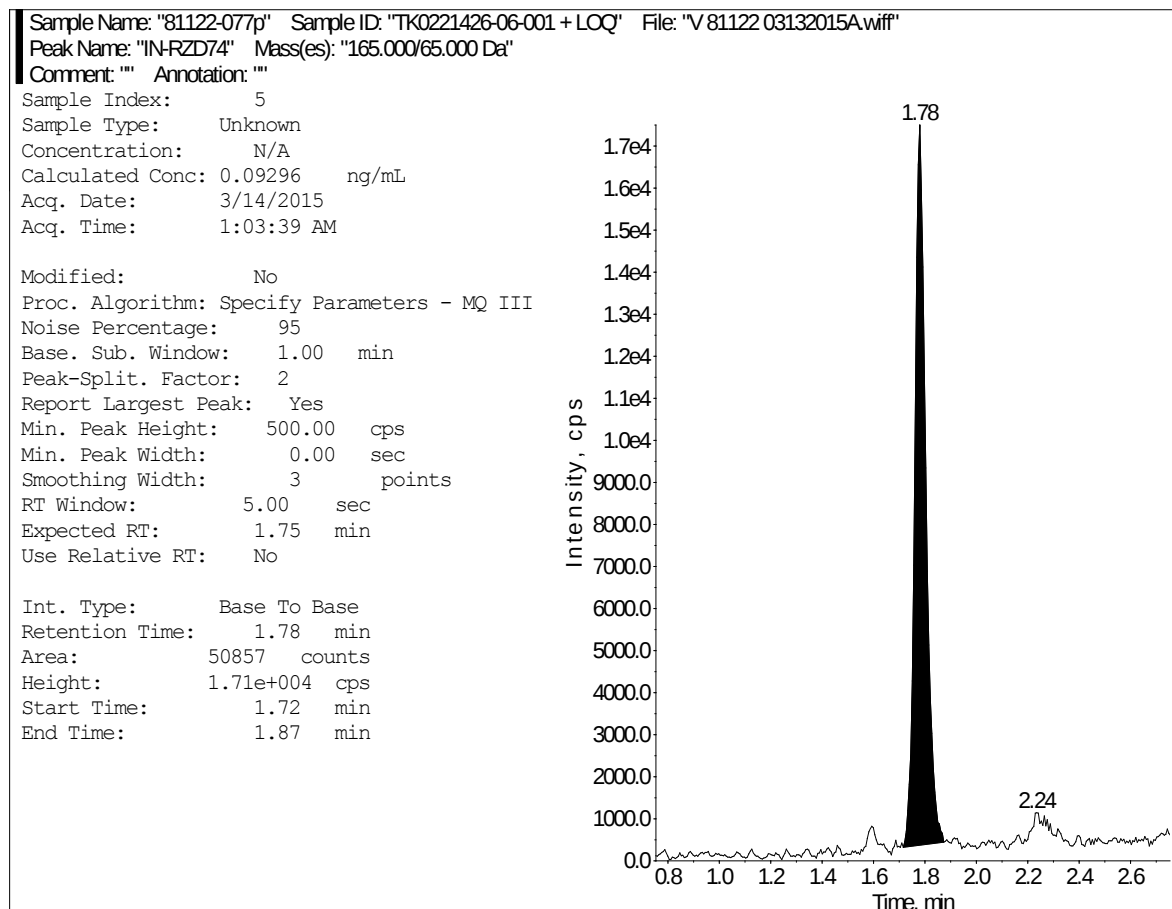
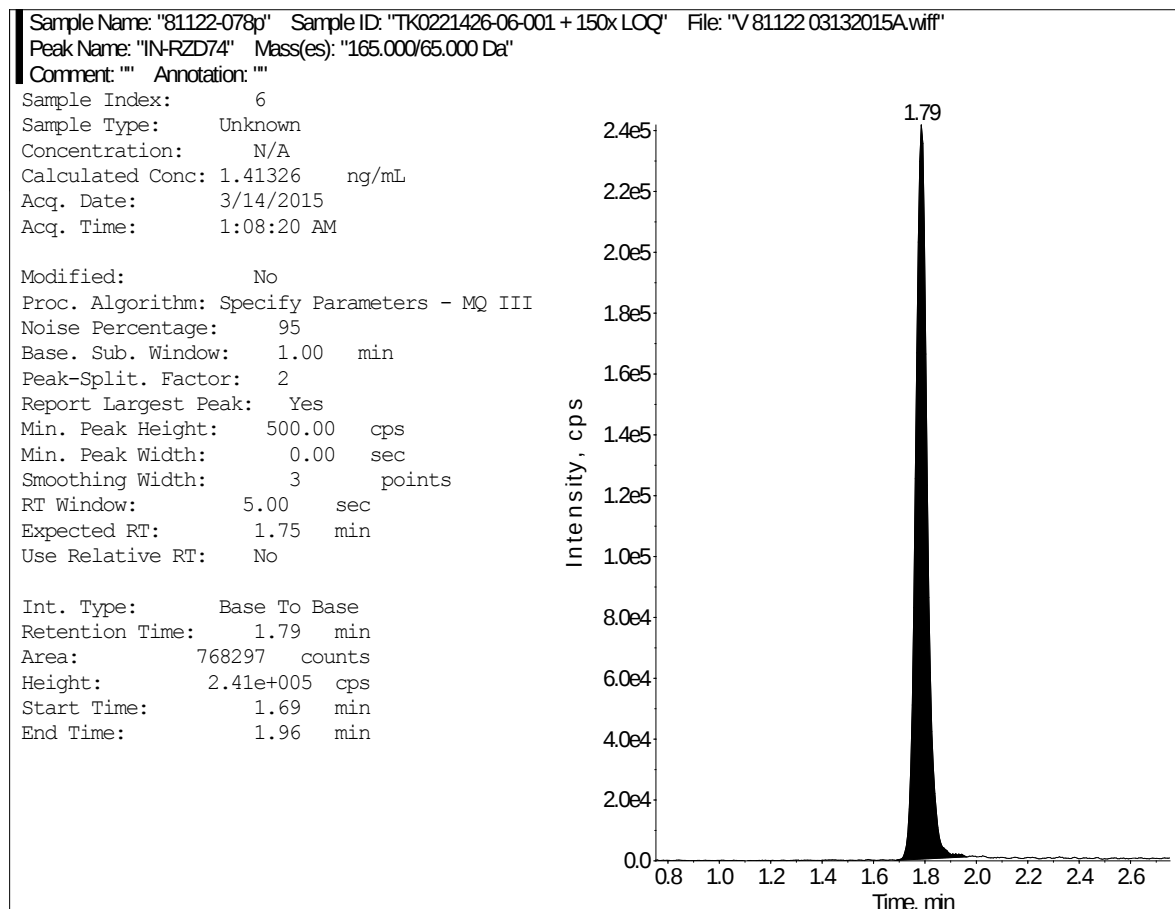


FIGURE 21 Representative Chromatograms – IN-RZD74 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-06, **IN-RZD74**, Set #006
- Cabbage, Control Sample 81122-078p, TK0221426-06-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 94%



**FIGURE 21 Representative Chromatograms – IN-RZD74 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-RZD74**, Set #006
- Cabbage, Treated Sample 81122-083p, TK0221426-06-006, 0.01 g sample/mL
Expected Retention Time: 1.75 minutes
IN-RZD74 Reported: None Detected

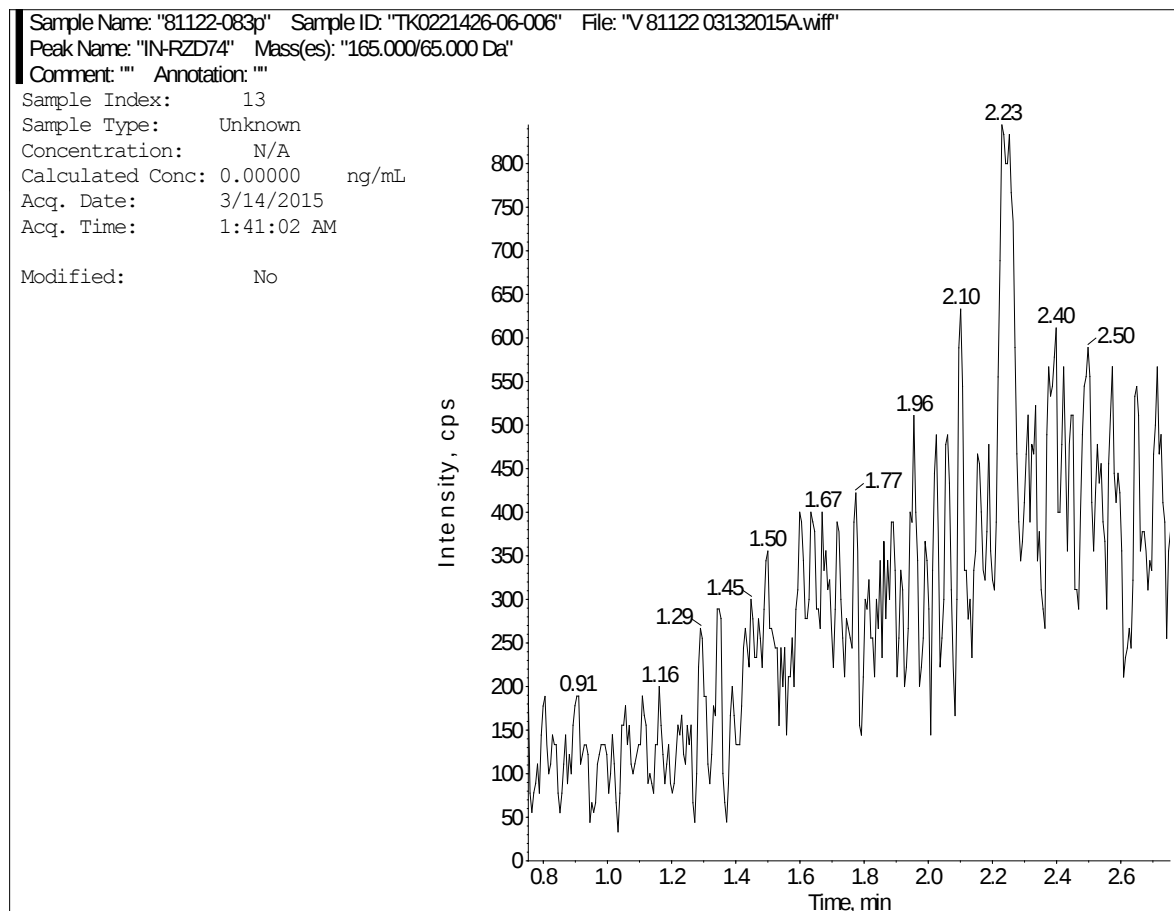


FIGURE 22 Representative Chromatograms – IN-WR791 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-05, **IN-WR791**, Set #005
- Cabbage, Control Sample 81122-061p, TK0221426-05-001, 0.01 g sample/mL
Expected Retention Time: 2.45 minutes
IN-WR791 Reported: None Detected

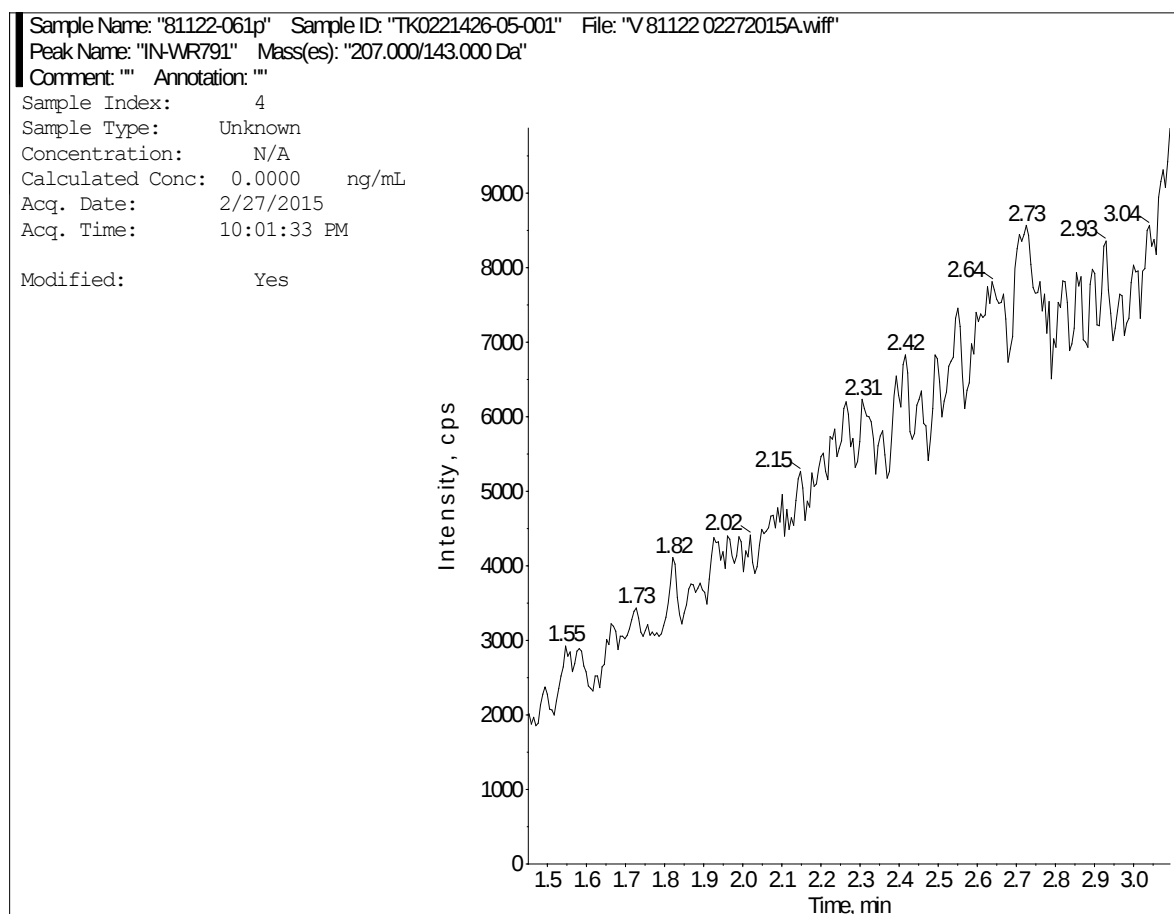
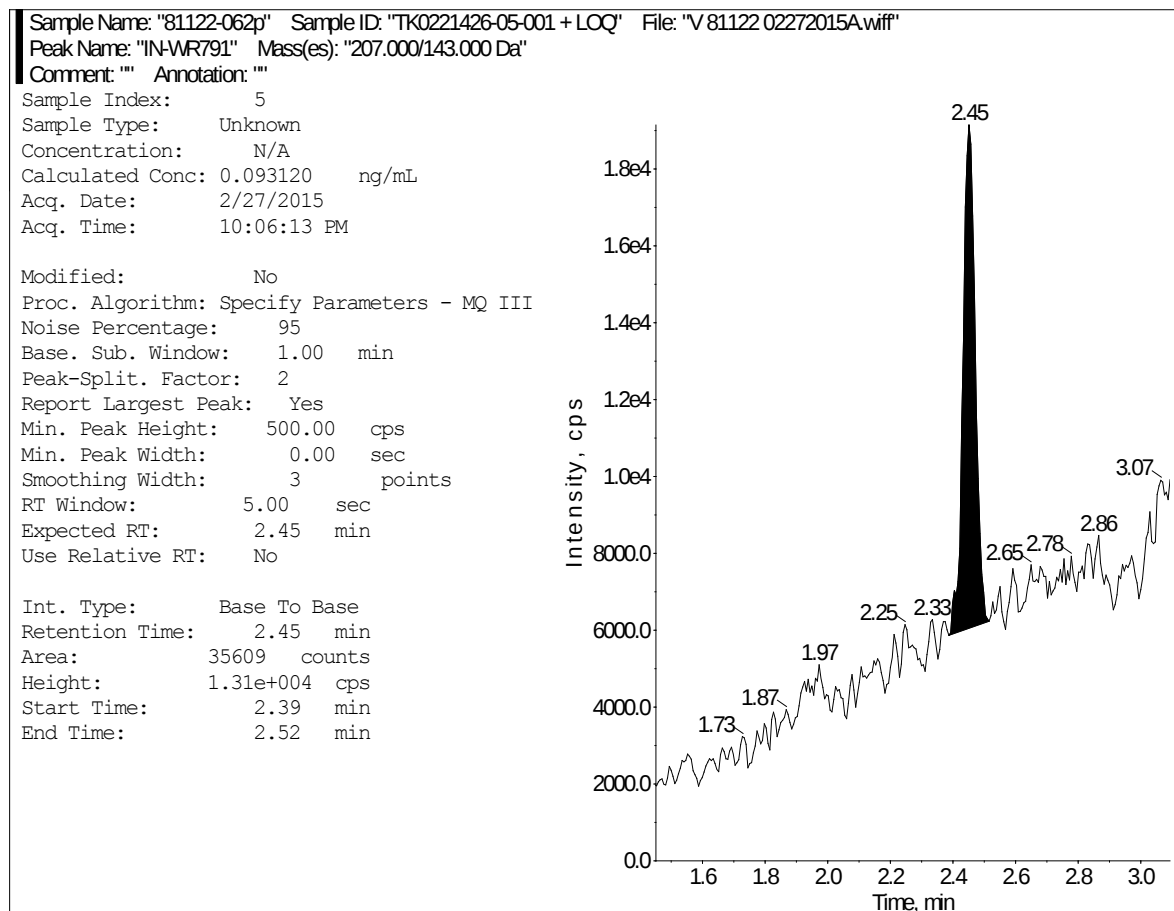


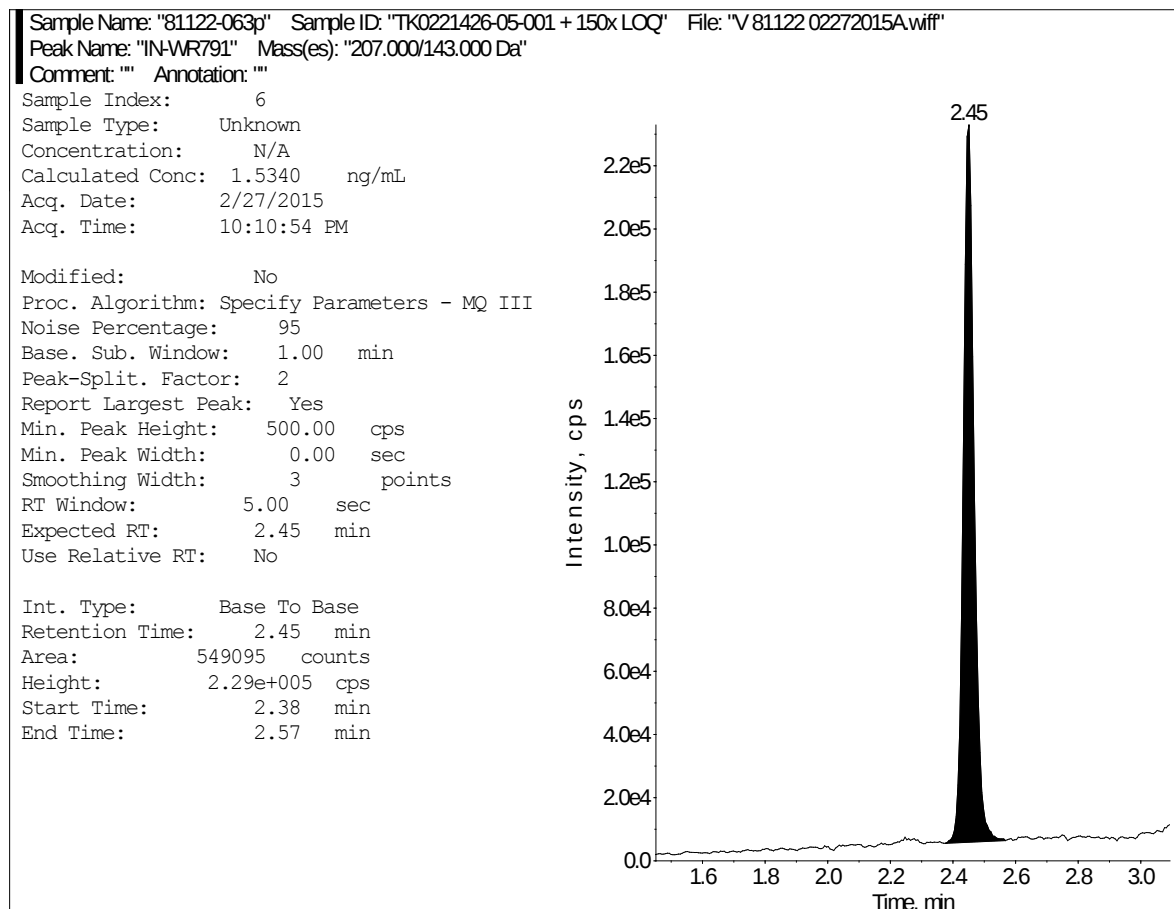
FIGURE 22 Representative Chromatograms – IN-WR791 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-05, **IN-WR791**, Set #005
- Cabbage, Control Sample 81122-062p, TK0221426-05-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 93%



**FIGURE 22 Representative Chromatograms – IN-WR791 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-WR791**, Set #005
- Cabbage, Control Sample 81122-063p, TK0221426-05-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 102%



**FIGURE 22 Representative Chromatograms – IN-WR791 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-WR791**, Set #005
- Cabbage, Treated Sample 81122-064p, TK0221426-05-002, 0.01 g sample/mL
Expected Retention Time: 2.45 minutes
IN-WR791 Reported: None Detected

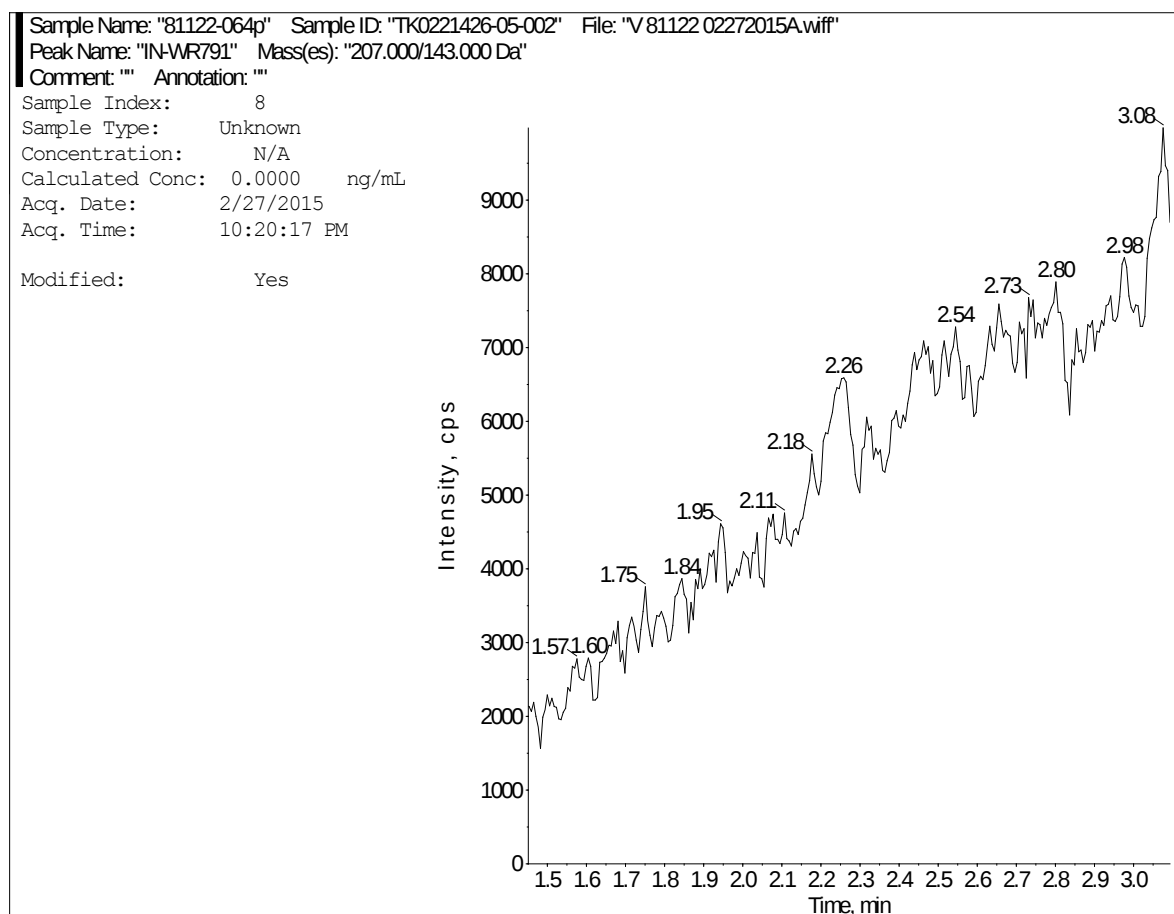


FIGURE 22 Representative Chromatograms – IN-WR791 in or on Cabbage (continued)

- Cabbage from Field Trial Number TK0221426-05, **IN-WR791**, Set #005
- Cabbage, Treated Sample 81122-068p, TK0221426-05-006, 0.01 g sample/mL
IN-WR791 Reported: <0.01 ppm

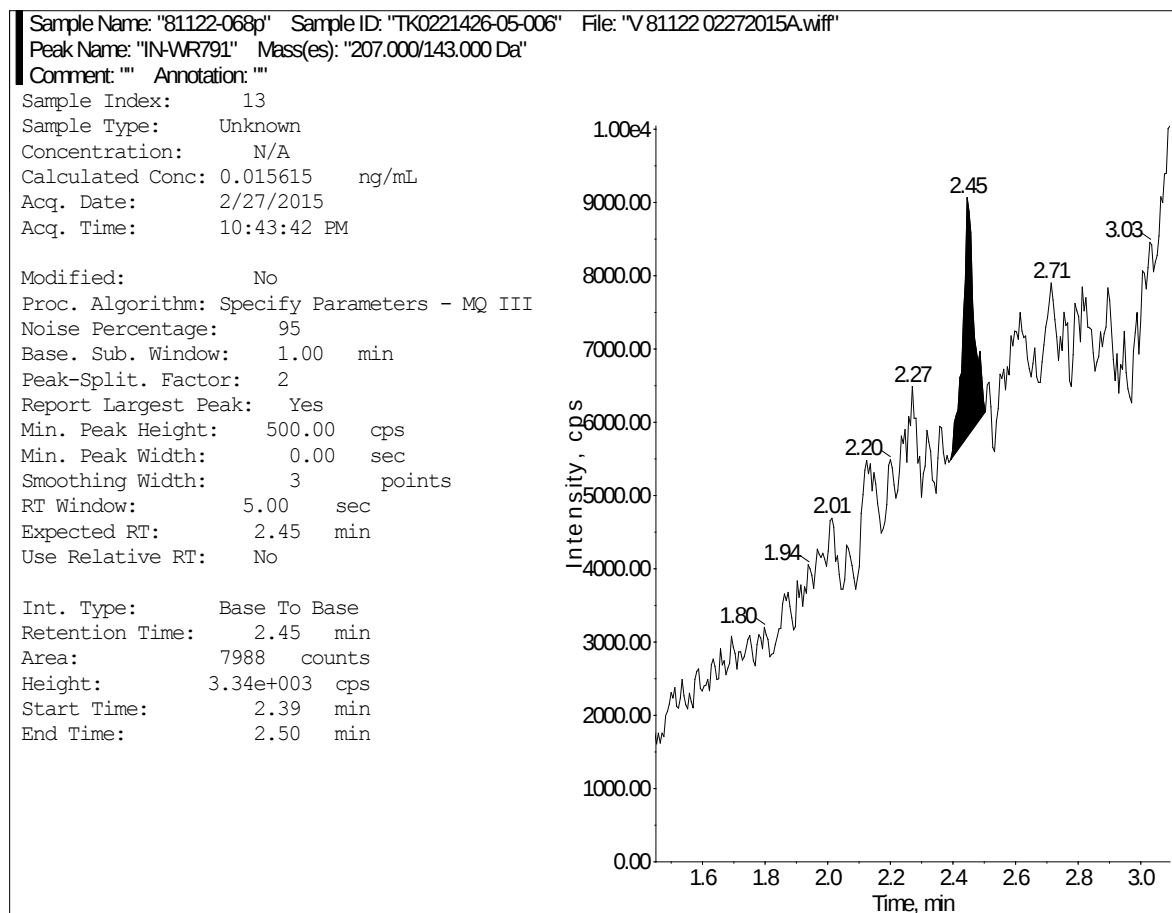
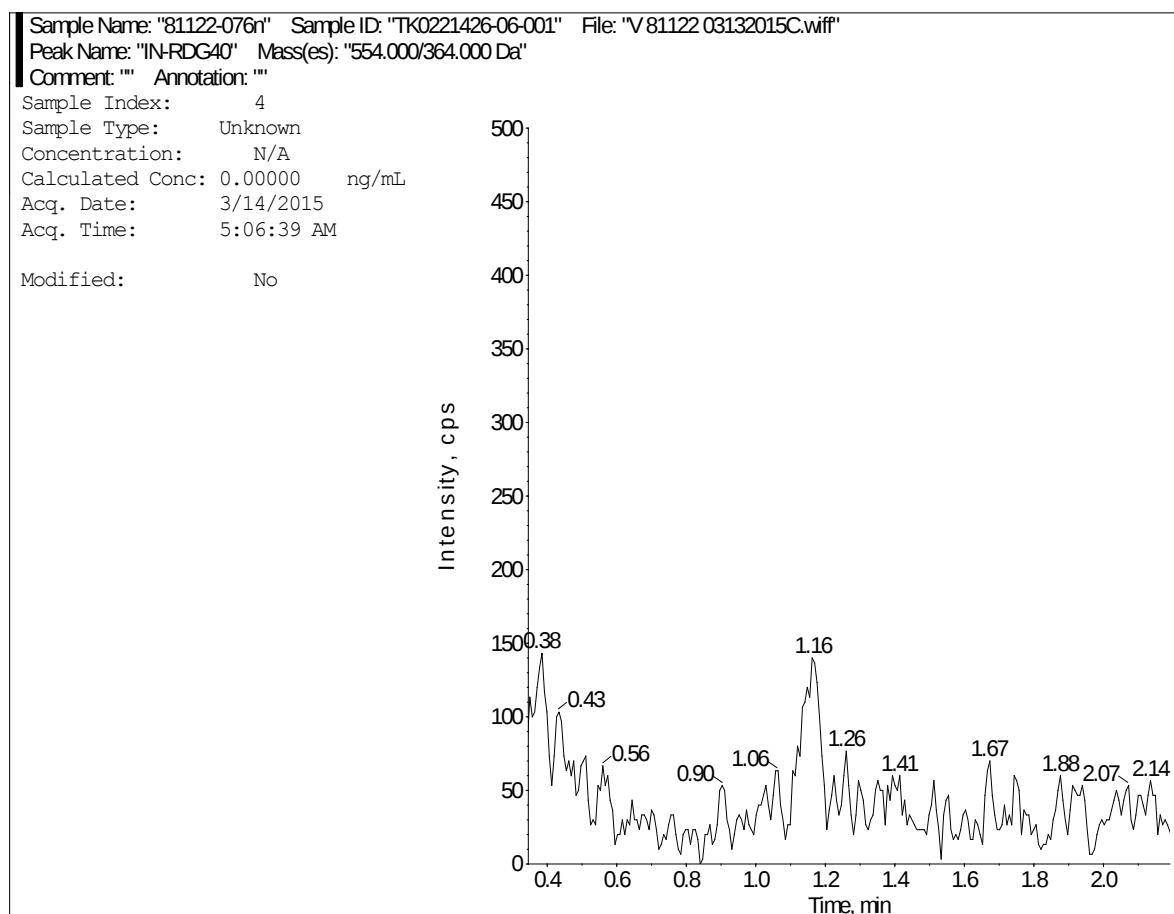


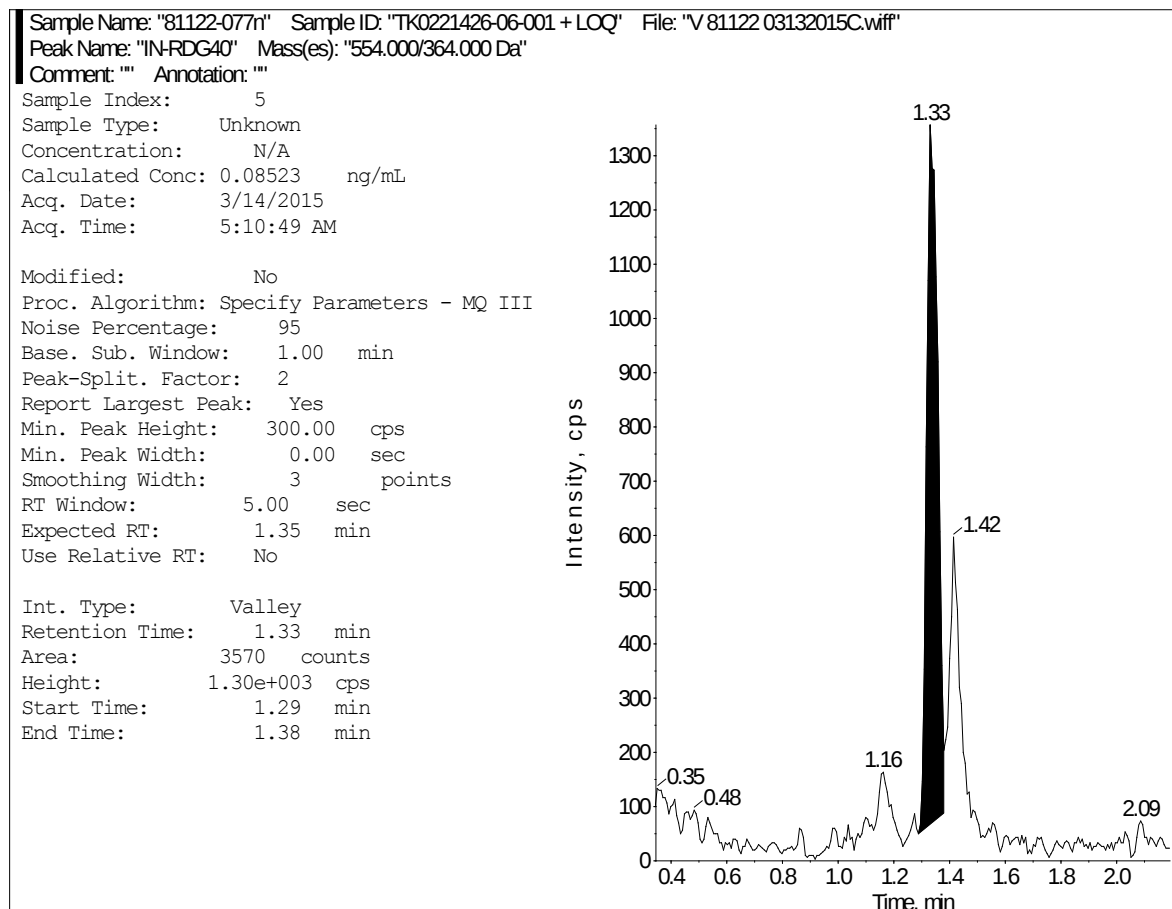
FIGURE 23 Representative Chromatograms – IN-RDG40 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-06, **IN-RDG40**, Set #006
- Cabbage, Control Sample 81122-076n, TK0221426-06-001, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected



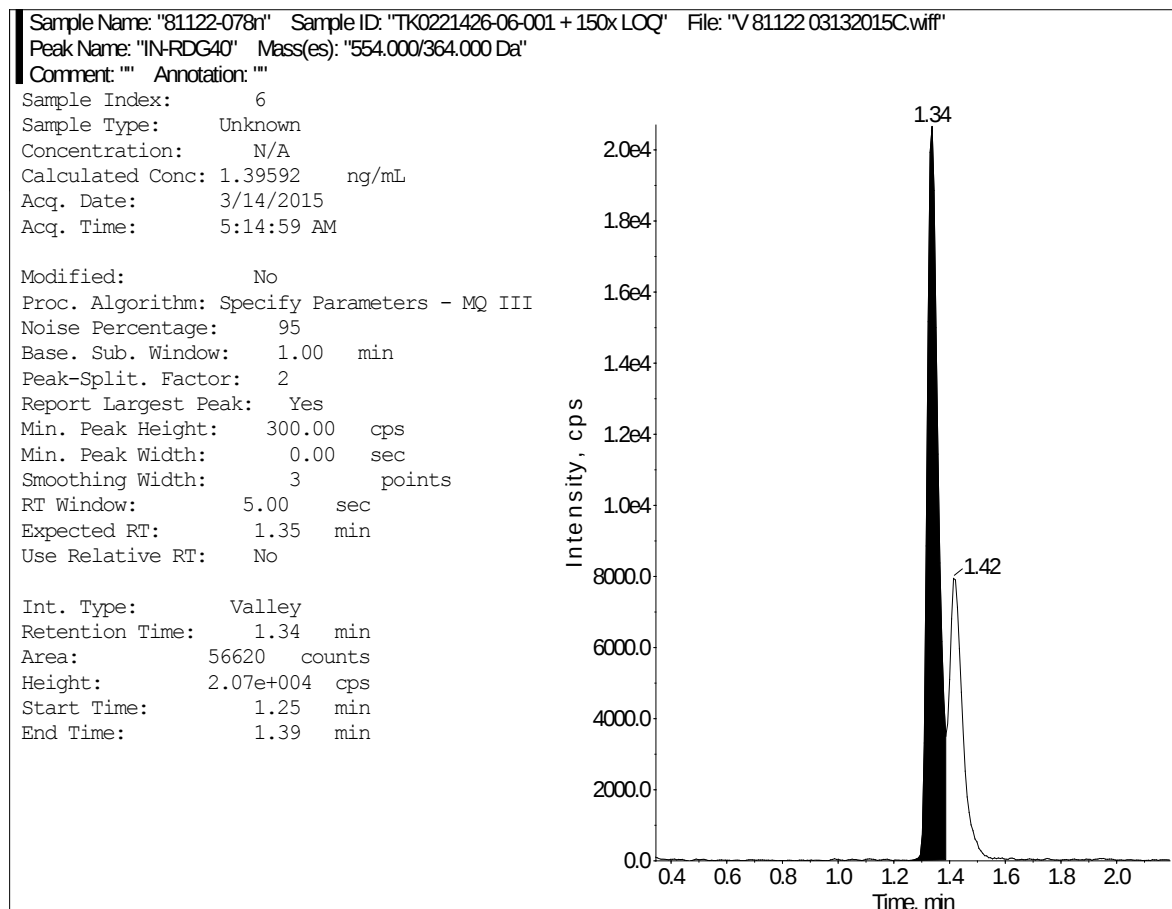
**FIGURE 23 Representative Chromatograms – IN-RDG40 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-RDG40**, Set #006
- Cabbage, Control Sample 81122-077n, TK0221426-06-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 85%



**FIGURE 23 Representative Chromatograms – IN-RDG40 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-RDG40**, Set #006
- Cabbage, Control Sample 81122-078n, TK0221426-06-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 93%



**FIGURE 23 Representative Chromatograms – IN-RDG40 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-06, **IN-RDG40**, Set #006
- Cabbage, Treated Sample 81122-079n, TK0221426-06-002, 0.01 g sample/mL
Expected Retention Time: 1.35 minutes
IN-RDG40 Reported: None Detected

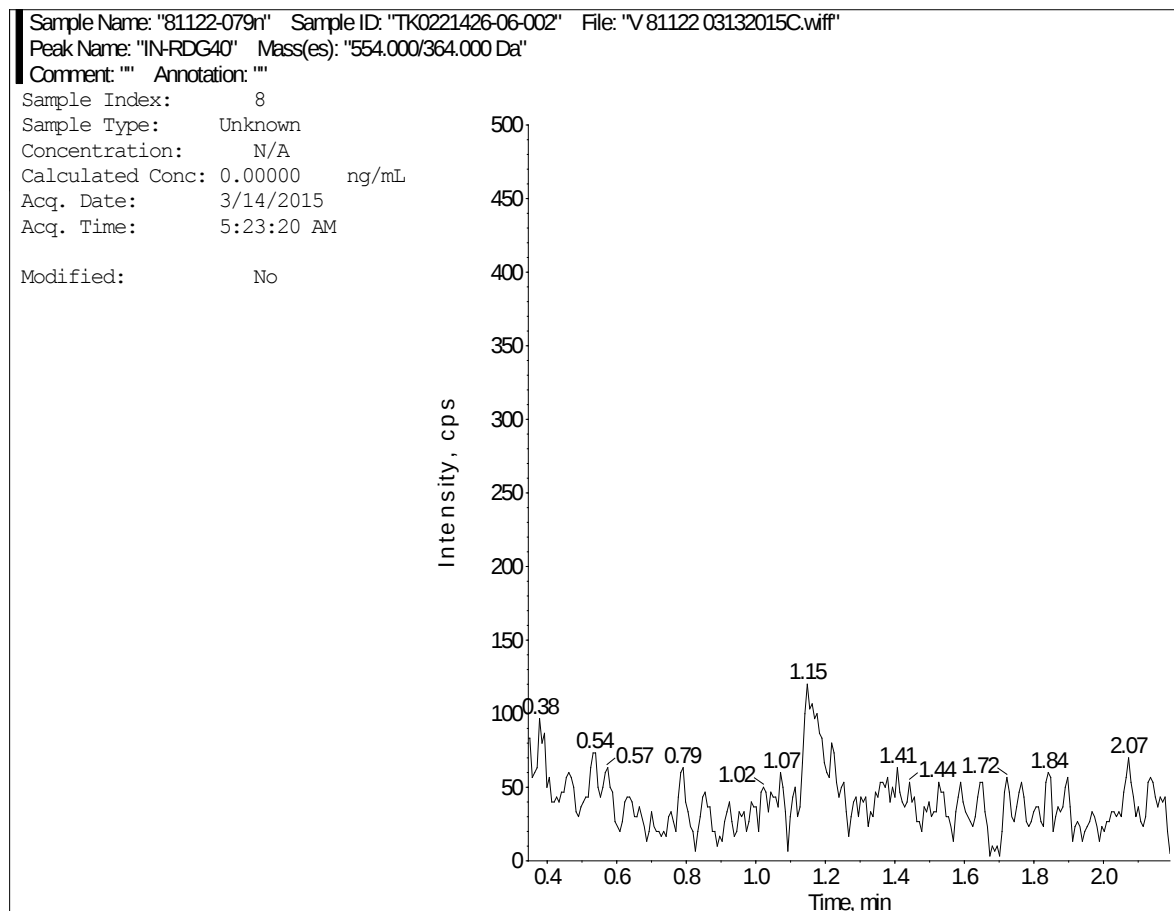
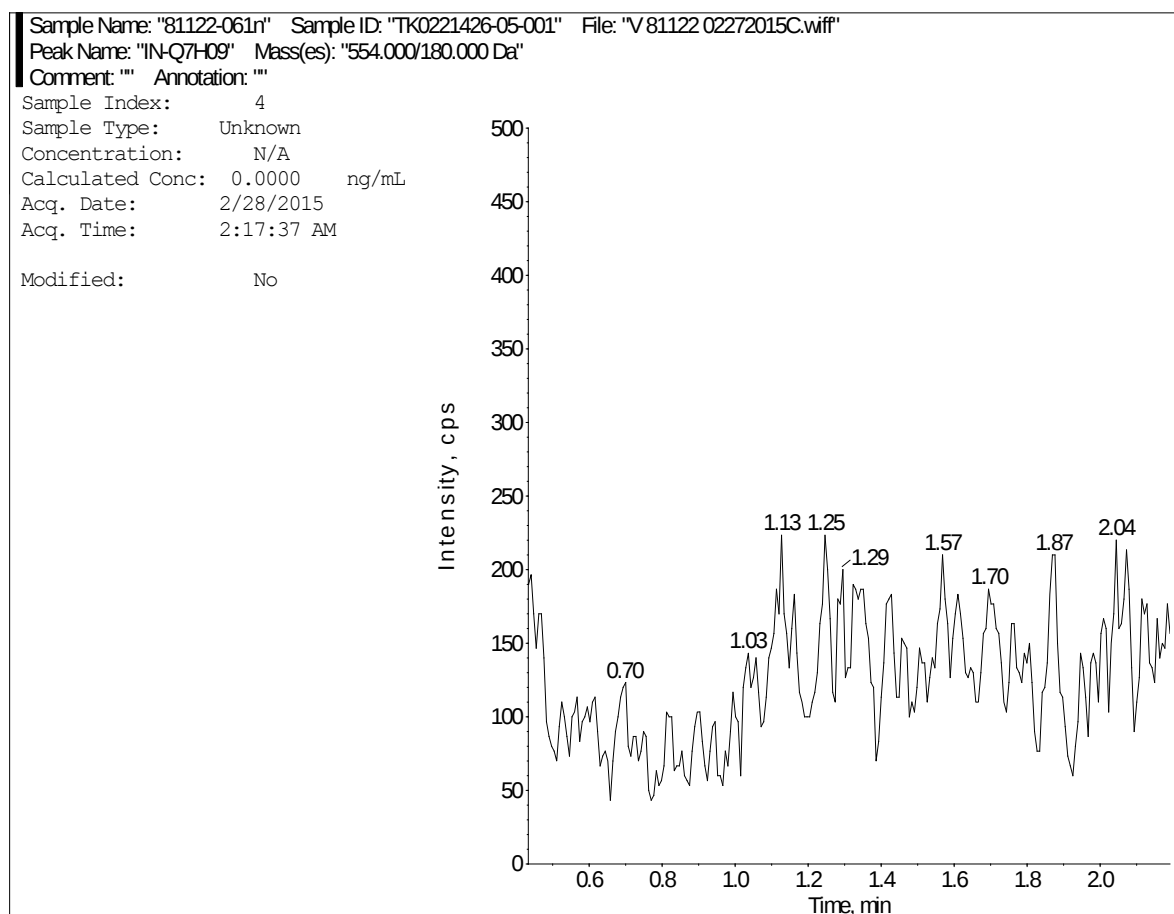


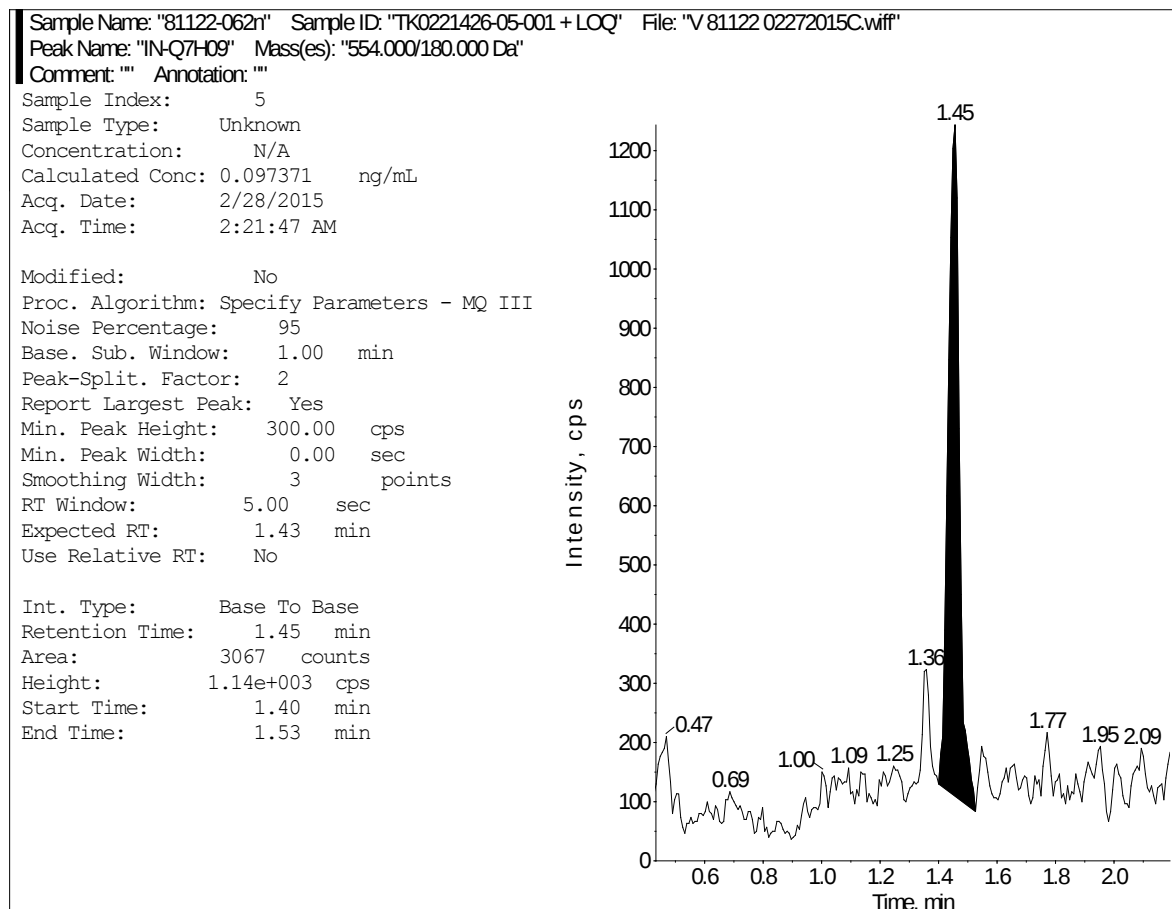
FIGURE 24 Representative Chromatograms – IN-Q7H09 in or on Cabbage

- Cabbage from Field Trial Number TK0221426-05, **IN-Q7H09**, Set #005
- Cabbage, Control Sample 81122-061n, TK0221426-05-001, 0.01 g sample/mL
Expected Retention Time: 1.43 minutes
IN-Q7H09 Reported: None Detected



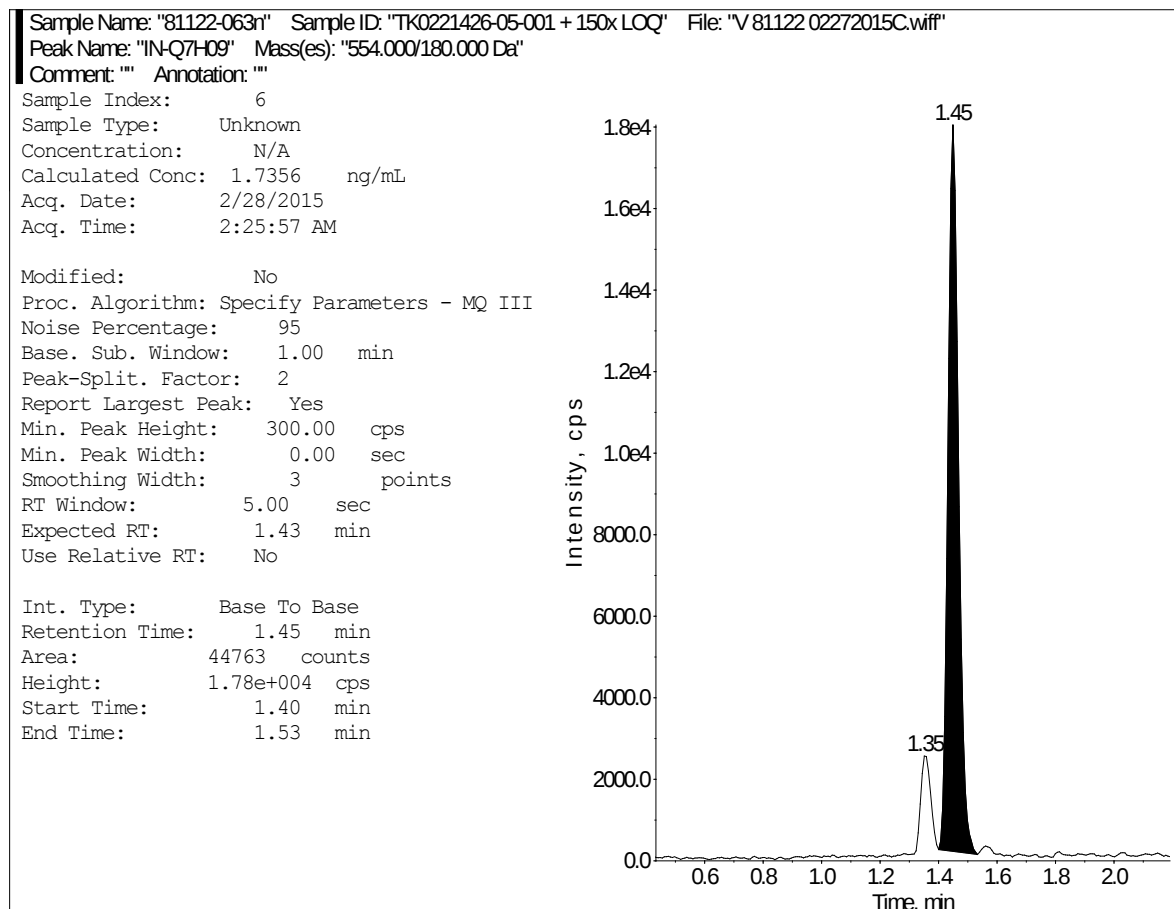
**FIGURE 24 Representative Chromatograms – IN-Q7H09 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-Q7H09**, Set #005
- Cabbage, Control Sample 81122-062n, TK0221426-05-001 + LOQ
Fortified Control @ 0.01 ppm, 0.01 g sample/mL
Percent Recovery: 97%



