



### **16.1.9.3 BIOANALYTICAL REPORTS**

Determination of Total 4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine Samples by LC-MS/MS (Study AA99071-09)



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**Determination of Total 4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine Samples from “A Randomized, Controlled, Open-label, 3-Arm Parallel Group, Single-Center Study to Demonstrate Reductions in Exposure to Selected Smoke Constituents in Smoking, Healthy Subjects Switching to the Tobacco Heating System 2.2 (THS 2.2) or Smoking Abstinence, Compared to Continuing to Use Conventional Cigarettes, for 5 Days in Confinement” by LC-MS/MS**

Study: AA99071-09

Bioanalytical Final Report

Philip Morris Products S.A.  
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Protocol ZRHR-REXC-03-EU

Report Date: 12-Mar-2015

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

## STUDY LOCATION

### TEST FACILITY

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**APPROVAL SIGNATURES**

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**Celerion:**

Bioanalytical Principal Investigator

Kirk Newland, B.S.  
Technical Director, Tobacco Sciences

12-Mar-2015

Date

Management

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12-Mar-2015

Date



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## STATEMENT OF COMPLIANCE

The bioanalytical phase of the study was performed according to applicable GLP requirements and in compliance with Standard Operating Procedures (SOPs) in effect in the bioanalytical laboratory of Celerion, Lincoln, Nebraska. The SOPs are written based on the principles and requirements described in United States Food and Drug Administration Title 21 Code of Federal Regulations (CFR) Part 58, the Guidance for Industry – Bioanalytical Method Validation (CDER, May 2001), and Guideline on Bioanalytical Method Validation (European Medicines Agency [EMA/CHMP/EWP/192217/2009], Effective February 2012).

This production study was conducted in accordance with the guidelines documented in the bioanalytical study plan. To ensure the integrity of the reported data, the bioanalytical laboratory verified all results. The Quality Assurance unit of Celerion, Lincoln, Nebraska, audited the study. A Quality Assurance statement was then issued and is included within this document.

The data summaries, results, and conclusions in this bioanalytical report have been reviewed and were found to be consistent and scientifically rational. All deviations from the protocol and/or significant deviations from SOPs documented in this report have been reviewed and are scientifically valid.

I accept responsibility for the scientific integrity of the data included within this bioanalytical report.

Kirk Newland, B.S.  
Technical Director, Tobacco Sciences

12-Mar-2015

Date



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**QUALITY ASSURANCE STATEMENT**

Phase Audited	Audit Date(s)	Date Reported to Study Director/ Bioanalytical Principal Investigator	Date Audit Report Signed by Management
Bioanalytical Study Plan	25-Jun-2013	25-Jun-2013	24-Jul-2013
Bioanalytical Study Plan Amendment No. 1	04-Feb-2014	04-Feb-2014	06-Feb-2014
Bioanalytical Study Plan Amendment No. 2	24-Feb-2014	25-Feb-2014	25-Feb-2014
Critical Phase Inspection	18, 21-Feb-2014	21-Feb-2014	24-Feb-2014
Database	10, 12, 17-Mar-2014	17-Mar-2014	28-Mar-2014
Bioanalytical Report (Final Draft)	06-Aug-2014	06-Aug-2014	07-Aug-2014
Bioanalytical Report (Final)	11-Mar-2015	11-Mar-2015	11-Mar-2015

Celerion Quality Assurance audited various phases of this study as shown above. This statement confirms that the methods, procedures, and results as presented in this report accurately reflect the raw data of the study.

Amy Sherwood, A.A.S.  
Quality Assurance Auditor

Date





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## 1. INTRODUCTION

The purpose of this bioanalytical study (hereafter referred to as study) was to determine the concentration of total 4-aminobiphenyl (4-ABP), *o*-toluidine (*o*-tol), 2-aminonaphthalene (2-naphthylamine or 2-NA), and 1-aminonaphthalene (1-naphthylamine or 1-NA) in human urine samples by LC-MS/MS method. The study samples were collected in the clinical study ZRHR-REXC-03-EU, entitled, "A Randomized, Controlled, Open-label, 3-Arm Parallel Group, Single-Center Study to Demonstrate Reductions in Exposure to Selected Smoke Constituents in Smoking, Healthy Subjects Switching to the Tobacco Heating System 2.2 (THS 2.2) or Smoking Abstinence, Compared to Continuing to Use Conventional Cigarettes, for 5 Days in Confinement" [3]. Sample analysis was conducted between 14-Feb-2014 and 14-Mar-2014.

This report provides the results and supporting documentation from the analysis of study samples and includes an evaluation of assay performance.

## 2. EXPERIMENTAL

### 2.1. Test Item

The test items are defined in the clinical study protocol [3].

### 2.2. Reference Items and Internal Standards

	Analyte	Internal Standard (IS)
ID	4-Aminobiphenyl	[ <sup>13</sup> C <sub>6</sub> ]4-Aminobiphenyl
Source	(b) (4)	(b) (4)
Lot No.	C8-127-098	C8-127-097
Potency	99.8%	98.9%
Celerion Assigned Correction Factor	0.9980	0.9890
Expiry Date	27-Jul-2014	27-Jul-2014
Storage Conditions	Freezer (-20 C), protected from light, desiccant	Freezer (-20 C), protected from light, desiccant



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	Analyte	Internal Standard (IS)
ID	<i>o</i> -Toluidine Hydrochloride	[ <sup>13</sup> C <sub>6</sub> ] <i>o</i> -Toluidine Hydrochloride
Source	(b) (4)	(b) (4)
Lot No.	C9-129-018	C5-128-131
Potency	74.3%	74.0%
Celerion Assigned Correction Factor	0.7430	0.7400
Expiry Date	27-Jul-2014	23-Feb-2015
Storage Conditions	Freezer (-20 C), protected from light, desiccant	Freezer (-20 C), protected from light, desiccant

	Analyte	Internal Standard (IS)
ID	2-Naphthylamine HCl	2-Naphthylamine- <sup>13</sup> C <sub>4</sub> HCl
Source	(b) (4)	(b) (4)
Lot No.	C5-128-133	C5-128-142
Potency	79.3%	80.1%
Celerion Assigned Correction Factor	0.7930	0.8010
Expiry Date	06-Aug-2014	27-Feb-2015
Storage Conditions	Freezer (-20 C), protected from light, desiccant	Freezer (-20 C), protected from light, desiccant

	Analyte	Internal Standard (IS)
ID	1-Naphthylamine Hydrochloride	1-Naphthylamine- <sup>13</sup> C <sub>10</sub> Hydrochloride
Source	(b) (4)	(b) (4)
Lot No.	C9-129-019	C5-128-200
Potency <sup>a</sup>	79.5%	77.3%
Celerion Assigned Correction Factor	0.7950	0.7730
Expiry Date	28-Jul-2014	27-Feb-2015
Storage Conditions	Freezer (-20 C), protected from light, desiccant	Freezer (-20 C), protected from light, desiccant

The certificate(s) of analysis for the reference items and internal standards are presented in [Attachment 6](#).





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Reference items and internal standards are retained under the conditions that are specified until they become expired. They will then be removed from the active library or stored for an additional period for the testing of long-term stability.

### 2.3. Biological Matrix

Human urine was purchased from Bioreclamation in Westbury, New York and collected in-house at Celerion in Lincoln, Nebraska. Human urine stored at -20°C may be stored for a period of less than 24 months prior to use. Human urine, free of significant interference, was used to prepare quality control (QC) samples. An aqueous bovine serum albumin solution (0.1% BSA) was used to prepare calibration standards and used as control matrix.

### 2.4. Test System

#### 2.4.1. Procedure and Instruments

Procedure and Instrumentation	
Extraction Method	Liquid-liquid extraction
Chromatography System	Waters ACQUITY UPLC® Binary Solvent Manager <sup>^</sup>
MS/MS System	AB SCIEX API 4000™ <sup>^</sup>
Regression Type	Linear (1/concentration) for 4-aminobiphenyl Linear (1/concentration <sup>2</sup> ) for <i>o</i> -toluidine, 2-aminonaphthalene, and 1-aminonaphthalene
Quantitation Method	Peak Area Ratio
Assay Volume	2.00 mL

<sup>^</sup> = Qualified systems

#### 2.4.2. Computer Application Software

Software	
LC-MS/MS software	Applied Biosystems Analyst® 1.5.1 <sup>^</sup>
LIMS	Thermo Electron Corporation Watson™ 7.3 Bioanalytical LIMS 7.3 <sup>^</sup>
LIMS application	Inspector Version 1.1.1 <sup>^</sup>
Laboratory Documentation System	Labnotes™ Web Client 1.21 <sup>^</sup>
Office applications	Microsoft® Office 2007 Package

<sup>^</sup> = Validated systems



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## 2.5. Calibration Standards, Quality Control Samples and Dilution Quality Control Samples

Non-zero calibration standards were prepared fresh daily at the concentration levels of 1.50, 2.25, 3.75, 7.50, 15.0, 30.0, 63.0, and 75.0 pg/mL of 4-aminobiphenyl, 50.0, 100, 150, 200, 400, 600, 840, and 1000 pg/mL of *o*-toluidine, and 2.50, 4.00, 10.0, 32.0, 100, 250, 425, and 500 pg/mL of 2-aminonaphthalene and 1-aminonaphthalene from calibration spiking standards which were prepared in bulk on 29-Jan-2014, 20-Feb-2014, and 28-Feb-2014, aliquoted and stored at -20°C for a period less than 66 days. The calibrations standard spiking solutions were prepared at x40 concentrations. To achieve the required standard concentration, 0.0500 mL of standard spiking solution is added to 2.00 mL of 0.1% BSA to yield the urine standard concentration.

Quality control (QC A and QC C) samples at the concentration levels of 3.35 pg/mL (low basal level) and 15.4 pg/mL (high basal level) of 4-aminobiphenyl, 113 pg/mL (low basal level) and 593 pg/mL (high basal level) of *o*-toluidine, 3.87 pg/mL (low basal level) and 26.5 pg/mL (high basal level) of 2-aminonaphthalene, and 6.05 pg/mL (low basal level) and 57.6 pg/mL (high basal level) of 1-aminonaphthalene were prepared in bulk on 27-Dec-2013, aliquoted and stored at -20°C. QC samples were stored under the same conditions as the study samples were stored. Quality control (QC B and QC D) samples were prepared fresh daily at the concentration levels of 5.60 pg/mL (2.25 pg/mL + low basal level) and 59.4 pg/mL (44.0 pg/mL + high basal level) of 4-aminobiphenyl, 213 pg/mL (100 pg/mL + low basal level) and 830 pg/mL (237 pg/mL + high basal level) of *o*-toluidine, 7.87 pg/mL (4.00 pg/mL + low basal level) and 396 pg/mL (369 pg/mL + high basal level) of 2-aminonaphthalene, and 10.1 pg/mL (4.05 pg/mL + low basal level) and 398 pg/mL (340 pg/mL + high basal level) of 1-aminonaphthalene from quality control spiking solutions which were prepared in bulk on 28-Jan-2014, aliquoted in brown polypropylene tubes and stored at -20°C. The quality control samples were analyzed within their established stability period of 185 days.

Standard calibrators and quality control samples were prepared from separate stock solutions.

## 2.6. Study Samples

### 2.6.1. Sample Source and Date of Receipt

Study samples were collected between 11-Jul-2013 and 18-Sep-2013 and were received frozen on dry ice between 22-Jul-2013 and 18-Oct-2013 from Covance Central Laboratory Services, Meyrin, Switzerland and Indianapolis, Indiana, USA.

### 2.6.2. Sample Identification

Study samples were identified based on the subject screening number and time point documented on the sample label.



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### 2.6.3. Sample Storage and Stability

Study samples were stored from sample collection in brown polypropylene tubes to the end of sample analysis at a nominal temperature of -20°C for a duration not exceeding 247 days.

Study samples were analyzed without exceeding short-term, freeze-thaw, or post-preparative stability. The following evaluations have been conducted:

Stability Summary [5]	
Long-term Stability	at least 185 days in brown polypropylene tubes at -20 C
Short-term Stability	24 hours in brown polypropylene tubes at ambient temperature under UV-shielded light
Cumulative Short-term Stability	54 hours in brown polypropylene tubes at ambient temperature under UV-shielded light (total of all thaw cycles)
Freeze-thaw Stability	6 freeze (-20 C)-thaw (ambient temperature) cycles in brown polypropylene tubes under UV-shielded light
Post-preparative Stability	337 hours in a polypropylene 96 well plate at 5 C
Processed Sample Integrity	101 hours in a polypropylene 96 well plate at 5 C
Sample Shipping Stability	7 days in polypropylene tubes at -80 C

An extended long-term stability evaluation, which covers the period from sample collection to the end of sample analysis will be performed and reported in an amendment to the Validation Report. A copy of the amendment will be provided to the Sponsor.

### 2.6.4. Sample Summary

The Sponsor's protocol specifies 160 subjects with 7 sampling times for the 24-hour urine collections [3]. In study AA99071, a single subject discontinued from the clinical phase after randomization. The samples from this subject were analyzed and the results reported. Additional information regarding the subject discontinuance is provided in Section 8.5.

	No. of Samples
Specified in protocol/received	1120/1135
Analysis not required (subject discontinued from enrollment)	18
Duplicates received	1135
Total number of study samples analyzed	1117

Following analysis, the study samples were kept frozen at -20°C. After submission of the final bioanalytical report the study samples will be further stored under the same conditions for up to 1 month on-site. Then, upon agreement with the Sponsor, the study samples will be destroyed after the completion of the clinical study report and Sponsor notification.





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### 3. SAMPLE ANALYSIS

#### 3.1. Analytical Method

The determination of 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene in human urine samples was carried out over a calibration range of 1.50 pg/mL to 75.0 pg/mL (4-aminobiphenyl), 50.0 pg/mL to 1000 pg/mL (*o*-toluidine), and 2.50 pg/mL to 500 pg/mL (2-aminonaphthalene and 1-aminonaphthalene). The analytical procedure was performed at Celerion, Lincoln, Nebraska and is documented in the Method Validation Report for Celerion Study ZZ37540-01 [5]. The analytical method is documented in BAM SOP ZZ37540-01 [6]. See Attachment 7.

An aliquot of human urine containing the analyte and internal standard was extracted using a liquid-liquid extraction procedure. The extracted samples were analyzed by an HPLC equipped with an AB SCIEX API 4000™ triple quadrupole mass spectrometer using an ESI source. Positive ions were monitored in the multiple reaction monitoring (MRM) mode. Quantitation was determined using a weighted linear regression analysis ( $1/\text{concentration}$  for 4-aminobiphenyl and  $1/\text{concentration}^2$  for *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene) of peak area ratios of the analyte and internal standard.

Though listed as a standard, the control blank sample with internal standard (Standard A) was not used to plot the calibration curve.

#### 3.2. Acceptance Criteria

##### 3.2.1. Analytical Run Acceptance Criteria

An analytical run is acceptable if all of the following criteria are met:

- at least 75% of the non-zero calibration standards were within  $\pm 15.0\%$  ( $\pm 20.0\%$  for the lower limit of quantification (LLOQ) calibration standard) of their nominal concentration,
- at least two-thirds of the QC samples and at least 50% at each concentration level were within  $\pm 15.0\%$  of their nominal concentration,
- at least 50% of the standard zero samples are free of interference at the retention time of the analyte(s) of interest,
- at least 50% of the blank samples are free of interference both at the retention time of the analyte(s) of interest and at the retention time of the IS,
- at least two-thirds of all blank and standard zero samples fulfilled the above described interference criteria.

Interference at the retention time of the analyte of interest is defined as a response greater than 20% of the mean analyte response of the LLOQ calibration standard(s).



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Interference at the retention time of the IS is defined as a response greater than 5% of the mean IS response of the LLOQ calibration standard(s).

Individual data of QC samples that were out of their acceptance criteria are flagged appropriately in the study file and in the bioanalytical report. QCs will be excluded from statistics only for analytical reasons (see [Attachment 5](#)).

### 3.2.2. Acceptance Criteria for System Suitability Testing

The system suitability testing performed with each analytical run is designed to assess the sensitivity, reproducibility of response (absence of response drift based on interpolated concentrations), and carry-over.

- Sensitivity assessed at the start and end of each analytical run is performed by evaluating the signal-to-noise ratio (SNR) of extracted system suitability samples spiked at the lower limit of quantitation. The SNR must be greater than 5:1 unless otherwise specified in the method.
- System stability (reproducibility of response) is performed by replicate injections at the start (5) and the end (2) of the analytical run with pooled high concentration system suitability samples. The percent coefficient of variation (% CV) of the calculated concentration must be less than or equal to 6%. The mean of the calculated concentration of the last 2 replicates or middle replicates (if applicable) of high concentration system suitability samples must be within 15% difference of the mean of the calculated concentration of the first 5 high concentration system suitability samples.
- The carryover percentage is assessed at the beginning and end of each analytical run. This test is performed by injecting a blank (reconstitution solution) sample immediately after a high concentration system suitability sample. The area counts of the analyte in the blank injection are divided by the analyte area counts in the high concentration system suitability sample and the result is multiplied by 100.

$$\% \text{ carryover} = \left( \frac{\text{area (blank sample)}}{\text{area (high sys suit)}} \right) * 100$$

Analyte	Carryover criteria (needs to be less than)
4-Aminobiphenyl	0.4 %
o-toluidine	1.0 %
2-Aminonaphthalene	0.1 %
1-Aminonaphthalene	0.1 %

### 3.2.3. Acceptance Criteria for ISR

The % difference was calculated for each pair of original and repeat analyses as follows:

$$\% \text{ difference} = 100 * \frac{|(\text{repeat value} - \text{original value})|}{(\text{repeat value} + \text{original value}) / 2}$$





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If the % difference was less than or equal to 20%, a pair of results was considered a passing match. Any pair with a % difference of more than 67% (indicating that the repeat value is either less than half or more than twice the original concentration) was considered an event and was investigated. The analytical method will be considered reproducible if at least 67% of the result pairs match. If less than 67% of the pairs match, an event investigation was initiated.

#### 4. RESULTS

Due to rounding procedures, recalculations using the results presented in this report may differ slightly from the reported statistics.

A summary of analytical runs performed is presented in [Table 1](#).

##### 4.1. Quality Control Sample Performance

Between-analytical run precision and accuracy results for QC samples prepared at 3.35, 5.60, 15.4, and 59.4 pg/mL for 4-aminobiphenyl, 113, 213, 593, and 830 pg/mL for *o*-toluidine, 3.87, 7.87, 26.5, and 396 pg/mL for 2-aminonaphthalene, and 6.05, 10.1, 57.6, and 398 pg/mL for 1-aminonaphthalene are summarized in [Table 2](#), [Table 3](#), [Table 4](#), and [Table 5](#), respectively.

##### 4.2. Calibration Standard Performance

Back-calculated calibration curve standard concentrations are provided in [Table 6](#), [Table 7](#), [Table 8](#), and [Table 9](#) for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene, respectively.

##### 4.3. Standard Curve Parameters

Standard curve parameters from 20, 19, 20, and 17 successful analytical runs are provided in [Table 10](#), [Table 11](#), [Table 12](#), and [Table 13](#) for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene, respectively. A representative calibration curve is illustrated in [Figure 1](#), [Figure 2](#), [Figure 3](#), and [Figure 4](#) for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene, respectively.

##### 4.4. Study Sample Concentrations

Study sample concentrations are provided in [Table 14](#), [Table 15](#), [Table 16](#), and [Table 17](#) for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene, respectively. The column "Split" refers to the "for analysis" or "back-up" sample collected.

Study samples, if any, with no significant peak at the mass transition and retention time of 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene, respectively, or with peak area ratios below that of the LLOQ standard, are reported as being below the limit of quantitation (BLQ).



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#### 4.5. Reassays

##### 4.5.1. Reassays for Analytical Reasons

Study samples needing re-analysis according to [section 3.2.1](#) for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene are identified in [Table 18](#), [Table 19](#), [Table 20](#), and [Table 21](#), respectively.

##### 4.5.2. Reassays for Non-analytical Reasons (Value Requiring Confirmation, VRC)

There were no study samples that were reassayed due to non-analytical reasons.

##### 4.5.3. Sponsor Selected Reassays

There were no Sponsor selected reassays.

##### 4.5.4. Incurred Sample Reproducibility

The method for the determination of 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene was considered reproducible, 99.3% out of 139 repeat analyses for 4-aminobiphenyl, 100% out of 139 repeat analyses for *o*-toluidine, 100% out of 139 repeat analyses for 2-aminonaphthalene, and 100% out of 133 repeat analyses for 1-aminonaphthalene met acceptance criteria as defined in [section 3.2.3](#). Results are presented in [Table 22](#), [Table 23](#), [Table 24](#), and [Table 25](#).

#### 5. CHROMATOGRAMS

Representative chromatograms are provided in [Attachment 8](#).

#### 6. DEVIATIONS

**6.1.** Deviation DEV-LNK-14-0101 from LNK SOP.0023\_v1, Section 2, occurred in which after reviewing 100% of the validation results, approval was provided to bioanalytical operations to initiate clinical sample analysis prior to the signature of the BAM SOP document. It was confirmed that the templates documented in Labnotes fully matched the BAM SOP. The analysts performing the analysis reviewed the BAM procedure to ensure the assay was appropriately followed until the signature of the BAM SOP was completed. The reason for the deviation was to allow analysis to begin a few days earlier to meet timeline commitments to the Sponsor. If for some reason a significant issue was identified during the QA review of the validation study, the analysis of the clinical samples would have been halted until the issue was resolved. No impact was expected for this deviation as the BAM procedure was to be read and followed.

**6.2.** Deviation DEV-LNK-14-0309 from AA99071-09 BSP Amendment 2, occurred in which two replicates of the Standard E (STD E) were on Analytical Run 5. One replicate was labeled as STD E and the second was labeled as STD E Old. Both replicates were used in the regression. The additional STD E was within the established stability for the spiking solution. A new





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preparation of the STD E was made due to apparent bias observed for the 1 and 2 aminonaphthalene. No significant bias had been previously observed for o-toluidine or 4-aminobiphenyl. The BSP document indicated that a single standard set would be used to establish the calibration curve. In this case the additional STD E which was incorporated within the batch as a bridging test was kept within the calibration curve. An evaluation of the results without the inclusion of the additional standard E has no impact on the acceptability of the analytical run. All clinical sample results reported from Analytical Run 5 had no significant change in measured concentration due to the inclusion of the additional standard E sample. In addition, ISR testing from analytical run 5 was successful (93% or 14 out of 15 met acceptance). There was no further impact from the deviation.

## 7. EVENTS

7.1. Event Observation EO-LNK-AA99071-09-14-0111 was initiated due to control blank sample #111 on Analytical Run 7 having a large internal standard peak. The peak size was similar to samples that knowingly had an internal standard spiked into the sample. The suspected cause was that the analyst spiked internal standard into well #111 (control blank). There was no impact, as the second control blank replicate did not contain internal standard peaks and the analytical run was accepted for all analytes.

## 8. ANALYTICAL NOTES

8.1. The following analytical runs were not included in the data set.

<u>Run ID</u>	<u>Analyte</u>	<u>Reason for Non-inclusion</u>
1	1AM	Analytical Run 1 was reassayed as Analytical Run 15 due to 2 of 2 QC As not meeting acceptance.
5	1AM, 2AM	Analytical Run 2 was reassayed as Analytical Run 16 due to standards and QCs not meeting acceptance.
9	OTO	Analytical Run 9 was reassayed as Analytical Run 17 due to 2 of 2 QC Cs and Ds not meeting acceptance.
11	OTO	Analytical Run 11 was reassayed as Analytical Run 19 due to 2 of 2 QC Cs and Ds not meeting acceptance.
19	1AM	Analytical Run 19 was reassayed as reassays on Analytical Run 21 due to 2 of 2 QC As not meeting acceptance.
20	1AM, OTO	Analytical Run 20 was reassayed as Analytical Run 23 due to standards and QCs not meeting acceptance.



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8.2. The following analytical run was not included in the data set due to instrumentation issues. The issues were resolved, and the analytical run reinjected.

<u>Run ID</u>	<u>Analyte</u>	<u>Reason for Non-inclusion</u>
18	1AM, 2AM, OTO, 4AB	Analytical Run 18 was reinjected as Analytical Run 22 due to an equipment failure.

8.3. Analytical Run 16 consisted of reassays for 1-aminonaphthalene, 2-aminonaphthalene, and *o*-toluidine only. The analytical run was not regressed for 4-aminobiphenyl. Analytical Run 17 consisted of reassays for *o*-toluidine only. The analytical run was not regressed for 1-aminonaphthalene, 2-aminonaphthalene, and 4-aminobiphenyl.

8.4. When a sample was reassayed for only one compound and the reassay result for the other compound was not needed, the unneeded reassay result was deactivated as "Not Used" and was not reported.

8.5 During the course of analysis of study AA99077 (ZRHR-REXC-04-JP), it was determined that incomplete documentation of subject consent for further analysis of bioanalytical samples after subject discontinuation existed. A review of the possible impacted studies included ZRHR-REXC-03-EU (AA99071). One subject, 0083, discontinued from the clinical phase post-randomization. Consent for analysis was later confirmed by the Principal Investigator. The results from subject 0083 were included with the final deliverables for this study.

## 9. ARCHIVES

At a minimum the following records will be retained:

- Study Plan Bioanalysis (and all amendments, if applicable)
- Raw data
- Study related correspondence
- Bioanalytical report (and all amendments, if applicable)

These documents will be kept in the archives of Celerion for at least ten (10) years, taken from the date of Bioanalytical Principal Investigator's signature on the final bioanalytical report. After this time the Sponsor will be contacted to decide if the records should be retained for a further defined time at Celerion, returned to the Sponsor, or disposed of. Study data and documentation are archived at the Celerion Lincoln facility for 90 days, after which the records may be transferred to:

Iron Mountain  
1601 Leavenworth  
Omaha, Nebraska 68102





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## 10. CONCLUSION

In this bioanalytical study the concentration was determined in a total of 1117 samples for 4-aminobiphenyl, *o*-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene in human urine samples collected in the Philip Morris International Research and Development clinical study ZRHR-REXC-03-EU using a validated LC-MS/MS method.

The overall performance of the LC-MS/MS method met acceptance criteria and the results obtained were of the required integrity and quality. These data can be used for further interpretation.

## 11. REFERENCES

- [1] Guidance for Industry – Bioanalytical Method Validation: US Department of Health and Human Services Food and Drug Administration Center for Drug Evaluation and Research (CDER), Center for Veterinary Medicine (CVM) May 2001
- [2] OECD Principles on Good Laboratory Practice (as revised in 1997), ENV/MC/CHEM(98)17, OECD Series on Principles of Good Laboratory Practice and Compliance Monitoring, No. 1, OECD Publishing, Paris, France (2003).
- [3] Protocol ZRHR-REXC-03-EU: “A Randomized, Controlled, Open-label, 3-Arm Parallel Group, Single-Center Study to Demonstrate Reductions in Exposure to Selected Smoke Constituents in Smoking, Healthy Subjects Switching to the Tobacco Heating System 2.2 (THS 2.2) or Smoking Abstinence, Compared to Continuing to Use Conventional Cigarettes, for 5 Days in Confinement”
- [4] Study Plan Bioanalysis: Determination of Total 4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine Samples from “A Randomized, Controlled, Open-label, 3-Arm Parallel Group, Single-Center Study to Demonstrate Reductions in Exposure to Selected Smoke Constituents in Smoking, Healthy Subjects Switching to the Tobacco Heating System 2.2 (THS 2.2) or Smoking Abstinence, Compared to Continuing to Use Conventional Cigarettes, for 5 Days in Confinement” by LC-MS/MS, Celerion Study AA99071-09
- [5] Validation of an LC-MS/MS Method for the Determination of 4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine, Celerion Study ZZ37540-01
- [6] Bioanalytical Method SOP for the Determination of 4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine, Celerion Study ZZ37540-01





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**RESULT TABLES**

Table 1 Summary of Analytical Runs Performed

Analyte Name	Run ID	Regression Status	Extraction Date	Assay Date	Description	Comment
4-ABP	1	Accepted	14-Feb-2014	15-Feb-2014	SUBS 0001-0021 PD 1	OK
4-ABP	2	Accepted	17-Feb-2014	18-Feb-2014	SUBS 0022-0039 PD 1	OK
4-ABP	3	Accepted	18-Feb-2014	19-Feb-2014	SUBS 0042-0064 PD 1	OK
4-ABP	4	Accepted	19-Feb-2014	20-Feb-2014	SUBS 0066-0088 PD 1	OK
4-ABP	5	Accepted	20-Feb-2014	21-Feb-2014	SUBS 0090-0121 PD 1	OK
4-ABP	6	Accepted	22-Feb-2014	23-Feb-2014	SUBS 0122-0139 PD 1	OK
4-ABP	7	Accepted	23-Feb-2014	24-Feb-2014	SUBS 0140-0162 PD 1	OK
4-ABP	8	Accepted	24-Feb-2014	25-Feb-2014	SUBS 0167-0192 PD 1	OK
4-ABP	9	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0193-0216 PD 1	OK
4-ABP	10	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0218-0249 PD 1	OK
4-ABP	11	Accepted	28-Feb-2014	01-Mar-2014	SUBS 0251-0277 PD 1	OK
4-ABP	12	Accepted	02-Mar-2014	03-Mar-2014	SUBS 0278-0298 PD 1 + REASSAYS	OK
4-ABP	13	Accepted	03-Mar-2014	04-Mar-2014	SUBS 0300-0321 PD 1 + REASSAYS	OK
4-ABP	14	Accepted	21-Feb-2014	22-Feb-2014	SUBS 0322-0328 PD 1 + ISRs	OK
4-ABP	15	Accepted	03-Mar-2014	04-Mar-2014	RR of BATCH 1 (1-amino) + REASSAYS	OK
4-ABP	18	Rejected	06-Mar-2014	07-Mar-2014	REASSAYS	equipment failure
4-ABP	19	Accepted	06-Mar-2014	07-Mar-2014	RR of BATCH 11 (SUBS 0251-0277 PD 1)	OK
4-ABP	20	Accepted	10-Mar-2014	11-Mar-2014	REASSAYS + ISRs	OK
4-ABP	21	Accepted	10-Mar-2014	11-Mar-2014	ISRs + REASSAYS	OK
4-ABP	22	Accepted	06-Mar-2014	10-Mar-2014	RI 018 REASSAYS	OK
4-ABP	23	Accepted	13-Mar-2014	14-Mar-2014	RR of BATCH 20 (REASSAYS + ISRs) split 2s	OK
o-toluidine	1	Accepted	14-Feb-2014	15-Feb-2014	SUBS 0001-0021 PD 1	OK
o-toluidine	2	Accepted	17-Feb-2014	18-Feb-2014	SUBS 0022-0039 PD 1	OK
o-toluidine	3	Accepted	18-Feb-2014	19-Feb-2014	SUBS 0042-0064 PD 1	OK



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Analyte Name	Run ID	Regression Status	Extraction Date	Assay Date	Description	Comment
o-toluidine	4	Accepted	19-Feb-2014	20-Feb-2014	SUBS 0066-0088 PD 1	OK
o-toluidine	5	Accepted	20-Feb-2014	21-Feb-2014	SUBS 0090-0121 PD 1	OK
o-toluidine	6	Accepted	22-Feb-2014	23-Feb-2014	SUBS 0122-0139 PD 1	OK
o-toluidine	7	Accepted	23-Feb-2014	24-Feb-2014	SUBS 0140-0162 PD 1	OK
o-toluidine	8	Accepted	24-Feb-2014	25-Feb-2014	SUBS 0167-0192 PD 1	OK
o-toluidine	9	Rejected	25-Feb-2014	26-Feb-2014	SUBS 0193-0216 PD 1	std/qc fail acceptance
o-toluidine	10	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0218-0249 PD 1	OK
o-toluidine	11	Rejected	28-Feb-2014	01-Mar-2014	SUBS 0251-0277 PD 1	std/qc fail acceptance
o-toluidine	12	Accepted	02-Mar-2014	03-Mar-2014	SUBS 0278-0298 PD 1 + REASSAYS	OK
o-toluidine	13	Accepted	03-Mar-2014	04-Mar-2014	SUBS 0300-0321 PD 1 + REASSAYS	OK
o-toluidine	14	Accepted	21-Feb-2014	22-Feb-2014	SUBS 0322-0328 PD 1 + ISRs	OK
o-toluidine	15	Accepted	03-Mar-2014	04-Mar-2014	RR of BATCH 1 (1-amino) + REASSAYS	OK
o-toluidine	16	Accepted	04-Mar-2014	05-Mar-2014	RR of BATCH 5 + REASSAYS	OK
o-toluidine	17	Accepted	05-Mar-2014	06-Mar-2014	RR of BATCH 9 (o-toluidine only) + REASSAYS	OK
o-toluidine	18	Rejected	06-Mar-2014	07-Mar-2014	REASSAYS	equipment failure
o-toluidine	19	Accepted	06-Mar-2014	07-Mar-2014	RR of BATCH 11 (SUBS 0251-0277 PD 1)	OK
o-toluidine	20	Rejected	10-Mar-2014	11-Mar-2014	REASSAYS + ISRs	std/qc fail acceptance
o-toluidine	21	Accepted	10-Mar-2014	11-Mar-2014	ISRs + REASSAYS	OK
o-toluidine	22	Accepted	06-Mar-2014	10-Mar-2014	RI 018 REASSAYS	OK
o-toluidine	23	Accepted	13-Mar-2014	14-Mar-2014	RR of BATCH 20 (REASSAYS + ISRs) split 2s	OK
2-aminonaphthalene	1	Accepted	14-Feb-2014	15-Feb-2014	SUBS 0001-0021 PD 1	OK
2-aminonaphthalene	2	Accepted	17-Feb-2014	18-Feb-2014	SUBS 0022-0039 PD 1	OK
2-aminonaphthalene	3	Accepted	18-Feb-2014	19-Feb-2014	SUBS 0042-0064 PD 1	OK
2-aminonaphthalene	4	Accepted	19-Feb-2014	20-Feb-2014	SUBS 0066-0088 PD 1	OK
2-aminonaphthalene	5	Rejected	20-Feb-2014	21-Feb-2014	SUBS 0090-0121 PD 1	ext - interference (ISTD)
2-aminonaphthalene	6	Accepted	22-Feb-2014	23-Feb-2014	SUBS 0122-0139 PD 1	OK
2-aminonaphthalene	7	Accepted	23-Feb-2014	24-Feb-2014	SUBS 0140-0162 PD 1	OK
2-aminonaphthalene	8	Accepted	24-Feb-2014	25-Feb-2014	SUBS 0167-0192 PD 1	OK



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Analyte Name	Run ID	Regression Status	Extraction Date	Assay Date	Description	Comment
2-aminonaphthalene	9	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0193-0216 PD 1	OK
2-aminonaphthalene	10	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0218-0249 PD 1	OK
2-aminonaphthalene	11	Accepted	28-Feb-2014	01-Mar-2014	SUBS 0251-0277 PD 1	OK
2-aminonaphthalene	12	Accepted	02-Mar-2014	03-Mar-2014	SUBS 0278-0298 PD 1 + REASSAYS	OK
2-aminonaphthalene	13	Accepted	03-Mar-2014	04-Mar-2014	SUBS 0300-0321 PD 1 + REASSAYS	OK
2-aminonaphthalene	14	Accepted	21-Feb-2014	22-Feb-2014	SUBS 0322-0328 PD 1 + ISRs	OK
2-aminonaphthalene	15	Accepted	03-Mar-2014	04-Mar-2014	RR of BATCH 1 (1-amino) + REASSAYS	OK
2-aminonaphthalene	16	Accepted	04-Mar-2014	05-Mar-2014	RR of BATCH 5 + REASSAYS	OK
2-aminonaphthalene	18	Rejected	06-Mar-2014	07-Mar-2014	REASSAYS	equipment failure
2-aminonaphthalene	19	Accepted	06-Mar-2014	07-Mar-2014	RR of BATCH 11 (SUBS 0251-0277 PD 1)	OK
2-aminonaphthalene	20	Accepted	10-Mar-2014	11-Mar-2014	REASSAYS + ISRs	OK
2-aminonaphthalene	21	Accepted	10-Mar-2014	11-Mar-2014	ISRs + REASSAYS	OK
2-aminonaphthalene	22	Accepted	06-Mar-2014	10-Mar-2014	RI 018 REASSAYS	OK
2-aminonaphthalene	23	Accepted	13-Mar-2014	14-Mar-2014	RR of BATCH 20 (REASSAYS + ISRs) split 2s	OK
1-aminonaphthalene	1	Rejected	14-Feb-2014	15-Feb-2014	SUBS 0001-0021 PD 1	QC A's failing low (~20-25%)
1-aminonaphthalene	2	Accepted	17-Feb-2014	18-Feb-2014	SUBS 0022-0039 PD 1	OK
1-aminonaphthalene	3	Accepted	18-Feb-2014	19-Feb-2014	SUBS 0042-0064 PD 1	OK
1-aminonaphthalene	4	Accepted	19-Feb-2014	20-Feb-2014	SUBS 0066-0088 PD 1	OK
1-aminonaphthalene	5	Rejected	20-Feb-2014	21-Feb-2014	SUBS 0090-0121 PD 1	ext - interference
1-aminonaphthalene	6	Accepted	22-Feb-2014	23-Feb-2014	SUBS 0122-0139 PD 1	OK
1-aminonaphthalene	7	Accepted	23-Feb-2014	24-Feb-2014	SUBS 0140-0162 PD 1	OK
1-aminonaphthalene	8	Accepted	24-Feb-2014	25-Feb-2014	SUBS 0167-0192 PD 1	OK
1-aminonaphthalene	9	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0193-0216 PD 1	OK
1-aminonaphthalene	10	Accepted	25-Feb-2014	26-Feb-2014	SUBS 0218-0249 PD 1	OK
1-aminonaphthalene	11	Accepted	28-Feb-2014	01-Mar-2014	SUBS 0251-0277 PD 1	OK
1-aminonaphthalene	12	Accepted	02-Mar-2014	03-Mar-2014	SUBS 0278-0298 PD 1 + REASSAYS	OK
1-aminonaphthalene	13	Accepted	03-Mar-2014	04-Mar-2014	SUBS 0300-0321 PD 1 + REASSAYS	OK
1-aminonaphthalene	14	Accepted	21-Feb-2014	22-Feb-2014	SUBS 0322-0328 PD 1 + ISRs	OK





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Analyte Name	Run ID	Regression Status	Extraction Date	Assay Date	Description	Comment
1-aminonaphthalene	15	Accepted	03-Mar-2014	04-Mar-2014	RR of BATCH 1 (1-amino) + REASSAYS	OK
1-aminonaphthalene	16	Accepted	04-Mar-2014	05-Mar-2014	RR of BATCH 5 + REASSAYS	OK
1-aminonaphthalene	18	Rejected	06-Mar-2014	07-Mar-2014	REASSAYS	equipment failure
1-aminonaphthalene	19	Rejected	06-Mar-2014	07-Mar-2014	RR of BATCH 11 (SUBS 0251-0277 PD 1)	std/qc fail acceptance
1-aminonaphthalene	20	Rejected	10-Mar-2014	11-Mar-2014	REASSAYS + ISRs	std/qc fail acceptance
1-aminonaphthalene	21	Accepted	10-Mar-2014	11-Mar-2014	ISRs + REASSAYS	OK
1-aminonaphthalene	22	Accepted	06-Mar-2014	10-Mar-2014	RI 018 REASSAYS	OK
1-aminonaphthalene	23	Accepted	13-Mar-2014	14-Mar-2014	RR of BATCH 20 (REASSAYS + ISRs) split 2s	OK

“Regression Status” reflects the status of the run with respect to run acceptance criteria



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Table 2 Quality Control Sample Data (Between-Analytical Run Precision and Accuracy)  
for 4-Aminobiphenyl

Assay Date	Run ID	QC A (NBL) 3.35 pg/mL	QC B 5.60 pg/mL	QC C (SBL) 15.4 pg/mL	QC D 59.4 pg/mL
15-Feb-2014	1	3.07	5.58	14.4	57.7
		2.93	4.90	14.5	57.0
18-Feb-2014	2	3.37	5.50	15.2	58.9
		3.35	5.57	14.9	58.1
19-Feb-2014	3	3.40	5.50	15.3	57.3
		3.53	5.73	15.2	58.0
20-Feb-2014	4	3.58	5.64	15.5	60.6
		3.69	5.45	15.7	58.5
21-Feb-2014	5	3.38	5.21	15.6	59.4
		3.13	5.22	15.2	59.7
22-Feb-2014	14	3.17	5.44	15.7	58.4
		3.53	5.28	14.9	57.8
23-Feb-2014	6	3.37	5.57	15.4	62.0
		3.11	5.01	14.9	62.0
24-Feb-2014	7	3.32	5.22	16.1	61.5
		3.15	5.26	15.2	60.2
25-Feb-2014	8	3.06	5.19	15.5	58.8
		2.94	5.07	15.1	63.9
26-Feb-2014	9	3.39	5.32	15.1	56.3
		3.28	5.11	15.2	56.2
26-Feb-2014	10	3.44	5.64	15.7	59.4
		3.19	5.47	15.7	59.9
01-Mar-2014	11	*3.68	*5.81	15.7	60.6
		3.47	6.05	15.4	61.2
03-Mar-2014	12	*3.47	*5.68	15.4	61.7
		3.31	5.34	16.1	60.9
04-Mar-2014	13	3.81	5.56	15.8	59.8
		3.32	5.34	15.7	59.4
04-Mar-2014	15	3.01	*5.48	15.3	58.9
		3.08	5.26	15.4	59.1
07-Mar-2014	19	3.23	5.42	15.2	60.8
		3.30	5.51	15.3	60.4
10-Mar-2014	22	3.30	5.39	15.4	57.1
		3.06	5.26	15.0	56.0
11-Mar-2014	20	3.03	5.11	15.5	62.1
		2.86	5.09	15.3	*62.1
11-Mar-2014	21	3.51	5.87	15.3	61.0
		3.61	5.56	15.8	58.7



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Assay Date	Run ID	QC A (NBL) 3.35 pg/mL	QC B 5.60 pg/mL	QC C (SBL) 15.4 pg/mL	QC D 59.4 pg/mL
14-Mar-2014	23	3.61	5.82	14.7	60.0
		3.23	5.76	15.4	61.0
Mean		3.29	5.41	15.3	59.5
S.D.		0.225	0.256	0.374	1.83
%CV		6.8	4.7	2.4	3.1
%Theoretical		98.2	96.6	99.4	100.2
%Bias		-1.8	-3.4	-0.6	0.2
n		38	37	40	39

Reason Deactivated  
\* UISR



4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 3 Quality Control Sample Data (Between-Analytical Run Precision and Accuracy)  
for *o*-Toluidine

Assay Date	Run ID	QC A (NBL) 113 pg/mL	QC B 213 pg/mL	QC C (SBL) 593 pg/mL	QC D 830 pg/mL
15-Feb-2014	1	107	198	509	730
		100	196	507	714
18-Feb-2014	2	117	211	581	803
		107	217	559	734
19-Feb-2014	3	116	207	571	778
		110	212	534	770
20-Feb-2014	4	113	209	586	805
		106	207	556	734
21-Feb-2014	5	110	211	579	803
		110	202	523	753
22-Feb-2014	14	112	214	630	907
		128	210	571	798
23-Feb-2014	6	118	213	573	786
		111	210	530	732
24-Feb-2014	7	108	202	559	775
		106	203	542	769
25-Feb-2014	8	116	210	562	784
		108	201	550	841
26-Feb-2014	10	115	217	591	826
		118	221	583	834
03-Mar-2014	12	*105	*197	531	753
		108	199	546	772
04-Mar-2014	13	104	203	505	735
		107	199	523	736
04-Mar-2014	15	106	*257	~499	742
		107	210	522	758
05-Mar-2014	16	109	209	531	741
		106	200	514	732
06-Mar-2014	17	113	205	524	733
		110	206	~491	736
07-Mar-2014	19	101	205	~479	741
		101	199	516	768
10-Mar-2014	22	105	205	558	798
		111	211	548	780
11-Mar-2014	21	113	212	586	811
		113	210	546	770
14-Mar-2014	23	117	214	534	780
		113	208	555	783





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	QC A (NBL) 113 pg/mL	QC B 213 pg/mL	QC C (SBL) 593 pg/mL	QC D 830 pg/mL
Mean		110	207	545	772
S.D.		5.61	5.98	32.1	39.2
%CV		5.1	2.9	5.9	5.1
%Theoretical		97.3	97.2	91.9	93.0
%Bias		-2.7	-2.8	-8.1	-7.0
n		37	36	38	38

Reason Deactivated

\* UISR

~ > 15%Bias



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 4 Quality Control Sample Data (Between-Analytical Run Precision and Accuracy)  
for 2-Aminonaphthalene

Assay Date	Run ID	QC A (NBL) 3.87 pg/mL	QC B 7.87 pg/mL	QC C (SBL) 26.5 pg/mL	QC D 396 pg/mL
15-Feb-2014	1	3.55	7.64	26.0	429
		3.57	7.67	25.8	406
18-Feb-2014	2	3.95	7.79	26.0	404
		4.06	8.02	27.0	406
19-Feb-2014	3	4.15	7.66	27.7	407
		3.77	8.08	26.5	412
20-Feb-2014	4	4.13	8.02	26.9	420
		3.72	7.83	25.7	417
22-Feb-2014	14	3.98	8.37	27.5	415
		3.81	8.29	27.8	413
23-Feb-2014	6	3.87	8.06	26.3	422
		3.74	7.71	25.6	414
24-Feb-2014	7	3.97	7.96	26.8	426
		3.88	7.86	26.3	425
25-Feb-2014	8	3.53	7.89	26.8	409
		3.34	7.71	25.9	452
26-Feb-2014	9	~4.70	8.41	27.6	399
		4.40	8.51	26.7	410
26-Feb-2014	10	3.92	7.85	26.1	415
		4.02	7.86	25.7	415
01-Mar-2014	11	*4.69	*8.42	27.4	424
		4.30	8.24	27.2	421
03-Mar-2014	12	*3.65	*7.73	26.8	421
		3.56	7.55	26.6	414
04-Mar-2014	13	4.39	8.03	26.0	415
		3.88	7.66	26.1	410
04-Mar-2014	15	3.70	*7.48	25.5	411
		3.53	7.40	25.5	410
05-Mar-2014	16	3.89	7.77	27.5	411
		3.72	7.74	26.8	417
07-Mar-2014	19	3.53	7.44	25.1	416
		~3.28	7.60	25.1	416
10-Mar-2014	22	3.47	7.33	25.6	397
		3.44	7.35	25.4	391
11-Mar-2014	20	3.59	7.46	25.5	412
		3.56	7.52	25.7	*425
11-Mar-2014	21	3.85	7.82	26.5	423
		3.77	7.97	25.8	412



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	QC A (NBL) 3.87 pg/mL	QC B 7.87 pg/mL	QC C (SBL) 26.5 pg/mL	QC D 396 pg/mL
14-Mar-2014	23	4.08	7.81	25.6	416
		3.44	7.68	26.6	427
Mean		3.82	7.83	26.3	415
S.D.		0.315	0.294	0.755	10.1
%CV		8.2	3.8	2.9	2.4
%Theoretical		98.7	99.5	99.2	104.8
%Bias		-1.3	-0.5	-0.8	4.8
n		38	37	40	39

Reason Deactivated

\* UISR

~ > 15%Bias





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 5 Quality Control Sample Data (Between-Analytical Run Precision and Accuracy)  
for 1-Aminonaphthalene

Assay Date	Run ID	QC A (NBL) 6.05 pg/mL	QC B 10.1 pg/mL	QC C (SBL) 57.6 pg/mL	QC D 398 pg/mL
18-Feb-2014	2	6.50	10.4	58.0	416
		5.63	10.3	56.4	412
19-Feb-2014	3	6.35	10.0	56.1	404
		5.48	9.74	54.6	406
20-Feb-2014	4	6.46	10.7	56.4	409
		5.87	10.2	55.7	404
22-Feb-2014	14	5.69	9.81	55.8	397
		6.20	9.64	53.5	384
23-Feb-2014	6	6.02	9.68	55.9	408
		5.24	8.77	53.7	413
24-Feb-2014	7	5.96	9.35	54.6	405
		5.37	8.60	54.2	415
25-Feb-2014	8	6.24	9.86	54.5	394
		5.39	8.82	54.6	451
26-Feb-2014	9	6.92	11.1	59.9	410
		6.80	10.8	58.0	408
26-Feb-2014	10	6.09	9.75	55.1	409
		5.70	9.78	55.2	409
01-Mar-2014	11	*7.52	*11.4	59.1	419
		6.54	10.4	58.4	415
03-Mar-2014	12	*5.82	*9.70	54.7	424
		5.62	9.20	55.4	410
04-Mar-2014	13	5.89	9.67	53.8	403
		5.32	9.07	53.6	401
04-Mar-2014	15	~5.07	*8.88	51.3	394
		5.29	8.86	51.4	393
05-Mar-2014	16	5.35	9.33	53.8	403
		5.34	9.15	53.3	394
10-Mar-2014	22	5.28	9.41	52.5	391
		5.26	9.31	52.4	385
11-Mar-2014	21	5.74	9.65	54.8	410
		5.91	9.84	53.8	402
14-Mar-2014	23	6.05	9.80	53.3	414
		5.98	9.77	56.4	418
Mean		5.83	9.70	55.0	407
S.D.		0.492	0.604	2.04	12.4
%CV		8.4	6.2	3.7	3.0



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	QC A (NBL) 6.05 pg/mL	QC B 10.1 pg/mL	QC C (SBL) 57.6 pg/mL	QC D 398 pg/mL
%Theoretical		96.4	96.0	95.5	102.3
%Bias		-3.6	-4.0	-4.5	2.3
n		32	31	34	34

Reason Deactivated

\* UISR

~ > 15%Bias



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 6 Back-calculated Calibration Standard Concentrations for 4-Aminobiphenyl

Assay Date	Run ID	STD B 1.50 pg/mL	STD C 2.25 pg/mL	STD D 3.75 pg/mL	STD E 7.50 pg/mL	STD E OLD 7.50 pg/mL	STD F 15.0 pg/mL	STD G 30.0 pg/mL	STD H 63.0 pg/mL	STD I 75.0 pg/mL
15-Feb-2014	1	1.49	2.29	3.67	7.47		14.8	31.2	62.8	74.3
18-Feb-2014	2	1.50	2.24	3.73	7.43		15.0	30.8	62.7	74.5
19-Feb-2014	3	1.54	2.14	3.91	7.51		14.7	29.8	62.5	75.9
20-Feb-2014	4	1.43	2.34	3.86	7.52		14.6	29.9	62.8	75.6
21-Feb-2014	5	1.54	2.25	3.74	7.28	7.52	14.9	30.2	62.6	75.5
22-Feb-2014	14	1.51	2.40	3.69	7.31		14.4	30.2	61.6	76.9
23-Feb-2014	6	1.52	2.35	3.86	7.10		14.5	29.5	63.2	76.0
24-Feb-2014	7	1.49	2.25	3.83	7.28		15.0	30.4	63.3	74.4
25-Feb-2014	8	1.44	2.34	3.80	7.52		15.0	29.4	62.0	76.5
26-Feb-2014	9	1.51	2.34	3.82	7.21		14.4	29.9	63.9	74.8
26-Feb-2014	10	1.61	2.17	3.73	7.42		14.9	29.2	62.1	76.8
01-Mar-2014	11	1.47	*2.19	3.83	7.66		14.5	30.2	63.0	*78.5
03-Mar-2014	12	1.56	2.27	3.91	7.51		13.8	28.9	61.7	78.3



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	STD B 1.50 pg/mL	STD C 2.25 pg/mL	STD D 3.75 pg/mL	STD E 7.50 pg/mL	STD E OLD 7.50 pg/mL	STD F 15.0 pg/mL	STD G 30.0 pg/mL	STD H 63.0 pg/mL	STD I 75.0 pg/mL
04-Mar-2014	13	1 49	2 36	3 66	7 60		14 8	29 3	61 4	77 4
04-Mar-2014	15	1 53	2 26	3 75	7 66		14 5	29 2	62 0	77 1
07-Mar-2014	19	1 46	2 25	4 00	7 87		14 0	28 8	62 5	77 2
10-Mar-2014	22	1 53	2 15	3 75	7 77		14 8	30 4	60 8	76 8
11-Mar-2014	20	1 49	2 32	3 68	7 77		14 2	30 5	61 5	76 5
11-Mar-2014	21	1 55	2 18	3 62	8 18		14 4	29 5	61 1	77 6
14-Mar-2014	23	1 55	2 38	3 78	7 41		14 2	28 3	60 7	79 6
Mean		1 51	2 28	3 78	7 52	7 52	14 6	29 8	62 2	76 4
S D		0 0432	0 0787	0 0975	0 251		0 344	0 727	0 867	1 38
%CV		2 9	3 5	2 6	3 3		2 4	2 4	1 4	1 8
%Bias		0 7	1 3	0 8	0 3	0 3	-2 7	-0 7	-1 3	1 9
n		20	19	20	20	1	20	20	20	19

Reasons Deactivated

\* UISR

\*\* ISP





4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 7 Back-calculated Calibration Standard Concentrations for *o*-Toluidine

Assay Date	Run ID	STD B 50.0 pg/mL	STD C 100 pg/mL	STD D 150 pg/mL	STD E 200 pg/mL	STD E OLD 200 pg/mL	STD F 400 pg/mL	STD G 600 pg/mL	STD H 840 pg/mL	STD I 1000 pg/mL
15-Feb-2014	1	49 5	102	147	207		402	*395	835	979
18-Feb-2014	2	49 3	103	150	201		402	612	827	974
19-Feb-2014	3	49 1	102	153	203		401	594	828	985
20-Feb-2014	4	**41 3	99 2	152	199		398	612	844	978
21-Feb-2014	5	**43 4	99 8	153	194	202	390	619	839	996
22-Feb-2014	14	**45 2	101	148	198		397	607	831	1020
23-Feb-2014	6	49 1	104	150	198		399	610	833	981
24-Feb-2014	7	49 2	102	155	196		398	595	842	990
25-Feb-2014	8	49 5	103	152	192		414	598	842	975
26-Feb-2014	10	49 6	102	150	197		407	597	860	970
03-Mar-2014	12	49 1	104	154	194		401	591	843	997
04-Mar-2014	13	49 0	103	154	197		396	594	823	1010
04-Mar-2014	15	49 5	104	147	199		395	581	861	1020



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	STD B 50.0 pg/mL	STD C 100 pg/mL	STD D 150 pg/mL	STD E 200 pg/mL	STD E OLD 200 pg/mL	STD F 400 pg/mL	STD G 600 pg/mL	STD H 840 pg/mL	STD I 1000 pg/mL
05-Mar-2014	16	49.5	102	152	200		403	600	828	993
06-Mar-2014	17	49.0	105	153	191		408	592	818	1020
07-Mar-2014	19	49.8	104	146	195		401	608	835	1010
10-Mar-2014	22	49.8	101	148	199		409	607	828	986
11-Mar-2014	21	50.0	100	148	202		402	607	840	986
14-Mar-2014	23	49.5	102	152	197		403	600	839	984
Mean		49.4	102	151	198	202	401	601	837	992
S.D.		0.307	1.59	2.75	3.88		5.51	9.53	11.1	16.4
%CV		0.6	1.6	1.8	2.0		1.4	1.6	1.3	1.7
%Bias		-1.2	2.0	0.7	-1.0	1.0	0.3	0.2	-0.4	-0.8
n		16	19	19	19	1	19	18	19	19

Reasons Deactivated

\* UCR

\*\* Not Used (Interference)

\*\*\* ISP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 8 Back-calculated Calibration Standard Concentrations for 2-Aminonaphthalene

Assay Date	Run ID	STD B 2.50 pg/mL	STD C 4.00 pg/mL	STD D 10.0 pg/mL	STD E 32.0 pg/mL	STD F 100 pg/mL	STD G 250 pg/mL	STD H 425 pg/mL	STD I 500 pg/mL
15-Feb-2014	1	2 58	3 81	9 95	*17 3	101	**265	431	501
18-Feb-2014	2	2 45	4 18	9 75	*16 4	98 8	252	429	499
19-Feb-2014	3	2 47	4 07	10 1	*16 1	98 6	247	431	498
20-Feb-2014	4	2 42	4 23	9 88	*16 2	100	248	434	487
22-Feb-2014	14	2 47	4 15	9 79	28 3	102	258	433	521
23-Feb-2014	6	2 47	3 93	10 9	*25 7	96 1	248	424	492
24-Feb-2014	7	2 43	4 24	9 97	27 4	101	259	437	519
25-Feb-2014	8	2 53	3 98	9 92	29 1	104	254	436	507
26-Feb-2014	9	2 48	4 15	9 45	*24 0	99 1	251	437	503
26-Feb-2014	10	2 50	4 00	10 0	*25 6	98 1	252	432	498
01-Mar-2014	11	2 55	***4 02	9 16	32 6	100	256	435	***533
03-Mar-2014	12	2 60	3 81	9 69	31 6	95 9	256	444	512
04-Mar-2014	13	2 40	4 29	9 89	31 2	99 1	252	425	502



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	STD B 2.50 pg/mL	STD C 4.00 pg/mL	STD D 10.0 pg/mL	STD E 32.0 pg/mL	STD F 100 pg/mL	STD G 250 pg/mL	STD H 425 pg/mL	STD I 500 pg/mL
04-Mar-2014	15	2.54	4.00	9.42	31.1	97.5	260	440	509
05-Mar-2014	16	2.49	4.15	9.37	31.0	99.8	258	424	518
07-Mar-2014	19	2.59	3.80	9.91	31.3	99.8	255	425	514
10-Mar-2014	22	2.56	3.93	9.36	32.6	101	254	426	505
11-Mar-2014	20	2.45	4.15	9.88	32.4	96.3	252	422	508
11-Mar-2014	21	2.55	3.91	9.69	32.8	98.7	251	430	501
14-Mar-2014	23	2.53	3.93	10.0	30.4	100	247	436	517
Mean		2.50	4.04	9.80	30.9	99.3	253	432	506
S.D		0.0589	0.155	0.367	1.71	2.01	4.03	5.97	9.38
%CV		2.4	3.8	3.7	5.5	2.0	1.6	1.4	1.9
%Bias		0.0	1.0	-2.0	-3.4	-0.7	1.2	1.6	1.2
n		20	19	20	13	20	19	20	19

Reasons Deactivated

\* Rejected

\*\* UCR

\*\*\* UISR

\*\*\*\* ISP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 9 Back-calculated Calibration Standard Concentrations for 1-Aminonaphthalene

Assay Date	Run ID	STD B 2.50 pg/mL	STD C 4.00 pg/mL	STD D 10.0 pg/mL	STD E 32.0 pg/mL	STD F 100 pg/mL	STD G 250 pg/mL	STD H 425 pg/mL	STD I 500 pg/mL
18-Feb-2014	2	2.48	4.05	9.92	*16.5	99.8	254	422	497
19-Feb-2014	3	2.56	3.90	9.68	*16.0	99.5	254	431	505
20-Feb-2014	4	**2.21	4.05	9.70	*15.7	98.6	255	429	502
22-Feb-2014	14	**2.11	4.06	9.68	31.1	99.7	254	435	504
23-Feb-2014	6	2.52	4.02	9.72	31.2	99.7	256	435	499
24-Feb-2014	7	2.58	3.88	9.58	31.0	101	256	435	508
25-Feb-2014	8	2.46	4.15	9.65	31.7	104	251	437	475
26-Feb-2014	9	2.59	3.93	9.17	30.5	101	255	443	518
26-Feb-2014	10	2.50	4.07	9.79	30.1	101	250	437	515
01-Mar-2014	11	2.56	***3.52	9.05	32.3	99.7	262	433	***535
03-Mar-2014	12	2.51	4.09	9.27	31.8	97.6	251	447	510
04-Mar-2014	13	2.57	3.89	9.73	31.3	99.2	253	435	512
04-Mar-2014	15	2.42	4.27	9.71	30.6	98.2	250	434	516



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Assay Date	Run ID	STD B 2.50 pg/mL	STD C 4.00 pg/mL	STD D 10.0 pg/mL	STD E 32.0 pg/mL	STD F 100 pg/mL	STD G 250 pg/mL	STD H 425 pg/mL	STD I 500 pg/mL
05-Mar-2014	16	2.48	4.15	9.48	31.1	98.5	257	434	510
10-Mar-2014	22	2.43	4.28	9.41	31.8	99.7	253	426	506
11-Mar-2014	21	2.55	3.94	9.57	32.7	98.1	251	427	513
14-Mar-2014	23	2.50	4.07	9.61	30.9	99.2	251	432	522
Mean		2.51	4.05	9.57	31.3	99.7	254	434	507
S.D		0.0537	0.123	0.229	0.709	1.50	3.08	5.95	10.9
%CV		2.1	3.0	2.4	2.3	1.5	1.2	1.4	2.1
%Bias		0.4	1.3	-4.3	-2.2	-0.3	1.6	2.1	1.4
n		15	16	17	14	17	17	17	16

Reasons Deactivated

\* Rejected

\*\* Not Used (Interference)

\*\*\* UISR

\*\*\*\* ISP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 10 Standard Curve Parameters for 4-Aminobiphenyl

Assay Date	Run ID	Slope	Intercept	R-Squared
15-Feb-2014	1	0.00840360448	-0.000384585797	0.9996
18-Feb-2014	2	0.00787620455	0.000461062384	0.9998
19-Feb-2014	3	0.00741783832	0.000102876591	0.9998
20-Feb-2014	4	0.00740299828	-0.000236082367	0.9998
21-Feb-2014	5	0.00741483401	0.000459178943	0.9999
22-Feb-2014	14	0.00750341065	-0.000403538708	0.9993
23-Feb-2014	6	0.00736883152	0.000656669983	0.9996
24-Feb-2014	7	0.00734596520	0.000480361330	0.9999
25-Feb-2014	8	0.00745400614	0.000538972939	0.9996
26-Feb-2014	9	0.00783056268	-0.000129426255	0.9997
26-Feb-2014	10	0.00411455201	0.000312587856	0.9994
01-Mar-2014	11	0.00777958853	0.000851447444	0.9998
03-Mar-2014	12	0.00771566574	-0.000584102132	0.9980
04-Mar-2014	13	0.00755705750	0.000603201854	0.9991
04-Mar-2014	15	0.00409432540	0.000223321472	0.9993
07-Mar-2014	19	0.00766700957	0.000423388216	0.9986
10-Mar-2014	22	0.00403429268	0.000175381160	0.9991
11-Mar-2014	20	0.00762290670	0.000638809212	0.9992
11-Mar-2014	21	0.00396207661	0.000279478888	0.9984
14-Mar-2014	23	0.00394988897	-0.000241251989	0.9968
Mean		0.00672578098	0.000211387551	0.9992
S.D.		0.00161420672	0.000410902859	0.0008
%CV		24.0	194.4	0.1
n		20	20	20



4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 11 Standard Curve Parameters for *o*-Toluidine

Assay Date	Run ID	Slope	Intercept	R-Squared
15-Feb-2014	1	0.00746349223	0.0131979843	0.9993
18-Feb-2014	2	0.00713604130	0.0371652850	0.9994
19-Feb-2014	3	0.00702145810	0.0121753387	0.9995
20-Feb-2014	4	0.00633682987	0.180309776	0.9995
21-Feb-2014	5	0.00634109813	0.152440592	0.9989
22-Feb-2014	14	0.00668441641	0.102077477	0.9996
23-Feb-2014	6	0.00690937642	0.0190106545	0.9993
24-Feb-2014	7	0.00680263007	0.0626774104	0.9994
25-Feb-2014	8	0.00679686681	0.0395791497	0.9989
26-Feb-2014	10	0.00432119276	0.0196573718	0.9994
03-Mar-2014	12	0.00696722407	0.0217094658	0.9991
04-Mar-2014	13	0.00681831238	0.0275641025	0.9992
04-Mar-2014	15	0.00433069108	0.0120223166	0.9989
05-Mar-2014	16	0.00686747746	0.0304219353	0.9998
06-Mar-2014	17	0.00697776266	-0.000339515461	0.9982
07-Mar-2014	19	0.00691407986	0.0355907468	0.9993
10-Mar-2014	22	0.00431299756	0.0331726567	0.9997
11-Mar-2014	21	0.00438636914	0.0134475487	0.9998
14-Mar-2014	23	0.00438316087	0.00999712371	0.9997
Mean		0.00619849880	0.0432567063	0.9993
S.D.		0.00116308308	0.0491672036	0.0004
%CV		18.8	113.7	0.0
n		19	19	19





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 12 Standard Curve Parameters for 2-Aminonaphthalene

Assay Date	Run ID	Slope	Intercept	R-Squared
15-Feb-2014	1	0.00432788205	0.000827089015	0.9990
18-Feb-2014	2	0.00427717913	0.0000134418405	0.9992
19-Feb-2014	3	0.00441000486	0.0000789073708	0.9998
20-Feb-2014	4	0.00442822151	0.00114057452	0.9987
22-Feb-2014	14	0.00434101002	0.000986234506	0.9964
23-Feb-2014	6	0.00445129055	0.000233594931	0.9975
24-Feb-2014	7	0.00431274787	0.000291568806	0.9945
25-Feb-2014	8	0.00433671032	0.00103454372	0.9979
26-Feb-2014	9	0.00456923793	-0.000355049927	0.9988
26-Feb-2014	10	0.00395210412	-0.000175114744	0.9998
01-Mar-2014	11	0.00445163878	0.00104123167	0.9979
03-Mar-2014	12	0.00445199319	0.00100222834	0.9982
04-Mar-2014	13	0.00444733176	-0.00119716067	0.9985
04-Mar-2014	15	0.00401731327	0.000592835564	0.9984
05-Mar-2014	16	0.00439123852	0.000644585321	0.9984
07-Mar-2014	19	0.00446490752	0.000592762966	0.9990
10-Mar-2014	22	0.00401736214	0.000976960126	0.9989
11-Mar-2014	20	0.00444796681	0.000376261761	0.9992
11-Mar-2014	21	0.00389080742	0.000111909363	0.9995
14-Mar-2014	23	0.00382644114	0.000755661462	0.9991
Mean		0.00429066945	0.000448653297	0.9984
S.D.		0.000220574465	0.000590474588	0.0012
%CV		5.1	131.6	0.1
n		20	20	20



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 13 Standard Curve Parameters for 1-Aminonaphthalene

Assay Date	Run ID	Slope	Intercept	R-Squared
18-Feb-2014	2	0.00437614312	0.000421279515	0.9999
19-Feb-2014	3	0.00439993743	0.000552750274	0.9994
20-Feb-2014	4	0.00440452656	0.00418472903	0.9996
22-Feb-2014	14	0.00437430817	0.00245598239	0.9994
23-Feb-2014	6	0.00435516250	0.0000392017307	0.9995
24-Feb-2014	7	0.00427425330	0.000541651651	0.9989
25-Feb-2014	8	0.00432465925	0.00117536516	0.9985
26-Feb-2014	9	0.00434330393	-0.0000634421068	0.9973
26-Feb-2014	10	0.00401234741	0.000211885904	0.9988
01-Mar-2014	11	0.00432341723	0.00170529105	0.9971
03-Mar-2014	12	0.00443831266	-0.0000971548619	0.9982
04-Mar-2014	13	0.00433929051	0.00000248888177	0.9993
04-Mar-2014	15	0.00425310886	-0.000702736236	0.9981
05-Mar-2014	16	0.00437566358	0.0000374676016	0.9987
10-Mar-2014	22	0.00416812227	0.000180956006	0.9982
11-Mar-2014	21	0.00406468272	-0.000755489986	0.9992
14-Mar-2014	23	0.00392097018	0.000265597497	0.9990
Mean		0.00427930645	0.000597401382	0.9988
S.D.		0.000149887858	0.00121890825	0.0008
%CV		3.5	204.0	0.1
n		17	17	17



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 14 Study Sample Concentrations for 4-Aminobiphenyl

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000001	1	0008	-1	0	21.6	1	OK		4-ABP
05111530000002	1	0008	0	1	15.5	1	OK		4-ABP
05111530000003	1	0008	1	2	6.64	1	OK		4-ABP
05111530000004	1	0008	2	3	2.57	1	OK		4-ABP
05111530000005	1	0008	3	4	1.72	1	OK		4-ABP
05111530000006	1	0008	4	5	1.69	1	OK		4-ABP
05111530000007	1	0008	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000008	1	0010	-1	0	9.55	1	OK		4-ABP
05111530000009	1	0010	0	1	3.02	1	OK		4-ABP
05111530000010	1	0010	1	2	2.40	1	OK		4-ABP
05111530000011	1	0010	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000012	1	0010	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000013	1	0010	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000014	1	0010	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000015	1	0011	-1	0	11.6	1	OK		4-ABP
05111530000016	1	0011	0	1	10.8	1	OK		4-ABP
05111530000017	1	0011	1	2	4.37	1	OK		4-ABP
05111530000018	1	0011	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000019	1	0011	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000020	1	0011	4	5	1.53	1	OK		4-ABP
05111530000021	1	0011	5	6	1.56	1	OK		4-ABP
05111530000022	1	0014	-1	0	14.6	1	OK		4-ABP
05111530000023	1	0014	0	1	24.0	1	OK		4-ABP
05111530000024	1	0014	1	2	3.92	1	OK		4-ABP
05111530000025	1	0014	2	3	2.81	1	OK		4-ABP
05111530000026	1	0014	3	4	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000027	1	0014	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000028	1	0014	5	6	1 99	1	OK		4-ABP
05111530000029	1	0015	-1	0	15 5	1	OK		4-ABP
05111530000030	1	0015	0	1	10 7	1	OK		4-ABP
05111530000031	1	0015	1	2	3 46	1	OK		4-ABP
05111530000032	1	0015	2	3	1 80	1	OK		4-ABP
05111530000033	1	0015	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000034	1	0015	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000035	1	0015	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000036	1	0016	-1	0	20 1	1	OK		4-ABP
05111530000037	1	0016	0	1	7 09	1	OK		4-ABP
05111530000038	1	0016	1	2	3 54	1	OK		4-ABP
05111530000039	1	0016	2	3	2 07	1	OK		4-ABP
05111530000040	1	0016	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000041	1	0016	4	5	1 60	1	OK		4-ABP
05111530000042	1	0016	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000043	1	0017	-1	0	5 51	1	OK		4-ABP
05111530000044	1	0017	0	1	3 93	1	OK		4-ABP
05111530000046	1	0017	2	3	1 67	1	OK		4-ABP
05111530000047	1	0017	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000048	1	0017	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000049	1	0017	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000050	1	0020	-1	0	8 50	1	OK		4-ABP
05111530000051	1	0020	0	1	7 83	1	OK		4-ABP
05111530000052	1	0020	1	2	3 12	1	OK		4-ABP
05111530000053	1	0020	2	3	1 68	1	OK		4-ABP
05111530000054	1	0020	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000055	1	0020	4	5	BLQ<(1 50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000056	1	0020	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000057	2	0022	-1	0	18.5	1	OK		4-ABP
05111530000058	2	0022	0	1	15.2	1	OK		4-ABP
05111530000059	2	0022	1	2	4.46	1	OK		4-ABP
05111530000060	2	0022	2	3	3.01	1	OK		4-ABP
05111530000061	2	0022	3	4	2.00	1	OK		4-ABP
05111530000062	2	0022	4	5	1.65	1	OK		4-ABP
05111530000063	2	0022	5	6	1.50	1	OK		4-ABP
05111530000064	2	0023	-1	0	12.1	1	OK		4-ABP
05111530000065	2	0023	0	1	8.56	1	OK		4-ABP
05111530000066	2	0023	1	2	3.27	1	OK		4-ABP
05111530000067	2	0023	2	3	2.53	1	OK		4-ABP
05111530000068	2	0023	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000069	2	0023	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000070	2	0023	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000071	2	0029	-1	0	9.78	1	OK		4-ABP
05111530000072	2	0029	0	1	3.73	1	OK		4-ABP
05111530000073	2	0029	1	2	4.70	1	OK		4-ABP
05111530000074	2	0029	2	3	6.95	1	OK		4-ABP
05111530000075	2	0029	3	4	5.90	1	OK		4-ABP
05111530000076	2	0029	4	5	2.38	1	OK		4-ABP
05111530000077	2	0029	5	6	4.01	1	OK		4-ABP
05111530000078	2	0030	-1	0	6.68	1	OK		4-ABP
05111530000079	2	0030	0	1	4.61	1	OK		4-ABP
05111530000080	2	0030	1	2	1.91	1	OK		4-ABP
05111530000081	2	0030	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000082	2	0030	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000083	2	0030	4	5	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000084	2	0030	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000085	2	0031	-1	0	13.8	1	OK		4-ABP
05111530000086	2	0031	0	1	22.4	1	OK		4-ABP
05111530000087	2	0031	1	2	5.06	1	OK		4-ABP
05111530000088	2	0031	2	3	2.71	1	OK		4-ABP
05111530000089	2	0031	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000090	2	0031	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000091	2	0031	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000092	2	0034	-1	0	9.15	1	OK		4-ABP
05111530000093	2	0034	0	1	8.21	1	OK		4-ABP
05111530000094	2	0034	1	2	3.36	1	OK		4-ABP
05111530000095	2	0034	2	3	2.41	1	OK		4-ABP
05111530000096	2	0034	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000097	2	0034	4	5	1.80	1	OK		4-ABP
05111530000098	2	0034	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000099	2	0035	-1	0	10.1	1	OK		4-ABP
05111530000100	2	0035	0	1	10.9	1	OK		4-ABP
05111530000101	2	0035	1	2	9.27	1	OK		4-ABP
05111530000102	2	0035	2	3	8.33	1	OK		4-ABP
05111530000103	2	0035	3	4	6.12	1	OK		4-ABP
05111530000104	2	0035	4	5	9.43	1	OK		4-ABP
05111530000105	2	0035	5	6	9.95	1	OK		4-ABP
05111530000106	2	0038	-1	0	24.4	1	OK		4-ABP
05111530000107	2	0038	0	1	23.0	1	OK		4-ABP
05111530000108	2	0038	1	2	7.75	1	OK		4-ABP
05111530000109	2	0038	2	3	2.76	1	OK		4-ABP
05111530000110	2	0038	3	4	2.02	1	OK		4-ABP
05111530000111	2	0038	4	5	2.22	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000112	2	0038	5	6	2.10	1	OK		4-ABP
05111530000113	2	0039	-1	0	12.1	1	OK		4-ABP
05111530000114	2	0039	0	1	12.0	1	OK		4-ABP
05111530000115	2	0039	1	2	13.4	1	OK		4-ABP
05111530000116	2	0039	2	3	7.29	1	OK		4-ABP
05111530000117	2	0039	3	4	9.92	1	OK		4-ABP
05111530000118	2	0039	4	5	12.8	1	OK		4-ABP
05111530000119	2	0039	5	6	7.30	1	OK		4-ABP
05111530000120	3	0044	-1	0	5.37	1	OK		4-ABP
05111530000121	3	0044	0	1	5.55	1	OK		4-ABP
05111530000122	3	0044	1	2	3.04	1	OK		4-ABP
05111530000123	3	0044	2	3	2.23	1	OK		4-ABP
05111530000124	3	0044	3	4	1.54	1	OK		4-ABP
05111530000125	3	0044	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000126	3	0044	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000127	3	0049	-1	0	12.5	1	OK		4-ABP
05111530000128	3	0049	0	1	2.13	1	OK		4-ABP
05111530000129	3	0049	1	2	2.20	1	OK		4-ABP
05111530000130	3	0049	2	3	1.76	1	OK		4-ABP
05111530000131	3	0049	3	4	1.63	1	OK		4-ABP
05111530000132	3	0049	4	5	1.71	1	OK		4-ABP
05111530000133	3	0049	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000134	3	0052	-1	0	18.7	1	OK		4-ABP
05111530000135	3	0052	0	1	14.4	1	OK		4-ABP
05111530000136	3	0052	1	2	6.82	1	OK		4-ABP
05111530000137	3	0052	2	3	5.69	1	OK		4-ABP
05111530000138	3	0052	3	4	1.56	1	OK		4-ABP
05111530000139	3	0052	4	5	1.63	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000140	3	0052	5	6	1 65	1	OK		4-ABP
05111530000141	3	0053	-1	0	17 3	1	OK		4-ABP
05111530000142	3	0053	0	1	14 5	1	OK		4-ABP
05111530000143	3	0053	1	2	13 7	1	OK		4-ABP
05111530000144	3	0053	2	3	12 4	1	OK		4-ABP
05111530000145	3	0053	3	4	13 8	1	OK		4-ABP
05111530000146	3	0053	4	5	9 27	1	OK		4-ABP
05111530000147	3	0053	5	6	10 9	1	OK		4-ABP
05111530000148	3	0057	-1	0	3 23	1	OK		4-ABP
05111530000149	3	0057	0	1	6 73	1	OK		4-ABP
05111530000150	3	0057	1	2	4 26	1	OK		4-ABP
05111530000151	3	0057	2	3	1 56	1	OK		4-ABP
05111530000152	3	0057	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000153	3	0057	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000154	3	0057	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000155	3	0060	-1	0	9 49	1	OK		4-ABP
05111530000156	3	0060	0	1	7 76	1	OK		4-ABP
05111530000157	3	0060	1	2	2 07	1	OK		4-ABP
05111530000158	3	0060	2	3	1 50	1	OK		4-ABP
05111530000159	3	0060	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000160	3	0060	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000161	3	0060	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000162	3	0062	-1	0	4 75	1	OK		4-ABP
05111530000163	3	0062	0	1	5 56	1	OK		4-ABP
05111530000164	3	0062	1	2	1 75	1	OK		4-ABP
05111530000165	3	0062	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000166	3	0062	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000167	3	0062	4	5	BLQ<(1 50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000168	3	0062	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000169	3	0064	-1	0	5.97	1	OK		4-ABP
05111530000170	3	0064	0	1	10.0	1	OK		4-ABP
05111530000171	3	0064	1	2	4.27	1	OK		4-ABP
05111530000172	3	0064	2	3	4.65	1	OK		4-ABP
05111530000173	3	0064	3	4	6.12	1	OK		4-ABP
05111530000174	3	0064	4	5	4.91	1	OK		4-ABP
05111530000175	3	0064	5	6	6.88	1	OK		4-ABP
05111530000176	3	0055	-1	0	9.72	1	OK		4-ABP
05111530000177	3	0055	0	1	5.85	1	OK		4-ABP
05111530000178	3	0055	1	2	6.29	1	OK		4-ABP
05111530000179	3	0055	2	3	6.48	1	OK		4-ABP
05111530000180	3	0055	3	4	4.00	1	OK		4-ABP
05111530000181	3	0055	4	5	6.66	1	OK		4-ABP
05111530000182	3	0055	5	6	5.75	1	OK		4-ABP
05111530000183	8	0169	-1	0	5.11	1	OK		4-ABP
05111530000184	8	0169	0	1	2.95	1	OK		4-ABP
05111530000185	8	0169	1	2	3.34	1	OK		4-ABP
05111530000186	8	0169	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000187	8	0169	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000188	8	0169	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000189	8	0169	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000190	8	0170	-1	0	9.70	1	OK		4-ABP
05111530000191	8	0170	0	1	5.46	1	OK		4-ABP
05111530000192	8	0170	1	2	2.18	1	OK		4-ABP
05111530000193	8	0170	2	3	1.91	1	OK		4-ABP
05111530000194	8	0170	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000195	8	0170	4	5	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000196	8	0170	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000197	8	0177	-1	0	20 8	1	OK		4-ABP
05111530000198	8	0177	0	1	17 0	1	OK		4-ABP
05111530000199	8	0177	1	2	5 03	1	OK		4-ABP
05111530000200	8	0177	2	3	2 45	1	OK		4-ABP
05111530000201	8	0177	3	4	2 04	1	OK		4-ABP
05111530000202	8	0177	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000203	8	0177	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000204	8	0183	-1	0	14 2	1	OK		4-ABP
05111530000205	8	0183	0	1	9 55	1	OK		4-ABP
05111530000206	8	0183	1	2	3 61	1	OK		4-ABP
05111530000207	8	0183	2	3	2 34	1	OK		4-ABP
05111530000208	8	0183	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000209	8	0183	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000210	8	0183	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000211	8	0185	-1	0	25 0	1	OK		4-ABP
05111530000212	8	0185	0	1	10 7	1	OK		4-ABP
05111530000213	8	0185	1	2	5 60	1	OK		4-ABP
05111530000214	8	0185	2	3	2 68	1	OK		4-ABP
05111530000215	8	0185	3	4	1 85	1	OK		4-ABP
05111530000216	8	0185	4	5	2 21	1	OK		4-ABP
05111530000217	8	0185	5	6	1 94	1	OK		4-ABP
05111530000218	8	0187	-1	0	15 5	1	OK		4-ABP
05111530000219	8	0187	0	1	8 49	1	OK		4-ABP
05111530000220	8	0187	1	2	7 58	1	OK		4-ABP
05111530000221	8	0187	2	3	10 2	1	OK		4-ABP
05111530000222	8	0187	3	4	25 3	1	OK		4-ABP
05111530000223	8	0187	4	5	12 7	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000224	8	0187	5	6	7.79	1	OK		4-ABP
05111530000225	8	0190	-1	0	9.93	1	OK		4-ABP
05111530000226	8	0190	0	1	9.04	1	OK		4-ABP
05111530000227	8	0190	1	2	4.58	1	OK		4-ABP
05111530000228	8	0190	2	3	2.15	1	OK		4-ABP
05111530000229	8	0190	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000230	8	0190	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000231	8	0190	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000232	8	0191	-1	0	4.94	1	OK		4-ABP
05111530000233	8	0191	0	1	3.77	1	OK		4-ABP
05111530000234	8	0191	1	2	3.60	1	OK		4-ABP
05111530000235	8	0191	2	3	4.25	1	OK		4-ABP
05111530000236	8	0191	3	4	4.91	1	OK		4-ABP
05111530000237	8	0191	4	5	4.25	1	OK		4-ABP
05111530000238	8	0191	5	6	2.87	1	OK		4-ABP
05111530000239	8	0192	-1	0	20.5	1	OK		4-ABP
05111530000240	8	0192	0	1	15.3	1	OK		4-ABP
05111530000241	8	0192	1	2	3.14	1	OK		4-ABP
05111530000242	8	0192	2	3	2.66	1	OK		4-ABP
05111530000243	8	0192	3	4	1.66	1	OK		4-ABP
05111530000244	8	0192	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000245	8	0192	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000246	8	0181	-1	0	31.2	1	OK		4-ABP
05111530000247	8	0181	0	1	20.2	1	OK		4-ABP
05111530000248	8	0181	1	2	7.09	1	OK		4-ABP
05111530000249	8	0181	2	3	2.89	1	OK		4-ABP
05111530000250	8	0181	3	4	2.78	1	OK		4-ABP
05111530000251	8	0181	4	5	2.06	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000252	8	0181	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000253	8	0189	-1	0	9.48	1	OK		4-ABP
05111530000254	8	0189	0	1	8.05	1	OK		4-ABP
05111530000255	8	0189	1	2	2.99	1	OK		4-ABP
05111530000256	8	0189	2	3	2.46	1	OK		4-ABP
05111530000257	15	0189	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000258	8	0189	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000259	8	0189	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000260	9	0193	-1	0	8.83	1	OK		4-ABP
05111530000261	9	0193	0	1	14.5	1	OK		4-ABP
05111530000262	9	0193	1	2	3.99	1	OK		4-ABP
05111530000263	9	0193	2	3	2.16	1	OK		4-ABP
05111530000264	9	0193	3	4	1.88	1	OK		4-ABP
05111530000265	9	0193	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000266	9	0193	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000267	9	0195	-1	0	6.82	1	OK		4-ABP
05111530000268	9	0195	0	1	6.88	1	OK		4-ABP
05111530000269	9	0195	1	2	2.70	1	OK		4-ABP
05111530000270	9	0195	2	3	1.99	1	OK		4-ABP
05111530000271	9	0195	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000272	9	0195	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000273	9	0195	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000274	9	0196	-1	0	2.53	1	OK		4-ABP
05111530000275	9	0196	0	1	2.59	1	OK		4-ABP
05111530000276	9	0196	1	2	BLQ<(1.50)	1	OK		4-ABP
05111530000277	9	0196	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000278	9	0196	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000279	9	0196	4	5	BLQ<(1.50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000280	9	0196	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000281	9	0197	-1	0	12.2	1	OK		4-ABP
05111530000282	9	0197	0	1	21.2	1	OK		4-ABP
05111530000283	9	0197	1	2	9.04	1	OK		4-ABP
05111530000284	9	0197	2	3	6.04	1	OK		4-ABP
05111530000285	9	0197	3	4	3.01	1	OK		4-ABP
05111530000286	9	0197	4	5	4.11	1	OK		4-ABP
05111530000287	9	0197	5	6	1.79	1	OK		4-ABP
05111530000288	9	0198	-1	0	10.2	1	OK		4-ABP
05111530000289	9	0198	0	1	18.2	1	OK		4-ABP
05111530000290	9	0198	1	2	10.6	1	OK		4-ABP
05111530000291	9	0198	2	3	17.0	1	OK		4-ABP
05111530000292	9	0198	3	4	17.7	1	OK		4-ABP
05111530000293	9	0198	4	5	17.4	1	OK		4-ABP
05111530000294	9	0198	5	6	11.5	1	OK		4-ABP
05111530000295	9	0200	-1	0	4.96	1	OK		4-ABP
05111530000296	9	0200	0	1	6.48	1	OK		4-ABP
05111530000297	9	0200	1	2	5.21	1	OK		4-ABP
05111530000298	9	0200	2	3	4.65	1	OK		4-ABP
05111530000299	9	0200	3	4	5.34	1	OK		4-ABP
05111530000300	9	0200	4	5	5.44	1	OK		4-ABP
05111530000301	9	0200	5	6	2.96	1	OK		4-ABP
05111530000302	9	0202	-1	0	6.65	1	OK		4-ABP
05111530000303	9	0202	0	1	7.83	1	OK		4-ABP
05111530000304	9	0202	1	2	3.18	1	OK		4-ABP
05111530000305	9	0202	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000306	9	0202	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000307	9	0202	4	5	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000308	9	0202	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000309	9	0203	-1	0	5.73	1	OK		4-ABP
05111530000310	9	0203	0	1	6.20	1	OK		4-ABP
05111530000311	9	0203	1	2	2.09	1	OK		4-ABP
05111530000312	9	0203	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000313	9	0203	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000314	9	0203	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000315	9	0203	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000316	9	0204	-1	0	2.40	1	OK		4-ABP
05111530000317	9	0204	0	1	3.36	1	OK		4-ABP
05111530000318	9	0204	1	2	3.55	1	OK		4-ABP
05111530000319	9	0204	2	3	3.38	1	OK		4-ABP
05111530000320	9	0204	3	4	4.48	1	OK		4-ABP
05111530000321	9	0204	4	5	3.88	1	OK		4-ABP
05111530000322	9	0204	5	6	3.09	1	OK		4-ABP
05111530000323	9	0206	-1	0	8.70	1	OK		4-ABP
05111530000324	9	0206	0	1	13.1	1	OK		4-ABP
05111530000325	9	0206	1	2	4.73	1	OK		4-ABP
05111530000326	9	0206	2	3	2.19	1	OK		4-ABP
05111530000327	9	0206	3	4	1.81	1	OK		4-ABP
05111530000328	9	0206	4	5	1.61	1	OK		4-ABP
05111530000329	9	0206	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000330	9	0210	-1	0	11.5	1	OK		4-ABP
05111530000331	9	0210	0	1	8.39	1	OK		4-ABP
05111530000332	9	0210	1	2	2.62	1	OK		4-ABP
05111530000333	9	0210	2	3	2.31	1	OK		4-ABP
05111530000334	9	0210	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000335	9	0210	4	5	1.59	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000336	9	0210	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000337		0211	-1	0		1	Other	Analysis not required	4-ABP
05111530000338		0211	0	1		1	Other	Analysis not required	4-ABP
05111530000344	9	0216	-1	0	11.1	1	OK		4-ABP
05111530000345	9	0216	0	1	15.2	1	OK		4-ABP
05111530000346	9	0216	1	2	5.13	1	OK		4-ABP
05111530000347	9	0216	2	3	2.49	1	OK		4-ABP
05111530000348	9	0216	3	4	1.71	1	OK		4-ABP
05111530000349	9	0216	4	5	1.53	1	OK		4-ABP
05111530000350	9	0216	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000351	10	0218	-1	0	4.92	1	OK		4-ABP
05111530000352	10	0218	0	1	10.2	1	OK		4-ABP
05111530000353	10	0218	1	2	2.47	1	OK		4-ABP
05111530000354	10	0218	2	3	1.63	1	OK		4-ABP
05111530000355	10	0218	3	4	1.57	1	OK		4-ABP
05111530000356	10	0218	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000357	10	0218	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000358	10	0220	-1	0	5.10	1	OK		4-ABP
05111530000359	10	0220	0	1	5.65	1	OK		4-ABP
05111530000360	10	0220	1	2	1.93	1	OK		4-ABP
05111530000361	10	0220	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000362	10	0220	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000363	10	0220	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000364	10	0220	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000365	10	0224	-1	0	7.16	1	OK		4-ABP
05111530000366	10	0224	0	1	9.20	1	OK		4-ABP
05111530000367	10	0224	1	2	5.59	1	OK		4-ABP
05111530000368	10	0224	2	3	7.52	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000369	10	0224	3	4	8.17	1	OK		4-ABP
05111530000370	10	0224	4	5	8.25	1	OK		4-ABP
05111530000371	10	0224	5	6	5.38	1	OK		4-ABP
05111530000372	10	0228	-1	0	10.0	1	OK		4-ABP
05111530000373	10	0228	0	1	15.1	1	OK		4-ABP
05111530000374	10	0228	1	2	4.45	1	OK		4-ABP
05111530000375	10	0228	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000376	10	0228	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000377	10	0228	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000378	22	0228	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000379	10	0229	-1	0	5.58	1	OK		4-ABP
05111530000380	10	0229	0	1	4.70	1	OK		4-ABP
05111530000381	10	0229	1	2	7.23	1	OK		4-ABP
05111530000382	10	0229	2	3	6.05	1	OK		4-ABP
05111530000383	10	0229	3	4	6.96	1	OK		4-ABP
05111530000384	10	0229	4	5	8.06	1	OK		4-ABP
05111530000385	10	0229	5	6	4.12	1	OK		4-ABP
05111530000386	10	0230	-1	0	5.17	1	OK		4-ABP
05111530000387	10	0230	0	1	10.2	1	OK		4-ABP
05111530000388	10	0230	1	2	7.19	1	OK		4-ABP
05111530000389	10	0230	2	3	6.70	1	OK		4-ABP
05111530000390	10	0230	3	4	6.35	1	OK		4-ABP
05111530000391	10	0230	4	5	6.42	1	OK		4-ABP
05111530000392	10	0230	5	6	4.70	1	OK		4-ABP
05111530000393	10	0232	-1	0	4.52	1	OK		4-ABP
05111530000394	10	0232	0	1	3.31	1	OK		4-ABP
05111530000395	10	0232	1	2	BLQ<(1.50)	1	OK		4-ABP
05111530000396	10	0232	2	3	BLQ<(1.50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000397	10	0232	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000398	10	0232	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000399	10	0232	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000400	10	0234	-1	0	6 51	1	OK		4-ABP
05111530000401	10	0234	0	1	9 93	1	OK		4-ABP
05111530000402	10	0234	1	2	2 32	1	OK		4-ABP
05111530000403	10	0234	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000404	10	0234	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000405	10	0234	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000406	10	0234	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000407	10	0240	-1	0	15 3	1	OK		4-ABP
05111530000408	10	0240	0	1	13 0	1	OK		4-ABP
05111530000409	10	0240	1	2	4 08	1	OK		4-ABP
05111530000410	10	0240	2	3	2 17	1	OK		4-ABP
05111530000411	22	0240	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000412	10	0240	4	5	1 61	1	OK		4-ABP
05111530000413	10	0240	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000414	10	0241	-1	0	9 85	1	OK		4-ABP
05111530000415	10	0241	0	1	11 3	1	OK		4-ABP
05111530000416	10	0241	1	2	4 11	1	OK		4-ABP
05111530000417	10	0241	2	3	1 74	1	OK		4-ABP
05111530000418	10	0241	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000419	10	0241	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000420	10	0241	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000421		0242	-1	0		1	Other	Analysis not required	4-ABP
05111530000422		0242	0	1		1	Other	Analysis not required	4-ABP
05111530000428	10	0244	-1	0	14 9	1	OK		4-ABP
05111530000429	10	0244	0	1	7 49	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000430	10	0244	1	2	2.93	1	OK		4-ABP
05111530000431	10	0244	2	3	2.16	1	OK		4-ABP
05111530000432	10	0244	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000433	10	0244	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000434	10	0244	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000435		0245	-1	0		1	Other	Analysis not required	4-ABP
05111530000436		0245	0	1		1	Other	Analysis not required	4-ABP
05111530000442		0247	-1	0		1	Other	Analysis not required	4-ABP
05111530000443		0247	0	1		1	Other	Analysis not required	4-ABP
05111530000449	10	0249	-1	0	28.2	1	OK		4-ABP
05111530000450	10	0249	0	1	24.5	1	OK		4-ABP
05111530000451	10	0249	1	2	8.42	1	OK		4-ABP
05111530000452	10	0249	2	3	5.34	1	OK		4-ABP
05111530000453	10	0249	3	4	5.89	1	OK		4-ABP
05111530000454	10	0249	4	5	3.10	1	OK		4-ABP
05111530000455	10	0249	5	6	2.86	1	OK		4-ABP
05111530000456	11	0251	-1	0	5.93	1	OK		4-ABP
05111530000457	19	0251	0	1	4.65	1	OK		4-ABP
05111530000458	11	0251	1	2	1.81	1	OK		4-ABP
05111530000459	11	0251	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000460	11	0251	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000461	11	0251	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000462	11	0251	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000463	11	0252	-1	0	7.96	1	OK		4-ABP
05111530000464	11	0252	0	1	8.79	1	OK		4-ABP
05111530000465	19	0252	1	2	3.02	1	OK		4-ABP
05111530000466	11	0252	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000467	11	0252	3	4	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000468	11	0252	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000469	11	0252	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000470	11	0255	-1	0	12 2	1	OK		4-ABP
05111530000471	11	0255	0	1	10 5	1	OK		4-ABP
05111530000472	11	0255	1	2	3 01	1	OK		4-ABP
05111530000473	11	0255	2	3	2 20	1	OK		4-ABP
05111530000474	11	0255	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000475	11	0255	4	5	1 56	1	OK		4-ABP
05111530000476	11	0255	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000477	11	0256	-1	0	10 3	1	OK		4-ABP
05111530000478	11	0256	0	1	11 4	1	OK		4-ABP
05111530000479	11	0256	1	2	2 88	1	OK		4-ABP
05111530000480	11	0256	2	3	1 71	1	OK		4-ABP
05111530000481	11	0256	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000482	11	0256	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000483	11	0256	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000484	11	0262	-1	0	4 18	1	OK		4-ABP
05111530000485	11	0262	0	1	7 47	1	OK		4-ABP
05111530000486	11	0262	1	2	7 52	1	OK		4-ABP
05111530000487	11	0262	2	3	6 37	1	OK		4-ABP
05111530000488	11	0262	3	4	9 47	1	OK		4-ABP
05111530000489	11	0262	4	5	8 85	1	OK		4-ABP
05111530000490	11	0262	5	6	3 26	1	OK		4-ABP
05111530000491	11	0264	-1	0	2 63	1	OK		4-ABP
05111530000492	11	0264	0	1	2 56	1	OK		4-ABP
05111530000493	11	0264	1	2	1 58	1	OK		4-ABP
05111530000494	11	0264	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000495	11	0264	3	4	BLQ<(1 50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000496	11	0264	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000497	11	0264	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000498	11	0265	-1	0	16.8	1	OK		4-ABP
05111530000499	11	0265	0	1	15.9	1	OK		4-ABP
05111530000500	11	0265	1	2	6.47	1	OK		4-ABP
05111530000501	11	0265	2	3	3.00	1	OK		4-ABP
05111530000502	11	0265	3	4	3.34	1	OK		4-ABP
05111530000503	11	0265	4	5	2.09	1	OK		4-ABP
05111530000504	11	0265	5	6	1.61	1	OK		4-ABP
05111530000505	11	0266	-1	0	13.4	1	OK		4-ABP
05111530000506	11	0266	0	1	10.2	1	OK		4-ABP
05111530000507	11	0266	1	2	3.77	1	OK		4-ABP
05111530000508	11	0266	2	3	1.60	1	OK		4-ABP
05111530000509	11	0266	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000510	11	0266	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000511	11	0266	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000512		0269	-1	0		1	Other	Analysis not required	4-ABP
05111530000513		0269	0	1		1	Other	Analysis not required	4-ABP
05111530000519	11	0272	-1	0	21.5	1	OK		4-ABP
05111530000520	11	0272	0	1	13.3	1	OK		4-ABP
05111530000521	11	0272	1	2	7.20	1	OK		4-ABP
05111530000522	11	0272	2	3	3.97	1	OK		4-ABP
05111530000523	11	0272	3	4	3.46	1	OK		4-ABP
05111530000524	11	0272	4	5	1.68	1	OK		4-ABP
05111530000525	11	0272	5	6	2.42	1	OK		4-ABP
05111530000526	11	0273	-1	0	10.3	1	OK		4-ABP
05111530000527	11	0273	0	1	11.0	1	OK		4-ABP
05111530000528	11	0273	1	2	3.62	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000529	11	0273	2	3	1 69	1	OK		4-ABP
05111530000530	11	0273	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000531	11	0273	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000532	11	0273	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000533	11	0276	-1	0	3 19	1	OK		4-ABP
05111530000534	19	0276	0	1	3 76	1	OK		4-ABP
05111530000535	19	0276	1	2	2 26	1	OK		4-ABP
05111530000536	11	0276	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000537	11	0276	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000538	19	0276	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000539	11	0276	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000540	11	0277	-1	0	9 42	1	OK		4-ABP
05111530000541	11	0277	0	1	9 32	1	OK		4-ABP
05111530000542	11	0277	1	2	4 53	1	OK		4-ABP
05111530000543	11	0277	2	3	2 60	1	OK		4-ABP
05111530000544	19	0277	3	4	2 78	1	OK		4-ABP
05111530000545	11	0277	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000546	11	0277	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000547	12	0278	-1	0	13 0	1	OK		4-ABP
05111530000548	12	0278	0	1	11 9	1	OK		4-ABP
05111530000549	22	0278	1	2	14 5	1	OK		4-ABP
05111530000550	12	0278	2	3	17 2	1	OK		4-ABP
05111530000551	12	0278	3	4	17 0	1	OK		4-ABP
05111530000552	12	0278	4	5	12 7	1	OK		4-ABP
05111530000553	12	0278	5	6	9 46	1	OK		4-ABP
05111530000554	12	0279	-1	0	22 0	1	OK		4-ABP
05111530000555	12	0279	0	1	11 8	1	OK		4-ABP
05111530000556	12	0279	1	2	5 06	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000557	12	0279	2	3	2.94	1	OK		4-ABP
05111530000558	12	0279	3	4	2.56	1	OK		4-ABP
05111530000559	12	0279	4	5	1.52	1	OK		4-ABP
05111530000560	12	0279	5	6	1.98	1	OK		4-ABP
05111530000561	12	0281	-1	0	36.1	1	OK		4-ABP
05111530000562	12	0281	0	1	24.3	1	OK		4-ABP
05111530000563	12	0281	1	2	9.69	1	OK		4-ABP
05111530000564	12	0281	2	3	5.09	1	OK		4-ABP
05111530000565	12	0281	3	4	4.89	1	OK		4-ABP
05111530000566	12	0281	4	5	3.53	1	OK		4-ABP
05111530000567	12	0281	5	6	4.27	1	OK		4-ABP
05111530000568	12	0282	-1	0	9.56	1	OK		4-ABP
05111530000569	12	0282	0	1	10.7	1	OK		4-ABP
05111530000570	12	0282	1	2	5.06	1	OK		4-ABP
05111530000571	12	0282	2	3	2.63	1	OK		4-ABP
05111530000572	12	0282	3	4	1.68	1	OK		4-ABP
05111530000573	12	0282	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000574	12	0282	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000575	12	0283	-1	0	7.89	1	OK		4-ABP
05111530000576	12	0283	0	1	5.21	1	OK		4-ABP
05111530000577	12	0283	1	2	3.96	1	OK		4-ABP
05111530000578	12	0283	2	3	4.54	1	OK		4-ABP
05111530000579	12	0283	3	4	3.68	1	OK		4-ABP
05111530000580	12	0283	4	5	3.24	1	OK		4-ABP
05111530000581	12	0283	5	6	2.08	1	OK		4-ABP
05111530000582	12	0285	-1	0	12.9	1	OK		4-ABP
05111530000583	12	0285	0	1	20.8	1	OK		4-ABP
05111530000584	12	0285	1	2	19.0	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000585	12	0285	2	3	24.6	1	OK		4-ABP
05111530000586	12	0285	3	4	19.5	1	OK		4-ABP
05111530000587	12	0285	4	5	12.9	1	OK		4-ABP
05111530000588	12	0285	5	6	18.6	1	OK		4-ABP
05111530000589	12	0287	-1	0	13.3	1	OK		4-ABP
05111530000590	12	0287	0	1	10.3	1	OK		4-ABP
05111530000591	12	0287	1	2	5.36	1	OK		4-ABP
05111530000592	12	0287	2	3	2.20	1	OK		4-ABP
05111530000593	12	0287	3	4	2.19	1	OK		4-ABP
05111530000594	12	0287	4	5	1.87	1	OK		4-ABP
05111530000595	12	0287	5	6	1.93	1	OK		4-ABP
05111530000596		0288	-1	0		1	Other	Analysis not required	4-ABP
05111530000597		0288	0	1		1	Other	Analysis not required	4-ABP
05111530000603	12	0289	-1	0	8.48	1	OK		4-ABP
05111530000604	12	0289	0	1	8.13	1	OK		4-ABP
05111530000605	12	0289	1	2	5.13	1	OK		4-ABP
05111530000606	12	0289	2	3	2.35	1	OK		4-ABP
05111530000607	12	0289	3	4	1.51	1	OK		4-ABP
05111530000608	12	0289	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000609	12	0289	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000610	12	0291	-1	0	11.0	1	OK		4-ABP
05111530000611	12	0291	0	1	7.19	1	OK		4-ABP
05111530000612	12	0291	1	2	2.72	1	OK		4-ABP
05111530000613	12	0291	2	3	2.09	1	OK		4-ABP
05111530000614	12	0291	3	4	1.95	1	OK		4-ABP
05111530000615	12	0291	4	5	1.80	1	OK		4-ABP
05111530000616	12	0291	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000617	12	0292	-1	0	10.4	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000618	12	0292	0	1	15.8	1	OK		4-ABP
05111530000619	22	0292	1	2	7.80	1	OK		4-ABP
05111530000620	12	0292	2	3	2.74	1	OK		4-ABP
05111530000621	12	0292	3	4	2.79	1	OK		4-ABP
05111530000622	12	0292	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000623	12	0292	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000624	12	0296	-1	0	12.4	1	OK		4-ABP
05111530000625	22	0296	0	1	11.4	1	OK		4-ABP
05111530000626	12	0296	1	2	4.26	1	OK		4-ABP
05111530000627	12	0296	2	3	2.88	1	OK		4-ABP
05111530000628	22	0296	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000629	12	0296	4	5	1.70	1	OK		4-ABP
05111530000630	22	0296	5	6	1.69	1	OK		4-ABP
05111530000631	12	0298	-1	0	12.5	1	OK		4-ABP
05111530000632	12	0298	0	1	14.5	1	OK		4-ABP
05111530000633	12	0298	1	2	18.4	1	OK		4-ABP
05111530000634	12	0298	2	3	12.3	1	OK		4-ABP
05111530000635	12	0298	3	4	9.92	1	OK		4-ABP
05111530000636	12	0298	4	5	8.81	1	OK		4-ABP
05111530000637	12	0298	5	6	11.9	1	OK		4-ABP
05111530000638		0299	-1	0		1	Other	Analysis not required	4-ABP
05111530000639		0299	0	1		1	Other	Analysis not required	4-ABP
05111530000645	13	0300	-1	0	2.68	1	OK		4-ABP
05111530000646	13	0300	0	1	2.76	1	OK		4-ABP
05111530000647	13	0300	1	2	BLQ<(1.50)	1	OK		4-ABP
05111530000648	13	0300	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000649	13	0300	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000650	13	0300	4	5	BLQ<(1.50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000651	13	0300	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000652	13	0301	-1	0	10.1	1	OK		4-ABP
05111530000653	13	0301	0	1	13.3	1	OK		4-ABP
05111530000654	13	0301	1	2	3.40	1	OK		4-ABP
05111530000655	13	0301	2	3	2.00	1	OK		4-ABP
05111530000656	13	0301	3	4	2.15	1	OK		4-ABP
05111530000657	13	0301	4	5	1.59	1	OK		4-ABP
05111530000658	13	0301	5	6	1.66	1	OK		4-ABP
05111530000659	13	0306	-1	0	15.1	1	OK		4-ABP
05111530000660	13	0306	0	1	16.6	1	OK		4-ABP
05111530000661	13	0306	1	2	4.91	1	OK		4-ABP
05111530000662	13	0306	2	3	2.18	1	OK		4-ABP
05111530000663	13	0306	3	4	1.81	1	OK		4-ABP
05111530000664	13	0306	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000665	13	0306	5	6	1.93	1	OK		4-ABP
05111530000666	13	0307	-1	0	12.4	1	OK		4-ABP
05111530000667	13	0307	0	1	11.5	1	OK		4-ABP
05111530000668	13	0307	1	2	6.62	1	OK		4-ABP
05111530000669	13	0307	2	3	2.75	1	OK		4-ABP
05111530000670	13	0307	3	4	2.71	1	OK		4-ABP
05111530000671	13	0307	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000672	13	0307	5	6	1.70	1	OK		4-ABP
05111530000673	13	0308	-1	0	12.5	1	OK		4-ABP
05111530000674	13	0308	0	1	15.3	1	OK		4-ABP
05111530000675	13	0308	1	2	5.34	1	OK		4-ABP
05111530000676	13	0308	2	3	2.51	1	OK		4-ABP
05111530000677	13	0308	3	4	2.02	1	OK		4-ABP
05111530000678	13	0308	4	5	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000679	13	0308	5	6	2.38	1	OK		4-ABP
05111530000680		0309	-1	0		1	Other	Analysis not required	4-ABP
05111530000681		0309	0	1		1	Other	Analysis not required	4-ABP
05111530000687		0312	-1	0		1	Other	Analysis not required	4-ABP
05111530000688		0312	0	1		1	Other	Analysis not required	4-ABP
05111530000694	2	0025	-1	0	5.71	1	OK		4-ABP
05111530000695	2	0025	0	1	8.72	1	OK		4-ABP
05111530000696	2	0025	1	2	7.05	1	OK		4-ABP
05111530000697	2	0025	2	3	6.98	1	OK		4-ABP
05111530000698	2	0025	3	4	5.87	1	OK		4-ABP
05111530000699	2	0025	4	5	6.62	1	OK		4-ABP
05111530000700	2	0025	5	6	3.71	1	OK		4-ABP
05111530000701	2	0028	-1	0	8.67	1	OK		4-ABP
05111530000702	2	0028	0	1	5.58	1	OK		4-ABP
05111530000703	2	0028	1	2	2.84	1	OK		4-ABP
05111530000704	2	0028	2	3	2.96	1	OK		4-ABP
05111530000705	2	0028	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000706	2	0028	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000707	2	0028	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000715	1	0001	-1	0	3.93	1	OK		4-ABP
05111530000716	1	0001	0	1	4.96	1	OK		4-ABP
05111530000717	1	0001	1	2	2.23	1	OK		4-ABP
05111530000718	1	0001	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000719	1	0001	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000720	1	0001	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000721	1	0001	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000722	1	0004	-1	0	9.15	1	OK		4-ABP
05111530000723	1	0004	0	1	7.85	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000724	1	0004	1	2	3.13	1	OK		4-ABP
05111530000725	1	0004	2	3	1.65	1	OK		4-ABP
05111530000726	1	0004	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000727	1	0004	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000728	1	0004	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000729	1	0013	-1	0	12.4	1	OK		4-ABP
05111530000730	1	0013	0	1	17.8	1	OK		4-ABP
05111530000731	1	0013	1	2	5.12	1	OK		4-ABP
05111530000732	1	0013	2	3	1.70	1	OK		4-ABP
05111530000733	1	0013	3	4	1.55	1	OK		4-ABP
05111530000734	1	0013	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000735	15	0013	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000736	1	0021	-1	0	6.77	1	OK		4-ABP
05111530000737	1	0021	0	1	9.41	1	OK		4-ABP
05111530000738	1	0021	1	2	3.85	1	OK		4-ABP
05111530000739	1	0021	2	3	10.8	1	OK		4-ABP
05111530000740	1	0021	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000741	1	0021	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000742	1	0021	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000743	2	0037	-1	0	18.9	1	OK		4-ABP
05111530000744	2	0037	0	1	12.1	1	OK		4-ABP
05111530000745	2	0037	1	2	10.0	1	OK		4-ABP
05111530000746	2	0037	2	3	11.5	1	OK		4-ABP
05111530000747	2	0037	3	4	9.11	1	OK		4-ABP
05111530000748	2	0037	4	5	12.0	1	OK		4-ABP
05111530000749	2	0037	5	6	10.7	1	OK		4-ABP
05111530000750	3	0042	-1	0	13.2	1	OK		4-ABP
05111530000751	3	0042	0	1	15.2	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000752	3	0042	1	2	11.1	1	OK		4-ABP
05111530000753	3	0042	2	3	2.38	1	OK		4-ABP
05111530000754	3	0042	3	4	25.7	1	OK		4-ABP
05111530000755	3	0042	4	5	11.3	1	OK		4-ABP
05111530000756	3	0042	5	6	10.6	1	OK		4-ABP
05111530000757	3	0051	-1	0	4.23	1	OK		4-ABP
05111530000758	3	0051	0	1	3.46	1	OK		4-ABP
05111530000759	3	0051	1	2	1.73	1	OK		4-ABP
05111530000760	3	0051	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000761	3	0051	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000762	3	0051	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000763	3	0051	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000764	3	0063	-1	0	13.4	1	OK		4-ABP
05111530000765	3	0063	0	1	13.4	1	OK		4-ABP
05111530000766	3	0063	1	2	7.45	1	OK		4-ABP
05111530000767	3	0063	2	3	2.10	1	OK		4-ABP
05111530000768	3	0063	3	4	1.87	1	OK		4-ABP
05111530000769	3	0063	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000770	3	0063	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000771	4	0066	-1	0	4.23	1	OK		4-ABP
05111530000772	4	0066	0	1	6.04	1	OK		4-ABP
05111530000773	4	0066	1	2	1.82	1	OK		4-ABP
05111530000774	4	0066	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000775	4	0066	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000776	4	0066	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000777	4	0066	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000778	4	0067	-1	0	5.32	1	OK		4-ABP
05111530000779	4	0067	0	1	8.11	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000780	4	0067	1	2	5.52	1	OK		4-ABP
05111530000781	4	0067	2	3	6.13	1	OK		4-ABP
05111530000782	4	0067	3	4	4.35	1	OK		4-ABP
05111530000783	4	0067	4	5	3.92	1	OK		4-ABP
05111530000784	4	0067	5	6	4.40	1	OK		4-ABP
05111530000785	4	0069	-1	0	8.73	1	OK		4-ABP
05111530000786	4	0069	0	1	8.21	1	OK		4-ABP
05111530000787	4	0069	1	2	3.41	1	OK		4-ABP
05111530000788	4	0069	2	3	1.72	1	OK		4-ABP
05111530000789	4	0069	3	4	1.85	1	OK		4-ABP
05111530000790	4	0069	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000791	4	0069	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000792	4	0071	-1	0	20.6	1	OK		4-ABP
05111530000793	4	0071	0	1	15.1	1	OK		4-ABP
05111530000794	4	0071	1	2	6.11	1	OK		4-ABP
05111530000795	4	0071	2	3	2.49	1	OK		4-ABP
05111530000796	4	0071	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000797	4	0071	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000798	4	0071	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000799	4	0072	-1	0	7.68	1	OK		4-ABP
05111530000800	4	0072	0	1	9.29	1	OK		4-ABP
05111530000801	4	0072	1	2	5.72	1	OK		4-ABP
05111530000802	4	0072	2	3	6.92	1	OK		4-ABP
05111530000803	4	0072	3	4	13.0	1	OK		4-ABP
05111530000804	4	0072	4	5	5.58	1	OK		4-ABP
05111530000805	4	0072	5	6	6.48	1	OK		4-ABP
05111530000806	4	0074	-1	0	15.8	1	OK		4-ABP
05111530000807	4	0074	0	1	15.9	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000808	4	0074	1	2	4.93	1	OK		4-ABP
05111530000809	4	0074	2	3	2.68	1	OK		4-ABP
05111530000810	4	0074	3	4	1.77	1	OK		4-ABP
05111530000811	4	0074	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000812	4	0074	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000813	4	0076	-1	0	5.57	1	OK		4-ABP
05111530000814	4	0076	0	1	4.08	1	OK		4-ABP
05111530000815	4	0076	1	2	4.48	1	OK		4-ABP
05111530000816	4	0076	2	3	2.01	1	OK		4-ABP
05111530000817	4	0076	3	4	1.86	1	OK		4-ABP
05111530000818	4	0076	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000819	4	0076	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000820	4	0080	-1	0	12.7	1	OK		4-ABP
05111530000821	4	0080	0	1	12.5	1	OK		4-ABP
05111530000822	4	0080	1	2	8.55	1	OK		4-ABP
05111530000823	4	0080	2	3	12.9	1	OK		4-ABP
05111530000824	4	0080	3	4	1.87	1	OK		4-ABP
05111530000825	4	0080	4	5	4.74	1	OK		4-ABP
05111530000826	4	0080	5	6	7.07	1	OK		4-ABP
05111530000827	4	0083	-1	0	12.1	1	OK		4-ABP
05111530000828	4	0083	0	1	7.81	1	OK		4-ABP
05111530000829	4	0083	1	2	5.57	1	OK		4-ABP
05111530000830	4	0083	2	3	1.86	1	OK		4-ABP
05111530000831	4	0083	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000832	4	0083	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000833	4	0083	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000834	4	0085	-1	0	4.38	1	OK		4-ABP
05111530000835	4	0085	0	1	6.06	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000836	4	0085	1	2	2.91	1	OK		4-ABP
05111530000837	4	0085	2	3	1.70	1	OK		4-ABP
05111530000841	4	0086	-1	0	11.7	1	OK		4-ABP
05111530000842	4	0086	0	1	10.9	1	OK		4-ABP
05111530000843	4	0086	1	2	6.25	1	OK		4-ABP
05111530000844	4	0086	2	3	3.04	1	OK		4-ABP
05111530000845	4	0086	3	4	2.61	1	OK		4-ABP
05111530000846	4	0086	4	5	1.98	1	OK		4-ABP
05111530000847	4	0086	5	6	2.56	1	OK		4-ABP
05111530000848	4	0087	-1	0	19.9	1	OK		4-ABP
05111530000849	4	0087	0	1	12.4	1	OK		4-ABP
05111530000850	4	0087	1	2	11.6	1	OK		4-ABP
05111530000851	4	0087	2	3	10.9	1	OK		4-ABP
05111530000852	4	0087	3	4	10.9	1	OK		4-ABP
05111530000853	4	0087	4	5	8.79	1	OK		4-ABP
05111530000854	4	0087	5	6	4.15	1	OK		4-ABP
05111530000855	4	0088	-1	0	8.43	1	OK		4-ABP
05111530000856	4	0088	0	1	6.95	1	OK		4-ABP
05111530000857	4	0088	1	2	4.81	1	OK		4-ABP
05111530000858	4	0088	2	3	1.56	1	OK		4-ABP
05111530000859	4	0088	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000860	4	0088	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000861	4	0088	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000862	5	0090	-1	0	5.92	1	OK		4-ABP
05111530000863	5	0090	0	1	5.50	1	OK		4-ABP
05111530000864	5	0090	1	2	2.68	1	OK		4-ABP
05111530000865	5	0090	2	3	1.56	1	OK		4-ABP
05111530000866	5	0090	3	4	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000867	5	0090	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000868	5	0090	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000869	5	0093	-1	0	10 6	1	OK		4-ABP
05111530000870	5	0093	0	1	9 94	1	OK		4-ABP
05111530000871	5	0093	1	2	3 49	1	OK		4-ABP
05111530000872	5	0093	2	3	1 79	1	OK		4-ABP
05111530000873	5	0093	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000874	5	0093	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000875	5	0093	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000876	5	0104	-1	0	4 07	1	OK		4-ABP
05111530000877	5	0104	0	1	5 04	1	OK		4-ABP
05111530000878	5	0104	1	2	BLQ<(1 50)	1	OK		4-ABP
05111530000879	5	0104	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000880	5	0104	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000881	5	0104	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000882	5	0104	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000883	5	0105	-1	0	12 6	1	OK		4-ABP
05111530000884	5	0105	0	1	13 0	1	OK		4-ABP
05111530000885	5	0105	1	2	12 4	1	OK		4-ABP
05111530000886	5	0105	2	3	14 0	1	OK		4-ABP
05111530000887	5	0105	3	4	10 4	1	OK		4-ABP
05111530000888	5	0105	4	5	7 87	1	OK		4-ABP
05111530000889	5	0105	5	6	4 77	1	OK		4-ABP
05111530000890	5	0106	-1	0	3 86	1	OK		4-ABP
05111530000891	5	0106	0	1	6 15	1	OK		4-ABP
05111530000892	5	0106	1	2	1 81	1	OK		4-ABP
05111530000893	5	0106	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000894	5	0106	3	4	BLQ<(1 50)	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000895	5	0106	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000896	5	0106	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000897	5	0107	-1	0	14 5	1	OK		4-ABP
05111530000898	5	0107	0	1	12 0	1	OK		4-ABP
05111530000899	5	0107	1	2	5 56	1	OK		4-ABP
05111530000900	5	0107	2	3	2 36	1	OK		4-ABP
05111530000901	5	0107	3	4	8 39	1	OK		4-ABP
05111530000902	5	0107	4	5	1 51	1	OK		4-ABP
05111530000903	5	0107	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000904	5	0110	-1	0	11 3	1	OK		4-ABP
05111530000905	5	0110	0	1	8 85	1	OK		4-ABP
05111530000906	5	0110	1	2	5 48	1	OK		4-ABP
05111530000907	5	0110	2	3	4 10	1	OK		4-ABP
05111530000908	5	0110	3	4	2 42	1	OK		4-ABP
05111530000909	5	0110	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000910	5	0110	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000911	5	0112	-1	0	13 1	1	OK		4-ABP
05111530000912	5	0112	0	1	10 4	1	OK		4-ABP
05111530000913	5	0112	1	2	4 50	1	OK		4-ABP
05111530000914	5	0112	2	3	2 14	1	OK		4-ABP
05111530000915	5	0112	3	4	1 65	1	OK		4-ABP
05111530000916	5	0112	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000917	5	0112	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000918	5	0114	-1	0	5 91	1	OK		4-ABP
05111530000919	5	0114	0	1	9 58	1	OK		4-ABP
05111530000920	5	0114	1	2	4 73	1	OK		4-ABP
05111530000921	5	0114	2	3	2 28	1	OK		4-ABP
05111530000922	5	0114	3	4	BLQ<(1 50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000923	5	0114	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000924	5	0114	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000925	5	0117	-1	0	6.86	1	OK		4-ABP
05111530000926	5	0117	0	1	7.18	1	OK		4-ABP
05111530000927	5	0117	1	2	8.43	1	OK		4-ABP
05111530000928	5	0117	2	3	10.2	1	OK		4-ABP
05111530000929	5	0117	3	4	7.68	1	OK		4-ABP
05111530000930	5	0117	4	5	7.11	1	OK		4-ABP
05111530000931	5	0117	5	6	3.48	1	OK		4-ABP
05111530000932	5	0118	-1	0	22.2	1	OK		4-ABP
05111530000933	5	0118	0	1	18.5	1	OK		4-ABP
05111530000934	5	0118	1	2	14.5	1	OK		4-ABP
05111530000935	5	0118	2	3	17.2	1	OK		4-ABP
05111530000936	5	0118	3	4	23.7	1	OK		4-ABP
05111530000937	5	0118	4	5	16.7	1	OK		4-ABP
05111530000938	5	0118	5	6	14.3	1	OK		4-ABP
05111530000939	5	0121	-1	0	4.41	1	OK		4-ABP
05111530000940	5	0121	0	1	6.19	1	OK		4-ABP
05111530000941	5	0121	1	2	3.52	1	OK		4-ABP
05111530000942	5	0121	2	3	3.49	1	OK		4-ABP
05111530000943	5	0121	3	4	3.45	1	OK		4-ABP
05111530000944	5	0121	4	5	2.88	1	OK		4-ABP
05111530000945	5	0121	5	6	2.66	1	OK		4-ABP
05111530000946	6	0122	-1	0	11.5	1	OK		4-ABP
05111530000947	6	0122	0	1	6.42	1	OK		4-ABP
05111530000948	6	0122	1	2	2.27	1	OK		4-ABP
05111530000949	6	0122	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000950	6	0122	3	4	BLQ<(1.50)	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000951	6	0122	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000952	6	0122	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000953	6	0123	-1	0	3.52	1	OK		4-ABP
05111530000954	6	0123	0	1	4.87	1	OK		4-ABP
05111530000955	6	0123	1	2	2.03	1	OK		4-ABP
05111530000956	6	0123	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530000957	6	0123	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530000958	6	0123	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530000959	6	0123	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530000960	6	0126	-1	0	5.97	1	OK		4-ABP
05111530000961	6	0126	0	1	5.41	1	OK		4-ABP
05111530000962	6	0126	1	2	6.51	1	OK		4-ABP
05111530000963	6	0126	2	3	4.87	1	OK		4-ABP
05111530000964	6	0126	3	4	5.61	1	OK		4-ABP
05111530000965	6	0126	4	5	4.48	1	OK		4-ABP
05111530000966	6	0126	5	6	4.55	1	OK		4-ABP
05111530000967	6	0127	-1	0	19.0	1	OK		4-ABP
05111530000968	6	0127	0	1	6.67	1	OK		4-ABP
05111530000969	6	0127	1	2	3.21	1	OK		4-ABP
05111530000970	6	0127	2	3	1.96	1	OK		4-ABP
05111530000971	6	0127	3	4	2.35	1	OK		4-ABP
05111530000972	6	0127	4	5	2.45	1	OK		4-ABP
05111530000973	6	0127	5	6	2.36	1	OK		4-ABP
05111530000974	6	0128	-1	0	21.5	1	OK		4-ABP
05111530000975	6	0128	0	1	13.9	1	OK		4-ABP
05111530000976	6	0128	1	2	5.60	1	OK		4-ABP
05111530000977	6	0128	2	3	2.09	1	OK		4-ABP
05111530000978	6	0128	3	4	1.58	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000979	6	0128	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000980	6	0128	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000981	6	0129	-1	0	7 55	1	OK		4-ABP
05111530000982	6	0129	0	1	7 01	1	OK		4-ABP
05111530000983	6	0129	1	2	2 13	1	OK		4-ABP
05111530000984	6	0129	2	3	2 35	1	OK		4-ABP
05111530000985	6	0129	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530000986	6	0129	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530000987	6	0129	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000988	6	0130	-1	0	15 1	1	OK		4-ABP
05111530000989	6	0130	0	1	9 57	1	OK		4-ABP
05111530000990	6	0130	1	2	3 77	1	OK		4-ABP
05111530000991	6	0130	2	3	1 97	1	OK		4-ABP
05111530000992	6	0130	3	4	1 82	1	OK		4-ABP
05111530000993	6	0130	4	5	1 59	1	OK		4-ABP
05111530000994	6	0130	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530000995	6	0133	-1	0	13 0	1	OK		4-ABP
05111530000996	6	0133	0	1	10 1	1	OK		4-ABP
05111530000997	6	0133	1	2	5 09	1	OK		4-ABP
05111530000998	6	0133	2	3	BLQ<(1 50)	1	OK		4-ABP
05111530000999	6	0133	3	4	BLQ<(1 50)	1	OK		4-ABP
05111530001000	6	0133	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530001001	6	0133	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530001002	6	0134	-1	0	14 9	1	OK		4-ABP
05111530001003	6	0134	0	1	11 3	1	OK		4-ABP
05111530001004	6	0134	1	2	4 90	1	OK		4-ABP
05111530001005	6	0134	2	3	1 80	1	OK		4-ABP
05111530001006	6	0134	3	4	1 83	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001007	6	0134	4	5	1.67	1	OK		4-ABP
05111530001008	6	0134	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001009	6	0136	-1	0	23.2	1	OK		4-ABP
05111530001010	6	0136	0	1	13.9	1	OK		4-ABP
05111530001011	6	0136	1	2	9.25	1	OK		4-ABP
05111530001012	6	0136	2	3	4.28	1	OK		4-ABP
05111530001013	6	0136	3	4	4.83	1	OK		4-ABP
05111530001014	6	0136	4	5	1.92	1	OK		4-ABP
05111530001015	6	0136	5	6	1.64	1	OK		4-ABP
05111530001016	6	0137	-1	0	12.6	1	OK		4-ABP
05111530001017	6	0137	0	1	8.75	1	OK		4-ABP
05111530001018	6	0137	1	2	4.76	1	OK		4-ABP
05111530001019	6	0137	2	3	3.18	1	OK		4-ABP
05111530001020	6	0137	3	4	2.18	1	OK		4-ABP
05111530001021	6	0137	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530001022	6	0137	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001023	6	0139	-1	0	21.2	1	OK		4-ABP
05111530001024	6	0139	0	1	17.1	1	OK		4-ABP
05111530001025	6	0139	1	2	11.2	1	OK		4-ABP
05111530001026	6	0139	2	3	12.2	1	OK		4-ABP
05111530001027	6	0139	3	4	20.6	1	OK		4-ABP
05111530001028	6	0139	4	5	14.0	1	OK		4-ABP
05111530001029	6	0139	5	6	10.6	1	OK		4-ABP
05111530001030	7	0140	-1	0	6.75	1	OK		4-ABP
05111530001031	7	0140	0	1	6.06	1	OK		4-ABP
05111530001032	7	0140	1	2	5.96	1	OK		4-ABP
05111530001033	7	0140	2	3	7.93	1	OK		4-ABP
05111530001034	7	0140	3	4	7.55	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001035	7	0140	4	5	6.51	1	OK		4-ABP
05111530001036	7	0140	5	6	5.12	1	OK		4-ABP
05111530001037	7	0145	-1	0	6.45	1	OK		4-ABP
05111530001038	7	0145	0	1	6.58	1	OK		4-ABP
05111530001039	7	0145	1	2	3.09	1	OK		4-ABP
05111530001040	7	0145	2	3	1.81	1	OK		4-ABP
05111530001041	7	0145	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530001042	7	0145	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530001043	7	0145	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001044	7	0147	-1	0	17.5	1	OK		4-ABP
05111530001045	7	0147	0	1	12.5	1	OK		4-ABP
05111530001046	7	0147	1	2	8.12	1	OK		4-ABP
05111530001047	7	0147	2	3	3.93	1	OK		4-ABP
05111530001048	7	0147	3	4	2.32	1	OK		4-ABP
05111530001049	7	0147	4	5	2.46	1	OK		4-ABP
05111530001050	7	0147	5	6	1.75	1	OK		4-ABP
05111530001051	7	0148	-1	0	48.3	1	OK		4-ABP
05111530001052	7	0148	0	1	26.8	1	OK		4-ABP
05111530001053	7	0148	1	2	24.3	1	OK		4-ABP
05111530001054	7	0148	2	3	19.9	1	OK		4-ABP
05111530001055	7	0148	3	4	19.1	1	OK		4-ABP
05111530001056	7	0148	4	5	20.2	1	OK		4-ABP
05111530001057	7	0148	5	6	15.3	1	OK		4-ABP
05111530001058	7	0149	-1	0	13.5	1	OK		4-ABP
05111530001059	7	0149	0	1	9.79	1	OK		4-ABP
05111530001060	7	0149	1	2	4.02	1	OK		4-ABP
05111530001061	7	0149	2	3	3.15	1	OK		4-ABP
05111530001062	7	0149	3	4	2.98	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001063	7	0149	4	5	2.06	1	OK		4-ABP
05111530001064	7	0149	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001065	7	0150	-1	0	24.4	1	OK		4-ABP
05111530001066	7	0150	0	1	14.7	1	OK		4-ABP
05111530001067	7	0150	1	2	6.12	1	OK		4-ABP
05111530001068	7	0150	2	3	4.90	1	OK		4-ABP
05111530001069	7	0150	3	4	2.15	1	OK		4-ABP
05111530001070	7	0150	4	5	1.60	1	OK		4-ABP
05111530001071	7	0150	5	6	2.09	1	OK		4-ABP
05111530001072	7	0152	-1	0	3.34	1	OK		4-ABP
05111530001073	7	0152	0	1	3.71	1	OK		4-ABP
05111530001074	7	0152	1	2	3.08	1	OK		4-ABP
05111530001075	7	0152	2	3	3.67	1	OK		4-ABP
05111530001076	7	0152	3	4	3.35	1	OK		4-ABP
05111530001077	7	0152	4	5	3.27	1	OK		4-ABP
05111530001078	7	0152	5	6	2.62	1	OK		4-ABP
05111530001079	7	0153	-1	0	9.57	1	OK		4-ABP
05111530001080	7	0153	0	1	9.09	1	OK		4-ABP
05111530001081	7	0153	1	2	3.81	1	OK		4-ABP
05111530001082	7	0153	2	3	2.01	1	OK		4-ABP
05111530001083	7	0153	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530001084	7	0153	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530001085	7	0153	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001086	7	0155	-1	0	9.97	1	OK		4-ABP
05111530001087	7	0155	0	1	8.04	1	OK		4-ABP
05111530001088	7	0155	1	2	4.34	1	OK		4-ABP
05111530001089	7	0155	2	3	2.98	1	OK		4-ABP
05111530001090	7	0155	3	4	1.61	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001091	7	0155	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530001092	7	0155	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001093	7	0156	-1	0	27.0	1	OK		4-ABP
05111530001094	7	0156	0	1	27.0	1	OK		4-ABP
05111530001095	7	0156	1	2	24.8	1	OK		4-ABP
05111530001096	7	0156	2	3	25.9	1	OK		4-ABP
05111530001097	7	0156	3	4	25.6	1	OK		4-ABP
05111530001098	7	0156	4	5	31.6	1	OK		4-ABP
05111530001099	7	0156	5	6	18.8	1	OK		4-ABP
05111530001100	7	0160	-1	0	12.7	1	OK		4-ABP
05111530001101	7	0160	0	1	11.6	1	OK		4-ABP
05111530001102	7	0160	1	2	9.48	1	OK		4-ABP
05111530001103	7	0160	2	3	11.3	1	OK		4-ABP
05111530001104	7	0160	3	4	8.74	1	OK		4-ABP
05111530001105	7	0160	4	5	10.5	1	OK		4-ABP
05111530001106	7	0160	5	6	8.60	1	OK		4-ABP
05111530001107	7	0162	-1	0	14.9	1	OK		4-ABP
05111530001108	7	0162	0	1	12.8	1	OK		4-ABP
05111530001109	7	0162	1	2	4.64	1	OK		4-ABP
05111530001110	7	0162	2	3	4.19	1	OK		4-ABP
05111530001111	7	0162	3	4	3.29	1	OK		4-ABP
05111530001112	7	0162	4	5	1.86	1	OK		4-ABP
05111530001113	7	0162	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530001114	8	0167	-1	0	11.2	1	OK		4-ABP
05111530001115	8	0167	0	1	11.9	1	OK		4-ABP
05111530001116	8	0167	1	2	4.34	1	OK		4-ABP
05111530001117	8	0167	2	3	2.00	1	OK		4-ABP
05111530001118	8	0167	3	4	1.68	1	OK		4-ABP





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001119	8	0167	4	5	BLQ<(1 50)	1	OK		4-ABP
05111530001120	8	0167	5	6	BLQ<(1 50)	1	OK		4-ABP
05111530001165	15	0017	1	2	2 25	2	OK		4-ABP
05111530001457		0211	-1	0		2	Other	Analysis not required	4-ABP
05111530001458		0211	0	1		2	Other	Analysis not required	4-ABP
05111530001541		0242	-1	0		2	Other	Analysis not required	4-ABP
05111530001542		0242	0	1		2	Other	Analysis not required	4-ABP
05111530001555		0245	-1	0		2	Other	Analysis not required	4-ABP
05111530001556		0245	0	1		2	Other	Analysis not required	4-ABP
05111530001562		0247	-1	0		2	Other	Analysis not required	4-ABP
05111530001563		0247	0	1		2	Other	Analysis not required	4-ABP
05111530001632		0269	-1	0		2	Other	Analysis not required	4-ABP
05111530001633		0269	0	1		2	Other	Analysis not required	4-ABP
05111530001716		0288	-1	0		2	Other	Analysis not required	4-ABP
05111530001717		0288	0	1		2	Other	Analysis not required	4-ABP
05111530001758		0299	-1	0		2	Other	Analysis not required	4-ABP
05111530001759		0299	0	1		2	Other	Analysis not required	4-ABP
05111530001800		0309	-1	0		2	Other	Analysis not required	4-ABP
05111530001801		0309	0	1		2	Other	Analysis not required	4-ABP
05111530001807		0312	-1	0		2	Other	Analysis not required	4-ABP
05111530001808		0312	0	1		2	Other	Analysis not required	4-ABP
05111530002248	13	0313	-1	0	8 59	1	OK		4-ABP
05111530002249	13	0313	0	1	7 72	1	OK		4-ABP
05111530002250	13	0313	1	2	8 94	1	OK		4-ABP
05111530002251	13	0313	2	3	5 86	1	OK		4-ABP
05111530002252	13	0313	3	4	7 46	1	OK		4-ABP
05111530002253	13	0313	4	5	5 57	1	OK		4-ABP
05111530002254	13	0313	5	6	5 69	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002262	13	0315	-1	0	14.9	1	OK		4-ABP
05111530002263	13	0315	0	1	11.9	1	OK		4-ABP
05111530002264	13	0315	1	2	6.86	1	OK		4-ABP
05111530002265	13	0315	2	3	10.7	1	OK		4-ABP
05111530002266	13	0315	3	4	8.18	1	OK		4-ABP
05111530002267	13	0315	4	5	7.09	1	OK		4-ABP
05111530002268	13	0315	5	6	6.52	1	OK		4-ABP
05111530002276	13	0316	-1	0	2.68	1	OK		4-ABP
05111530002277	13	0316	0	1	1.96	1	OK		4-ABP
05111530002278	13	0316	1	2	1.50	1	OK		4-ABP
05111530002279	13	0316	2	3	BLQ<(1.50)	1	OK		4-ABP
05111530002280	13	0316	3	4	BLQ<(1.50)	1	OK		4-ABP
05111530002281	13	0316	4	5	BLQ<(1.50)	1	OK		4-ABP
05111530002282	13	0316	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530002290	13	0317	-1	0	15.5	1	OK		4-ABP
05111530002291	13	0317	0	1	8.66	1	OK		4-ABP
05111530002292	13	0317	1	2	6.33	1	OK		4-ABP
05111530002293	13	0317	2	3	3.91	1	OK		4-ABP
05111530002294	13	0317	3	4	2.04	1	OK		4-ABP
05111530002295	13	0317	4	5	1.74	1	OK		4-ABP
05111530002296	13	0317	5	6	BLQ<(1.50)	1	OK		4-ABP
05111530002304	13	0318	-1	0	9.45	1	OK		4-ABP
05111530002305	13	0318	0	1	8.60	1	OK		4-ABP
05111530002306	13	0318	1	2	8.87	1	OK		4-ABP
05111530002307	13	0318	2	3	8.79	1	OK		4-ABP
05111530002308	13	0318	3	4	11.7	1	OK		4-ABP
05111530002309	13	0318	4	5	10.8	1	OK		4-ABP
05111530002310	13	0318	5	6	15.1	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002318	13	0320	-1	0	26.7	1	OK		4-ABP
05111530002319	13	0320	0	1	20.9	1	OK		4-ABP
05111530002320	13	0320	1	2	9.05	1	OK		4-ABP
05111530002321	13	0320	2	3	6.32	1	OK		4-ABP
05111530002322	13	0320	3	4	3.67	1	OK		4-ABP
05111530002323	13	0320	4	5	2.58	1	OK		4-ABP
05111530002324	13	0320	5	6	2.23	1	OK		4-ABP
05111530002332	13	0321	-1	0	6.93	1	OK		4-ABP
05111530002333	13	0321	0	1	8.70	1	OK		4-ABP
05111530002334	13	0321	1	2	2.58	1	OK		4-ABP
05111530002335	13	0321	2	3	2.17	1	OK		4-ABP
05111530002336	13	0321	3	4	2.10	1	OK		4-ABP
05111530002337	13	0321	4	5	1.50	1	OK		4-ABP
05111530002338	13	0321	5	6	1.74	1	OK		4-ABP
05111530002346	14	0322	-1	0	10.0	1	OK		4-ABP
05111530002347	14	0322	0	1	9.34	1	OK		4-ABP
05111530002348	14	0322	1	2	7.22	1	OK		4-ABP
05111530002349	14	0322	2	3	6.54	1	OK		4-ABP
05111530002350	14	0322	3	4	7.00	1	OK		4-ABP
05111530002351	14	0322	4	5	6.23	1	OK		4-ABP
05111530002352	14	0322	5	6	5.32	1	OK		4-ABP
05111530002360	14	0325	-1	0	31.3	1	OK		4-ABP
05111530002361	14	0325	0	1	18.8	1	OK		4-ABP
05111530002362	14	0325	1	2	12.4	1	OK		4-ABP
05111530002363	14	0325	2	3	6.84	1	OK		4-ABP
05111530002364	14	0325	3	4	3.76	1	OK		4-ABP
05111530002365	14	0325	4	5	2.24	1	OK		4-ABP
05111530002366	14	0325	5	6	3.22	1	OK		4-ABP



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002374	14	0328	-1	0	3.47	1	OK		4-ABP
05111530002375	14	0328	0	1	4.37	1	OK		4-ABP
05111530002376	14	0328	1	2	2.38	1	OK		4-ABP
05111530002377	14	0328	2	3	3.33	1	OK		4-ABP
05111530002378	14	0328	3	4	3.13	1	OK		4-ABP
05111530002379	14	0328	4	5	2.47	1	OK		4-ABP
05111530002380	14	0328	5	6	2.69	1	OK		4-ABP





4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 15 Study Sample Concentrations for *o*-Toluidine