**FIGURE 24 Representative Chromatograms – IN-Q7H09 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-Q7H09**, Set #005
- Cabbage, Control Sample 81122-063n, TK0221426-05-001 + 150× LOQ
Fortified Control @ 1.50 ppm, 0.01 g sample/mL (1→10 dilution)
Percent Recovery: 115%



**FIGURE 24 Representative Chromatograms – IN-Q7H09 in or on Cabbage
(continued)**

- Cabbage from Field Trial Number TK0221426-05, **IN-Q7H09**, Set #005
- Cabbage, Treated Sample 81122-064n, TK0221426-05-002, 0.01 g sample/mL
Expected Retention Time: 1.43 minutes
IN-Q7H09 Reported: None Detected

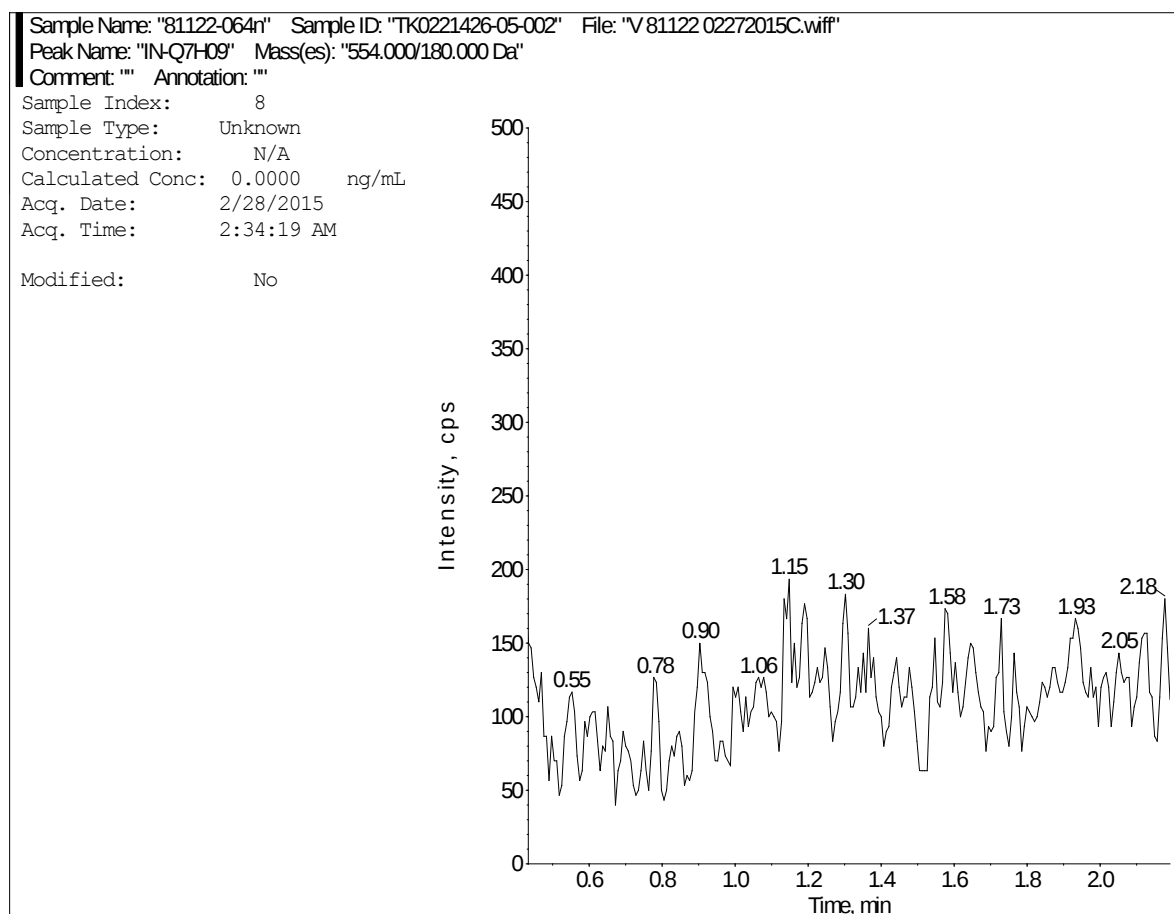
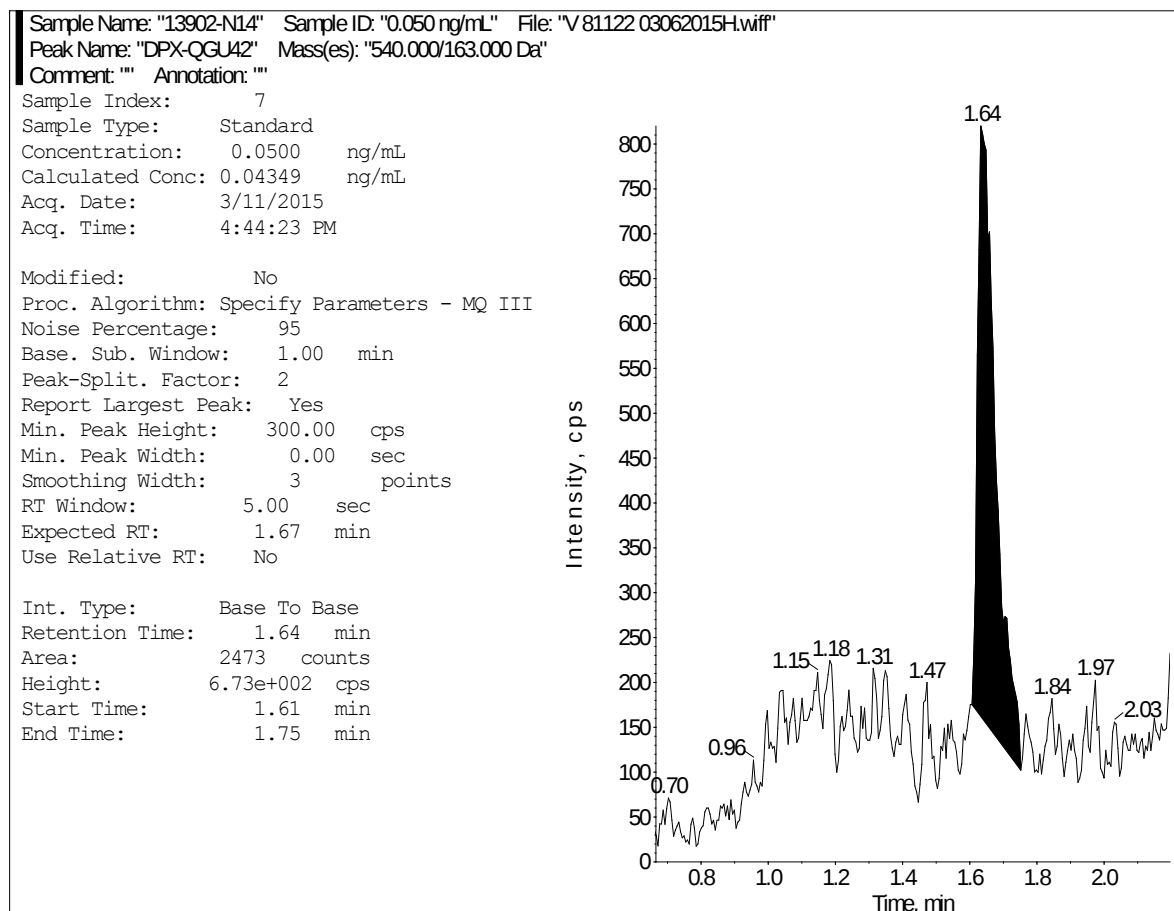


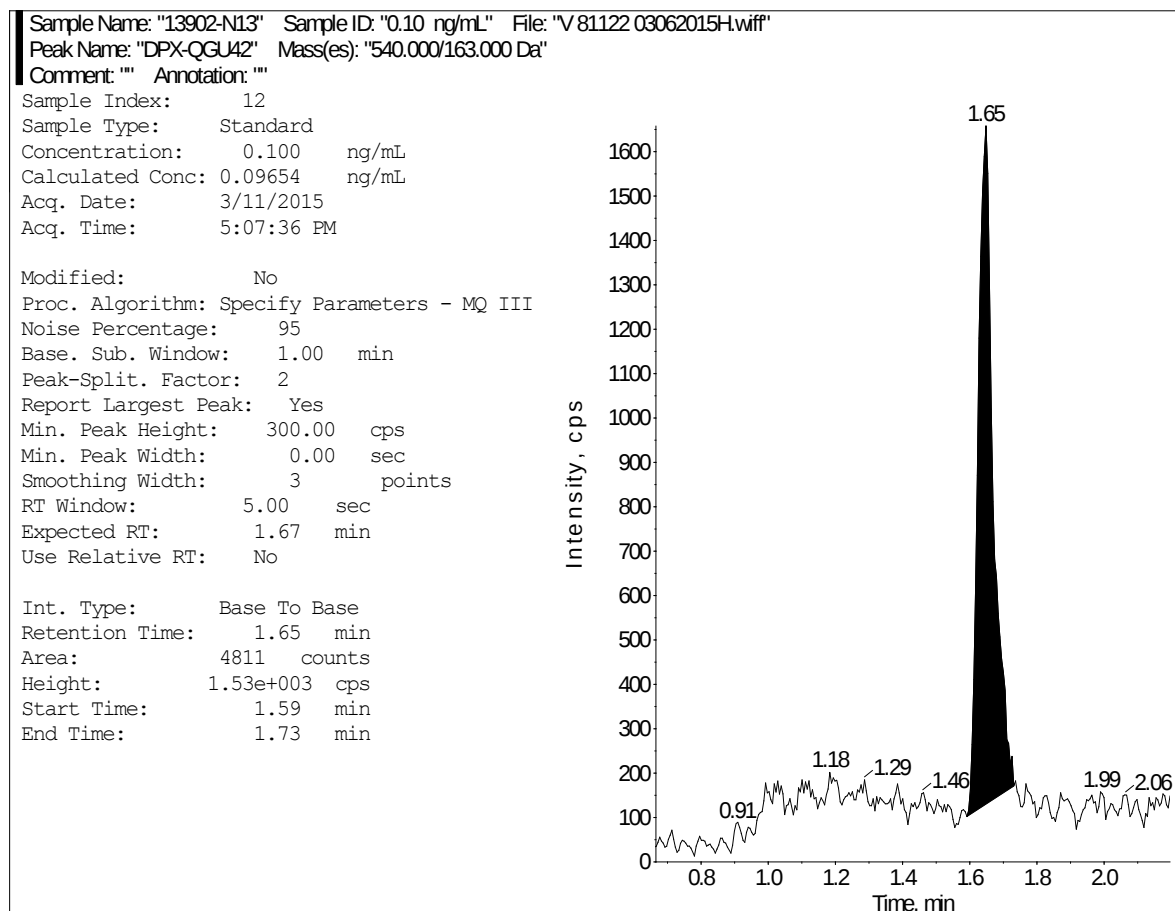
FIGURE 25 Representative DPX-QGU42 Calibration Standard Chromatograms

DPX-QGU42 Standard @ 0.050 ng/mL, Set #001



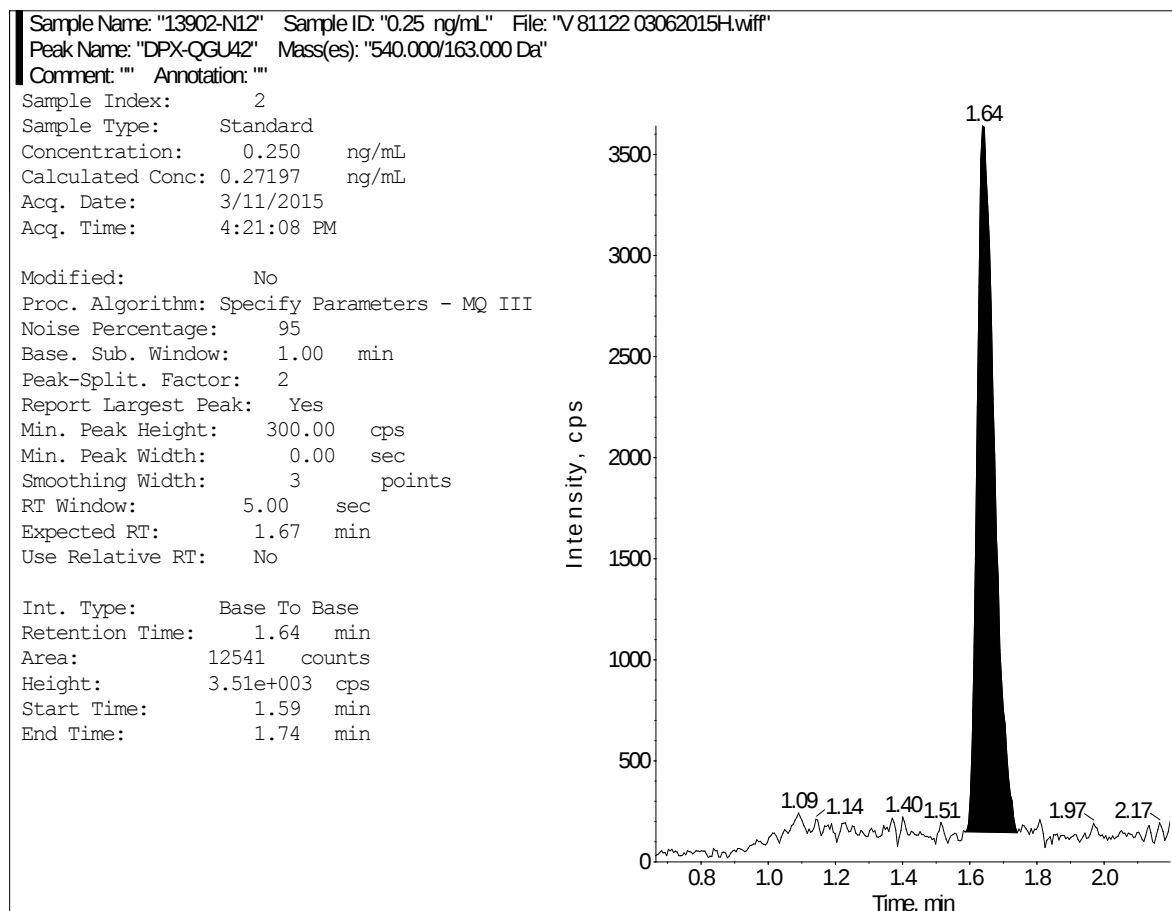
**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 0.10 ng/mL, Set #001



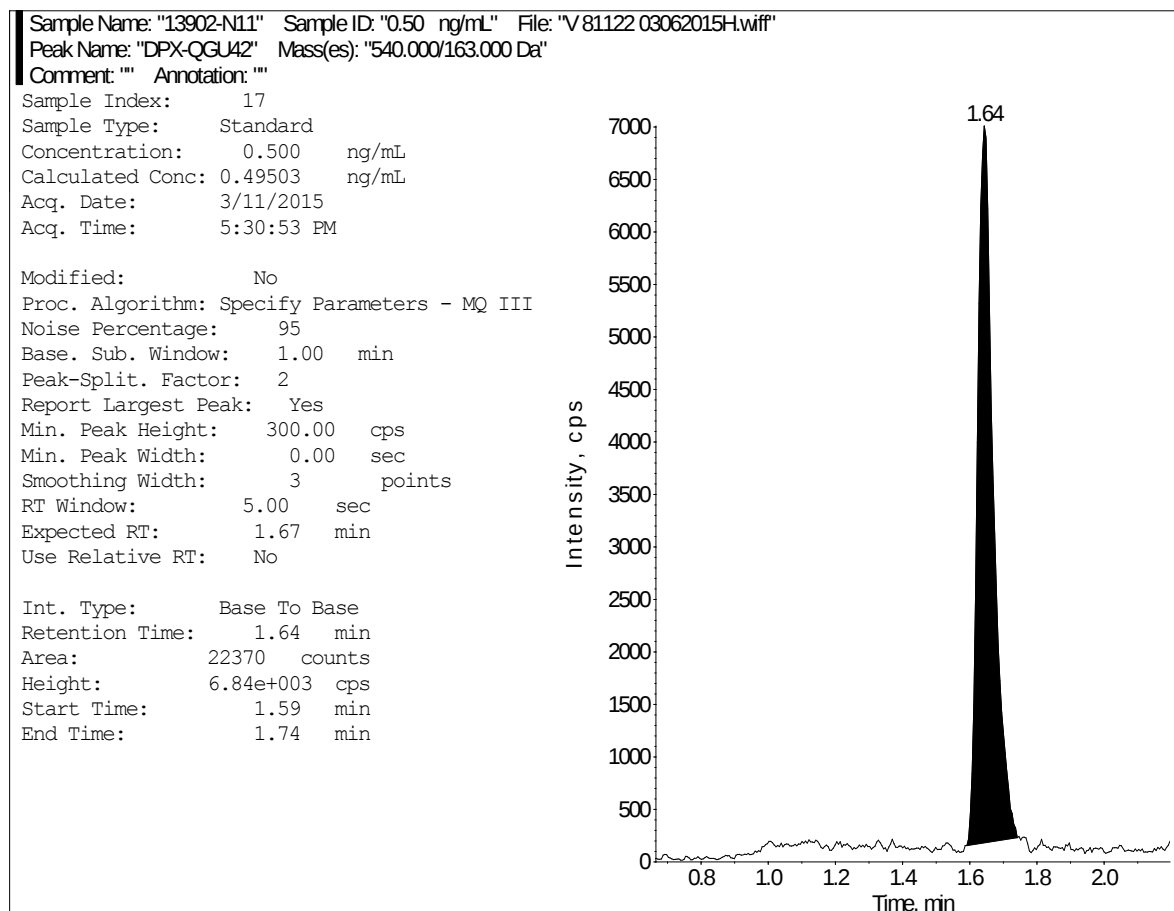
**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 0.25 ng/mL, Set #001



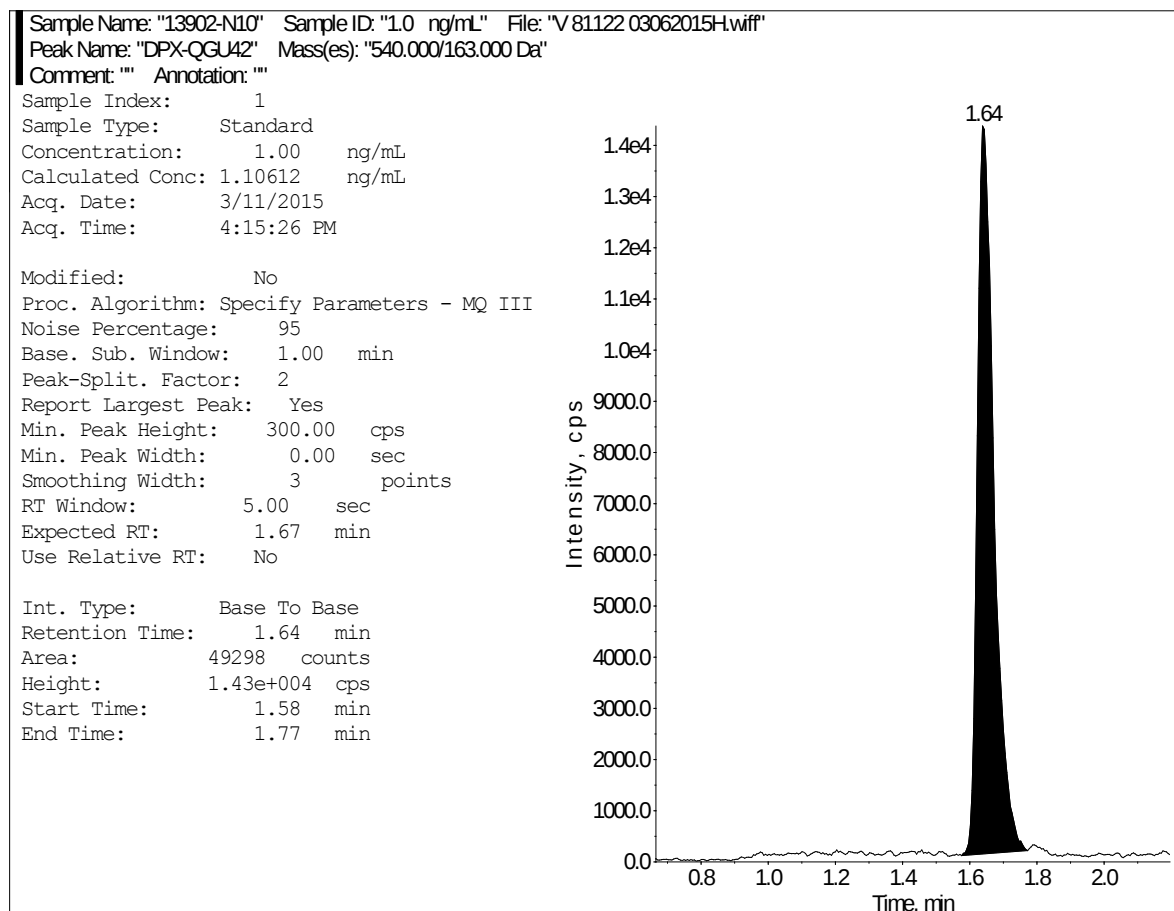
**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 0.50 ng/mL, Set #001



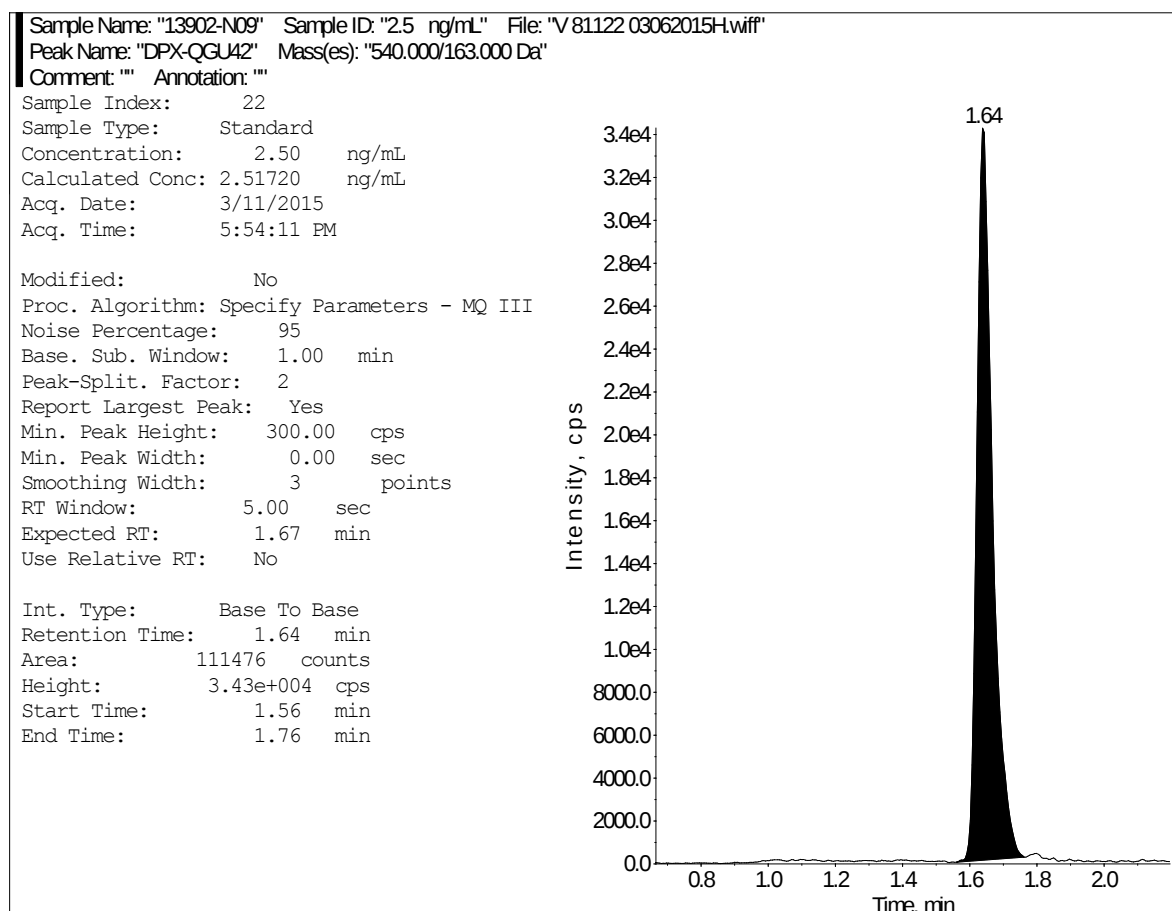
**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 1.0 ng/mL, Set #001



**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 2.5 ng/mL, Set #001



**FIGURE 25 Representative DPX-QGU42 Calibration Standard
Chromatograms (continued)**

DPX-QGU42 Standard @ 5.0 ng/mL, Set #001

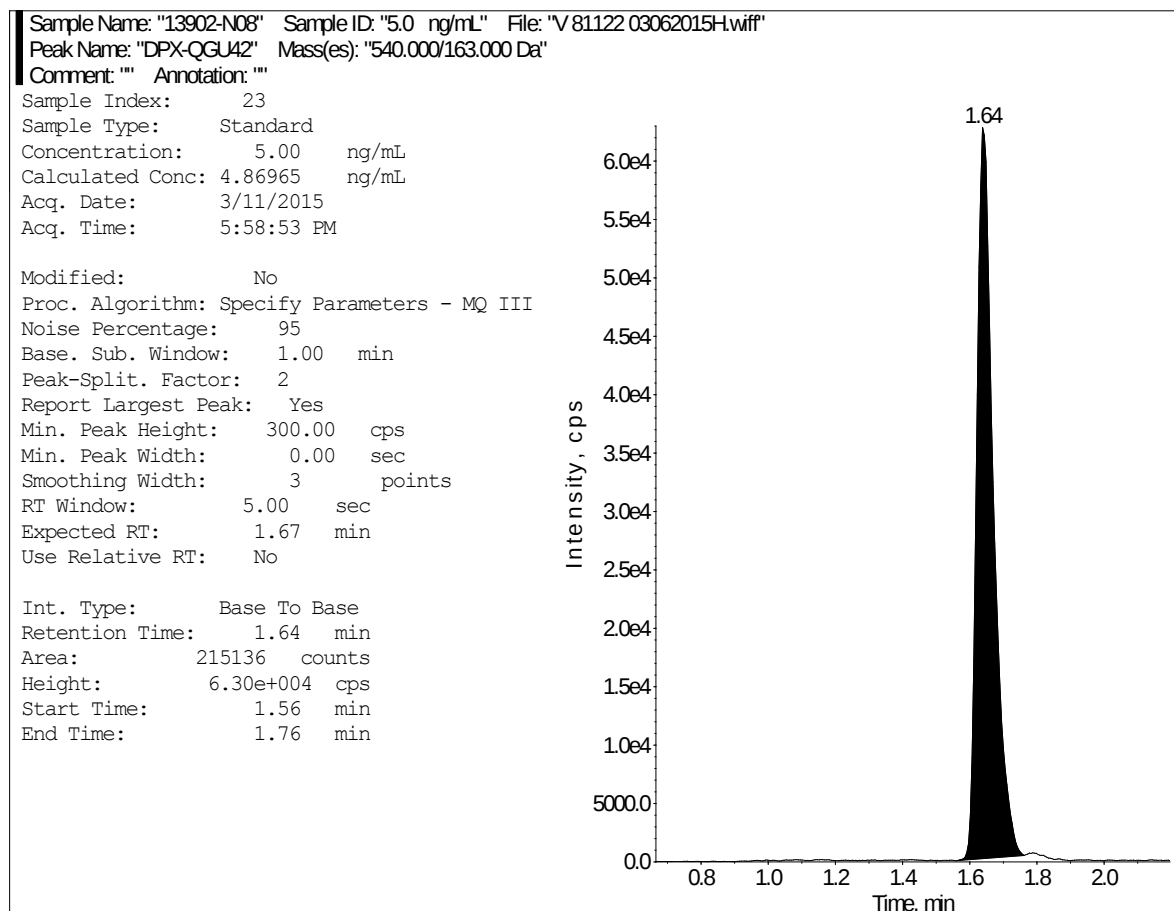
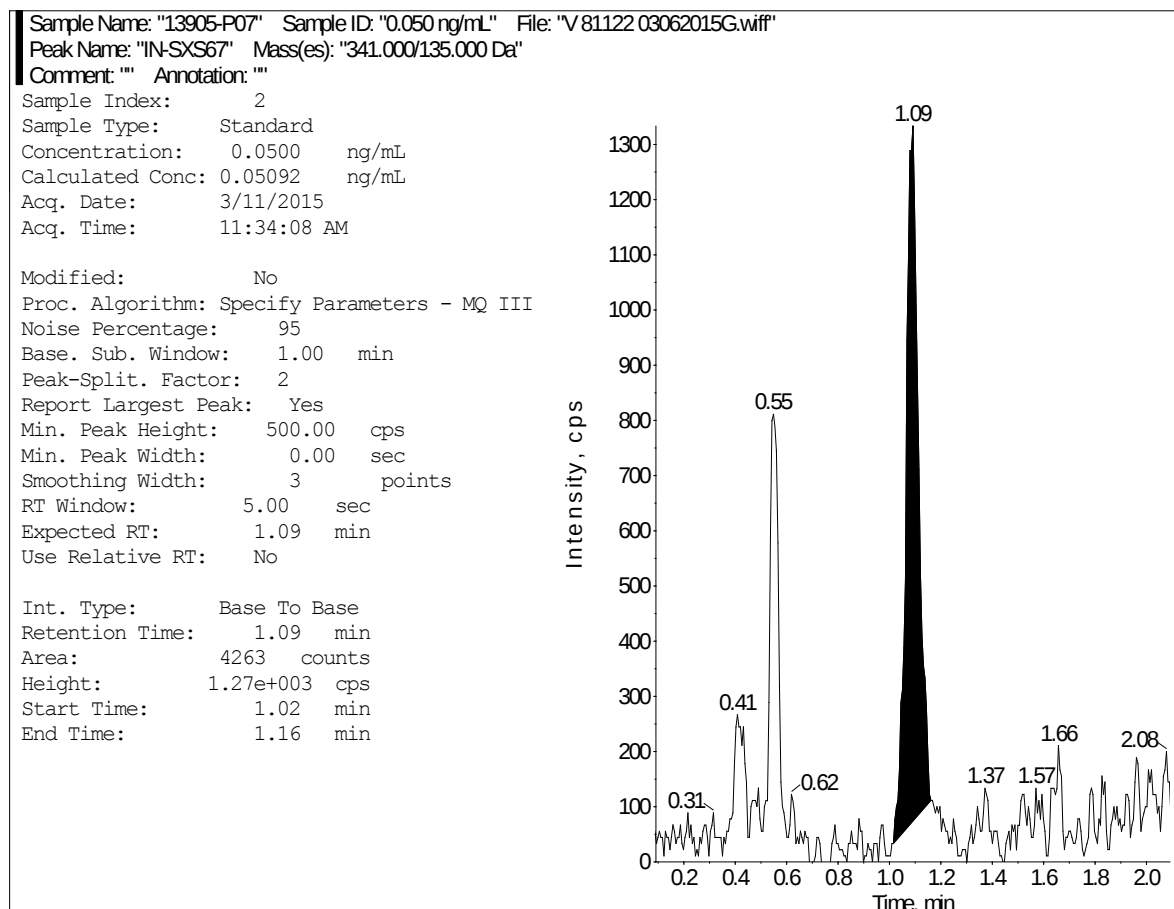


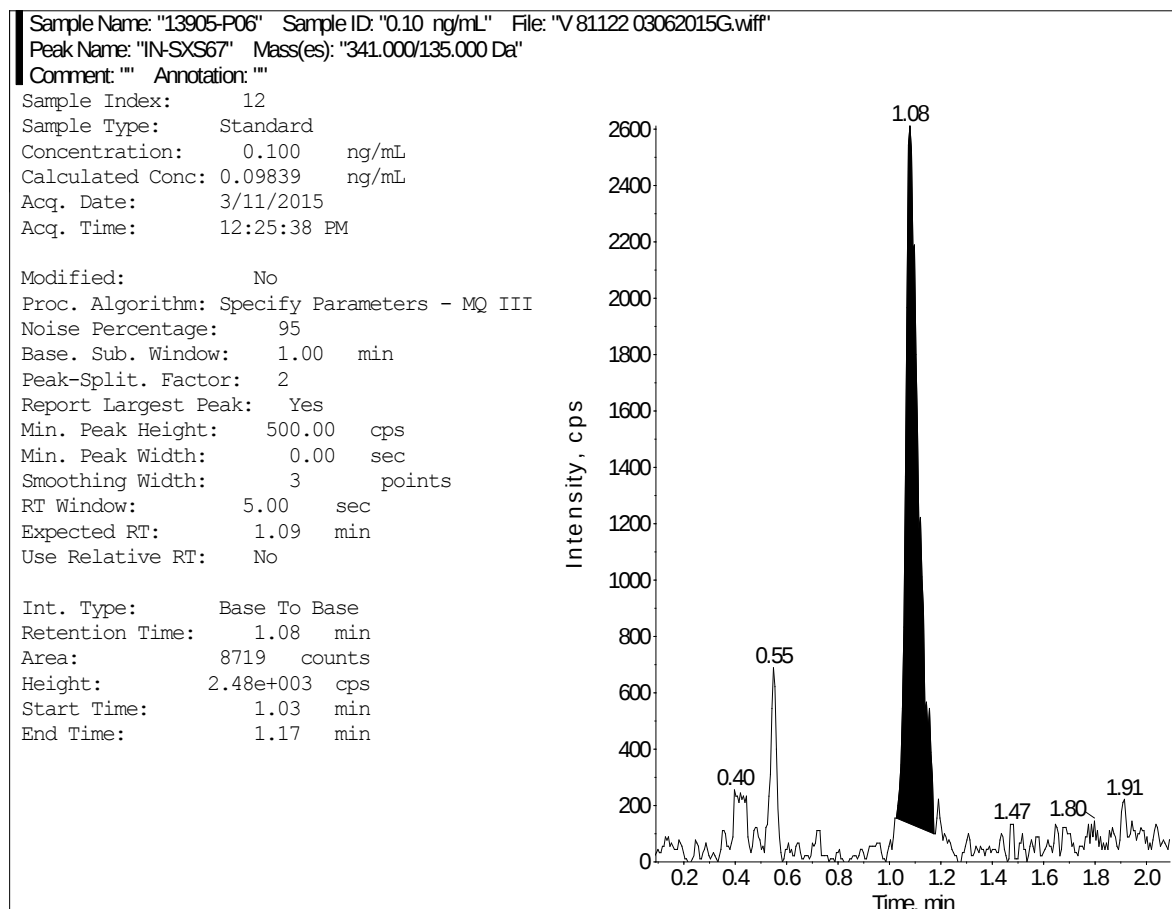
FIGURE 26 Representative IN-SXS67 Calibration Standard Chromatograms

IN-SXS67 Standard @ 0.050 ng/mL, Set #001



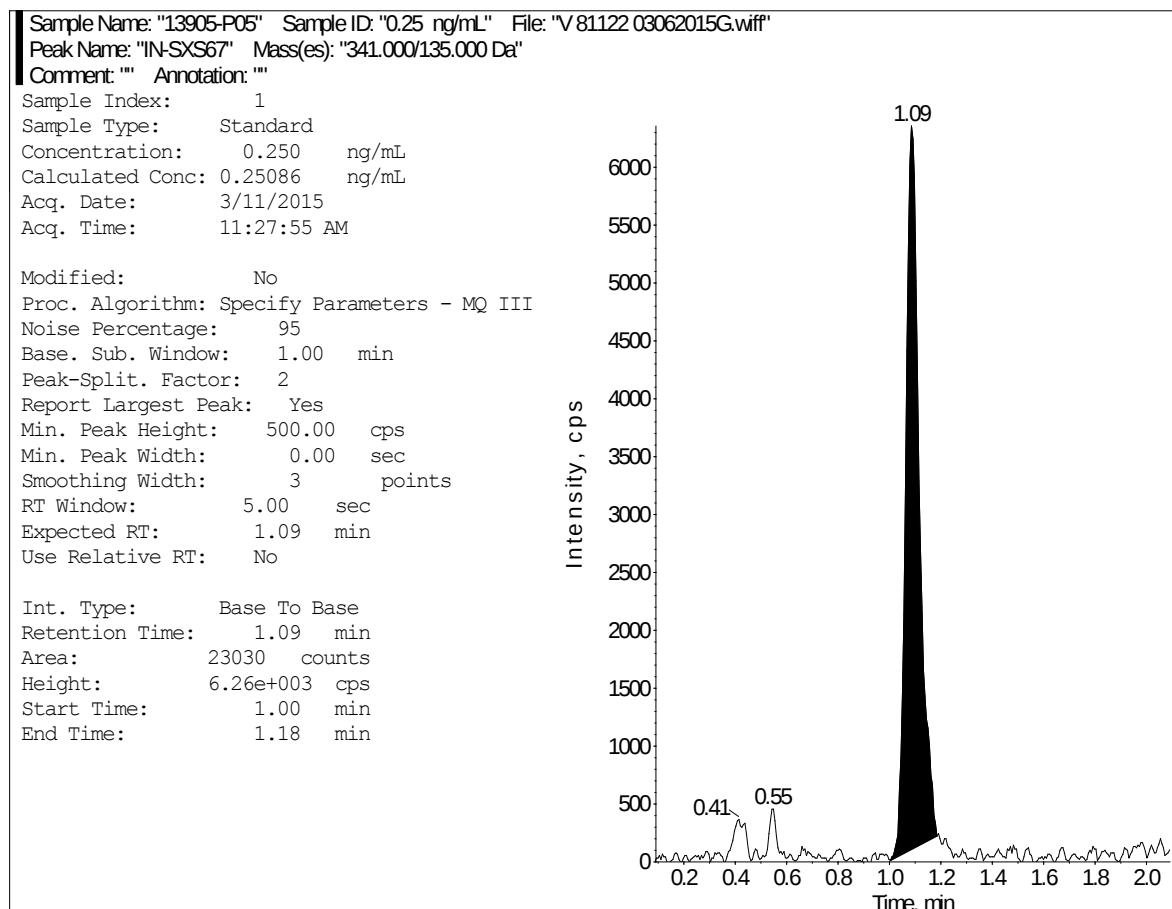
**FIGURE 26 Representative IN-SXS67 Calibration Standard
Chromatograms (continued)**

IN-SXS67 Standard @ 0.10 ng/mL, Set #001



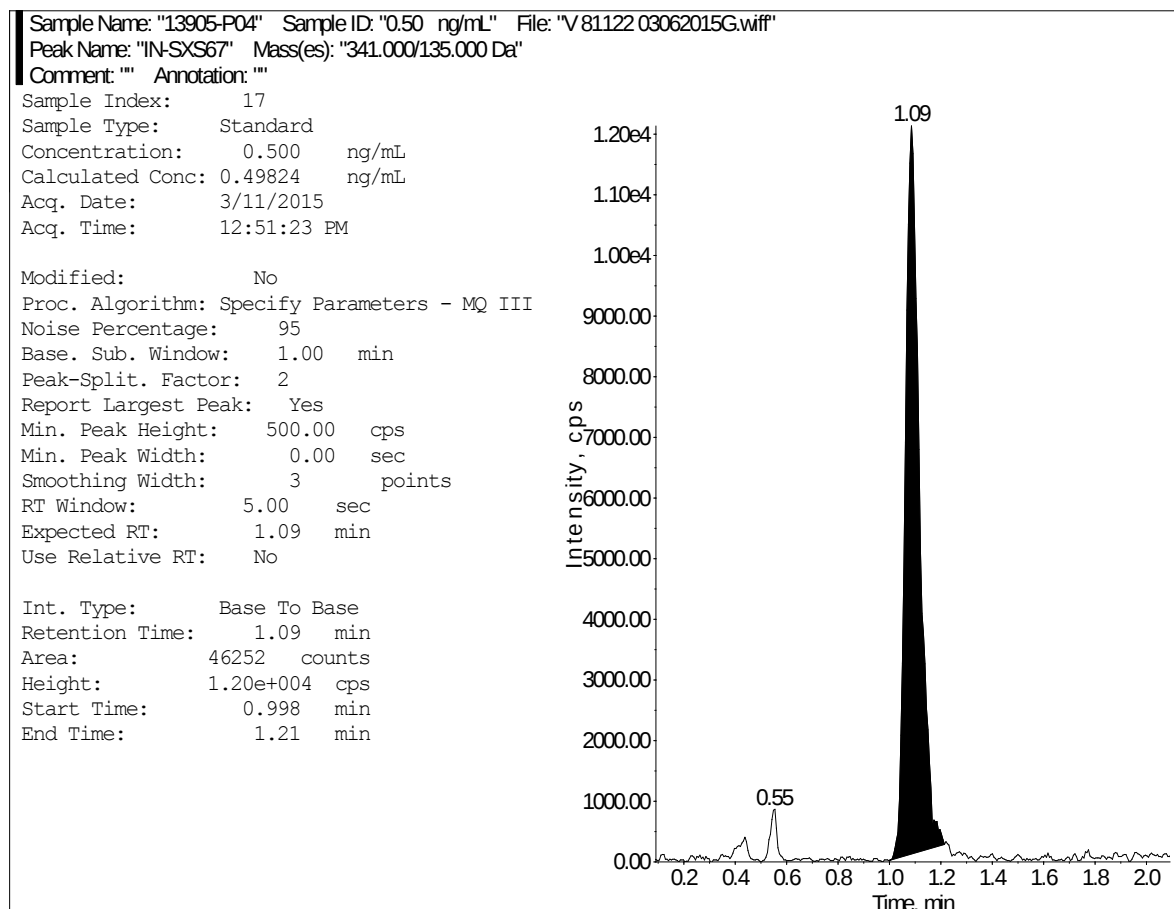
**FIGURE 26 Representative IN-SXS67 Calibration Standard
Chromatograms (continued)**

IN-SXS67 Standard @ 0.25 ng/mL, Set #001



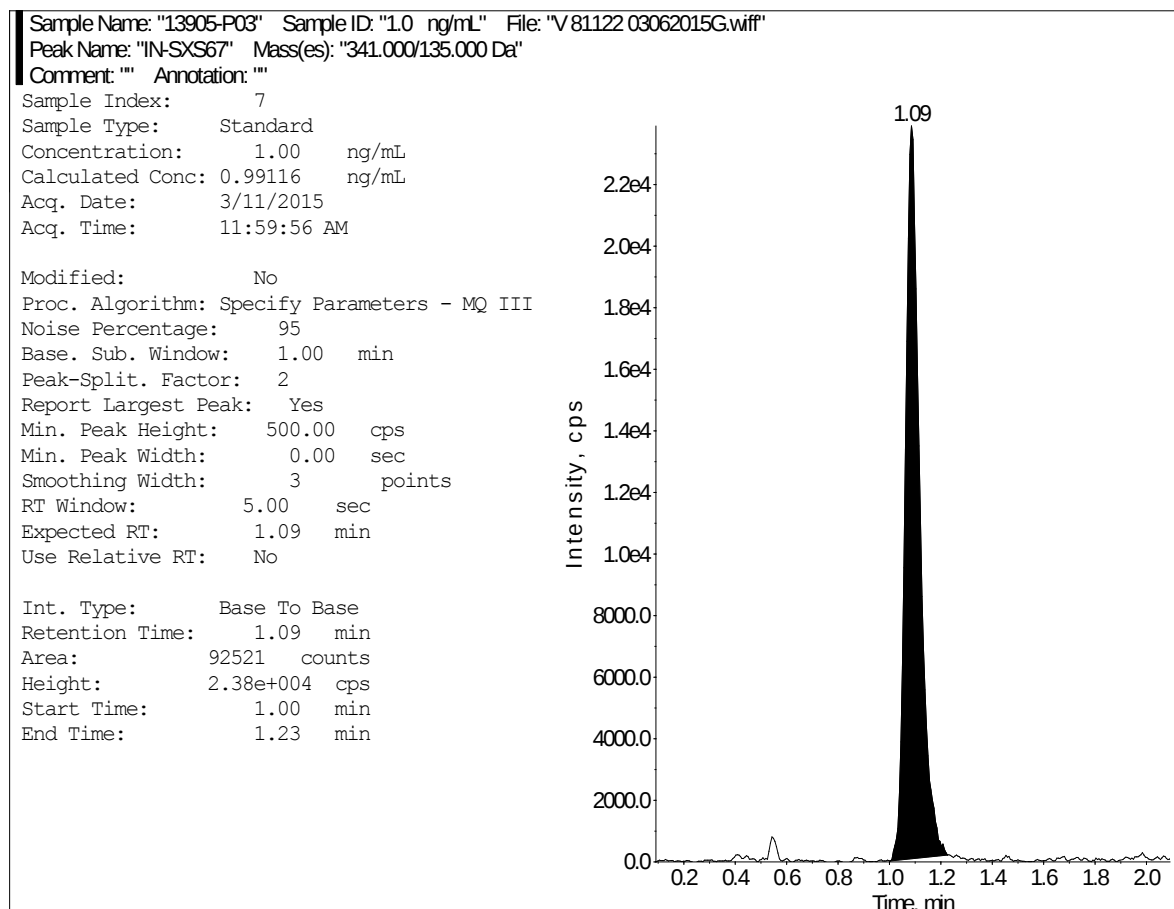
**FIGURE 26 Representative IN-SXS67 Calibration Standard
Chromatograms (continued)**

IN-SXS67 Standard @ 0.50 ng/mL, Set #001



**FIGURE 26 Representative IN-SXS67 Calibration Standard
Chromatograms (continued)**

IN-SXS67 Standard @ 1.0 ng/mL, Set #001



**FIGURE 26 Representative IN-SXS67 Calibration Standard
Chromatograms (continued)**

IN-SXS67 Standard @ 2.5 ng/mL, Set #001

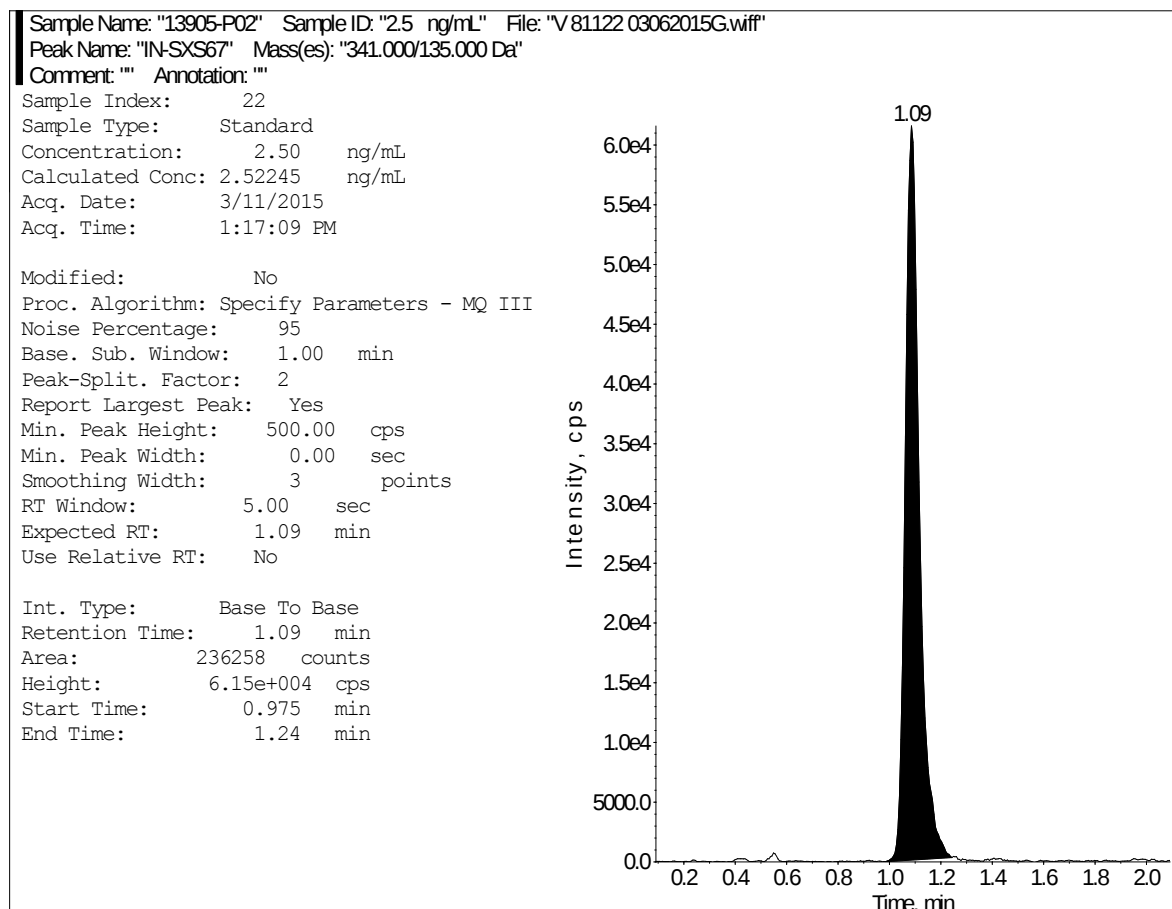


FIGURE 26 Representative IN-SXS67 Calibration Standard Chromatograms (continued)

IN-SXS67 Standard @ 5.0 ng/mL, Set #001

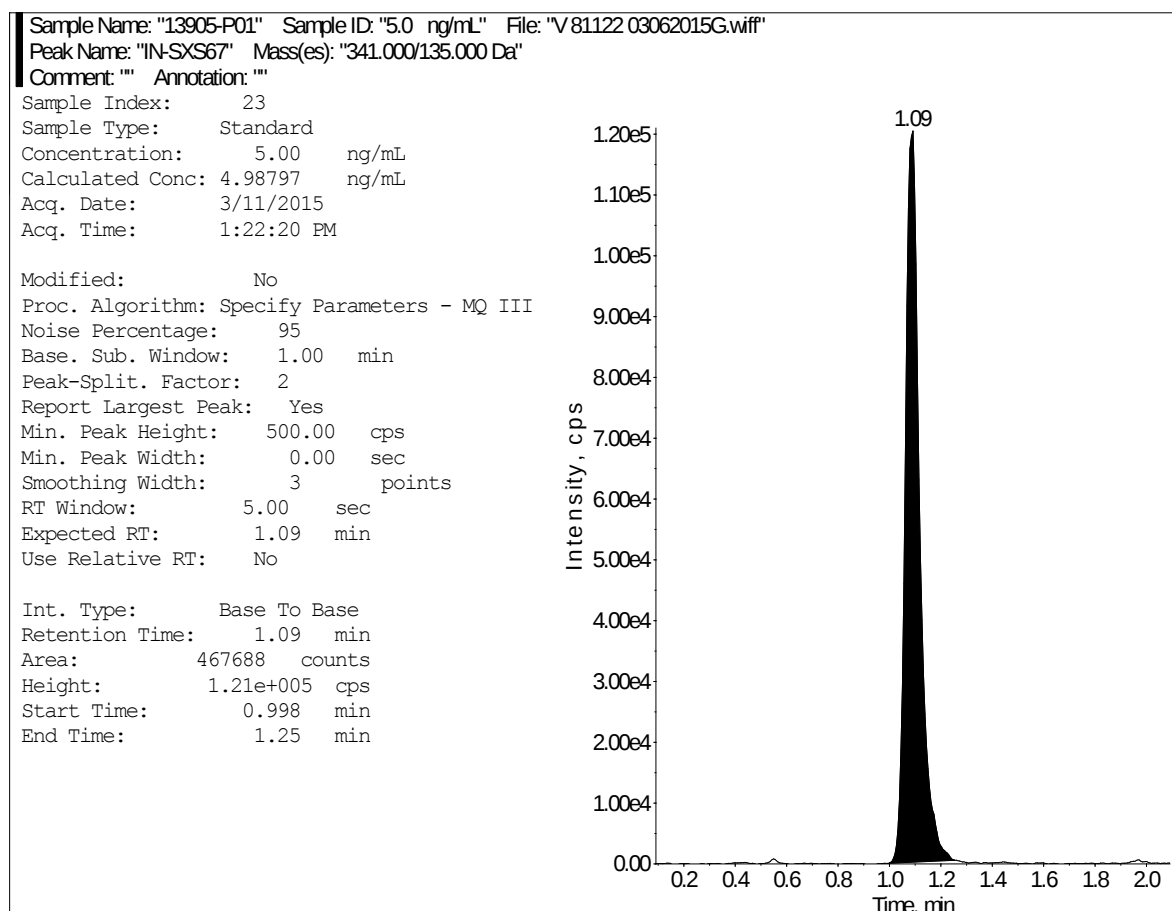
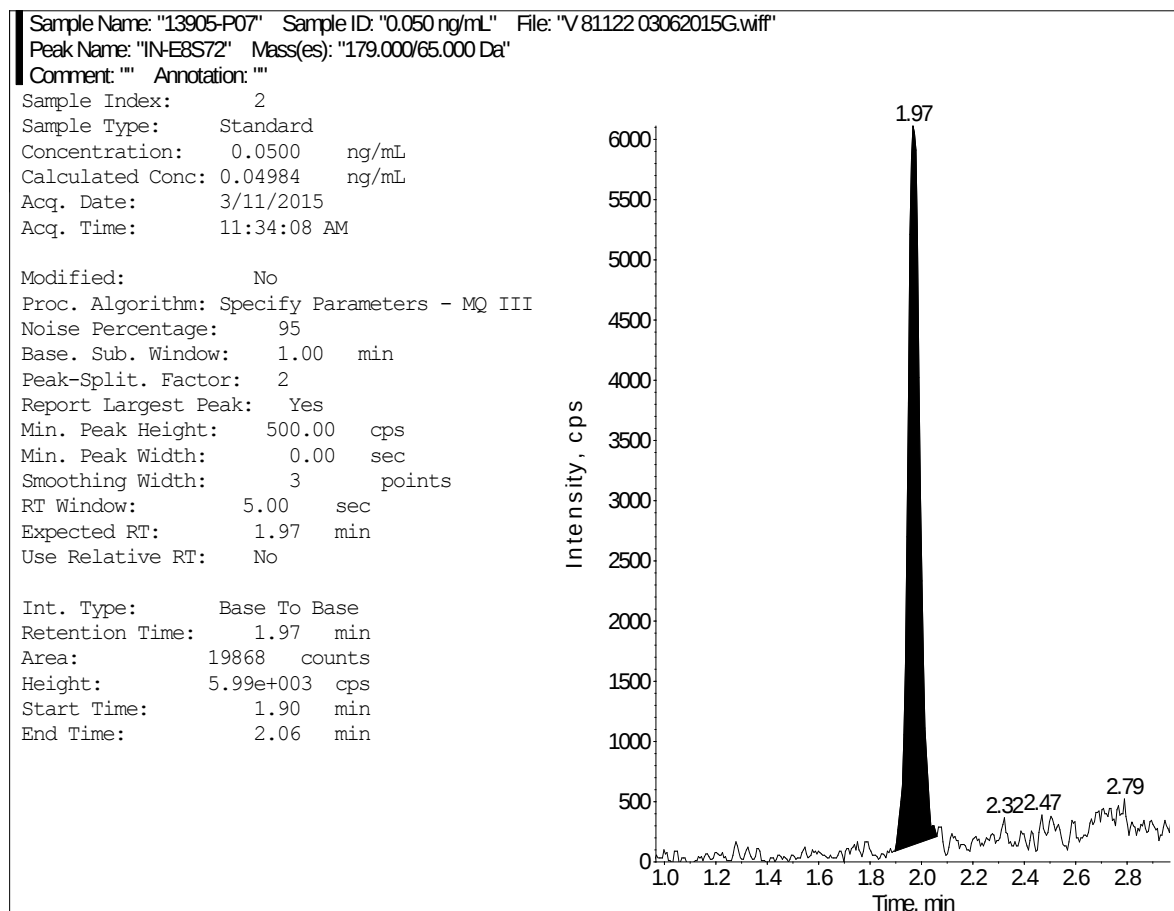


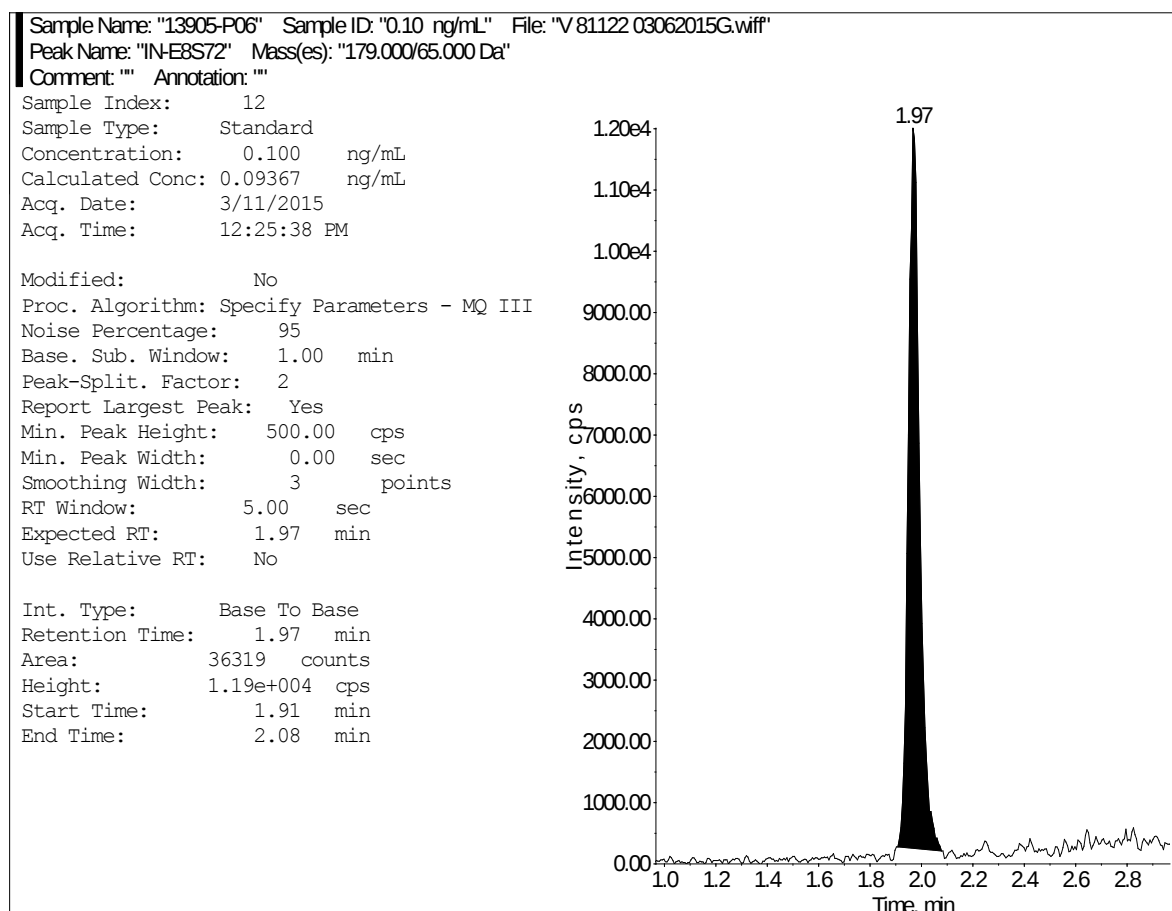
FIGURE 27 Representative IN-E8S72 Calibration Standard Chromatograms

IN-E8S72 Standard @ 0.050 ng/mL, Set #001



**FIGURE 27 Representative IN-E8S72 Calibration Standard
Chromatograms (continued)**

IN-E8S72 Standard @ 0.10 ng/mL, Set #001



**FIGURE 27 Representative IN-E8S72 Calibration Standard
Chromatograms (continued)**

IN-E8S72 Standard @ 0.25 ng/mL, Set #001

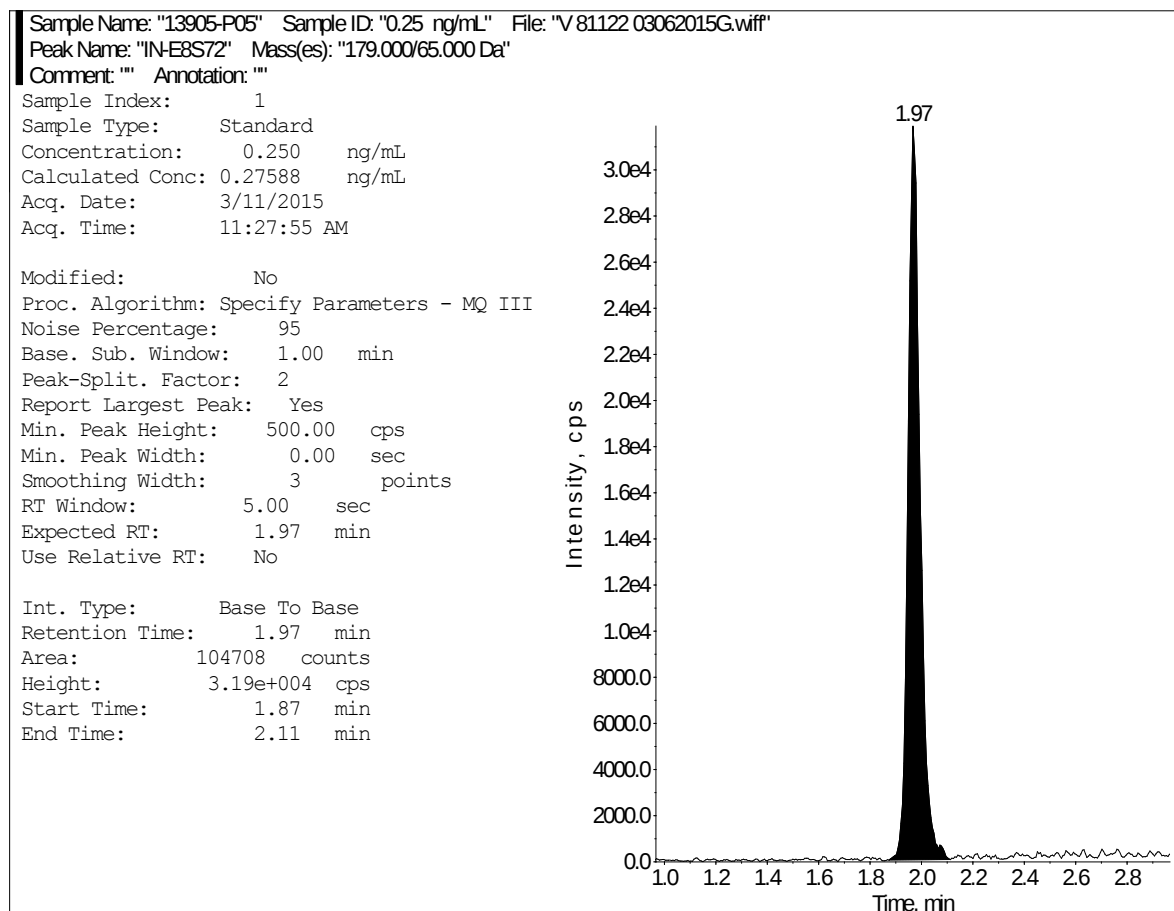
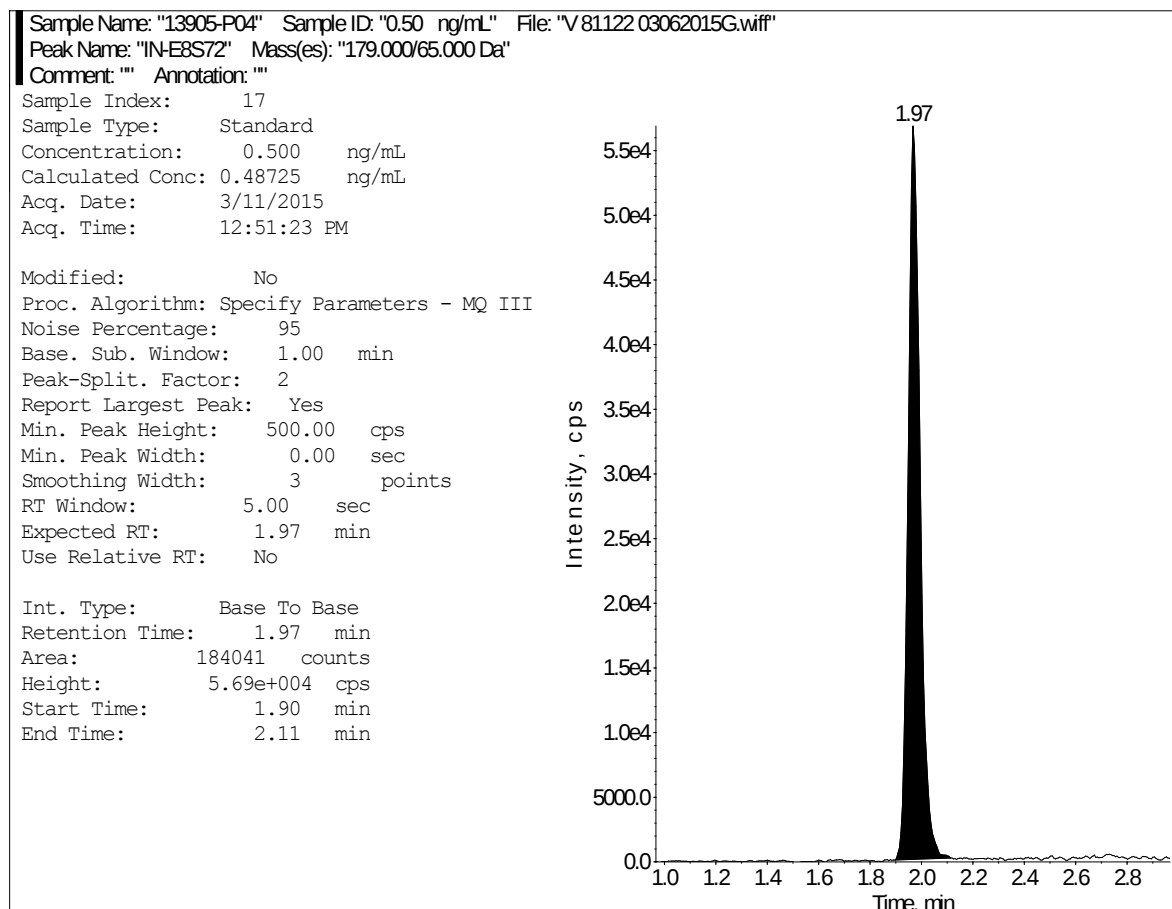


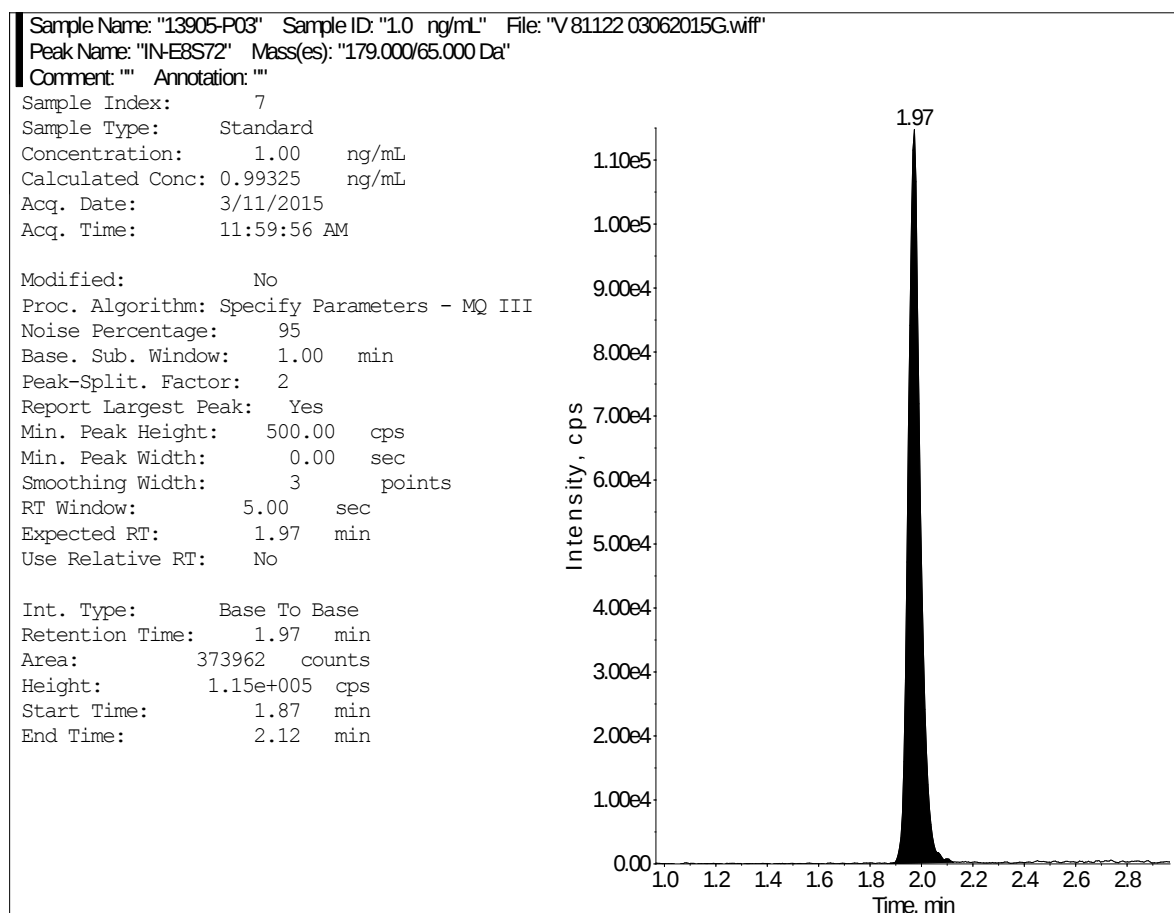
FIGURE 27 Representative IN-E8S72 Calibration Standard Chromatograms (continued)

IN-E8S72 Standard @ 0.50 ng/mL, Set #001



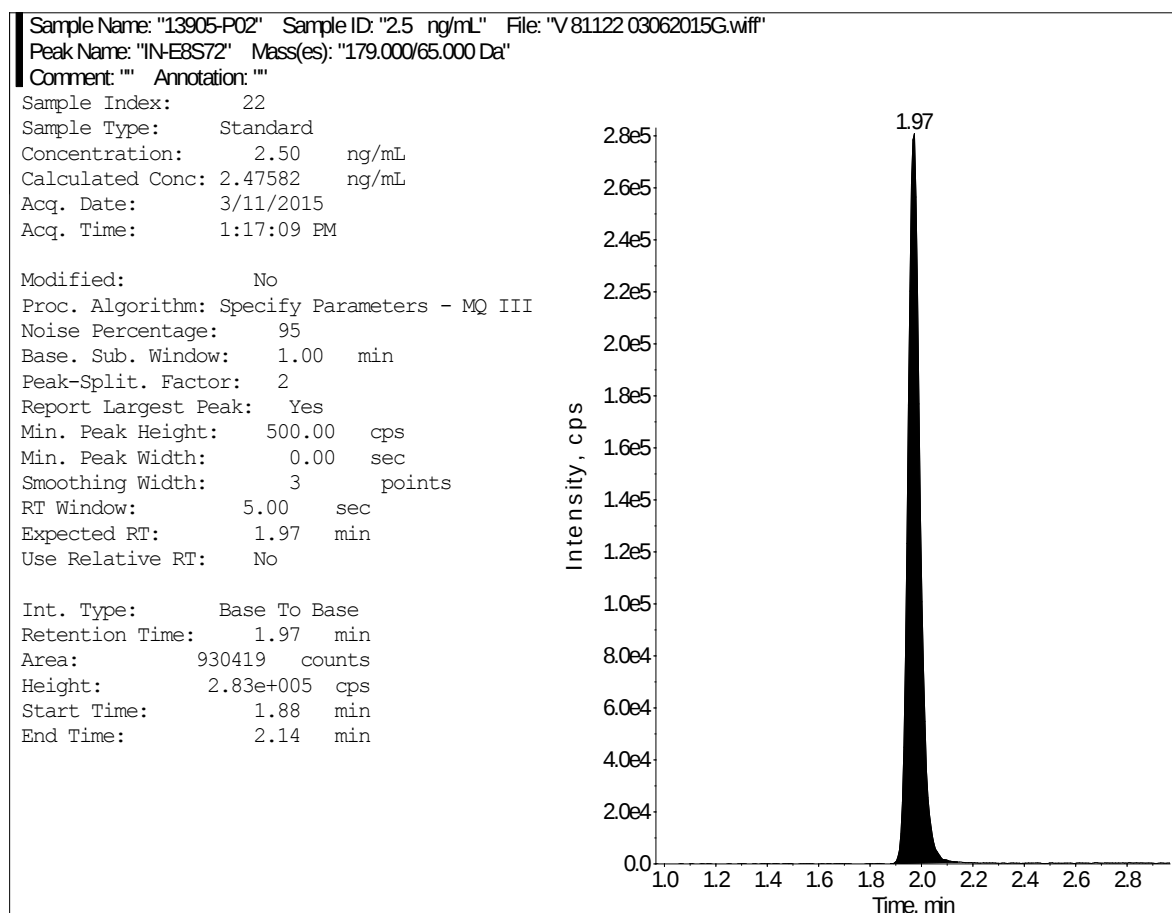
**FIGURE 27 Representative IN-E8S72 Calibration Standard
Chromatograms (continued)**

IN-E8S72 Standard @ 1.0 ng/mL, Set #001



**FIGURE 27 Representative IN-E8S72 Calibration Standard
Chromatograms (continued)**

IN-E8S72 Standard @ 2.5 ng/mL, Set #001



**FIGURE 27 Representative IN-E8S72 Calibration Standard
Chromatograms (continued)**

IN-E8S72 Standard @ 5.0 ng/mL, Set #001

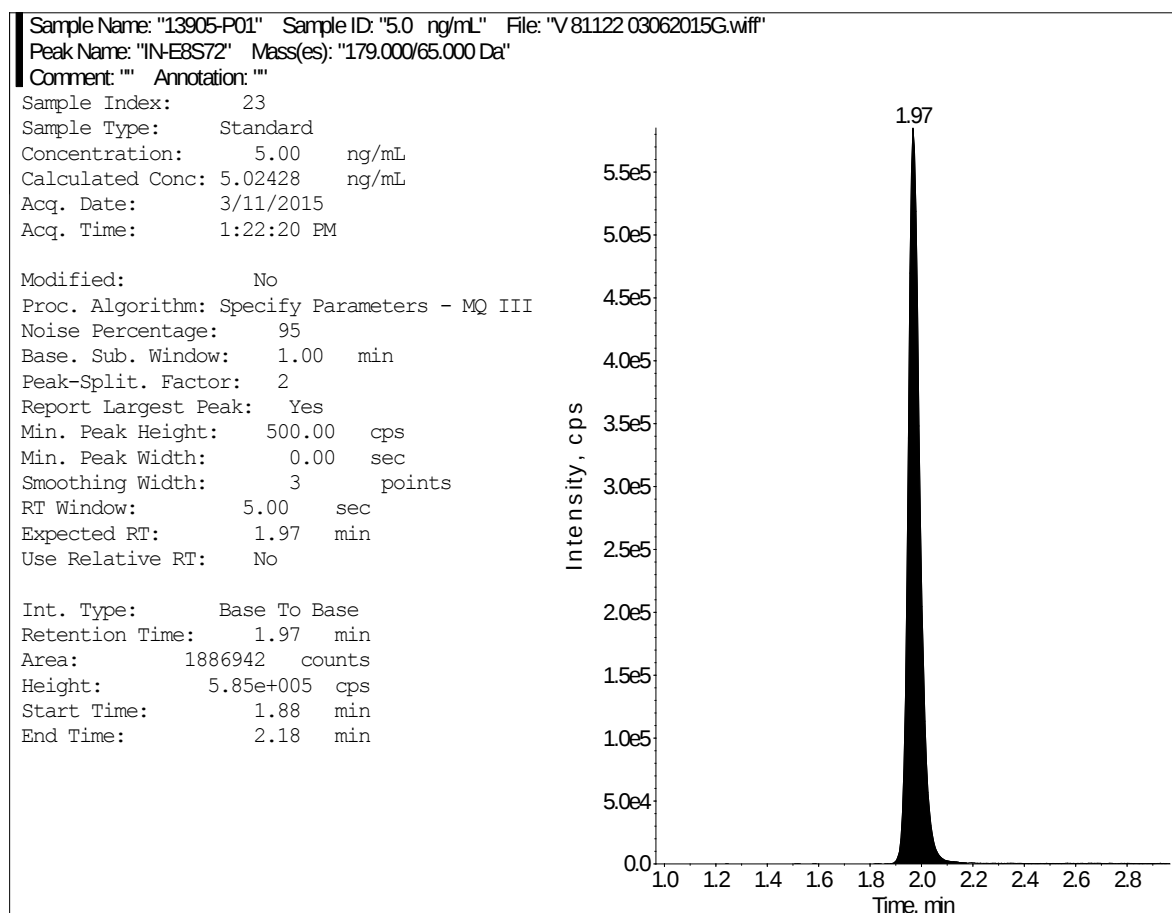
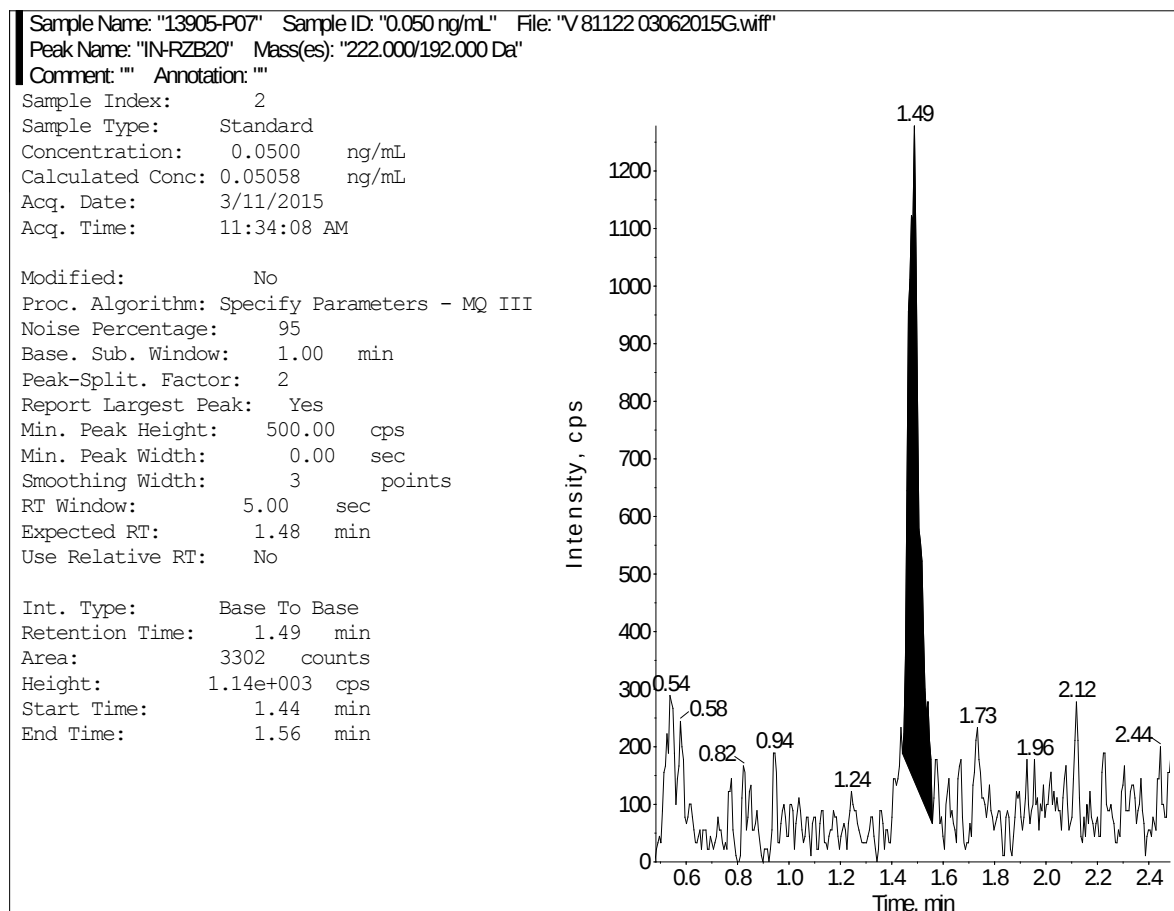


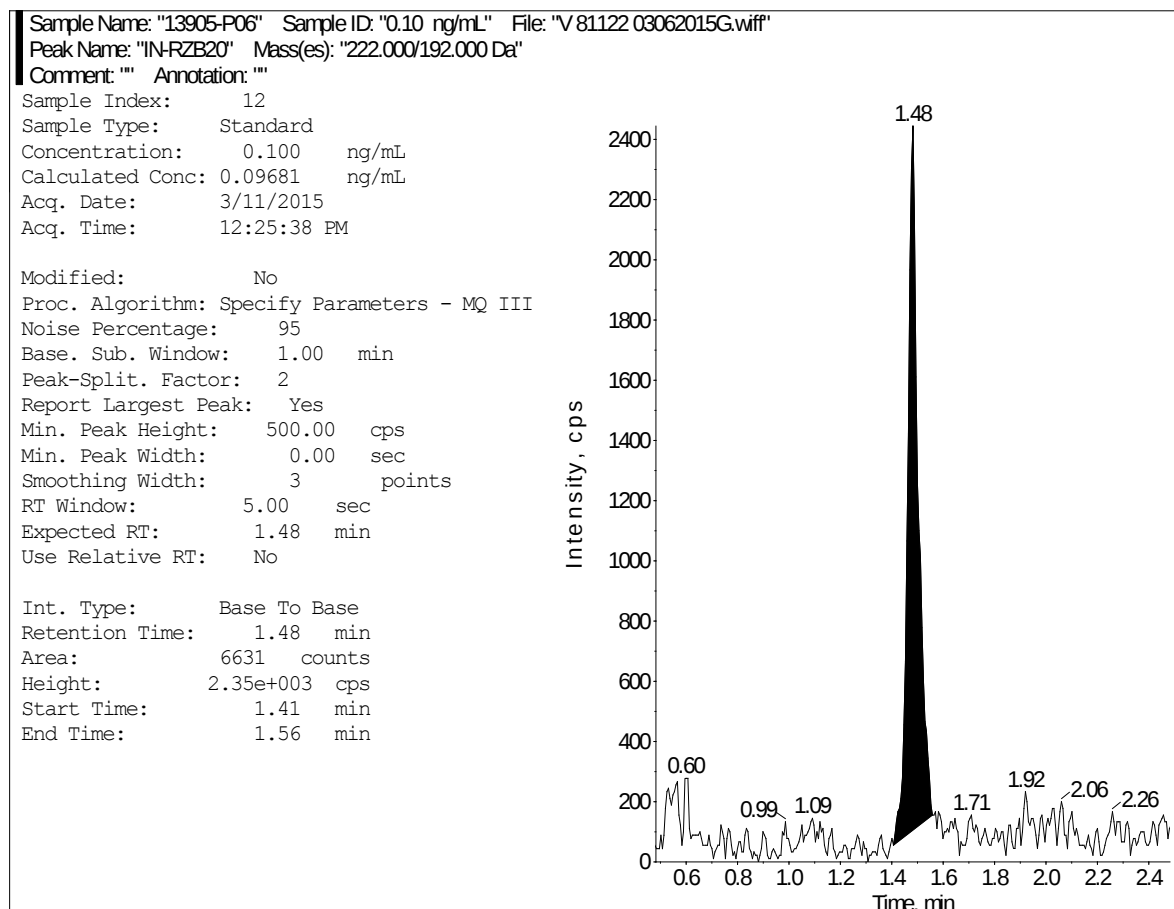
FIGURE 28 Representative IN-RZB20 Calibration Standard Chromatograms

IN-RZB20 Standard @ 0.050 ng/mL, Set #001



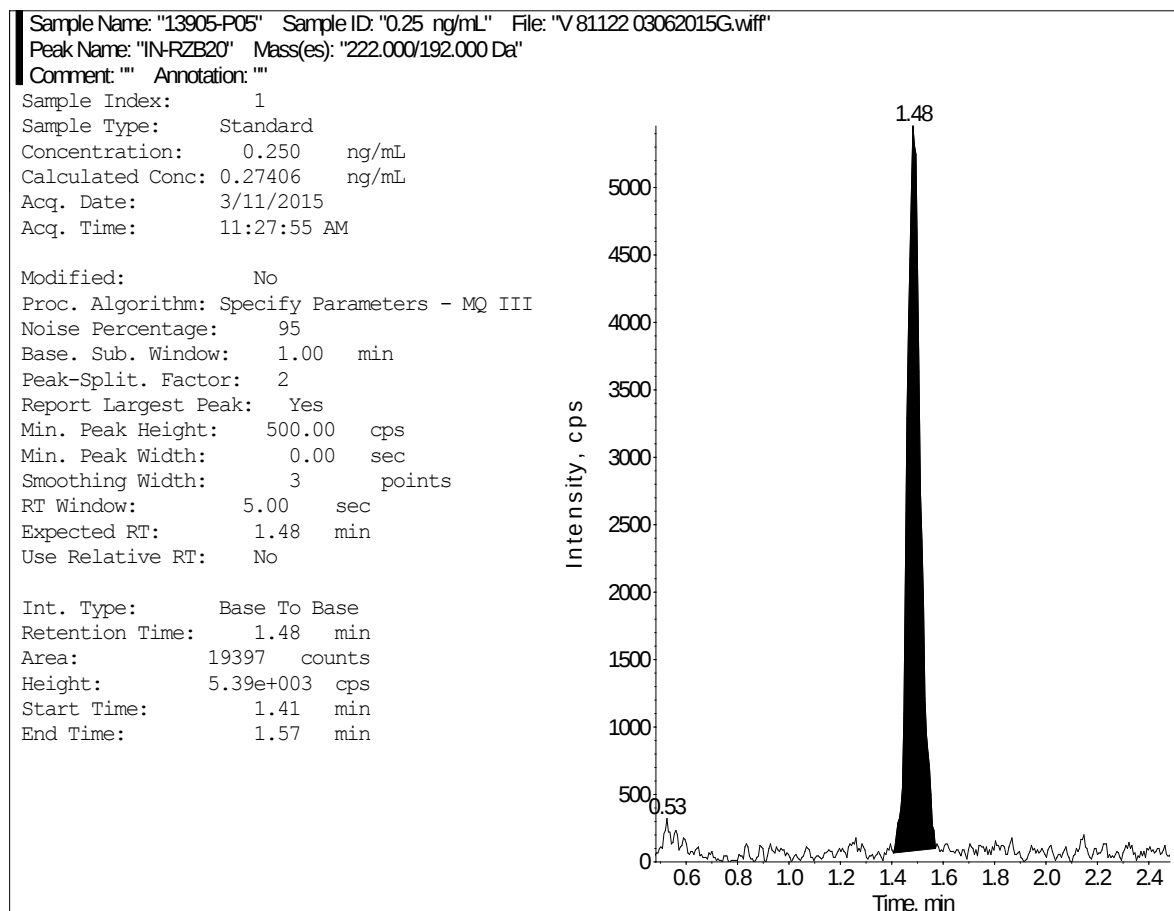
**FIGURE 28 Representative IN-RZB20 Calibration Standard
Chromatograms (continued)**

IN-RZB20 Standard @ 0.10 ng/mL, Set #001



**FIGURE 28 Representative IN-RZB20 Calibration Standard
Chromatograms (continued)**

IN-RZB20 Standard @ 0.25 ng/mL, Set #001



**FIGURE 28 Representative IN-RZB20 Calibration Standard
Chromatograms (continued)**

IN-RZB20 Standard @ 0.50 ng/mL, Set #001

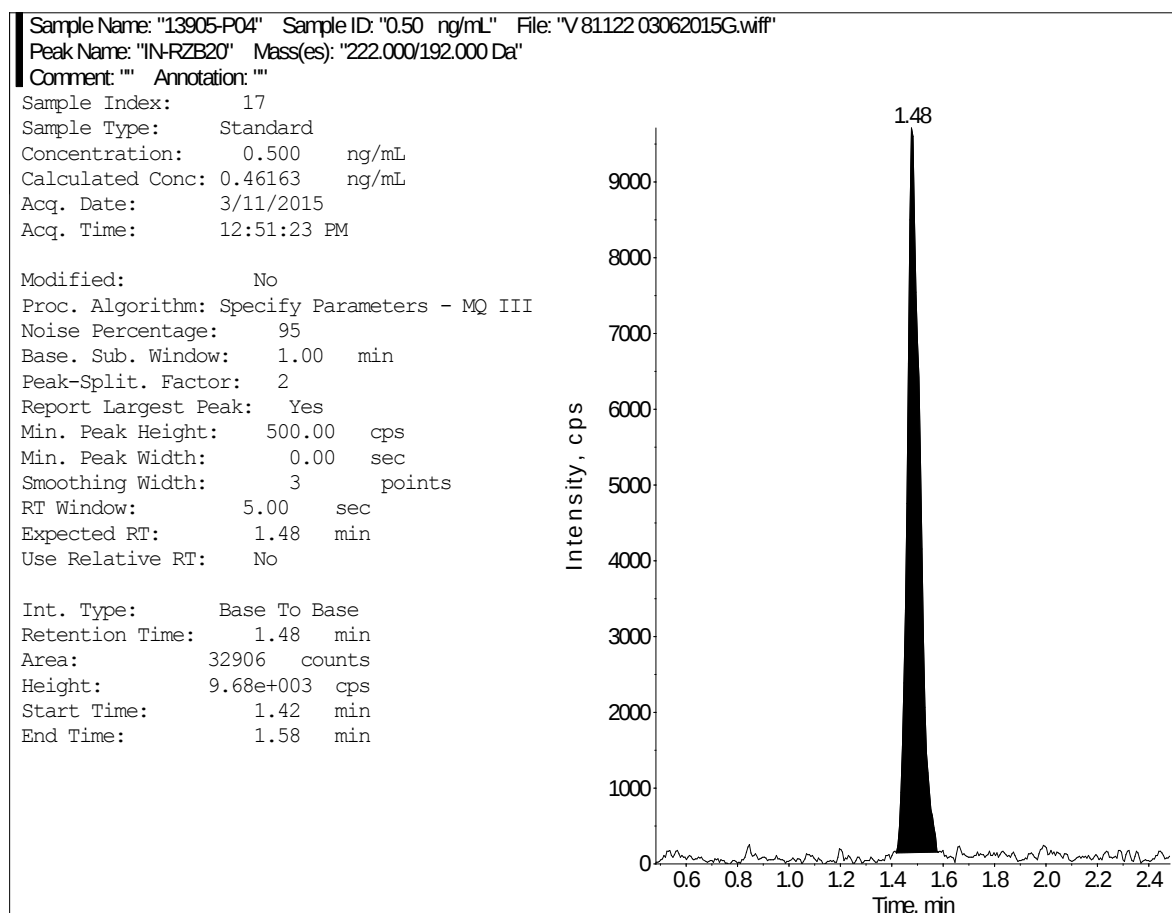
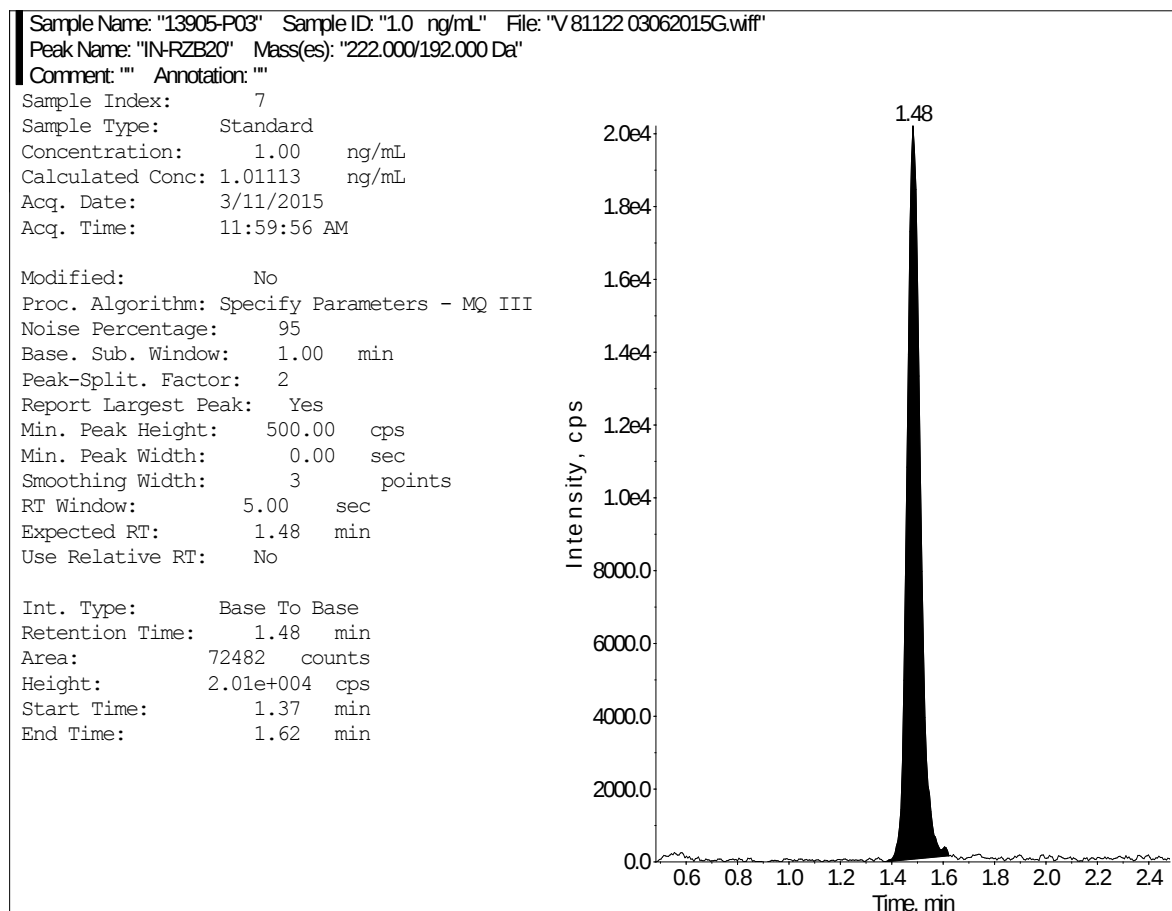


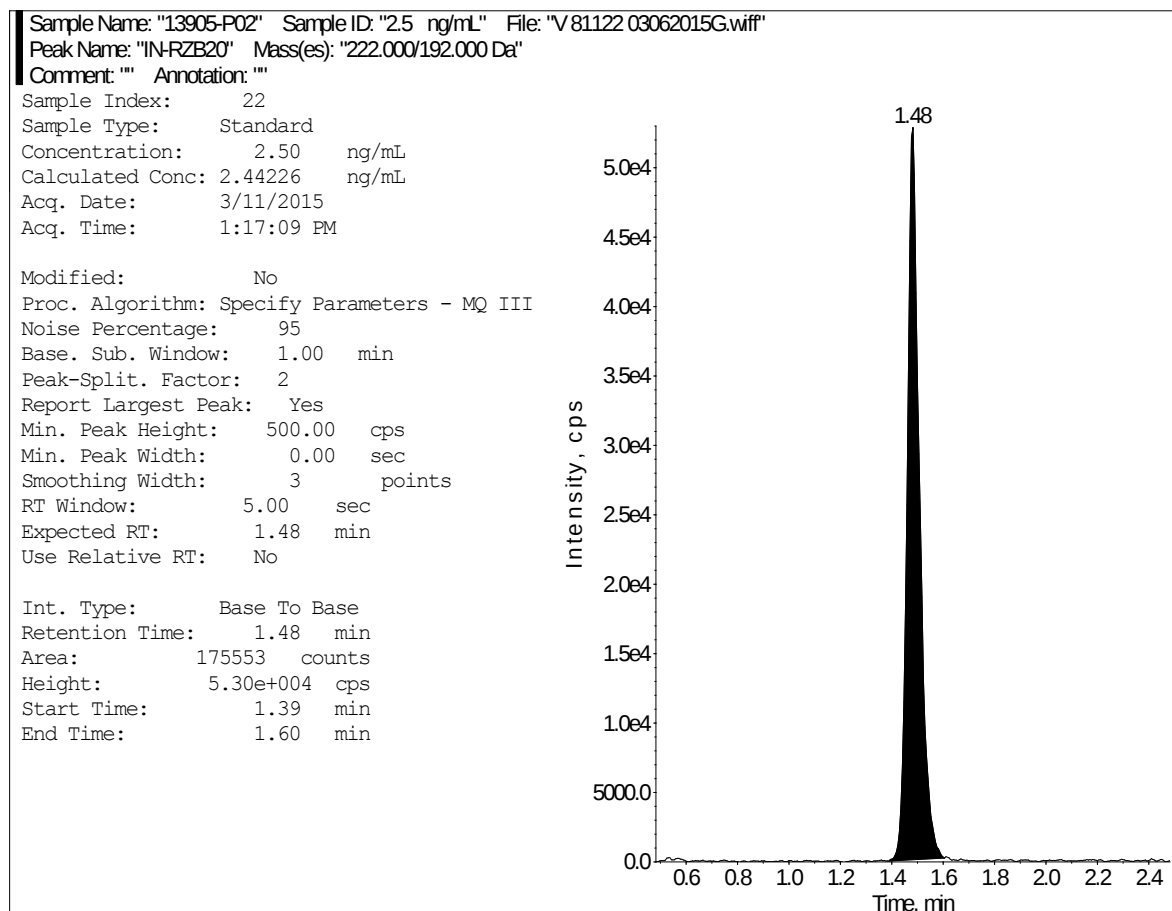
FIGURE 28 **Representative IN-RZB20 Calibration Standard**
Chromatograms (continued)

IN-RZB20 Standard @ 1.0 ng/mL, Set #001



**FIGURE 28 Representative IN-RZB20 Calibration Standard
Chromatograms (continued)**

IN-RZB20 Standard @ 2.5 ng/mL, Set #001



**FIGURE 28 Representative IN-RZB20 Calibration Standard
Chromatograms (continued)**

IN-RZB20 Standard @ 5.0 ng/mL, Set #001

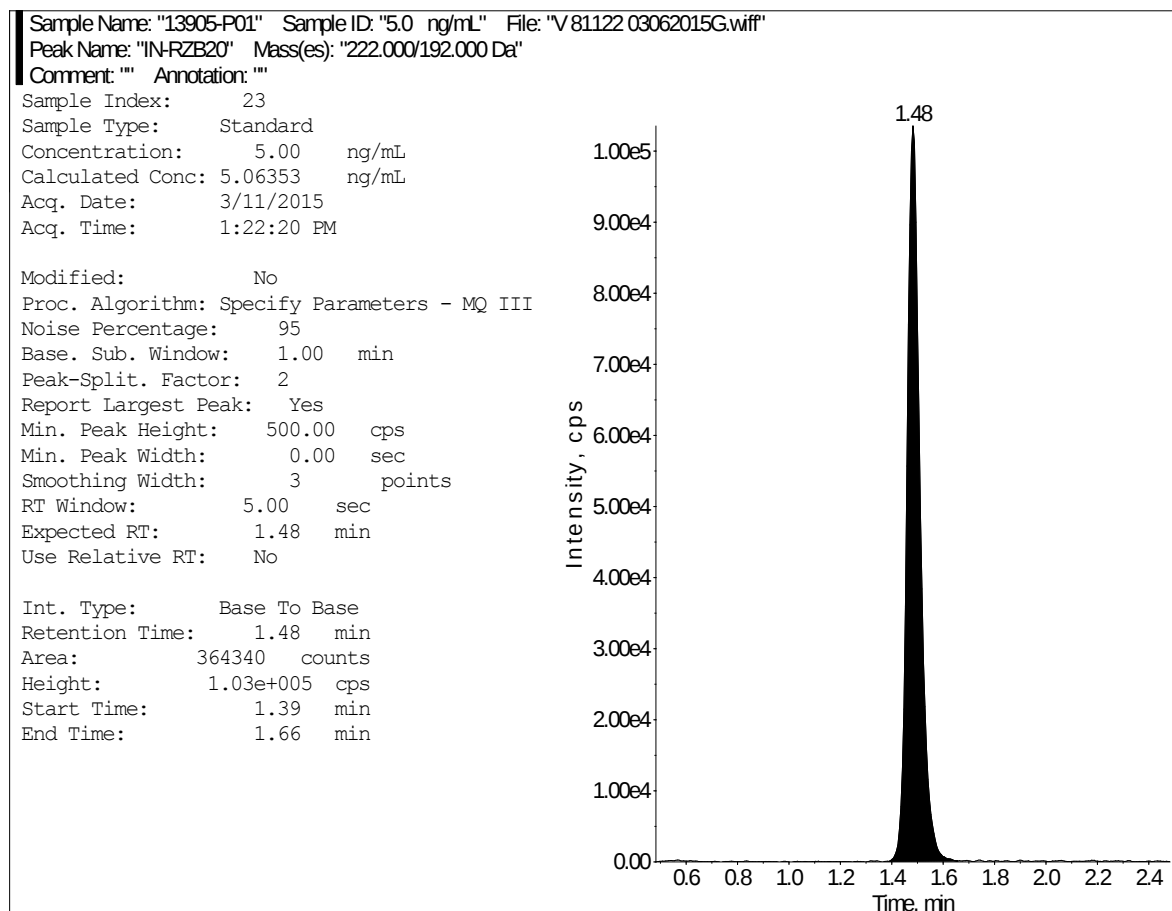
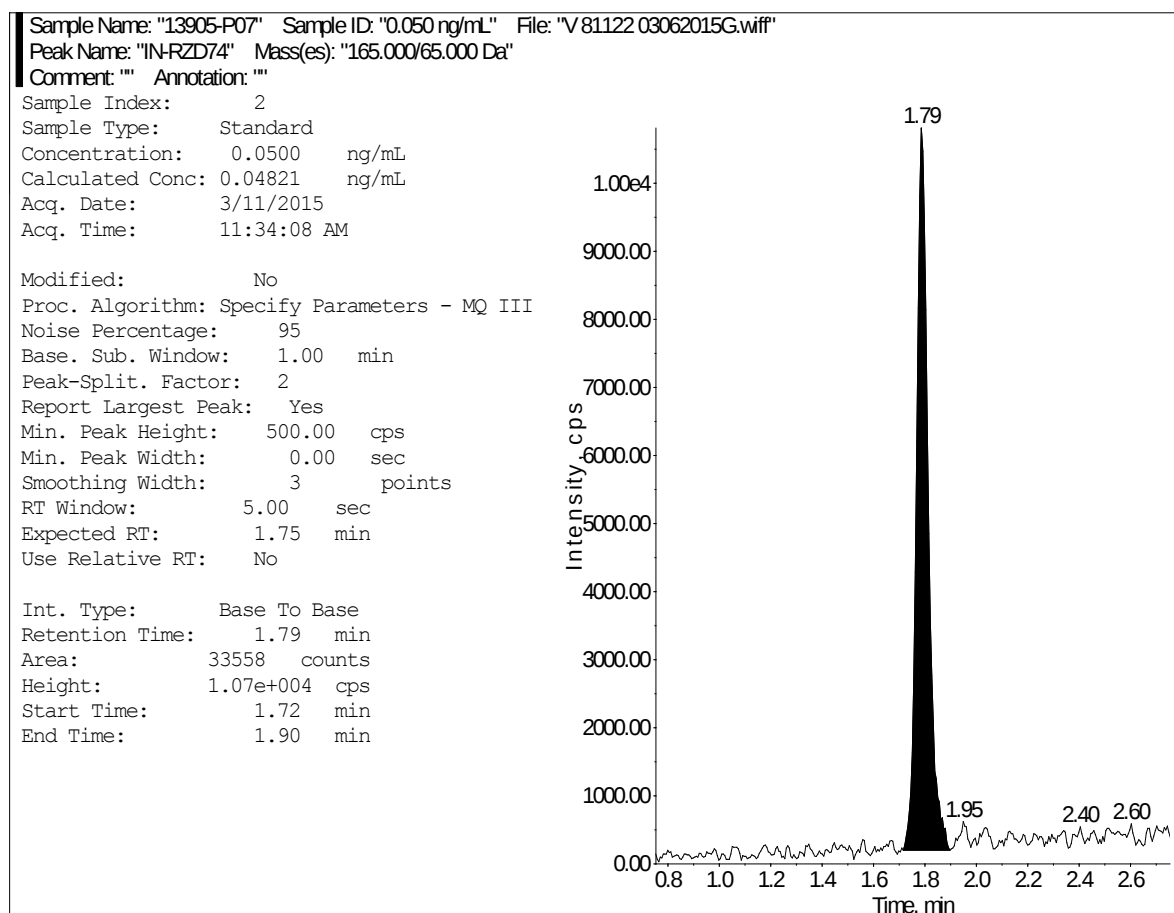