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000001	1	0008	-1	0	233	1	OK		<i>o</i> -toluidine
05111530000002	1	0008	0	1	187	1	OK		<i>o</i> -toluidine
05111530000003	1	0008	1	2	71.5	1	OK		<i>o</i> -toluidine
05111530000004	1	0008	2	3	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000005	1	0008	3	4	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000006	1	0008	4	5	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000007	1	0008	5	6	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000008	1	0010	-1	0	101	1	OK		<i>o</i> -toluidine
05111530000009	1	0010	0	1	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000010	1	0010	1	2	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000011	1	0010	2	3	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000012	1	0010	3	4	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000013	1	0010	4	5	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000014	1	0010	5	6	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000015	1	0011	-1	0	89.0	1	OK		<i>o</i> -toluidine
05111530000016	1	0011	0	1	113	1	OK		<i>o</i> -toluidine
05111530000017	1	0011	1	2	59.7	1	OK		<i>o</i> -toluidine
05111530000018	15	0011	2	3	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000019	1	0011	3	4	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000020	1	0011	4	5	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000021	1	0011	5	6	BLQ<(50.0)	1	OK		<i>o</i> -toluidine
05111530000022	1	0014	-1	0	103	1	OK		<i>o</i> -toluidine
05111530000023	1	0014	0	1	215	1	OK		<i>o</i> -toluidine
05111530000024	1	0014	1	2	56.0	1	OK		<i>o</i> -toluidine
05111530000025	1	0014	2	3	BLQ<(50.0)	1	OK		<i>o</i> -toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000026	1	0014	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000027	1	0014	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000028	1	0014	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000029	1	0015	-1	0	143	1	OK		o-toluidine
05111530000030	1	0015	0	1	102	1	OK		o-toluidine
05111530000031	1	0015	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000032	1	0015	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000033	1	0015	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000034	1	0015	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000035	1	0015	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000036	1	0016	-1	0	112	1	OK		o-toluidine
05111530000037	1	0016	0	1	54 6	1	OK		o-toluidine
05111530000038	1	0016	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000039	1	0016	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000040	1	0016	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000041	1	0016	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000042	1	0016	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000043	1	0017	-1	0	57 4	1	OK		o-toluidine
05111530000044	1	0017	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000046	1	0017	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000047	1	0017	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000048	1	0017	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000049	1	0017	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000050	1	0020	-1	0	71 1	1	OK		o-toluidine
05111530000051	1	0020	0	1	81 7	1	OK		o-toluidine
05111530000052	1	0020	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000053	1	0020	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000054	1	0020	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000055	1	0020	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000056	1	0020	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000057	2	0022	-1	0	161	1	OK		o-toluidine
05111530000058	2	0022	0	1	169	1	OK		o-toluidine
05111530000059	2	0022	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000060	2	0022	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000061	2	0022	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000062	2	0022	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000063	2	0022	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000064	2	0023	-1	0	79 6	1	OK		o-toluidine
05111530000065	2	0023	0	1	65 9	1	OK		o-toluidine
05111530000066	2	0023	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000067	2	0023	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000068	2	0023	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000069	2	0023	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000070	2	0023	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000071	2	0029	-1	0	118	1	OK		o-toluidine
05111530000072	2	0029	0	1	57 3	1	OK		o-toluidine
05111530000073	2	0029	1	2	93 7	1	OK		o-toluidine
05111530000074	2	0029	2	3	92 9	1	OK		o-toluidine
05111530000075	2	0029	3	4	71 5	1	OK		o-toluidine
05111530000076	2	0029	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000077	2	0029	5	6	71 5	1	OK		o-toluidine
05111530000078	2	0030	-1	0	69 9	1	OK		o-toluidine
05111530000079	2	0030	0	1	82 6	1	OK		o-toluidine
05111530000080	2	0030	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000081	2	0030	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000082	2	0030	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000083	2	0030	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000084	15	0030	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000085	2	0031	-1	0	118	1	OK		o-toluidine
05111530000086	2	0031	0	1	192	1	OK		o-toluidine
05111530000087	2	0031	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000088	2	0031	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000089	2	0031	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000090	2	0031	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000091	2	0031	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000092	2	0034	-1	0	84 8	1	OK		o-toluidine
05111530000093	2	0034	0	1	81 0	1	OK		o-toluidine
05111530000094	2	0034	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000095	2	0034	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000096	2	0034	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000097	2	0034	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000098	2	0034	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000099	2	0035	-1	0	142	1	OK		o-toluidine
05111530000100	2	0035	0	1	124	1	OK		o-toluidine
05111530000101	2	0035	1	2	116	1	OK		o-toluidine
05111530000102	2	0035	2	3	73 6	1	OK		o-toluidine
05111530000103	2	0035	3	4	78 5	1	OK		o-toluidine
05111530000104	2	0035	4	5	99 4	1	OK		o-toluidine
05111530000105	2	0035	5	6	122	1	OK		o-toluidine
05111530000106	2	0038	-1	0	203	1	OK		o-toluidine
05111530000107	2	0038	0	1	157	1	OK		o-toluidine
05111530000108	2	0038	1	2	51 0	1	OK		o-toluidine
05111530000109	2	0038	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000110	2	0038	3	4	BLQ<(50 0)	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000111	2	0038	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000112	2	0038	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000113	2	0039	-1	0	121	1	OK		o-toluidine
05111530000114	2	0039	0	1	91 8	1	OK		o-toluidine
05111530000115	2	0039	1	2	51 6	1	OK		o-toluidine
05111530000116	2	0039	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000117	2	0039	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000118	2	0039	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000119	2	0039	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000120	3	0044	-1	0	65 5	1	OK		o-toluidine
05111530000121	3	0044	0	1	75 2	1	OK		o-toluidine
05111530000122	3	0044	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000123	3	0044	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000124	3	0044	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000125	3	0044	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000126	3	0044	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000127	3	0049	-1	0	106	1	OK		o-toluidine
05111530000128	3	0049	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000129	3	0049	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000130	3	0049	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000131	3	0049	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000132	3	0049	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000133	3	0049	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000134	3	0052	-1	0	142	1	OK		o-toluidine
05111530000135	3	0052	0	1	163	1	OK		o-toluidine
05111530000136	3	0052	1	2	75 8	1	OK		o-toluidine
05111530000137	3	0052	2	3	62 8	1	OK		o-toluidine
05111530000138	3	0052	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000139	3	0052	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000140	3	0052	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000141	3	0053	-1	0	112	1	OK		o-toluidine
05111530000142	3	0053	0	1	102	1	OK		o-toluidine
05111530000143	3	0053	1	2	104	1	OK		o-toluidine
05111530000144	3	0053	2	3	92 3	1	OK		o-toluidine
05111530000145	3	0053	3	4	102	1	OK		o-toluidine
05111530000146	3	0053	4	5	70 7	1	OK		o-toluidine
05111530000147	3	0053	5	6	99 1	1	OK		o-toluidine
05111530000148	3	0057	-1	0	80 2	1	OK		o-toluidine
05111530000149	3	0057	0	1	79 0	1	OK		o-toluidine
05111530000150	3	0057	1	2	52 9	1	OK		o-toluidine
05111530000151	3	0057	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000152	3	0057	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000153	3	0057	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000154	3	0057	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000155	3	0060	-1	0	103	1	OK		o-toluidine
05111530000156	3	0060	0	1	87 7	1	OK		o-toluidine
05111530000157	3	0060	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000158	3	0060	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000159	3	0060	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000160	3	0060	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000161	3	0060	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000162	3	0062	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000163	3	0062	0	1	72 6	1	OK		o-toluidine
05111530000164	3	0062	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000165	3	0062	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000166	3	0062	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000167	3	0062	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000168	3	0062	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000169	3	0064	-1	0	71.4	1	OK		o-toluidine
05111530000170	3	0064	0	1	122	1	OK		o-toluidine
05111530000171	3	0064	1	2	67.5	1	OK		o-toluidine
05111530000172	3	0064	2	3	52.4	1	OK		o-toluidine
05111530000173	3	0064	3	4	83.1	1	OK		o-toluidine
05111530000174	3	0064	4	5	64.4	1	OK		o-toluidine
05111530000175	3	0064	5	6	105	1	OK		o-toluidine
05111530000176	3	0055	-1	0	79.2	1	OK		o-toluidine
05111530000177	3	0055	0	1	86.5	1	OK		o-toluidine
05111530000178	3	0055	1	2	82.2	1	OK		o-toluidine
05111530000179	3	0055	2	3	71.8	1	OK		o-toluidine
05111530000180	3	0055	3	4	54.7	1	OK		o-toluidine
05111530000181	3	0055	4	5	79.4	1	OK		o-toluidine
05111530000182	3	0055	5	6	93.6	1	OK		o-toluidine
05111530000183	8	0169	-1	0	55.2	1	OK		o-toluidine
05111530000184	8	0169	0	1	BLQ<(50.0)	1	OK		o-toluidine
05111530000185	8	0169	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000186	8	0169	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000187	8	0169	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000188	8	0169	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000189	8	0169	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000190	8	0170	-1	0	102	1	OK		o-toluidine
05111530000191	8	0170	0	1	77.0	1	OK		o-toluidine
05111530000192	8	0170	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000193	8	0170	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000194	8	0170	3	4	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000195	8	0170	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000196	8	0170	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000197	8	0177	-1	0	162	1	OK		o-toluidine
05111530000198	8	0177	0	1	161	1	OK		o-toluidine
05111530000199	8	0177	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000200	8	0177	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000201	8	0177	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000202	8	0177	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000203	8	0177	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000204	8	0183	-1	0	98 4	1	OK		o-toluidine
05111530000205	8	0183	0	1	87 8	1	OK		o-toluidine
05111530000206	8	0183	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000207	8	0183	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000208	8	0183	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000209	8	0183	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000210	8	0183	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000211	8	0185	-1	0	176	1	OK		o-toluidine
05111530000212	8	0185	0	1	100	1	OK		o-toluidine
05111530000213	8	0185	1	2	54 3	1	OK		o-toluidine
05111530000214	8	0185	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000215	8	0185	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000216	8	0185	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000217	8	0185	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000218	8	0187	-1	0	148	1	OK		o-toluidine
05111530000219	8	0187	0	1	79 1	1	OK		o-toluidine
05111530000220	8	0187	1	2	82 2	1	OK		o-toluidine
05111530000221	8	0187	2	3	106	1	OK		o-toluidine
05111530000222	8	0187	3	4	141	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000223	8	0187	4	5	102	1	OK		o-toluidine
05111530000224	8	0187	5	6	67.7	1	OK		o-toluidine
05111530000225	8	0190	-1	0	94.7	1	OK		o-toluidine
05111530000226	8	0190	0	1	97.8	1	OK		o-toluidine
05111530000227	8	0190	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000228	8	0190	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000229	8	0190	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000230	8	0190	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000231	8	0190	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000232	8	0191	-1	0	53.1	1	OK		o-toluidine
05111530000233	8	0191	0	1	60.8	1	OK		o-toluidine
05111530000234	8	0191	1	2	57.7	1	OK		o-toluidine
05111530000235	8	0191	2	3	60.3	1	OK		o-toluidine
05111530000236	8	0191	3	4	69.3	1	OK		o-toluidine
05111530000237	8	0191	4	5	59.6	1	OK		o-toluidine
05111530000238	8	0191	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000239	8	0192	-1	0	275	1	OK		o-toluidine
05111530000240	8	0192	0	1	206	1	OK		o-toluidine
05111530000241	8	0192	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000242	8	0192	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000243	8	0192	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000244	8	0192	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000245	8	0192	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000246	8	0181	-1	0	225	1	OK		o-toluidine
05111530000247	8	0181	0	1	195	1	OK		o-toluidine
05111530000248	8	0181	1	2	53.7	1	OK		o-toluidine
05111530000249	8	0181	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000250	8	0181	3	4	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000251	8	0181	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000252	8	0181	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000253	8	0189	-1	0	83 1	1	OK		o-toluidine
05111530000254	8	0189	0	1	62 4	1	OK		o-toluidine
05111530000255	8	0189	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000256	8	0189	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000257	15	0189	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000258	8	0189	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000259	8	0189	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000260	17	0193	-1	0	73 0	1	OK		o-toluidine
05111530000261	17	0193	0	1	143	1	OK		o-toluidine
05111530000262	17	0193	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000263	17	0193	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000264	17	0193	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000265	17	0193	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000266	17	0193	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000267	17	0195	-1	0	70 3	1	OK		o-toluidine
05111530000268	17	0195	0	1	69 8	1	OK		o-toluidine
05111530000269	17	0195	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000270	17	0195	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000271	17	0195	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000272	17	0195	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000273	17	0195	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000274	17	0196	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000275	17	0196	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000276	17	0196	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000277	17	0196	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000278	17	0196	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000279	17	0196	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000280	17	0196	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000281	17	0197	-1	0	104	1	OK		o-toluidine
05111530000282	17	0197	0	1	192	1	OK		o-toluidine
05111530000283	17	0197	1	2	60 9	1	OK		o-toluidine
05111530000284	17	0197	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000285	17	0197	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000286	17	0197	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000287	17	0197	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000288	17	0198	-1	0	88 7	1	OK		o-toluidine
05111530000289	17	0198	0	1	181	1	OK		o-toluidine
05111530000290	17	0198	1	2	120	1	OK		o-toluidine
05111530000291	17	0198	2	3	152	1	OK		o-toluidine
05111530000292	17	0198	3	4	161	1	OK		o-toluidine
05111530000293	17	0198	4	5	158	1	OK		o-toluidine
05111530000294	17	0198	5	6	124	1	OK		o-toluidine
05111530000295	17	0200	-1	0	50 1	1	OK		o-toluidine
05111530000296	17	0200	0	1	79 6	1	OK		o-toluidine
05111530000297	17	0200	1	2	65 1	1	OK		o-toluidine
05111530000298	17	0200	2	3	51 3	1	OK		o-toluidine
05111530000299	17	0200	3	4	71 7	1	OK		o-toluidine
05111530000300	17	0200	4	5	65 1	1	OK		o-toluidine
05111530000301	17	0200	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000302	17	0202	-1	0	76 8	1	OK		o-toluidine
05111530000303	17	0202	0	1	102	1	OK		o-toluidine
05111530000304	17	0202	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000305	17	0202	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000306	17	0202	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000307	17	0202	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000308	17	0202	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000309	17	0203	-1	0	60 7	1	OK		o-toluidine
05111530000310	17	0203	0	1	76 4	1	OK		o-toluidine
05111530000311	17	0203	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000312	17	0203	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000313	17	0203	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000314	17	0203	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000315	17	0203	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000316	17	0204	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000317	17	0204	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000318	17	0204	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000319	17	0204	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000320	17	0204	3	4	54 3	1	OK		o-toluidine
05111530000321	17	0204	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000322	17	0204	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000323	17	0206	-1	0	67 2	1	OK		o-toluidine
05111530000324	17	0206	0	1	114	1	OK		o-toluidine
05111530000325	17	0206	1	2	55 0	1	OK		o-toluidine
05111530000326	17	0206	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000327	17	0206	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000328	17	0206	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000329	17	0206	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000330	17	0210	-1	0	100	1	OK		o-toluidine
05111530000331	17	0210	0	1	83 2	1	OK		o-toluidine
05111530000332	17	0210	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000333	17	0210	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000334	17	0210	3	4	BLQ<(50 0)	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000335	17	0210	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000336	17	0210	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000337		0211	-1	0		1	Other	Analysis not required	o-toluidine
05111530000338		0211	0	1		1	Other	Analysis not required	o-toluidine
05111530000344	17	0216	-1	0	53 5	1	OK		o-toluidine
05111530000345	17	0216	0	1	117	1	OK		o-toluidine
05111530000346	17	0216	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000347	17	0216	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000348	17	0216	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000349	17	0216	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000350	17	0216	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000351	10	0218	-1	0	61 7	1	OK		o-toluidine
05111530000352	10	0218	0	1	165	1	OK		o-toluidine
05111530000353	10	0218	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000354	10	0218	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000355	10	0218	3	4	61 3	1	OK		o-toluidine
05111530000356	10	0218	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000357	10	0218	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000358	10	0220	-1	0	61 3	1	OK		o-toluidine
05111530000359	10	0220	0	1	87 8	1	OK		o-toluidine
05111530000360	10	0220	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000361	10	0220	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000362	10	0220	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000363	10	0220	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000364	10	0220	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000365	10	0224	-1	0	66 1	1	OK		o-toluidine
05111530000366	10	0224	0	1	91 4	1	OK		o-toluidine
05111530000367	10	0224	1	2	68 5	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000368	10	0224	2	3	66.9	1	OK		o-toluidine
05111530000369	10	0224	3	4	91.8	1	OK		o-toluidine
05111530000370	10	0224	4	5	86.9	1	OK		o-toluidine
05111530000371	10	0224	5	6	60.8	1	OK		o-toluidine
05111530000372	10	0228	-1	0	81.2	1	OK		o-toluidine
05111530000373	10	0228	0	1	155	1	OK		o-toluidine
05111530000374	10	0228	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000375	10	0228	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000376	10	0228	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000377	10	0228	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000378	22	0228	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000379	10	0229	-1	0	61.4	1	OK		o-toluidine
05111530000380	10	0229	0	1	56.8	1	OK		o-toluidine
05111530000381	10	0229	1	2	76.1	1	OK		o-toluidine
05111530000382	10	0229	2	3	63.2	1	OK		o-toluidine
05111530000383	10	0229	3	4	86.3	1	OK		o-toluidine
05111530000384	10	0229	4	5	79.2	1	OK		o-toluidine
05111530000385	10	0229	5	6	52.4	1	OK		o-toluidine
05111530000386	10	0230	-1	0	99.6	1	OK		o-toluidine
05111530000387	10	0230	0	1	124	1	OK		o-toluidine
05111530000388	10	0230	1	2	84.9	1	OK		o-toluidine
05111530000389	10	0230	2	3	62.8	1	OK		o-toluidine
05111530000390	10	0230	3	4	80.5	1	OK		o-toluidine
05111530000391	10	0230	4	5	76.9	1	OK		o-toluidine
05111530000392	10	0230	5	6	62.1	1	OK		o-toluidine
05111530000393	10	0232	-1	0	BLQ<(50.0)	1	OK		o-toluidine
05111530000394	10	0232	0	1	BLQ<(50.0)	1	OK		o-toluidine
05111530000395	10	0232	1	2	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000396	10	0232	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000397	10	0232	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000398	10	0232	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000399	10	0232	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000400	10	0234	-1	0	84 3	1	OK		o-toluidine
05111530000401	10	0234	0	1	114	1	OK		o-toluidine
05111530000402	10	0234	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000403	10	0234	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000404	10	0234	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000405	10	0234	4	5	54 4	1	OK		o-toluidine
05111530000406	10	0234	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000407	10	0240	-1	0	130	1	OK		o-toluidine
05111530000408	10	0240	0	1	140	1	OK		o-toluidine
05111530000409	10	0240	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000410	10	0240	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000411	22	0240	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000412	10	0240	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000413	10	0240	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000414	10	0241	-1	0	109	1	OK		o-toluidine
05111530000415	10	0241	0	1	133	1	OK		o-toluidine
05111530000416	10	0241	1	2	71 9	1	OK		o-toluidine
05111530000417	10	0241	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000418	10	0241	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000419	10	0241	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000420	10	0241	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000421		0242	-1	0		1	Other	Analysis not required	o-toluidine
05111530000422		0242	0	1		1	Other	Analysis not required	o-toluidine
05111530000428	10	0244	-1	0	87 5	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000429	10	0244	0	1	83.8	1	OK		o-toluidine
05111530000430	10	0244	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000431	10	0244	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000432	10	0244	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000433	10	0244	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000434	10	0244	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000435		0245	-1	0		1	Other	Analysis not required	o-toluidine
05111530000436		0245	0	1		1	Other	Analysis not required	o-toluidine
05111530000442		0247	-1	0		1	Other	Analysis not required	o-toluidine
05111530000443		0247	0	1		1	Other	Analysis not required	o-toluidine
05111530000449	10	0249	-1	0	238	1	OK		o-toluidine
05111530000450	10	0249	0	1	236	1	OK		o-toluidine
05111530000451	10	0249	1	2	66.0	1	OK		o-toluidine
05111530000452	10	0249	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000453	10	0249	3	4	65.9	1	OK		o-toluidine
05111530000454	10	0249	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000455	10	0249	5	6	56.4	1	OK		o-toluidine
05111530000456	19	0251	-1	0	61.7	1	OK		o-toluidine
05111530000457	19	0251	0	1	54.7	1	OK		o-toluidine
05111530000458	19	0251	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000459	19	0251	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000460	19	0251	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000461	19	0251	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000462	19	0251	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000463	19	0252	-1	0	93.2	1	OK		o-toluidine
05111530000464	19	0252	0	1	100	1	OK		o-toluidine
05111530000465	19	0252	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000466	19	0252	2	3	BLQ<(50.0)	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000467	19	0252	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000468	19	0252	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000469	19	0252	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000470	19	0255	-1	0	74 7	1	OK		o-toluidine
05111530000471	19	0255	0	1	90 5	1	OK		o-toluidine
05111530000472	19	0255	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000473	19	0255	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000474	19	0255	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000475	19	0255	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000476	19	0255	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000477	19	0256	-1	0	137	1	OK		o-toluidine
05111530000478	19	0256	0	1	262	1	OK		o-toluidine
05111530000479	19	0256	1	2	155	1	OK		o-toluidine
05111530000480	19	0256	2	3	93 0	1	OK		o-toluidine
05111530000481	19	0256	3	4	139	1	OK		o-toluidine
05111530000482	19	0256	4	5	99 6	1	OK		o-toluidine
05111530000483	19	0256	5	6	54 9	1	OK		o-toluidine
05111530000484	19	0262	-1	0	76 2	1	OK		o-toluidine
05111530000485	19	0262	0	1	111	1	OK		o-toluidine
05111530000486	21	0262	1	2	87 0	1	OK		o-toluidine
05111530000487	19	0262	2	3	80 3	1	OK		o-toluidine
05111530000488	19	0262	3	4	113	1	OK		o-toluidine
05111530000489	19	0262	4	5	105	1	OK		o-toluidine
05111530000490	19	0262	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000491	19	0264	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000492	19	0264	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000493	19	0264	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000494	19	0264	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000495	19	0264	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000496	19	0264	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000497	19	0264	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000498	19	0265	-1	0	109	1	OK		o-toluidine
05111530000499	19	0265	0	1	121	1	OK		o-toluidine
05111530000500	19	0265	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000501	19	0265	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000502	19	0265	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000503	19	0265	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000504	19	0265	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000505	19	0266	-1	0	116	1	OK		o-toluidine
05111530000506	19	0266	0	1	93 5	1	OK		o-toluidine
05111530000507	19	0266	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000508	19	0266	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000509	19	0266	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000510	19	0266	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000511	19	0266	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000512		0269	-1	0		1	Other	Analysis not required	o-toluidine
05111530000513		0269	0	1		1	Other	Analysis not required	o-toluidine
05111530000519	19	0272	-1	0	184	1	OK		o-toluidine
05111530000520	19	0272	0	1	86 5	1	OK		o-toluidine
05111530000521	19	0272	1	2	53 8	1	OK		o-toluidine
05111530000522	19	0272	2	3	54 8	1	OK		o-toluidine
05111530000523	19	0272	3	4	66 3	1	OK		o-toluidine
05111530000524	19	0272	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000525	19	0272	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000526	19	0273	-1	0	96 7	1	OK		o-toluidine
05111530000527	19	0273	0	1	111	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000528	19	0273	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000529	19	0273	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000530	19	0273	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000531	19	0273	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000532	19	0273	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000533	19	0276	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000534	19	0276	0	1	61 1	1	OK		o-toluidine
05111530000535	19	0276	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000536	19	0276	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000537	19	0276	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000538	19	0276	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000539	19	0276	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000540	19	0277	-1	0	88 7	1	OK		o-toluidine
05111530000541	19	0277	0	1	119	1	OK		o-toluidine
05111530000542	19	0277	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000543	19	0277	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000544	19	0277	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000545	19	0277	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000546	19	0277	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000547	12	0278	-1	0	101	1	OK		o-toluidine
05111530000548	12	0278	0	1	96 6	1	OK		o-toluidine
05111530000549	22	0278	1	2	161	1	OK		o-toluidine
05111530000550	12	0278	2	3	133	1	OK		o-toluidine
05111530000551	12	0278	3	4	136	1	OK		o-toluidine
05111530000552	12	0278	4	5	99 9	1	OK		o-toluidine
05111530000553	12	0278	5	6	81 3	1	OK		o-toluidine
05111530000554	12	0279	-1	0	157	1	OK		o-toluidine
05111530000555	12	0279	0	1	101	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000556	12	0279	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000557	12	0279	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000558	12	0279	3	4	51 2	1	OK		o-toluidine
05111530000559	12	0279	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000560	12	0279	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000561	12	0281	-1	0	186	1	OK		o-toluidine
05111530000562	12	0281	0	1	183	1	OK		o-toluidine
05111530000563	12	0281	1	2	64 9	1	OK		o-toluidine
05111530000564	12	0281	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000565	12	0281	3	4	61 5	1	OK		o-toluidine
05111530000566	12	0281	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000567	12	0281	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000568	12	0282	-1	0	62 4	1	OK		o-toluidine
05111530000569	12	0282	0	1	97 5	1	OK		o-toluidine
05111530000570	12	0282	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000571	12	0282	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000572	12	0282	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000573	12	0282	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000574	12	0282	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000575	12	0283	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000576	12	0283	0	1	51 2	1	OK		o-toluidine
05111530000577	12	0283	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000578	12	0283	2	3	52 6	1	OK		o-toluidine
05111530000579	12	0283	3	4	52 2	1	OK		o-toluidine
05111530000580	12	0283	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000581	12	0283	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000582	12	0285	-1	0	86 3	1	OK		o-toluidine
05111530000583	12	0285	0	1	154	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000584	12	0285	1	2	145	1	OK		o-toluidine
05111530000585	12	0285	2	3	174	1	OK		o-toluidine
05111530000586	12	0285	3	4	145	1	OK		o-toluidine
05111530000587	12	0285	4	5	85.7	1	OK		o-toluidine
05111530000588	12	0285	5	6	144	1	OK		o-toluidine
05111530000589	12	0287	-1	0	93.9	1	OK		o-toluidine
05111530000590	12	0287	0	1	103	1	OK		o-toluidine
05111530000591	12	0287	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000592	12	0287	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000593	12	0287	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000594	12	0287	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000595	12	0287	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000596		0288	-1	0		1	Other	Analysis not required	o-toluidine
05111530000597		0288	0	1		1	Other	Analysis not required	o-toluidine
05111530000603	12	0289	-1	0	77.5	1	OK		o-toluidine
05111530000604	12	0289	0	1	80.5	1	OK		o-toluidine
05111530000605	12	0289	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000606	12	0289	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000607	12	0289	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000608	12	0289	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000609	12	0289	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000610	12	0291	-1	0	99.6	1	OK		o-toluidine
05111530000611	12	0291	0	1	86.6	1	OK		o-toluidine
05111530000612	12	0291	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000613	12	0291	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000614	12	0291	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000615	12	0291	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000616	12	0291	5	6	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000617	12	0292	-1	0	69.2	1	OK		o-toluidine
05111530000618	12	0292	0	1	114	1	OK		o-toluidine
05111530000619	22	0292	1	2	64.5	1	OK		o-toluidine
05111530000620	12	0292	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000621	12	0292	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000622	12	0292	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000623	12	0292	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000624	12	0296	-1	0	109	1	OK		o-toluidine
05111530000625	22	0296	0	1	109	1	OK		o-toluidine
05111530000626	12	0296	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000627	12	0296	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000628	22	0296	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000629	12	0296	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000630	22	0296	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000631	12	0298	-1	0	107	1	OK		o-toluidine
05111530000632	12	0298	0	1	143	1	OK		o-toluidine
05111530000633	12	0298	1	2	153	1	OK		o-toluidine
05111530000634	12	0298	2	3	97.9	1	OK		o-toluidine
05111530000635	12	0298	3	4	99.6	1	OK		o-toluidine
05111530000636	12	0298	4	5	84.7	1	OK		o-toluidine
05111530000637	12	0298	5	6	117	1	OK		o-toluidine
05111530000638		0299	-1	0		1	Other	Analysis not required	o-toluidine
05111530000639		0299	0	1		1	Other	Analysis not required	o-toluidine
05111530000645	13	0300	-1	0	BLQ<(50.0)	1	OK		o-toluidine
05111530000646	13	0300	0	1	BLQ<(50.0)	1	OK		o-toluidine
05111530000647	13	0300	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000648	13	0300	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000649	13	0300	3	4	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000650	13	0300	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000651	13	0300	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000652	13	0301	-1	0	75 1	1	OK		o-toluidine
05111530000653	13	0301	0	1	107	1	OK		o-toluidine
05111530000654	13	0301	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000655	13	0301	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000656	13	0301	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000657	13	0301	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000658	13	0301	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000659	13	0306	-1	0	119	1	OK		o-toluidine
05111530000660	13	0306	0	1	145	1	OK		o-toluidine
05111530000661	13	0306	1	2	53 4	1	OK		o-toluidine
05111530000662	13	0306	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000663	13	0306	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000664	13	0306	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000665	13	0306	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000666	13	0307	-1	0	92 1	1	OK		o-toluidine
05111530000667	13	0307	0	1	116	1	OK		o-toluidine
05111530000668	13	0307	1	2	66 9	1	OK		o-toluidine
05111530000669	13	0307	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000670	13	0307	3	4	55 9	1	OK		o-toluidine
05111530000671	13	0307	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000672	13	0307	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000673	13	0308	-1	0	88 8	1	OK		o-toluidine
05111530000674	13	0308	0	1	139	1	OK		o-toluidine
05111530000675	13	0308	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000676	13	0308	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000677	13	0308	3	4	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000678	13	0308	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000679	13	0308	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000680		0309	-1	0		1	Other	Analysis not required	o-toluidine
05111530000681		0309	0	1		1	Other	Analysis not required	o-toluidine
05111530000687		0312	-1	0		1	Other	Analysis not required	o-toluidine
05111530000688		0312	0	1		1	Other	Analysis not required	o-toluidine
05111530000694	2	0025	-1	0	77 4	1	OK		o-toluidine
05111530000695	2	0025	0	1	101	1	OK		o-toluidine
05111530000696	2	0025	1	2	80 5	1	OK		o-toluidine
05111530000697	2	0025	2	3	67 5	1	OK		o-toluidine
05111530000698	2	0025	3	4	69 9	1	OK		o-toluidine
05111530000699	2	0025	4	5	65 9	1	OK		o-toluidine
05111530000700	2	0025	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000701	2	0028	-1	0	67 5	1	OK		o-toluidine
05111530000702	2	0028	0	1	69 6	1	OK		o-toluidine
05111530000703	2	0028	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000704	2	0028	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000705	2	0028	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000706	2	0028	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000707	2	0028	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000715	1	0001	-1	0	51 3	1	OK		o-toluidine
05111530000716	1	0001	0	1	56 8	1	OK		o-toluidine
05111530000717	1	0001	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000718	1	0001	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000719	1	0001	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000720	1	0001	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000721	1	0001	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000722	15	0004	-1	0	81 5	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000723	1	0004	0	1	90 2	1	OK		o-toluidine
05111530000724	1	0004	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000725	1	0004	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000726	1	0004	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000727	1	0004	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000728	1	0004	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000729	1	0013	-1	0	117	1	OK		o-toluidine
05111530000730	1	0013	0	1	155	1	OK		o-toluidine
05111530000731	1	0013	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000732	1	0013	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000733	1	0013	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000734	1	0013	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000735	15	0013	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000736	1	0021	-1	0	83 2	1	OK		o-toluidine
05111530000737	1	0021	0	1	108	1	OK		o-toluidine
05111530000738	1	0021	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000739	1	0021	2	3	116	1	OK		o-toluidine
05111530000740	1	0021	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000741	1	0021	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000742	1	0021	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000743	2	0037	-1	0	124	1	OK		o-toluidine
05111530000744	2	0037	0	1	108	1	OK		o-toluidine
05111530000745	2	0037	1	2	121	1	OK		o-toluidine
05111530000746	2	0037	2	3	102	1	OK		o-toluidine
05111530000747	2	0037	3	4	109	1	OK		o-toluidine
05111530000748	2	0037	4	5	125	1	OK		o-toluidine
05111530000749	2	0037	5	6	112	1	OK		o-toluidine
05111530000750	3	0042	-1	0	99 8	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000751	3	0042	0	1	143	1	OK		o-toluidine
05111530000752	3	0042	1	2	123	1	OK		o-toluidine
05111530000753	3	0042	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000754	3	0042	3	4	204	1	OK		o-toluidine
05111530000755	3	0042	4	5	98.8	1	OK		o-toluidine
05111530000756	3	0042	5	6	101	1	OK		o-toluidine
05111530000757	3	0051	-1	0	52.8	1	OK		o-toluidine
05111530000758	3	0051	0	1	53.9	1	OK		o-toluidine
05111530000759	3	0051	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000760	3	0051	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000761	3	0051	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000762	3	0051	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000763	3	0051	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000764	3	0063	-1	0	99.3	1	OK		o-toluidine
05111530000765	3	0063	0	1	122	1	OK		o-toluidine
05111530000766	3	0063	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000767	3	0063	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000768	3	0063	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000769	3	0063	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000770	3	0063	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000771	12	0066	-1	0	76.7	1	OK		o-toluidine
05111530000772	12	0066	0	1	89.0	1	OK		o-toluidine
05111530000773	13	0066	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530000774	13	0066	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000775	13	0066	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000776	13	0066	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000777	13	0066	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000778	22	0067	-1	0	56.7	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000779	22	0067	0	1	80.8	1	OK		o-toluidine
05111530000780	22	0067	1	2	53.0	1	OK		o-toluidine
05111530000781	22	0067	2	3	54.5	1	OK		o-toluidine
05111530000782	22	0067	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000783	22	0067	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000784	22	0067	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000785	22	0069	-1	0	68.8	1	OK		o-toluidine
05111530000786	22	0069	0	1	82.1	1	OK		o-toluidine
05111530000787	22	0069	1	2	56.8	1	OK		o-toluidine
05111530000788	22	0069	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000789	22	0069	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000790	22	0069	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000791	22	0069	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000792	4	0071	-1	0	127	1	OK		o-toluidine
05111530000793	4	0071	0	1	105	1	OK		o-toluidine
05111530000794	22	0071	1	2	54.7	1	OK		o-toluidine
05111530000795	22	0071	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530000796	22	0071	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530000797	22	0071	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530000798	22	0071	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530000799	22	0072	-1	0	78.4	1	OK		o-toluidine
05111530000800	22	0072	0	1	87.2	1	OK		o-toluidine
05111530000801	22	0072	1	2	61.1	1	OK		o-toluidine
05111530000802	22	0072	2	3	78.4	1	OK		o-toluidine
05111530000803	22	0072	3	4	99.1	1	OK		o-toluidine
05111530000804	22	0072	4	5	70.8	1	OK		o-toluidine
05111530000805	22	0072	5	6	56.9	1	OK		o-toluidine
05111530000806	4	0074	-1	0	152	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000807	4	0074	0	1	147	1	OK		o-toluidine
05111530000808	22	0074	1	2	59 6	1	OK		o-toluidine
05111530000809	22	0074	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000810	22	0074	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000811	22	0074	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000812	22	0074	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000813	22	0076	-1	0	61 0	1	OK		o-toluidine
05111530000814	22	0076	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530000815	22	0076	1	2	69 4	1	OK		o-toluidine
05111530000816	22	0076	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000817	22	0076	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000818	22	0076	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000819	22	0076	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000820	22	0080	-1	0	87 0	1	OK		o-toluidine
05111530000821	22	0080	0	1	85 7	1	OK		o-toluidine
05111530000822	22	0080	1	2	77 0	1	OK		o-toluidine
05111530000823	22	0080	2	3	94 4	1	OK		o-toluidine
05111530000824	22	0080	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000825	22	0080	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000826	22	0080	5	6	73 1	1	OK		o-toluidine
05111530000827	4	0083	-1	0	125	1	OK		o-toluidine
05111530000828	22	0083	0	1	76 3	1	OK		o-toluidine
05111530000829	22	0083	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000830	22	0083	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000831	22	0083	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000832	22	0083	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000833	22	0083	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000834	22	0085	-1	0	64 4	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000835	22	0085	0	1	72 0	1	OK		o-toluidine
05111530000836	22	0085	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000837	22	0085	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000841	22	0086	-1	0	113	1	OK		o-toluidine
05111530000842	4	0086	0	1	106	1	OK		o-toluidine
05111530000843	22	0086	1	2	57 9	1	OK		o-toluidine
05111530000844	22	0086	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000845	22	0086	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000846	22	0086	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000847	22	0086	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000848	22	0087	-1	0	111	1	OK		o-toluidine
05111530000849	4	0087	0	1	104	1	OK		o-toluidine
05111530000850	4	0087	1	2	110	1	OK		o-toluidine
05111530000851	22	0087	2	3	102	1	OK		o-toluidine
05111530000852	4	0087	3	4	110	1	OK		o-toluidine
05111530000853	22	0087	4	5	65 9	1	OK		o-toluidine
05111530000854	22	0087	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000855	22	0088	-1	0	84 1	1	OK		o-toluidine
05111530000856	22	0088	0	1	90 3	1	OK		o-toluidine
05111530000857	22	0088	1	2	67 5	1	OK		o-toluidine
05111530000858	22	0088	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000859	22	0088	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000860	22	0088	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000861	22	0088	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000862	16	0090	-1	0	62 7	1	OK		o-toluidine
05111530000863	16	0090	0	1	64 1	1	OK		o-toluidine
05111530000864	16	0090	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000865	16	0090	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000866	16	0090	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000867	16	0090	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000868	16	0090	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000869	16	0093	-1	0	95 0	1	OK		o-toluidine
05111530000870	16	0093	0	1	93 9	1	OK		o-toluidine
05111530000871	16	0093	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000872	16	0093	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000873	16	0093	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000874	16	0093	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000875	16	0093	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000876	5	0104	-1	0	230	1	OK		o-toluidine
05111530000877	5	0104	0	1	117	1	OK		o-toluidine
05111530000878	16	0104	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000879	16	0104	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000880	16	0104	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000881	16	0104	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000882	16	0104	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000883	5	0105	-1	0	104	1	OK		o-toluidine
05111530000884	5	0105	0	1	126	1	OK		o-toluidine
05111530000885	5	0105	1	2	164	1	OK		o-toluidine
05111530000886	5	0105	2	3	122	1	OK		o-toluidine
05111530000887	16	0105	3	4	95 5	1	OK		o-toluidine
05111530000888	16	0105	4	5	74 3	1	OK		o-toluidine
05111530000889	16	0105	5	6	52 8	1	OK		o-toluidine
05111530000890	16	0106	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000891	16	0106	0	1	59 6	1	OK		o-toluidine
05111530000892	16	0106	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000893	16	0106	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000894	16	0106	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000895	16	0106	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000896	16	0106	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000897	5	0107	-1	0	221	1	OK		o-toluidine
05111530000898	16	0107	0	1	96 9	1	OK		o-toluidine
05111530000899	16	0107	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000900	16	0107	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000901	16	0107	3	4	73 1	1	OK		o-toluidine
05111530000902	16	0107	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000903	16	0107	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000904	5	0110	-1	0	102	1	OK		o-toluidine
05111530000905	5	0110	0	1	136	1	OK		o-toluidine
05111530000906	16	0110	1	2	57 4	1	OK		o-toluidine
05111530000907	16	0110	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000908	16	0110	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000909	16	0110	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000910	16	0110	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000911	5	0112	-1	0	152	1	OK		o-toluidine
05111530000912	5	0112	0	1	113	1	OK		o-toluidine
05111530000913	16	0112	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000914	16	0112	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000915	16	0112	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000916	16	0112	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000917	16	0112	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000918	16	0114	-1	0	56 7	1	OK		o-toluidine
05111530000919	16	0114	0	1	94 9	1	OK		o-toluidine
05111530000920	16	0114	1	2	55 9	1	OK		o-toluidine
05111530000921	16	0114	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000922	16	0114	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000923	5	0114	4	5	172	1	OK		o-toluidine
05111530000924	16	0114	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000925	16	0117	-1	0	71 1	1	OK		o-toluidine
05111530000926	16	0117	0	1	92 2	1	OK		o-toluidine
05111530000927	5	0117	1	2	101	1	OK		o-toluidine
05111530000928	5	0117	2	3	111	1	OK		o-toluidine
05111530000929	16	0117	3	4	98 1	1	OK		o-toluidine
05111530000930	16	0117	4	5	71 1	1	OK		o-toluidine
05111530000931	16	0117	5	6	51 3	1	OK		o-toluidine
05111530000932	5	0118	-1	0	124	1	OK		o-toluidine
05111530000933	5	0118	0	1	141	1	OK		o-toluidine
05111530000934	5	0118	1	2	154	1	OK		o-toluidine
05111530000935	5	0118	2	3	121	1	OK		o-toluidine
05111530000936	5	0118	3	4	194	1	OK		o-toluidine
05111530000937	5	0118	4	5	120	1	OK		o-toluidine
05111530000938	5	0118	5	6	130	1	OK		o-toluidine
05111530000939	16	0121	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000940	16	0121	0	1	69 2	1	OK		o-toluidine
05111530000941	16	0121	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000942	16	0121	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000943	16	0121	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000944	16	0121	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000945	16	0121	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000946	6	0122	-1	0	82 4	1	OK		o-toluidine
05111530000947	6	0122	0	1	55 0	1	OK		o-toluidine
05111530000948	6	0122	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000949	6	0122	2	3	BLQ<(50 0)	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000950	6	0122	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000951	6	0122	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000952	6	0122	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000953	6	0123	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530000954	6	0123	0	1	62 0	1	OK		o-toluidine
05111530000955	6	0123	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000956	6	0123	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000957	6	0123	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000958	6	0123	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000959	6	0123	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000960	6	0126	-1	0	79 2	1	OK		o-toluidine
05111530000961	6	0126	0	1	70 2	1	OK		o-toluidine
05111530000962	6	0126	1	2	78 5	1	OK		o-toluidine
05111530000963	6	0126	2	3	50 5	1	OK		o-toluidine
05111530000964	6	0126	3	4	57 8	1	OK		o-toluidine
05111530000965	6	0126	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000966	6	0126	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000967	6	0127	-1	0	198	1	OK		o-toluidine
05111530000968	6	0127	0	1	78 4	1	OK		o-toluidine
05111530000969	6	0127	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000970	6	0127	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000971	6	0127	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000972	6	0127	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000973	6	0127	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000974	6	0128	-1	0	190	1	OK		o-toluidine
05111530000975	6	0128	0	1	143	1	OK		o-toluidine
05111530000976	6	0128	1	2	57 2	1	OK		o-toluidine
05111530000977	6	0128	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000978	6	0128	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000979	6	0128	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000980	6	0128	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000981	6	0129	-1	0	88 4	1	OK		o-toluidine
05111530000982	6	0129	0	1	86 8	1	OK		o-toluidine
05111530000983	6	0129	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000984	6	0129	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000985	6	0129	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000986	6	0129	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000987	6	0129	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000988	6	0130	-1	0	105	1	OK		o-toluidine
05111530000989	6	0130	0	1	111	1	OK		o-toluidine
05111530000990	6	0130	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530000991	6	0130	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000992	6	0130	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530000993	6	0130	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530000994	6	0130	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530000995	6	0133	-1	0	123	1	OK		o-toluidine
05111530000996	6	0133	0	1	114	1	OK		o-toluidine
05111530000997	6	0133	1	2	69 0	1	OK		o-toluidine
05111530000998	6	0133	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530000999	6	0133	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001000	6	0133	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001001	6	0133	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001002	6	0134	-1	0	138	1	OK		o-toluidine
05111530001003	6	0134	0	1	131	1	OK		o-toluidine
05111530001004	6	0134	1	2	53 1	1	OK		o-toluidine
05111530001005	6	0134	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001006	6	0134	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001007	6	0134	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001008	6	0134	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001009	6	0136	-1	0	166	1	OK		o-toluidine
05111530001010	6	0136	0	1	144	1	OK		o-toluidine
05111530001011	6	0136	1	2	89 4	1	OK		o-toluidine
05111530001012	6	0136	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001013	6	0136	3	4	60 2	1	OK		o-toluidine
05111530001014	6	0136	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001015	6	0136	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001016	6	0137	-1	0	96 0	1	OK		o-toluidine
05111530001017	6	0137	0	1	84 4	1	OK		o-toluidine
05111530001018	6	0137	1	2	54 5	1	OK		o-toluidine
05111530001019	6	0137	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001020	6	0137	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001021	6	0137	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001022	6	0137	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001023	6	0139	-1	0	117	1	OK		o-toluidine
05111530001024	6	0139	0	1	112	1	OK		o-toluidine
05111530001025	6	0139	1	2	81 4	1	OK		o-toluidine
05111530001026	6	0139	2	3	78 8	1	OK		o-toluidine
05111530001027	6	0139	3	4	114	1	OK		o-toluidine
05111530001028	6	0139	4	5	86 6	1	OK		o-toluidine
05111530001029	6	0139	5	6	96 6	1	OK		o-toluidine
05111530001030	7	0140	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530001031	7	0140	0	1	56 2	1	OK		o-toluidine
05111530001032	7	0140	1	2	53 3	1	OK		o-toluidine
05111530001033	7	0140	2	3	53 5	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001034	7	0140	3	4	63.4	1	OK		o-toluidine
05111530001035	7	0140	4	5	54.7	1	OK		o-toluidine
05111530001036	7	0140	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530001037	7	0145	-1	0	80.7	1	OK		o-toluidine
05111530001038	7	0145	0	1	85.0	1	OK		o-toluidine
05111530001039	7	0145	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530001040	7	0145	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530001041	7	0145	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530001042	7	0145	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530001043	7	0145	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530001044	7	0147	-1	0	72.5	1	OK		o-toluidine
05111530001045	7	0147	0	1	71.9	1	OK		o-toluidine
05111530001046	7	0147	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530001047	7	0147	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530001048	7	0147	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530001049	7	0147	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530001050	7	0147	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530001051	7	0148	-1	0	257	1	OK		o-toluidine
05111530001052	7	0148	0	1	221	1	OK		o-toluidine
05111530001053	7	0148	1	2	210	1	OK		o-toluidine
05111530001054	7	0148	2	3	139	1	OK		o-toluidine
05111530001055	7	0148	3	4	153	1	OK		o-toluidine
05111530001056	7	0148	4	5	160	1	OK		o-toluidine
05111530001057	7	0148	5	6	140	1	OK		o-toluidine
05111530001058	7	0149	-1	0	81.5	1	OK		o-toluidine
05111530001059	7	0149	0	1	60.8	1	OK		o-toluidine
05111530001060	7	0149	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530001061	7	0149	2	3	BLQ<(50.0)	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001062	7	0149	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001063	7	0149	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001064	7	0149	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001065	7	0150	-1	0	153	1	OK		o-toluidine
05111530001066	7	0150	0	1	114	1	OK		o-toluidine
05111530001067	7	0150	1	2	72 8	1	OK		o-toluidine
05111530001068	7	0150	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001069	7	0150	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001070	7	0150	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001071	7	0150	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001072	7	0152	-1	0	BLQ<(50 0)	1	OK		o-toluidine
05111530001073	7	0152	0	1	BLQ<(50 0)	1	OK		o-toluidine
05111530001074	7	0152	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530001075	7	0152	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001076	7	0152	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001077	7	0152	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001078	7	0152	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001079	7	0153	-1	0	56 9	1	OK		o-toluidine
05111530001080	7	0153	0	1	84 8	1	OK		o-toluidine
05111530001081	7	0153	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530001082	7	0153	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001083	7	0153	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001084	7	0153	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001085	7	0153	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001086	7	0155	-1	0	69 9	1	OK		o-toluidine
05111530001087	7	0155	0	1	76 4	1	OK		o-toluidine
05111530001088	7	0155	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530001089	7	0155	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001090	7	0155	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001091	7	0155	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001092	7	0155	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001093	7	0156	-1	0	145	1	OK		o-toluidine
05111530001094	7	0156	0	1	171	1	OK		o-toluidine
05111530001095	7	0156	1	2	169	1	OK		o-toluidine
05111530001096	7	0156	2	3	156	1	OK		o-toluidine
05111530001097	7	0156	3	4	168	1	OK		o-toluidine
05111530001098	7	0156	4	5	189	1	OK		o-toluidine
05111530001099	7	0156	5	6	131	1	OK		o-toluidine
05111530001100	7	0160	-1	0	88 9	1	OK		o-toluidine
05111530001101	7	0160	0	1	102	1	OK		o-toluidine
05111530001102	7	0160	1	2	99 5	1	OK		o-toluidine
05111530001103	7	0160	2	3	73 5	1	OK		o-toluidine
05111530001104	7	0160	3	4	92 7	1	OK		o-toluidine
05111530001105	7	0160	4	5	77 8	1	OK		o-toluidine
05111530001106	7	0160	5	6	86 4	1	OK		o-toluidine
05111530001107	7	0162	-1	0	83 6	1	OK		o-toluidine
05111530001108	7	0162	0	1	103	1	OK		o-toluidine
05111530001109	7	0162	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530001110	7	0162	2	3	BLQ<(50 0)	1	OK		o-toluidine
05111530001111	7	0162	3	4	52 8	1	OK		o-toluidine
05111530001112	7	0162	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001113	7	0162	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001114	8	0167	-1	0	114	1	OK		o-toluidine
05111530001115	8	0167	0	1	132	1	OK		o-toluidine
05111530001116	8	0167	1	2	BLQ<(50 0)	1	OK		o-toluidine
05111530001117	8	0167	2	3	BLQ<(50 0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001118	8	0167	3	4	BLQ<(50 0)	1	OK		o-toluidine
05111530001119	8	0167	4	5	BLQ<(50 0)	1	OK		o-toluidine
05111530001120	8	0167	5	6	BLQ<(50 0)	1	OK		o-toluidine
05111530001165	15	0017	1	2	BLQ<(50 0)	2	OK		o-toluidine
05111530001457		0211	-1	0		2	Other	Analysis not required	o-toluidine
05111530001458		0211	0	1		2	Other	Analysis not required	o-toluidine
05111530001541		0242	-1	0		2	Other	Analysis not required	o-toluidine
05111530001542		0242	0	1		2	Other	Analysis not required	o-toluidine
05111530001555		0245	-1	0		2	Other	Analysis not required	o-toluidine
05111530001556		0245	0	1		2	Other	Analysis not required	o-toluidine
05111530001562		0247	-1	0		2	Other	Analysis not required	o-toluidine
05111530001563		0247	0	1		2	Other	Analysis not required	o-toluidine
05111530001632		0269	-1	0		2	Other	Analysis not required	o-toluidine
05111530001633		0269	0	1		2	Other	Analysis not required	o-toluidine
05111530001716		0288	-1	0		2	Other	Analysis not required	o-toluidine
05111530001717		0288	0	1		2	Other	Analysis not required	o-toluidine
05111530001758		0299	-1	0		2	Other	Analysis not required	o-toluidine
05111530001759		0299	0	1		2	Other	Analysis not required	o-toluidine
05111530001800		0309	-1	0		2	Other	Analysis not required	o-toluidine
05111530001801		0309	0	1		2	Other	Analysis not required	o-toluidine
05111530001807		0312	-1	0		2	Other	Analysis not required	o-toluidine
05111530001808		0312	0	1		2	Other	Analysis not required	o-toluidine
05111530002248	13	0313	-1	0	62 9	1	OK		o-toluidine
05111530002249	13	0313	0	1	72 0	1	OK		o-toluidine
05111530002250	13	0313	1	2	85 4	1	OK		o-toluidine
05111530002251	13	0313	2	3	51 1	1	OK		o-toluidine
05111530002252	13	0313	3	4	69 4	1	OK		o-toluidine
05111530002253	13	0313	4	5	51 9	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002254	13	0313	5	6	54.3	1	OK		o-toluidine
05111530002262	13	0315	-1	0	133	1	OK		o-toluidine
05111530002263	13	0315	0	1	137	1	OK		o-toluidine
05111530002264	13	0315	1	2	97.0	1	OK		o-toluidine
05111530002265	13	0315	2	3	134	1	OK		o-toluidine
05111530002266	13	0315	3	4	117	1	OK		o-toluidine
05111530002267	13	0315	4	5	94.7	1	OK		o-toluidine
05111530002268	13	0315	5	6	104	1	OK		o-toluidine
05111530002276	13	0316	-1	0	BLQ<(50.0)	1	OK		o-toluidine
05111530002277	13	0316	0	1	BLQ<(50.0)	1	OK		o-toluidine
05111530002278	13	0316	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530002279	13	0316	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530002280	13	0316	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530002281	13	0316	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530002282	13	0316	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530002290	13	0317	-1	0	82.5	1	OK		o-toluidine
05111530002291	13	0317	0	1	74.0	1	OK		o-toluidine
05111530002292	13	0317	1	2	54.9	1	OK		o-toluidine
05111530002293	13	0317	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530002294	13	0317	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530002295	13	0317	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530002296	13	0317	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530002304	13	0318	-1	0	92.0	1	OK		o-toluidine
05111530002305	13	0318	0	1	93.1	1	OK		o-toluidine
05111530002306	13	0318	1	2	112	1	OK		o-toluidine
05111530002307	13	0318	2	3	53.3	1	OK		o-toluidine
05111530002308	13	0318	3	4	122	1	OK		o-toluidine
05111530002309	13	0318	4	5	107	1	OK		o-toluidine





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002310	13	0318	5	6	164	1	OK		o-toluidine
05111530002318	13	0320	-1	0	150	1	OK		o-toluidine
05111530002319	13	0320	0	1	168	1	OK		o-toluidine
05111530002320	13	0320	1	2	52.8	1	OK		o-toluidine
05111530002321	13	0320	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530002322	13	0320	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530002323	13	0320	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530002324	13	0320	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530002332	13	0321	-1	0	53.7	1	OK		o-toluidine
05111530002333	13	0321	0	1	86.5	1	OK		o-toluidine
05111530002334	13	0321	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530002335	13	0321	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530002336	13	0321	3	4	BLQ<(50.0)	1	OK		o-toluidine
05111530002337	13	0321	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530002338	13	0321	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530002342	23	0322	2	3	78.7	2	OK		o-toluidine
05111530002346	14	0322	-1	0	106	1	OK		o-toluidine
05111530002347	14	0322	0	1	115	1	OK		o-toluidine
05111530002348	15	0322	1	2	77.4	1	OK		o-toluidine
05111530002350	15	0322	3	4	68.3	1	OK		o-toluidine
05111530002351	16	0322	4	5	51.3	1	OK		o-toluidine
05111530002352	16	0322	5	6	54.6	1	OK		o-toluidine
05111530002360	14	0325	-1	0	193	1	OK		o-toluidine
05111530002361	14	0325	0	1	171	1	OK		o-toluidine
05111530002362	14	0325	1	2	119	1	OK		o-toluidine
05111530002363	16	0325	2	3	55.0	1	OK		o-toluidine
05111530002364	16	0325	3	4	58.0	1	OK		o-toluidine
05111530002365	16	0325	4	5	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002366	12	0325	5	6	BLQ<(50.0)	1	OK		o-toluidine
05111530002374	12	0328	-1	0	BLQ<(50.0)	1	OK		o-toluidine
05111530002375	12	0328	0	1	63.4	1	OK		o-toluidine
05111530002376	17	0328	1	2	BLQ<(50.0)	1	OK		o-toluidine
05111530002377	17	0328	2	3	BLQ<(50.0)	1	OK		o-toluidine
05111530002378	17	0328	3	4	54.0	1	OK		o-toluidine
05111530002379	17	0328	4	5	BLQ<(50.0)	1	OK		o-toluidine
05111530002380	17	0328	5	6	BLQ<(50.0)	1	OK		o-toluidine



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 16 Study Sample Concentrations for 2-Aminonaphthalene

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000001	1	0008	-1	0	32.0	1	OK		2-aminonaphthalene
05111530000002	1	0008	0	1	31.7	1	OK		2-aminonaphthalene
05111530000003	1	0008	1	2	9.69	1	OK		2-aminonaphthalene
05111530000004	1	0008	2	3	2.95	1	OK		2-aminonaphthalene
05111530000005	1	0008	3	4	2.69	1	OK		2-aminonaphthalene
05111530000006	1	0008	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000007	1	0008	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000008	1	0010	-1	0	16.9	1	OK		2-aminonaphthalene
05111530000009	1	0010	0	1	6.02	1	OK		2-aminonaphthalene
05111530000010	1	0010	1	2	3.14	1	OK		2-aminonaphthalene
05111530000011	1	0010	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000012	1	0010	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000013	1	0010	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000014	1	0010	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000015	1	0011	-1	0	15.0	1	OK		2-aminonaphthalene
05111530000016	1	0011	0	1	20.3	1	OK		2-aminonaphthalene
05111530000017	1	0011	1	2	3.78	1	OK		2-aminonaphthalene
05111530000018	1	0011	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000019	1	0011	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000020	1	0011	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000021	1	0011	5	6	2.54	1	OK		2-aminonaphthalene
05111530000022	1	0014	-1	0	18.2	1	OK		2-aminonaphthalene
05111530000023	1	0014	0	1	34.6	1	OK		2-aminonaphthalene
05111530000024	1	0014	1	2	4.06	1	OK		2-aminonaphthalene
05111530000025	1	0014	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000026	1	0014	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000027	1	0014	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000028	1	0014	5	6	2 91	1	OK		2-aminonaphthalene
05111530000029	1	0015	-1	0	31 1	1	OK		2-aminonaphthalene
05111530000030	1	0015	0	1	19 9	1	OK		2-aminonaphthalene
05111530000031	1	0015	1	2	3 68	1	OK		2-aminonaphthalene
05111530000032	1	0015	2	3	2 62	1	OK		2-aminonaphthalene
05111530000033	1	0015	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000034	1	0015	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000035	1	0015	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000036	1	0016	-1	0	26 0	1	OK		2-aminonaphthalene
05111530000037	1	0016	0	1	11 0	1	OK		2-aminonaphthalene
05111530000038	1	0016	1	2	4 22	1	OK		2-aminonaphthalene
05111530000039	1	0016	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000040	1	0016	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000041	1	0016	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000042	1	0016	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000043	1	0017	-1	0	10 0	1	OK		2-aminonaphthalene
05111530000044	1	0017	0	1	7 79	1	OK		2-aminonaphthalene
05111530000046	1	0017	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000047	1	0017	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000048	1	0017	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000049	1	0017	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000050	1	0020	-1	0	14 6	1	OK		2-aminonaphthalene
05111530000051	1	0020	0	1	15 7	1	OK		2-aminonaphthalene
05111530000052	1	0020	1	2	3 48	1	OK		2-aminonaphthalene
05111530000053	1	0020	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000054	1	0020	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000055	1	0020	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000056	1	0020	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000057	2	0022	-1	0	23 9	1	OK		2-aminonaphthalene
05111530000058	2	0022	0	1	27 9	1	OK		2-aminonaphthalene
05111530000059	2	0022	1	2	4 91	1	OK		2-aminonaphthalene
05111530000060	2	0022	2	3	2 60	1	OK		2-aminonaphthalene
05111530000061	2	0022	3	4	2 88	1	OK		2-aminonaphthalene
05111530000062	2	0022	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000063	2	0022	5	6	2 75	1	OK		2-aminonaphthalene
05111530000064	2	0023	-1	0	16 0	1	OK		2-aminonaphthalene
05111530000065	2	0023	0	1	14 3	1	OK		2-aminonaphthalene
05111530000066	2	0023	1	2	3 60	1	OK		2-aminonaphthalene
05111530000067	2	0023	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000068	2	0023	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000069	2	0023	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000070	2	0023	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000071	2	0029	-1	0	18 9	1	OK		2-aminonaphthalene
05111530000072	2	0029	0	1	8 26	1	OK		2-aminonaphthalene
05111530000073	2	0029	1	2	11 8	1	OK		2-aminonaphthalene
05111530000074	2	0029	2	3	12 7	1	OK		2-aminonaphthalene
05111530000075	2	0029	3	4	9 80	1	OK		2-aminonaphthalene
05111530000076	2	0029	4	5	4 58	1	OK		2-aminonaphthalene
05111530000077	2	0029	5	6	10 9	1	OK		2-aminonaphthalene
05111530000078	2	0030	-1	0	9 56	1	OK		2-aminonaphthalene
05111530000079	2	0030	0	1	11 7	1	OK		2-aminonaphthalene
05111530000080	2	0030	1	2	2 94	1	OK		2-aminonaphthalene
05111530000081	2	0030	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000082	2	0030	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000083	2	0030	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000084	15	0030	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000085	2	0031	-1	0	20 6	1	OK		2-aminonaphthalene
05111530000086	2	0031	0	1	34 7	1	OK		2-aminonaphthalene
05111530000087	2	0031	1	2	4 94	1	OK		2-aminonaphthalene
05111530000088	2	0031	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000089	2	0031	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000090	2	0031	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000091	2	0031	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000092	2	0034	-1	0	14 6	1	OK		2-aminonaphthalene
05111530000093	2	0034	0	1	15 0	1	OK		2-aminonaphthalene
05111530000094	2	0034	1	2	4 88	1	OK		2-aminonaphthalene
05111530000095	2	0034	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000096	2	0034	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000097	2	0034	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000098	2	0034	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000099	2	0035	-1	0	18 5	1	OK		2-aminonaphthalene
05111530000100	2	0035	0	1	21 4	1	OK		2-aminonaphthalene
05111530000101	2	0035	1	2	19 1	1	OK		2-aminonaphthalene
05111530000102	2	0035	2	3	14 1	1	OK		2-aminonaphthalene
05111530000103	2	0035	3	4	13 1	1	OK		2-aminonaphthalene
05111530000104	2	0035	4	5	16 5	1	OK		2-aminonaphthalene
05111530000105	2	0035	5	6	20 6	1	OK		2-aminonaphthalene
05111530000106	2	0038	-1	0	35 9	1	OK		2-aminonaphthalene
05111530000107	2	0038	0	1	30 0	1	OK		2-aminonaphthalene
05111530000108	2	0038	1	2	7 47	1	OK		2-aminonaphthalene
05111530000109	2	0038	2	3	2 91	1	OK		2-aminonaphthalene
05111530000110	2	0038	3	4	2 77	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000111	2	0038	4	5	2 82	1	OK		2-aminonaphthalene
05111530000112	2	0038	5	6	3 20	1	OK		2-aminonaphthalene
05111530000113	2	0039	-1	0	14 0	1	OK		2-aminonaphthalene
05111530000114	2	0039	0	1	14 5	1	OK		2-aminonaphthalene
05111530000115	2	0039	1	2	5 13	1	OK		2-aminonaphthalene
05111530000116	2	0039	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000117	2	0039	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000118	2	0039	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000119	2	0039	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000120	3	0044	-1	0	7 76	1	OK		2-aminonaphthalene
05111530000121	3	0044	0	1	10 9	1	OK		2-aminonaphthalene
05111530000122	3	0044	1	2	3 95	1	OK		2-aminonaphthalene
05111530000123	3	0044	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000124	3	0044	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000125	3	0044	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000126	3	0044	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000127	3	0049	-1	0	15 3	1	OK		2-aminonaphthalene
05111530000128	3	0049	0	1	3 99	1	OK		2-aminonaphthalene
05111530000129	3	0049	1	2	3 51	1	OK		2-aminonaphthalene
05111530000130	3	0049	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000131	3	0049	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000132	3	0049	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000133	3	0049	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000134	3	0052	-1	0	21 1	1	OK		2-aminonaphthalene
05111530000135	3	0052	0	1	23 7	1	OK		2-aminonaphthalene
05111530000136	3	0052	1	2	7 89	1	OK		2-aminonaphthalene
05111530000137	3	0052	2	3	5 56	1	OK		2-aminonaphthalene
05111530000138	3	0052	3	4	2 53	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000139	3	0052	4	5	2.94	1	OK		2-aminonaphthalene
05111530000140	3	0052	5	6	3.66	1	OK		2-aminonaphthalene
05111530000141	3	0053	-1	0	23.1	1	OK		2-aminonaphthalene
05111530000142	3	0053	0	1	20.9	1	OK		2-aminonaphthalene
05111530000143	3	0053	1	2	21.5	1	OK		2-aminonaphthalene
05111530000144	3	0053	2	3	20.1	1	OK		2-aminonaphthalene
05111530000145	3	0053	3	4	20.9	1	OK		2-aminonaphthalene
05111530000146	3	0053	4	5	14.1	1	OK		2-aminonaphthalene
05111530000147	3	0053	5	6	21.7	1	OK		2-aminonaphthalene
05111530000148	3	0057	-1	0	8.11	1	OK		2-aminonaphthalene
05111530000149	3	0057	0	1	11.1	1	OK		2-aminonaphthalene
05111530000150	3	0057	1	2	4.84	1	OK		2-aminonaphthalene
05111530000151	3	0057	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000152	3	0057	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000153	3	0057	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000154	3	0057	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000155	3	0060	-1	0	14.4	1	OK		2-aminonaphthalene
05111530000156	3	0060	0	1	13.5	1	OK		2-aminonaphthalene
05111530000157	3	0060	1	2	3.55	1	OK		2-aminonaphthalene
05111530000158	3	0060	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000159	3	0060	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000160	3	0060	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000161	3	0060	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000162	3	0062	-1	0	8.67	1	OK		2-aminonaphthalene
05111530000163	3	0062	0	1	12.5	1	OK		2-aminonaphthalene
05111530000164	3	0062	1	2	2.75	1	OK		2-aminonaphthalene
05111530000165	3	0062	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000166	3	0062	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000167	3	0062	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000168	3	0062	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000169	3	0064	-1	0	9.78	1	OK		2-aminonaphthalene
05111530000170	3	0064	0	1	17.9	1	OK		2-aminonaphthalene
05111530000171	3	0064	1	2	9.27	1	OK		2-aminonaphthalene
05111530000172	3	0064	2	3	6.97	1	OK		2-aminonaphthalene
05111530000173	3	0064	3	4	10.9	1	OK		2-aminonaphthalene
05111530000174	3	0064	4	5	8.31	1	OK		2-aminonaphthalene
05111530000175	3	0064	5	6	15.0	1	OK		2-aminonaphthalene
05111530000176	3	0055	-1	0	13.1	1	OK		2-aminonaphthalene
05111530000177	3	0055	0	1	14.6	1	OK		2-aminonaphthalene
05111530000178	3	0055	1	2	14.6	1	OK		2-aminonaphthalene
05111530000179	3	0055	2	3	13.2	1	OK		2-aminonaphthalene
05111530000180	3	0055	3	4	8.97	1	OK		2-aminonaphthalene
05111530000181	3	0055	4	5	14.7	1	OK		2-aminonaphthalene
05111530000182	3	0055	5	6	17.6	1	OK		2-aminonaphthalene
05111530000183	8	0169	-1	0	7.00	1	OK		2-aminonaphthalene
05111530000184	8	0169	0	1	5.77	1	OK		2-aminonaphthalene
05111530000185	8	0169	1	2	4.34	1	OK		2-aminonaphthalene
05111530000186	8	0169	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000187	8	0169	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000188	8	0169	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000189	8	0169	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000190	8	0170	-1	0	13.7	1	OK		2-aminonaphthalene
05111530000191	8	0170	0	1	9.95	1	OK		2-aminonaphthalene
05111530000192	8	0170	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000193	8	0170	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000194	8	0170	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000195	8	0170	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000196	8	0170	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000197	8	0177	-1	0	27 0	1	OK		2-aminonaphthalene
05111530000198	8	0177	0	1	31 2	1	OK		2-aminonaphthalene
05111530000199	8	0177	1	2	5 42	1	OK		2-aminonaphthalene
05111530000200	8	0177	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000201	8	0177	3	4	2 62	1	OK		2-aminonaphthalene
05111530000202	8	0177	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000203	8	0177	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000204	8	0183	-1	0	19 9	1	OK		2-aminonaphthalene
05111530000205	8	0183	0	1	17 9	1	OK		2-aminonaphthalene
05111530000206	8	0183	1	2	3 54	1	OK		2-aminonaphthalene
05111530000207	8	0183	2	3	3 04	1	OK		2-aminonaphthalene
05111530000208	8	0183	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000209	8	0183	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000210	8	0183	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000211	8	0185	-1	0	33 5	1	OK		2-aminonaphthalene
05111530000212	8	0185	0	1	18 9	1	OK		2-aminonaphthalene
05111530000213	8	0185	1	2	7 05	1	OK		2-aminonaphthalene
05111530000214	8	0185	2	3	3 19	1	OK		2-aminonaphthalene
05111530000215	8	0185	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000216	8	0185	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000217	8	0185	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000218	8	0187	-1	0	20 8	1	OK		2-aminonaphthalene
05111530000219	8	0187	0	1	13 3	1	OK		2-aminonaphthalene
05111530000220	8	0187	1	2	15 9	1	OK		2-aminonaphthalene
05111530000221	8	0187	2	3	22 4	1	OK		2-aminonaphthalene
05111530000222	8	0187	3	4	31 6	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000223	8	0187	4	5	20.1	1	OK		2-aminonaphthalene
05111530000224	8	0187	5	6	13.4	1	OK		2-aminonaphthalene
05111530000225	8	0190	-1	0	16.1	1	OK		2-aminonaphthalene
05111530000226	8	0190	0	1	19.0	1	OK		2-aminonaphthalene
05111530000227	8	0190	1	2	5.66	1	OK		2-aminonaphthalene
05111530000228	8	0190	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000229	8	0190	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000230	8	0190	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000231	8	0190	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000232	8	0191	-1	0	7.11	1	OK		2-aminonaphthalene
05111530000233	8	0191	0	1	8.99	1	OK		2-aminonaphthalene
05111530000234	8	0191	1	2	8.76	1	OK		2-aminonaphthalene
05111530000235	8	0191	2	3	8.96	1	OK		2-aminonaphthalene
05111530000236	8	0191	3	4	10.1	1	OK		2-aminonaphthalene
05111530000237	8	0191	4	5	7.69	1	OK		2-aminonaphthalene
05111530000238	8	0191	5	6	6.75	1	OK		2-aminonaphthalene
05111530000239	8	0192	-1	0	32.2	1	OK		2-aminonaphthalene
05111530000240	8	0192	0	1	33.3	1	OK		2-aminonaphthalene
05111530000241	8	0192	1	2	4.61	1	OK		2-aminonaphthalene
05111530000242	8	0192	2	3	3.45	1	OK		2-aminonaphthalene
05111530000243	8	0192	3	4	2.97	1	OK		2-aminonaphthalene
05111530000244	8	0192	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000245	8	0192	5	6	2.72	1	OK		2-aminonaphthalene
05111530000246	8	0181	-1	0	53.1	1	OK		2-aminonaphthalene
05111530000247	8	0181	0	1	47.2	1	OK		2-aminonaphthalene
05111530000248	8	0181	1	2	8.87	1	OK		2-aminonaphthalene
05111530000249	8	0181	2	3	2.90	1	OK		2-aminonaphthalene
05111530000250	8	0181	3	4	3.54	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000251	8	0181	4	5	2.72	1	OK		2-aminonaphthalene
05111530000252	8	0181	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000253	8	0189	-1	0	15.8	1	OK		2-aminonaphthalene
05111530000254	8	0189	0	1	13.8	1	OK		2-aminonaphthalene
05111530000255	8	0189	1	2	2.88	1	OK		2-aminonaphthalene
05111530000256	8	0189	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000257	15	0189	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000258	8	0189	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000259	8	0189	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000260	9	0193	-1	0	13.6	1	OK		2-aminonaphthalene
05111530000261	9	0193	0	1	30.0	1	OK		2-aminonaphthalene
05111530000262	9	0193	1	2	4.43	1	OK		2-aminonaphthalene
05111530000263	9	0193	2	3	2.53	1	OK		2-aminonaphthalene
05111530000264	9	0193	3	4	2.91	1	OK		2-aminonaphthalene
05111530000265	9	0193	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000266	9	0193	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000267	9	0195	-1	0	12.6	1	OK		2-aminonaphthalene
05111530000268	9	0195	0	1	14.4	1	OK		2-aminonaphthalene
05111530000269	9	0195	1	2	3.41	1	OK		2-aminonaphthalene
05111530000270	9	0195	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000271	9	0195	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000272	9	0195	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000273	9	0195	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000274	9	0196	-1	0	4.50	1	OK		2-aminonaphthalene
05111530000275	9	0196	0	1	6.29	1	OK		2-aminonaphthalene
05111530000276	9	0196	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000277	9	0196	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000278	9	0196	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000279	9	0196	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000280	9	0196	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000281	9	0197	-1	0	18.8	1	OK		2-aminonaphthalene
05111530000282	9	0197	0	1	41.9	1	OK		2-aminonaphthalene
05111530000283	9	0197	1	2	9.24	1	OK		2-aminonaphthalene
05111530000284	9	0197	2	3	4.85	1	OK		2-aminonaphthalene
05111530000285	9	0197	3	4	3.22	1	OK		2-aminonaphthalene
05111530000286	9	0197	4	5	3.12	1	OK		2-aminonaphthalene
05111530000287	9	0197	5	6	2.92	1	OK		2-aminonaphthalene
05111530000288	9	0198	-1	0	18.1	1	OK		2-aminonaphthalene
05111530000289	9	0198	0	1	42.1	1	OK		2-aminonaphthalene
05111530000290	9	0198	1	2	27.6	1	OK		2-aminonaphthalene
05111530000291	9	0198	2	3	38.4	1	OK		2-aminonaphthalene
05111530000292	9	0198	3	4	36.0	1	OK		2-aminonaphthalene
05111530000293	9	0198	4	5	38.7	1	OK		2-aminonaphthalene
05111530000294	9	0198	5	6	29.8	1	OK		2-aminonaphthalene
05111530000295	9	0200	-1	0	7.86	1	OK		2-aminonaphthalene
05111530000296	9	0200	0	1	13.3	1	OK		2-aminonaphthalene
05111530000297	9	0200	1	2	11.9	1	OK		2-aminonaphthalene
05111530000298	9	0200	2	3	9.07	1	OK		2-aminonaphthalene
05111530000299	9	0200	3	4	12.5	1	OK		2-aminonaphthalene
05111530000300	9	0200	4	5	11.8	1	OK		2-aminonaphthalene
05111530000301	9	0200	5	6	6.17	1	OK		2-aminonaphthalene
05111530000302	9	0202	-1	0	11.7	1	OK		2-aminonaphthalene
05111530000303	9	0202	0	1	20.1	1	OK		2-aminonaphthalene
05111530000304	9	0202	1	2	4.62	1	OK		2-aminonaphthalene
05111530000305	9	0202	2	3	2.52	1	OK		2-aminonaphthalene
05111530000306	9	0202	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000307	9	0202	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000308	9	0202	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000309	9	0203	-1	0	9 78	1	OK		2-aminonaphthalene
05111530000310	9	0203	0	1	12 2	1	OK		2-aminonaphthalene
05111530000311	9	0203	1	2	3 24	1	OK		2-aminonaphthalene
05111530000312	9	0203	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000313	9	0203	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000314	9	0203	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000315	9	0203	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000316	9	0204	-1	0	4 26	1	OK		2-aminonaphthalene
05111530000317	9	0204	0	1	8 58	1	OK		2-aminonaphthalene
05111530000318	9	0204	1	2	7 55	1	OK		2-aminonaphthalene
05111530000319	9	0204	2	3	5 50	1	OK		2-aminonaphthalene
05111530000320	9	0204	3	4	8 53	1	OK		2-aminonaphthalene
05111530000321	9	0204	4	5	6 51	1	OK		2-aminonaphthalene
05111530000322	9	0204	5	6	5 56	1	OK		2-aminonaphthalene
05111530000323	9	0206	-1	0	14 0	1	OK		2-aminonaphthalene
05111530000324	9	0206	0	1	25 7	1	OK		2-aminonaphthalene
05111530000325	9	0206	1	2	6 59	1	OK		2-aminonaphthalene
05111530000326	9	0206	2	3	2 87	1	OK		2-aminonaphthalene
05111530000327	9	0206	3	4	2 70	1	OK		2-aminonaphthalene
05111530000328	9	0206	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000329	9	0206	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000330	9	0210	-1	0	16 8	1	OK		2-aminonaphthalene
05111530000331	9	0210	0	1	13 9	1	OK		2-aminonaphthalene
05111530000332	9	0210	1	2	4 05	1	OK		2-aminonaphthalene
05111530000333	9	0210	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000334	9	0210	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000335	9	0210	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000336	9	0210	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000337		0211	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000338		0211	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000344	9	0216	-1	0	14 6	1	OK		2-aminonaphthalene
05111530000345	9	0216	0	1	26 4	1	OK		2-aminonaphthalene
05111530000346	9	0216	1	2	5 96	1	OK		2-aminonaphthalene
05111530000347	9	0216	2	3	2 63	1	OK		2-aminonaphthalene
05111530000348	9	0216	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000349	9	0216	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000350	9	0216	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000351	10	0218	-1	0	8 51	1	OK		2-aminonaphthalene
05111530000352	10	0218	0	1	21 9	1	OK		2-aminonaphthalene
05111530000353	10	0218	1	2	3 34	1	OK		2-aminonaphthalene
05111530000354	10	0218	2	3	2 78	1	OK		2-aminonaphthalene
05111530000355	10	0218	3	4	3 27	1	OK		2-aminonaphthalene
05111530000356	10	0218	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000357	10	0218	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000358	10	0220	-1	0	9 23	1	OK		2-aminonaphthalene
05111530000359	10	0220	0	1	12 3	1	OK		2-aminonaphthalene
05111530000360	10	0220	1	2	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000361	10	0220	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000362	10	0220	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000363	10	0220	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000364	10	0220	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000365	10	0224	-1	0	11 7	1	OK		2-aminonaphthalene
05111530000366	10	0224	0	1	15 2	1	OK		2-aminonaphthalene
05111530000367	10	0224	1	2	11 1	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000368	10	0224	2	3	12.7	1	OK		2-aminonaphthalene
05111530000369	10	0224	3	4	15.4	1	OK		2-aminonaphthalene
05111530000370	10	0224	4	5	14.7	1	OK		2-aminonaphthalene
05111530000371	10	0224	5	6	9.47	1	OK		2-aminonaphthalene
05111530000372	10	0228	-1	0	15.9	1	OK		2-aminonaphthalene
05111530000373	10	0228	0	1	30.3	1	OK		2-aminonaphthalene
05111530000374	10	0228	1	2	5.41	1	OK		2-aminonaphthalene
05111530000375	10	0228	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000376	10	0228	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000377	10	0228	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000378	22	0228	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000379	10	0229	-1	0	10.0	1	OK		2-aminonaphthalene
05111530000380	10	0229	0	1	9.73	1	OK		2-aminonaphthalene
05111530000381	10	0229	1	2	14.3	1	OK		2-aminonaphthalene
05111530000382	10	0229	2	3	13.4	1	OK		2-aminonaphthalene
05111530000383	10	0229	3	4	16.1	1	OK		2-aminonaphthalene
05111530000384	10	0229	4	5	16.1	1	OK		2-aminonaphthalene
05111530000385	10	0229	5	6	9.10	1	OK		2-aminonaphthalene
05111530000386	10	0230	-1	0	9.62	1	OK		2-aminonaphthalene
05111530000387	10	0230	0	1	17.9	1	OK		2-aminonaphthalene
05111530000388	10	0230	1	2	12.3	1	OK		2-aminonaphthalene
05111530000389	10	0230	2	3	10.5	1	OK		2-aminonaphthalene
05111530000390	10	0230	3	4	11.1	1	OK		2-aminonaphthalene
05111530000391	10	0230	4	5	11.1	1	OK		2-aminonaphthalene
05111530000392	10	0230	5	6	9.92	1	OK		2-aminonaphthalene
05111530000393	10	0232	-1	0	5.98	1	OK		2-aminonaphthalene
05111530000394	10	0232	0	1	6.79	1	OK		2-aminonaphthalene
05111530000395	10	0232	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000396	10	0232	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000397	10	0232	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000398	10	0232	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000399	10	0232	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000400	10	0234	-1	0	11 9	1	OK		2-aminonaphthalene
05111530000401	10	0234	0	1	18 3	1	OK		2-aminonaphthalene
05111530000402	10	0234	1	2	3 06	1	OK		2-aminonaphthalene
05111530000403	10	0234	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000404	10	0234	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000405	10	0234	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000406	10	0234	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000407	10	0240	-1	0	21 6	1	OK		2-aminonaphthalene
05111530000408	10	0240	0	1	25 5	1	OK		2-aminonaphthalene
05111530000409	10	0240	1	2	4 91	1	OK		2-aminonaphthalene
05111530000410	10	0240	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000411	22	0240	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000412	10	0240	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000413	10	0240	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000414	10	0241	-1	0	20 5	1	OK		2-aminonaphthalene
05111530000415	10	0241	0	1	23 5	1	OK		2-aminonaphthalene
05111530000416	10	0241	1	2	4 65	1	OK		2-aminonaphthalene
05111530000417	10	0241	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000418	10	0241	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000419	10	0241	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000420	10	0241	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000421		0242	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000422		0242	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000428	10	0244	-1	0	16 5	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000429	10	0244	0	1	14.8	1	OK		2-aminonaphthalene
05111530000430	10	0244	1	2	3.83	1	OK		2-aminonaphthalene
05111530000431	10	0244	2	3	2.58	1	OK		2-aminonaphthalene
05111530000432	10	0244	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000433	10	0244	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000434	10	0244	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000435		0245	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000436		0245	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000442		0247	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000443		0247	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000449	10	0249	-1	0	42.5	1	OK		2-aminonaphthalene
05111530000450	10	0249	0	1	44.2	1	OK		2-aminonaphthalene
05111530000451	10	0249	1	2	10.1	1	OK		2-aminonaphthalene
05111530000452	10	0249	2	3	6.44	1	OK		2-aminonaphthalene
05111530000453	10	0249	3	4	7.53	1	OK		2-aminonaphthalene
05111530000454	10	0249	4	5	3.93	1	OK		2-aminonaphthalene
05111530000455	10	0249	5	6	4.78	1	OK		2-aminonaphthalene
05111530000456	11	0251	-1	0	10.7	1	OK		2-aminonaphthalene
05111530000457	19	0251	0	1	9.30	1	OK		2-aminonaphthalene
05111530000458	11	0251	1	2	2.70	1	OK		2-aminonaphthalene
05111530000459	11	0251	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000460	11	0251	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000461	11	0251	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000462	11	0251	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000463	11	0252	-1	0	13.8	1	OK		2-aminonaphthalene
05111530000464	11	0252	0	1	17.8	1	OK		2-aminonaphthalene
05111530000465	19	0252	1	2	3.59	1	OK		2-aminonaphthalene
05111530000466	11	0252	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000467	11	0252	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000468	11	0252	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000469	11	0252	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000470	11	0255	-1	0	14 8	1	OK		2-aminonaphthalene
05111530000471	11	0255	0	1	17 2	1	OK		2-aminonaphthalene
05111530000472	11	0255	1	2	3 72	1	OK		2-aminonaphthalene
05111530000473	11	0255	2	3	2 82	1	OK		2-aminonaphthalene
05111530000474	11	0255	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000475	11	0255	4	5	2 82	1	OK		2-aminonaphthalene
05111530000476	11	0255	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000477	11	0256	-1	0	19 1	1	OK		2-aminonaphthalene
05111530000478	11	0256	0	1	20 4	1	OK		2-aminonaphthalene
05111530000479	11	0256	1	2	4 04	1	OK		2-aminonaphthalene
05111530000480	11	0256	2	3	2 69	1	OK		2-aminonaphthalene
05111530000481	11	0256	3	4	2 85	1	OK		2-aminonaphthalene
05111530000482	11	0256	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000483	11	0256	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000484	11	0262	-1	0	13 5	1	OK		2-aminonaphthalene
05111530000485	11	0262	0	1	19 5	1	OK		2-aminonaphthalene
05111530000486	11	0262	1	2	16 1	1	OK		2-aminonaphthalene
05111530000487	11	0262	2	3	16 2	1	OK		2-aminonaphthalene
05111530000488	11	0262	3	4	21 4	1	OK		2-aminonaphthalene
05111530000489	11	0262	4	5	19 8	1	OK		2-aminonaphthalene
05111530000490	11	0262	5	6	7 47	1	OK		2-aminonaphthalene
05111530000491	11	0264	-1	0	6 00	1	OK		2-aminonaphthalene
05111530000492	11	0264	0	1	5 54	1	OK		2-aminonaphthalene
05111530000493	11	0264	1	2	2 69	1	OK		2-aminonaphthalene
05111530000494	11	0264	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000495	11	0264	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000496	11	0264	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000497	11	0264	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000498	11	0265	-1	0	21 8	1	OK		2-aminonaphthalene
05111530000499	11	0265	0	1	28 3	1	OK		2-aminonaphthalene
05111530000500	11	0265	1	2	6 25	1	OK		2-aminonaphthalene
05111530000501	11	0265	2	3	2 91	1	OK		2-aminonaphthalene
05111530000502	11	0265	3	4	3 04	1	OK		2-aminonaphthalene
05111530000503	11	0265	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000504	11	0265	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000505	11	0266	-1	0	22 1	1	OK		2-aminonaphthalene
05111530000506	11	0266	0	1	17 3	1	OK		2-aminonaphthalene
05111530000507	11	0266	1	2	4 60	1	OK		2-aminonaphthalene
05111530000508	11	0266	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000509	11	0266	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000510	11	0266	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000511	11	0266	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000512		0269	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000513		0269	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000519	11	0272	-1	0	31 0	1	OK		2-aminonaphthalene
05111530000520	11	0272	0	1	20 2	1	OK		2-aminonaphthalene
05111530000521	11	0272	1	2	6 99	1	OK		2-aminonaphthalene
05111530000522	11	0272	2	3	5 48	1	OK		2-aminonaphthalene
05111530000523	11	0272	3	4	5 50	1	OK		2-aminonaphthalene
05111530000524	11	0272	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000525	11	0272	5	6	3 61	1	OK		2-aminonaphthalene
05111530000526	11	0273	-1	0	14 5	1	OK		2-aminonaphthalene
05111530000527	11	0273	0	1	20 9	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000528	11	0273	1	2	4.57	1	OK		2-aminonaphthalene
05111530000529	11	0273	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000530	11	0273	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000531	11	0273	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000532	11	0273	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000533	11	0276	-1	0	4.97	1	OK		2-aminonaphthalene
05111530000534	19	0276	0	1	6.79	1	OK		2-aminonaphthalene
05111530000535	19	0276	1	2	2.86	1	OK		2-aminonaphthalene
05111530000536	11	0276	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000537	11	0276	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000538	19	0276	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000539	11	0276	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000540	11	0277	-1	0	13.5	1	OK		2-aminonaphthalene
05111530000541	11	0277	0	1	19.4	1	OK		2-aminonaphthalene
05111530000542	11	0277	1	2	5.18	1	OK		2-aminonaphthalene
05111530000543	11	0277	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000544	19	0277	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000545	11	0277	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000546	11	0277	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000547	12	0278	-1	0	19.9	1	OK		2-aminonaphthalene
05111530000548	12	0278	0	1	19.9	1	OK		2-aminonaphthalene
05111530000549	22	0278	1	2	28.6	1	OK		2-aminonaphthalene
05111530000550	12	0278	2	3	27.2	1	OK		2-aminonaphthalene
05111530000551	12	0278	3	4	23.9	1	OK		2-aminonaphthalene
05111530000552	12	0278	4	5	17.4	1	OK		2-aminonaphthalene
05111530000553	12	0278	5	6	14.4	1	OK		2-aminonaphthalene
05111530000554	12	0279	-1	0	27.9	1	OK		2-aminonaphthalene
05111530000555	12	0279	0	1	18.6	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000556	12	0279	1	2	6.25	1	OK		2-aminonaphthalene
05111530000557	12	0279	2	3	3.03	1	OK		2-aminonaphthalene
05111530000558	12	0279	3	4	3.49	1	OK		2-aminonaphthalene
05111530000559	12	0279	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000560	12	0279	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000561	12	0281	-1	0	38.6	1	OK		2-aminonaphthalene
05111530000562	12	0281	0	1	38.5	1	OK		2-aminonaphthalene
05111530000563	12	0281	1	2	8.60	1	OK		2-aminonaphthalene
05111530000564	12	0281	2	3	4.20	1	OK		2-aminonaphthalene
05111530000565	12	0281	3	4	5.43	1	OK		2-aminonaphthalene
05111530000566	12	0281	4	5	2.66	1	OK		2-aminonaphthalene
05111530000567	12	0281	5	6	3.82	1	OK		2-aminonaphthalene
05111530000568	12	0282	-1	0	11.3	1	OK		2-aminonaphthalene
05111530000569	12	0282	0	1	19.9	1	OK		2-aminonaphthalene
05111530000570	12	0282	1	2	4.64	1	OK		2-aminonaphthalene
05111530000571	12	0282	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000572	12	0282	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000573	12	0282	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000574	12	0282	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000575	12	0283	-1	0	6.51	1	OK		2-aminonaphthalene
05111530000576	12	0283	0	1	8.54	1	OK		2-aminonaphthalene
05111530000577	12	0283	1	2	6.82	1	OK		2-aminonaphthalene
05111530000578	12	0283	2	3	7.60	1	OK		2-aminonaphthalene
05111530000579	12	0283	3	4	6.63	1	OK		2-aminonaphthalene
05111530000580	12	0283	4	5	4.99	1	OK		2-aminonaphthalene
05111530000581	12	0283	5	6	3.96	1	OK		2-aminonaphthalene
05111530000582	12	0285	-1	0	17.1	1	OK		2-aminonaphthalene
05111530000583	12	0285	0	1	34.1	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000584	12	0285	1	2	31.8	1	OK		2-aminonaphthalene
05111530000585	12	0285	2	3	37.0	1	OK		2-aminonaphthalene
05111530000586	12	0285	3	4	29.3	1	OK		2-aminonaphthalene
05111530000587	12	0285	4	5	17.5	1	OK		2-aminonaphthalene
05111530000588	12	0285	5	6	31.5	1	OK		2-aminonaphthalene
05111530000589	12	0287	-1	0	14.9	1	OK		2-aminonaphthalene
05111530000590	12	0287	0	1	17.0	1	OK		2-aminonaphthalene
05111530000591	12	0287	1	2	6.89	1	OK		2-aminonaphthalene
05111530000592	12	0287	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000593	12	0287	3	4	3.04	1	OK		2-aminonaphthalene
05111530000594	12	0287	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000595	12	0287	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000596		0288	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000597		0288	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000603	12	0289	-1	0	15.8	1	OK		2-aminonaphthalene
05111530000604	12	0289	0	1	13.7	1	OK		2-aminonaphthalene
05111530000605	12	0289	1	2	5.74	1	OK		2-aminonaphthalene
05111530000606	12	0289	2	3	2.74	1	OK		2-aminonaphthalene
05111530000607	12	0289	3	4	2.51	1	OK		2-aminonaphthalene
05111530000608	12	0289	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000609	12	0289	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000610	12	0291	-1	0	14.1	1	OK		2-aminonaphthalene
05111530000611	12	0291	0	1	13.3	1	OK		2-aminonaphthalene
05111530000612	12	0291	1	2	2.89	1	OK		2-aminonaphthalene
05111530000613	12	0291	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000614	12	0291	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000615	12	0291	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000616	12	0291	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000617	12	0292	-1	0	13.5	1	OK		2-aminonaphthalene
05111530000618	12	0292	0	1	20.4	1	OK		2-aminonaphthalene
05111530000619	22	0292	1	2	8.21	1	OK		2-aminonaphthalene
05111530000620	12	0292	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000621	12	0292	3	4	2.85	1	OK		2-aminonaphthalene
05111530000622	12	0292	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000623	12	0292	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000624	12	0296	-1	0	21.3	1	OK		2-aminonaphthalene
05111530000625	22	0296	0	1	21.1	1	OK		2-aminonaphthalene
05111530000626	12	0296	1	2	4.55	1	OK		2-aminonaphthalene
05111530000627	12	0296	2	3	4.34	1	OK		2-aminonaphthalene
05111530000628	22	0296	3	4	2.58	1	OK		2-aminonaphthalene
05111530000629	12	0296	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000630	22	0296	5	6	2.53	1	OK		2-aminonaphthalene
05111530000631	12	0298	-1	0	18.9	1	OK		2-aminonaphthalene
05111530000632	12	0298	0	1	30.7	1	OK		2-aminonaphthalene
05111530000633	12	0298	1	2	33.9	1	OK		2-aminonaphthalene
05111530000634	12	0298	2	3	20.2	1	OK		2-aminonaphthalene
05111530000635	12	0298	3	4	19.2	1	OK		2-aminonaphthalene
05111530000636	12	0298	4	5	15.9	1	OK		2-aminonaphthalene
05111530000637	12	0298	5	6	25.7	1	OK		2-aminonaphthalene
05111530000638		0299	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000639		0299	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000645	13	0300	-1	0	4.03	1	OK		2-aminonaphthalene
05111530000646	13	0300	0	1	3.84	1	OK		2-aminonaphthalene
05111530000647	13	0300	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000648	13	0300	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000649	13	0300	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000650	13	0300	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000651	13	0300	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000652	13	0301	-1	0	14 8	1	OK		2-aminonaphthalene
05111530000653	13	0301	0	1	24 5	1	OK		2-aminonaphthalene
05111530000654	13	0301	1	2	4 25	1	OK		2-aminonaphthalene
05111530000655	13	0301	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000656	13	0301	3	4	3 24	1	OK		2-aminonaphthalene
05111530000657	13	0301	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000658	13	0301	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000659	13	0306	-1	0	25 0	1	OK		2-aminonaphthalene
05111530000660	13	0306	0	1	28 8	1	OK		2-aminonaphthalene
05111530000661	13	0306	1	2	5 97	1	OK		2-aminonaphthalene
05111530000662	13	0306	2	3	2 59	1	OK		2-aminonaphthalene
05111530000663	13	0306	3	4	2 80	1	OK		2-aminonaphthalene
05111530000664	13	0306	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000665	13	0306	5	6	3 33	1	OK		2-aminonaphthalene
05111530000666	13	0307	-1	0	17 3	1	OK		2-aminonaphthalene
05111530000667	13	0307	0	1	21 5	1	OK		2-aminonaphthalene
05111530000668	13	0307	1	2	7 85	1	OK		2-aminonaphthalene
05111530000669	13	0307	2	3	3 77	1	OK		2-aminonaphthalene
05111530000670	13	0307	3	4	4 23	1	OK		2-aminonaphthalene
05111530000671	13	0307	4	5	2 53	1	OK		2-aminonaphthalene
05111530000672	13	0307	5	6	2 76	1	OK		2-aminonaphthalene
05111530000673	13	0308	-1	0	20 1	1	OK		2-aminonaphthalene
05111530000674	13	0308	0	1	29 8	1	OK		2-aminonaphthalene
05111530000675	13	0308	1	2	5 57	1	OK		2-aminonaphthalene
05111530000676	13	0308	2	3	3 53	1	OK		2-aminonaphthalene
05111530000677	13	0308	3	4	3 25	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000678	13	0308	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000679	13	0308	5	6	3 32	1	OK		2-aminonaphthalene
05111530000680		0309	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000681		0309	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000687		0312	-1	0		1	Other	Analysis not required	2-aminonaphthalene
05111530000688		0312	0	1		1	Other	Analysis not required	2-aminonaphthalene
05111530000694	2	0025	-1	0	10 7	1	OK		2-aminonaphthalene
05111530000695	2	0025	0	1	14 9	1	OK		2-aminonaphthalene
05111530000696	2	0025	1	2	13 5	1	OK		2-aminonaphthalene
05111530000697	2	0025	2	3	11 6	1	OK		2-aminonaphthalene
05111530000698	2	0025	3	4	12 2	1	OK		2-aminonaphthalene
05111530000699	2	0025	4	5	12 0	1	OK		2-aminonaphthalene
05111530000700	2	0025	5	6	8 40	1	OK		2-aminonaphthalene
05111530000701	2	0028	-1	0	10 1	1	OK		2-aminonaphthalene
05111530000702	2	0028	0	1	9 59	1	OK		2-aminonaphthalene
05111530000703	2	0028	1	2	3 41	1	OK		2-aminonaphthalene
05111530000704	2	0028	2	3	4 19	1	OK		2-aminonaphthalene
05111530000705	2	0028	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000706	2	0028	4	5	2 88	1	OK		2-aminonaphthalene
05111530000707	2	0028	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000715	1	0001	-1	0	7 94	1	OK		2-aminonaphthalene
05111530000716	1	0001	0	1	10 2	1	OK		2-aminonaphthalene
05111530000717	1	0001	1	2	2 88	1	OK		2-aminonaphthalene
05111530000718	1	0001	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000719	1	0001	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000720	1	0001	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000721	1	0001	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000722	1	0004	-1	0	17 9	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000723	1	0004	0	1	13.9	1	OK		2-aminonaphthalene
05111530000724	1	0004	1	2	3.59	1	OK		2-aminonaphthalene
05111530000725	1	0004	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000726	1	0004	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000727	1	0004	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000728	1	0004	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000729	1	0013	-1	0	16.3	1	OK		2-aminonaphthalene
05111530000730	1	0013	0	1	31.6	1	OK		2-aminonaphthalene
05111530000731	1	0013	1	2	3.73	1	OK		2-aminonaphthalene
05111530000732	1	0013	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000733	1	0013	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000734	1	0013	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000735	15	0013	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000736	1	0021	-1	0	11.5	1	OK		2-aminonaphthalene
05111530000737	1	0021	0	1	18.9	1	OK		2-aminonaphthalene
05111530000738	1	0021	1	2	4.37	1	OK		2-aminonaphthalene
05111530000739	1	0021	2	3	24.0	1	OK		2-aminonaphthalene
05111530000740	1	0021	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000741	1	0021	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000742	1	0021	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000743	2	0037	-1	0	23.7	1	OK		2-aminonaphthalene
05111530000744	2	0037	0	1	20.4	1	OK		2-aminonaphthalene
05111530000745	2	0037	1	2	21.5	1	OK		2-aminonaphthalene
05111530000746	2	0037	2	3	19.6	1	OK		2-aminonaphthalene
05111530000747	2	0037	3	4	20.1	1	OK		2-aminonaphthalene
05111530000748	2	0037	4	5	22.5	1	OK		2-aminonaphthalene
05111530000749	2	0037	5	6	21.8	1	OK		2-aminonaphthalene
05111530000750	3	0042	-1	0	16.0	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000751	3	0042	0	1	26.4	1	OK		2-aminonaphthalene
05111530000752	3	0042	1	2	21.6	1	OK		2-aminonaphthalene
05111530000753	3	0042	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000754	3	0042	3	4	40.1	1	OK		2-aminonaphthalene
05111530000755	3	0042	4	5	16.9	1	OK		2-aminonaphthalene
05111530000756	3	0042	5	6	20.1	1	OK		2-aminonaphthalene
05111530000757	3	0051	-1	0	8.13	1	OK		2-aminonaphthalene
05111530000758	3	0051	0	1	8.00	1	OK		2-aminonaphthalene
05111530000759	3	0051	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000760	3	0051	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000761	3	0051	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000762	3	0051	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000763	3	0051	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000764	3	0063	-1	0	17.7	1	OK		2-aminonaphthalene
05111530000765	3	0063	0	1	22.2	1	OK		2-aminonaphthalene
05111530000766	3	0063	1	2	6.26	1	OK		2-aminonaphthalene
05111530000767	3	0063	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000768	3	0063	3	4	2.77	1	OK		2-aminonaphthalene
05111530000769	3	0063	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000770	3	0063	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000771	4	0066	-1	0	9.68	1	OK		2-aminonaphthalene
05111530000772	4	0066	0	1	14.4	1	OK		2-aminonaphthalene
05111530000773	4	0066	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000774	4	0066	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000775	4	0066	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000776	4	0066	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000777	4	0066	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000778	4	0067	-1	0	10.4	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000779	4	0067	0	1	15.8	1	OK		2-aminonaphthalene
05111530000780	4	0067	1	2	9.13	1	OK		2-aminonaphthalene
05111530000781	4	0067	2	3	9.36	1	OK		2-aminonaphthalene
05111530000782	4	0067	3	4	8.07	1	OK		2-aminonaphthalene
05111530000783	4	0067	4	5	7.12	1	OK		2-aminonaphthalene
05111530000784	4	0067	5	6	8.91	1	OK		2-aminonaphthalene
05111530000785	4	0069	-1	0	11.9	1	OK		2-aminonaphthalene
05111530000786	4	0069	0	1	14.2	1	OK		2-aminonaphthalene
05111530000787	4	0069	1	2	5.08	1	OK		2-aminonaphthalene
05111530000788	4	0069	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000789	4	0069	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000790	4	0069	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000791	4	0069	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000792	4	0071	-1	0	23.8	1	OK		2-aminonaphthalene
05111530000793	4	0071	0	1	22.3	1	OK		2-aminonaphthalene
05111530000794	4	0071	1	2	6.93	1	OK		2-aminonaphthalene
05111530000795	4	0071	2	3	3.38	1	OK		2-aminonaphthalene
05111530000796	4	0071	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000797	4	0071	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000798	4	0071	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000799	4	0072	-1	0	13.2	1	OK		2-aminonaphthalene
05111530000800	4	0072	0	1	15.5	1	OK		2-aminonaphthalene
05111530000801	4	0072	1	2	12.9	1	OK		2-aminonaphthalene
05111530000802	4	0072	2	3	16.2	1	OK		2-aminonaphthalene
05111530000803	4	0072	3	4	20.1	1	OK		2-aminonaphthalene
05111530000804	4	0072	4	5	12.9	1	OK		2-aminonaphthalene
05111530000805	4	0072	5	6	11.9	1	OK		2-aminonaphthalene
05111530000806	4	0074	-1	0	25.6	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000807	4	0074	0	1	25.1	1	OK		2-aminonaphthalene
05111530000808	4	0074	1	2	6.14	1	OK		2-aminonaphthalene
05111530000809	4	0074	2	3	3.37	1	OK		2-aminonaphthalene
05111530000810	4	0074	3	4	2.98	1	OK		2-aminonaphthalene
05111530000811	4	0074	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000812	4	0074	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000813	4	0076	-1	0	9.76	1	OK		2-aminonaphthalene
05111530000814	4	0076	0	1	7.93	1	OK		2-aminonaphthalene
05111530000815	4	0076	1	2	4.68	1	OK		2-aminonaphthalene
05111530000816	4	0076	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000817	4	0076	3	4	2.58	1	OK		2-aminonaphthalene
05111530000818	4	0076	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000819	4	0076	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000820	4	0080	-1	0	17.1	1	OK		2-aminonaphthalene
05111530000821	4	0080	0	1	14.8	1	OK		2-aminonaphthalene
05111530000822	4	0080	1	2	13.8	1	OK		2-aminonaphthalene
05111530000823	4	0080	2	3	16.5	1	OK		2-aminonaphthalene
05111530000824	4	0080	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000825	4	0080	4	5	7.57	1	OK		2-aminonaphthalene
05111530000826	4	0080	5	6	14.1	1	OK		2-aminonaphthalene
05111530000827	4	0083	-1	0	21.3	1	OK		2-aminonaphthalene
05111530000828	4	0083	0	1	15.0	1	OK		2-aminonaphthalene
05111530000829	4	0083	1	2	5.17	1	OK		2-aminonaphthalene
05111530000830	4	0083	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000831	4	0083	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000832	4	0083	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000833	4	0083	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000834	4	0085	-1	0	8.88	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000835	4	0085	0	1	10.6	1	OK		2-aminonaphthalene
05111530000836	4	0085	1	2	3.50	1	OK		2-aminonaphthalene
05111530000837	4	0085	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000841	4	0086	-1	0	23.1	1	OK		2-aminonaphthalene
05111530000842	4	0086	0	1	25.6	1	OK		2-aminonaphthalene
05111530000843	4	0086	1	2	8.86	1	OK		2-aminonaphthalene
05111530000844	4	0086	2	3	4.03	1	OK		2-aminonaphthalene
05111530000845	4	0086	3	4	3.80	1	OK		2-aminonaphthalene
05111530000846	4	0086	4	5	2.52	1	OK		2-aminonaphthalene
05111530000847	4	0086	5	6	5.00	1	OK		2-aminonaphthalene
05111530000848	4	0087	-1	0	22.6	1	OK		2-aminonaphthalene
05111530000849	4	0087	0	1	20.6	1	OK		2-aminonaphthalene
05111530000850	4	0087	1	2	21.6	1	OK		2-aminonaphthalene
05111530000851	4	0087	2	3	18.3	1	OK		2-aminonaphthalene
05111530000852	4	0087	3	4	19.9	1	OK		2-aminonaphthalene
05111530000853	4	0087	4	5	12.7	1	OK		2-aminonaphthalene
05111530000854	4	0087	5	6	8.32	1	OK		2-aminonaphthalene
05111530000855	4	0088	-1	0	11.9	1	OK		2-aminonaphthalene
05111530000856	4	0088	0	1	13.3	1	OK		2-aminonaphthalene
05111530000857	4	0088	1	2	5.68	1	OK		2-aminonaphthalene
05111530000858	4	0088	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000859	4	0088	3	4	2.62	1	OK		2-aminonaphthalene
05111530000860	4	0088	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000861	4	0088	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530000862	16	0090	-1	0	9.23	1	OK		2-aminonaphthalene
05111530000863	16	0090	0	1	11.6	1	OK		2-aminonaphthalene
05111530000864	16	0090	1	2	3.38	1	OK		2-aminonaphthalene
05111530000865	16	0090	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000866	16	0090	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000867	16	0090	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000868	16	0090	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000869	16	0093	-1	0	19 0	1	OK		2-aminonaphthalene
05111530000870	16	0093	0	1	21 9	1	OK		2-aminonaphthalene
05111530000871	16	0093	1	2	4 78	1	OK		2-aminonaphthalene
05111530000872	16	0093	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000873	16	0093	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000874	16	0093	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000875	16	0093	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000876	16	0104	-1	0	7 46	1	OK		2-aminonaphthalene
05111530000877	16	0104	0	1	9 62	1	OK		2-aminonaphthalene
05111530000878	16	0104	1	2	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000879	16	0104	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000880	16	0104	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000881	16	0104	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000882	16	0104	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000883	16	0105	-1	0	20 3	1	OK		2-aminonaphthalene
05111530000884	16	0105	0	1	21 7	1	OK		2-aminonaphthalene
05111530000885	16	0105	1	2	32 6	1	OK		2-aminonaphthalene
05111530000886	16	0105	2	3	25 5	1	OK		2-aminonaphthalene
05111530000887	16	0105	3	4	18 6	1	OK		2-aminonaphthalene
05111530000888	16	0105	4	5	13 5	1	OK		2-aminonaphthalene
05111530000889	16	0105	5	6	9 70	1	OK		2-aminonaphthalene
05111530000890	16	0106	-1	0	7 29	1	OK		2-aminonaphthalene
05111530000891	16	0106	0	1	11 2	1	OK		2-aminonaphthalene
05111530000892	16	0106	1	2	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000893	16	0106	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000894	16	0106	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000895	16	0106	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000896	16	0106	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000897	16	0107	-1	0	22.4	1	OK		2-aminonaphthalene
05111530000898	16	0107	0	1	17.1	1	OK		2-aminonaphthalene
05111530000899	16	0107	1	2	3.73	1	OK		2-aminonaphthalene
05111530000900	16	0107	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000901	16	0107	3	4	12.2	1	OK		2-aminonaphthalene
05111530000902	16	0107	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000903	16	0107	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000904	16	0110	-1	0	18.6	1	OK		2-aminonaphthalene
05111530000905	16	0110	0	1	25.1	1	OK		2-aminonaphthalene
05111530000906	16	0110	1	2	7.30	1	OK		2-aminonaphthalene
05111530000907	16	0110	2	3	4.48	1	OK		2-aminonaphthalene
05111530000908	16	0110	3	4	3.61	1	OK		2-aminonaphthalene
05111530000909	16	0110	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000910	16	0110	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000911	16	0112	-1	0	16.8	1	OK		2-aminonaphthalene
05111530000912	20	0112	0	1	18.6	1	OK		2-aminonaphthalene
05111530000913	16	0112	1	2	5.71	1	OK		2-aminonaphthalene
05111530000914	16	0112	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000915	16	0112	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000916	16	0112	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000917	16	0112	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000918	16	0114	-1	0	10.1	1	OK		2-aminonaphthalene
05111530000919	16	0114	0	1	18.3	1	OK		2-aminonaphthalene
05111530000920	16	0114	1	2	6.15	1	OK		2-aminonaphthalene
05111530000921	16	0114	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000922	16	0114	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000923	16	0114	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000924	16	0114	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000925	16	0117	-1	0	10 6	1	OK		2-aminonaphthalene
05111530000926	16	0117	0	1	16 8	1	OK		2-aminonaphthalene
05111530000927	16	0117	1	2	19 7	1	OK		2-aminonaphthalene
05111530000928	16	0117	2	3	21 4	1	OK		2-aminonaphthalene
05111530000929	16	0117	3	4	16 8	1	OK		2-aminonaphthalene
05111530000930	16	0117	4	5	12 2	1	OK		2-aminonaphthalene
05111530000931	16	0117	5	6	9 10	1	OK		2-aminonaphthalene
05111530000932	16	0118	-1	0	25 1	1	OK		2-aminonaphthalene
05111530000933	16	0118	0	1	28 4	1	OK		2-aminonaphthalene
05111530000934	16	0118	1	2	31 2	1	OK		2-aminonaphthalene
05111530000935	16	0118	2	3	25 0	1	OK		2-aminonaphthalene
05111530000936	16	0118	3	4	35 6	1	OK		2-aminonaphthalene
05111530000937	16	0118	4	5	20 8	1	OK		2-aminonaphthalene
05111530000938	16	0118	5	6	25 9	1	OK		2-aminonaphthalene
05111530000939	16	0121	-1	0	8 93	1	OK		2-aminonaphthalene
05111530000940	16	0121	0	1	13 4	1	OK		2-aminonaphthalene
05111530000941	16	0121	1	2	6 95	1	OK		2-aminonaphthalene
05111530000942	16	0121	2	3	7 23	1	OK		2-aminonaphthalene
05111530000943	16	0121	3	4	6 37	1	OK		2-aminonaphthalene
05111530000944	16	0121	4	5	4 73	1	OK		2-aminonaphthalene
05111530000945	16	0121	5	6	5 56	1	OK		2-aminonaphthalene
05111530000946	6	0122	-1	0	12 3	1	OK		2-aminonaphthalene
05111530000947	6	0122	0	1	8 82	1	OK		2-aminonaphthalene
05111530000948	6	0122	1	2	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000949	6	0122	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000950	6	0122	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000951	6	0122	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000952	6	0122	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000953	6	0123	-1	0	5 72	1	OK		2-aminonaphthalene
05111530000954	6	0123	0	1	10 6	1	OK		2-aminonaphthalene
05111530000955	6	0123	1	2	2 88	1	OK		2-aminonaphthalene
05111530000956	6	0123	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000957	6	0123	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000958	6	0123	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000959	6	0123	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000960	6	0126	-1	0	9 45	1	OK		2-aminonaphthalene
05111530000961	6	0126	0	1	9 95	1	OK		2-aminonaphthalene
05111530000962	6	0126	1	2	11 1	1	OK		2-aminonaphthalene
05111530000963	6	0126	2	3	8 05	1	OK		2-aminonaphthalene
05111530000964	6	0126	3	4	9 38	1	OK		2-aminonaphthalene
05111530000965	6	0126	4	5	6 78	1	OK		2-aminonaphthalene
05111530000966	6	0126	5	6	6 64	1	OK		2-aminonaphthalene
05111530000967	6	0127	-1	0	35 9	1	OK		2-aminonaphthalene
05111530000968	6	0127	0	1	13 2	1	OK		2-aminonaphthalene
05111530000969	6	0127	1	2	3 21	1	OK		2-aminonaphthalene
05111530000970	6	0127	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000971	6	0127	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000972	6	0127	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000973	6	0127	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000974	6	0128	-1	0	26 5	1	OK		2-aminonaphthalene
05111530000975	6	0128	0	1	25 2	1	OK		2-aminonaphthalene
05111530000976	6	0128	1	2	6 86	1	OK		2-aminonaphthalene
05111530000977	6	0128	2	3	2 61	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000978	6	0128	3	4	2 72	1	OK		2-aminonaphthalene
05111530000979	6	0128	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000980	6	0128	5	6	2 59	1	OK		2-aminonaphthalene
05111530000981	6	0129	-1	0	15 9	1	OK		2-aminonaphthalene
05111530000982	6	0129	0	1	14 0	1	OK		2-aminonaphthalene
05111530000983	6	0129	1	2	3 74	1	OK		2-aminonaphthalene
05111530000984	6	0129	2	3	2 57	1	OK		2-aminonaphthalene
05111530000985	6	0129	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000986	6	0129	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000987	6	0129	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000988	6	0130	-1	0	20 1	1	OK		2-aminonaphthalene
05111530000989	6	0130	0	1	21 8	1	OK		2-aminonaphthalene
05111530000990	6	0130	1	2	3 54	1	OK		2-aminonaphthalene
05111530000991	6	0130	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000992	6	0130	3	4	2 58	1	OK		2-aminonaphthalene
05111530000993	6	0130	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000994	6	0130	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000995	6	0133	-1	0	18 0	1	OK		2-aminonaphthalene
05111530000996	6	0133	0	1	22 8	1	OK		2-aminonaphthalene
05111530000997	6	0133	1	2	8 06	1	OK		2-aminonaphthalene
05111530000998	6	0133	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530000999	6	0133	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001000	6	0133	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001001	6	0133	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001002	6	0134	-1	0	20 9	1	OK		2-aminonaphthalene
05111530001003	6	0134	0	1	24 9	1	OK		2-aminonaphthalene
05111530001004	6	0134	1	2	6 23	1	OK		2-aminonaphthalene
05111530001005	6	0134	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001006	6	0134	3	4	3.37	1	OK		2-aminonaphthalene
05111530001007	6	0134	4	5	2.90	1	OK		2-aminonaphthalene
05111530001008	6	0134	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001009	6	0136	-1	0	38.5	1	OK		2-aminonaphthalene
05111530001010	6	0136	0	1	29.7	1	OK		2-aminonaphthalene
05111530001011	6	0136	1	2	14.6	1	OK		2-aminonaphthalene
05111530001012	6	0136	2	3	6.98	1	OK		2-aminonaphthalene
05111530001013	6	0136	3	4	6.80	1	OK		2-aminonaphthalene
05111530001014	6	0136	4	5	2.71	1	OK		2-aminonaphthalene
05111530001015	6	0136	5	6	3.10	1	OK		2-aminonaphthalene
05111530001016	6	0137	-1	0	16.7	1	OK		2-aminonaphthalene
05111530001017	6	0137	0	1	13.4	1	OK		2-aminonaphthalene
05111530001018	6	0137	1	2	5.94	1	OK		2-aminonaphthalene
05111530001019	6	0137	2	3	3.14	1	OK		2-aminonaphthalene
05111530001020	6	0137	3	4	2.64	1	OK		2-aminonaphthalene
05111530001021	6	0137	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001022	6	0137	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001023	6	0139	-1	0	23.8	1	OK		2-aminonaphthalene
05111530001024	6	0139	0	1	27.2	1	OK		2-aminonaphthalene
05111530001025	6	0139	1	2	16.9	1	OK		2-aminonaphthalene
05111530001026	6	0139	2	3	17.8	1	OK		2-aminonaphthalene
05111530001027	6	0139	3	4	24.0	1	OK		2-aminonaphthalene
05111530001028	6	0139	4	5	19.4	1	OK		2-aminonaphthalene
05111530001029	6	0139	5	6	22.8	1	OK		2-aminonaphthalene
05111530001030	7	0140	-1	0	8.11	1	OK		2-aminonaphthalene
05111530001031	7	0140	0	1	10.0	1	OK		2-aminonaphthalene
05111530001032	7	0140	1	2	10.0	1	OK		2-aminonaphthalene
05111530001033	7	0140	2	3	10.8	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001034	7	0140	3	4	11.9	1	OK		2-aminonaphthalene
05111530001035	7	0140	4	5	9.28	1	OK		2-aminonaphthalene
05111530001036	7	0140	5	6	8.30	1	OK		2-aminonaphthalene
05111530001037	7	0145	-1	0	12.6	1	OK		2-aminonaphthalene
05111530001038	7	0145	0	1	16.8	1	OK		2-aminonaphthalene
05111530001039	7	0145	1	2	5.29	1	OK		2-aminonaphthalene
05111530001040	7	0145	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001041	7	0145	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001042	7	0145	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001043	7	0145	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001044	7	0147	-1	0	19.1	1	OK		2-aminonaphthalene
05111530001045	7	0147	0	1	17.8	1	OK		2-aminonaphthalene
05111530001046	7	0147	1	2	10.2	1	OK		2-aminonaphthalene
05111530001047	7	0147	2	3	2.51	1	OK		2-aminonaphthalene
05111530001048	7	0147	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001049	7	0147	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001050	7	0147	5	6	2.51	1	OK		2-aminonaphthalene
05111530001051	7	0148	-1	0	52.7	1	OK		2-aminonaphthalene
05111530001052	7	0148	0	1	46.0	1	OK		2-aminonaphthalene
05111530001053	7	0148	1	2	42.7	1	OK		2-aminonaphthalene
05111530001054	7	0148	2	3	28.8	1	OK		2-aminonaphthalene
05111530001055	7	0148	3	4	34.4	1	OK		2-aminonaphthalene
05111530001056	7	0148	4	5	31.7	1	OK		2-aminonaphthalene
05111530001057	7	0148	5	6	27.2	1	OK		2-aminonaphthalene
05111530001058	7	0149	-1	0	16.1	1	OK		2-aminonaphthalene
05111530001059	7	0149	0	1	13.8	1	OK		2-aminonaphthalene
05111530001060	7	0149	1	2	2.73	1	OK		2-aminonaphthalene
05111530001061	7	0149	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001062	7	0149	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001063	7	0149	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001064	7	0149	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001065	7	0150	-1	0	29 1	1	OK		2-aminonaphthalene
05111530001066	7	0150	0	1	23 1	1	OK		2-aminonaphthalene
05111530001067	7	0150	1	2	8 18	1	OK		2-aminonaphthalene
05111530001068	7	0150	2	3	4 57	1	OK		2-aminonaphthalene
05111530001069	7	0150	3	4	2 77	1	OK		2-aminonaphthalene
05111530001070	7	0150	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001071	7	0150	5	6	2 65	1	OK		2-aminonaphthalene
05111530001072	7	0152	-1	0	7 61	1	OK		2-aminonaphthalene
05111530001073	7	0152	0	1	6 89	1	OK		2-aminonaphthalene
05111530001074	7	0152	1	2	6 63	1	OK		2-aminonaphthalene
05111530001075	7	0152	2	3	5 52	1	OK		2-aminonaphthalene
05111530001076	7	0152	3	4	6 46	1	OK		2-aminonaphthalene
05111530001077	7	0152	4	5	5 11	1	OK		2-aminonaphthalene
05111530001078	7	0152	5	6	5 62	1	OK		2-aminonaphthalene
05111530001079	7	0153	-1	0	13 4	1	OK		2-aminonaphthalene
05111530001080	7	0153	0	1	20 3	1	OK		2-aminonaphthalene
05111530001081	7	0153	1	2	4 30	1	OK		2-aminonaphthalene
05111530001082	7	0153	2	3	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001083	7	0153	3	4	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001084	7	0153	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001085	7	0153	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001086	7	0155	-1	0	12 0	1	OK		2-aminonaphthalene
05111530001087	7	0155	0	1	12 1	1	OK		2-aminonaphthalene
05111530001088	7	0155	1	2	3 96	1	OK		2-aminonaphthalene
05111530001089	7	0155	2	3	2 71	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001090	7	0155	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001091	7	0155	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001092	7	0155	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001093	7	0156	-1	0	33.5	1	OK		2-aminonaphthalene
05111530001094	7	0156	0	1	42.0	1	OK		2-aminonaphthalene
05111530001095	7	0156	1	2	39.9	1	OK		2-aminonaphthalene
05111530001096	7	0156	2	3	38.2	1	OK		2-aminonaphthalene
05111530001097	7	0156	3	4	37.6	1	OK		2-aminonaphthalene
05111530001098	7	0156	4	5	42.7	1	OK		2-aminonaphthalene
05111530001099	7	0156	5	6	30.7	1	OK		2-aminonaphthalene
05111530001100	7	0160	-1	0	17.3	1	OK		2-aminonaphthalene
05111530001101	7	0160	0	1	22.4	1	OK		2-aminonaphthalene
05111530001102	7	0160	1	2	20.8	1	OK		2-aminonaphthalene
05111530001103	7	0160	2	3	18.5	1	OK		2-aminonaphthalene
05111530001104	7	0160	3	4	20.4	1	OK		2-aminonaphthalene
05111530001105	7	0160	4	5	18.8	1	OK		2-aminonaphthalene
05111530001106	7	0160	5	6	20.2	1	OK		2-aminonaphthalene
05111530001107	7	0162	-1	0	12.6	1	OK		2-aminonaphthalene
05111530001108	7	0162	0	1	20.5	1	OK		2-aminonaphthalene
05111530001109	7	0162	1	2	5.81	1	OK		2-aminonaphthalene
05111530001110	7	0162	2	3	4.15	1	OK		2-aminonaphthalene
05111530001111	7	0162	3	4	4.31	1	OK		2-aminonaphthalene
05111530001112	7	0162	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001113	7	0162	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530001114	8	0167	-1	0	16.6	1	OK		2-aminonaphthalene
05111530001115	8	0167	0	1	22.4	1	OK		2-aminonaphthalene
05111530001116	8	0167	1	2	3.99	1	OK		2-aminonaphthalene
05111530001117	8	0167	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001118	8	0167	3	4	2 58	1	OK		2-aminonaphthalene
05111530001119	8	0167	4	5	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001120	8	0167	5	6	BLQ<(2 50)	1	OK		2-aminonaphthalene
05111530001165	15	0017	1	2	3 36	2	OK		2-aminonaphthalene
05111530001457		0211	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001458		0211	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001541		0242	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001542		0242	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001555		0245	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001556		0245	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001562		0247	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001563		0247	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001632		0269	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001633		0269	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001716		0288	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001717		0288	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001758		0299	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001759		0299	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001800		0309	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001801		0309	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530001807		0312	-1	0		2	Other	Analysis not required	2-aminonaphthalene
05111530001808		0312	0	1		2	Other	Analysis not required	2-aminonaphthalene
05111530002248	13	0313	-1	0	10 4	1	OK		2-aminonaphthalene
05111530002249	13	0313	0	1	11 5	1	OK		2-aminonaphthalene
05111530002250	13	0313	1	2	15 6	1	OK		2-aminonaphthalene
05111530002251	13	0313	2	3	9 96	1	OK		2-aminonaphthalene
05111530002252	13	0313	3	4	12 4	1	OK		2-aminonaphthalene
05111530002253	13	0313	4	5	9 31	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002254	13	0313	5	6	9.51	1	OK		2-aminonaphthalene
05111530002262	13	0315	-1	0	19.3	1	OK		2-aminonaphthalene
05111530002263	13	0315	0	1	21.9	1	OK		2-aminonaphthalene
05111530002264	13	0315	1	2	15.7	1	OK		2-aminonaphthalene
05111530002265	13	0315	2	3	18.7	1	OK		2-aminonaphthalene
05111530002266	13	0315	3	4	15.6	1	OK		2-aminonaphthalene
05111530002267	13	0315	4	5	13.3	1	OK		2-aminonaphthalene
05111530002268	13	0315	5	6	15.3	1	OK		2-aminonaphthalene
05111530002276	13	0316	-1	0	3.87	1	OK		2-aminonaphthalene
05111530002277	13	0316	0	1	4.51	1	OK		2-aminonaphthalene
05111530002278	13	0316	1	2	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002279	13	0316	2	3	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002280	13	0316	3	4	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002281	13	0316	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002282	13	0316	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002290	13	0317	-1	0	18.0	1	OK		2-aminonaphthalene
05111530002291	13	0317	0	1	14.8	1	OK		2-aminonaphthalene
05111530002292	13	0317	1	2	6.57	1	OK		2-aminonaphthalene
05111530002293	13	0317	2	3	3.63	1	OK		2-aminonaphthalene
05111530002294	13	0317	3	4	2.98	1	OK		2-aminonaphthalene
05111530002295	13	0317	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002296	13	0317	5	6	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002304	13	0318	-1	0	16.3	1	OK		2-aminonaphthalene
05111530002305	13	0318	0	1	18.3	1	OK		2-aminonaphthalene
05111530002306	13	0318	1	2	22.6	1	OK		2-aminonaphthalene
05111530002307	13	0318	2	3	12.2	1	OK		2-aminonaphthalene
05111530002308	13	0318	3	4	23.6	1	OK		2-aminonaphthalene
05111530002309	13	0318	4	5	21.3	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002310	13	0318	5	6	30.8	1	OK		2-aminonaphthalene
05111530002318	13	0320	-1	0	34.9	1	OK		2-aminonaphthalene
05111530002319	13	0320	0	1	37.3	1	OK		2-aminonaphthalene
05111530002320	13	0320	1	2	10.2	1	OK		2-aminonaphthalene
05111530002321	13	0320	2	3	5.60	1	OK		2-aminonaphthalene
05111530002322	13	0320	3	4	5.35	1	OK		2-aminonaphthalene
05111530002323	13	0320	4	5	3.77	1	OK		2-aminonaphthalene
05111530002324	13	0320	5	6	3.75	1	OK		2-aminonaphthalene
05111530002332	13	0321	-1	0	10.3	1	OK		2-aminonaphthalene
05111530002333	13	0321	0	1	13.8	1	OK		2-aminonaphthalene
05111530002334	13	0321	1	2	3.54	1	OK		2-aminonaphthalene
05111530002335	13	0321	2	3	2.87	1	OK		2-aminonaphthalene
05111530002336	13	0321	3	4	2.94	1	OK		2-aminonaphthalene
05111530002337	13	0321	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene
05111530002338	13	0321	5	6	3.28	1	OK		2-aminonaphthalene
05111530002346	14	0322	-1	0	12.3	1	OK		2-aminonaphthalene
05111530002347	14	0322	0	1	15.6	1	OK		2-aminonaphthalene
05111530002348	14	0322	1	2	12.5	1	OK		2-aminonaphthalene
05111530002349	14	0322	2	3	12.3	1	OK		2-aminonaphthalene
05111530002350	14	0322	3	4	10.2	1	OK		2-aminonaphthalene
05111530002351	14	0322	4	5	7.49	1	OK		2-aminonaphthalene
05111530002352	14	0322	5	6	7.55	1	OK		2-aminonaphthalene
05111530002360	14	0325	-1	0	39.4	1	OK		2-aminonaphthalene
05111530002361	14	0325	0	1	39.0	1	OK		2-aminonaphthalene
05111530002362	14	0325	1	2	17.5	1	OK		2-aminonaphthalene
05111530002363	14	0325	2	3	6.71	1	OK		2-aminonaphthalene
05111530002364	14	0325	3	4	5.67	1	OK		2-aminonaphthalene
05111530002365	14	0325	4	5	BLQ<(2.50)	1	OK		2-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002366	14	0325	5	6	3.81	1	OK		2-aminonaphthalene
05111530002374	14	0328	-1	0	7.29	1	OK		2-aminonaphthalene
05111530002375	14	0328	0	1	9.18	1	OK		2-aminonaphthalene
05111530002376	14	0328	1	2	5.46	1	OK		2-aminonaphthalene
05111530002377	14	0328	2	3	7.12	1	OK		2-aminonaphthalene
05111530002378	14	0328	3	4	6.73	1	OK		2-aminonaphthalene
05111530002379	14	0328	4	5	4.93	1	OK		2-aminonaphthalene
05111530002380	14	0328	5	6	6.01	1	OK		2-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 17 Study Sample Concentrations for 1-Aminonaphthalene