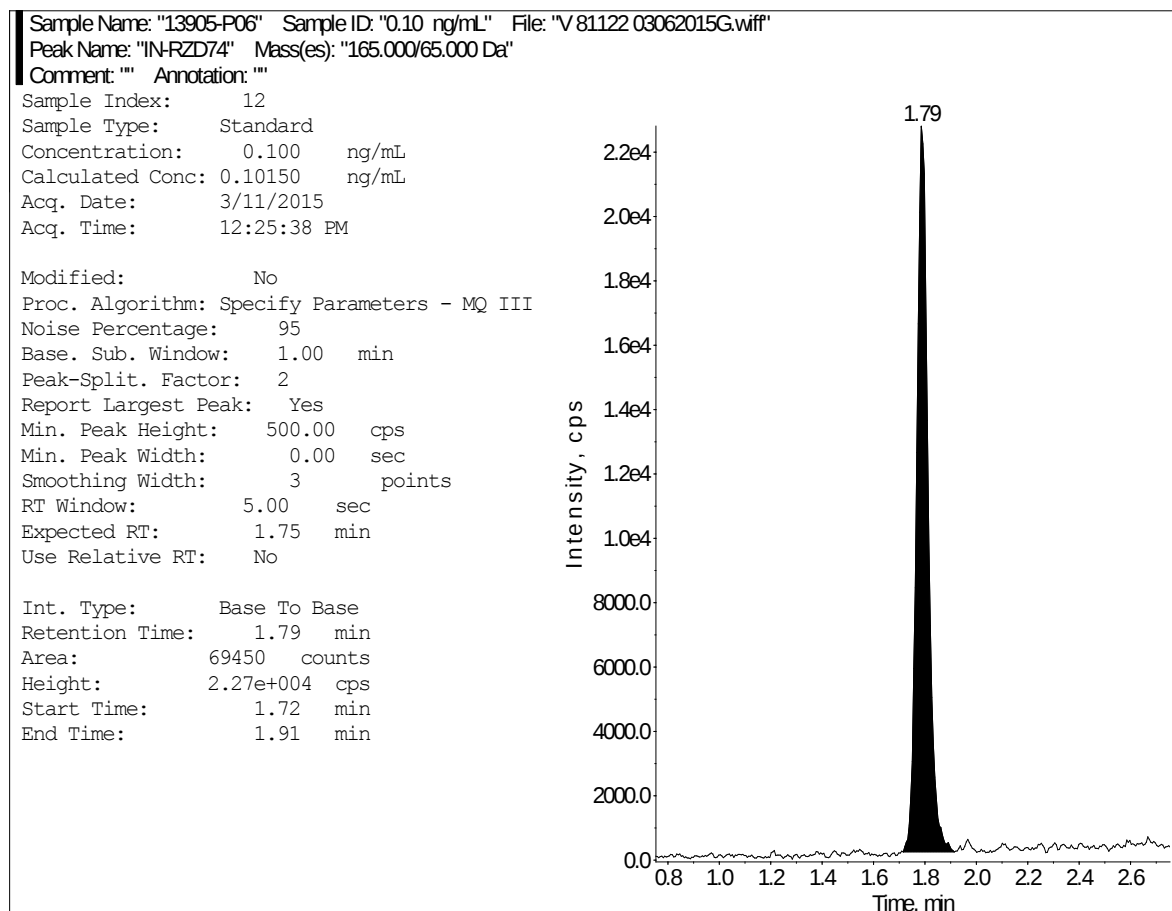
FIGURE 29 Representative IN-RZD74 Calibration Standard Chromatograms

IN-RZD74 Standard @ 0.050 ng/mL, Set #001



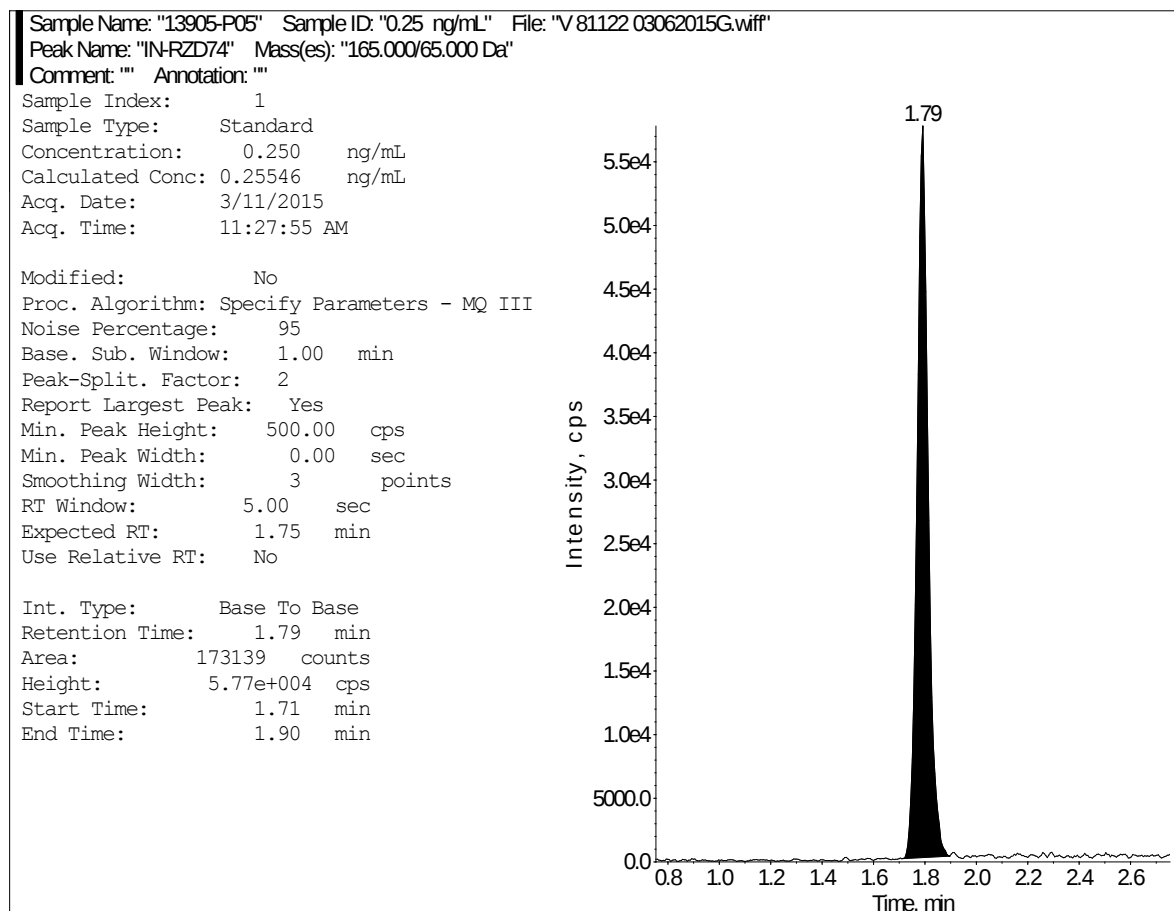
**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 0.10 ng/mL, Set #001



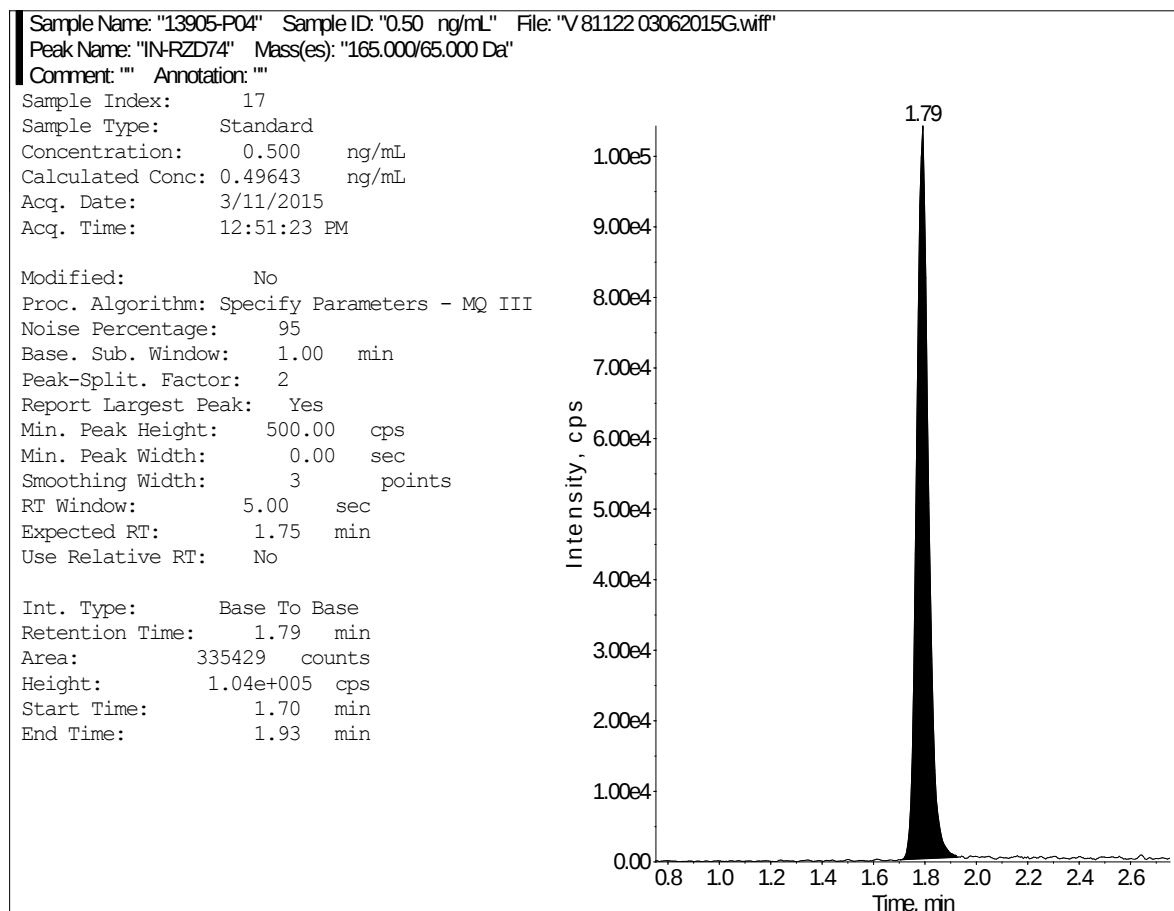
**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 0.25 ng/mL, Set #001



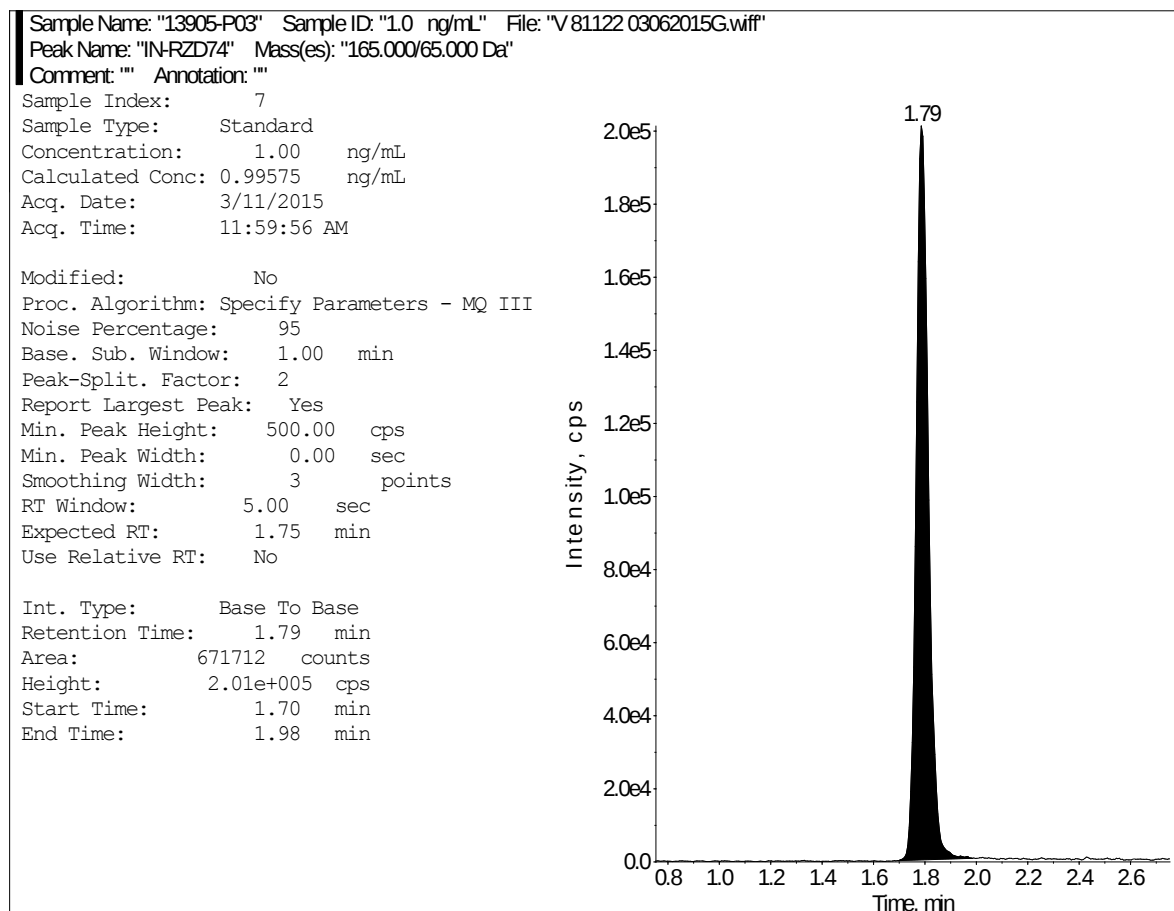
**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 0.50 ng/mL, Set #001



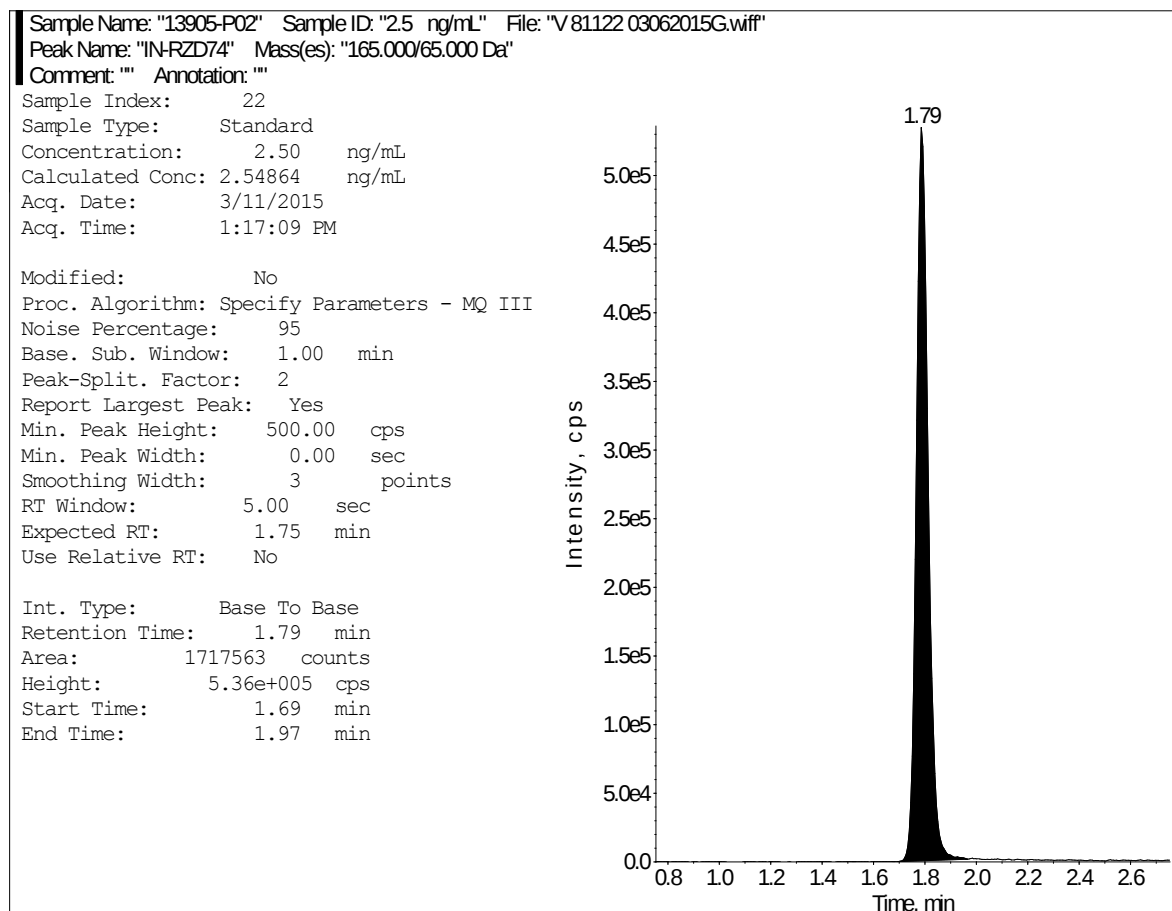
**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 1.0 ng/mL, Set #001



**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 2.5 ng/mL, Set #001



**FIGURE 29 Representative IN-RZD74 Calibration Standard
Chromatograms (continued)**

IN-RZD74 Standard @ 5.0 ng/mL, Set #001

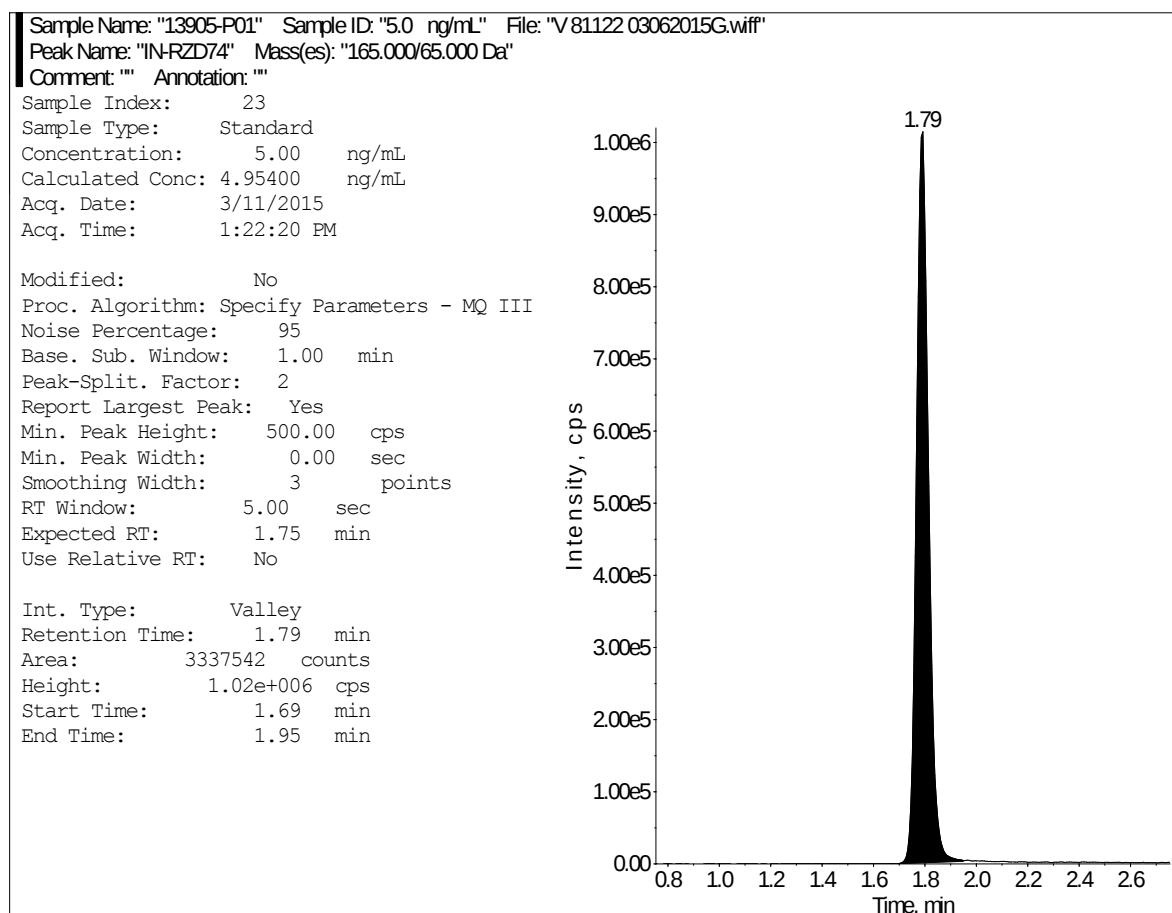


FIGURE 30 Representative IN-WR791 Calibration Standard Chromatograms

IN-WR791 Standard @ 0.050 ng/mL, Set #001

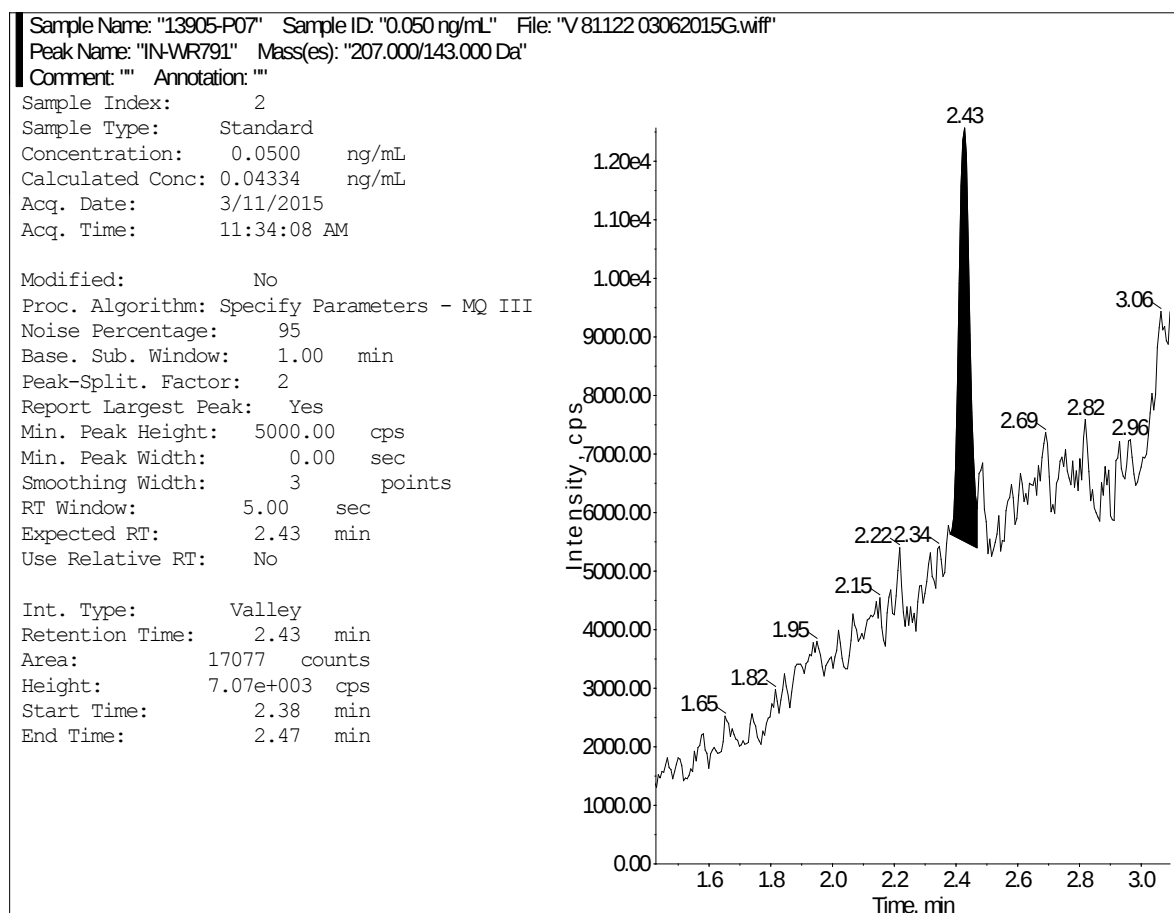


FIGURE 30 Representative IN-WR791 Calibration Standard Chromatograms (continued)

IN-WR791 Standard @ 0.10 ng/mL, Set #001

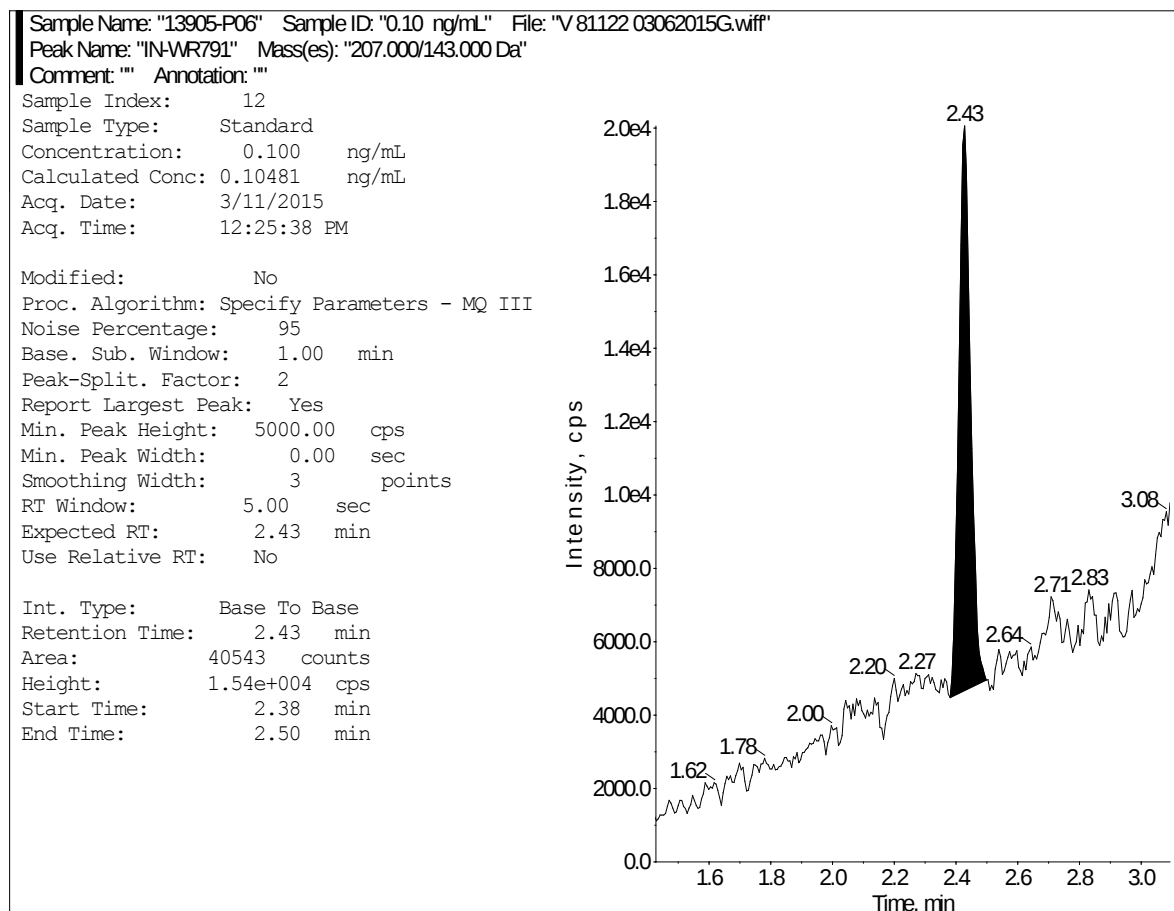
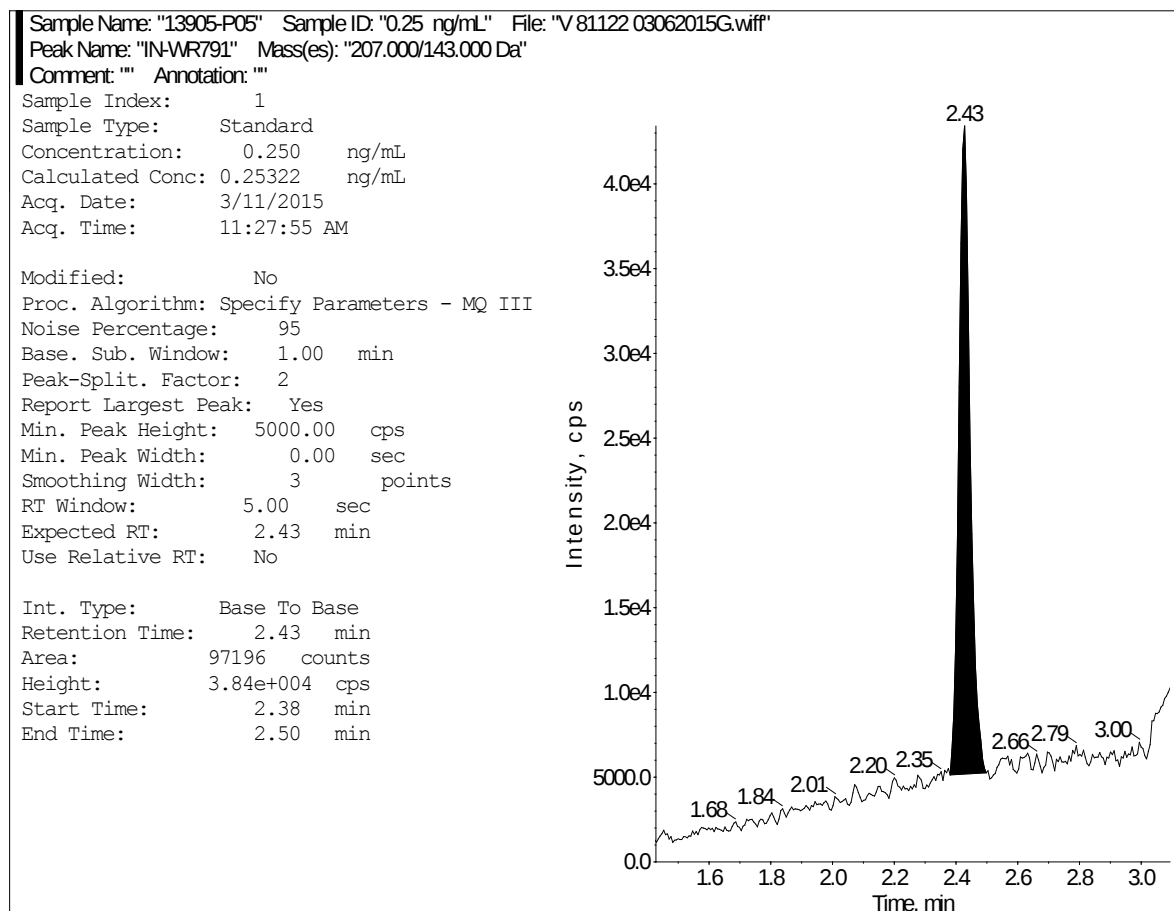


FIGURE 30 **Representative IN-WR791 Calibration Standard**
Chromatograms (continued)

IN-WR791 Standard @ 0.25 ng/mL, Set #001



**FIGURE 30 Representative IN-WR791 Calibration Standard
Chromatograms (continued)**

IN-WR791 Standard @ 0.50 ng/mL, Set #001

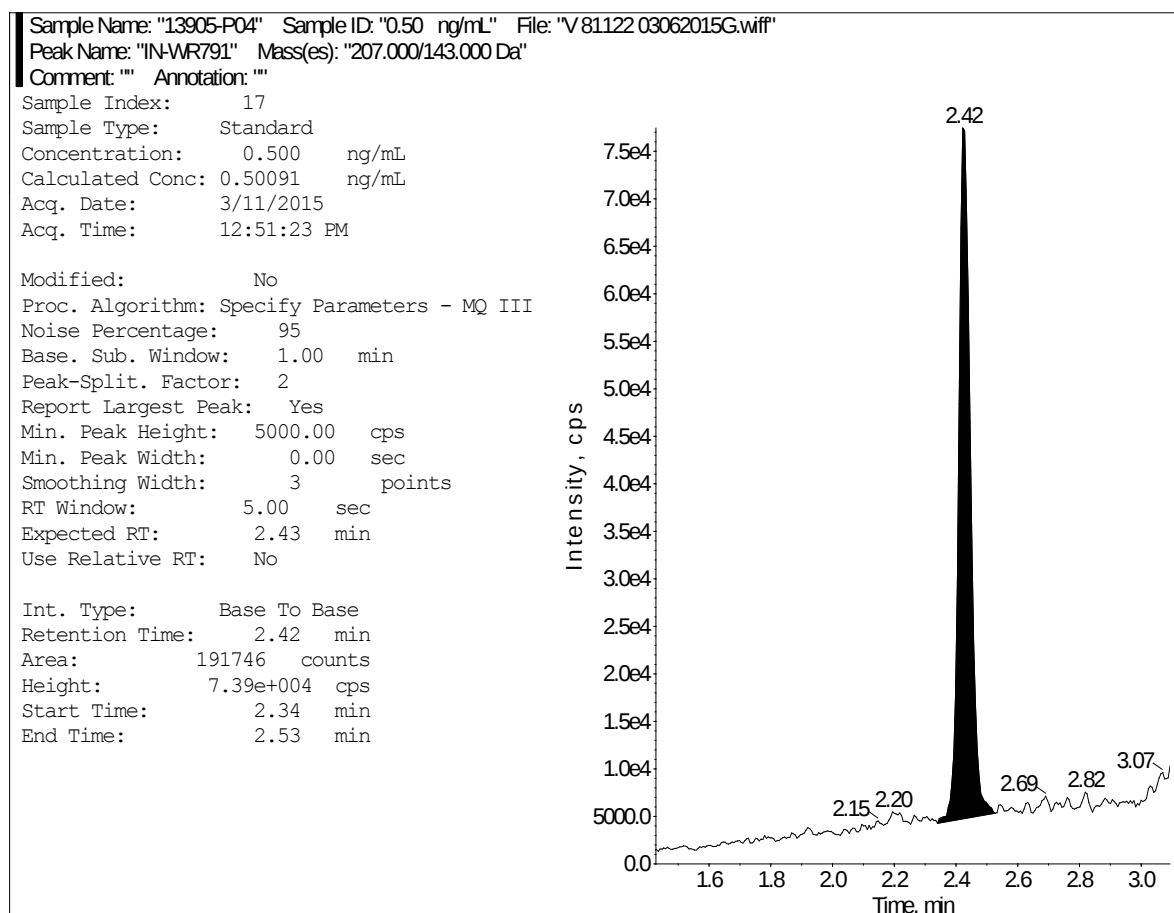
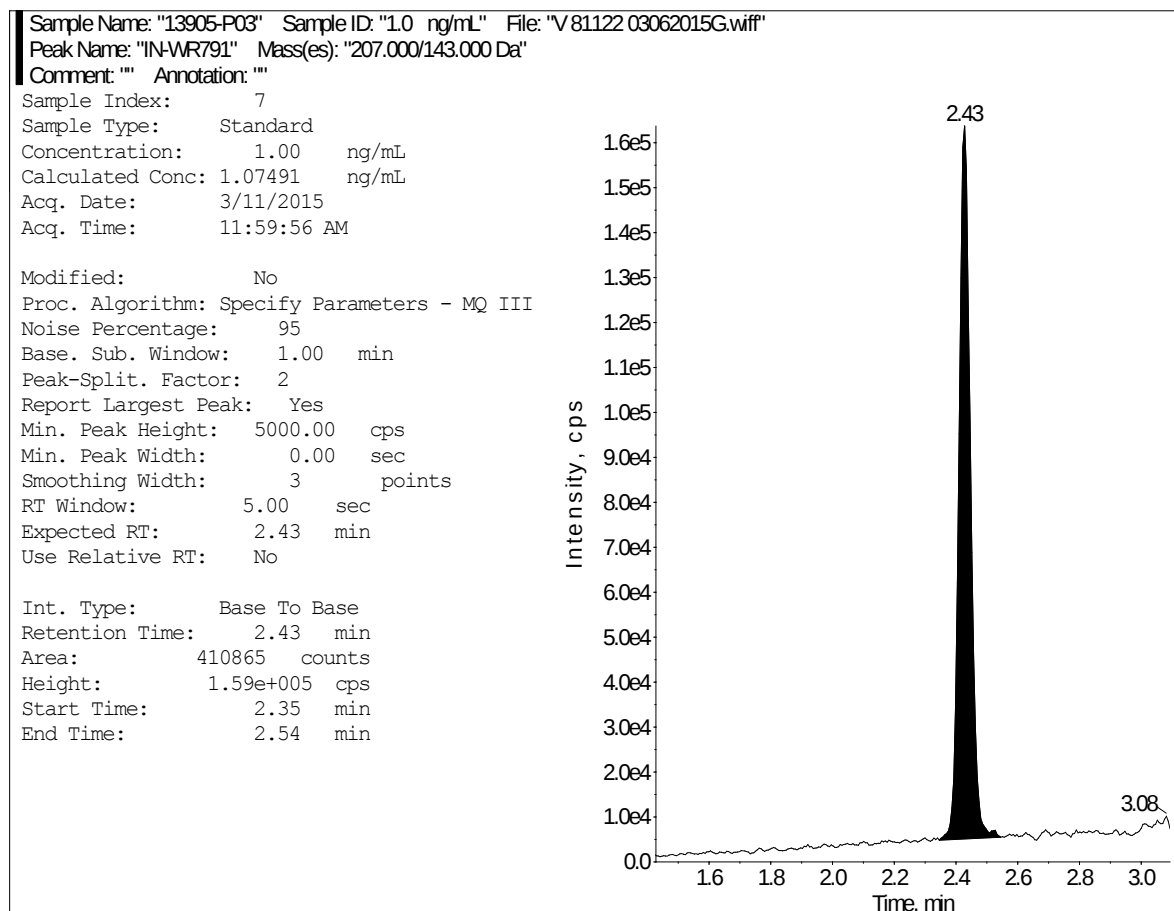


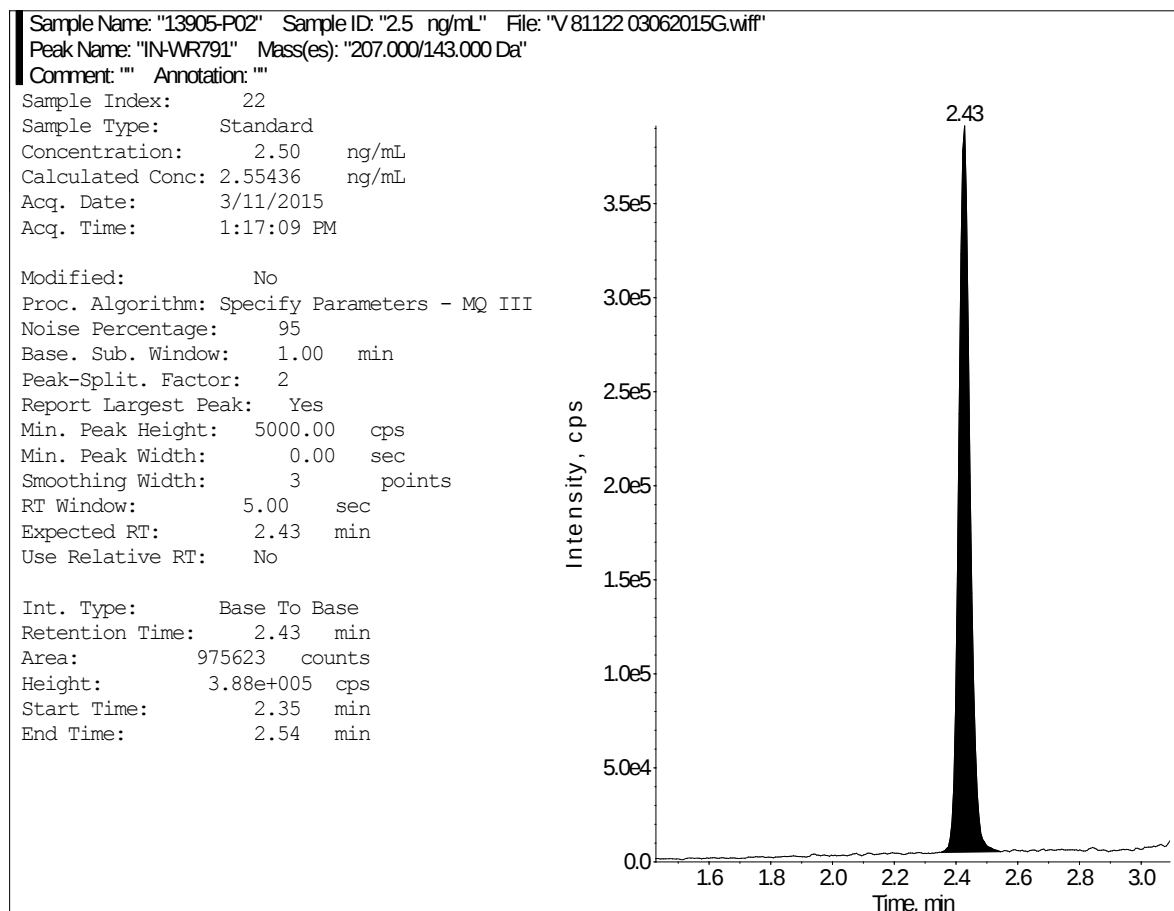
FIGURE 30 Representative IN-WR791 Calibration Standard Chromatograms (continued)

IN-WR791 Standard @ 1.0 ng/mL, Set #001



**FIGURE 30 Representative IN-WR791 Calibration Standard
Chromatograms (continued)**

IN-WR791 Standard @ 2.5 ng/mL, Set #001



**FIGURE 30 Representative IN-WR791 Calibration Standard
Chromatograms (continued)**

IN-WR791 Standard @ 5.0 ng/mL, Set #001

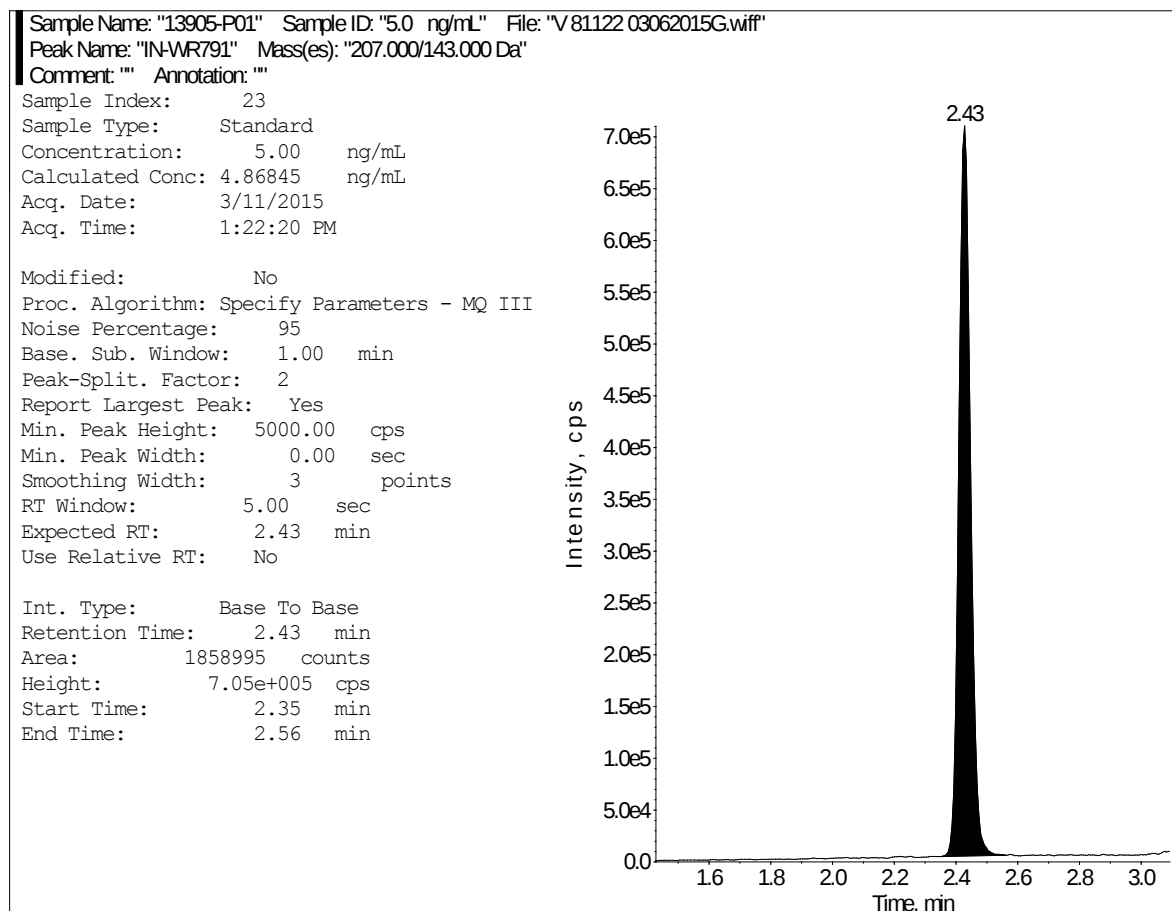
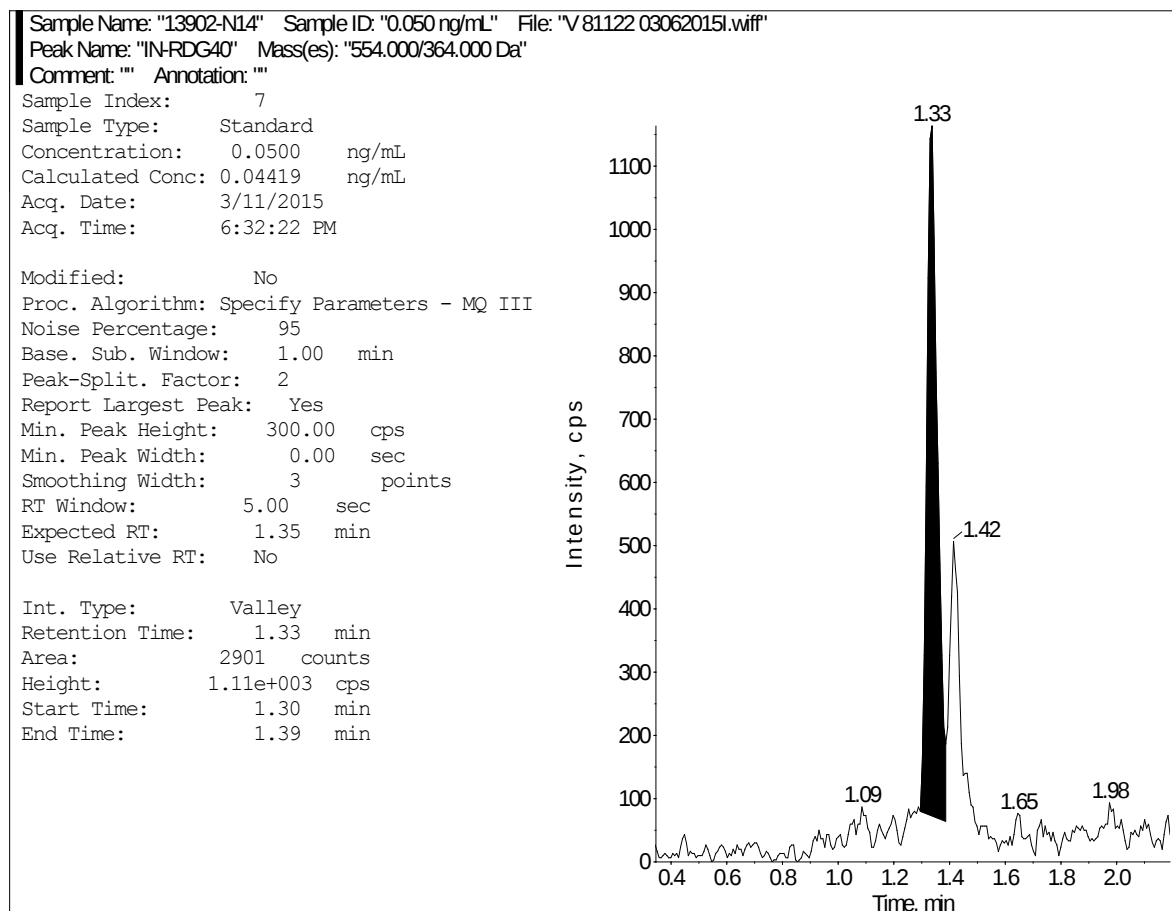


FIGURE 31 Representative IN-RDG40 Calibration Standard Chromatograms

IN-RDG40 Standard @ 0.050 ng/mL, Set #001



**FIGURE 31 Representative IN-RDG40 Calibration Standard
Chromatograms (continued)**

IN-RDG40 Standard @ 0.10 ng/mL, Set #001

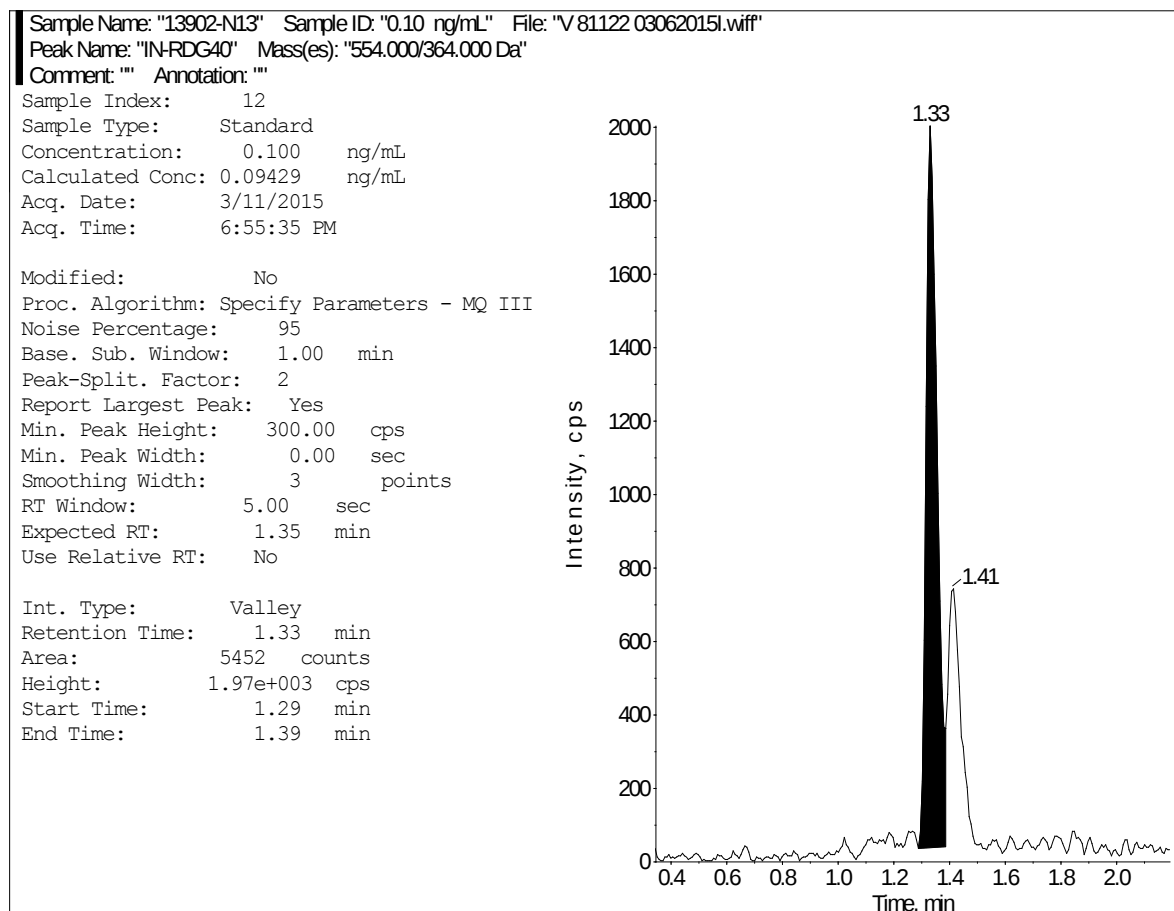


FIGURE 31 **Representative IN-RDG40 Calibration Standard**
Chromatograms (continued)