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000001	15	0008	-1	0	80.9	1	OK		1-aminonaphthalene
05111530000002	15	0008	0	1	71.9	1	OK		1-aminonaphthalene
05111530000003	15	0008	1	2	19.7	1	OK		1-aminonaphthalene
05111530000004	15	0008	2	3	6.04	1	OK		1-aminonaphthalene
05111530000005	15	0008	3	4	4.40	1	OK		1-aminonaphthalene
05111530000006	15	0008	4	5	3.66	1	OK		1-aminonaphthalene
05111530000007	15	0008	5	6	3.16	1	OK		1-aminonaphthalene
05111530000008	15	0010	-1	0	56.5	1	OK		1-aminonaphthalene
05111530000009	15	0010	0	1	22.3	1	OK		1-aminonaphthalene
05111530000010	15	0010	1	2	5.77	1	OK		1-aminonaphthalene
05111530000011	15	0010	2	3	2.66	1	OK		1-aminonaphthalene
05111530000012	15	0010	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000013	15	0010	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000014	15	0010	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000016	15	0011	0	1	47.7	1	OK		1-aminonaphthalene
05111530000017	15	0011	1	2	7.44	1	OK		1-aminonaphthalene
05111530000018	15	0011	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000019	15	0011	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000020	15	0011	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000021	15	0011	5	6	2.83	1	OK		1-aminonaphthalene
05111530000022	15	0014	-1	0	57.6	1	OK		1-aminonaphthalene
05111530000023	15	0014	0	1	65.3	1	OK		1-aminonaphthalene
05111530000024	15	0014	1	2	8.14	1	OK		1-aminonaphthalene
05111530000025	15	0014	2	3	3.51	1	OK		1-aminonaphthalene
05111530000026	15	0014	3	4	2.54	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000027	15	0014	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000028	15	0014	5	6	3.53	1	OK		1-aminonaphthalene
05111530000029	15	0015	-1	0	58.3	1	OK		1-aminonaphthalene
05111530000030	15	0015	0	1	54.3	1	OK		1-aminonaphthalene
05111530000031	15	0015	1	2	8.59	1	OK		1-aminonaphthalene
05111530000032	15	0015	2	3	3.33	1	OK		1-aminonaphthalene
05111530000033	15	0015	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000034	15	0015	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000035	15	0015	5	6	2.88	1	OK		1-aminonaphthalene
05111530000036	15	0016	-1	0	86.0	1	OK		1-aminonaphthalene
05111530000037	15	0016	0	1	34.8	1	OK		1-aminonaphthalene
05111530000038	15	0016	1	2	8.64	1	OK		1-aminonaphthalene
05111530000039	15	0016	2	3	3.12	1	OK		1-aminonaphthalene
05111530000040	15	0016	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000041	15	0016	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000042	15	0016	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000043	15	0017	-1	0	37.1	1	OK		1-aminonaphthalene
05111530000044	15	0017	0	1	29.6	1	OK		1-aminonaphthalene
05111530000046	15	0017	2	3	3.62	1	OK		1-aminonaphthalene
05111530000047	15	0017	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000048	15	0017	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000049	15	0017	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000050	15	0020	-1	0	44.4	1	OK		1-aminonaphthalene
05111530000051	15	0020	0	1	48.3	1	OK		1-aminonaphthalene
05111530000052	15	0020	1	2	8.45	1	OK		1-aminonaphthalene
05111530000053	15	0020	2	3	4.78	1	OK		1-aminonaphthalene
05111530000054	15	0020	3	4	2.51	1	OK		1-aminonaphthalene
05111530000056	15	0020	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000057	2	0022	-1	0	78.3	1	OK		1-aminonaphthalene
05111530000058	2	0022	0	1	84.6	1	OK		1-aminonaphthalene
05111530000059	2	0022	1	2	11.7	1	OK		1-aminonaphthalene
05111530000060	2	0022	2	3	5.69	1	OK		1-aminonaphthalene
05111530000061	2	0022	3	4	5.57	1	OK		1-aminonaphthalene
05111530000062	2	0022	4	5	3.68	1	OK		1-aminonaphthalene
05111530000063	2	0022	5	6	3.62	1	OK		1-aminonaphthalene
05111530000064	2	0023	-1	0	51.9	1	OK		1-aminonaphthalene
05111530000065	2	0023	0	1	41.5	1	OK		1-aminonaphthalene
05111530000066	2	0023	1	2	7.98	1	OK		1-aminonaphthalene
05111530000067	2	0023	2	3	4.72	1	OK		1-aminonaphthalene
05111530000068	2	0023	3	4	3.30	1	OK		1-aminonaphthalene
05111530000069	2	0023	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000070	2	0023	5	6	2.60	1	OK		1-aminonaphthalene
05111530000071	2	0029	-1	0	62.5	1	OK		1-aminonaphthalene
05111530000072	2	0029	0	1	25.5	1	OK		1-aminonaphthalene
05111530000073	2	0029	1	2	33.9	1	OK		1-aminonaphthalene
05111530000074	2	0029	2	3	38.9	1	OK		1-aminonaphthalene
05111530000075	2	0029	3	4	39.7	1	OK		1-aminonaphthalene
05111530000076	2	0029	4	5	14.3	1	OK		1-aminonaphthalene
05111530000077	2	0029	5	6	37.9	1	OK		1-aminonaphthalene
05111530000078	2	0030	-1	0	31.4	1	OK		1-aminonaphthalene
05111530000079	2	0030	0	1	35.1	1	OK		1-aminonaphthalene
05111530000080	2	0030	1	2	5.49	1	OK		1-aminonaphthalene
05111530000081	2	0030	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000082	2	0030	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000083	2	0030	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000084	2	0030	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000085	2	0031	-1	0	78.0	1	OK		1-aminonaphthalene
05111530000086	2	0031	0	1	120	1	OK		1-aminonaphthalene
05111530000087	2	0031	1	2	11.1	1	OK		1-aminonaphthalene
05111530000088	2	0031	2	3	4.26	1	OK		1-aminonaphthalene
05111530000089	2	0031	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000090	2	0031	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000091	2	0031	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000092	2	0034	-1	0	56.5	1	OK		1-aminonaphthalene
05111530000093	2	0034	0	1	49.4	1	OK		1-aminonaphthalene
05111530000094	2	0034	1	2	11.6	1	OK		1-aminonaphthalene
05111530000095	2	0034	2	3	4.69	1	OK		1-aminonaphthalene
05111530000096	2	0034	3	4	3.29	1	OK		1-aminonaphthalene
05111530000097	2	0034	4	5	3.32	1	OK		1-aminonaphthalene
05111530000098	2	0034	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000099	2	0035	-1	0	81.8	1	OK		1-aminonaphthalene
05111530000100	2	0035	0	1	71.6	1	OK		1-aminonaphthalene
05111530000101	2	0035	1	2	66.4	1	OK		1-aminonaphthalene
05111530000102	2	0035	2	3	53.7	1	OK		1-aminonaphthalene
05111530000103	2	0035	3	4	53.4	1	OK		1-aminonaphthalene
05111530000104	2	0035	4	5	63.8	1	OK		1-aminonaphthalene
05111530000105	2	0035	5	6	74.7	1	OK		1-aminonaphthalene
05111530000106	2	0038	-1	0	123	1	OK		1-aminonaphthalene
05111530000107	2	0038	0	1	90.7	1	OK		1-aminonaphthalene
05111530000108	2	0038	1	2	16.8	1	OK		1-aminonaphthalene
05111530000109	2	0038	2	3	4.72	1	OK		1-aminonaphthalene
05111530000110	2	0038	3	4	3.48	1	OK		1-aminonaphthalene
05111530000111	2	0038	4	5	3.09	1	OK		1-aminonaphthalene
05111530000112	2	0038	5	6	3.81	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000113	2	0039	-1	0	44.1	1	OK		1-aminonaphthalene
05111530000114	2	0039	0	1	39.4	1	OK		1-aminonaphthalene
05111530000115	2	0039	1	2	10.9	1	OK		1-aminonaphthalene
05111530000116	2	0039	2	3	2.71	1	OK		1-aminonaphthalene
05111530000117	2	0039	3	4	2.89	1	OK		1-aminonaphthalene
05111530000118	2	0039	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000119	2	0039	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000120	3	0044	-1	0	32.0	1	OK		1-aminonaphthalene
05111530000121	3	0044	0	1	39.2	1	OK		1-aminonaphthalene
05111530000122	3	0044	1	2	9.34	1	OK		1-aminonaphthalene
05111530000123	3	0044	2	3	4.85	1	OK		1-aminonaphthalene
05111530000124	3	0044	3	4	2.92	1	OK		1-aminonaphthalene
05111530000125	3	0044	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000126	3	0044	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000127	3	0049	-1	0	57.5	1	OK		1-aminonaphthalene
05111530000128	3	0049	0	1	14.8	1	OK		1-aminonaphthalene
05111530000129	3	0049	1	2	6.73	1	OK		1-aminonaphthalene
05111530000130	3	0049	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000131	3	0049	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000132	3	0049	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000133	3	0049	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000134	3	0052	-1	0	71.0	1	OK		1-aminonaphthalene
05111530000135	3	0052	0	1	76.3	1	OK		1-aminonaphthalene
05111530000136	3	0052	1	2	18.4	1	OK		1-aminonaphthalene
05111530000137	3	0052	2	3	9.25	1	OK		1-aminonaphthalene
05111530000138	3	0052	3	4	3.23	1	OK		1-aminonaphthalene
05111530000139	3	0052	4	5	3.09	1	OK		1-aminonaphthalene
05111530000140	3	0052	5	6	4.25	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000141	3	0053	-1	0	76.2	1	OK		1-aminonaphthalene
05111530000142	3	0053	0	1	58.1	1	OK		1-aminonaphthalene
05111530000143	3	0053	1	2	58.4	1	OK		1-aminonaphthalene
05111530000144	3	0053	2	3	62.5	1	OK		1-aminonaphthalene
05111530000145	3	0053	3	4	63.1	1	OK		1-aminonaphthalene
05111530000146	3	0053	4	5	39.7	1	OK		1-aminonaphthalene
05111530000147	3	0053	5	6	61.2	1	OK		1-aminonaphthalene
05111530000148	3	0057	-1	0	21.8	1	OK		1-aminonaphthalene
05111530000149	3	0057	0	1	32.9	1	OK		1-aminonaphthalene
05111530000150	3	0057	1	2	9.21	1	OK		1-aminonaphthalene
05111530000151	3	0057	2	3	3.32	1	OK		1-aminonaphthalene
05111530000152	3	0057	3	4	3.03	1	OK		1-aminonaphthalene
05111530000153	3	0057	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000154	3	0057	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000155	3	0060	-1	0	52.1	1	OK		1-aminonaphthalene
05111530000156	3	0060	0	1	41.0	1	OK		1-aminonaphthalene
05111530000157	3	0060	1	2	6.19	1	OK		1-aminonaphthalene
05111530000158	3	0060	2	3	2.98	1	OK		1-aminonaphthalene
05111530000159	3	0060	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000160	3	0060	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000161	3	0060	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000162	3	0062	-1	0	25.8	1	OK		1-aminonaphthalene
05111530000163	3	0062	0	1	32.8	1	OK		1-aminonaphthalene
05111530000164	3	0062	1	2	6.03	1	OK		1-aminonaphthalene
05111530000165	3	0062	2	3	2.63	1	OK		1-aminonaphthalene
05111530000166	3	0062	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000167	3	0062	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000168	3	0062	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000169	3	0064	-1	0	35.3	1	OK		1-aminonaphthalene
05111530000170	3	0064	0	1	53.7	1	OK		1-aminonaphthalene
05111530000171	3	0064	1	2	27.3	1	OK		1-aminonaphthalene
05111530000172	3	0064	2	3	20.4	1	OK		1-aminonaphthalene
05111530000173	3	0064	3	4	32.3	1	OK		1-aminonaphthalene
05111530000174	3	0064	4	5	23.9	1	OK		1-aminonaphthalene
05111530000175	3	0064	5	6	41.5	1	OK		1-aminonaphthalene
05111530000176	3	0055	-1	0	44.6	1	OK		1-aminonaphthalene
05111530000177	3	0055	0	1	43.1	1	OK		1-aminonaphthalene
05111530000178	3	0055	1	2	41.1	1	OK		1-aminonaphthalene
05111530000179	3	0055	2	3	40.9	1	OK		1-aminonaphthalene
05111530000180	3	0055	3	4	30.0	1	OK		1-aminonaphthalene
05111530000181	3	0055	4	5	42.7	1	OK		1-aminonaphthalene
05111530000182	3	0055	5	6	45.2	1	OK		1-aminonaphthalene
05111530000183	8	0169	-1	0	30.5	1	OK		1-aminonaphthalene
05111530000184	8	0169	0	1	19.7	1	OK		1-aminonaphthalene
05111530000185	8	0169	1	2	9.34	1	OK		1-aminonaphthalene
05111530000186	8	0169	2	3	3.44	1	OK		1-aminonaphthalene
05111530000187	8	0169	3	4	2.56	1	OK		1-aminonaphthalene
05111530000188	8	0169	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000189	8	0169	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000190	8	0170	-1	0	47.0	1	OK		1-aminonaphthalene
05111530000191	8	0170	0	1	30.7	1	OK		1-aminonaphthalene
05111530000192	8	0170	1	2	4.34	1	OK		1-aminonaphthalene
05111530000193	8	0170	2	3	3.70	1	OK		1-aminonaphthalene
05111530000194	8	0170	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000195	8	0170	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000196	8	0170	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000197	8	0177	-1	0	80.2	1	OK		1-aminonaphthalene
05111530000198	8	0177	0	1	82.1	1	OK		1-aminonaphthalene
05111530000199	8	0177	1	2	10.6	1	OK		1-aminonaphthalene
05111530000200	8	0177	2	3	4.49	1	OK		1-aminonaphthalene
05111530000201	8	0177	3	4	3.62	1	OK		1-aminonaphthalene
05111530000202	8	0177	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000203	8	0177	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000204	8	0183	-1	0	143	1	OK		1-aminonaphthalene
05111530000205	8	0183	0	1	125	1	OK		1-aminonaphthalene
05111530000206	8	0183	1	2	14.7	1	OK		1-aminonaphthalene
05111530000207	8	0183	2	3	6.33	1	OK		1-aminonaphthalene
05111530000208	8	0183	3	4	3.19	1	OK		1-aminonaphthalene
05111530000209	8	0183	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000210	8	0183	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000211	8	0185	-1	0	98.6	1	OK		1-aminonaphthalene
05111530000212	8	0185	0	1	50.6	1	OK		1-aminonaphthalene
05111530000213	8	0185	1	2	14.7	1	OK		1-aminonaphthalene
05111530000214	8	0185	2	3	5.44	1	OK		1-aminonaphthalene
05111530000215	8	0185	3	4	3.65	1	OK		1-aminonaphthalene
05111530000216	8	0185	4	5	2.55	1	OK		1-aminonaphthalene
05111530000217	8	0185	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000218	8	0187	-1	0	82.9	1	OK		1-aminonaphthalene
05111530000219	8	0187	0	1	37.9	1	OK		1-aminonaphthalene
05111530000220	8	0187	1	2	48.3	1	OK		1-aminonaphthalene
05111530000221	8	0187	2	3	69.9	1	OK		1-aminonaphthalene
05111530000222	8	0187	3	4	98.1	1	OK		1-aminonaphthalene
05111530000223	8	0187	4	5	59.2	1	OK		1-aminonaphthalene
05111530000224	8	0187	5	6	39.5	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000225	8	0190	-1	0	61.7	1	OK		1-aminonaphthalene
05111530000226	8	0190	0	1	64.7	1	OK		1-aminonaphthalene
05111530000227	8	0190	1	2	15.3	1	OK		1-aminonaphthalene
05111530000228	8	0190	2	3	4.76	1	OK		1-aminonaphthalene
05111530000229	8	0190	3	4	2.91	1	OK		1-aminonaphthalene
05111530000230	8	0190	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000231	8	0190	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000232	8	0191	-1	0	22.9	1	OK		1-aminonaphthalene
05111530000233	8	0191	0	1	28.6	1	OK		1-aminonaphthalene
05111530000234	8	0191	1	2	24.8	1	OK		1-aminonaphthalene
05111530000235	8	0191	2	3	25.3	1	OK		1-aminonaphthalene
05111530000236	8	0191	3	4	30.8	1	OK		1-aminonaphthalene
05111530000237	8	0191	4	5	25.2	1	OK		1-aminonaphthalene
05111530000238	8	0191	5	6	25.3	1	OK		1-aminonaphthalene
05111530000239	8	0192	-1	0	111	1	OK		1-aminonaphthalene
05111530000240	8	0192	0	1	99.5	1	OK		1-aminonaphthalene
05111530000241	8	0192	1	2	13.9	1	OK		1-aminonaphthalene
05111530000242	8	0192	2	3	7.55	1	OK		1-aminonaphthalene
05111530000243	8	0192	3	4	4.59	1	OK		1-aminonaphthalene
05111530000244	8	0192	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000245	8	0192	5	6	2.89	1	OK		1-aminonaphthalene
05111530000246	8	0181	-1	0	144	1	OK		1-aminonaphthalene
05111530000247	8	0181	0	1	125	1	OK		1-aminonaphthalene
05111530000248	8	0181	1	2	20.3	1	OK		1-aminonaphthalene
05111530000249	8	0181	2	3	6.69	1	OK		1-aminonaphthalene
05111530000250	8	0181	3	4	5.82	1	OK		1-aminonaphthalene
05111530000251	8	0181	4	5	3.75	1	OK		1-aminonaphthalene
05111530000252	8	0181	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000253	8	0189	-1	0	58.6	1	OK		1-aminonaphthalene
05111530000254	8	0189	0	1	40.6	1	OK		1-aminonaphthalene
05111530000255	8	0189	1	2	8.27	1	OK		1-aminonaphthalene
05111530000256	8	0189	2	3	4.50	1	OK		1-aminonaphthalene
05111530000257	15	0189	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000258	8	0189	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000259	8	0189	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000260	9	0193	-1	0	40.8	1	OK		1-aminonaphthalene
05111530000261	9	0193	0	1	79.7	1	OK		1-aminonaphthalene
05111530000262	9	0193	1	2	10.2	1	OK		1-aminonaphthalene
05111530000263	9	0193	2	3	5.74	1	OK		1-aminonaphthalene
05111530000264	9	0193	3	4	4.76	1	OK		1-aminonaphthalene
05111530000265	9	0193	4	5	2.72	1	OK		1-aminonaphthalene
05111530000266	9	0193	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000267	9	0195	-1	0	39.6	1	OK		1-aminonaphthalene
05111530000268	9	0195	0	1	42.7	1	OK		1-aminonaphthalene
05111530000269	9	0195	1	2	7.72	1	OK		1-aminonaphthalene
05111530000270	9	0195	2	3	5.33	1	OK		1-aminonaphthalene
05111530000271	9	0195	3	4	2.94	1	OK		1-aminonaphthalene
05111530000272	9	0195	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000273	9	0195	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000274	9	0196	-1	0	16.3	1	OK		1-aminonaphthalene
05111530000275	9	0196	0	1	20.6	1	OK		1-aminonaphthalene
05111530000276	9	0196	1	2	4.56	1	OK		1-aminonaphthalene
05111530000277	9	0196	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000278	9	0196	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000279	9	0196	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000280	9	0196	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000281	9	0197	-1	0	69.3	1	OK		1-aminonaphthalene
05111530000282	9	0197	0	1	123	1	OK		1-aminonaphthalene
05111530000283	9	0197	1	2	21.0	1	OK		1-aminonaphthalene
05111530000284	9	0197	2	3	12.0	1	OK		1-aminonaphthalene
05111530000285	9	0197	3	4	4.98	1	OK		1-aminonaphthalene
05111530000286	9	0197	4	5	4.06	1	OK		1-aminonaphthalene
05111530000287	9	0197	5	6	3.25	1	OK		1-aminonaphthalene
05111530000288	9	0198	-1	0	60.9	1	OK		1-aminonaphthalene
05111530000289	9	0198	0	1	115	1	OK		1-aminonaphthalene
05111530000290	9	0198	1	2	79.4	1	OK		1-aminonaphthalene
05111530000291	9	0198	2	3	111	1	OK		1-aminonaphthalene
05111530000292	9	0198	3	4	120	1	OK		1-aminonaphthalene
05111530000293	9	0198	4	5	109	1	OK		1-aminonaphthalene
05111530000294	9	0198	5	6	89.5	1	OK		1-aminonaphthalene
05111530000295	9	0200	-1	0	29.3	1	OK		1-aminonaphthalene
05111530000296	9	0200	0	1	48.0	1	OK		1-aminonaphthalene
05111530000297	9	0200	1	2	38.8	1	OK		1-aminonaphthalene
05111530000298	9	0200	2	3	32.6	1	OK		1-aminonaphthalene
05111530000299	9	0200	3	4	45.2	1	OK		1-aminonaphthalene
05111530000300	9	0200	4	5	42.5	1	OK		1-aminonaphthalene
05111530000301	9	0200	5	6	27.9	1	OK		1-aminonaphthalene
05111530000302	9	0202	-1	0	37.6	1	OK		1-aminonaphthalene
05111530000303	9	0202	0	1	53.3	1	OK		1-aminonaphthalene
05111530000304	9	0202	1	2	9.72	1	OK		1-aminonaphthalene
05111530000305	9	0202	2	3	3.95	1	OK		1-aminonaphthalene
05111530000306	9	0202	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000307	9	0202	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000308	9	0202	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000309	9	0203	-1	0	38.4	1	OK		1-aminonaphthalene
05111530000310	9	0203	0	1	43.9	1	OK		1-aminonaphthalene
05111530000311	9	0203	1	2	7.59	1	OK		1-aminonaphthalene
05111530000312	9	0203	2	3	4.56	1	OK		1-aminonaphthalene
05111530000313	9	0203	3	4	2.84	1	OK		1-aminonaphthalene
05111530000314	9	0203	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000315	9	0203	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000316	9	0204	-1	0	14.0	1	OK		1-aminonaphthalene
05111530000317	9	0204	0	1	26.4	1	OK		1-aminonaphthalene
05111530000318	9	0204	1	2	24.3	1	OK		1-aminonaphthalene
05111530000319	9	0204	2	3	17.4	1	OK		1-aminonaphthalene
05111530000320	9	0204	3	4	28.3	1	OK		1-aminonaphthalene
05111530000321	9	0204	4	5	18.6	1	OK		1-aminonaphthalene
05111530000322	9	0204	5	6	16.8	1	OK		1-aminonaphthalene
05111530000323	9	0206	-1	0	52.4	1	OK		1-aminonaphthalene
05111530000324	9	0206	0	1	77.4	1	OK		1-aminonaphthalene
05111530000325	9	0206	1	2	13.4	1	OK		1-aminonaphthalene
05111530000326	9	0206	2	3	4.40	1	OK		1-aminonaphthalene
05111530000327	9	0206	3	4	2.88	1	OK		1-aminonaphthalene
05111530000328	9	0206	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000329	9	0206	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000330	9	0210	-1	0	59.1	1	OK		1-aminonaphthalene
05111530000331	9	0210	0	1	43.8	1	OK		1-aminonaphthalene
05111530000332	9	0210	1	2	9.72	1	OK		1-aminonaphthalene
05111530000333	9	0210	2	3	4.47	1	OK		1-aminonaphthalene
05111530000334	9	0210	3	4	3.06	1	OK		1-aminonaphthalene
05111530000335	9	0210	4	5	2.80	1	OK		1-aminonaphthalene
05111530000336	9	0210	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000337		0211	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000338		0211	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000344	9	0216	-1	0	36.3	1	OK		1-aminonaphthalene
05111530000345	9	0216	0	1	62.8	1	OK		1-aminonaphthalene
05111530000346	9	0216	1	2	12.3	1	OK		1-aminonaphthalene
05111530000347	9	0216	2	3	5.78	1	OK		1-aminonaphthalene
05111530000348	9	0216	3	4	3.89	1	OK		1-aminonaphthalene
05111530000349	9	0216	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000350	9	0216	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000351	10	0218	-1	0	31.3	1	OK		1-aminonaphthalene
05111530000352	10	0218	0	1	80.0	1	OK		1-aminonaphthalene
05111530000353	10	0218	1	2	5.87	1	OK		1-aminonaphthalene
05111530000354	10	0218	2	3	4.26	1	OK		1-aminonaphthalene
05111530000355	10	0218	3	4	3.79	1	OK		1-aminonaphthalene
05111530000356	10	0218	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000357	10	0218	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000358	10	0220	-1	0	34.8	1	OK		1-aminonaphthalene
05111530000359	10	0220	0	1	42.4	1	OK		1-aminonaphthalene
05111530000360	10	0220	1	2	6.36	1	OK		1-aminonaphthalene
05111530000361	10	0220	2	3	4.04	1	OK		1-aminonaphthalene
05111530000362	10	0220	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000363	10	0220	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000364	10	0220	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000365	10	0224	-1	0	36.3	1	OK		1-aminonaphthalene
05111530000366	10	0224	0	1	43.1	1	OK		1-aminonaphthalene
05111530000367	10	0224	1	2	30.0	1	OK		1-aminonaphthalene
05111530000368	10	0224	2	3	38.1	1	OK		1-aminonaphthalene
05111530000369	10	0224	3	4	47.9	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000370	10	0224	4	5	44.0	1	OK		1-aminonaphthalene
05111530000371	10	0224	5	6	31.5	1	OK		1-aminonaphthalene
05111530000372	10	0228	-1	0	51.1	1	OK		1-aminonaphthalene
05111530000373	10	0228	0	1	88.7	1	OK		1-aminonaphthalene
05111530000374	10	0228	1	2	13.0	1	OK		1-aminonaphthalene
05111530000375	10	0228	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000376	10	0228	3	4	2.60	1	OK		1-aminonaphthalene
05111530000377	10	0228	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000378	22	0228	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000379	10	0229	-1	0	85.8	1	OK		1-aminonaphthalene
05111530000380	10	0229	0	1	149	1	OK		1-aminonaphthalene
05111530000381	10	0229	1	2	260	1	OK		1-aminonaphthalene
05111530000382	10	0229	2	3	241	1	OK		1-aminonaphthalene
05111530000383	10	0229	3	4	282	1	OK		1-aminonaphthalene
05111530000384	10	0229	4	5	228	1	OK		1-aminonaphthalene
05111530000385	10	0229	5	6	118	1	OK		1-aminonaphthalene
05111530000386	10	0230	-1	0	39.4	1	OK		1-aminonaphthalene
05111530000387	10	0230	0	1	59.4	1	OK		1-aminonaphthalene
05111530000388	10	0230	1	2	39.5	1	OK		1-aminonaphthalene
05111530000389	10	0230	2	3	39.5	1	OK		1-aminonaphthalene
05111530000390	10	0230	3	4	41.0	1	OK		1-aminonaphthalene
05111530000391	10	0230	4	5	40.2	1	OK		1-aminonaphthalene
05111530000392	10	0230	5	6	36.4	1	OK		1-aminonaphthalene
05111530000393	10	0232	-1	0	21.4	1	OK		1-aminonaphthalene
05111530000394	10	0232	0	1	20.1	1	OK		1-aminonaphthalene
05111530000395	10	0232	1	2	3.60	1	OK		1-aminonaphthalene
05111530000396	10	0232	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000397	10	0232	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000398	10	0232	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000399	10	0232	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000400	10	0234	-1	0	40 0	1	OK		1-aminonaphthalene
05111530000401	10	0234	0	1	57 4	1	OK		1-aminonaphthalene
05111530000402	10	0234	1	2	5 88	1	OK		1-aminonaphthalene
05111530000403	10	0234	2	3	3 76	1	OK		1-aminonaphthalene
05111530000404	10	0234	3	4	2 87	1	OK		1-aminonaphthalene
05111530000405	10	0234	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000406	10	0234	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000407	10	0240	-1	0	85 4	1	OK		1-aminonaphthalene
05111530000408	10	0240	0	1	87 9	1	OK		1-aminonaphthalene
05111530000409	10	0240	1	2	12 4	1	OK		1-aminonaphthalene
05111530000410	10	0240	2	3	4 13	1	OK		1-aminonaphthalene
05111530000411	22	0240	3	4	2 52	1	OK		1-aminonaphthalene
05111530000412	10	0240	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000413	10	0240	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000414	10	0241	-1	0	64 1	1	OK		1-aminonaphthalene
05111530000415	10	0241	0	1	69 2	1	OK		1-aminonaphthalene
05111530000416	10	0241	1	2	10 0	1	OK		1-aminonaphthalene
05111530000417	10	0241	2	3	4 20	1	OK		1-aminonaphthalene
05111530000418	10	0241	3	4	2 90	1	OK		1-aminonaphthalene
05111530000419	10	0241	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000420	10	0241	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000421		0242	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000422		0242	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000428	10	0244	-1	0	47 4	1	OK		1-aminonaphthalene
05111530000429	10	0244	0	1	39 1	1	OK		1-aminonaphthalene
05111530000430	10	0244	1	2	7 90	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000431	10	0244	2	3	4.57	1	OK		1-aminonaphthalene
05111530000432	10	0244	3	4	2.65	1	OK		1-aminonaphthalene
05111530000433	10	0244	4	5	2.50	1	OK		1-aminonaphthalene
05111530000434	10	0244	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000435		0245	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000436		0245	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000442		0247	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000443		0247	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000449	10	0249	-1	0	157	1	OK		1-aminonaphthalene
05111530000450	10	0249	0	1	145	1	OK		1-aminonaphthalene
05111530000451	10	0249	1	2	28.0	1	OK		1-aminonaphthalene
05111530000452	10	0249	2	3	12.5	1	OK		1-aminonaphthalene
05111530000453	10	0249	3	4	10.3	1	OK		1-aminonaphthalene
05111530000454	10	0249	4	5	4.72	1	OK		1-aminonaphthalene
05111530000455	10	0249	5	6	4.67	1	OK		1-aminonaphthalene
05111530000456	11	0251	-1	0	36.4	1	OK		1-aminonaphthalene
05111530000457	21	0251	0	1	33.1	1	OK		1-aminonaphthalene
05111530000458	11	0251	1	2	5.96	1	OK		1-aminonaphthalene
05111530000459	11	0251	2	3	2.89	1	OK		1-aminonaphthalene
05111530000460	11	0251	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000461	11	0251	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000462	11	0251	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000463	11	0252	-1	0	45.7	1	OK		1-aminonaphthalene
05111530000464	11	0252	0	1	51.3	1	OK		1-aminonaphthalene
05111530000465	21	0252	1	2	7.09	1	OK		1-aminonaphthalene
05111530000466	11	0252	2	3	4.00	1	OK		1-aminonaphthalene
05111530000467	11	0252	3	4	2.63	1	OK		1-aminonaphthalene
05111530000468	11	0252	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000469	11	0252	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000470	11	0255	-1	0	57.5	1	OK		1-aminonaphthalene
05111530000471	11	0255	0	1	58.4	1	OK		1-aminonaphthalene
05111530000472	11	0255	1	2	9.85	1	OK		1-aminonaphthalene
05111530000473	11	0255	2	3	6.26	1	OK		1-aminonaphthalene
05111530000474	11	0255	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000475	11	0255	4	5	3.73	1	OK		1-aminonaphthalene
05111530000476	11	0255	5	6	2.59	1	OK		1-aminonaphthalene
05111530000477	11	0256	-1	0	90.6	1	OK		1-aminonaphthalene
05111530000478	11	0256	0	1	84.9	1	OK		1-aminonaphthalene
05111530000479	11	0256	1	2	10.7	1	OK		1-aminonaphthalene
05111530000480	11	0256	2	3	5.01	1	OK		1-aminonaphthalene
05111530000481	11	0256	3	4	3.42	1	OK		1-aminonaphthalene
05111530000482	11	0256	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000483	11	0256	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000484	11	0262	-1	0	39.8	1	OK		1-aminonaphthalene
05111530000485	11	0262	0	1	56.1	1	OK		1-aminonaphthalene
05111530000486	11	0262	1	2	44.9	1	OK		1-aminonaphthalene
05111530000487	11	0262	2	3	46.2	1	OK		1-aminonaphthalene
05111530000488	11	0262	3	4	61.2	1	OK		1-aminonaphthalene
05111530000489	11	0262	4	5	53.4	1	OK		1-aminonaphthalene
05111530000490	11	0262	5	6	23.5	1	OK		1-aminonaphthalene
05111530000491	11	0264	-1	0	23.1	1	OK		1-aminonaphthalene
05111530000492	11	0264	0	1	18.3	1	OK		1-aminonaphthalene
05111530000493	11	0264	1	2	5.67	1	OK		1-aminonaphthalene
05111530000494	11	0264	2	3	3.23	1	OK		1-aminonaphthalene
05111530000495	11	0264	3	4	2.53	1	OK		1-aminonaphthalene
05111530000496	11	0264	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000497	11	0264	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000498	11	0265	-1	0	79 3	1	OK		1-aminonaphthalene
05111530000499	11	0265	0	1	78 1	1	OK		1-aminonaphthalene
05111530000500	11	0265	1	2	13 3	1	OK		1-aminonaphthalene
05111530000501	11	0265	2	3	6 02	1	OK		1-aminonaphthalene
05111530000502	11	0265	3	4	4 30	1	OK		1-aminonaphthalene
05111530000503	11	0265	4	5	2 72	1	OK		1-aminonaphthalene
05111530000504	11	0265	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000505	11	0266	-1	0	100	1	OK		1-aminonaphthalene
05111530000506	11	0266	0	1	64 4	1	OK		1-aminonaphthalene
05111530000507	11	0266	1	2	10 8	1	OK		1-aminonaphthalene
05111530000508	11	0266	2	3	3 35	1	OK		1-aminonaphthalene
05111530000509	11	0266	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000510	11	0266	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000511	11	0266	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000512		0269	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000513		0269	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000519	11	0272	-1	0	100	1	OK		1-aminonaphthalene
05111530000520	11	0272	0	1	55 6	1	OK		1-aminonaphthalene
05111530000521	11	0272	1	2	12 3	1	OK		1-aminonaphthalene
05111530000522	11	0272	2	3	7 36	1	OK		1-aminonaphthalene
05111530000523	11	0272	3	4	5 15	1	OK		1-aminonaphthalene
05111530000524	11	0272	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000525	11	0272	5	6	3 37	1	OK		1-aminonaphthalene
05111530000526	11	0273	-1	0	62 3	1	OK		1-aminonaphthalene
05111530000527	11	0273	0	1	66 6	1	OK		1-aminonaphthalene
05111530000528	11	0273	1	2	10 3	1	OK		1-aminonaphthalene
05111530000529	11	0273	2	3	3 96	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000530	11	0273	3	4	2.56	1	OK		1-aminonaphthalene
05111530000531	11	0273	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000532	11	0273	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000533	11	0276	-1	0	16.3	1	OK		1-aminonaphthalene
05111530000534	21	0276	0	1	18.5	1	OK		1-aminonaphthalene
05111530000535	21	0276	1	2	5.25	1	OK		1-aminonaphthalene
05111530000536	11	0276	2	3	2.63	1	OK		1-aminonaphthalene
05111530000537	11	0276	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000538	21	0276	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000539	11	0276	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000540	11	0277	-1	0	53.5	1	OK		1-aminonaphthalene
05111530000541	11	0277	0	1	57.9	1	OK		1-aminonaphthalene
05111530000542	11	0277	1	2	11.0	1	OK		1-aminonaphthalene
05111530000543	11	0277	2	3	4.83	1	OK		1-aminonaphthalene
05111530000544	21	0277	3	4	2.67	1	OK		1-aminonaphthalene
05111530000545	11	0277	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000546	11	0277	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000547	12	0278	-1	0	71.0	1	OK		1-aminonaphthalene
05111530000548	12	0278	0	1	58.7	1	OK		1-aminonaphthalene
05111530000549	22	0278	1	2	78.1	1	OK		1-aminonaphthalene
05111530000550	12	0278	2	3	81.2	1	OK		1-aminonaphthalene
05111530000551	12	0278	3	4	69.4	1	OK		1-aminonaphthalene
05111530000552	12	0278	4	5	50.4	1	OK		1-aminonaphthalene
05111530000553	12	0278	5	6	49.4	1	OK		1-aminonaphthalene
05111530000554	12	0279	-1	0	97.2	1	OK		1-aminonaphthalene
05111530000555	12	0279	0	1	54.0	1	OK		1-aminonaphthalene
05111530000556	12	0279	1	2	14.8	1	OK		1-aminonaphthalene
05111530000557	12	0279	2	3	6.14	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000558	12	0279	3	4	4 71	1	OK		1-aminonaphthalene
05111530000559	12	0279	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000560	12	0279	5	6	2 70	1	OK		1-aminonaphthalene
05111530000561	12	0281	-1	0	136	1	OK		1-aminonaphthalene
05111530000562	12	0281	0	1	112	1	OK		1-aminonaphthalene
05111530000563	12	0281	1	2	18 3	1	OK		1-aminonaphthalene
05111530000564	12	0281	2	3	7 98	1	OK		1-aminonaphthalene
05111530000565	12	0281	3	4	7 38	1	OK		1-aminonaphthalene
05111530000566	12	0281	4	5	3 58	1	OK		1-aminonaphthalene
05111530000567	12	0281	5	6	4 26	1	OK		1-aminonaphthalene
05111530000568	12	0282	-1	0	40 8	1	OK		1-aminonaphthalene
05111530000569	12	0282	0	1	57 3	1	OK		1-aminonaphthalene
05111530000570	12	0282	1	2	11 2	1	OK		1-aminonaphthalene
05111530000571	12	0282	2	3	5 28	1	OK		1-aminonaphthalene
05111530000572	12	0282	3	4	3 49	1	OK		1-aminonaphthalene
05111530000573	12	0282	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000574	12	0282	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000575	12	0283	-1	0	29 6	1	OK		1-aminonaphthalene
05111530000576	12	0283	0	1	29 2	1	OK		1-aminonaphthalene
05111530000577	12	0283	1	2	28 1	1	OK		1-aminonaphthalene
05111530000578	12	0283	2	3	31 1	1	OK		1-aminonaphthalene
05111530000579	12	0283	3	4	27 2	1	OK		1-aminonaphthalene
05111530000580	12	0283	4	5	24 5	1	OK		1-aminonaphthalene
05111530000581	12	0283	5	6	17 6	1	OK		1-aminonaphthalene
05111530000582	12	0285	-1	0	61 8	1	OK		1-aminonaphthalene
05111530000583	12	0285	0	1	91 5	1	OK		1-aminonaphthalene
05111530000584	12	0285	1	2	87 5	1	OK		1-aminonaphthalene
05111530000585	12	0285	2	3	109	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000586	12	0285	3	4	82.3	1	OK		1-aminonaphthalene
05111530000587	12	0285	4	5	52.6	1	OK		1-aminonaphthalene
05111530000588	12	0285	5	6	96.7	1	OK		1-aminonaphthalene
05111530000589	12	0287	-1	0	66.2	1	OK		1-aminonaphthalene
05111530000590	12	0287	0	1	65.1	1	OK		1-aminonaphthalene
05111530000591	12	0287	1	2	18.2	1	OK		1-aminonaphthalene
05111530000592	12	0287	2	3	5.23	1	OK		1-aminonaphthalene
05111530000593	12	0287	3	4	5.11	1	OK		1-aminonaphthalene
05111530000594	12	0287	4	5	2.81	1	OK		1-aminonaphthalene
05111530000595	12	0287	5	6	2.61	1	OK		1-aminonaphthalene
05111530000596		0288	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000597		0288	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000603	12	0289	-1	0	51.6	1	OK		1-aminonaphthalene
05111530000604	12	0289	0	1	51.4	1	OK		1-aminonaphthalene
05111530000605	12	0289	1	2	16.7	1	OK		1-aminonaphthalene
05111530000606	12	0289	2	3	6.50	1	OK		1-aminonaphthalene
05111530000607	12	0289	3	4	3.80	1	OK		1-aminonaphthalene
05111530000608	12	0289	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000609	12	0289	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000610	12	0291	-1	0	57.8	1	OK		1-aminonaphthalene
05111530000611	12	0291	0	1	44.5	1	OK		1-aminonaphthalene
05111530000612	12	0291	1	2	8.97	1	OK		1-aminonaphthalene
05111530000613	12	0291	2	3	5.21	1	OK		1-aminonaphthalene
05111530000614	12	0291	3	4	3.73	1	OK		1-aminonaphthalene
05111530000615	12	0291	4	5	3.15	1	OK		1-aminonaphthalene
05111530000616	12	0291	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000617	12	0292	-1	0	46.7	1	OK		1-aminonaphthalene
05111530000618	12	0292	0	1	66.2	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000619	22	0292	1	2	21.0	1	OK		1-aminonaphthalene
05111530000620	12	0292	2	3	5.41	1	OK		1-aminonaphthalene
05111530000621	12	0292	3	4	4.71	1	OK		1-aminonaphthalene
05111530000622	12	0292	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000623	12	0292	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000624	12	0296	-1	0	90.1	1	OK		1-aminonaphthalene
05111530000625	22	0296	0	1	72.7	1	OK		1-aminonaphthalene
05111530000626	12	0296	1	2	11.4	1	OK		1-aminonaphthalene
05111530000627	12	0296	2	3	7.91	1	OK		1-aminonaphthalene
05111530000628	22	0296	3	4	3.12	1	OK		1-aminonaphthalene
05111530000629	12	0296	4	5	2.79	1	OK		1-aminonaphthalene
05111530000630	22	0296	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000631	12	0298	-1	0	65.2	1	OK		1-aminonaphthalene
05111530000632	12	0298	0	1	86.6	1	OK		1-aminonaphthalene
05111530000633	12	0298	1	2	95.7	1	OK		1-aminonaphthalene
05111530000634	12	0298	2	3	68.7	1	OK		1-aminonaphthalene
05111530000635	12	0298	3	4	59.0	1	OK		1-aminonaphthalene
05111530000636	12	0298	4	5	57.5	1	OK		1-aminonaphthalene
05111530000637	12	0298	5	6	80.7	1	OK		1-aminonaphthalene
05111530000638		0299	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000639		0299	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000645	13	0300	-1	0	12.0	1	OK		1-aminonaphthalene
05111530000646	13	0300	0	1	9.71	1	OK		1-aminonaphthalene
05111530000647	13	0300	1	2	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000648	13	0300	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000649	13	0300	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000650	13	0300	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000651	13	0300	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000652	13	0301	-1	0	42.1	1	OK		1-aminonaphthalene
05111530000653	13	0301	0	1	57.7	1	OK		1-aminonaphthalene
05111530000654	13	0301	1	2	6.86	1	OK		1-aminonaphthalene
05111530000655	13	0301	2	3	3.53	1	OK		1-aminonaphthalene
05111530000656	13	0301	3	4	2.82	1	OK		1-aminonaphthalene
05111530000657	13	0301	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000658	13	0301	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000659	13	0306	-1	0	89.9	1	OK		1-aminonaphthalene
05111530000660	13	0306	0	1	87.3	1	OK		1-aminonaphthalene
05111530000661	13	0306	1	2	12.1	1	OK		1-aminonaphthalene
05111530000662	13	0306	2	3	4.30	1	OK		1-aminonaphthalene
05111530000663	13	0306	3	4	3.09	1	OK		1-aminonaphthalene
05111530000664	13	0306	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000665	13	0306	5	6	2.76	1	OK		1-aminonaphthalene
05111530000666	13	0307	-1	0	64.0	1	OK		1-aminonaphthalene
05111530000667	13	0307	0	1	71.2	1	OK		1-aminonaphthalene
05111530000668	13	0307	1	2	17.7	1	OK		1-aminonaphthalene
05111530000669	13	0307	2	3	5.98	1	OK		1-aminonaphthalene
05111530000670	13	0307	3	4	4.94	1	OK		1-aminonaphthalene
05111530000671	13	0307	4	5	2.71	1	OK		1-aminonaphthalene
05111530000672	13	0307	5	6	2.72	1	OK		1-aminonaphthalene
05111530000673	13	0308	-1	0	67.7	1	OK		1-aminonaphthalene
05111530000674	13	0308	0	1	89.1	1	OK		1-aminonaphthalene
05111530000675	13	0308	1	2	12.8	1	OK		1-aminonaphthalene
05111530000676	13	0308	2	3	6.81	1	OK		1-aminonaphthalene
05111530000677	13	0308	3	4	4.56	1	OK		1-aminonaphthalene
05111530000678	13	0308	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000679	13	0308	5	6	3.03	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000680		0309	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000681		0309	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000687		0312	-1	0		1	Other	Analysis not required	1-aminonaphthalene
05111530000688		0312	0	1		1	Other	Analysis not required	1-aminonaphthalene
05111530000694	2	0025	-1	0	40.3	1	OK		1-aminonaphthalene
05111530000695	2	0025	0	1	133	1	OK		1-aminonaphthalene
05111530000696	2	0025	1	2	48.7	1	OK		1-aminonaphthalene
05111530000697	2	0025	2	3	44.8	1	OK		1-aminonaphthalene
05111530000698	2	0025	3	4	48.3	1	OK		1-aminonaphthalene
05111530000699	2	0025	4	5	40.2	1	OK		1-aminonaphthalene
05111530000700	2	0025	5	6	30.9	1	OK		1-aminonaphthalene
05111530000701	2	0028	-1	0	27.0	1	OK		1-aminonaphthalene
05111530000702	2	0028	0	1	33.1	1	OK		1-aminonaphthalene
05111530000703	2	0028	1	2	8.39	1	OK		1-aminonaphthalene
05111530000704	2	0028	2	3	8.46	1	OK		1-aminonaphthalene
05111530000705	2	0028	3	4	3.87	1	OK		1-aminonaphthalene
05111530000706	2	0028	4	5	4.00	1	OK		1-aminonaphthalene
05111530000707	2	0028	5	6	BLQ < (2.50)	1	OK		1-aminonaphthalene
05111530000715	15	0001	-1	0	51.1	1	OK		1-aminonaphthalene
05111530000716	15	0001	0	1	48.4	1	OK		1-aminonaphthalene
05111530000717	15	0001	1	2	42.9	1	OK		1-aminonaphthalene
05111530000718	15	0001	2	3	6.60	1	OK		1-aminonaphthalene
05111530000719	15	0001	3	4	52.8	1	OK		1-aminonaphthalene
05111530000720	15	0001	4	5	48.3	1	OK		1-aminonaphthalene
05111530000721	15	0001	5	6	14.3	1	OK		1-aminonaphthalene
05111530000722	15	0004	-1	0	40.9	1	OK		1-aminonaphthalene
05111530000723	15	0004	0	1	44.3	1	OK		1-aminonaphthalene
05111530000724	15	0004	1	2	8.51	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000725	15	0004	2	3	3.59	1	OK		1-aminonaphthalene
05111530000726	15	0004	3	4	2.62	1	OK		1-aminonaphthalene
05111530000727	15	0004	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000728	15	0004	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000729	15	0013	-1	0	82.5	1	OK		1-aminonaphthalene
05111530000730	15	0013	0	1	84.5	1	OK		1-aminonaphthalene
05111530000731	15	0013	1	2	7.05	1	OK		1-aminonaphthalene
05111530000732	15	0013	2	3	3.03	1	OK		1-aminonaphthalene
05111530000733	15	0013	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000734	15	0013	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000735	15	0013	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000736	15	0021	-1	0	43.2	1	OK		1-aminonaphthalene
05111530000737	15	0021	0	1	61.2	1	OK		1-aminonaphthalene
05111530000738	15	0021	1	2	11.2	1	OK		1-aminonaphthalene
05111530000739	15	0021	2	3	67.0	1	OK		1-aminonaphthalene
05111530000740	15	0021	3	4	2.61	1	OK		1-aminonaphthalene
05111530000741	15	0021	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000742	15	0021	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000743	2	0037	-1	0	79.7	1	OK		1-aminonaphthalene
05111530000744	2	0037	0	1	59.6	1	OK		1-aminonaphthalene
05111530000745	2	0037	1	2	66.8	1	OK		1-aminonaphthalene
05111530000746	2	0037	2	3	61.6	1	OK		1-aminonaphthalene
05111530000747	2	0037	3	4	59.0	1	OK		1-aminonaphthalene
05111530000748	2	0037	4	5	67.6	1	OK		1-aminonaphthalene
05111530000749	2	0037	5	6	70.8	1	OK		1-aminonaphthalene
05111530000750	3	0042	-1	0	56.8	1	OK		1-aminonaphthalene
05111530000751	3	0042	0	1	80.7	1	OK		1-aminonaphthalene
05111530000752	3	0042	1	2	69.1	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000753	3	0042	2	3	5 11	1	OK		1-aminonaphthalene
05111530000754	3	0042	3	4	113	1	OK		1-aminonaphthalene
05111530000755	3	0042	4	5	56 7	1	OK		1-aminonaphthalene
05111530000756	3	0042	5	6	67 2	1	OK		1-aminonaphthalene
05111530000757	3	0051	-1	0	31 2	1	OK		1-aminonaphthalene
05111530000758	3	0051	0	1	28 9	1	OK		1-aminonaphthalene
05111530000759	3	0051	1	2	5 47	1	OK		1-aminonaphthalene
05111530000760	3	0051	2	3	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000761	3	0051	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000762	3	0051	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000763	3	0051	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000764	3	0063	-1	0	56 8	1	OK		1-aminonaphthalene
05111530000765	3	0063	0	1	62 3	1	OK		1-aminonaphthalene
05111530000766	3	0063	1	2	13 5	1	OK		1-aminonaphthalene
05111530000767	3	0063	2	3	4 41	1	OK		1-aminonaphthalene
05111530000768	3	0063	3	4	3 95	1	OK		1-aminonaphthalene
05111530000769	3	0063	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000770	3	0063	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000771	4	0066	-1	0	37 5	1	OK		1-aminonaphthalene
05111530000772	4	0066	0	1	50 2	1	OK		1-aminonaphthalene
05111530000773	4	0066	1	2	5 62	1	OK		1-aminonaphthalene
05111530000774	4	0066	2	3	4 18	1	OK		1-aminonaphthalene
05111530000775	13	0066	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000776	13	0066	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000777	13	0066	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000778	4	0067	-1	0	32 6	1	OK		1-aminonaphthalene
05111530000779	4	0067	0	1	44 0	1	OK		1-aminonaphthalene
05111530000780	4	0067	1	2	25 0	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000781	4	0067	2	3	30.4	1	OK		1-aminonaphthalene
05111530000782	4	0067	3	4	27.0	1	OK		1-aminonaphthalene
05111530000783	4	0067	4	5	22.9	1	OK		1-aminonaphthalene
05111530000784	4	0067	5	6	30.0	1	OK		1-aminonaphthalene
05111530000785	4	0069	-1	0	44.7	1	OK		1-aminonaphthalene
05111530000786	4	0069	0	1	47.0	1	OK		1-aminonaphthalene
05111530000787	4	0069	1	2	11.2	1	OK		1-aminonaphthalene
05111530000788	22	0069	2	3	3.59	1	OK		1-aminonaphthalene
05111530000789	22	0069	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000790	22	0069	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000791	22	0069	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000792	4	0071	-1	0	87.0	1	OK		1-aminonaphthalene
05111530000793	4	0071	0	1	69.1	1	OK		1-aminonaphthalene
05111530000794	4	0071	1	2	15.9	1	OK		1-aminonaphthalene
05111530000795	4	0071	2	3	6.90	1	OK		1-aminonaphthalene
05111530000796	22	0071	3	4	2.88	1	OK		1-aminonaphthalene
05111530000797	22	0071	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000798	22	0071	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000799	4	0072	-1	0	47.3	1	OK		1-aminonaphthalene
05111530000800	4	0072	0	1	56.2	1	OK		1-aminonaphthalene
05111530000801	4	0072	1	2	41.1	1	OK		1-aminonaphthalene
05111530000802	4	0072	2	3	48.1	1	OK		1-aminonaphthalene
05111530000803	4	0072	3	4	71.6	1	OK		1-aminonaphthalene
05111530000804	4	0072	4	5	44.2	1	OK		1-aminonaphthalene
05111530000805	4	0072	5	6	45.7	1	OK		1-aminonaphthalene
05111530000806	4	0074	-1	0	68.2	1	OK		1-aminonaphthalene
05111530000807	4	0074	0	1	66.8	1	OK		1-aminonaphthalene
05111530000808	4	0074	1	2	11.0	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000809	4	0074	2	3	6 31	1	OK		1-aminonaphthalene
05111530000810	22	0074	3	4	3 31	1	OK		1-aminonaphthalene
05111530000811	22	0074	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000812	22	0074	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000813	4	0076	-1	0	32 5	1	OK		1-aminonaphthalene
05111530000814	4	0076	0	1	23 0	1	OK		1-aminonaphthalene
05111530000815	4	0076	1	2	9 57	1	OK		1-aminonaphthalene
05111530000816	22	0076	2	3	3 17	1	OK		1-aminonaphthalene
05111530000817	22	0076	3	4	3 32	1	OK		1-aminonaphthalene
05111530000818	22	0076	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000819	22	0076	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000820	4	0080	-1	0	55 4	1	OK		1-aminonaphthalene
05111530000821	4	0080	0	1	47 1	1	OK		1-aminonaphthalene
05111530000822	4	0080	1	2	44 6	1	OK		1-aminonaphthalene
05111530000823	4	0080	2	3	58 0	1	OK		1-aminonaphthalene
05111530000824	22	0080	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000825	4	0080	4	5	23 4	1	OK		1-aminonaphthalene
05111530000826	4	0080	5	6	53 3	1	OK		1-aminonaphthalene
05111530000827	4	0083	-1	0	76 2	1	OK		1-aminonaphthalene
05111530000828	4	0083	0	1	44 5	1	OK		1-aminonaphthalene
05111530000829	4	0083	1	2	14 0	1	OK		1-aminonaphthalene
05111530000830	4	0083	2	3	4 59	1	OK		1-aminonaphthalene
05111530000831	22	0083	3	4	2 77	1	OK		1-aminonaphthalene
05111530000832	22	0083	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000833	22	0083	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000834	4	0085	-1	0	27 3	1	OK		1-aminonaphthalene
05111530000835	4	0085	0	1	31 3	1	OK		1-aminonaphthalene
05111530000836	4	0085	1	2	7 34	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000837	22	0085	2	3	3 28	1	OK		1-aminonaphthalene
05111530000841	4	0086	-1	0	74 3	1	OK		1-aminonaphthalene
05111530000842	4	0086	0	1	63 5	1	OK		1-aminonaphthalene
05111530000843	4	0086	1	2	17 3	1	OK		1-aminonaphthalene
05111530000844	4	0086	2	3	7 32	1	OK		1-aminonaphthalene
05111530000845	4	0086	3	4	5 36	1	OK		1-aminonaphthalene
05111530000846	22	0086	4	5	3 13	1	OK		1-aminonaphthalene
05111530000847	4	0086	5	6	4 34	1	OK		1-aminonaphthalene
05111530000848	4	0087	-1	0	66 9	1	OK		1-aminonaphthalene
05111530000849	4	0087	0	1	61 2	1	OK		1-aminonaphthalene
05111530000850	4	0087	1	2	65 3	1	OK		1-aminonaphthalene
05111530000851	4	0087	2	3	57 7	1	OK		1-aminonaphthalene
05111530000852	4	0087	3	4	58 2	1	OK		1-aminonaphthalene
05111530000853	4	0087	4	5	44 3	1	OK		1-aminonaphthalene
05111530000854	4	0087	5	6	30 2	1	OK		1-aminonaphthalene
05111530000855	4	0088	-1	0	34 5	1	OK		1-aminonaphthalene
05111530000856	4	0088	0	1	35 6	1	OK		1-aminonaphthalene
05111530000857	4	0088	1	2	12 1	1	OK		1-aminonaphthalene
05111530000858	22	0088	2	3	3 63	1	OK		1-aminonaphthalene
05111530000859	22	0088	3	4	2 94	1	OK		1-aminonaphthalene
05111530000860	22	0088	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000861	22	0088	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000862	16	0090	-1	0	38 4	1	OK		1-aminonaphthalene
05111530000863	16	0090	0	1	37 1	1	OK		1-aminonaphthalene
05111530000864	16	0090	1	2	6 18	1	OK		1-aminonaphthalene
05111530000865	16	0090	2	3	2 82	1	OK		1-aminonaphthalene
05111530000866	16	0090	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000867	16	0090	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000868	16	0090	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000869	16	0093	-1	0	48 0	1	OK		1-aminonaphthalene
05111530000870	16	0093	0	1	47 4	1	OK		1-aminonaphthalene
05111530000871	16	0093	1	2	9 81	1	OK		1-aminonaphthalene
05111530000872	16	0093	2	3	4 15	1	OK		1-aminonaphthalene
05111530000873	16	0093	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000874	16	0093	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000875	16	0093	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000876	16	0104	-1	0	25 3	1	OK		1-aminonaphthalene
05111530000877	16	0104	0	1	31 1	1	OK		1-aminonaphthalene
05111530000878	16	0104	1	2	5 20	1	OK		1-aminonaphthalene
05111530000879	16	0104	2	3	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000880	16	0104	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000881	16	0104	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000882	16	0104	5	6	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000883	16	0105	-1	0	65 9	1	OK		1-aminonaphthalene
05111530000884	16	0105	0	1	71 0	1	OK		1-aminonaphthalene
05111530000885	16	0105	1	2	98 3	1	OK		1-aminonaphthalene
05111530000886	16	0105	2	3	82 2	1	OK		1-aminonaphthalene
05111530000887	16	0105	3	4	59 2	1	OK		1-aminonaphthalene
05111530000888	16	0105	4	5	47 7	1	OK		1-aminonaphthalene
05111530000889	16	0105	5	6	35 7	1	OK		1-aminonaphthalene
05111530000890	16	0106	-1	0	26 2	1	OK		1-aminonaphthalene
05111530000891	16	0106	0	1	34 0	1	OK		1-aminonaphthalene
05111530000892	16	0106	1	2	4 61	1	OK		1-aminonaphthalene
05111530000893	16	0106	2	3	3 55	1	OK		1-aminonaphthalene
05111530000894	16	0106	3	4	BLQ<(2 50)	1	OK		1-aminonaphthalene
05111530000895	16	0106	4	5	BLQ<(2 50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000896	16	0106	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000897	16	0107	-1	0	81.3	1	OK		1-aminonaphthalene
05111530000898	16	0107	0	1	62.5	1	OK		1-aminonaphthalene
05111530000899	16	0107	1	2	10.5	1	OK		1-aminonaphthalene
05111530000900	16	0107	2	3	3.64	1	OK		1-aminonaphthalene
05111530000901	16	0107	3	4	38.5	1	OK		1-aminonaphthalene
05111530000902	16	0107	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000903	16	0107	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000904	16	0110	-1	0	59.9	1	OK		1-aminonaphthalene
05111530000905	16	0110	0	1	81.7	1	OK		1-aminonaphthalene
05111530000906	16	0110	1	2	15.9	1	OK		1-aminonaphthalene
05111530000907	16	0110	2	3	9.49	1	OK		1-aminonaphthalene
05111530000908	16	0110	3	4	4.61	1	OK		1-aminonaphthalene
05111530000909	16	0110	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000910	16	0110	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000911	16	0112	-1	0	45.0	1	OK		1-aminonaphthalene
05111530000913	16	0112	1	2	14.9	1	OK		1-aminonaphthalene
05111530000914	16	0112	2	3	6.07	1	OK		1-aminonaphthalene
05111530000915	16	0112	3	4	3.80	1	OK		1-aminonaphthalene
05111530000916	16	0112	4	5	2.66	1	OK		1-aminonaphthalene
05111530000917	16	0112	5	6	3.55	1	OK		1-aminonaphthalene
05111530000918	16	0114	-1	0	34.3	1	OK		1-aminonaphthalene
05111530000919	16	0114	0	1	46.6	1	OK		1-aminonaphthalene
05111530000920	16	0114	1	2	10.2	1	OK		1-aminonaphthalene
05111530000921	16	0114	2	3	3.87	1	OK		1-aminonaphthalene
05111530000922	16	0114	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000923	16	0114	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000924	16	0114	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000925	16	0117	-1	0	38.1	1	OK		1-aminonaphthalene
05111530000926	16	0117	0	1	42.0	1	OK		1-aminonaphthalene
05111530000927	16	0117	1	2	53.6	1	OK		1-aminonaphthalene
05111530000928	16	0117	2	3	61.8	1	OK		1-aminonaphthalene
05111530000929	16	0117	3	4	48.6	1	OK		1-aminonaphthalene
05111530000930	16	0117	4	5	40.2	1	OK		1-aminonaphthalene
05111530000931	16	0117	5	6	33.2	1	OK		1-aminonaphthalene
05111530000932	16	0118	-1	0	76.6	1	OK		1-aminonaphthalene
05111530000933	16	0118	0	1	88.2	1	OK		1-aminonaphthalene
05111530000934	16	0118	1	2	90.9	1	OK		1-aminonaphthalene
05111530000935	16	0118	2	3	79.2	1	OK		1-aminonaphthalene
05111530000936	16	0118	3	4	112	1	OK		1-aminonaphthalene
05111530000937	16	0118	4	5	75.6	1	OK		1-aminonaphthalene
05111530000938	16	0118	5	6	89.4	1	OK		1-aminonaphthalene
05111530000939	16	0121	-1	0	36.3	1	OK		1-aminonaphthalene
05111530000940	16	0121	0	1	49.1	1	OK		1-aminonaphthalene
05111530000941	16	0121	1	2	22.2	1	OK		1-aminonaphthalene
05111530000942	16	0121	2	3	26.7	1	OK		1-aminonaphthalene
05111530000943	16	0121	3	4	21.9	1	OK		1-aminonaphthalene
05111530000944	16	0121	4	5	19.1	1	OK		1-aminonaphthalene
05111530000945	16	0121	5	6	24.4	1	OK		1-aminonaphthalene
05111530000946	6	0122	-1	0	51.8	1	OK		1-aminonaphthalene
05111530000947	6	0122	0	1	37.6	1	OK		1-aminonaphthalene
05111530000948	6	0122	1	2	4.93	1	OK		1-aminonaphthalene
05111530000949	6	0122	2	3	2.50	1	OK		1-aminonaphthalene
05111530000950	6	0122	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000951	6	0122	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000952	6	0122	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000953	6	0123	-1	0	19.8	1	OK		1-aminonaphthalene
05111530000954	6	0123	0	1	32.0	1	OK		1-aminonaphthalene
05111530000955	6	0123	1	2	5.78	1	OK		1-aminonaphthalene
05111530000956	6	0123	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000957	6	0123	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000958	6	0123	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000959	6	0123	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000960	6	0126	-1	0	32.4	1	OK		1-aminonaphthalene
05111530000961	6	0126	0	1	28.0	1	OK		1-aminonaphthalene
05111530000962	6	0126	1	2	34.3	1	OK		1-aminonaphthalene
05111530000963	6	0126	2	3	27.1	1	OK		1-aminonaphthalene
05111530000964	6	0126	3	4	32.6	1	OK		1-aminonaphthalene
05111530000965	6	0126	4	5	25.5	1	OK		1-aminonaphthalene
05111530000966	6	0126	5	6	24.8	1	OK		1-aminonaphthalene
05111530000967	6	0127	-1	0	112	1	OK		1-aminonaphthalene
05111530000968	6	0127	0	1	35.9	1	OK		1-aminonaphthalene
05111530000969	6	0127	1	2	7.47	1	OK		1-aminonaphthalene
05111530000970	6	0127	2	3	4.44	1	OK		1-aminonaphthalene
05111530000971	6	0127	3	4	2.87	1	OK		1-aminonaphthalene
05111530000972	6	0127	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000973	6	0127	5	6	2.82	1	OK		1-aminonaphthalene
05111530000974	6	0128	-1	0	89.6	1	OK		1-aminonaphthalene
05111530000975	6	0128	0	1	72.5	1	OK		1-aminonaphthalene
05111530000976	6	0128	1	2	13.4	1	OK		1-aminonaphthalene
05111530000977	6	0128	2	3	4.64	1	OK		1-aminonaphthalene
05111530000978	6	0128	3	4	3.67	1	OK		1-aminonaphthalene
05111530000979	6	0128	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000980	6	0128	5	6	2.67	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530000981	6	0129	-1	0	60.6	1	OK		1-aminonaphthalene
05111530000982	6	0129	0	1	47.8	1	OK		1-aminonaphthalene
05111530000983	6	0129	1	2	8.39	1	OK		1-aminonaphthalene
05111530000984	6	0129	2	3	5.21	1	OK		1-aminonaphthalene
05111530000985	6	0129	3	4	3.13	1	OK		1-aminonaphthalene
05111530000986	6	0129	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000987	6	0129	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000988	6	0130	-1	0	75.2	1	OK		1-aminonaphthalene
05111530000989	6	0130	0	1	64.1	1	OK		1-aminonaphthalene
05111530000990	6	0130	1	2	9.07	1	OK		1-aminonaphthalene
05111530000991	6	0130	2	3	5.05	1	OK		1-aminonaphthalene
05111530000992	6	0130	3	4	4.55	1	OK		1-aminonaphthalene
05111530000993	6	0130	4	5	2.74	1	OK		1-aminonaphthalene
05111530000994	6	0130	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000995	6	0133	-1	0	52.6	1	OK		1-aminonaphthalene
05111530000996	6	0133	0	1	67.1	1	OK		1-aminonaphthalene
05111530000997	6	0133	1	2	16.2	1	OK		1-aminonaphthalene
05111530000998	6	0133	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530000999	6	0133	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001000	6	0133	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001001	6	0133	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001002	6	0134	-1	0	55.3	1	OK		1-aminonaphthalene
05111530001003	6	0134	0	1	61.4	1	OK		1-aminonaphthalene
05111530001004	6	0134	1	2	11.9	1	OK		1-aminonaphthalene
05111530001005	6	0134	2	3	4.44	1	OK		1-aminonaphthalene
05111530001006	6	0134	3	4	4.09	1	OK		1-aminonaphthalene
05111530001007	6	0134	4	5	3.10	1	OK		1-aminonaphthalene
05111530001008	6	0134	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001009	6	0136	-1	0	103	1	OK		1-aminonaphthalene
05111530001010	6	0136	0	1	69.3	1	OK		1-aminonaphthalene
05111530001011	6	0136	1	2	30.3	1	OK		1-aminonaphthalene
05111530001012	6	0136	2	3	14.3	1	OK		1-aminonaphthalene
05111530001013	6	0136	3	4	11.8	1	OK		1-aminonaphthalene
05111530001014	6	0136	4	5	4.22	1	OK		1-aminonaphthalene
05111530001015	6	0136	5	6	3.50	1	OK		1-aminonaphthalene
05111530001016	6	0137	-1	0	54.4	1	OK		1-aminonaphthalene
05111530001017	6	0137	0	1	39.4	1	OK		1-aminonaphthalene
05111530001018	6	0137	1	2	12.3	1	OK		1-aminonaphthalene
05111530001019	6	0137	2	3	5.64	1	OK		1-aminonaphthalene
05111530001020	6	0137	3	4	4.03	1	OK		1-aminonaphthalene
05111530001021	6	0137	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001022	6	0137	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001023	6	0139	-1	0	63.0	1	OK		1-aminonaphthalene
05111530001024	6	0139	0	1	67.6	1	OK		1-aminonaphthalene
05111530001025	6	0139	1	2	44.7	1	OK		1-aminonaphthalene
05111530001026	6	0139	2	3	48.4	1	OK		1-aminonaphthalene
05111530001027	6	0139	3	4	69.5	1	OK		1-aminonaphthalene
05111530001028	6	0139	4	5	53.6	1	OK		1-aminonaphthalene
05111530001029	6	0139	5	6	67.0	1	OK		1-aminonaphthalene
05111530001030	7	0140	-1	0	28.1	1	OK		1-aminonaphthalene
05111530001031	7	0140	0	1	30.0	1	OK		1-aminonaphthalene
05111530001032	7	0140	1	2	28.3	1	OK		1-aminonaphthalene
05111530001033	7	0140	2	3	32.1	1	OK		1-aminonaphthalene
05111530001034	7	0140	3	4	35.5	1	OK		1-aminonaphthalene
05111530001035	7	0140	4	5	26.7	1	OK		1-aminonaphthalene
05111530001036	7	0140	5	6	26.7	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001037	7	0145	-1	0	30.1	1	OK		1-aminonaphthalene
05111530001038	7	0145	0	1	37.3	1	OK		1-aminonaphthalene
05111530001039	7	0145	1	2	10.7	1	OK		1-aminonaphthalene
05111530001040	7	0145	2	3	3.85	1	OK		1-aminonaphthalene
05111530001041	7	0145	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001042	7	0145	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001043	7	0145	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001044	7	0147	-1	0	55.6	1	OK		1-aminonaphthalene
05111530001045	7	0147	0	1	36.9	1	OK		1-aminonaphthalene
05111530001046	7	0147	1	2	55.8	1	OK		1-aminonaphthalene
05111530001047	7	0147	2	3	6.07	1	OK		1-aminonaphthalene
05111530001048	7	0147	3	4	3.86	1	OK		1-aminonaphthalene
05111530001049	7	0147	4	5	2.89	1	OK		1-aminonaphthalene
05111530001050	7	0147	5	6	9.07	1	OK		1-aminonaphthalene
05111530001051	7	0148	-1	0	188	1	OK		1-aminonaphthalene
05111530001052	7	0148	0	1	129	1	OK		1-aminonaphthalene
05111530001053	7	0148	1	2	125	1	OK		1-aminonaphthalene
05111530001054	7	0148	2	3	89.7	1	OK		1-aminonaphthalene
05111530001055	7	0148	3	4	105	1	OK		1-aminonaphthalene
05111530001056	7	0148	4	5	106	1	OK		1-aminonaphthalene
05111530001057	7	0148	5	6	93.2	1	OK		1-aminonaphthalene
05111530001058	7	0149	-1	0	55.1	1	OK		1-aminonaphthalene
05111530001059	7	0149	0	1	43.9	1	OK		1-aminonaphthalene
05111530001060	7	0149	1	2	7.15	1	OK		1-aminonaphthalene
05111530001061	7	0149	2	3	3.48	1	OK		1-aminonaphthalene
05111530001062	7	0149	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001063	7	0149	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001064	7	0149	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001065	7	0150	-1	0	95.3	1	OK		1-aminonaphthalene
05111530001066	7	0150	0	1	68.8	1	OK		1-aminonaphthalene
05111530001067	7	0150	1	2	16.8	1	OK		1-aminonaphthalene
05111530001068	7	0150	2	3	7.49	1	OK		1-aminonaphthalene
05111530001069	7	0150	3	4	2.77	1	OK		1-aminonaphthalene
05111530001070	7	0150	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001071	7	0150	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001072	7	0152	-1	0	26.5	1	OK		1-aminonaphthalene
05111530001073	7	0152	0	1	21.1	1	OK		1-aminonaphthalene
05111530001074	7	0152	1	2	22.1	1	OK		1-aminonaphthalene
05111530001075	7	0152	2	3	16.0	1	OK		1-aminonaphthalene
05111530001076	7	0152	3	4	22.9	1	OK		1-aminonaphthalene
05111530001077	7	0152	4	5	19.7	1	OK		1-aminonaphthalene
05111530001078	7	0152	5	6	23.1	1	OK		1-aminonaphthalene
05111530001079	7	0153	-1	0	42.1	1	OK		1-aminonaphthalene
05111530001080	7	0153	0	1	50.4	1	OK		1-aminonaphthalene
05111530001081	7	0153	1	2	9.42	1	OK		1-aminonaphthalene
05111530001082	7	0153	2	3	4.00	1	OK		1-aminonaphthalene
05111530001083	7	0153	3	4	2.56	1	OK		1-aminonaphthalene
05111530001084	7	0153	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001085	7	0153	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001086	7	0155	-1	0	39.9	1	OK		1-aminonaphthalene
05111530001087	7	0155	0	1	41.1	1	OK		1-aminonaphthalene
05111530001088	7	0155	1	2	9.85	1	OK		1-aminonaphthalene
05111530001089	7	0155	2	3	5.29	1	OK		1-aminonaphthalene
05111530001090	7	0155	3	4	2.56	1	OK		1-aminonaphthalene
05111530001091	7	0155	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001092	7	0155	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001093	7	0156	-1	0	102	1	OK		1-aminonaphthalene
05111530001094	7	0156	0	1	118	1	OK		1-aminonaphthalene
05111530001095	7	0156	1	2	115	1	OK		1-aminonaphthalene
05111530001096	7	0156	2	3	109	1	OK		1-aminonaphthalene
05111530001097	7	0156	3	4	115	1	OK		1-aminonaphthalene
05111530001098	7	0156	4	5	112	1	OK		1-aminonaphthalene
05111530001099	7	0156	5	6	92.6	1	OK		1-aminonaphthalene
05111530001100	7	0160	-1	0	65.5	1	OK		1-aminonaphthalene
05111530001101	7	0160	0	1	73.8	1	OK		1-aminonaphthalene
05111530001102	7	0160	1	2	74.4	1	OK		1-aminonaphthalene
05111530001103	7	0160	2	3	68.3	1	OK		1-aminonaphthalene
05111530001104	7	0160	3	4	65.3	1	OK		1-aminonaphthalene
05111530001105	7	0160	4	5	69.7	1	OK		1-aminonaphthalene
05111530001106	7	0160	5	6	71.2	1	OK		1-aminonaphthalene
05111530001107	7	0162	-1	0	45.8	1	OK		1-aminonaphthalene
05111530001108	7	0162	0	1	62.5	1	OK		1-aminonaphthalene
05111530001109	7	0162	1	2	12.2	1	OK		1-aminonaphthalene
05111530001110	7	0162	2	3	7.53	1	OK		1-aminonaphthalene
05111530001111	7	0162	3	4	5.35	1	OK		1-aminonaphthalene
05111530001112	7	0162	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001113	7	0162	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001114	8	0167	-1	0	57.3	1	OK		1-aminonaphthalene
05111530001115	8	0167	0	1	66.9	1	OK		1-aminonaphthalene
05111530001116	8	0167	1	2	8.39	1	OK		1-aminonaphthalene
05111530001117	8	0167	2	3	3.91	1	OK		1-aminonaphthalene
05111530001118	8	0167	3	4	3.17	1	OK		1-aminonaphthalene
05111530001119	8	0167	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530001120	8	0167	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530001135	23	0011	-1	0	53.1	2	OK		1-aminonaphthalene
05111530001165	15	0017	1	2	6.49	2	OK		1-aminonaphthalene
05111530001175	23	0020	4	5	BLQ<(2.50)	2	OK		1-aminonaphthalene
05111530001457		0211	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001458		0211	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001541		0242	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001542		0242	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001555		0245	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001556		0245	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001562		0247	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001563		0247	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001632		0269	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001633		0269	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001716		0288	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001717		0288	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001758		0299	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001759		0299	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001800		0309	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001801		0309	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530001807		0312	-1	0		2	Other	Analysis not required	1-aminonaphthalene
05111530001808		0312	0	1		2	Other	Analysis not required	1-aminonaphthalene
05111530002032	23	0112	0	1	53.7	2	OK		1-aminonaphthalene
05111530002248	13	0313	-1	0	33.4	1	OK		1-aminonaphthalene
05111530002249	13	0313	0	1	35.4	1	OK		1-aminonaphthalene
05111530002250	13	0313	1	2	46.5	1	OK		1-aminonaphthalene
05111530002251	13	0313	2	3	33.1	1	OK		1-aminonaphthalene
05111530002252	13	0313	3	4	38.7	1	OK		1-aminonaphthalene
05111530002253	13	0313	4	5	30.0	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002254	13	0313	5	6	30.3	1	OK		1-aminonaphthalene
05111530002262	13	0315	-1	0	53.9	1	OK		1-aminonaphthalene
05111530002263	13	0315	0	1	60.5	1	OK		1-aminonaphthalene
05111530002264	13	0315	1	2	49.9	1	OK		1-aminonaphthalene
05111530002265	13	0315	2	3	62.1	1	OK		1-aminonaphthalene
05111530002266	13	0315	3	4	51.6	1	OK		1-aminonaphthalene
05111530002267	13	0315	4	5	47.9	1	OK		1-aminonaphthalene
05111530002268	13	0315	5	6	49.2	1	OK		1-aminonaphthalene
05111530002276	13	0316	-1	0	14.4	1	OK		1-aminonaphthalene
05111530002277	13	0316	0	1	13.1	1	OK		1-aminonaphthalene
05111530002278	13	0316	1	2	3.33	1	OK		1-aminonaphthalene
05111530002279	13	0316	2	3	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002280	13	0316	3	4	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002281	13	0316	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002282	13	0316	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002290	13	0317	-1	0	59.3	1	OK		1-aminonaphthalene
05111530002291	13	0317	0	1	47.1	1	OK		1-aminonaphthalene
05111530002292	13	0317	1	2	15.0	1	OK		1-aminonaphthalene
05111530002293	13	0317	2	3	6.70	1	OK		1-aminonaphthalene
05111530002294	13	0317	3	4	3.94	1	OK		1-aminonaphthalene
05111530002295	13	0317	4	5	2.68	1	OK		1-aminonaphthalene
05111530002296	13	0317	5	6	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002304	13	0318	-1	0	60.3	1	OK		1-aminonaphthalene
05111530002305	13	0318	0	1	57.5	1	OK		1-aminonaphthalene
05111530002306	13	0318	1	2	71.1	1	OK		1-aminonaphthalene
05111530002307	13	0318	2	3	42.1	1	OK		1-aminonaphthalene
05111530002308	13	0318	3	4	78.1	1	OK		1-aminonaphthalene
05111530002309	13	0318	4	5	72.2	1	OK		1-aminonaphthalene





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002310	13	0318	5	6	114	1	OK		1-aminonaphthalene
05111530002318	13	0320	-1	0	87.8	1	OK		1-aminonaphthalene
05111530002319	13	0320	0	1	87.6	1	OK		1-aminonaphthalene
05111530002320	13	0320	1	2	21.4	1	OK		1-aminonaphthalene
05111530002321	13	0320	2	3	11.8	1	OK		1-aminonaphthalene
05111530002322	13	0320	3	4	7.88	1	OK		1-aminonaphthalene
05111530002323	13	0320	4	5	5.09	1	OK		1-aminonaphthalene
05111530002324	13	0320	5	6	3.66	1	OK		1-aminonaphthalene
05111530002332	13	0321	-1	0	34.3	1	OK		1-aminonaphthalene
05111530002333	13	0321	0	1	45.4	1	OK		1-aminonaphthalene
05111530002334	13	0321	1	2	6.49	1	OK		1-aminonaphthalene
05111530002335	13	0321	2	3	4.15	1	OK		1-aminonaphthalene
05111530002336	13	0321	3	4	3.42	1	OK		1-aminonaphthalene
05111530002337	13	0321	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene
05111530002338	13	0321	5	6	2.81	1	OK		1-aminonaphthalene
05111530002346	14	0322	-1	0	45.4	1	OK		1-aminonaphthalene
05111530002347	14	0322	0	1	46.2	1	OK		1-aminonaphthalene
05111530002348	14	0322	1	2	38.4	1	OK		1-aminonaphthalene
05111530002349	14	0322	2	3	36.0	1	OK		1-aminonaphthalene
05111530002350	14	0322	3	4	31.3	1	OK		1-aminonaphthalene
05111530002351	14	0322	4	5	24.8	1	OK		1-aminonaphthalene
05111530002352	14	0322	5	6	24.7	1	OK		1-aminonaphthalene
05111530002360	14	0325	-1	0	116	1	OK		1-aminonaphthalene
05111530002361	14	0325	0	1	92.3	1	OK		1-aminonaphthalene
05111530002362	14	0325	1	2	30.1	1	OK		1-aminonaphthalene
05111530002363	14	0325	2	3	9.96	1	OK		1-aminonaphthalene
05111530002364	14	0325	3	4	5.89	1	OK		1-aminonaphthalene
05111530002365	16	0325	4	5	BLQ<(2.50)	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Custom ID	Run ID	Subject	Start Day Nominal	Day Nominal	Concentration (pg/mL)	Split	Sample Condition	Sample Comments	Analyte
05111530002366	12	0325	5	6	3.08	1	OK		1-aminonaphthalene
05111530002374	14	0328	-1	0	28.6	1	OK		1-aminonaphthalene
05111530002375	14	0328	0	1	31.4	1	OK		1-aminonaphthalene
05111530002376	14	0328	1	2	18.1	1	OK		1-aminonaphthalene
05111530002377	14	0328	2	3	24.2	1	OK		1-aminonaphthalene
05111530002378	14	0328	3	4	19.6	1	OK		1-aminonaphthalene
05111530002379	14	0328	4	5	16.4	1	OK		1-aminonaphthalene
05111530002380	14	0328	5	6	21.6	1	OK		1-aminonaphthalene



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 18 Summary of Reassay for Analytical Reasons for 4-Aminobiphenyl

Run ID	Reason	Sample Name
1	UISR	AA99071-09 05111530000735 0013 N/A P1 Day 6 URN-1
8	UISR	AA99071-09 05111530000257 0189 N/A P1 Day 4 URN-1
10	UISR	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
10	UISR	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
11	UISR	AA99071-09 05111530000457 0251 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000465 0252 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000534 0276 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000535 0276 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000538 0276 N/A P1 Day 5 URN-1
11	UISR	AA99071-09 05111530000544 0277 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
12	UISR	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
20	UISR/ISR	AA99071-09 05111530000352 0218 N/A P1 Day 1 URN-1
20	UISR/ISR	AA99071-09 05111530000373 0228 N/A P1 Day 1 URN-1
20	UISR/ISR	AA99071-09 05111530000387 0230 N/A P1 Day 1 URN-1



4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 19 Summary of Reassay for Analytical Reasons for *o*-Toluidine

Run ID	Reason	Sample Name
1	UCR	AA99071-09 05111530000722 0004 N/A P1 Day 0 URN-1
1	UCR	AA99071-09 05111530000018 0011 N/A P1 Day 3 URN-1
1	UISR	AA99071-09 05111530000735 0013 N/A P1 Day 6 URN-1
2	UCR	AA99071-09 05111530000084 0030 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000771 0066 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000772 0066 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000773 0066 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000774 0066 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000775 0066 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000776 0066 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000777 0066 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000778 0067 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000779 0067 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000780 0067 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000781 0067 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000782 0067 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000783 0067 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000784 0067 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000785 0069 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000786 0069 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000787 0069 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000788 0069 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000789 0069 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000790 0069 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000791 0069 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000794 0071 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000795 0071 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000796 0071 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000797 0071 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000798 0071 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000799 0072 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000800 0072 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000801 0072 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000802 0072 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000803 0072 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000804 0072 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000805 0072 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000808 0074 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000809 0074 N/A P1 Day 3 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
4	LSR	AA99071-09 05111530000810 0074 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000811 0074 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000812 0074 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000813 0076 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000814 0076 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000815 0076 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000816 0076 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000817 0076 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000818 0076 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000819 0076 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000820 0080 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000821 0080 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000822 0080 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000823 0080 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000824 0080 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000825 0080 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000826 0080 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000828 0083 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000829 0083 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000830 0083 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000831 0083 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000832 0083 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000833 0083 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000834 0085 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000835 0085 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000836 0085 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000837 0085 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000841 0086 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000843 0086 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000844 0086 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000845 0086 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000846 0086 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000847 0086 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000848 0087 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000851 0087 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000853 0087 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000854 0087 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000855 0088 N/A P1 Day 0 URN-1
4	LSR	AA99071-09 05111530000856 0088 N/A P1 Day 1 URN-1
4	LSR	AA99071-09 05111530000857 0088 N/A P1 Day 2 URN-1
4	LSR	AA99071-09 05111530000858 0088 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000859 0088 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000860 0088 N/A P1 Day 5 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
4	LSR	AA99071-09 05111530000861 0088 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000862 0090 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000863 0090 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000864 0090 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000865 0090 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000866 0090 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000867 0090 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000868 0090 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000869 0093 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000870 0093 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000871 0093 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000872 0093 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000873 0093 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000874 0093 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000875 0093 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000878 0104 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000879 0104 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000880 0104 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000881 0104 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000882 0104 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000887 0105 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000888 0105 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000889 0105 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000890 0106 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000891 0106 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000892 0106 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000893 0106 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000894 0106 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000895 0106 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000896 0106 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000898 0107 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000899 0107 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000900 0107 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000901 0107 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000902 0107 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000903 0107 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000906 0110 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000907 0110 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000908 0110 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000909 0110 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000910 0110 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000913 0112 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000914 0112 N/A P1 Day 3 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
5	LSR	AA99071-09 05111530000915 0112 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000916 0112 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000917 0112 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000918 0114 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000919 0114 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000920 0114 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000921 0114 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000922 0114 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000924 0114 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000925 0117 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000926 0117 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000929 0117 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000930 0117 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000931 0117 N/A P1 Day 6 URN-1
5	LSR	AA99071-09 05111530000939 0121 N/A P1 Day 0 URN-1
5	LSR	AA99071-09 05111530000940 0121 N/A P1 Day 1 URN-1
5	LSR	AA99071-09 05111530000941 0121 N/A P1 Day 2 URN-1
5	LSR	AA99071-09 05111530000942 0121 N/A P1 Day 3 URN-1
5	LSR	AA99071-09 05111530000943 0121 N/A P1 Day 4 URN-1
5	LSR	AA99071-09 05111530000944 0121 N/A P1 Day 5 URN-1
5	LSR	AA99071-09 05111530000945 0121 N/A P1 Day 6 URN-1
8	UISR	AA99071-09 05111530000257 0189 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000260 0193 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000261 0193 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000262 0193 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000263 0193 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000264 0193 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000265 0193 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000266 0193 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000267 0195 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000268 0195 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000269 0195 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000270 0195 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000271 0195 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000272 0195 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000273 0195 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000274 0196 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000275 0196 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000276 0196 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000277 0196 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000278 0196 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000279 0196 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000280 0196 N/A P1 Day 6 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
9	Fail	AA99071-09 05111530000281 0197 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000282 0197 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000283 0197 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000284 0197 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000285 0197 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000286 0197 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000287 0197 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000288 0198 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000289 0198 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000290 0198 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000291 0198 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000292 0198 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000293 0198 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000294 0198 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000295 0200 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000296 0200 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000297 0200 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000298 0200 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000299 0200 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000300 0200 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000301 0200 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000302 0202 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000303 0202 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000304 0202 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000305 0202 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000306 0202 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000307 0202 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000308 0202 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000309 0203 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000310 0203 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000311 0203 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000312 0203 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000313 0203 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000314 0203 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000315 0203 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000316 0204 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000317 0204 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000318 0204 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000319 0204 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000320 0204 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000321 0204 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000322 0204 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000323 0206 N/A P1 Day 0 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
9	Fail	AA99071-09 05111530000324 0206 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000325 0206 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000326 0206 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000327 0206 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000328 0206 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000329 0206 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000330 0210 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000331 0210 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000332 0210 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000333 0210 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000334 0210 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000335 0210 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000336 0210 N/A P1 Day 6 URN-1
9	Fail	AA99071-09 05111530000344 0216 N/A P1 Day 0 URN-1
9	Fail	AA99071-09 05111530000345 0216 N/A P1 Day 1 URN-1
9	Fail	AA99071-09 05111530000346 0216 N/A P1 Day 2 URN-1
9	Fail	AA99071-09 05111530000347 0216 N/A P1 Day 3 URN-1
9	Fail	AA99071-09 05111530000348 0216 N/A P1 Day 4 URN-1
9	Fail	AA99071-09 05111530000349 0216 N/A P1 Day 5 URN-1
9	Fail	AA99071-09 05111530000350 0216 N/A P1 Day 6 URN-1
10	UISR	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
10	UISR	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000456 0251 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000458 0251 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000459 0251 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000460 0251 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000461 0251 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000462 0251 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000463 0252 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000464 0252 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000466 0252 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000467 0252 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000468 0252 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000469 0252 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000470 0255 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000471 0255 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000472 0255 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000473 0255 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000474 0255 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000475 0255 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000476 0255 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000477 0256 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000478 0256 N/A P1 Day 1 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
11	Fail	AA99071-09 05111530000479 0256 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000480 0256 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000481 0256 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000482 0256 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000483 0256 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000484 0262 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000485 0262 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000486 0262 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000487 0262 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000488 0262 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000489 0262 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000490 0262 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000491 0264 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000492 0264 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000493 0264 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000494 0264 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000495 0264 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000496 0264 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000497 0264 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000498 0265 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000499 0265 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000500 0265 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000501 0265 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000502 0265 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000503 0265 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000504 0265 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000505 0266 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000506 0266 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000507 0266 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000508 0266 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000509 0266 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000510 0266 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000511 0266 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000519 0272 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000520 0272 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000521 0272 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000522 0272 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000523 0272 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000524 0272 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000525 0272 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000526 0273 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000527 0273 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000528 0273 N/A P1 Day 2 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
11	Fail	AA99071-09 05111530000529 0273 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000530 0273 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000531 0273 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000532 0273 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000533 0276 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000536 0276 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000537 0276 N/A P1 Day 4 URN-1
11	Fail	AA99071-09 05111530000539 0276 N/A P1 Day 6 URN-1
11	Fail	AA99071-09 05111530000540 0277 N/A P1 Day 0 URN-1
11	Fail	AA99071-09 05111530000541 0277 N/A P1 Day 1 URN-1
11	Fail	AA99071-09 05111530000542 0277 N/A P1 Day 2 URN-1
11	Fail	AA99071-09 05111530000543 0277 N/A P1 Day 3 URN-1
11	Fail	AA99071-09 05111530000545 0277 N/A P1 Day 5 URN-1
11	Fail	AA99071-09 05111530000546 0277 N/A P1 Day 6 URN-1
11	UISR/Fail	AA99071-09 05111530000457 0251 N/A P1 Day 1 URN-1
11	UISR/Fail	AA99071-09 05111530000465 0252 N/A P1 Day 2 URN-1
11	UISR/Fail	AA99071-09 05111530000534 0276 N/A P1 Day 1 URN-1
11	UISR/Fail	AA99071-09 05111530000535 0276 N/A P1 Day 2 URN-1
11	UISR/Fail	AA99071-09 05111530000538 0276 N/A P1 Day 5 URN-1
11	UISR/Fail	AA99071-09 05111530000544 0277 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
12	UISR	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
14	LSR	AA99071-09 05111530002348 0322 N/A P1 Day 2 URN-1
14	LSR	AA99071-09 05111530002349 0322 N/A P1 Day 3 URN-1
14	LSR	AA99071-09 05111530002350 0322 N/A P1 Day 4 URN-1
14	LSR	AA99071-09 05111530002351 0322 N/A P1 Day 5 URN-1
14	LSR	AA99071-09 05111530002352 0322 N/A P1 Day 6 URN-1
14	LSR	AA99071-09 05111530002363 0325 N/A P1 Day 3 URN-1
14	LSR	AA99071-09 05111530002364 0325 N/A P1 Day 4 URN-1
14	LSR	AA99071-09 05111530002365 0325 N/A P1 Day 5 URN-1
14	LSR	AA99071-09 05111530002366 0325 N/A P1 Day 6 URN-1
14	LSR	AA99071-09 05111530002374 0328 N/A P1 Day 0 URN-1
14	LSR	AA99071-09 05111530002375 0328 N/A P1 Day 1 URN-1
14	LSR	AA99071-09 05111530002376 0328 N/A P1 Day 2 URN-1
14	LSR	AA99071-09 05111530002377 0328 N/A P1 Day 3 URN-1
14	LSR	AA99071-09 05111530002378 0328 N/A P1 Day 4 URN-1
14	LSR	AA99071-09 05111530002379 0328 N/A P1 Day 5 URN-1
14	LSR	AA99071-09 05111530002380 0328 N/A P1 Day 6 URN-1
15	UISR	AA99071-09 05111530002349 0322 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000778 0067 N/A P1 Day 0 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
18	Fail	AA99071-09 05111530000779 0067 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000780 0067 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000781 0067 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000782 0067 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000783 0067 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000784 0067 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000785 0069 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000786 0069 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000787 0069 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000788 0069 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000789 0069 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000790 0069 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000791 0069 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000794 0071 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000795 0071 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000796 0071 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000797 0071 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000798 0071 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000799 0072 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000800 0072 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000801 0072 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000802 0072 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000803 0072 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000804 0072 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000805 0072 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000808 0074 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000809 0074 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000810 0074 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000811 0074 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000812 0074 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000813 0076 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000814 0076 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000815 0076 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000816 0076 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000817 0076 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000818 0076 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000819 0076 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000820 0080 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000821 0080 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000822 0080 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000823 0080 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000824 0080 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000825 0080 N/A P1 Day 5 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
18	Fail	AA99071-09 05111530000826 0080 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000828 0083 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000829 0083 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000830 0083 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000831 0083 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000832 0083 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000833 0083 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000834 0085 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000835 0085 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000836 0085 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000837 0085 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000841 0086 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000843 0086 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000844 0086 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000845 0086 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000846 0086 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000847 0086 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000848 0087 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000851 0087 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000853 0087 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000854 0087 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000855 0088 N/A P1 Day 0 URN-1
18	Fail	AA99071-09 05111530000856 0088 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000857 0088 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000858 0088 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000859 0088 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000860 0088 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000861 0088 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
19	UIISR	AA99071-09 05111530000486 0262 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530002349 0322 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000751 0042 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000752 0042 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000754 0042 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000127 0049 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000134 0052 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000135 0052 N/A P1 Day 1 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
20	Fail	AA99071-09 05111530000141 0053 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000145 0053 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000155 0060 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000175 0064 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000792 0071 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000793 0071 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000806 0074 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000827 0083 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000841 0086 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000842 0086 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000848 0087 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000849 0087 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000850 0087 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000851 0087 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000852 0087 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000869 0093 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000876 0104 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000877 0104 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000883 0105 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000884 0105 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000885 0105 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000886 0105 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000897 0107 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000898 0107 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000905 0110 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000928 0117 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000932 0118 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000934 0118 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000935 0118 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000938 0118 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000967 0127 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000974 0128 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000989 0130 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000995 0133 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000996 0133 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001002 0134 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001009 0136 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001010 0136 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001023 0139 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001024 0139 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001027 0139 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530001051 0148 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001052 0148 N/A P1 Day 1 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
20	Fail	AA99071-09 05111530001054 0148 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530001057 0148 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530001065 0150 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001093 0156 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001094 0156 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001095 0156 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530001097 0156 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530001098 0156 N/A P1 Day 5 URN-1
20	Fail	AA99071-09 05111530001099 0156 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530001108 0162 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001115 0167 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000190 0170 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000198 0177 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000246 0181 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000247 0181 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000211 0185 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000212 0185 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000218 0187 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000222 0187 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000239 0192 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000240 0192 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000261 0193 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000282 0197 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000289 0198 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000290 0198 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000291 0198 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000292 0198 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000293 0198 N/A P1 Day 5 URN-1
20	Fail	AA99071-09 05111530000294 0198 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000303 0202 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000324 0206 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000330 0210 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000345 0216 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000352 0218 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000373 0228 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000387 0230 N/A P1 Day 1 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 20 Summary of Reassay for Analytical Reasons for 2-Aminonaphthalene

Run ID	Reason	Sample Name
1	UISR	AA99071-09 05111530000735 0013 N/A P1 Day 6 URN-1
2	UCR	AA99071-09 05111530000084 0030 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000862 0090 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000863 0090 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000869 0093 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000870 0093 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000871 0093 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000876 0104 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000877 0104 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000883 0105 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000884 0105 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000885 0105 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000886 0105 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000887 0105 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000888 0105 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000889 0105 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000890 0106 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000891 0106 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000897 0107 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000898 0107 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000901 0107 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000904 0110 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000905 0110 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000906 0110 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000907 0110 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000911 0112 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000912 0112 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000913 0112 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000918 0114 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000919 0114 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000920 0114 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000923 0114 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000925 0117 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000926 0117 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000927 0117 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000928 0117 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000929 0117 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000930 0117 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000931 0117 N/A P1 Day 6 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
5	Fail	AA99071-09 05111530000932 0118 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000933 0118 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000934 0118 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000935 0118 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000936 0118 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000937 0118 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000938 0118 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000939 0121 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000940 0121 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000941 0121 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000942 0121 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000943 0121 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000944 0121 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000945 0121 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000864 0090 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000865 0090 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000866 0090 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000867 0090 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000868 0090 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000872 0093 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000873 0093 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000874 0093 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000875 0093 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000878 0104 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000879 0104 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000880 0104 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000881 0104 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000882 0104 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000892 0106 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000893 0106 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000894 0106 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000895 0106 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000896 0106 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000899 0107 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000900 0107 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000902 0107 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000903 0107 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000908 0110 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000909 0110 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000910 0110 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000914 0112 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000915 0112 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000916 0112 N/A P1 Day 5 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
5	LSR/Fail	AA99071-09 05111530000917 0112 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000921 0114 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000922 0114 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000924 0114 N/A P1 Day 6 URN-1
8	UISR	AA99071-09 05111530000257 0189 N/A P1 Day 4 URN-1
10	UISR	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
10	UISR	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
11	UISR	AA99071-09 05111530000457 0251 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000465 0252 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000534 0276 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000535 0276 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000538 0276 N/A P1 Day 5 URN-1
11	UISR	AA99071-09 05111530000544 0277 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
12	UISR	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
16	UISR	AA99071-09 05111530000912 0112 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
20	UISR/ISR	AA99071-09 05111530000352 0218 N/A P1 Day 1 URN-1
20	UISR/ISR	AA99071-09 05111530000373 0228 N/A P1 Day 1 URN-1
20	UISR/ISR	AA99071-09 05111530000387 0230 N/A P1 Day 1 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 21 Summary of Reassay for Analytical Reasons for 1-Aminonaphthalene

Run ID	Reason	Sample Name
1	Fail	AA99071-09 05111530000715 0001 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000716 0001 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000717 0001 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000718 0001 N/A P1 Day 3 URN-1
1	Fail	AA99071-09 05111530000719 0001 N/A P1 Day 4 URN-1
1	Fail	AA99071-09 05111530000720 0001 N/A P1 Day 5 URN-1
1	Fail	AA99071-09 05111530000721 0001 N/A P1 Day 6 URN-1
1	Fail	AA99071-09 05111530000722 0004 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000723 0004 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000724 0004 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000001 0008 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000002 0008 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000003 0008 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000004 0008 N/A P1 Day 3 URN-1
1	Fail	AA99071-09 05111530000008 0010 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000009 0010 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000010 0010 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000015 0011 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000016 0011 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000017 0011 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000729 0013 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000730 0013 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000731 0013 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000022 0014 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000023 0014 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000024 0014 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000029 0015 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000030 0015 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000031 0015 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000036 0016 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000037 0016 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000038 0016 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000043 0017 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000044 0017 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000050 0020 N/A P1 Day 0 URN-1
1	Fail	AA99071-09 05111530000051 0020 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000052 0020 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000053 0020 N/A P1 Day 3 URN-1
1	Fail	AA99071-09 05111530000736 0021 N/A P1 Day 0 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
1	Fail	AA99071-09 05111530000737 0021 N/A P1 Day 1 URN-1
1	Fail	AA99071-09 05111530000738 0021 N/A P1 Day 2 URN-1
1	Fail	AA99071-09 05111530000739 0021 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000725 0004 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000726 0004 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000727 0004 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000728 0004 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000005 0008 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000006 0008 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000007 0008 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000011 0010 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000012 0010 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000013 0010 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000014 0010 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000018 0011 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000019 0011 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000020 0011 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000021 0011 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000732 0013 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000733 0013 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000734 0013 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000025 0014 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000026 0014 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000027 0014 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000028 0014 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000032 0015 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000033 0015 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000034 0015 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000035 0015 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000039 0016 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000040 0016 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000041 0016 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000042 0016 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000046 0017 N/A P1 Day 3 URN-1
1	LSR/Fail	AA99071-09 05111530000047 0017 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000048 0017 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000049 0017 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000054 0020 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000055 0020 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000056 0020 N/A P1 Day 6 URN-1
1	LSR/Fail	AA99071-09 05111530000740 0021 N/A P1 Day 4 URN-1
1	LSR/Fail	AA99071-09 05111530000741 0021 N/A P1 Day 5 URN-1
1	LSR/Fail	AA99071-09 05111530000742 0021 N/A P1 Day 6 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
1	LSR/UISR/Fail	AA99071-09 05111530000735 0013 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000775 0066 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000776 0066 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000777 0066 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000788 0069 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000789 0069 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000790 0069 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000791 0069 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000796 0071 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000797 0071 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000798 0071 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000810 0074 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000811 0074 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000812 0074 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000816 0076 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000817 0076 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000818 0076 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000819 0076 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000824 0080 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000831 0083 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000832 0083 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000833 0083 N/A P1 Day 6 URN-1
4	LSR	AA99071-09 05111530000837 0085 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000846 0086 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000858 0088 N/A P1 Day 3 URN-1
4	LSR	AA99071-09 05111530000859 0088 N/A P1 Day 4 URN-1
4	LSR	AA99071-09 05111530000860 0088 N/A P1 Day 5 URN-1
4	LSR	AA99071-09 05111530000861 0088 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000862 0090 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000863 0090 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000869 0093 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000870 0093 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000871 0093 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000876 0104 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000877 0104 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000883 0105 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000884 0105 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000885 0105 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000886 0105 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000887 0105 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000888 0105 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000889 0105 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000890 0106 N/A P1 Day 0 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
5	Fail	AA99071-09 05111530000891 0106 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000897 0107 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000898 0107 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000899 0107 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000901 0107 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000904 0110 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000905 0110 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000906 0110 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000907 0110 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000911 0112 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000912 0112 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000913 0112 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000918 0114 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000919 0114 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000920 0114 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000925 0117 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000926 0117 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000927 0117 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000928 0117 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000929 0117 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000930 0117 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000931 0117 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000932 0118 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000933 0118 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000934 0118 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000935 0118 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000936 0118 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000937 0118 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000938 0118 N/A P1 Day 6 URN-1
5	Fail	AA99071-09 05111530000939 0121 N/A P1 Day 0 URN-1
5	Fail	AA99071-09 05111530000940 0121 N/A P1 Day 1 URN-1
5	Fail	AA99071-09 05111530000941 0121 N/A P1 Day 2 URN-1
5	Fail	AA99071-09 05111530000942 0121 N/A P1 Day 3 URN-1
5	Fail	AA99071-09 05111530000943 0121 N/A P1 Day 4 URN-1
5	Fail	AA99071-09 05111530000944 0121 N/A P1 Day 5 URN-1
5	Fail	AA99071-09 05111530000945 0121 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000864 0090 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000865 0090 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000866 0090 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000867 0090 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000868 0090 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000872 0093 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000873 0093 N/A P1 Day 4 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
5	LSR/Fail	AA99071-09 05111530000874 0093 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000875 0093 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000878 0104 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000879 0104 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000880 0104 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000881 0104 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000882 0104 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000892 0106 N/A P1 Day 2 URN-1
5	LSR/Fail	AA99071-09 05111530000893 0106 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000894 0106 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000895 0106 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000896 0106 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000900 0107 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000902 0107 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000903 0107 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000908 0110 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000909 0110 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000910 0110 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000914 0112 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000915 0112 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000916 0112 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000917 0112 N/A P1 Day 6 URN-1
5	LSR/Fail	AA99071-09 05111530000921 0114 N/A P1 Day 3 URN-1
5	LSR/Fail	AA99071-09 05111530000922 0114 N/A P1 Day 4 URN-1
5	LSR/Fail	AA99071-09 05111530000923 0114 N/A P1 Day 5 URN-1
5	LSR/Fail	AA99071-09 05111530000924 0114 N/A P1 Day 6 URN-1
8	UISR	AA99071-09 05111530000257 0189 N/A P1 Day 4 URN-1
10	UISR	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
10	UISR	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
11	UISR	AA99071-09 05111530000457 0251 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000465 0252 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000534 0276 N/A P1 Day 1 URN-1
11	UISR	AA99071-09 05111530000535 0276 N/A P1 Day 2 URN-1
11	UISR	AA99071-09 05111530000538 0276 N/A P1 Day 5 URN-1
11	UISR	AA99071-09 05111530000544 0277 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
12	UISR	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
12	UISR	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
12	UISR	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
14	LSR	AA99071-09 05111530002365 0325 N/A P1 Day 5 URN-1
14	LSR	AA99071-09 05111530002366 0325 N/A P1 Day 6 URN-1
15	UISR	AA99071-09 05111530000055 0020 N/A P1 Day 5 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
16	UISR	AA99071-09 05111530000912 0112 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000788 0069 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000789 0069 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000790 0069 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000791 0069 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000796 0071 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000797 0071 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000798 0071 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000810 0074 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000811 0074 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000812 0074 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000816 0076 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000817 0076 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000818 0076 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000819 0076 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000824 0080 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000831 0083 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000832 0083 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000833 0083 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000837 0085 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000846 0086 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000858 0088 N/A P1 Day 3 URN-1
18	Fail	AA99071-09 05111530000859 0088 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000860 0088 N/A P1 Day 5 URN-1
18	Fail	AA99071-09 05111530000861 0088 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000378 0228 N/A P1 Day 6 URN-1
18	Fail	AA99071-09 05111530000411 0240 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000549 0278 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000619 0292 N/A P1 Day 2 URN-1
18	Fail	AA99071-09 05111530000625 0296 N/A P1 Day 1 URN-1
18	Fail	AA99071-09 05111530000628 0296 N/A P1 Day 4 URN-1
18	Fail	AA99071-09 05111530000630 0296 N/A P1 Day 6 URN-1
19	Fail	AA99071-09 05111530000457 0251 N/A P1 Day 1 URN-1
19	Fail	AA99071-09 05111530000465 0252 N/A P1 Day 2 URN-1
19	Fail	AA99071-09 05111530000534 0276 N/A P1 Day 1 URN-1
19	Fail	AA99071-09 05111530000535 0276 N/A P1 Day 2 URN-1
19	Fail	AA99071-09 05111530000538 0276 N/A P1 Day 5 URN-1
19	Fail	AA99071-09 05111530000544 0277 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000015 0011 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000055 0020 N/A P1 Day 5 URN-1
20	Fail	AA99071-09 05111530000912 0112 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000751 0042 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000752 0042 N/A P1 Day 2 URN-1





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
20	Fail	AA99071-09 05111530000754 0042 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000127 0049 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000134 0052 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000135 0052 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000141 0053 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000145 0053 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000155 0060 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000175 0064 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000792 0071 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000793 0071 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000806 0074 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000827 0083 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000841 0086 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000842 0086 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000848 0087 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000849 0087 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000850 0087 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000851 0087 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000852 0087 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000869 0093 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000876 0104 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000877 0104 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000883 0105 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000884 0105 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000885 0105 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000886 0105 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000897 0107 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000898 0107 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000905 0110 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000928 0117 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000932 0118 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000934 0118 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000935 0118 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000938 0118 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000967 0127 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000974 0128 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000989 0130 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000995 0133 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000996 0133 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001002 0134 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001009 0136 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001010 0136 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001023 0139 N/A P1 Day 0 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Run ID	Reason	Sample Name
20	Fail	AA99071-09 05111530001024 0139 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001027 0139 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530001051 0148 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001052 0148 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001054 0148 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530001057 0148 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530001065 0150 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001093 0156 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530001094 0156 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001095 0156 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530001097 0156 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530001098 0156 N/A P1 Day 5 URN-1
20	Fail	AA99071-09 05111530001099 0156 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530001108 0162 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530001115 0167 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000190 0170 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000198 0177 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000246 0181 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000247 0181 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000211 0185 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000212 0185 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000218 0187 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000222 0187 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000239 0192 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000240 0192 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000261 0193 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000282 0197 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000289 0198 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000290 0198 N/A P1 Day 2 URN-1
20	Fail	AA99071-09 05111530000291 0198 N/A P1 Day 3 URN-1
20	Fail	AA99071-09 05111530000292 0198 N/A P1 Day 4 URN-1
20	Fail	AA99071-09 05111530000293 0198 N/A P1 Day 5 URN-1
20	Fail	AA99071-09 05111530000294 0198 N/A P1 Day 6 URN-1
20	Fail	AA99071-09 05111530000303 0202 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000324 0206 N/A P1 Day 1 URN-1
20	Fail	AA99071-09 05111530000330 0210 N/A P1 Day 0 URN-1
20	Fail	AA99071-09 05111530000345 0216 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000352 0218 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000373 0228 N/A P1 Day 1 URN-1
20	UISR/Fail	AA99071-09 05111530000387 0230 N/A P1 Day 1 URN-1



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 22 Incurred Sample Reproducibility Assessment for 4-Aminobiphenyl

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0008	1	Day 0	4-ABP	pg/mL	21.6	23.7	22.7	9.25	Pass	No	99.3
0008	1	Day 1	4-ABP	pg/mL	15.5	16.3	15.9	5.03	Pass	No	
0014	1	Day 1	4-ABP	pg/mL	24.0	20.0	22.0	18.18	Pass	No	
0015	1	Day 0	4-ABP	pg/mL	15.5	16.6	16.1	6.83	Pass	No	
0022	1	Day 0	4-ABP	pg/mL	18.5	19.0	18.8	2.66	Pass	No	
0022	1	Day 1	4-ABP	pg/mL	15.2	15.6	15.4	2.60	Pass	No	
0029	1	Day 0	4-ABP	pg/mL	9.78	9.75	9.77	0.31	Pass	No	
0031	1	Day 0	4-ABP	pg/mL	13.8	14.2	14.0	2.86	Pass	No	
0031	1	Day 1	4-ABP	pg/mL	22.4	23.1	22.8	3.07	Pass	No	
0035	1	Day 0	4-ABP	pg/mL	10.1	11.0	10.6	8.49	Pass	No	
0035	1	Day 1	4-ABP	pg/mL	10.9	11.4	11.2	4.46	Pass	No	
0035	1	Day 6	4-ABP	pg/mL	9.95	10.0	9.98	0.50	Pass	No	
0038	1	Day 0	4-ABP	pg/mL	24.4	23.8	24.1	2.49	Pass	No	
0038	1	Day 1	4-ABP	pg/mL	23.0	23.5	23.3	2.15	Pass	No	
0039	1	Day 0	4-ABP	pg/mL	12.1	13.0	12.6	7.14	Pass	No	
0013	1	Day 0	4-ABP	pg/mL	12.4	13.2	12.8	6.25	Pass	No	
0013	1	Day 1	4-ABP	pg/mL	17.8	18.6	18.2	4.40	Pass	No	
0037	1	Day 0	4-ABP	pg/mL	18.9	19.4	19.2	2.60	Pass	No	
0037	1	Day 2	4-ABP	pg/mL	10.0	10.5	10.3	4.85	Pass	No	
0037	1	Day 5	4-ABP	pg/mL	12.0	12.3	12.2	2.46	Pass	No	
0234	1	Day 1	4-ABP	pg/mL	9.93	9.70	9.82	2.34	Pass	No	
0240	1	Day 0	4-ABP	pg/mL	15.3	16.0	15.7	4.46	Pass	No	
0240	1	Day 1	4-ABP	pg/mL	13.0	14.0	13.5	7.41	Pass	No	
0241	1	Day 1	4-ABP	pg/mL	11.3	12.4	11.9	9.24	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0249	1	Day 0	4-ABP	pg/mL	28.2	29.9	29.1	5.84	Pass	No	
0249	1	Day 1	4-ABP	pg/mL	24.5	24.6	24.6	0.41	Pass	No	
0256	1	Day 0	4-ABP	pg/mL	10.3	10.8	10.6	4.72	Pass	No	
0256	1	Day 2	4-ABP	pg/mL	2.88	3.01	2.95	4.41	Pass	No	
0262	1	Day 1	4-ABP	pg/mL	7.47	7.15	7.31	4.38	Pass	No	
0262	1	Day 4	4-ABP	pg/mL	9.47	10.5	9.99	10.31	Pass	No	
0265	1	Day 1	4-ABP	pg/mL	15.9	16.5	16.2	3.70	Pass	No	
0266	1	Day 0	4-ABP	pg/mL	13.4	14.3	13.9	6.47	Pass	No	
0272	1	Day 0	4-ABP	pg/mL	21.5	21.9	21.7	1.84	Pass	No	
0273	1	Day 1	4-ABP	pg/mL	11.0	11.8	11.4	7.02	Pass	No	
0277	1	Day 1	4-ABP	pg/mL	9.32	9.52	9.42	2.12	Pass	No	
0278	1	Day 3	4-ABP	pg/mL	17.2	16.5	16.9	4.14	Pass	No	
0279	1	Day 0	4-ABP	pg/mL	22.0	22.3	22.2	1.35	Pass	No	
0281	1	Day 0	4-ABP	pg/mL	36.1	35.8	36.0	0.83	Pass	No	
0281	1	Day 1	4-ABP	pg/mL	24.3	24.1	24.2	0.83	Pass	No	
0285	1	Day 1	4-ABP	pg/mL	20.8	19.7	20.3	5.42	Pass	No	
0285	1	Day 4	4-ABP	pg/mL	19.5	18.2	18.9	6.88	Pass	No	
0285	1	Day 6	4-ABP	pg/mL	18.6	17.6	18.1	5.52	Pass	No	
0292	1	Day 1	4-ABP	pg/mL	15.8	14.8	15.3	6.54	Pass	No	
0296	1	Day 0	4-ABP	pg/mL	12.4	11.7	12.1	5.79	Pass	No	
0298	1	Day 1	4-ABP	pg/mL	14.5	14.0	14.3	3.50	Pass	No	
0298	1	Day 6	4-ABP	pg/mL	11.9	11.9	11.9	0.00	Pass	No	
0306	1	Day 1	4-ABP	pg/mL	16.6	16.5	16.6	0.60	Pass	No	
0307	1	Day 1	4-ABP	pg/mL	11.5	11.1	11.3	3.54	Pass	No	
0308	1	Day 1	4-ABP	pg/mL	15.3	15.8	15.6	3.21	Pass	No	
0315	1	Day 0	4-ABP	pg/mL	14.9	14.9	14.9	0.00	Pass	No	
0315	1	Day 1	4-ABP	pg/mL	11.9	11.6	11.8	2.54	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0318	1	Day 2	4-ABP	pg/mL	8.87	8.75	8.81	1.36	Pass	No	
0318	1	Day 6	4-ABP	pg/mL	15.1	15.5	15.3	2.61	Pass	No	
0320	1	Day 1	4-ABP	pg/mL	20.9	22.7	21.8	8.26	Pass	No	
0049	1	Day 0	4-ABP	pg/mL	12.5	13.1	12.8	4.69	Pass	No	
0052	1	Day 0	4-ABP	pg/mL	18.7	20.1	19.4	7.22	Pass	No	
0052	1	Day 1	4-ABP	pg/mL	14.4	14.4	14.4	0.00	Pass	No	
0053	1	Day 0	4-ABP	pg/mL	17.3	18.3	17.8	5.62	Pass	No	
0053	1	Day 4	4-ABP	pg/mL	13.8	14.1	14.0	2.14	Pass	No	
0060	1	Day 0	4-ABP	pg/mL	9.49	9.74	9.62	2.60	Pass	No	
0064	1	Day 6	4-ABP	pg/mL	6.88	6.98	6.93	1.44	Pass	No	
0170	1	Day 0	4-ABP	pg/mL	9.70	10.1	9.90	4.04	Pass	No	
0177	1	Day 1	4-ABP	pg/mL	17.0	18.1	17.6	6.25	Pass	No	
0185	1	Day 0	4-ABP	pg/mL	25.0	24.1	24.6	3.66	Pass	No	
0185	1	Day 1	4-ABP	pg/mL	10.7	10.6	10.7	0.93	Pass	No	
0187	1	Day 0	4-ABP	pg/mL	15.5	16.5	16.0	6.25	Pass	No	
0187	1	Day 4	4-ABP	pg/mL	25.3	27.0	26.2	6.49	Pass	No	
0192	1	Day 0	4-ABP	pg/mL	20.5	21.4	21.0	4.29	Pass	No	
0192	1	Day 1	4-ABP	pg/mL	15.3	16.2	15.8	5.70	Pass	No	
0181	1	Day 0	4-ABP	pg/mL	31.2	31.3	31.3	0.32	Pass	No	
0181	1	Day 1	4-ABP	pg/mL	20.2	20.7	20.5	2.44	Pass	No	
0193	1	Day 1	4-ABP	pg/mL	14.5	14.8	14.7	2.04	Pass	No	
0197	1	Day 1	4-ABP	pg/mL	21.2	21.6	21.4	1.87	Pass	No	
0198	1	Day 1	4-ABP	pg/mL	18.2	18.8	18.5	3.24	Pass	No	
0198	1	Day 2	4-ABP	pg/mL	10.6	10.6	10.6	0.00	Pass	No	
0198	1	Day 3	4-ABP	pg/mL	17.0	18.0	17.5	5.71	Pass	No	
0198	1	Day 4	4-ABP	pg/mL	17.7	19.0	18.4	7.07	Pass	No	
0198	1	Day 5	4-ABP	pg/mL	17.4	18.3	17.9	5.03	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0198	1	Day 6	4-ABP	pg/mL	11.5	11.6	11.6	0.86	Pass	No	
0202	1	Day 1	4-ABP	pg/mL	7.83	8.14	7.99	3.88	Pass	No	
0206	1	Day 1	4-ABP	pg/mL	13.1	13.3	13.2	1.52	Pass	No	
0210	1	Day 0	4-ABP	pg/mL	11.5	11.9	11.7	3.42	Pass	No	
0216	1	Day 1	4-ABP	pg/mL	15.2	16.3	15.8	6.96	Pass	No	
0042	1	Day 1	4-ABP	pg/mL	15.2	15.4	15.3	1.31	Pass	No	
0042	1	Day 2	4-ABP	pg/mL	11.1	11.4	11.3	2.65	Pass	No	
0042	1	Day 4	4-ABP	pg/mL	25.7	25.9	25.8	0.78	Pass	No	
0071	1	Day 0	4-ABP	pg/mL	20.6	20.4	20.5	0.98	Pass	No	
0071	1	Day 1	4-ABP	pg/mL	15.1	14.9	15.0	1.33	Pass	No	
0074	1	Day 0	4-ABP	pg/mL	15.8	16.2	16.0	2.50	Pass	No	
0083	1	Day 0	4-ABP	pg/mL	12.1	11.9	12.0	1.67	Pass	No	
0086	1	Day 0	4-ABP	pg/mL	11.7	14.2	13.0	19.23	Pass	No	
0086	1	Day 1	4-ABP	pg/mL	10.9	11.7	11.3	7.08	Pass	No	
0087	1	Day 0	4-ABP	pg/mL	19.9	19.3	19.6	3.06	Pass	No	
0087	1	Day 1	4-ABP	pg/mL	12.4	13.1	12.8	5.47	Pass	No	
0087	1	Day 2	4-ABP	pg/mL	11.6	11.5	11.6	0.86	Pass	No	
0087	1	Day 3	4-ABP	pg/mL	10.9	11.4	11.2	4.46	Pass	No	
0087	1	Day 4	4-ABP	pg/mL	10.9	11.3	11.1	3.60	Pass	No	
0093	1	Day 0	4-ABP	pg/mL	10.6	10.8	10.7	1.87	Pass	No	
0104	1	Day 0	4-ABP	pg/mL	4.07	4.26	4.17	4.56	Pass	No	
0104	1	Day 1	4-ABP	pg/mL	5.04	5.16	5.10	2.35	Pass	No	
0105	1	Day 0	4-ABP	pg/mL	12.6	12.8	12.7	1.57	Pass	No	
0105	1	Day 1	4-ABP	pg/mL	13.0	13.3	13.2	2.27	Pass	No	
0105	1	Day 2	4-ABP	pg/mL	12.4	12.5	12.5	0.80	Pass	No	
0105	1	Day 3	4-ABP	pg/mL	14.0	14.3	14.2	2.11	Pass	No	
0107	1	Day 0	4-ABP	pg/mL	14.5	15.6	15.1	7.28	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0107	1	Day 1	4-ABP	pg/mL	12.0	11.9	12.0	0.83	Pass	No	
0110	1	Day 1	4-ABP	pg/mL	8.85	11.0	9.93	21.65	Fail	No	
0117	1	Day 3	4-ABP	pg/mL	10.2	10.1	10.2	0.98	Pass	No	
0118	1	Day 0	4-ABP	pg/mL	22.2	21.8	22.0	1.82	Pass	No	
0118	1	Day 2	4-ABP	pg/mL	14.5	14.5	14.5	0.00	Pass	No	
0118	1	Day 3	4-ABP	pg/mL	17.2	17.1	17.2	0.58	Pass	No	
0118	1	Day 6	4-ABP	pg/mL	14.3	14.8	14.6	3.42	Pass	No	
0127	1	Day 0	4-ABP	pg/mL	19.0	19.1	19.1	0.52	Pass	No	
0128	1	Day 0	4-ABP	pg/mL	21.5	21.6	21.6	0.46	Pass	No	
0130	1	Day 1	4-ABP	pg/mL	9.57	10.0	9.79	4.39	Pass	No	
0133	1	Day 0	4-ABP	pg/mL	13.0	13.0	13.0	0.00	Pass	No	
0133	1	Day 1	4-ABP	pg/mL	10.1	10.6	10.4	4.81	Pass	No	
0134	1	Day 0	4-ABP	pg/mL	14.9	15.0	15.0	0.67	Pass	No	
0136	1	Day 0	4-ABP	pg/mL	23.2	23.4	23.3	0.86	Pass	No	
0136	1	Day 1	4-ABP	pg/mL	13.9	14.5	14.2	4.23	Pass	No	
0139	1	Day 0	4-ABP	pg/mL	21.2	21.2	21.2	0.00	Pass	No	
0139	1	Day 1	4-ABP	pg/mL	17.1	18.4	17.8	7.30	Pass	No	
0139	1	Day 4	4-ABP	pg/mL	20.6	19.8	20.2	3.96	Pass	No	
0148	1	Day 0	4-ABP	pg/mL	48.3	44.5	46.4	8.19	Pass	No	
0148	1	Day 1	4-ABP	pg/mL	26.8	26.1	26.5	2.64	Pass	No	
0148	1	Day 3	4-ABP	pg/mL	19.9	19.0	19.5	4.62	Pass	No	
0148	1	Day 6	4-ABP	pg/mL	15.3	14.9	15.1	2.65	Pass	No	
0150	1	Day 0	4-ABP	pg/mL	24.4	23.3	23.9	4.60	Pass	No	
0156	1	Day 0	4-ABP	pg/mL	27.0	25.8	26.4	4.55	Pass	No	
0156	1	Day 1	4-ABP	pg/mL	27.0	25.3	26.2	6.49	Pass	No	
0156	1	Day 2	4-ABP	pg/mL	24.8	22.5	23.7	9.70	Pass	No	
0156	1	Day 4	4-ABP	pg/mL	25.6	24.5	25.1	4.38	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0156	1	Day 5	4-ABP	pg/mL	31.6	30.3	31.0	4.19	Pass	No	
0156	1	Day 6	4-ABP	pg/mL	18.8	17.2	18.0	8.89	Pass	No	
0162	1	Day 1	4-ABP	pg/mL	12.8	12.0	12.4	6.45	Pass	No	
0167	1	Day 1	4-ABP	pg/mL	11.9	12.1	12.0	1.67	Pass	No	
0218	1	Day 1	4-ABP	pg/mL	10.2	10.9	10.6	6.60	Pass	No	
0228	1	Day 1	4-ABP	pg/mL	15.1	15.4	15.3	1.96	Pass	No	
0230	1	Day 1	4-ABP	pg/mL	10.2	10.7	10.5	4.76	Pass	No	





4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Table 23 Incurred Sample Reproducibility Assessment for *o*-Toluidine

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0008	1	Day 0	<i>o</i> -toluidine	pg/mL	233	241	237	3.38	Pass	No	100.0
0008	1	Day 1	<i>o</i> -toluidine	pg/mL	187	203	195	8.21	Pass	No	
0014	1	Day 1	<i>o</i> -toluidine	pg/mL	215	187	201	13.93	Pass	No	
0015	1	Day 0	<i>o</i> -toluidine	pg/mL	143	165	154	14.29	Pass	No	
0022	1	Day 0	<i>o</i> -toluidine	pg/mL	161	156	159	3.14	Pass	No	
0022	1	Day 1	<i>o</i> -toluidine	pg/mL	169	162	166	4.22	Pass	No	
0029	1	Day 0	<i>o</i> -toluidine	pg/mL	118	110	114	7.02	Pass	No	
0031	1	Day 0	<i>o</i> -toluidine	pg/mL	118	117	118	0.85	Pass	No	
0031	1	Day 1	<i>o</i> -toluidine	pg/mL	192	183	188	4.79	Pass	No	
0035	1	Day 0	<i>o</i> -toluidine	pg/mL	142	141	142	0.70	Pass	No	
0035	1	Day 1	<i>o</i> -toluidine	pg/mL	124	129	127	3.94	Pass	No	
0035	1	Day 6	<i>o</i> -toluidine	pg/mL	122	125	124	2.42	Pass	No	
0038	1	Day 0	<i>o</i> -toluidine	pg/mL	203	198	201	2.49	Pass	No	
0038	1	Day 1	<i>o</i> -toluidine	pg/mL	157	153	155	2.58	Pass	No	
0039	1	Day 0	<i>o</i> -toluidine	pg/mL	121	119	120	1.67	Pass	No	
0013	1	Day 0	<i>o</i> -toluidine	pg/mL	117	135	126	14.29	Pass	No	
0013	1	Day 1	<i>o</i> -toluidine	pg/mL	155	174	165	11.52	Pass	No	
0037	1	Day 0	<i>o</i> -toluidine	pg/mL	124	121	123	2.44	Pass	No	
0037	1	Day 2	<i>o</i> -toluidine	pg/mL	121	129	125	6.40	Pass	No	
0037	1	Day 5	<i>o</i> -toluidine	pg/mL	125	122	124	2.42	Pass	No	
0234	1	Day 1	<i>o</i> -toluidine	pg/mL	114	115	115	0.87	Pass	No	
0240	1	Day 0	<i>o</i> -toluidine	pg/mL	130	123	127	5.51	Pass	No	
0240	1	Day 1	<i>o</i> -toluidine	pg/mL	140	138	139	1.44	Pass	No	
0241	1	Day 1	<i>o</i> -toluidine	pg/mL	133	132	133	0.75	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0249	1	Day 0	o-toluidine	pg/mL	238	238	238	0 00	Pass	No	
0249	1	Day 1	o-toluidine	pg/mL	236	228	232	3 45	Pass	No	
0256	1	Day 0	o-toluidine	pg/mL	137	157	147	13 61	Pass	No	
0256	1	Day 2	o-toluidine	pg/mL	155	174	165	11 52	Pass	No	
0262	1	Day 1	o-toluidine	pg/mL	111	113	112	1 79	Pass	No	
0262	1	Day 4	o-toluidine	pg/mL	113	128	121	12 40	Pass	No	
0265	1	Day 1	o-toluidine	pg/mL	121	131	126	7 94	Pass	No	
0266	1	Day 0	o-toluidine	pg/mL	116	132	124	12 90	Pass	No	
0272	1	Day 0	o-toluidine	pg/mL	184	191	188	3 72	Pass	No	
0273	1	Day 1	o-toluidine	pg/mL	111	124	118	11 02	Pass	No	
0277	1	Day 1	o-toluidine	pg/mL	119	132	126	10 32	Pass	No	
0278	1	Day 3	o-toluidine	pg/mL	133	137	135	2 96	Pass	No	
0279	1	Day 0	o-toluidine	pg/mL	157	163	160	3 75	Pass	No	
0281	1	Day 0	o-toluidine	pg/mL	186	198	192	6 25	Pass	No	
0281	1	Day 1	o-toluidine	pg/mL	183	194	189	5 82	Pass	No	
0285	1	Day 1	o-toluidine	pg/mL	154	168	161	8 70	Pass	No	
0285	1	Day 4	o-toluidine	pg/mL	145	154	150	6 00	Pass	No	
0285	1	Day 6	o-toluidine	pg/mL	144	156	150	8 00	Pass	No	
0292	1	Day 1	o-toluidine	pg/mL	114	115	115	0 87	Pass	No	
0296	1	Day 0	o-toluidine	pg/mL	109	114	112	4 46	Pass	No	
0298	1	Day 1	o-toluidine	pg/mL	143	149	146	4 11	Pass	No	
0298	1	Day 6	o-toluidine	pg/mL	117	124	121	5 79	Pass	No	
0306	1	Day 1	o-toluidine	pg/mL	145	147	146	1 37	Pass	No	
0307	1	Day 1	o-toluidine	pg/mL	116	130	123	11 38	Pass	No	
0308	1	Day 1	o-toluidine	pg/mL	139	150	145	7 59	Pass	No	
0315	1	Day 0	o-toluidine	pg/mL	133	141	137	5 84	Pass	No	
0315	1	Day 1	o-toluidine	pg/mL	137	148	143	7 69	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0318	1	Day 2	o-toluidine	pg/mL	112	117	115	4.35	Pass	No	
0318	1	Day 6	o-toluidine	pg/mL	164	169	167	2.99	Pass	No	
0320	1	Day 1	o-toluidine	pg/mL	168	178	173	5.78	Pass	No	
0049	1	Day 0	o-toluidine	pg/mL	106	104	105	1.90	Pass	No	
0052	1	Day 0	o-toluidine	pg/mL	142	151	147	6.12	Pass	No	
0052	1	Day 1	o-toluidine	pg/mL	163	160	162	1.85	Pass	No	
0053	1	Day 0	o-toluidine	pg/mL	112	115	114	2.63	Pass	No	
0053	1	Day 4	o-toluidine	pg/mL	102	109	106	6.60	Pass	No	
0060	1	Day 0	o-toluidine	pg/mL	103	106	105	2.86	Pass	No	
0064	1	Day 6	o-toluidine	pg/mL	105	108	107	2.80	Pass	No	
0170	1	Day 0	o-toluidine	pg/mL	102	101	102	0.98	Pass	No	
0177	1	Day 1	o-toluidine	pg/mL	161	162	162	0.62	Pass	No	
0185	1	Day 0	o-toluidine	pg/mL	176	178	177	1.13	Pass	No	
0185	1	Day 1	o-toluidine	pg/mL	100	108	104	7.69	Pass	No	
0187	1	Day 0	o-toluidine	pg/mL	148	146	147	1.36	Pass	No	
0187	1	Day 4	o-toluidine	pg/mL	141	156	149	10.07	Pass	No	
0192	1	Day 0	o-toluidine	pg/mL	275	316	296	13.85	Pass	No	
0192	1	Day 1	o-toluidine	pg/mL	206	209	208	1.44	Pass	No	
0181	1	Day 0	o-toluidine	pg/mL	225	211	218	6.42	Pass	No	
0181	1	Day 1	o-toluidine	pg/mL	195	212	204	8.33	Pass	No	
0193	1	Day 1	o-toluidine	pg/mL	143	143	143	0.00	Pass	No	
0197	1	Day 1	o-toluidine	pg/mL	192	198	195	3.08	Pass	No	
0198	1	Day 1	o-toluidine	pg/mL	181	193	187	6.42	Pass	No	
0198	1	Day 2	o-toluidine	pg/mL	120	127	124	5.65	Pass	No	
0198	1	Day 3	o-toluidine	pg/mL	152	162	157	6.37	Pass	No	
0198	1	Day 4	o-toluidine	pg/mL	161	166	164	3.05	Pass	No	
0198	1	Day 5	o-toluidine	pg/mL	158	166	162	4.94	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0198	1	Day 6	o-toluidine	pg/mL	124	128	126	3.17	Pass	No	
0202	1	Day 1	o-toluidine	pg/mL	102	108	105	5.71	Pass	No	
0206	1	Day 1	o-toluidine	pg/mL	114	118	116	3.45	Pass	No	
0210	1	Day 0	o-toluidine	pg/mL	100	101	101	0.99	Pass	No	
0216	1	Day 1	o-toluidine	pg/mL	117	125	121	6.61	Pass	No	
0218	1	Day 1	o-toluidine	pg/mL	165	173	169	4.73	Pass	No	
0228	1	Day 1	o-toluidine	pg/mL	155	150	153	3.27	Pass	No	
0230	1	Day 1	o-toluidine	pg/mL	124	131	128	5.47	Pass	No	
0042	1	Day 1	o-toluidine	pg/mL	143	137	140	4.29	Pass	No	
0042	1	Day 2	o-toluidine	pg/mL	123	121	122	1.64	Pass	No	
0042	1	Day 4	o-toluidine	pg/mL	204	203	204	0.49	Pass	No	
0071	1	Day 0	o-toluidine	pg/mL	127	132	130	3.85	Pass	No	
0071	1	Day 1	o-toluidine	pg/mL	105	107	106	1.89	Pass	No	
0074	1	Day 0	o-toluidine	pg/mL	152	163	158	6.96	Pass	No	
0083	1	Day 0	o-toluidine	pg/mL	125	129	127	3.15	Pass	No	
0086	1	Day 0	o-toluidine	pg/mL	113	122	118	7.63	Pass	No	
0086	1	Day 1	o-toluidine	pg/mL	106	112	109	5.50	Pass	No	
0087	1	Day 0	o-toluidine	pg/mL	111	116	114	4.39	Pass	No	
0087	1	Day 1	o-toluidine	pg/mL	104	118	111	12.61	Pass	No	
0087	1	Day 2	o-toluidine	pg/mL	110	123	117	11.11	Pass	No	
0087	1	Day 3	o-toluidine	pg/mL	102	106	104	3.85	Pass	No	
0087	1	Day 4	o-toluidine	pg/mL	110	126	118	13.56	Pass	No	
0093	1	Day 0	o-toluidine	pg/mL	95	90.6	92.8	4.74	Pass	No	
0104	1	Day 0	o-toluidine	pg/mL	230	236	233	2.58	Pass	No	
0104	1	Day 1	o-toluidine	pg/mL	117	121	119	3.36	Pass	No	
0105	1	Day 0	o-toluidine	pg/mL	104	110	107	5.61	Pass	No	
0105	1	Day 1	o-toluidine	pg/mL	126	129	128	2.34	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0105	1	Day 2	o-toluidine	pg/mL	164	163	164	0.61	Pass	No	
0105	1	Day 3	o-toluidine	pg/mL	122	125	124	2.42	Pass	No	
0107	1	Day 0	o-toluidine	pg/mL	221	231	226	4.42	Pass	No	
0107	1	Day 1	o-toluidine	pg/mL	96.9	107	102	9.90	Pass	No	
0110	1	Day 1	o-toluidine	pg/mL	136	137	137	0.73	Pass	No	
0117	1	Day 3	o-toluidine	pg/mL	111	121	116	8.62	Pass	No	
0118	1	Day 0	o-toluidine	pg/mL	124	137	131	9.92	Pass	No	
0118	1	Day 2	o-toluidine	pg/mL	154	166	160	7.50	Pass	No	
0118	1	Day 3	o-toluidine	pg/mL	121	130	126	7.14	Pass	No	
0118	1	Day 6	o-toluidine	pg/mL	130	141	136	8.09	Pass	No	
0127	1	Day 0	o-toluidine	pg/mL	198	194	196	2.04	Pass	No	
0128	1	Day 0	o-toluidine	pg/mL	190	194	192	2.08	Pass	No	
0130	1	Day 1	o-toluidine	pg/mL	111	118	115	6.09	Pass	No	
0133	1	Day 0	o-toluidine	pg/mL	123	120	122	2.46	Pass	No	
0133	1	Day 1	o-toluidine	pg/mL	114	113	114	0.88	Pass	No	
0134	1	Day 0	o-toluidine	pg/mL	138	144	141	4.26	Pass	No	
0136	1	Day 0	o-toluidine	pg/mL	166	172	169	3.55	Pass	No	
0136	1	Day 1	o-toluidine	pg/mL	144	152	148	5.41	Pass	No	
0139	1	Day 0	o-toluidine	pg/mL	117	127	122	8.20	Pass	No	
0139	1	Day 1	o-toluidine	pg/mL	112	130	121	14.88	Pass	No	
0139	1	Day 4	o-toluidine	pg/mL	114	112	113	1.77	Pass	No	
0148	1	Day 0	o-toluidine	pg/mL	257	268	263	4.18	Pass	No	
0148	1	Day 1	o-toluidine	pg/mL	221	228	225	3.11	Pass	No	
0148	1	Day 3	o-toluidine	pg/mL	139	142	141	2.13	Pass	No	
0148	1	Day 6	o-toluidine	pg/mL	140	137	139	2.16	Pass	No	
0150	1	Day 0	o-toluidine	pg/mL	153	177	165	14.55	Pass	No	
0156	1	Day 0	o-toluidine	pg/mL	145	154	150	6.00	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0156	1	Day 1	o-toluidine	pg/mL	171	184	178	7.30	Pass	No	
0156	1	Day 2	o-toluidine	pg/mL	169	179	174	5.75	Pass	No	
0156	1	Day 4	o-toluidine	pg/mL	168	181	175	7.43	Pass	No	
0156	1	Day 5	o-toluidine	pg/mL	189	192	191	1.57	Pass	No	
0156	1	Day 6	o-toluidine	pg/mL	131	130	131	0.76	Pass	No	
0162	1	Day 1	o-toluidine	pg/mL	103	112	108	8.33	Pass	No	
0167	1	Day 1	o-toluidine	pg/mL	132	129	131	2.29	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Table 24 Incurred Sample Reproducibility Assessment for 2-Aminonaphthalene

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0008	1	Day 0	2AM	pg/mL	32.0	33.9	33.0	5.76	Pass	No	100.0
0008	1	Day 1	2AM	pg/mL	31.7	34.3	33.0	7.88	Pass	No	
0014	1	Day 1	2AM	pg/mL	34.6	30.6	32.6	12.27	Pass	No	
0015	1	Day 0	2AM	pg/mL	31.1	33.4	32.3	7.12	Pass	No	
0022	1	Day 0	2AM	pg/mL	23.9	25.3	24.6	5.69	Pass	No	
0022	1	Day 1	2AM	pg/mL	27.9	28.7	28.3	2.83	Pass	No	
0029	1	Day 0	2AM	pg/mL	18.9	19.9	19.4	5.15	Pass	No	
0031	1	Day 0	2AM	pg/mL	20.6	22.0	21.3	6.57	Pass	No	
0031	1	Day 1	2AM	pg/mL	34.7	35.3	35.0	1.71	Pass	No	
0035	1	Day 0	2AM	pg/mL	18.5	20.6	19.6	10.71	Pass	No	
0035	1	Day 1	2AM	pg/mL	21.4	22.1	21.8	3.21	Pass	No	
0035	1	Day 6	2AM	pg/mL	20.6	21.7	21.2	5.19	Pass	No	
0038	1	Day 0	2AM	pg/mL	35.9	38.0	37.0	5.68	Pass	No	
0038	1	Day 1	2AM	pg/mL	30.0	31.2	30.6	3.92	Pass	No	
0039	1	Day 0	2AM	pg/mL	14.0	14.8	14.4	5.56	Pass	No	
0013	1	Day 0	2AM	pg/mL	16.3	18.0	17.2	9.88	Pass	No	
0013	1	Day 1	2AM	pg/mL	31.6	34.3	33.0	8.18	Pass	No	
0037	1	Day 0	2AM	pg/mL	23.7	24.4	24.1	2.90	Pass	No	
0037	1	Day 2	2AM	pg/mL	21.5	22.8	22.2	5.86	Pass	No	
0037	1	Day 5	2AM	pg/mL	22.5	23.4	23.0	3.91	Pass	No	
0234	1	Day 1	2AM	pg/mL	18.3	17.7	18.0	3.33	Pass	No	
0240	1	Day 0	2AM	pg/mL	21.6	21.1	21.4	2.34	Pass	No	
0240	1	Day 1	2AM	pg/mL	25.5	25.2	25.4	1.18	Pass	No	
0241	1	Day 1	2AM	pg/mL	23.5	23.8	23.7	1.27	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0249	1	Day 0	2AM	pg/mL	42.5	44.9	43.7	5.49	Pass	No	
0249	1	Day 1	2AM	pg/mL	44.2	44.3	44.3	0.23	Pass	No	
0256	1	Day 0	2AM	pg/mL	19.1	17.2	18.2	10.44	Pass	No	
0256	1	Day 2	2AM	pg/mL	4.04	3.87	3.96	4.29	Pass	No	
0262	1	Day 1	2AM	pg/mL	19.5	18.1	18.8	7.45	Pass	No	
0262	1	Day 4	2AM	pg/mL	21.4	20.6	21.0	3.81	Pass	No	
0265	1	Day 1	2AM	pg/mL	28.3	26.4	27.4	6.93	Pass	No	
0266	1	Day 0	2AM	pg/mL	22.1	20.3	21.2	8.49	Pass	No	
0272	1	Day 0	2AM	pg/mL	31.0	29.1	30.1	6.31	Pass	No	
0273	1	Day 1	2AM	pg/mL	20.9	20.5	20.7	1.93	Pass	No	
0277	1	Day 1	2AM	pg/mL	19.4	18.5	19.0	4.74	Pass	No	
0278	1	Day 3	2AM	pg/mL	27.2	26.6	26.9	2.23	Pass	No	
0279	1	Day 0	2AM	pg/mL	27.9	29.1	28.5	4.21	Pass	No	
0281	1	Day 0	2AM	pg/mL	38.6	38.7	38.7	0.26	Pass	No	
0281	1	Day 1	2AM	pg/mL	38.5	39.0	38.8	1.29	Pass	No	
0285	1	Day 1	2AM	pg/mL	34.1	34.2	34.2	0.29	Pass	No	
0285	1	Day 4	2AM	pg/mL	29.3	28.9	29.1	1.37	Pass	No	
0285	1	Day 6	2AM	pg/mL	31.5	31.0	31.3	1.60	Pass	No	
0292	1	Day 1	2AM	pg/mL	20.4	19.7	20.1	3.48	Pass	No	
0296	1	Day 0	2AM	pg/mL	21.3	21.1	21.2	0.94	Pass	No	
0298	1	Day 1	2AM	pg/mL	30.7	31.7	31.2	3.21	Pass	No	
0298	1	Day 6	2AM	pg/mL	25.7	25.5	25.6	0.78	Pass	No	
0306	1	Day 1	2AM	pg/mL	28.8	29.2	29.0	1.38	Pass	No	
0307	1	Day 1	2AM	pg/mL	21.5	22.1	21.8	2.75	Pass	No	
0308	1	Day 1	2AM	pg/mL	29.8	31.3	30.6	4.90	Pass	No	
0315	1	Day 0	2AM	pg/mL	19.3	18.9	19.1	2.09	Pass	No	
0315	1	Day 1	2AM	pg/mL	21.9	21.7	21.8	0.92	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0318	1	Day 2	2AM	pg/mL	22.6	22.5	22.6	0.44	Pass	No	
0318	1	Day 6	2AM	pg/mL	30.8	29.0	29.9	6.02	Pass	No	
0320	1	Day 1	2AM	pg/mL	37.3	37.6	37.5	0.80	Pass	No	
0049	1	Day 0	2AM	pg/mL	15.3	14.3	14.8	6.76	Pass	No	
0052	1	Day 0	2AM	pg/mL	21.1	20.4	20.8	3.37	Pass	No	
0052	1	Day 1	2AM	pg/mL	23.7	21.9	22.8	7.89	Pass	No	
0053	1	Day 0	2AM	pg/mL	23.1	22.3	22.7	3.52	Pass	No	
0053	1	Day 4	2AM	pg/mL	20.9	19.4	20.2	7.43	Pass	No	
0060	1	Day 0	2AM	pg/mL	14.4	14.1	14.3	2.10	Pass	No	
0064	1	Day 6	2AM	pg/mL	15.0	14.4	14.7	4.08	Pass	No	
0170	1	Day 0	2AM	pg/mL	13.7	12.3	13.0	10.77	Pass	No	
0177	1	Day 1	2AM	pg/mL	31.2	29.8	30.5	4.59	Pass	No	
0185	1	Day 0	2AM	pg/mL	33.5	31.4	32.5	6.46	Pass	No	
0185	1	Day 1	2AM	pg/mL	18.9	17.5	18.2	7.69	Pass	No	
0187	1	Day 0	2AM	pg/mL	20.8	19.8	20.3	4.93	Pass	No	
0187	1	Day 4	2AM	pg/mL	31.6	31.1	31.4	1.59	Pass	No	
0192	1	Day 0	2AM	pg/mL	32.2	30.9	31.6	4.11	Pass	No	
0192	1	Day 1	2AM	pg/mL	33.3	31.7	32.5	4.92	Pass	No	
0181	1	Day 0	2AM	pg/mL	53.1	49.3	51.2	7.42	Pass	No	
0181	1	Day 1	2AM	pg/mL	47.2	45.0	46.1	4.77	Pass	No	
0193	1	Day 1	2AM	pg/mL	30.0	26.5	28.3	12.37	Pass	No	
0197	1	Day 1	2AM	pg/mL	41.9	39.3	40.6	6.40	Pass	No	
0198	1	Day 1	2AM	pg/mL	42.1	38.3	40.2	9.45	Pass	No	
0198	1	Day 2	2AM	pg/mL	27.6	25.3	26.5	8.68	Pass	No	
0198	1	Day 3	2AM	pg/mL	38.4	36.6	37.5	4.80	Pass	No	
0198	1	Day 4	2AM	pg/mL	36.0	34.6	35.3	3.97	Pass	No	
0198	1	Day 5	2AM	pg/mL	38.7	35.0	36.9	10.03	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0198	1	Day 6	2AM	pg/mL	29.8	27.1	28.5	9.47	Pass	No	
0202	1	Day 1	2AM	pg/mL	20.1	18.0	19.1	10.99	Pass	No	
0206	1	Day 1	2AM	pg/mL	25.7	24.0	24.9	6.83	Pass	No	
0210	1	Day 0	2AM	pg/mL	16.8	15.0	15.9	11.32	Pass	No	
0216	1	Day 1	2AM	pg/mL	26.4	25.2	25.8	4.65	Pass	No	
0042	1	Day 1	2AM	pg/mL	26.4	24.5	25.5	7.45	Pass	No	
0042	1	Day 2	2AM	pg/mL	21.6	19.9	20.8	8.17	Pass	No	
0042	1	Day 4	2AM	pg/mL	40.1	36.9	38.5	8.31	Pass	No	
0071	1	Day 0	2AM	pg/mL	23.8	23.1	23.5	2.98	Pass	No	
0071	1	Day 1	2AM	pg/mL	22.3	20.8	21.6	6.94	Pass	No	
0074	1	Day 0	2AM	pg/mL	25.6	25.2	25.4	1.57	Pass	No	
0083	1	Day 0	2AM	pg/mL	21.3	19.8	20.6	7.28	Pass	No	
0086	1	Day 0	2AM	pg/mL	23.1	23.8	23.5	2.98	Pass	No	
0086	1	Day 1	2AM	pg/mL	25.6	24.9	25.3	2.77	Pass	No	
0087	1	Day 0	2AM	pg/mL	22.6	20.6	21.6	9.26	Pass	No	
0087	1	Day 1	2AM	pg/mL	20.6	20.4	20.5	0.98	Pass	No	
0087	1	Day 2	2AM	pg/mL	21.6	20.3	21.0	6.19	Pass	No	
0087	1	Day 3	2AM	pg/mL	18.3	18.4	18.4	0.54	Pass	No	
0087	1	Day 4	2AM	pg/mL	19.9	17.7	18.8	11.70	Pass	No	
0093	1	Day 0	2AM	pg/mL	19.0	18.4	18.7	3.21	Pass	No	
0104	1	Day 0	2AM	pg/mL	7.46	6.74	7.10	10.14	Pass	No	
0104	1	Day 1	2AM	pg/mL	9.62	9.01	9.32	6.55	Pass	No	
0105	1	Day 0	2AM	pg/mL	20.3	18.5	19.4	9.28	Pass	No	
0105	1	Day 1	2AM	pg/mL	21.7	20.5	21.1	5.69	Pass	No	
0105	1	Day 2	2AM	pg/mL	32.6	31.9	32.3	2.17	Pass	No	
0105	1	Day 3	2AM	pg/mL	25.5	23.9	24.7	6.48	Pass	No	
0107	1	Day 0	2AM	pg/mL	22.4	21.0	21.7	6.45	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0107	1	Day 1	2AM	pg/mL	17.1	15.8	16.5	7.88	Pass	No	
0110	1	Day 1	2AM	pg/mL	25.1	23.9	24.5	4.90	Pass	No	
0117	1	Day 3	2AM	pg/mL	21.4	19.4	20.4	9.80	Pass	No	
0118	1	Day 0	2AM	pg/mL	25.1	23.7	24.4	5.74	Pass	No	
0118	1	Day 2	2AM	pg/mL	31.2	28.6	29.9	8.70	Pass	No	
0118	1	Day 3	2AM	pg/mL	25.0	23.3	24.2	7.02	Pass	No	
0118	1	Day 6	2AM	pg/mL	25.9	23.7	24.8	8.87	Pass	No	
0127	1	Day 0	2AM	pg/mL	35.9	33.1	34.5	8.12	Pass	No	
0128	1	Day 0	2AM	pg/mL	26.5	25.0	25.8	5.81	Pass	No	
0130	1	Day 1	2AM	pg/mL	21.8	21.2	21.5	2.79	Pass	No	
0133	1	Day 0	2AM	pg/mL	18.0	18.8	18.4	4.35	Pass	No	
0133	1	Day 1	2AM	pg/mL	22.8	22.2	22.5	2.67	Pass	No	
0134	1	Day 0	2AM	pg/mL	20.9	19.1	20.0	9.00	Pass	No	
0136	1	Day 0	2AM	pg/mL	38.5	37.0	37.8	3.97	Pass	No	
0136	1	Day 1	2AM	pg/mL	29.7	29.6	29.7	0.34	Pass	No	
0139	1	Day 0	2AM	pg/mL	23.8	23.1	23.5	2.98	Pass	No	
0139	1	Day 1	2AM	pg/mL	27.2	26.9	27.1	1.11	Pass	No	
0139	1	Day 4	2AM	pg/mL	24.0	23.4	23.7	2.53	Pass	No	
0148	1	Day 0	2AM	pg/mL	52.7	49.9	51.3	5.46	Pass	No	
0148	1	Day 1	2AM	pg/mL	46.0	42.8	44.4	7.21	Pass	No	
0148	1	Day 3	2AM	pg/mL	28.8	27.0	27.9	6.45	Pass	No	
0148	1	Day 6	2AM	pg/mL	27.2	26.2	26.7	3.75	Pass	No	
0150	1	Day 0	2AM	pg/mL	29.1	27.0	28.1	7.47	Pass	No	
0156	1	Day 0	2AM	pg/mL	33.5	31.6	32.6	5.83	Pass	No	
0156	1	Day 1	2AM	pg/mL	42.0	40.7	41.4	3.14	Pass	No	
0156	1	Day 2	2AM	pg/mL	39.9	37.4	38.7	6.46	Pass	No	
0156	1	Day 4	2AM	pg/mL	37.6	36.4	37.0	3.24	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0156	1	Day 5	2AM	pg/mL	42.7	39.5	41.1	7.79	Pass	No	
0156	1	Day 6	2AM	pg/mL	30.7	28.9	29.8	6.04	Pass	No	
0162	1	Day 1	2AM	pg/mL	20.5	20.1	20.3	1.97	Pass	No	
0167	1	Day 1	2AM	pg/mL	22.4	20.8	21.6	7.41	Pass	No	
0218	1	Day 1	2AM	pg/mL	21.9	22.5	22.2	2.70	Pass	No	
0228	1	Day 1	2AM	pg/mL	30.3	31.3	30.8	3.25	Pass	No	
0230	1	Day 1	2AM	pg/mL	17.9	19.2	18.6	6.99	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Table 25 Incurred Sample Reproducibility Assessment for 1-Aminonaphthalene

Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0022	1	Day 0	1AM	pg/mL	78.3	74.0	76.2	5.64	Pass	No	100.0
0022	1	Day 1	1AM	pg/mL	84.6	81.4	83.0	3.86	Pass	No	
0029	1	Day 0	1AM	pg/mL	62.5	58.8	60.7	6.10	Pass	No	
0031	1	Day 0	1AM	pg/mL	78.0	76.2	77.1	2.33	Pass	No	
0031	1	Day 1	1AM	pg/mL	120	112	116	6.90	Pass	No	
0035	1	Day 0	1AM	pg/mL	81.8	78.4	80.1	4.24	Pass	No	
0035	1	Day 1	1AM	pg/mL	71.6	68.6	70.1	4.28	Pass	No	
0035	1	Day 6	1AM	pg/mL	74.7	72.2	73.5	3.40	Pass	No	
0038	1	Day 0	1AM	pg/mL	123	118	121	4.13	Pass	No	
0038	1	Day 1	1AM	pg/mL	90.7	84.8	87.8	6.72	Pass	No	
0039	1	Day 0	1AM	pg/mL	44.1	44.5	44.3	0.90	Pass	No	
0037	1	Day 0	1AM	pg/mL	79.7	75.9	77.8	4.88	Pass	No	
0037	1	Day 2	1AM	pg/mL	66.8	63.4	65.1	5.22	Pass	No	
0037	1	Day 5	1AM	pg/mL	67.6	64.9	66.3	4.07	Pass	No	
0234	1	Day 1	1AM	pg/mL	57.4	56.4	56.9	1.76	Pass	No	
0240	1	Day 0	1AM	pg/mL	85.4	83.5	84.5	2.25	Pass	No	
0240	1	Day 1	1AM	pg/mL	87.9	87.1	87.5	0.91	Pass	No	
0241	1	Day 1	1AM	pg/mL	69.2	69.4	69.3	0.29	Pass	No	
0249	1	Day 0	1AM	pg/mL	157	154	156	1.92	Pass	No	
0249	1	Day 1	1AM	pg/mL	145	139	142	4.23	Pass	No	
0256	1	Day 0	1AM	pg/mL	90.6	83.6	87.1	8.04	Pass	No	
0256	1	Day 2	1AM	pg/mL	10.7	10.1	10.4	5.77	Pass	No	
0262	1	Day 1	1AM	pg/mL	56.1	50.5	53.3	10.51	Pass	No	
0262	1	Day 4	1AM	pg/mL	61.2	58.0	59.6	5.37	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0265	1	Day 1	1AM	pg/mL	78.1	73.0	75.6	6.75	Pass	No	
0266	1	Day 0	1AM	pg/mL	100	92.4	96.2	7.90	Pass	No	
0272	1	Day 0	1AM	pg/mL	100	92.2	96.1	8.12	Pass	No	
0273	1	Day 1	1AM	pg/mL	66.6	63.8	65.2	4.29	Pass	No	
0277	1	Day 1	1AM	pg/mL	57.9	54.1	56.0	6.79	Pass	No	
0278	1	Day 3	1AM	pg/mL	81.2	76.9	79.1	5.44	Pass	No	
0279	1	Day 0	1AM	pg/mL	97.2	94.6	95.9	2.71	Pass	No	
0281	1	Day 0	1AM	pg/mL	136	130	133	4.51	Pass	No	
0281	1	Day 1	1AM	pg/mL	112	109	111	2.70	Pass	No	
0285	1	Day 1	1AM	pg/mL	91.5	89.8	90.7	1.87	Pass	No	
0285	1	Day 4	1AM	pg/mL	82.3	80.9	81.6	1.72	Pass	No	
0285	1	Day 6	1AM	pg/mL	96.7	93.3	95.0	3.58	Pass	No	
0292	1	Day 1	1AM	pg/mL	66.2	63.3	64.8	4.48	Pass	No	
0296	1	Day 0	1AM	pg/mL	90.1	87.6	88.9	2.81	Pass	No	
0298	1	Day 1	1AM	pg/mL	86.6	85.7	86.2	1.04	Pass	No	
0298	1	Day 6	1AM	pg/mL	80.7	81.4	81.1	0.86	Pass	No	
0306	1	Day 1	1AM	pg/mL	87.3	85.7	86.5	1.85	Pass	No	
0307	1	Day 1	1AM	pg/mL	71.2	71.2	71.2	0.00	Pass	No	
0308	1	Day 1	1AM	pg/mL	89.1	91.5	90.3	2.66	Pass	No	
0315	1	Day 0	1AM	pg/mL	53.9	52.9	53.4	1.87	Pass	No	
0315	1	Day 1	1AM	pg/mL	60.5	60.9	60.7	0.66	Pass	No	
0318	1	Day 2	1AM	pg/mL	71.1	72.4	71.8	1.81	Pass	No	
0318	1	Day 6	1AM	pg/mL	114	112	113	1.77	Pass	No	
0320	1	Day 1	1AM	pg/mL	87.6	89.2	88.4	1.81	Pass	No	
0049	1	Day 0	1AM	pg/mL	57.5	55.0	56.3	4.44	Pass	No	
0052	1	Day 0	1AM	pg/mL	71.0	71.2	71.1	0.28	Pass	No	
0052	1	Day 1	1AM	pg/mL	76.3	76.3	76.3	0.00	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0053	1	Day 0	1AM	pg/mL	76.2	73.3	74.8	3.88	Pass	No	
0053	1	Day 4	1AM	pg/mL	63.1	61.8	62.5	2.08	Pass	No	
0060	1	Day 0	1AM	pg/mL	52.1	51.5	51.8	1.16	Pass	No	
0064	1	Day 6	1AM	pg/mL	41.5	40.6	41.1	2.19	Pass	No	
0170	1	Day 0	1AM	pg/mL	47.0	48.0	47.5	2.11	Pass	No	
0177	1	Day 1	1AM	pg/mL	82.1	81.1	81.6	1.23	Pass	No	
0185	1	Day 0	1AM	pg/mL	98.6	93.2	95.9	5.63	Pass	No	
0185	1	Day 1	1AM	pg/mL	50.6	51.6	51.1	1.96	Pass	No	
0187	1	Day 0	1AM	pg/mL	82.9	82.8	82.9	0.12	Pass	No	
0187	1	Day 4	1AM	pg/mL	98.1	99.3	98.7	1.22	Pass	No	
0192	1	Day 0	1AM	pg/mL	111	117	114	5.26	Pass	No	
0192	1	Day 1	1AM	pg/mL	99.5	100	99.8	0.50	Pass	No	
0181	1	Day 0	1AM	pg/mL	144	143	144	0.69	Pass	No	
0181	1	Day 1	1AM	pg/mL	125	136	131	8.40	Pass	No	
0193	1	Day 1	1AM	pg/mL	79.7	78.0	78.9	2.15	Pass	No	
0197	1	Day 1	1AM	pg/mL	123	120	122	2.46	Pass	No	
0198	1	Day 1	1AM	pg/mL	115	112	114	2.63	Pass	No	
0198	1	Day 2	1AM	pg/mL	79.4	81.2	80.3	2.24	Pass	No	
0198	1	Day 3	1AM	pg/mL	111	112	112	0.89	Pass	No	
0198	1	Day 4	1AM	pg/mL	120	116	118	3.39	Pass	No	
0198	1	Day 5	1AM	pg/mL	109	105	107	3.74	Pass	No	
0198	1	Day 6	1AM	pg/mL	89.5	86.3	87.9	3.64	Pass	No	
0202	1	Day 1	1AM	pg/mL	53.3	51.9	52.6	2.66	Pass	No	
0206	1	Day 1	1AM	pg/mL	77.4	77.2	77.3	0.26	Pass	No	
0210	1	Day 0	1AM	pg/mL	59.1	62.7	60.9	5.91	Pass	No	
0216	1	Day 1	1AM	pg/mL	62.8	61.8	62.3	1.61	Pass	No	
0218	1	Day 1	1AM	pg/mL	80.0	82.7	81.4	3.32	Pass	No	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0228	1	Day 1	1AM	pg/mL	88.7	93.2	91.0	4.95	Pass	No	
0230	1	Day 1	1AM	pg/mL	59.4	64.3	61.9	7.92	Pass	No	
0042	1	Day 1	1AM	pg/mL	80.7	81.5	81.1	0.99	Pass	No	
0042	1	Day 2	1AM	pg/mL	69.1	70.4	69.8	1.86	Pass	No	
0042	1	Day 4	1AM	pg/mL	113	112	113	0.88	Pass	No	
0071	1	Day 0	1AM	pg/mL	87.0	87.8	87.4	0.92	Pass	No	
0071	1	Day 1	1AM	pg/mL	69.1	66.8	68.0	3.38	Pass	No	
0074	1	Day 0	1AM	pg/mL	68.2	70.2	69.2	2.89	Pass	No	
0083	1	Day 0	1AM	pg/mL	76.2	76.8	76.5	0.78	Pass	No	
0086	1	Day 0	1AM	pg/mL	74.3	83.0	78.7	11.05	Pass	No	
0086	1	Day 1	1AM	pg/mL	63.5	62.5	63.0	1.59	Pass	No	
0087	1	Day 0	1AM	pg/mL	66.9	69.8	68.4	4.24	Pass	No	
0087	1	Day 1	1AM	pg/mL	61.2	64.7	63.0	5.56	Pass	No	
0087	1	Day 2	1AM	pg/mL	65.3	67.7	66.5	3.61	Pass	No	
0087	1	Day 3	1AM	pg/mL	57.7	60.5	59.1	4.74	Pass	No	
0087	1	Day 4	1AM	pg/mL	58.2	60.8	59.5	4.37	Pass	No	
0093	1	Day 0	1AM	pg/mL	48.0	44.8	46.4	6.90	Pass	No	
0104	1	Day 0	1AM	pg/mL	25.3	26.6	26.0	5.00	Pass	No	
0104	1	Day 1	1AM	pg/mL	31.1	32.9	32.0	5.62	Pass	No	
0105	1	Day 0	1AM	pg/mL	65.9	69.8	67.9	5.74	Pass	No	
0105	1	Day 1	1AM	pg/mL	71.0	77.3	74.2	8.49	Pass	No	
0105	1	Day 2	1AM	pg/mL	98.3	104	101	5.64	Pass	No	
0105	1	Day 3	1AM	pg/mL	82.2	88.1	85.2	6.92	Pass	No	
0107	1	Day 0	1AM	pg/mL	81.3	86.5	83.9	6.20	Pass	No	
0107	1	Day 1	1AM	pg/mL	62.5	71.1	66.8	12.87	Pass	No	
0110	1	Day 1	1AM	pg/mL	81.7	81.2	81.5	0.61	Pass	No	
0117	1	Day 3	1AM	pg/mL	61.8	66.6	64.2	7.48	Pass	No	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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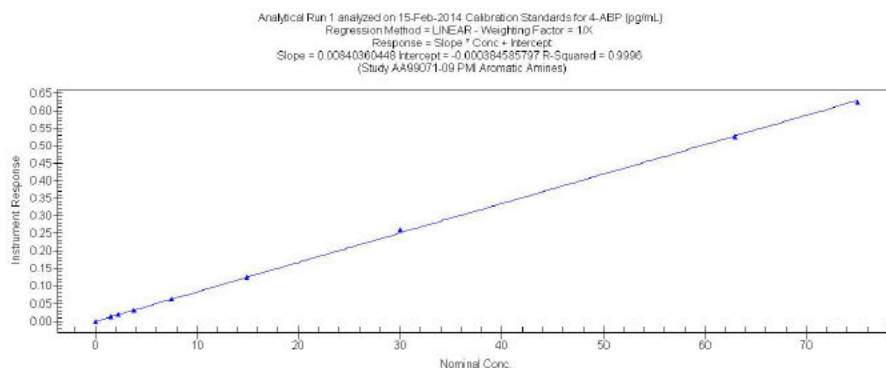
Subject	Period	Time Point	Analyte	Units	Original Value	Reassay Value	Mean Value	% Difference	Reproducible?	Event?	% of Passing ISR Samples
0118	1	Day 0	1AM	pg/mL	76.6	85.3	81.0	10.74	Pass	No	
0118	1	Day 2	1AM	pg/mL	90.9	98.3	94.6	7.82	Pass	No	
0118	1	Day 3	1AM	pg/mL	79.2	80.9	80.1	2.12	Pass	No	
0118	1	Day 6	1AM	pg/mL	89.4	94.8	92.1	5.86	Pass	No	
0127	1	Day 0	1AM	pg/mL	112	108	110	3.64	Pass	No	
0128	1	Day 0	1AM	pg/mL	89.6	89.9	89.8	0.33	Pass	No	
0130	1	Day 1	1AM	pg/mL	64.1	64.5	64.3	0.62	Pass	No	
0133	1	Day 0	1AM	pg/mL	52.6	53.9	53.3	2.44	Pass	No	
0133	1	Day 1	1AM	pg/mL	67.1	69.1	68.1	2.94	Pass	No	
0134	1	Day 0	1AM	pg/mL	55.3	55.3	55.3	0.00	Pass	No	
0136	1	Day 0	1AM	pg/mL	103	107	105	3.81	Pass	No	
0136	1	Day 1	1AM	pg/mL	69.3	70.6	70.0	1.86	Pass	No	
0139	1	Day 0	1AM	pg/mL	63.0	65.4	64.2	3.74	Pass	No	
0139	1	Day 1	1AM	pg/mL	67.6	72.6	70.1	7.13	Pass	No	
0139	1	Day 4	1AM	pg/mL	69.5	68.6	69.1	1.30	Pass	No	
0148	1	Day 0	1AM	pg/mL	188	193	191	2.62	Pass	No	
0148	1	Day 1	1AM	pg/mL	129	131	130	1.54	Pass	No	
0148	1	Day 3	1AM	pg/mL	89.7	93.6	91.7	4.25	Pass	No	
0148	1	Day 6	1AM	pg/mL	93.2	88.1	90.7	5.62	Pass	No	
0150	1	Day 0	1AM	pg/mL	95.3	99.8	97.6	4.61	Pass	No	
0156	1	Day 0	1AM	pg/mL	102	103	103	0.97	Pass	No	
0156	1	Day 1	1AM	pg/mL	118	122	120	3.33	Pass	No	
0156	1	Day 2	1AM	pg/mL	115	120	118	4.24	Pass	No	
0156	1	Day 4	1AM	pg/mL	115	112	114	2.63	Pass	No	
0156	1	Day 5	1AM	pg/mL	112	109	111	2.70	Pass	No	
0156	1	Day 6	1AM	pg/mL	92.6	85.7	89.2	7.74	Pass	No	
0162	1	Day 1	1AM	pg/mL	62.5	62.4	62.5	0.16	Pass	No	
0167	1	Day 1	1AM	pg/mL	66.9	66.9	66.9	0.00	Pass	No	



4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## FIGURES

Figure 1 Calibration Curve for 4-Aminobiphenyl in Control Matrix, Watson Run ID 1<sup>1</sup>

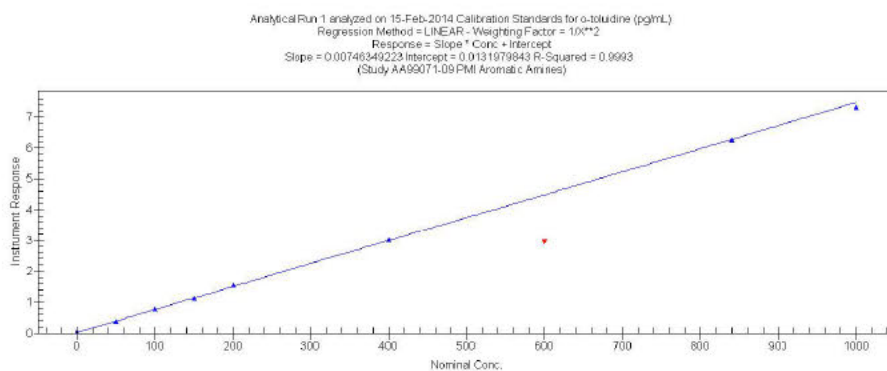


<sup>1</sup> Note: Though included on the figure above, the Standard 0 (blank sample extracted with internal standard) was not used as a standard to calculate the calibration curve parameters.



4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Figure 2 Calibration Curve for *o*-Toluidine in Control Matrix, Watson Run ID 1<sup>2</sup>

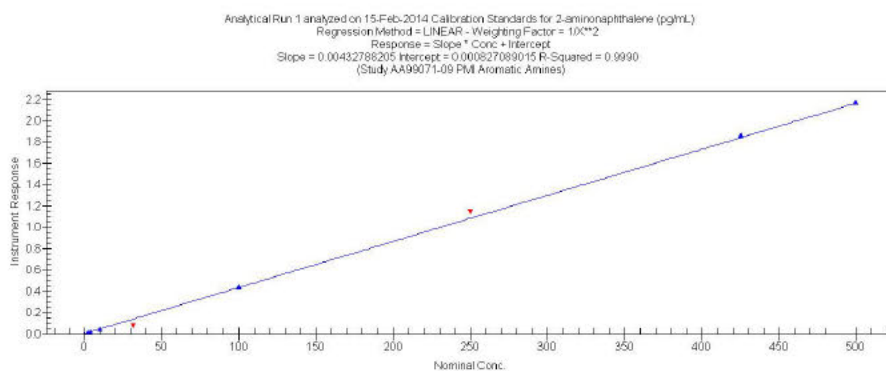


<sup>2</sup> Note: Though included on the figure above, the Standard 0 (blank sample extracted with internal standard) was not used as a standard to calculate the calibration curve parameters.



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Figure 3 Calibration Curve for 2-Aminonaphthalene in Control Matrix, Watson Run ID 1<sup>3</sup>



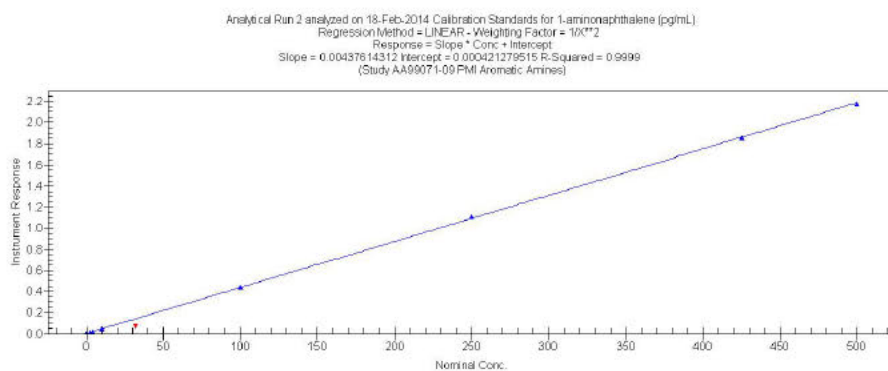
<sup>3</sup> Note: Though included on the figure above, the Standard 0 (blank sample extracted with internal standard) was not used as a standard to calculate the calibration curve parameters.





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Figure 4 Calibration Curve for 1-Aminonaphthalene in Control Matrix, Watson Run ID 2<sup>4</sup>



<sup>4</sup> Note: Though included on the figure above, the Standard 0 (blank sample extracted with internal standard) was not used as a standard to calculate the calibration curve parameters.



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## ATTACHMENTS

### Attachment 1 General List of Abbreviations used at Celerion

Abbreviations are used in this document as applicable.

Abbreviation	Description
°C	Degree Celsius (centigrade)
µg	Microgram
AAR	Above the acceptable range
AB	Applied Biosystems
API	Atmospheric pressure ionization
ASCII	American standard code for information interchange
BAM	Bioanalytical method
BLK	Blank
BLQ	Below limit of quantification
CC	Conventional Cigarette
CDER	Center for Drug Evaluation and Research
CFR	Code of Federal Regulations
CRO	Contract research organisation
CV	Coefficient of variation
Da	Dalton
DCU	Diluted concentration unreliable
DFNR	Dilution factor not reliable
DQC	Dilution quality control sample
ELISA	Enzyme-linked immunosorbent assay
EDTA	Ethylenediaminetetraacetic acid
EQB	Exceeding quadratic bounds
EXT	Extraction
fg	Femtogram
g	Gram
GLP	Good laboratory practices
h	Hour
HDPE	High density polyethylene
HPLC	High performance liquid chromatography



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Abbreviation	Description
HSR	High standard removed
ID	Identifier
INC	Incongruous
INS	Instrumentation
IS	Internal standard
ISA	Insufficient volume for full analysis
ISP	Incomplete sample processing
ISR	Incurred sample reproducibility
ISV	Insufficient volume
IVR	Insufficient volume to reassay
L	Litre, liter
LLOQ	Lower limit of quantitation
LNK	Celerion, Lincoln site
M	Molar
mg	Milligram
mL	Millilitre, milliliter
mol	Mole
MS	Mass spectrometry
MW	Molecular weight
n	Number of data points
N/AP	Not applicable
N/AV	Not available
NFV	Not full volume
ng	Nanogram
No	Number
NU	Not used
OECD	Organization for Economic Cooperation and Development
PD	Period
pg	Picogram
QC	Quality control
QCs	Quality control samples
R E	Relative error
REF	Reference



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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Abbreviation	Description
RI	Reinjection
RIA	Rarioimmunoassay
RT	Room temperature
RR	Reanalysis
RVL	Remaining volume low
S A	Smoking Abstinence
S D	Standard deviation
SOP	Standard operating procedure
SPE	Solid-phase extraction
SST	System suitability test
STD	Standard
Sub	Subject
SVD	Sample volume depleted
TBD	To be determined
Temp	Temperature
THS	Tobacco Heating System
UCR	Unacceptable chromatography
UISR	Unacceptable internal standard response
ULOQ	Upper limit of quantitation
U S FDA	United States Food and Drug Administration
USP	US pharmacopeia
$\bar{x}$	Mean





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

#### Attachment 2 Temperature Definitions at Celerion

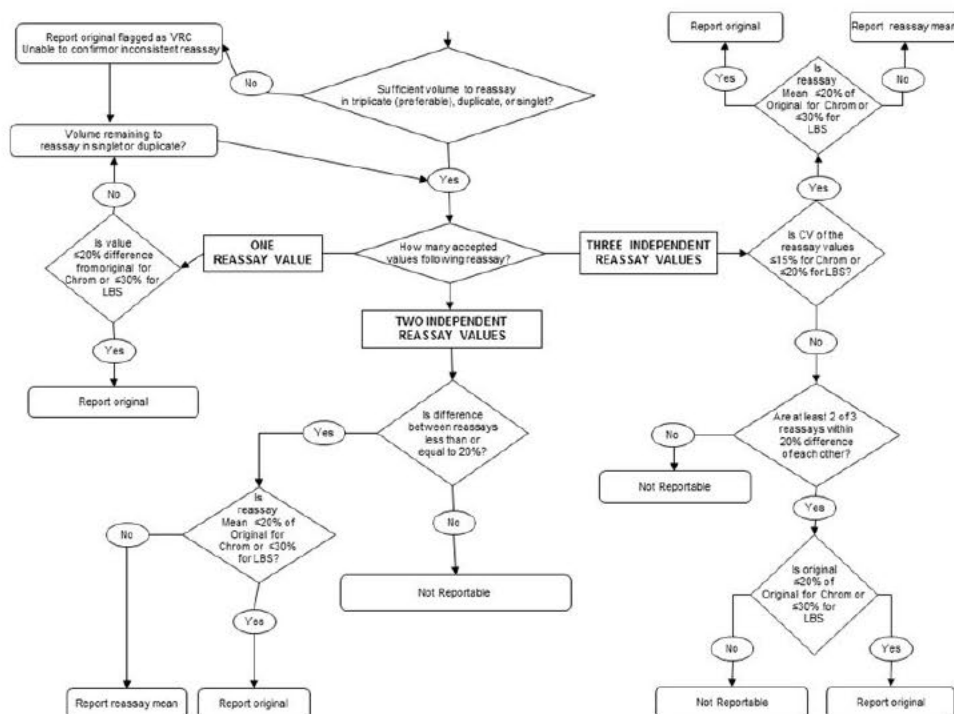
Values for temperatures are nominal temperatures representing the following temperature ranges:

Nominal temperature	Temperature Range
-80 C	-65 C to -90 C
-20 C	-10 C to -30 C
5 C	2 C to 8 C
Room temperature	15 C to 25 C
24 C	22 C to 26 C



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

### Attachment 3 Procedure for VRC and SSR Reassays and Reporting of Reassay Results



To compare reassays:

$$\frac{|\text{Re assay Value 1} - \text{Re assay Value 2}|}{\text{Mean of Re assay Value 1 and 2}} * 100\%$$

To compare to original:

$$\frac{|\text{Mean of Re assays} - \text{Original Value}|}{\text{Original Value}} * 100\%$$

An LC-MS/MS value as outlined in the decision tree is obtained from a single determination

If BLQ is obtained for a value, the nominal concentration of the LLOQ is used when comparing reassays in this decision tree.



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

#### Attachment 4 General List of Calculation Formulae

**Mean:** 
$$x_{\text{Mean}} = \frac{1}{n} \sum_{i=1}^n x_i$$

**Standard Deviation (SD):** 
$$SD = \sqrt{\frac{1}{n-1} \sum_{i=1}^n (x_i - x_{\text{Mean}})^2}$$

**Precision (RSD, CV):** 
$$CV \% = \left( \frac{SD}{x_{\text{Mean}}} \right) * 100$$

**Accuracy (% Theoretical):** 
$$\text{Accuracy \%} = \left( \frac{x}{x_{\text{Nominal}}} \right) * 100$$

$$\text{Accuracy of Mean \%} = \left( \frac{x_{\text{Mean}}}{x_{\text{Nominal}}} \right) * 100$$

**Inaccuracy (% Bias, % RE):** 
$$\text{Bias \%} = \left( \frac{(x - x_{\text{Nominal}})}{x_{\text{Nominal}}} \right) * 100$$

$$\text{Bias of Mean \%} = \left( \frac{(x_{\text{Mean}} - x_{\text{Nominal}})}{x_{\text{Nominal}}} \right) * 100$$

**x** = value (e.g. analyte concentration, OD value, cpm value, peak signal)

**n** = number of values

$$\text{Potency} = \frac{100 - \left( \frac{\% \text{ Salts Determined by Assay} + \% \text{ Water Content} + \% \text{ Residual Solvent} + \% \text{ Other Impurity}}{100} \right)}{100} * \frac{\% \text{ Chromatographic Purity}}{100} * \frac{\% \text{ Chiral Purity}}{100} * \frac{\% \text{ Isotopic Purity}}{100} * \frac{\% \text{ Other Purity}}{100} * \frac{\text{MW Free Base}}{\text{MW Salt}}$$

$$\% \text{ Difference} = \left[ \frac{\left| \frac{(\text{Re assay} - \text{Original})}{2} \right|}{\left( \frac{(\text{Re assay} + \text{Original})}{2} \right)} \right] * 100$$



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

#### Attachment 5 Reassay Descriptions

Analytical Reason (Code)	Description
Above the Accepted Range (AAR)	Identifies a study sample whose calculated concentration is greater than the upper limit of quantitation (ULOQ). This study sample will be diluted before being reassayed.
Diluted Concentration Unreliable (DCU)	Identifies a study sample that has been diluted and determined to have a concentration below LLOQ (BLQ, below limit of quantification) before correction for the final dilution factor.
Dilution Factor Not Reliable (DFNR)	Identifies a study sample that has been diluted, and determined to have a measurable concentration, however >50% of the dilution QC samples (having the same dilution factor) did not meet their acceptance criteria.  Identifies a dilution QC sample that does not fulfil the acceptance criterion and is excluded from the DQC statistics.
Highest / Lowest Standard Removed (HSR / LSR)	If the working range of the method is truncated as a result of  - the ULOQ calibration standard being rejected or unavailable (e.g. incomplete sample processing or incomplete instrument analysis, unacceptable chromatography), all study samples with concentrations greater than the highest acceptable standard are identified as 'highest standard removed' (HSR).  - the calibration standard at the LLOQ being rejected or unavailable (e.g. incomplete sample processing or incomplete instrument analysis, unacceptable chromatography), all study samples with concentrations below the lowest acceptable standard are identified as 'lowest standard removed' (LSR).
Incomplete Sample Processing (ISP)	Identifies a study sample, calibration standard, or QC sample for which data could not be obtained due to processing problems that occurred during the extraction or assay documented by the analyst prior to instrumental analysis.
Insufficient Volume for Reassay (IVR)	Identified a study sample that has insufficient sample volume for reanalysis (including all received splits)
Incomplete Instrument Analysis (IIA)	Identifies a study sample, calibration standard, or QC sample for which data could not be obtained due to processing problems that occurred during HPLC injection or instrumental analysis and were documented by the analyst.
Unacceptable Chromatography (UCR)	Identifies a study sample, calibration standard, or QC sample judged to demonstrate unacceptable chromatography according to the applicable Celerion procedures (e.g. split peak, poor peak symmetry, unseparated interference).





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Attachment 6 Certificates of Analysis



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Page 320 - Confidential

4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409





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Page 335 - Confidential

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Celerion Study A09071409



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Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Internal Standard Recertification Form		celerion	
Celerion - F03.01.052-01LNK Internal Standard Recertification Form (Version 03)			
*Internal Standard Recertification Form ID:		AS/005950- IS Recertification /I4 - 000694	
*Analytical Reference Standard Name:		Toluidine-o (13C8) Hydrochloride	
*Celerion Correction Factor:		0.7400	
*Lobnotes ID:		AS/005950-	
*Internal Standard Primary Stock Reference:		13C8-o-Toluidine 388.500 µg/mL Stock/IS/Z237540-01/13 - 000967	
*Date Prepared:		23 Feb 2013	
*Internal Standard Test Solution ID:		13C-4AB/OTOZAM/1AM/15.0/10.0/1 0.0/10.0 ng/mL Substock WIS/I4 - 000427 13C-4AB/OTOZAM/1AM	
Test Solution Concentration (if not included in asset ID above):		NAP	
*Validation Study Number:		Z237540-01	
*Batch ID:		181	
*Recertification Requested and Batch Prepared By:		CELERION\mcalahj01 (30 Jan 2014 10:57:05)	
*Peak Areas of Analyte in ISTD Test Solution:		*Peak Areas of ISTD in ISTD Test Solution:	
5889.179		221914.083	
4926.023		252432.411	
4903.504		243137.440	
4632.315		279313.048	
5105.229		257501.792	
5736.802		245128.765	
*Mean Peak Area of Analyte in ISTD Test Solution:		*Mean Peak Area of ISTD in ISTD Test Solution:	
5179.175		249834.823	
*Percent Analyte in ISTD Test Solution:		2.1	
*Data File Name:		Z237540-01-4AB-2-AM-1AM-OTO-181-V01.rdb	
*Date of Analysis:		26 Jan 2014	
*Updated Internal Standard Expiration Date:		23 Feb 2015	
*Expiration Date Assigned and Data Compiled By:		CELERION\mcalahj01 (30 Jan 2014 11:02:55)	
*Manual Peak Area Entries Verified By:		CELERION\mcalahj01 (30 Jan 2014 15:46:05)	
30 Jan 2014 10:02 (UTC-6) (CELERION\mcalahj01): used samples labeled STSSS WIS Test A for recertification			
Add Comment			
*Internal Standard Recertification Approved By:		CELERION\mcalahj01 (30 Jan 2014 15:46:14)	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Internal Standard Recertification Form		celerion	
Celerion - FB3.01.952.01LNK Internal Standard Recertification Form (Version 03)			
*Internal Standard Recertification Form ID:		AS/005961- IS Recertification /14 - 000697	
*Analytical Reference Standard Name:		2-Naphthylamine-13C4HCl	
*Celerion Correction Factor:		0.8018	
*Labnotes ID:		AS/005961-	
*Internal Standard Primary Stock Reference:		13C4-2-Naphthylamine 384.100 ug/mL Stock/IS/ZZ37540-01/13 - 001015	
*Date Prepared:		27 Feb 2013	
*Internal Standard Test Solution ID:		13C-4AB/OTO/2AM/1AM 15.0/10.0/10.0 ng/mL Substock WIS/14 - 000427 13C-4AB/OTO/2AM/1AM	
Test Solution Concentration (if not included in asset ID above):		N/A	
*Validation Study Number:		ZZ37540-01	
*Batch ID:		181	
*Recertification Requested and Batch Prepared By:		CELERION/calchj01 (30 Jan 2014 11:54:08)	
*Peak Areas of Analyte in ISTD Test Solution:		*Peak Areas of ISTD in ISTD Test Solution:	
0.000		594648.633	
0.000		569659.101	
0.000		604230.910	
0.000		623406.191	
0.000		588216.477	
0.000		598869.033	
*Mean Peak Area of Analyte in ISTD Test Solution:		*Mean Peak Area of ISTD in ISTD Test Solution:	
0.000		596505.058	
*Percent Analyte in ISTD Test Solution:		0.0	
*Data File Name:		ZZ37540-01-4AB-2-AM-1AM-OTO-181-V01	
*Date of Analysis:		26 Jan 2014	
*Updated Internal Standard Expiration Date:		27 Feb 2015	
*Expiration Date Assigned and Data Compiled By:		CELERION/calchj01 (30 Jan 2014 11:55:56)	
*Manual Peak Area Entries Verified By:		CELERION/nachre01 (30 Jan 2014 15:48:24)	
30 Jan 2014 10:56 (UTC-6) (CELERION/calchj01): used samples labeled STSS WIS Test A for test data			
Batch assayed by EB14			
Add Comment			
*Internal Standard Recertification Approved By:		CELERION/nachre01 (30 Jan 2014 15:48:30)	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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Celerion Study AA99071-09

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4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409



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4-Aminobiphenyl, *o*-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study A09071409



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

Internal Standard Recertification Form		celerion	
Celerion - F03.01.052-01LNK Internal Standard Recertification Form (Version 03)			
*Internal Standard Recertification Form ID:		AS/006018- IS Recertification /14 - 000695	
*Analytical Reference Standard Name:		1-Naphthylamine-13C10 Hydrochloride	
*Celerion Correction Factor:		0.7730	*Labnotes ID: AS/006018-
*Internal Standard Primary Stock Reference:		13C10-1-Naphthylamine 432.800 µg/mL Stock/IS/Z237540-01/13 - 001011	*Date Prepared: 27 Feb 2013
*Internal Standard Test Solution ID:		13C-4AB/OTO/2AM/1AM 15.0/10.0/10.0 ng/mL Substock WIS/14 - 000427 13C-4AB/OTO/2AM/1AM	
Test Solution Concentration (if not included in asset ID above): N/A			
*Validation Study Number:	Z237540-01	*Batch ID:	181
*Recertification Requested and Batch Prepared By: CELERION\calahj01 (30 Jan 2014 11:09:23)			
*Peak Areas of Analyte in ISTD Test Solution:		*Peak Areas of ISTD in ISTD Test Solution:	
	0.000		468616.355
	0.000		452628.644
	0.000		506426.901
	0.000		468892.216
	0.000		430127.676
	0.000		470325.984
*Mean Peak Area of Analyte in ISTD Test Solution:	0.000	*Mean Peak Area of ISTD in ISTD Test Solution:	470003.326
*Percent Analyte in ISTD Test Solution:	0.0	*Data File Name:	Z237540-01-4AB-2-AM-1AM-OTO-181-V01.rdb
*Updated Internal Standard Expiration Date:	27 Feb 2015	*Date of Analysis:	26 Jan 2014
*Expiration Date Assigned and Data Compiled By: CELERION\calahj01 (30 Jan 2014 11:11:18)			
*Manual Peak Area Entries Verified By: CELERION\marchie01 (30 Jan 2014 15:47:00)			
30 Jan 2014 10:12 (UTC-6) (CELERION\calahj01): used samples called STSSS WIS Test A for recertification data.			
Batch assayed by EB14			
<input type="button" value="Add Comment"/>			
*Internal Standard Recertification Approved By: CELERION\marchie01 (30 Jan 2014 15:47:06)			





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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#### Attachment 7 Bioanalytical Method Summary



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09



## BIOANALYTICAL METHOD SUMMARY (BMS)

Doc No: FOR\_QM000496 – CR204A2

Version N°: 2.0

Page 1 of 2

<b>Biomarker:</b> 4-Aminobiphenyl		<b>Matrix:</b> Urine	
<b>MVR/SOP no. &amp; date:</b> ZZ37540-01 / 06-Nov-2014		<b>CRO/Laboratory:</b> Celerion-Lincoln	
<b>LLOQ:</b> 1.50 pg/mL		<b>ULOQ:</b> 75.0 pg/mL	
<b>Validation</b>	<input checked="" type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Cross Comments (required for Partial/Cross):		
<b>Assay:</b>	<input checked="" type="checkbox"/> Chromatographic <input type="checkbox"/> Ligand binding <input type="checkbox"/> Enzymatic <input type="checkbox"/> Other describe: <input type="checkbox"/> LC/MS <input checked="" type="checkbox"/> LC/MS/MS <input type="checkbox"/> GC/MS <input type="checkbox"/> GC/MS/MS <input type="checkbox"/> ELISA		
<b>Equipment and short description of extraction and analysis:</b> An aliquot of human urine containing the analyte and internal standard was extracted using a liquid-liquid extraction procedure. The extracted samples were analyzed by an HPLC equipped with an AB SCIEX API 4000™ triple quadrupole mass spectrometer using an ESI source. Positive ions were monitored in the multiple reaction monitoring (MRM) mode. Quantitation was determined using a weighted linear regression analysis (1/concentration for 4-aminobiphenyl and 1/concentration <sup>2</sup> for o-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene) of peak area ratios of the analyte and internal standard.			
<b>Selectivity/Sensitivity/Matrix effect:</b>		No significant matrix effect was observed in any of the 6 human urine lots that were fortified with 4-aminobiphenyl near the concentration of the LLOQ (1.50 pg/mL), in any of the 6 human urine lots that were fortified with 4-aminobiphenyl near the concentration of the low-medium QC (3.75 pg/mL), or in any of the 6 human urine lots that were fortified with 4-aminobiphenyl near the concentration of the high QC (30.0 pg/mL) samples	
<b>Accuracy:</b>		Intra-batch: -11.3 to 11.3% R.E. Inter-batch: -2.7 to 0.3% R.E.	
<b>Precision:</b>		Intra-batch: 0.8 to 20.4% C.V. Inter-batch: 2.4 to 11.5% C.V.	
<b>Recovery:</b>		From Non-Smoker Urine: 84% at 37.5 pg/mL 82% at 375 pg/mL  From Smoker Urine: 87% at 37.5 pg/mL 92% at 375 pg/mL	
<b>Freeze and thaw stability:</b>		6 freeze (-20°C)-thaw (ambient temperature) cycles in brown polypropylene tubes under UV-shielded light	
<b>Short-term temperature stability:</b>		Short-Term Stability: 24 hours in brown polypropylene tubes at ambient temperature under UV-shielded light  Cumulative Short-Term Stability: 54 hours in brown polypropylene tubes at ambient temperature under UV-shielded light (total of all thaw cycles)	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09



## BIOANALYTICAL METHOD SUMMARY (BMS)

Doc No: FOR\_QM000496 -- CR204A2

Version N°: 2.0

Page 2 of 2

Long-term stability:	185 days in brown polypropylene tubes at -20°C	
Stock solution stability:	141 days at approximately 400 µg/mL in methanol in a polypropylene container at -20°C	
Post-preparative stability:	337 hours in a polypropylene 96 well plate at 5°C	
Stability of Analyte During Sample Collection and Handling:	<p>Up to 60 minutes in non-smoker human urine in white and brown lidded high-density polyethylene containers at ambient temperature under UV-shielded light</p> <p>Up to 24 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C in a refrigerator</p> <p>Up to 96 hours in smoker and non-smoker human urine in high density polyethylene containers at 5°C under UV-shielded light, up to 48 hours in smoker and non-smoker human urine in high density polyethylene containers at 20°C under UV-shielded light</p>	
Accreditation/ GLP compliance/ QA statements:	GLP Compliance as Assay Validation conforms to Celerion Standard Operating Procedures which were written in compliance with FDA: Guidance to Industry "Bioanalytical Method Validation"	
BMS completed by:		
Name:	Date:	Signature:
Erica Nach.	06-Nov 2014	Erica J Nach.



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09



PMI RESEARCH &amp; DEVELOPMENT

## BIOANALYTICAL METHOD SUMMARY (BMS)

Doc No: FOR\_QM000496 – CR204A2

Version N°: 2.0

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<b>Biomarker:</b> o-Toluidine		<b>Matrix:</b> Urine	
<b>MVR/SOP no. &amp; date:</b> ZZ37540-01 / 06-Nov-2014		<b>CRO/Laboratory:</b> Celerion-Lincoln	
<b>LLOQ:</b> 50.0 pg/mL		<b>ULOQ:</b> 1000 pg/mL	
<b>Validation</b>	<input checked="" type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Cross <b>Comments (required for Partial/Cross):</b>		
<b>Assay:</b>	<input checked="" type="checkbox"/> Chromatographic <input type="checkbox"/> Ligand binding <input type="checkbox"/> Enzymatic <input type="checkbox"/> Other describe: <input type="checkbox"/> LC/MS <input checked="" type="checkbox"/> LC/MS/MS <input type="checkbox"/> GC/MS <input type="checkbox"/> GC/MS/MS <input type="checkbox"/> ELISA		
<b>Equipment and short description of extraction and analysis:</b> An aliquot of human urine containing the analyte and internal standard was extracted using a liquid-liquid extraction procedure. The extracted samples were analyzed by an HPLC equipped with an AB SCIEX API 4000™ triple quadrupole mass spectrometer using an ESI source. Positive ions were monitored in the multiple reaction monitoring (MRM) mode. Quantitation was determined using a weighted linear regression analysis (1/concentration for 4-aminobiphenyl and 1/concentration <sup>2</sup> for o-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene) of peak area ratios of the analyte and internal standard.			
<b>Selectivity/Sensitivity/Matrix effect:</b>		No significant matrix effect was observed in any of the 6 human urine lots that were fortified with o-toluidine near the concentration of the LLOQ (50.0 pg/mL), in any of the 6 human urine lots that were fortified with o-toluidine near the concentration of the low-medium QC (150 pg/mL), or in 5 of the 6 human urine lots that were fortified with o-toluidine near the concentration of the high QC (600 pg/mL) samples	
<b>Accuracy:</b>		Intra-batch: -9.1 to 18.2% R.E. Inter-batch: -4.6 to 1.8% R.E.	
<b>Precision:</b>		Intra-batch: 2.1 to 28.7% C.V. Inter-batch: 3.7 to 13.4% C.V.	
<b>Recovery:</b>		From Non-Smoker Urine: 80% at 25.0 pg/mL 80% at 250 pg/mL  From Smoker Urine: 76% at 25.0 pg/mL 89% at 250 pg/mL	
<b>Freeze and thaw stability:</b>		6 freeze (-20°C)-thaw (ambient temperature) cycles in brown polypropylene tubes under UV-shielded light	
<b>Short-term temperature stability:</b>		Short-Term Stability: 24 hours in brown polypropylene tubes at ambient temperature under UV-shielded light  Cumulative Short-Term Stability: 54 hours in brown polypropylene tubes at ambient temperature under UV-shielded light (total of all thaw cycles)	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## BIOANALYTICAL METHOD SUMMARY (BMS)

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Version N°: 2.0

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<b>Long-term stability:</b>	187 days in brown polypropylene tubes at -20°C
<b>Stock solution stability:</b>	129 days at approximately 400 µg/mL in methanol in a polypropylene container at -20°C
<b>Post-preparative stability:</b>	337 hours in a polypropylene 96 well plate at 5°C
<b>Stability of Analyte During Sample Collection and Handling:</b>	<p>Up to 60 minutes in non-smoker human urine in white and brown lidded high-density polyethylene containers at ambient temperature under UV-shielded light</p> <p>Up to 24 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C in a refrigerator</p> <p>Up to 96 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C under UV-shielded light, up to 48 hours in smoker and non-smoker human urine in high-density polyethylene containers at 20°C under UV-shielded light, and up to 48 hours in smoker and non-smoker human urine in high-density polyethylene containers at 40°C under UV-shielded light</p>
<b>Accreditation/ GLP compliance/ QA statements:</b>	GLP Compliance as Assay Validation conforms to Celerion Standard Operating Procedures which were written in compliance with FDA: Guidance to Industry "Bioanalytical Method Validation"
<b>BMS completed by:</b>	
<b>Name:</b>	<b>Date:</b>
Erica Nach.	06 Nov-2014
<b>Signature:</b>	





4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## BIOANALYTICAL METHOD SUMMARY (BMS)

Doc No: FORL\_QM000498 – CR204A2

Version N°: 2.0

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<b>Biomarker: 2-Aminonaphthalene</b>		<b>Matrix: Urine</b>	
<b>MVR/SOP no. &amp; date: ZZ37540-01 / 06-Nov-2014</b>		<b>CRO/Laboratory: Celerion-Lincoln</b>	
<b>LLOQ: 2.50 pg/mL</b>		<b>ULOQ: 500 pg/mL</b>	
<b>Validation</b>	<input checked="" type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Cross <b>Comments (required for Partial/Cross):</b>		
<b>Assay:</b>	<input checked="" type="checkbox"/> Chromatographic <input type="checkbox"/> Ligand binding <input type="checkbox"/> Enzymatic <input type="checkbox"/> Other describe: <input type="checkbox"/> LC/MS <input checked="" type="checkbox"/> LC/MS/MS <input type="checkbox"/> GC/MS <input type="checkbox"/> GC/MS/MS <input type="checkbox"/> ELISA		
<b>Equipment and short description of extraction and analysis:</b> An aliquot of human urine containing the analyte and internal standard was extracted using a liquid-liquid extraction procedure. The extracted samples were analyzed by an HPLC equipped with an AB SCIEX API 4000™ triple quadrupole mass spectrometer using an ESI source. Positive ions were monitored in the multiple reaction monitoring (MRM) mode. Quantitation was determined using a weighted linear regression analysis (1/concentration for 4-aminobiphenyl and 1/concentration <sup>2</sup> for o-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene) of peak area ratios of the analyte and internal standard.			
<b>Selectivity/Sensitivity/Matrix effect:</b>	No significant matrix effect was observed in any of the 6 human urine lots that were fortified with 2-aminonaphthalene near the concentration of the LLOQ (2.50 pg/mL), in any of the 6 human urine lots that were fortified with 2-aminonaphthalene near the concentration of the low-medium QC (10.0 pg/mL), or in any of the 6 human urine lots that were fortified with 2-aminonaphthalene near the concentration of the high QC (250 pg/mL) samples		
<b>Accuracy:</b>	Intra-batch: -10.9 to 11.6% R.E. Inter-batch: -3.9 to 5.6% R.E.		
<b>Precision:</b>	Intra-batch: 1.0 to 25.9% C.V. Inter-batch: 2.5 to 12.0% C.V.		
<b>Recovery:</b>	From Non-Smoker Urine: 84% at 25.0 pg/mL 81% at 250 pg/mL  From Smoker Urine: 81% at 25.0 pg/mL 92% at 250 pg/mL		
<b>Freeze and thaw stability:</b>	6 freeze (-20°C)-thaw (ambient temperature) cycles in brown polypropylene tubes under UV-shielded light		



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## BIOANALYTICAL METHOD SUMMARY (BMS)

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<b>Short-term temperature stability:</b>	Short-Term Stability: 24 hours in brown polypropylene tubes at ambient temperature under UV-shielded light  Cumulative Short-Term Stability: 54 hours in brown polypropylene tubes at ambient temperature under UV-shielded light (total of all thaw cycles)
<b>Long-term stability:</b>	185 days in brown polypropylene tubes at -20°C
<b>Stock solution stability:</b>	133 days at approximately 400 µg/mL in methanol in a polypropylene container at -20°C
<b>Post-preparative stability:</b>	337 hours in a polypropylene 96 well plate at 5°C
<b>Stability of Analyte During Sample Collection and Handling:</b>	Up to 60 minutes in non-smoker human urine in white and brown lidded high-density polyethylene containers at ambient temperature under UV-shielded light  Up to 24 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C in a refrigerator  Up to 96 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C under UV-shielded light, up to 48 hours in smoker and non-smoker human urine in high-density polyethylene containers at 20°C under UV-shielded light, and up to 96 hours in smoker and non-smoker human urine in high-density polyethylene containers at 40°C under UV-shielded light
<b>Accreditation/ GLP compliance/ QA statements:</b>	GLP Compliance as Assay Validation conforms to Celerion Standard Operating Procedures which were written in compliance with FDA: Guidance to Industry "Bioanalytical Method Validation"
<b>BMS completed by:</b>	
<b>Name:</b> Erica Nick	<b>Date:</b> 06-Nov-2014
<b>Signature:</b> 	



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## BIOANALYTICAL METHOD SUMMARY (BMS)

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<b>Biomarker:</b> 1-Aminonaphthalene	<b>Matrix:</b> Urine
<b>MVR/SOP no. &amp; date:</b> ZZ37540-01 / 06-Nov-2014	<b>CRO/Laboratory:</b> Celerion-Lincoln
<b>LLOQ:</b> 2.50 pg/mL	<b>ULOQ:</b> 500 pg/mL
<b>Validation</b>	<input checked="" type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Cross <b>Comments (required for Partial/Cross):</b>
<b>Assay:</b>	<input checked="" type="checkbox"/> Chromatographic <input type="checkbox"/> Ligand binding <input type="checkbox"/> Enzymatic <input type="checkbox"/> Other describe: <input type="checkbox"/> LC/MS <input checked="" type="checkbox"/> LC/MS/MS <input type="checkbox"/> GC/MS <input type="checkbox"/> GC/MS/MS <input type="checkbox"/> ELISA
<b>Equipment and short description of extraction and analysis:</b> An aliquot of human urine containing the analyte and internal standard was extracted using a liquid-liquid extraction procedure. The extracted samples were analyzed by an HPLC equipped with an AB SCIEX API 4000™ triple quadrupole mass spectrometer using an ESI source. Positive ions were monitored in the multiple reaction monitoring (MRM) mode. Quantitation was determined using a weighted linear regression analysis (1/concentration for 4-aminobiphenyl and 1/concentration for o-toluidine, 2-aminonaphthalene, and 1-aminonaphthalene) of peak area ratios of the analyte and internal standard.	
<b>Selectivity/Sensitivity/Matrix effect:</b>	No significant matrix effect was observed in 4 of the 6 human urine lots that were fortified with 1-aminonaphthalene near the concentration of the LLOQ (2.50 pg/mL), in any of the 6 human urine lots that were fortified with 1-aminonaphthalene near the concentration of the low-medium QC (10.0 pg/mL), or in any of the 6 human urine lots that were fortified with 1-aminonaphthalene near the concentration of the high QC (250 pg/mL) samples
<b>Accuracy:</b>	Intra-batch: -10.4 to 6.5% R.E. Inter-batch: -3.0 to 3.3% R.E.
<b>Precision:</b>	Intra-batch: 0.7 to 25.1% C.V. Inter-batch: 3.1 to 11.7% C.V.
<b>Recovery:</b>	From Non-Smoker Urine: 55% at 25.0 pg/mL 53% at 250 pg/mL  From Smoker Urine: 56% at 25.0 pg/mL 64% at 250 pg/mL
<b>Freeze and thaw stability:</b>	6 freeze (-20°C)-thaw (ambient temperature) cycles in brown polypropylene tubes under UV-shielded light
<b>Short-term temperature stability:</b>	Short-Term Stability: 24 hours in brown polypropylene tubes at ambient temperature under UV-shielded light  Cumulative Short-Term Stability: 54 hours in brown polypropylene tubes at ambient temperature under UV-shielded light (total of all thaw cycles)



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
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## BIOANALYTICAL METHOD SUMMARY (BMS)

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<b>Long-term stability:</b>	185 days in brown polypropylene tubes at -20°C	
<b>Stock solution stability:</b>	136 days at approximately 400 µg/mL in methanol in a polypropylene container at -20°C	
<b>Post-preparative stability:</b>	337 hours in a polypropylene 96 well plate at 5°C	
<b>Stability of Analyte During Sample Collection and Handling:</b>	<p>Up to 60 minutes in non-smoker human urine in white and brown lidded high-density polyethylene containers at ambient temperature under UV-shielded light</p> <p>Up to 24 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C in a refrigerator</p> <p>Up to 96 hours in smoker and non-smoker human urine in high-density polyethylene containers at 5°C under UV-shielded light, up to 48 hours in smoker and non-smoker human urine in high-density polyethylene containers at 20°C under UV-shielded light, and up to 48 hours in smoker and non-smoker human urine in high-density polyethylene containers at 40°C under UV-shielded light</p>	
<b>Accreditation/ GLP compliance/ QA statements:</b>	GLP Compliance as Assay Validation conforms to Celerion Standard Operating Procedures which were written in compliance with FDA: Guidance to Industry "Bioanalytical Method Validation"	
<b>BMS completed by:</b>		
<b>Name:</b> Erica Natch	<b>Date:</b> 06-Nov-2014	<b>Signature:</b> 



4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

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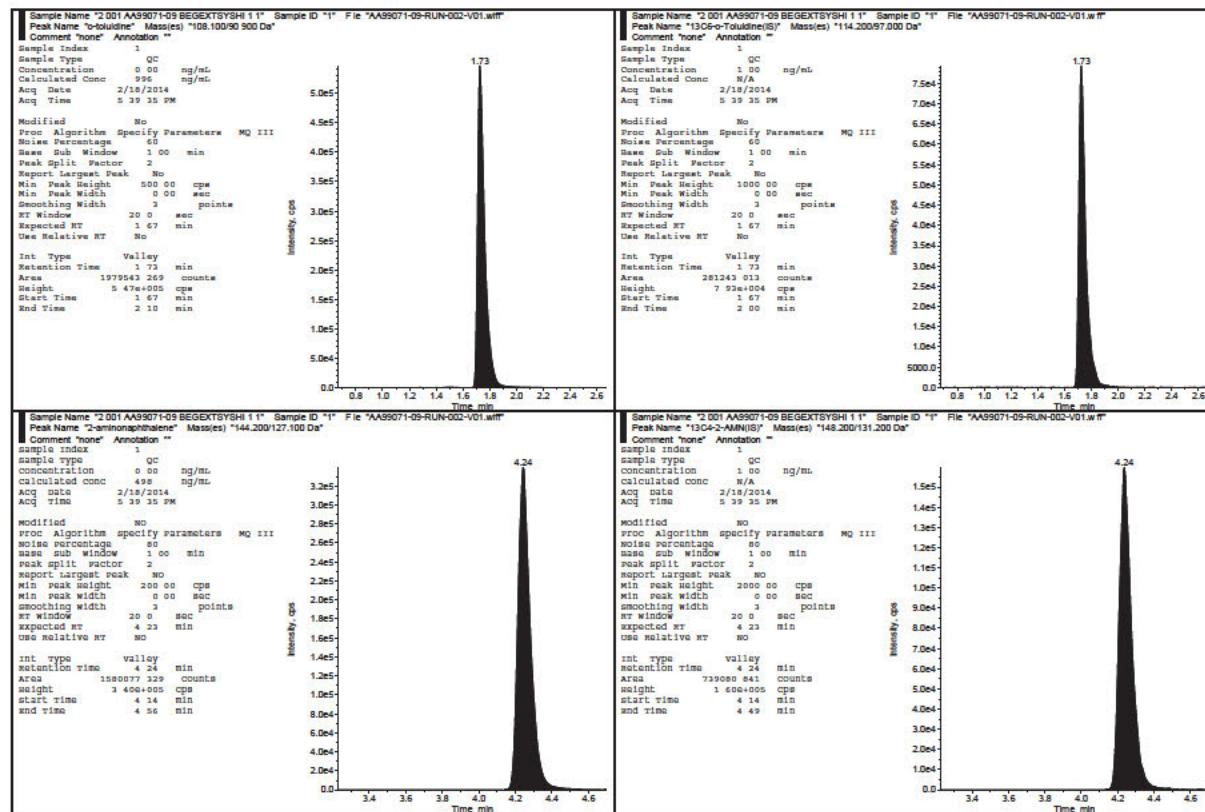
Attachment 8 Chromatograms

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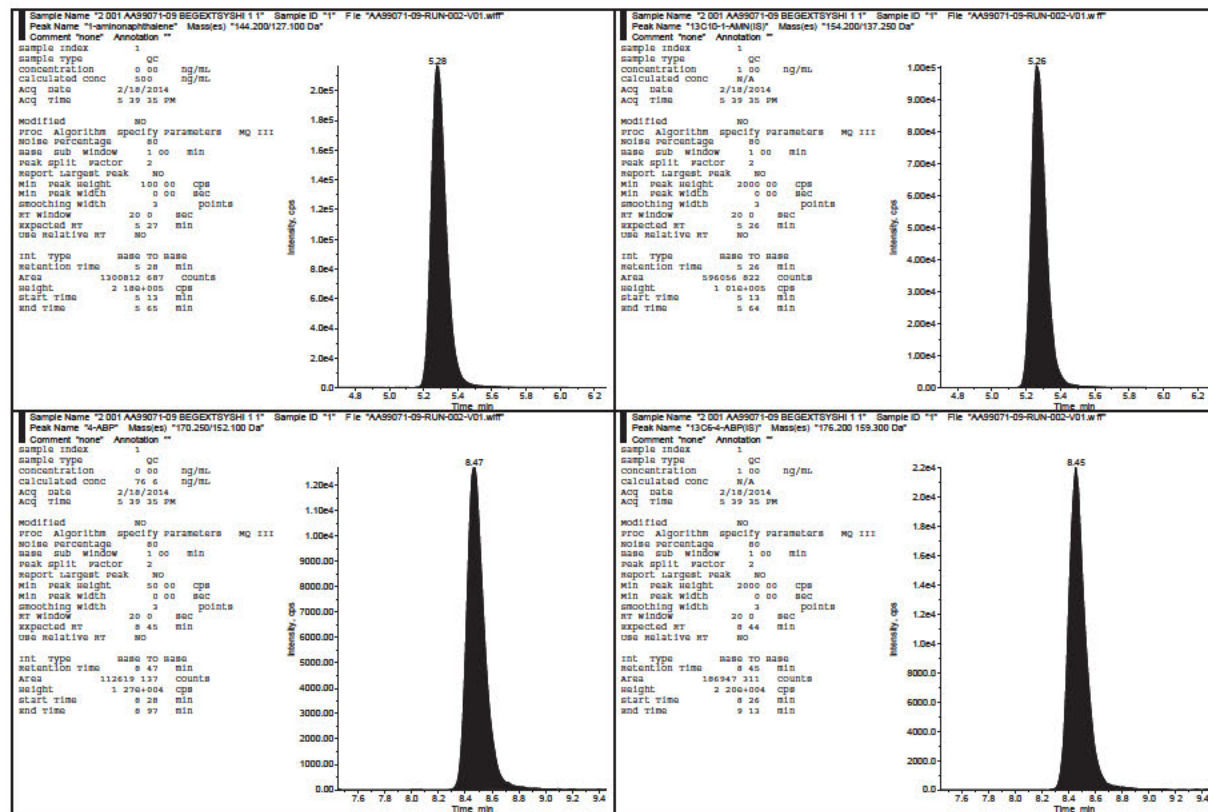


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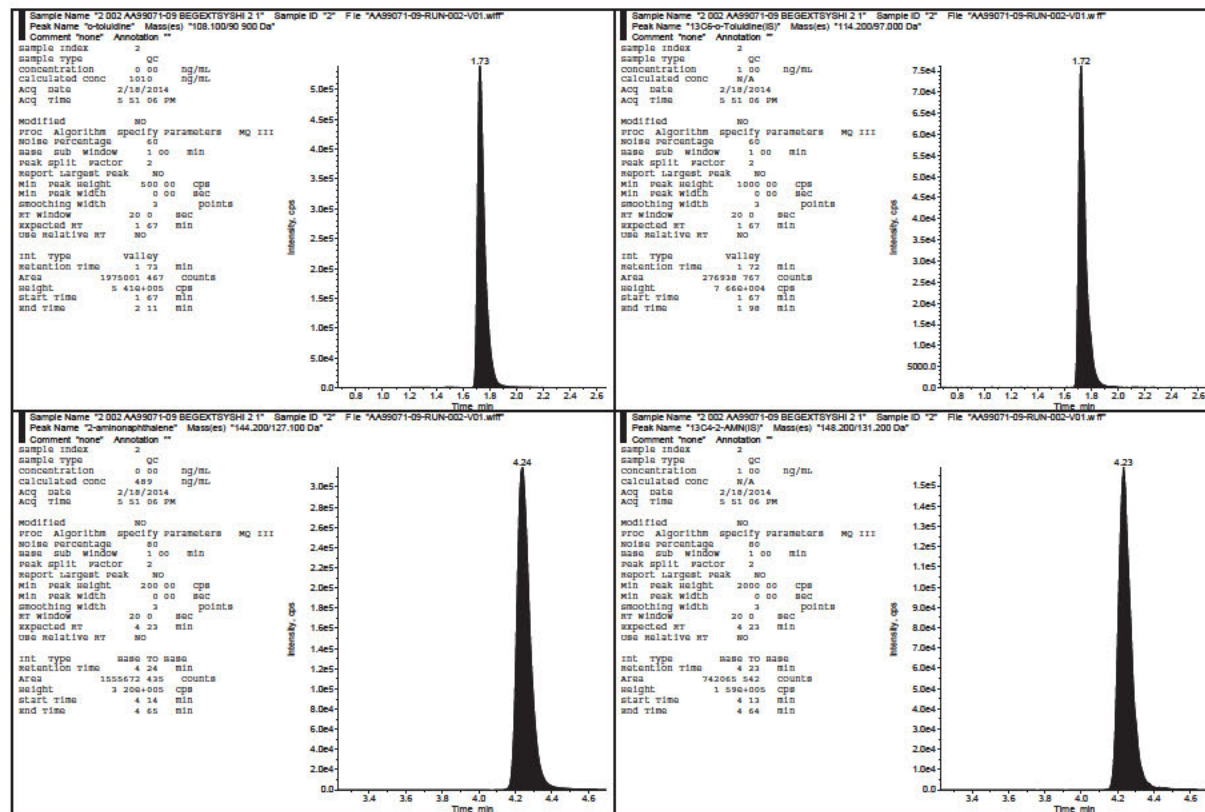


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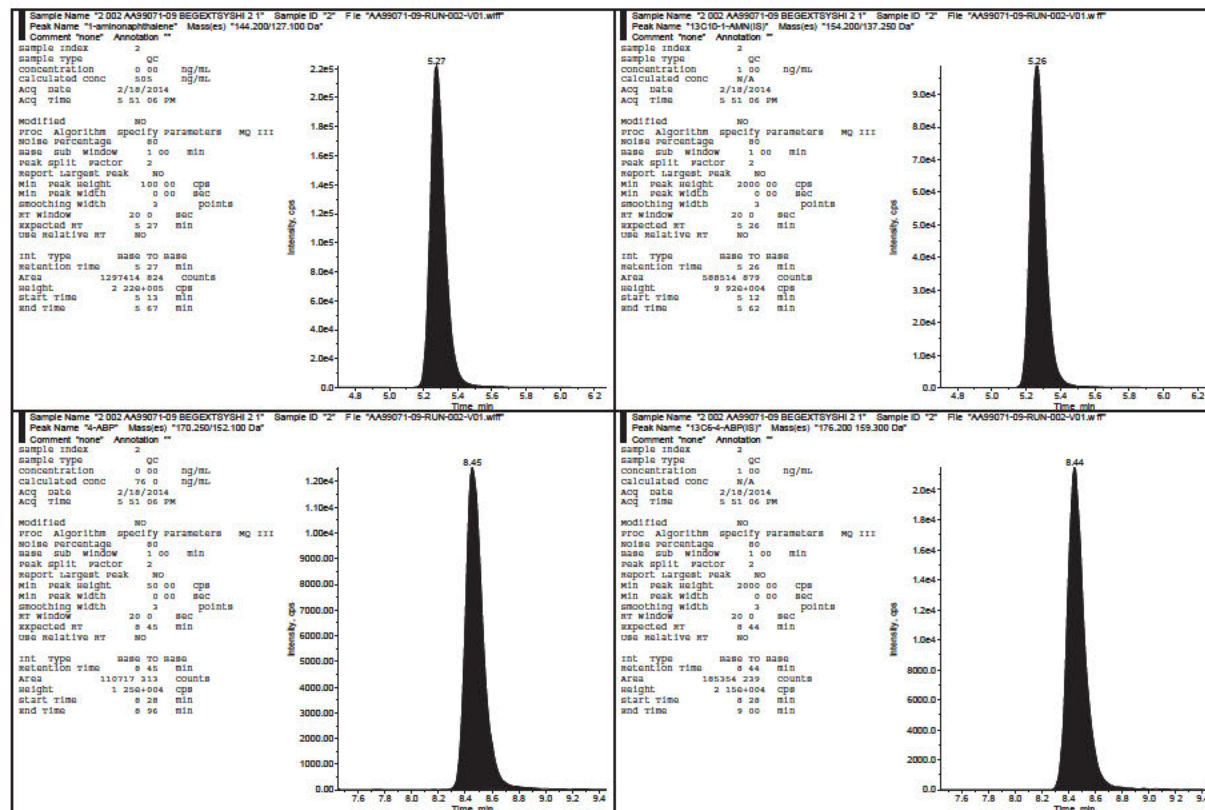


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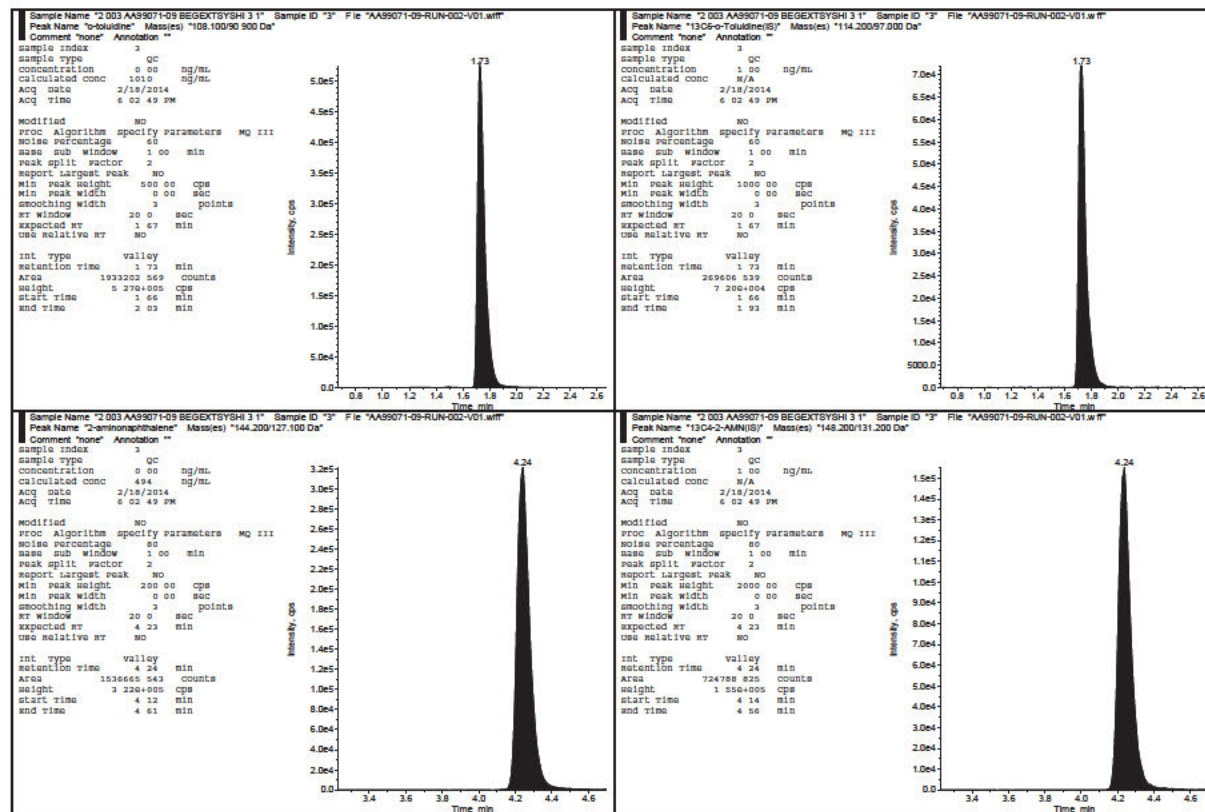
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Celerion Study AA99071-09







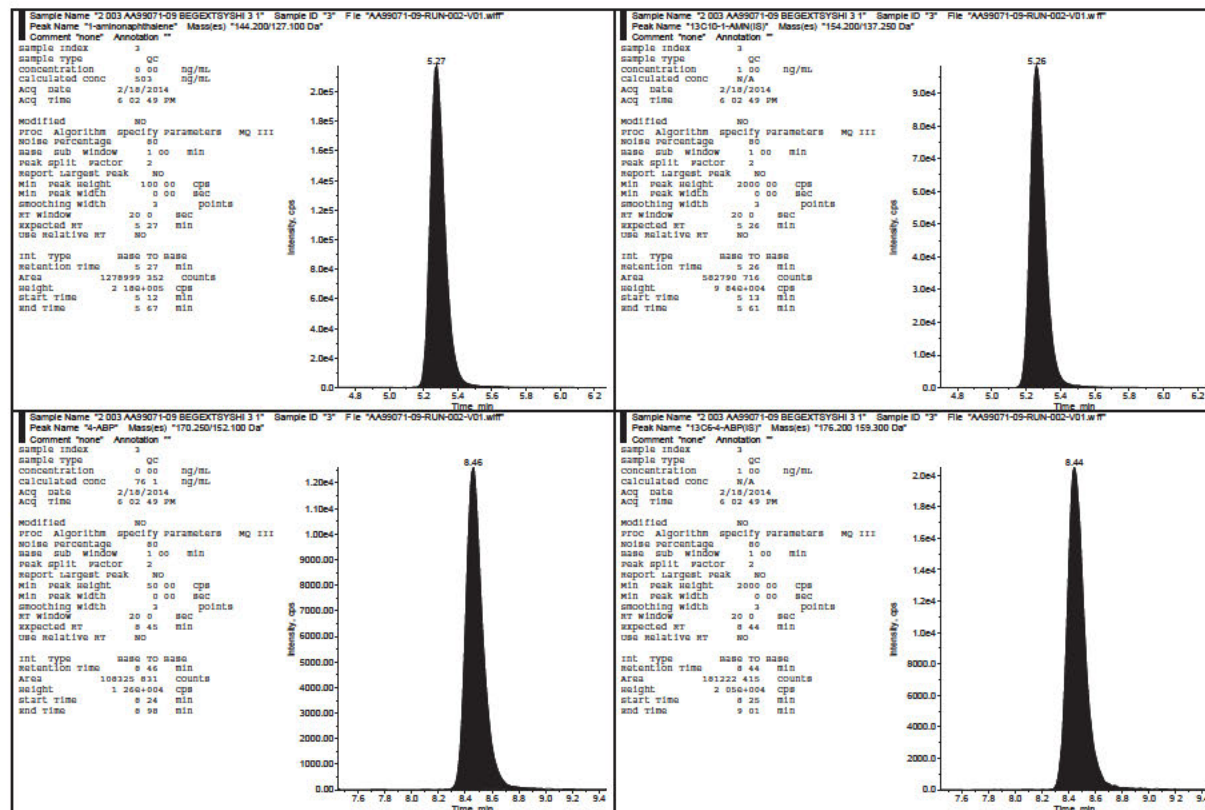
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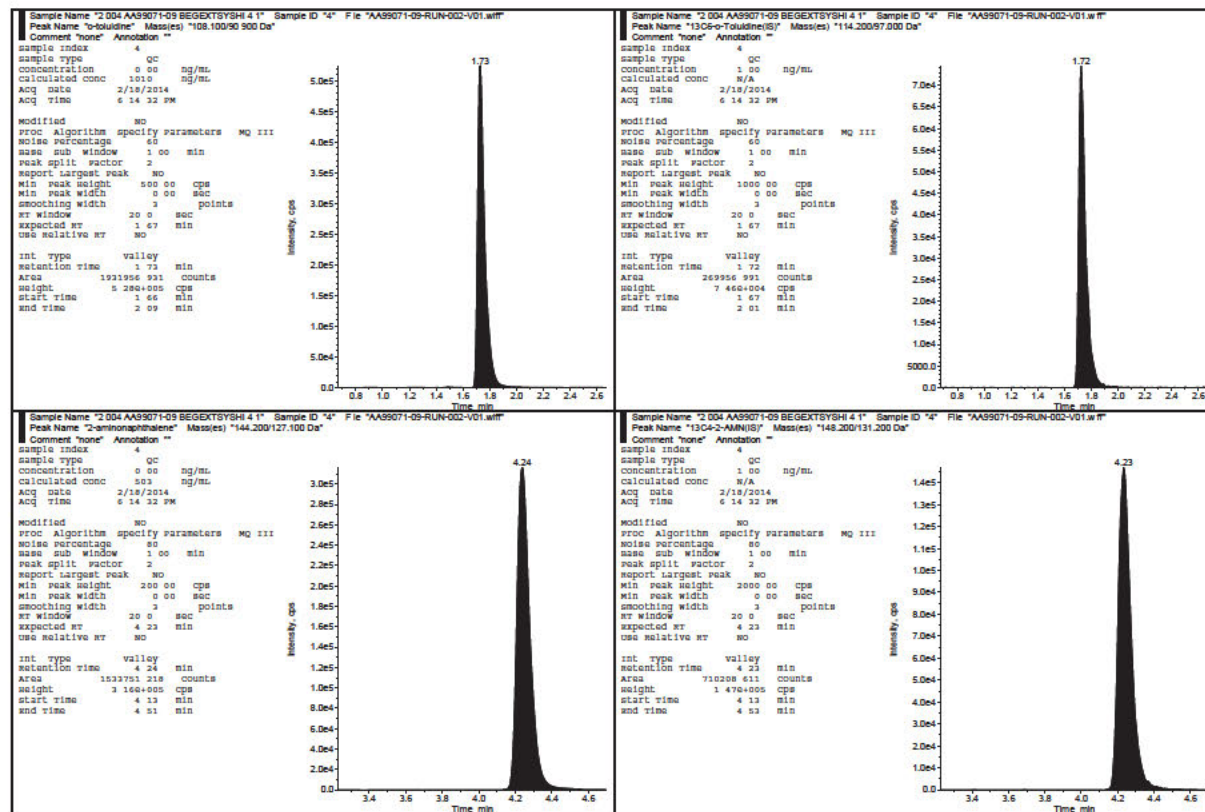


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Celerion Study AA99071-09



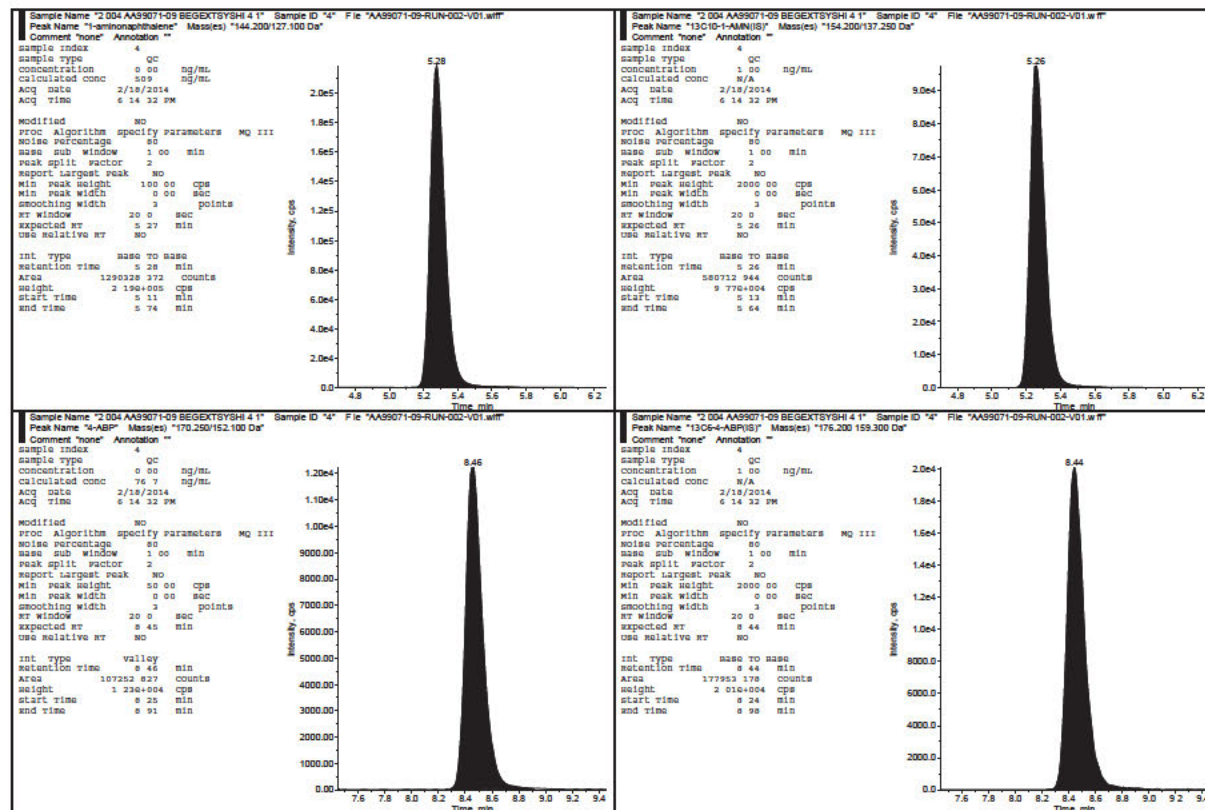


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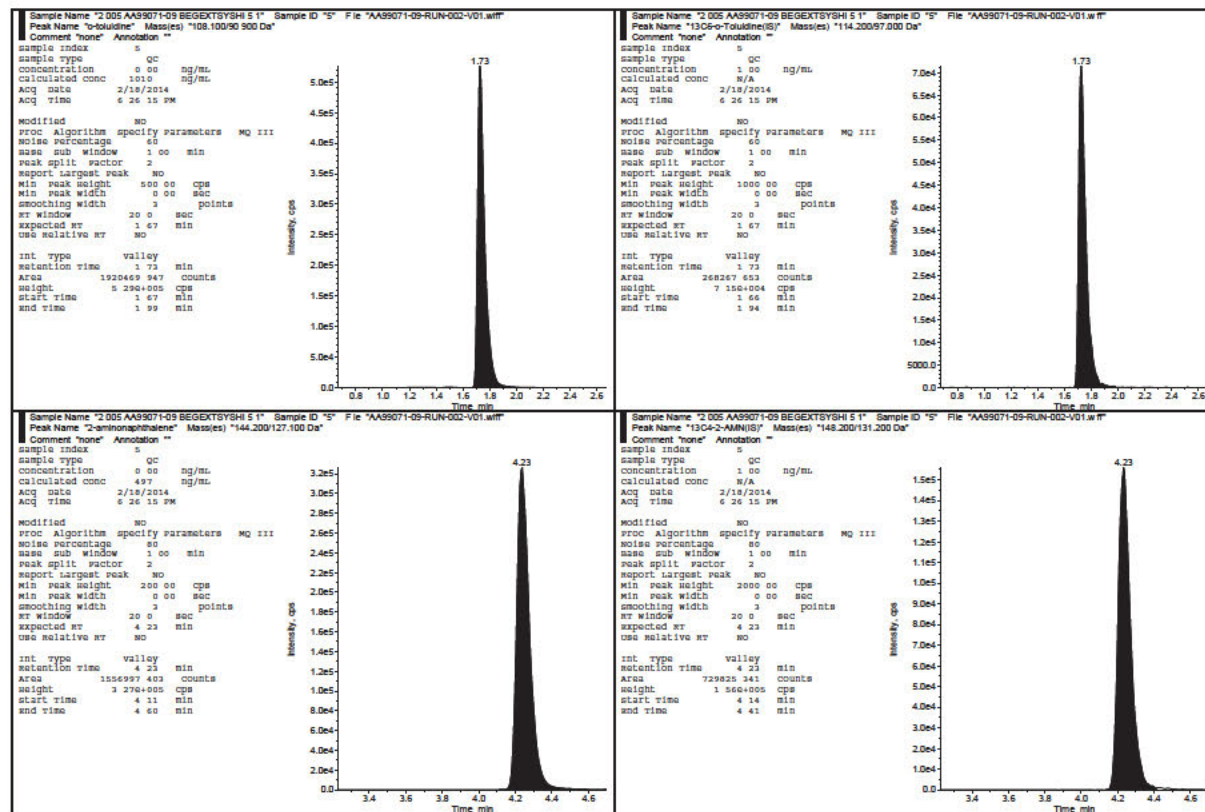


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Celerion Study AA99071-09





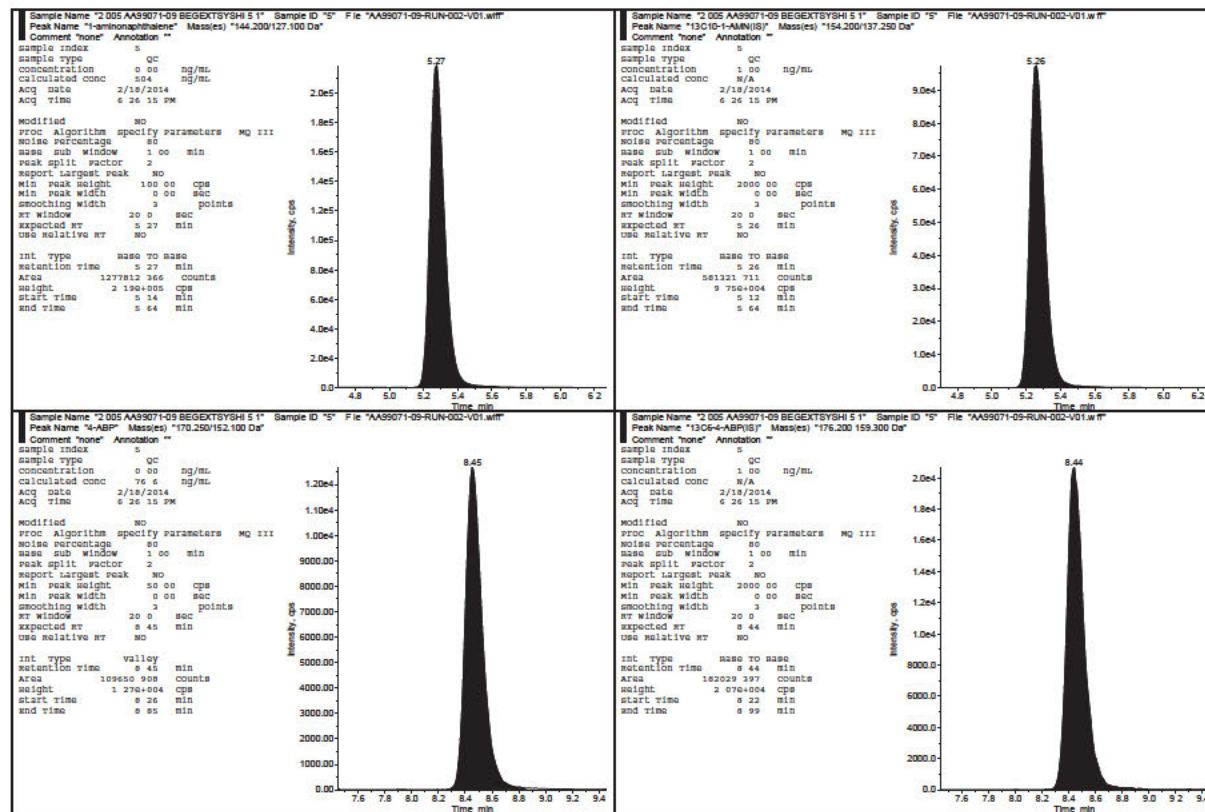
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Celerion Study AA99071-09







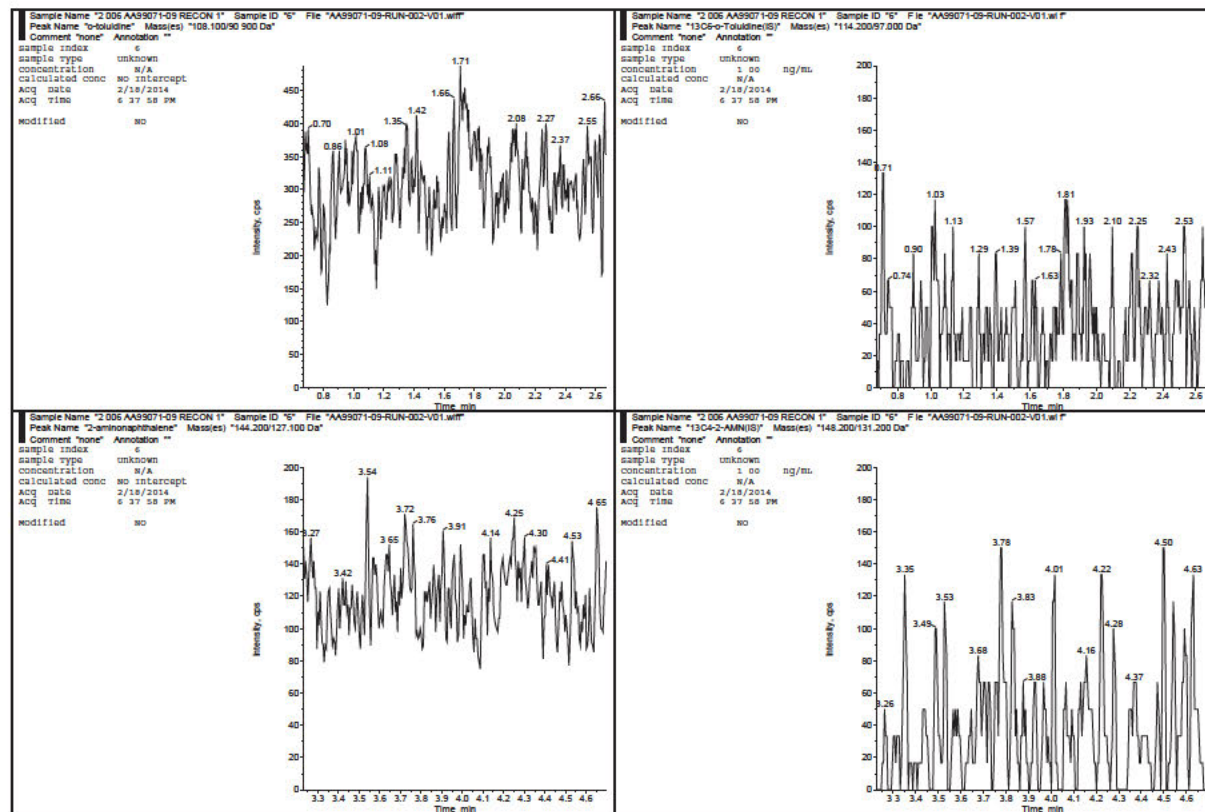
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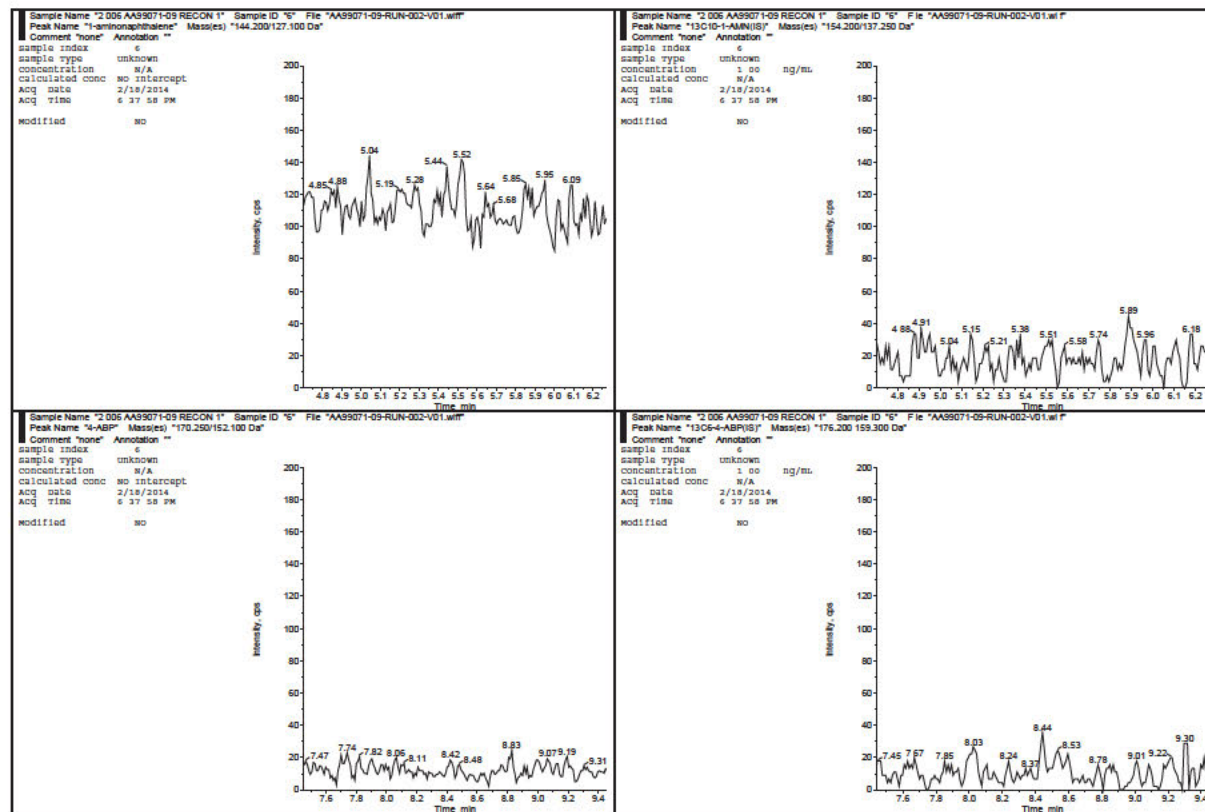


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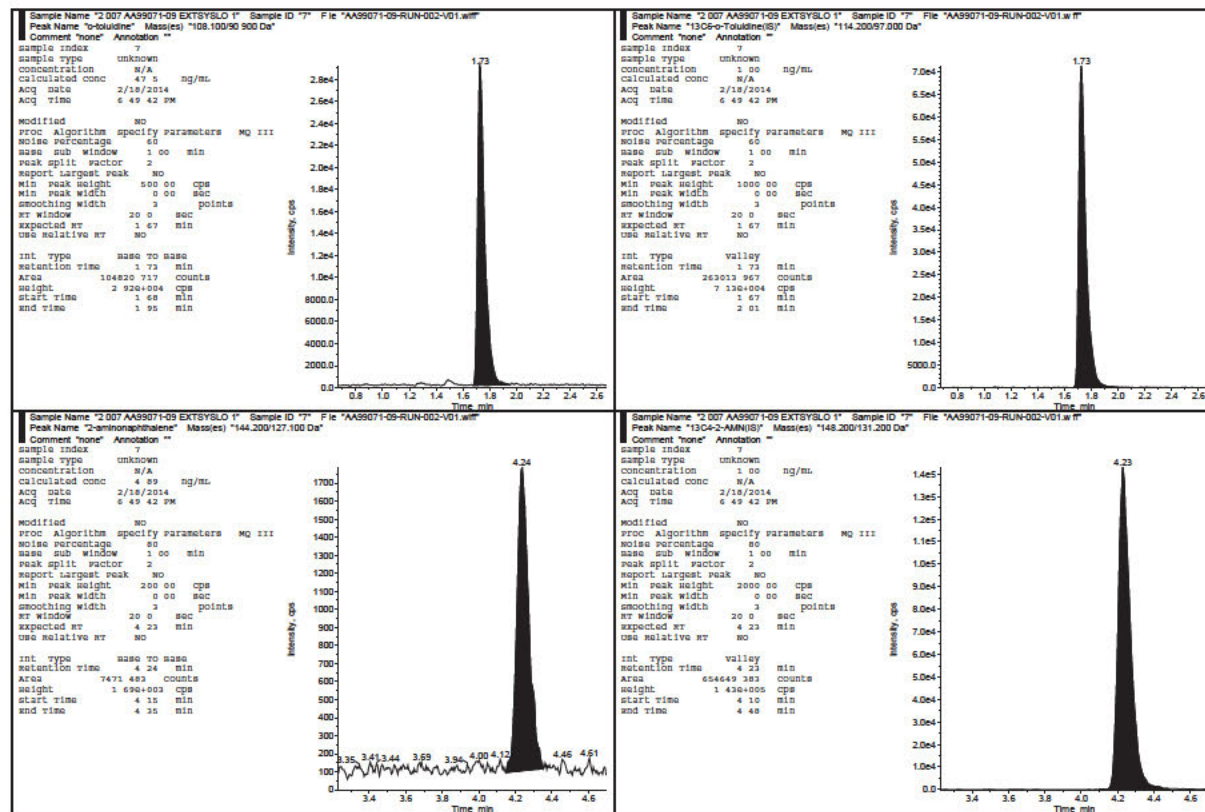


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Celerion Study AA99071-09



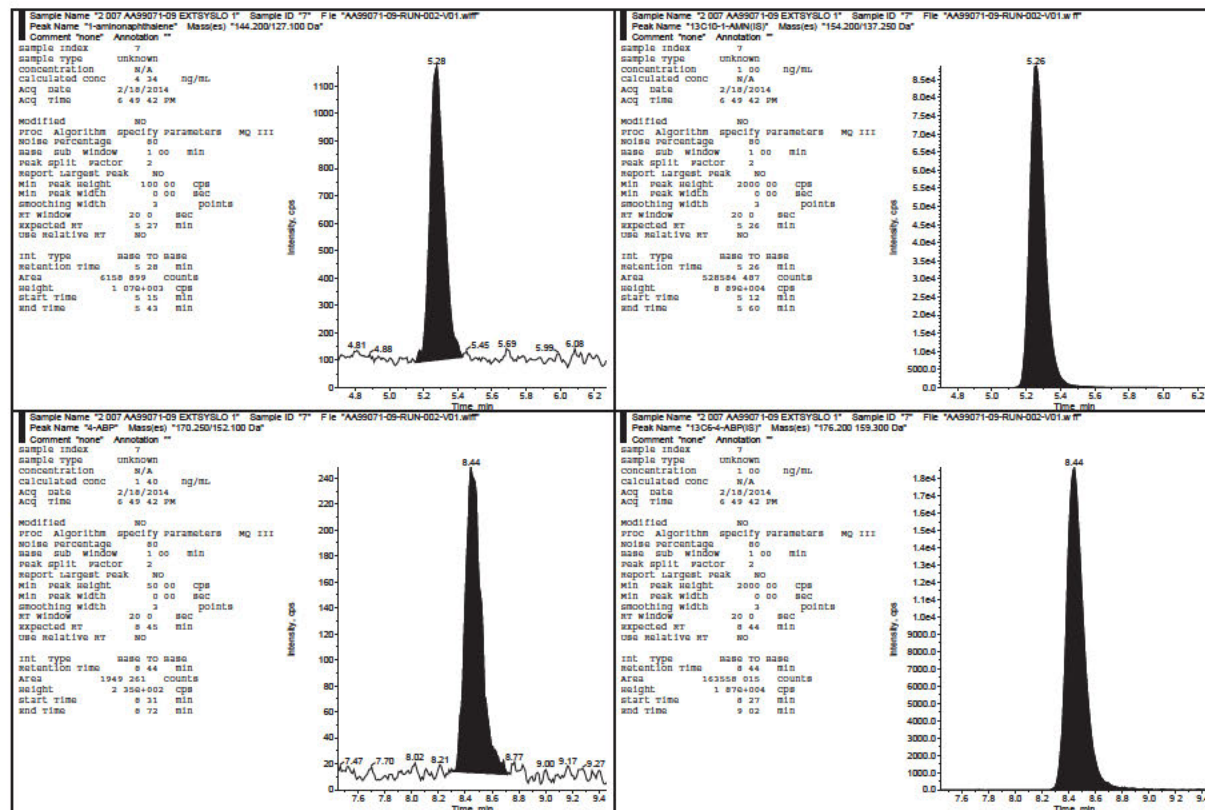


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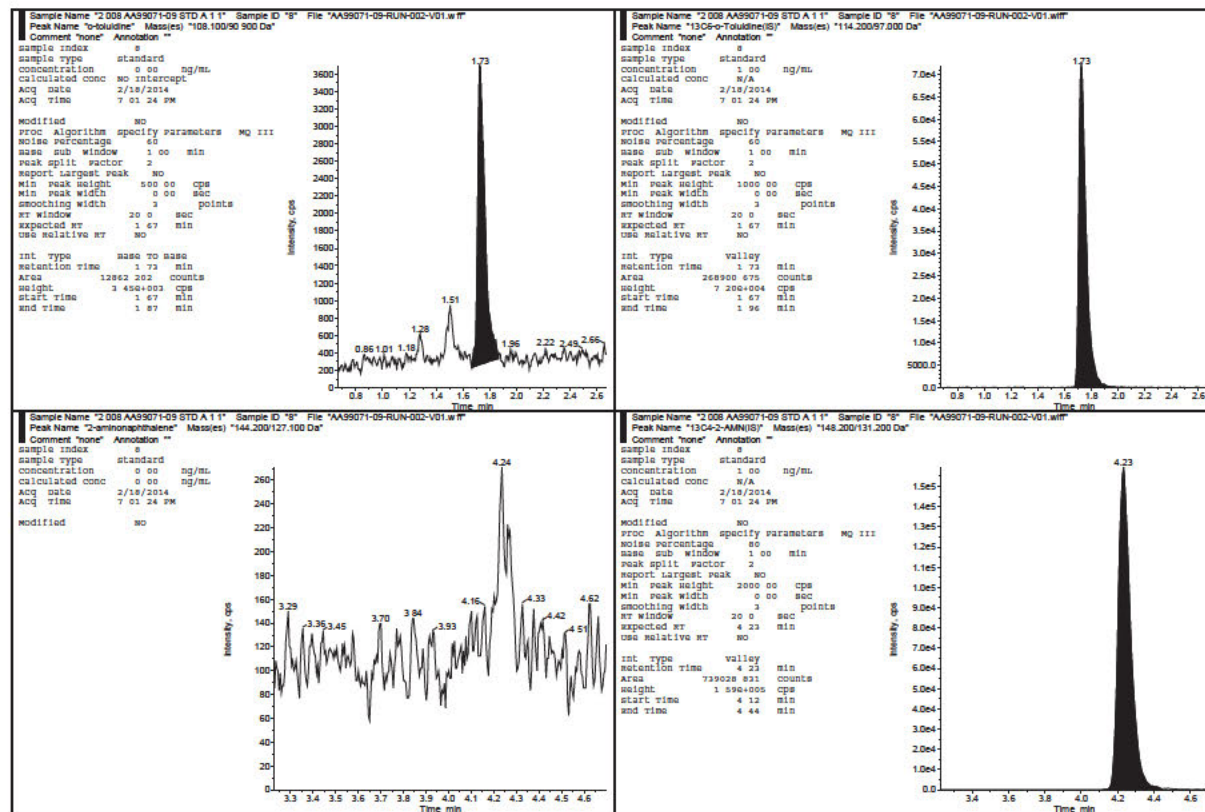
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Celerion Study AA99071-09







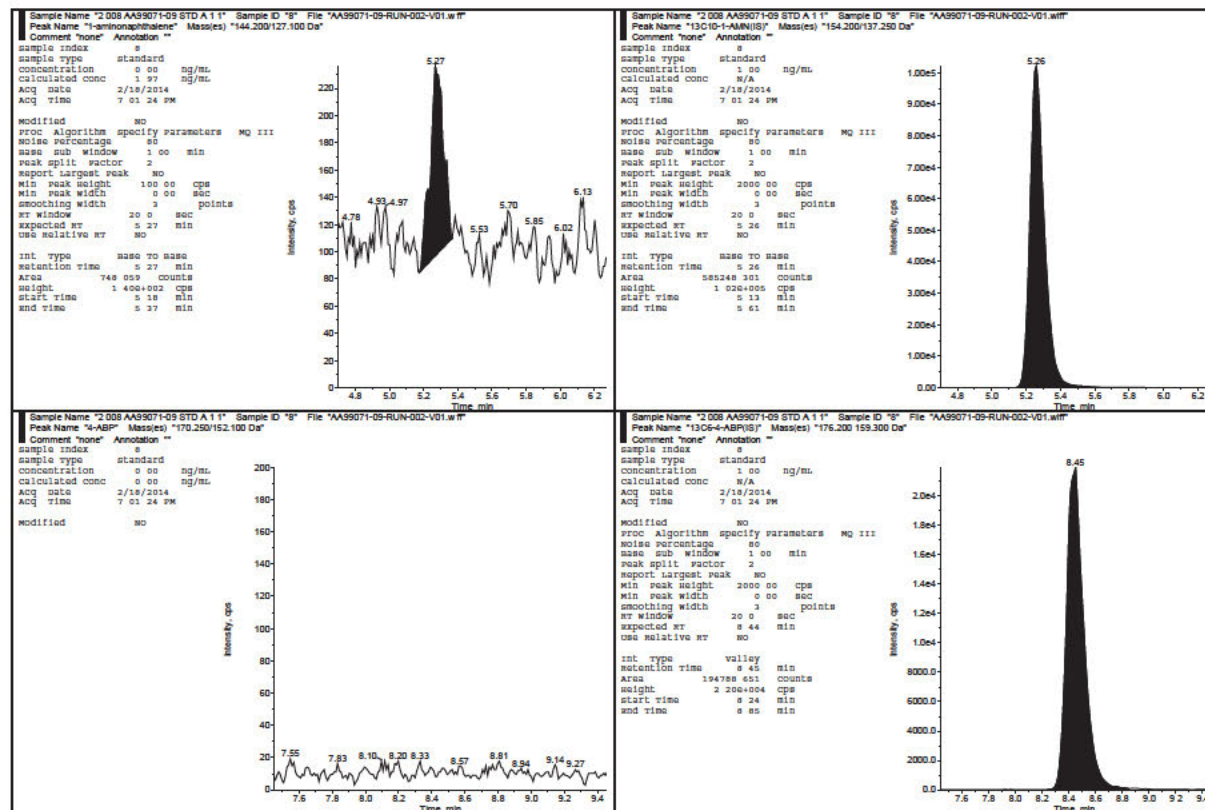
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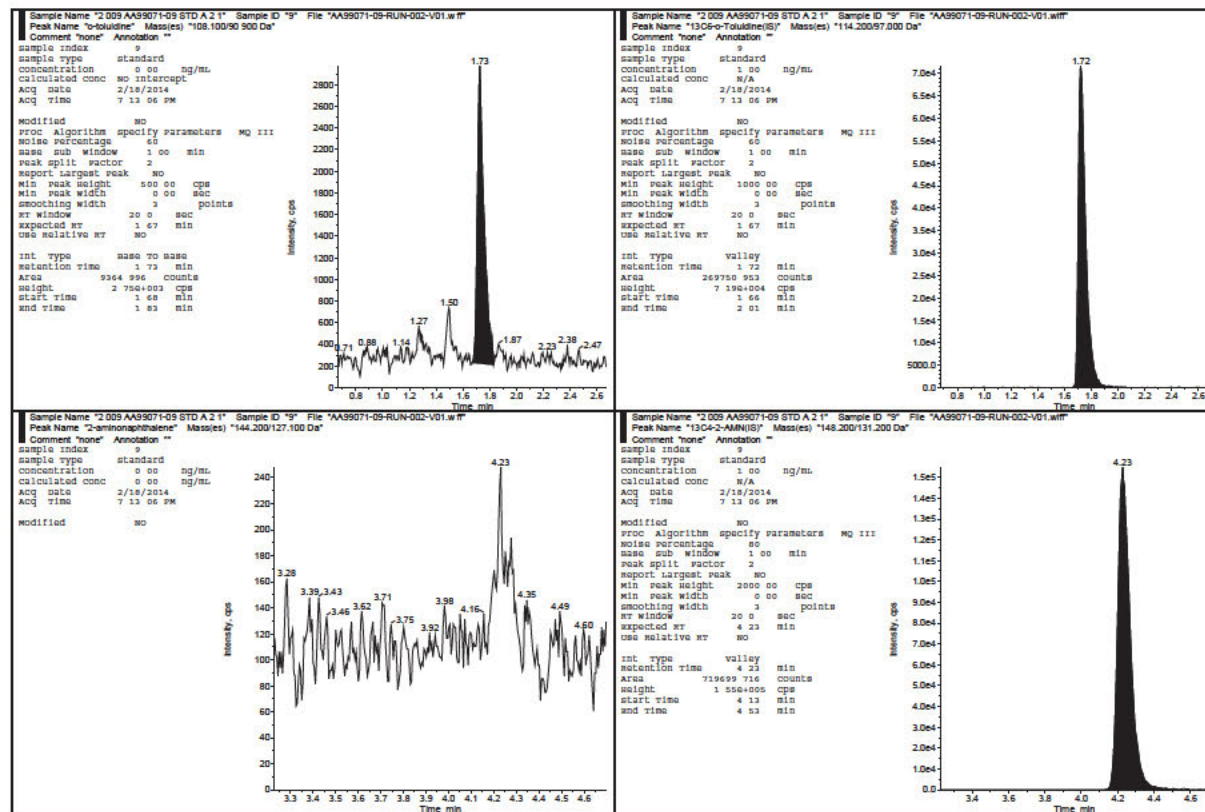


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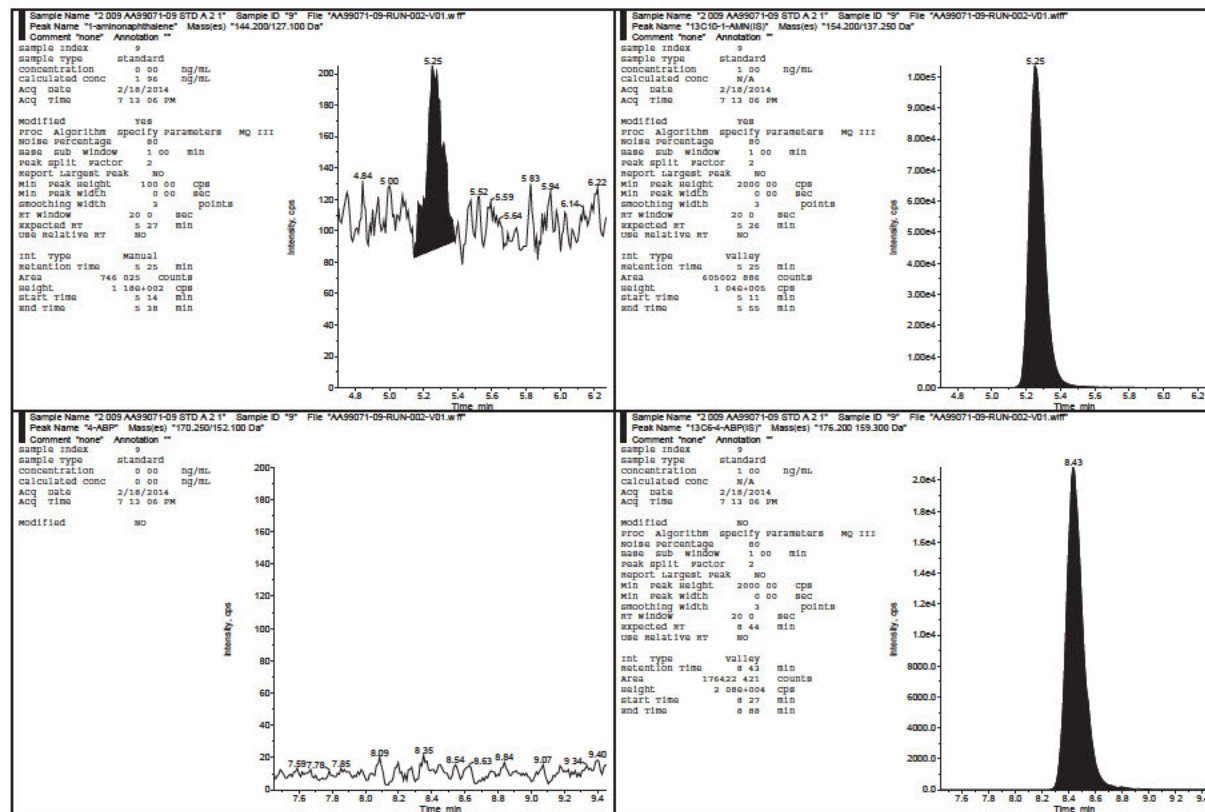


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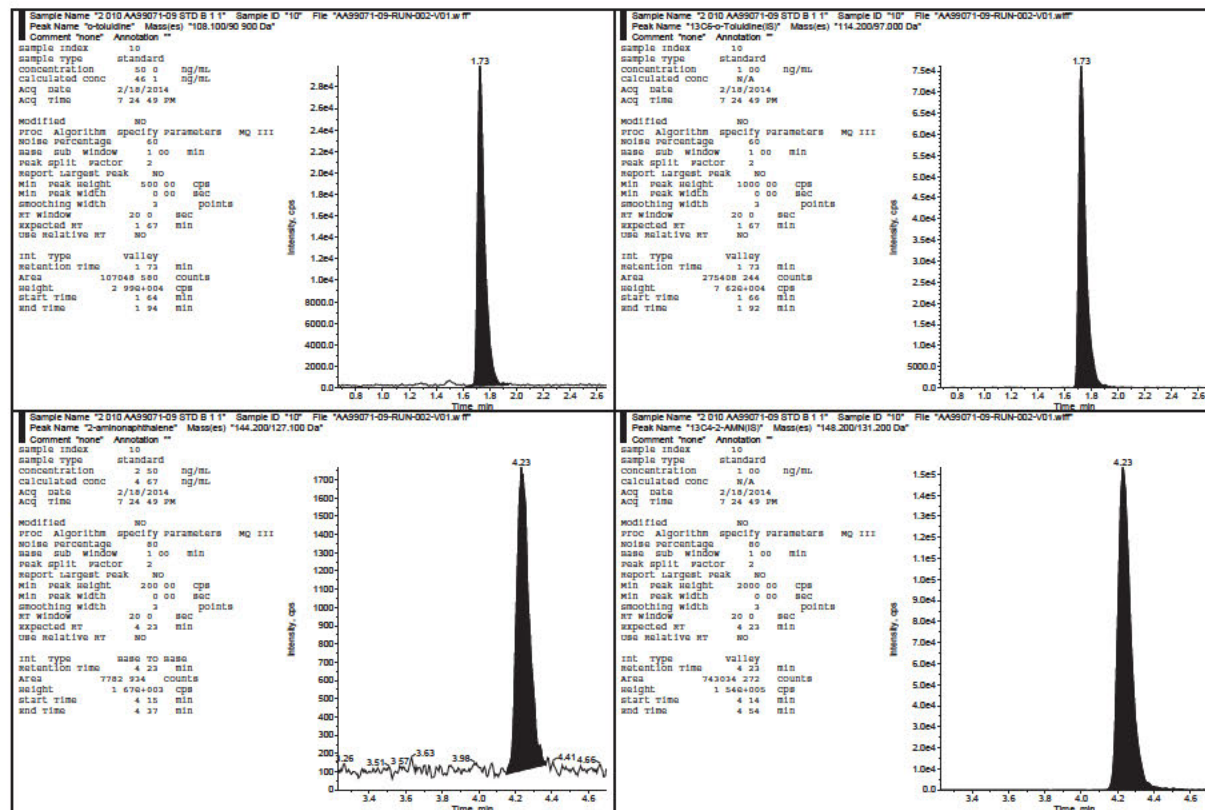


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Celerion Study AA99071-09





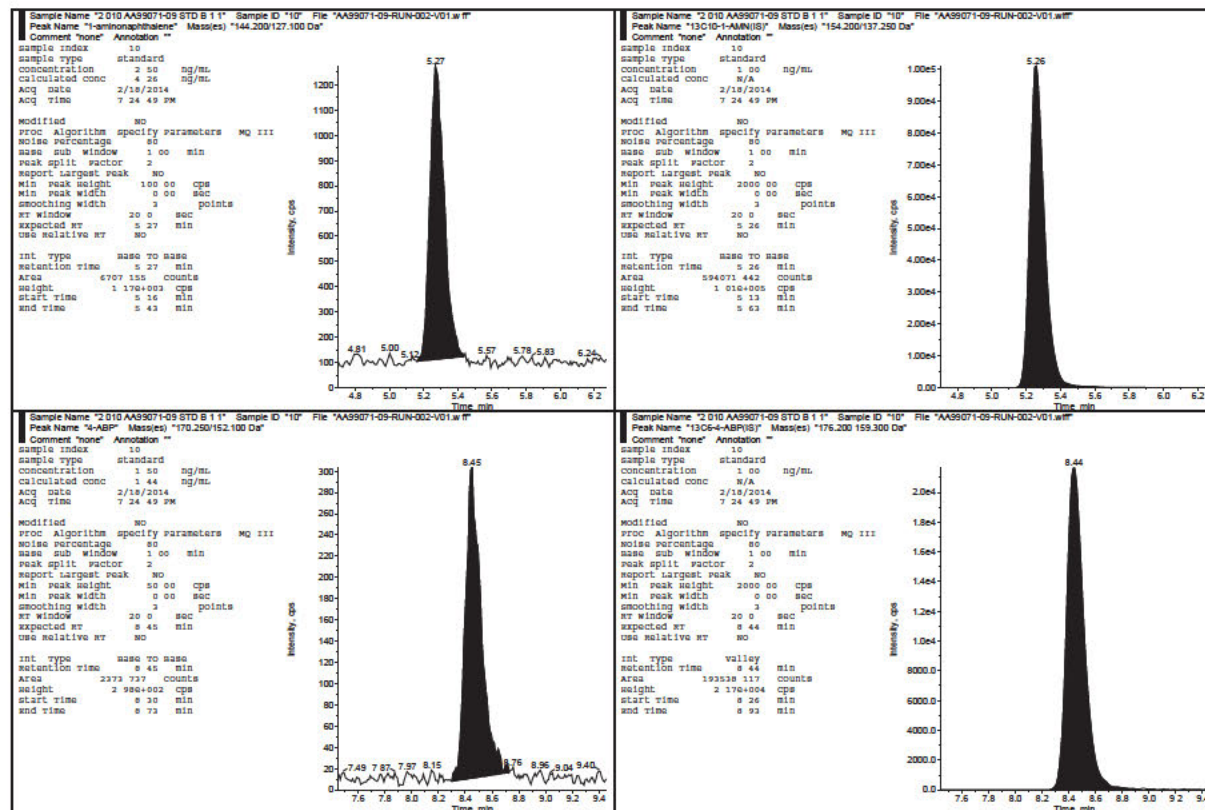
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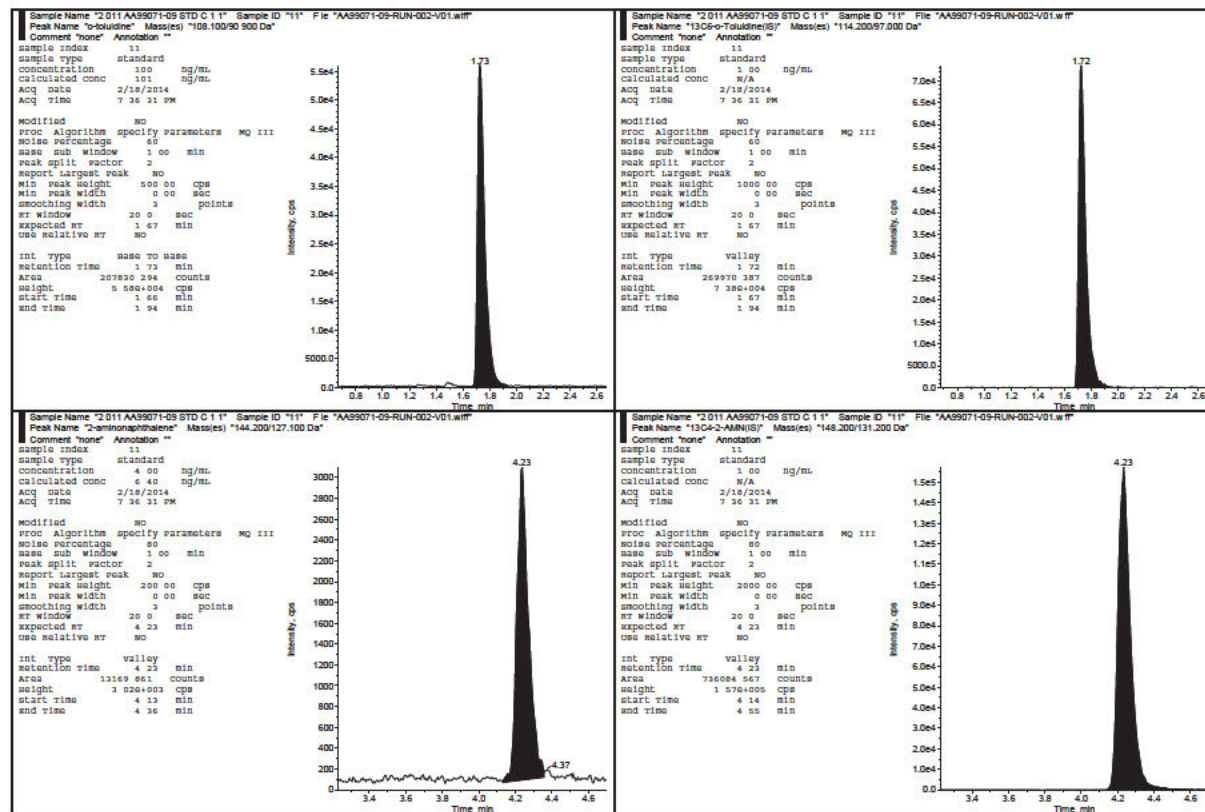
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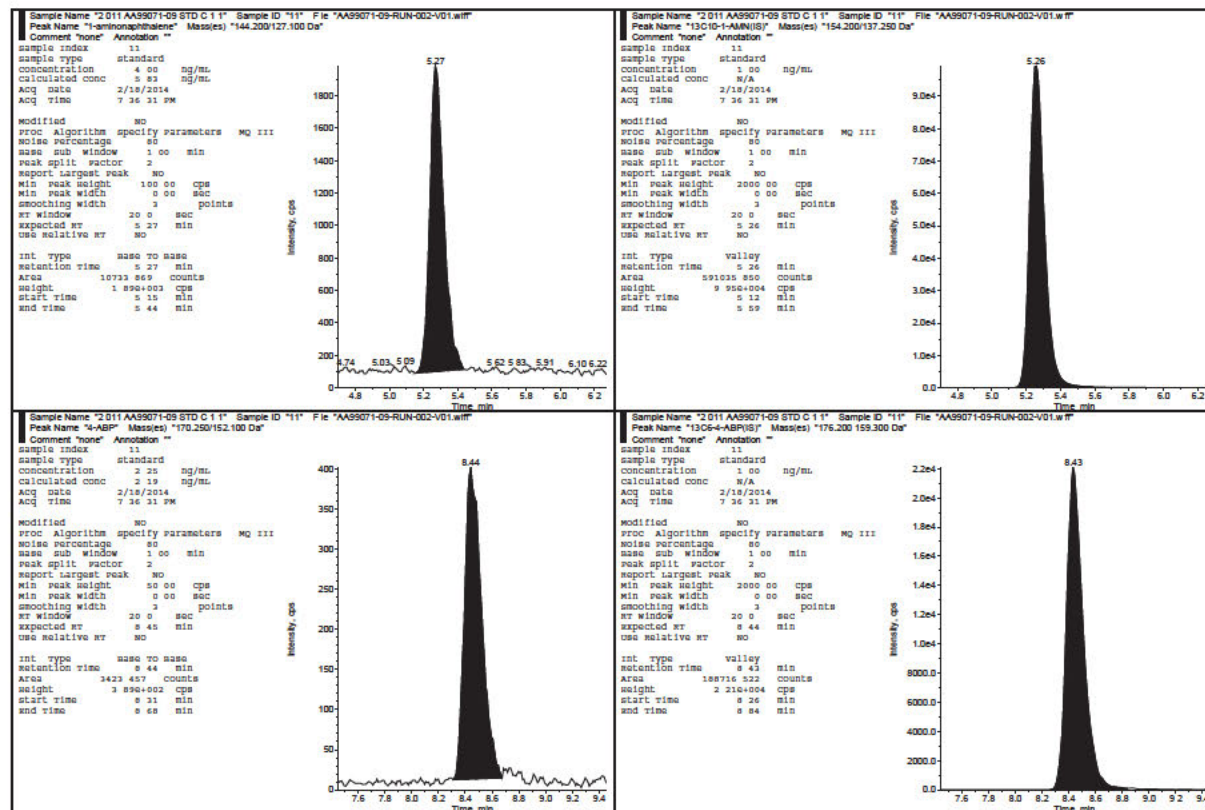


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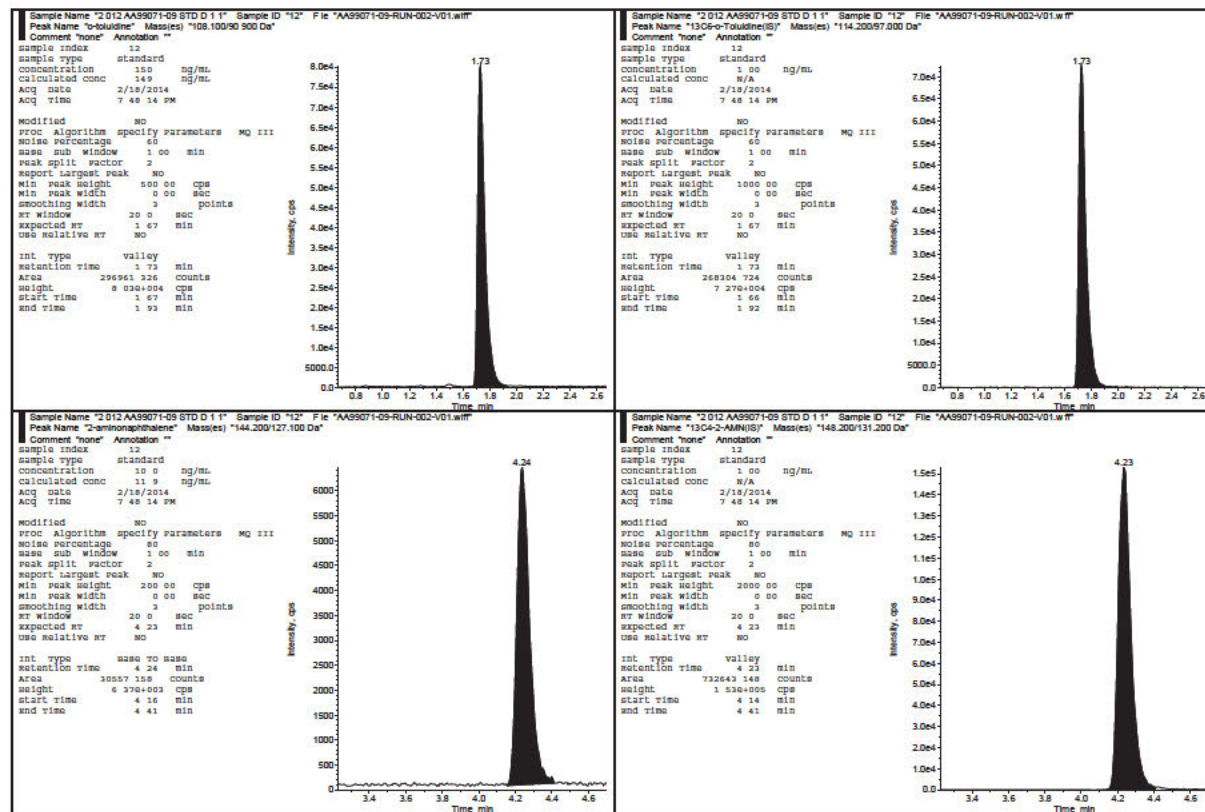


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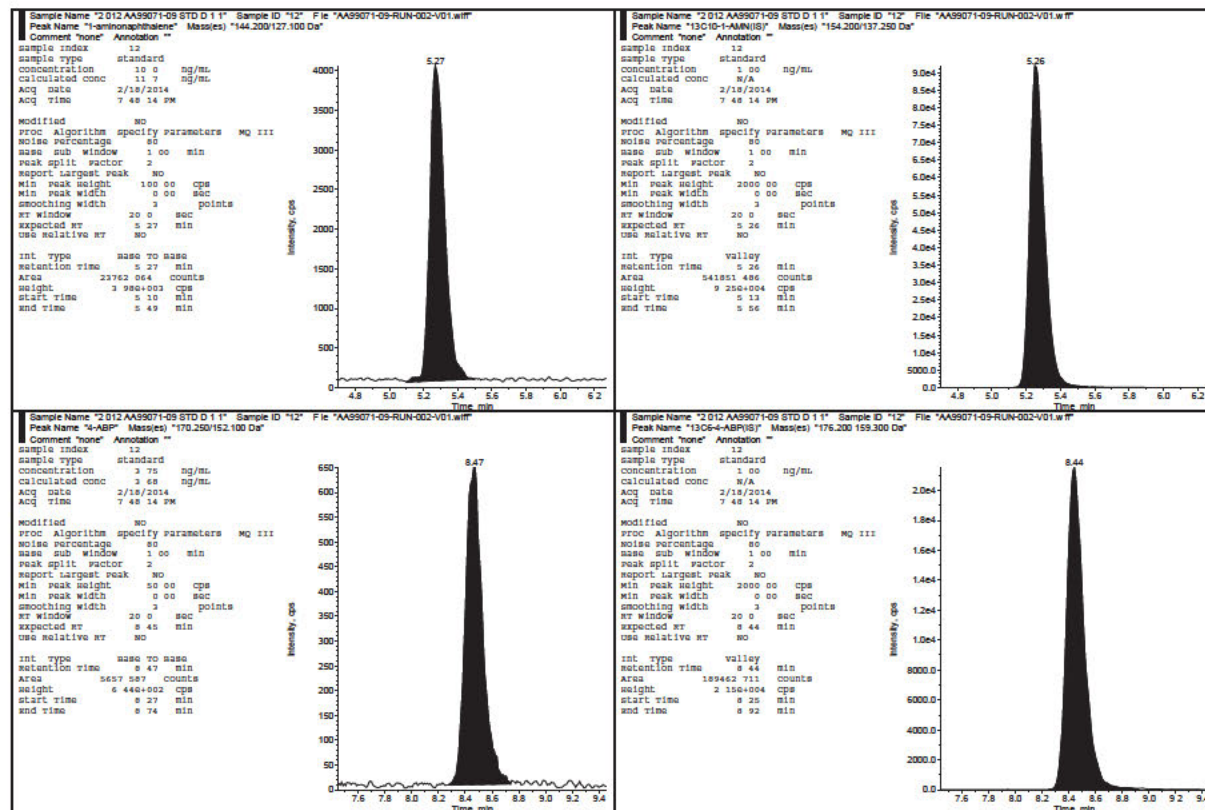


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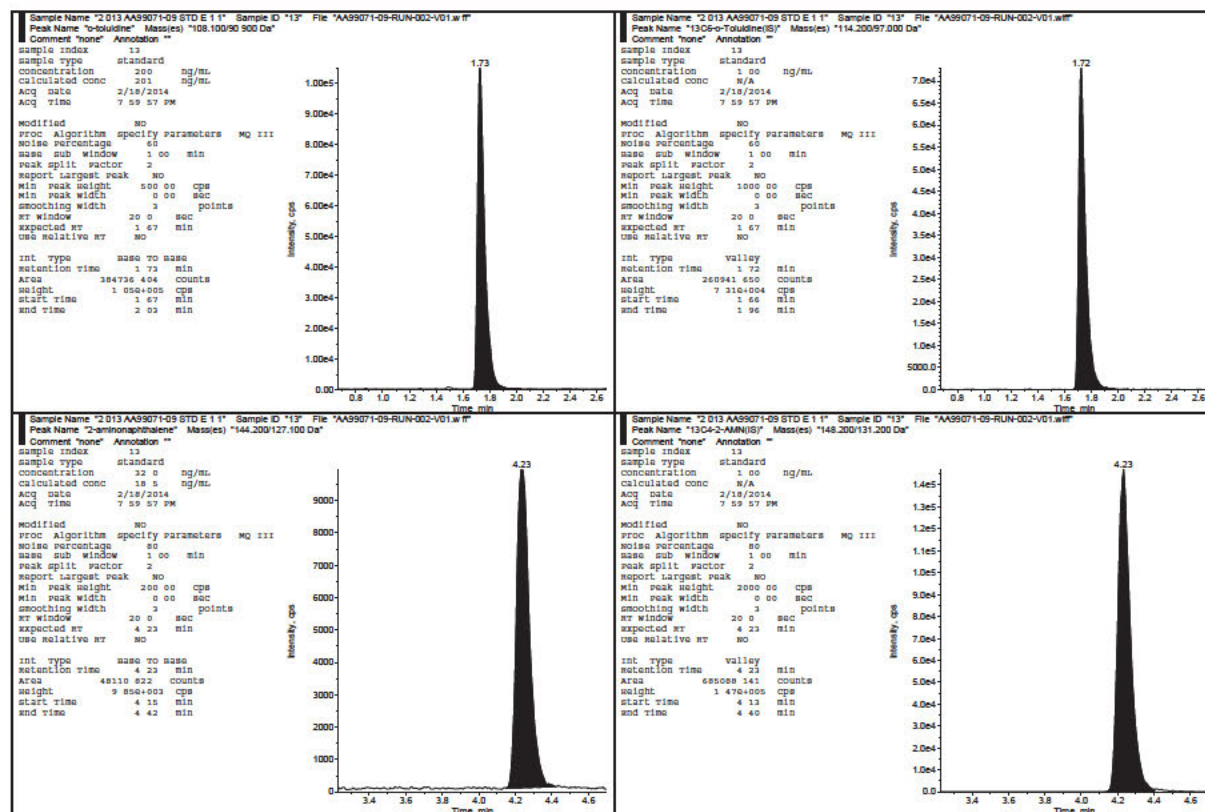
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Celerion Study AA99071-09







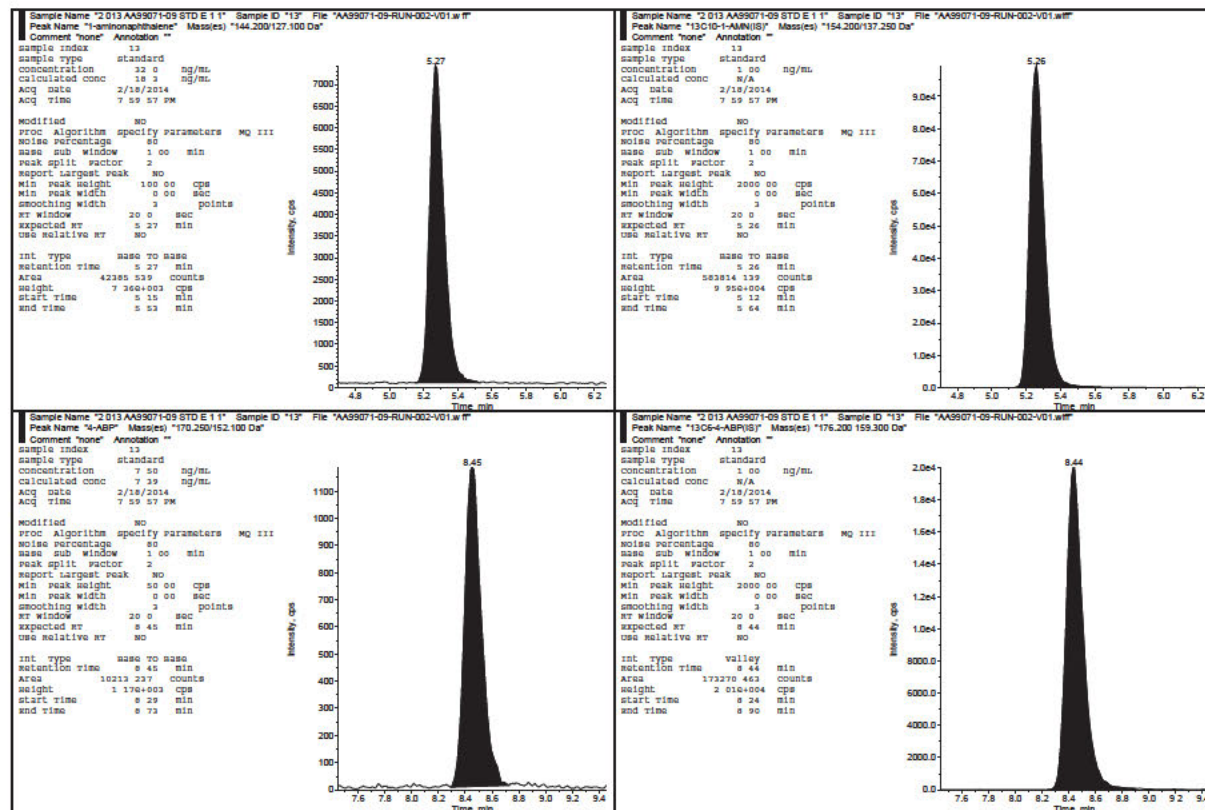
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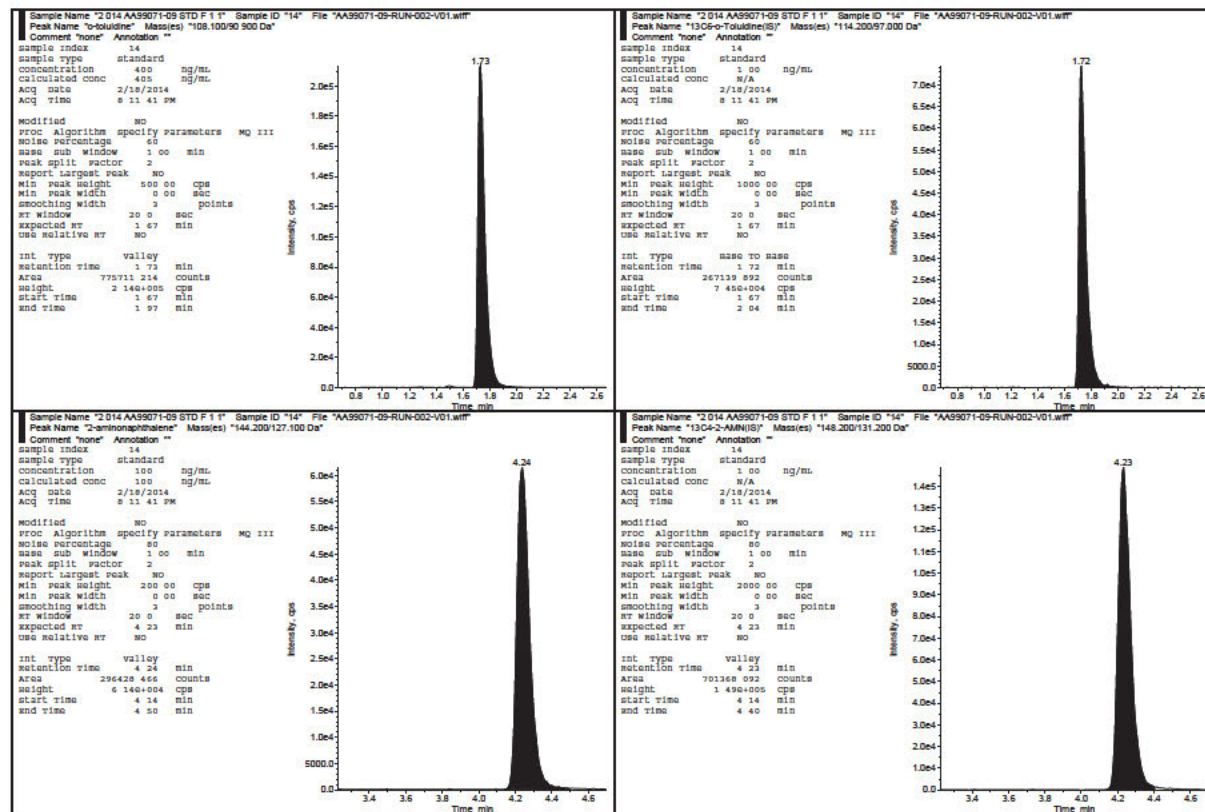


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Celerion Study AA99071-09



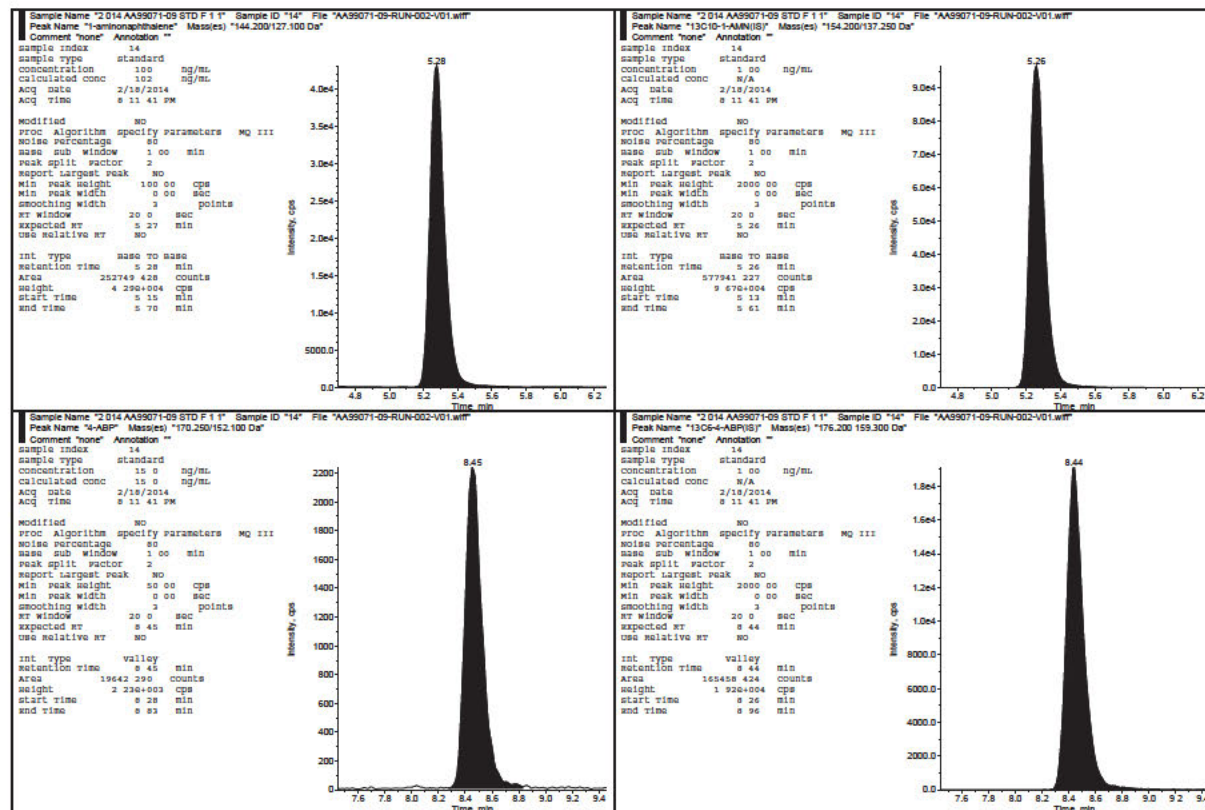


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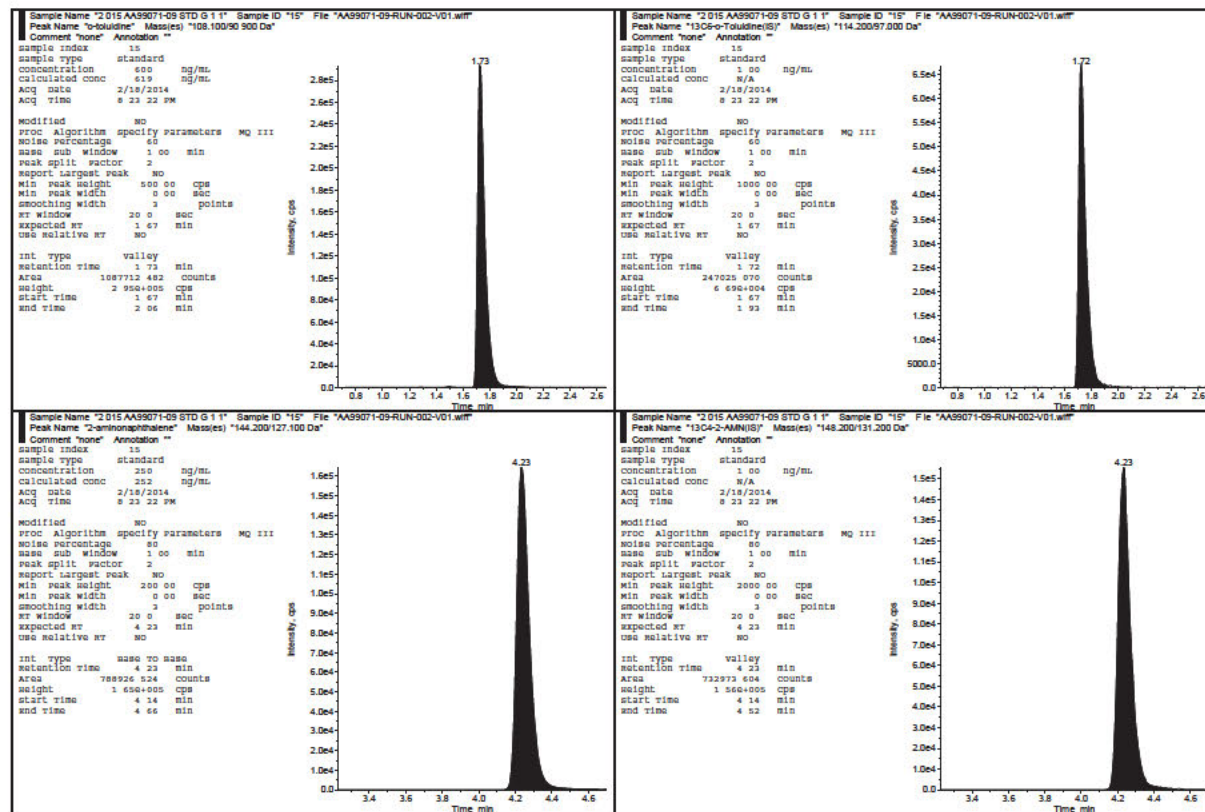


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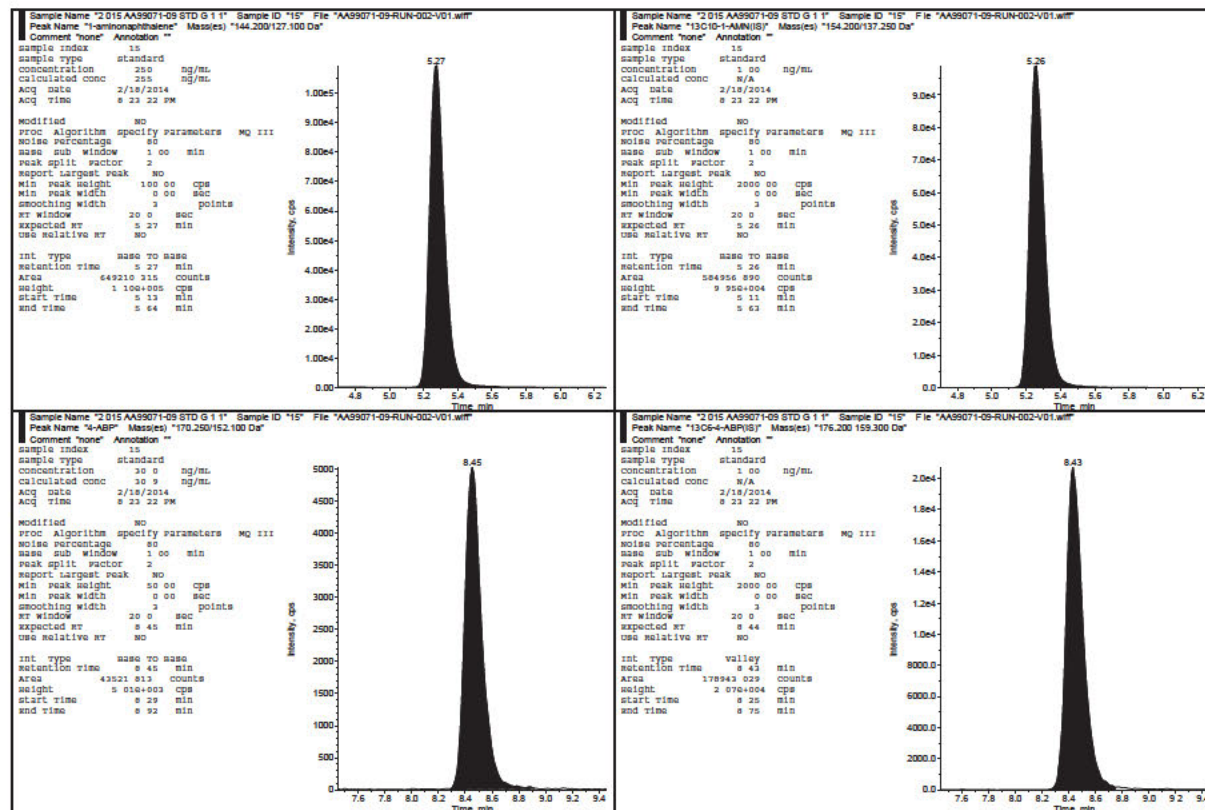
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Celerion Study AA99071-09







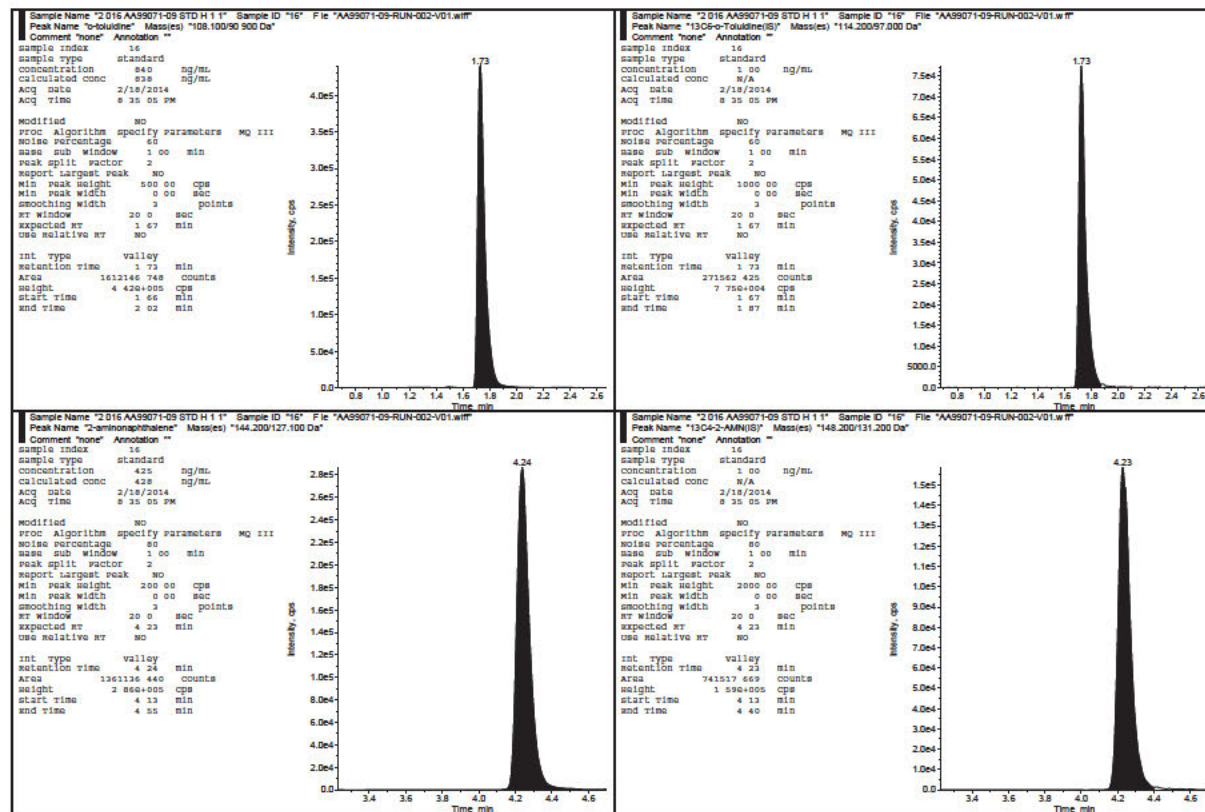
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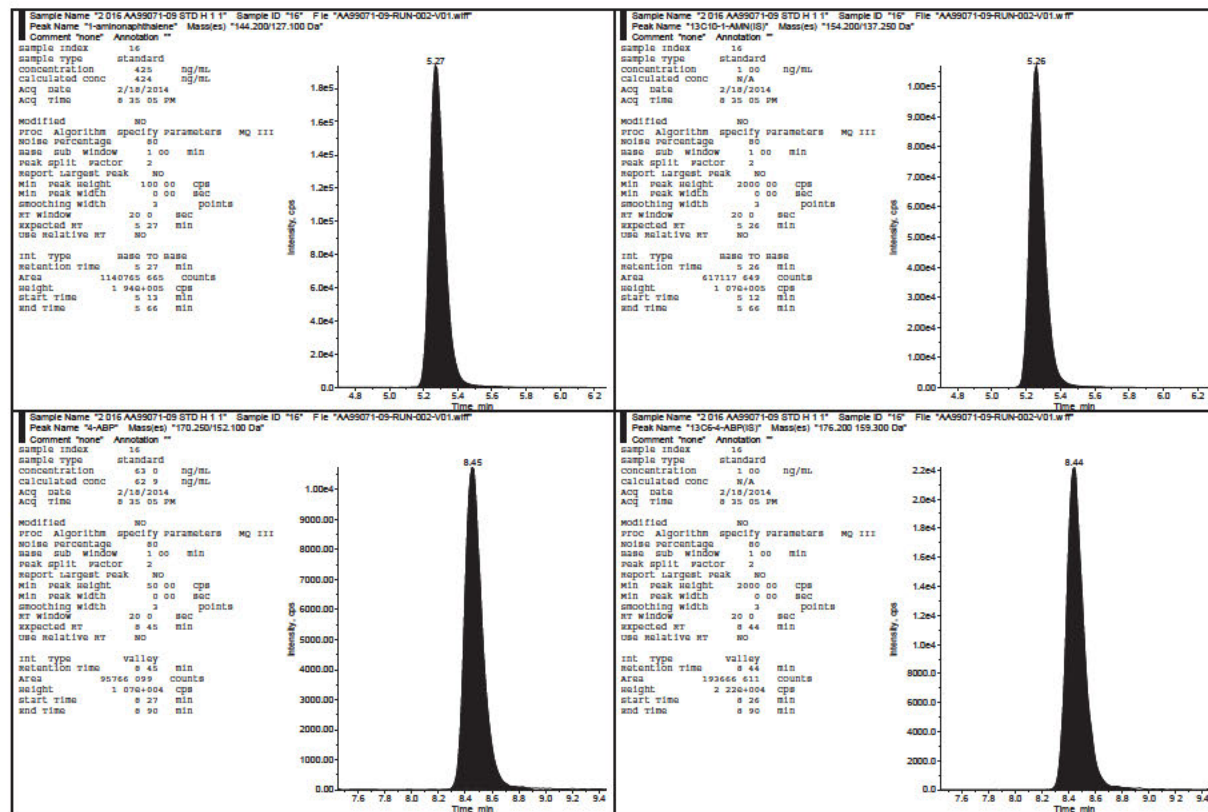


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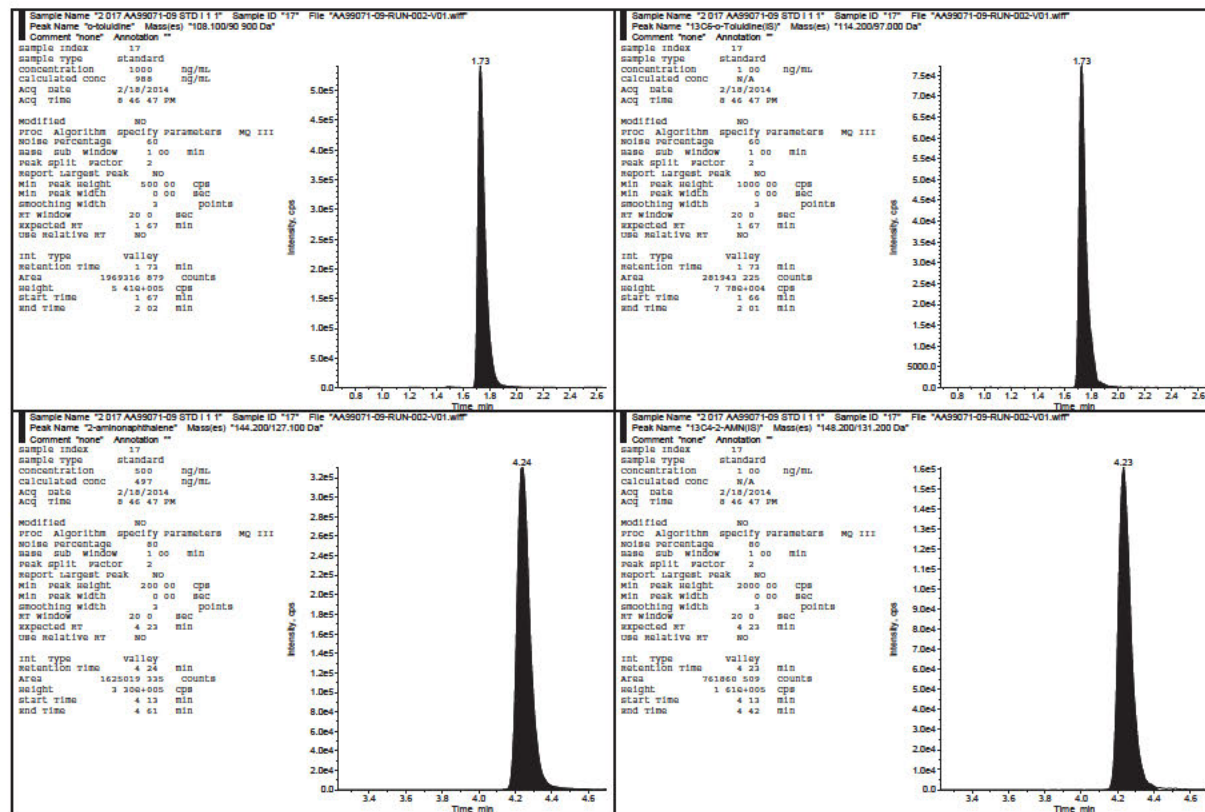


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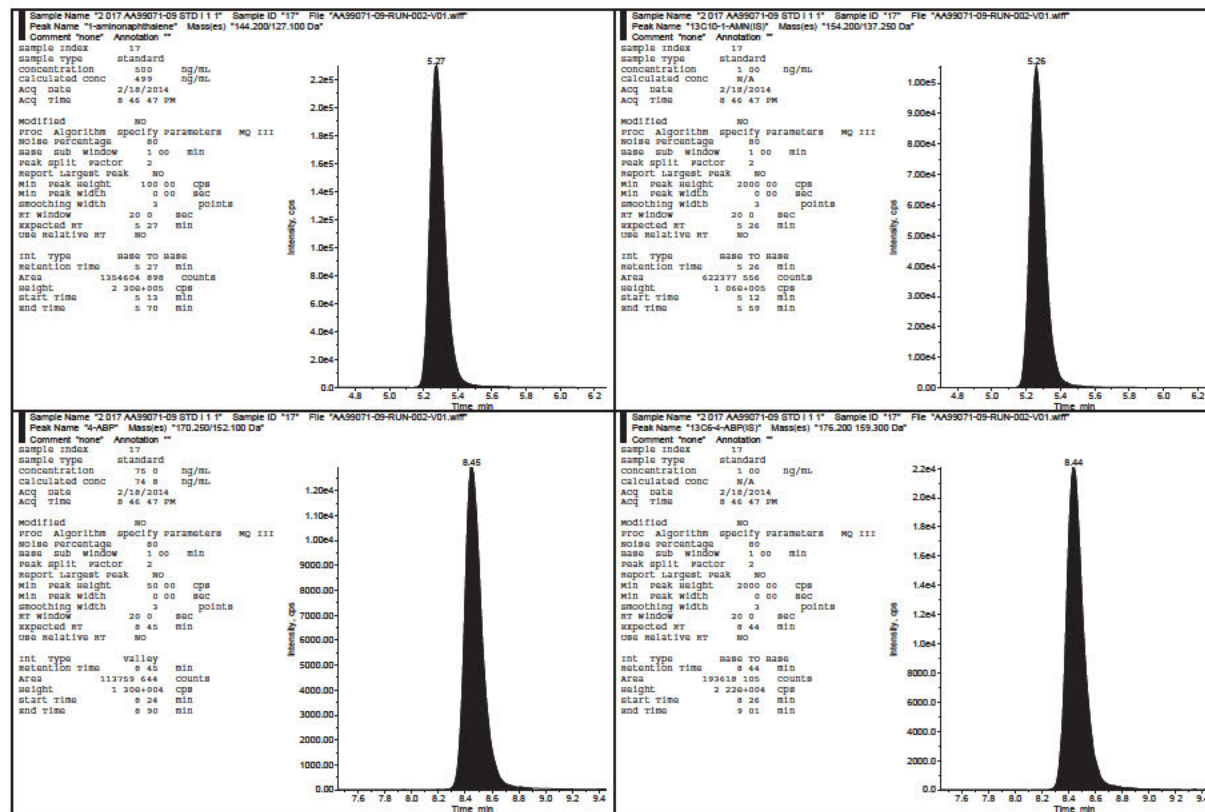


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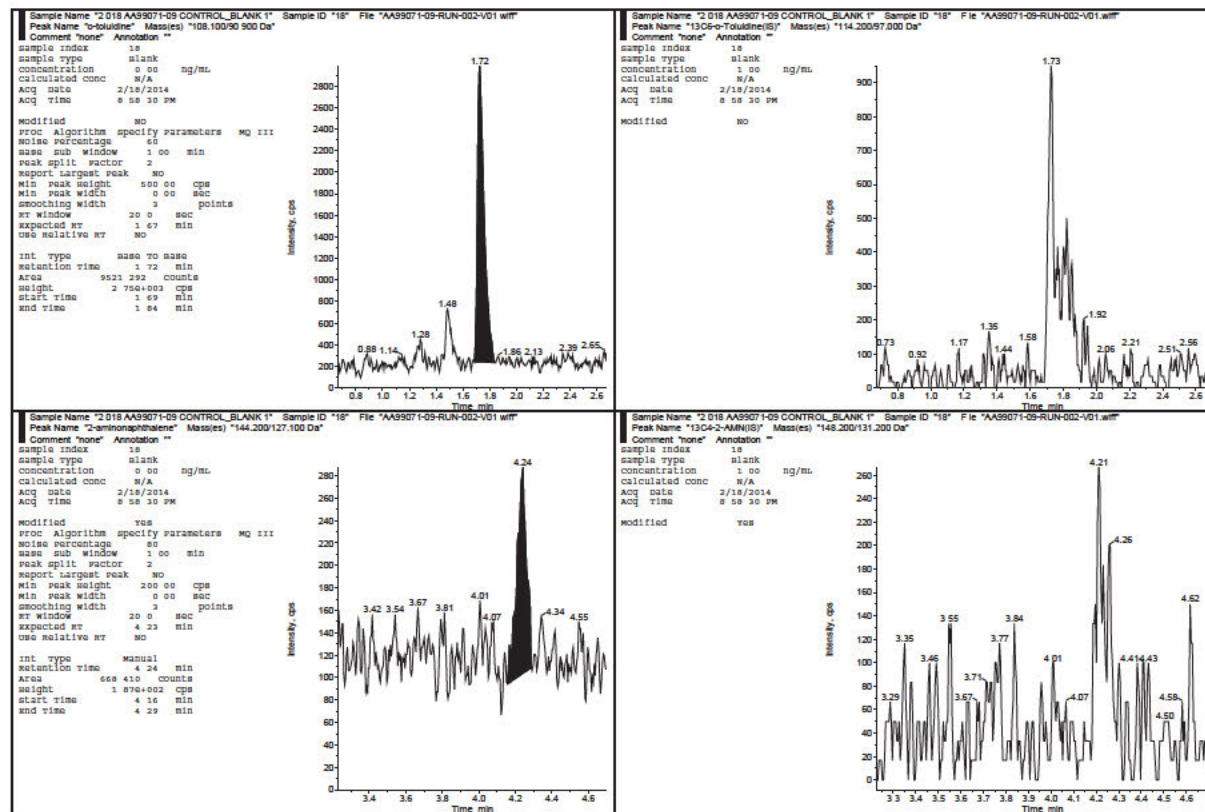
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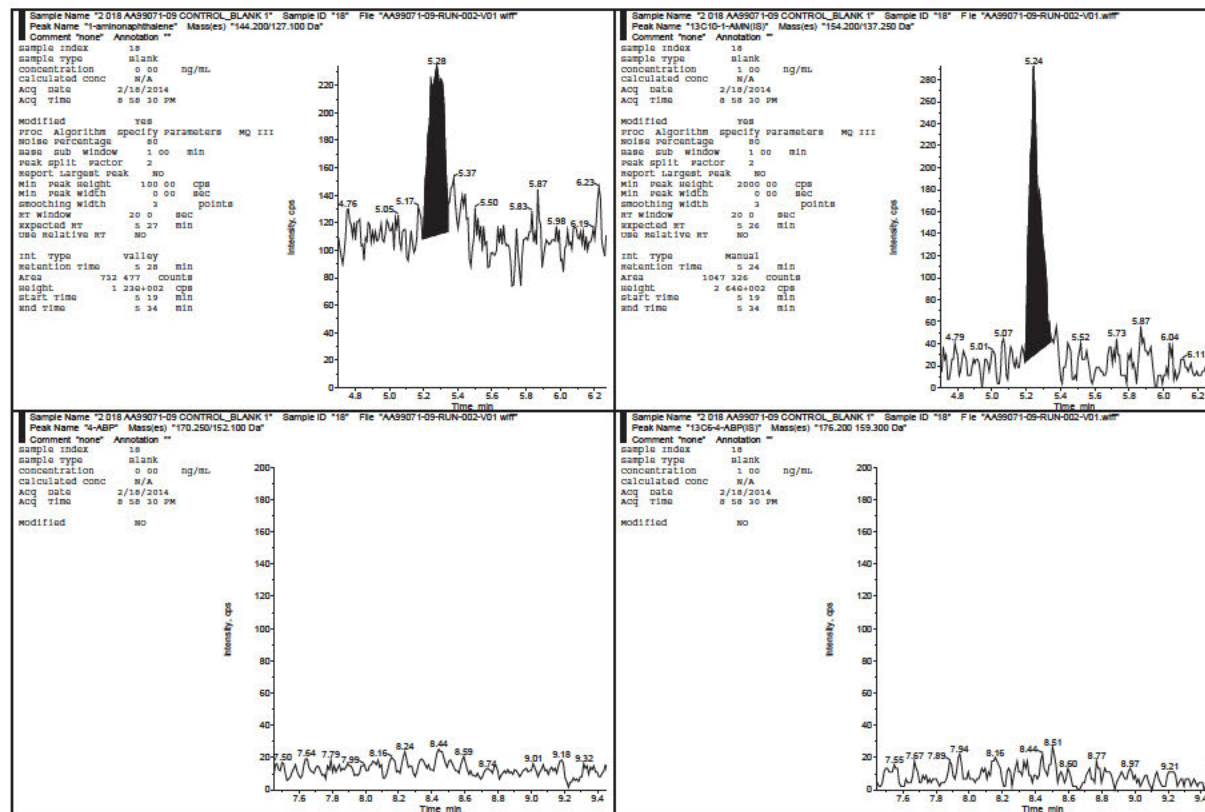
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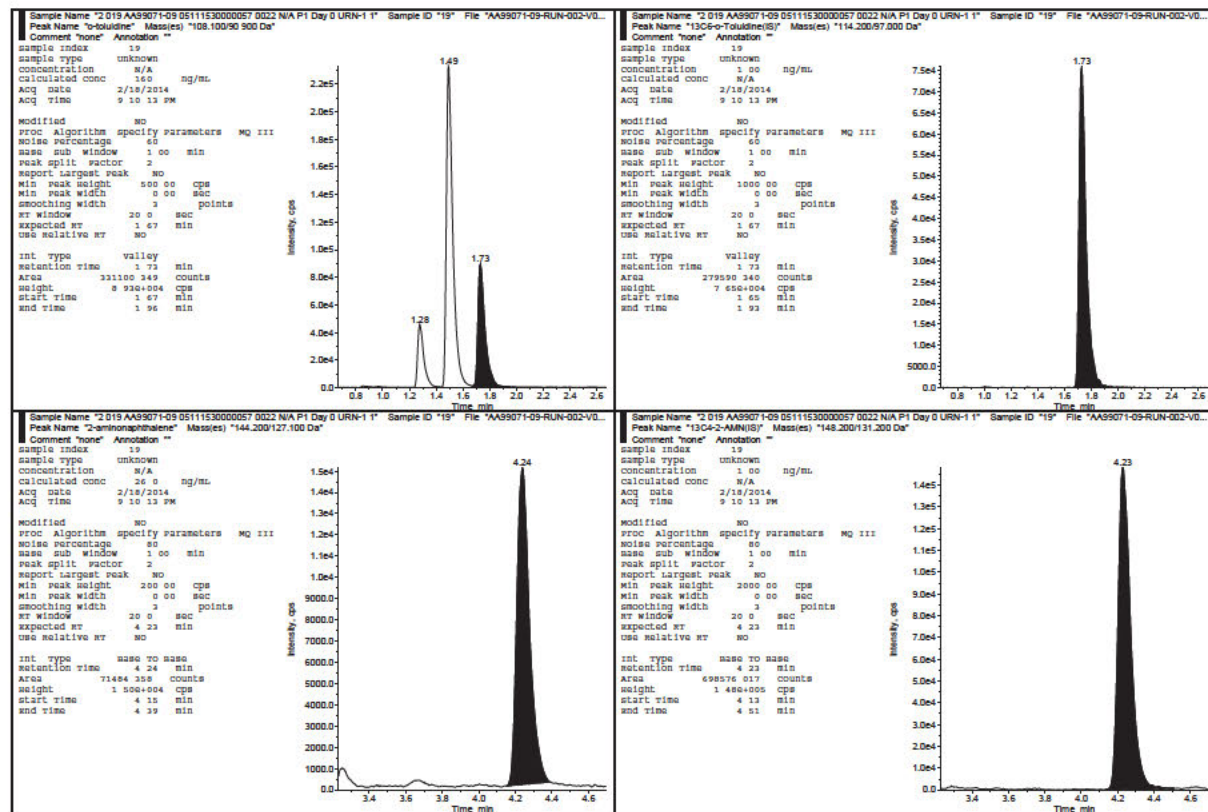