IN-RDG40 Standard @ 0.25 ng/mL, Set #001

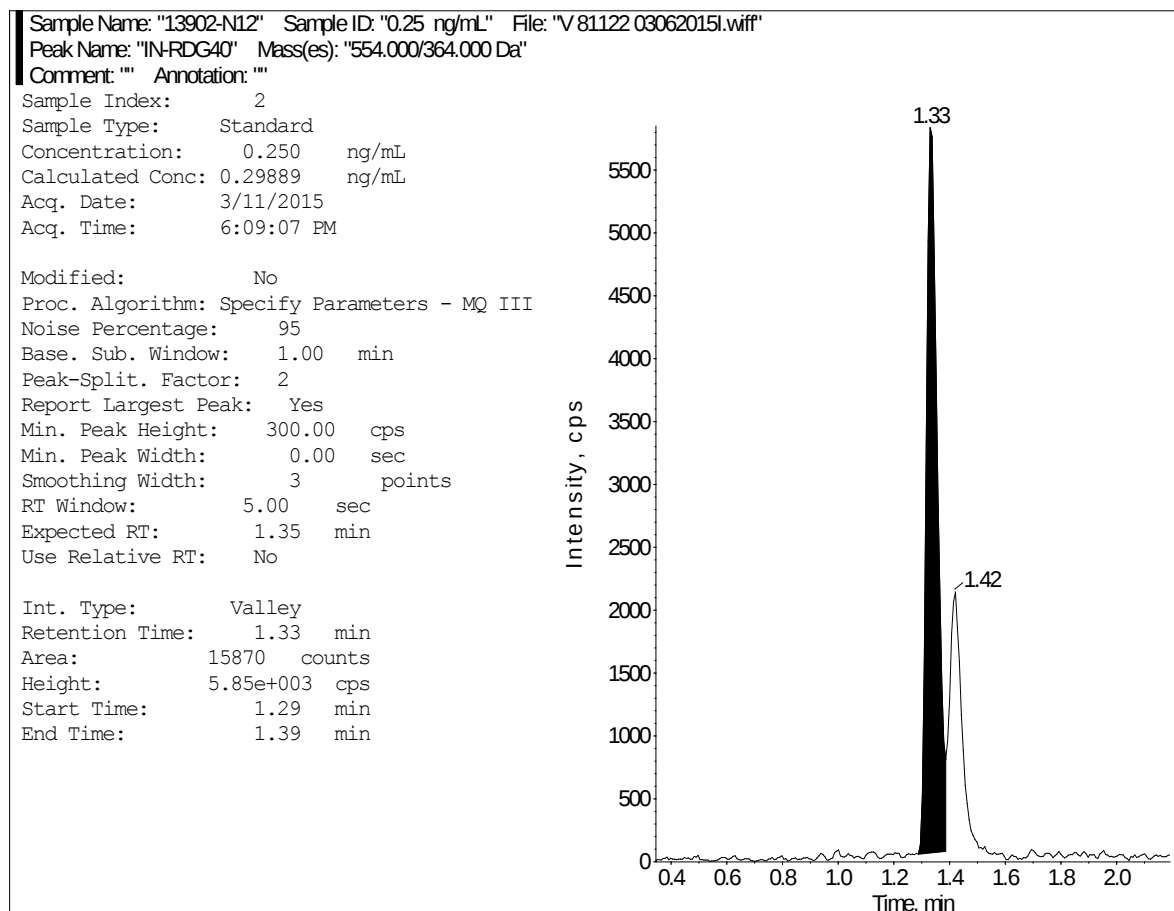


FIGURE 31 **Representative IN-RDG40 Calibration Standard**
Chromatograms (continued)

IN-RDG40 Standard @ 0.50 ng/mL, Set #001

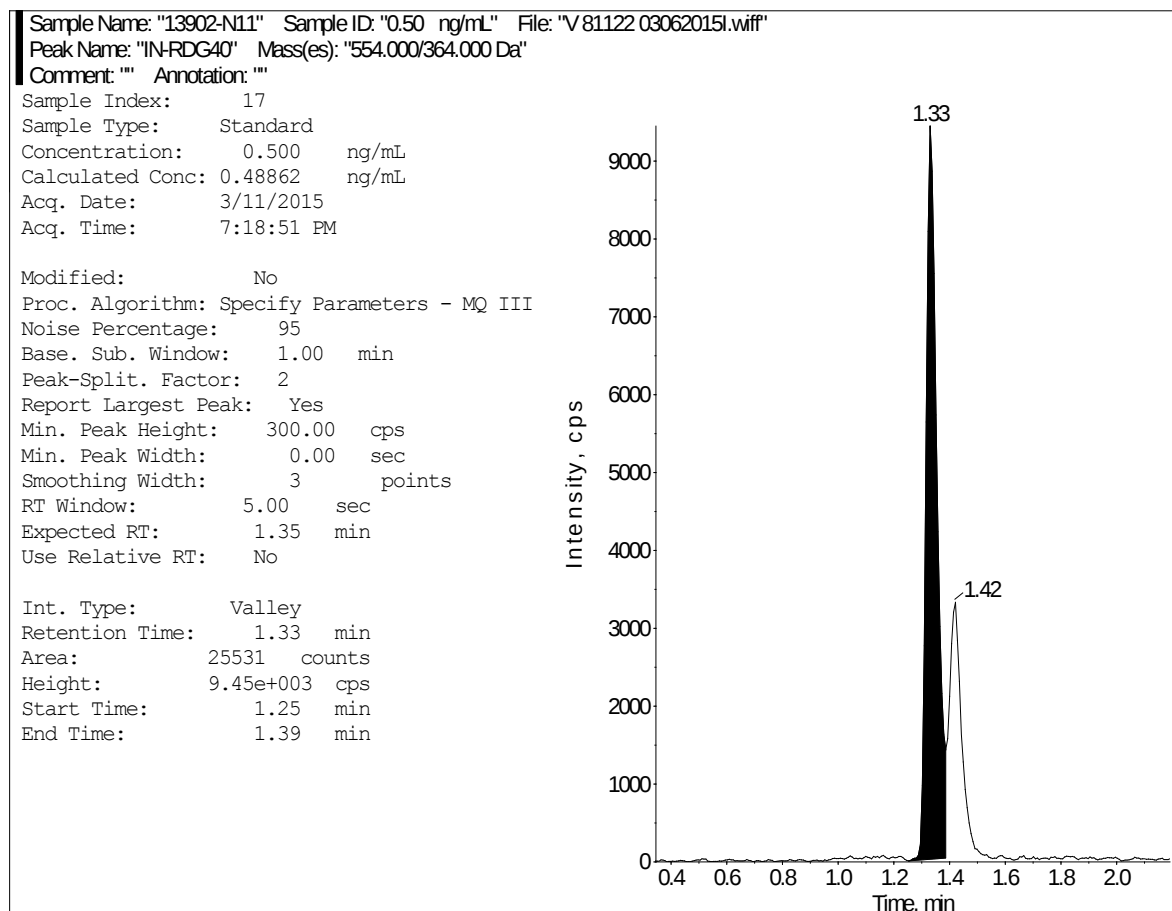
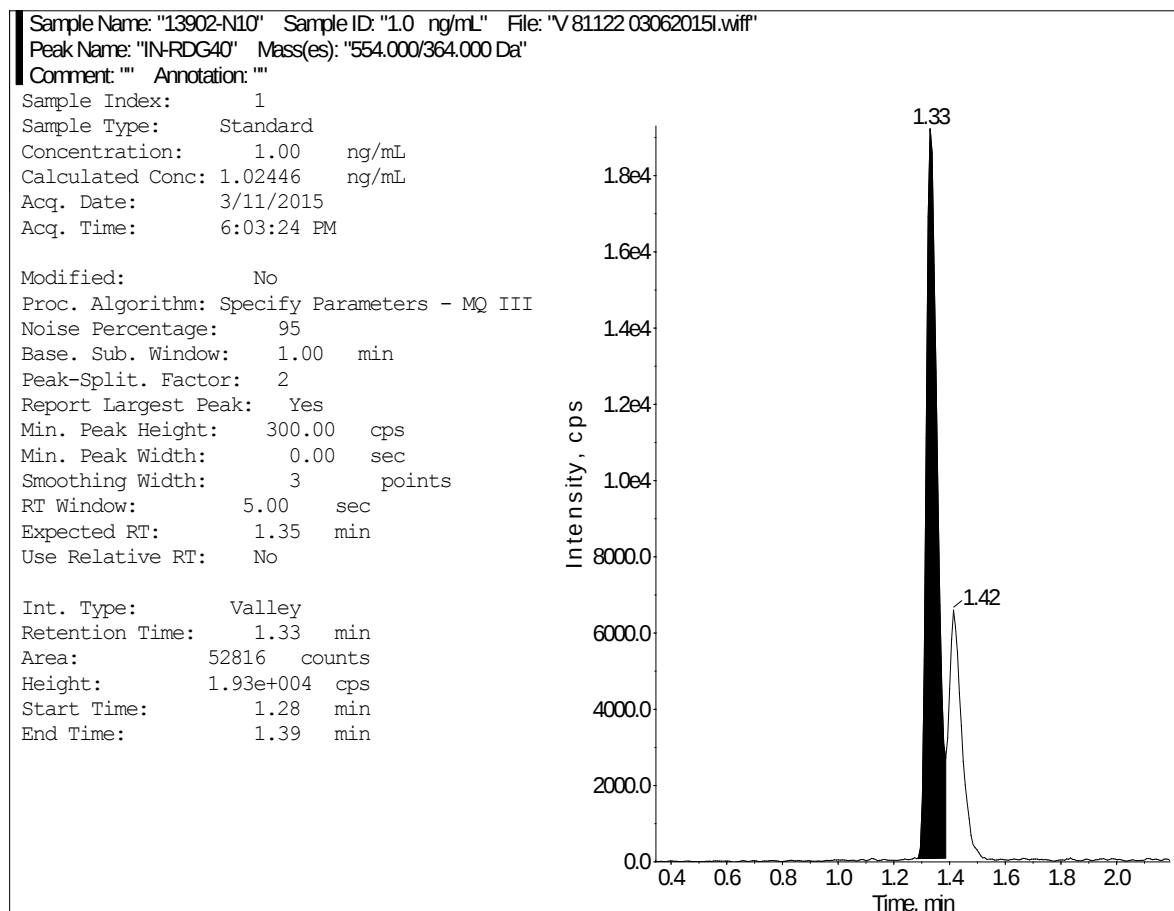


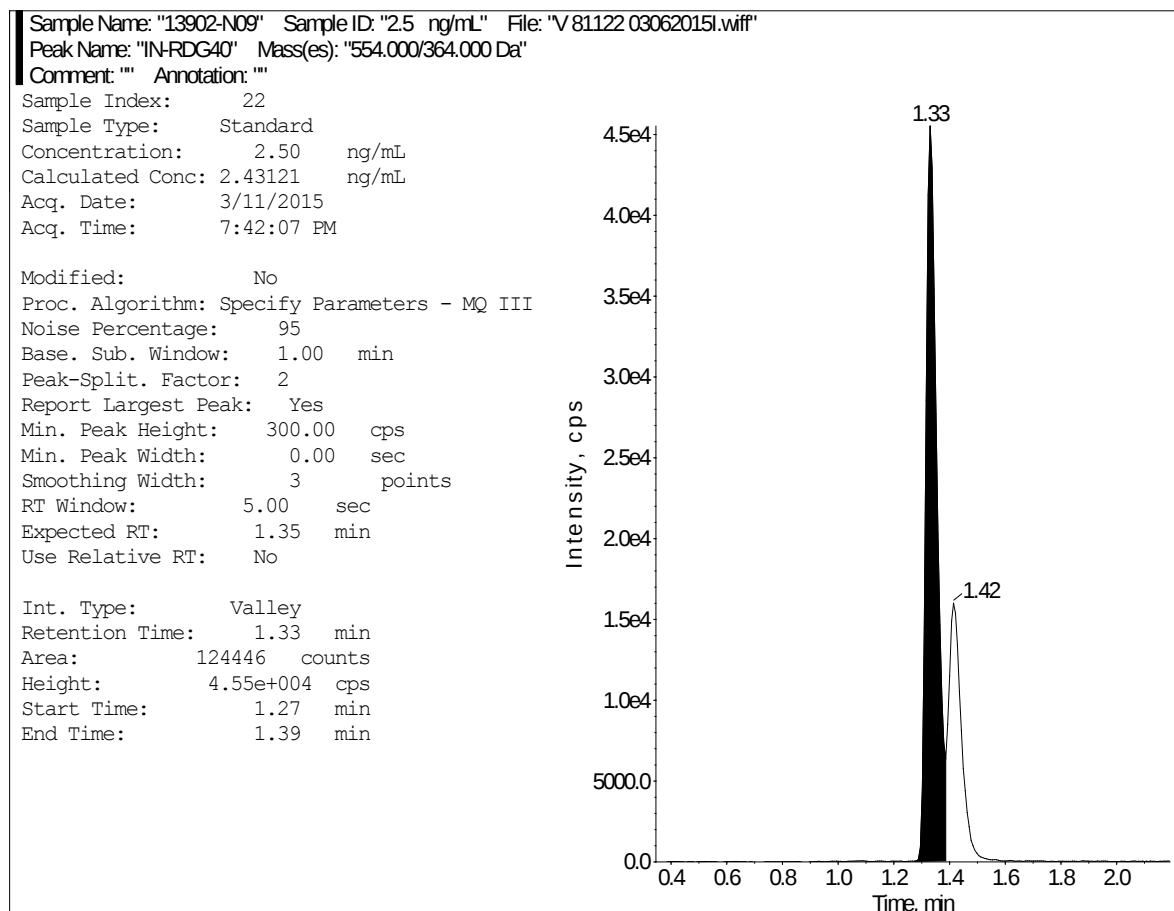
FIGURE 31 **Representative IN-RDG40 Calibration Standard**
Chromatograms (continued)

IN-RDG40 Standard @ 1.0 ng/mL, Set #001



**FIGURE 31 Representative IN-RDG40 Calibration Standard
Chromatograms (continued)**

IN-RDG40 Standard @ 2.5 ng/mL, Set #001



**FIGURE 31 Representative IN-RDG40 Calibration Standard
Chromatograms (continued)**

IN-RDG40 Standard @ 5.0 ng/mL, Set #001

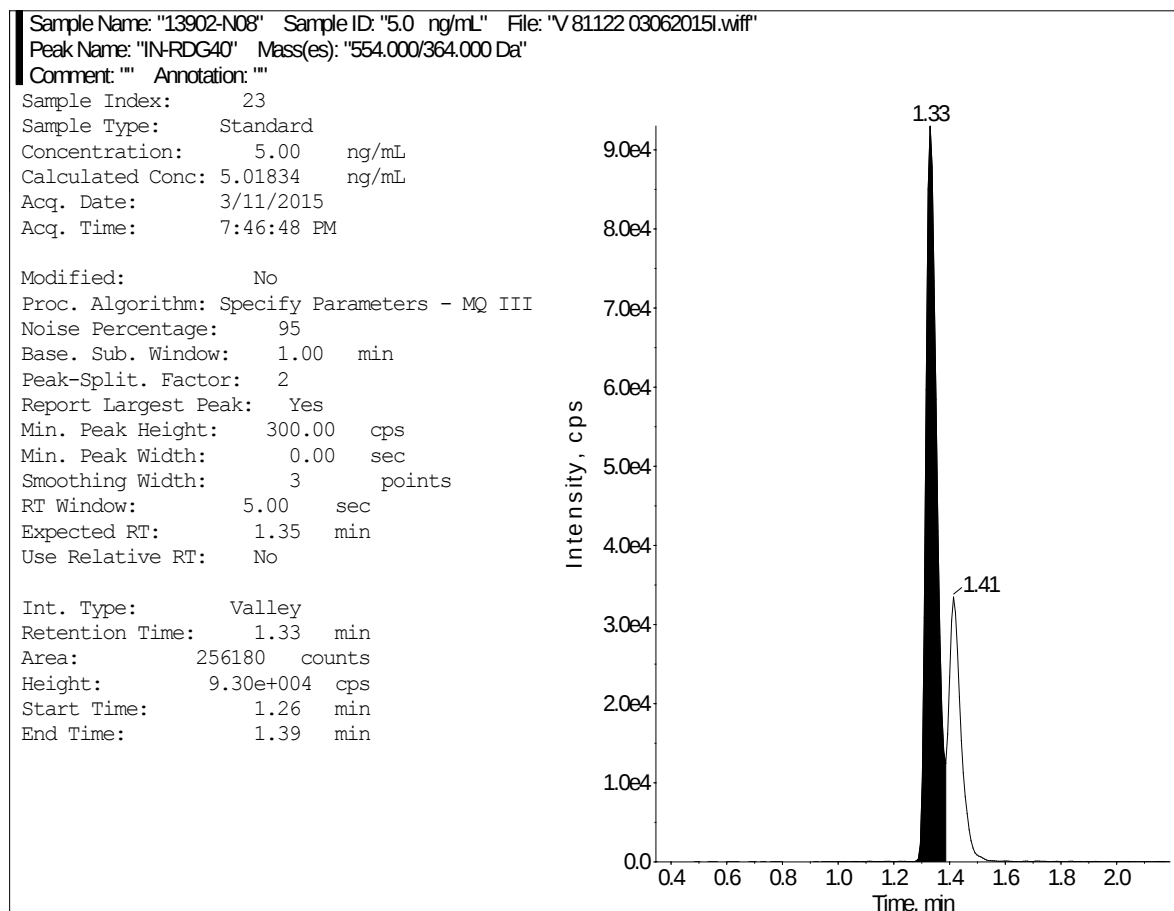


FIGURE 32 Representative IN-Q7H09 Calibration Standard Chromatograms

IN-Q7H09 Standard @ 0.050 ng/mL, Set #001

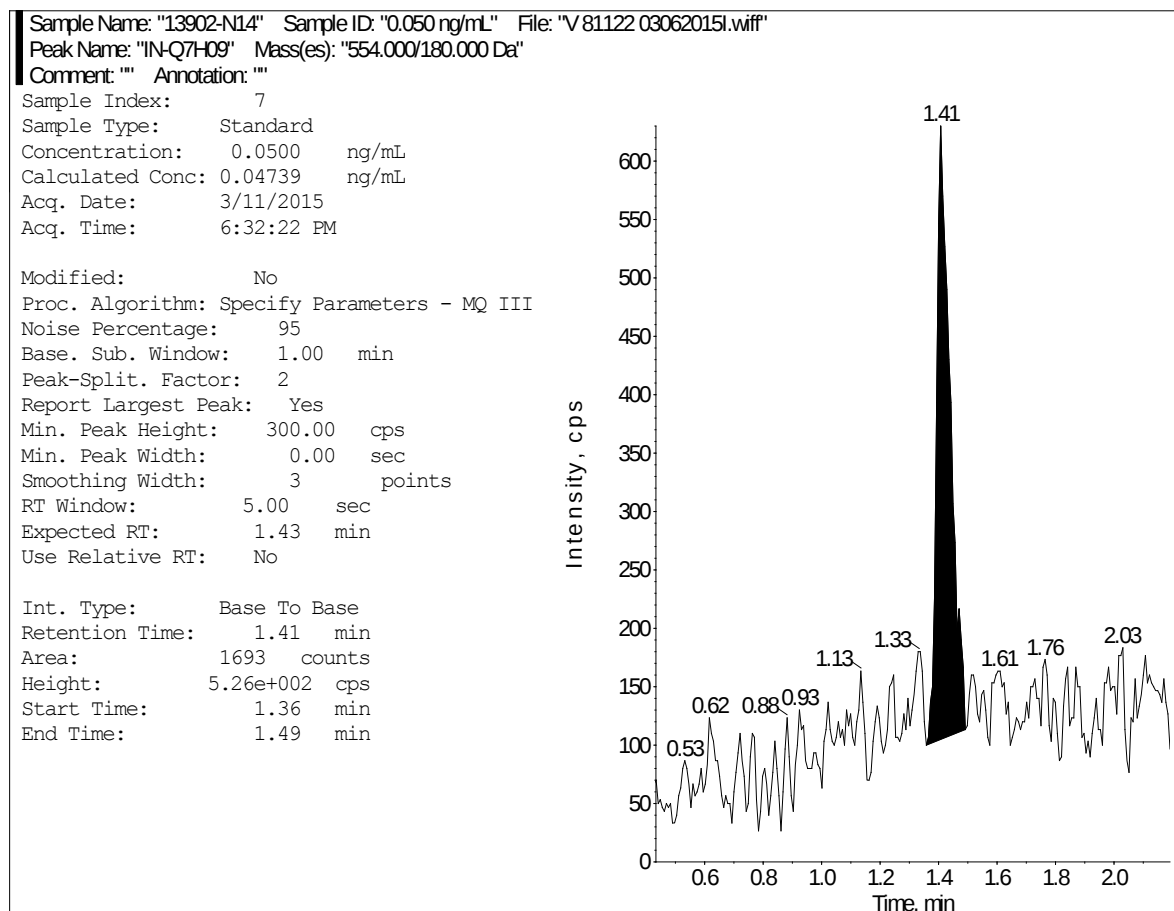


FIGURE 32 Representative IN-Q7H09 Calibration Standard Chromatograms (continued)

IN-Q7H09 Standard @ 0.10 ng/mL, Set #001

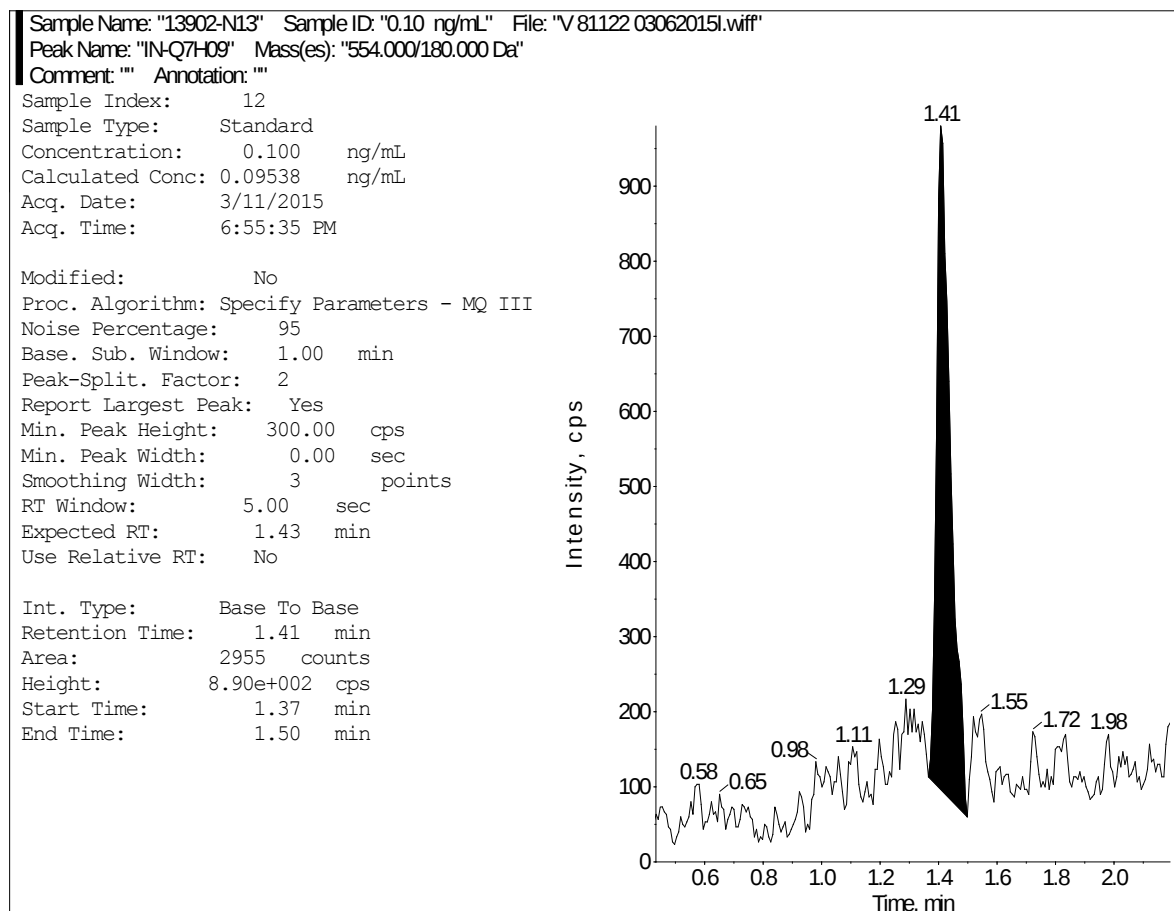
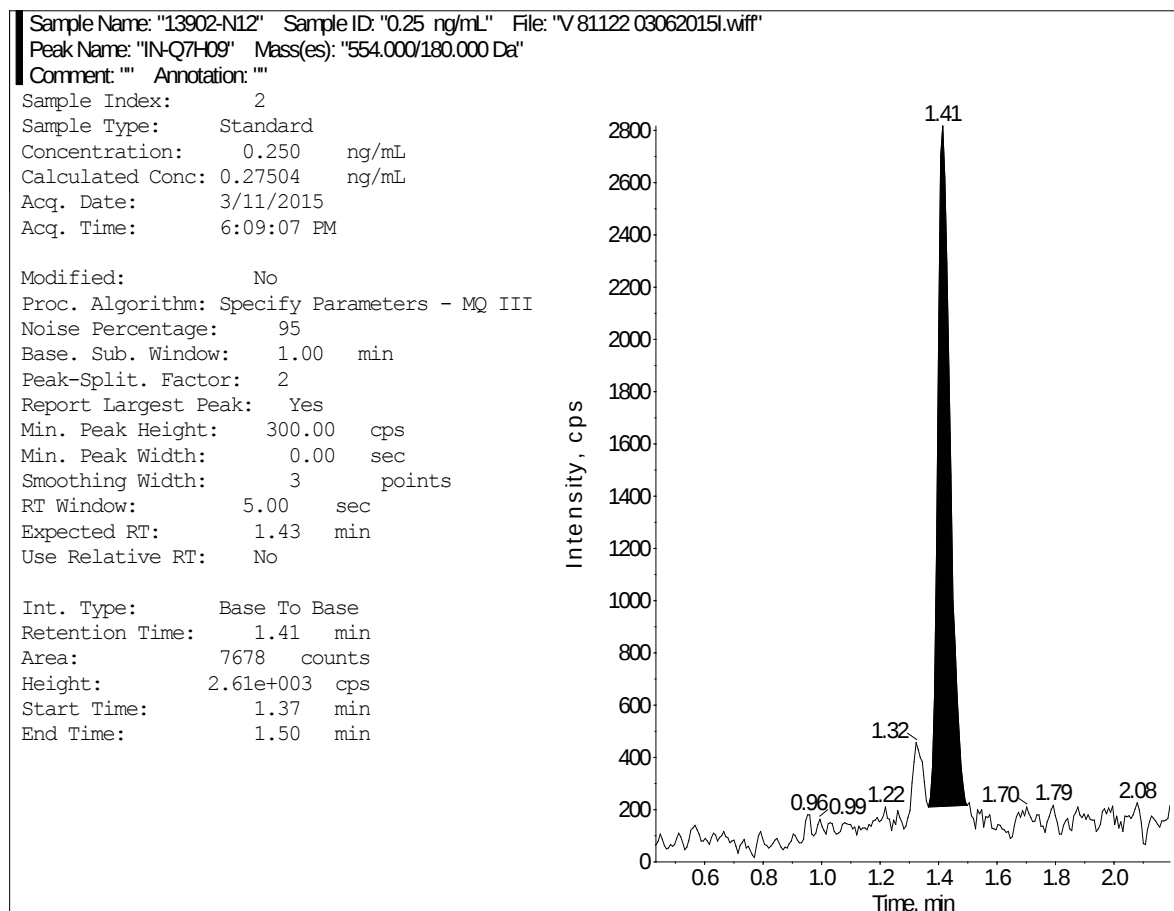


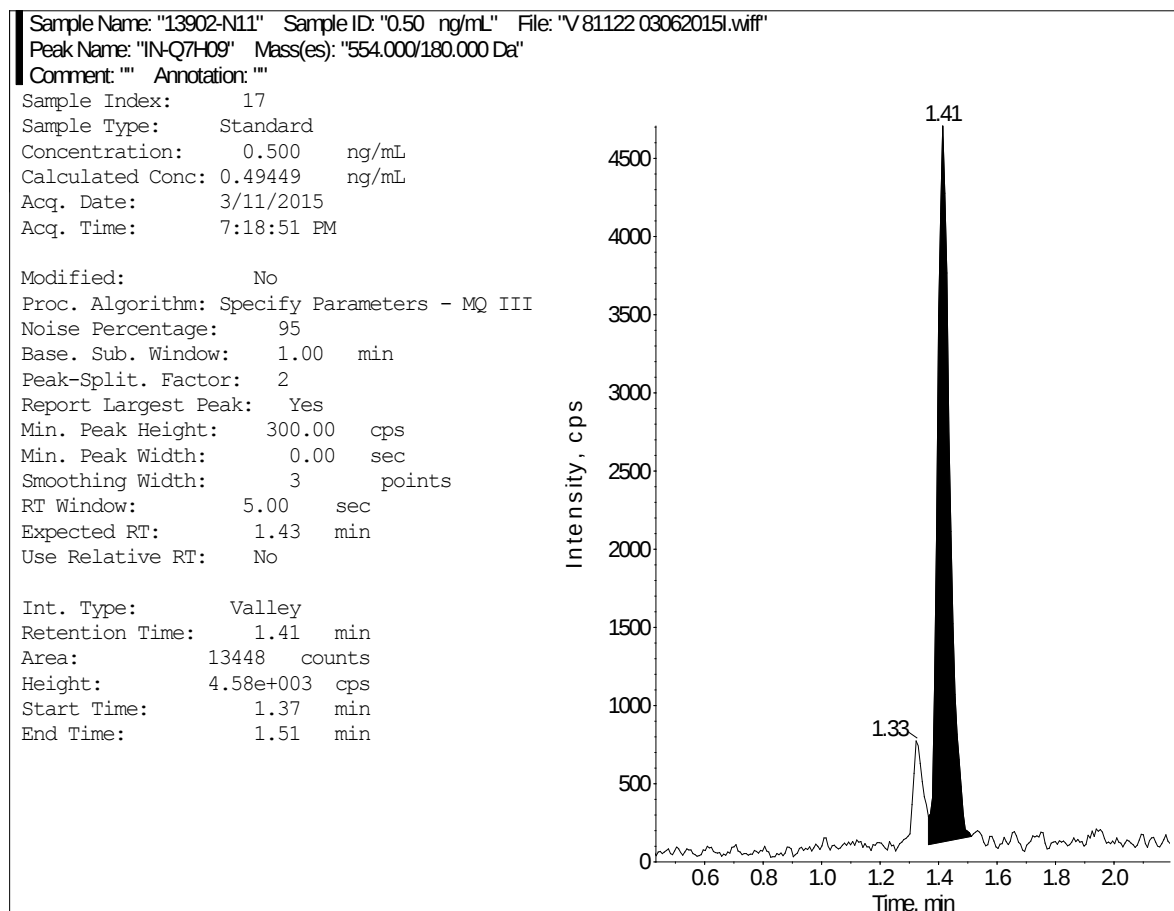
FIGURE 32 Representative IN-Q7H09 Calibration Standard Chromatograms (continued)

IN-Q7H09 Standard @ 0.25 ng/mL, Set #001



**FIGURE 32 Representative IN-Q7H09 Calibration Standard
Chromatograms (continued)**

IN-Q7H09 Standard @ 0.50 ng/mL, Set #001



**FIGURE 32 Representative IN-Q7H09 Calibration Standard
Chromatograms (continued)**

IN-Q7H09 Standard @ 1.0 ng/mL, Set #001

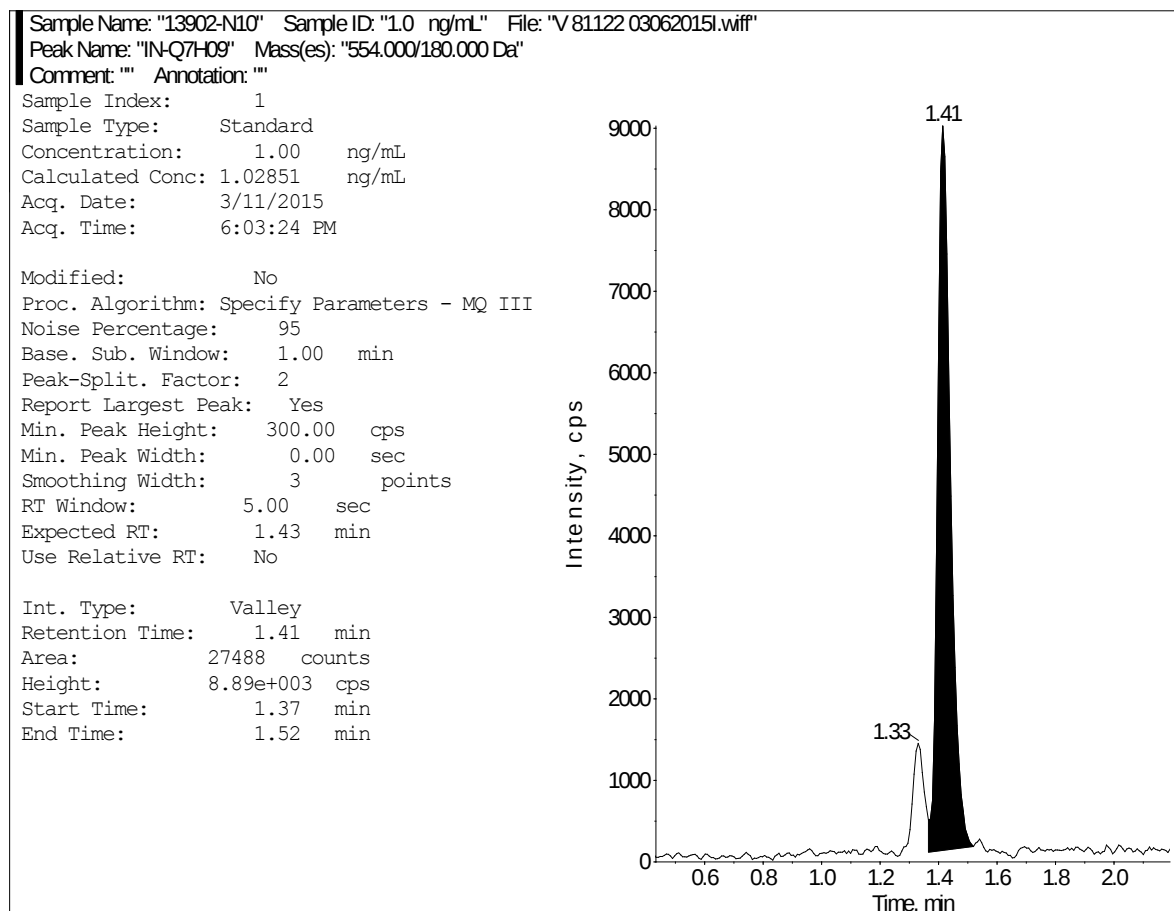
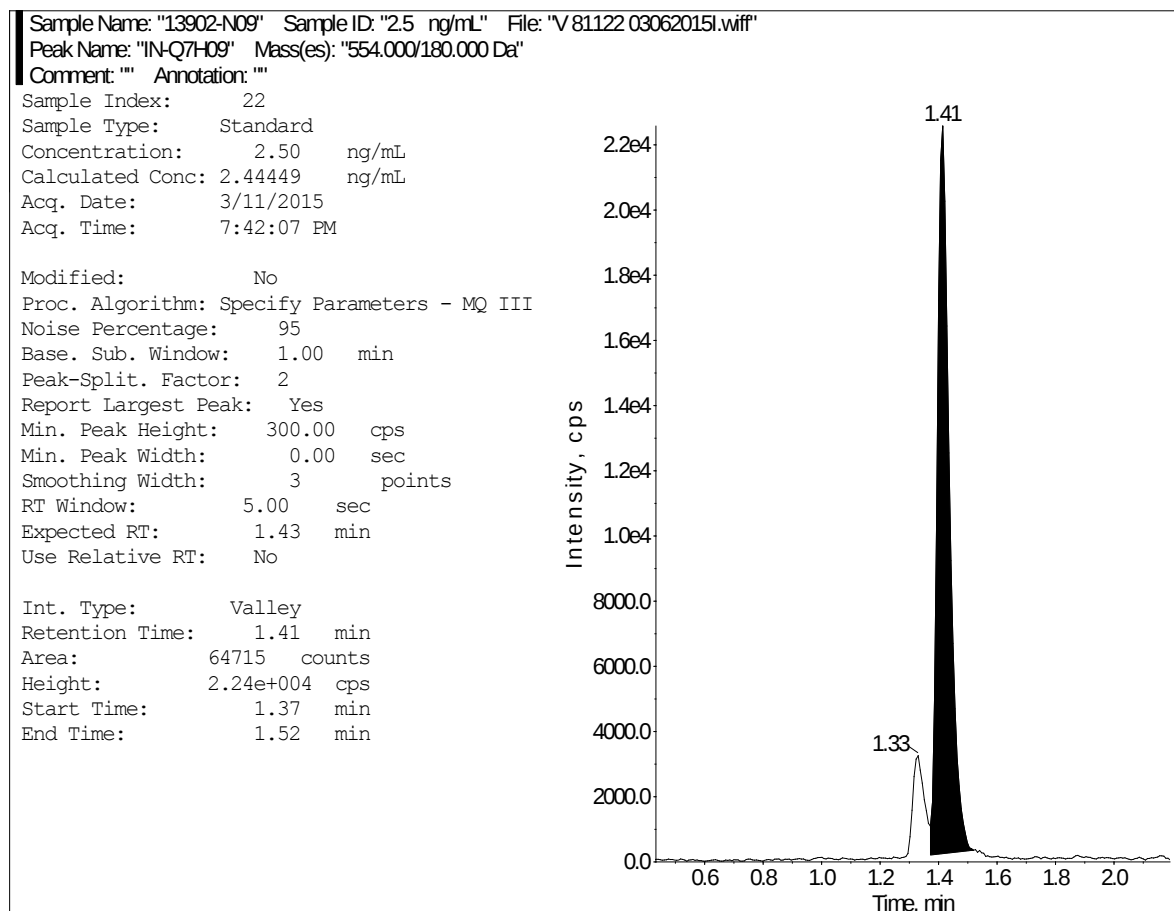


FIGURE 32 **Representative IN-Q7H09 Calibration Standard**
Chromatograms (continued)