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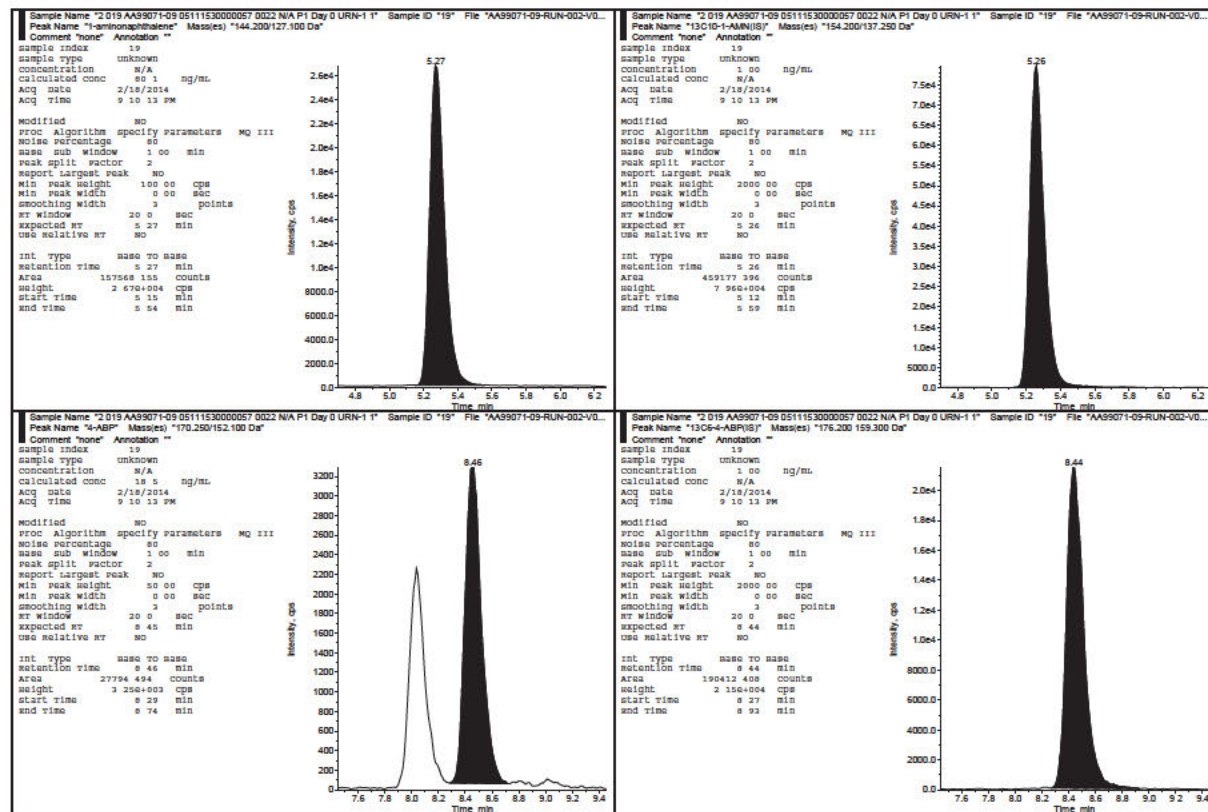


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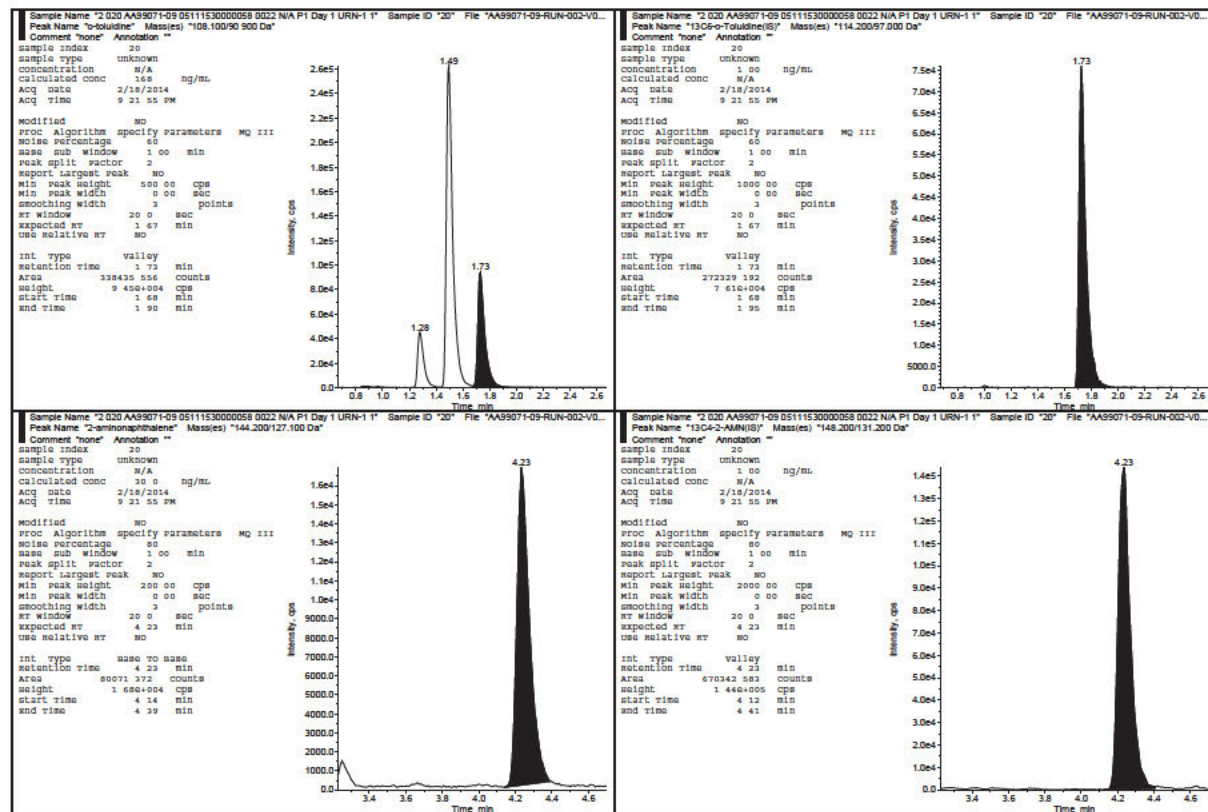


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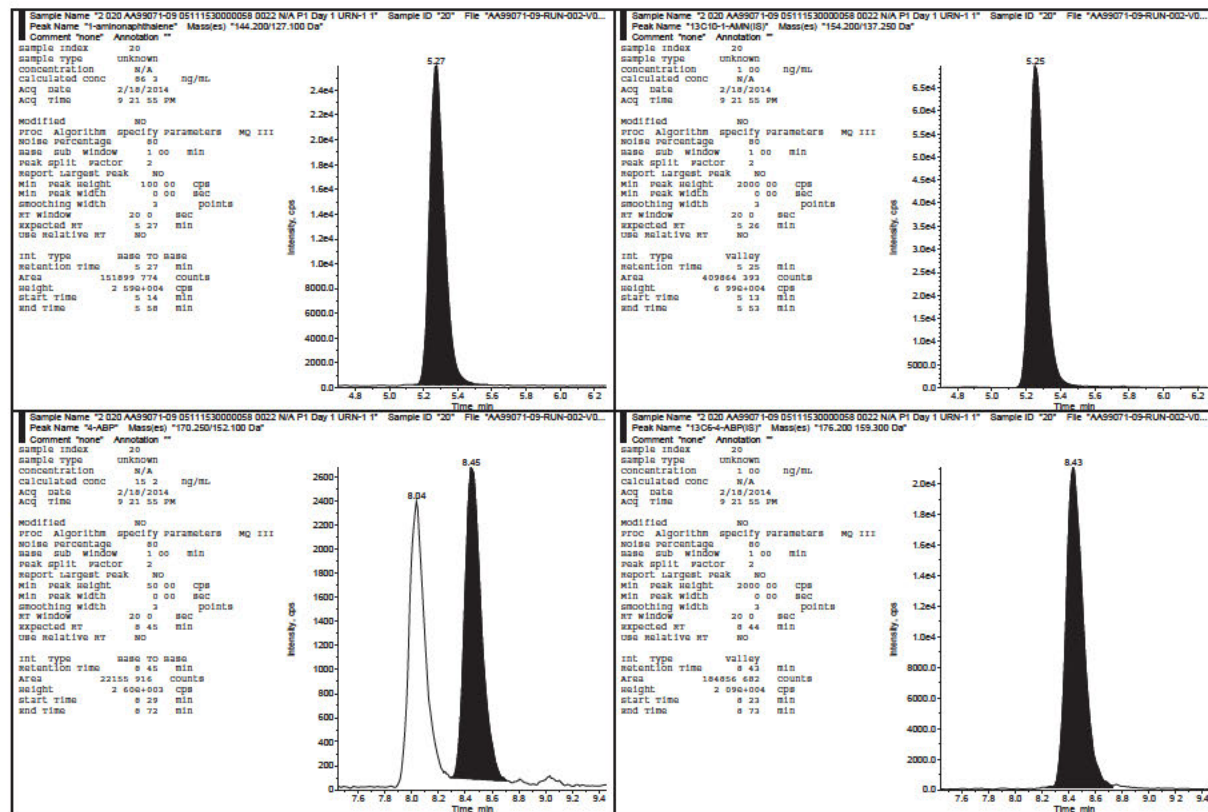
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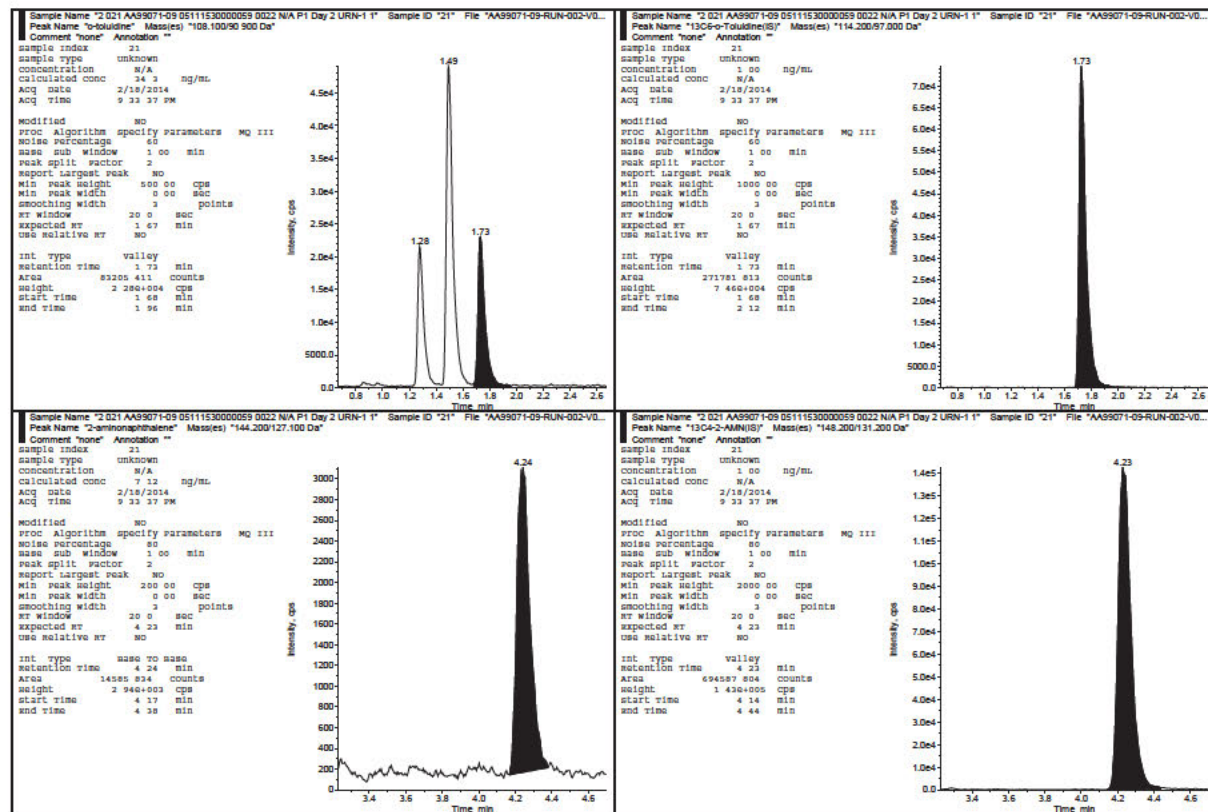
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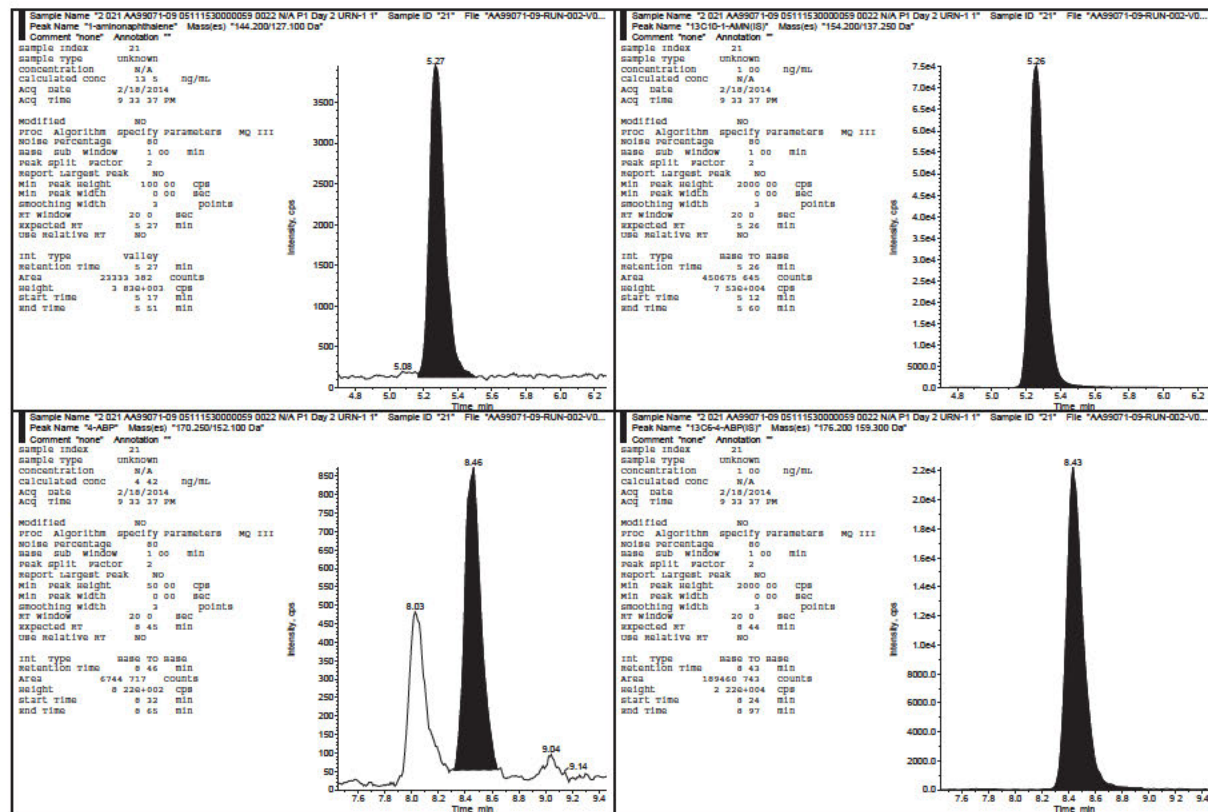


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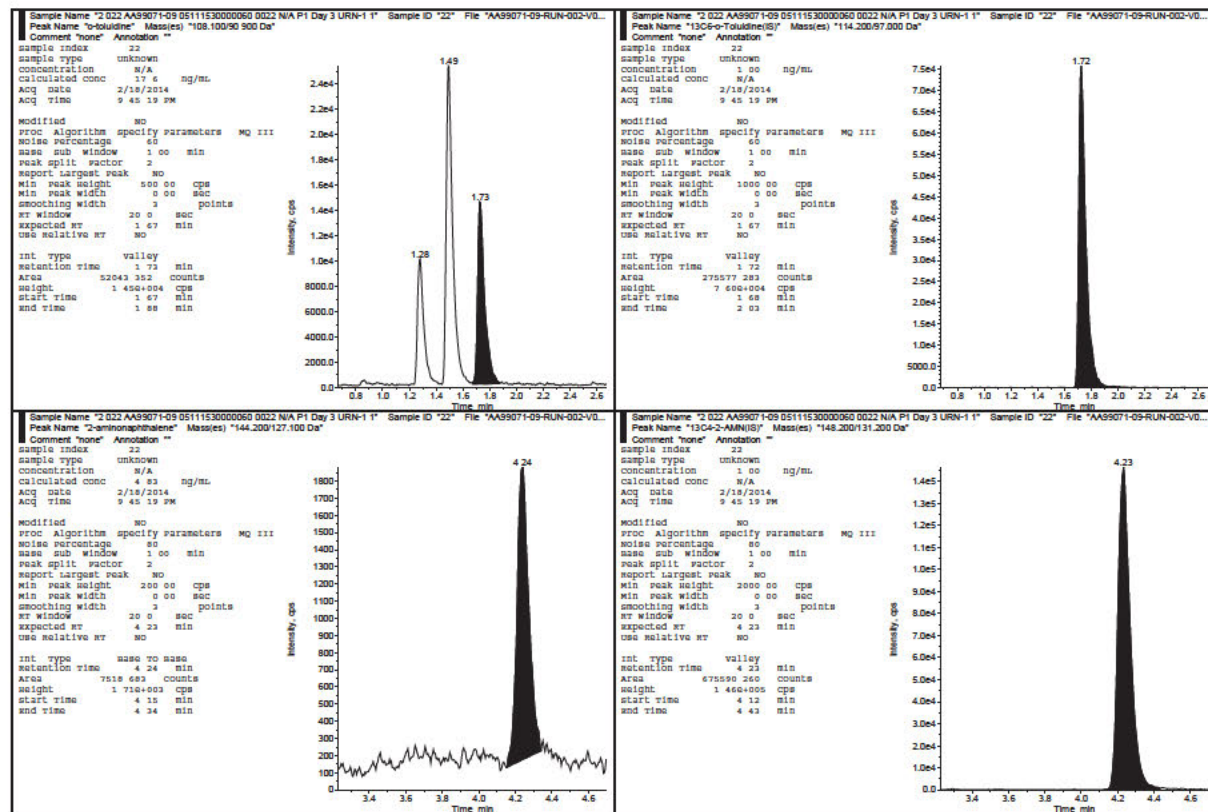


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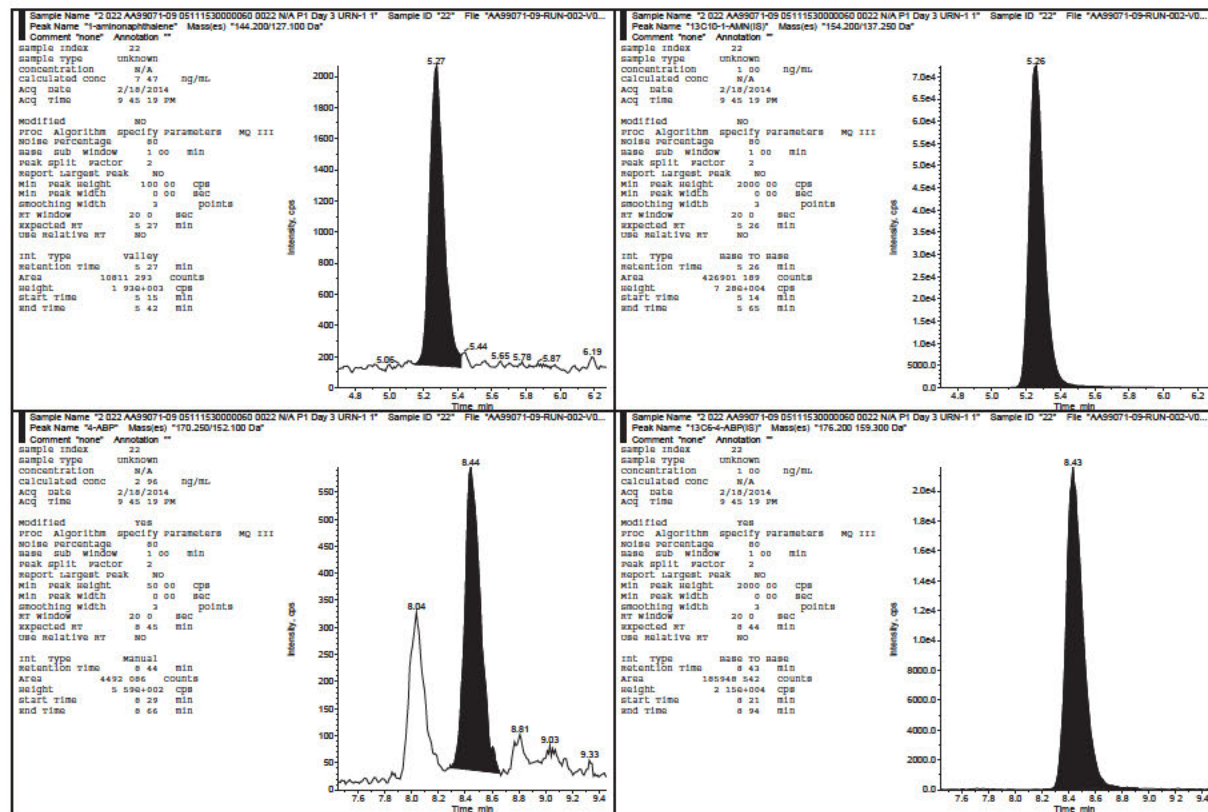


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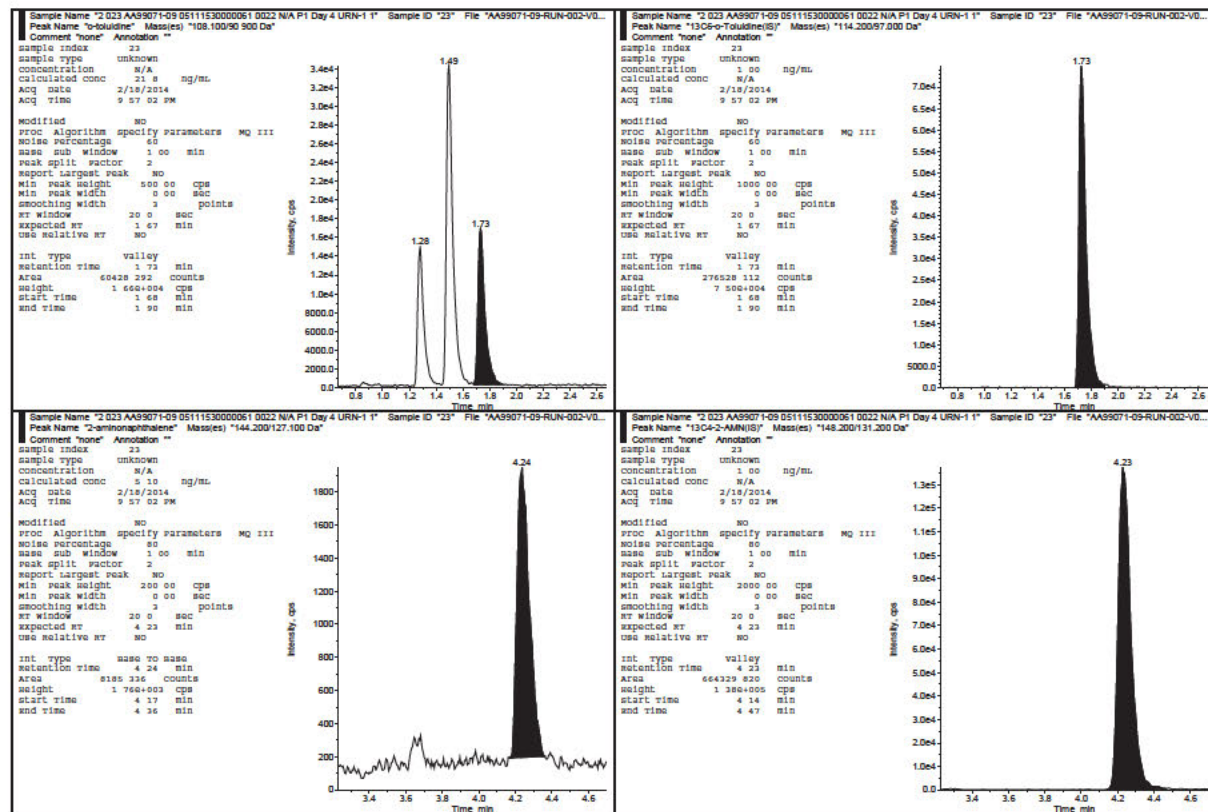
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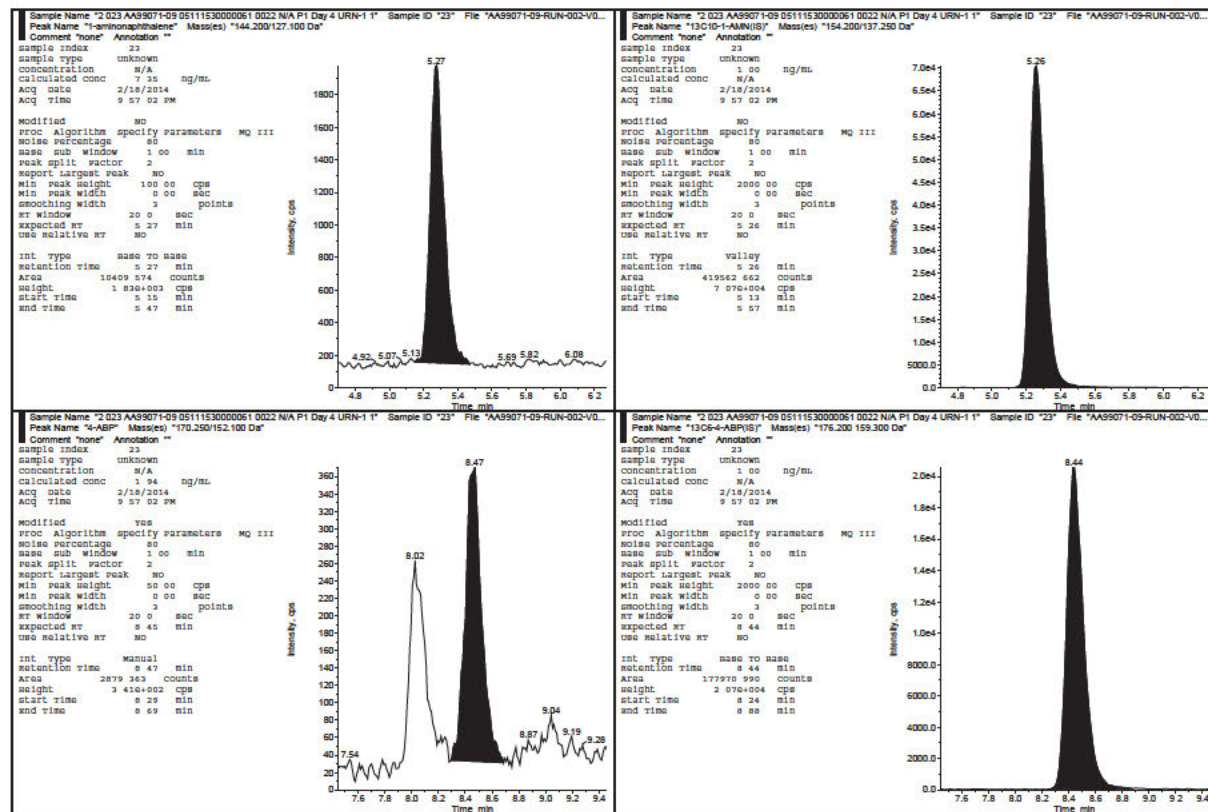
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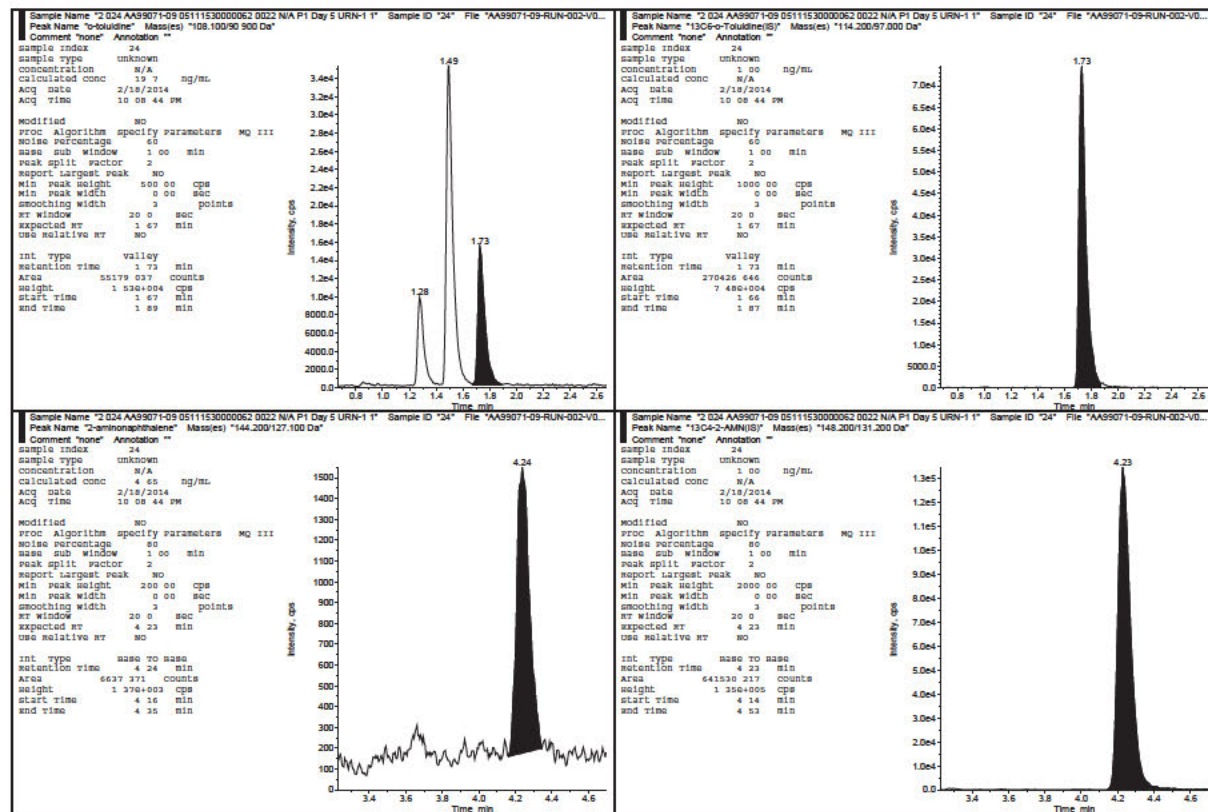


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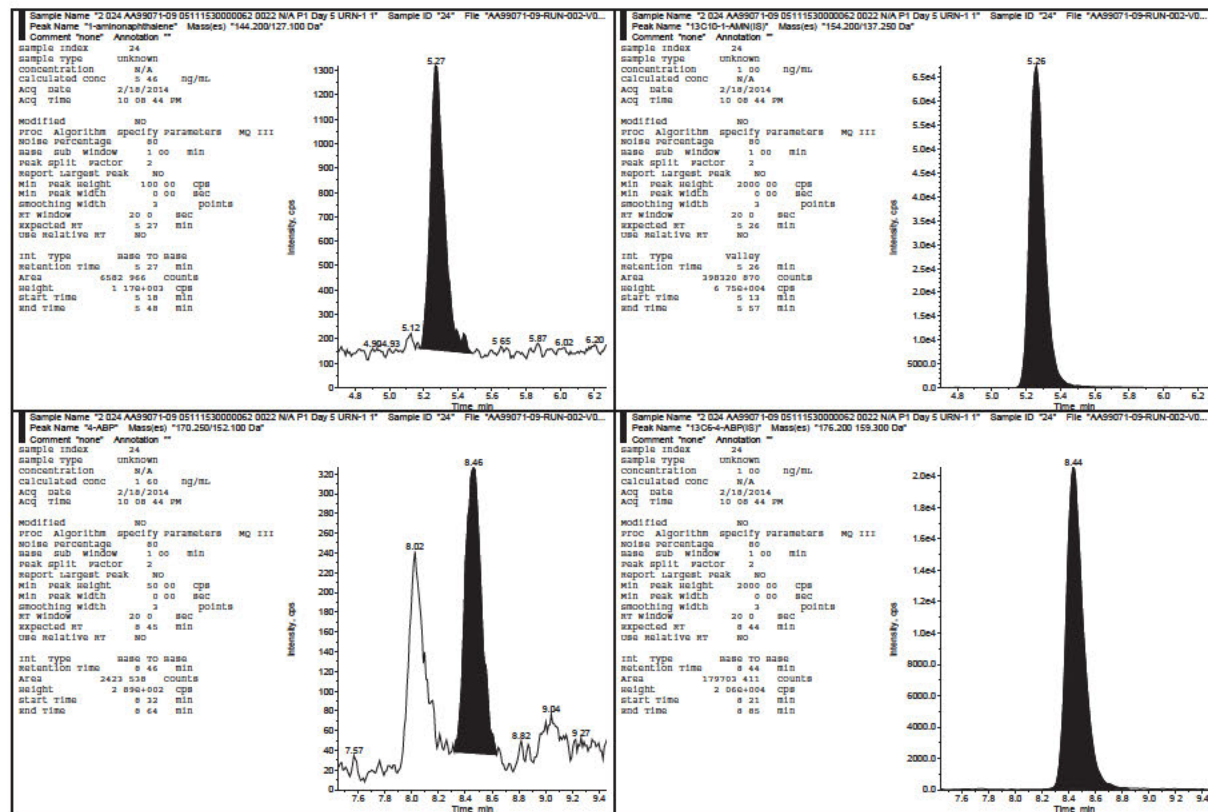


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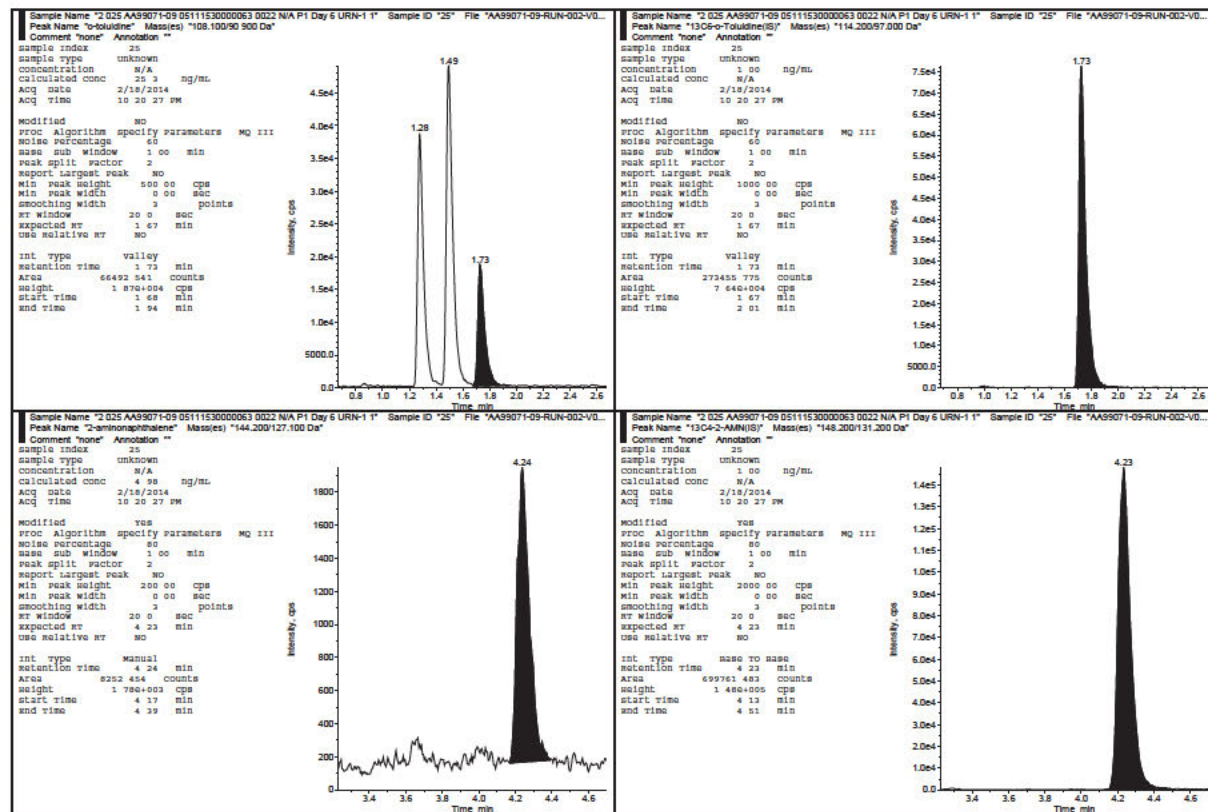


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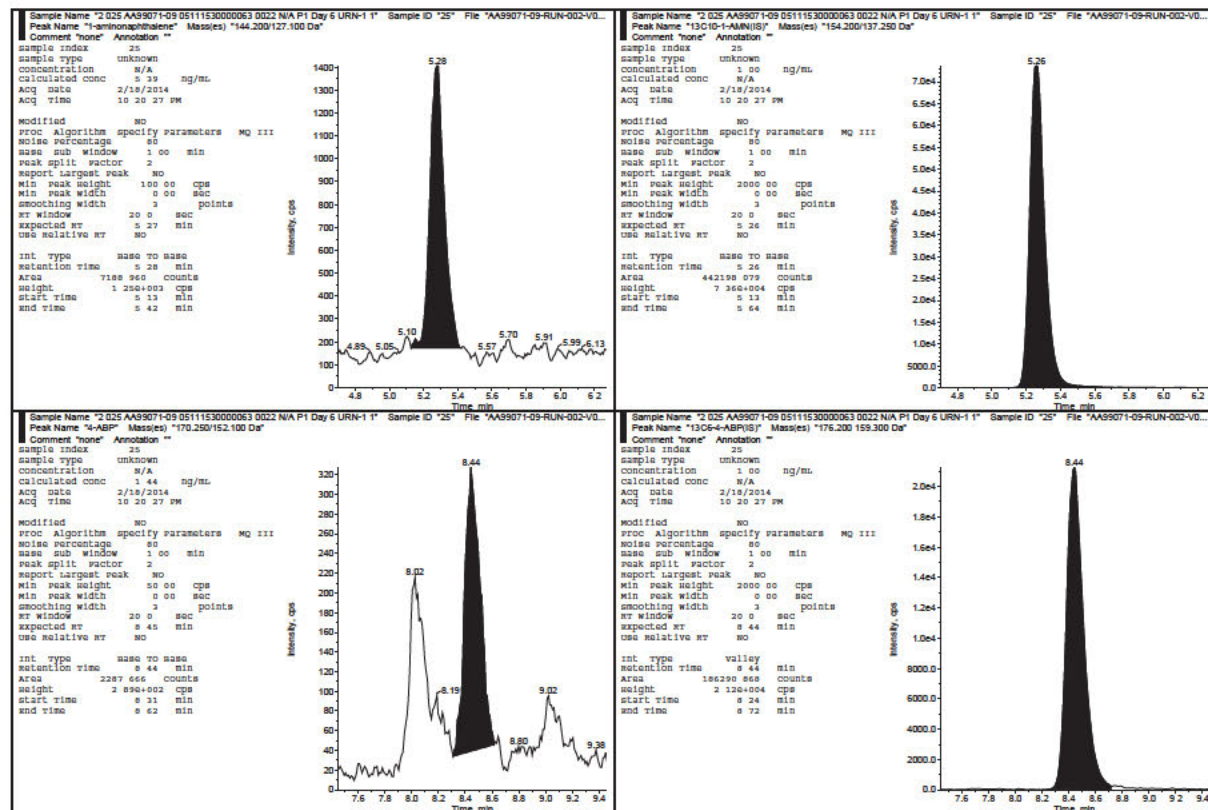
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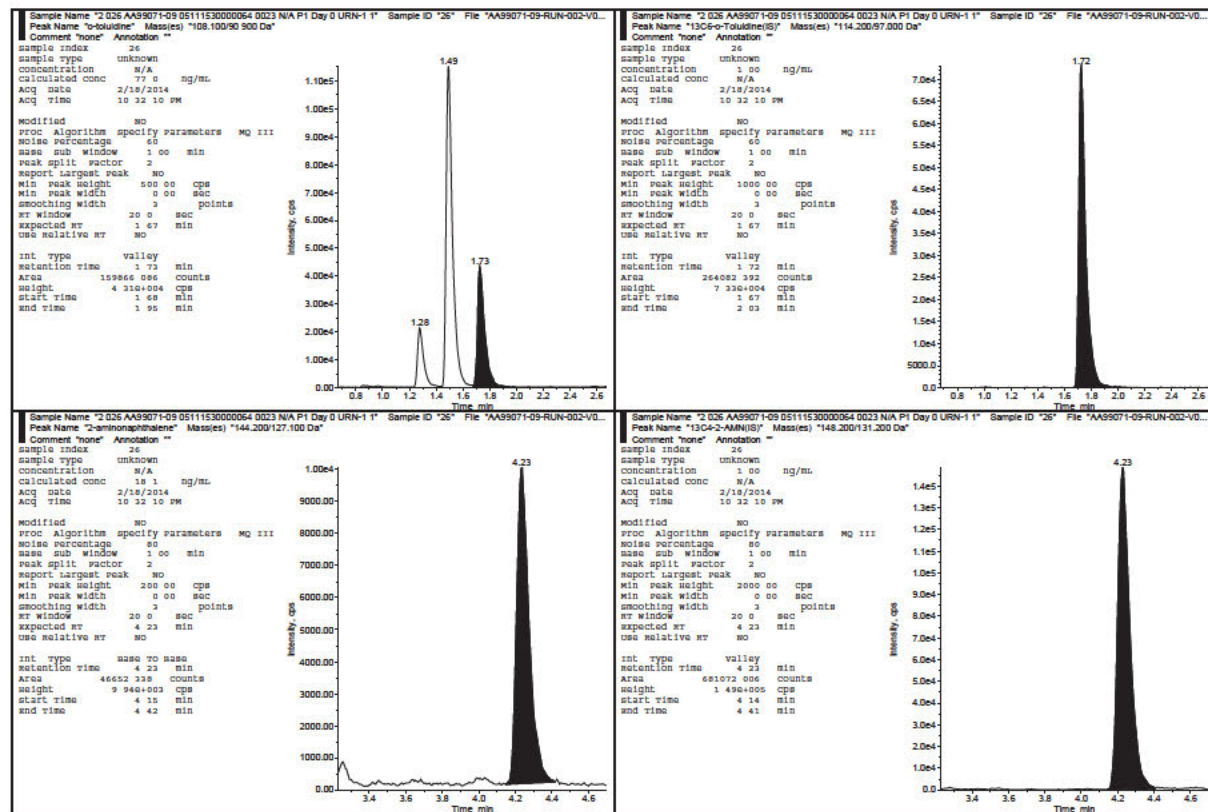
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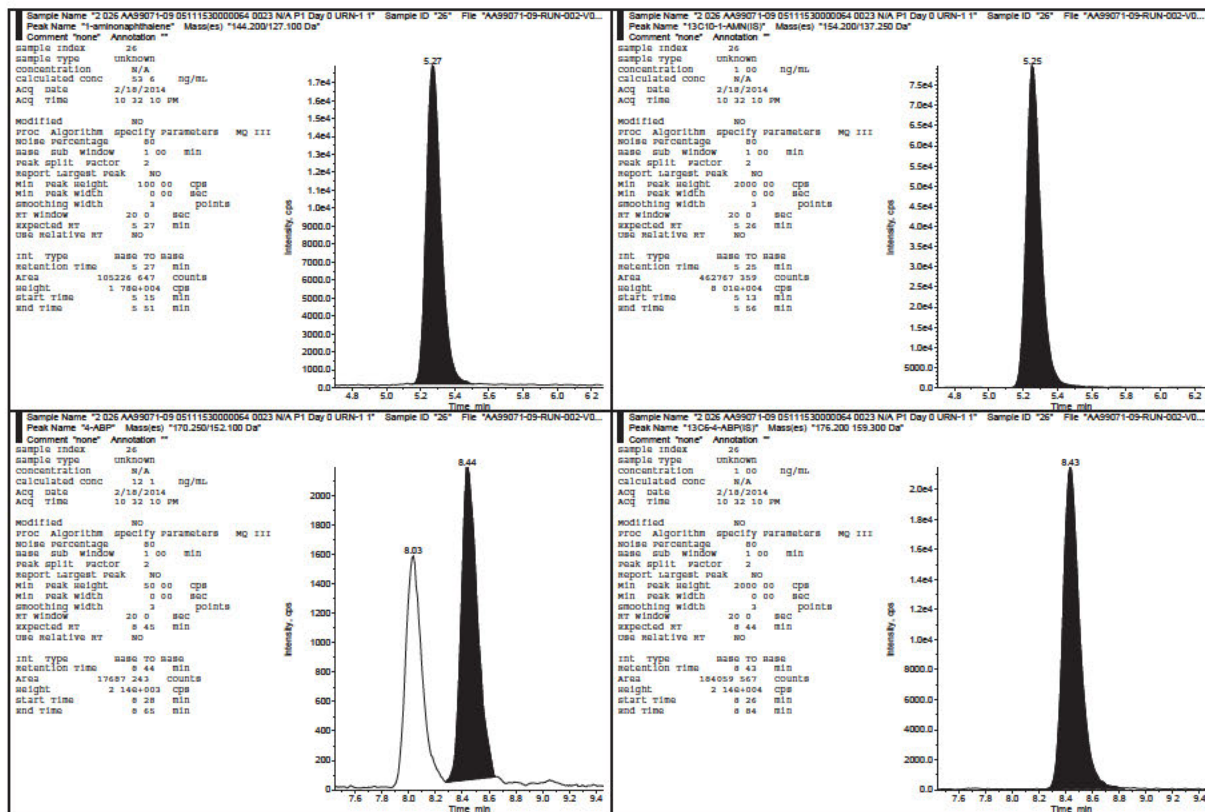


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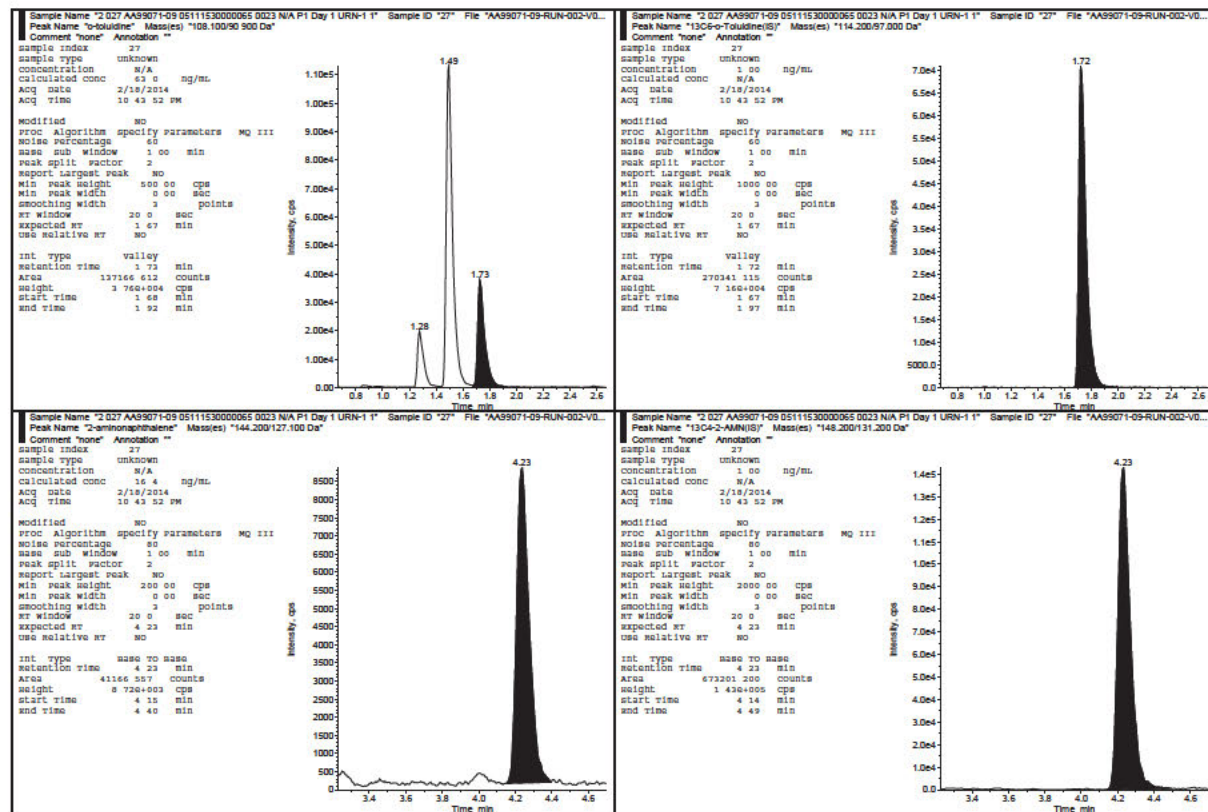


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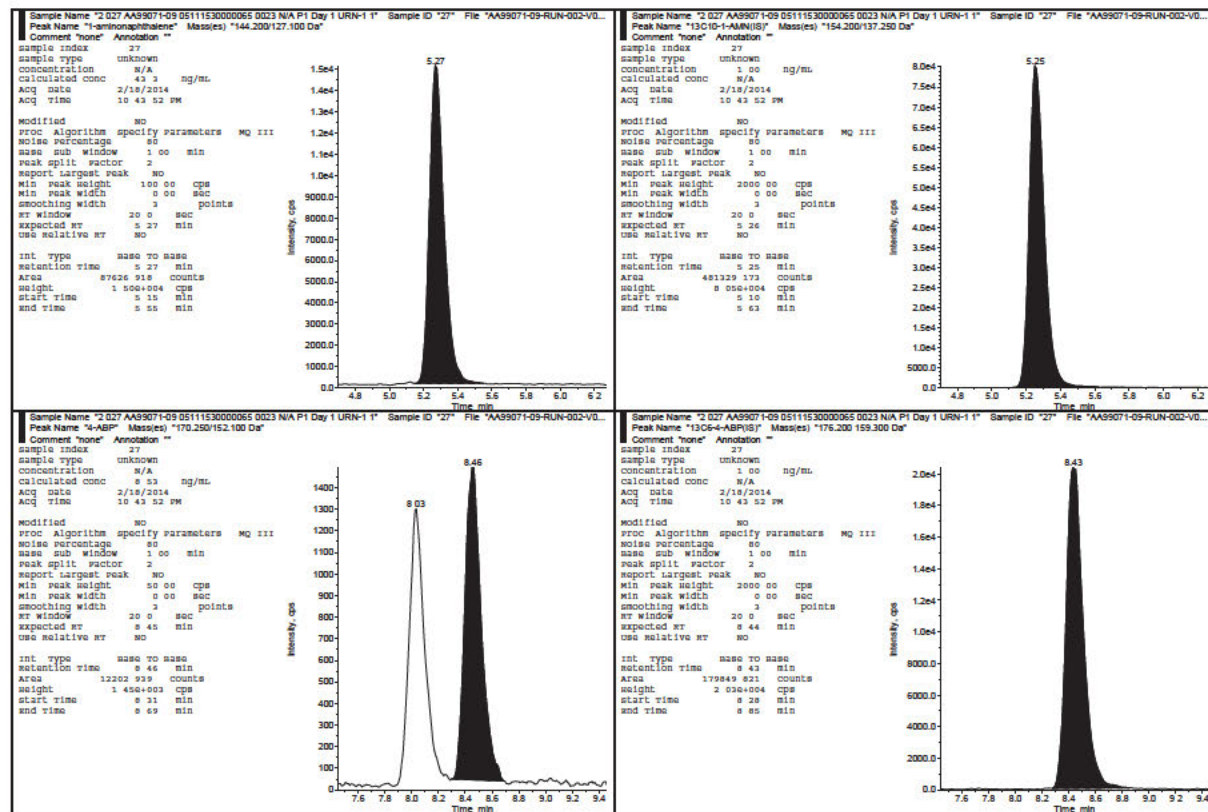


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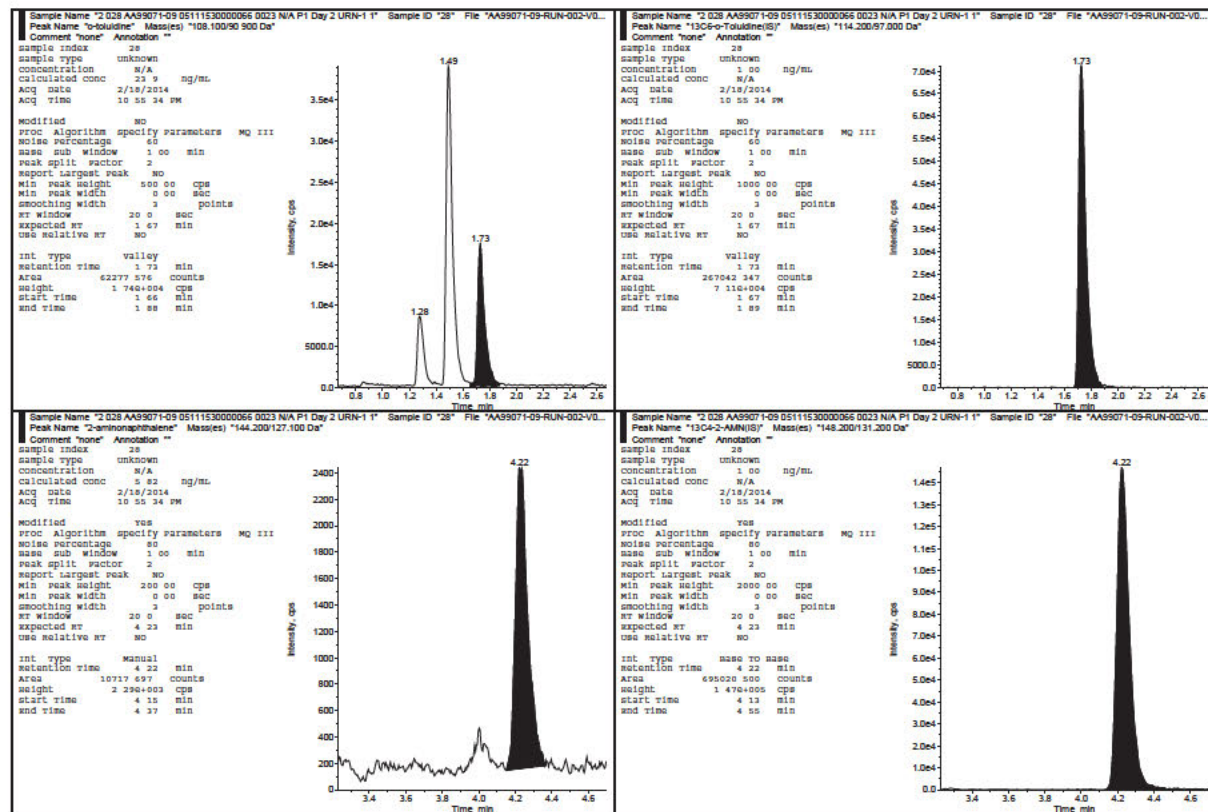
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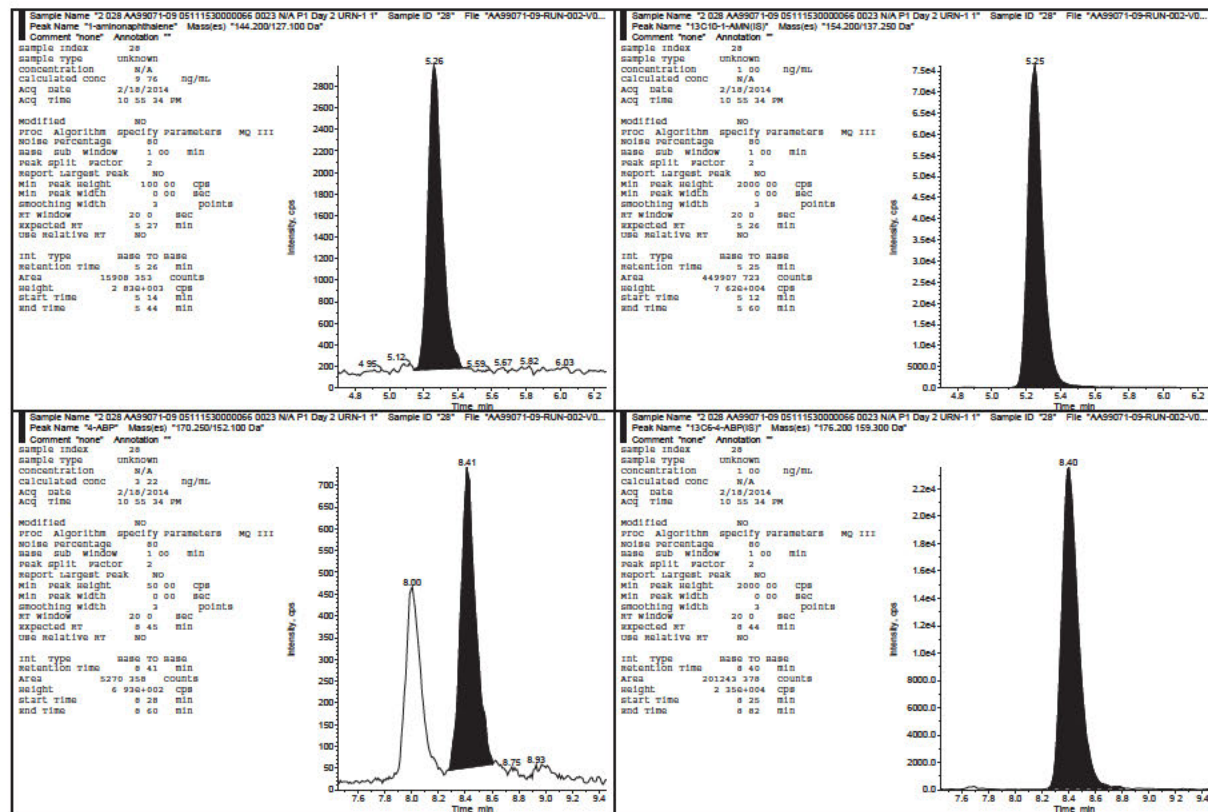
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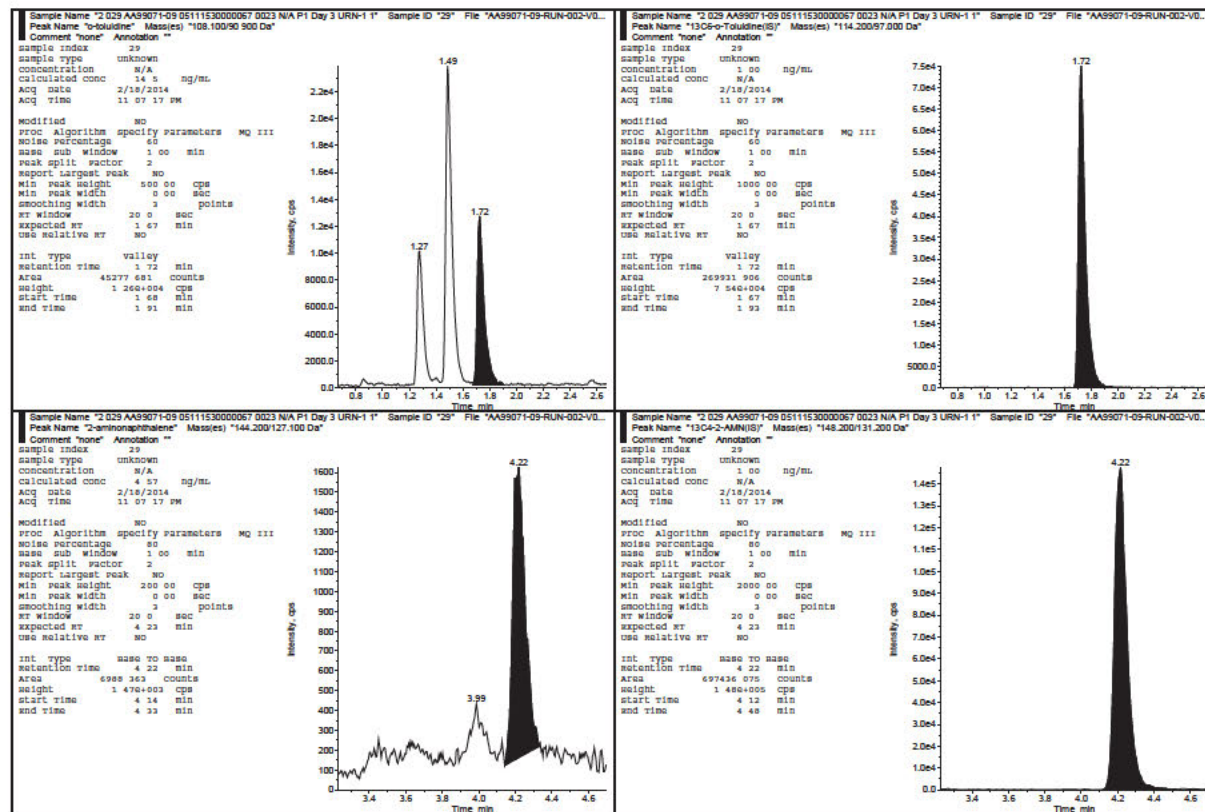


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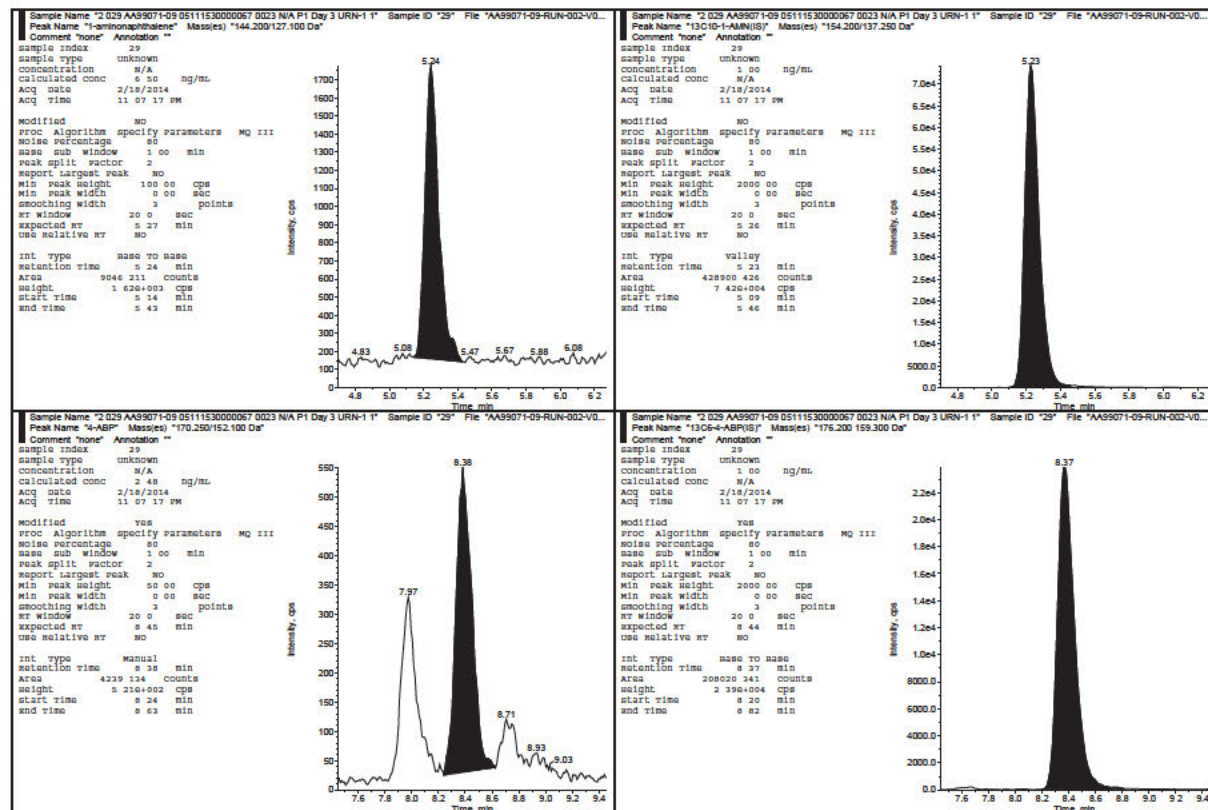


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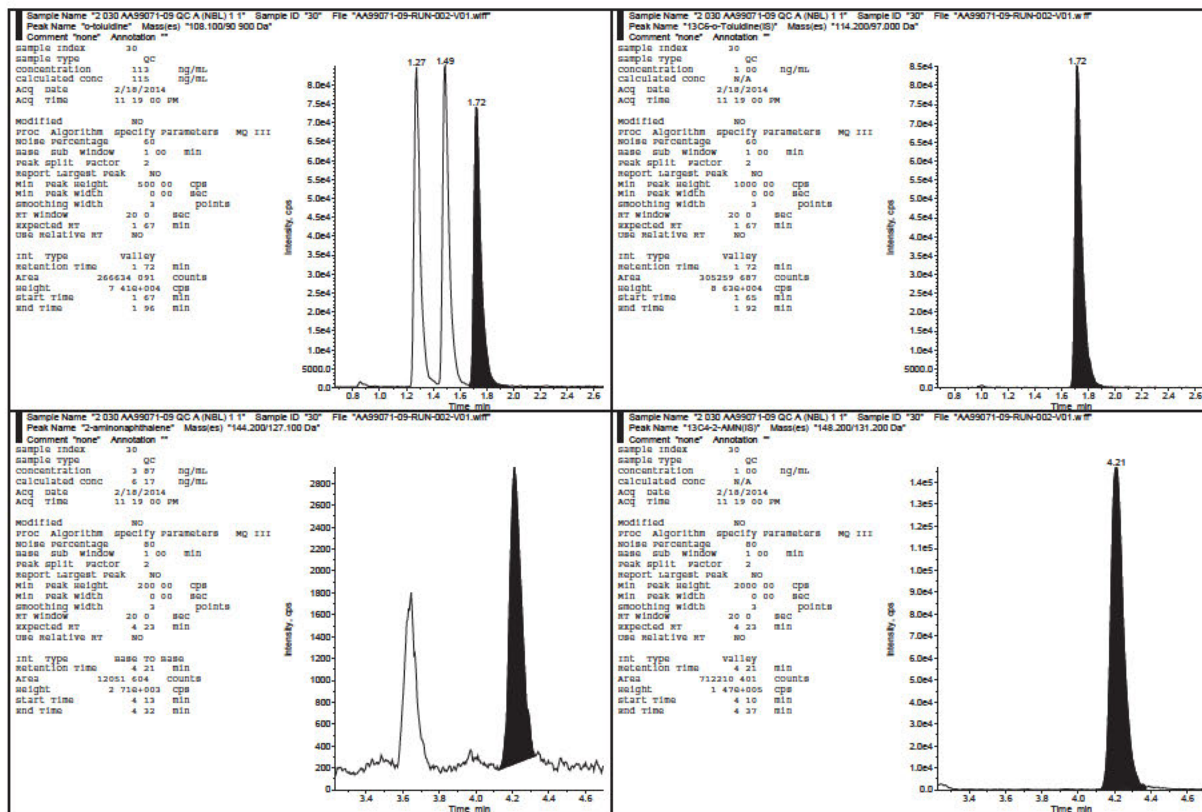


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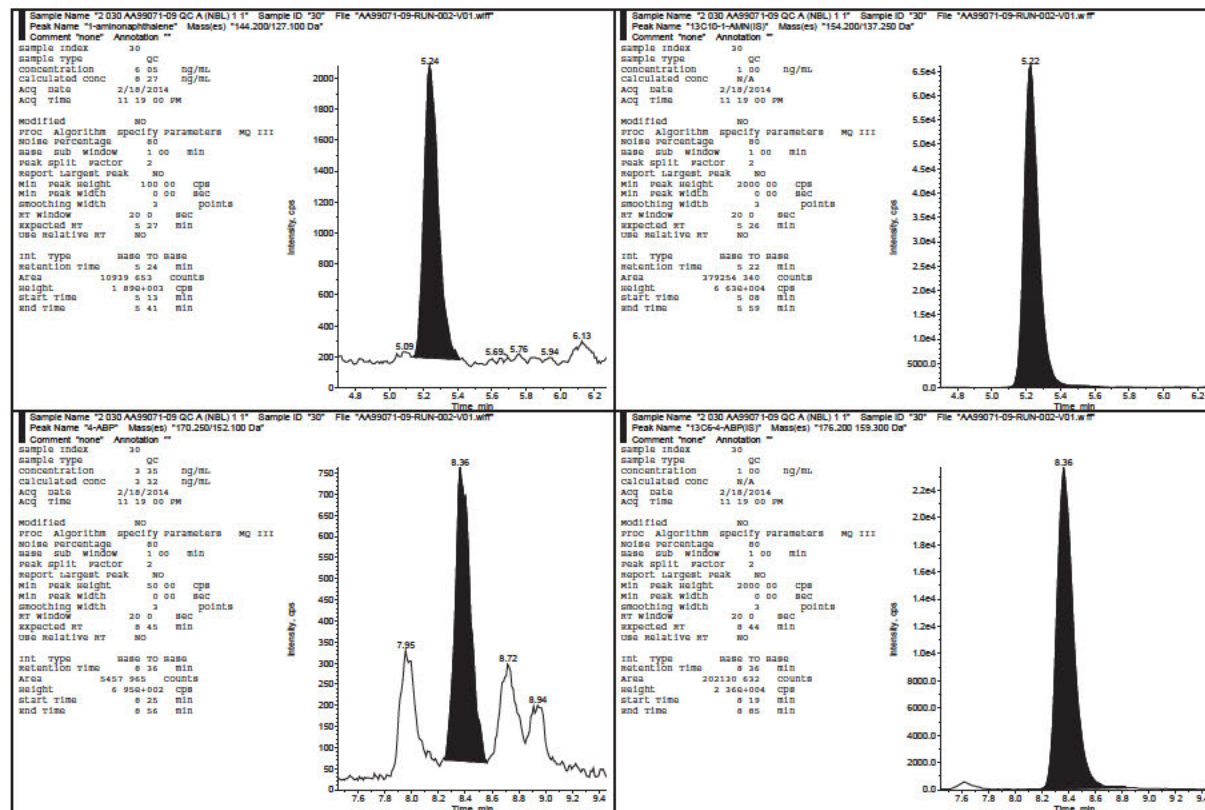
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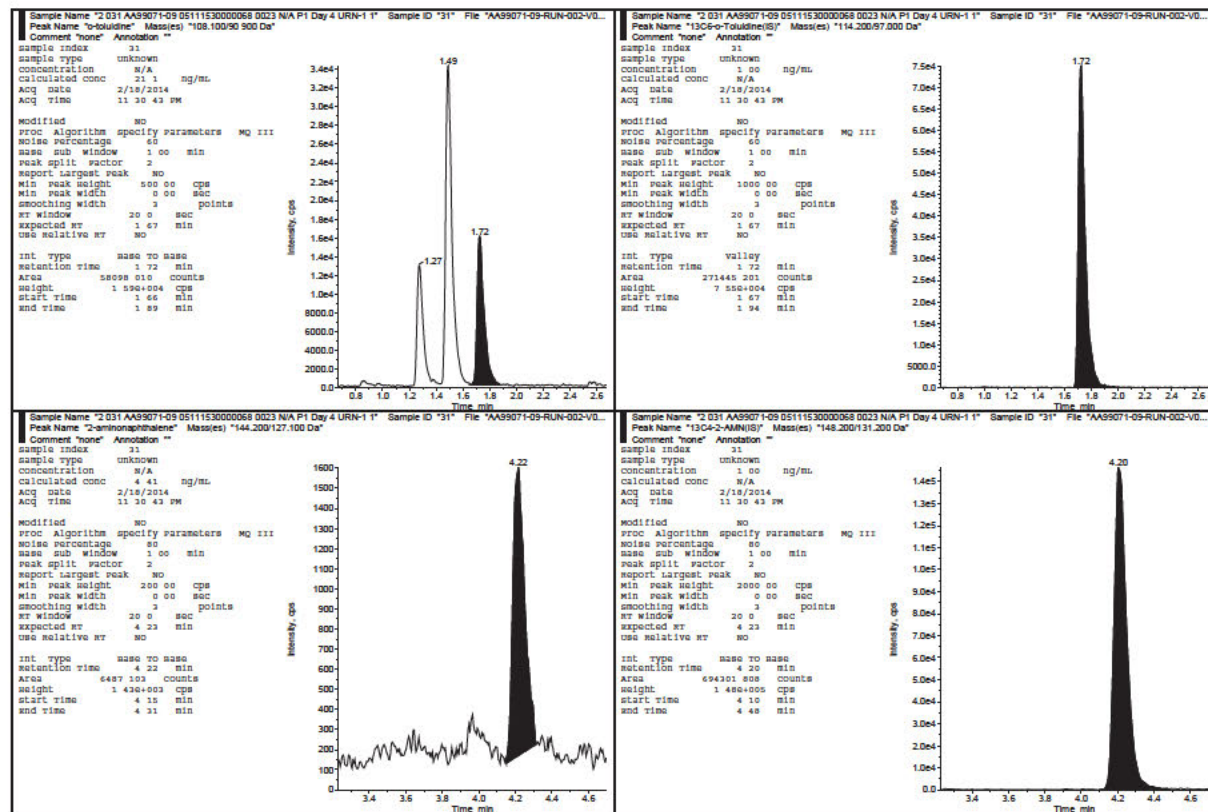
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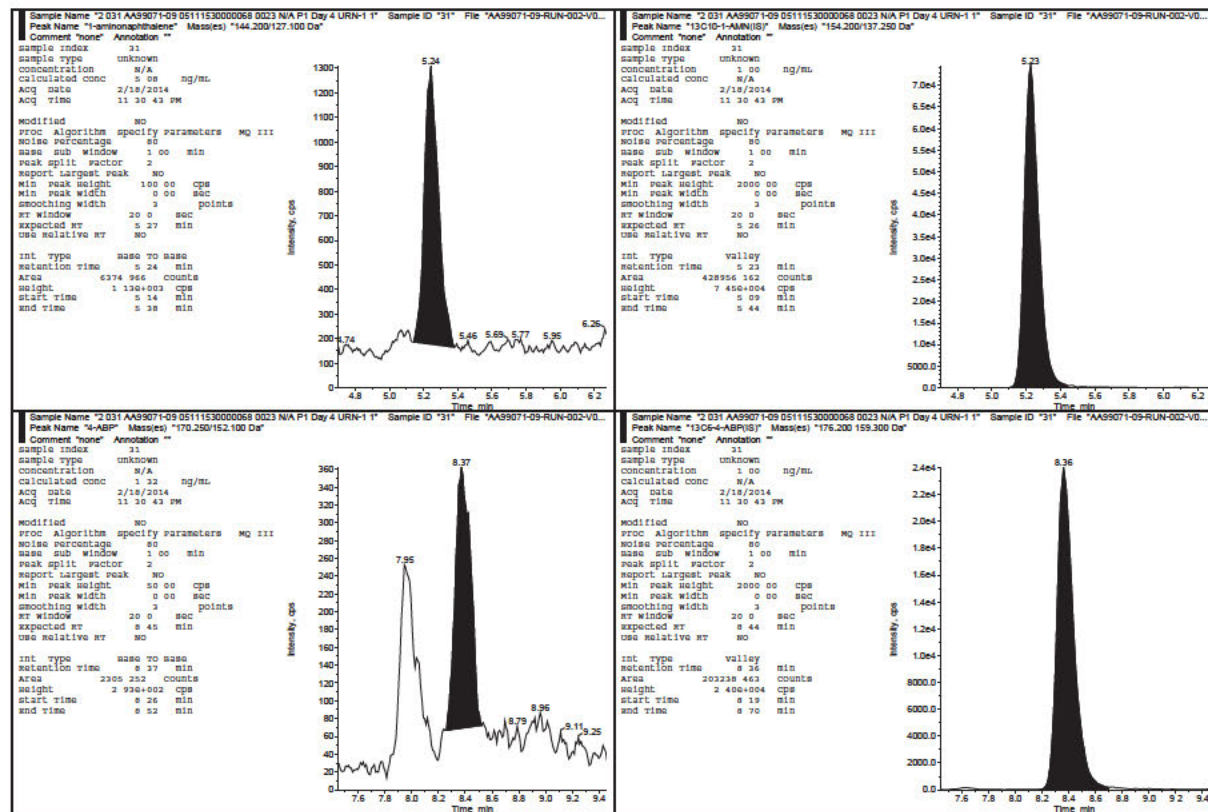


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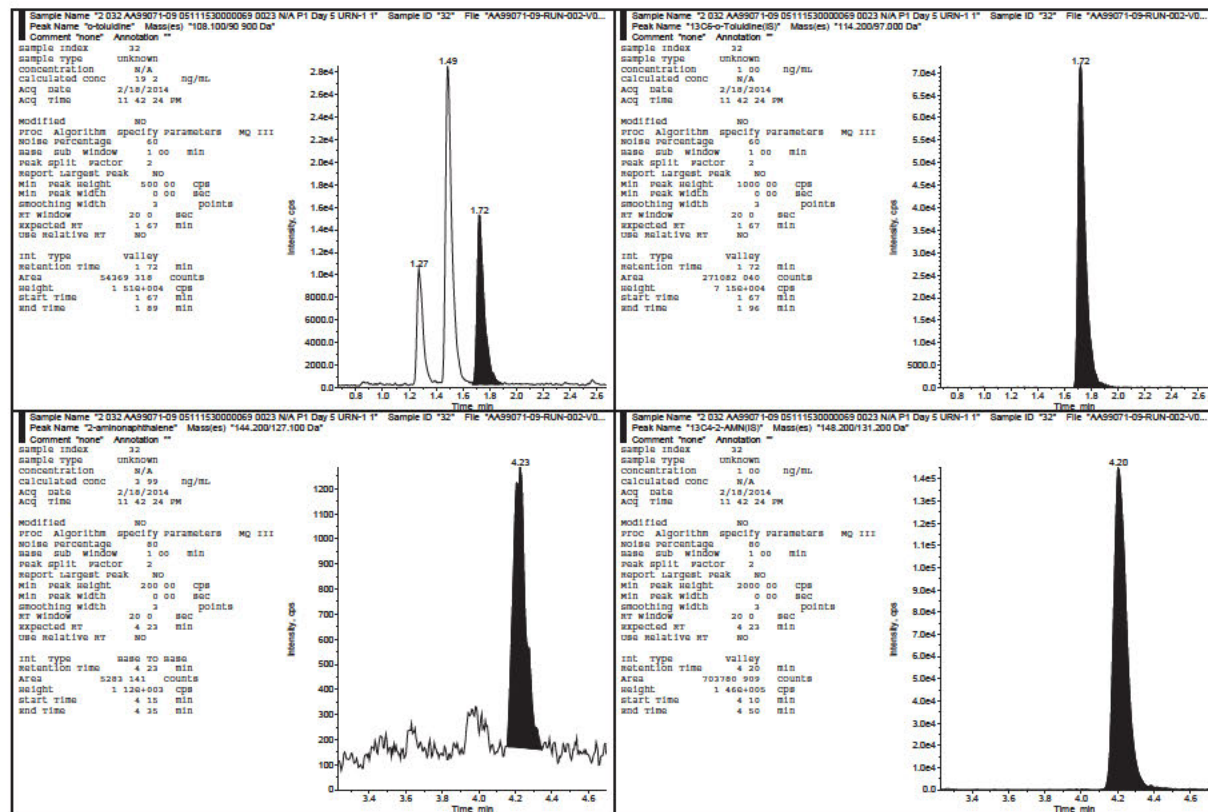


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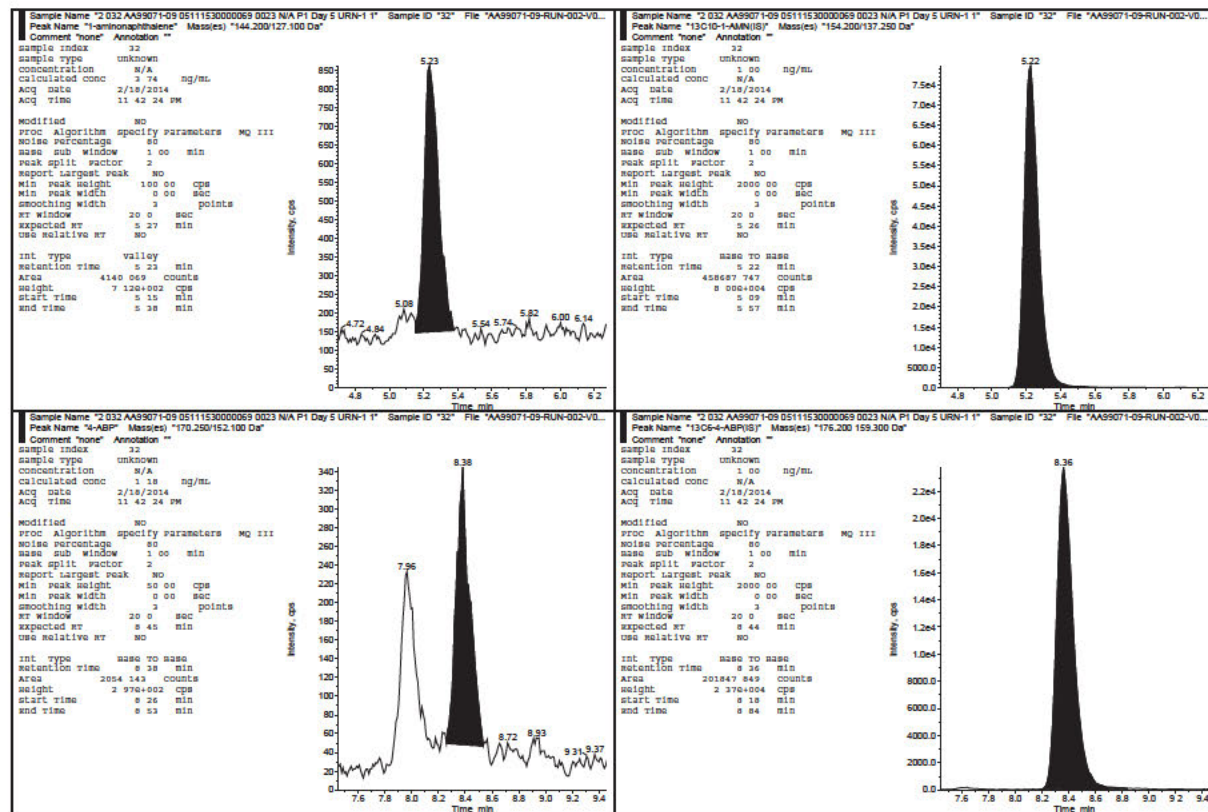


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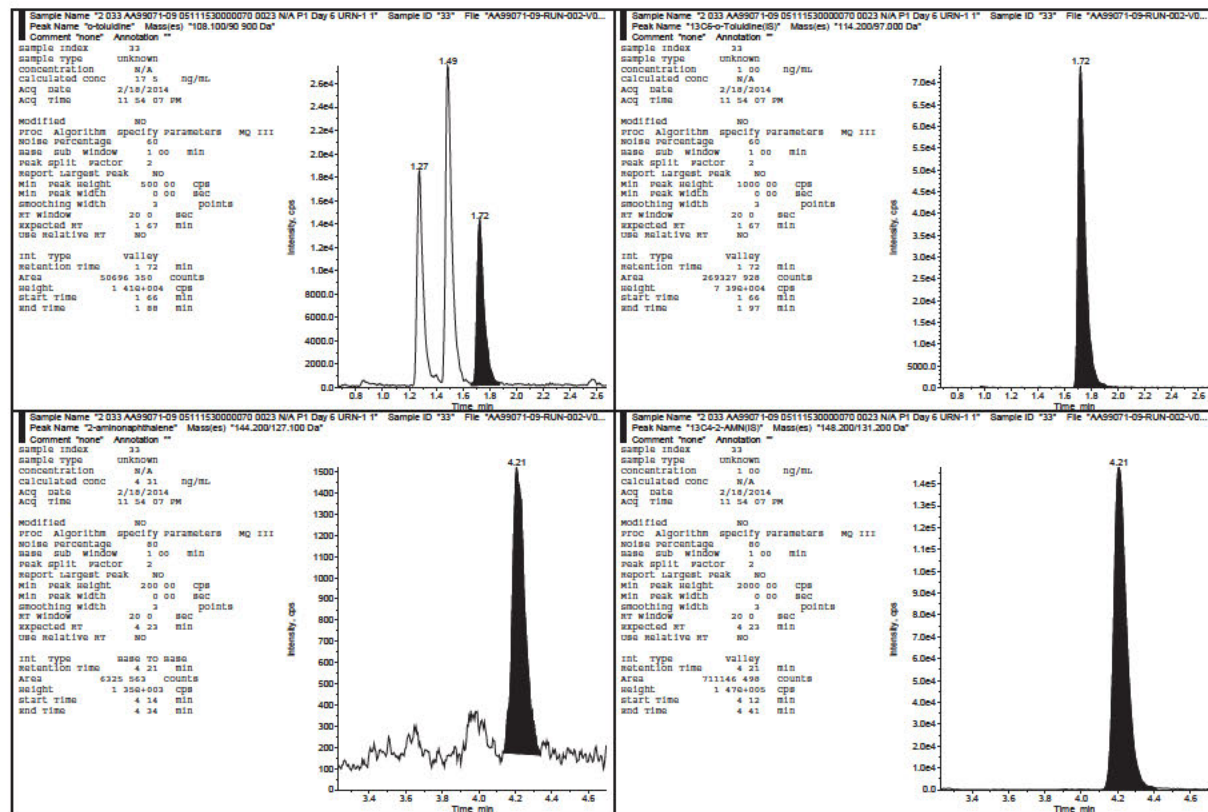
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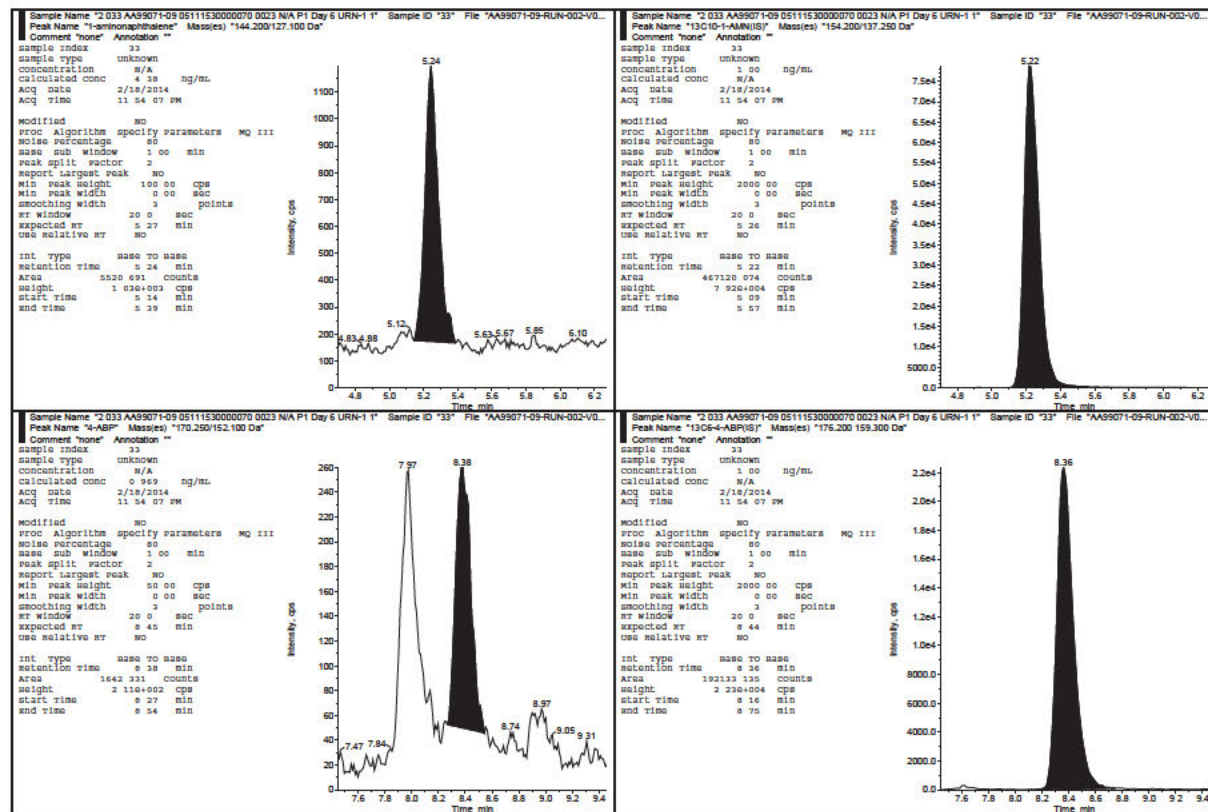
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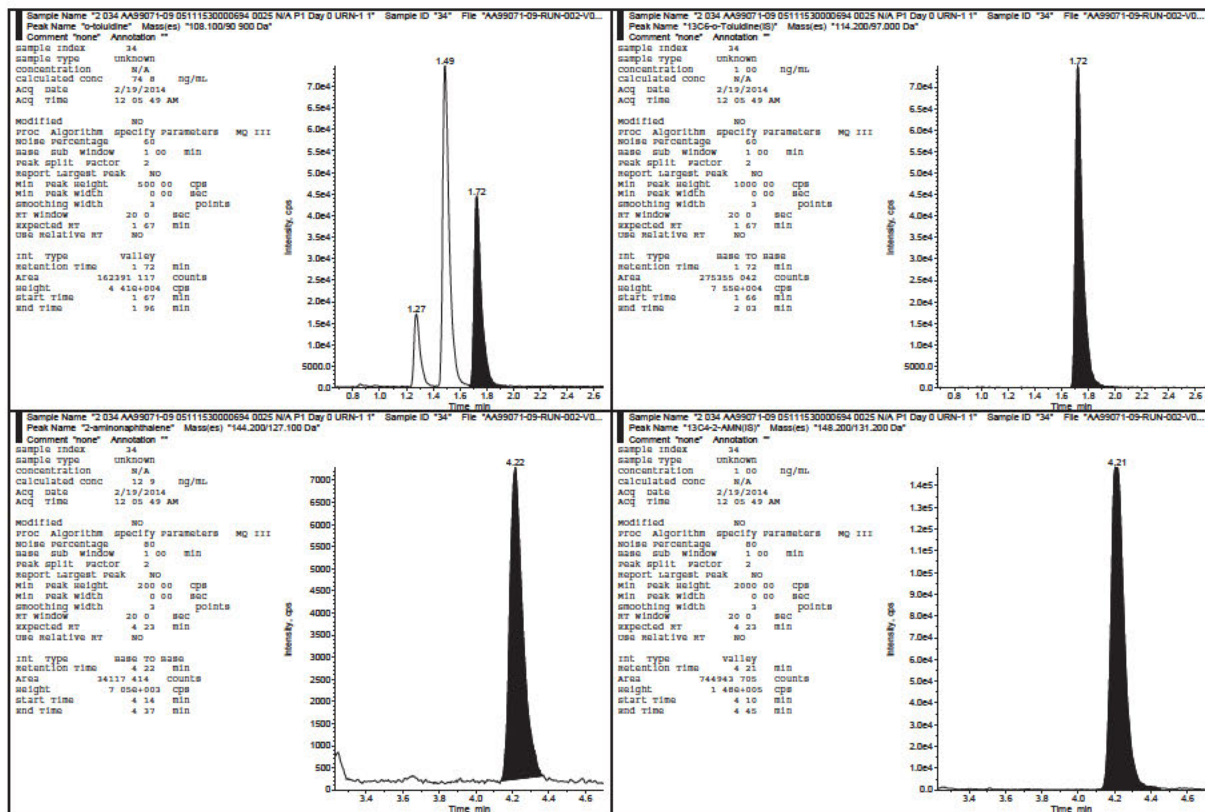


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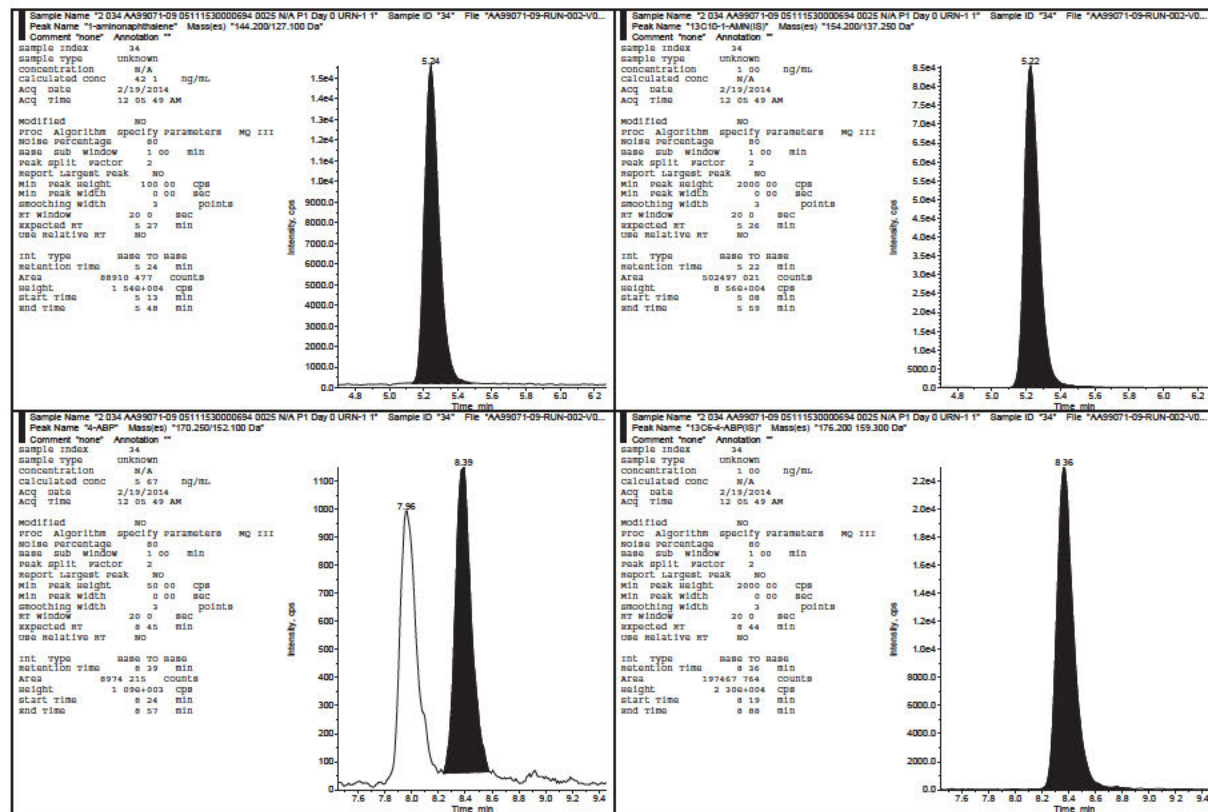


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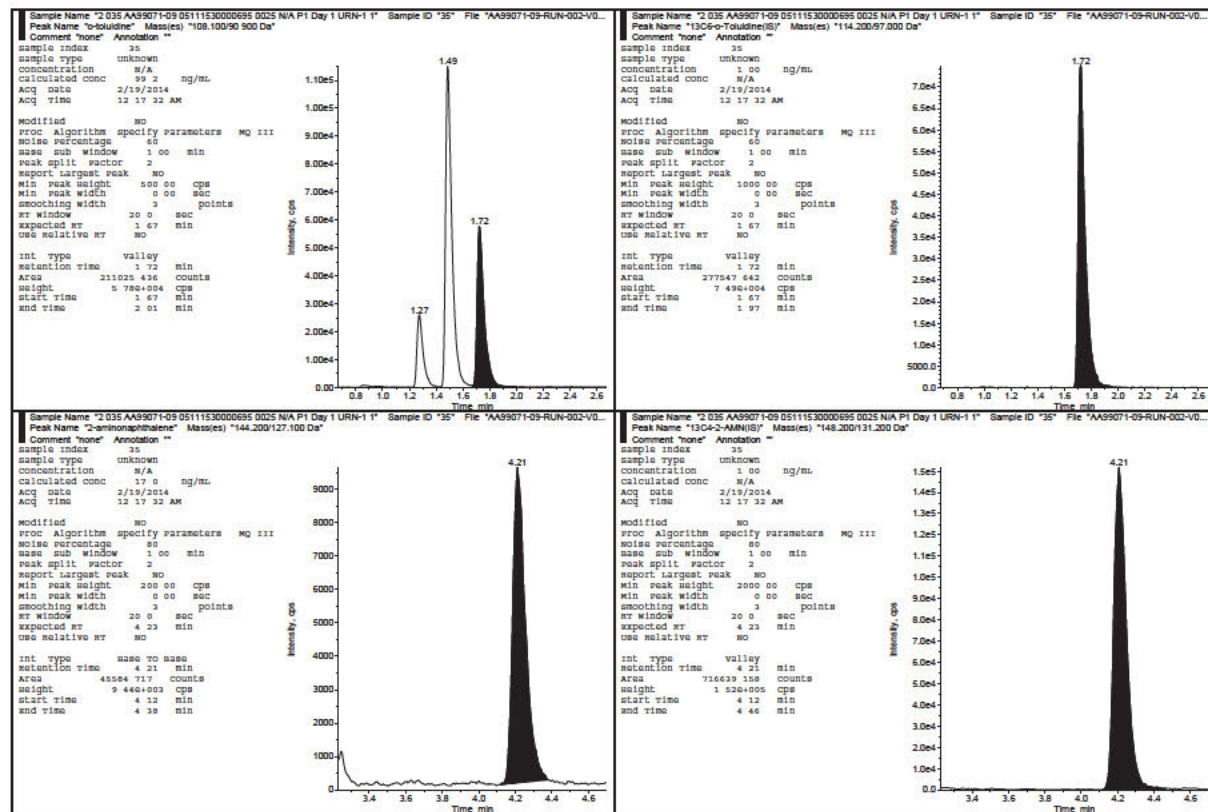


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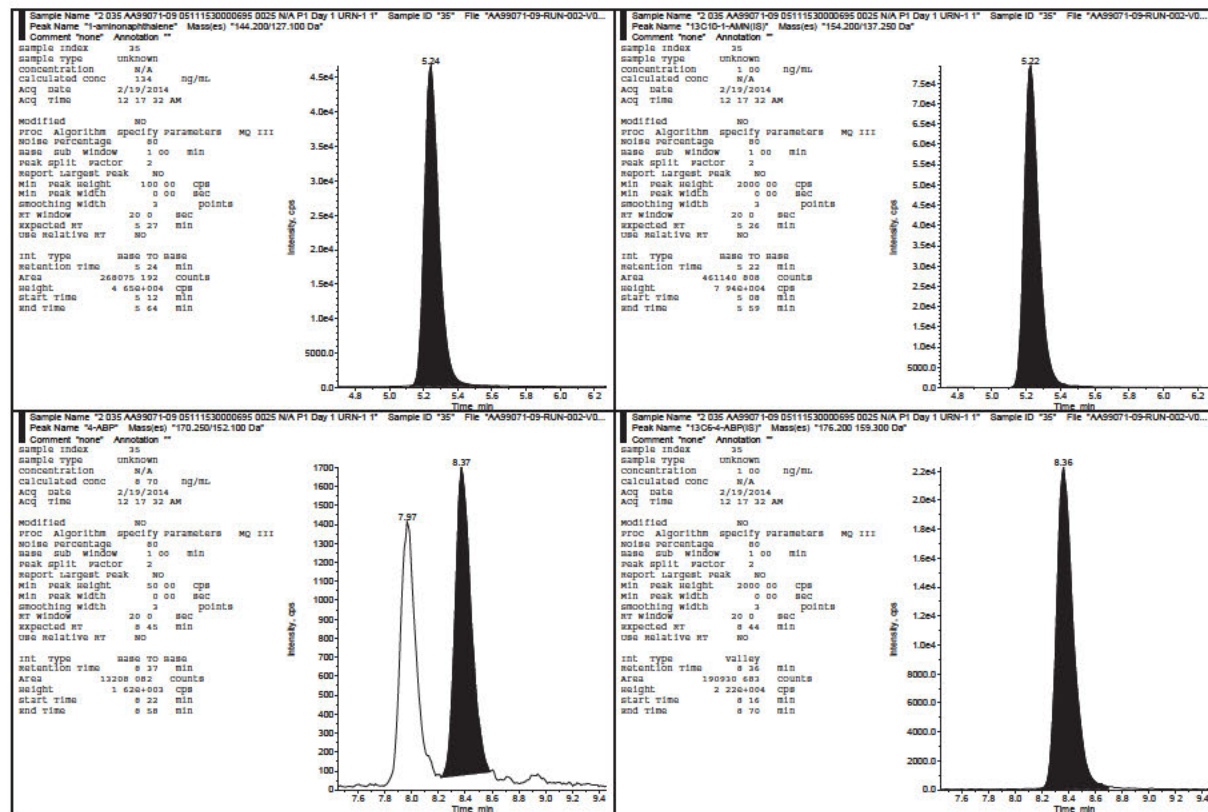
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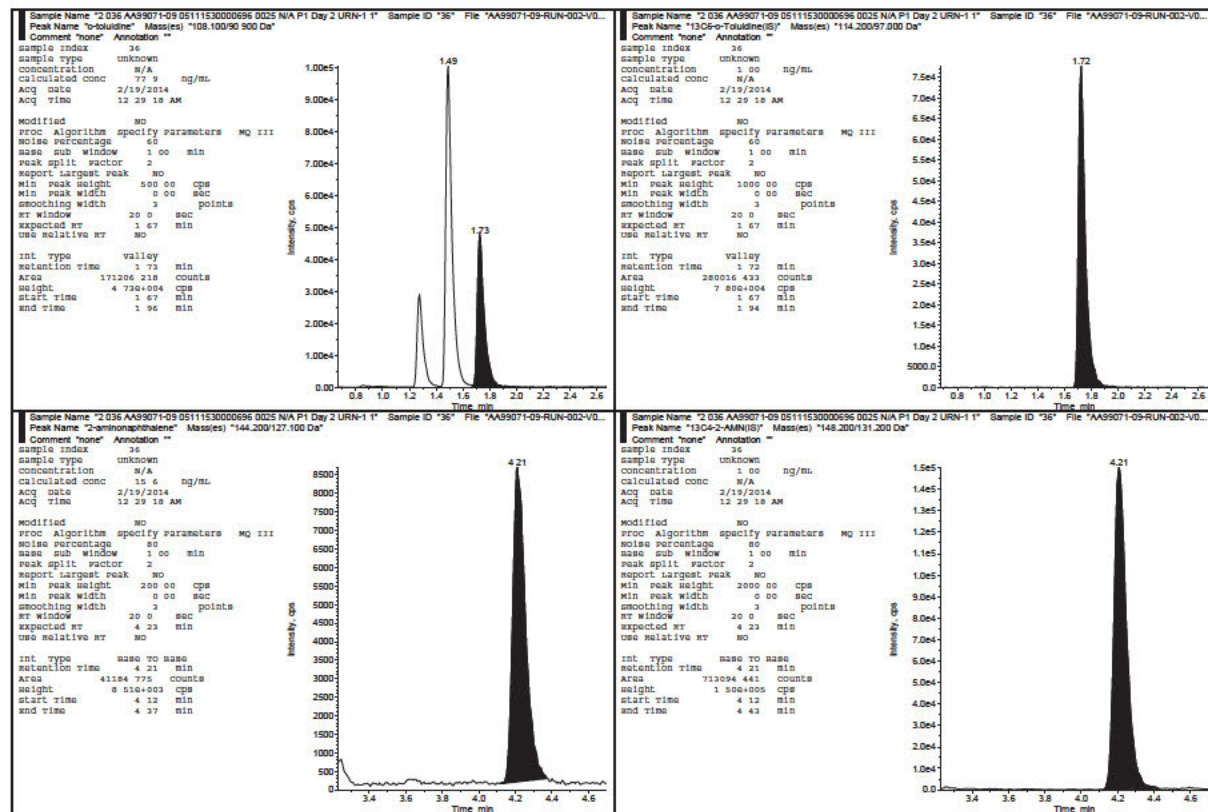
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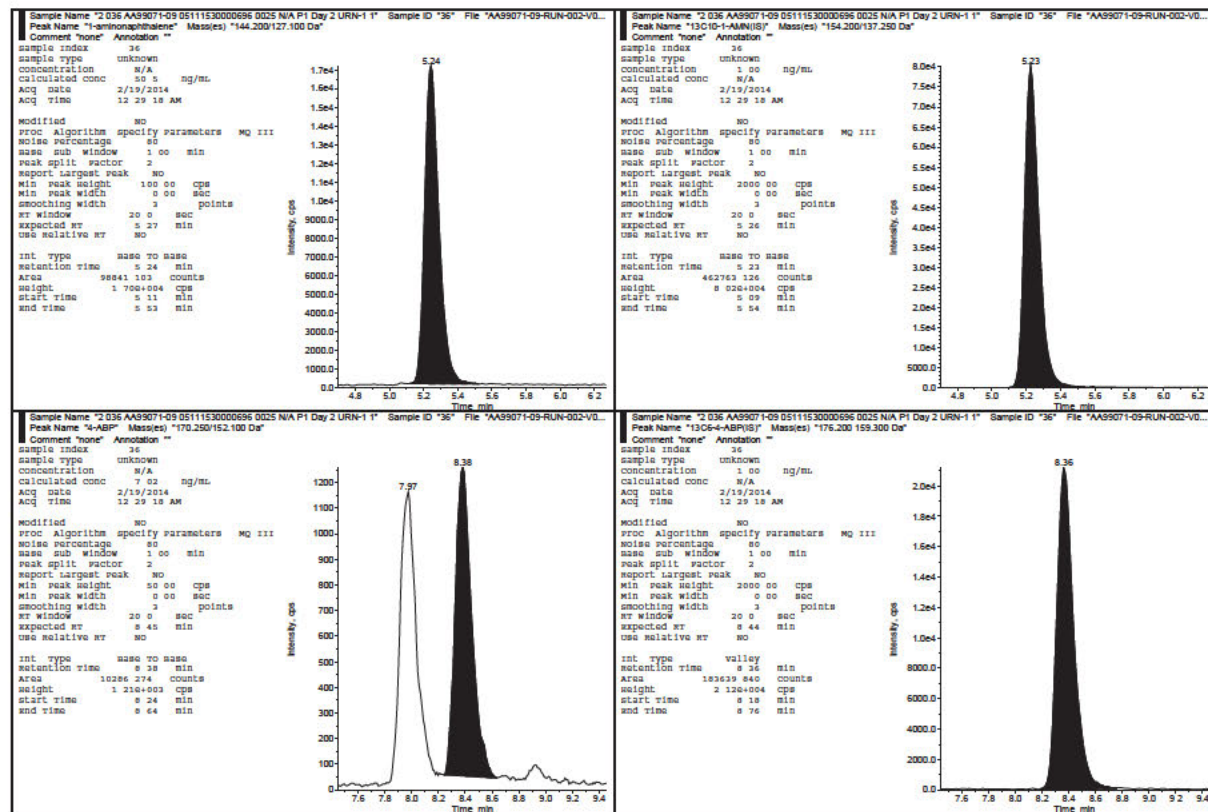


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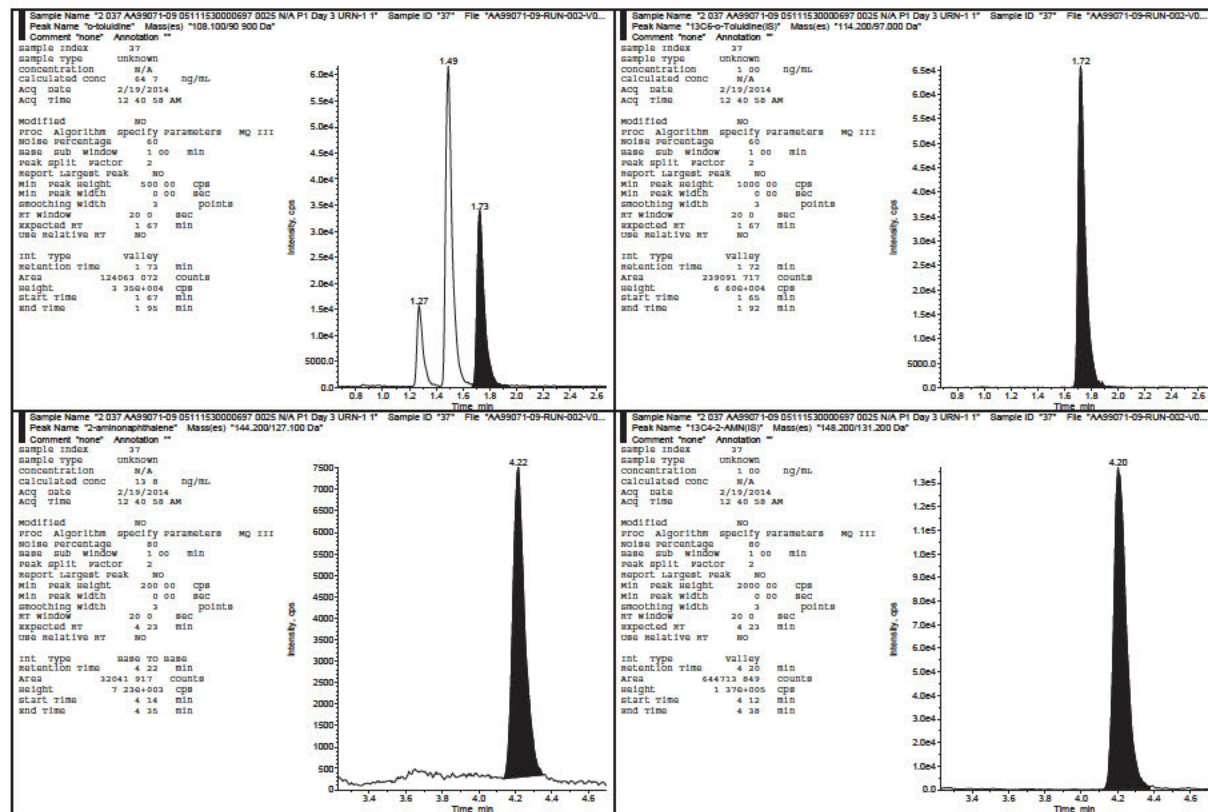


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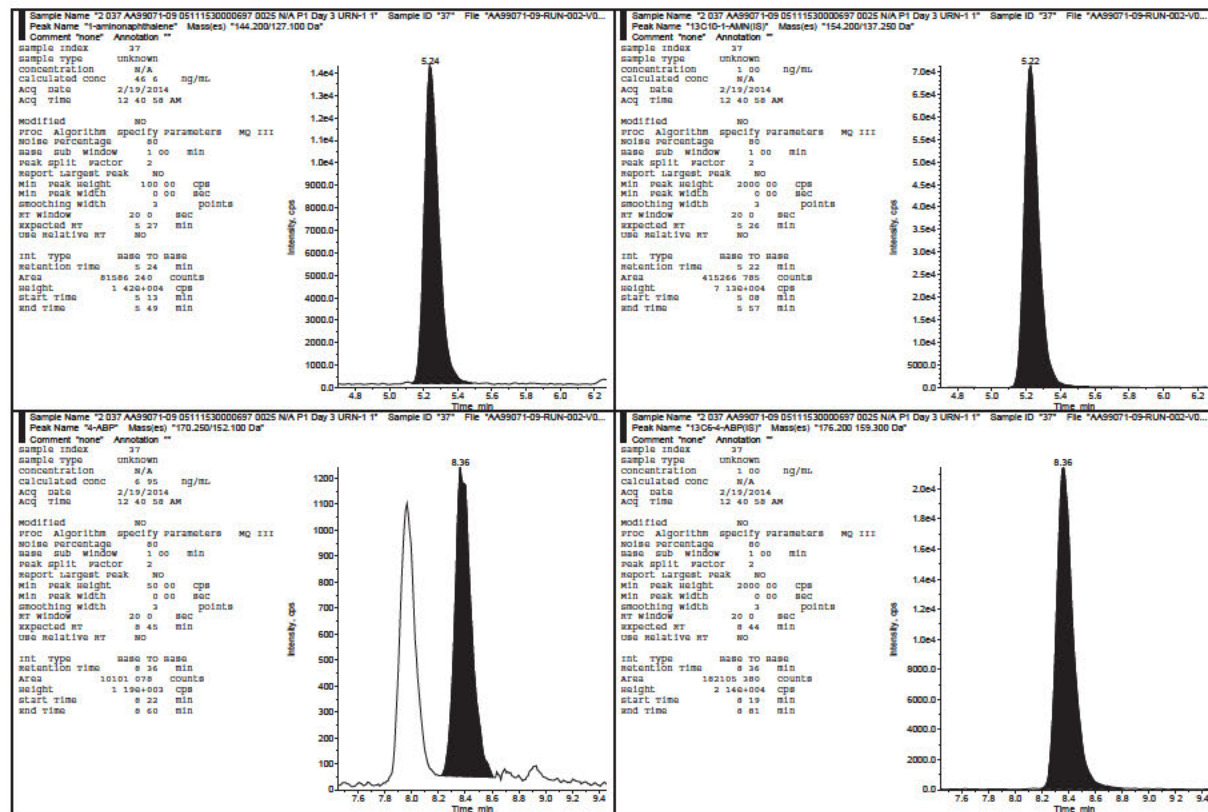


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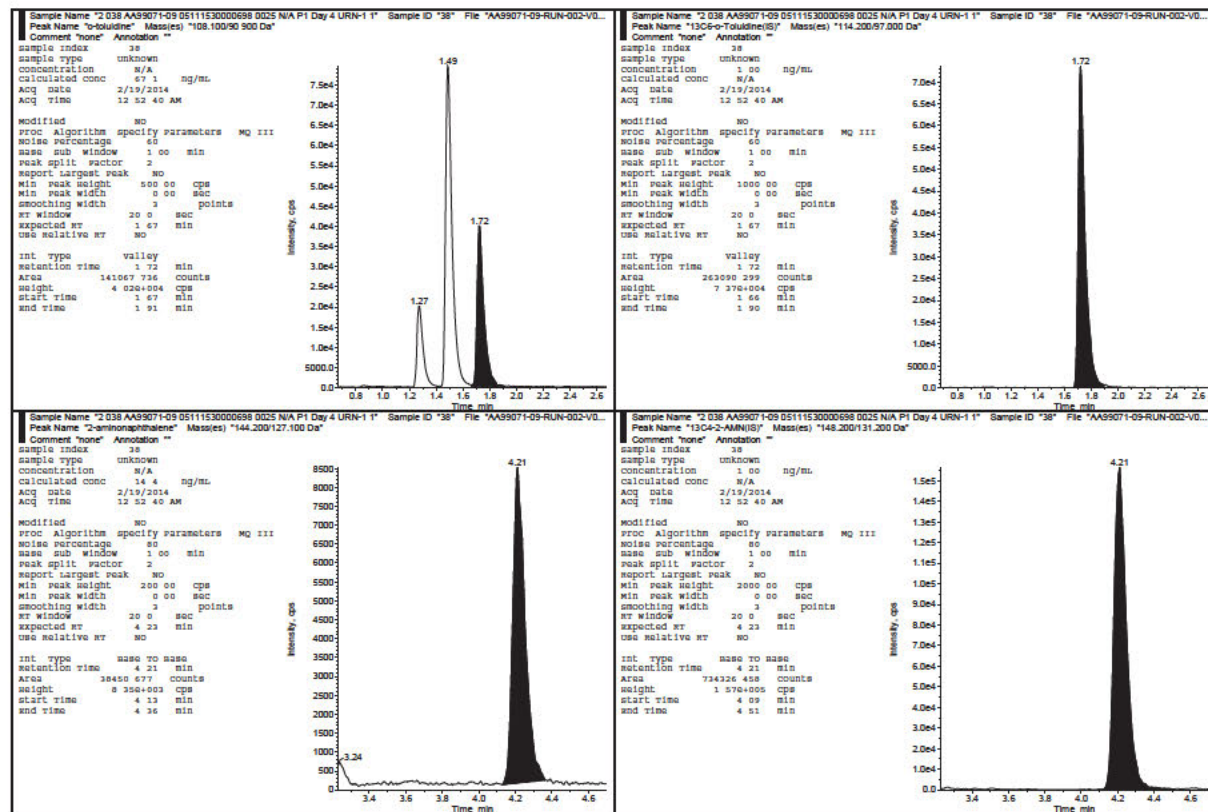
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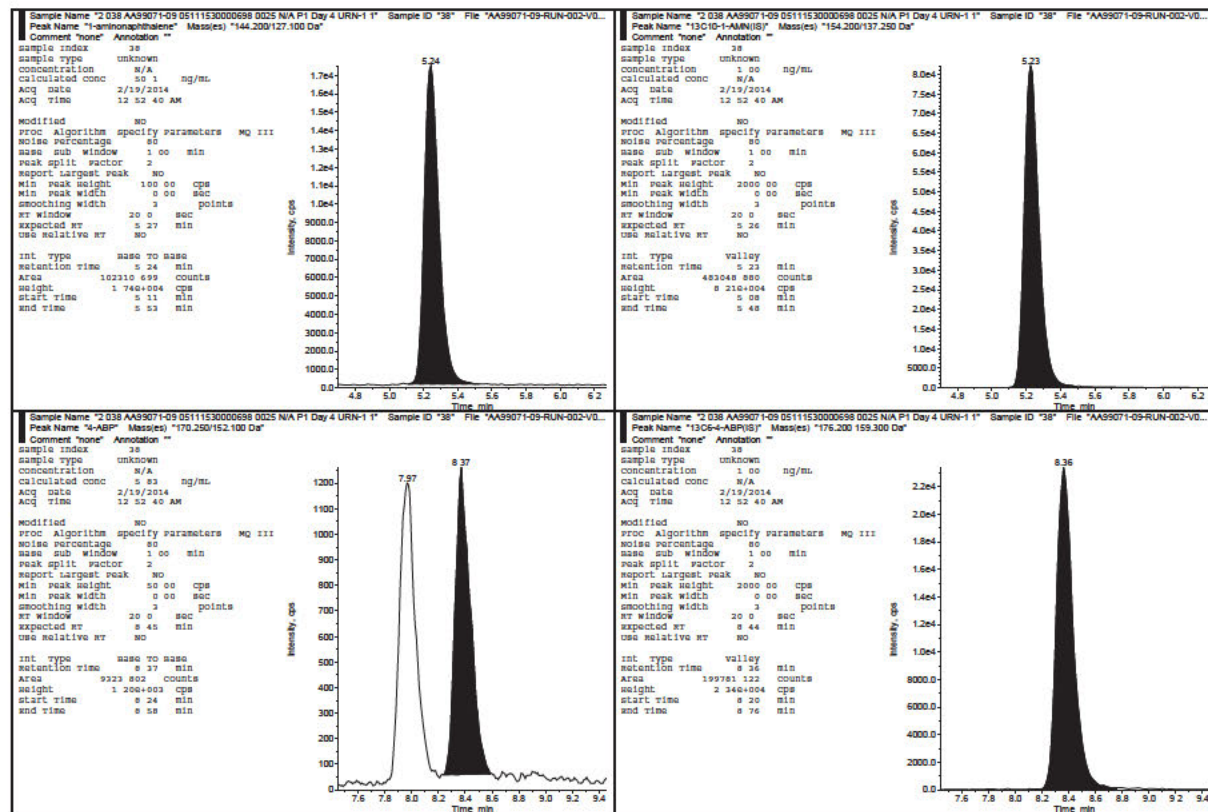
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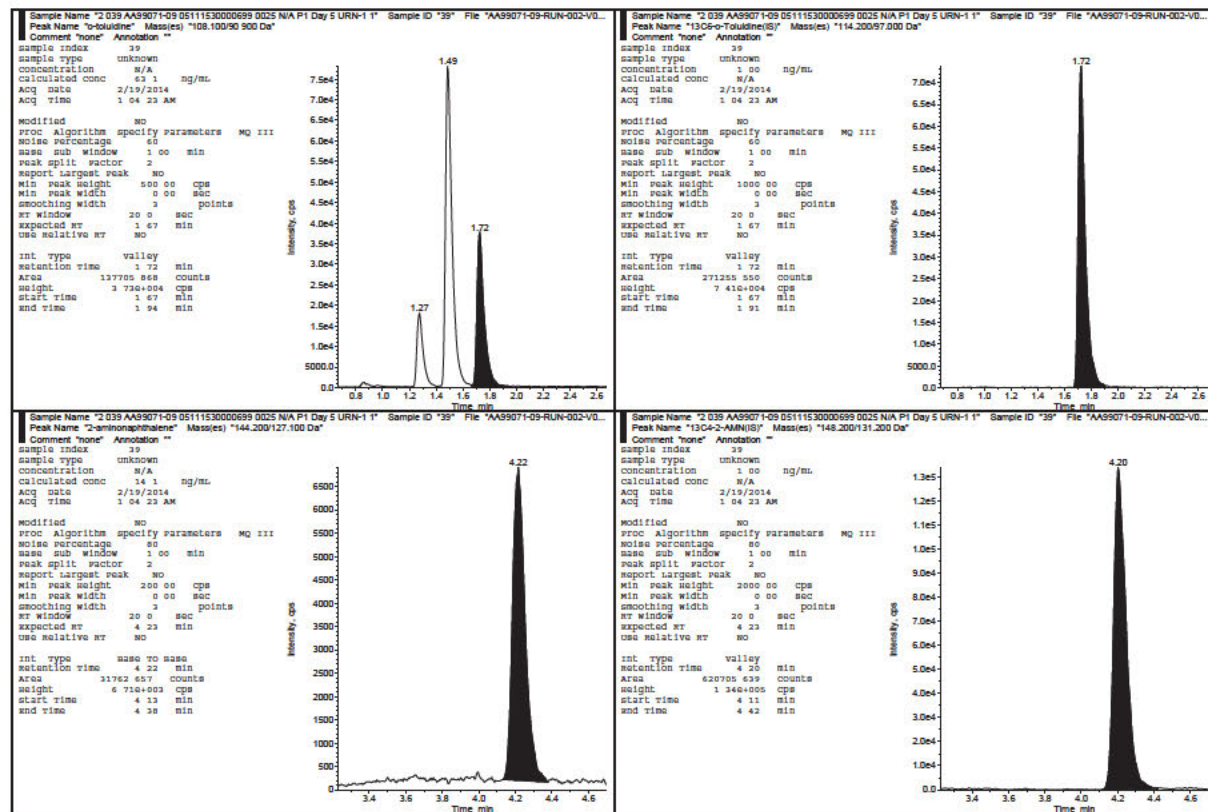


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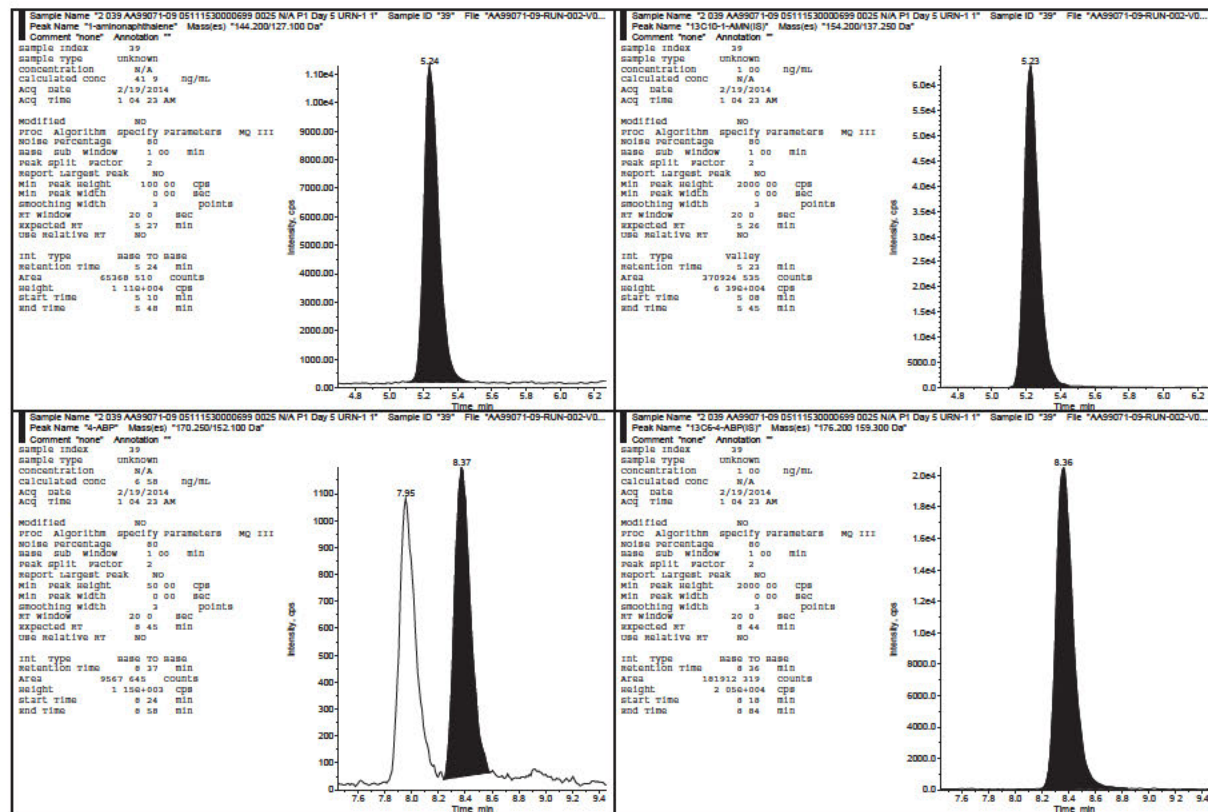


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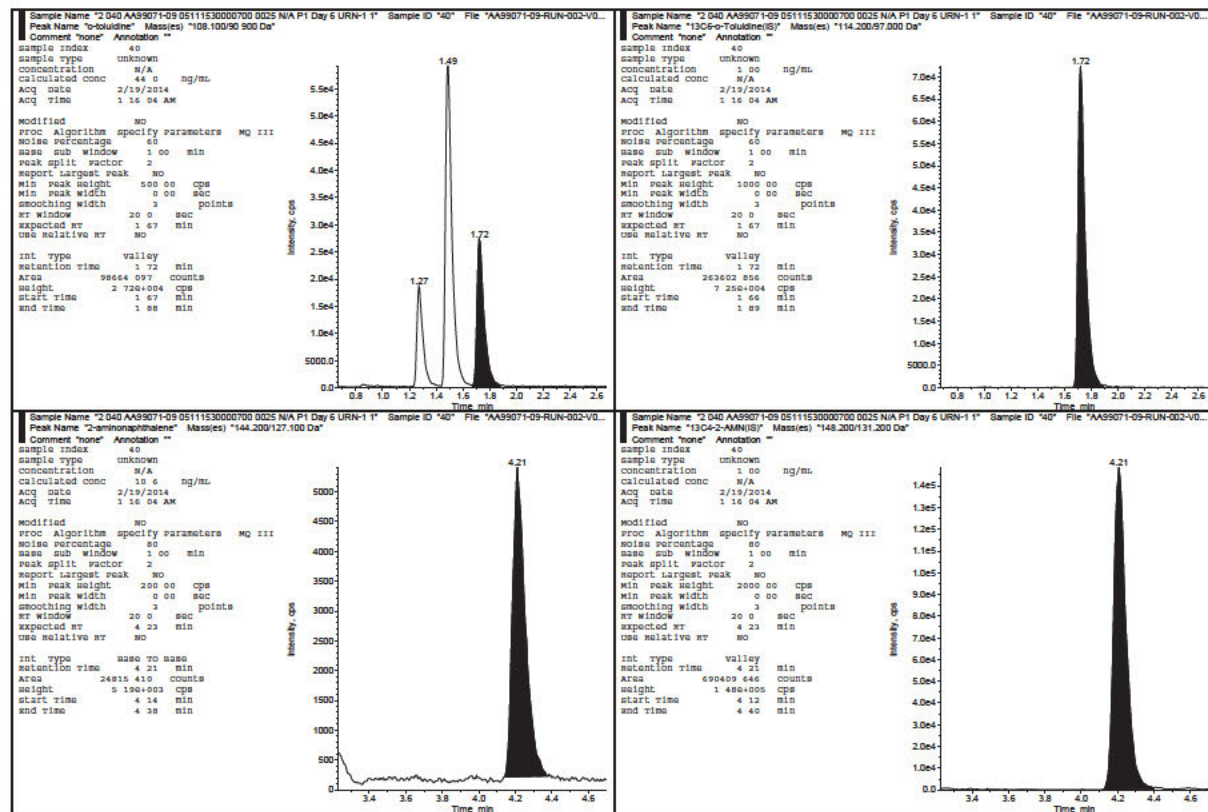


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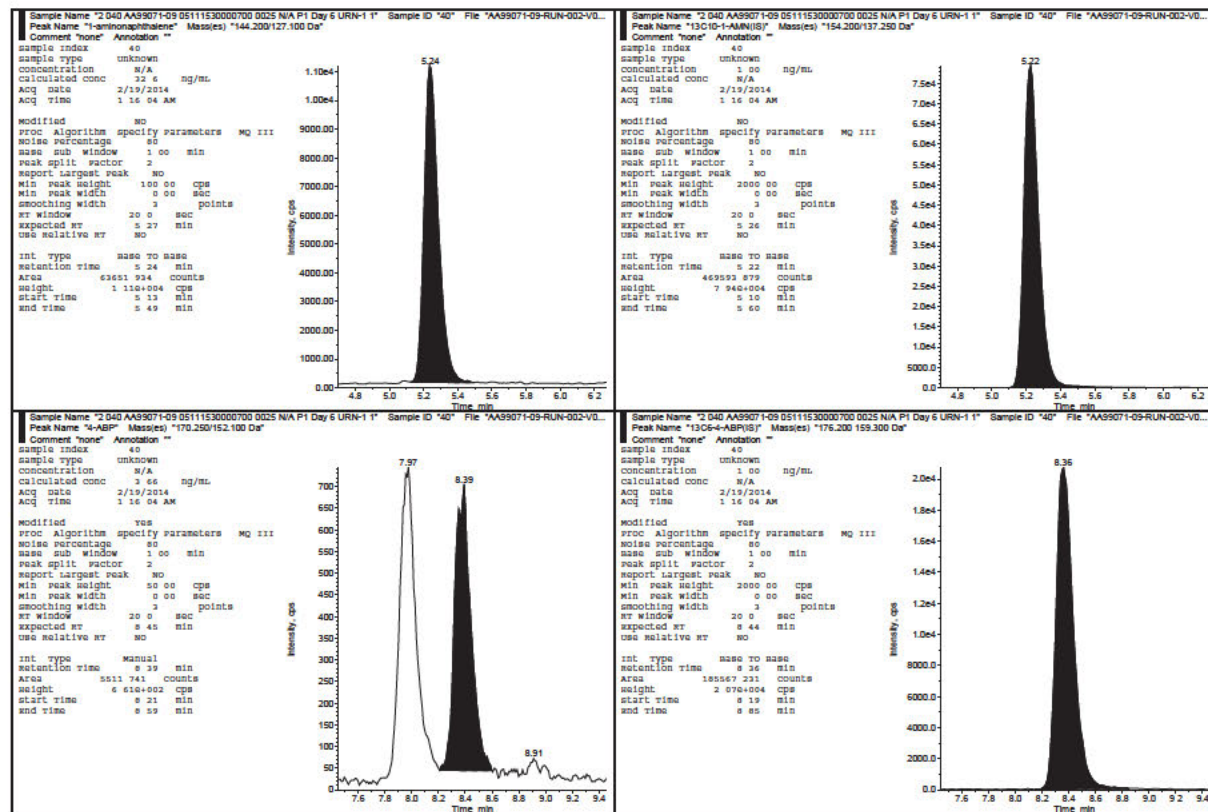
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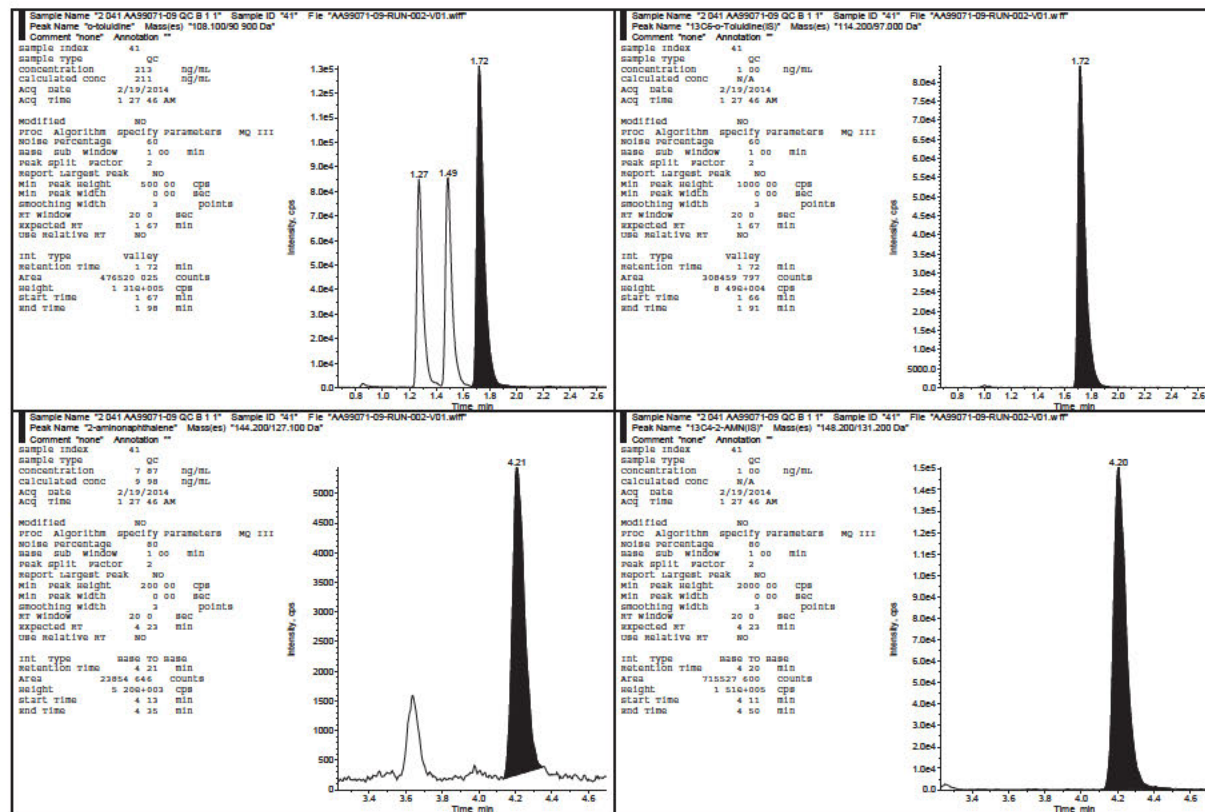
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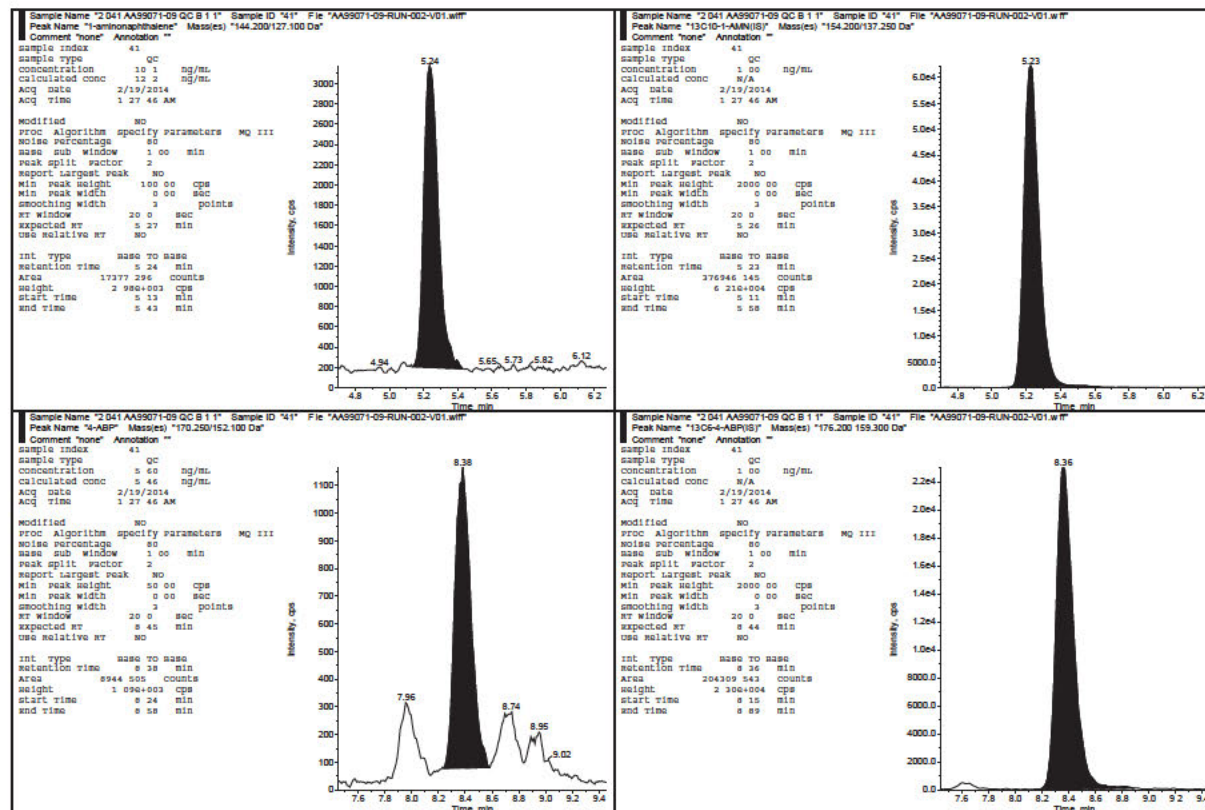


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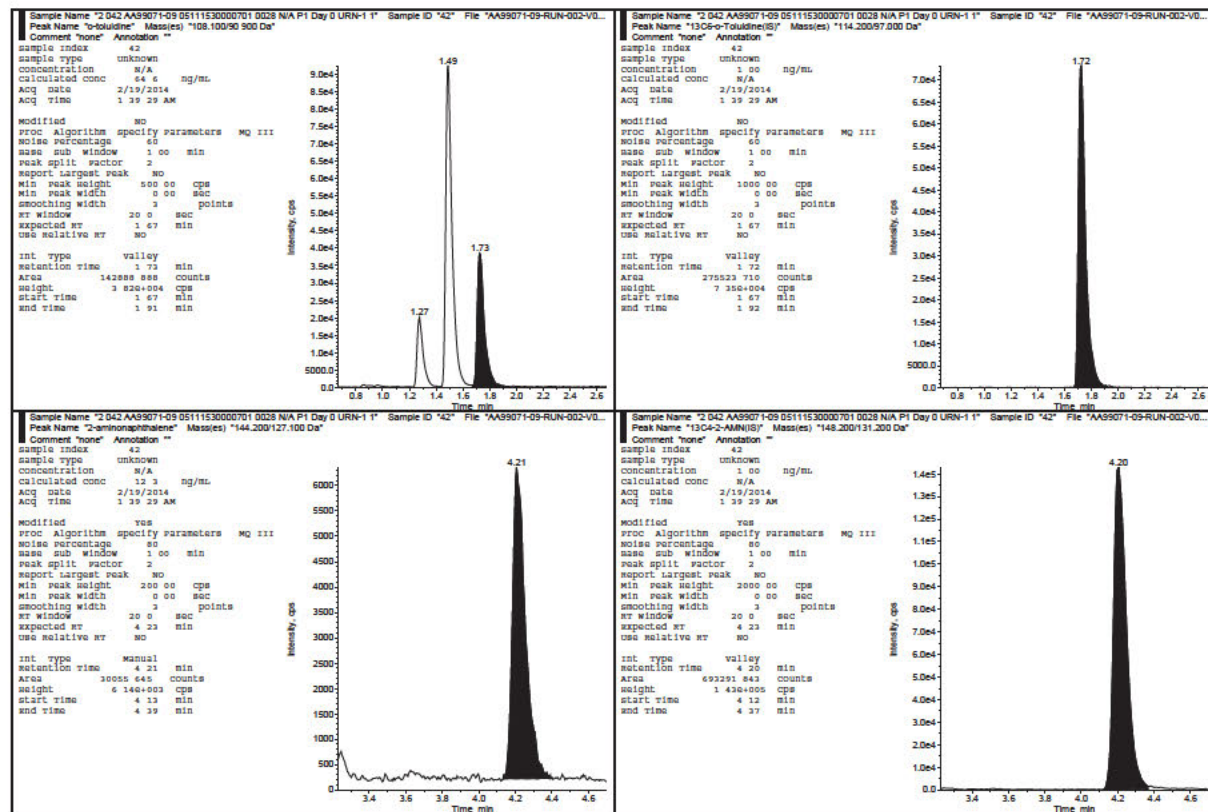


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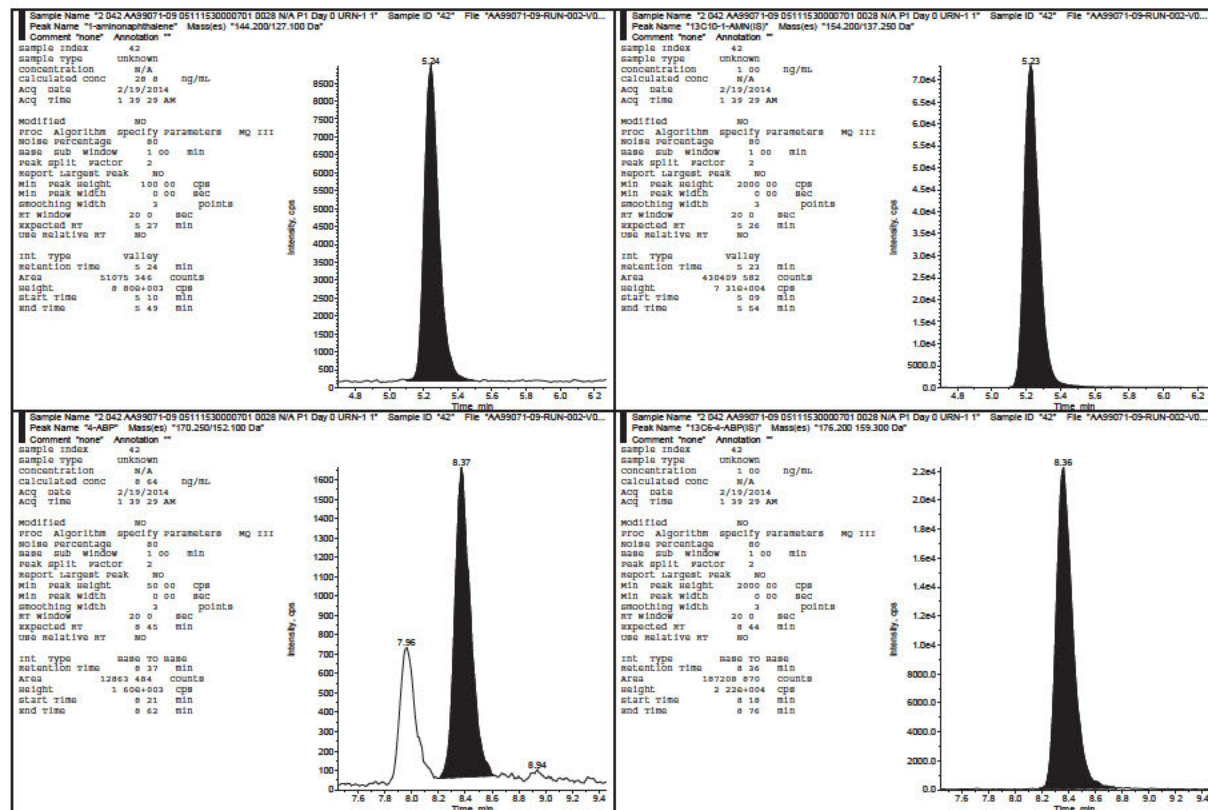