IN-Q7H09 Standard @ 2.5 ng/mL, Set #001



**FIGURE 32 Representative IN-Q7H09 Calibration Standard
Chromatograms (continued)**

IN-Q7H09 Standard @ 5.0 ng/mL, Set #001

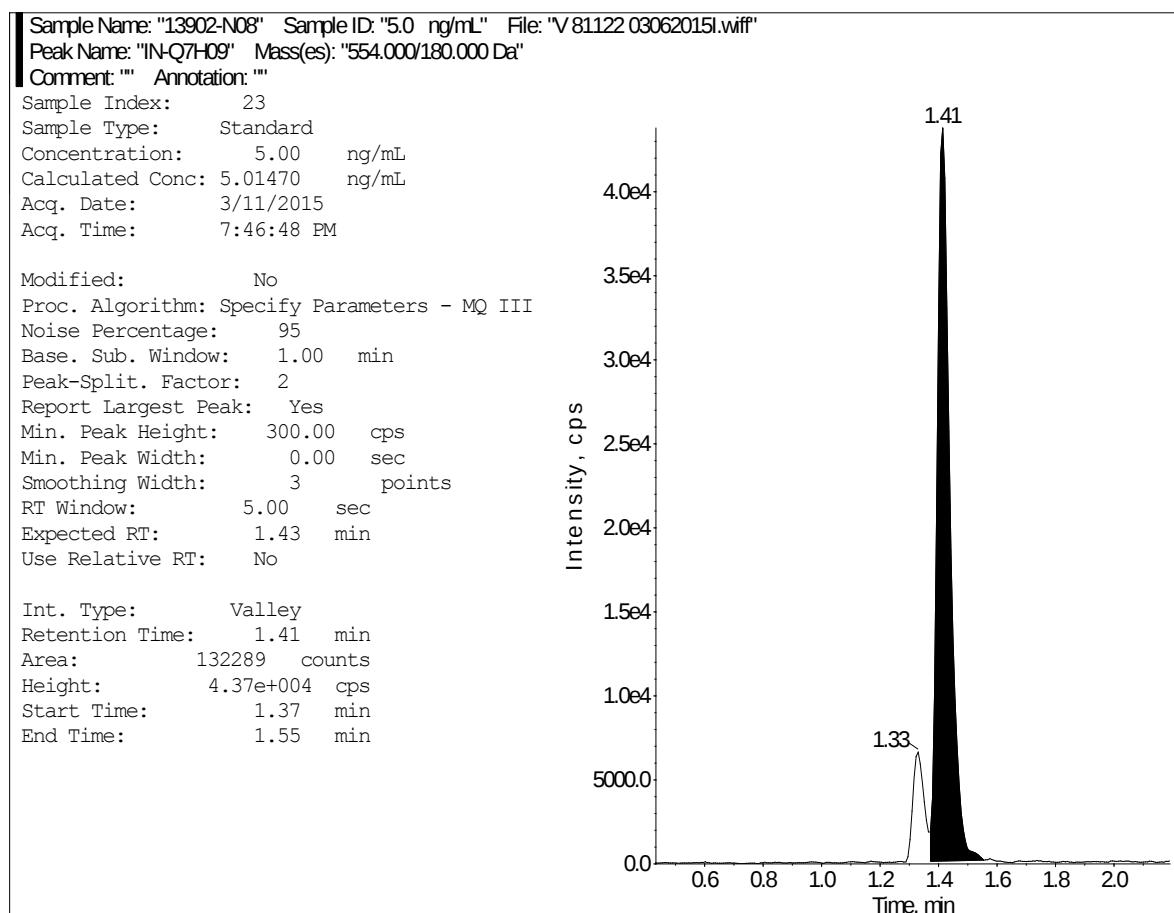


FIGURE 33 Representative Calibration Curve – DPX-QGU42

Calibration Curve
Set #001

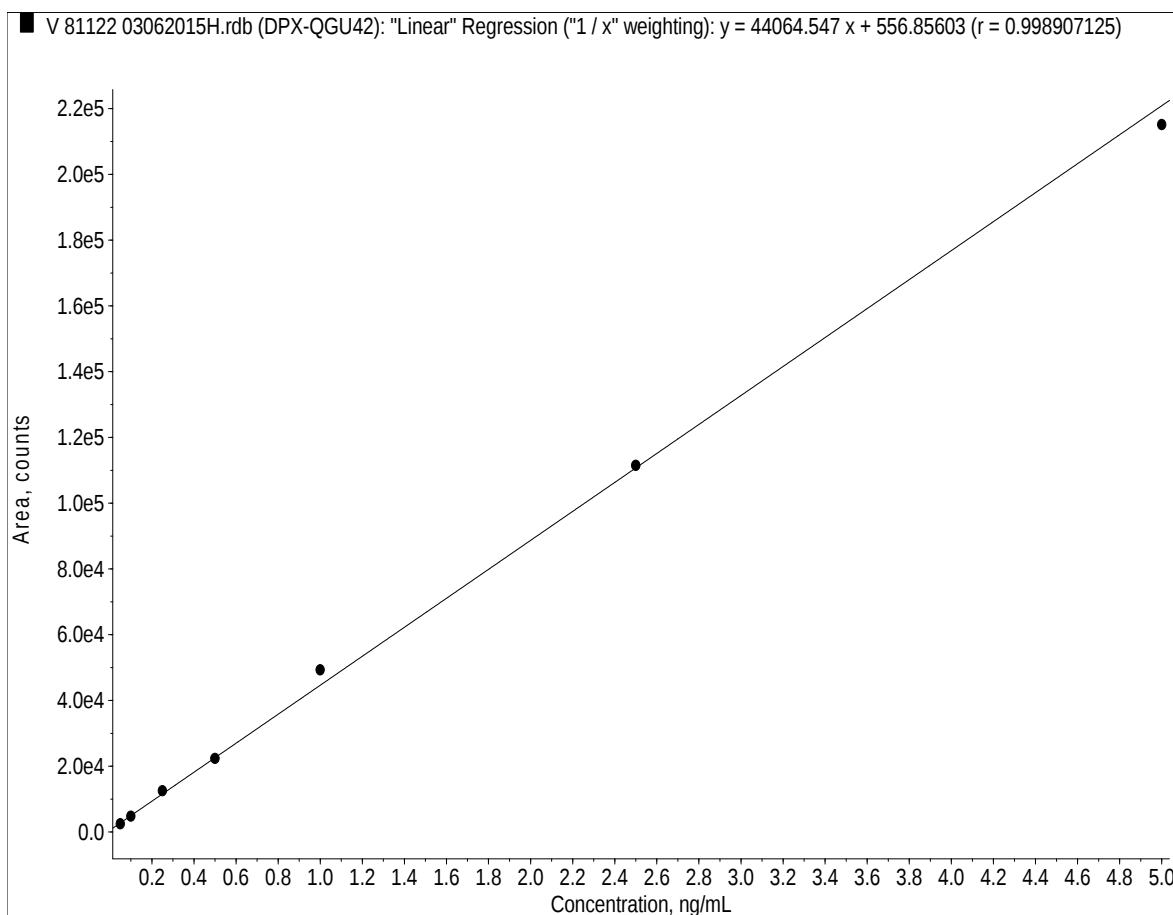


FIGURE 34 Representative Calibration Curve – IN-SXS67

Calibration Curve
Set #001

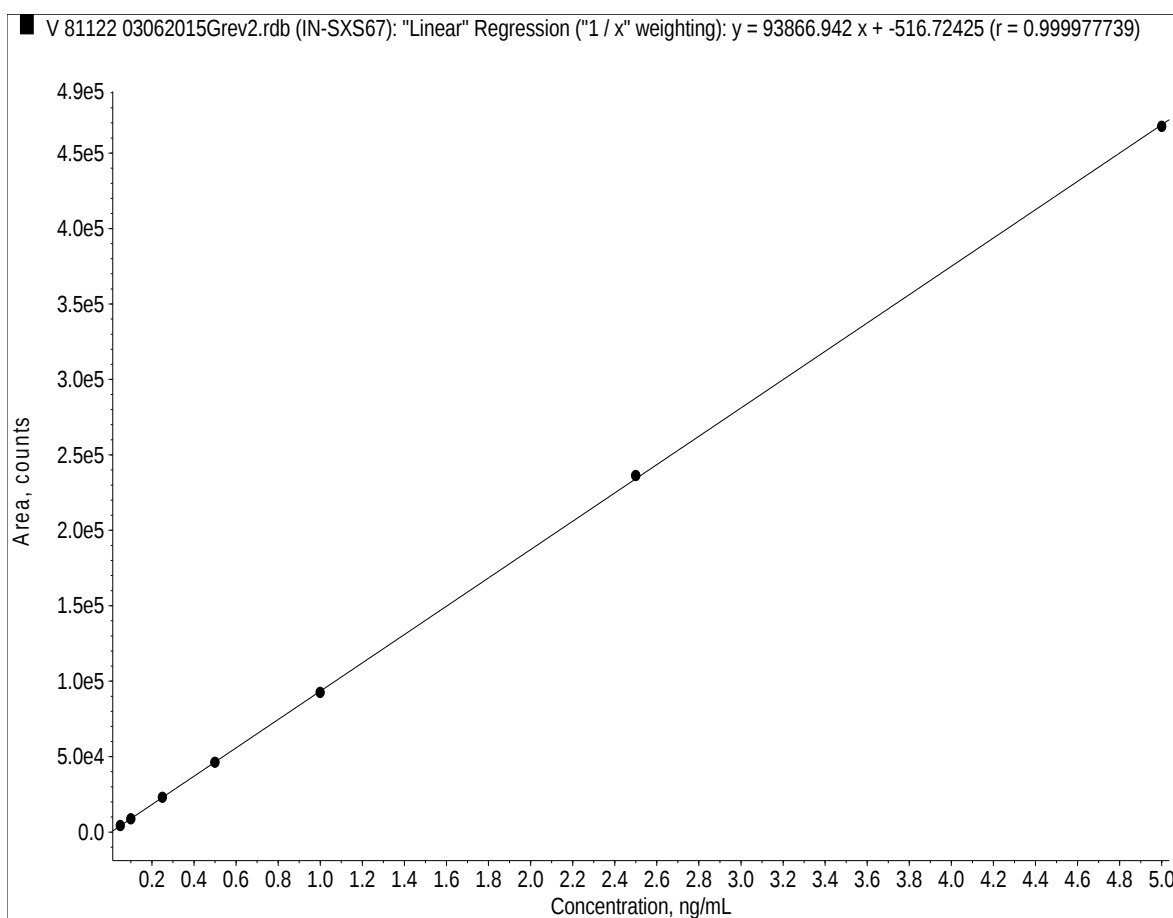


FIGURE 35 **Representative Calibration Curve – IN-E8S72**

Calibration Curve
Set #001

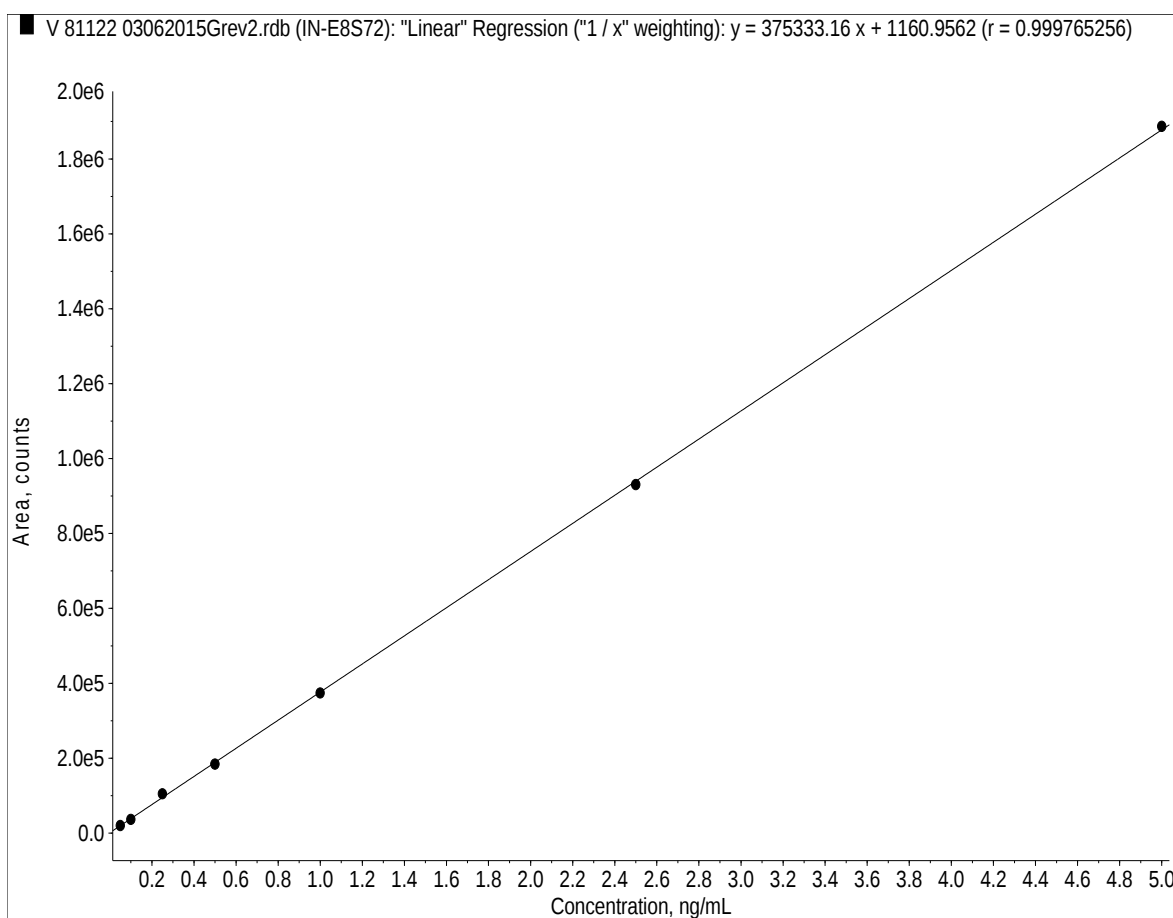


FIGURE 36 Representative Calibration Curve – IN-RZB20

Calibration Curve
Set #001

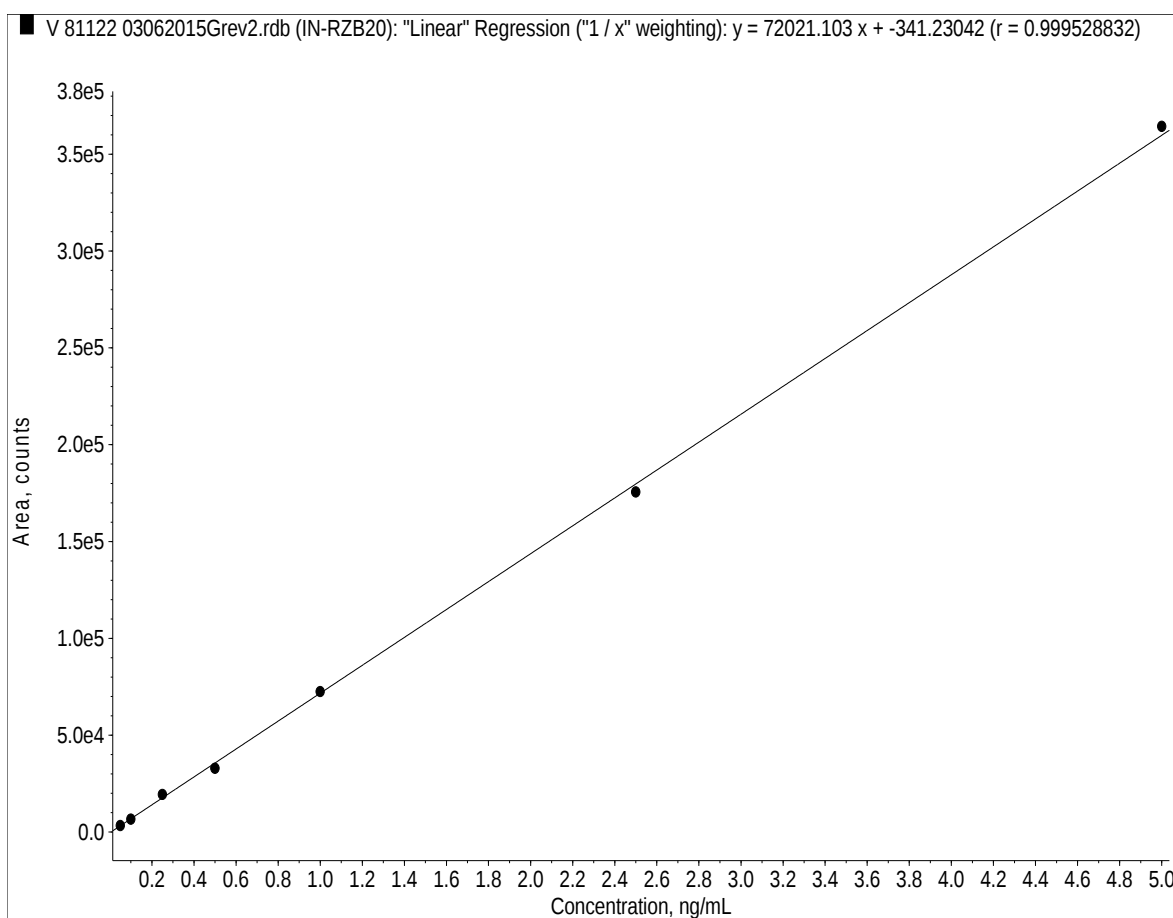


FIGURE 37 Representative Calibration Curve – IN-RZD74

Calibration Curve
Set #001

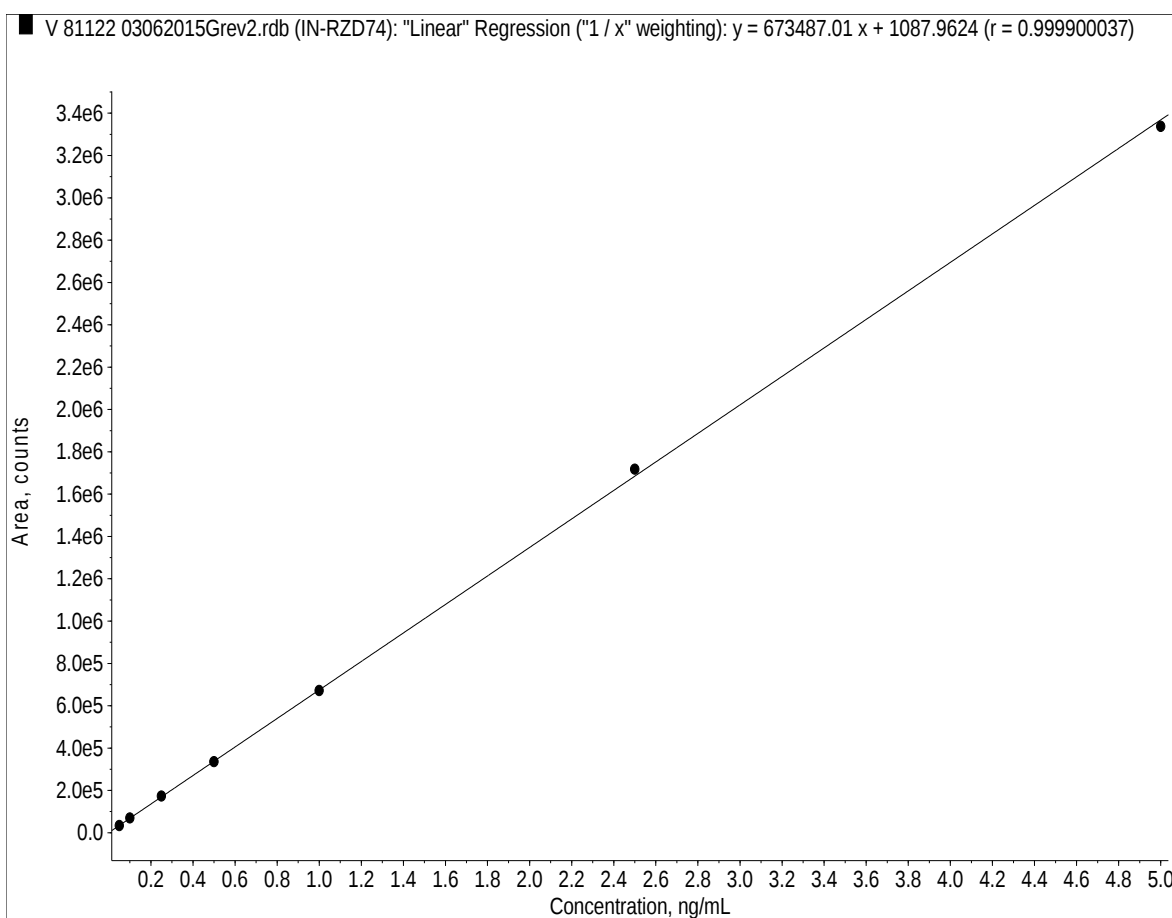


FIGURE 38 Representative Calibration Curve – IN-WR791

Calibration Curve
Set #001

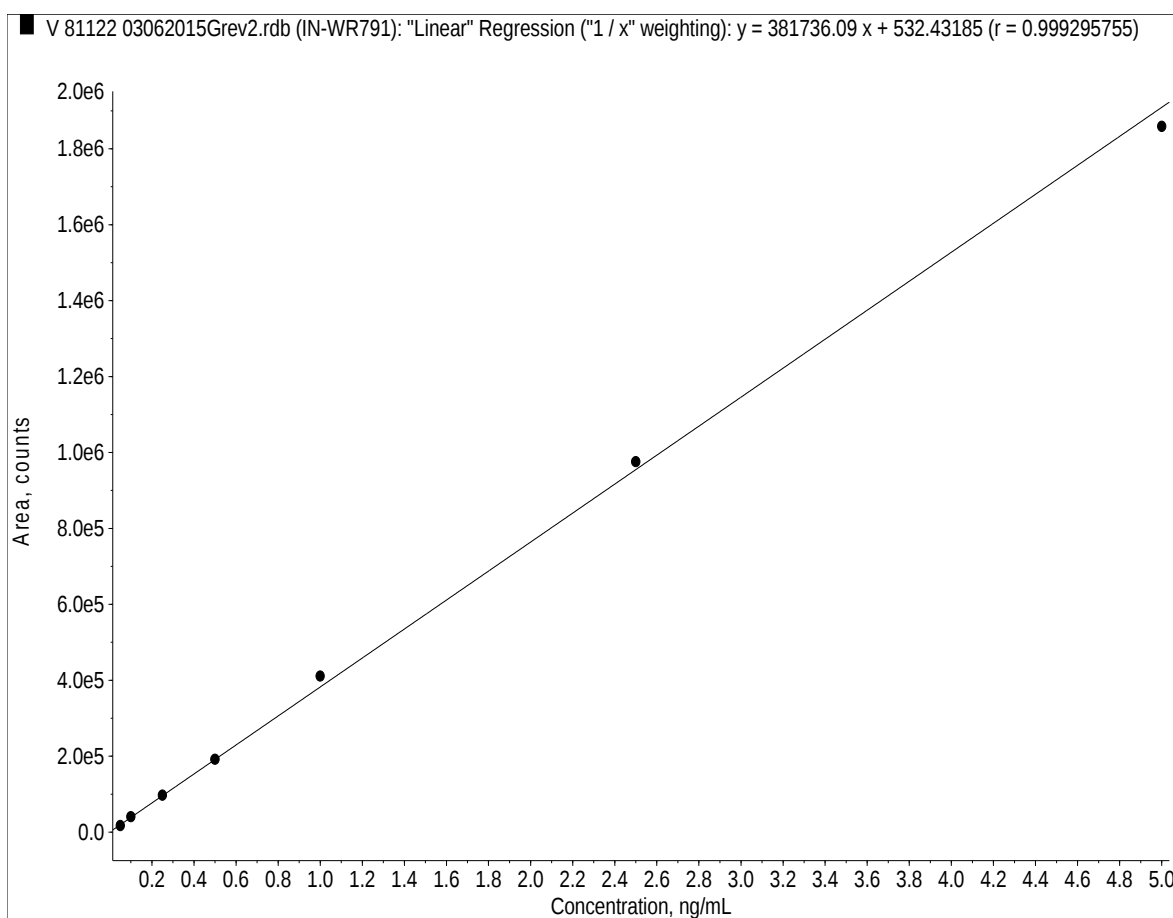


FIGURE 39 Representative Calibration Curve – IN-RDG40

Calibration Curve
Set #001

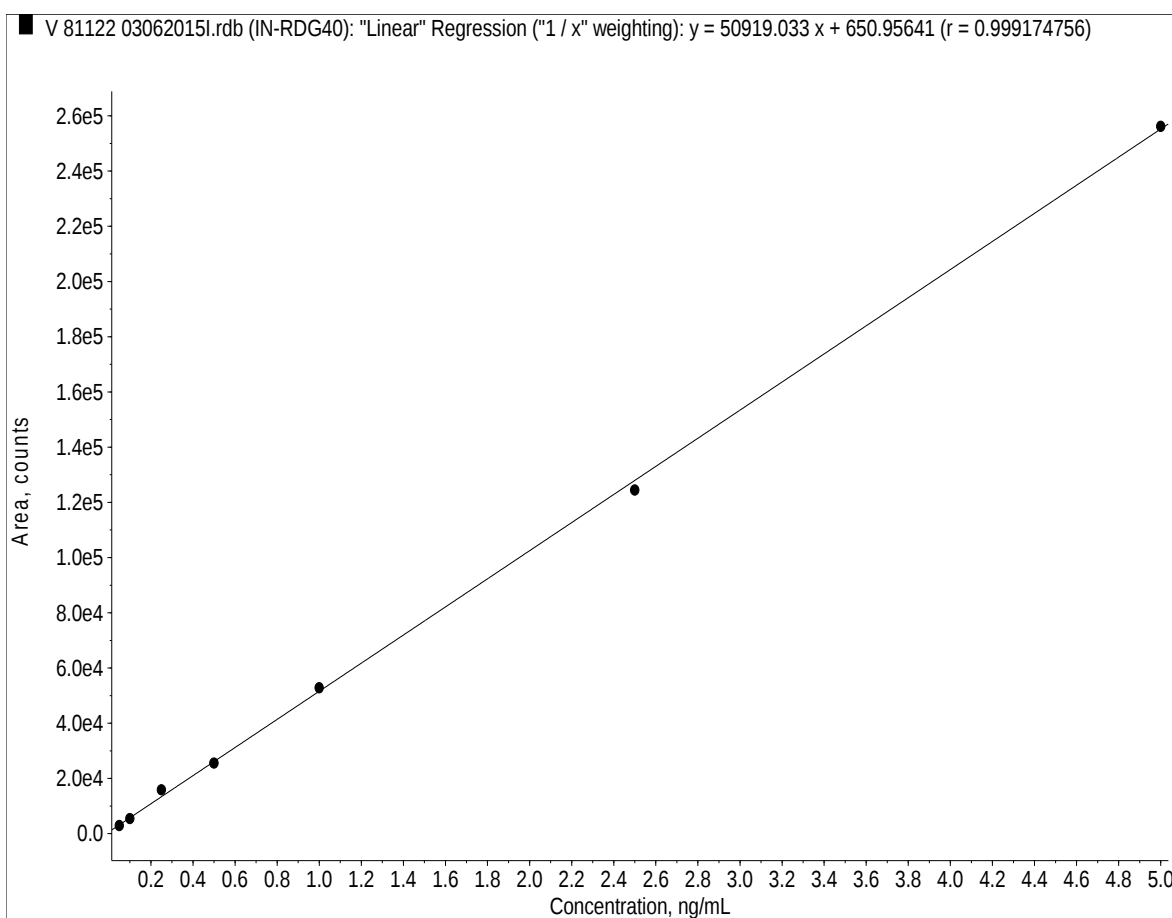
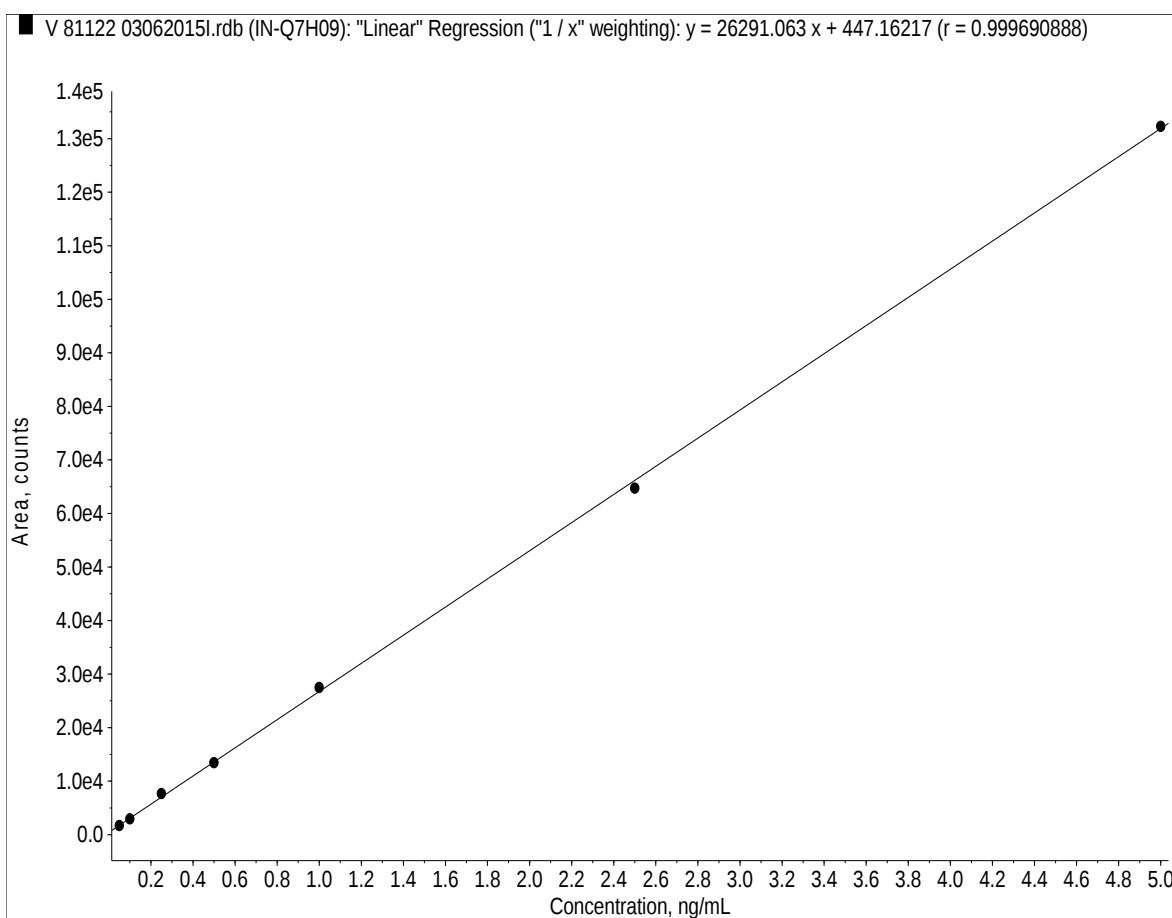


FIGURE 40 **Representative Calibration Curve – IN-Q7H09**

Calibration Curve
Set #001



APPENDICES SECTION

APPENDIX 1 Method Modifications

ABC Laboratories, Inc.

CD001 (10APR14)

Observations and/or Remarks
Study No.: 81122 (TK0221426)
ABC Laboratories Method Modifications to DuPont Project Identification Number DuPont-30422, Supplement No. 1, “Analytical Method for the Determination of DPX-QGU42 and Metabolites in Crops Using LC/MS/MS,” dated November 10, 2011 <i>Based on Method Verification procedures used for analysis of cauliflower and cabbage (weighed on November 21, 2014).</i> <u>Reasons for Modifications:</u> 1. To document changes to the preparation of solutions. 2. To provide detailed preparation of the standards used in this study. 3. To document changes to Section 4.2.9, Analyte Extraction and Purification Procedures. 4. To provide detailed HPLC conditions and calculations used. <u>Changes made to the applicable Sections:</u> 4.0 METHOD 4.2 Analytical Procedure 4.2.2 Preparation of Solutions <i>Replace this Section with the following:</i> During the conduct of this analysis, solution/reagent volumes may differ from those described in this section due to adjusting/scaling as necessary depending on the number of samples anticipated for analysis. Actual volumes used for all reagents will be documented in the raw data. Typically prepare the following solutions. Mobile Phase A: 0.1% formic acid (aq) – Measure 20 L HPLC-grade water into a carboy and add 20 mL concentrated formic acid (99+% purity). Mix well. The resulting solution may be stored at room temperature for up to 3-months. Mobile Phase B: 0.1% formic acid in methanol – Measure 20 L methanol into a carboy and add 20 mL concentrated formic acid (99+% purity). Mix well. The resulting solution may be stored at room temperature for up to 1-year.

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1% Formic Acid (aq): Using a graduated cylinder, transfer 3960 mL ultra pure water and 40 mL concentrated formic acid into a properly labeled secondary container (glass). Mix well. The resulting solution may be stored at room temperature for up to 3-months.

Acetonitrile:Water (70:30, v/v): Using a graduated cylinder, transfer 700 mL acetonitrile (ACN) and 300 mL HPLC-grade water into a properly labeled secondary container (glass). Mix well. The resulting solution may be stored at room temperature for up to 1-year.

Acetonitrile:1% Formic Acid in Water (30:70, v/v): Using a graduated cylinder, transfer 300 mL acetonitrile (ACN) and 700 mL 1% formic acid solution into a properly labeled secondary container (glass). Mix well. The resulting solution may be stored at room temperature for up to 3-months.

Acetonitrile:1% Formic Acid in Water (5:95, v/v): Using a graduated cylinder, transfer 50 mL acetonitrile (ACN) and 950 mL 1% formic acid solution into a properly labeled secondary container (glass). Mix well. The resulting solution may be stored at room temperature for up to 3-months.

Acetonitrile:Water:Formic Acid Solution (12:4:0.1, v/v/v): Using a graduated cylinder, transfer 2400 mL acetonitrile (ACN), 800 mL ultra-pure water, and 20 mL concentrated formic acid into a properly labeled secondary container (glass). Mix well. The resulting solution may be stored at room temperature for up to 1-year.

4.2.4 Preparation and Stability of Intermediate and Fortification Standards

Conduct this Section as written except for the following:

- 10 µg/mL: Transfer 5 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) stock standard solution to a 50-mL volumetric flask. Bring the contents to volume with water and mix well.
- 0.10 µg/mL: Transfer 5 mL of the 1.0-µg/mL mixed standard solution to a 50-mL volumetric flask. Bring the contents to volume with acetonitrile:water (70:30, v/v) and mix well.
- 0.010 µg/mL: Transfer 0.5 mL of the 1.0-µg/mL mixed standard solution to a 50-mL volumetric flask. Bring the contents to volume with acetonitrile:water (70:30, v/v) and mix well.

DPX-OGU42, IN-RDG40, IN-Q7H09 (Non-polar):

- 1.0 µg/mL: Transfer 1.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) non-polar analyte stock standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile: 1% formic acid in water (30:70, v/v) and mix well.

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar):

1.0 µg/mL: Transfer 1.0 mL (adjusted for stock concentration) of each 100-µg/mL (nominal) polar analyte stock standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

4.2.5 Preparation and Stability of Calibration Standards

Replace this section with the following:

Store all standard solutions prepared in this section in amber glass bottles in the dark at approximately 5 °C when not in use.

Typically prepare the following concentrations of linearity (calibration) standard solutions.

DPX-QGU42, IN-RDG40, IN-Q7H09 (Non-polar):

5.0 ng/mL: Transfer 0.500 mL of the 1.0-µg/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

2.50 ng/mL: Transfer 0.250 mL of the 1.0-µg/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

1.00 ng/mL: Transfer 0.100 mL of the 1.0-µg/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

0.50 ng/mL: Transfer 0.050 mL of the 1.0-µg/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

0.25 ng/mL: Transfer 0.025 mL of the 1.0-µg/mL non-polar intermediate standard solution was transferred to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

0.10 ng/mL: Transfer 0.010 mL of the 1.0-µg/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

ABC Laboratories Study No. 81122
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0.050 ng/mL: Transfer 0.005 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (30:70, v/v) and mix well.

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar):

5.0 ng/mL: Transfer 0.500 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

2.50 ng/mL: Transfer 0.250 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

1.00 ng/mL: Transfer 0.100 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

0.50 ng/mL: Transfer 0.050 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

0.25 ng/mL: Transfer 0.025 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

0.10 ng/mL: Transfer 0.010 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

0.050 ng/mL: Transfer 0.005 mL of the 1.0- μ g/mL non-polar intermediate standard solution to a 100-mL volumetric flask. Bring the contents to volume with acetonitrile:1% formic acid in water (5:95, v/v) and mix well.

4.2.9 Analyte Extraction and Purification Procedures

Conduct this Section as written except for the following:

2. Add 5.0 mL of water to each sample and let the sample soak for approximately 5-minutes. After soak, add three 1/4" steel balls and 15-mL acetonitrile:water:formic acid solution (12:4:0.1, v/v/v) to each sample.
5. Transfer the supernatant of each sample into a clean 50-mL centrifuge tube. Re-extract each sample a second time using 15-mL acetonitrile:water:formic acid solution (12:4:0.1, v/v/v). Combine the extracts into the same 50-mL centrifuge tube.

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Method Modifications to DuPont-30422, Supplement No. 1

6. Re-extract each sample a third time using 10-mL acetonitrile:water:formic acid solution (12:4:0.1, v/v/v). Combine the three extracts into the same 50-mL centrifuge tube and adjust the volume to 50-mL using acetonitrile.
7. **For non-polar analytes (DPX-QGU42, IN-RDG40, IN-Q7H09)**, pipette 1.0-mL of each extract into a clean 15-mL centrifuge tube and add 9 mL of acetonitrile: 1% formic acid (30:70, v/v). Mix the extract using a vortex mixer for approximately 30 seconds, dilute where necessary, and transfer an aliquot to an auto-sampler vial for LC/MS/MS analysis.

For polar analytes (IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791), pipette 1.0-mL of each extract into a clean 15-mL centrifuge tube and add 9 mL of 1% formic acid in water. Mix the extract using a vortex mixer for approximately 30 seconds, dilute where necessary, and transfer an aliquot to an auto-sampler vial for LC/MS/MS analysis.

4.3 *Instrumentation for the Method*

4.3.1 *Chromatography*

Replace this Section with the following:

The instrument, column and conditions listed below are typical for this analysis. Alternate conditions may be used depending on the need to resolve analyte and/or interfering responses. Specific conditions used will be noted on each chromatographic run.

Instrument: Applied Biosystems/Sciex API5500 Q-trap Mass Spectrometer (System V) with Waters Acquity Sample Manager, Waters Acquity Column Manger, Waters Acquity Binary Solvent Manager, Waters Acquity Sampler Organizer and Applied Biosystems/MDS Sciex Analyst Software for data collection and system control (Version 1.6.2)

DPX-QGU42, IN-RDG40, IN-Q7H09 (Non-polar):

Operating Conditions:

HPLC column: Waters Acquity HSS T3, 1.8- μ m; 50-mm $\times$ 2.1-mm

Mobile phase: Water, methanol (MeOH) and formic acid

Component A: 0.1% formic acid (aq)

Component B: 0.1% formic acid in methanol

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

Gradient:

<u>Time (min)</u>	<u>% A</u>	<u>% B</u>
0.00 – 0.50	60.0	40.0
0.51 – 2.00	37.5	62.5
2.01 – 2.75	5.0	95.0
2.76 – 3.50	60.0	40.0

Flow rate: 600 μ L/min. (or 0.600 mL/min.)

Interface: TIS (Turbo IonSpray)

Ionization mode: Positive (+) (DPX-QGU42)
Negative (-) (IN-RDG40 & IN-Q7H09)

Acquisition mode: MRM

Resolution: Q1-Unit, Q3-Unit (Note: Unit is equivalent to medium)

Source temperature: 500 °C

Curtain gas: Nitrogen @ setting of “30”

Collision gas: Nitrogen @ setting of “Medium”

Transitions monitored:	Ion, <i>m/z</i>		Time, <i>ms</i>	CE, <i>v</i>	
	<u>Q1</u>	<u>Q3</u>			
DPX-QGU42:	540	163	150	55	(quantitation)
	540	500	150	35	(confirmation)
IN-RDG40:	554	364	100	-41	(quantitation)
	554	155	100	-41	(confirmation)
IN-Q7H09:	554	180	100	-75	(quantitation)
	554	135	100	-100	(confirmation)

Column
temperature: 40 °C

Injection volumes: 15 μ L (all non-polar analytes)

Retention times: DPX-QGU42: ~1.6 minutes
IN-RDG40: ~1.3 minutes
IN-Q7H09: ~1.4 minutes

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

IN-SXS67, IN-E8S72, IN-RZB20, IN-RZD74, IN-WR791 (Polar):

Operating Conditions:

HPLC column: Phenomenex Synergi Polar-RP, 2.5 μ m, 50-mm $\times$ 3.0-mm

Mobile phase: Water, methanol (MeOH) and formic acid

Component A: 0.1% formic acid (aq)

Component B: 0.1% formic acid in methanol

Gradient:

<u>Time (min)</u>	<u>% A</u>	<u>% B</u>
0.00 – 0.50	90.0	10.0
2.50	37.5	62.5
2.51 – 3.25	5.0	95.0
3.26 – 4.00	90.0	10.0

Flow rate: 600 μ L/min. (or 0.600 mL/min.)

Interface: TIS (Turbo IonSpray)

Ionization mode: Negative (-) (all polar analytes)

Acquisition mode: MRM

Resolution: Q1-Unit, Q3-Unit (Note: Unit is equivalent to medium)

Source temperature: 500 $^{\circ}$ C

Curtain gas: Nitrogen @ setting of "40"

Collision gas: Nitrogen @ setting of "Medium"

Transitions monitored:	Ion, <i>m/z</i>		Time, <i>ms</i>	CE, <i>v</i>	
	<u>Q1</u>	<u>Q3</u>			
IN-SXS67:	341	135	30	-30	(quantitation)
	341	297	30	-13	(confirmation)
IN-E8S72:	179	65	30	-30	(quantitation)
	179	40	30	-55	(confirmation)
IN-RZB20:	222	192	30	-16	(quantitation)
	222	69	30	-57	(confirmation)

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

Transitions monitored (cont.):	Ion, <i>m/z</i>		Time, <i>ms</i>	CE, <i>v</i>	
IN-RZD74:	Q1	Q3			
	165	65	30	-28	(quantitation)
	165	135	30	-19	(confirmation)
IN-WR791:	207	143	30	-23	(quantitation)
	207	163	30	-16	(confirmation)

Column
temperature: 40 °C

Injection volumes: 15 µL (all polar analytes)

Retention times: IN-SXS67: ~1.1 minutes
IN-E8S72: ~2.0 minutes
IN-RZB20: ~1.5 minutes
IN-RZD74: ~1.8 minutes
IN-WR791: ~2.4 minutes

Calibration/Sample Analysis:

Inject a standard curve using constant volumes of calibration standard solutions of varying concentrations throughout the analytical run. Use constant volume injections for sample extracts as well. Sample responses which are greater than those produced by the highest concentration of applicable standard in the calibration curve require dilution and reinjection. Inject a calibration standard typically every 3-4 sample injections.

4.4 Calculations

Replace this Section with the following:

For this study, conduct calculations for instrumental analysis using Applied BioSystems/ MDS Sciex Analyst (Version 1.6.2) software application to create a standard curve based on linear regression. Use the regression functions to calculate a best fit line (from a set of standard concentrations in ng/mL versus peak response) and to determine concentrations of the analyte found during sample analysis from the calculated best fit line. Use weighting (1/x).

The equation used for the least squares fit is:

$$y = mx + b$$

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

where:

y = peak response
m = slope
x = ng/mL found for peak of interest
b = y-intercept

The standard (calibration) curve(s) generated for each analytical set was used for the quantitation of the targeted analytes in the samples. For this study, the correlation coefficient (r) for each calibration curve for each analyte was equal to or greater than 0.990 (r² equal to or greater than 0.98).

The calculations for ppm found and percent recovery (for fortified samples) are:

1. The amount of analyte found (in ppm) in the sample is calculated according to the following equation:

$$ppm = \frac{ng}{mL} \text{ found} \times \frac{HPLC \text{ FV (mL)}}{\text{sample wt. (g)}} \times \frac{\text{ext. solv. (mL)}}{\text{aliq. (mL)}} \times HPLC \text{ dil. factor} \times \frac{1 \mu g}{1000 \text{ ng}}$$

where:

ng/mL found = ng/mL of analyte found as determined by the analysis
HPLC FV (mL) = volume of final extract submitted to instrumentation (typically 10.0 mL)
sample wt. (g) = amount of sample taken through the extraction process (typically 5.0 ± 0.05 g)
ext. solv. (mL) = water from sample + mL extraction solvent added (typically 50 mL)
aliq. (mL) = volume of extraction solvent taken through the procedure (typically 1.0 mL)
HPLC dil. Factor = Dilution of sample extract required to produce an analyte response bracketed by standards
1 μg/1000 ng = Conversion factor from ng → μg

ABC Laboratories Study No. 81122
Method Modifications to DuPont-30422, Supplement No. 1

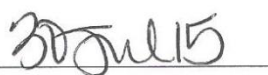
1. The percent recovery for fortified control samples is calculated as follows:

$$\% \text{ Recovery} = \frac{\text{ppm found in fortified control} - \text{ppm found in control}}{\text{fortification level (ppm) added}} \times 100$$

Prepared by:



Date:



APPENDIX 2 Example Calculations

The equation used for the least squares fit was:

$$y = mx + b$$

where:

y	=	peak response
m	=	slope
x	=	ng/mL found for peak of interest
b	=	y-intercept

The standard (calibration) curve(s) generated for each analytical set was used for the quantitation of the targeted analytes in the samples. For this study, the correlation coefficient (r) for each calibration curve for each analyte was equal to or greater than 0.990 (r² equal to or greater than 0.98).

The calculations for ppm found and percent recovery (for fortified samples) were:

1. The amount of analyte found (in ppm) in the sample was calculated according to the following equation:

$$ppm = \frac{ng}{mL} found \times \frac{HPLC\ FV\ (mL)}{sample\ wt.\ (g)} \times \frac{ext.\ solv.\ (mL)}{aliq.\ (mL)} \times HPLC\ dil.\ factor \times \frac{1\ \mu g}{1000\ ng}$$

where:

ng/mL found	=	ng/mL of analyte found as determined by the analysis
HPLC FV (mL)	=	volume of final extract submitted to instrumentation (10.0 mL)
sample wt (g)	=	amount of sample taken through the extraction process (5.00 ± 0.05 g)
ext. solv. (mL)	=	water from sample + mL extraction solvent added (50 mL)
aliq. (mL)	=	volume of extraction solvent taken through the procedure (1.0 mL)

HPLC dil. Factor = Dilution of sample extract required to produce an analyte response bracketed by standards

1 µg/1000 ng = Conversion factor from ng → µg

1. The percent recovery for fortified control samples was calculated as follows:

$$\% \text{ Recovery} = \frac{\text{ppm found in fortified control} - \text{ppm found in control}}{\text{fortification level (ppm) added}} \times 100$$

Example Calculations:

Residues were calculated in an identical manner for all analytes. Only examples of oxathiapiprolin residue calculations for broccoli will be provided and thus serve to illustrate the calculations for all matrices.

1. Oxathiapiprolin, broccoli, Set # 001, TK0221426-01-001, ABC ID 81122-001n, **Control** (Figure 1):

0 peak response → 0.00000 ng/mL

$$\text{ppm} = 0.00000 \text{ ng/mL} \times \frac{10.0 \text{ mL}}{5.01 \text{ g}} \times \frac{50 \text{ mL}}{1.0 \text{ mL}} \times 1 \times \frac{1 \mu\text{g}}{1000 \text{ ng}}$$

$$\text{ppm} = 0.00000$$

Reported ppm = ND

2. Oxathiapiprolin, broccoli, Set #001, TK0221426-01-001 + LOQ, ABC ID 81122-002n, **Fortified Control @ 0.01 ppm** (Figure 1):

3874 peak response → 0.07529 ng/mL

$$\text{ppm} = 0.07529 \text{ ng/mL} \times \frac{10.0 \text{ mL}}{5.02 \text{ g}} \times \frac{50 \text{ mL}}{1.0 \text{ mL}} \times 1 \times \frac{1 \mu\text{g}}{1000 \text{ ng}}$$

$$\text{ppm} = 0.00750$$

Reported ppm = 0.0750 ppm

$$\% \text{ Rec.} = \frac{0.00750 \text{ ppm} - 0.00000 \text{ ppm}}{0.01 \text{ ppm}} \times 100$$

$$= 75\%$$

3. Oxathiapiprolin, broccoli, Set #001, TK0221426-01-003,
ABC ID 81122-005n, **Field Sample**, (Figure 1):

$$137448 \text{ peak response} \rightarrow 3.10661 \text{ ng/mL}$$

$$\text{ppm} = 3.10661 \text{ ng/mL} \times \frac{10.0 \text{ mL}}{5.03 \text{ g}} \times \frac{50 \text{ mL}}{1.0 \text{ mL}} \times 1 \times \frac{1 \mu\text{g}}{1000 \text{ ng}}$$

$$\text{ppm} = 0.30881$$

$$\text{Reported ppm} = 0.309 \text{ ppm}$$

APPENDIX 3 Certificates of Analysis



E. I. du Pont de Nemours and Company
Stine-Haskell Research Center
S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

Revision 1*

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: DPX-QGU42-126

Batch/Lot Number: E105317-115

Analytical Data:

Purity: (QGU42) 98.9%
(IN-Q7D13) 0.85%

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS, NMR.
The purity of the certified material was established by use of Organic impurities (HPLC or GC),
Water (KFT).

Date of Analysis: 04 Jun 2012

Expiration Date: 04 Jun 2018

Reference: DuPont-34485

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví č.p. 296
533 54 Rybitví
Czech Republic

Steven W. Hansen
DuPont Representative

Steven W. Hansen
Signature

9/10/2012
Date

* To include % IN-Q7D13



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S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-SXS67-002

Batch/Lot Number: 1604450

Analytical Data:

Purity: 99.7 %

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS, NMR

The purity of the certified material was established by use of Organic impurities (HPLC or GC)

Date of Analysis: 10 Jan 2013

Expiration Date: 10 Jan 2016

Reference: DuPont-36593

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

Daniel Robson
DuPont Representative

Handwritten signature of Daniel Robson.
Signature

21-JAN-2013
Date



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Stine-Haskell Research Center
S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-E8S72-004

Batch/Lot Number: SG0212015

Analytical Data:

Purity: 99.8%

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS, IR

The purity of the certified material was established by use of Organic impurities (HPLC or GC), Water (KFT)

Date of Analysis: 11 Jun 2012

Expiration Date: 11 Jun 2015

Reference: DuPont-35450

Testing Facility/Performing Laboratory:

Syngene International Limited
Biocon Park, Plot NO. 2 & 3
Bommasandra IV Phase
Jigani Link Road,
Bangalore-560099, India

Daniel Robson
DuPont Representative

A handwritten signature of Daniel Robson in black ink.
Signature

18-July-2012
Date



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Stine-Haskell Research Center
S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN- RZB20-003

Lot Number: GF1010270

Analytical Data:

Purity: 92.5 %

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS

The purity of the certified material was established by use of Organic impurities (HPLC or GC) and VOC

Date of Analysis: 14-Nov-2013

Expiration Date: 14-Nov-2016

Reference: DuPont-38777

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

David L. Bailey

DuPont Representative

David L. Bailey
Signature

07-Jan-2014
Date



E. I. du Pont de Nemours and Company
Stine-Haskell Research Center
S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-RZD74-001

Lot Number: E116832-34D

Analytical Data:

Purity: 96.8%

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS

The purity of the certified material was established by use of Organic impurities (area %) by HPLC

Date of Analysis: 07-May-2014

Expiration Date: 07-May-2020

Reference: DuPont-40907

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

David L.Bailey

DuPont Representative

David L. Bailey

Signature

24-Jun-2014

Date



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Newark, DE 19714 USA
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CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-WR791-003

Batch/Lot Number: E112337-22B

Analytical Data:

Purity: 99.6 %

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS

The purity of the certified material was established by use of Organic impurities (HPLC or GC)

Date of Analysis: 08 Jan 2013

Expiration Date: 08 Jan 2016

Reference: DuPont-36769

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

Daniel Robson
DuPont Representative

Handwritten signature of Daniel Robson.
Signature

20 MAR 2013
Date



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S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-RDG40-001

Batch/Lot Number: GF914067

Analytical Data:

Purity: 94.9 %

Physical Form: Solid

Storage: Ambient

The identity of the certified material was established by use of MS

The purity of the certified material was established by use of Organic impurities (HPLC or GC)

Date of Analysis: 17 Sep 2012

Expiration Date: 17 Sep 2015

Reference: DuPont-35860

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

Daniel Robson
DuPont Representative

Daniel Robson
Signature

02-JAN-2013
Date



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S315/Sample Management
PO Box 30
Newark, DE 19714 USA
1-888-638-7668

CERTIFICATE OF ANALYSIS

The purity reported in this Certificate of Analysis was generated under OECD Good Laboratory Practice Standards.

Test Item/Substance: IN-Q7H09-001

Batch/Lot Number: GF1007960

Analytical Data:

Purity: 96.2%

Physical Form: Solid

Storage: Freezer ($\leq -10^{\circ}\text{C}$)

The identity of the certified material was established by use of MS

The purity of the certified material was established by use of Organic impurities (HPLC or GC)

Date of Analysis: 27 Mar 2012

Expiration Date: 27 Mar 2015

Reference: DuPont-34447

Testing Facility/Performing Laboratory:

Výzkumný ústav organických syntéz a.s. (VUOS)
Research Institute for Organic Syntheses, Inc.
Centre of Ecology, Toxicology and Analytics
GLP Testing Section
Rybitví c.p. 296
533 54 Rybitví
Czech Republic

Daniel Robson
DuPont Representative

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Signature

10-MAY-2012
Date

APPENDIX 4 Spreadsheets

Residue Results - Method Verification																		ABC Laboratories, Inc.	
Analyte: DPX-QGU42																			
Matrix: Broccoli																			
ABC ID	Sample Identification	Set #	Samp		Fort Level	Extraction Date	Injection Date	mL		Inj vol	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec		
			Wt g					ext solv	alig										
Solvent	Injection Solvent	MV3					27-Feb-15	50	1.0	10.0	15	1	0	0.00					
81122-MV16n	TK0221426-01-001	MV3	5.02			25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND			
81122-MV17n	TK0221426-01-001 + LOQ	MV3	5.01		0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	4518	0.077472	0.007732	0.00773	77		
81122-MV18n	TK0221426-01-001 + LOQ	MV3	5.02		0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	5560	0.095930	0.009555	0.00955	96		
81122-MV19n	TK0221426-01-001 + LOQ	MV3	5.01		0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	4942	0.084993	0.008482	0.00848	85		
81122-MV20n	TK0221426-01-001 + 150x LOQ	MV3	5.02		1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	73195	1.2932	1.288048	1.29	1.29		
81122-MV21n	TK0221426-01-001 + 150x LOQ	MV3	5.03		1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	86345	1.5260	1.516899	1.52	1.52		
81122-MV22n	TK0221426-01-001 + 150x LOQ	MV3	5.01		1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	79505	1.4049	1.402096	1.40	1.40		
13902-N03	1.0 ng/mL	MV3					27-Feb-15						59079						
13902-N05 ^a	0.25 ng/mL	MV3					27-Feb-15						27470						
13902-N06	0.10 ng/mL	MV3					27-Feb-15						6337						
13902-N07	0.050 ng/mL	MV3					27-Feb-15						2556						
13902-N04	0.50 ng/mL	MV3					27-Feb-15						28622						
13902-N02	2.5 ng/mL	MV3					27-Feb-15						143255						
13902-N01	5.0 ng/mL	MV3					27-Feb-15						277893						
1/x weighting																			
Slope (m): 56491.22																			
y-intercept (b): 141.0689																			
Corr. Coeff: 0.99964553																			
^a DNR: outlier																			
File Name: V 81122 02252015B																			

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-SXS67
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3	5.02		25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV16p	TK0221426-01-001	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	6650	0.081054	0.008089	0.00809	0.00809	81
81122-MV17p	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	7498	0.090452	0.009009	0.00901	0.00901	90
81122-MV18p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	6748	0.082141	0.008198	0.00820	0.00820	82
81122-MV19p	TK0221426-01-001 + LOQ	MV3	5.02	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	123830	1.3797	1.374203	1.37	1.37	92
81122-MV20p	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	122021	1.3597	1.351590	1.35	1.35	90
81122-MV21p	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	131769	1.4677	1.464770	1.46	1.46	98
81122-MV22p	TK0221426-01-001 + 150x LOQ	MV3			25-Feb-15							21843					
13905-P05	0.25 ng/mL	MV3			25-Feb-15							4132					
13905-P07	0.050 ng/mL	MV3			25-Feb-15							8401					
13905-P06	0.10 ng/mL	MV3			25-Feb-15							82295					
13905-P03	1.0 ng/mL	MV3			25-Feb-15							43999					
13905-P04	0.50 ng/mL	MV3			25-Feb-15							228900					
13905-P02	2.5 ng/mL	MV3			25-Feb-15							453955					
13905-P01	5.0 ng/mL	MV3			25-Feb-15												

1/x weighting
Slope (m): 90230.81
y-intercept (b): -663.5982
Corr. Coeff: 0.99951720
File Name: V 81122 02252015A

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-E8S72
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3	5.02		25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV16p	TK0221426-01-001	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	28208	0.088993	0.008882	0.00888	0.00888	89
81122-MV17p	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	27563	0.086825	0.008648	0.00865	0.00865	86
81122-MV18p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	27325	0.086025	0.008585	0.00859	0.00859	86
81122-MV19p	TK0221426-01-001 + LOQ	MV3	5.02	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	442020	1.4787	1.472809	1.47	1.47	98
81122-MV20p	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	431420	1.4431	1.434493	1.43	1.43	96
81122-MV21p	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	455068	1.5225	1.519461	1.52	1.52	101
81122-MV22p	TK0221426-01-001 + 150x LOQ	MV3			25-Feb-15												
13905-P05	0.25 ng/mL	MV3			25-Feb-15							84542					
13905-P07	0.050 ng/mL	MV3			25-Feb-15							14867					
13905-P06	0.10 ng/mL	MV3			25-Feb-15							32007					
13905-P03	1.0 ng/mL	MV3			25-Feb-15							294036					
13905-P04	0.50 ng/mL	MV3			25-Feb-15							147546					
13905-P02	2.5 ng/mL	MV3			25-Feb-15							781759					
13905-P01	5.0 ng/mL	MV3			25-Feb-15							1456256					

1/x weighting
Slope (m): 297771.3
y-intercept (b): 1708.923
Corr. Coeff: 0.99921015
File Name: V 81122 02252015A

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZB20
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3				25-Feb-15	50	1.0	10.0	15	1	0	0.00				
81122-MV16p	TK0221426-01-001	MV3	5.02		25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV17p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	6156	0.10801	0.010779	0.0108	0.0108	108
81122-MV18p	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	5042	0.090741	0.009038	0.00904	0.00904	90
81122-MV19p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	5015	0.090311	0.009013	0.00901	0.00901	90
81122-MV20p	TK0221426-01-001 + 150x LOQ	MV3	5.02	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	94109	1.4720	1.466135	1.47	1.47	98
81122-MV21p	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	85648	1.3407	1.332704	1.33	1.33	89
81122-MV22p	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	93816	1.4674	1.464471	1.46	1.46	98
13905-P05	0.25 ng/mL	MV3				25-Feb-15						15230					
13905-P07	0.050 ng/mL	MV3				25-Feb-15						2615					
13905-P06	0.10 ng/mL	MV3				25-Feb-15						5595					
13905-P03	1.0 ng/mL	MV3				25-Feb-15						59427					
13905-P04	0.50 ng/mL	MV3				25-Feb-15						31408					
13905-P02	2.5 ng/mL	MV3				25-Feb-15						161584					
13905-P01	5.0 ng/mL	MV3				25-Feb-15						324630					

1/x weighting

Slope (m): 64484.33

y-intercept (b): -809.0918

Corr. Coeff: 0.99968421

File Name: V 81122 02252015A

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZD74
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3				25-Feb-15	50	1.0	10.0	15	1	0	0.00				
81122-MV16p	TK0221426-01-001	MV3	5.02		25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV17p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	53344	0.088159	0.008798	0.00880	0.00880	88
81122-MV18p	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	59146	0.097567	0.009718	0.00972	0.00972	97
81122-MV19p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	53181	0.087894	0.008772	0.00877	0.00877	88
81122-MV20p	TK0221426-01-001 + 150x LOQ	MV3	5.02	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	865911	1.4059	1.400299	1.40	1.40	93
81122-MV21p	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	943110	1.5311	1.521968	1.52	1.52	101
81122-MV22p	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	883321	1.4342	1.431337	1.43	1.43	95
13905-P05	0.25 ng/mL	MV3				25-Feb-15						155557					
13905-P07	0.050 ng/mL	MV3				25-Feb-15						28755					
13905-P06	0.10 ng/mL	MV3				25-Feb-15						61497					
13905-P03	1.0 ng/mL	MV3				25-Feb-15						663023					
13905-P04	0.50 ng/mL	MV3				25-Feb-15						290958					
13905-P02	2.5 ng/mL	MV3				25-Feb-15						1515055					
13905-P01	5.0 ng/mL	MV3				25-Feb-15						3074208					

1/x weighting

Slope (m): 616613

y-intercept (b): -1015.62

Corr. Coeff: 0.99949568

File Name: V 81122 02252015A

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-WR791
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL FV aliqu	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3				25-Feb-15	50	1.0	10.0	15	1	0	0.00			
81122-MV16p	TK0221426-01-001	MV3	5.02		25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	0	0.000000	ND		
81122-MV17p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	33725	0.010208	0.0102	0.0102	102
81122-MV18p	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	28077	0.008521	0.00852	0.00852	85
81122-MV19p	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	25-Feb-15	50	1.0	10.0	15	1	34765	0.010516	0.0105	0.0105	105
81122-MV20p	TK0221426-01-001 + 150x LOQ	MV3	5.02	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	454268	1.343227	1.34	1.34	90
81122-MV21p	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	475853	1.404175	1.40	1.40	94
81122-MV22p	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	25-Feb-15	50	1.0	10.0	15	10	480782	1.424351	1.42	1.42	95
13905-P05	0.25 ng/mL	MV3				25-Feb-15						82508				
13905-P07	0.050 ng/mL	MV3				25-Feb-15						17629				
13905-P06	0.10 ng/mL	MV3				25-Feb-15						32560				
13905-P03	1.0 ng/mL	MV3				25-Feb-15						306997				
13905-P04	0.50 ng/mL	MV3				25-Feb-15						169198				
13905-P02	2.5 ng/mL	MV3				25-Feb-15						836195				
13905-P01	5.0 ng/mL	MV3				25-Feb-15						1721122				

1/x weighting

Slope (m): 337417.5
y-intercept (b): -787.726
Corr. Coeff: 0.99935253
File Name: V 81122 02252015A

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RDG40
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3				27-Feb-15	50	1.0	10.0	15	1	0	0.00				
81122-MV16n	TK0221426-01-001	MV3	5.02		25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV17n	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	5303	0.083415	0.008325	0.00832	0.00832	83
81122-MV18n	TK0221426-01-001 + LOQ	MV3	5.02	0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	5576	0.088560	0.008821	0.00882	0.00882	88
81122-MV19n	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	27-Feb-15	50	1.0	10.0	15	1	4933	0.076450	0.007630	0.00763	0.00763	76
81122-MV20n	TK0221426-01-001 + 150x LOQ	MV3	5.02	1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	72678	1.3524	1.347012	1.35	1.35	90
81122-MV21n	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	80066	1.4915	1.482604	1.48	1.48	99
81122-MV22n	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	27-Feb-15	50	1.0	10.0	15	10	79779	1.4861	1.483134	1.48	1.48	99
13902-N03	1.0 ng/mL	MV3				27-Feb-15						53306					
13902-N05	0.25 ng/mL	MV3				27-Feb-15						16020					
13902-N06	0.10 ng/mL	MV3				27-Feb-15						6417					
13902-N07	0.050 ng/mL	MV3				27-Feb-15						3015					
13902-N04	0.50 ng/mL	MV3				27-Feb-15						27673					
13902-N02	2.5 ng/mL	MV3				27-Feb-15						137874					
13902-N01	5.0 ng/mL	MV3				27-Feb-15						260900					

1/x weighting
Slope (m): 53094.34
y-intercept (b): 874.077
Corr. Coeff: 0.99926427
File Name: V 81122 02252015Crev1

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-Q7H09
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV3	5.02		25-Feb-15	04-Mar-15	50	1.0	10.0	15	1	0	0.00				
81122-MV16n	TK0221426-01-001	MV3	5.01	0.01	25-Feb-15	04-Mar-15	50	1.0	10.0	15	1	0	0.00	0.000000	ND	0.00785	78
81122-MV17n	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	04-Mar-15	50	1.0	10.0	15	1	1935	0.07865	0.007849	0.00785	0.00785	87
81122-MV18n	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	04-Mar-15	50	1.0	10.0	15	1	2110	0.08771	0.008736	0.00874	0.00874	70
81122-MV19n	TK0221426-01-001 + LOQ	MV3	5.01	0.01	25-Feb-15	04-Mar-15	50	1.0	10.0	15	1	1762	0.06970	0.006956	0.00696	0.00696	88
81122-MV20n	TK0221426-01-001 + 150x LOQ	MV3	5.02	1.50	25-Feb-15	04-Mar-15	50	1.0	10.0	15	10	25913	1.31983	1.314572	1.31	1.31	106
81122-MV21n	TK0221426-01-001 + 150x LOQ	MV3	5.03	1.50	25-Feb-15	04-Mar-15	50	1.0	10.0	15	10	31352	1.60134	1.591789	1.59	1.59	100
81122-MV22n	TK0221426-01-001 + 150x LOQ	MV3	5.01	1.50	25-Feb-15	04-Mar-15	50	1.0	10.0	15	10	29520	1.50651	1.503503	1.50	1.50	100
13902-N03	1.0 ng/mL	MV3				04-Mar-15						21822					
13902-N05	0.25 ng/mL	MV3				04-Mar-15						5821					
13902-N06	0.10 ng/mL	MV3				04-Mar-15						2567					
13902-N07	0.050 ng/mL	MV3				04-Mar-15						1029					
13902-N04	0.50 ng/mL	MV3				04-Mar-15						10527					
13902-N02	2.5 ng/mL	MV3				04-Mar-15						49473					
13902-N01	5.0 ng/mL	MV3				04-Mar-15						93269					

Slope (m): 19319.28
y-intercept (b): 415.3774
Corr. Coeff: 0.99800570
File Name: V 81122 03032015E

81122
TK0221426

Residue Results - Method Verification
Analyte: DPX-QGU42
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01n	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02n	TK0221426-04-001	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03n	TK0221426-04-001 + LOQ	MV1	5.001	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	4767	0.088148	0.008813	0.00881	0.00881	88
81122-MV04n	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	4666	0.086236	0.008620	0.00862	0.00862	86
81122-MV05n	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5274	0.097797	0.009766	0.00977	0.00977	98
81122-MV06n	TK0221426-04-001 + 150x LOQ	MV1	5.005	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	77096	1.4636	1.462138	1.46	1.46	97
81122-MV07n	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	74430	1.4129	1.412617	1.41	1.41	94
81122-MV08n	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	79499	1.5093	1.508395	1.51	1.51	101
13583-N3 ^b	1.0 ng/mL	MV1			22-Nov-14	22-Nov-14						32189					
13583-N5	0.25 ng/mL	MV1			22-Nov-14	22-Nov-14						11220					
13583-N6	0.10 ng/mL	MV1			22-Nov-14	22-Nov-14						5103					
13583-N7	0.050 ng/mL	MV1			22-Nov-14	22-Nov-14						3301					
13583-N4	0.50 ng/mL	MV1			22-Nov-14	22-Nov-14						26462					
13583-N2	2.5 ng/mL	MV1			22-Nov-14	22-Nov-14						130915					
13583-N1	5.0 ng/mL	MV1			22-Nov-14	22-Nov-14						265498					

1/x weighting

Slope (m): 52584.63

y-intercept (b): 131.3088

Corr. Coeff: 0.99939167

^asample weight added for calculation purposes only

^bDNR, outlier

File Name: V 81122 11212014Frev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-SXS67
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01p	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02p	TK0221426-04-001	MV1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03p	TK0221426-04-001 + LOQ	MV1	5.001	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	6939	0.094958	0.009494	0.00949	0.00949	95
81122-MV04p	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	6131	0.084654	0.008462	0.00846	0.00846	85
81122-MV05p	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	6008	0.083091	0.008297	0.00830	0.00830	83
81122-MV06p	TK0221426-04-001 + 150x LOQ	MV1	5.005	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	110046	1.4092	1.407792	1.41	1.41	94
81122-MV07p	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	116937	1.4970	1.496701	1.50	1.50	100
81122-MV08p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	111362	1.4260	1.425145	1.43	1.43	95
13581-P13	0.25 ng/mL	MV1				22-Nov-14						16020					
13581-P15	0.050 ng/mL	MV1				22-Nov-14						3525					
13581-P14	0.10 ng/mL	MV1				22-Nov-14						8255					
13581-P11	1.0 ng/mL	MV1				22-Nov-14						78228					
13581-P12	0.50 ng/mL	MV1				22-Nov-14						38886					
13581-P10	2.5 ng/mL	MV1				22-Nov-14						195265					
13581-P09	5.0 ng/mL	MV1				22-Nov-14						393709					

1/x weighting

Slope (m): 78453.41

y-intercept (b): -510.5267

Corr. Coeff: 0.99952205

^asample weight added for calculation purposes only

File Name: V 81122 11212014rev1

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-E8S72
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01p	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02p	TK0221426-04-001	MV1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03p	TK0221426-04-001 + LOQ	MV1	5.001	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	26136	0.099387	0.009937	0.00994	0.00994	99
81122-MV04p	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	23073	0.087255	0.008722	0.00872	0.00872	87
81122-MV05p	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	23812	0.090182	0.009006	0.00901	0.00901	90
81122-MV06p	TK0221426-04-001 + 150x LOQ	MV1	5.005	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	369780	1.4605	1.459041	1.46	1.46	97
81122-MV07p	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	349347	1.3795	1.379224	1.38	1.38	92
81122-MV08p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	358076	1.4141	1.413252	1.41	1.41	94
13581-P13	0.25 ng/mL	MV1			22-Nov-14												
13581-P15	0.050 ng/mL	MV1			22-Nov-14												
13581-P14	0.10 ng/mL	MV1			22-Nov-14												
13581-P11	1.0 ng/mL	MV1			22-Nov-14												
13581-P12	0.50 ng/mL	MV1			22-Nov-14												
13581-P10	2.5 ng/mL	MV1			22-Nov-14												
13581-P09	5.0 ng/mL	MV1			22-Nov-14												

1/x weighting
Slope (m): 252481.6
y-intercept (b): 1042.272
Corr. Coeff: 0.99976832

^asample weight added for calculation purposes only
File Name: V 81122 11212014rev1

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZB20
Matrix: Cauliflower

81122
TK0221426

Report Number: TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01p	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02p	TK0221426-04-001	MV1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03p	TK0221426-04-001 + LOQ	MV1	5.001	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5499	0.11499	0.011497	0.0115	0.0115	115
81122-MV04p	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5230	0.11025	0.011021	0.0110	0.0110	110
81122-MV05p	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	4763	0.10199	0.010185	0.0102	0.0102	102
81122-MV06p	TK0221426-04-001 + 150x LOQ	MV1	5.005	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	78695	1.4083	1.406893	1.41	1.41	94
81122-MV07p	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	79410	1.4209	1.420616	1.42	1.42	95
81122-MV08p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	75571	1.3531	1.352289	1.35	1.35	90
13581-P13	0.25 ng/mL	MV1			22-Nov-14							10227					
13581-P15	0.050 ng/mL	MV1			22-Nov-14							2416					
13581-P14	0.10 ng/mL	MV1			22-Nov-14							4764					
13581-P11	1.0 ng/mL	MV1			22-Nov-14							54365					
13581-P12	0.50 ng/mL	MV1			22-Nov-14							26767					
13581-P10	2.5 ng/mL	MV1			22-Nov-14							140823					
13581-P09	5.0 ng/mL	MV1			22-Nov-14							285588					

1/x weighting

Slope (m): 56597.74

y-intercept (b): -1009.738

Corr. Coeff: 0.99911718

^asample weight added for calculation purposes only

File Name: V 81122 11212014rev1

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81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZD74
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01p	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02p	TK0221426-04-001	MV1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03p	TK0221426-04-001 + LOQ	MV1	5.001	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	55178	0.10419	0.010417	0.0104	0.0104	104
81122-MV04p	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	55120	0.10410	0.010406	0.0104	0.0104	104
81122-MV05p	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	52520	0.099731	0.009959	0.00996	0.00996	100
81122-MV06p	TK0221426-04-001 + 150x LOQ	MV1	5.005	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	825680	1.3987	1.397303	1.40	1.40	93
81122-MV07p	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	858827	1.4544	1.454109	1.45	1.45	97
81122-MV08p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	841084	1.4246	1.423746	1.42	1.42	95
13581-P13	0.25 ng/mL	MV1															
13581-P15	0.050 ng/mL	MV1															
13581-P14	0.10 ng/mL	MV1															
13581-P11	1.0 ng/mL	MV1															
13581-P12	0.50 ng/mL	MV1															
13581-P10	2.5 ng/mL	MV1															
13581-P09	5.0 ng/mL	MV1															

1/x weighting

Slope (m): 595212.9

y-intercept (b): -6840.501

Corr. Coeff: 0.99880632

^asample weight added for calculation purposes only

File Name: V 81122 11212014rev1

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-WR791
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV01p	Reagent Blank ^a	MV1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV02p	TK0221426-04-001	MV1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV03p	TK0221426-04-001 + LOQ	MV1	5.002	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	25902	0.086778	0.008676	0.00868	0.00868	87
81122-MV04p	TK0221426-04-001 + LOQ	MV1	5.007	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	23585	0.078513	0.007848	0.00785	0.00785	78
81122-MV05p	TK0221426-04-001 + LOQ	MV1	5.005	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	27952	0.094088	0.009396	0.00940	0.00940	94
81122-MV06p	TK0221426-04-001 + 150x LOQ	MV1	5.001	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	404103	1.4357	1.434266	1.43	1.43	96
81122-MV07p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	397924	1.4137	1.413417	1.41	1.41	94
81122-MV08p	TK0221426-04-001 + 150x LOQ	MV1	5.003	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	397658	1.4127	1.411853	1.41	1.41	94
13581-P13	0.25 ng/mL	MV1			22-Nov-14							68325					
13581-P15	0.050 ng/mL	MV1			22-Nov-14							15190					
13581-P14	0.10 ng/mL	MV1			22-Nov-14							32070					
13581-P11	1.0 ng/mL	MV1			22-Nov-14							289726					
13581-P12	0.50 ng/mL	MV1			22-Nov-14							137926					
13581-P10	2.5 ng/mL	MV1			22-Nov-14							688401					
13581-P09	5.0 ng/mL	MV1			22-Nov-14							1414849					

1/x weighting

Slope (m): 280370.3

y-intercept (b): 1572.252

Corr. Coeff: 0.99976133

^asample weight added for calculation purposes only

File Name: V 81122 11212014rev1

ABC Laboratories, Inc.