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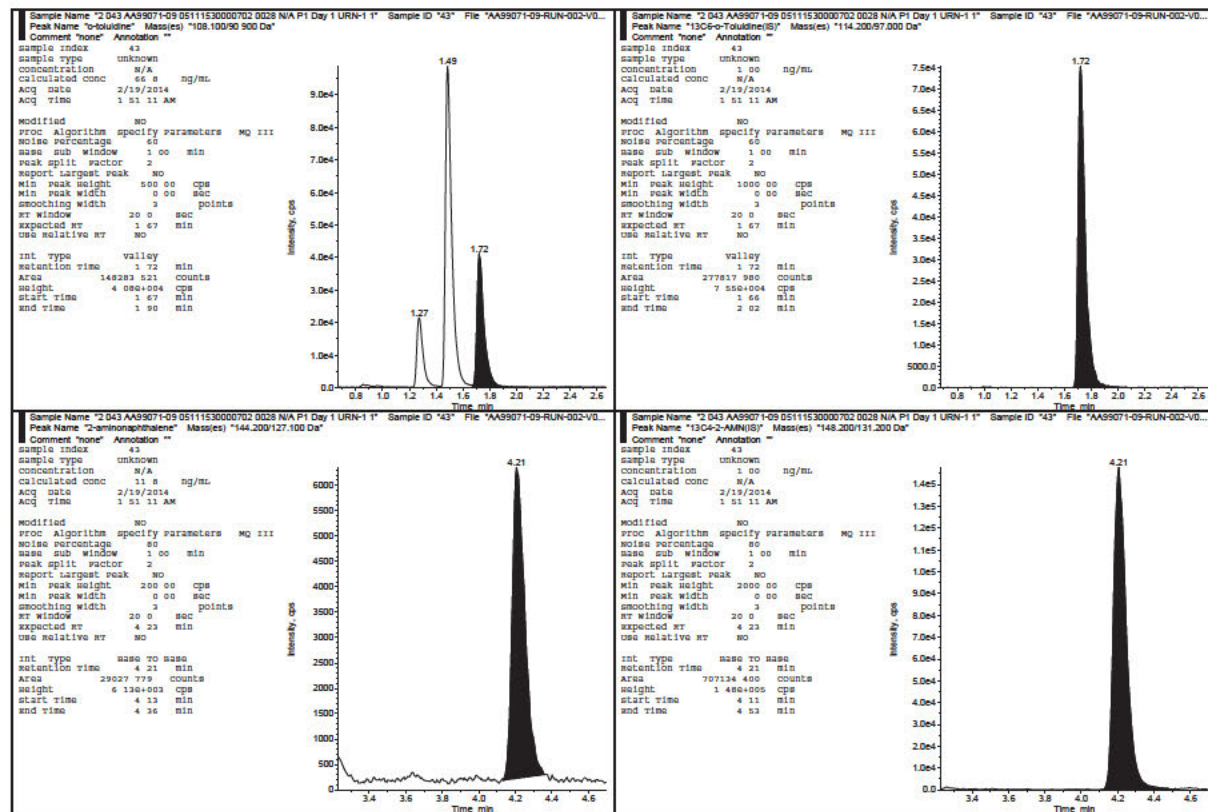
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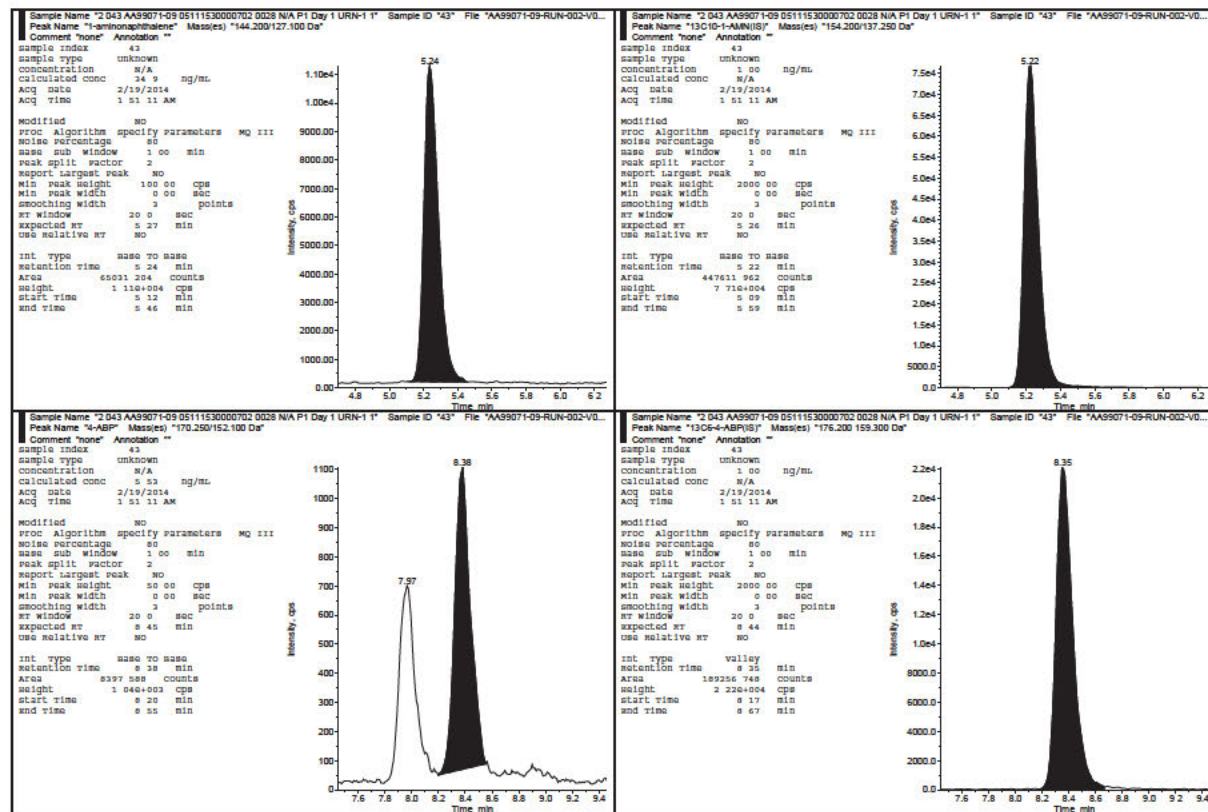
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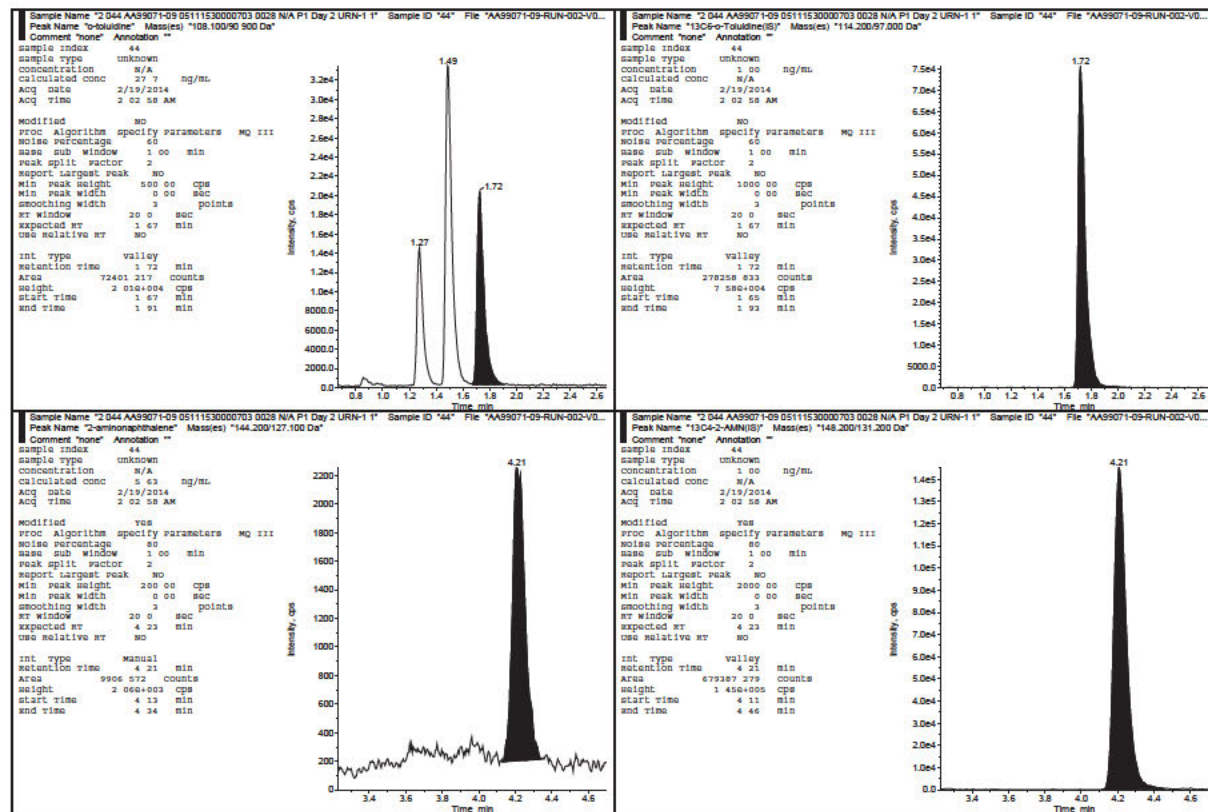


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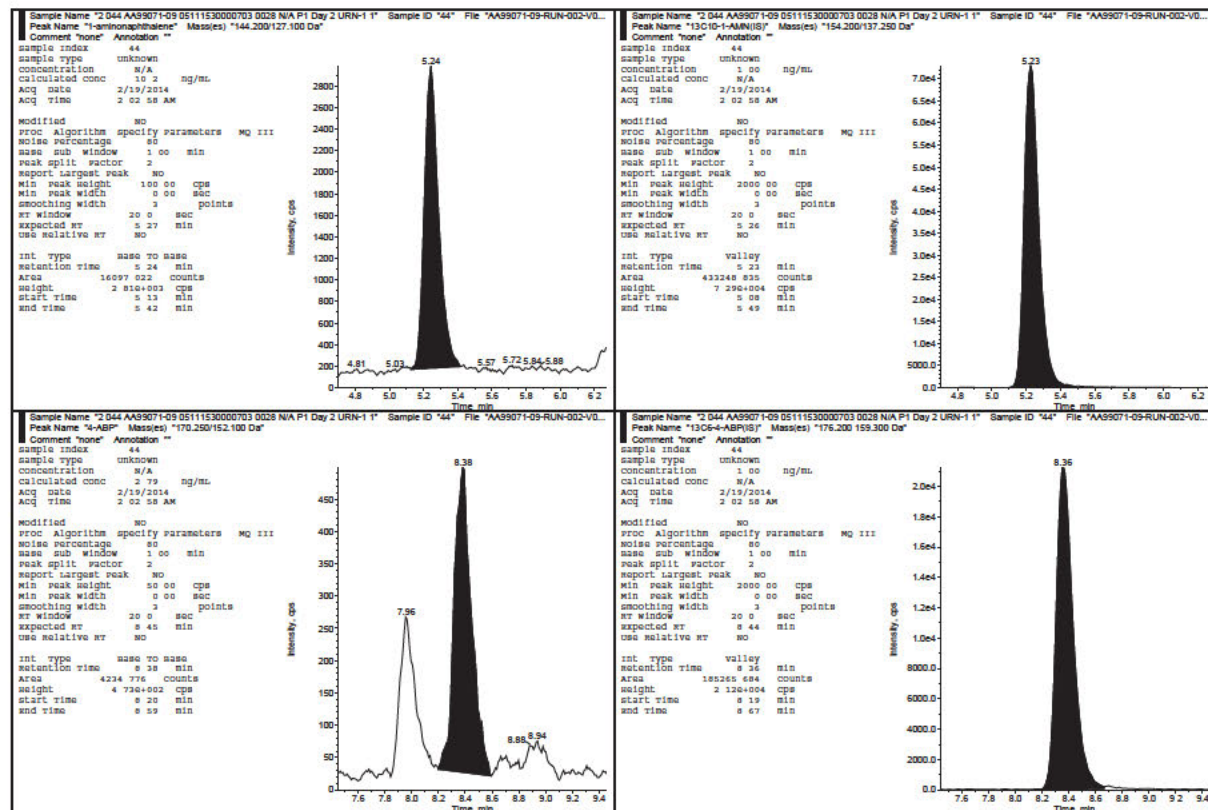


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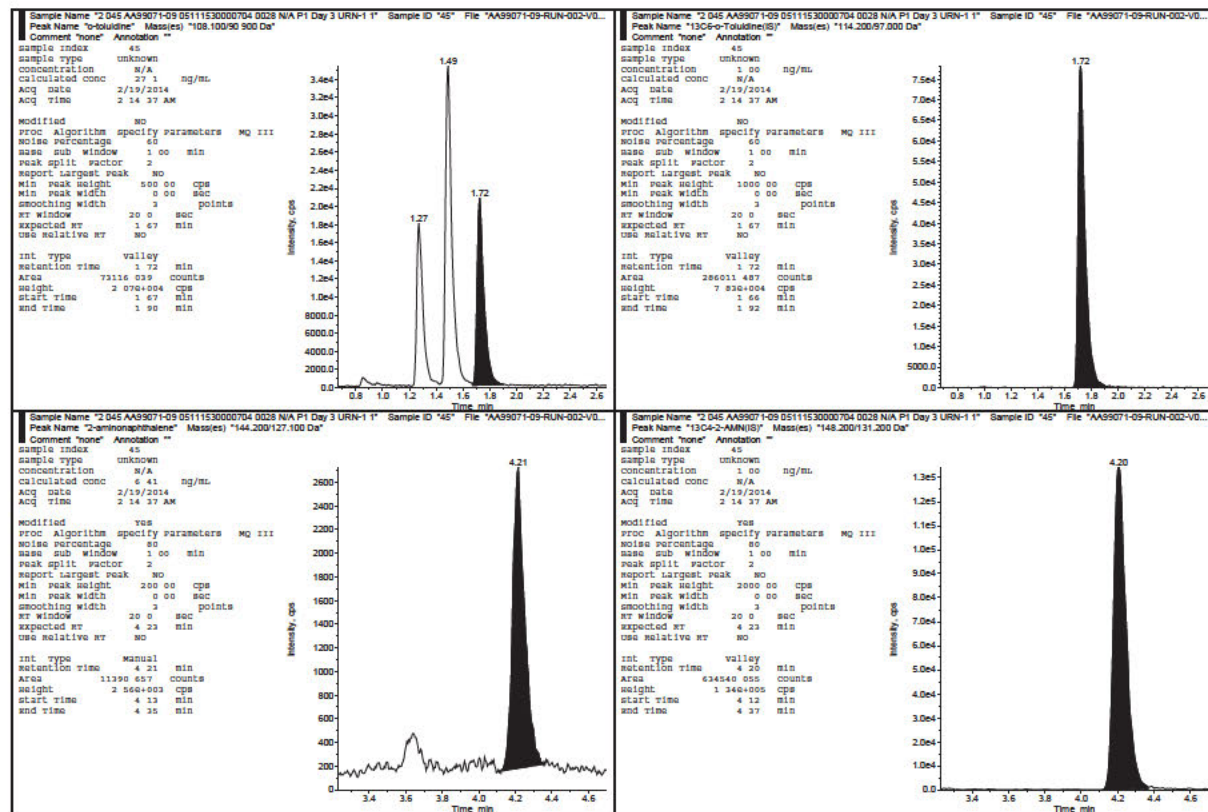


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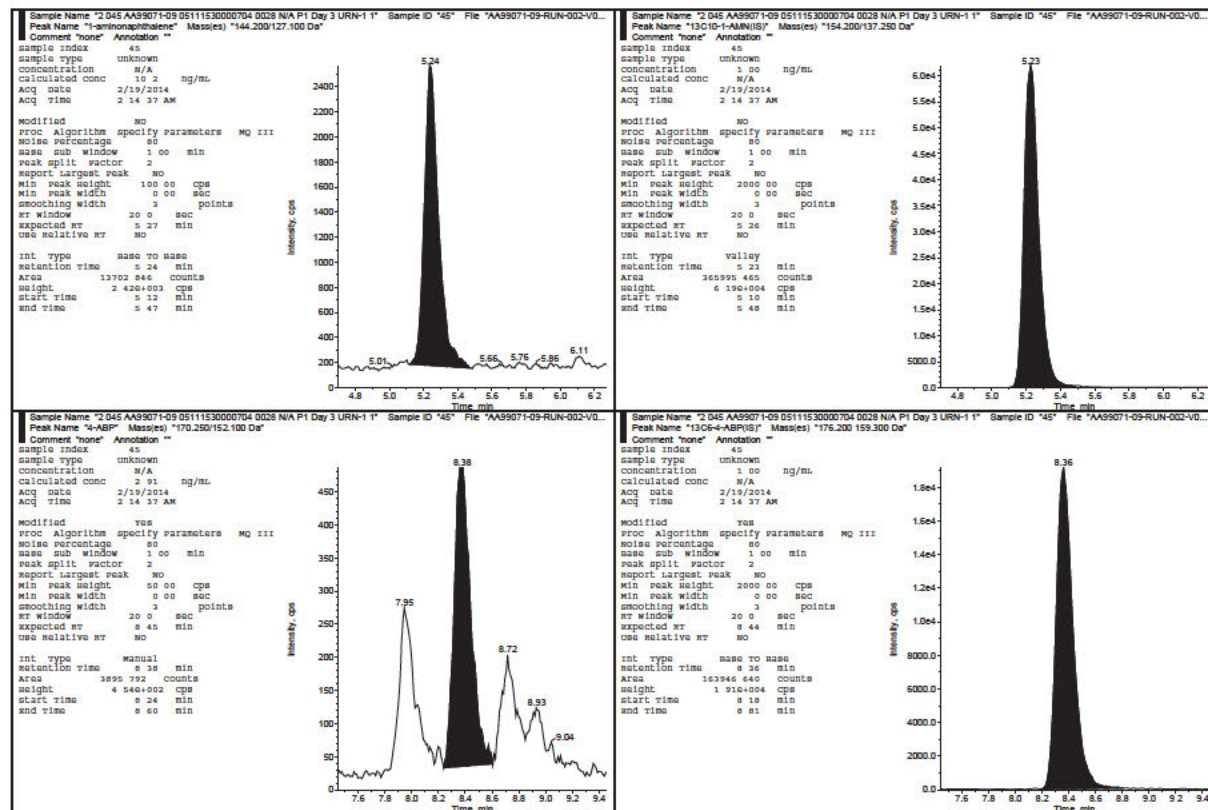
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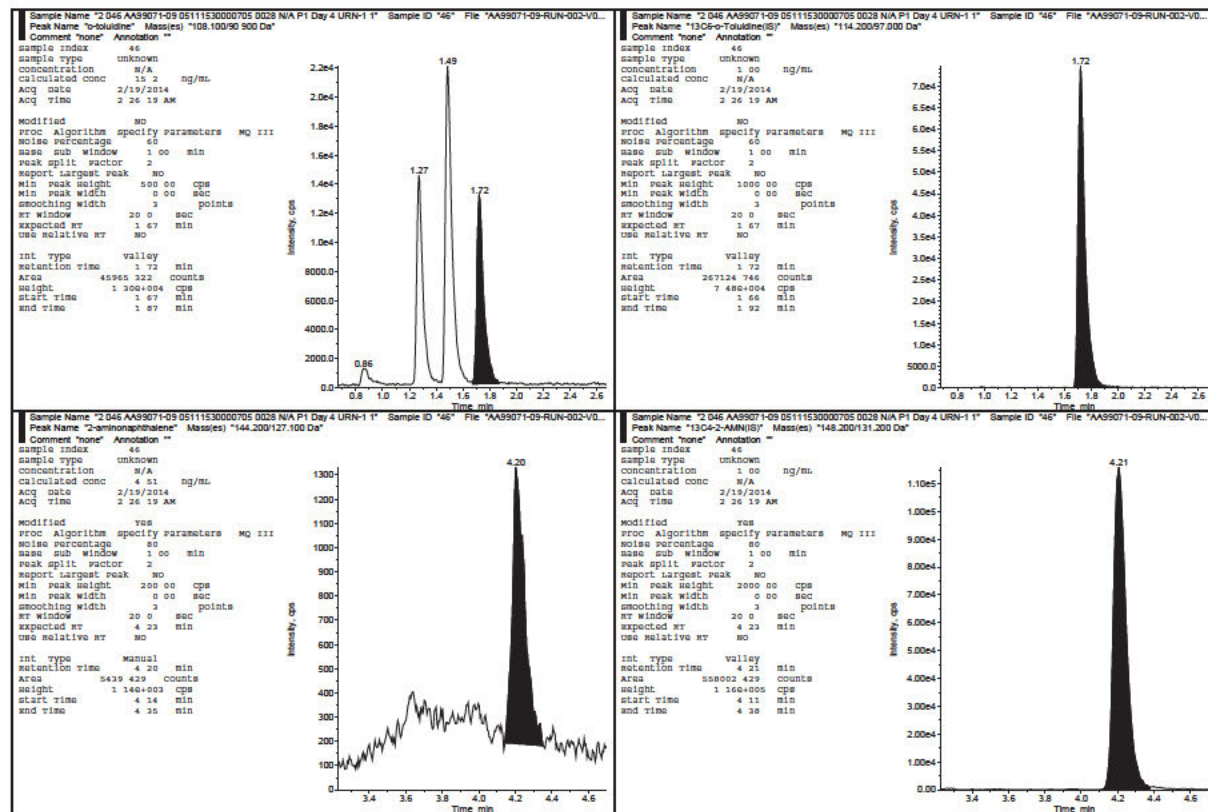
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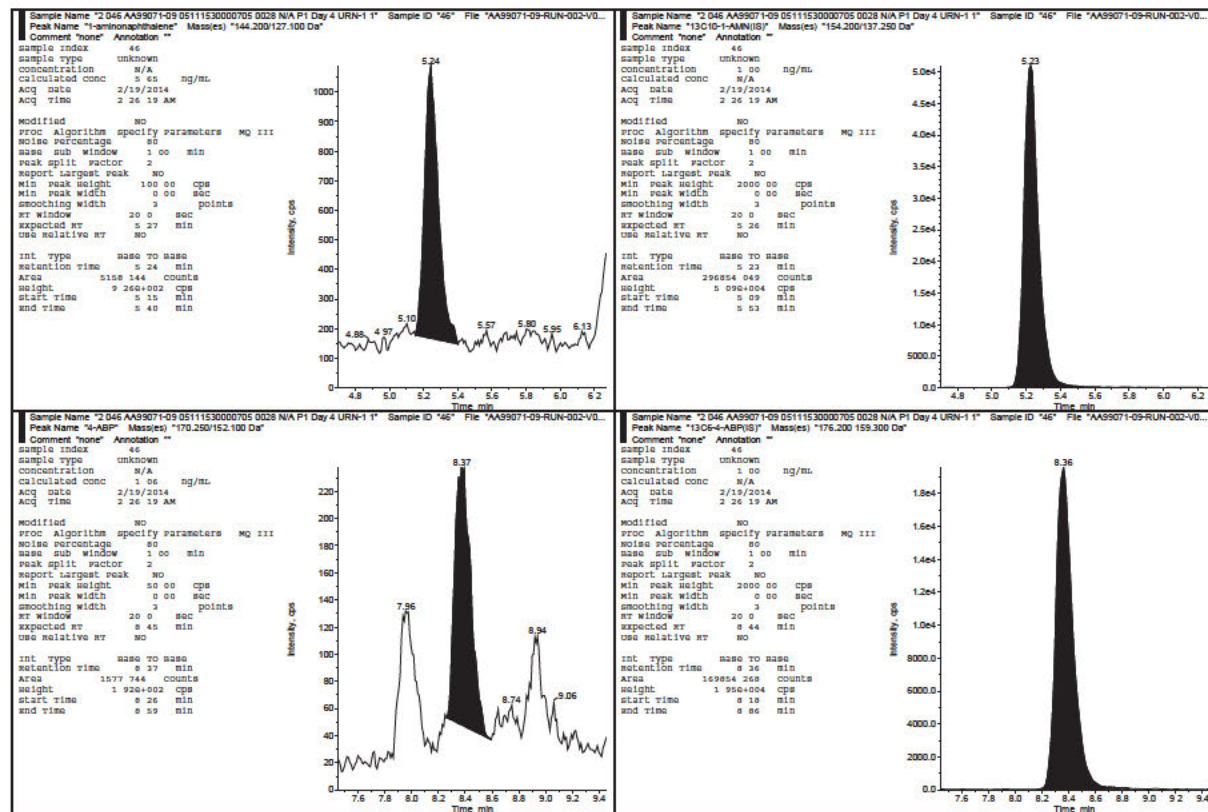


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Celerion Study AA99071-09



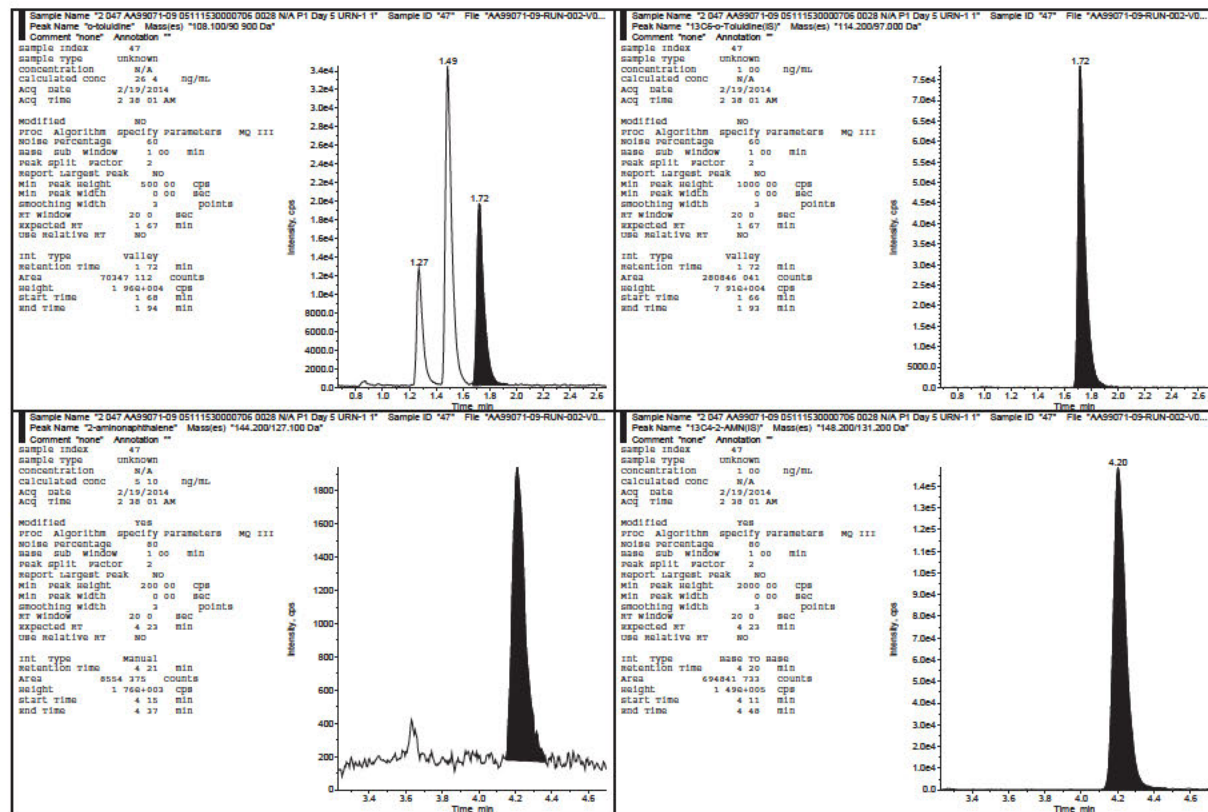


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Celerion Study AA99071-09



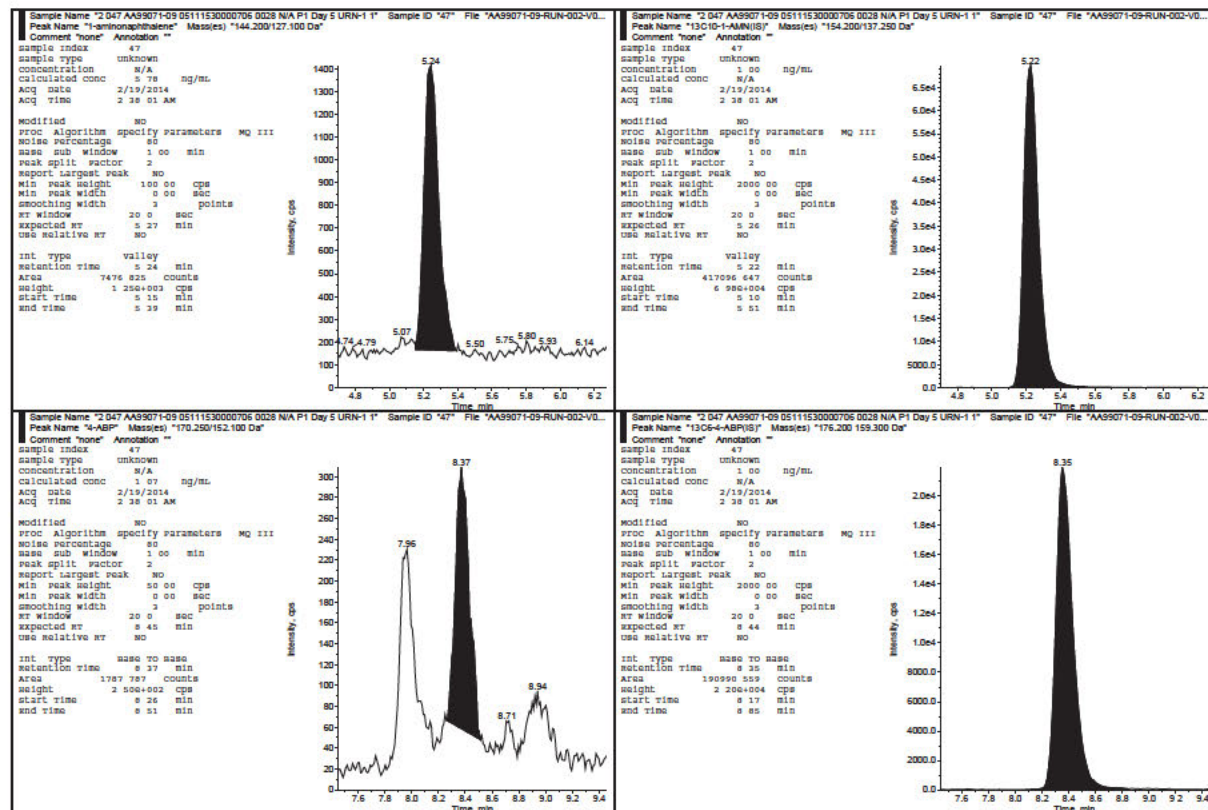


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Celerion Study AA99071-09





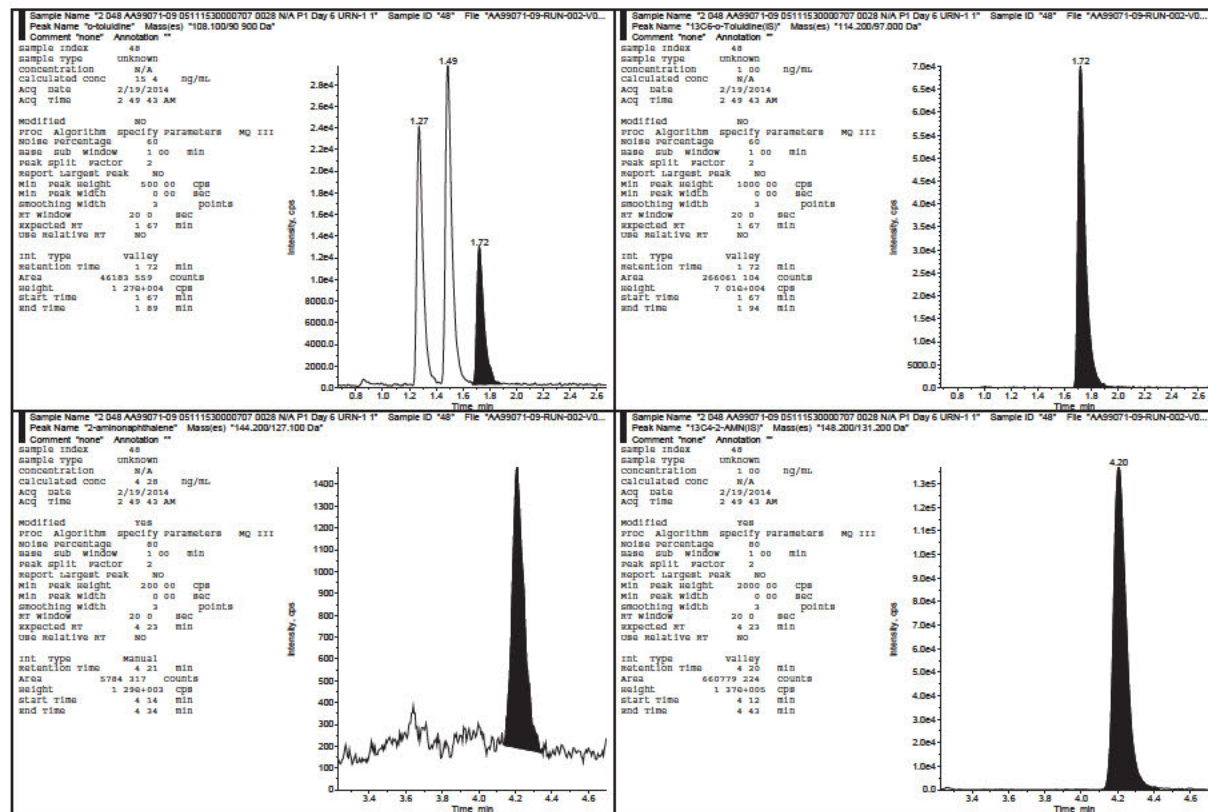
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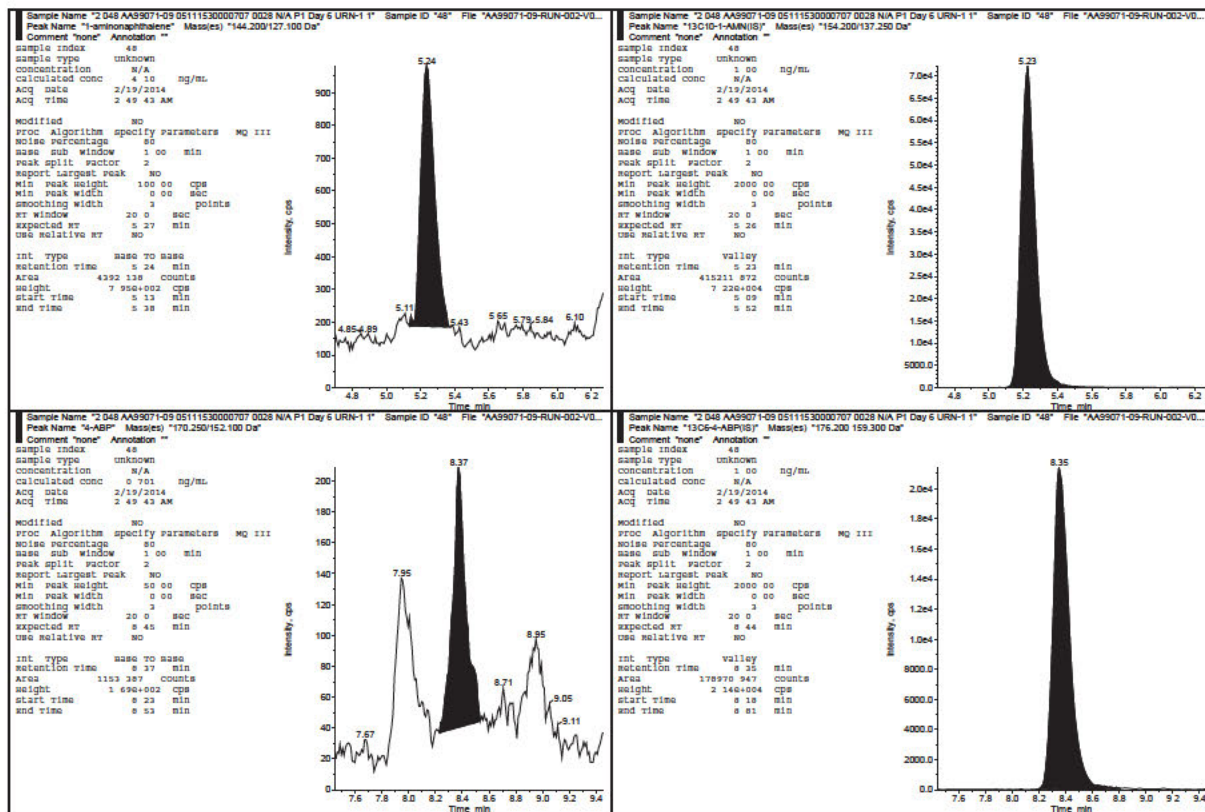
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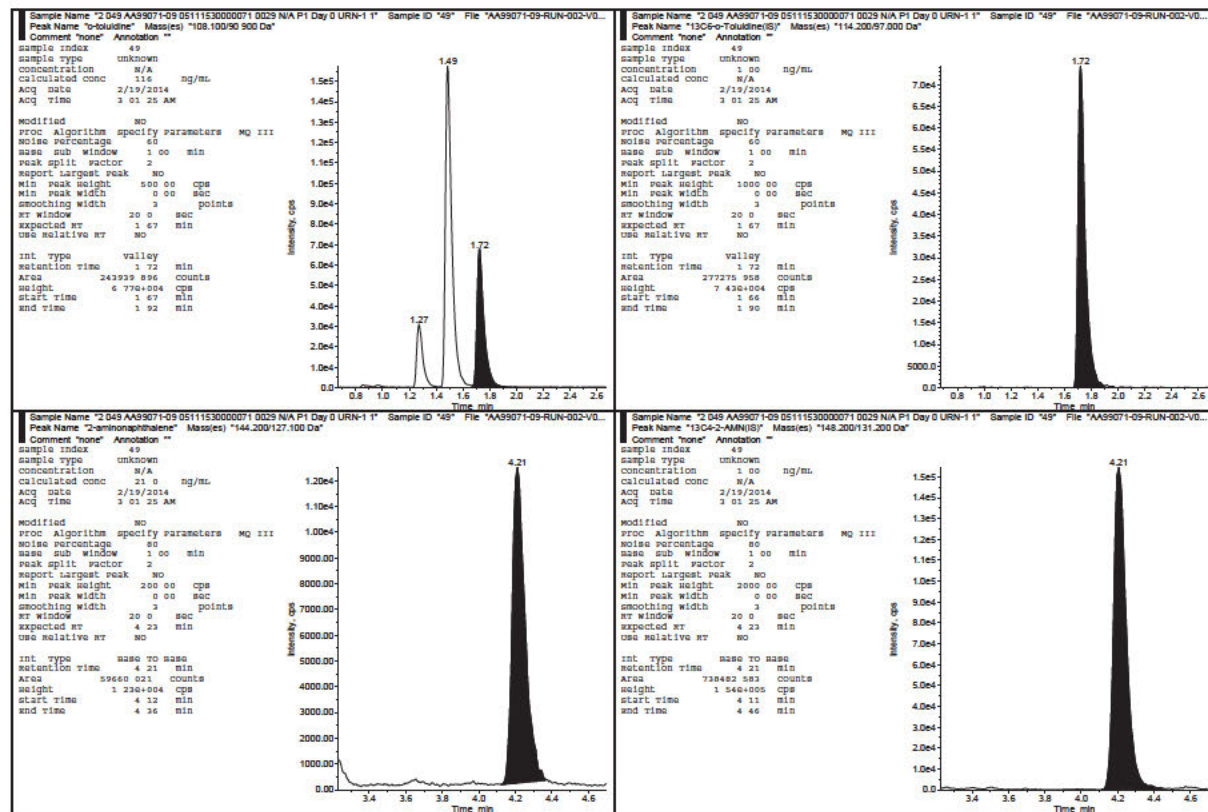


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Celerion Study AA99071-09



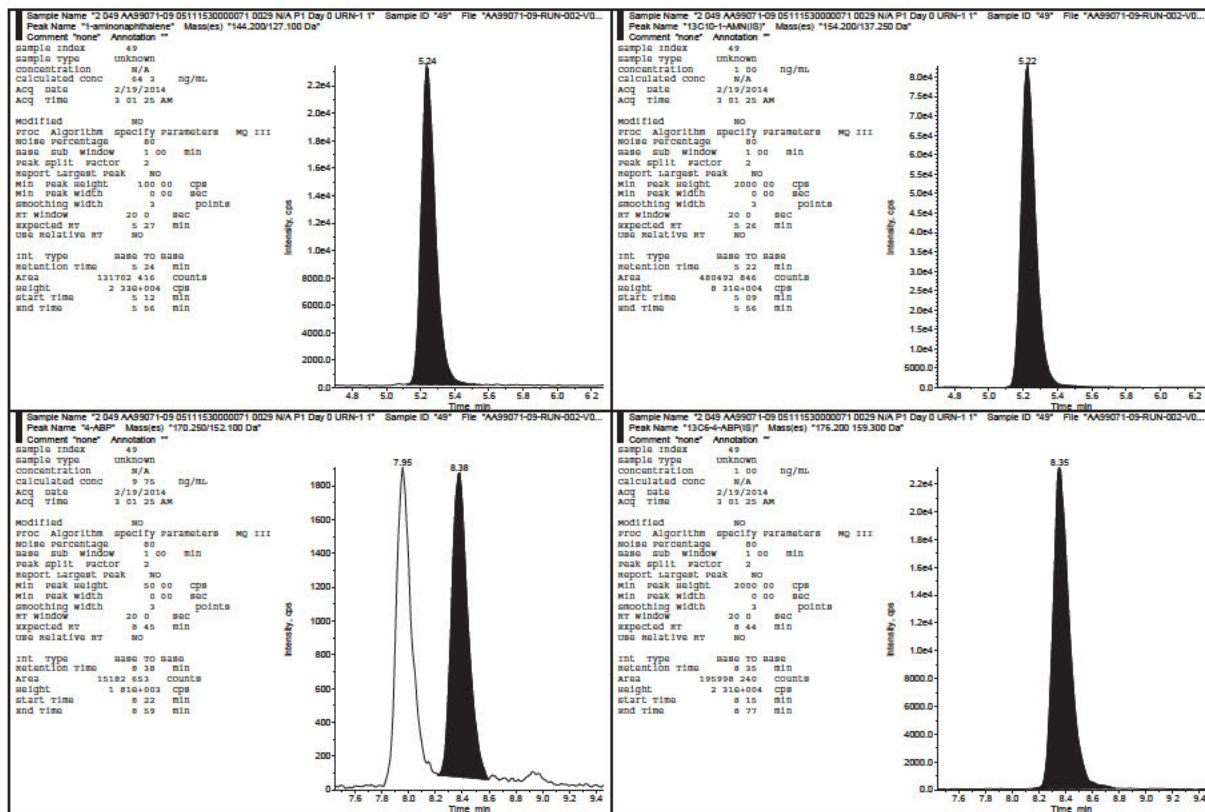


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Celerion Study AA99071-09



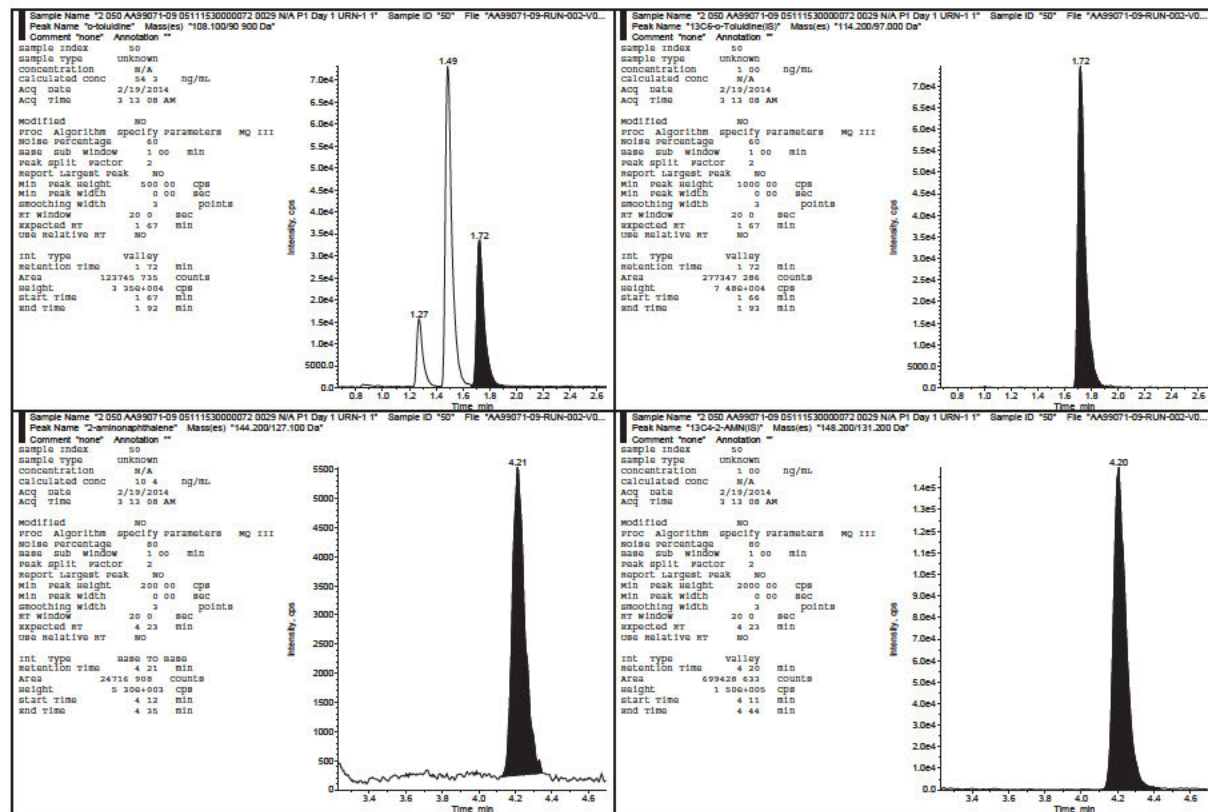


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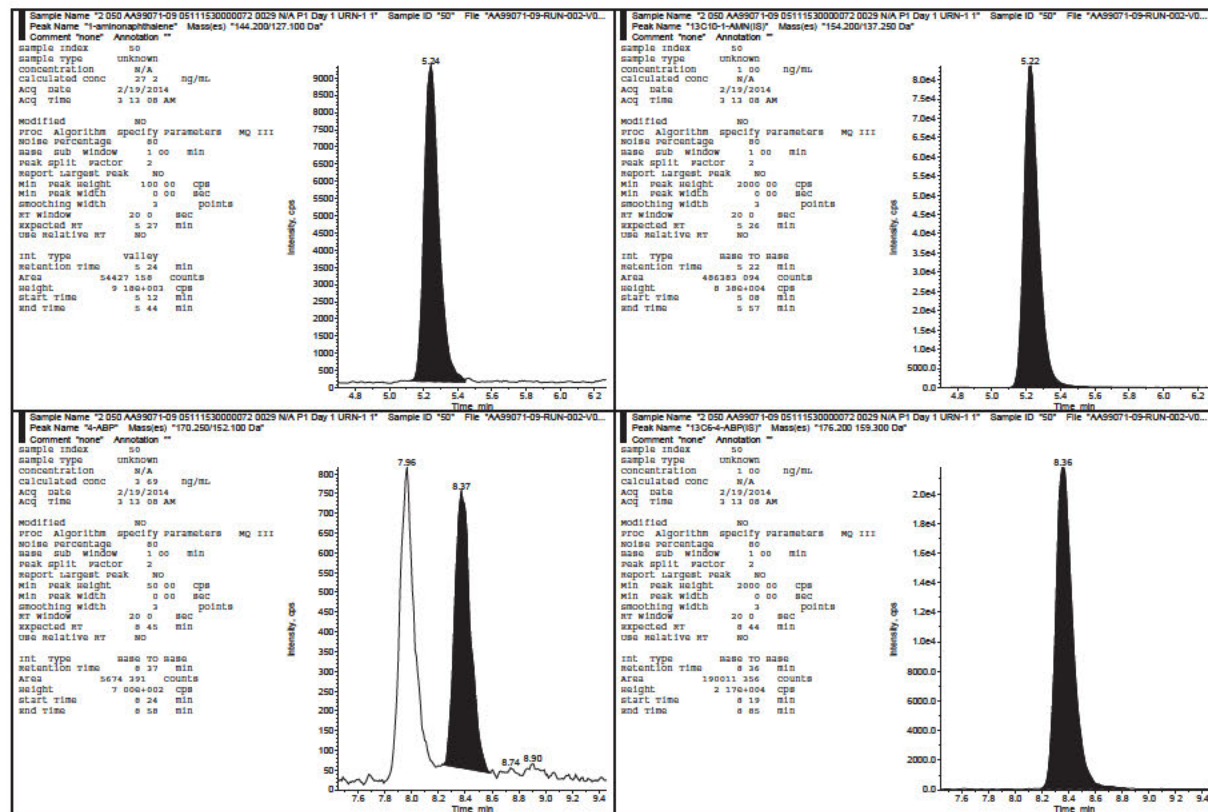
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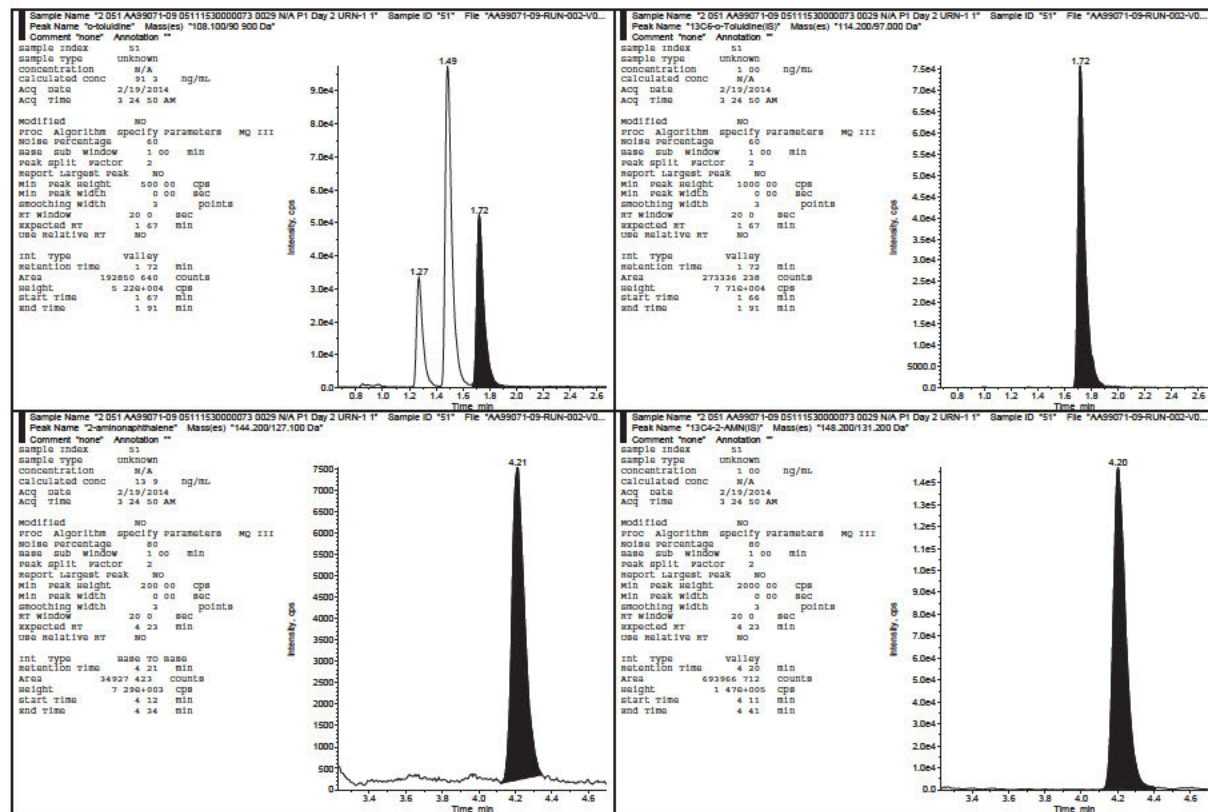
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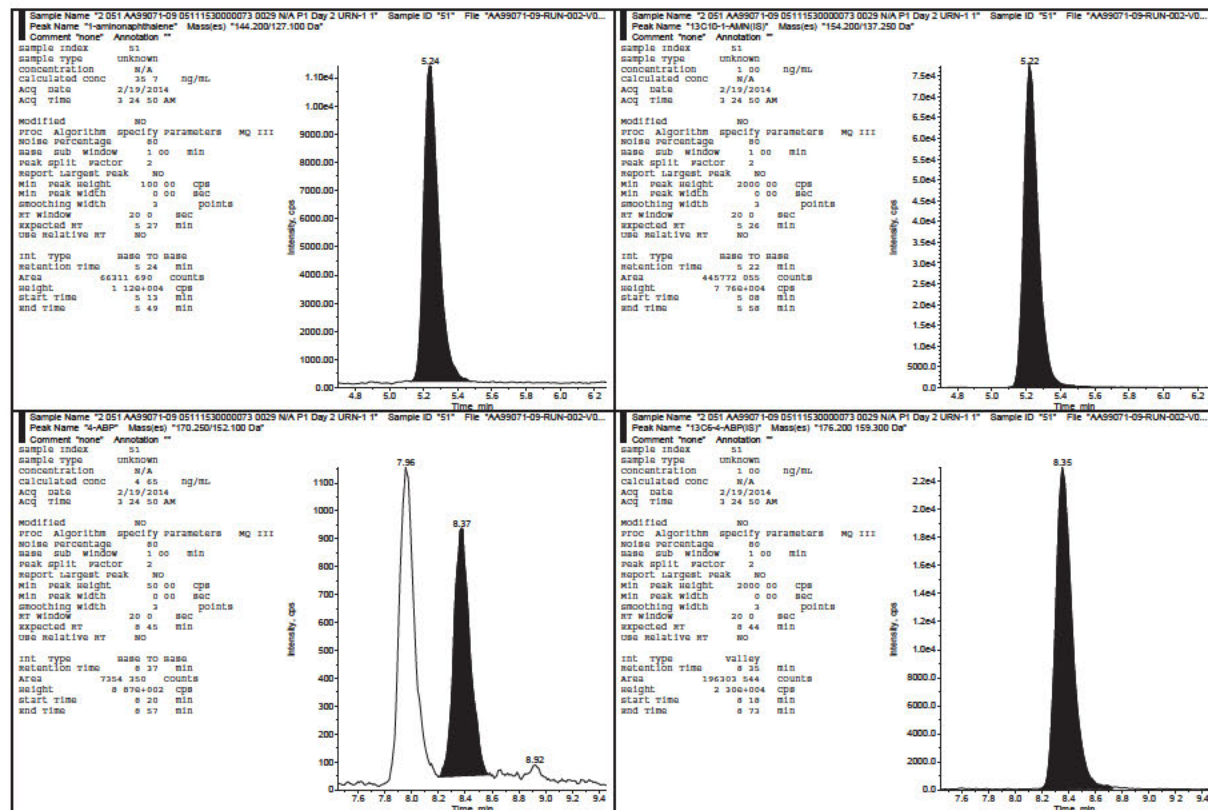


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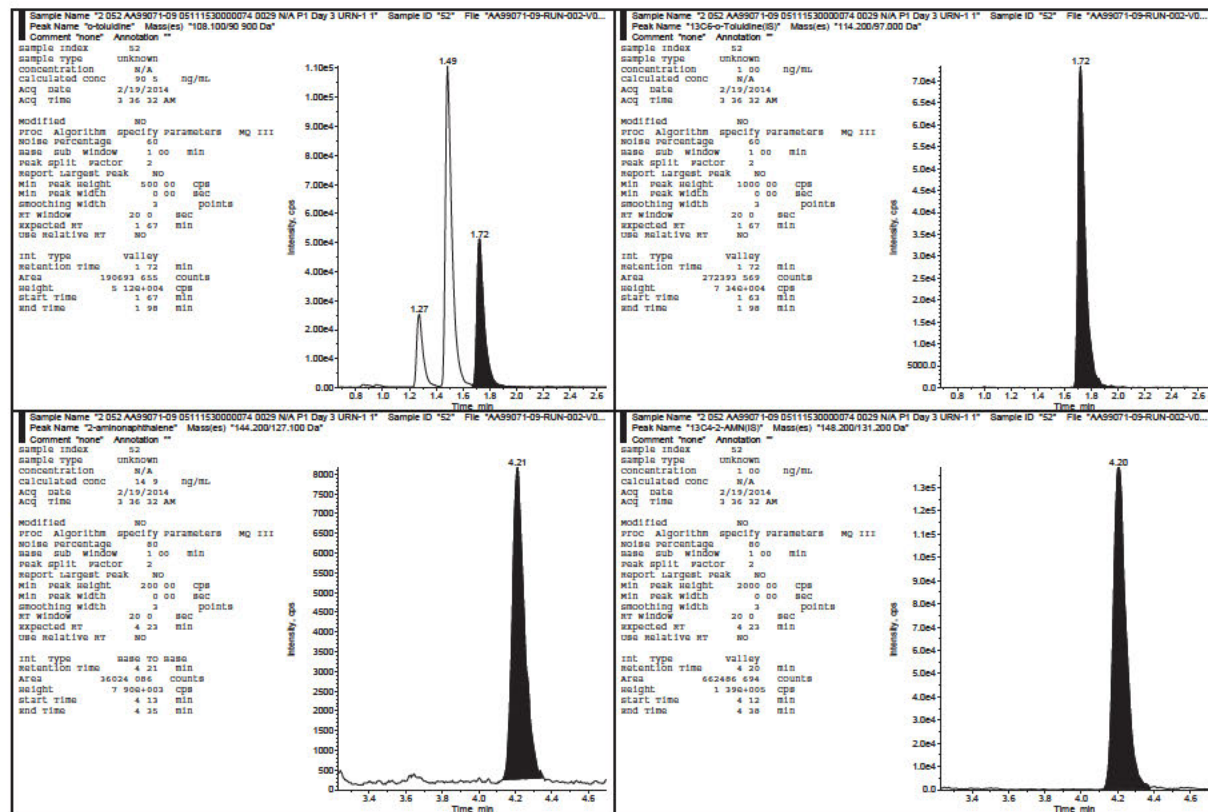


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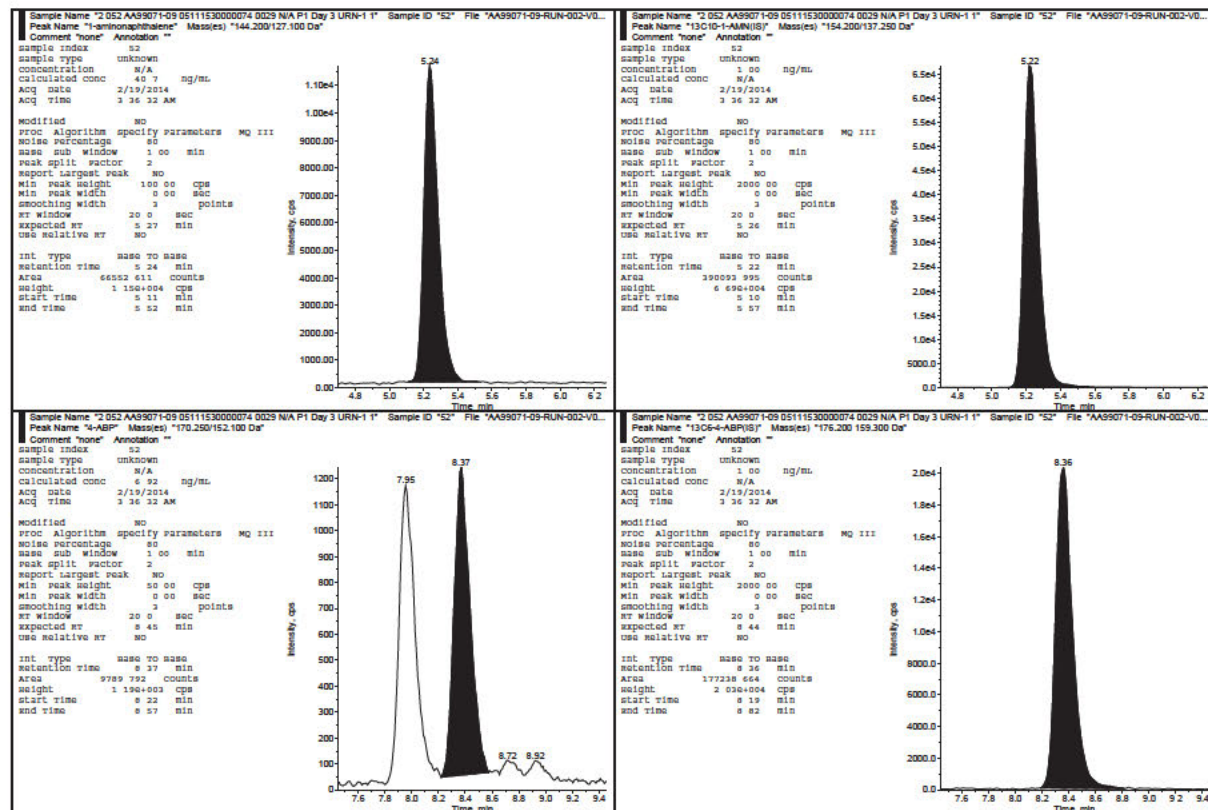


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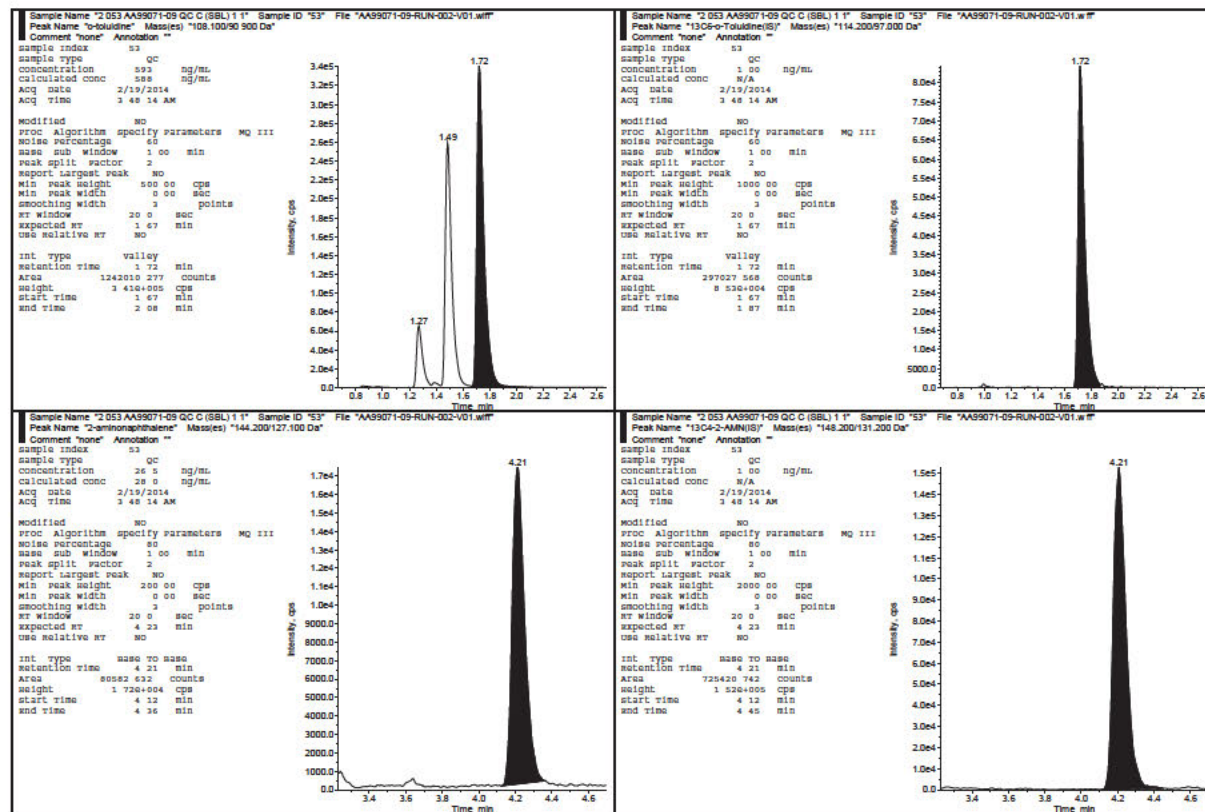
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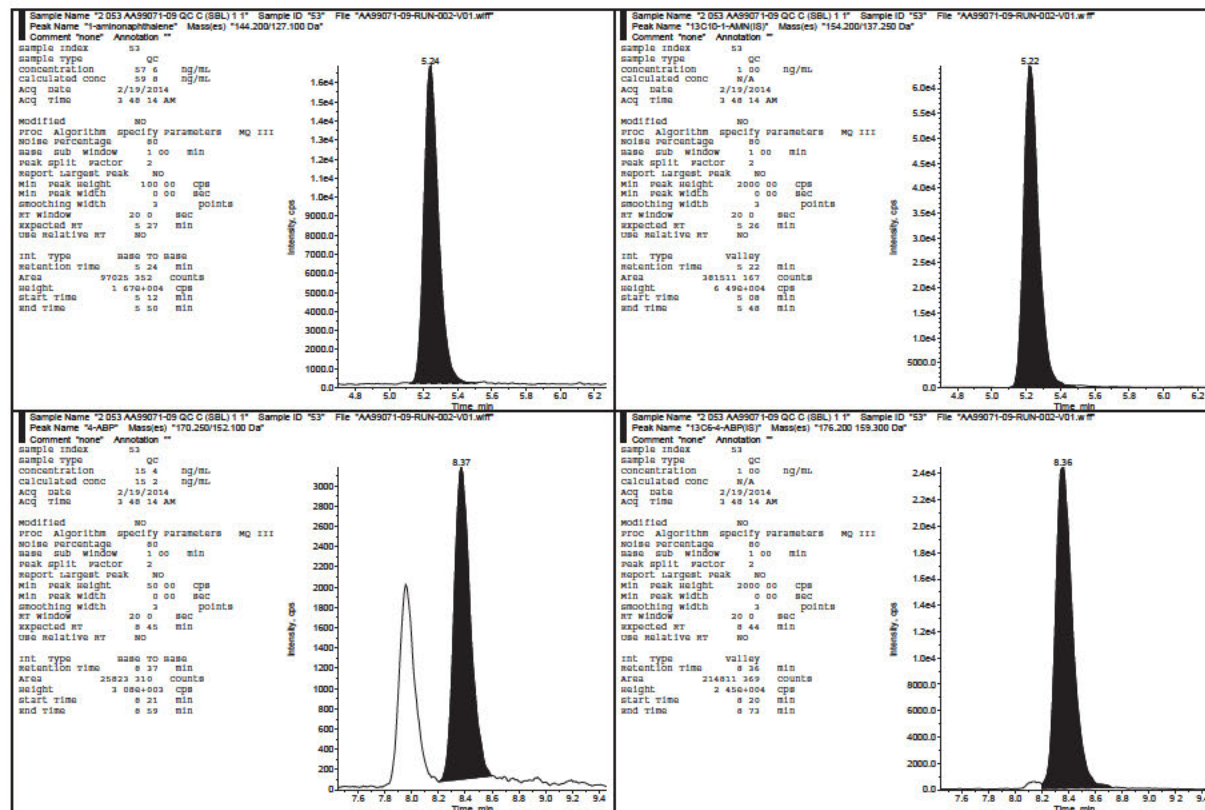
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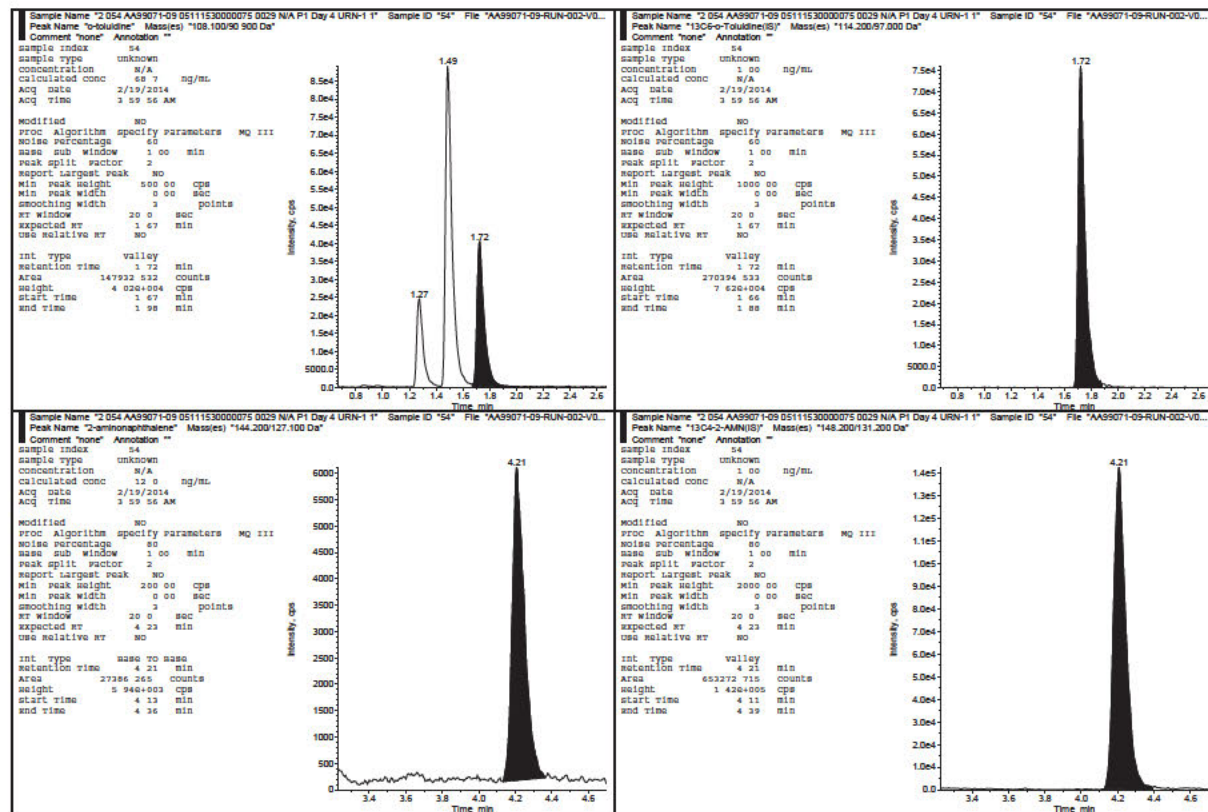


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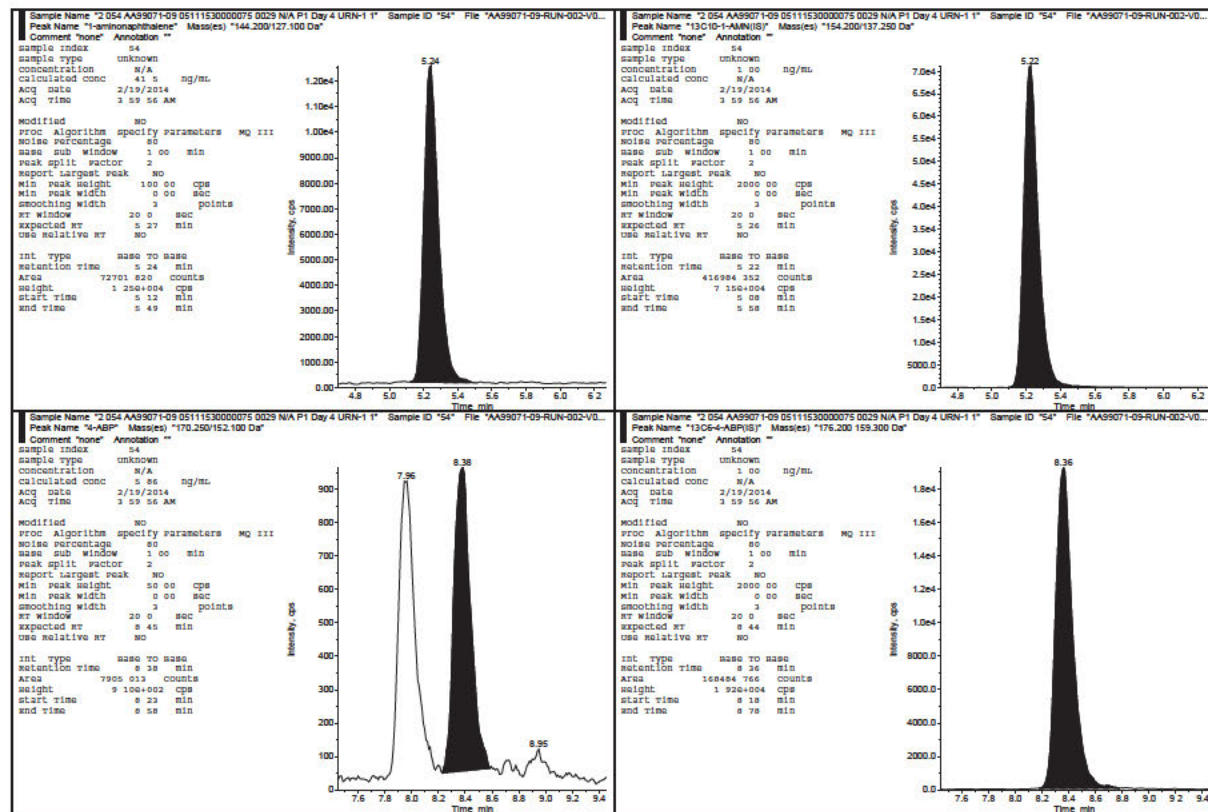


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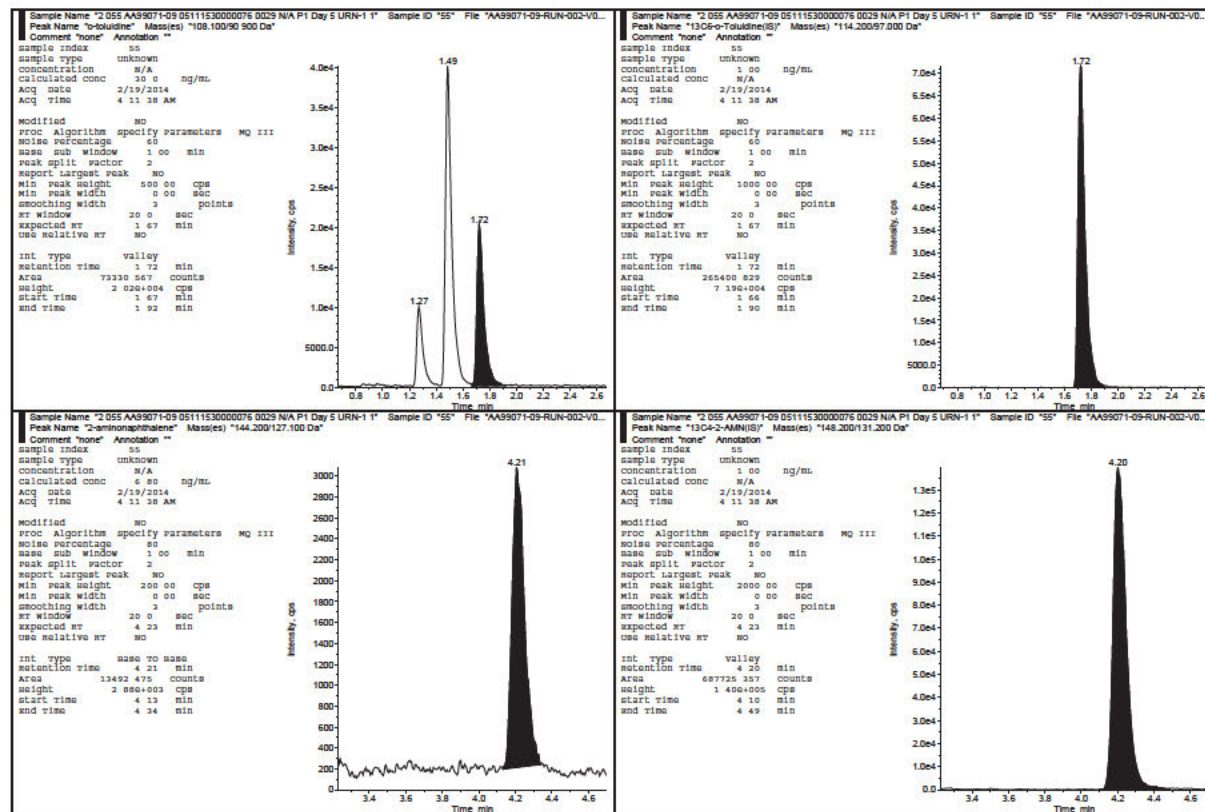


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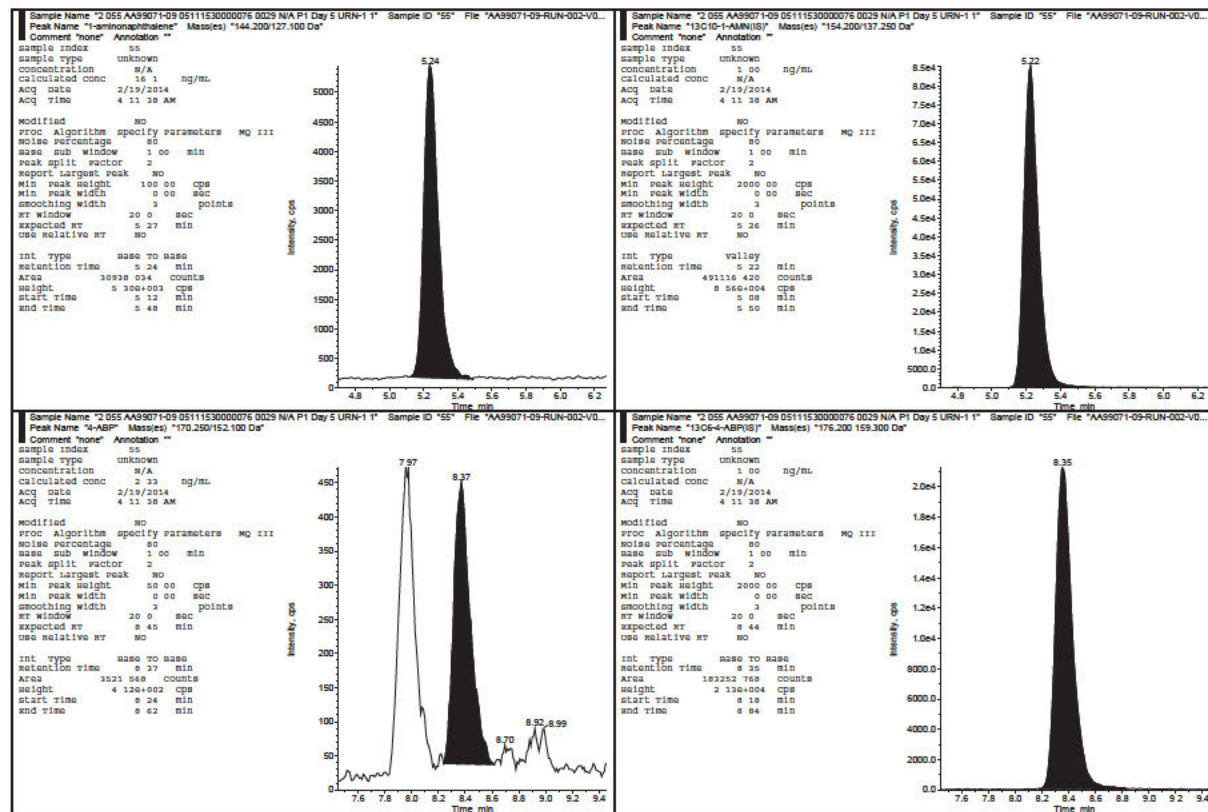
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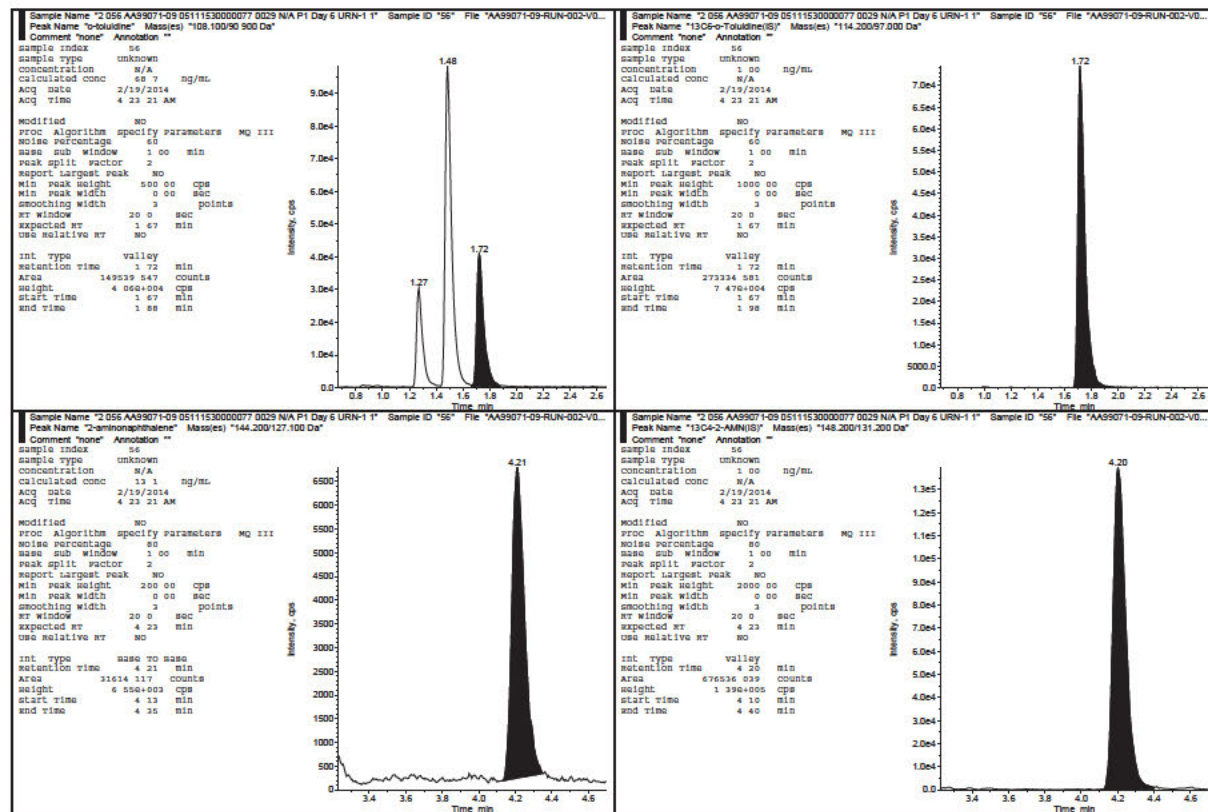
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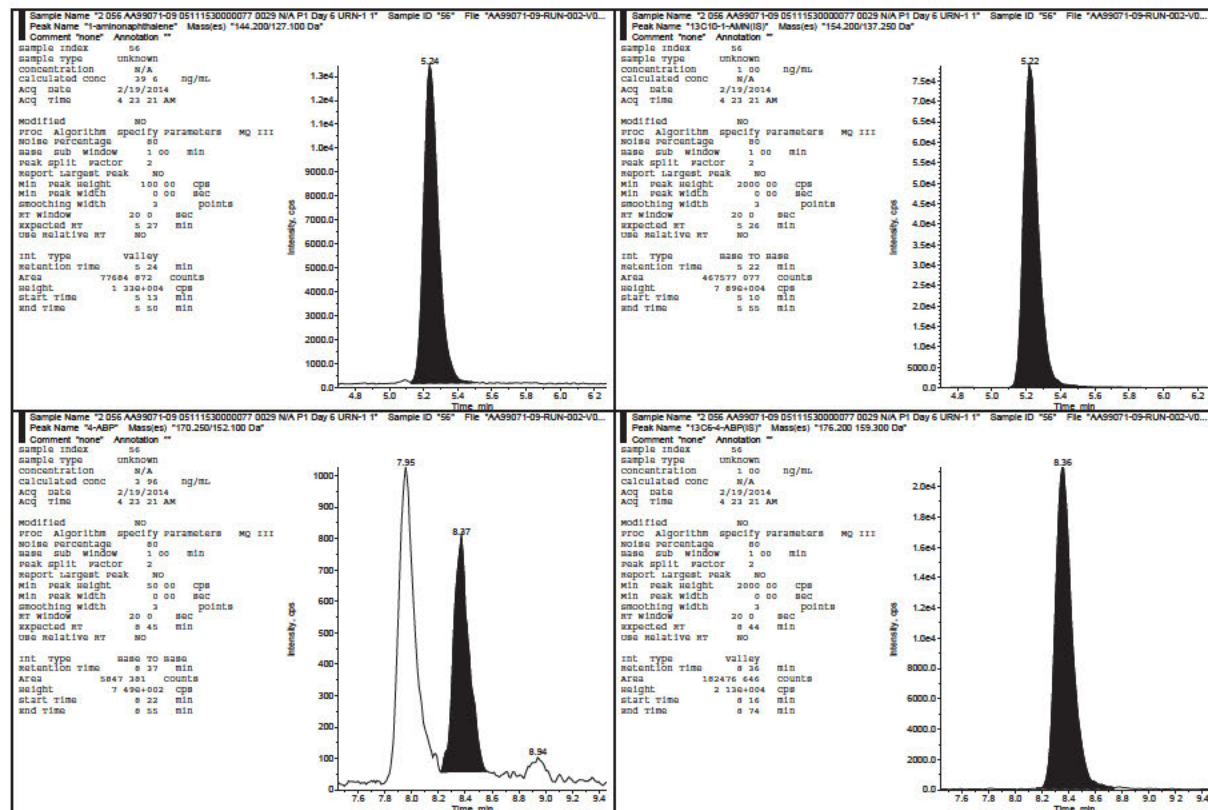


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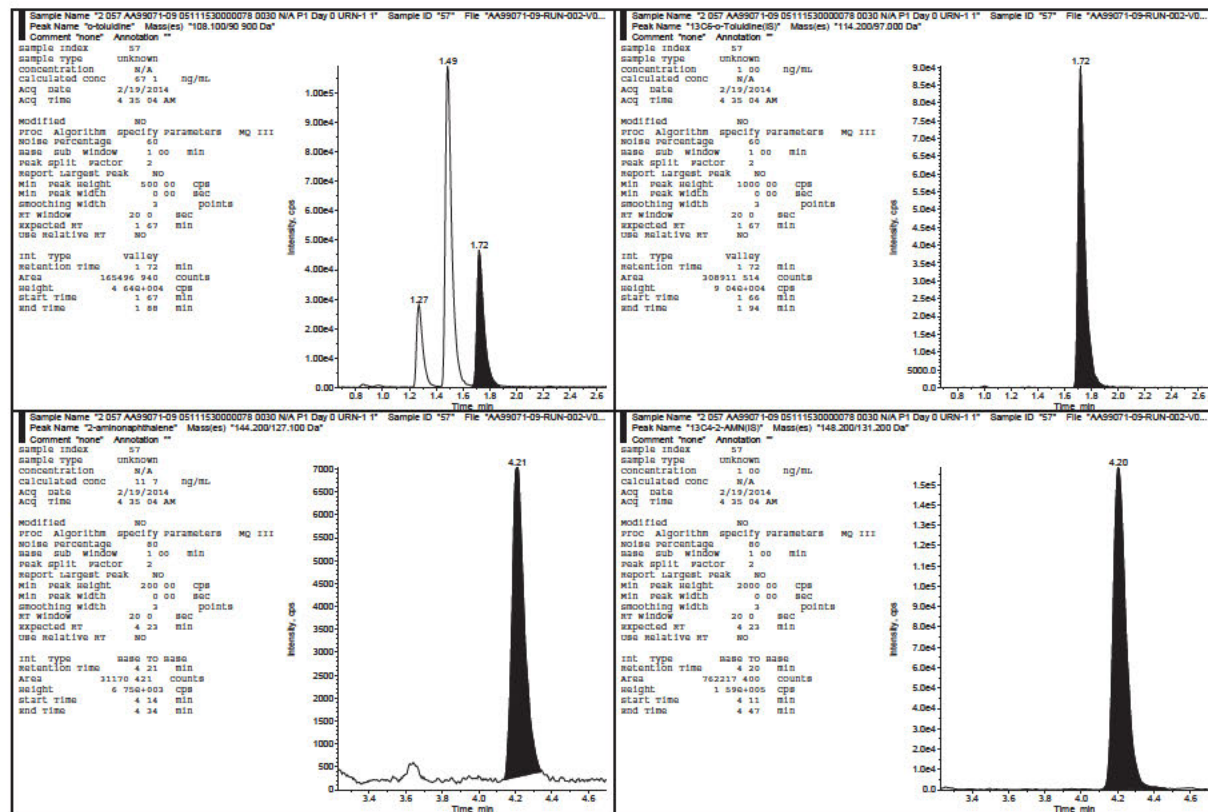


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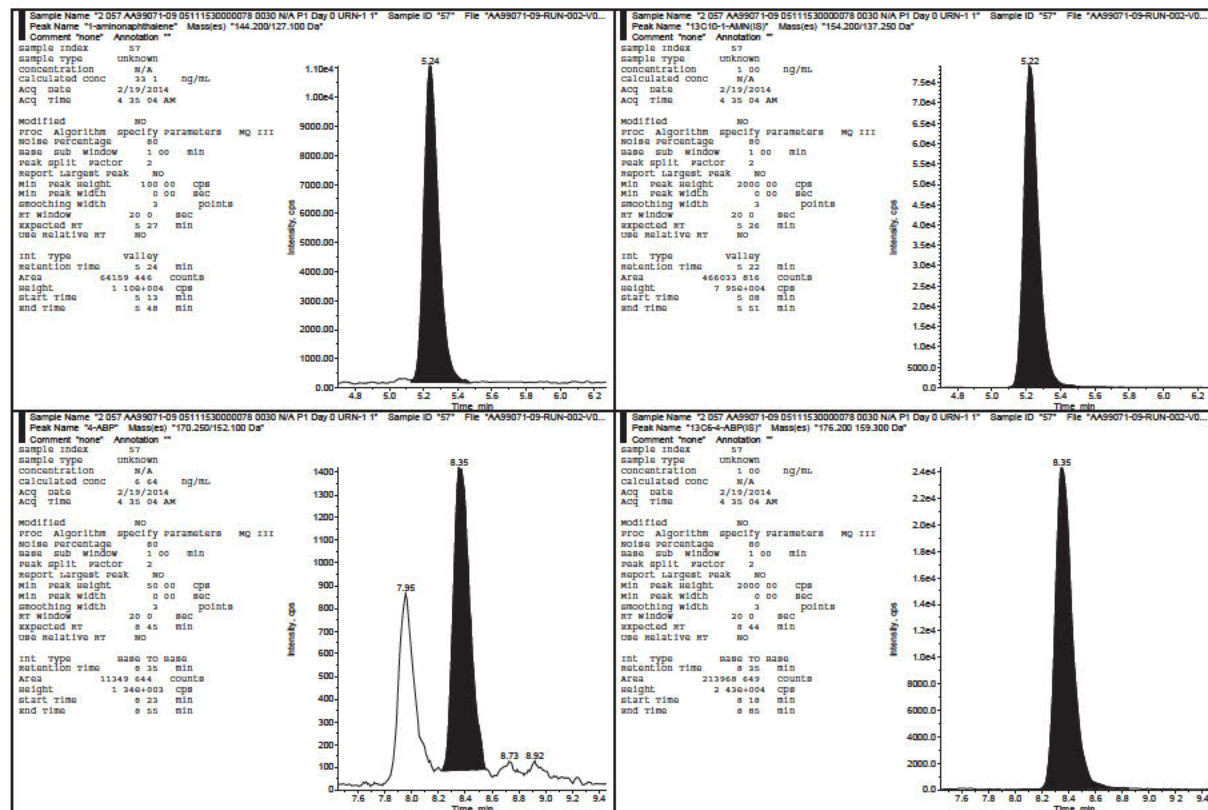


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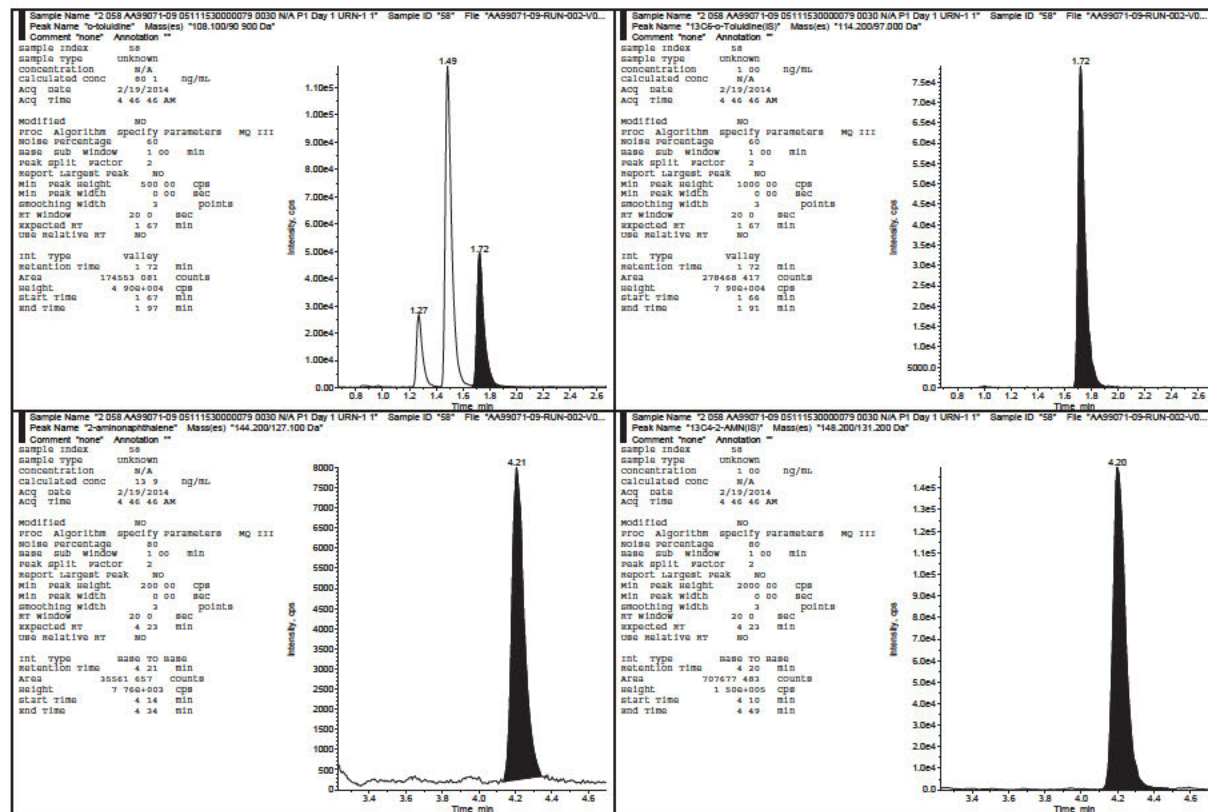
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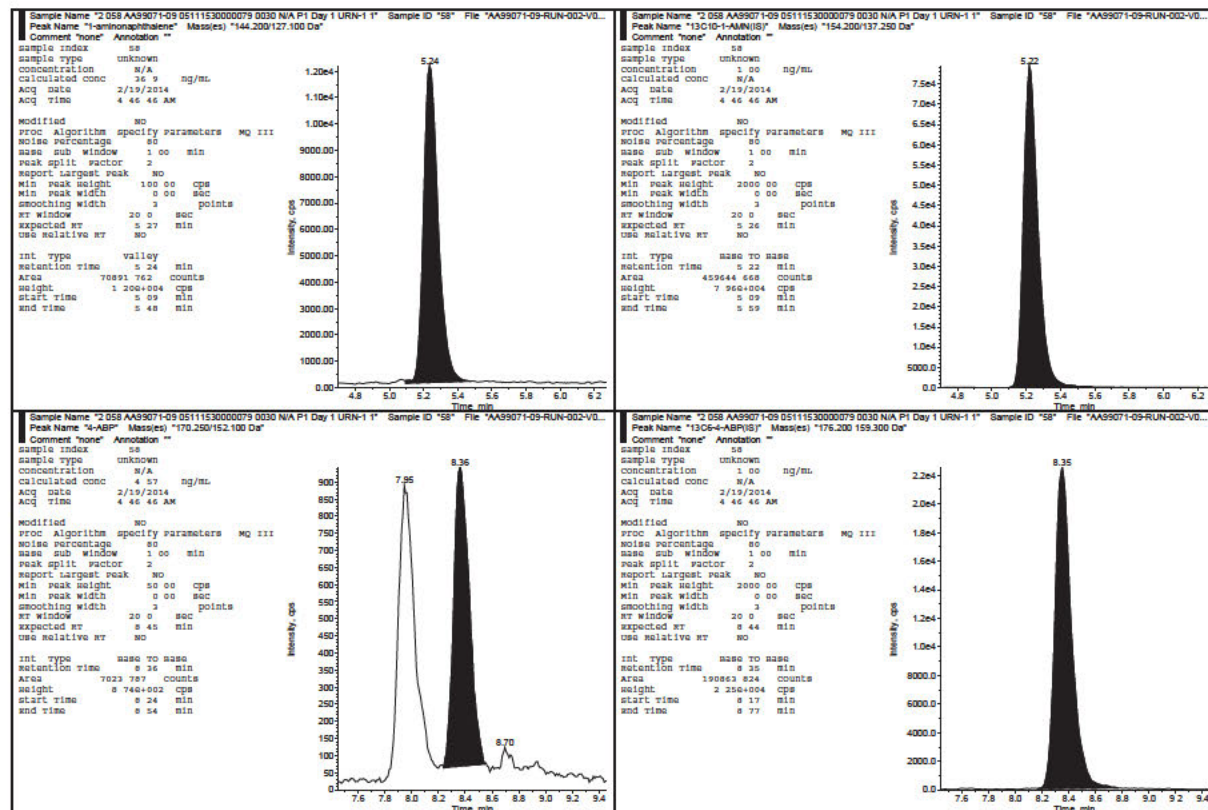
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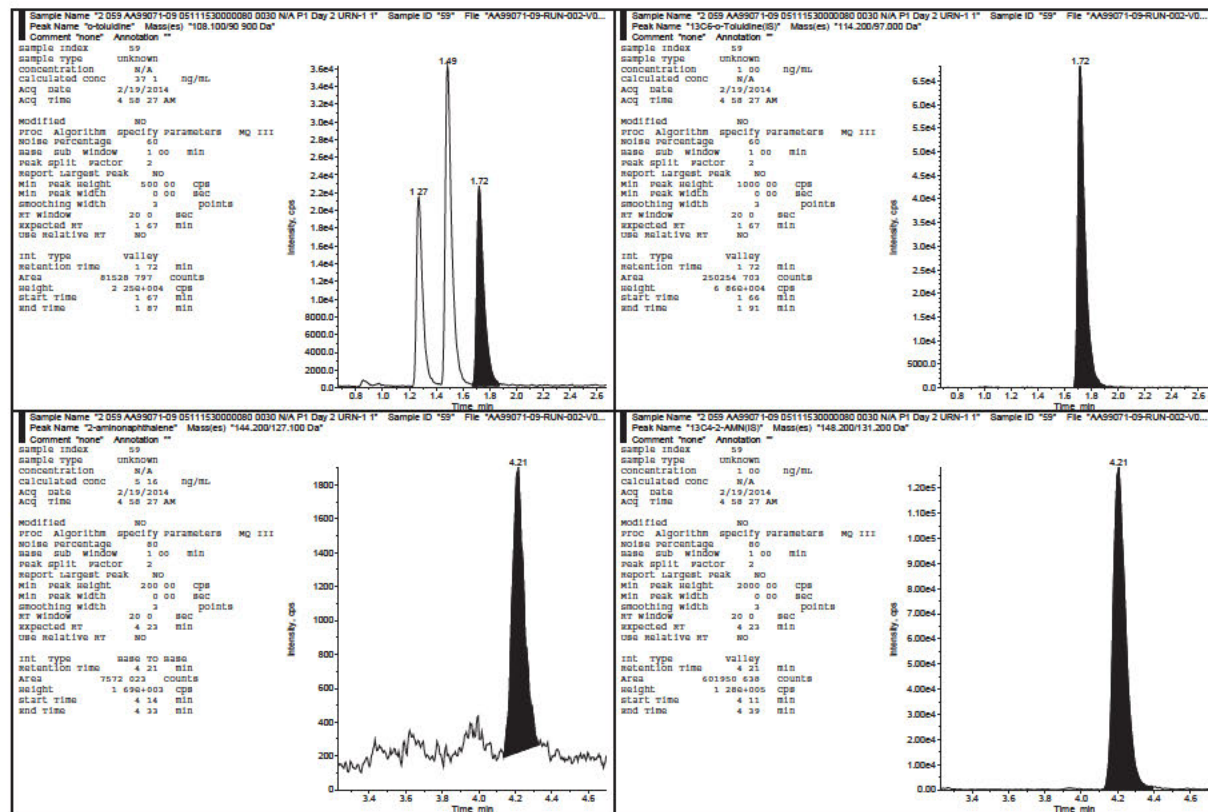


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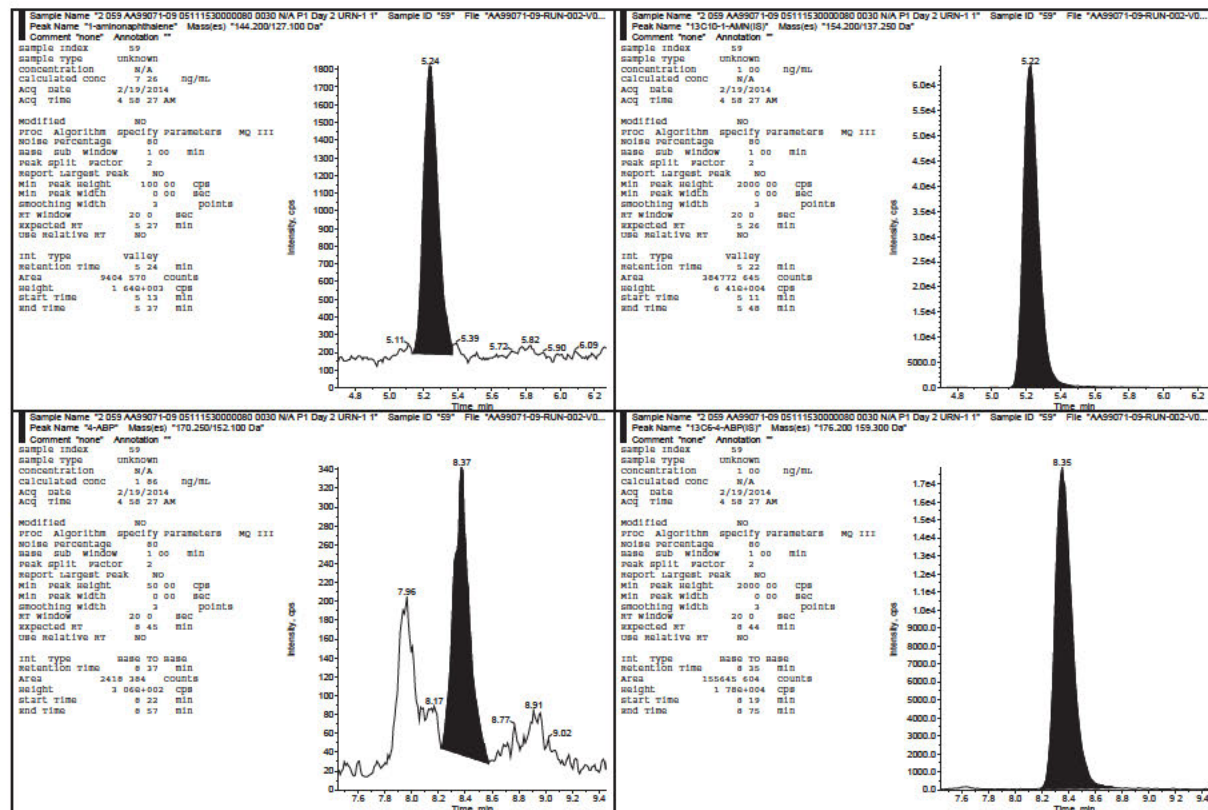


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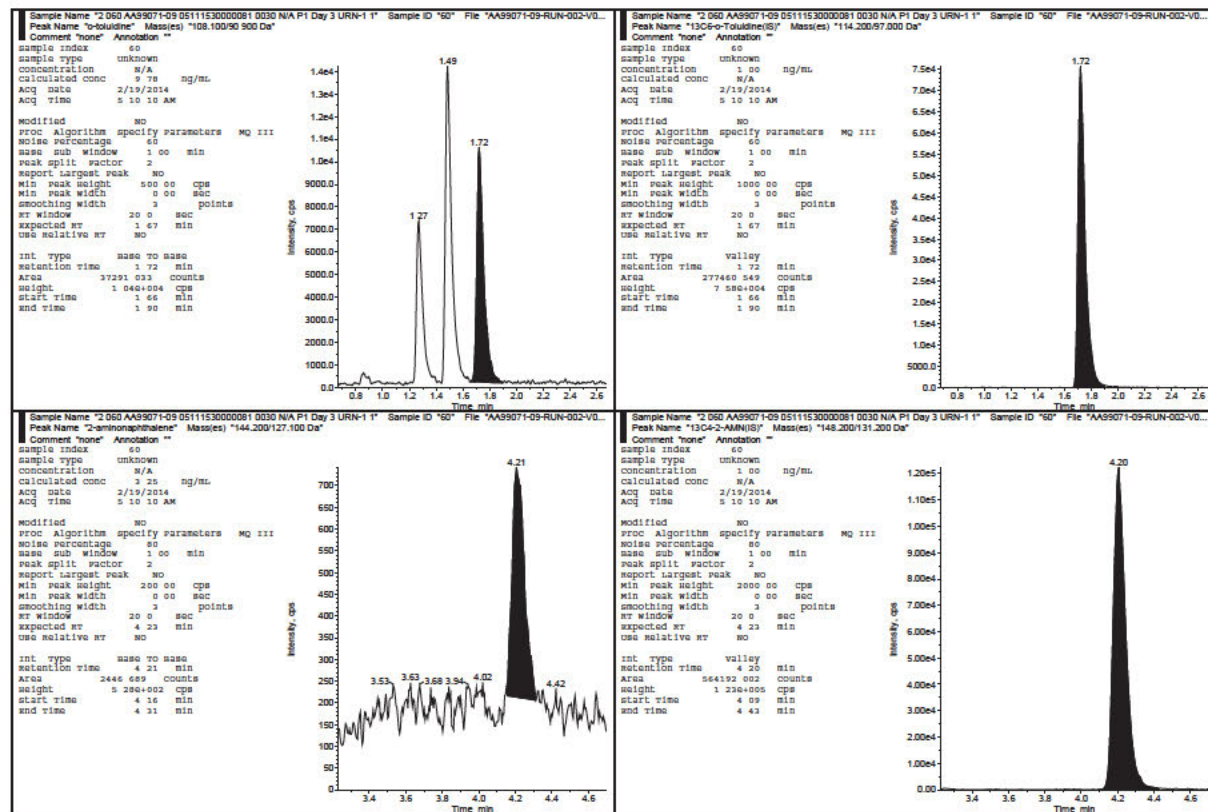


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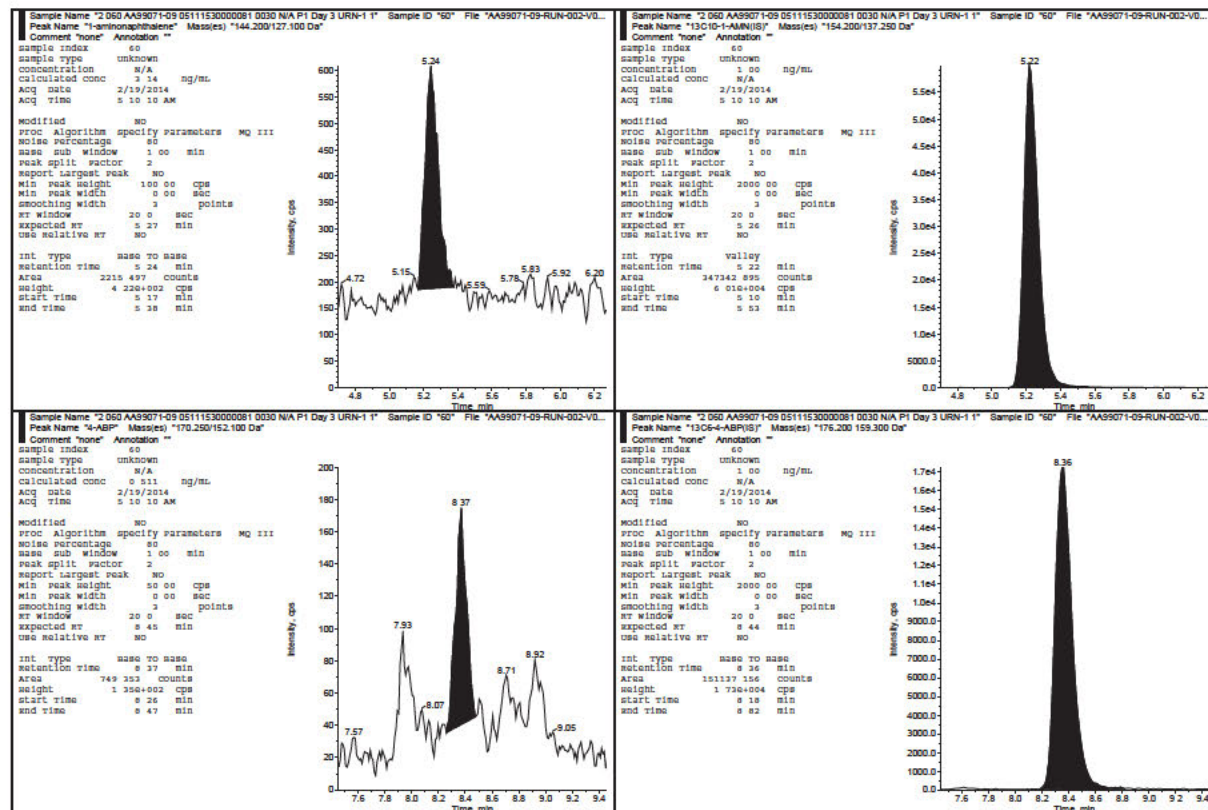
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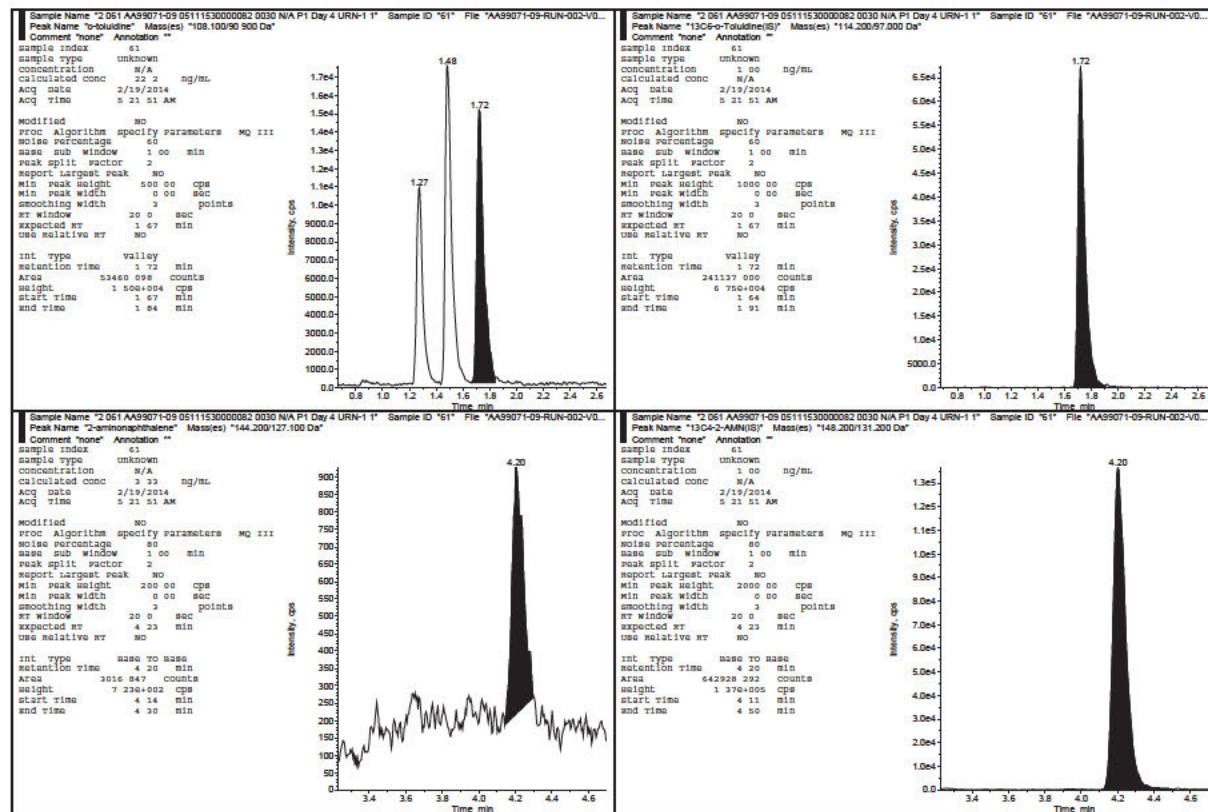
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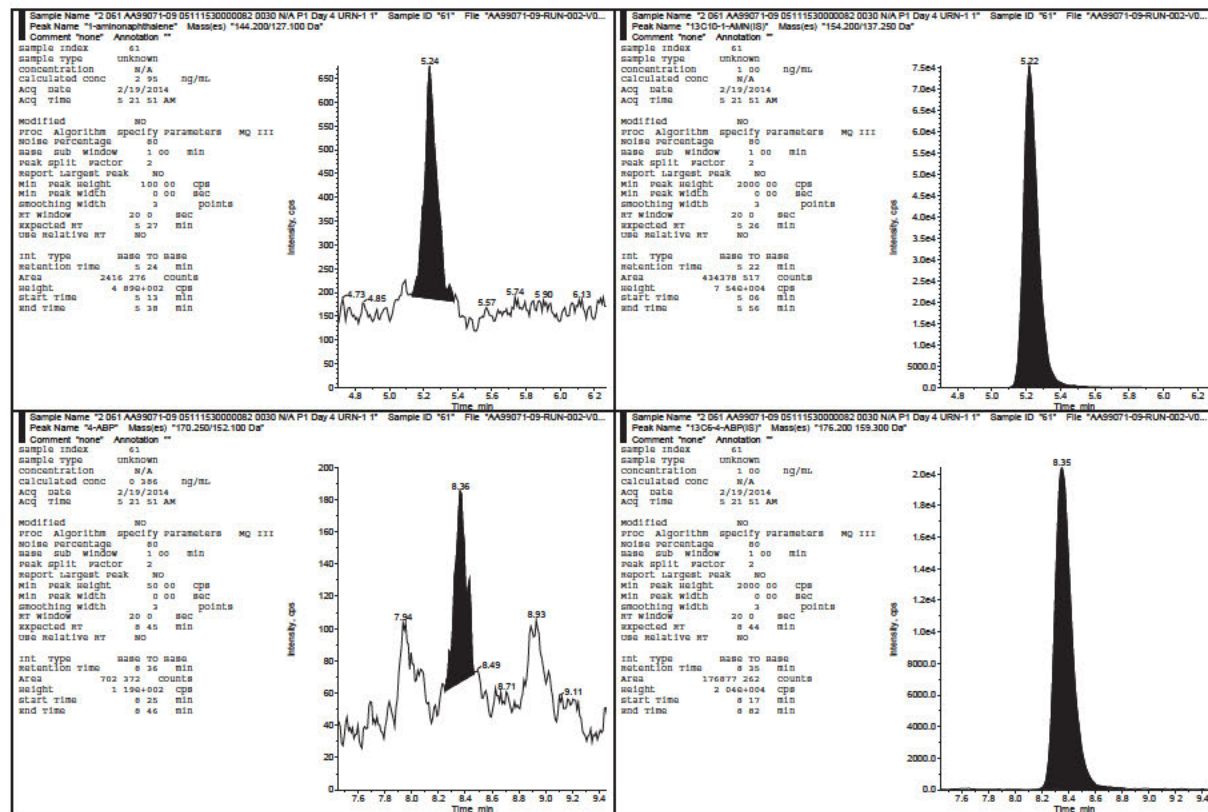


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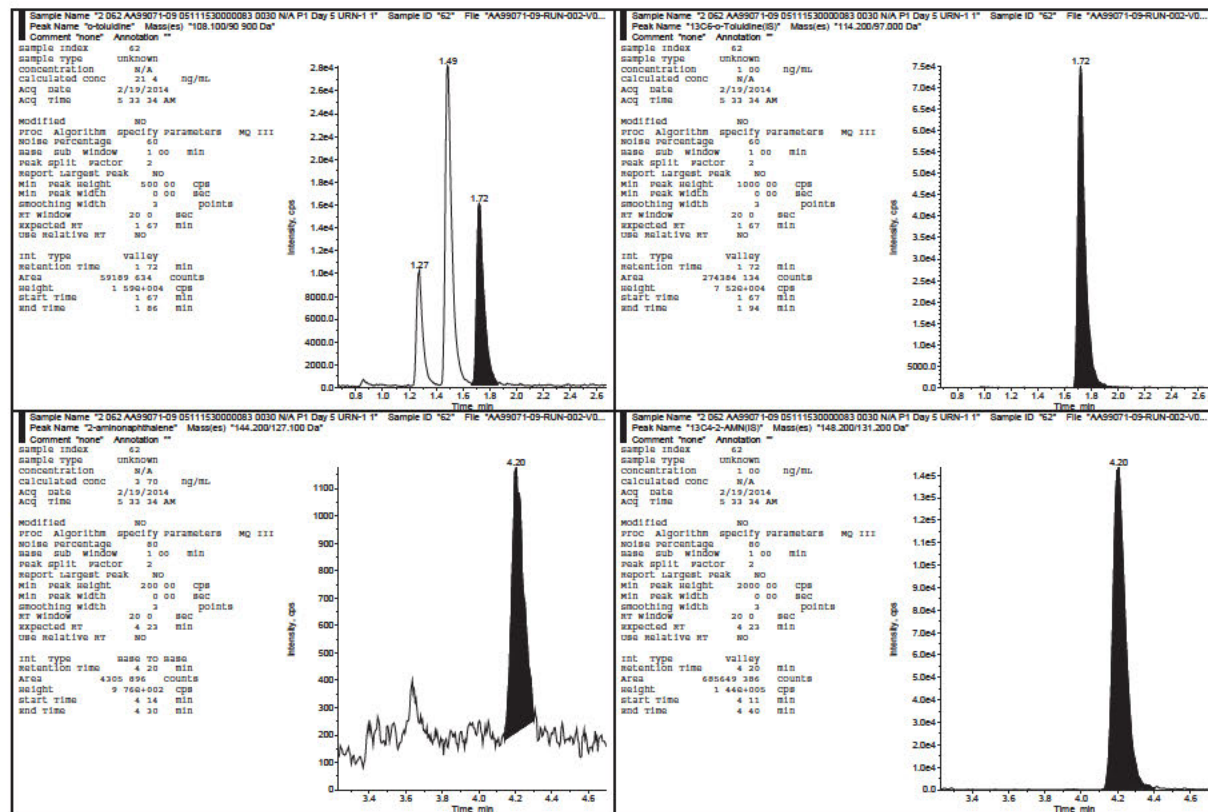


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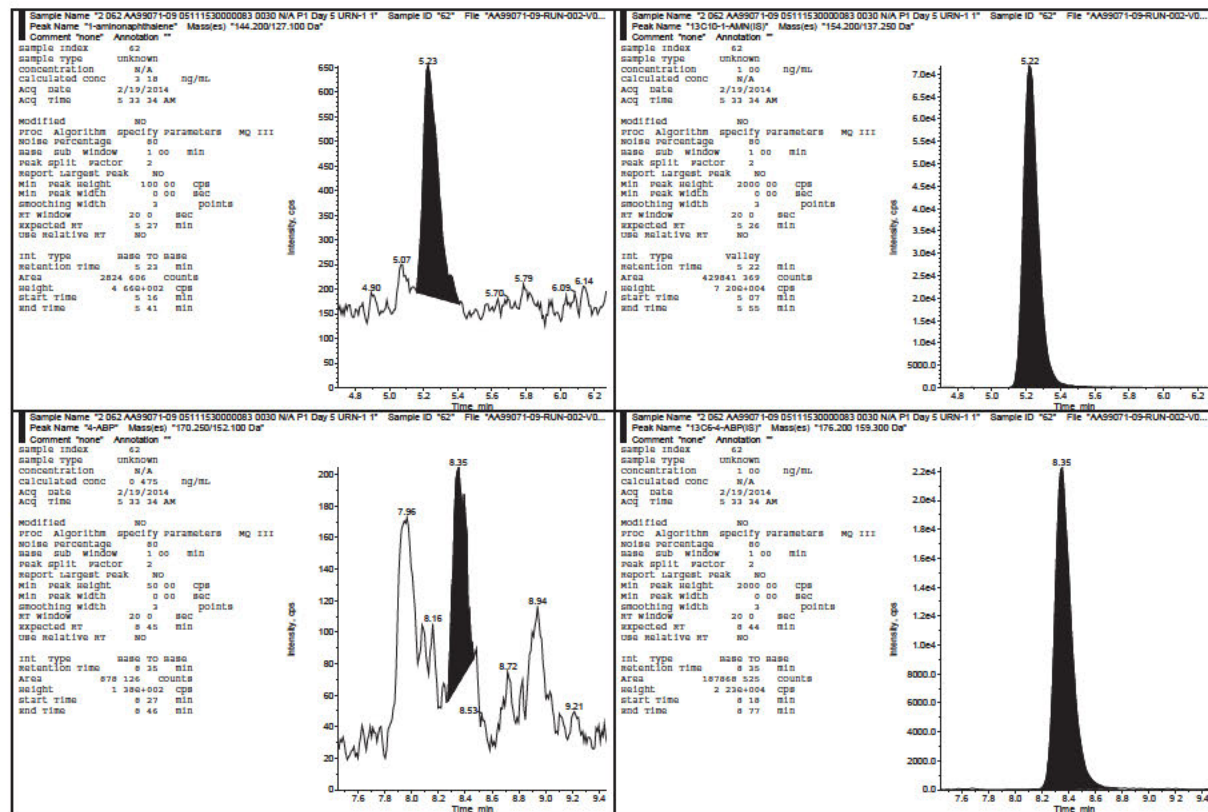


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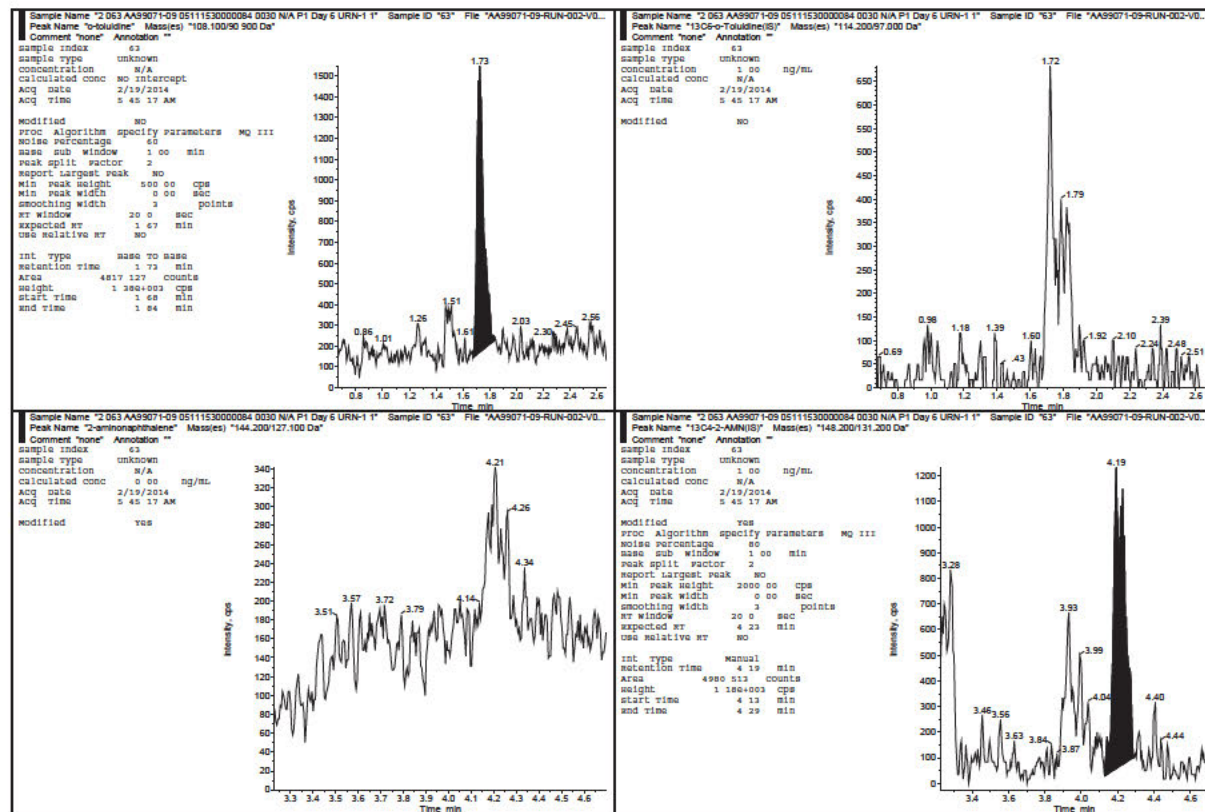
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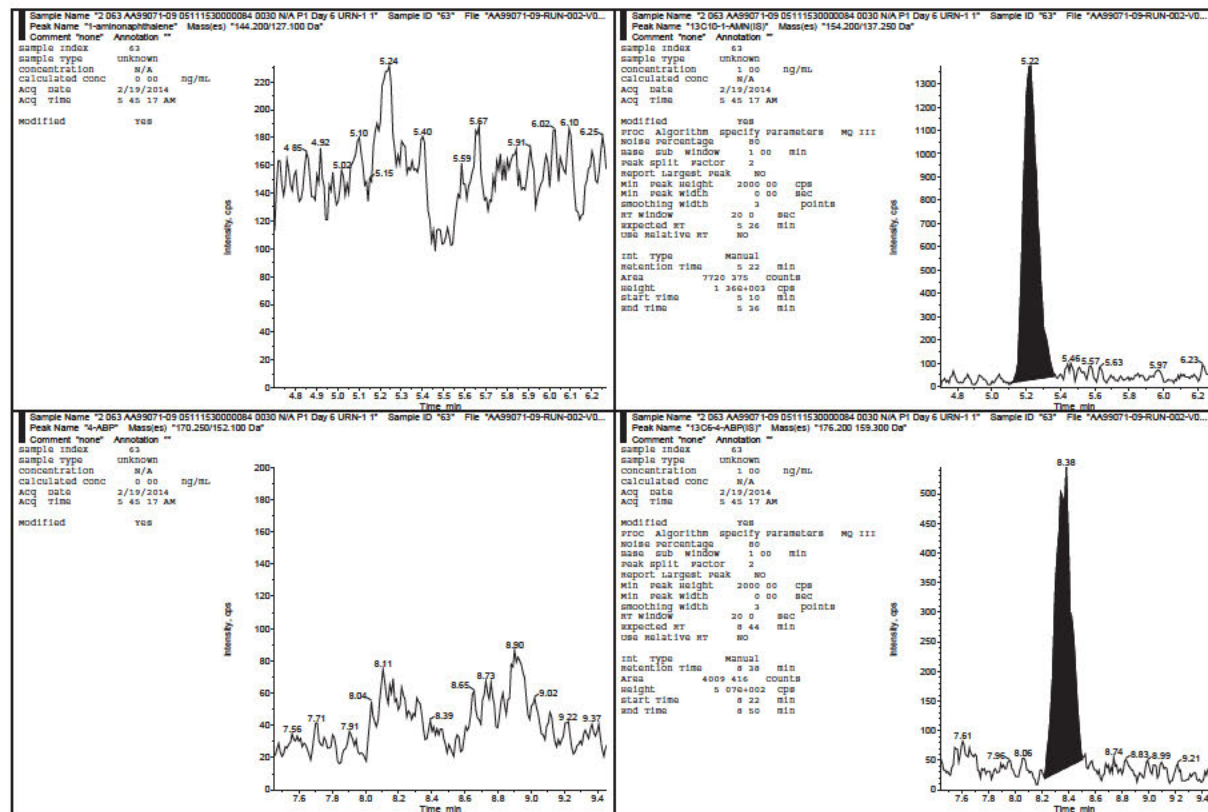
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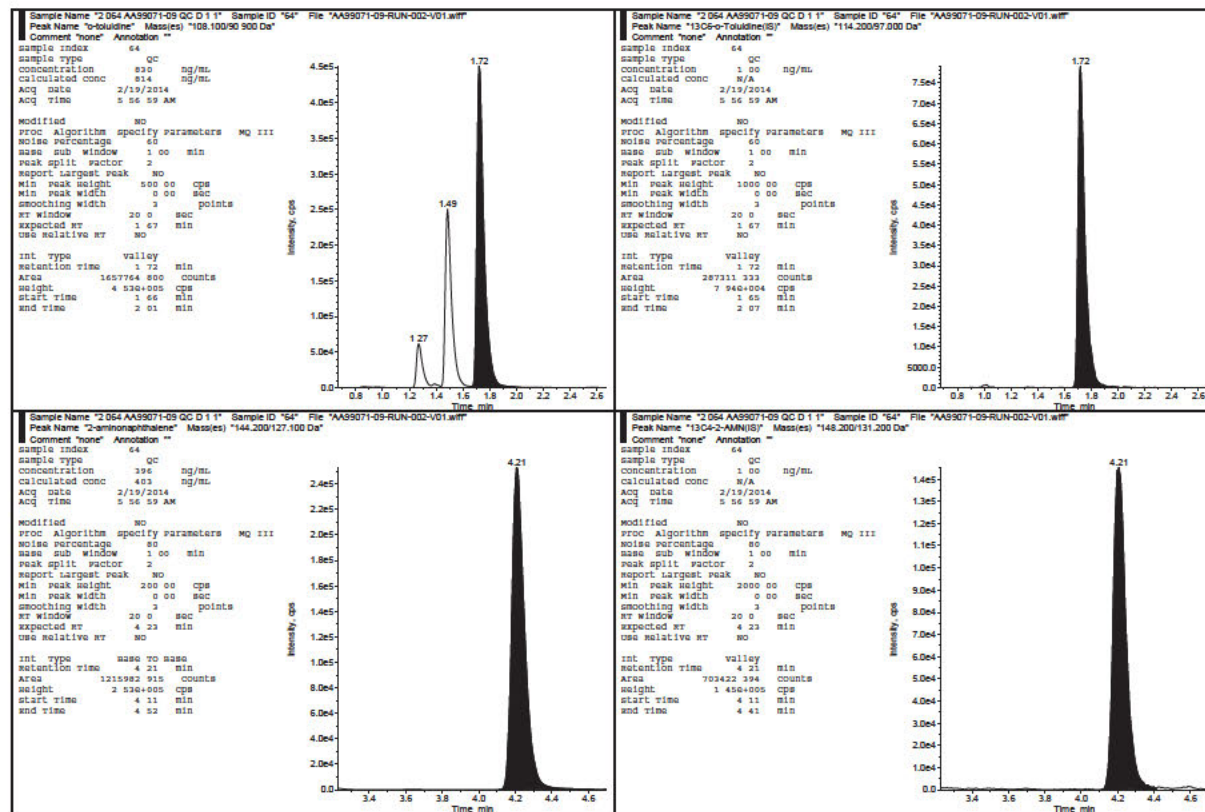


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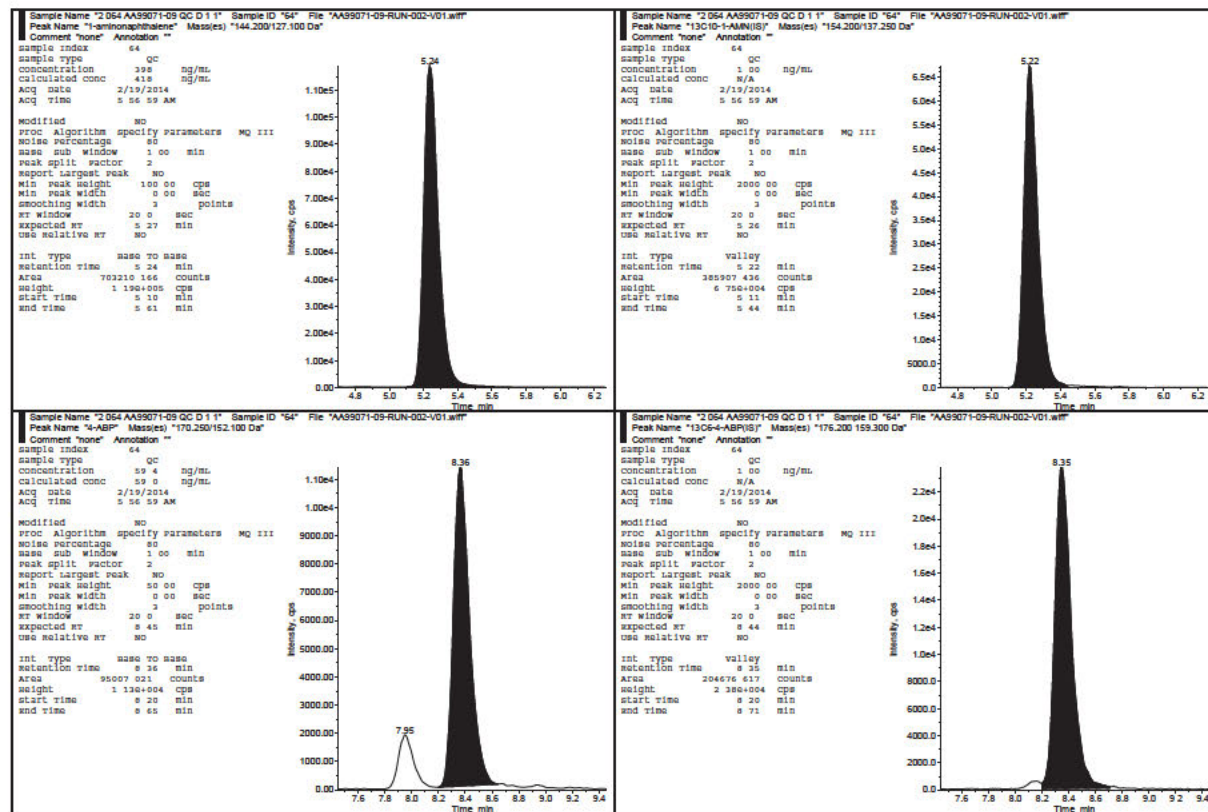


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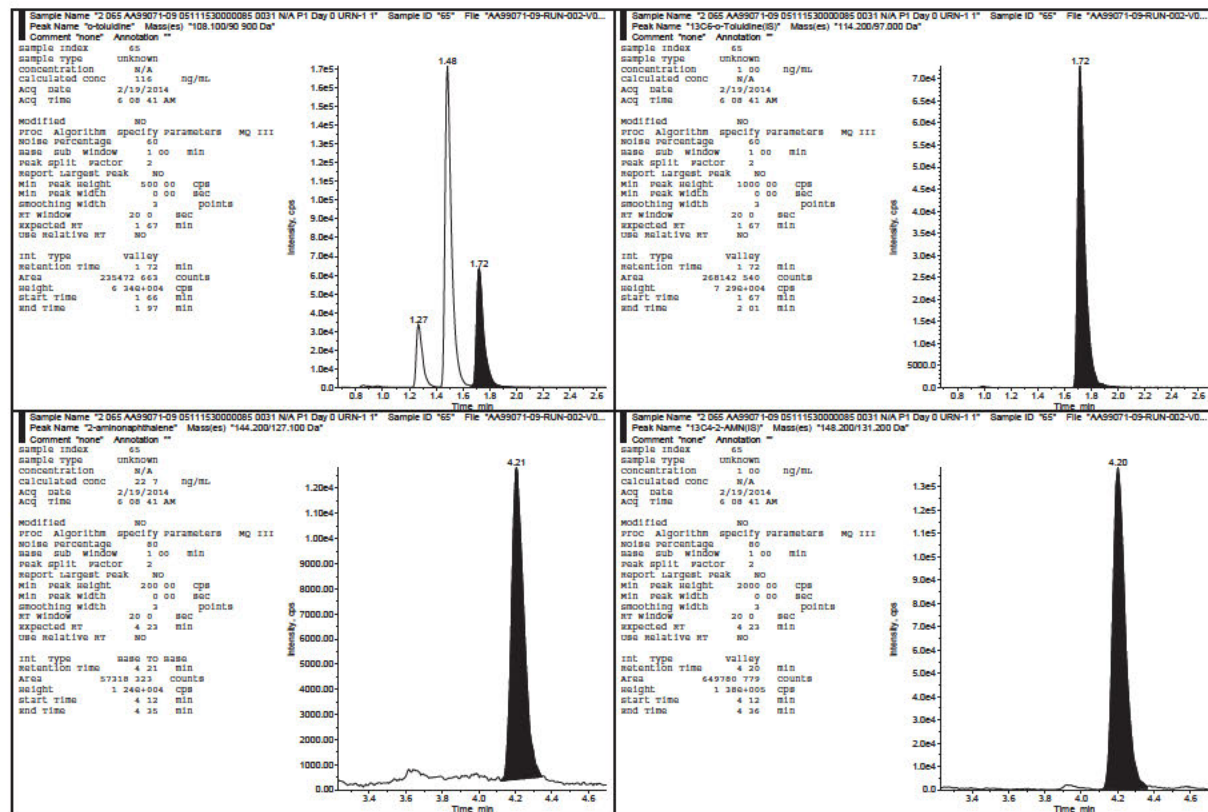


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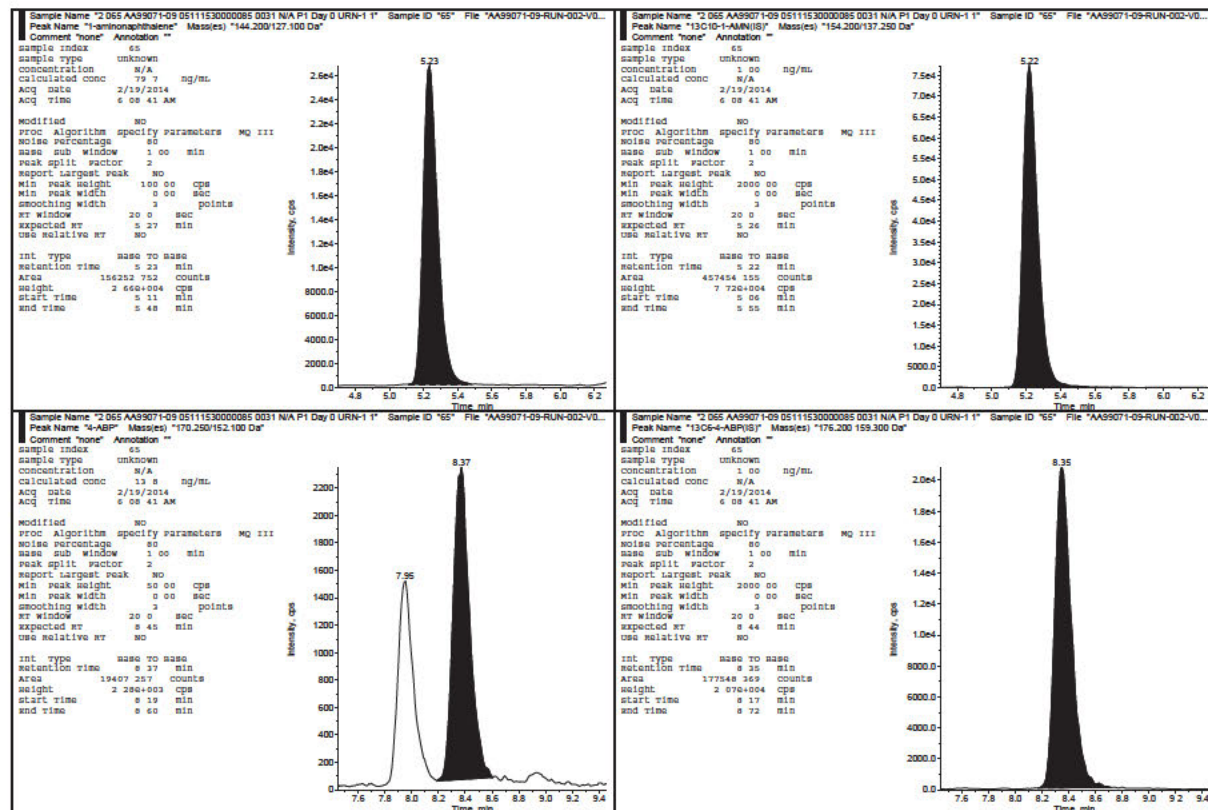
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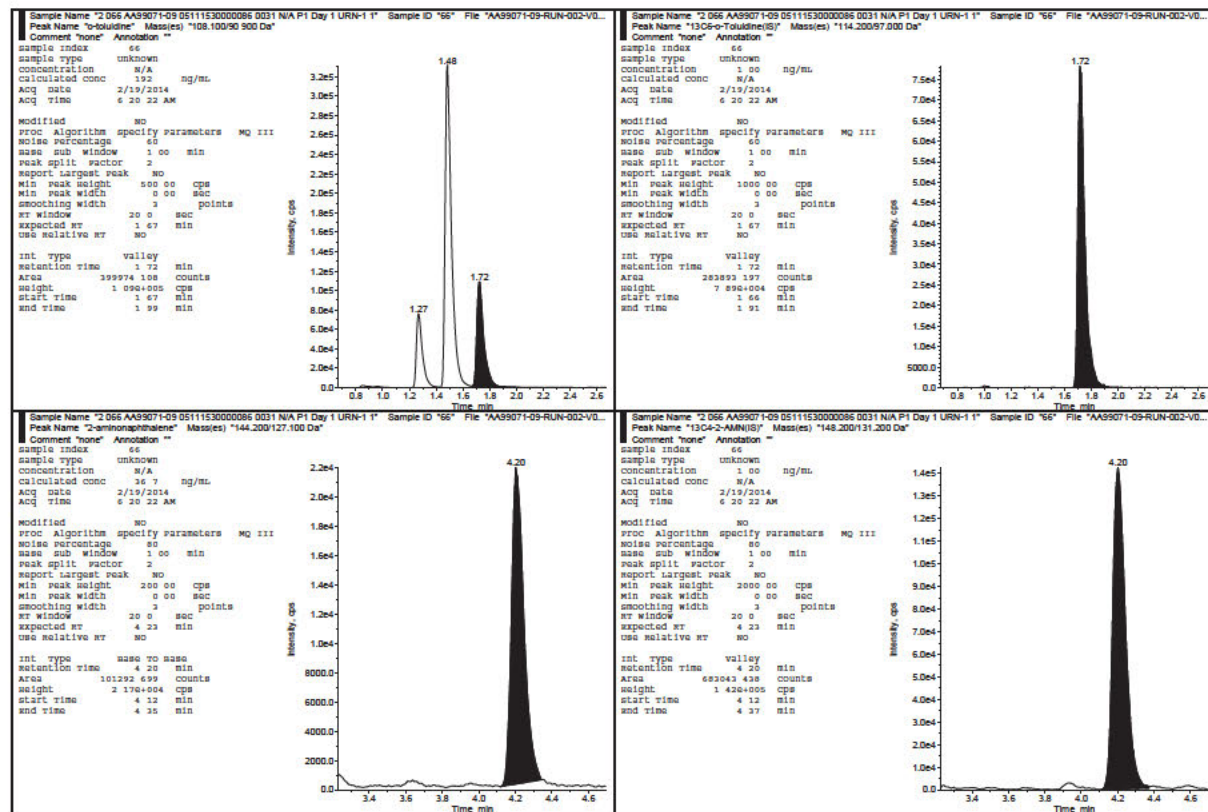
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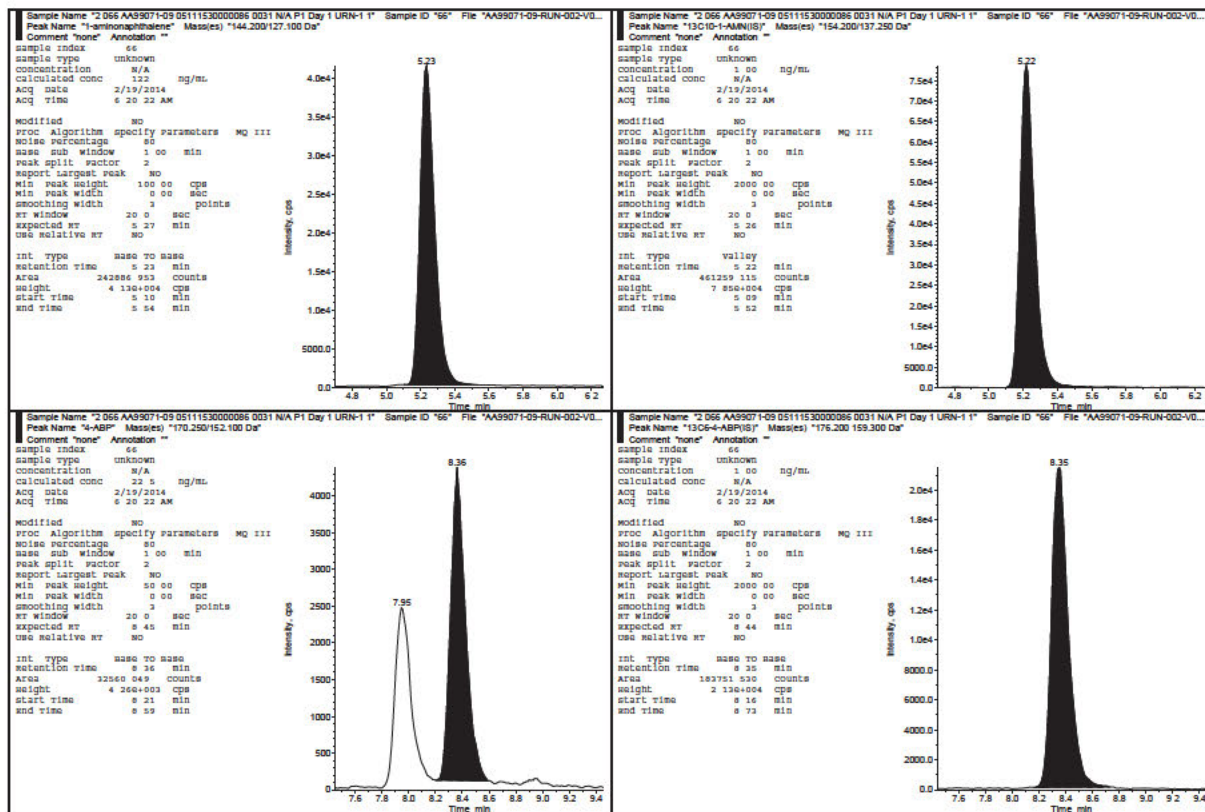


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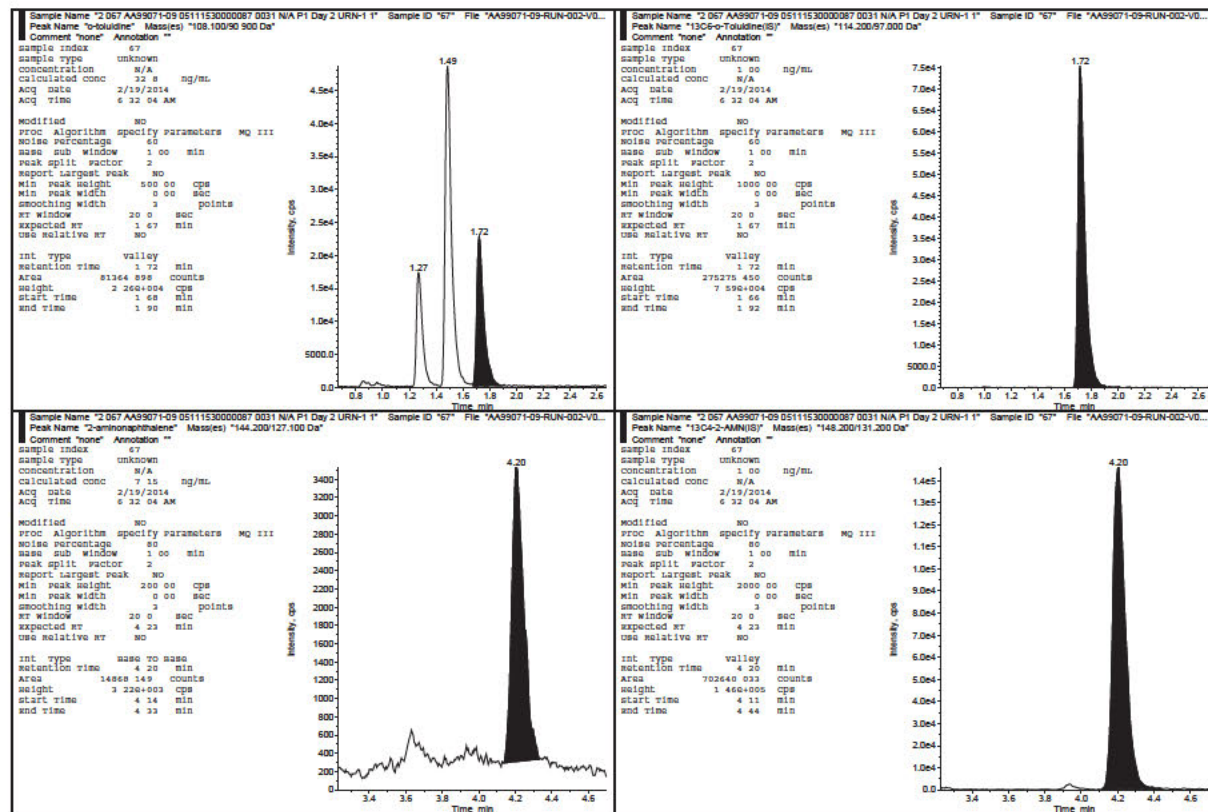


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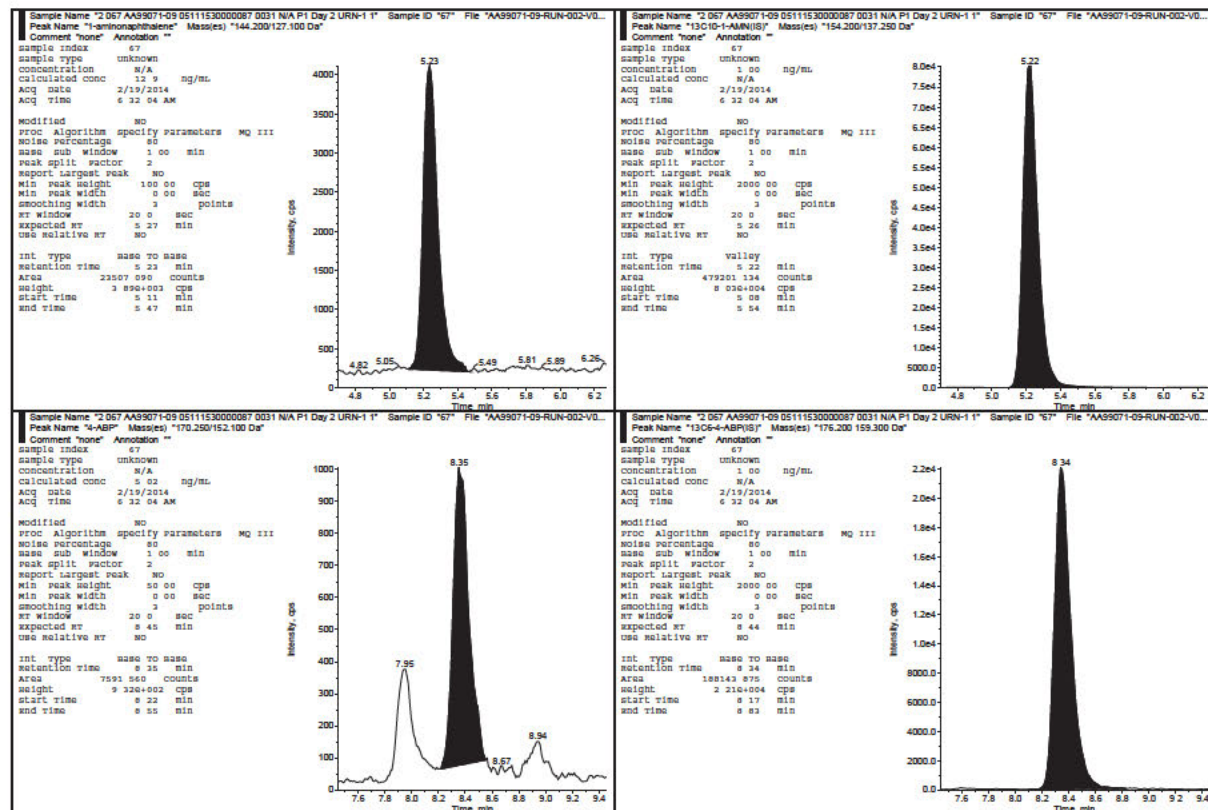


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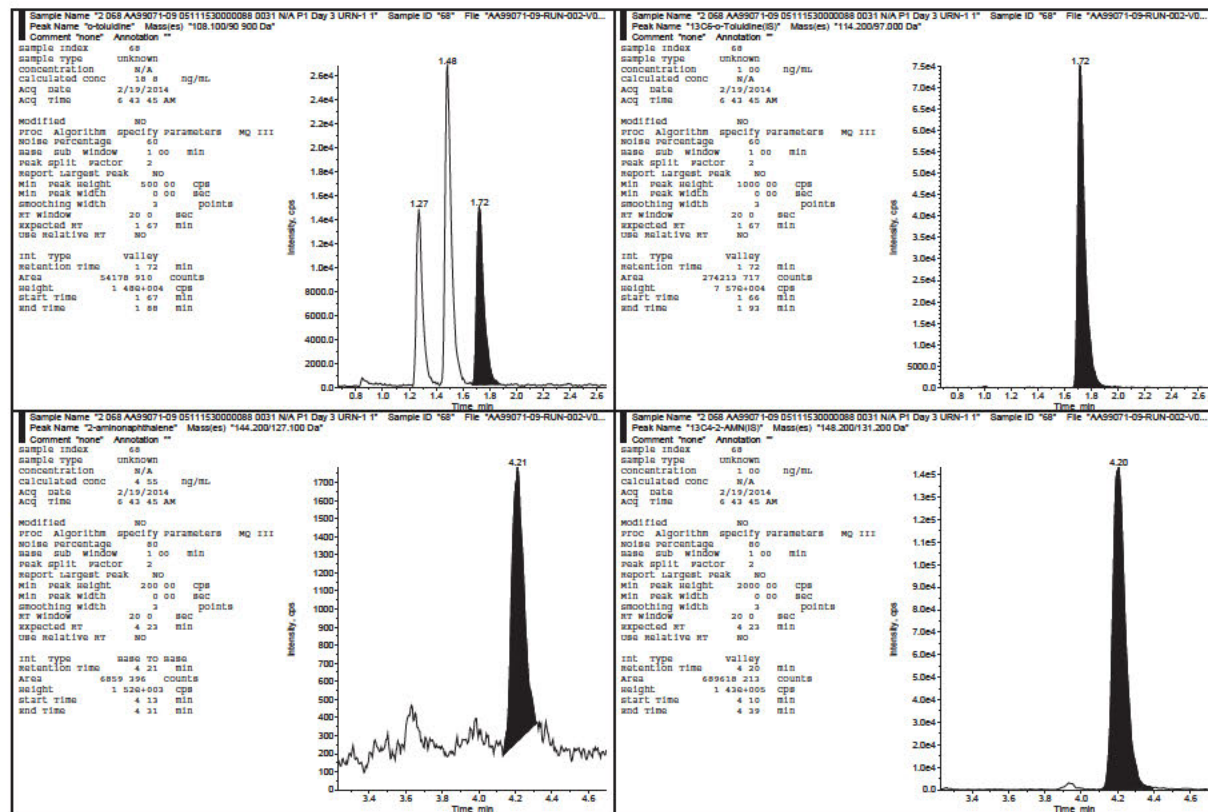
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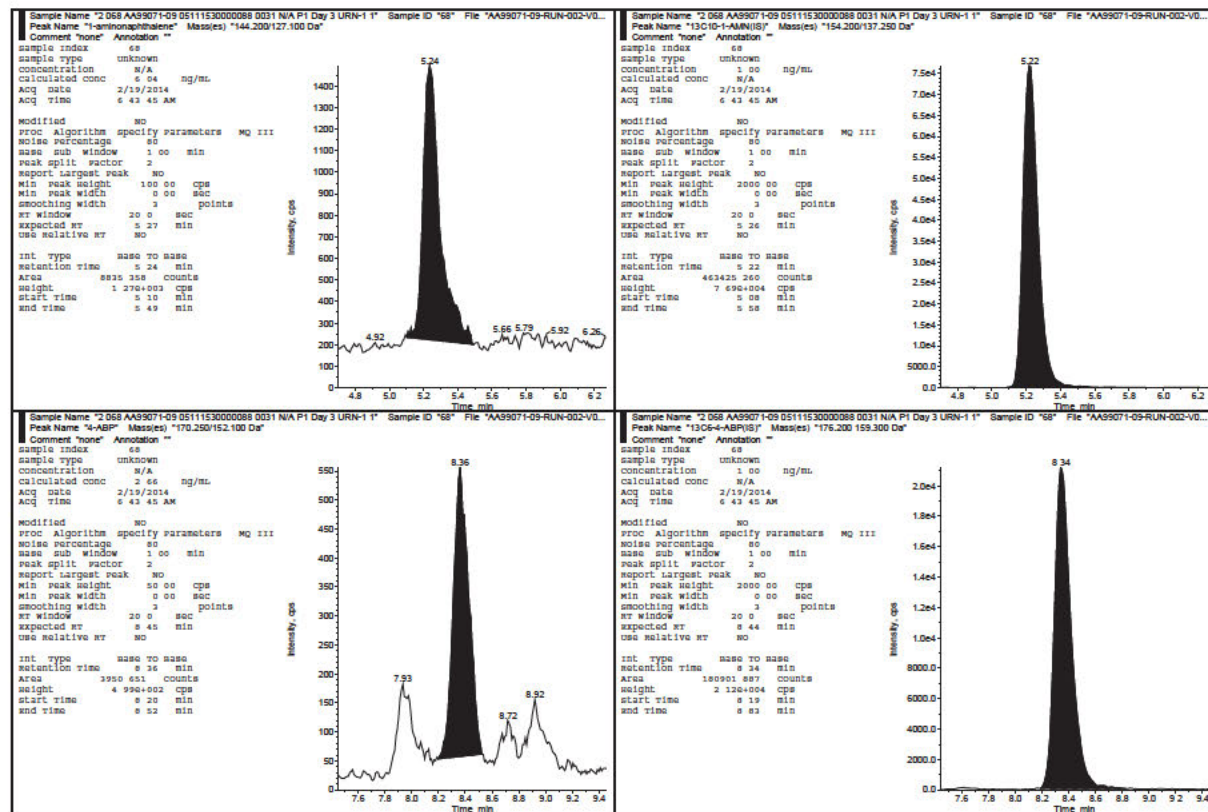
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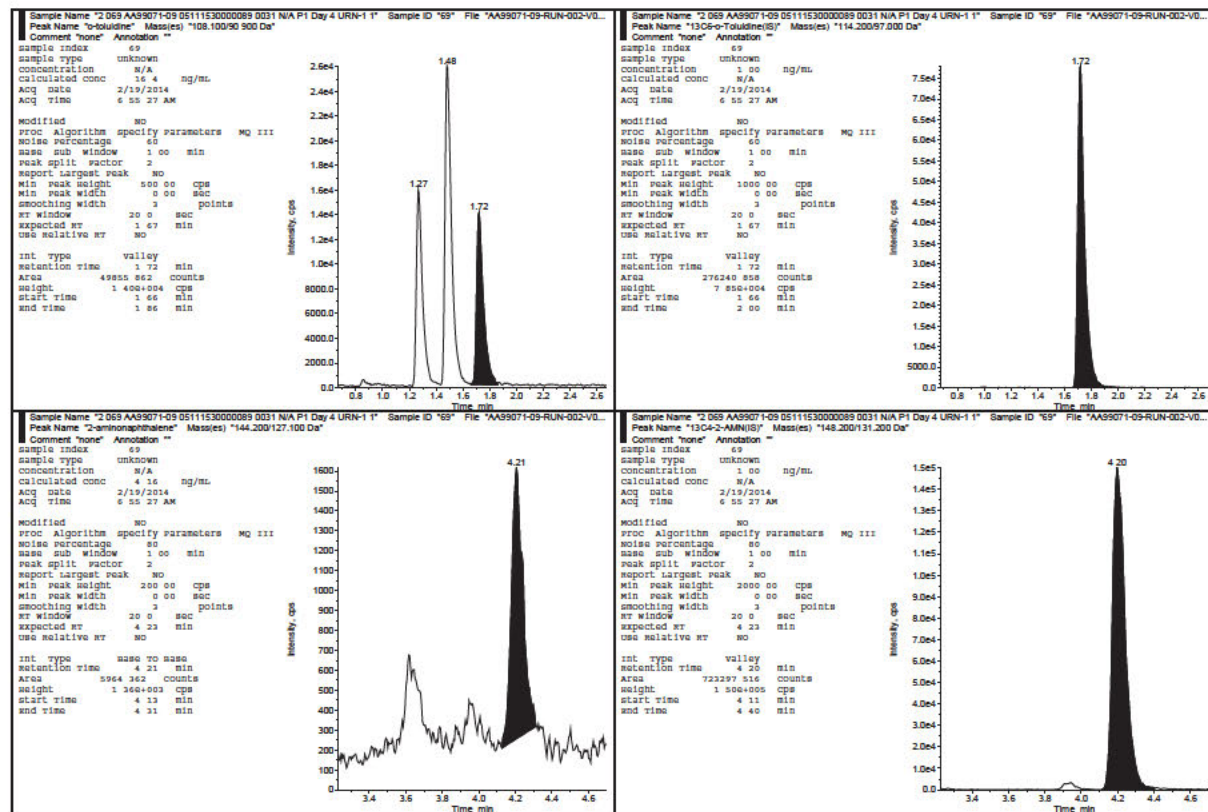


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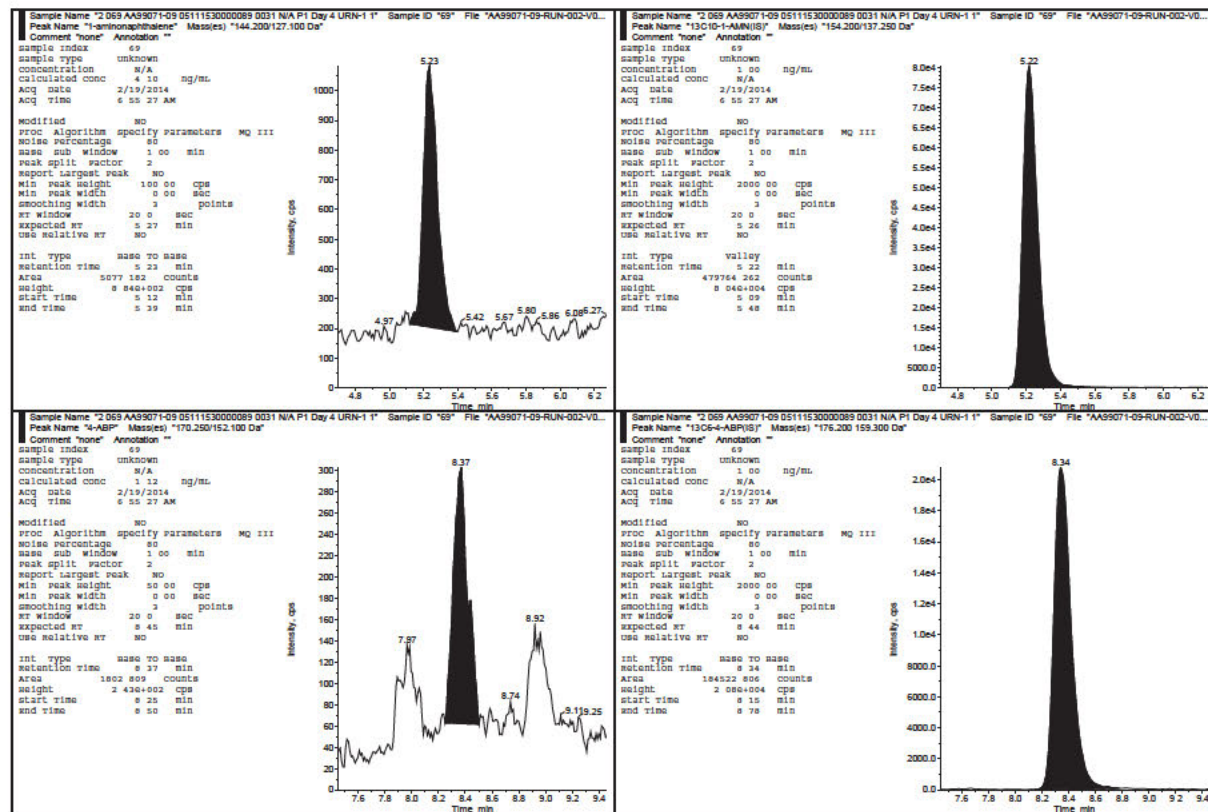


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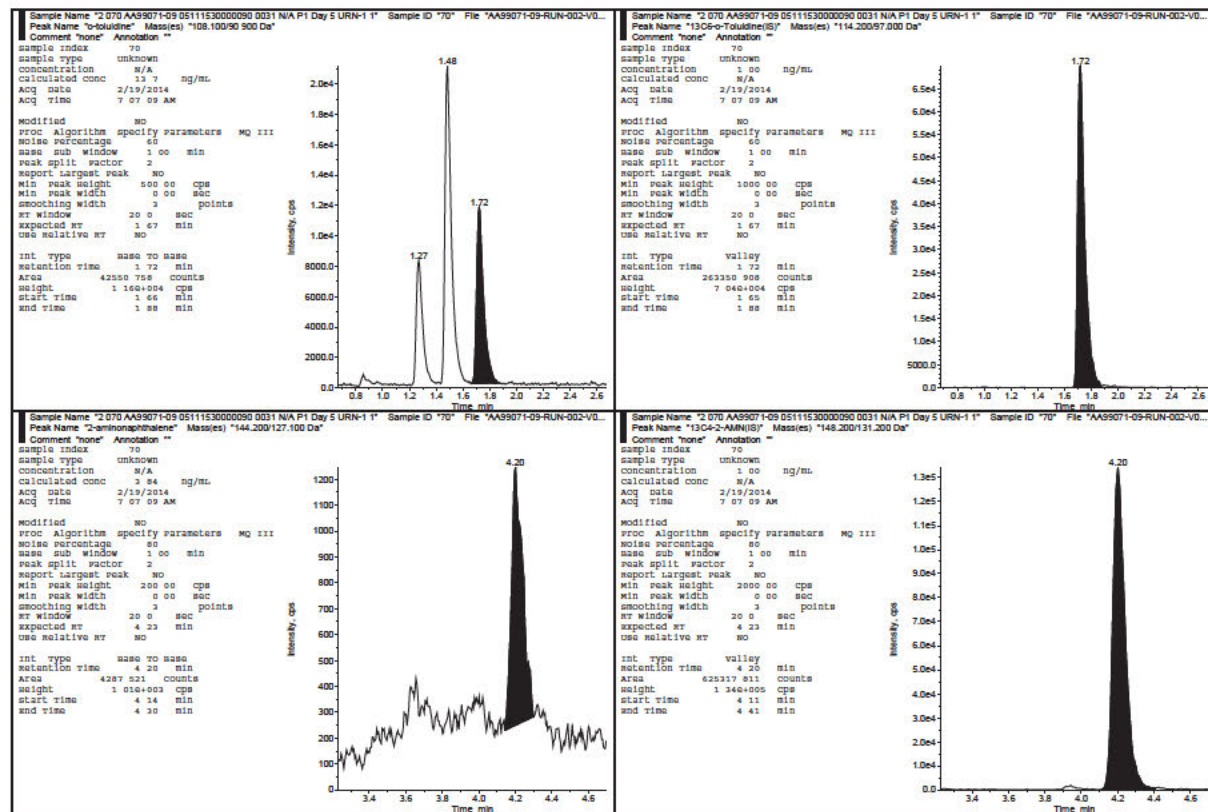


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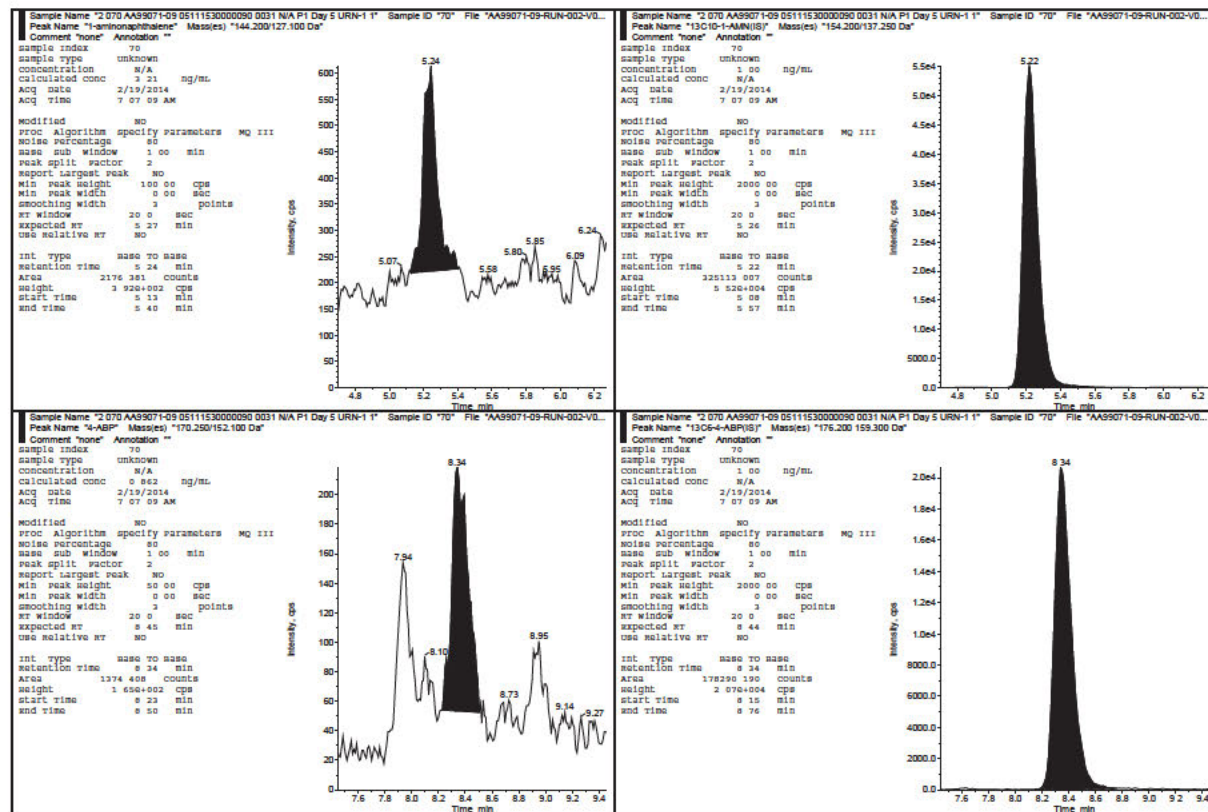
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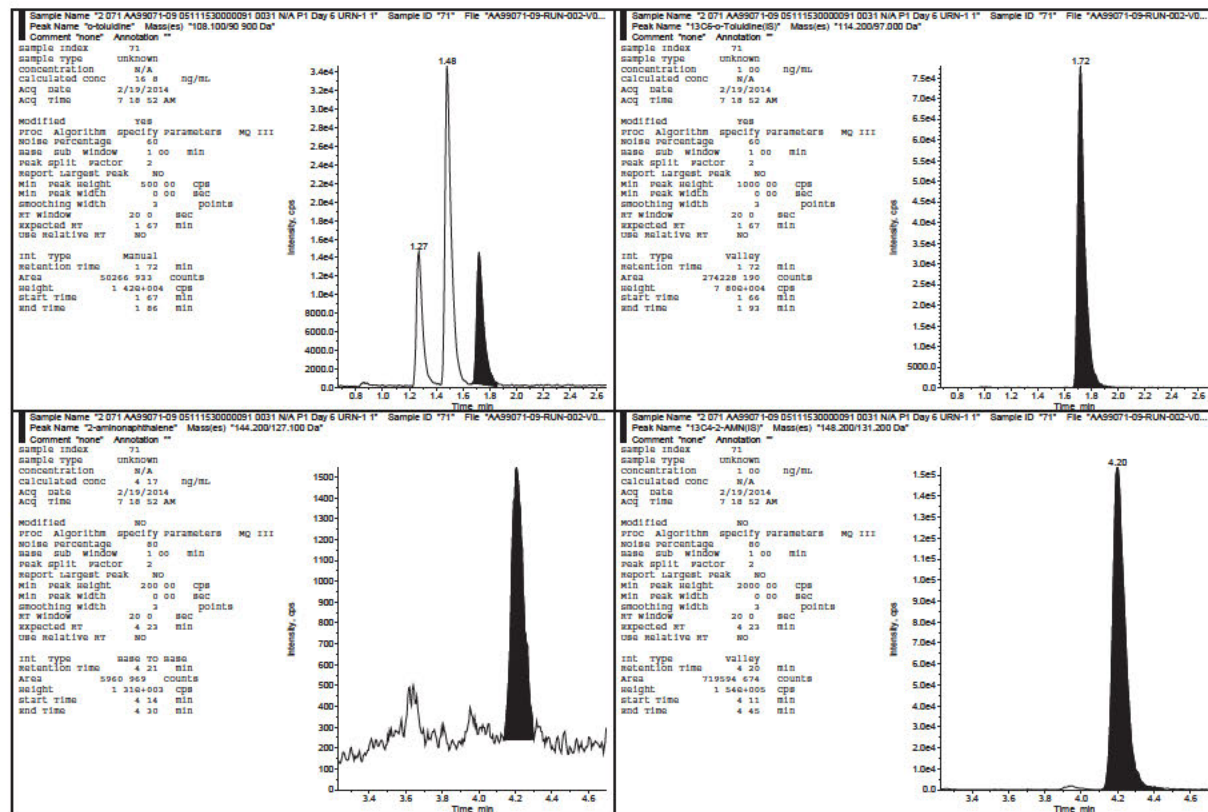
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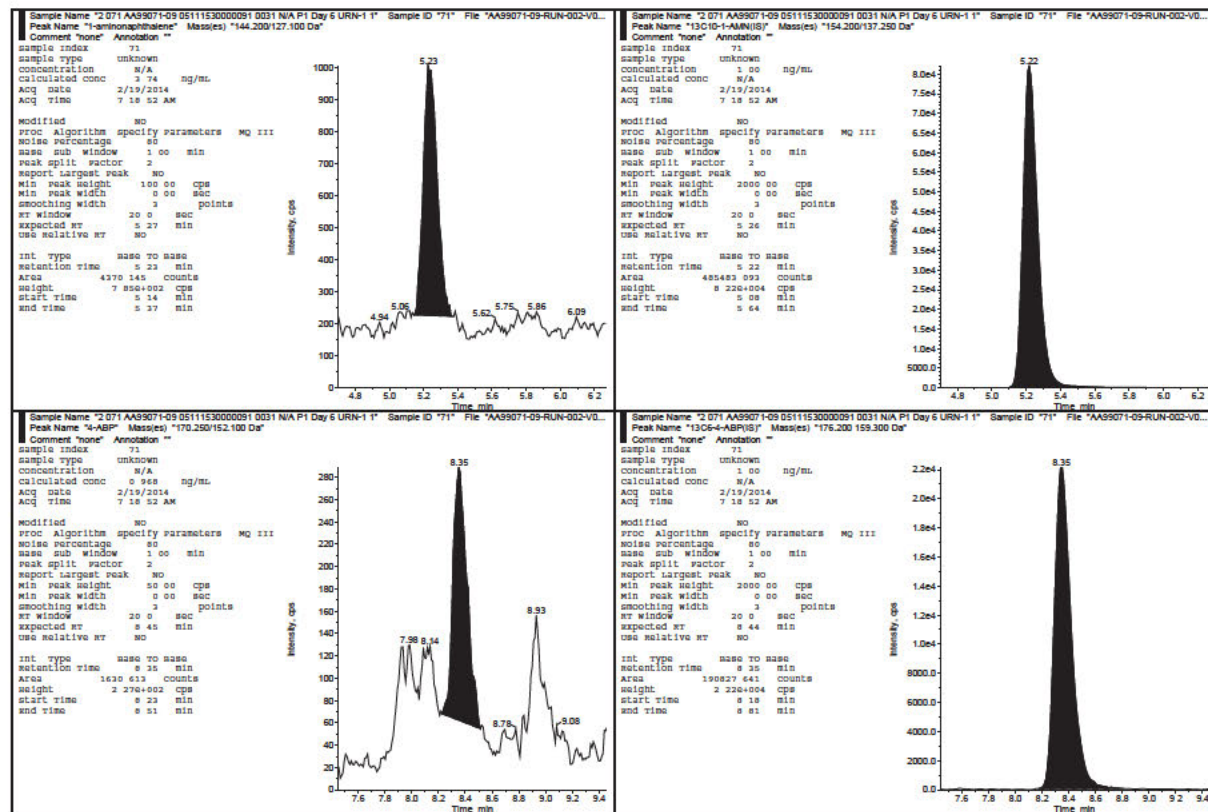


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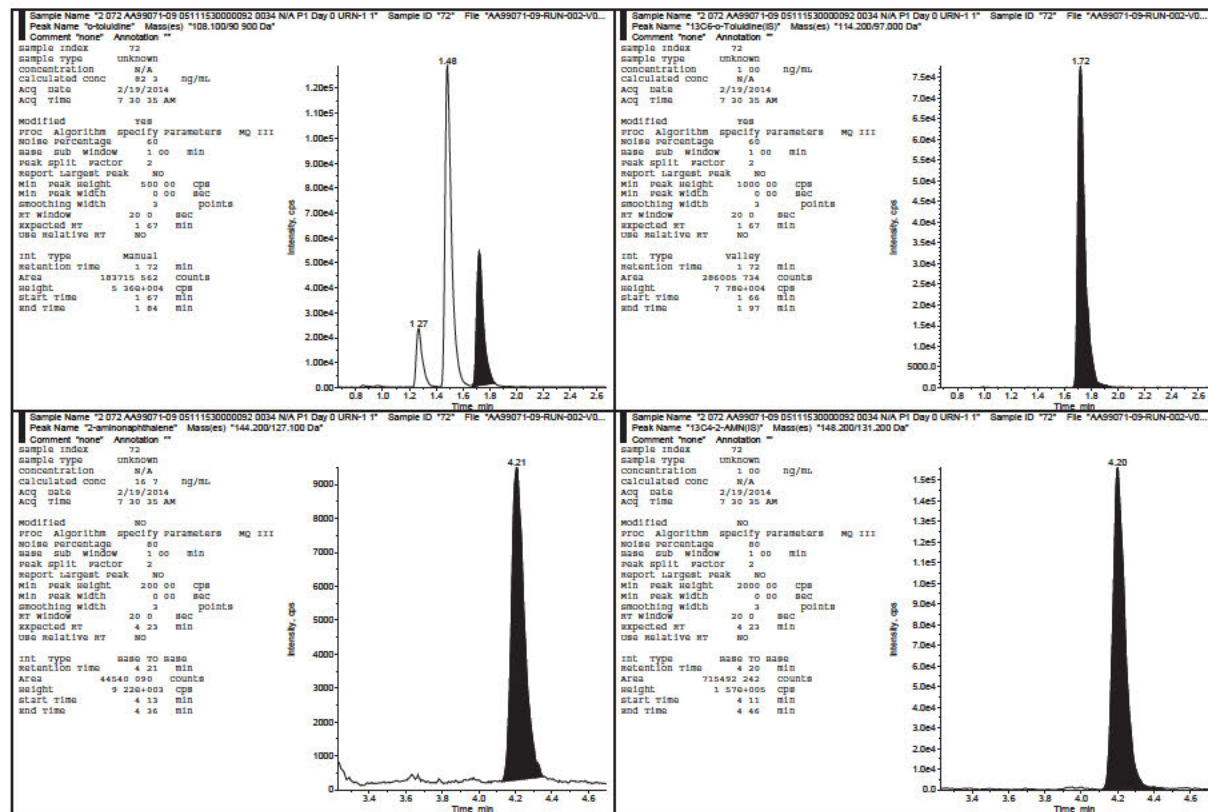


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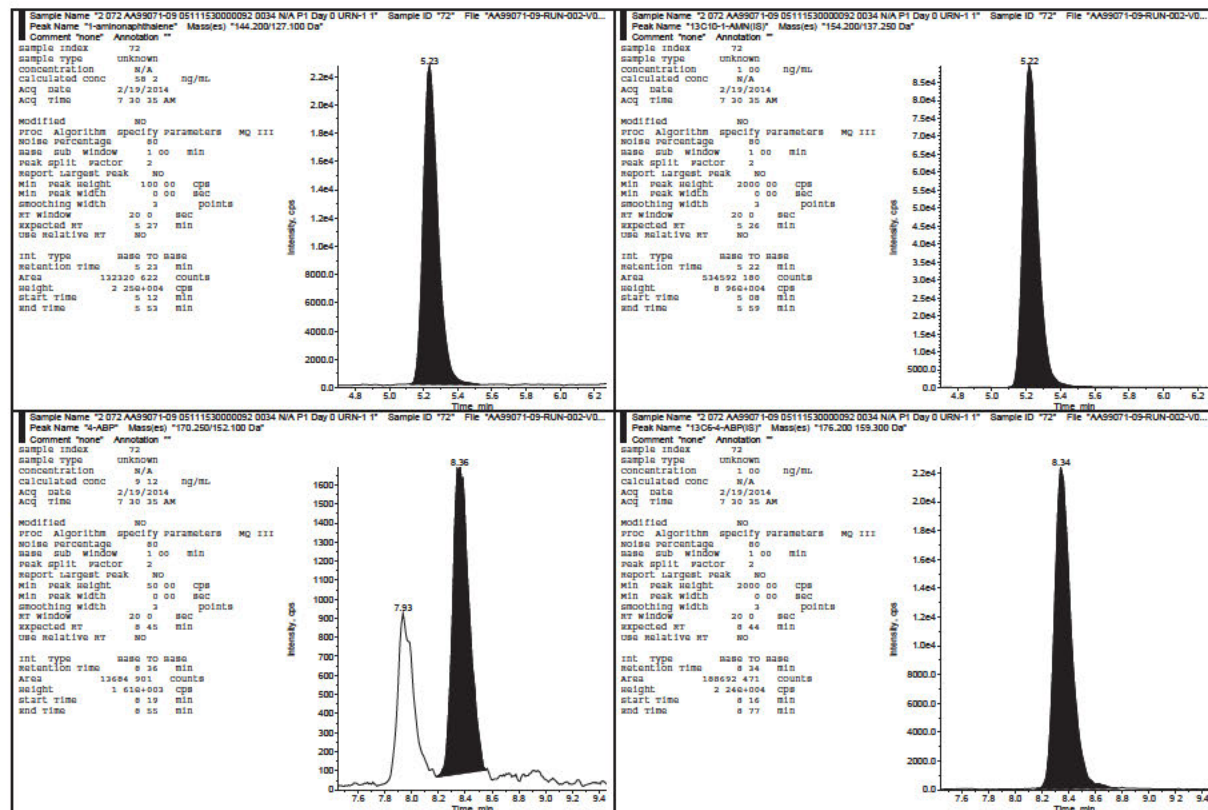


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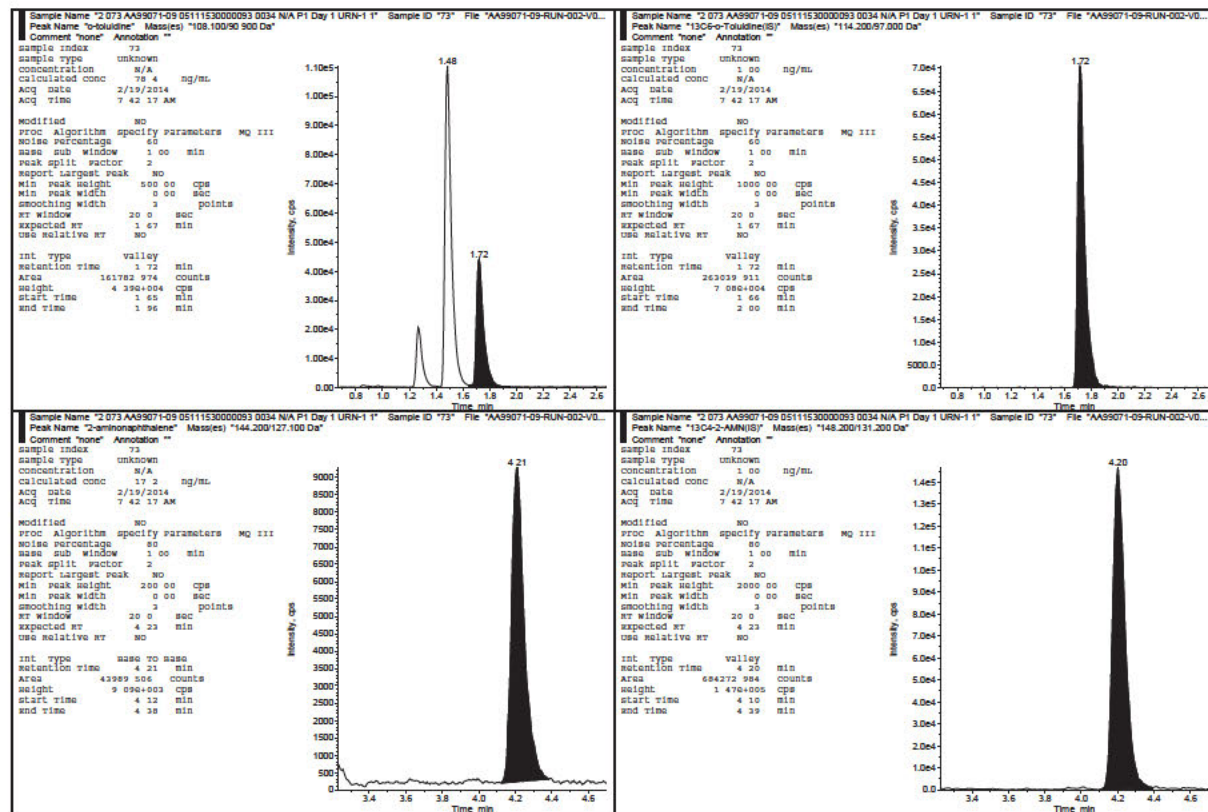
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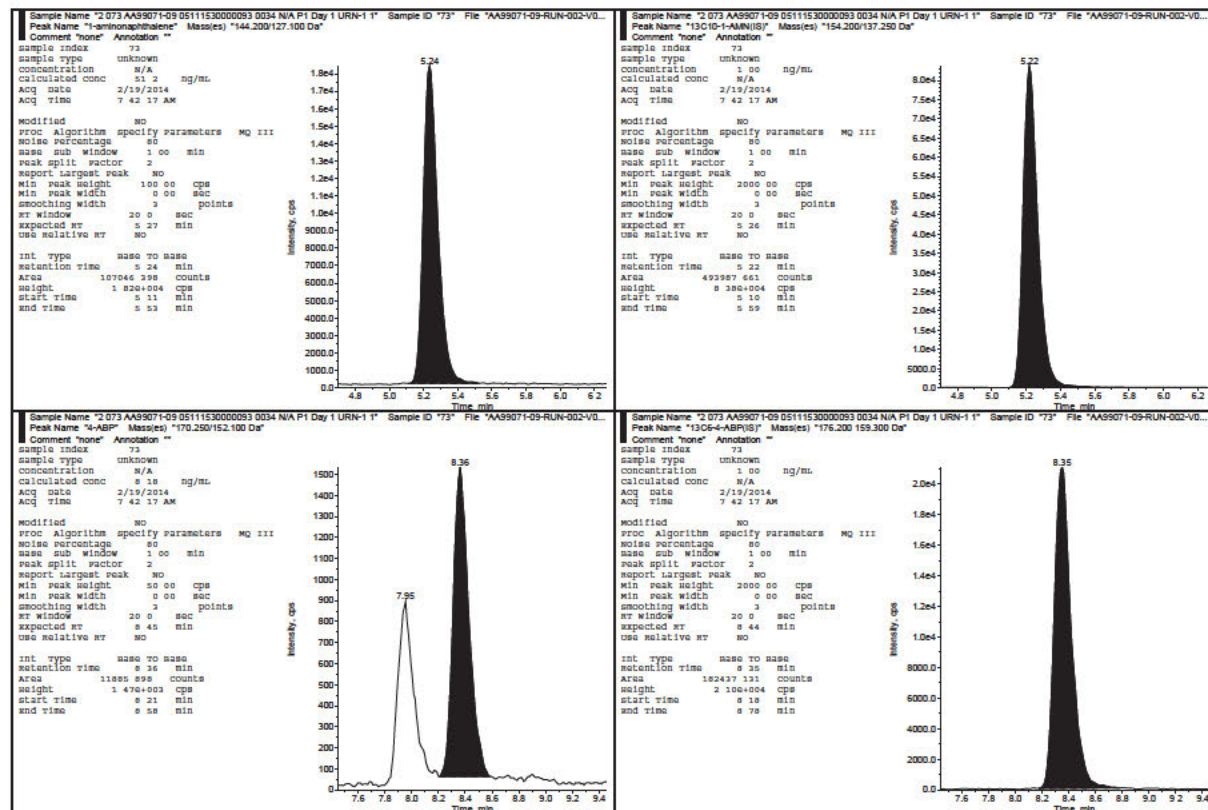
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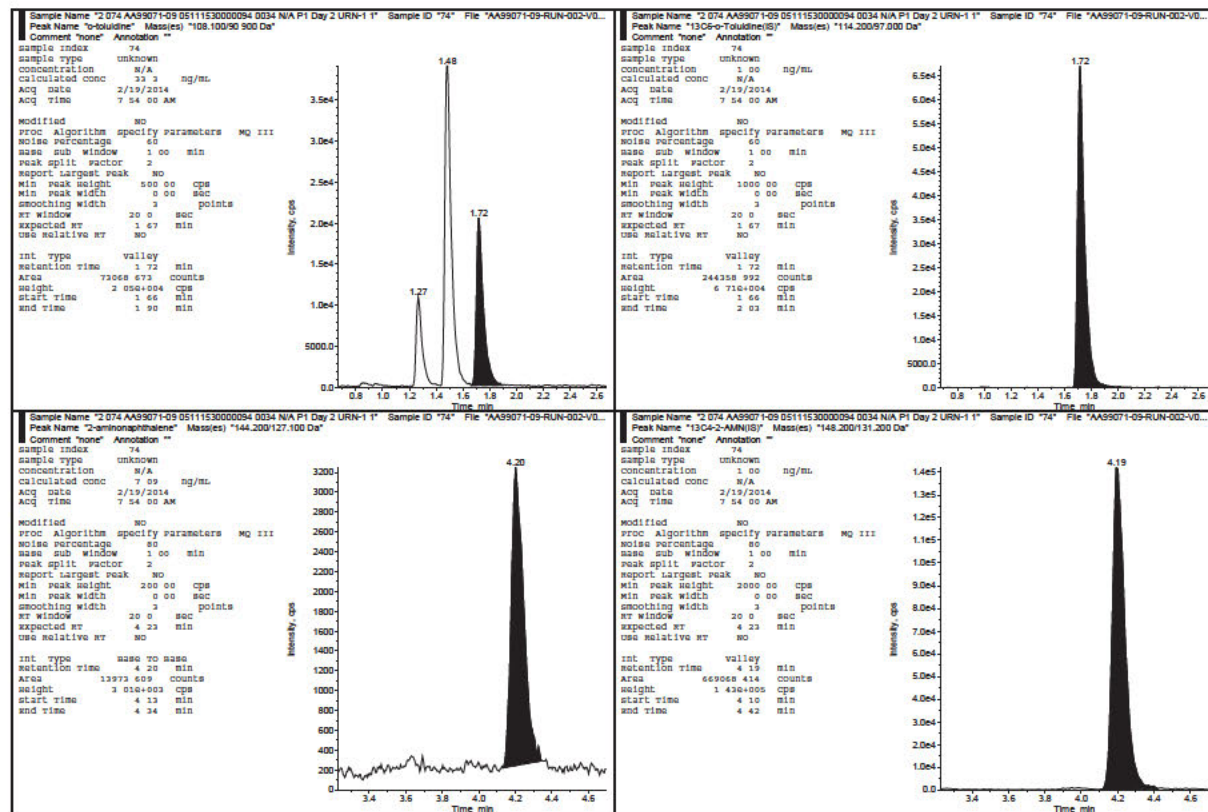


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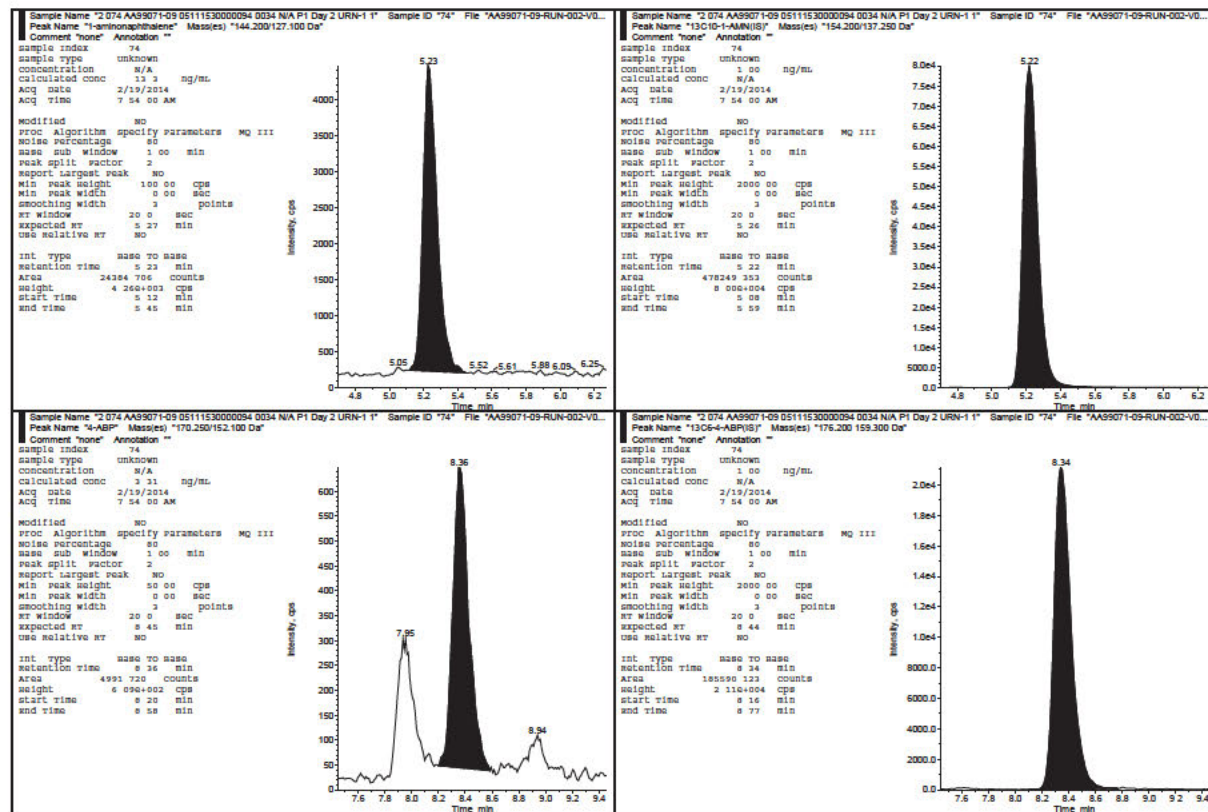


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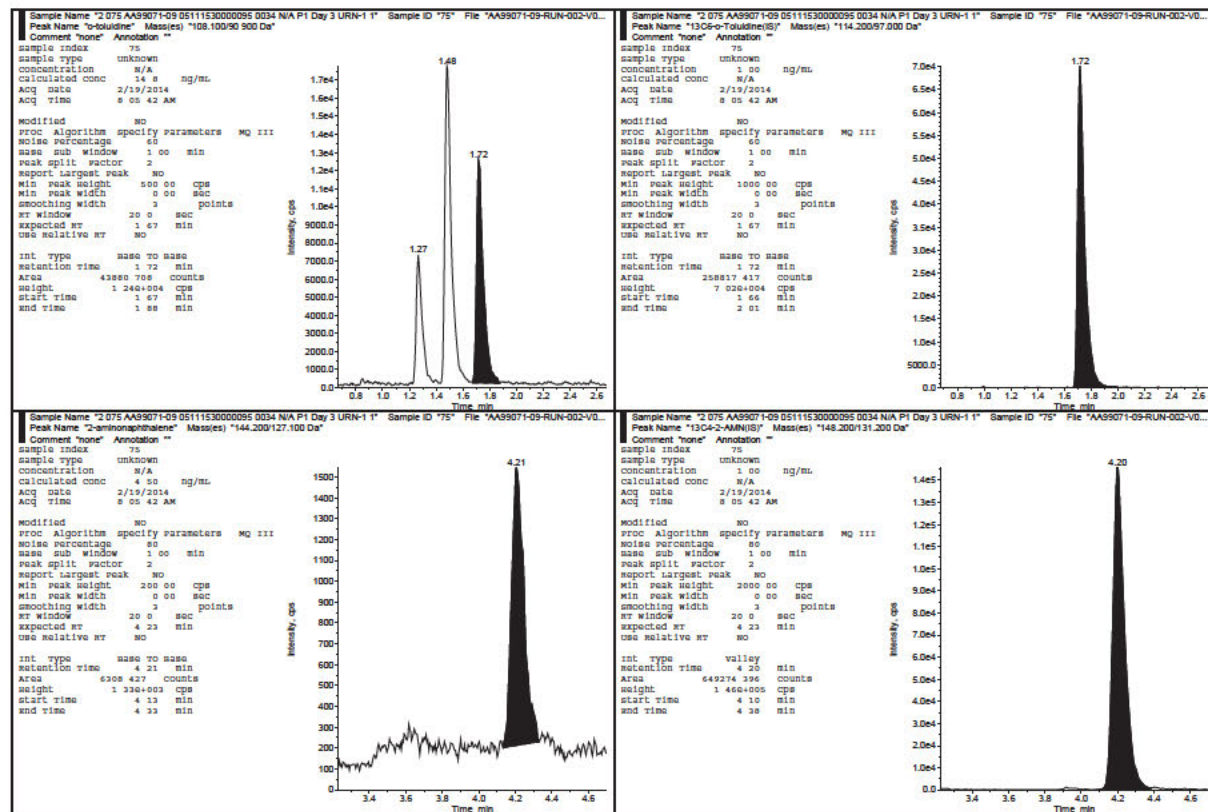


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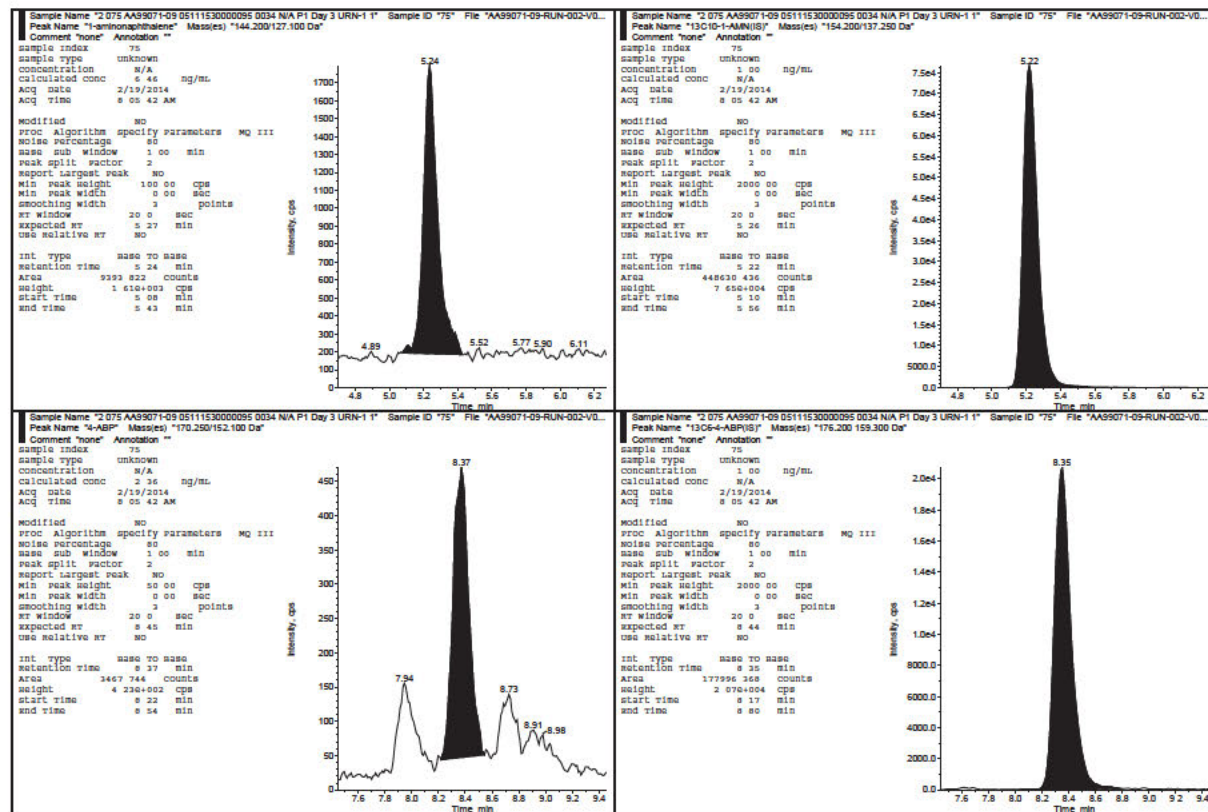
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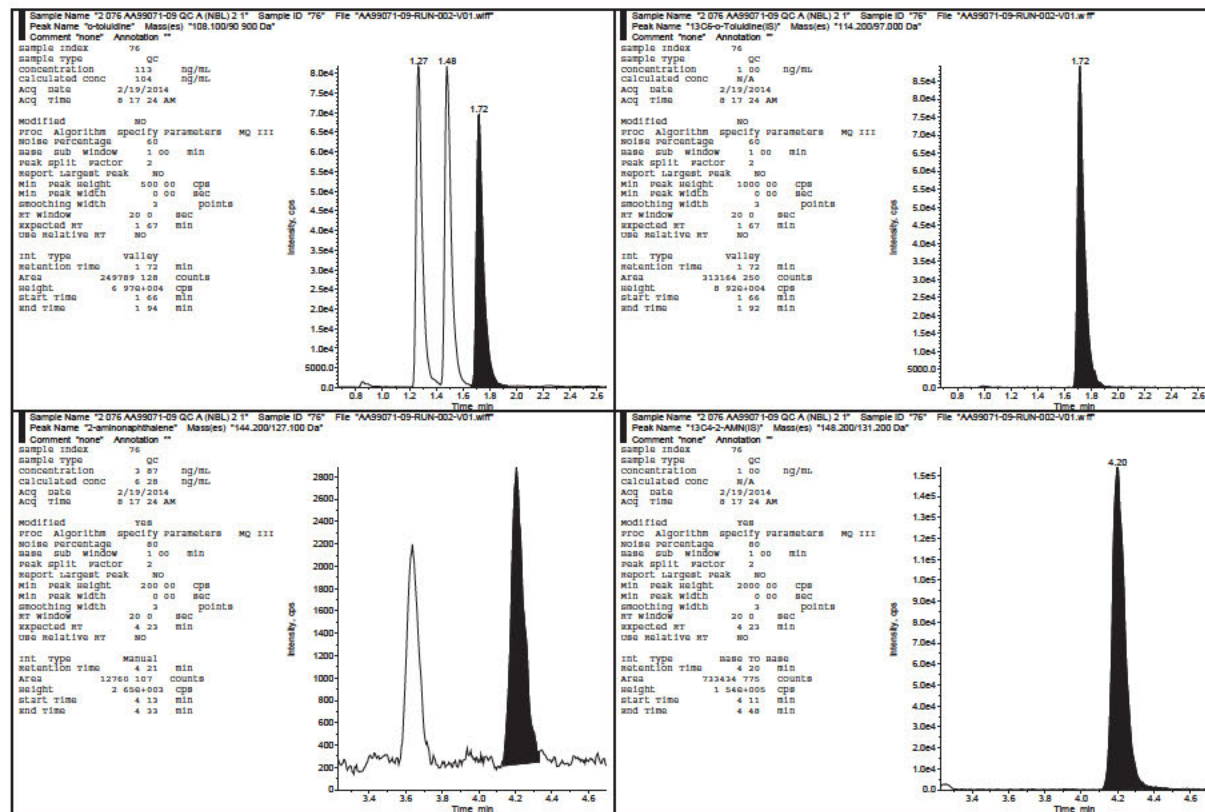
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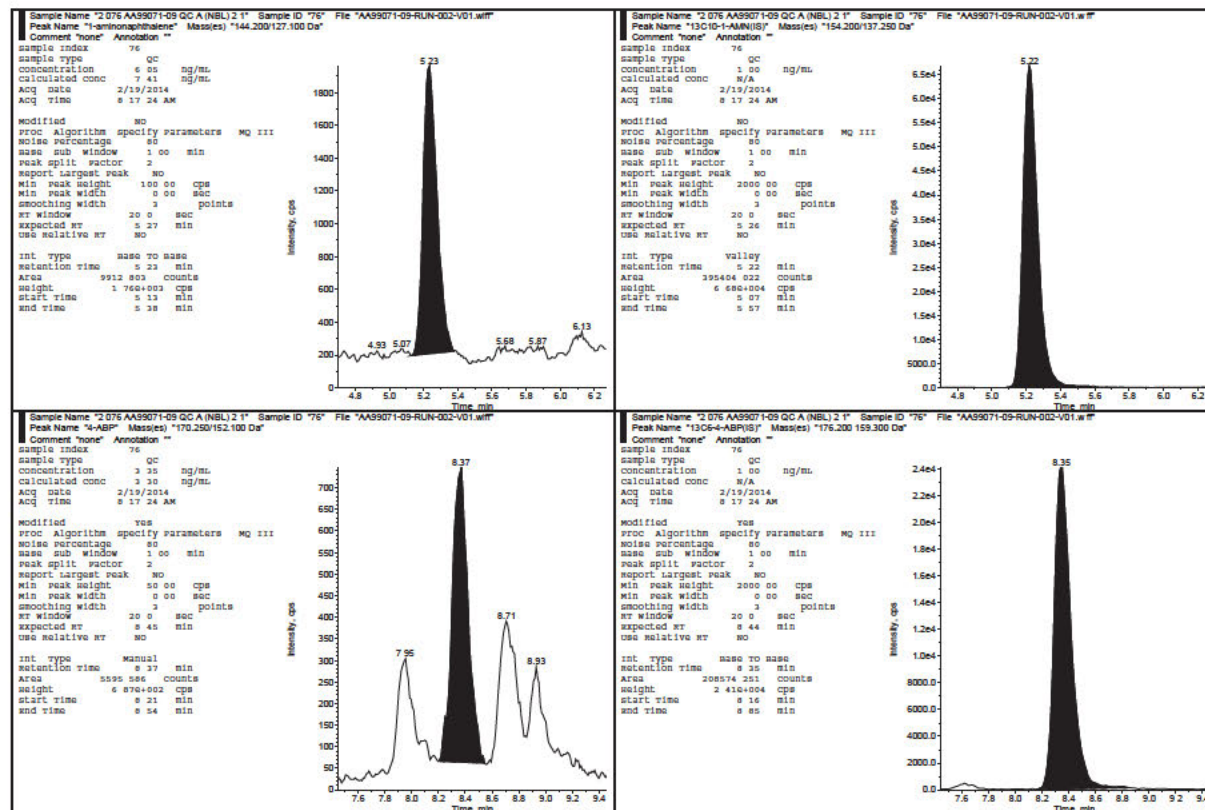


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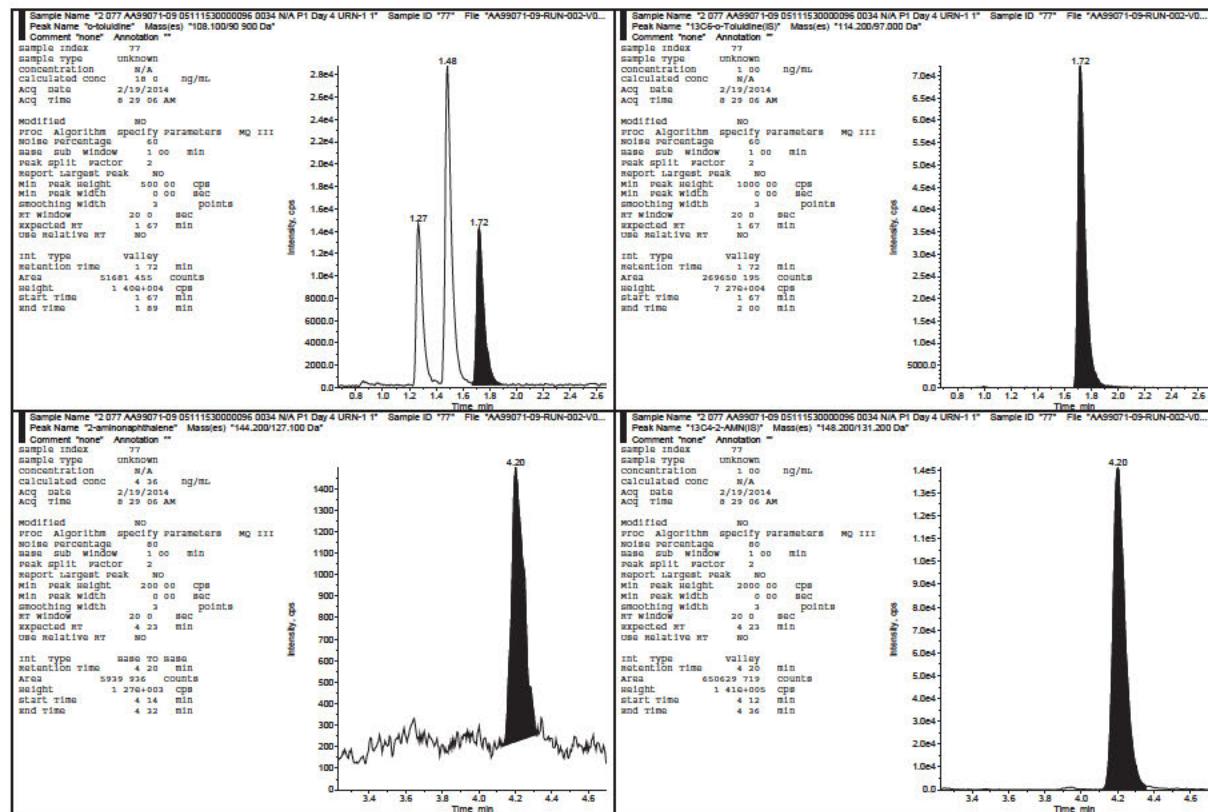


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Celerion Study AA99071-09



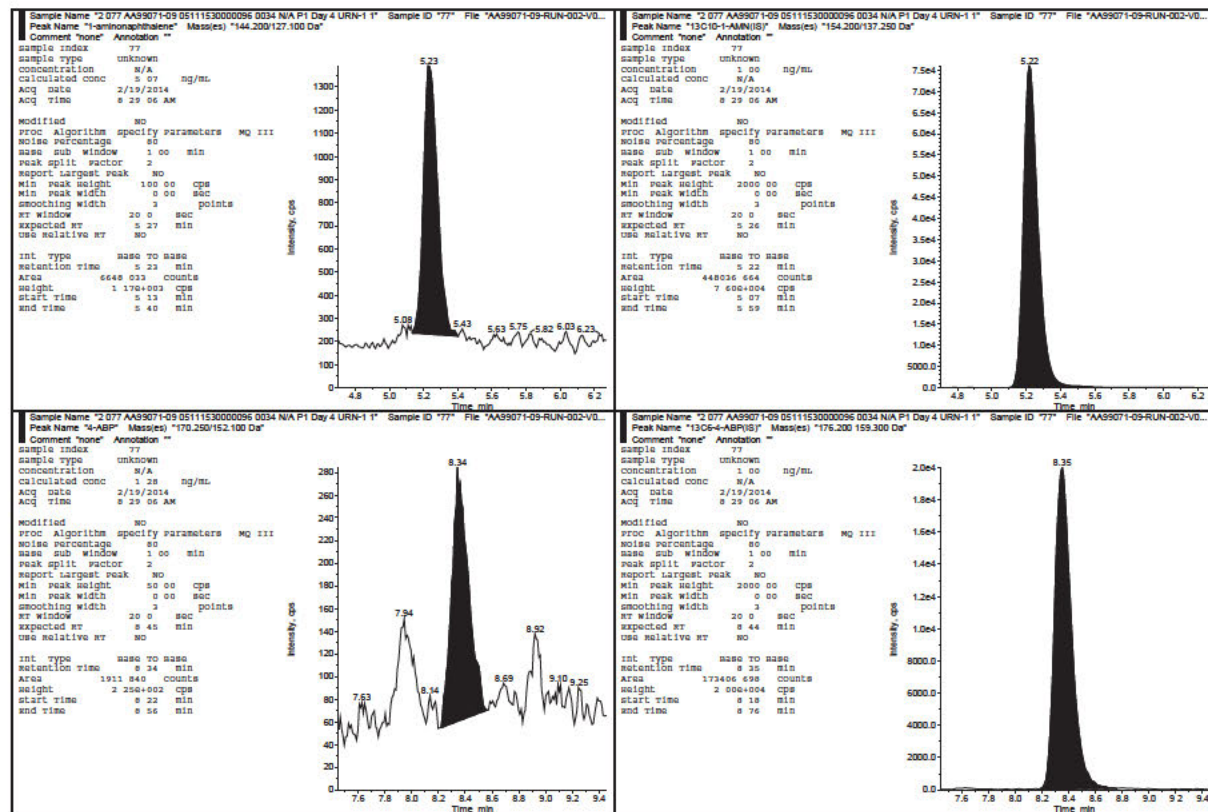


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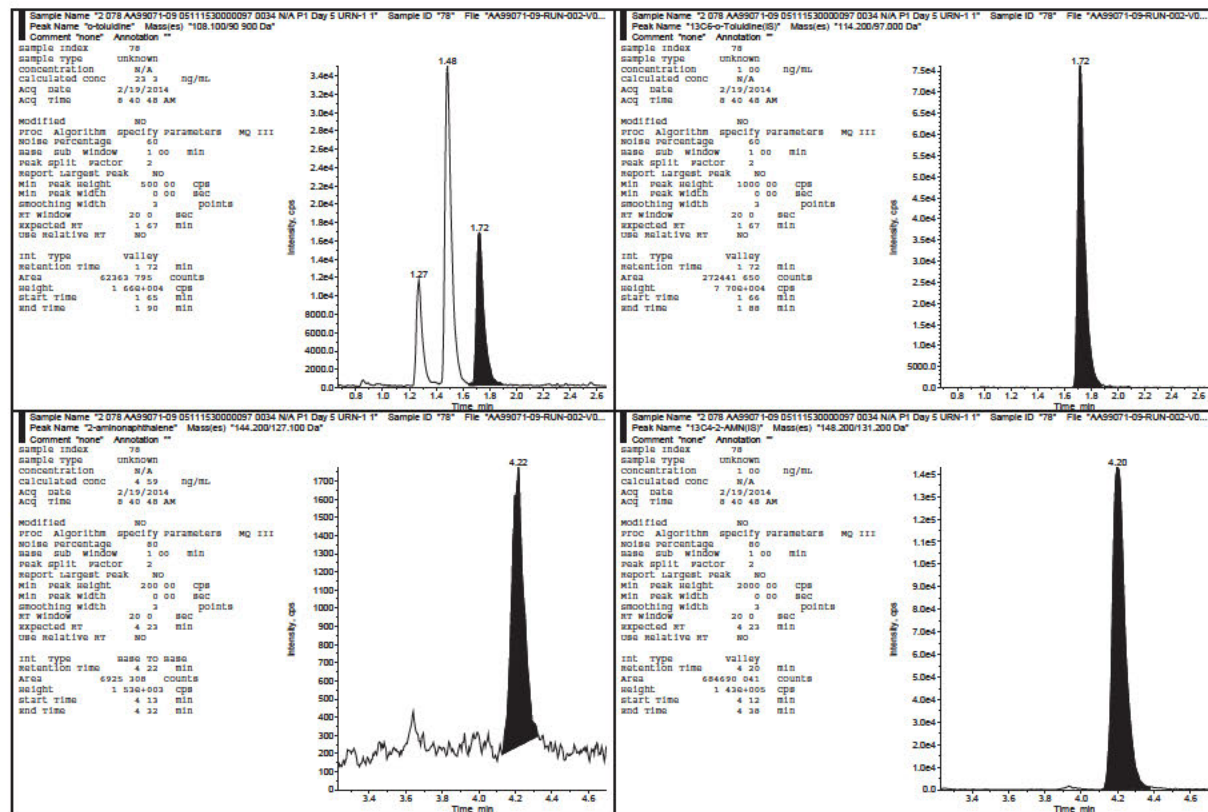
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Celerion Study AA99071-09







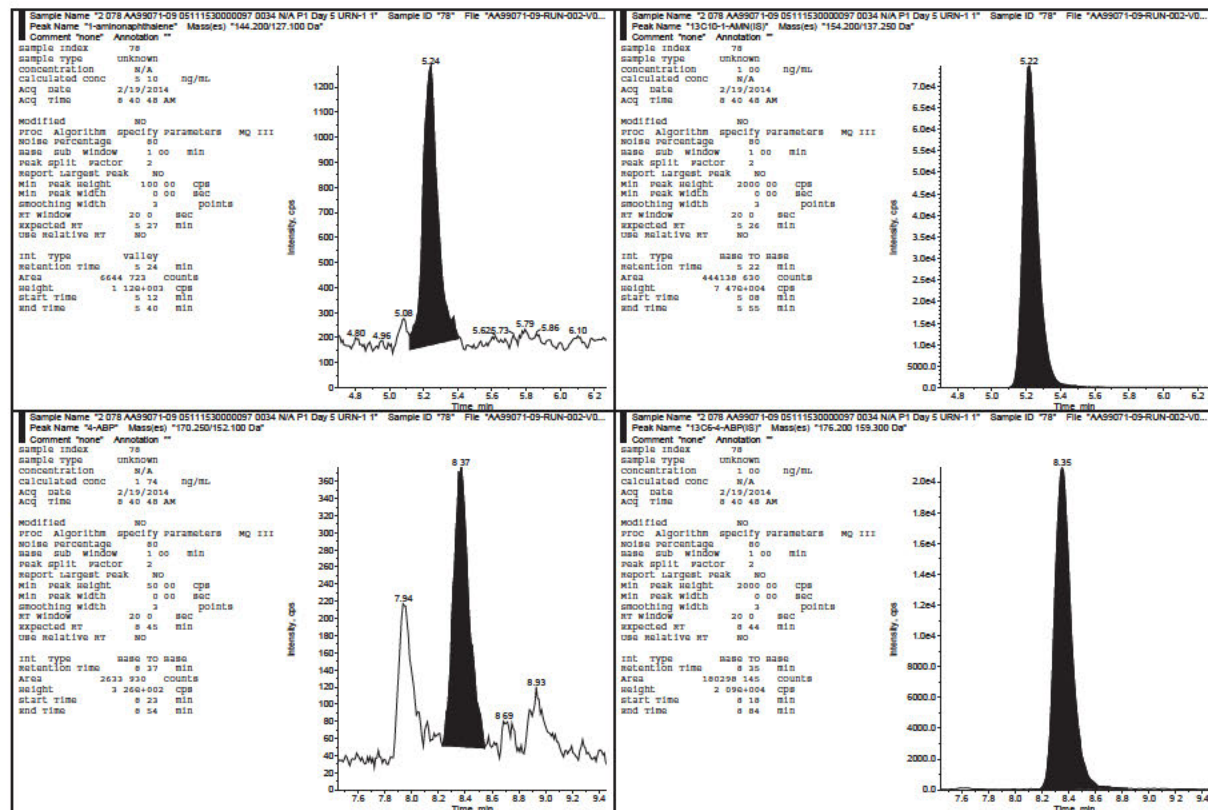
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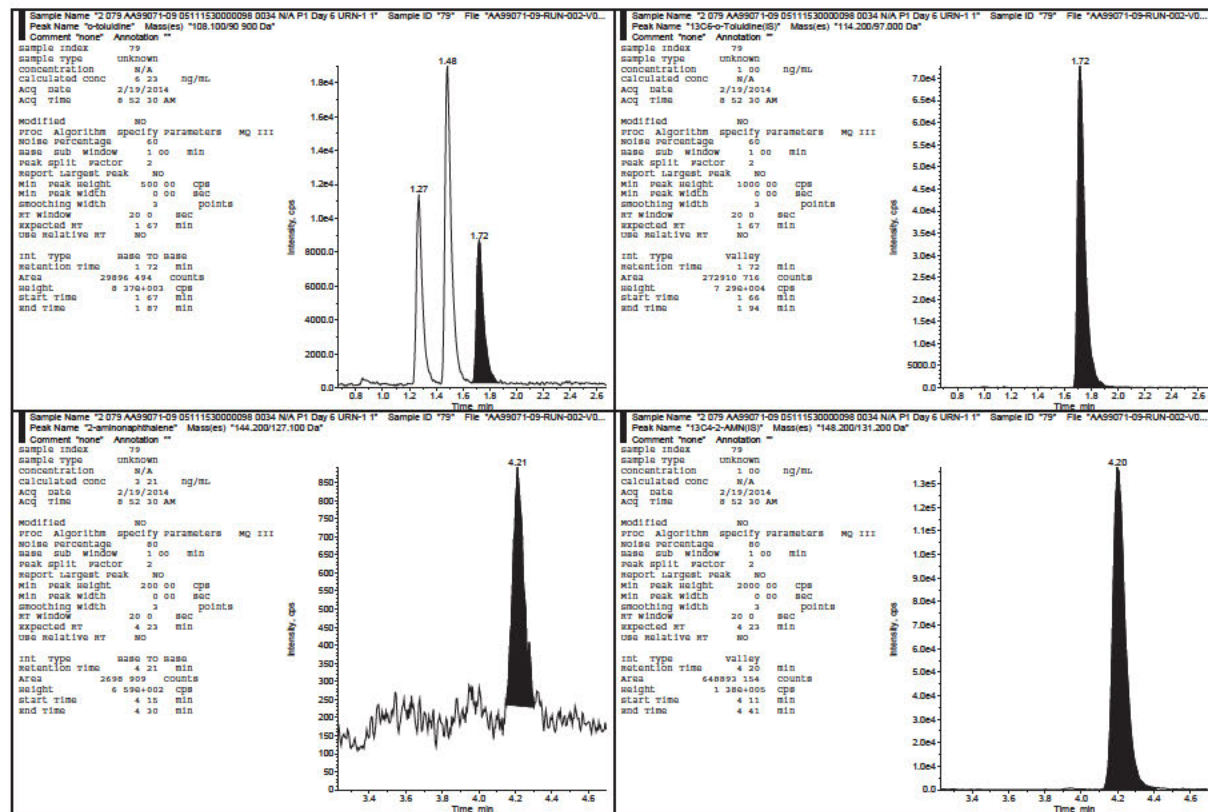


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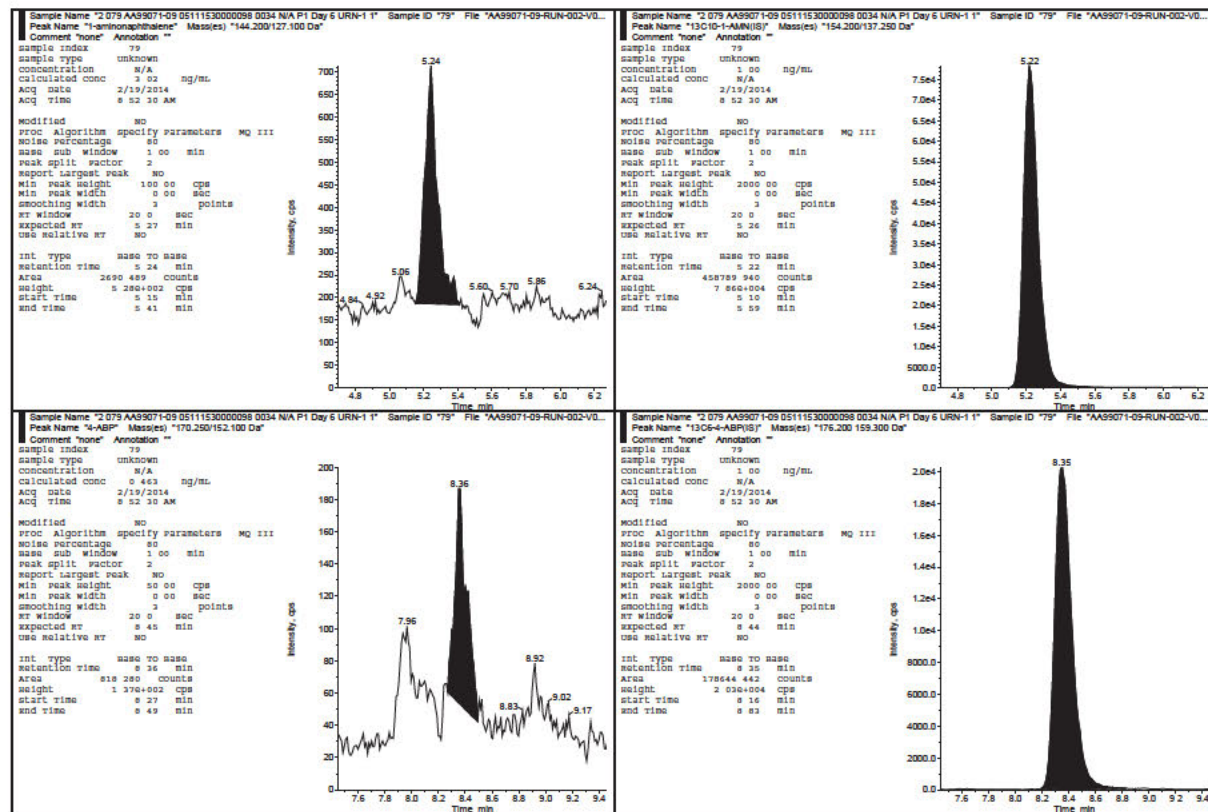


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Celerion Study AA99071-09



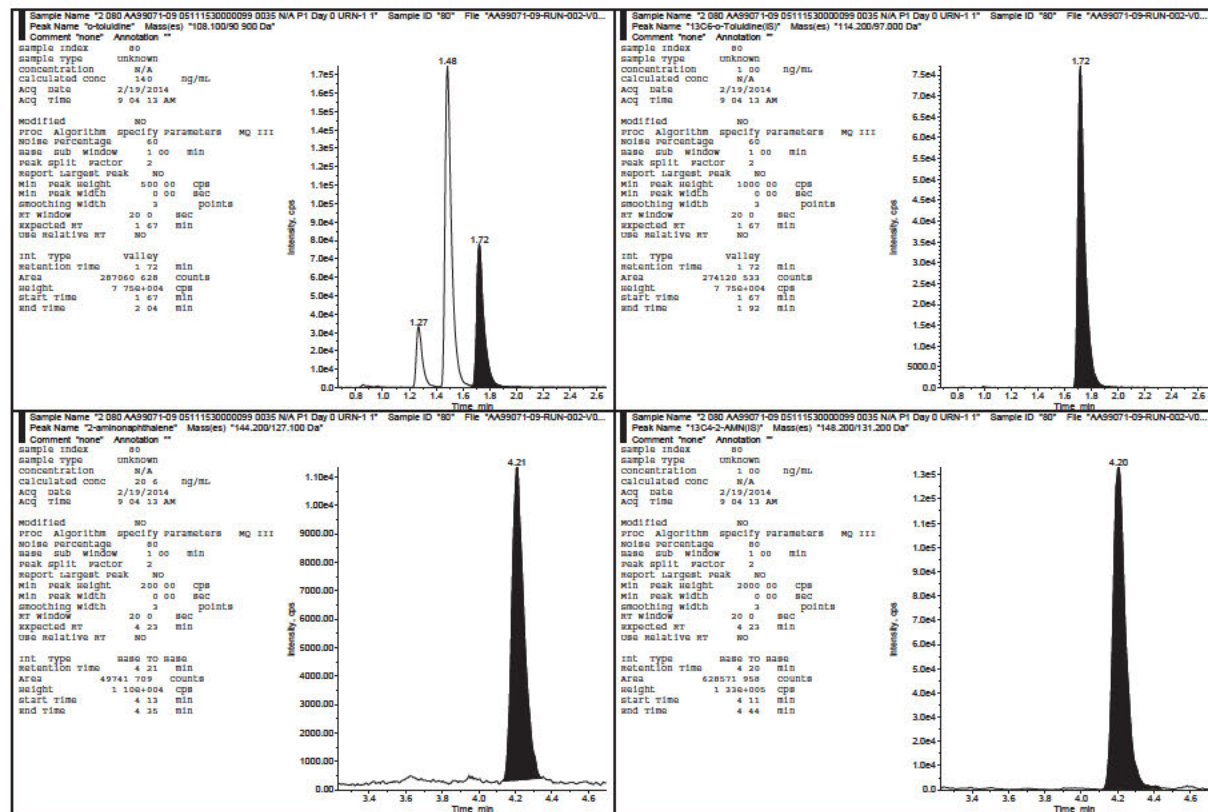


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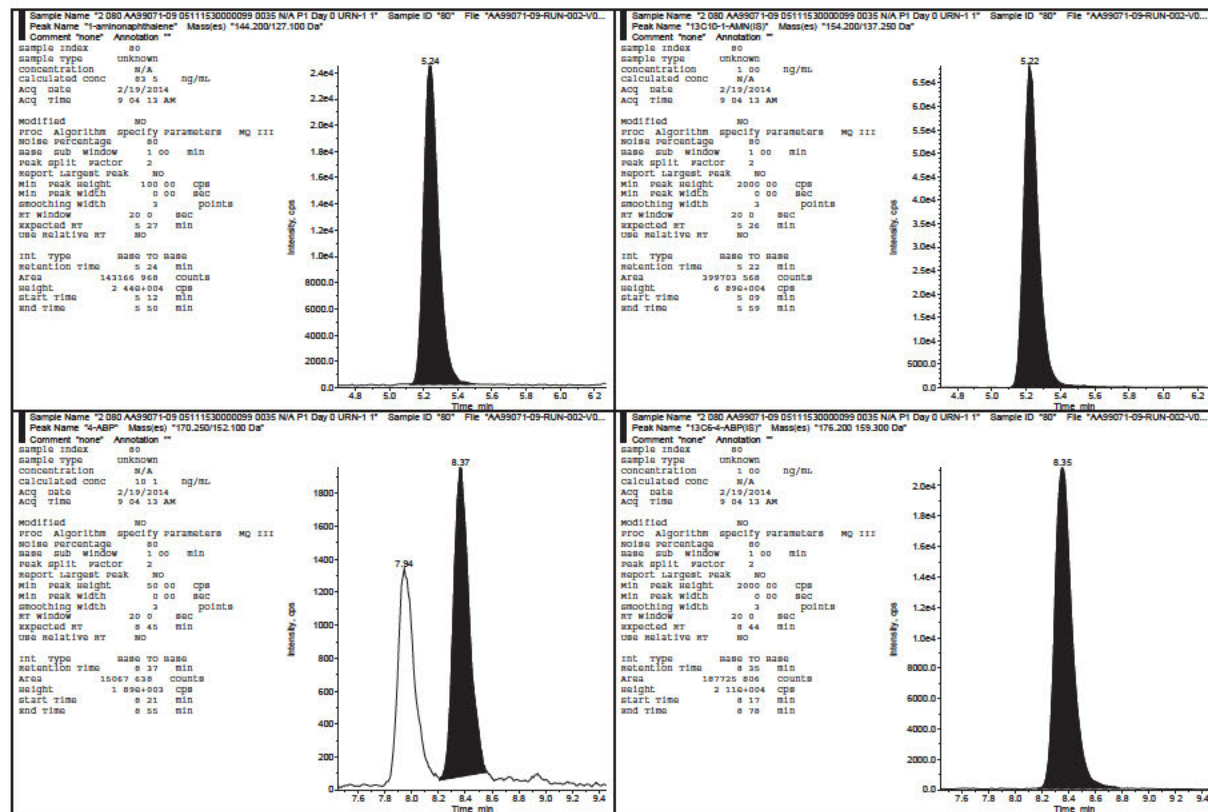
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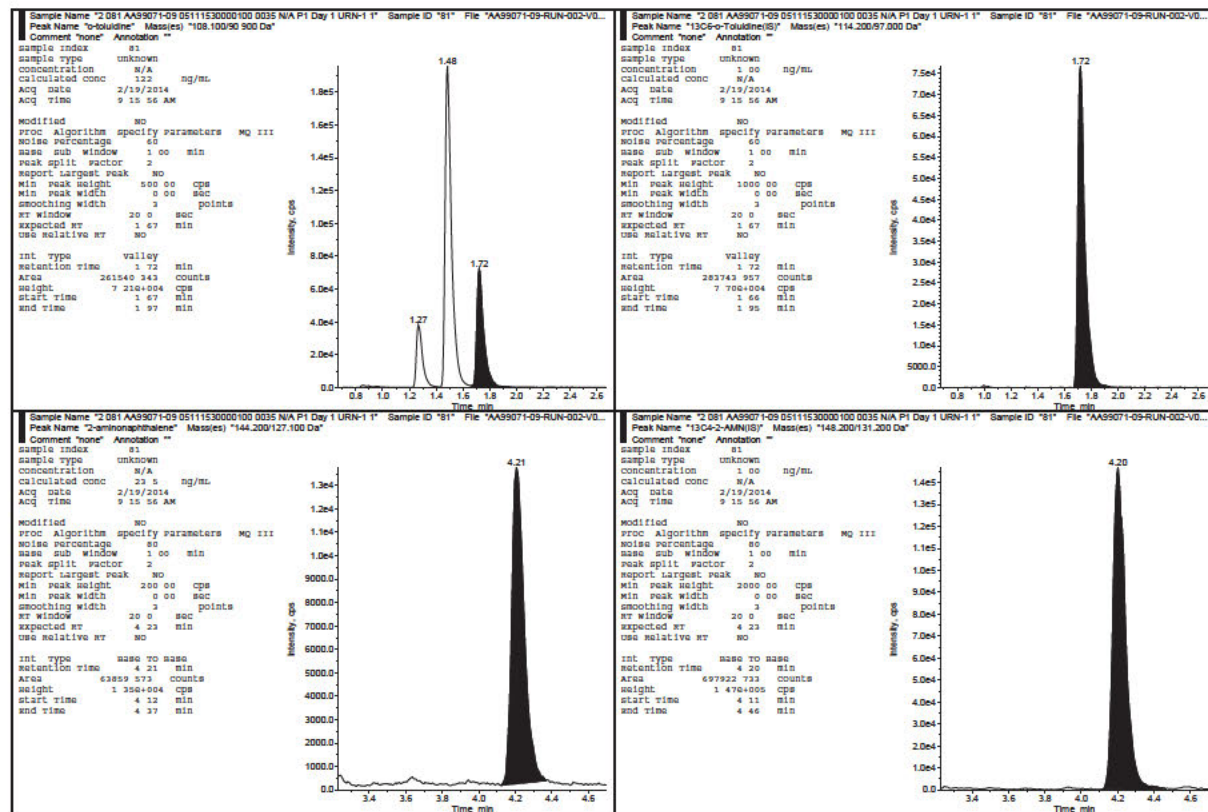
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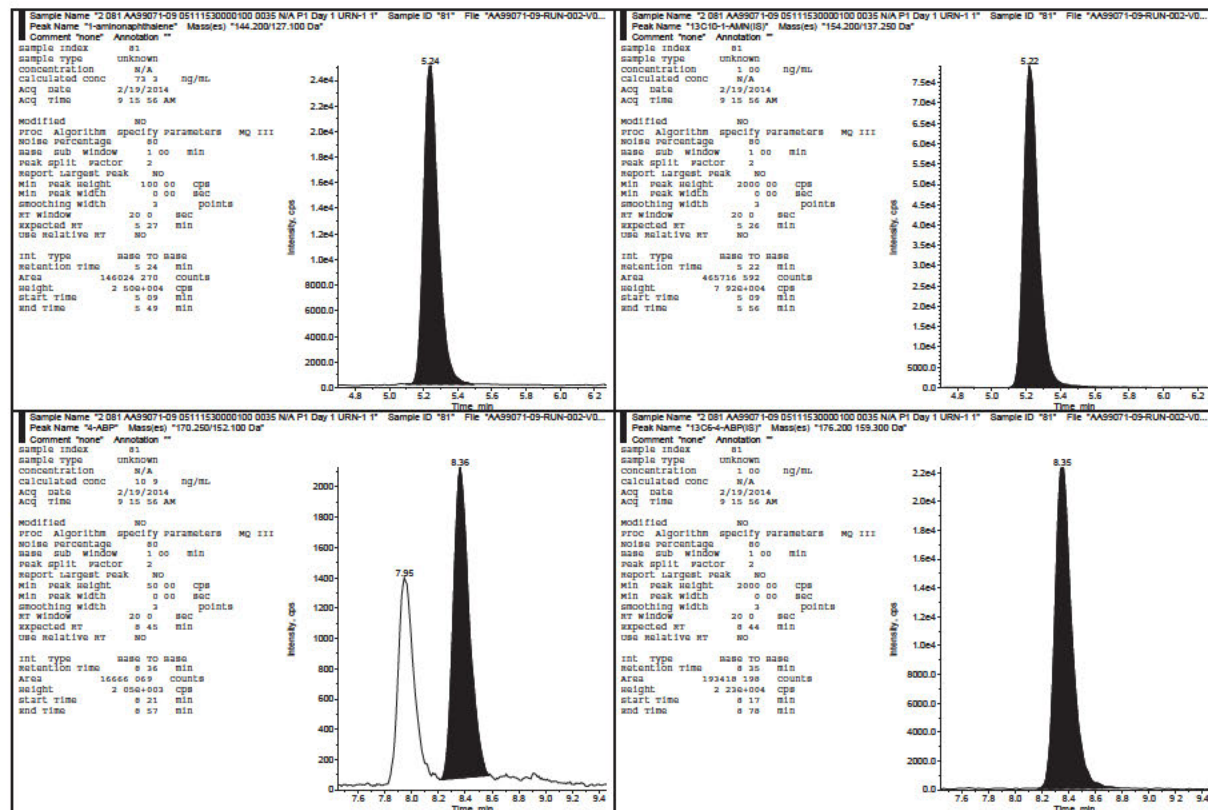


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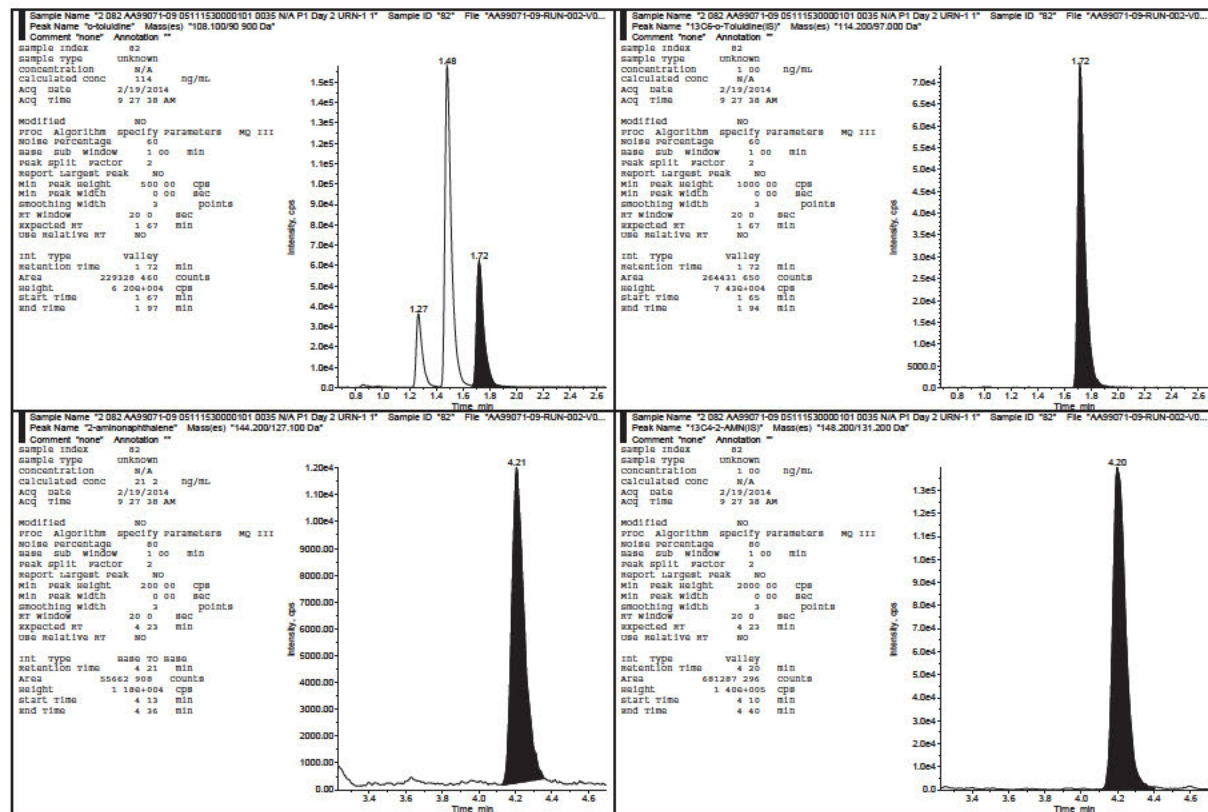


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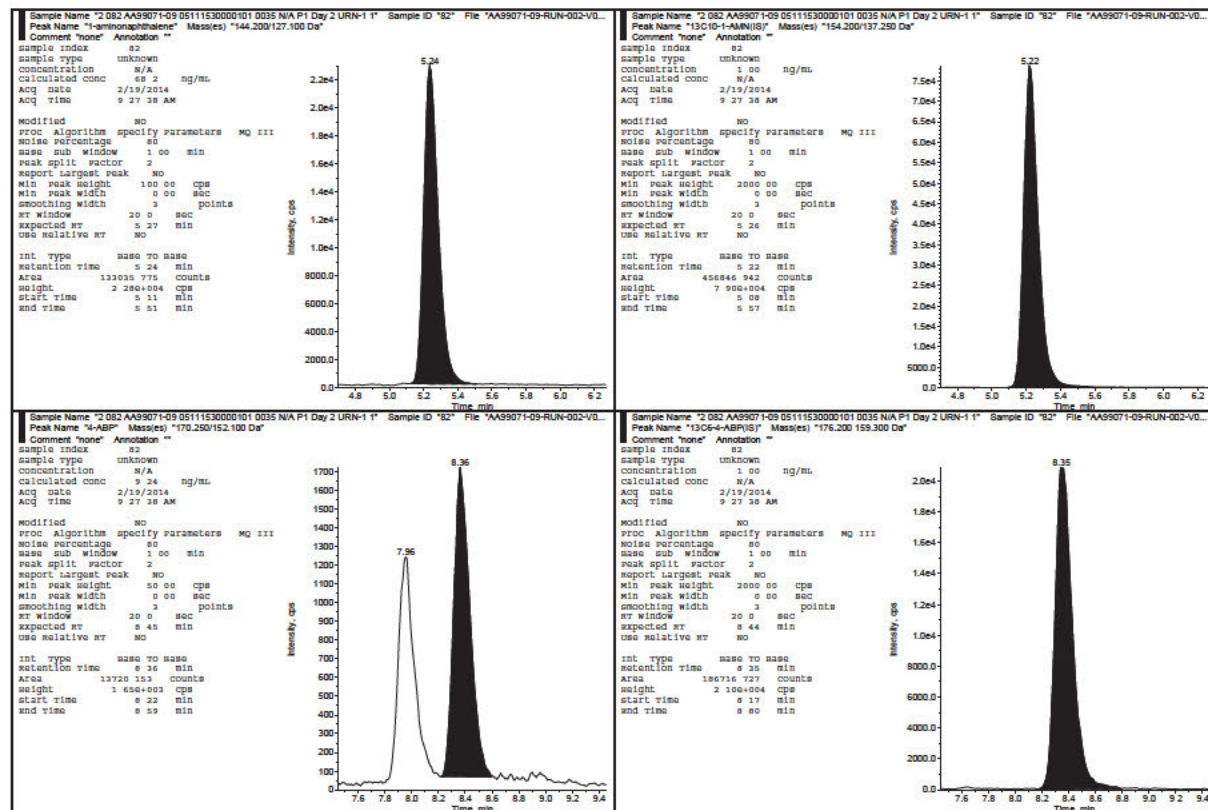


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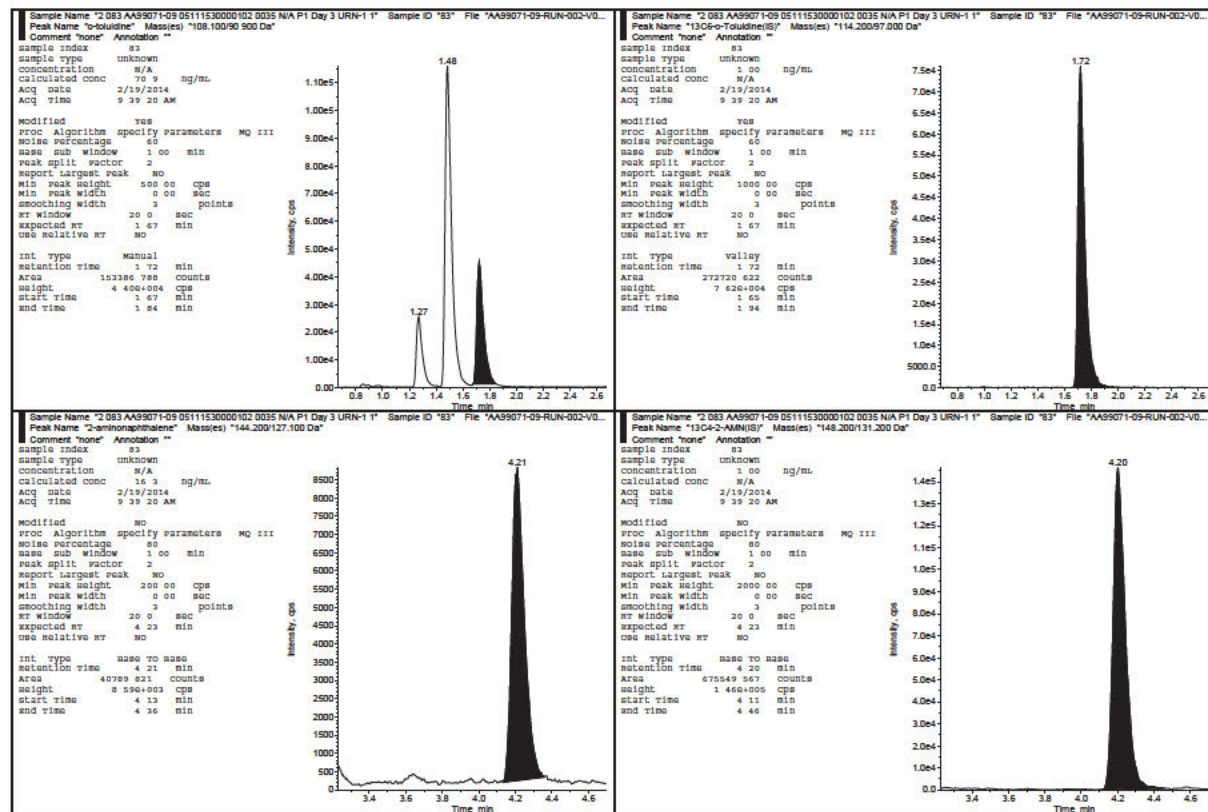
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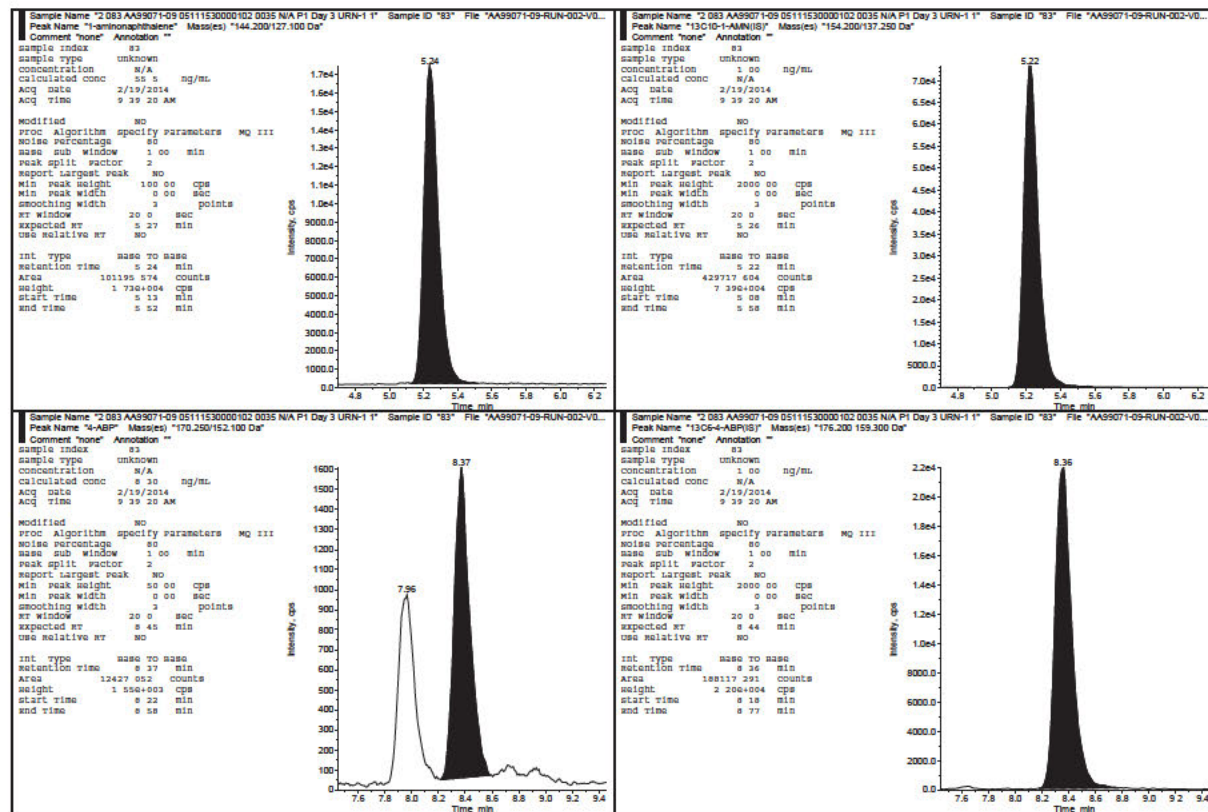
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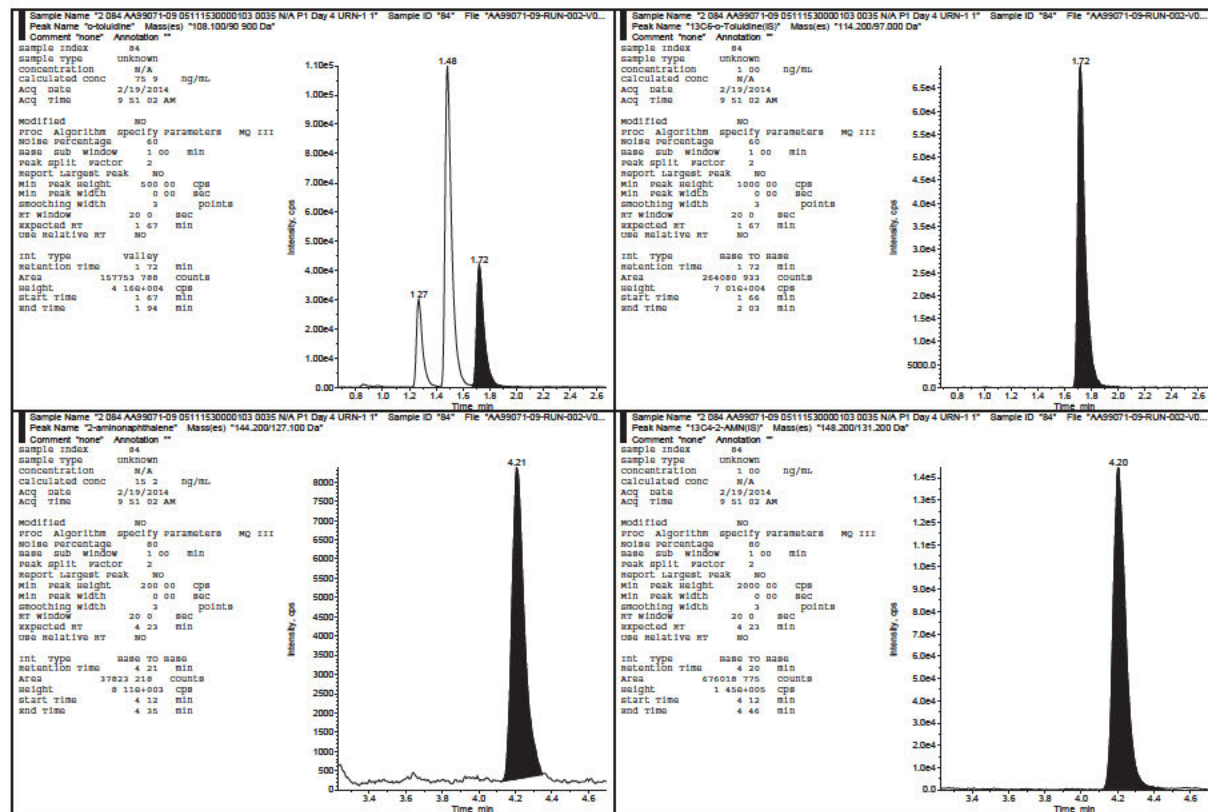


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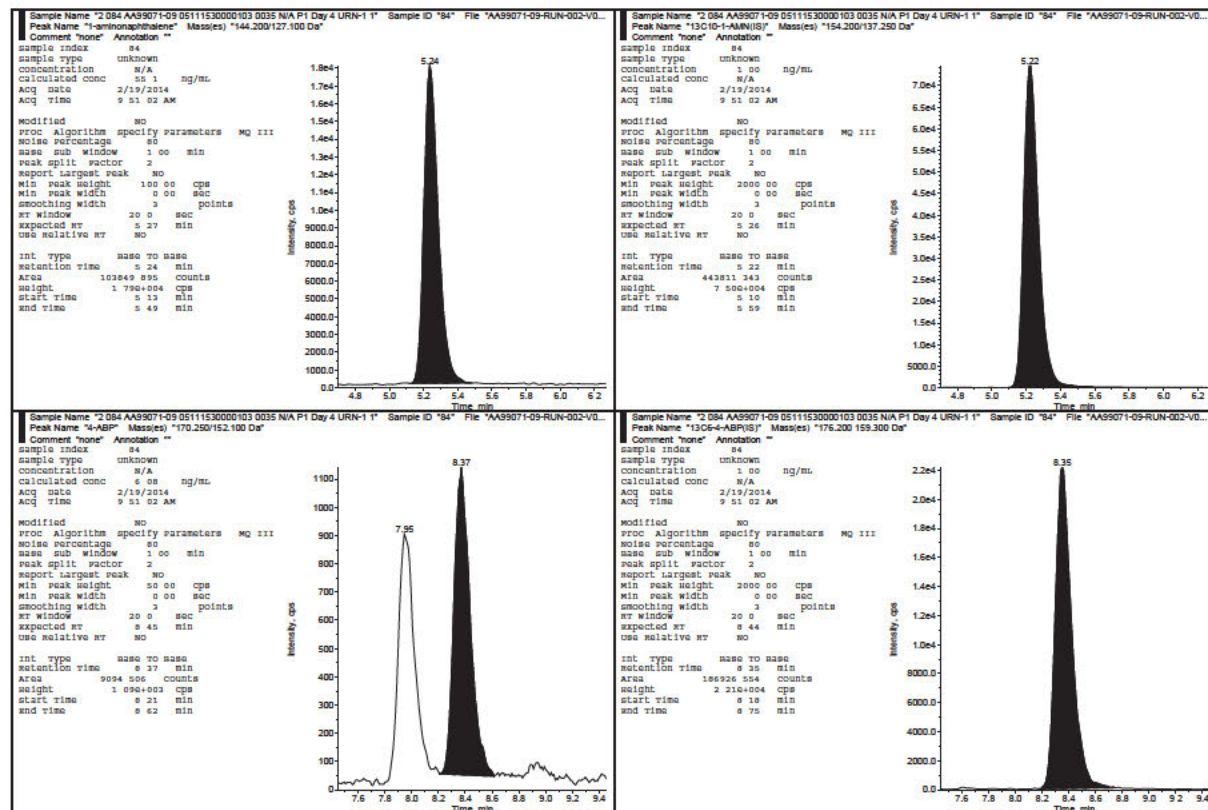


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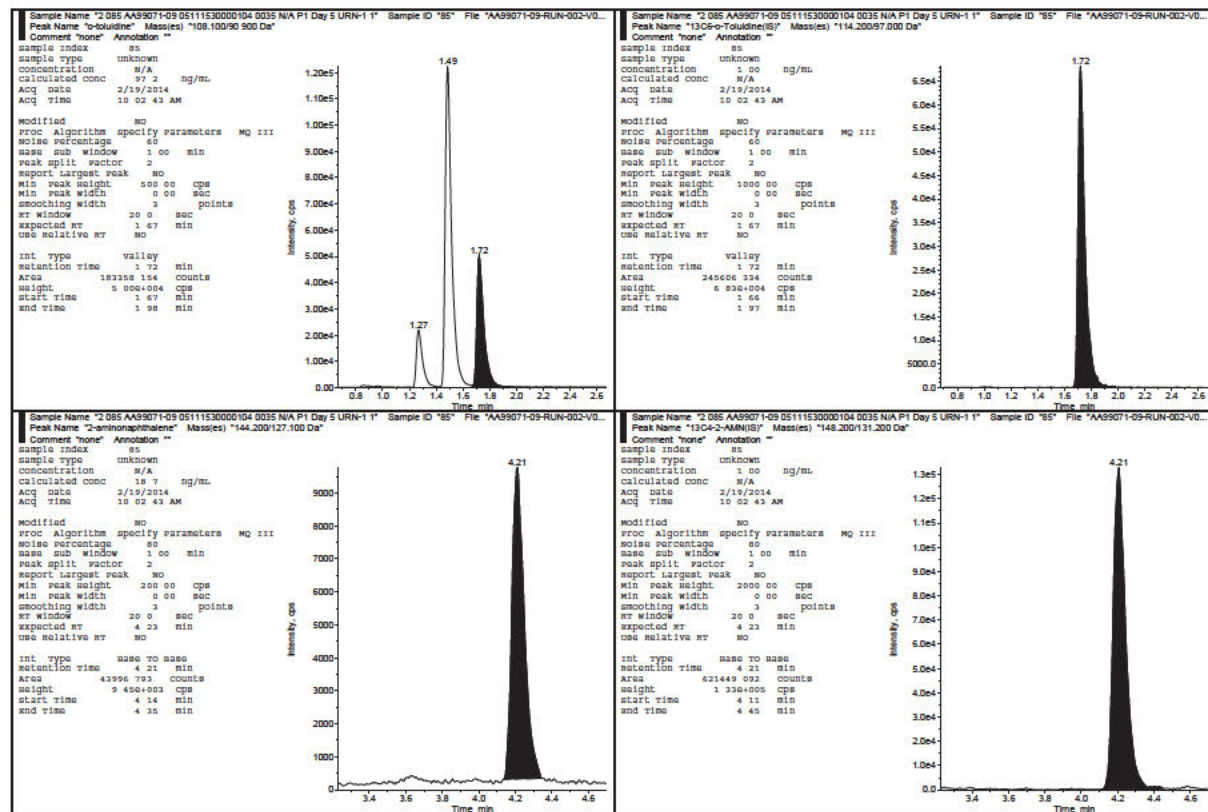


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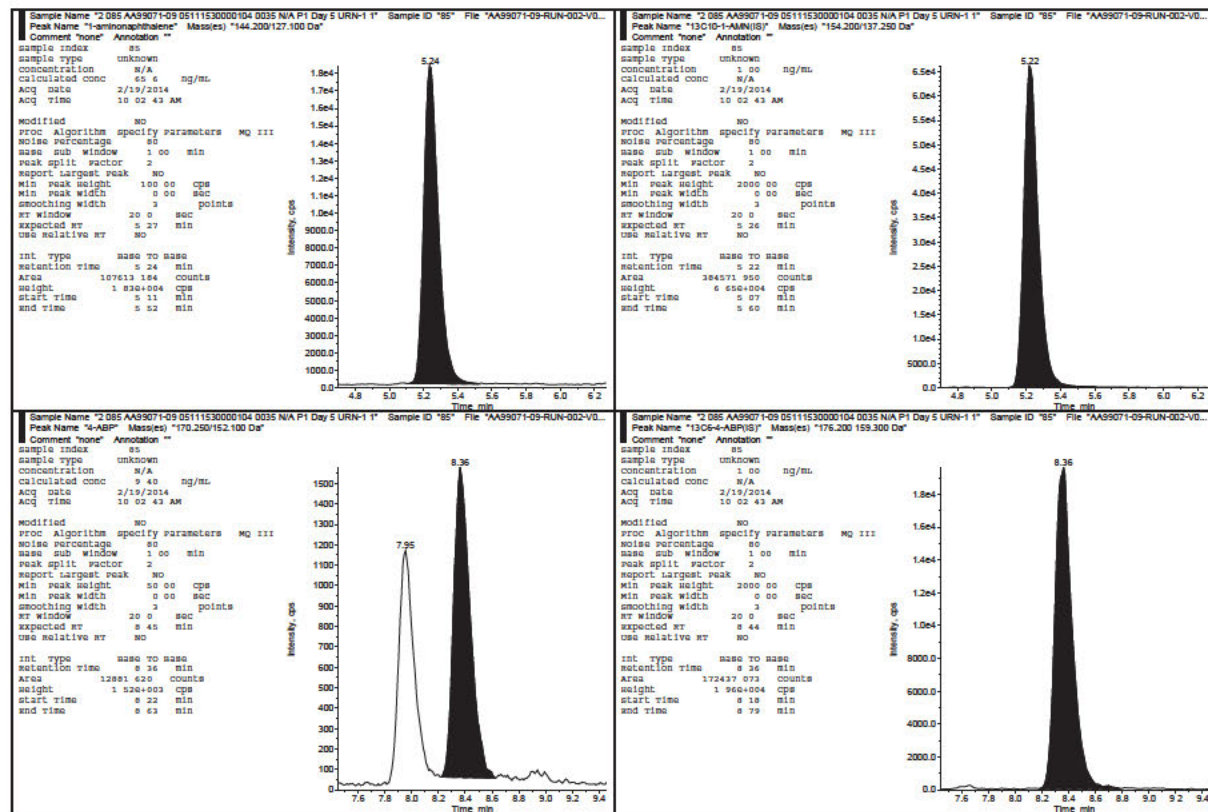
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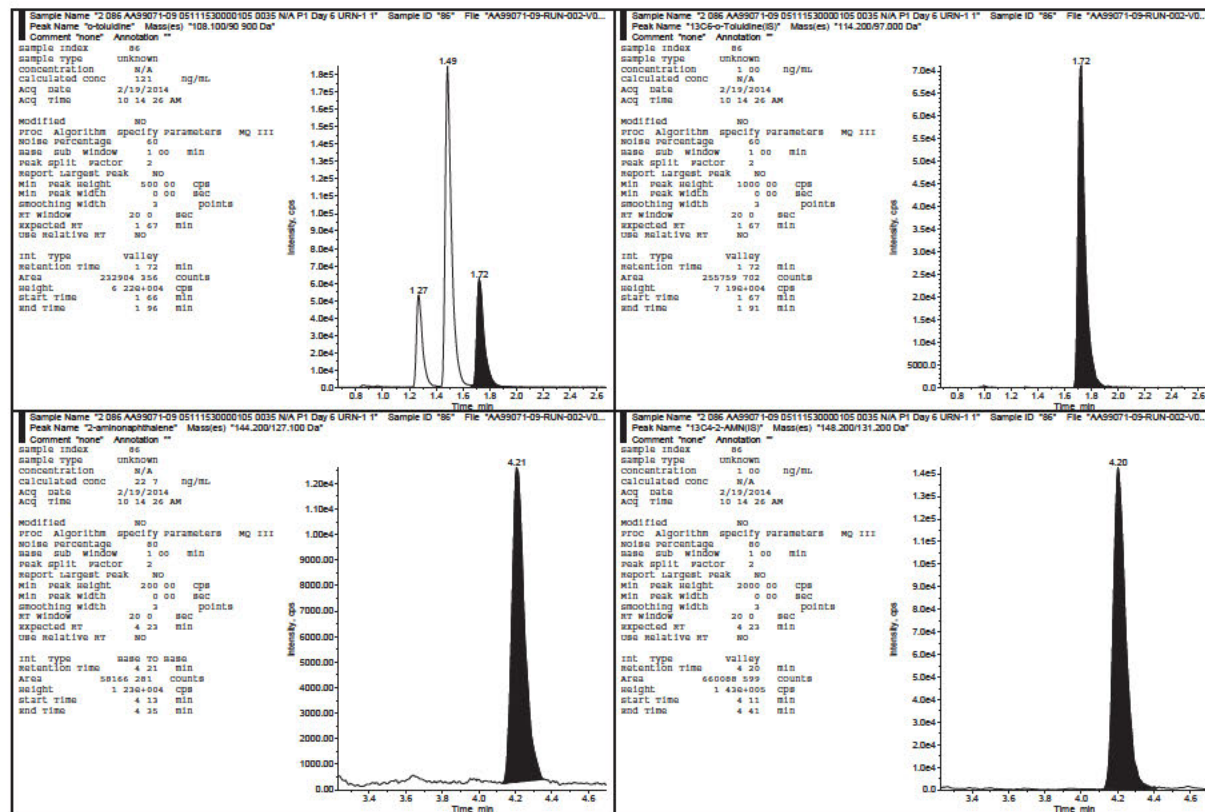
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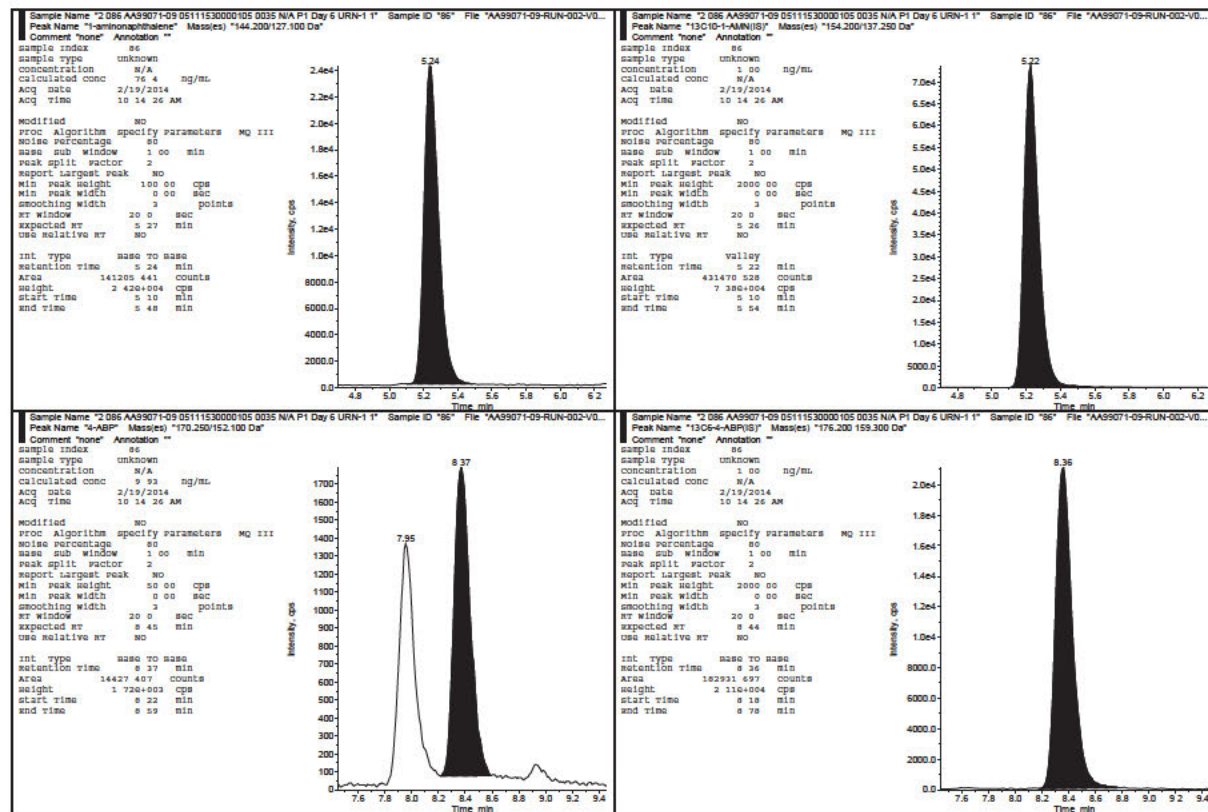


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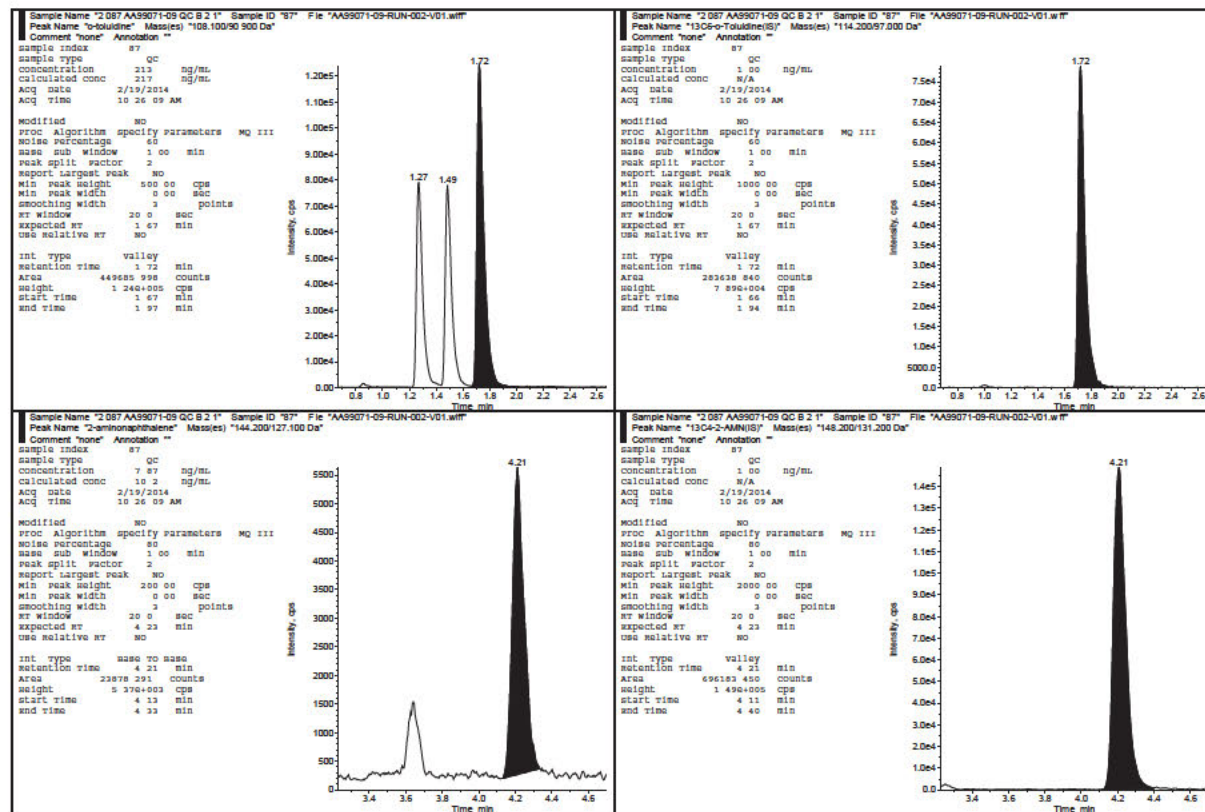


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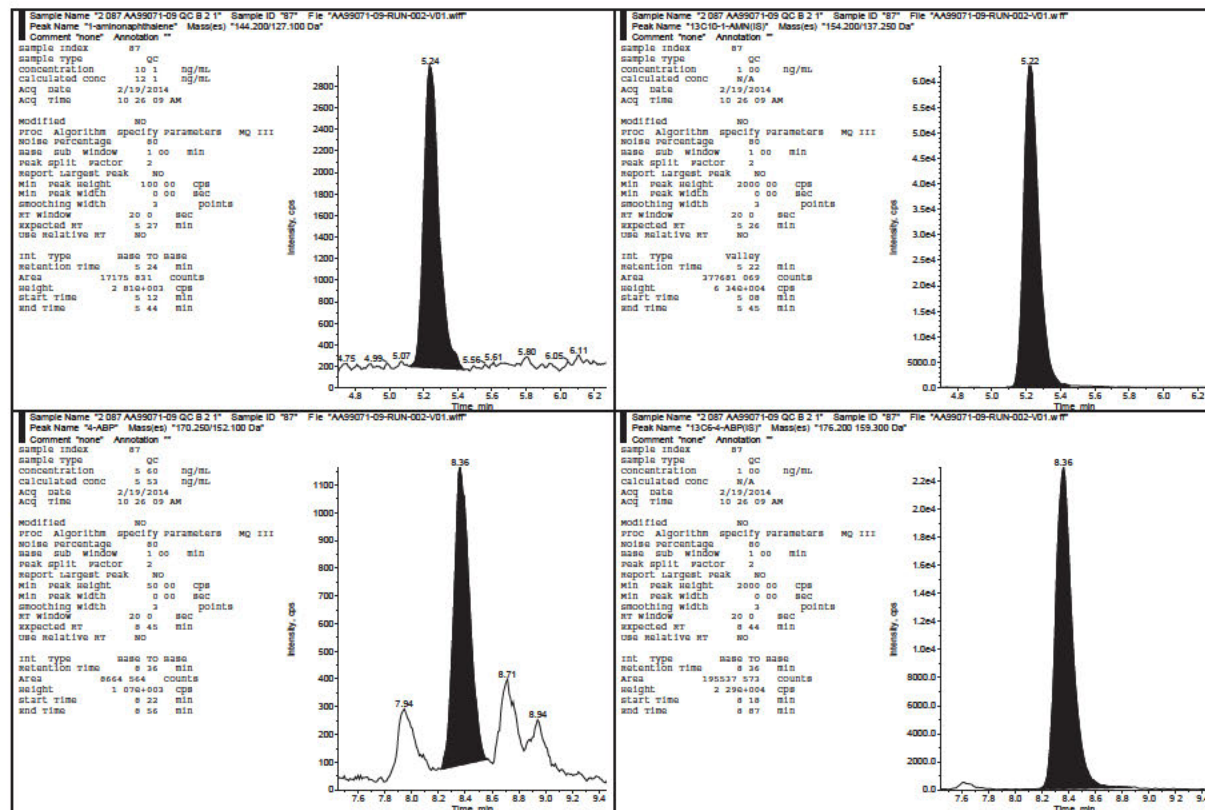


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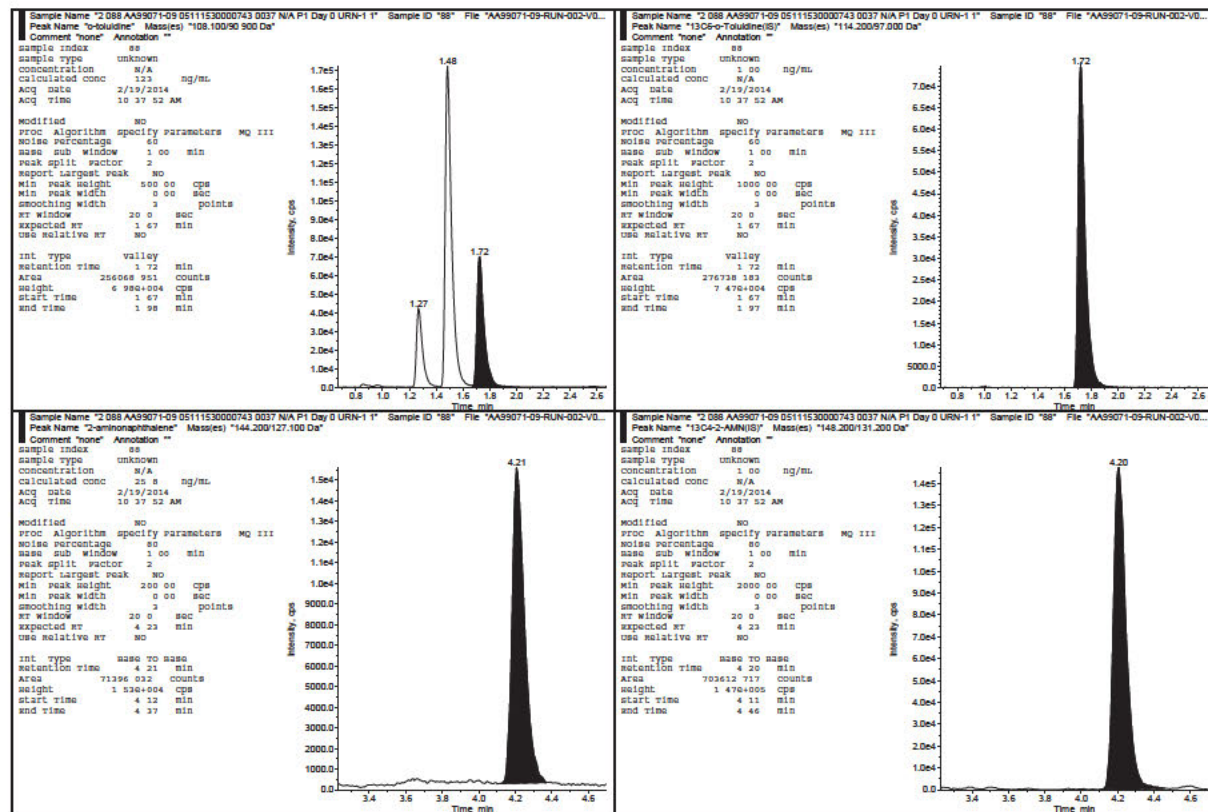
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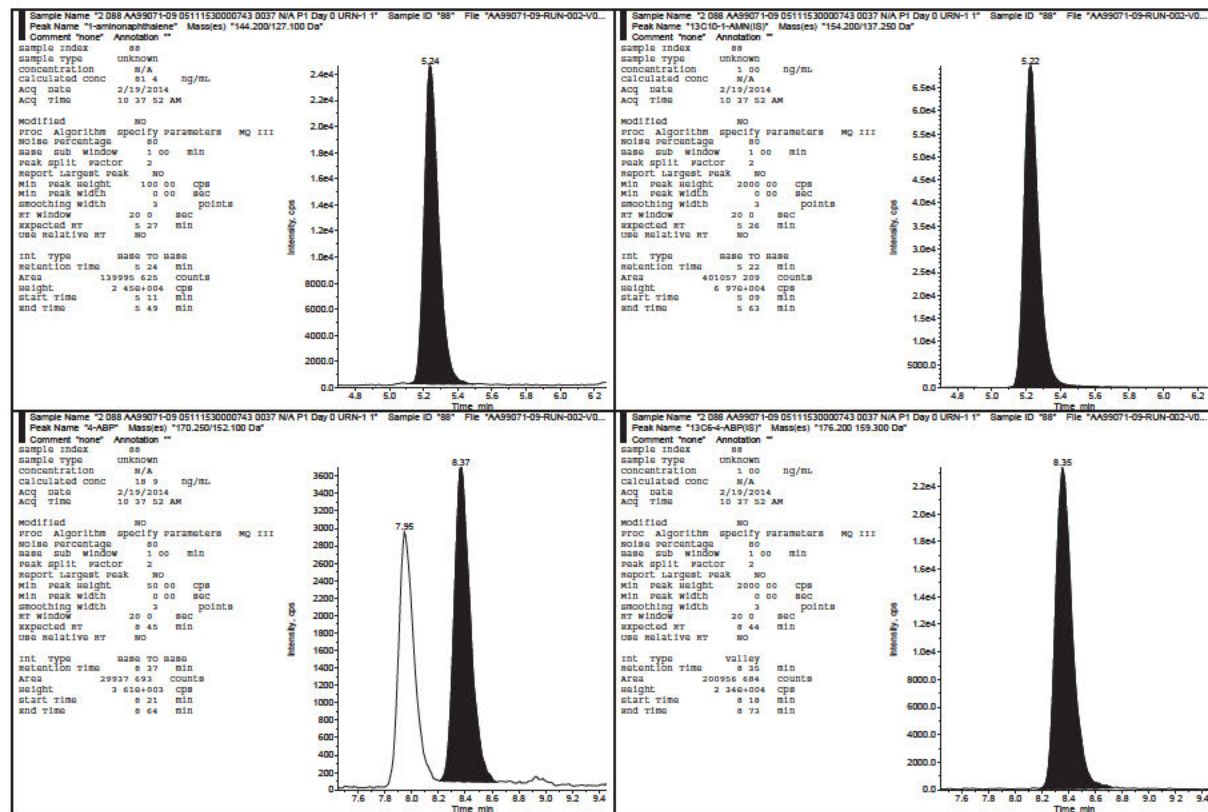
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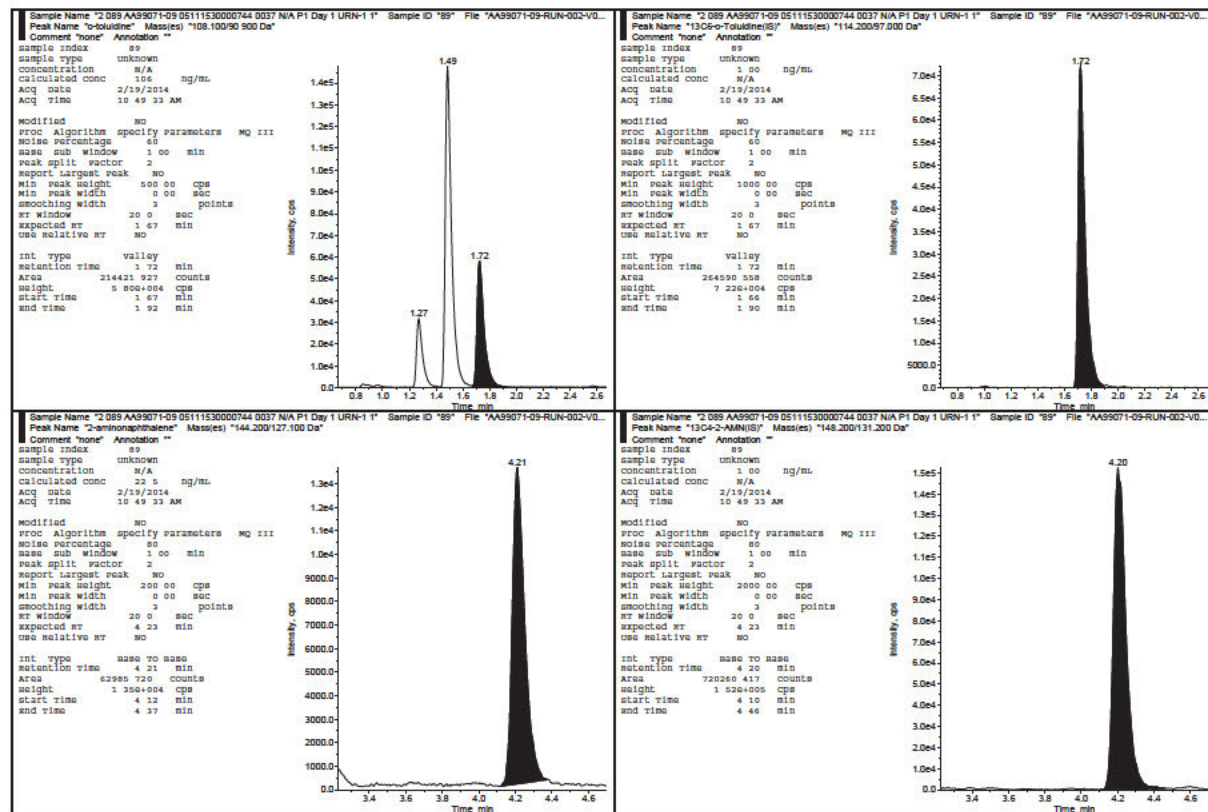


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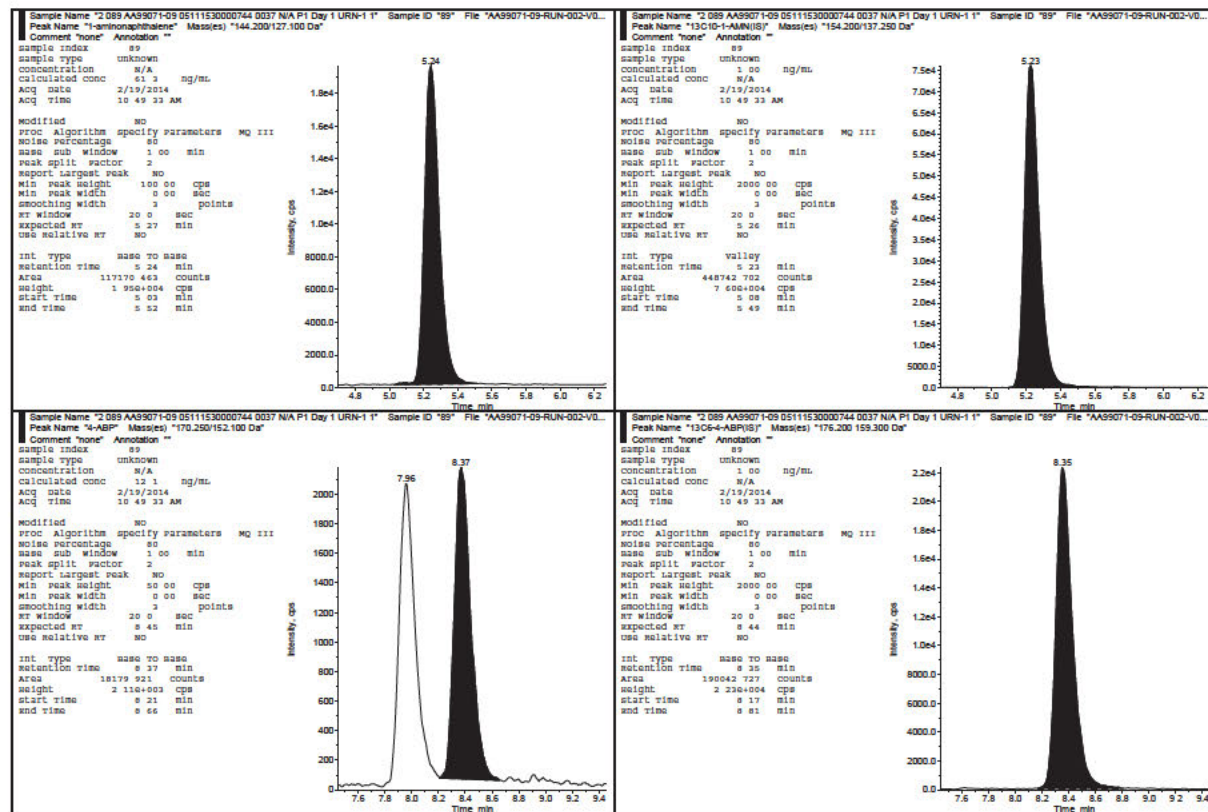


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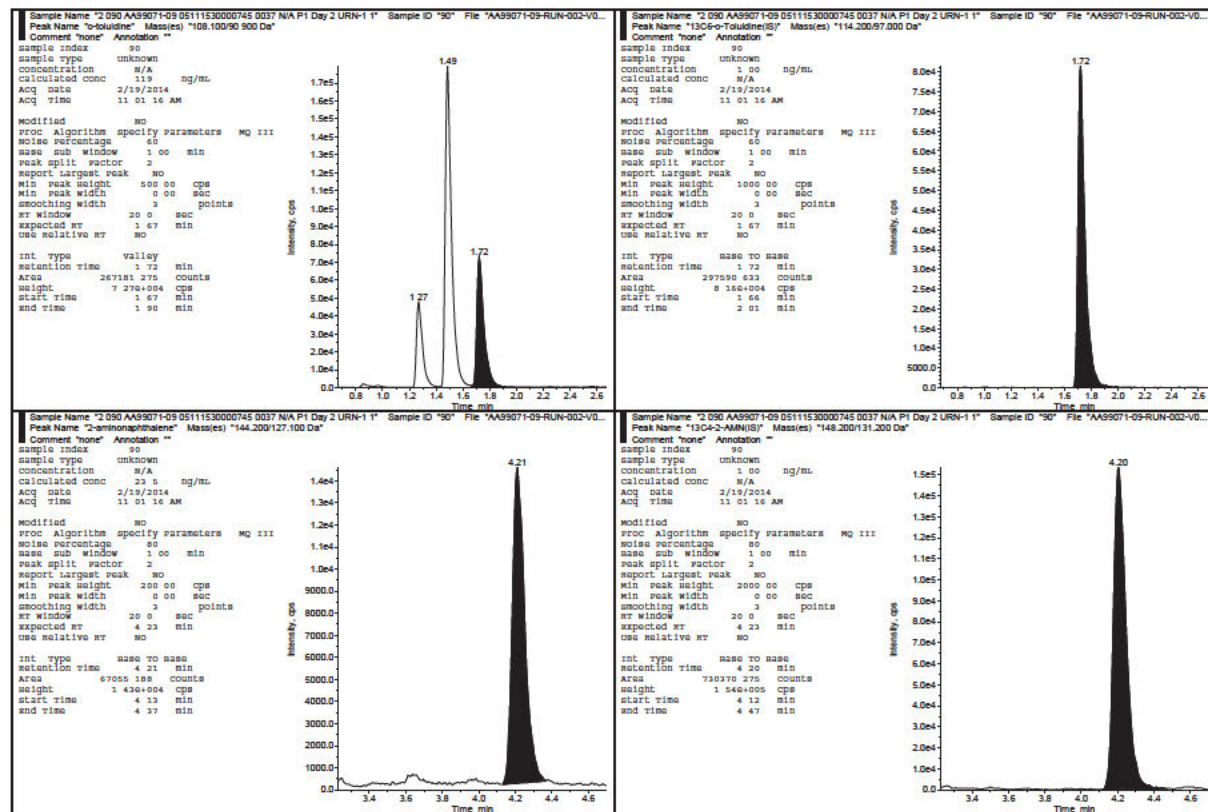