Residue Results - Method Verification
Analyte: IN-RDG40
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV/1				22-Nov-14	50	1.0	10.0	15	1	0.00				
81122-MV/01n	Reagent Blank ^a	MV/1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND	
81122-MV/02n	TK0221426-04-001	MV/1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND	
81122-MV/03n	TK0221426-04-001 + LOQ	MV/1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	2469	0.071515	0.007150	0.00715	72
81122-MV/04n	TK0221426-04-001 + LOQ	MV/1	5.002		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	2391	0.068489	0.006846	0.00685	68
81122-MV/05n	TK0221426-04-001 + LOQ	MV/1	5.007		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	2256	0.063289	0.006320	0.00632	63
81122-MV/06n	TK0221426-04-001 + 150x LOQ	MV/1	5.005		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	38222	1.4532	1.451748	1.45	97
81122-MV/07n	TK0221426-04-001 + 150x LOQ	MV/1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	36836	1.3997	1.399420	1.40	93
81122-MV/08n	TK0221426-04-001 + 150x LOQ	MV/1	5.003		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	36846	1.4001	1.399260	1.40	93
13583-N3	1.0 ng/mL	MV/1				22-Nov-14										
13583-N5	0.25 ng/mL	MV/1				22-Nov-14										
13583-N6	0.10 ng/mL	MV/1				22-Nov-14										
13583-N7	0.050 ng/mL	MV/1				22-Nov-14										
13583-N4	0.50 ng/mL	MV/1				22-Nov-14										
13583-N2	2.5 ng/mL	MV/1				22-Nov-14										
13583-N1	5.0 ng/mL	MV/1				22-Nov-14										

1/x weighting

Slope (m): 25876.03

y-intercept (b): 618.3068

Corr. Coeff: 0.99114182

^asample weight added for calculation purposes only

File Name: V 81122 11212014Frev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-Q7H09
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	MV/1				22-Nov-14	50	1.0	10.0	15	1	0.00				
81122-MV01n	Reagent Blank ^a	MV/1	5.000		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND	
81122-MV02n	TK0221426-04-001	MV/1	5.013		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND	
81122-MV03n	TK0221426-04-001 + LOQ	MV/1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	1567	0.087006	0.008699	0.00870	87
81122-MV04n	TK0221426-04-001 + LOQ	MV/1	5.002		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	1530	0.084676	0.008464	0.00846	85
81122-MV05n	TK0221426-04-001 + LOQ	MV/1	5.007		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	1517	0.083835	0.008372	0.00837	84
81122-MV06n	TK0221426-04-001 + 150x LOQ	MV/1	5.005		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	22784	1.4210	1.419580	1.42	95
81122-MV07n	TK0221426-04-001 + 150x LOQ	MV/1	5.001		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	21954	1.3687	1.368426	1.37	91
81122-MV08n	TK0221426-04-001 + 150x LOQ	MV/1	5.003		21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	22703	1.4158	1.414951	1.41	94
13583-N3	1.0 ng/mL	MV/1				22-Nov-14										
13583-N5	0.25 ng/mL	MV/1				22-Nov-14										
13583-N6	0.10 ng/mL	MV/1				22-Nov-14										
13583-N7	0.050 ng/mL	MV/1				22-Nov-14										
13583-N4	0.50 ng/mL	MV/1				22-Nov-14										
13583-N2	2.5 ng/mL	MV/1				22-Nov-14										
13583-N1	5.0 ng/mL	MV/1				22-Nov-14										

1/x weighting

Slope (m): 15905.34

y-intercept (b): 183.6258

Corr. Coeff: 0.99246990

^asample weight added for calculation purposes only

File Name: V 81122 11212014Frev2

81122
TK0221426

Residue Results - Method Verification
Analyte: DPX-QGU42
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				24-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV09n	TK0221426-05-001	MV2	5.02		21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV10n	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	5599	0.086582	0.008641	0.00864	0.00864	86
81122-MV11n	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	4993	0.076260	0.007596	0.00760	0.00760	76
81122-MV12n	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	5312	0.081689	0.008104	0.00810	0.00810	81
81122-MV13n	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	94669	1.6036	1.603600	1.60	1.60	107
81122-MV14n	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	98765	1.6734	1.663419	1.66	1.66	111
81122-MV15n	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	87683	1.4847	1.472917	1.47	1.47	98
13583-N3	1.0 ng/mL	MV2				24-Nov-14						57382					
13583-N5	0.25 ng/mL	MV2				24-Nov-14						15182					
13583-N6	0.10 ng/mL	MV2				24-Nov-14						5797					
13583-N7	0.050 ng/mL	MV2				24-Nov-14						3892					
13583-N4	0.50 ng/mL	MV2				24-Nov-14						29085					
13583-N2	2.5 ng/mL	MV2				24-Nov-14						147283					
13583-N1	5.0 ng/mL	MV2				24-Nov-14						296887					

Slope (m): 58712.45
y-intercept (b): 515.7648
Corr. Coeff: 0.99975660
File Name: V 81122 11212014H

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-SXS67
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV09p	TK0221426-05-001	MV2	5.02		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV10p	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5932	0.084223	0.008405	0.00841	0.00841	84
81122-MV11p	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	6302	0.088906	0.008855	0.00886	0.00886	89
81122-MV12p	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	7234	0.10071	0.009991	0.00999	0.00999	100
81122-MV13p	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	109621	1.3972	1.397200	1.40	1.40	93
81122-MV14p	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	121482	1.5474	1.538171	1.54	1.54	103
81122-MV15p	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	108173	1.3788	1.367857	1.37	1.37	91
13581-P13	0.25 ng/mL	MV2				22-Nov-14						15243					
13581-P15	0.050 ng/mL	MV2				22-Nov-14						3362					
13581-P14	0.10 ng/mL	MV2				22-Nov-14						7658					
13581-P11	1.0 ng/mL	MV2				22-Nov-14						82270					
13581-P12	0.50 ng/mL	MV2				22-Nov-14						41436					
13581-P10	2.5 ng/mL	MV2				22-Nov-14						191814					
13581-P09	5.0 ng/mL	MV2				22-Nov-14						395543					

Slope (m): 78974.59
y-intercept (b): -719.373
Corr. Coeff: 0.99900922
File Name: V 81122 11212014Grev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-E8S72
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				22-Nov-14	50	1.0	10.0	15	1	0	0.00			
81122-MV09p	TK0221426-05-001	MV2	5.02		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	ND		
81122-MV10p	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	22784	0.084767	0.008460	0.00846	85
81122-MV11p	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	23133	0.086162	0.008582	0.00858	86
81122-MV12p	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	24206	0.090456	0.008974	0.00897	90
81122-MV13p	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	378993	1.5095	1.509500	1.51	101
81122-MV14p	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	399177	1.5902	1.580716	1.58	105
81122-MV15p	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	365410	1.4552	1.443651	1.44	96
13581-P13 ^a	0.25 ng/mL	MV2				22-Nov-14						101829				
13581-P15	0.050 ng/mL	MV2				22-Nov-14						14334				
13581-P14	0.10 ng/mL	MV2				22-Nov-14						25387				
13581-P11	1.0 ng/mL	MV2				22-Nov-14						255370				
13581-P12	0.50 ng/mL	MV2				22-Nov-14						126204				
13581-P10	2.5 ng/mL	MV2				22-Nov-14						650260				
13581-P09	5.0 ng/mL	MV2				22-Nov-14						1225655				

1/x weighting

Slope (m): 250018

y-intercept (b): 1590.786

Corr. Coeff: 0.99961519

^aDNR: outlier

File Name: V 81122 11212014Grev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZB20
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV09p	TK0221426-05-001	MV2	5.02		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV10p	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	6411	0.10660	0.010639	0.0106	0.0106	106
81122-MV11p	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5194	0.086701	0.008636	0.00864	0.00864	86
81122-MV12p	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	5786	0.096381	0.009562	0.00956	0.00956	96
81122-MV13p	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	90006	1.4735	1.473500	1.47	1.47	98
81122-MV14p	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	89283	1.4617	1.452982	1.45	1.45	97
81122-MV15p	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	84742	1.3875	1.376488	1.38	1.38	92
13581-P13	0.25 ng/mL	MV2				22-Nov-14						14871					
13581-P15	0.050 ng/mL	MV2				22-Nov-14						2906					
13581-P14	0.10 ng/mL	MV2				22-Nov-14						6449					
13581-P11	1.0 ng/mL	MV2				22-Nov-14						58074					
13581-P12	0.50 ng/mL	MV2				22-Nov-14						31168					
13581-P10	2.5 ng/mL	MV2				22-Nov-14						146975					
13581-P09	5.0 ng/mL	MV2				22-Nov-14						313655					

Slope (m): 61154.71
y-intercept (b): -107.8622
Corr. Coeff: 0.99936621
File Name: V 81122 11212014Grev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RZD74
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				22-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV09p	TK0221426-05-001	MV2	5.02		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV10p	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	59746	0.093237	0.009305	0.00931	0.00931	93
81122-MV11p	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	56986	0.088649	0.008830	0.00883	0.00883	88
81122-MV12p	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	61574	0.096277	0.009651	0.00965	0.00965	96
81122-MV13p	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	925262	1.5321	1.532100	1.53	1.53	102
81122-MV14p	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	931699	1.5428	1.533598	1.53	1.53	102
81122-MV15p	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	878603	1.4545	1.442956	1.44	1.44	96
13581-P13	0.25 ng/mL	MV2				22-Nov-14						150914					
13581-P15	0.050 ng/mL	MV2				22-Nov-14						32358					
13581-P14	0.10 ng/mL	MV2				22-Nov-14						61918					
13581-P11	1.0 ng/mL	MV2				22-Nov-14						612238					
13581-P12	0.50 ng/mL	MV2				22-Nov-14						326193					
13581-P10	2.5 ng/mL	MV2				22-Nov-14						1572217					
13581-P09	5.0 ng/mL	MV2				22-Nov-14						2924138					

Slope (m): 601526.6
y-intercept (b): 3660.869
Corr. Coeff: 0.99926587
File Name: V 81122 11212014Grev2

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-WR791
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				22-Nov-14	50	1.0	10.0	15	1	0	0.00			
81122-MV09p	TK0221426-05-001	MV2	5.02		21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	0	0.00	ND		
81122-MV10p	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	25504	0.087367	0.008719	0.00872	87
81122-MV11p	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	25814	0.088481	0.008813	0.00881	88
81122-MV12p	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	22-Nov-14	50	1.0	10.0	15	1	25786	0.088383	0.008768	0.00877	88
81122-MV13p	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	413611	1.4852	1.485200	1.49	99
81122-MV14p	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	419383	1.5060	1.497018	1.50	100
81122-MV15p	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	22-Nov-14	50	1.0	10.0	15	10	392926	1.4107	1.399504	1.40	93
13581-P13 ^a	0.25 ng/mL	MV2				22-Nov-14						106489				
13581-P15	0.050 ng/mL	MV2				22-Nov-14						15497				
13581-P14	0.10 ng/mL	MV2				22-Nov-14						28329				
13581-P11	1.0 ng/mL	MV2				22-Nov-14						280417				
13581-P12	0.50 ng/mL	MV2				22-Nov-14						139842				
13581-P10	2.5 ng/mL	MV2				22-Nov-14						688416				
13581-P09	5.0 ng/mL	MV2				22-Nov-14						1395533				
1/x weighting																
Slope (m): 277656.5																
y-intercept (b): 1246.154																
Corr. Coeff: 0.99997076																
^a DNR: outlier																
File Name: V 81122 11212014Grev2																

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-RDG40
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV vol uL	Inj Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				24-Nov-14	50	1.0	10.0	15	1	0	0.00			
81122-MV09n	TK0221426-05-001	MV2	5.02		21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	0	0.00	ND		
81122-MV10n	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	2911	0.092203	0.00920	0.00920	92
81122-MV11n	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	2875	0.090893	0.00905	0.00905	91
81122-MV12n	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	2505	0.077563	0.00769	0.00769	77
81122-MV13n	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	42348	1.5141	1.514100	1.51	101
81122-MV14n	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	46133	1.6505	1.640656	1.64	109
81122-MV15n	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	42206	1.5090	1.497024	1.50	100
13583-N3	1.0 ng/mL	MV2				24-Nov-14					30172					
13583-N5	0.25 ng/mL	MV2				24-Nov-14					7164					
13583-N6	0.10 ng/mL	MV2				24-Nov-14					3449					
13583-N7	0.050 ng/mL	MV2				24-Nov-14					1586					
13583-N4	0.50 ng/mL	MV2				24-Nov-14					13440					
13583-N2	2.5 ng/mL	MV2				24-Nov-14					70318					
13583-N1	5.0 ng/mL	MV2				24-Nov-14					137063					

Slope (m): 27735.55
y-intercept (b): 354.0671
Corr. Coeff: 0.99935294
File Name: V 81122 11212014H

81122
TK0221426

Residue Results - Method Verification
Analyte: IN-Q7H09
Matrix: Cabbage

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	MV2				24-Nov-14	50	1.0	10.0	15	1	0	0.00				
81122-MV09n	TK0221426-05-001	MV2	5.02		21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	0	0.00	0.000000	ND		
81122-MV10n	TK0221426-05-001 + LOQ	MV2	5.01	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	1696	0.098554	0.009836	0.00984	0.00984	98
81122-MV11n	TK0221426-05-001 + LOQ	MV2	5.02	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	1566	0.090430	0.009007	0.00901	0.00901	90
81122-MV12n	TK0221426-05-001 + LOQ	MV2	5.04	0.01	21-Nov-14	24-Nov-14	50	1.0	10.0	15	1	1467	0.084234	0.008357	0.00836	0.00836	84
81122-MV13n	TK0221426-05-001 + 150x LOQ	MV2	5.00	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	22372	1.3956	1.395600	1.40	1.40	93
81122-MV14n	TK0221426-05-001 + 150x LOQ	MV2	5.03	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	27977	1.7473	1.736879	1.74	1.74	116
81122-MV15n	TK0221426-05-001 + 150x LOQ	MV2	5.04	1.50	21-Nov-14	24-Nov-14	50	1.0	10.0	15	10	24218	1.5115	1.499504	1.50	1.50	100
13583-N3	1.0 ng/mL	MV2			24-Nov-14							16438					
13583-N5	0.25 ng/mL	MV2			24-Nov-14							3893					
13583-N6	0.10 ng/mL	MV2			24-Nov-14							1768					
13583-N7	0.050 ng/mL	MV2			24-Nov-14							921					
13583-N4	0.50 ng/mL	MV2			24-Nov-14							8097					
13583-N2	2.5 ng/mL	MV2			24-Nov-14							40178					
13583-N1	5.0 ng/mL	MV2			24-Nov-14							79415					

Slope (m): 15940.23
y-intercept (b): 124.6312
Corr. Coeff: 0.9990209
File Name: V 81122 11212014H

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL FV allq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-001n	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-002n	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	3874	0.07529	0.007499	0.00750	75
81122-003n	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	61957	1.39341	1.390629	1.39	93
81122-004n	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	100725	2.27322	0.226868	0.227	
81122-005n	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	137448	3.10661	0.308808	0.309	
81122-006n	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	69699	1.56911	0.156286	0.156	
81122-007n	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	98060	2.21273	0.220831	0.221	
81122-008n	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	56298	1.26499	0.125995	0.126	
81122-009n	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	73199	1.64853	0.164524	0.165	
81122-010n	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	111276	2.51267	0.250266	0.250	
81122-011n	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	94197	2.12506	0.211239	0.211	
81122-012n	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	72539	1.63355	0.162704	0.163	
81122-013n	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	57316	1.28809	0.128296	0.128	
81122-014n	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	46040	1.03220	0.103014	0.103	
81122-015n	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	79590	1.79358	0.178643	0.179	
13902-N10	1.0 ng/mL	001				11-Mar-15						49298				
13902-N12	0.25 ng/mL	001				11-Mar-15						12541				
13902-N14	0.050 ng/mL	001				11-Mar-15						2473				
13902-N13	0.10 ng/mL	001				11-Mar-15						4811				
13902-N11	0.50 ng/mL	001				11-Mar-15						22370				
13902-N09	2.5 ng/mL	001				11-Mar-15						111476				
13902-N08	5.0 ng/mL	001				11-Mar-15						215136				

Slope (m): 44064.55
y-intercept (b): 556.856
Corr. Coeff: 0.99890713
File Name: V 81122 03062015H

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL FV allq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-016n	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-017n	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	4174	0.07032	0.006990	0.00699	70
81122-018n	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	68683	1.45211	1.452110	1.45	97
81122-019n	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	125654	2.67243	0.266178	0.266	
81122-020n	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	98136	2.08299	0.207057	0.207	
81122-021n	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	130535	2.77698	0.277144	0.277	
81122-022n	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	98859	2.09848	0.208183	0.208	
81122-023n	TK0221426-02-006	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	76431	1.61806	0.160522	0.161	
81122-024n	TK0221426-02-007	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	22695	0.46704	0.046518	0.0465	
81122-025n	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	1405	0.01101	0.001092	<0.01	
81122-026n	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	1329	0.00937	0.000937	<0.01	
81122-027n	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-028n	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	1104	0.00456	0.000456	<0.01	
81122-029n	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-030n	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13902-N10	1.0 ng/mL	002				11-Mar-15						55636				
13902-N12	0.25 ng/mL	002				11-Mar-15						14997				
13902-N14	0.050 ng/mL	002				11-Mar-15						2828				
13902-N13	0.10 ng/mL	002				11-Mar-15						5095				
13902-N11	0.50 ng/mL	002				11-Mar-15						22918				
13902-N09	2.5 ng/mL	002				11-Mar-15						113050				
13902-N08	5.0 ng/mL	002				11-Mar-15						230556				

1/x weighting
Slope (m): 46685.35
y-intercept (b): 891.0189
Corr. Coeff: 0.99693829
File Name: V 81122 03062015K

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-031n	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	0.00709	71
81122-032n	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	3022	0.07090	0.00709	1.52	101
81122-033n	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	53609	1.52139	1.521390	0.0120	
81122-034n	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	4749	0.12042	0.011994	0.0125	
81122-035n	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	4931	0.12565	0.012540	0.0156	
81122-036n	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	6014	0.15668	0.015637	0.0210	
81122-037n	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	7870	0.20990	0.020990	<0.01	
81122-038n	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	3683	0.08985	0.008967	<0.01	
81122-039n	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2338	0.05129	0.005109	<0.01	
81122-040n	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2742	0.06286	0.006261	<0.01	
81122-041n	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2469	0.05504	0.005493	<0.01	
81122-042n	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2278	0.04956	0.004956	<0.01	
81122-043n	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2756	0.06327	0.006314	<0.01	
81122-044n	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	1260	0.02037	0.002033	<0.01	
81122-045n	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	3518	0.08511	0.008477	<0.01	
13902-N10	1.0 ng/mL	003				14-Mar-15						40340				
13902-N12	0.25 ng/mL	003				14-Mar-15						9892				
13902-N14	0.050 ng/mL	003				14-Mar-15						2179				
13902-N13	0.10 ng/mL	003				14-Mar-15						3688				
13902-N11	0.50 ng/mL	003				14-Mar-15						18110				
13902-N09	2.5 ng/mL	003				14-Mar-15						83530				
13902-N08	5.0 ng/mL	003				14-Mar-15						173936				

Slope (m): 34875.47
y-intercept (b): 549.4408
Corr. Coeff: 0.99825302
File Name: V 81122 03132015E

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000				
81122-046n	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-047n	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	12010	0.07705	0.007690	0.00769	0.00769	77
81122-048n	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	208253	1.48802	1.482092	1.48	1.48	99
81122-049n	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	137617	0.98015	0.097819	0.0978		
81122-050n	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	112172	0.79721	0.079403	0.0794		
81122-051n	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	13430	0.08726	0.008674	<0.01		
81122-052n	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	16588	0.10997	0.010997	0.0110		
81122-053n	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	8650	0.05290	0.005269	<0.01		
81122-054n	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	4338	0.02189	0.002176	<0.01		
81122-055n	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	51686	0.36232	0.036088	0.0361		
81122-056n	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	48971	0.34280	0.034076	0.0341		
81122-057n	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	24487	0.16676	0.016643	0.0166		
81122-058n	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	13973	0.09117	0.009081	<0.01		
81122-059n	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	2870	0.01133	0.001126	<0.01		
81122-060n	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	3905	0.01877	0.001877	<0.01		
13902-N10	1.0 ng/mL	004				10-Mar-15						150516					
13902-N12	0.25 ng/mL	004				10-Mar-15						37812					
13902-N14	0.050 ng/mL	004				10-Mar-15						7744					
13902-N13	0.10 ng/mL	004				10-Mar-15						14393					
13902-N11	0.50 ng/mL	004				10-Mar-15						72494					
13902-N09	2.5 ng/mL	004				10-Mar-15						349771					
13902-N08	5.0 ng/mL	004				10-Mar-15						683714					

Slope (m): 139084.3
y-intercept (b): 1293.277
Corr. Coeff: 0.99946999
File Name: N 81122 03092015Krev1

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				28-Feb-15	50	1.0	10.0	15	1	0.00000				
81122-061n	TK0221426-05-001	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0.00000	0.000000	ND		
81122-062n	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	5498	0.083500	0.008333	0.00833	83
81122-063n	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	28-Feb-15	50	1.0	10.0	15	10	89765	1.5776	1.571315	1.57	105
81122-064n	TK0221426-05-002	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	265155	4.6875	0.465954	0.466	
81122-065n	TK0221426-05-003	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	265038	4.6854	0.466673	0.467	
81122-066n	TK0221426-05-004	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	126654	2.2317	0.222725	0.223	
81122-067n	TK0221426-05-005	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	143834	2.5363	0.252620	0.253	
81122-068n	TK0221426-05-006	005	5.00		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	75744	1.3290	0.132900	0.133	
81122-069n	TK0221426-05-007	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	64523	1.1301	0.112336	0.112	
81122-070n	TK0221426-05-008	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	201579	3.5602	0.355309	0.355	
81122-071n	TK0221426-05-009	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	167357	2.9534	0.293579	0.294	
81122-072n	TK0221426-05-010	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	247349	4.3717	0.435428	0.435	
81122-073n	TK0221426-05-011	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	165864	2.9273	0.292146	0.292	
81122-074n	TK0221426-05-012	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	113248	1.9940	0.198606	0.199	
81122-075n	TK0221426-05-013	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	93714	1.5476	0.164431	0.164	
13902-N03	1.0 ng/mL	005				28-Feb-15										
13902-N05 ^a	0.25 ng/mL	005				28-Feb-15										
13902-N07	0.050 ng/mL	005				28-Feb-15										
13902-N06	0.10 ng/mL	005				28-Feb-15										
13902-N04	0.50 ng/mL	005				28-Feb-15										
13902-N02	2.5 ng/mL	005				28-Feb-15										
13902-N01	5.0 ng/mL	005				28-Feb-15										

Slope (m): 56398.63
y-intercept (b): 788.6925
Corr. Coeff: 0.99904544
^aDNR; outlier

File Name: V 81122 02272015B

ABC Laboratories, Inc.

Residue Results
Analyte: DPX-QGU42
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076n	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-077n	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2568	0.08016	0.008016	0.00802	0.00802	80
81122-078n	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	42582	1.32885	1.328850	1.33	1.33	89
81122-079n ^a	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	172633	5.38721	0.536575	0.537		
81122-080n ^a	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	174420	5.44299	0.543213	0.543		
81122-081n	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	140841	4.39513	0.438636	0.439		
81122-082n ^a	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	165212	5.15564	0.512489	0.512		
81122-083n	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	129718	4.04803	0.404803	0.405		
81122-084n ^a	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	176636	5.51215	0.547927	0.548		
81122-085n ^a	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	164113	5.12134	0.510094	0.510		
81122-086n	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	141474	4.41489	0.438856	0.439		
81122-087n ^a	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	167853	5.23807	0.520683	0.521		
81122-088n	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	125486	3.91596	0.388488	0.388		
81122-089n	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	127262	3.97138	0.396345	0.396		
81122-090n	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	134027	4.18248	0.416582	0.417		
13902-N10	1.0 ng/mL	006				14-Mar-15						30190					
13902-N12	0.25 ng/mL	006				14-Mar-15						7493					
13902-N14	0.050 ng/mL	006				14-Mar-15						1964					
13902-N13	0.10 ng/mL	006				14-Mar-15						2844					
13902-N11	0.50 ng/mL	006				14-Mar-15						15779					
13902-N09	2.5 ng/mL	006				14-Mar-15						81276					
13902-N08	5.0 ng/mL	006				14-Mar-15						161671					

1/x weighting

Slope (m): 32045.06

y-intercept (b): -1.0116

Corr. Coeff: 0.99942867

^aDNR; dilution required

File Name: V 81122 03132015B

81122
TK0221426

Residue Results
Analyte: DPX-QGU42
Matrix: Cabbage

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				16-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076n ^a	TK0221426-06-001	006	5.00		12-Mar-15	16-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-078n ^a	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	52959	1.34474	1.344740	1.34	1.34	90
81122-079n	TK0221426-06-002	006	5.02		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	23157	0.58635	0.584014	0.584		
81122-080n	TK0221426-06-003	006	5.01		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	24473	0.61983	0.618593	0.619		
81122-082n	TK0221426-06-005	006	5.03		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	23027	0.58304	0.579563	0.580		
81122-084n	TK0221426-06-007	006	5.03		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	24433	0.61881	0.615119	0.615		
81122-085n	TK0221426-06-008	006	5.02		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	21016	0.53185	0.529731	0.530		
81122-087n	TK0221426-06-010	006	5.03		12-Mar-15	16-Mar-15	50	1.0	10.0	15	10	22530	0.57038	0.566978	0.567		
13902-N10	1.0 ng/mL	006				16-Mar-15						41413					
13902-N12	0.25 ng/mL	006				16-Mar-15						10632					
13902-N14	0.050 ng/mL	006				16-Mar-15						2137					
13902-N13	0.10 ng/mL	006				16-Mar-15						3514					
13902-N11	0.50 ng/mL	006				16-Mar-15						19771					
13902-N09	2.5 ng/mL	006				16-Mar-15						97735					
13902-N08	5.0 ng/mL	006				16-Mar-15						194994					

1/x weighting

Slope (m): 39295.91

y-intercept (b): 116.3793

Corr. Coeff: 0.99962131

^aConfirmatory only

File Name: V 81122 03162015B

81122
TK0221426

Residue Results
Analyte: IN-SXS67
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-001p	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-002p	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	6359	0.07325	0.007296	0.00730	73
81122-003p	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	134350	1.43679	1.433922	1.43	96
81122-004p	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-005p	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-006p	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-007p	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-008p	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-009p	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-010p	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-011p	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-012p	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-013p	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-014p	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-015p	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	001				11-Mar-15						23030				
13905-P07	0.050 ng/mL	001				11-Mar-15						4263				
13905-P03	1.0 ng/mL	001				11-Mar-15						92521				
13905-P06	0.10 ng/mL	001				11-Mar-15						8719				
13905-P04	0.50 ng/mL	001				11-Mar-15						46252				
13905-P02	2.5 ng/mL	001				11-Mar-15						236258				
13905-P01	5.0 ng/mL	001				11-Mar-15						467688				

1/x weighting
Slope (m): 93866.94
y-intercept (b): -516.7243
Corr. Coeff: 0.99997774
File Name: V 81122 03062015Grev2

ABC Laboratories, Inc.

Residue Results
Analyte: IN-SXS67
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	002				11-Mar-15	50	1.0	10.0	15	0	0.00000				
81122-016p	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-017p	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	8047	0.08885	0.00883	0.00883	88
81122-018p	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	141605	1.52615	1.526150	1.53	102
81122-019p	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-020p	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-021p	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-022p	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-023p	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-024p	TK0221426-02-007	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-025p	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-026p	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-027p	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-028p	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-029p	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-030p	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13905-P05	0.25 ng/mL	002				11-Mar-15						23521				
13905-P07	0.050 ng/mL	002				11-Mar-15						4931				
13905-P03	1.0 ng/mL	002				11-Mar-15						91090				
13905-P06	0.10 ng/mL	002				11-Mar-15						8029				
13905-P04	0.50 ng/mL	002				11-Mar-15						46646				
13905-P02	2.5 ng/mL	002				11-Mar-15						228274				
13905-P01	5.0 ng/mL	002				11-Mar-15						469519				

1/x weighting
Slope (m): 92922.87
y-intercept (b): -209.2095
Corr. Coeff: 0.99977813
File Name: V 81122 03062015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-SXS67
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-031p	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-032p	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	6329	0.07992	0.00799	0.00799	80
81122-033p	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	128159	1.42064	1.42	1.42	95
81122-034p	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-035p	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-036p	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-037p	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-038p	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-039p	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-040p	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-041p	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-042p	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-043p	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-044p	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-045p	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13905-P05	0.25 ng/mL					14-Mar-15						20589				
13905-P07	0.050 ng/mL					14-Mar-15						3592				
13905-P03	1.0 ng/mL					14-Mar-15						87990				
13905-P06	0.10 ng/mL					14-Mar-15						9287				
13905-P04	0.50 ng/mL					14-Mar-15						41628				
13905-P02	2.5 ng/mL					14-Mar-15						228707				
13905-P01	5.0 ng/mL					14-Mar-15						455842				

Slope (m): 90869.38
y-intercept (b): -933.9016
Corr. Coeff: 0.99968250
File Name: V 81122 03132015D

ABC Laboratories, Inc.

Residue Results
Analyte: IN-SXS67
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000			
81122-046p	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-047p	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	12638	0.09469	0.009450	0.00945	95
81122-048p	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	219329	1.45407	1.448277	1.45	97
81122-049p	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-050p	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-051p	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-052p	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-053p	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-054p	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-055p	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-056p	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-057p	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-058p	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-059p	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-060p	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	004				10-Mar-15						36095				
13905-P07	0.050 ng/mL	004				10-Mar-15						6282				
13905-P03	1.0 ng/mL	004				10-Mar-15						154034				
13905-P06	0.10 ng/mL	004				10-Mar-15						12745				
13905-P04	0.50 ng/mL	004				10-Mar-15						71955				
13905-P02	2.5 ng/mL	004				10-Mar-15						377988				
13905-P01	5.0 ng/mL	004				10-Mar-15						757836				

Slope (m): 152048.3

y-intercept (b): -1759.771

Corr. Coeff: 0.99991004

File Name: N 81122 03092015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-SXS67
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				27-Feb-15	50	1.0	10.0	15	1	0	0.00000			
81122-061p	TK0221426-05-001	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-062p	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	10033	0.091896	0.009171	0.00917	92
81122-063p	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	27-Feb-15	50	1.0	10.0	15	10	178494	1.5421	1.535956	1.54	102
81122-064p	TK0221426-05-002	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-065p	TK0221426-05-003	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-066p	TK0221426-05-004	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-067p	TK0221426-05-005	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-068p	TK0221426-05-006	005	5.00		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-069p	TK0221426-05-007	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-070p	TK0221426-05-008	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-071p	TK0221426-05-009	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-072p	TK0221426-05-010	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-073p	TK0221426-05-011	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-074p	TK0221426-05-012	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-075p	TK0221426-05-013	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	005				27-Feb-15						30394				
13905-P07	0.050 ng/mL	005				27-Feb-15						4933				
13905-P03	1.0 ng/mL	005				27-Feb-15						116234				
13905-P06	0.10 ng/mL	005				27-Feb-15						10727				
13905-P04	0.50 ng/mL	005				27-Feb-15						56798				
13905-P02	2.5 ng/mL	005				27-Feb-15						290094				
13905-P01	5.0 ng/mL	005				27-Feb-15						578299				

Slope (m): 116167.3
y-intercept (b): -641.8691
Corr. Coeff: 0.99990984
File Name: V 81122 02272015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-SXS67
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076p	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-077p	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	7877	0.08956	0.008956	0.00896	0.00896	90
81122-078p	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	126431	1.37942	1.379420	1.38	1.38	92
81122-079p	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-080p	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-081p	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-082p	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-083p	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-084p	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-085p	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-086p	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-087p	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-088p	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-089p	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-090p	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	006				14-Mar-15						21204					
13905-P07	0.050 ng/mL	006				14-Mar-15						4639					
13905-P03	1.0 ng/mL	006				14-Mar-15						93954					
13905-P06	0.10 ng/mL	006				14-Mar-15						9003					
13905-P04	0.50 ng/mL	006				14-Mar-15						42565					
13905-P02	2.5 ng/mL	006				14-Mar-15						226644					
13905-P01	5.0 ng/mL	006				14-Mar-15						463482					

Slope (m): 91911.91
y-intercept (b): -354.3587
Corr. Coeff: 0.99968992
File Name: V 81122 03132015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001p	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-002p	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	35627	0.09183	0.009146	0.00915	0.00915	91
81122-003p	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	569552	1.51436	1.511337	1.51	1.51	101
81122-004p	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-005p	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-006p	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-007p	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-008p	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-009p	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-010p	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-011p	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-012p	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-013p	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-014p	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-015p	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	001				11-Mar-15						104708					
13905-P07	0.050 ng/mL	001				11-Mar-15						19868					
13905-P03	1.0 ng/mL	001				11-Mar-15						373962					
13905-P06	0.10 ng/mL	001				11-Mar-15						36319					
13905-P04	0.50 ng/mL	001				11-Mar-15						184041					
13905-P02	2.5 ng/mL	001				11-Mar-15						930419					
13905-P01	5.0 ng/mL	001				11-Mar-15						1886942					

1/x weighting
Slope (m): 375333.2
y-intercept (b): 1160.956
Corr. Coeff: 0.99976526
File Name: V 81122 03062015Grev2

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016p	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017p	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	37986	0.09463	0.009407	0.00941	0.00941	94
81122-018p	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	564039	1.53277	1.532770	1.53	1.53	102
81122-019p	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020p	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021p	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022p	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023p	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-024p	TK0221426-02-007	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-025p	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026p	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027p	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028p	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029p	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030p	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	002				11-Mar-15						106703					
13905-P07	0.050 ng/mL	002				11-Mar-15						20622					
13905-P03	1.0 ng/mL	002				11-Mar-15						371171					
13905-P06	0.10 ng/mL	002				11-Mar-15						37292					
13905-P04	0.50 ng/mL	002				11-Mar-15						184721					
13905-P02	2.5 ng/mL	002				11-Mar-15						930681					
13905-P01	5.0 ng/mL	002				11-Mar-15						1810805					

1/x weighting
Slope (m): 365787.9
y-intercept (b): 3369.927
Corr. Coeff: 0.99961971
File Name: V 81122 03062015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-031p	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-032p	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	21764	0.08948	0.00895	0.00895	89
81122-033p	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	365476	1.53532	1.54	1.54	102
81122-034p	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-035p	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-036p	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-037p	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-038p	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-039p	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-040p	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-041p	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-042p	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-043p	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-044p	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-045p	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13905-P05	0.25 ng/mL					14-Mar-15						66738				
13905-P07	0.050 ng/mL					14-Mar-15						12096				
13905-P03	1.0 ng/mL					14-Mar-15						238332				
13905-P06	0.10 ng/mL					14-Mar-15						22342				
13905-P04	0.50 ng/mL					14-Mar-15						118371				
13905-P02	2.5 ng/mL					14-Mar-15						595670				
13905-P01	5.0 ng/mL					14-Mar-15						1184512				

Slope (m): 237726
y-intercept (b): 491.0641
Corr. Coeff: 0.99974791
File Name: V 81122 03132015D

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
81122-046p	Injection Solvent	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000			
81122-047p	TK0221426-04-001	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	61871	0.08160	0.00814	0.00814	81
81122-048p	TK0221426-04-001 + LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	991206	1.52922	1.52	1.52	102
81122-049p	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-050p	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-051p	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-052p	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-053p	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-054p	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-055p	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-056p	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-057p	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-058p	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-059p	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
81122-060p	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	ND		
13905-P05	0.25 ng/mL	004										189793				
13905-P07	0.050 ng/mL	004										34858				
13905-P03	1.0 ng/mL	004										685705				
13905-P06	0.10 ng/mL	004										73313				
13905-P04	0.50 ng/mL	004										344379				
13905-P02	2.5 ng/mL	004										1659747				
13905-P01	5.0 ng/mL	004										3113178				

Slope (m): 641976.8
y-intercept (b): 9484.407
Corr. Coeff: 0.99893596
File Name: N 81122 03092015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				27-Feb-15	50	1.0	10.0	15	1	0	0.00000			
81122-061p	TK0221426-05-001	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-062p	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	32680	0.087725	0.008755	0.00875	88
81122-063p	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	27-Feb-15	50	1.0	10.0	15	10	557026	1.5605	1.554283	1.55	104
81122-064p	TK0221426-05-002	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-065p	TK0221426-05-003	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-066p	TK0221426-05-004	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-067p	TK0221426-05-005	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-068p	TK0221426-05-006	005	5.00		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-069p	TK0221426-05-007	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-070p	TK0221426-05-008	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-071p	TK0221426-05-009	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-072p	TK0221426-05-010	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-073p	TK0221426-05-011	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-074p	TK0221426-05-012	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-075p	TK0221426-05-013	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	005				27-Feb-15						101054				
13905-P07	0.050 ng/mL	005				27-Feb-15						19255				
13905-P03	1.0 ng/mL	005				27-Feb-15						353377				
13905-P06	0.10 ng/mL	005				27-Feb-15						34528				
13905-P04	0.50 ng/mL	005				27-Feb-15						172656				
13905-P02	2.5 ng/mL	005				27-Feb-15						890676				
13905-P01	5.0 ng/mL	005				27-Feb-15						1785284				

Slope (m): 356032.3
y-intercept (b): 1446.557
Corr. Coeff: 0.99969541
File Name: V 81122 02272015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-E8S72
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076p	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-077p	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	20493	0.07895	0.007895	0.00790	0.00790	79
81122-078p	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	333347	1.43429	1.434290	1.43	1.43	96
81122-079p	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-080p	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-081p	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-082p	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-083p	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-084p	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-085p	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-086p	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-087p	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-088p	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-089p	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-090p	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	006				14-Mar-15						69285					
13905-P07	0.050 ng/mL	006				14-Mar-15						13061					
13905-P03	1.0 ng/mL	006				14-Mar-15						232185					
13905-P06	0.10 ng/mL	006				14-Mar-15						22700					
13905-P04	0.50 ng/mL	006				14-Mar-15						121921					
13905-P02	2.5 ng/mL	006				14-Mar-15						572084					
13905-P01	5.0 ng/mL	006				14-Mar-15						1154456					

Slope (m): 230831
y-intercept (b): 2268.662
Corr. Coeff: 0.99943634
File Name: V 81122 03132015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001p	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-002p	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	6530	0.09540	0.009502	0.00950	0.00950	95
81122-003p	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	103974	1.44840	1.445509	1.45	1.45	96
81122-004p	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-005p	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-006p	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-007p	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-008p	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-009p	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-010p	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-011p	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-012p	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-013p	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-014p	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-015p	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	001				11-Mar-15						19397					
13905-P07	0.050 ng/mL	001				11-Mar-15						3302					
13905-P03	1.0 ng/mL	001				11-Mar-15						72482					
13905-P06	0.10 ng/mL	001				11-Mar-15						6631					
13905-P04	0.50 ng/mL	001				11-Mar-15						32906					
13905-P02	2.5 ng/mL	001				11-Mar-15						175553					
13905-P01	5.0 ng/mL	001				11-Mar-15						364340					

1/x weighting

Slope (m): 72021.1
y-intercept (b): -341.2304
Corr. Coeff: 0.99952883
File Name: V 81122 03062015Grev2

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016p	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017p	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	5941	0.08526	0.008475	0.00848	0.00848	85
81122-018p	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	108681	1.57742	1.577420	1.58	1.58	105
81122-019p	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020p	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021p	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022p	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023p	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-024p	TK0221426-02-007	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-025p	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026p	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027p	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028p	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029p	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030p	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	002				11-Mar-15						17289					
13905-P07	0.050 ng/mL	002				11-Mar-15						4061					
13905-P03	1.0 ng/mL	002				11-Mar-15						65936					
13905-P06	0.10 ng/mL	002				11-Mar-15						6374					
13905-P04	0.50 ng/mL	002				11-Mar-15						33030					
13905-P02	2.5 ng/mL	002				11-Mar-15						171533					
13905-P01	5.0 ng/mL	002				11-Mar-15						349493					

Slope (m): 68853.34
y-intercept (b): 70.5043
Corr. Coeff: 0.99963401
File Name: V 81122 03062015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-031p	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-032p	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	6292	0.09983	0.00998	0.00998	100
81122-033p	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	93828	1.41793	1.42	1.42	95
81122-034p	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-035p	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-036p	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-037p	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-038p	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-039p	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-040p	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-041p	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-042p	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-043p	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-044p	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-045p	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13905-P05	0.25 ng/mL					14-Mar-15						15796				
13905-P07	0.050 ng/mL					14-Mar-15						3539				
13905-P03	1.0 ng/mL					14-Mar-15						61495				
13905-P06	0.10 ng/mL					14-Mar-15						5836				
13905-P04	0.50 ng/mL					14-Mar-15						32146				
13905-P02	2.5 ng/mL					14-Mar-15						167217				
13905-P01	5.0 ng/mL					14-Mar-15						335866				

Slope (m): 66410.47
y-intercept (b): -337.6063
Corr. Coeff: 0.99950133
File Name: V 81122 03132015D

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV vol uL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000				
81122-046p	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-047p	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	6652	0.07820	0.007804	0.00780	0.00780	78
81122-048p	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	141227	1.49911	1.493137	1.49	1.49	100
81122-049p	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-050p	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-051p	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-052p	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-053p	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-054p	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-055p	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-056p	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-057p	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-058p	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-059p	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-060p	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	004				10-Mar-15						21449					
13905-P07	0.050 ng/mL	004				10-Mar-15						3764					
13905-P03	1.0 ng/mL	004				10-Mar-15						101185					
13905-P06	0.10 ng/mL	004				10-Mar-15						10500					
13905-P04	0.50 ng/mL	004				10-Mar-15						39596					
13905-P02	2.5 ng/mL	004				10-Mar-15						232217					
13905-P01	5.0 ng/mL	004				10-Mar-15						476285					

Slope (m): 94710.53
y-intercept (b): -754.6445
Corr. Coeff: 0.99862575
File Name: N 81122 03092015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				27-Feb-15	50	1.0	10.0	15	1	0	0.00000			
81122-061p	TK0221426-05-001	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-062p	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	6590	0.087264	0.008709	0.00871	87
81122-063p	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	27-Feb-15	50	1.0	10.0	15	10	119033	1.5542	1.548008	1.55	103
81122-064p	TK0221426-05-002	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-065p	TK0221426-05-003	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-066p	TK0221426-05-004	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-067p	TK0221426-05-005	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-068p	TK0221426-05-006	005	5.00		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-069p	TK0221426-05-007	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-070p	TK0221426-05-008	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-071p	TK0221426-05-009	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-072p	TK0221426-05-010	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-073p	TK0221426-05-011	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-074p	TK0221426-05-012	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-075p	TK0221426-05-013	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	005				27-Feb-15						20164				
13905-P07	0.050 ng/mL	005				27-Feb-15						3818				
13905-P03	1.0 ng/mL	005				27-Feb-15						82680				
13905-P06	0.10 ng/mL	005				27-Feb-15						7159				
13905-P04	0.50 ng/mL	005				27-Feb-15						35060				
13905-P02	2.5 ng/mL	005				27-Feb-15						186284				
13905-P01	5.0 ng/mL	005				27-Feb-15						384652				

Slope (m): 76649.57
y-intercept (b): -98.61919
Corr. Coeff: 0.99920528
File Name: V 81122 02272015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZB20
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076p	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-077p	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	5095	0.07965	0.007965	0.00797	0.00797	80
81122-078p	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	92130	1.43927	1.439270	1.44	1.44	96
81122-079p	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-080p	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-081p	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-082p	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-083p	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-084p	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-085p	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-086p	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-087p	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-088p	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-089p	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-090p	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	006				14-Mar-15						16193					
13905-P07	0.050 ng/mL	006				14-Mar-15						3196					
13905-P03	1.0 ng/mL	006				14-Mar-15						64727					
13905-P06	0.10 ng/mL	006				14-Mar-15						6629					
13905-P04	0.50 ng/mL	006				14-Mar-15						30086					
13905-P02	2.5 ng/mL	006				14-Mar-15						159572					
13905-P01	5.0 ng/mL	006				14-Mar-15						321305					

Slope (m): 64014.11
y-intercept (b): -3.603001
Corr. Coeff: 0.99986528
File Name: V 81122 03132015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001p	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-002p	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	59971	0.08743	0.008708	0.00871	0.00871	87
81122-003p	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	1001514	1.48544	1.482475	1.48	1.48	99
81122-004p	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-005p	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-006p	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-007p	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-008p	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-009p	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-010p	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-011p	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-012p	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-013p	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-014p	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
81122-015p	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND		
13905-P05	0.25 ng/mL	001				11-Mar-15						173139					
13905-P07	0.050 ng/mL	001				11-Mar-15						33558					
13905-P03	1.0 ng/mL	001				11-Mar-15						671712					
13905-P06	0.10 ng/mL	001				11-Mar-15						69450					
13905-P04	0.50 ng/mL	001				11-Mar-15						335429					
13905-P02	2.5 ng/mL	001				11-Mar-15						1717563					
13905-P01	5.0 ng/mL	001				11-Mar-15						3337542					

1/x weighting

Slope (m): 673487

y-intercept (b): 1087.962

Corr. Coeff: 0.99990004

File Name: V 81122 03062015Grev2

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016p	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017p	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	69426	0.10296	0.010235	0.0102	0.0102	102
81122-018p	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	1046279	1.55028	1.550280	1.55	1.55	103
81122-019p	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020p	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021p	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022p	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023p	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-024p	TK0221426-02-007	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-025p	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026p	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027p	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028p	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029p	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030p	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	002				11-Mar-15						172535					
13905-P07	0.050 ng/mL	002				11-Mar-15						34922					
13905-P03	1.0 ng/mL	002				11-Mar-15						674077					
13905-P06	0.10 ng/mL	002				11-Mar-15						64520					
13905-P04	0.50 ng/mL	002				11-Mar-15						329855					
13905-P02	2.5 ng/mL	002				11-Mar-15						1704279					
13905-P01	5.0 ng/mL	002				11-Mar-15						3363779					

1/x weighting

Slope (m): 674940.6

y-intercept (b): -67.78105

Corr. Coeff: 0.99994187

File Name: V 81122 03062015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV vol uL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-031p	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-032p	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	53286	0.09294	0.009294	0.00929	0.00929	93
81122-033p	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	821863	1.46993	1.469930	1.47	1.47	98
81122-034p	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-035p	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-036p	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-037p	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-038p	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-039p	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-040p	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-041p	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-042p	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-043p	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-044p	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
81122-045p	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	ND	
13905-P05	0.25 ng/mL	003				14-Mar-15						145661					
13905-P07	0.050 ng/mL	003				14-Mar-15						29669					
13905-P03	1.0 ng/mL	003				14-Mar-15						553229					
13905-P06	0.10 ng/mL	003				14-Mar-15						54549					
13905-P04	0.50 ng/mL	003				14-Mar-15						280609					
13905-P02	2.5 ng/mL	003				14-Mar-15						1428410					
13905-P01	5.0 ng/mL	003				14-Mar-15						2764409					

Slope (m): 558153.5
y-intercept (b): 1413.395
Corr. Coeff: 0.99984995
File Name: V 81122 03132015D

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000			
81122-046p	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-047p	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	100727	0.08986	0.00897	0.00897	90
81122-048p	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	1461568	1.50879	1.502779	1.50	100
81122-049p	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-050p	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-051p	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-052p	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-053p	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-054p	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-055p	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-056p	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-057p	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-058p	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-059p	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-060p	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	004				10-Mar-15						263392				
13905-P07	0.050 ng/mL	004				10-Mar-15						56324				
13905-P03	1.0 ng/mL	004				10-Mar-15						1093139				
13905-P06	0.10 ng/mL	004				10-Mar-15						100813				
13905-P04	0.50 ng/mL	004				10-Mar-15						538833				
13905-P02	2.5 ng/mL	004				10-Mar-15						2443164				
13905-P01	5.0 ng/mL	004				10-Mar-15						4621368				

Slope (m): 959061.8
y-intercept (b): 14550.28
Corr. Coeff: 0.99813849
File Name: N 81122 03092015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				27-Feb-15	50	1.0	10.0	15	1	0	0.00000				
81122-061p	TK0221426-05-001	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-062p	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	74847	0.092239	0.009205	0.00921	0.00921	92
81122-063p	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	27-Feb-15	50	1.0	10.0	15	10	1237644	1.5922	1.585857	1.59	1.59	106
81122-064p	TK0221426-05-002	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-065p	TK0221426-05-003	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-066p	TK0221426-05-004	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-067p	TK0221426-05-005	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-068p	TK0221426-05-006	005	5.00		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-069p	TK0221426-05-007	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-070p	TK0221426-05-008	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-071p	TK0221426-05-009	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-072p	TK0221426-05-010	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-073p	TK0221426-05-011	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-074p	TK0221426-05-012	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-075p	TK0221426-05-013	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	005				27-Feb-15						204065					
13905-P07	0.050 ng/mL	005				27-Feb-15						41653					
13905-P03	1.0 ng/mL	005				27-Feb-15						796235					
13905-P06	0.10 ng/mL	005				27-Feb-15						77192					
13905-P04	0.50 ng/mL	005				27-Feb-15						392009					
13905-P02	2.5 ng/mL	005				27-Feb-15						1954227					
13905-P01	5.0 ng/mL	005				27-Feb-15						3845205					

Slope (m): 775234.7
y-intercept (b): 3340.297
Corr. Coeff: 0.99990290
File Name: V 81122 02272015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RZD74
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-076p	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-077p	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	50857	0.09296	0.00930	0.00930	93
81122-078p	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	768297	1.41326	1.41	1.41	94
81122-079p	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-080p	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-081p	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-082p	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-083p	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-084p	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-085p	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-086p	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-087p	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-088p	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-089p	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-090p	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13905-P05	0.25 ng/mL	006			14-Mar-15							137908				
13905-P07	0.050 ng/mL	006			14-Mar-15							27053				
13905-P03	1.0 ng/mL	006			14-Mar-15							556031				
13905-P06	0.10 ng/mL	006			14-Mar-15							54756				
13905-P04	0.50 ng/mL	006			14-Mar-15							269644				
13905-P02	2.5 ng/mL	006			14-Mar-15							1341041				
13905-P01	5.0 ng/mL	006			14-Mar-15							2723869				

Slope (m): 543391.4
y-intercept (b): 345.962
Corr. Coeff: 0.99993437
File Name: V 81122 03132015A

81122
TK0221426

Residue Results
Analyte: IN-WR791
Matrix: Broccoli

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliqu	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001p	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-002p	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	38459	0.09935	0.009895	0.00990	0.00990	99
81122-003p	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	566593	1.48286	1.479900	1.48	1.48	99
81122-004p	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-005p	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-006p	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-007p	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-008p	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-009p	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-010p	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-011p	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-012p	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-013p	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-014p	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-015p	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	001				11-Mar-15						97196					
13905-P07	0.050 ng/mL	001				11-Mar-15						17077					
13905-P03	1.0 ng/mL	001				11-Mar-15						410865					
13905-P06	0.10 ng/mL	001				11-Mar-15						40543					
13905-P04	0.50 ng/mL	001				11-Mar-15						191746					
13905-P02	2.5 ng/mL	001				11-Mar-15						975623					
13905-P01	5.0 ng/mL	001				11-Mar-15						1858995					

Slope (m): 381736.1
y-intercept (b): 532.4318
Corr. Coeff: 0.99929576
File Name: V 81122 03062015Grev2

ABC Laboratories, Inc.