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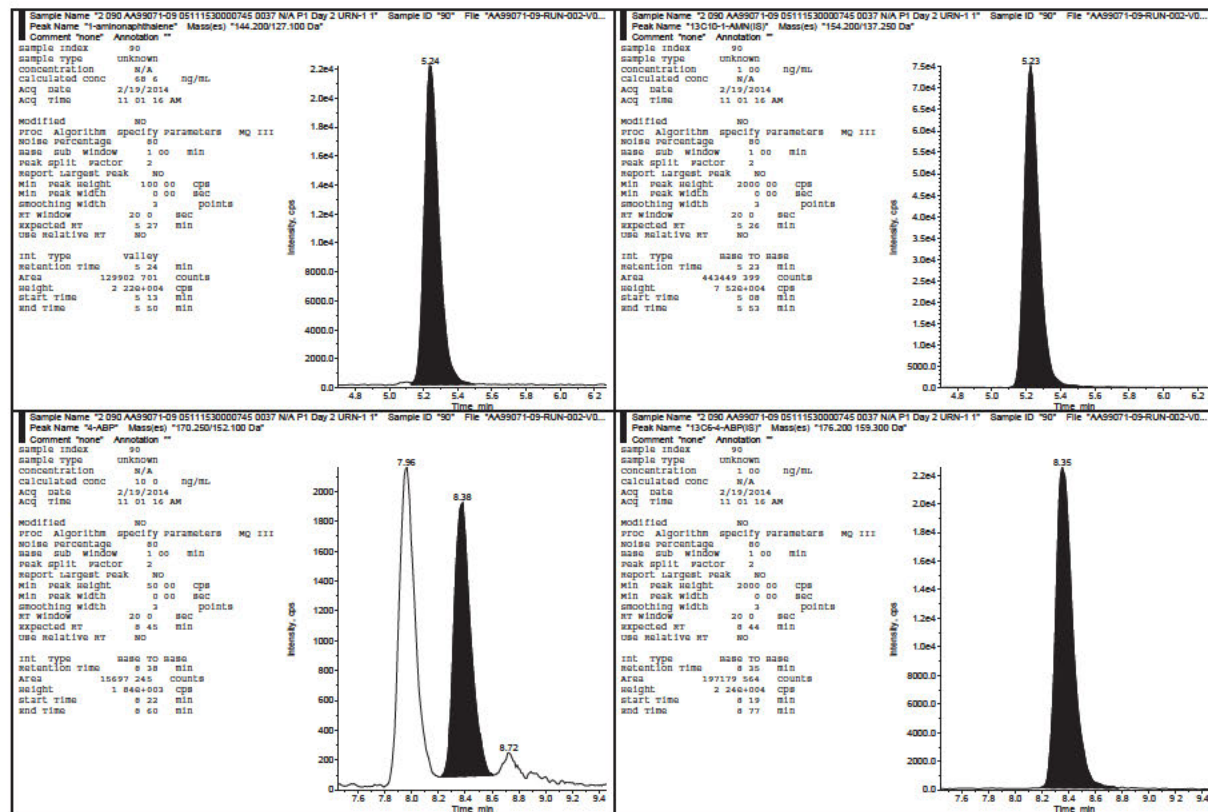
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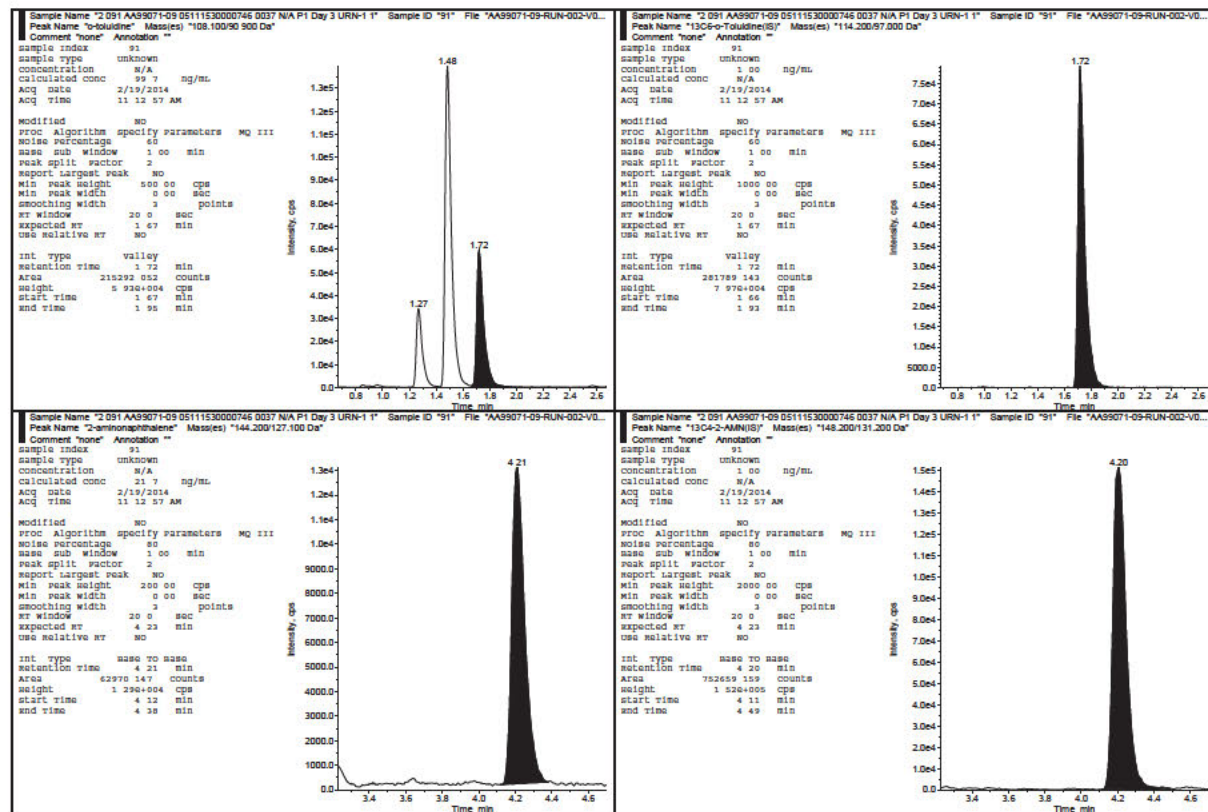
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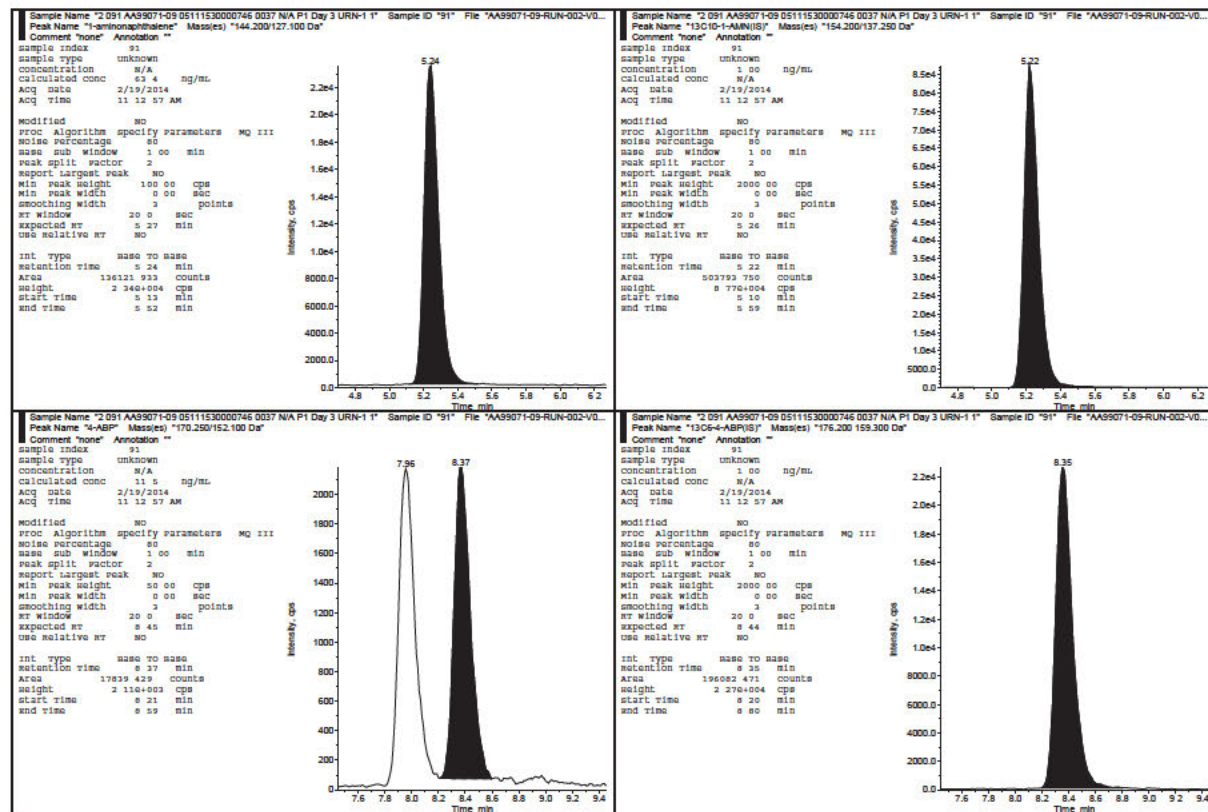


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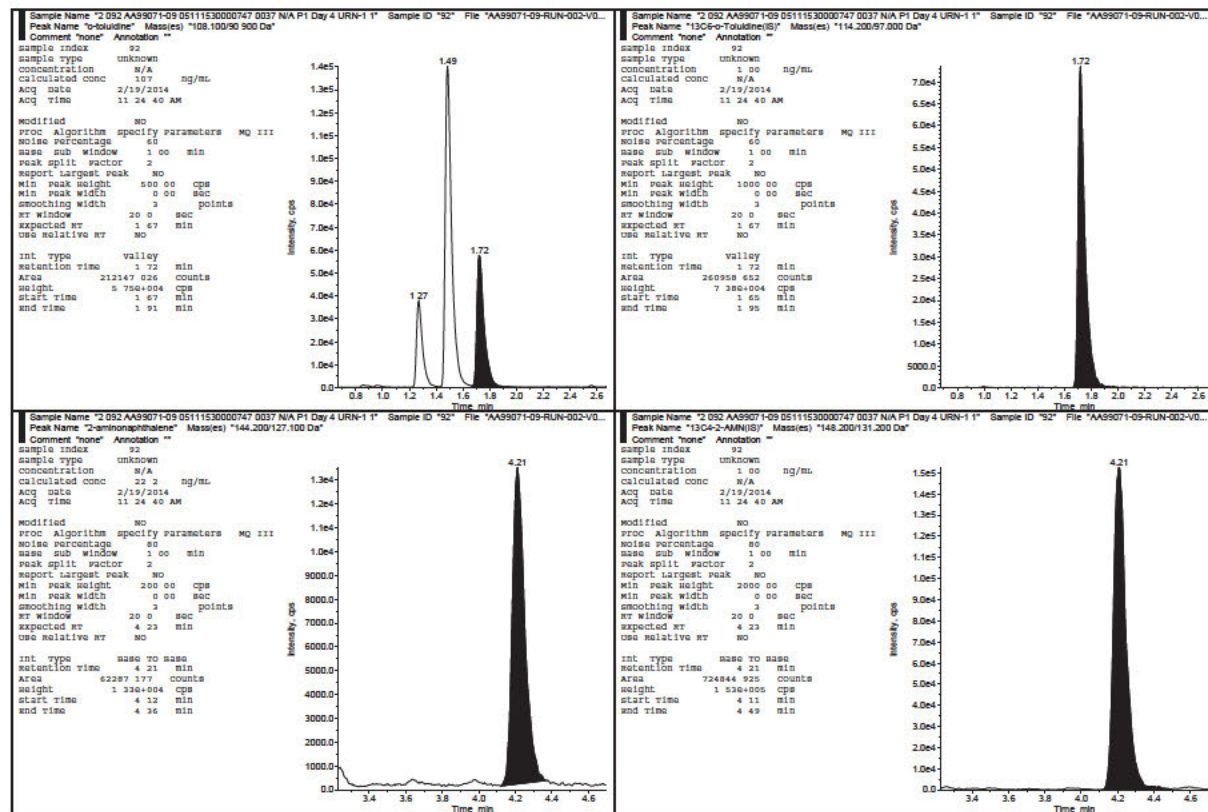


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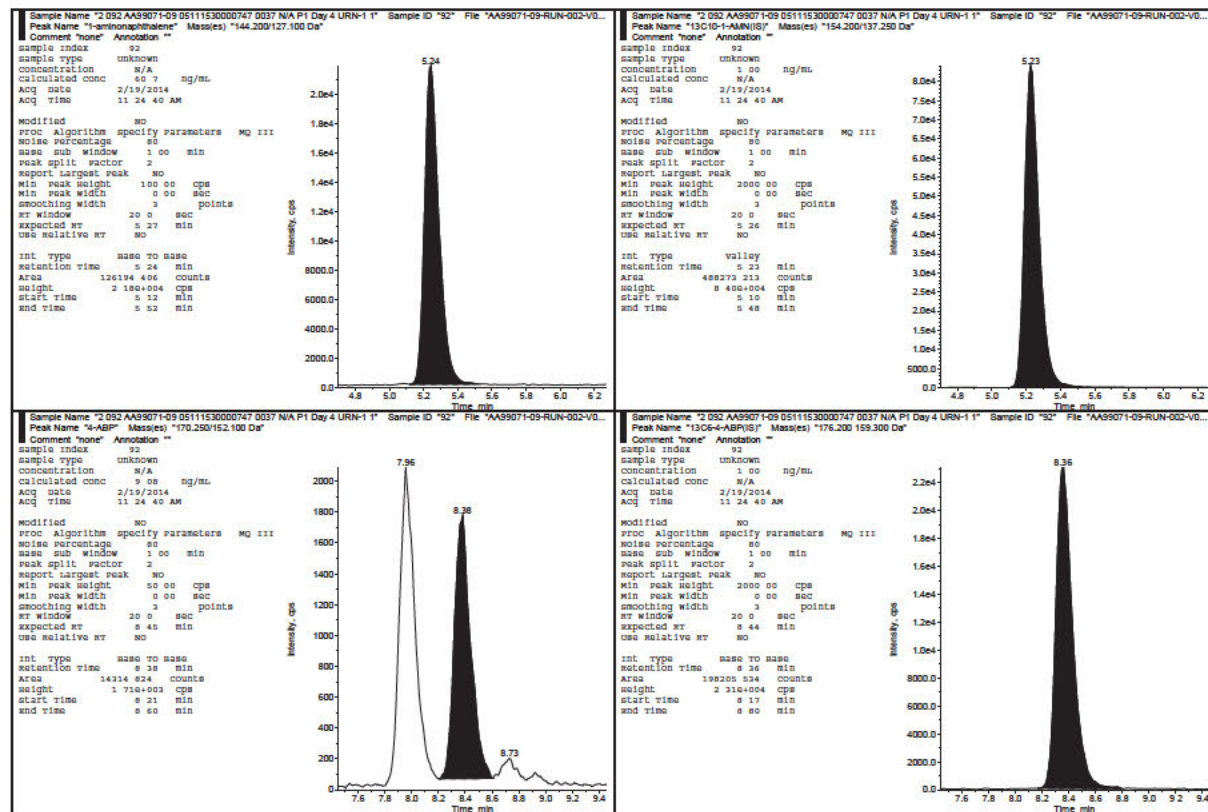


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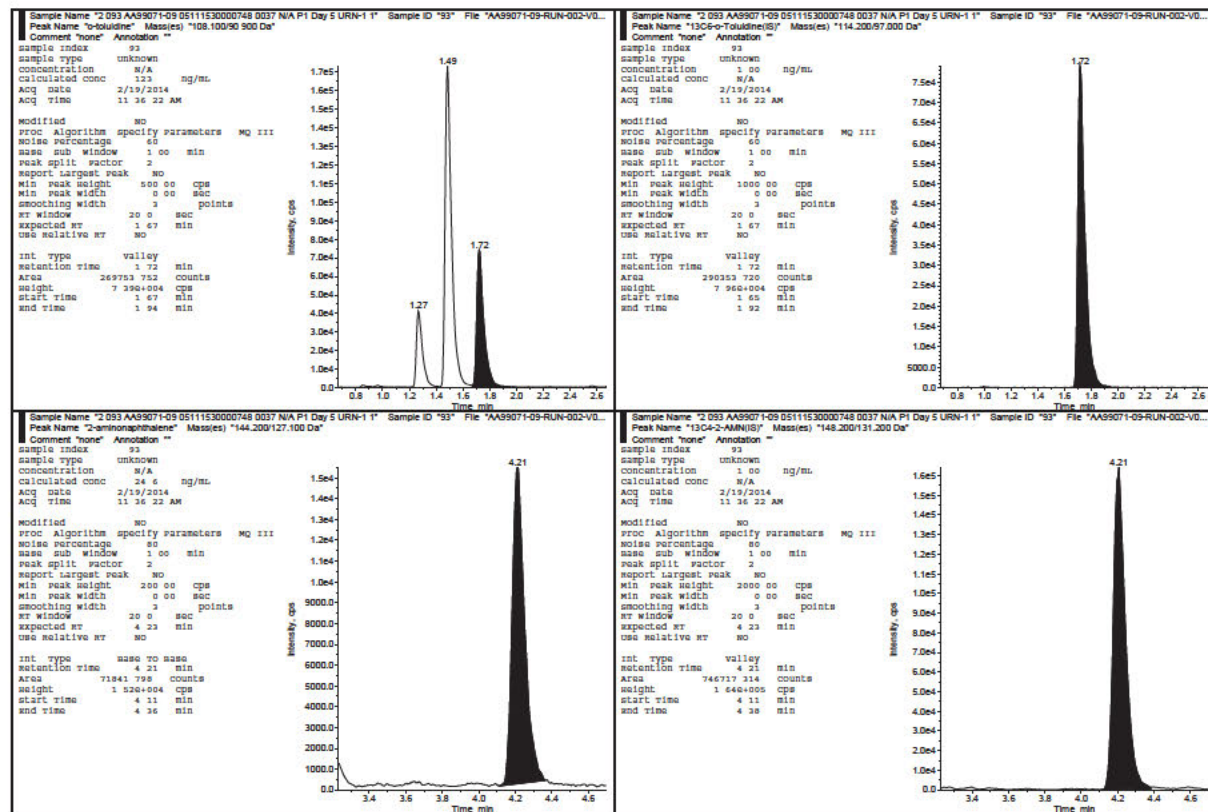
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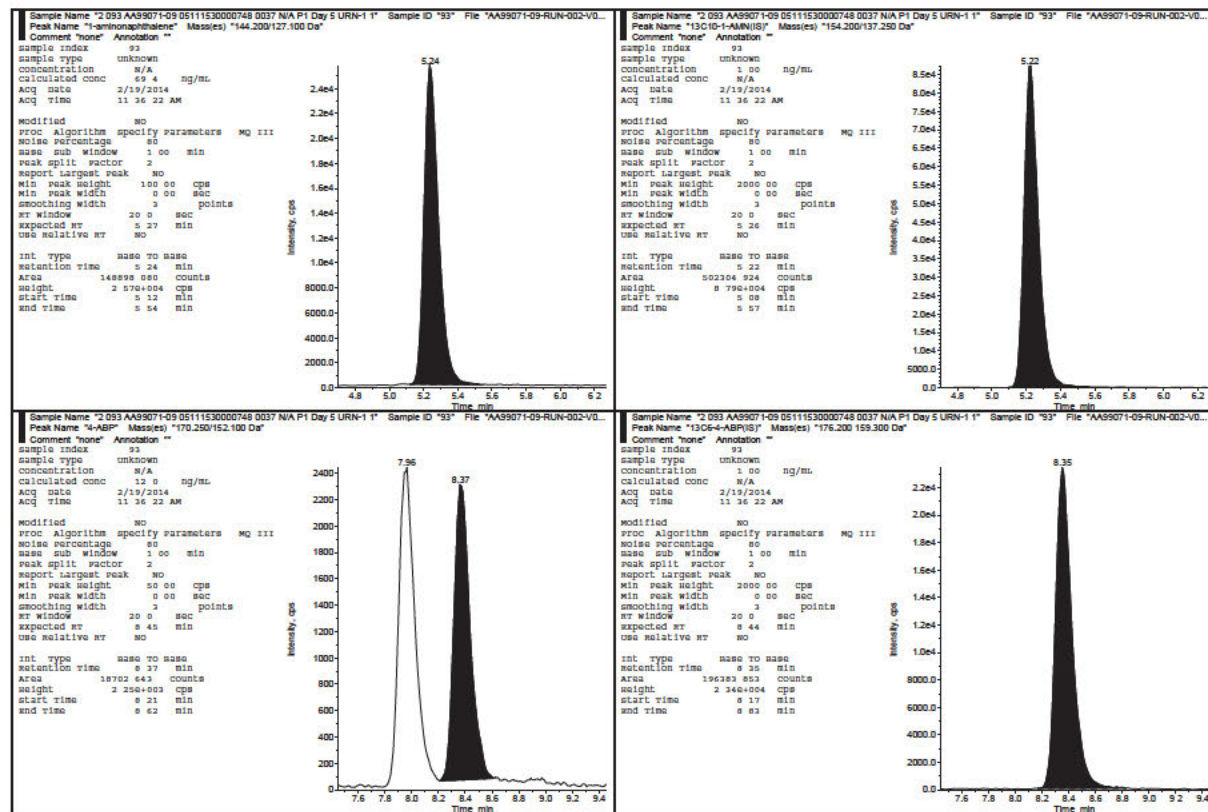
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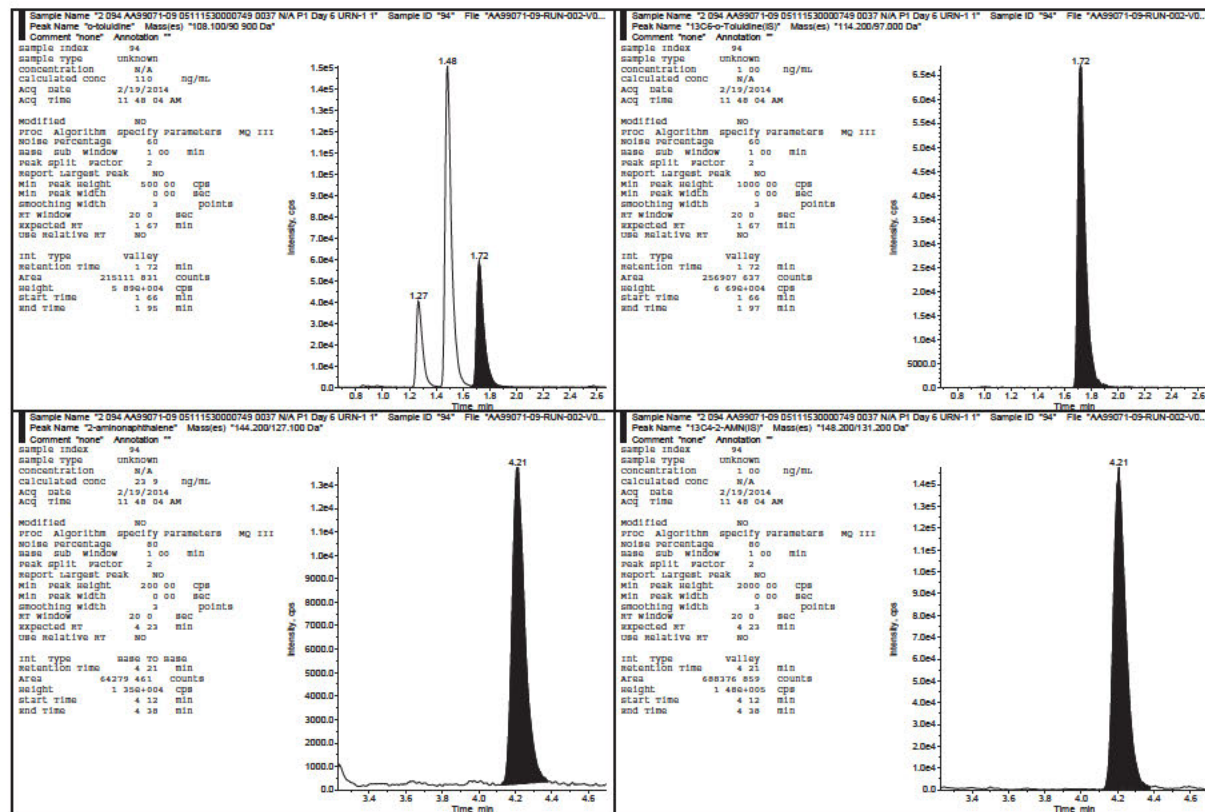


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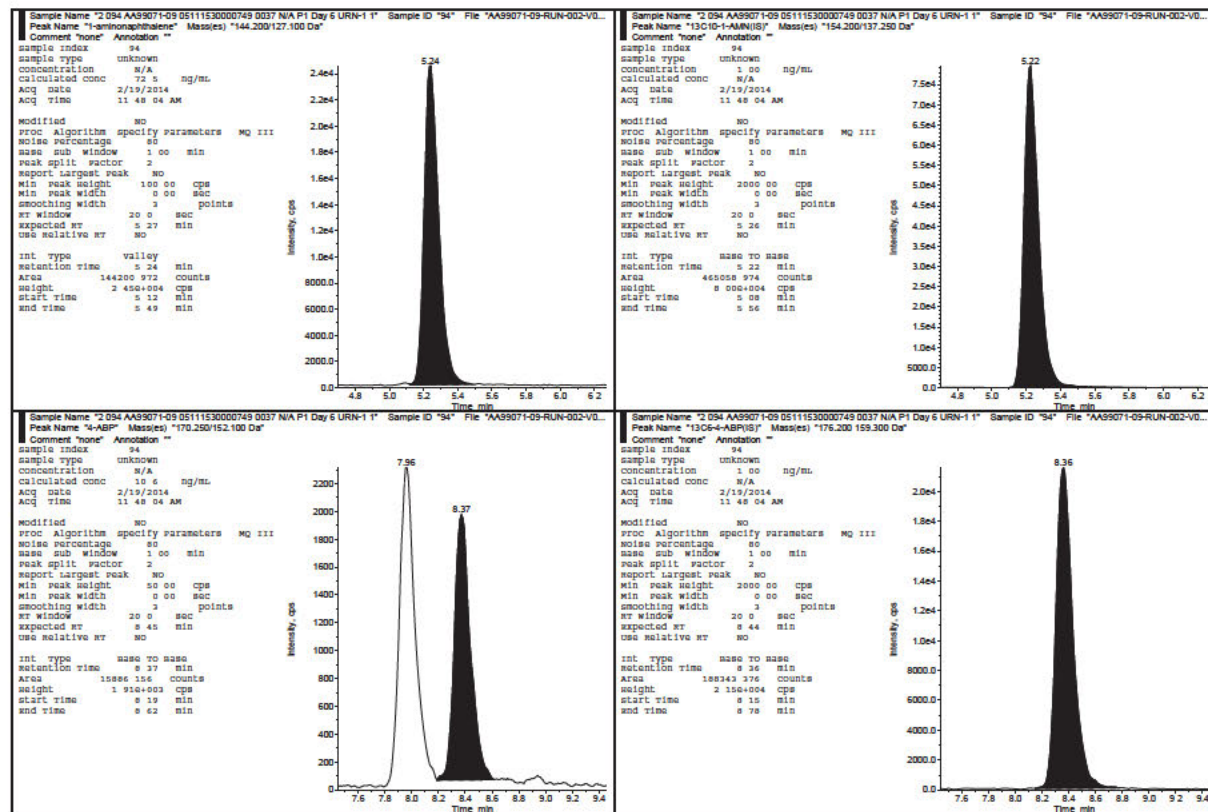


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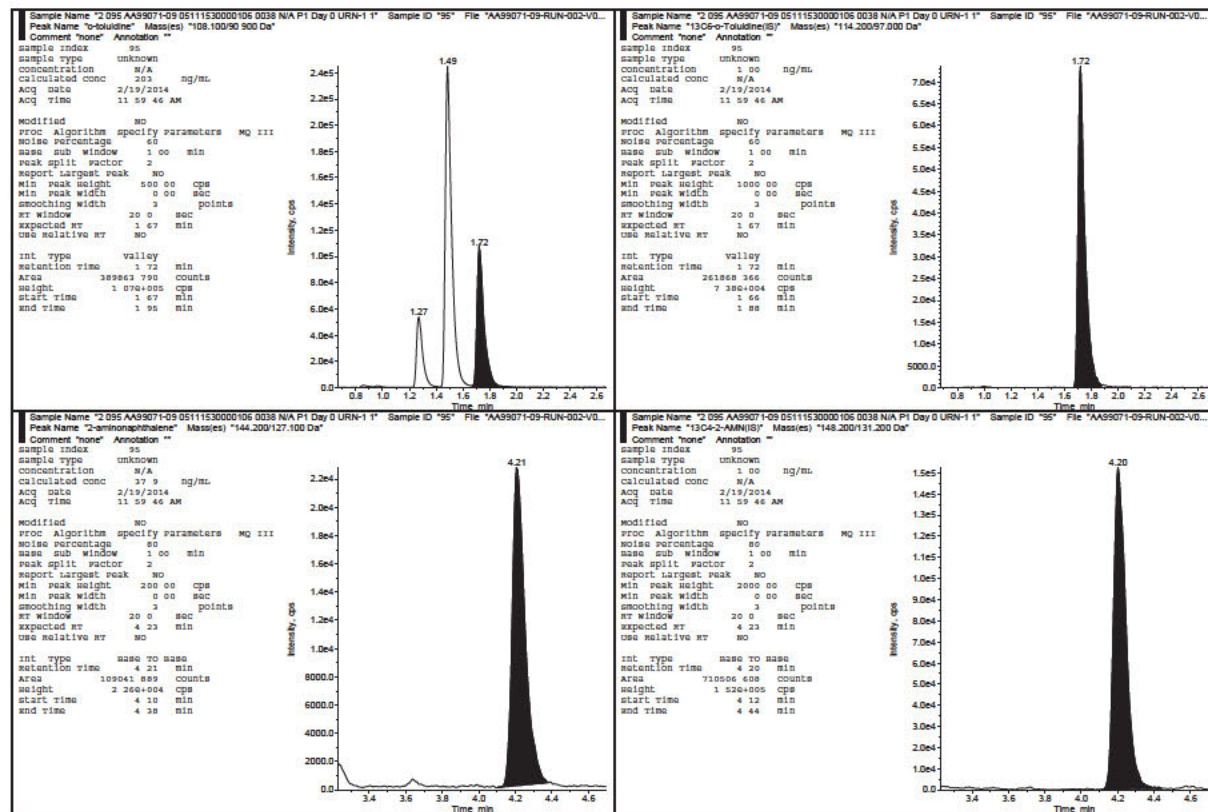


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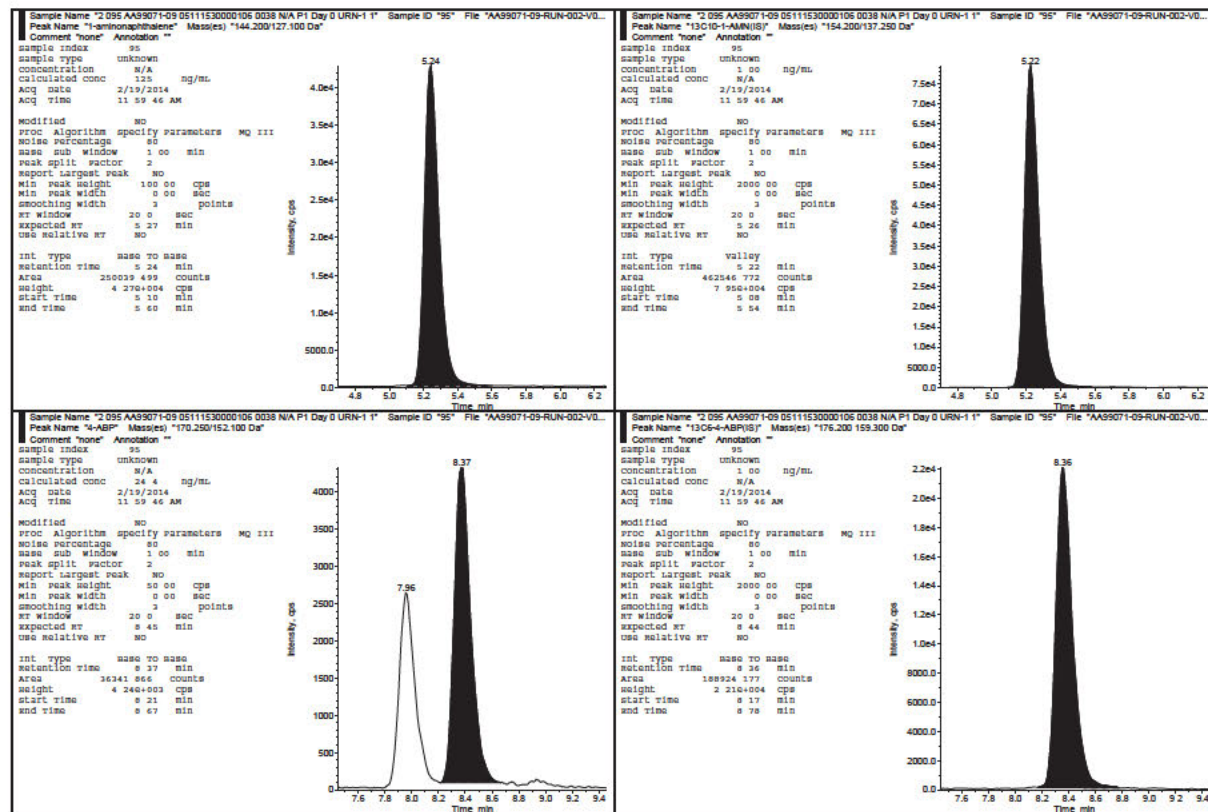
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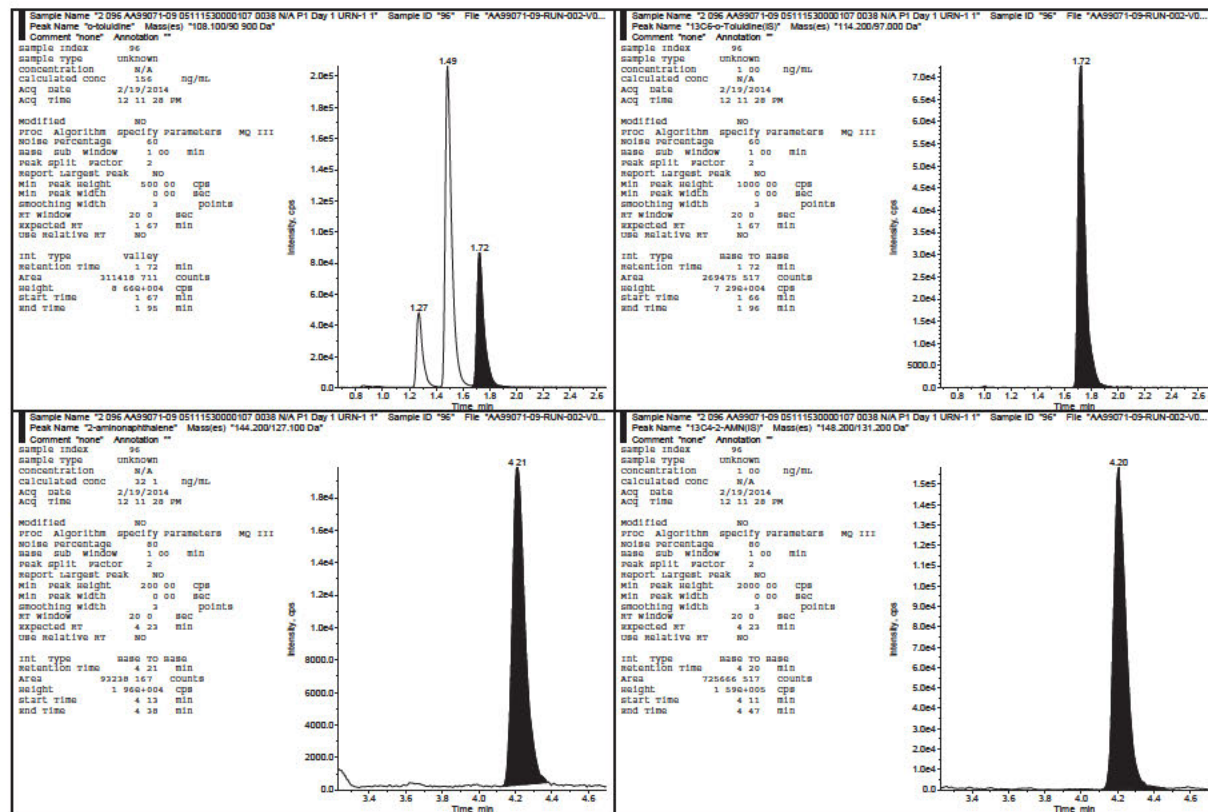
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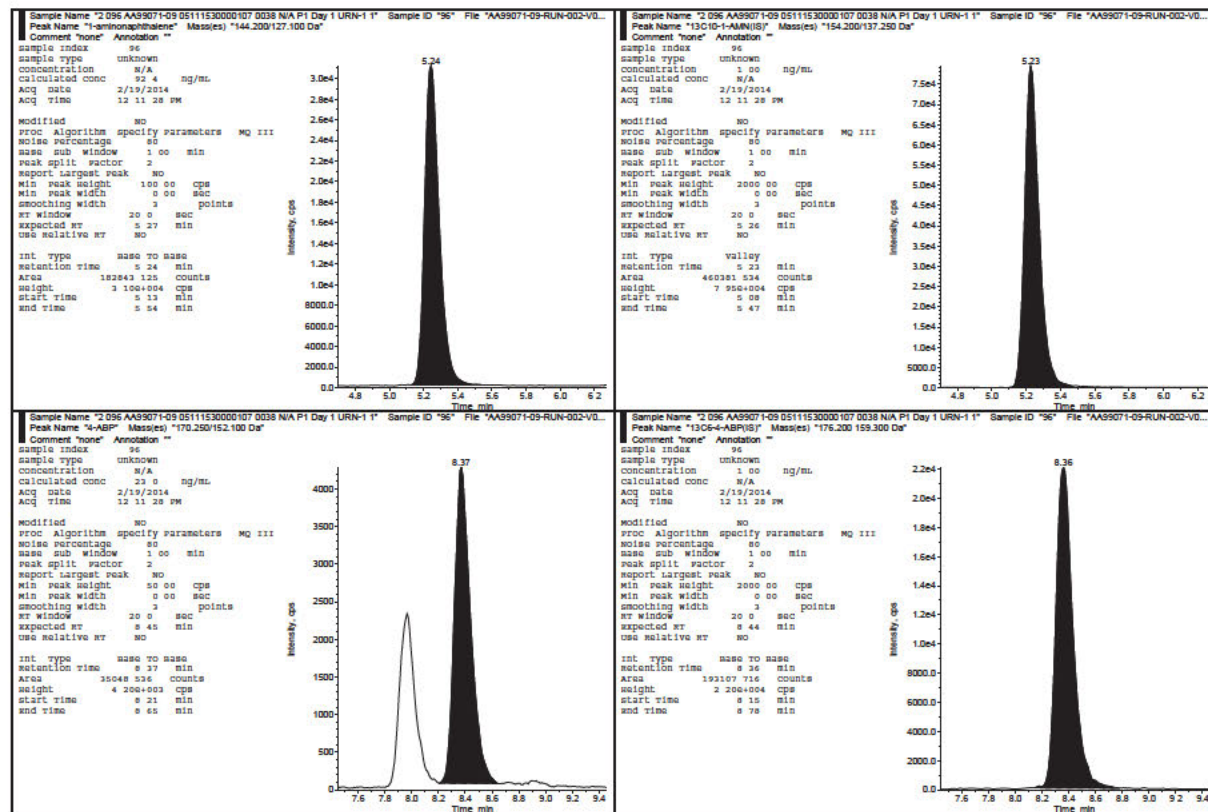


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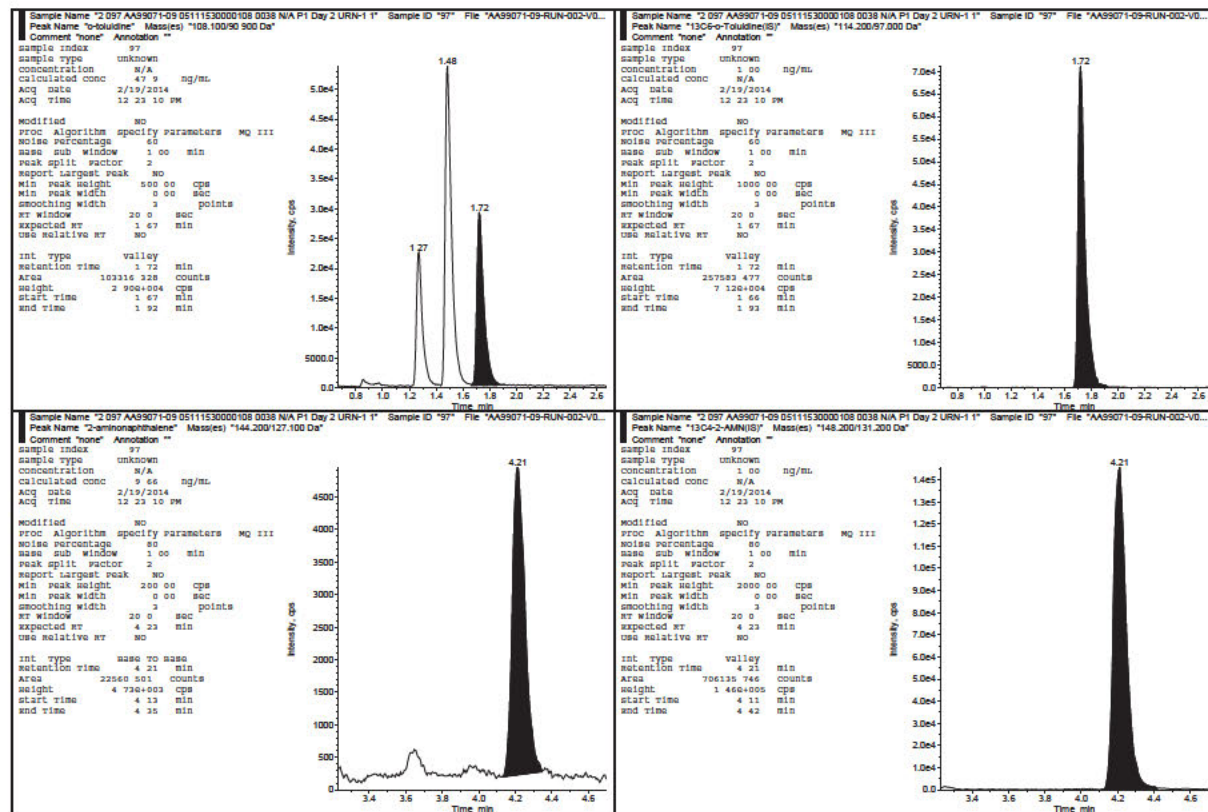


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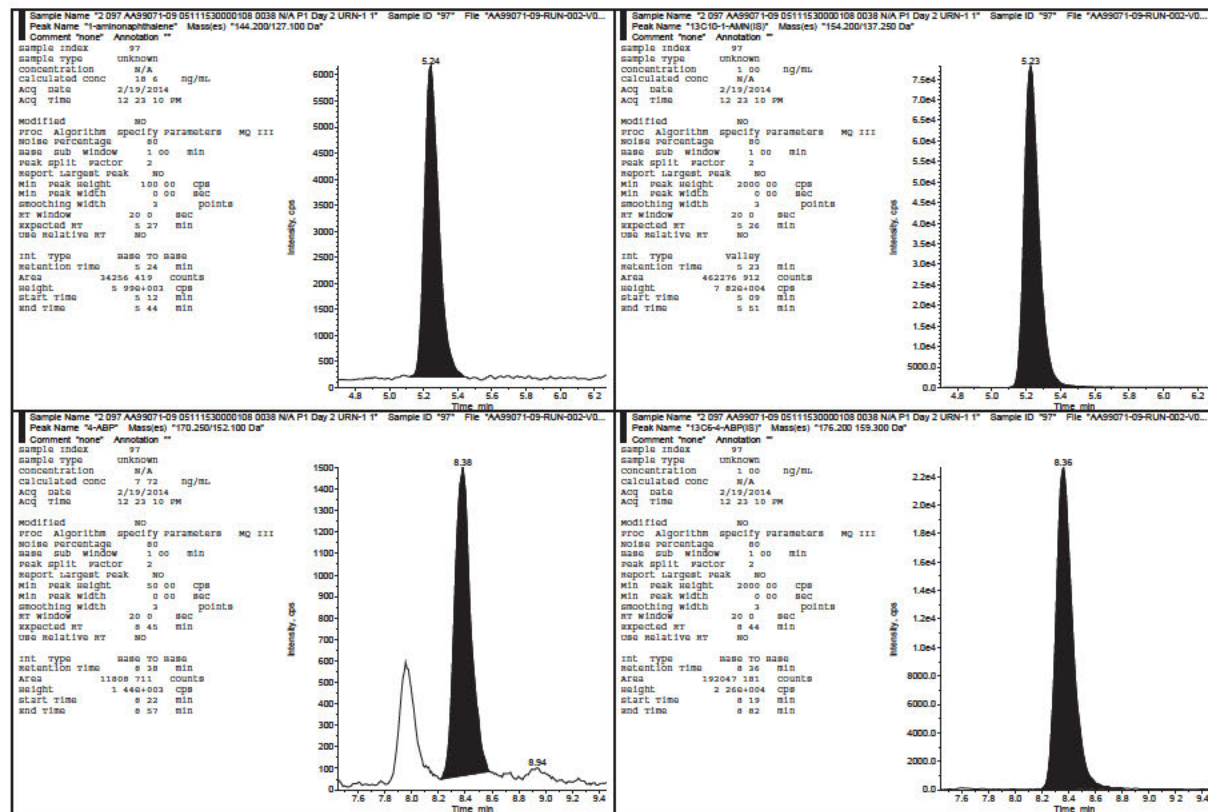


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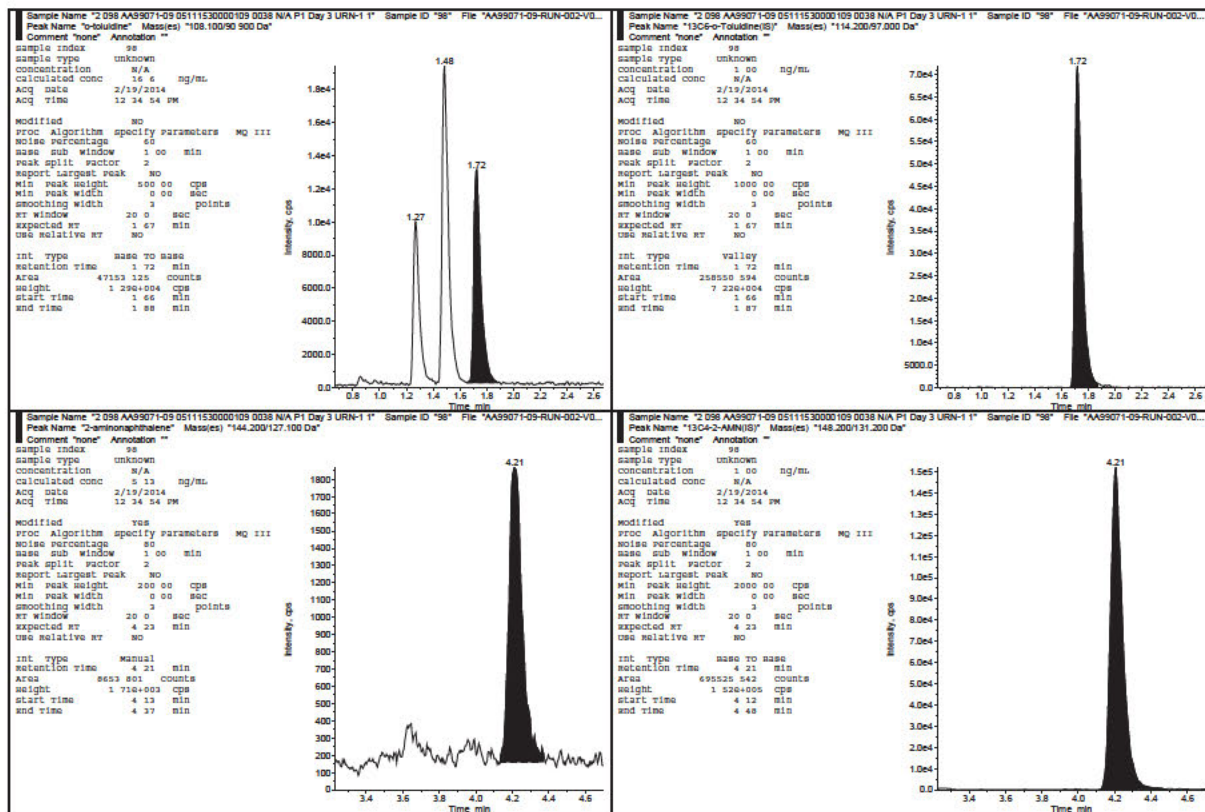
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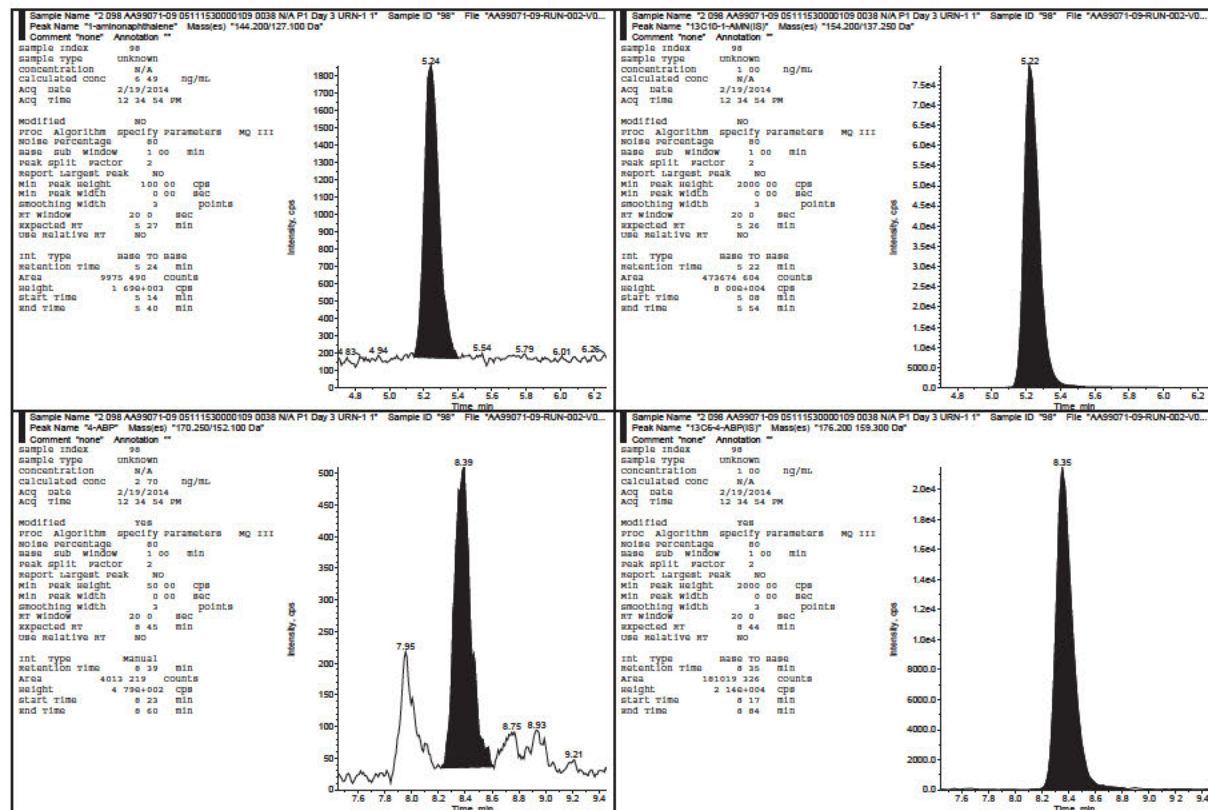
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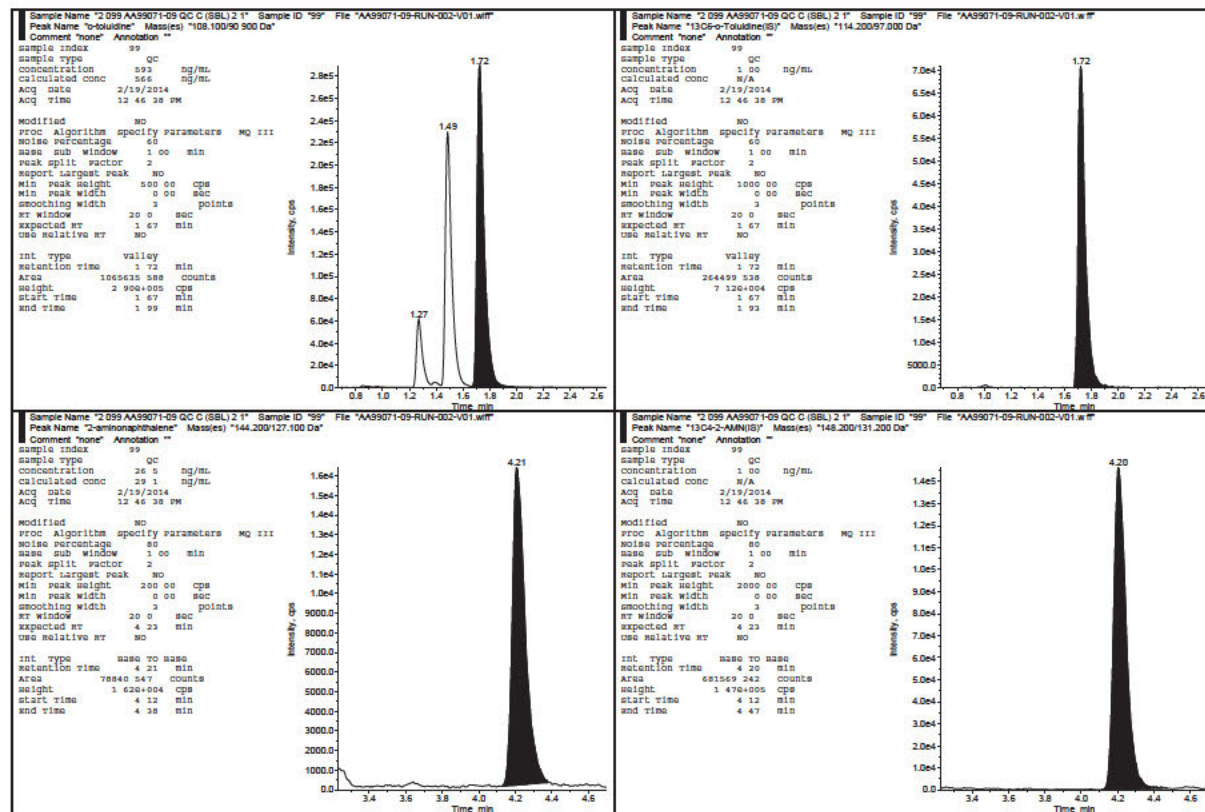


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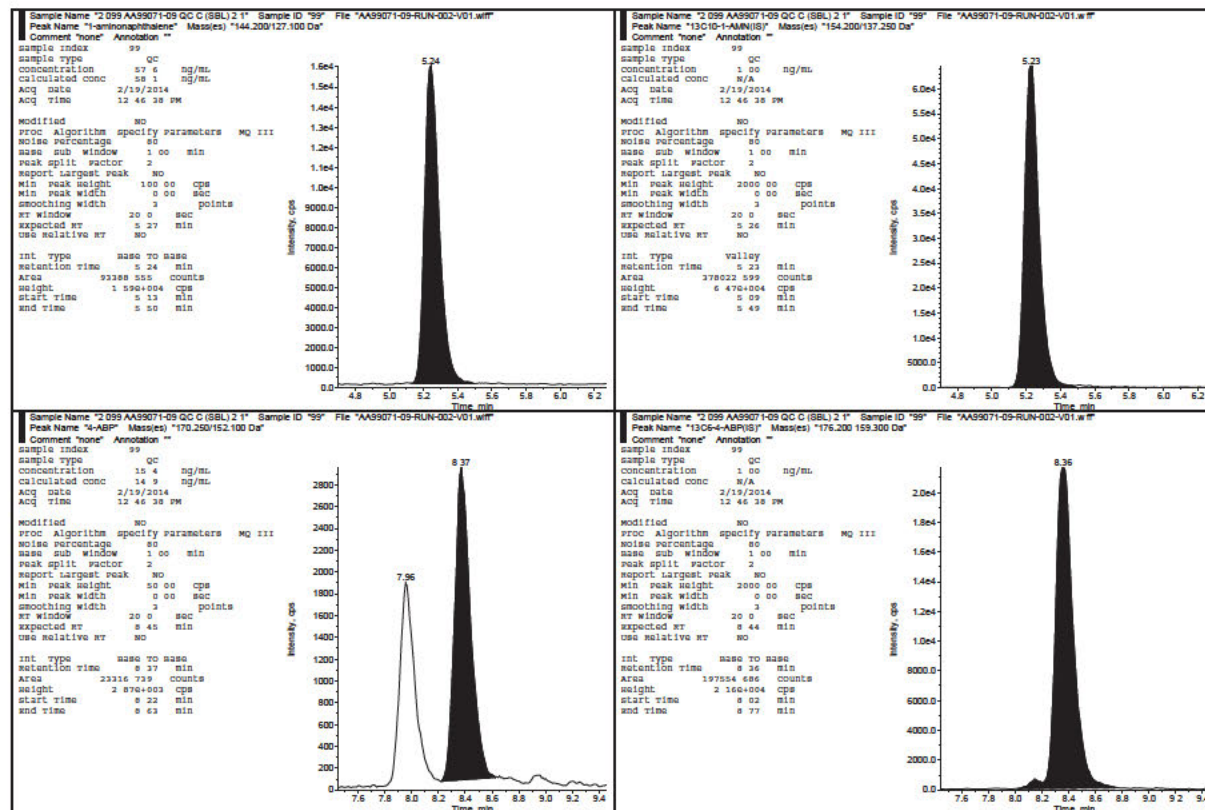


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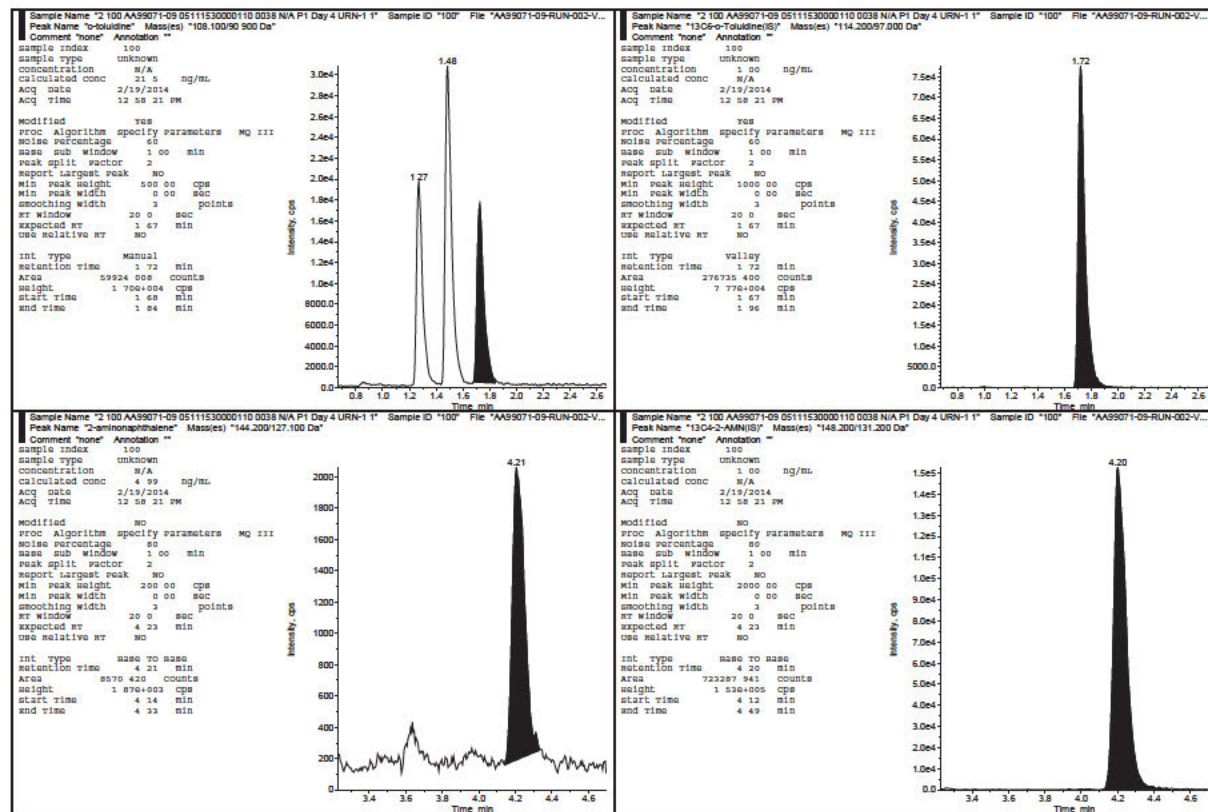


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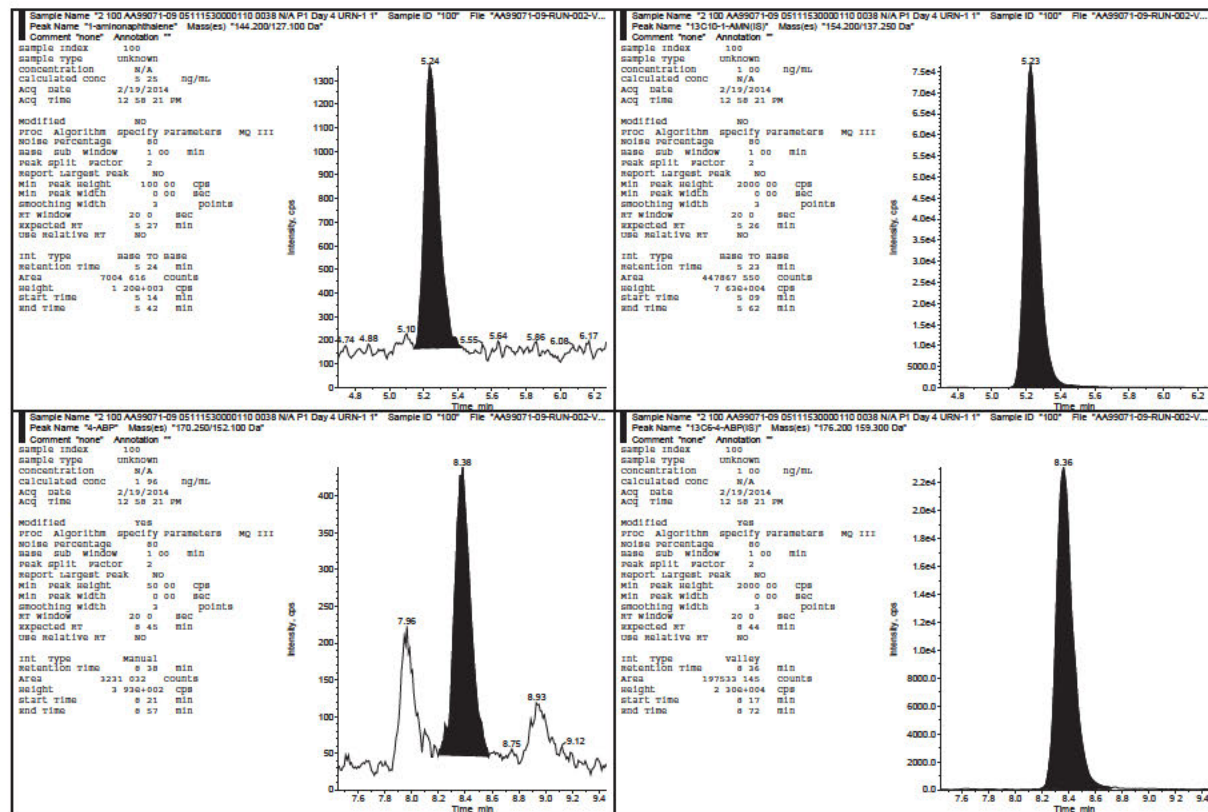
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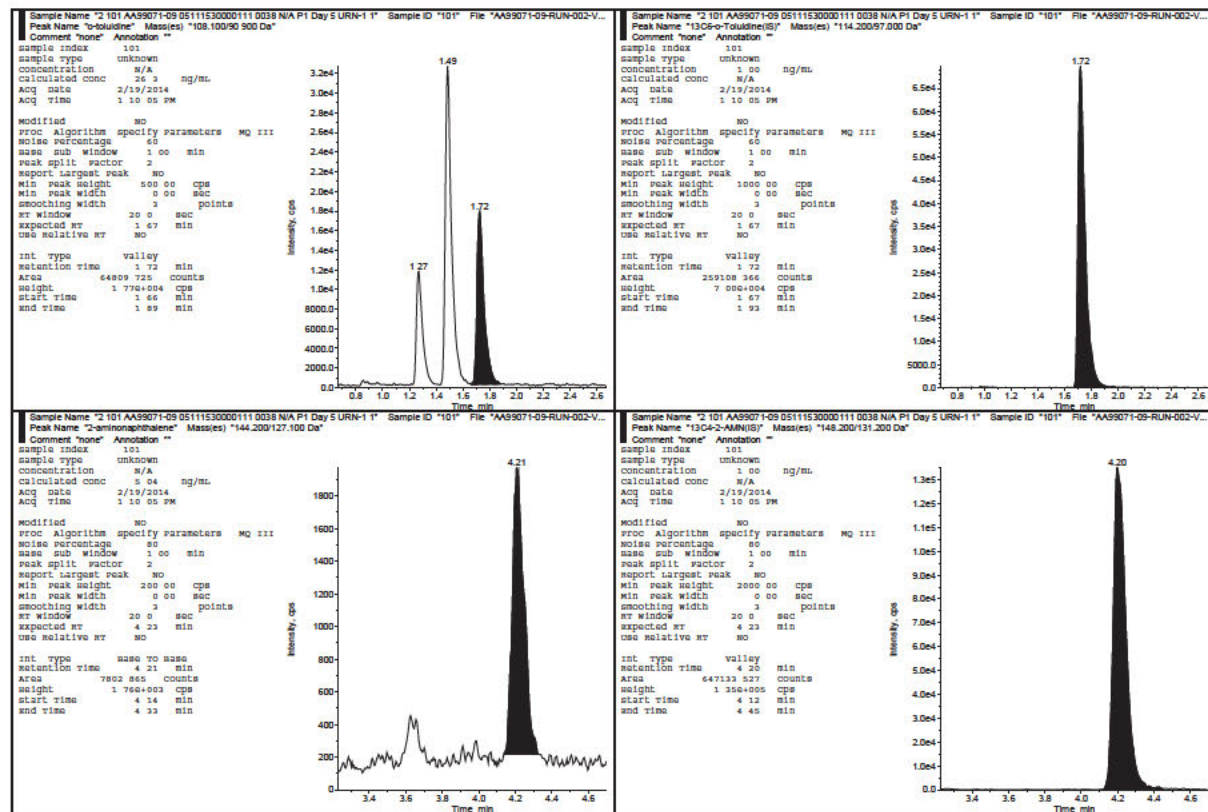
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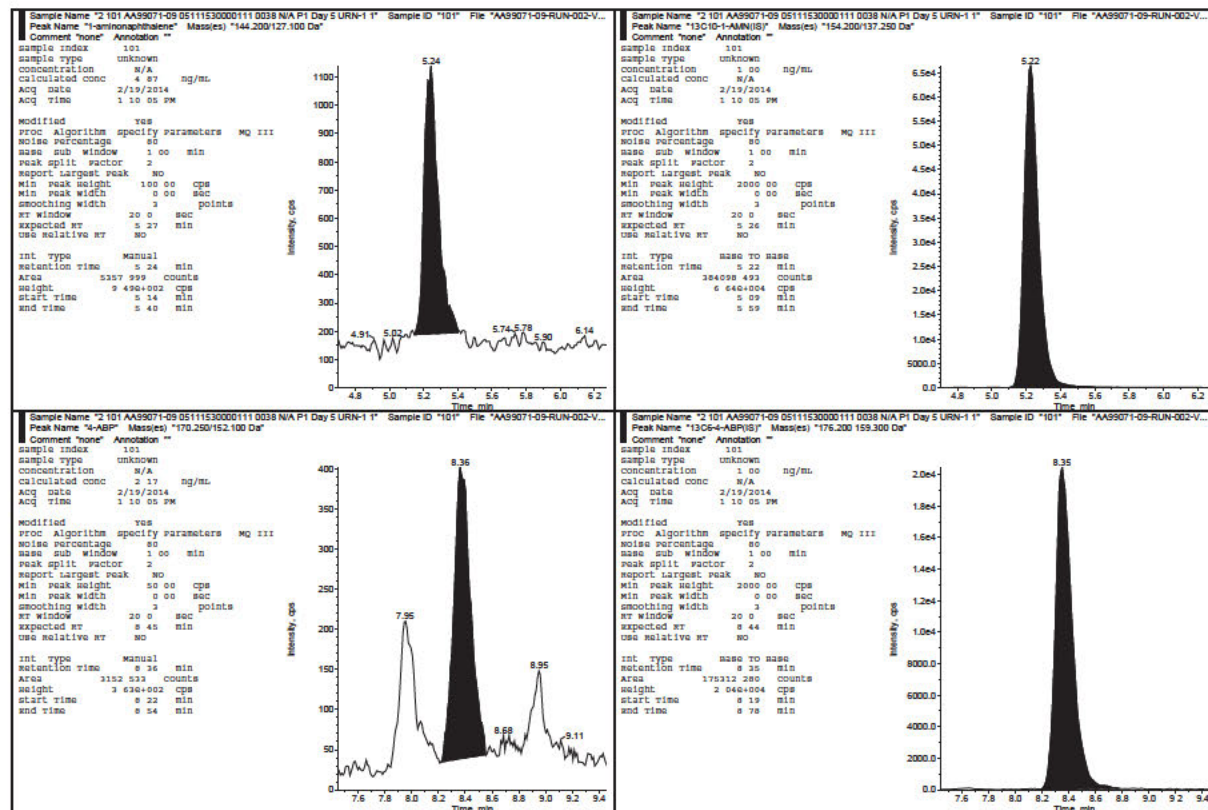


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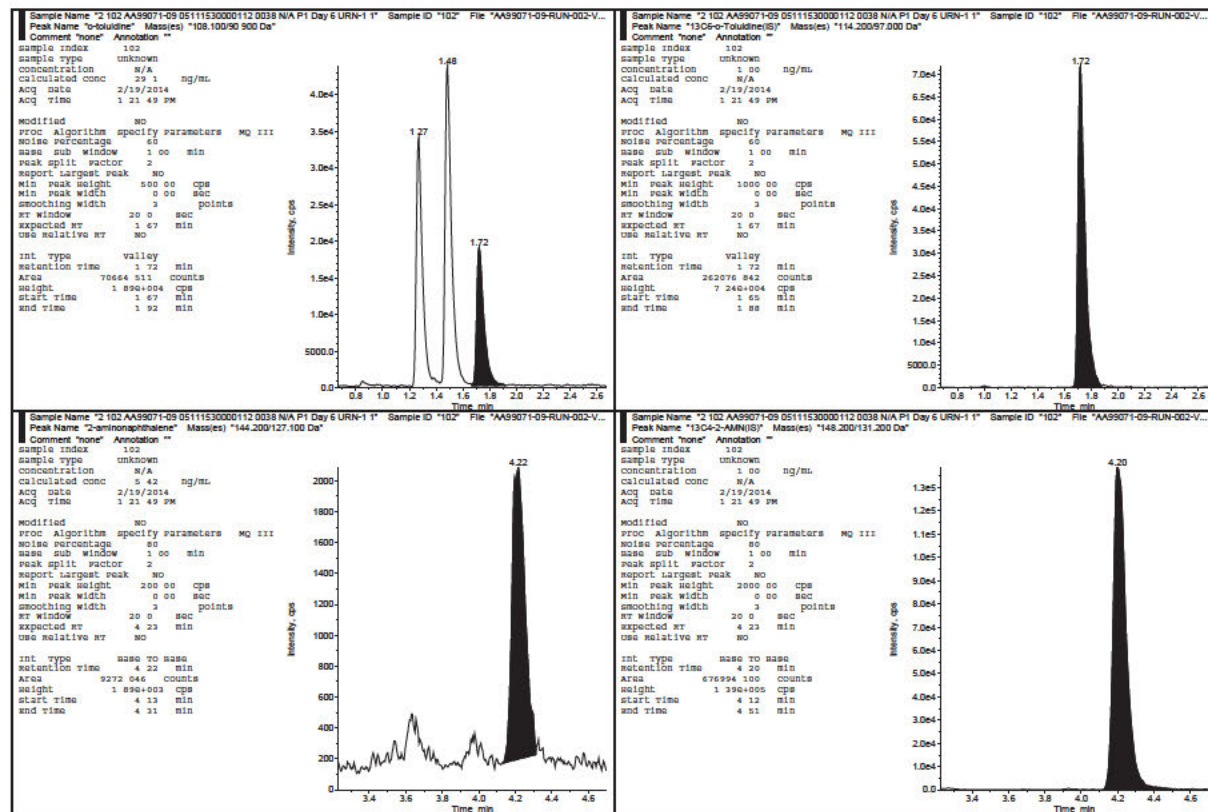


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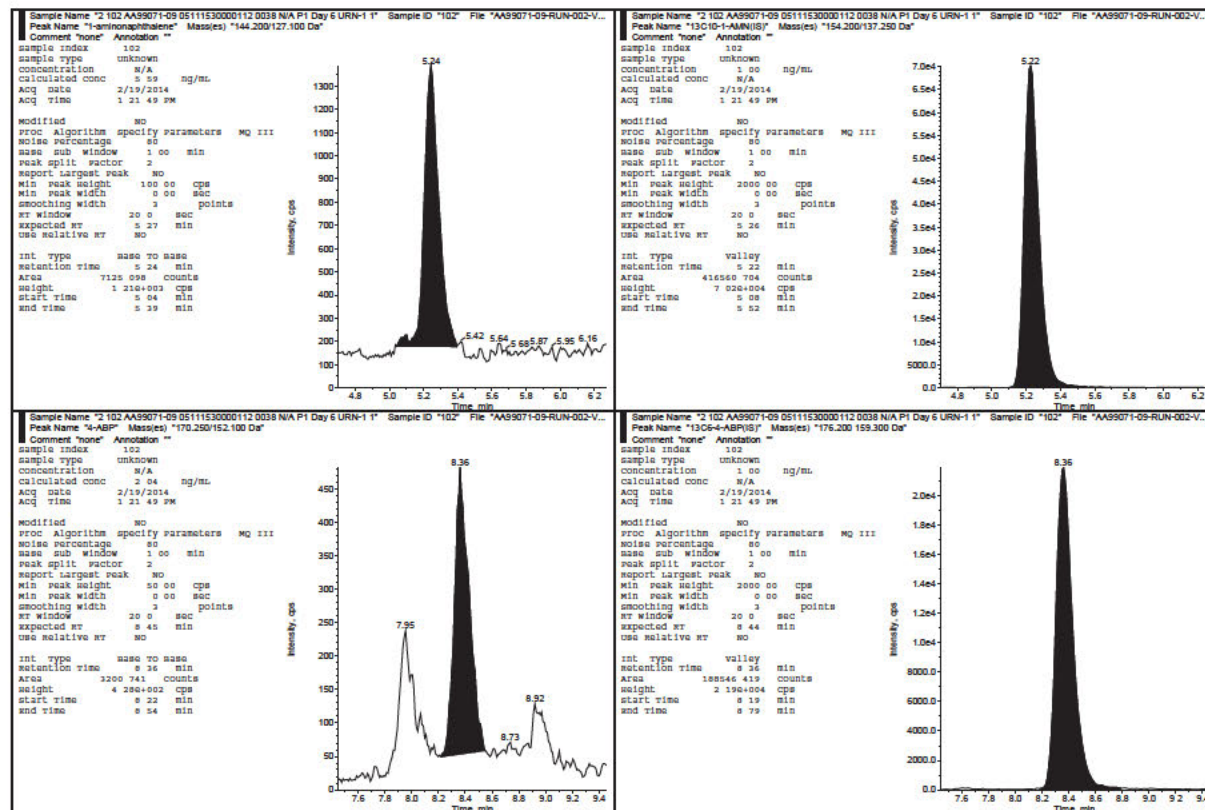


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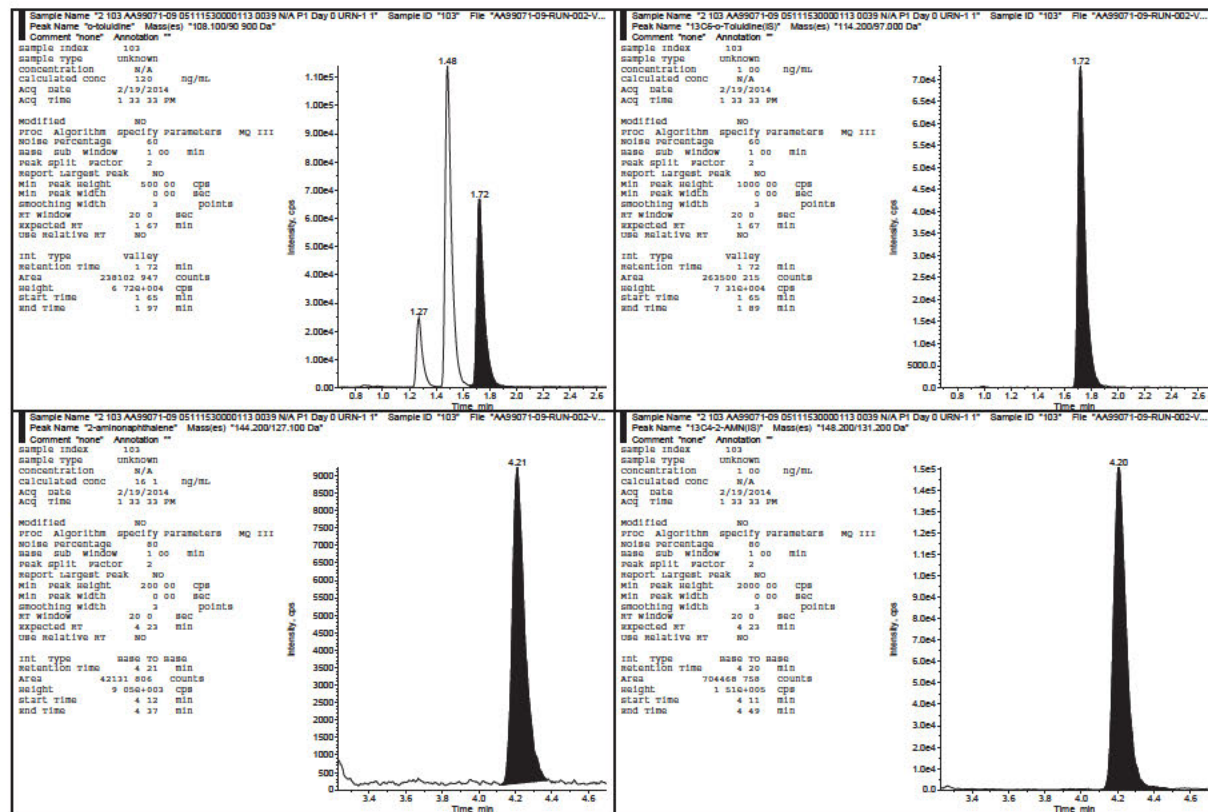
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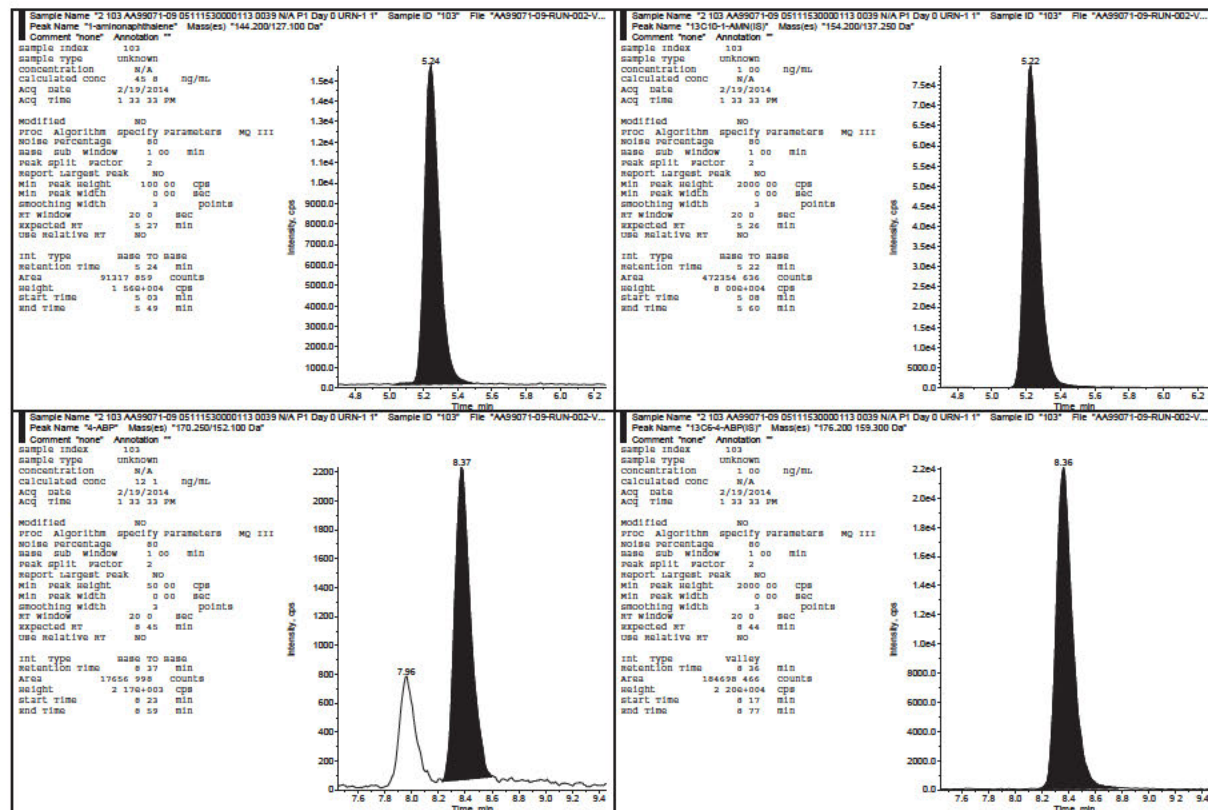
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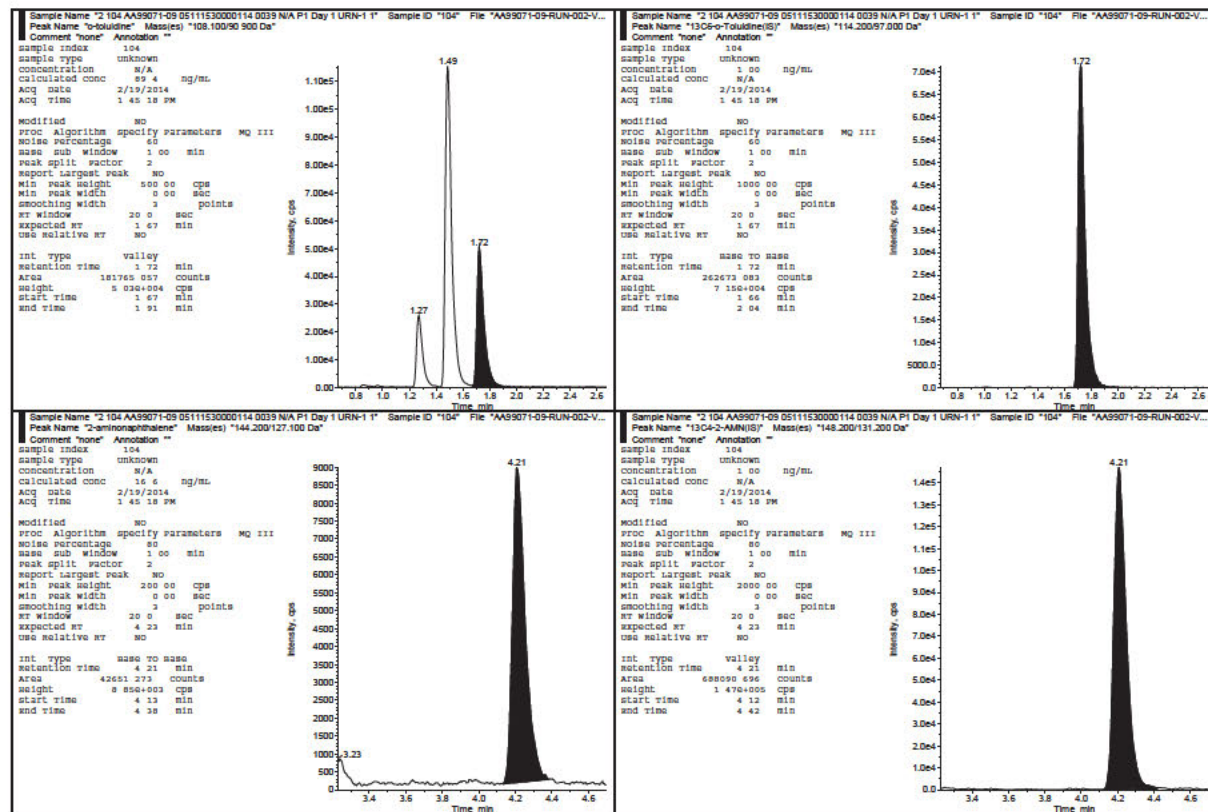


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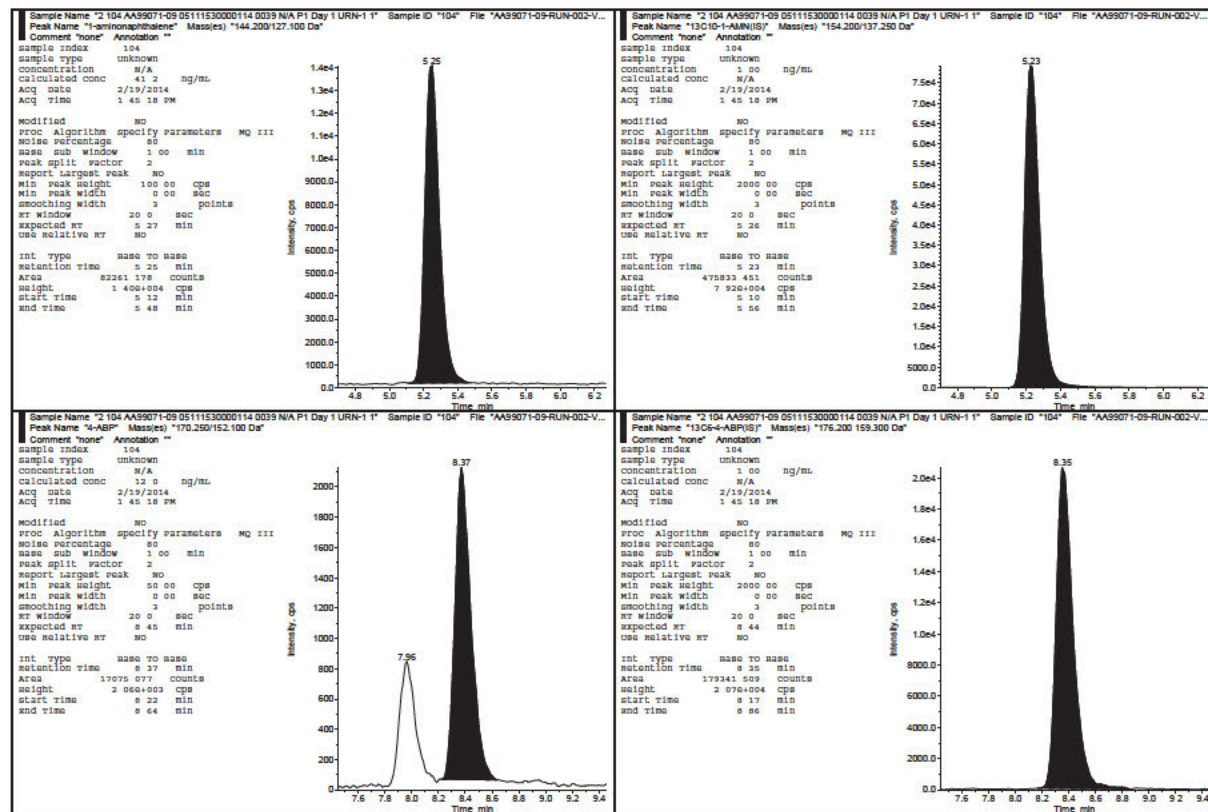


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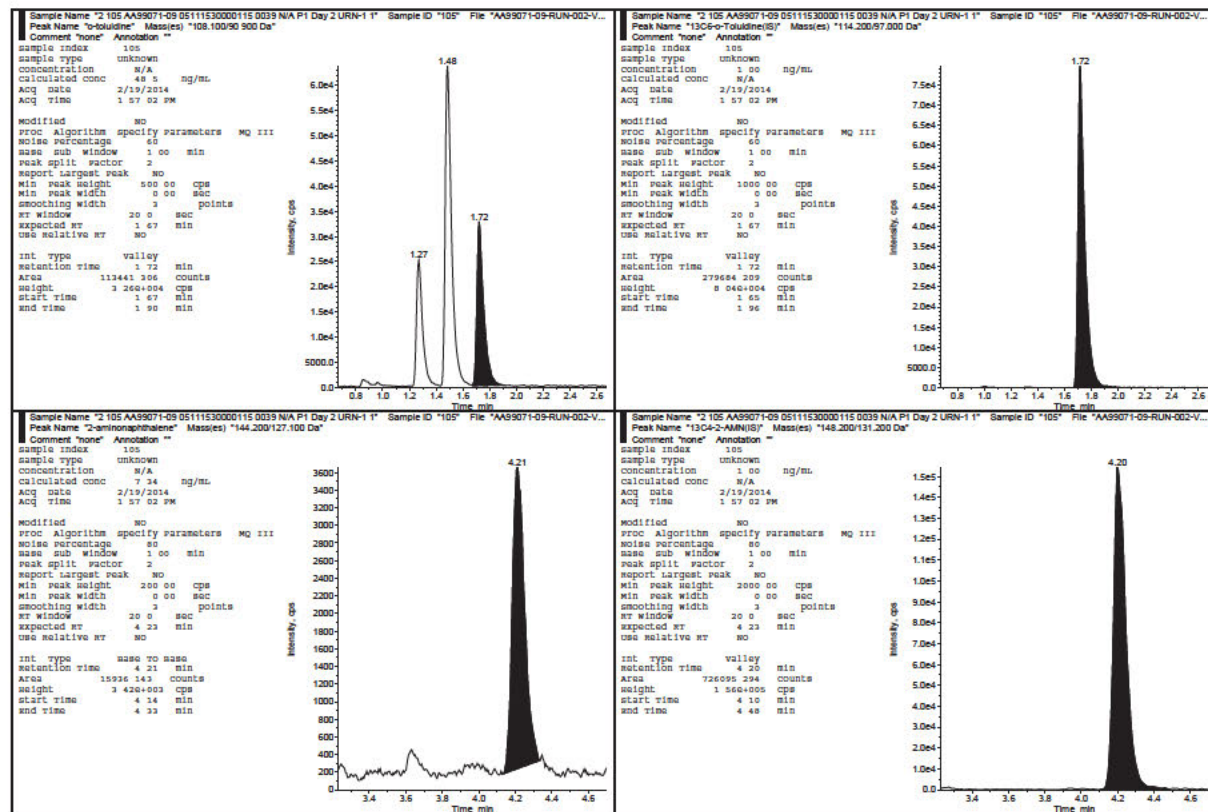


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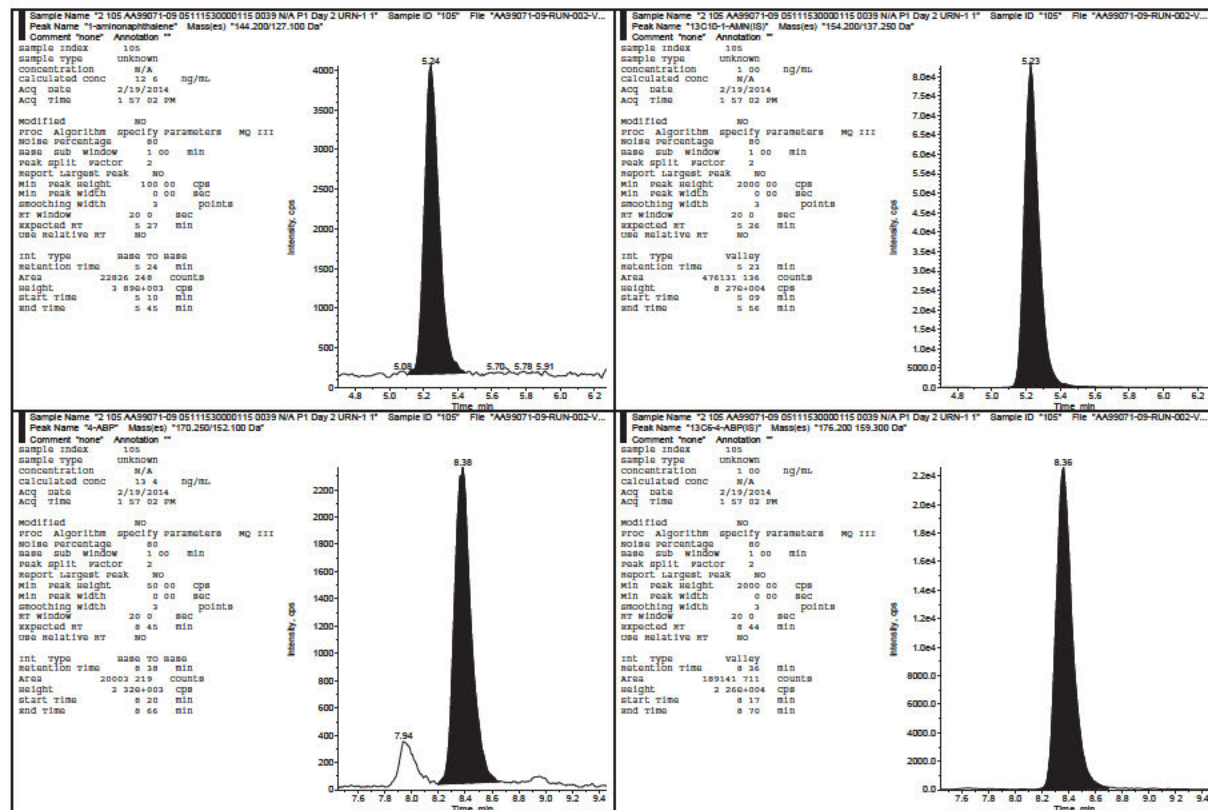
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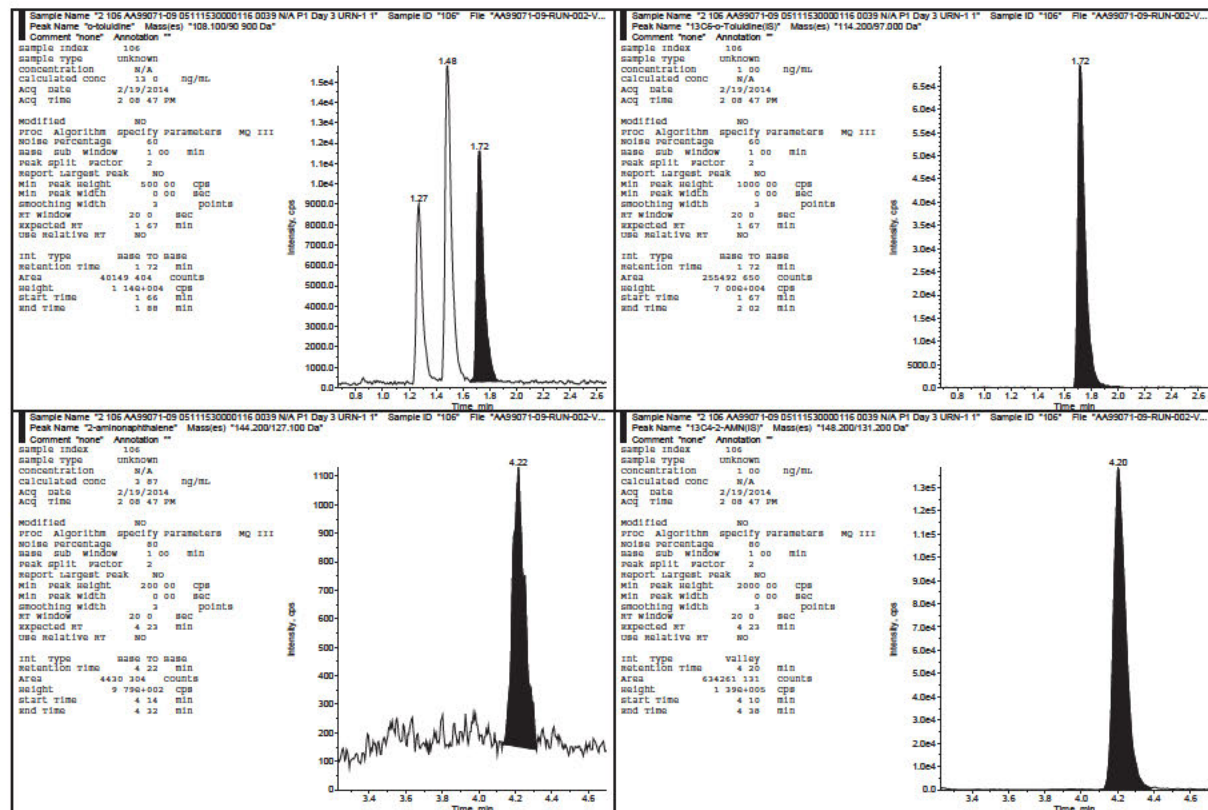
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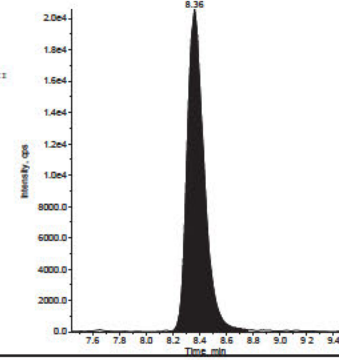
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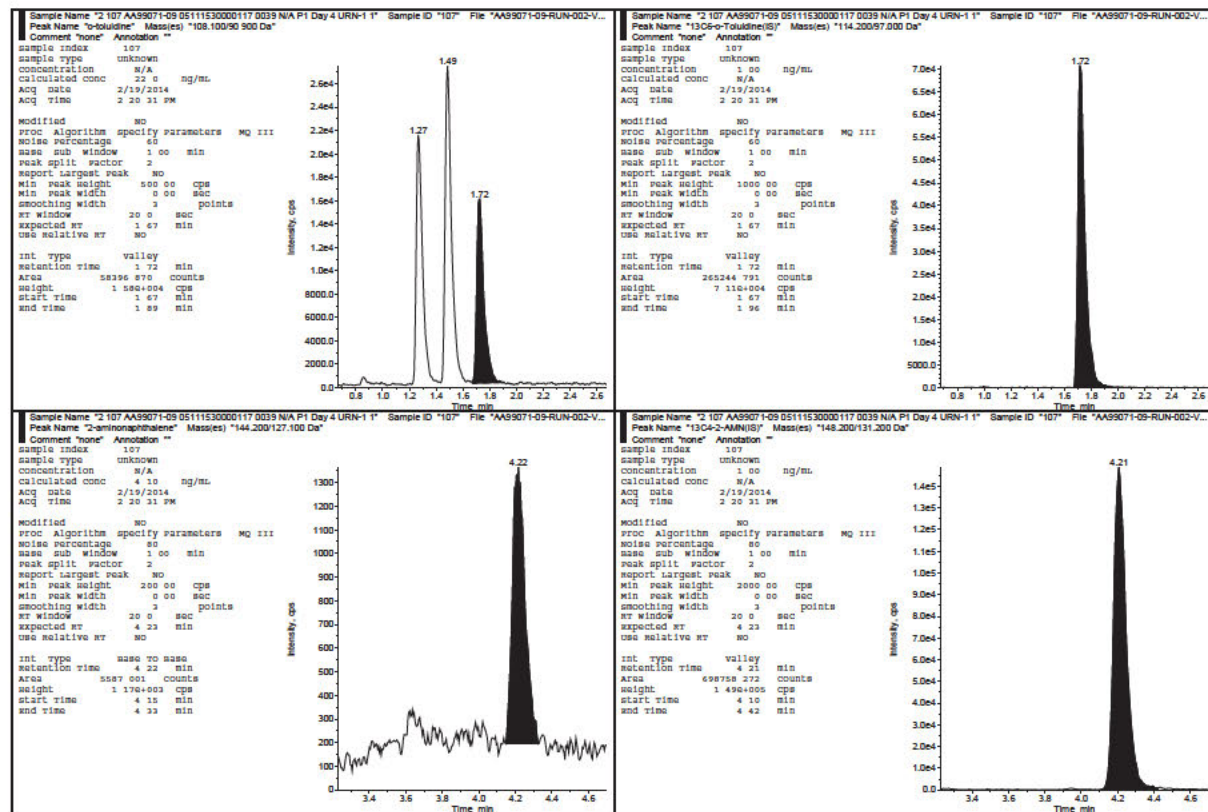
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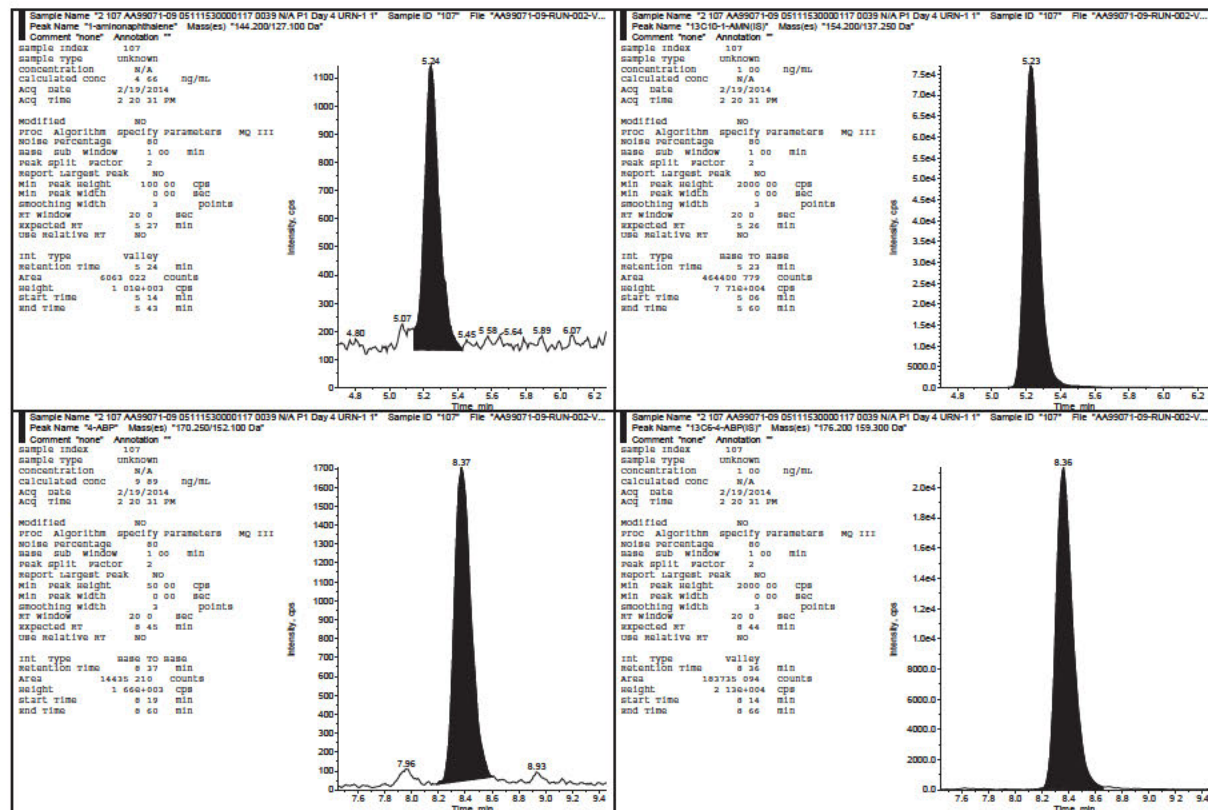


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Celerion Study AA99071-09





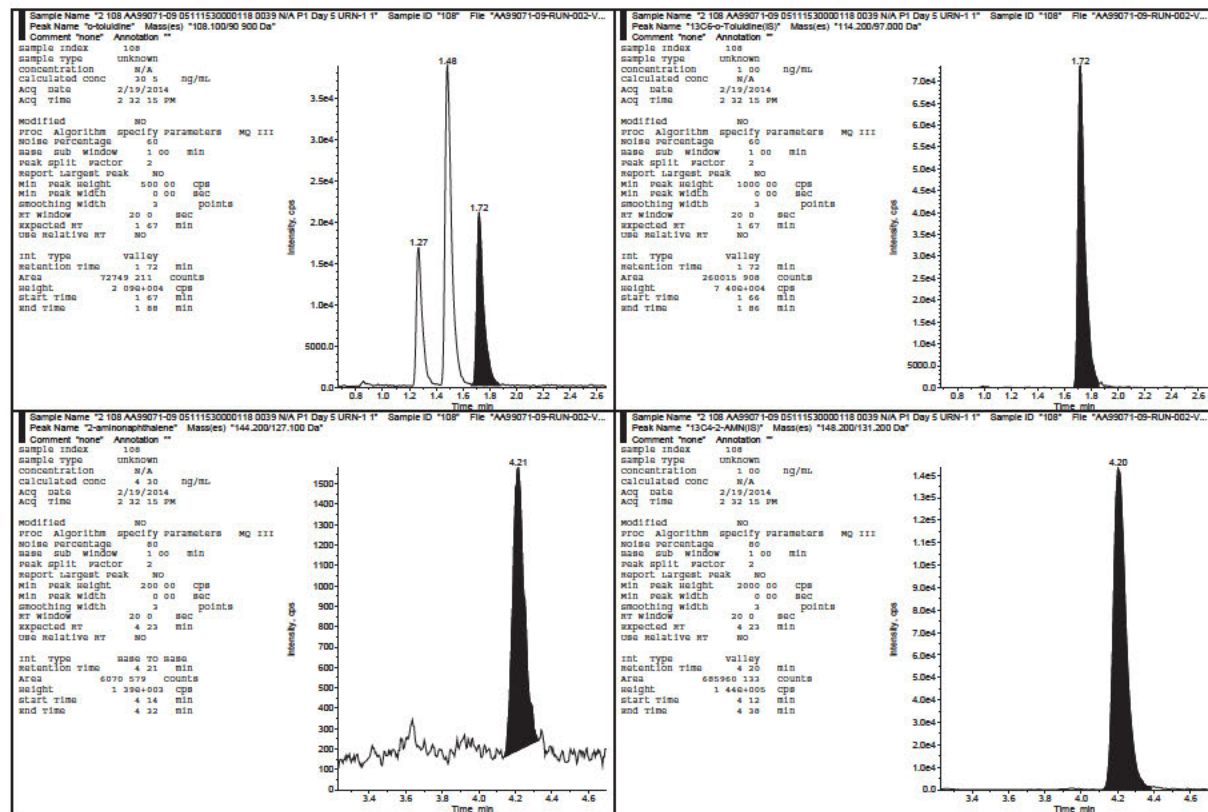
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Celerion Study AA99071-09







4-Aminobiphenyl, o-Toluidine, 2-Aminonaphthalene, and 1-Aminonaphthalene in Human Urine  
Celerion Study AA99071-09

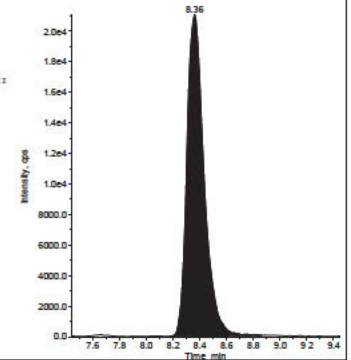






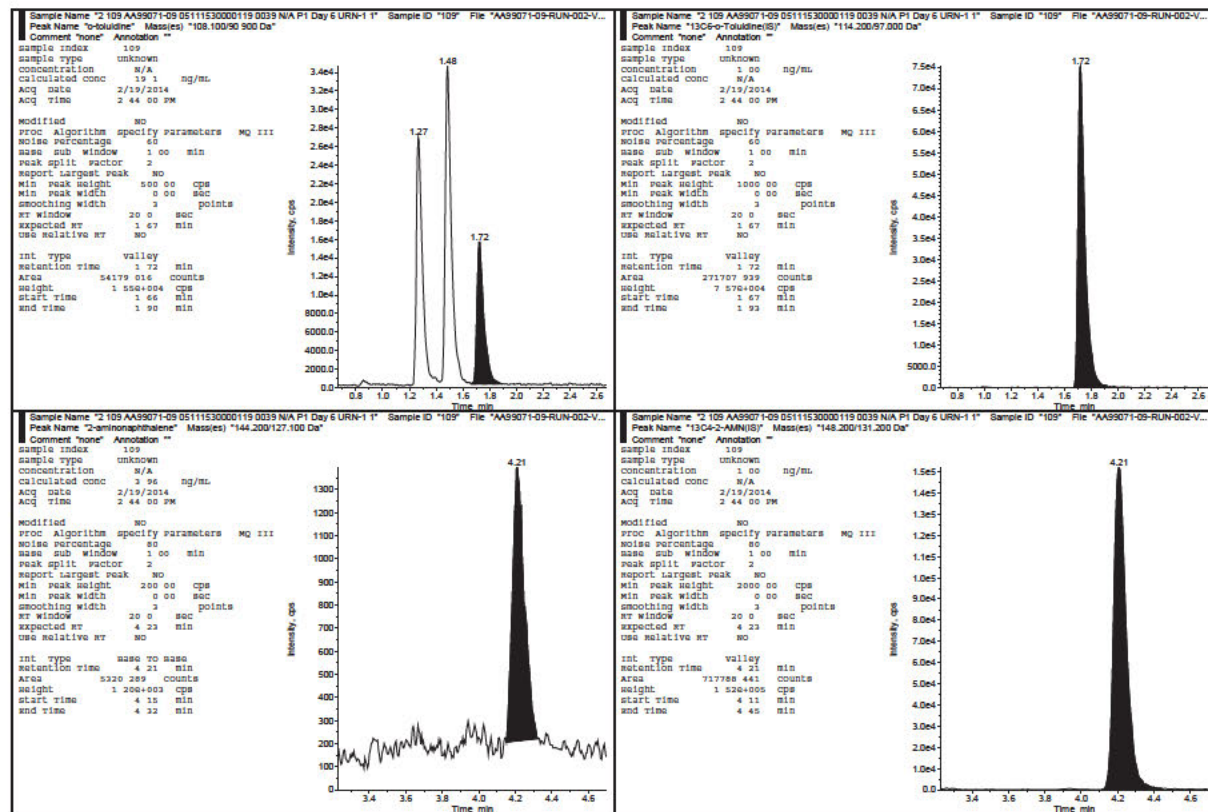
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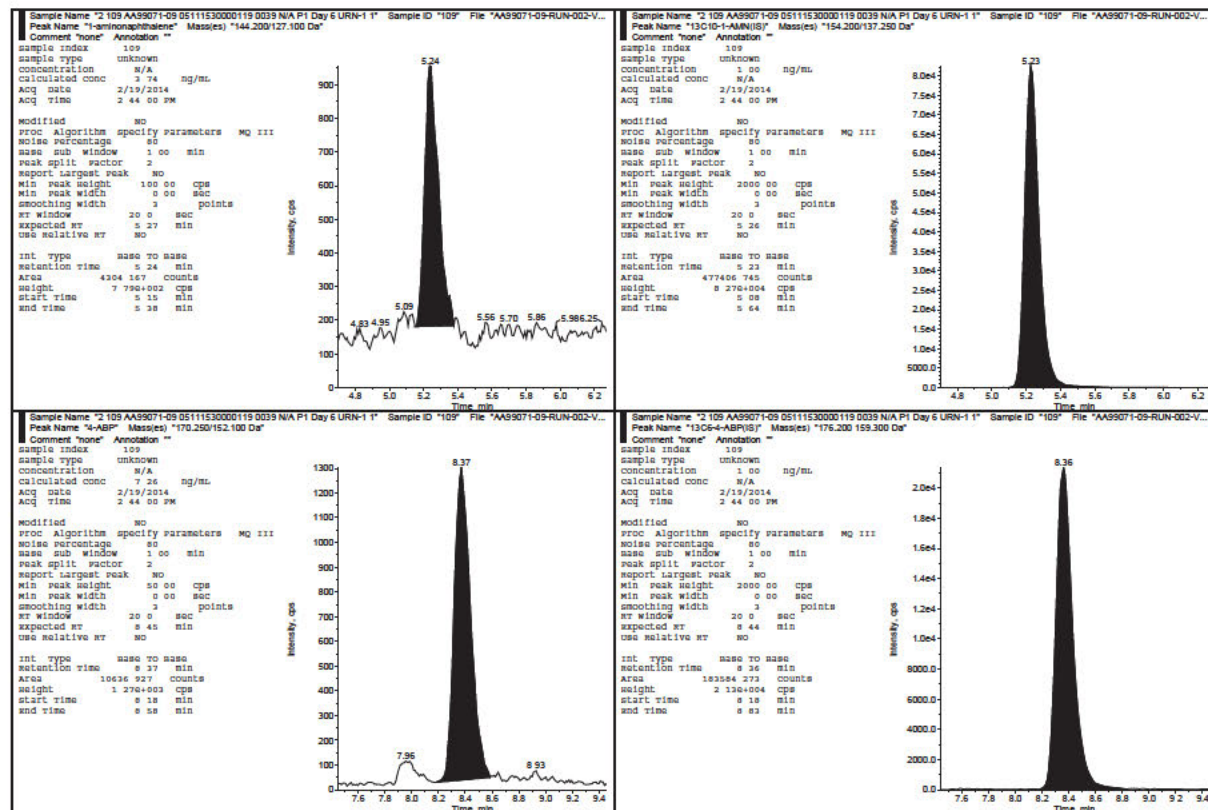


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Celerion Study AA99071-09



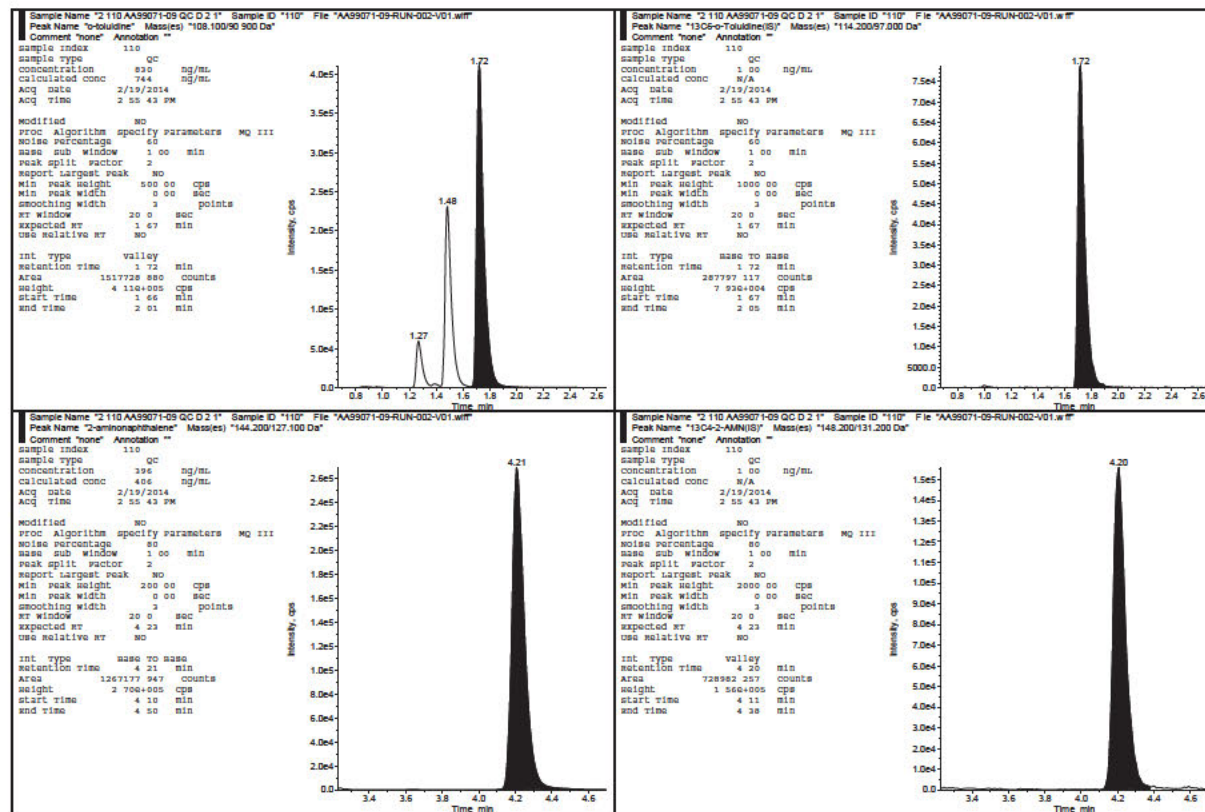


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Celerion Study AA99071-09





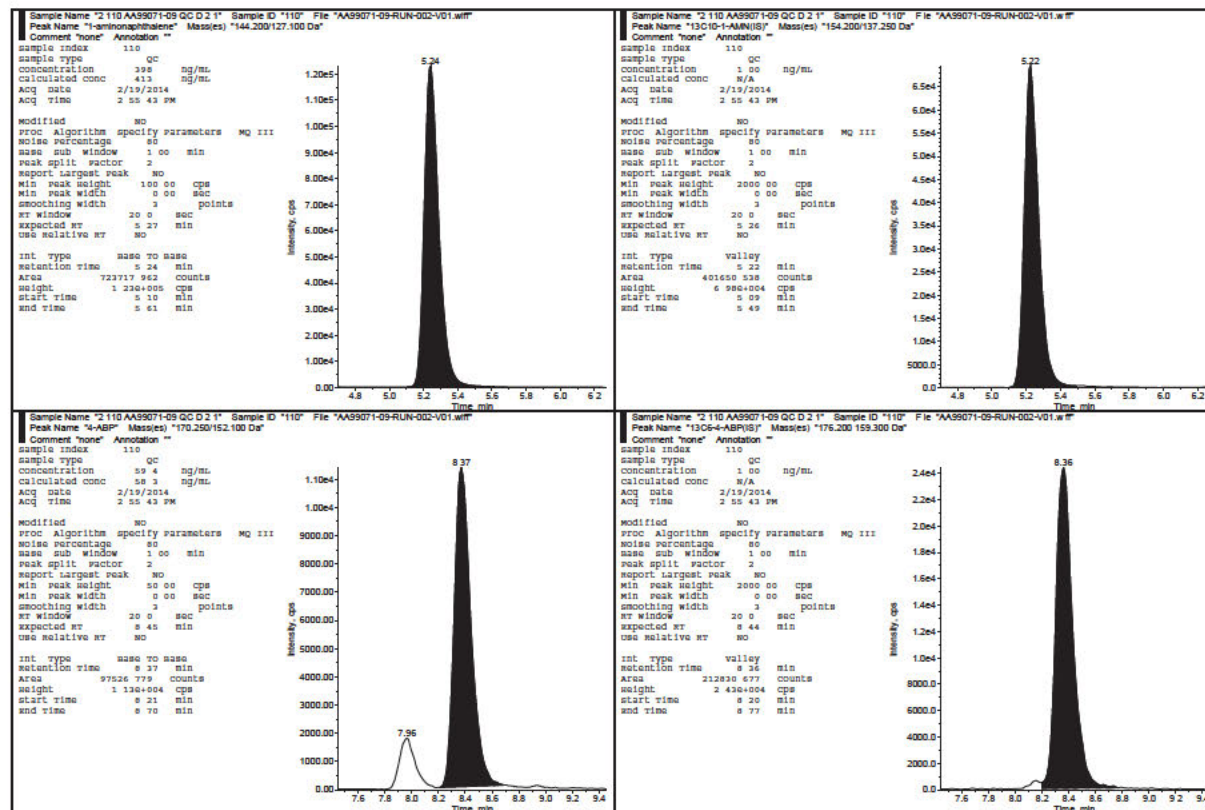
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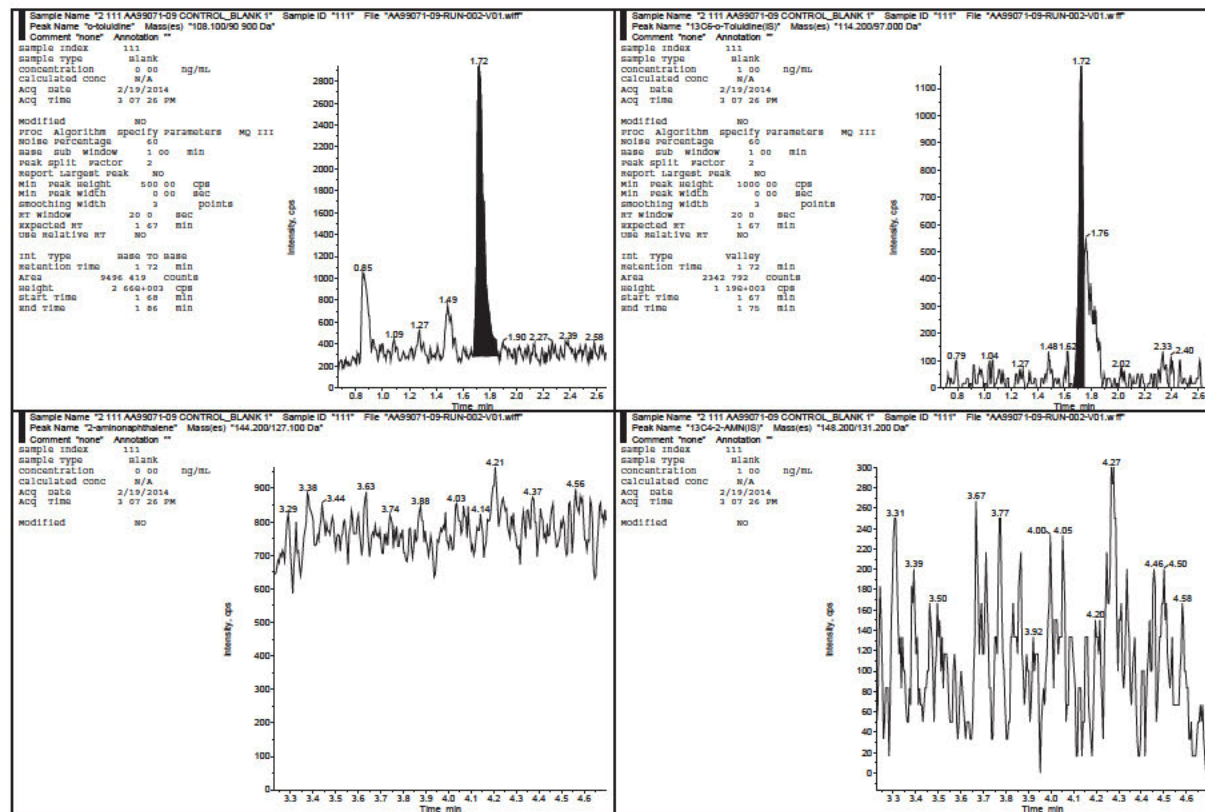
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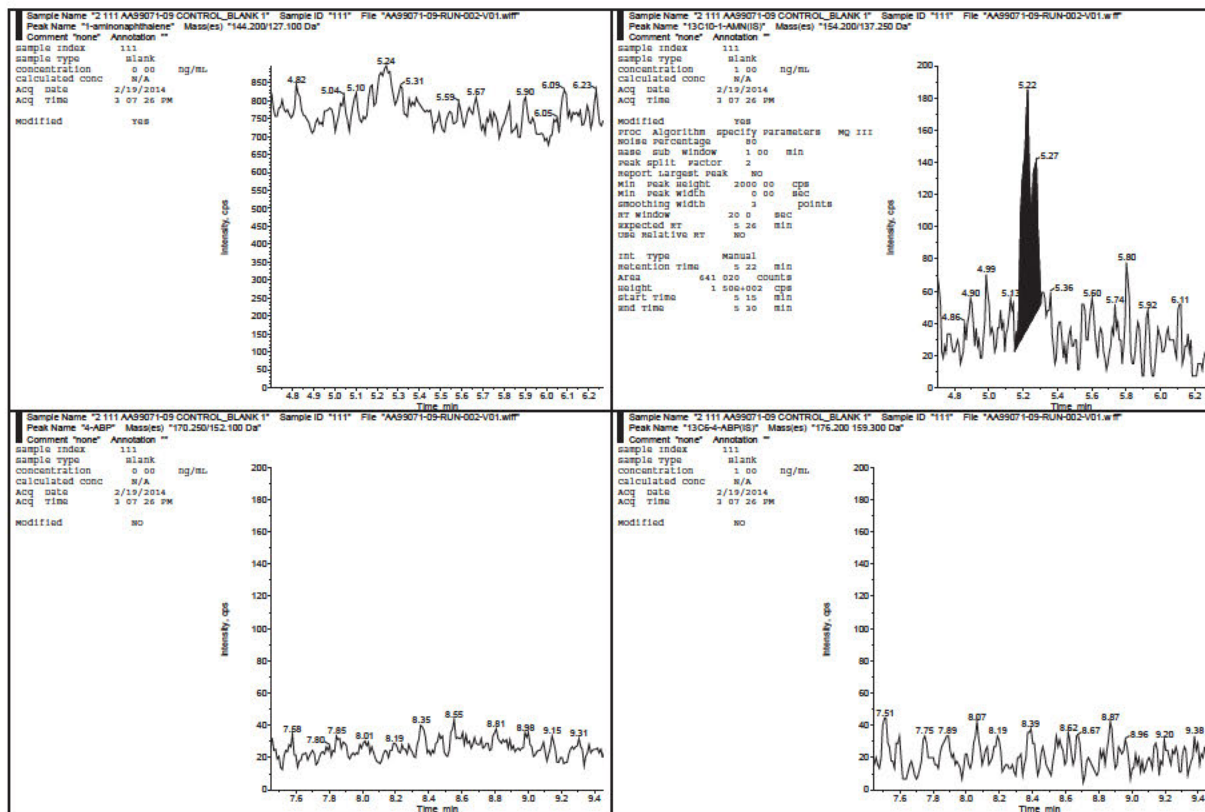


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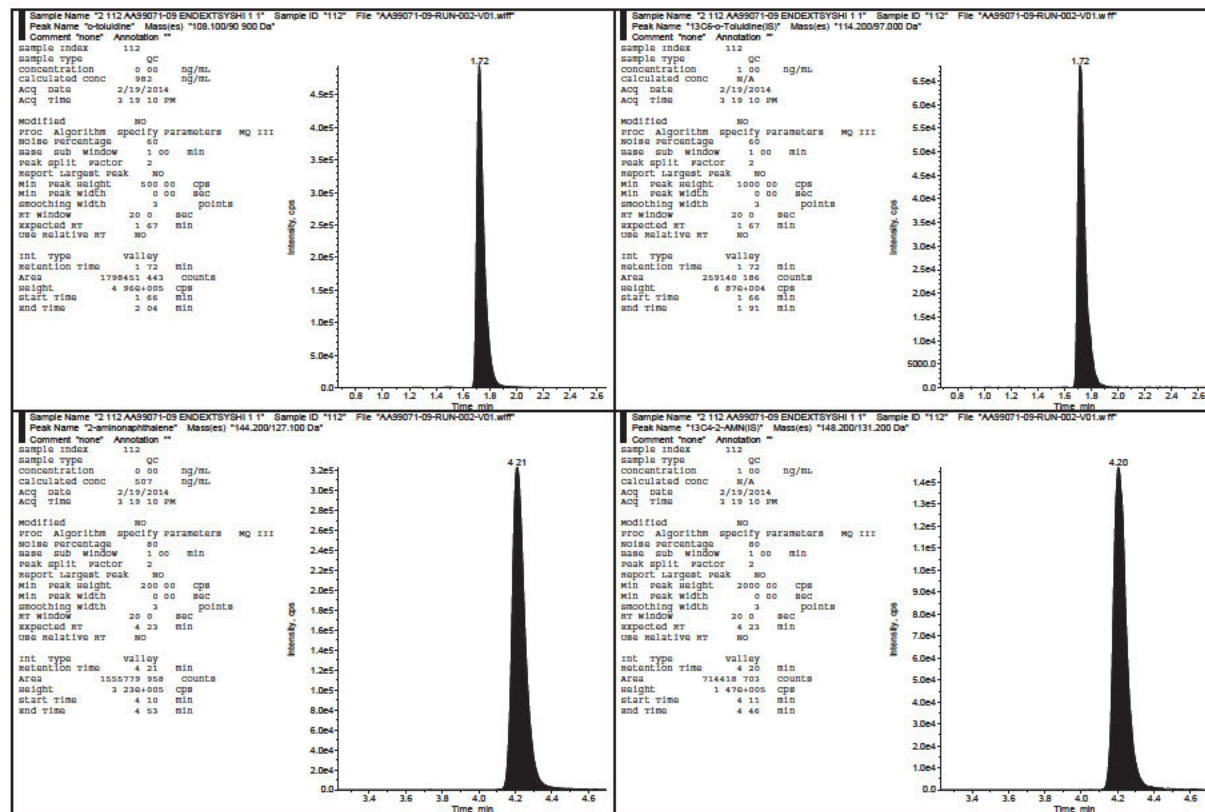


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Celerion Study AA99071-09



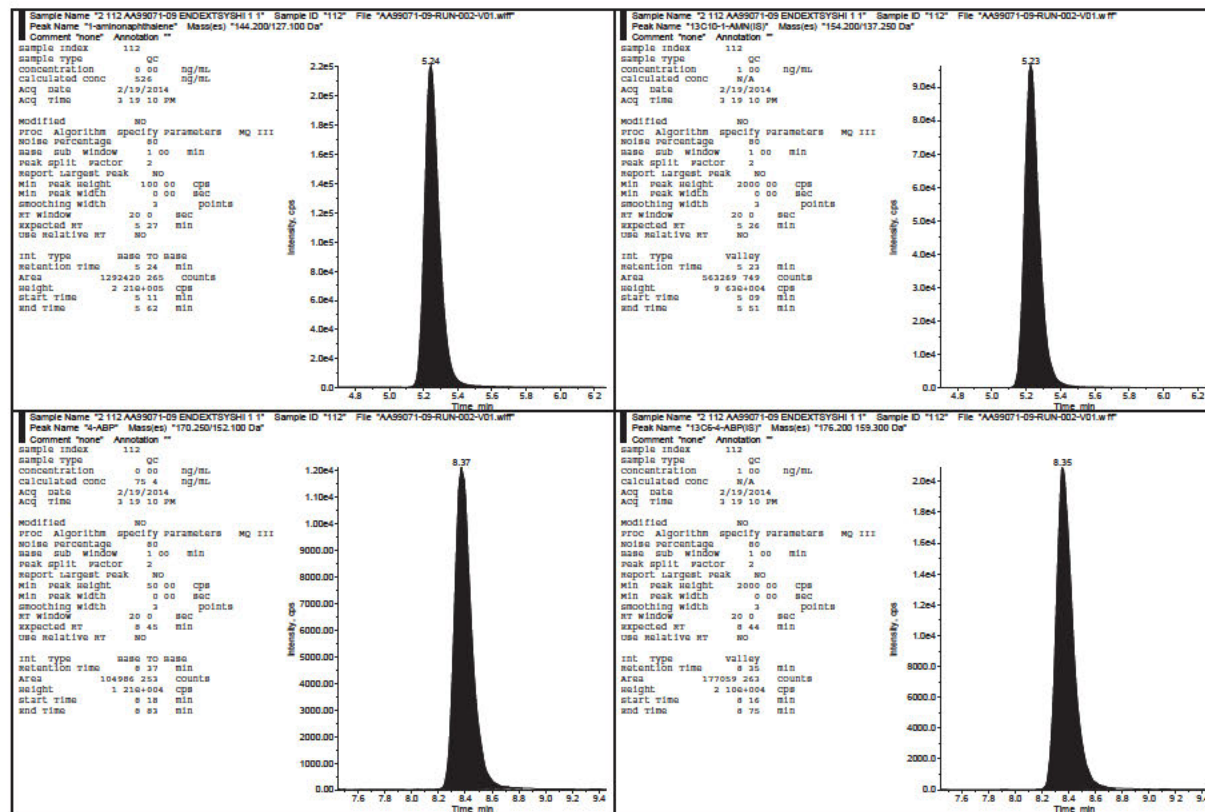


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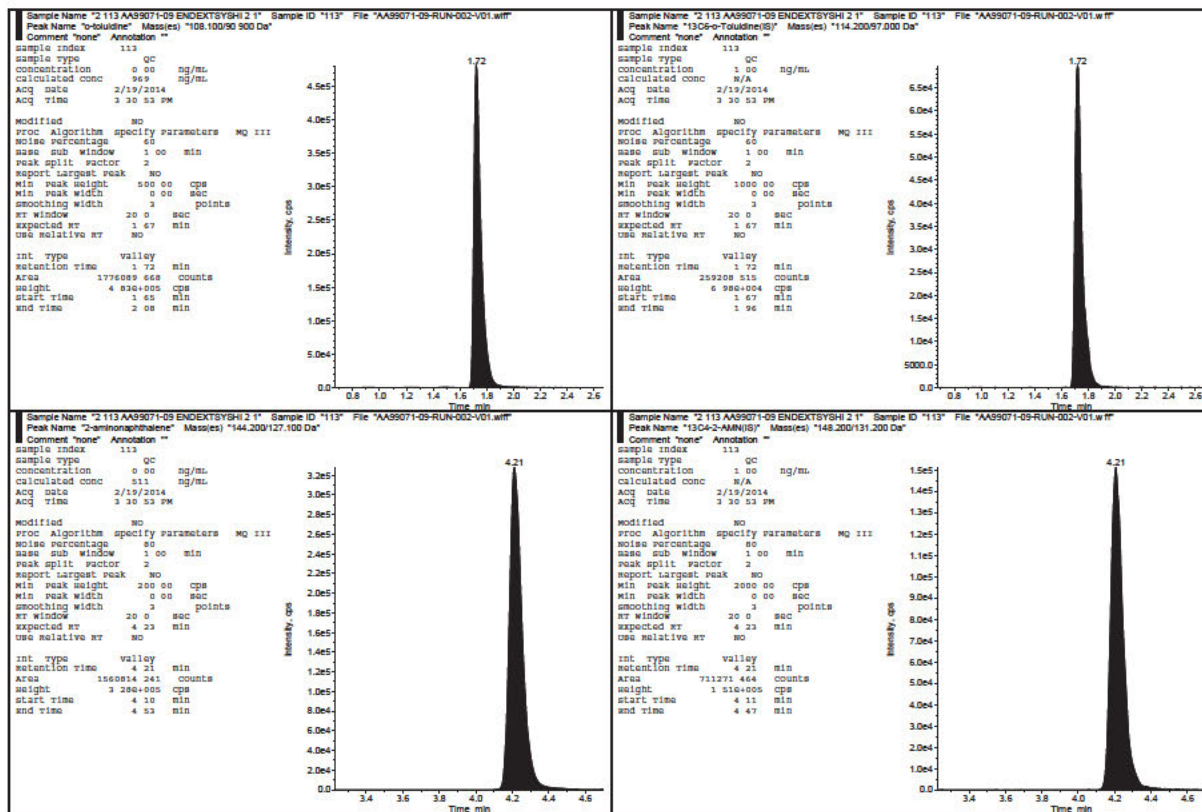
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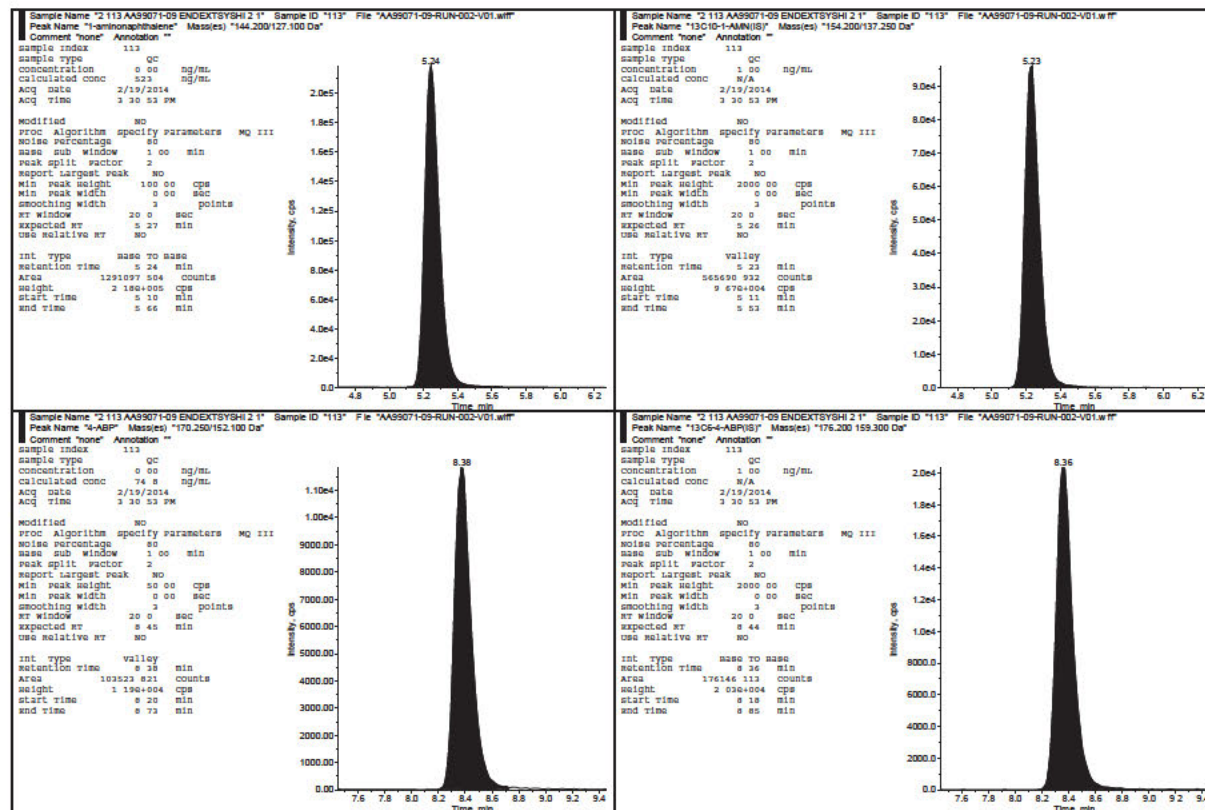
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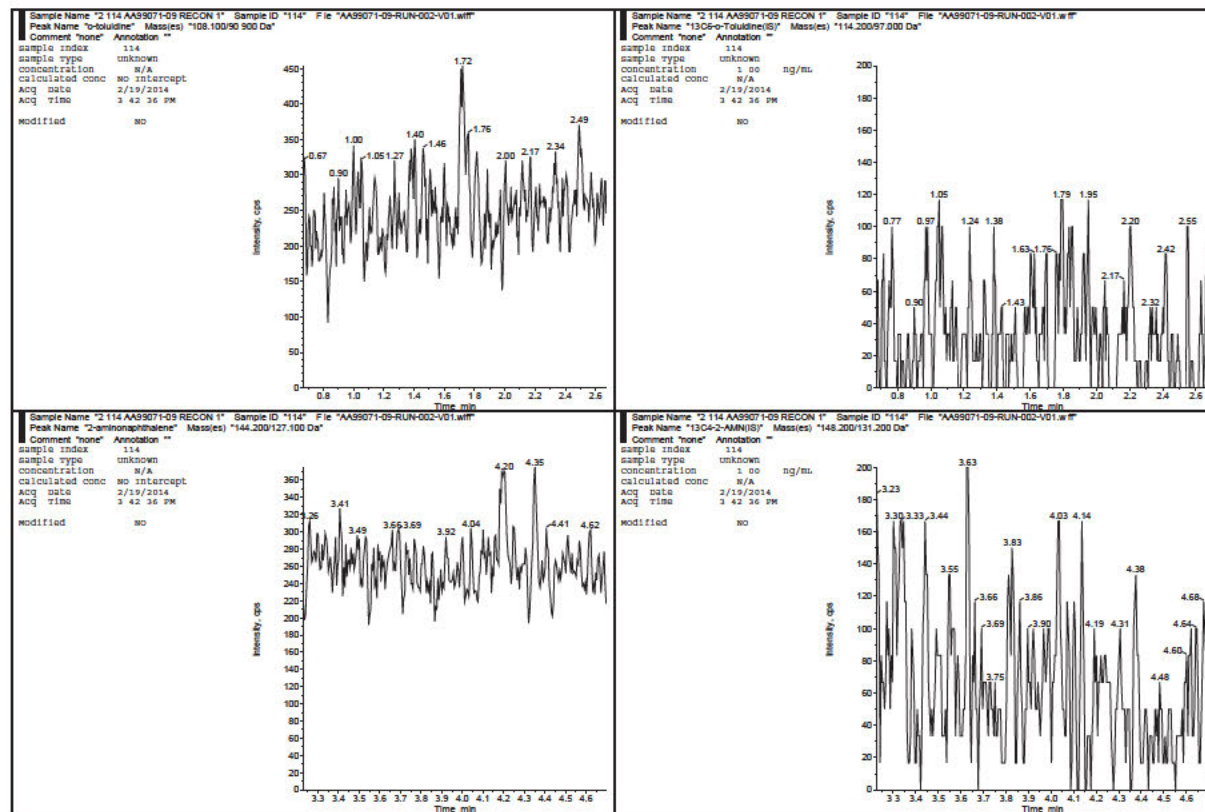


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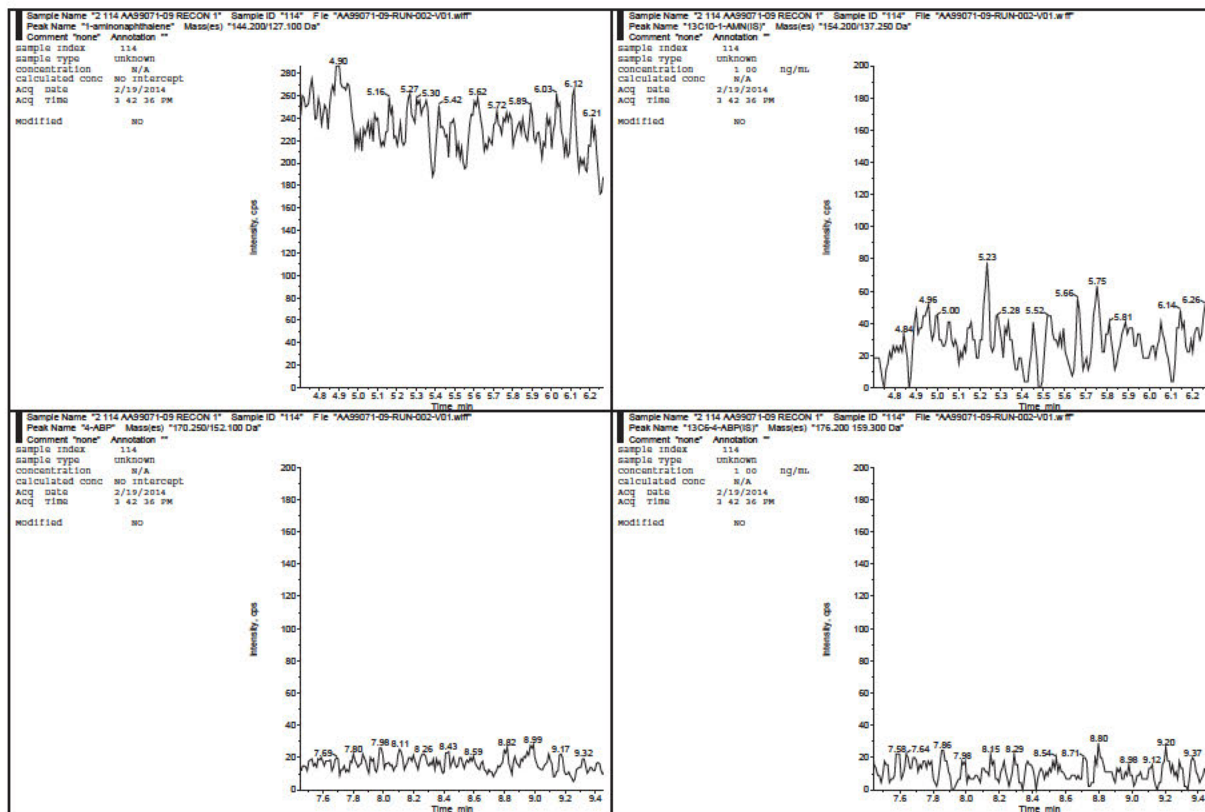


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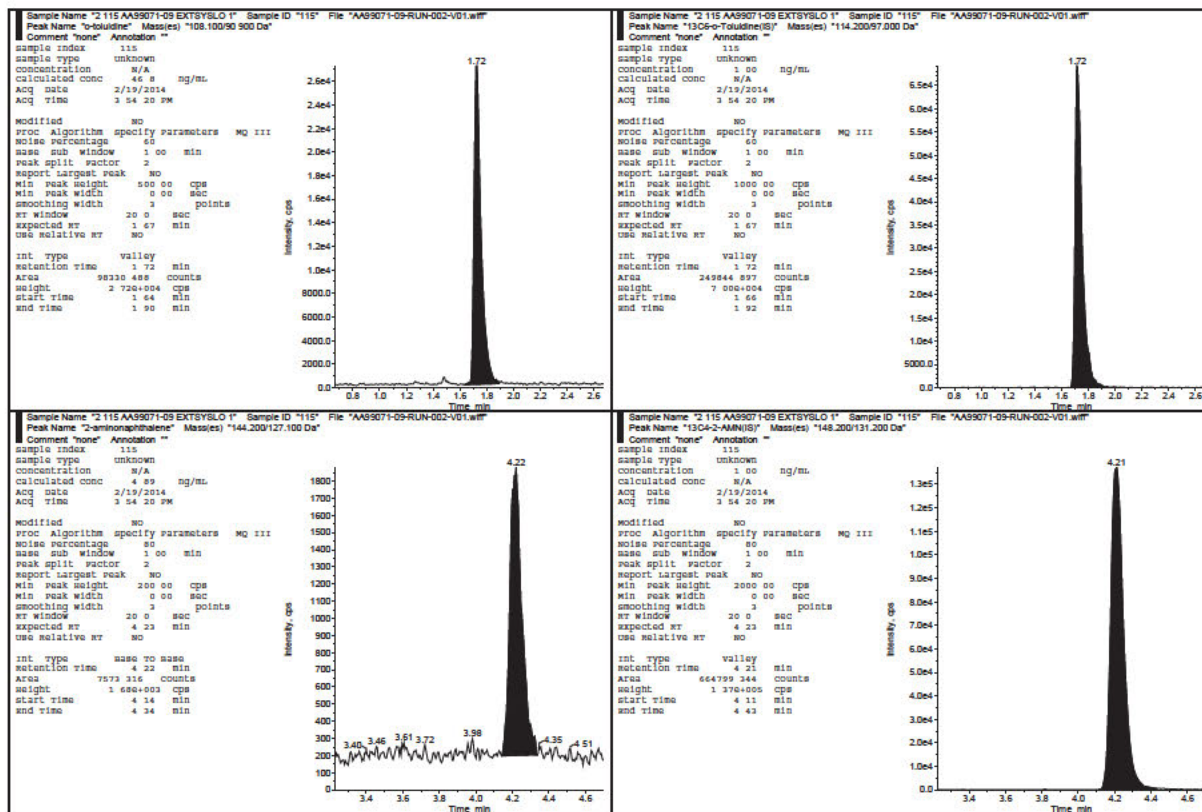


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