Residue Results
Analyte: IN-WR791
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016p	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017p	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	33358	0.09243	0.009188	0.00919	0.00919	92
81122-018p	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	575807	1.56010	1.560100	1.56	1.56	104
81122-019p	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020p	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021p	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022p	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023p	TK0221426-02-006	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	8175	0.01861	0.001846	<0.01		
81122-024p	TK0221426-02-007	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	9461	0.02210	0.002201	<0.01		
81122-025p	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026p	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027p	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028p	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029p	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030p	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	002				11-Mar-15						88926					
13905-P07	0.050 ng/mL	002				11-Mar-15						21401					
13905-P03	1.0 ng/mL	002				11-Mar-15						389557					
13905-P06	0.10 ng/mL	002				11-Mar-15						35799					
13905-P04	0.50 ng/mL	002				11-Mar-15						182288					
13905-P02	2.5 ng/mL	002				11-Mar-15						905064					
13905-P01	5.0 ng/mL	002				11-Mar-15						1847642					

1/x weighting
Slope (m): 368235.7
y-intercept (b): 1322.971
Corr. Coeff: 0.99966830
File Name: V 81122 03062015J

81122
TK0221426

Residue Results
Analyte: IN-WR791
Matrix: Cauliflower

ABC Laboratories, Inc.

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext sdv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-031p	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-032p	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	23129	0.08378	0.008378	0.00838	0.00838	84
81122-033p	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	397896	1.55083	1.550830	1.55	1.55	103
81122-034p	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-035p	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-036p	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-037p	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-038p	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-039p	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-040p	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-041p	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-042p	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-043p	TK0221426-03-011	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-044p	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-045p	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	003				14-Mar-15						67854					
13905-P07	0.050 ng/mL	003				14-Mar-15						14305					
13905-P03	1.0 ng/mL	003				14-Mar-15						254093					
13905-P06	0.10 ng/mL	003				14-Mar-15						27086					
13905-P04	0.50 ng/mL	003				14-Mar-15						126724					
13905-P02	2.5 ng/mL	003				14-Mar-15						662547					
13905-P01	5.0 ng/mL	003				14-Mar-15						1260768					

1/x weighting

Slope (m): 255457

y-intercept (b): 1725.978

Corr. Coeff: 0.99970739

File Name: V 81122 03132015D

ABC Laboratories, Inc.

Residue Results
Analyte: IN-WR791
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000			
81122-046p	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-047p	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	45125	0.07870	0.007854	0.00785	79
81122-048p	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	790807	1.48591	1.479990	1.48	99
81122-049p	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-050p	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-051p	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-052p	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-053p	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-054p	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-055p	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-056p	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-057p	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-058p	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-059p	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
81122-060p	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND	
13905-P05	0.25 ng/mL	004				10-Mar-15						140324				
13905-P07	0.050 ng/mL	004				10-Mar-15						28212				
13905-P03	1.0 ng/mL	004				10-Mar-15						578504				
13905-P06	0.10 ng/mL	004				10-Mar-15						53949				
13905-P04	0.50 ng/mL	004				10-Mar-15						270862				
13905-P02	2.5 ng/mL	004				10-Mar-15						1330792				
13905-P01	5.0 ng/mL	004				10-Mar-15						2602390				

Slope (m): 529900.5
y-intercept (b): 3423.958
Corr. Coeff: 0.99939258
File Name: N 81122 03092015J

ABC Laboratories, Inc.

Residue Results
Analyte: IN-WR791
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				27-Feb-15	50	1.0	10.0	15	1	0	0.00000				
81122-061p	TK0221426-05-001	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-062p	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	35609	0.093120	0.009293	0.00929	0.00929	93
81122-063p	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	27-Feb-15	50	1.0	10.0	15	10	549095	1.5340	1.527888	1.53	1.53	102
81122-064p	TK0221426-05-002	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-065p	TK0221426-05-003	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-066p	TK0221426-05-004	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-067p	TK0221426-05-005	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-068p	TK0221426-05-006	005	5.00		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	7988	0.015615	0.001562	<0.01		
81122-069p	TK0221426-05-007	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-070p	TK0221426-05-008	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-071p	TK0221426-05-009	005	5.03		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-072p	TK0221426-05-010	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-073p	TK0221426-05-011	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-074p	TK0221426-05-012	005	5.02		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-075p	TK0221426-05-013	005	5.01		26-Feb-15	27-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13905-P05	0.25 ng/mL	005				27-Feb-15						99829					
13905-P07	0.050 ng/mL	005				27-Feb-15						20348					
13905-P03	1.0 ng/mL	005				27-Feb-15						379467					
13905-P06	0.10 ng/mL	005				27-Feb-15						33285					
13905-P04	0.50 ng/mL	005				27-Feb-15						180183					
13905-P02	2.5 ng/mL	005				27-Feb-15						880091					
13905-P01	5.0 ng/mL	005				27-Feb-15						1773688					

Slope (m): 356375.5
y-intercept (b): 2423.256
Corr. Coeff: 0.99950189
File Name: V 81122 02272015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-WR791
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-076p	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-077p	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	26072	0.08827	0.00883	0.00883	88
81122-078p	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	379666	1.43349	1.43	1.43	96
81122-079p	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-080p	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-081p	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-082p	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-083p	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-084p	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-085p	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-086p	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-087p	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-088p	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-089p	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-090p	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
13905-P05	0.25 ng/mL	006			14-Mar-15	14-Mar-15						74889				
13905-P07	0.050 ng/mL	006			14-Mar-15	14-Mar-15						15779				
13905-P03	1.0 ng/mL	006			14-Mar-15	14-Mar-15						280026				
13905-P06	0.10 ng/mL	006			14-Mar-15	14-Mar-15						27686				
13905-P04	0.50 ng/mL	006			14-Mar-15	14-Mar-15						127540				
13905-P02	2.5 ng/mL	006			14-Mar-15	14-Mar-15						638864				
13905-P01	5.0 ng/mL	006			14-Mar-15	14-Mar-15						1326109				

Slope (m): 262851.3
y-intercept (b): 2870.038
Corr. Coeff: 0.99939953
File Name: V 81122 03132015A

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001n	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-002n	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	4818	0.08184	0.008151	0.00815	0.00815	82
81122-003n	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	76508	1.48976	1.486786	1.49	1.49	99
81122-004n	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-005n	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-006n	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-007n	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-008n	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-009n	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-010n	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-011n	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-012n	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-013n	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-014n	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-015n	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	001				11-Mar-15						52816					
13902-N12	0.25 ng/mL	001				11-Mar-15						15870					
13902-N14	0.050 ng/mL	001				11-Mar-15						2901					
13902-N13	0.10 ng/mL	001				11-Mar-15						5452					
13902-N11	0.50 ng/mL	001				11-Mar-15						25531					
13902-N09	2.5 ng/mL	001				11-Mar-15						124446					
13902-N08	5.0 ng/mL	001				11-Mar-15						256180					
1/x weighting																	
Slope (m): 50919.03																	
y-intercept (b): 650.9564																	
Corr. Coeff: 0.99917476																	
File Name: V 81122 03062015I																	

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016n	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017n	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	4847	0.08001	0.007953	0.00795	0.00795	80
81122-018n	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	84240	1.63988	1.639880	1.64	1.64	109
81122-019n	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020n	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021n	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022n	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023n	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-024n	TK0221426-02-007	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-025n	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026n	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027n	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028n	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029n	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030n	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	002				11-Mar-15						51374					
13902-N12	0.25 ng/mL	002				11-Mar-15						16380					
13902-N14	0.050 ng/mL	002				11-Mar-15						2999					
13902-N13	0.10 ng/mL	002				11-Mar-15						5446					
13902-N11	0.50 ng/mL	002				11-Mar-15						26454					
13902-N09	2.5 ng/mL	002				11-Mar-15						124617					
13902-N08	5.0 ng/mL	002				11-Mar-15						256583					

1/x weighting
Slope (m): 50896.82
y-intercept (b): 774.9688
Corr. Coeff: 0.99899603
File Name: V 81122 03062015L

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-031n	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-032n	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	4265	0.09721	0.009721	0.00972	0.00972	97
81122-033n	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	67292	1.62902	1.629020	1.63	1.63	109
81122-034n	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-035n	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-036n	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-037n	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-038n	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-039n	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-040n	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-041n	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-042n	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-043n	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-044n	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-045n	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	003				14-Mar-15						38638					
13902-N12	0.25 ng/mL	003				14-Mar-15						11325					
13902-N14	0.050 ng/mL	003				14-Mar-15						2405					
13902-N13	0.10 ng/mL	003				14-Mar-15						4253					
13902-N11	0.50 ng/mL	003				14-Mar-15						20112					
13902-N09	2.5 ng/mL	003				14-Mar-15						104086					
13902-N08	5.0 ng/mL	003				14-Mar-15						207804					

Slope (m): 41145.45
y-intercept (b): 264.9955
Corr. Coeff: 0.99954615
File Name: V 81122 03132015F

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000				
81122-046n	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-047n	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	19967	0.08450	0.008433	0.00843	0.00843	84
81122-048n	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	346986	1.39186	1.386315	1.39	1.39	92
81122-049n	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-050n	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-051n	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-052n	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-053n	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-054n	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-055n	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-056n	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-057n	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-058n	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-059n	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-060n	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	004				10-Mar-15						197166					
13902-N12	0.25 ng/mL	004				10-Mar-15						54538					
13902-N14	0.050 ng/mL	004				10-Mar-15						12937					
13902-N13	0.10 ng/mL	004				10-Mar-15						26096					
13902-N11	0.50 ng/mL	004				10-Mar-15						131219					
13902-N09	2.5 ng/mL	004				10-Mar-15						626387					
13902-N08	5.0 ng/mL	004				10-Mar-15						1294751					

Slope (m): 250136.7
y-intercept (b): -1170.257
Corr. Coeff: 0.99657312
File Name: N 81122 03092015L

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				28-Feb-15	50	1.0	10.0	15	1	0	0.00000			
81122-061n	TK0221426-05-001	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-062n	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	5321	0.079852	0.007969	0.00797	80
81122-063n	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	28-Feb-15	50	1.0	10.0	15	10	85164	1.7037	1.696912	1.70	113
81122-064n	TK0221426-05-002	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-065n	TK0221426-05-003	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-066n	TK0221426-05-004	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-067n	TK0221426-05-005	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-068n	TK0221426-05-006	005	5.00		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-069n	TK0221426-05-007	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-070n	TK0221426-05-008	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-071n	TK0221426-05-009	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-072n	TK0221426-05-010	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-073n	TK0221426-05-011	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-074n	TK0221426-05-012	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-075n	TK0221426-05-013	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13902-N03	1.0 ng/mL	005				28-Feb-15						58961				
13902-N05	0.25 ng/mL	005				28-Feb-15						17099				
13902-N07	0.050 ng/mL	005				28-Feb-15						3344				
13902-N06	0.10 ng/mL	005				28-Feb-15						5417				
13902-N04	0.50 ng/mL	005				28-Feb-15						25730				
13902-N02	2.5 ng/mL	005				28-Feb-15						122471				
13902-N01	5.0 ng/mL	005				28-Feb-15						238941				

Slope (m): 49169.89
y-intercept (b): 1395.168
Corr. Coeff: 0.99630341
File Name: V 81122 02272015C

ABC Laboratories, Inc.

Residue Results
Analyte: IN-RDG40
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-076n	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-077n	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	3570	0.08523	0.008523	0.00852	85
81122-078n	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	56620	1.39592	1.395920	1.40	93
81122-079n	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-080n	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-081n	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-082n	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-083n	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-084n	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-085n	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-086n	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-087n	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-088n	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-089n	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
81122-090n	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.00000	ND	
13902-N10	1.0 ng/mL	006				14-Mar-15						36347				
13902-N12	0.25 ng/mL	006				14-Mar-15						10935				
13902-N14	0.050 ng/mL	006				14-Mar-15						2288				
13902-N13	0.10 ng/mL	006				14-Mar-15						4163				
13902-N11	0.50 ng/mL	006				14-Mar-15						19361				
13902-N09	2.5 ng/mL	006				14-Mar-15						99926				
13902-N08	5.0 ng/mL	006				14-Mar-15						208288				

Slope (m): 40475.58
y-intercept (b): 119.6359
Corr. Coeff: 0.99887619
File Name: V 81122 03132015C

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV vol uL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
	Solvent	001				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-001n	TK0221426-01-001	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-002n	TK0221426-01-001 + LOQ	001	5.02	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	2445	0.07599	0.007569	0.00757	0.00757	76
81122-003n	TK0221426-01-001 + 150x LOQ	001	5.01	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	39857	1.49900	1.496008	1.50	1.50	100
81122-004n	TK0221426-01-002	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-005n	TK0221426-01-003	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-006n	TK0221426-01-004	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-007n	TK0221426-01-005	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-008n	TK0221426-01-006	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-009n	TK0221426-01-007	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-010n	TK0221426-01-008	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-011n	TK0221426-01-009	001	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-012n	TK0221426-01-010	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-013n	TK0221426-01-011	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-014n	TK0221426-01-012	001	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-015n	TK0221426-01-013	001	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	001				11-Mar-15						27488					
13902-N12	0.25 ng/mL	001				11-Mar-15						7678					
13902-N14	0.050 ng/mL	001				11-Mar-15						1693					
13902-N13	0.10 ng/mL	001				11-Mar-15						2955					
13902-N11	0.50 ng/mL	001				11-Mar-15						13448					
13902-N09	2.5 ng/mL	001				11-Mar-15						64715					
13902-N08	5.0 ng/mL	001				11-Mar-15						132289					

1/x weighting
Slope (m): 26291.06
y-intercept (b): 447.1622
Corr. Coeff: 0.99969089
File Name: V 81122 03062015I

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Broccoli

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	002				11-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-016n	TK0221426-02-001	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-017n	TK0221426-02-001 + LOQ	002	5.03	0.01	06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	2830	0.08943	0.008890	0.00889	0.00889	89
81122-018n	TK0221426-02-001 + 150x LOQ	002	5.00	1.50	06-Mar-15	11-Mar-15	50	1.0	10.0	15	10	44147	1.68394	1.683940	1.68	1.68	112
81122-019n	TK0221426-02-002	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-020n	TK0221426-02-003	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-021n	TK0221426-02-004	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-022n	TK0221426-02-005	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-023n	TK0221426-02-006	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-024n	TK0221426-02-007	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-025n	TK0221426-02-008	002	5.04		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-026n	TK0221426-02-009	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-027n	TK0221426-02-010	002	5.03		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-028n	TK0221426-02-011	002	5.00		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-029n	TK0221426-02-012	002	5.01		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-030n	TK0221426-02-013	002	5.02		06-Mar-15	11-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	002				11-Mar-15						26704					
13902-N12	0.25 ng/mL	002				11-Mar-15						7677					
13902-N14	0.050 ng/mL	002				11-Mar-15						2000					
13902-N13	0.10 ng/mL	002				11-Mar-15						2452					
13902-N11	0.50 ng/mL	002				11-Mar-15						13426					
13902-N09	2.5 ng/mL	002				11-Mar-15						64342					
13902-N08	5.0 ng/mL	002				11-Mar-15						130562					

1/x weighting

Slope (m): 25912.64

y-intercept (b): 512.0775

Corr. Coeff: 0.99932384

File Name: V 81122 03062015L

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	003				14-Mar-15	50	1.0	10.0	15	1	0	0.00000			
81122-031n	TK0221426-03-001	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-032n	TK0221426-03-001 + LOQ	003	5.00	0.01	13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	2252	0.09746	0.00975	0.00975	97
81122-033n	TK0221426-03-001 + 150x LOQ	003	5.00	1.50	13-Mar-15	14-Mar-15	50	1.0	10.0	15	10	35551	1.62091	1.62	1.62	108
81122-034n	TK0221426-03-002	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-035n	TK0221426-03-003	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-036n	TK0221426-03-004	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-037n	TK0221426-03-005	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-038n	TK0221426-03-006	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-039n	TK0221426-03-007	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-040n	TK0221426-03-008	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-041n	TK0221426-03-009	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-042n	TK0221426-03-010	003	5.00		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-043n	TK0221426-03-011	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-044n	TK0221426-03-012	003	5.01		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
81122-045n	TK0221426-03-013	003	5.02		13-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	ND		
13902-N10	1.0 ng/mL	003				14-Mar-15						19661				
13902-N12	0.25 ng/mL	003				14-Mar-15						5677				
13902-N14	0.050 ng/mL	003				14-Mar-15						1239				
13902-N13	0.10 ng/mL	003				14-Mar-15						2563				
13902-N11	0.50 ng/mL	003				14-Mar-15						10346				
13902-N09	2.5 ng/mL	003				14-Mar-15						53613				
13902-N08	5.0 ng/mL	003				14-Mar-15						113216				

Slope (m): 21858.13
y-intercept (b): 121.3671
Corr. Coeff: 0.99864639
File Name: V 81122 03132015F

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Cauliflower

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont ppm	% Rec
Solvent	Injection Solvent	004				10-Mar-15	50	1.0	10.0	20	1	0	0.00000				
81122-046n	TK0221426-04-001	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-047n	TK0221426-04-001 + LOQ	004	5.01	0.01	05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	10450	0.08926	0.008908	0.00891	0.00891	89
81122-048n	TK0221426-04-001 + 150x LOQ	004	5.02	1.50	05-Mar-15	10-Mar-15	50	1.0	10.0	20	10	172542	1.38856	1.383028	1.38	1.38	92
81122-049n	TK0221426-04-002	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-050n	TK0221426-04-003	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-051n	TK0221426-04-004	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-052n	TK0221426-04-005	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-053n	TK0221426-04-006	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-054n	TK0221426-04-007	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-055n	TK0221426-04-008	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-056n	TK0221426-04-009	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-057n	TK0221426-04-010	004	5.01		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-058n	TK0221426-04-011	004	5.02		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-059n	TK0221426-04-012	004	5.03		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
81122-060n	TK0221426-04-013	004	5.00		05-Mar-15	10-Mar-15	50	1.0	10.0	20	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	004				10-Mar-15						92903					
13902-N12	0.25 ng/mL	004				10-Mar-15						26660					
13902-N14	0.050 ng/mL	004				10-Mar-15						6341					
13902-N13	0.10 ng/mL	004				10-Mar-15						13036					
13902-N11	0.50 ng/mL	004				10-Mar-15						66421					
13902-N09	2.5 ng/mL	004				10-Mar-15						327148					
13902-N08	5.0 ng/mL	004				10-Mar-15						635374					

Slope (m): 124753.4
y-intercept (b): -685.8242
Corr. Coeff: 0.99513553
File Name: N 81122 03092015L

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	005				28-Feb-15	50	1.0	10.0	15	1	0	0.00000			
81122-061n	TK0221426-05-001	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-062n	TK0221426-05-001 + LOQ	005	5.01	0.01	26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	3067	0.097371	0.009718	0.00972	97
81122-063n	TK0221426-05-001 + 150x LOQ	005	5.02	1.50	26-Feb-15	28-Feb-15	50	1.0	10.0	15	10	44763	1.7356	1.728685	1.73	115
81122-064n	TK0221426-05-002	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-065n	TK0221426-05-003	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-066n	TK0221426-05-004	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-067n	TK0221426-05-005	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-068n	TK0221426-05-006	005	5.00		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-069n	TK0221426-05-007	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-070n	TK0221426-05-008	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-071n	TK0221426-05-009	005	5.03		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-072n	TK0221426-05-010	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-073n	TK0221426-05-011	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-074n	TK0221426-05-012	005	5.02		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
81122-075n	TK0221426-05-013	005	5.01		26-Feb-15	28-Feb-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND	
13902-N03	1.0 ng/mL	005				28-Feb-15						29712				
13902-N05	0.25 ng/mL	005				28-Feb-15						8975				
13902-N07	0.050 ng/mL	005				28-Feb-15						1679				
13902-N06	0.10 ng/mL	005				28-Feb-15						2482				
13902-N04	0.50 ng/mL	005				28-Feb-15						12912				
13902-N02	2.5 ng/mL	005				28-Feb-15						64819				
13902-N01	5.0 ng/mL	005				28-Feb-15						122790				

Slope (m): 25451.55
y-intercept (b): 589.2624
Corr. Coeff: 0.99617400
File Name: V 81122 02272015C

ABC Laboratories, Inc.

Residue Results
Analyte: IN-Q7H09
Matrix: Cabbage

81122
TK0221426

ABC ID	Sample Identification	Set #	Samp Wt g	Fort Level ppm	Extraction Date	Injection Date	mL ext solv	mL aliq	FV mL	Inj vol uL	Dil Fact	Peak Resp	ng/mL found	ppm	rept ppm	corr for cont. ppm	% Rec
Solvent	Injection Solvent	006				14-Mar-15	50	1.0	10.0	15	1	0	0.00000				
81122-076n	TK0221426-06-001	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-077n	TK0221426-06-001 + LOQ	006	5.00	0.01	12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	1998	0.09456	0.009456	0.00946	0.00946	95
81122-078n	TK0221426-06-001 + 150x LOQ	006	5.00	1.50	12-Mar-15	14-Mar-15	50	1.0	10.0	15	10	33317	1.58354	1.583540	1.58	1.58	106
81122-079n	TK0221426-06-002	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-080n	TK0221426-06-003	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-081n	TK0221426-06-004	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-082n	TK0221426-06-005	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-083n	TK0221426-06-006	006	5.00		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-084n	TK0221426-06-007	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-085n	TK0221426-06-008	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-086n	TK0221426-06-009	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-087n	TK0221426-06-010	006	5.03		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-088n	TK0221426-06-011	006	5.04		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-089n	TK0221426-06-012	006	5.01		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
81122-090n	TK0221426-06-013	006	5.02		12-Mar-15	14-Mar-15	50	1.0	10.0	15	1	0	0.00000	0.000000	ND		
13902-N10	1.0 ng/mL	006			14-Mar-15	14-Mar-15						19995					
13902-N12	0.25 ng/mL	006			14-Mar-15	14-Mar-15						5962					
13902-N14	0.050 ng/mL	006			14-Mar-15	14-Mar-15						1054					
13902-N13	0.10 ng/mL	006			14-Mar-15	14-Mar-15						2039					
13902-N11	0.50 ng/mL	006			14-Mar-15	14-Mar-15						10020					
13902-N09	2.5 ng/mL	006			14-Mar-15	14-Mar-15						52304					
13902-N08	5.0 ng/mL	006			14-Mar-15	14-Mar-15						106407					

Slope (m): 21034.19
y-intercept (b): 8.622914
Corr. Coeff: 0.99945241
File Name: V 81122 03132015C

APPENDIX 3 Mann-Whitney U Test Calculations

Individual Oxathiapiprolin (Parent) Residue Data at 0 DALA Across Trials

Raw Data (ppm):

SC	0.2269	0.3088	0.2661	0.2071	0.0120	0.0125	0.0978	0.0794	0.4660	0.4667	0.5840	0.6186
OD	0.2503	0.2112	0.0100	0.0100	0.0100	0.0100	0.0361	0.0341	0.3553	0.2936	0.5297	0.4389

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	12.0	8.0	10.0	14.0	20.0	19.0	15.0	16.0	5.0	4.0	2.0	1.0
OD	11.0	13.0	22.5	22.5	22.5	22.5	17.0	18.0	7.0	9.0	3.0	6.0

The sums of the ranks of the two samples are:

126.00	R_1
174.00	R_2

The U-values are:

96.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
48.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

48.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
------	--

The two sample sizes are:

12, 12	n_1, n_2
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Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	42	5%	37	2%	31

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (48.0 > 37)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.279	0.182
0.214	0.190
0.0617	0.0548
0.143	0.0618
0.415	0.303
0.012	<0.010 (<LOQ)
0.247	0.124
0.619	0.530
0.1719; not significantly different	

Individual Oxathiapiprolin (Parent) Residue Data at 2 or 3 DALA for Across Trials

Raw Data (ppm):

SC	0.1563	0.2208	0.2771	0.2082	0.0156	0.0210	0.0100	0.0110	0.2227	0.2526	0.4386	0.5796
OD	0.1627	0.1283	0.0050	0.0100	0.0100	0.0100	0.0166	0.0100	0.4354	0.2921	0.5670	0.3885

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	13.0	10.0	7.0	11.0	17.0	15.0	21.0	18.0	9.0	8.0	3.0	1.0
OD	12.0	14.0	24.0	21.0	21.0	21.0	16.0	21.0	4.0	6.0	2.0	5.0

The sums of the ranks of the two samples are:

133.00	R_1
167.00	R_2

The U-values are:

89.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
55.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

55.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
------	--

The two sample sizes are:

12, 12	n_1, n_2
--------	------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	42	5%	37	2%	31

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (55.0 > 37)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.201	0.170
0.179	0.201
0.0515	0.0581
0.0877	0.0417
0.315	0.298
<0.010 (<LOQ)	0.005* (ND)
0.215	0.0725
0.580	0.567
0.3450; not significantly different	

*For statistical calculations, 0.01 ppm was used for residues <LOQ, and 0.005 ppm was used for not detected (ND), i.e. no chromatographic signal at the retention time of the analyte.

Individual Oxathiapiprolin (Parent) Residue Data at 6 or 7 DALA Across Trials

Raw Data (ppm):

SC	0.1260	0.1645	0.1605	0.0465	0.0100	0.0100	0.0100	0.0100	0.1329	0.1123	0.4048	0.6151
OD	0.1030	0.1786	0.0050	0.0050	0.0100	0.0100	0.0100	0.0100	0.1986	0.1644	0.3963	0.4166

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	11.0	7.0	9.0	14.0	18.5	18.5	18.5	18.5	10.0	12.0	3.0	1.0
OD	13.0	6.0	23.5	23.5	18.5	18.5	18.5	18.5	5.0	8.0	4.0	2.0

The sums of the ranks of the two samples are:

141.00	R_1
159.00	R_2

The U-values are:

81.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
63.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

63.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
------	--

The two sample sizes are:

12, 12	n_1, n_2
--------	------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	42	5%	37	2%	31

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (63.0 > 37)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.150	0.126
0.184	0.151
0.0532	0.0436
0.0332	0.0297
0.267	0.222
<0.010 (<LOQ)	0.005* (ND)
0.119	0.0565
0.615	0.417
0.6132; not significantly different	

*For statistical calculations, 0.01 ppm was used for residues <LOQ, and 0.005 ppm was used for not detected (ND), i.e. no chromatographic signal at the retention time of the analyte.

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -01 Across All PHIs

Raw Data (ppm):

SC	0.2269	0.3088	0.1563	0.2208	0.1260	0.1645						
OD	0.2503	0.2112	0.1627	0.1283	0.1030	0.1786						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	3.0	1.0	9.0	4.0	11.0	7.0						
OD	2.0	5.0	8.0	10.0	12.0	6.0						

The sums of the ranks of the two samples are:

35.00	R_1
43.00	R_2

The U-values are:

22.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
14.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

14.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
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The two sample sizes are:

6, 6	n_1, n_2
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Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (14.0 > 5)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.201	0.172
0.0658	0.0538
0.0269	0.0220
0.132	0.116
0.270	0.229
0.126	0.103
0.193	0.171
0.309	0.250
0.5714; not significantly different	

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -02 Across All PHIs

Raw Data (ppm):

SC	0.2661	0.2071	0.2771	0.2082	0.1605	0.0465						
OD	0.010	0.010	0.0050	0.010	0.0050	0.0050						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	2.0	4.0	1.0	3.0	5.0	6.0						
OD	8.0	8.0	11.0	8.0	11.0	11.0						

The sums of the ranks of the two samples are:

21.00	R ₁
57.00	R ₂

The U-values are:

36.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
0.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

0.0	U _{obs} = the smaller of the two values, U ₁ and U ₂ .
-----	---

The two sample sizes are:

6, 6	n ₁ , n ₂
------	---------------------------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of U_{critical} for different combinations of samples-sizes (n₁ and n₂) and the confidence level (α).

α=0.10	U _{critical}	α=0.05	U _{critical}	α=0.02	U _{critical}
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H₀) of no group difference between the two samples.

Conclusion (at α=0.05):

U_{obs} < U_{critical} (0.0 < 5); reject the null hypothesis

As n₁ and n₂ increase, the sampling distribution of R₁ becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n₁ and n₂ are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.194	0.0075 (<LOQ)
0.0841	0.00274
0.0343	0.00112
0.106	0.00463
0.282	0.0104
0.0465	0.005* (ND)
0.208	0.0075 (<LOQ)
0.277	0.010 (<LOQ)
0.0022; significantly different	

*For statistical calculations, 0.01 ppm was used for residues <LOQ, and 0.005 ppm was used for not detected (ND), i.e. no chromatographic signal at the retention time of the analyte.

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -03 Across All PHIs

Raw Data (ppm):

SC	0.0120	0.0125	0.0156	0.0210	0.0100	0.0100						
OD	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	4.0	3.0	2.0	1.0	8.5	8.5						
OD	8.5	8.5	8.5	8.5	8.5	8.5						

The sums of the ranks of the two samples are:

27.00	R_1
51.00	R_2

The U-values are:

30.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
6.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

6.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
-----	--

The two sample sizes are:

6, 6	n_1, n_2
------	------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} = U_{critical} (6.0 > 5)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.0135	0.010 (<LOQ)
0.00420	0.000
0.00172	0.000
0.00910	0.010
0.0179	0.010
<0.010 (<LOQ)	<0.010 (<LOQ)
0.0123	<0.010 (<LOQ)
0.0210	<0.010 (<LOQ)
0.0606; not significantly different	

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -04 Across All PHIs

Raw Data (ppm):

SC	0.0978	0.0794	0.0100	0.0110	0.0100	0.0100						
OD	0.0361	0.0341	0.0166	0.0100	0.0100	0.0100						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	1.0	2.0	9.5	6.0	9.5	9.5						
OD	3.0	4.0	5.0	9.5	9.5	9.5						

The sums of the ranks of the two samples are:

37.50	R_1
40.50	R_2

The U-values are:

19.5	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
16.5	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

16.5	U_{obs} = the smaller of the two values, U_1 and U_2 .
------	--

The two sample sizes are:

6, 6	n_1, n_2
------	------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (16.5 > 5)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.0364	0.0195
0.0409	0.0124
0.0167	0.00506
-0.00653	0.00646
0.0793	0.0325
<0.010 (<LOQ)	<0.010 (<LOQ)
0.0105	0.0133
0.0978	0.0361
0.8701; not significantly different	

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -05 Across All PHIs

Raw Data (ppm):

SC	0.4660	0.4667	0.2227	0.2526	0.1329	0.1123						
OD	0.3553	0.2936	0.4354	0.2921	0.1986	0.1644						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	2.0	1.0	8.0	7.0	11.0	12.0						
OD	4.0	5.0	3.0	6.0	9.0	10.0						

The sums of the ranks of the two samples are:

41.00	R_1
37.00	R_2

The U-values are:

16.0	$U_1 = n_1n_2 + 0.5(n_1)(n_1 + 1) - R_1$
20.0	$U_2 = n_1n_2 + 0.5(n_2)(n_2 + 1) - R_2$

So the U-value used is:

16.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
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The two sample sizes are:

6, 6	n_1, n_2
------	------------

Type of tail test (1 or 2):

2	2-tailed test.
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Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (16.0 > 5)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.276	0.290
0.157	0.0996
0.0641	0.0406
0.111	0.185
0.440	0.394
0.112	0.164
0.238	0.293
0.467	0.435
0.7879; not significantly different	

Individual Oxathiapiprolin (Parent) Residue Data at Trial Site -06 Across All PHIs

Raw Data (ppm):

SC	0.5840	0.6186	0.4386	0.5796	0.4048	0.6151						
OD	0.5297	0.4389	0.5670	0.3885	0.3963	0.4166						

All the data is put together and ranked. Rank 1 is given to the highest value, 2 to the second highest and so on. If there are any tied values, the rank is calculated by giving them an average of the ranges they would have had. For example, if two items tie for third place, they would have the ranks of 3 and 4, so they are both assigned the range of $(3+4)/2 = 3.5$. These rankings are then re-sorted into the separate samples.

The rank of residue values for each site are:

SC	3.0	1.0	8.0	4.0	10.0	2.0						
OD	6.0	7.0	5.0	12.0	11.0	9.0						

The sums of the ranks of the two samples are:

28.00	R_1
50.00	R_2

The U-values are:

29.0	$U_1 = n_1 n_2 + 0.5 (n_1)(n_1 + 1) - R_1$
7.0	$U_2 = n_1 n_2 + 0.5 (n_2)(n_2 + 1) - R_2$

So the U-value used is:

7.0	U_{obs} = the smaller of the two values, U_1 and U_2 .
-----	--

The two sample sizes are:

6, 6	n_1, n_2
------	------------

Type of tail test (1 or 2):

2	2-tailed test.
---	----------------

Values from tables of $U_{critical}$ for different combinations of samples-sizes (n_1 and n_2) and the confidence level (α).

$\alpha=0.10$	$U_{critical}$	$\alpha=0.05$	$U_{critical}$	$\alpha=0.02$	$U_{critical}$
10%	7	5%	5	2%	3

If $U_{obs} \leq U_{critical}$, then reject the null hypotheses (H_0) of no group difference between the two samples.

Conclusion (at $\alpha=0.05$):

$U_{obs} > U_{critical} (7.0 > 5)$; accept the null hypothesis

As n_1 and n_2 increase, the sampling distribution of R_1 becomes a reasonable approximation of a unit normal distribution. Therefore, U can be transformed to a z-score which will be a standard normal distribution with zero mean and unity variance, along with the corresponding two-tailed probability, the p-value. If p-value is greater than the common alpha value of 0.05, the result is still not significant. Note: The approximation to the normal distribution is best when n_1 and n_2 are both, equal to, or greater than 10.

Mean:

Standard Deviation (SD):

Standard Error of Mean (SEM):

Lower 95% Confidence Interval:

Upper 95% Confidence Interval:

Minimum:

Median (50th percentile)

Maximum:

Two-tailed p-value

SC Formulation (ppm)	OD Formulation (ppm)
0.540	0.456
0.0937	0.0745
0.0382	0.0304
0.442	0.378
0.638	0.534
0.405	0.389
0.582	0.428
0.619	0.567
0.0931; not significantly different	

APPENDIX 4 OECD Tier 1 Summary Tables

Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary)

Active substance (common name): Oxathiapiprolin (DPX-QGU42)							Commercial product (name): Other active substance in the formulation Producer of commercial product:				Unknown None Syngenta DuPont																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Content of active substance (g/kg or g/l): Formulation number/type: 200 g/L A21008A 100 g/L A20941A Suspension Concentrate (SC) Oil Dispersion (OD) Head and Stem Brassica (5A), Representative Crop 010 (VB 0040) / 010 (VB 0042) Broccoli Syngenta Crop Protection, LLC 410 Swing Road Greensboro, NC 27409 United States of America Texas (EPA Region 6)							Study type: Indoor/Glasshouse/Outdoor: Residues calculated as: Residue method and LOQ Max frozen storage time prior to analysis: Study Number: Residue – Decline (Formulation Bridging) Outdoor Parent and Metabolites 0.01 mg/kg 1.1 Months TK0221426																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Country: Trial location - State (Region):							Spray Additives:				Induce (Non-Ionic Surfactant)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Trial Number and Location	Commodity and Variety	Date of 1) Planting 2) Flowering 3) Harvest	Method of Treatment	Application Rate per Treatment		No. of Trts	Dates of Trts	Growth Stage at Trt	Portion Analyzed	Residues (mg/kg)			PHI (days)	Concurrent Recovery Range:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				kg ai/ha	Water (L/ha)					DPX-QGU42	IN-SXS67	IN-RZB20			IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09	(f)	(g)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
TK0221426-01 Uvalde, TX	Broccoli/Marathon	1) 02-Oct-14 Transplant 2) Not Reported 3) 02-Feb-15 05-Feb-15 09-Feb-15	Foliar Broadcast, Backpack Sprayer with Hand Boom	0.0706 0.0706	234 234	2	28-Jan-15 02-Feb-15	47 49	Head/ Floret Head/ Floret Head/ Floret	0.227 0.309	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND

Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary) (continued)

Active substance (common name): Content of active substance (g/kg or g/l): Formulation number/type: EPA Crop Group/Subgroup: Codex Group: Crop: Responsible body for reporting (name & address): Country: Trial location - State (Region):			Oxathiapiprolin (DPX-QGU42) 200 g/L A21008A Suspension Concentrate (SC) Head and Stem Brassica (5A), Representative Crop 010 (VB 0040) / 010 (VB 0042) Broccoli Syngenta Crop Protection, LLC 410 Swing Road Greensboro, NC 27409 United States of America California (EPA Region 10)			Commercial product (name): Other active substance in the formulation Producer of commercial product: Study type: Indoor/Glasshouse/Outdoor: Residues calculated as: Residue method and LOQ Max frozen storage time prior to analysis: Study Number: Spray Additives:			Unknown None Syngenta DuPont Residue – Decline (Formulation Bridging) Outdoor Parent and Metabolites 0.01 mg/kg 3.7 Months TK0221426 Pro COC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TK0221426-02 King City, CA	Broccoli/Marathon	1) 20-Aug-14 Transplant 2) Not Reported 3) 12-Nov-14 14-Nov-14 18-Nov-14	Foliar Broadcast, Backpack Sprayer with Hand Boom	A21008A, Suspension Concentrate Formulation		2	07-Nov-14 12-Nov-14	46-48 49	Head/ Floret	0.266	ND	ND	ND	ND	ND	ND	70-97% DPX-QGU42, 73-102% IN-SXS67, 91-102% IN-E8S72, 85-105% IN-RZB20, 87-103% IN-RZD74, 92-104% IN-WR791, 80-109% IN-RDG40, 76-112% IN-Q7H09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary) (continued)

Active substance (common name):	Oxathiapiprolin (DPX-QGU42)		Commercial product (name):	Unknown
Content of active substance (g/kg or g/l):	200 g/L	100 g/L	Other active substance in the formulation	None
Formulation number/type:	A21008A	A20941A	Producer of commercial product:	Syngenta
EPA Crop Group/Subgroup:	Suspension Concentrate (SC)	Oil Dispersion (OD)		DuPont
Codex Group:	Head and Stem Brassica (5A), Representative Crop			
Crop:	010 (VB 0404) / 010 (VB 0042)			
Responsible body for reporting (name & address):	Cauliflower		Study type:	Residue – Decline (Formulation Bridging)
	Syngenta Crop Protection, LLC		Indoor/Glasshouse/Outdoor:	Outdoor
	410 Swing Road		Residues calculated as:	Parent and Metabolites
	Greensboro, NC 27409		Residue method and LOQ	0.01 mg/kg
Country:	United States of America		Max frozen storage time prior to analysis:	2.6 Months
Trial location - State (Region):	California (EPA Region 10)		Study Number:	TK0221426
			Spray Additives:	Monterey MSO

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Trial Number and Location	Commodity and Variety	Date of 1) Planting 2) Flowering 3) Harvest	Method of Treatment	Application Rate per Treatment		No. of Trts	Dates of Trts	Growth Stage at Trt	Portion Analyzed	Residues (mg/kg)						PHI (days)	Concurrent Recovery Range:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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TK0221426-03 Porterville, CA	(a)	(b)	(c)	A21008A, Suspension Concentrate Formulation		2	18-Dec-14 23-Dec-14	48 48	Head +Stem	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary) (continued)

Active substance (common name):			Oxathiapiprolin (DPX-QGU42)			Commercial product (name):			Unknown																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Formulation number/type:			A21008A			Producer of commercial product:			Syngenta																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
EPA Crop Group/Subgroup:			Suspension Concentrate (SC)			Study type:			Residue – Decline (Formulation Bridging)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Codex Group:			Head and Stem Brassica (5A), Representative Crop			Indoor/Glasshouse/Outdoor:			Outdoor																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Crop:			010 (VB 0404) / 010 (VB 0042)			Residues calculated as:			Parent and Metabolites																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Responsible body for reporting (name & address):			Cauliflower			Residue method and LOQ			0.01 mg/kg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Country:			Syngenta Crop Protection, LLC			Max frozen storage time prior to analysis:			6.7 Months																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Trial location - State (Region):			410 Swing Road			Study Number:			TK0221426																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Oregon (EPA Region 12)			United States of America			Spray Additives:			Preference (Non-Ionic Surfactant)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Trial location - State (Region):			Oregon (EPA Region 12)			Spray Additives:			Preference (Non-Ionic Surfactant)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Trial Number and Location	Commodity and Variety	Date of 1) Planting 2) Flowering 3) Harvest	Method of Treatment	Application Rate per Treatment kg ai/ha Water (L/ha)	No. of Trts	Dates of Trts	Growth Stage at Trt	Portion Analyzed	Residues (mg/kg)			PHI (days)	Concurrent Recovery Range:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
									DPX-QGU42	IN-SXS67	IN-E8S72			IN-RZB20	IN-RZD74	IN-WR791	IN-RDG40	IN-Q7H09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
TK0221426-04 Hillsboro, OR	Cauliflower/Symphony	1) 05-Jun-14 Transplant 2) Not Reported 3) 13-Aug-14 16-Aug-14 20-Aug-14	Foliar Broadcast, Backpack Sprayer with Hand Boom	A21008A, Suspension Concentrate Formulation	2	08-Aug-14 13-Aug-14	43-45 45-47	Head +Stem	0.0978	ND	ND	ND	ND	ND	ND	ND	71-99% DPX-QGU42, 80-97% IN-SXS67, 81-102% IN-E8S72, 78-100% IN-RZB20, 90-100% IN-RZD74, 79-103% IN-WR791, 84-109% IN-RDG40, 89-108% IN-Q7H09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary) (continued)

Active substance (common name):	Oxathiapiprolin (DPX-QGU42)		Commercial product (name):	Unknown
Content of active substance (g/kg or g/l):	200 g/L	100 g/L	Other active substance in the formulation	None
Formulation number/type:	A21008A	A20941A	Producer of commercial product:	Syngenta
EPA Crop Group/Subgroup:	Suspension Concentrate (SC)	Oil Dispersion (OD)		DuPont
Codex Group:	Head and Stem Brassica (5A), Representative Crop			
Crop:	010 (VB 0041)		Study type:	Residue – Decline (Formulation Bridging)
Responsible body for reporting	Cabbage		Indoor/Glasshouse/Outdoor:	Outdoor
(name & address):	Syngenta Crop Protection, LLC		Residues calculated as:	Parent and Metabolites
	410 Swing Road		Residue method and LOQ	0.01 mg/kg
Country:	Greensboro, NC 27409		Max frozen storage time prior to analysis:	6.5 Months
Trial location - State (Region):	United States of America		Study Number:	TK0221426
	New York (EPA Region 1)		Spray Additives:	COC

1	2	3	4	5		6	7	8	9						10	11										
Trial Number and Location	Commodity and Variety	Date of 1) Planting 2) Flowering 3) Harvest	Method of Treatment	Application Rate per Treatment		No. of Trts	Dates of Trts	Growth Stage at Trt	Portion Analyzed	Residues (mg/kg)						PHI (days)	Concurrent Recovery Range:									
				kg ai/ha	Water (L/ha)					DPX-QGU42	IN-SXS67	IN-E8S72	IN-RZB20	IN-RZD74	IN-WR791			IN-RDG40	IN-Q7H09							
TK0221426-05 Alton, NY	Cabbage/Farao	(b)	(c)	A21008A, Suspension Concentrate Formulation		2	08-Aug-14 13-Aug-14	48 49	Head/ Leaves	ND	ND	ND	ND	ND	ND	ND	ND	ND	80-105% DPX-QGU42, 90-102% IN-SXS67, 79-104% IN-E8S72, 80-103% IN-RZB20, 92-106% IN-RZD74, 88-102% IN-WR791, 80-113% IN-RDG40, 95-115% IN-Q7H09							
				0.0712	281					0.466	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND			
				0.0712	281					0.467	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND		
										0.223	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
										0.253	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.133	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.112	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
				A20941A, Oil Dispersion Formulation																						
				0.0697	281					0.355	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
				0.0697	281					0.294	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.435	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.292	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.199	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
										0.164	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
(a)	According to EEC and Codex classifications (both) should be used.							(e)	BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4																	
(b)	Only if relevant.							(f)	Minimum number of days after last application (label pre-harvest interval, PHI, underline)																	
(c)	High or low volume spraying, spreading, dusting etc., overall, broadcast, -type of equipment must be indicated.							(g)	Remarks may include: climatic conditions, references to analytical method, info concerning the metabolites included, method of storage, storage stability, analysis date and analytical method.																	

Trt(s) = treatment(s); LOQ = limit of quantification, 0.01 ppm; ND = not detected, no chromatographic signal at the retention time of the analyte.

Residue Data from Supervised Agricultural Crop Trials (OECD/FAO Summary) (continued)

Active substance (common name): Oxathiapiprolin (DPX-QGU42)				Commercial product (name): Other active substance in the formulation Producer of commercial product:				Unknown None Syngenta DuPont									
Content of active substance (g/kg or g/l): Formulation number/type: 200 g/L A21008A Suspension Concentrate (SC) Oil Dispersion (OD) Head and Stem Brassica (5A), Representative Crop 010 (VB 0041) Cabbage Syngenta Crop Protection, LLC 410 Swing Road Greensboro, NC 27409 United States of America California (EPA Region 10)				Study type: Indoor/Glasshouse/Outdoor: Residues calculated as: Residue method and LOQ Max frozen storage time prior to analysis: Study Number:				Residue – Decline (Formulation Bridging) Outdoor Parent and Metabolites 0.01 mg/kg 3.2 Months TK0221426									
Country: Trial location - State (Region):				Spray Additives:				Monterey MSO									
1	2	3	4	5	6	7	8	9				10	11				
Trial Number and Location	Commodity and Variety	Date of 1) Planting 2) Flowering 3) Harvest	Method of Treatment	Application Rate per Treatment	No. of Trts	Dates of Trts	Growth Stage at Trt	Portion Analyzed	Residues (mg/kg)				PHI (days)	Concurrent Recovery Range:			
									DPX-QGU42	IN-SXS67	IN-RZB20	IN-RZD74			IN-WR791	IN-RDG40	IN-Q7H09
TK0221426-06 Porterville, CA	Cabbage/Supreme Vantage	1) 02-Sep-14 Transplant 2) Not Reported 3) 05-Dec-14 08-Dec-14 12-Dec-14	Foliar Broadcast, Backpack Sprayer with Hand Boom	A21008A, Suspension Concentrate Formulation		2	01-Dec-14 05-Dec-14	47 48	Head/Leaves	0.584 0.619 0.439 0.580 0.405 0.615	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	80-105% DPX-QGU42, 90-102% IN-SXS67, 79-104% IN-E8S72, 80-103% IN-RZB20, 92-106% IN-RZD74, 88-102% IN-WR791, 80-113% IN-RDG40, 95-115% IN-Q7H09		
				A20941A, Oil Dispersion Formulation					Head/Leaves	0.530 0.439	ND ND	ND ND	ND ND	ND ND			
									Head/Leaves	0.567 0.388	ND ND	ND ND	ND ND	ND ND		ND ND	
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND
									Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND						
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND						
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
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		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
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		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
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		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves	0.396 0.417	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND					
		Head/Leaves															

Trt(s) = treatment(s); LOQ = limit of quantification, 0.01 ppm; ND = not detected, no chromatographic signal at the retention time of the analyte.