

Remedial Alternatives Analysis and Remedial Action Work Plan Report NYSDEC BCP Site #C828209

Location:

Former Wollensack Optical
872 and 886 Hudson Avenue
Rochester, New York 14621

Prepared for:

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LaBella Project No. 2182207

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CERTIFICATIONS

I Daniel P. Noll certify that I am currently a NYS registered professional engineer and that this Remedial Alternatives Analysis and Remedial Action Work Plan Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



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1.0 INTRODUCTION

In accordance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) BCP Guide dated May 2004 and the DER-10 (*Technical Guidance for Site Investigation and Remediation*) dated May 3, 2010, LaBella Associates, D.P.C. (LaBella) has prepared this Remedial Alternatives/Remedial Action Work Plan (RAA/RAWP) for the Former Wollensack Optical site (Site) located at 872 and 876 Hudson Avenue in the City of Rochester, Monroe County, New York (see Site Location Map, Figure 1). The Site is owned by Jefferson Wollensack, LLC, which has entered into an agreement as a Volunteer for the Site with the NYSDEC under the Brownfield Cleanup Program (BCP). The Brownfield Cleanup Agreement (BCA) between Jefferson Wollensack, LLC and NYSDEC was executed in January 2019 as Site #C828209.

The site status has been determined by the NYSDEC to be a positive significant threat to the public and the environment.

2.0 SITE LOCATION, DESCRIPTION AND SETTING

2.1 Site Description

The Site is comprised of two (2) tax parcels with a total area of approximately 0.48± acres. The tax parcels are addressed as 872 Hudson Avenue (SBL 091.81-2-59) and 886 Hudson Avenue (SBL 091.81-2-58). The Site is zoned for C-1 Neighborhood Center. Attached Figure 2 illustrates the location and surrounding area of the Site. The Site is currently developed with a vacant 26,000-square foot (sq ft), 4-story former manufacturing facility that is undergoing rehabilitation into residential apartments. The Site building has a partial basement in the southeastern quadrant. The Site building is located on the 872 Hudson Avenue tax parcel and the footprint of the building comprises approximately 0.14-acres of the 0.48-acre parcel. The remaining, undeveloped portion of the Site is covered by an asphalt parking lot or vegetation. A separate building was previously located on the 886 Hudson Avenue tax parcel but was demolished by the City of Rochester in 2015.

The Site is located in an urban area at the northeast of the intersection of Hudson Avenue and Avenue D and is bounded by Hudson Avenue to the west, Avenue D to the south and partially by Roycroft Drive to the north. Commercial properties are located to the south of the Site beyond Avenue D and to the southwest, beyond the intersection of Avenue D and Hudson Avenue. Residential properties are located to the west of the Site, beyond Hudson Avenue and adjacent to the north and east of the Site.

2.2 Site History

Historical records indicate the Site was utilized for residential purposes and as a tailor and electric motor shop in at least 1911. The current Site building at 872 Hudson Avenue, formerly operated by Wollensack Optical (AKA Wollensack Optical), was constructed in approximately 1930 based on tax information. The building formerly located at 886 Hudson Avenue was operated by J.S. Graham Co., manufacturers of photographic mounts and was constructed in approximately 1912 based on tax information. Various manufacturing companies occupied the Site from 1926 to 2010 including Wollensack Optical, Anson Instrument, Minnesota Mining and Manufacturing, Virginville Lens Company, and Surplus Shed. Since approximately 2010, the building has been stripped of most plumbing, electrical, and mechanical fixtures.



The building on the 886 Hudson Avenue parcel was recently demolished by the City of Rochester. The Phase I ESA indicates optical lens manufacturing, printing and photographic mount (AKA mat) manufacturing was completed at the Site from the early 1900s to at least the mid-1970s. However, note that historical street directory listings indicate the Site was affiliated with various optical manufacturing companies from the mid-1970s until at least 2010, if not utilized for active manufacturing purposes.

NYSDEC Spill #0651965 was opened in 2007 as a result of a flood in the basement of the former building at 872 Hudson Ave after a petroleum sheen was noted on the water flowing out from the former building's basement. Seven (7) fuel storage tanks were identified in a vault accessible from the Site Building's basement and located within the right-of-way beneath Avenue D. Each tank was reportedly 275-gallons in capacity. This vault was accessible via a doorway from the Site building's basement.

Based on the review of Sanborn Fire Insurance Mapping, properties adjacent to the north, east and west of the Site were historically utilized for residential purposes since at least 1911.

Historic records indicate the property to the southwest of the Site (beyond the intersection of Hudson Avenue and Avenue D) appears to have been utilized for residential and commercial purposes in the early 1900s, and as a gasoline filling station from at least 1950 to 1971. The southwestern adjacent property is currently utilized for commercial (retail) purposes.

The property adjacent to the south of the Site was historically utilized for retail purposes from the early 1900s to present day. Although not adjacent, a manufacturing facility has been located approximately 200-ft to the south of the Site since the early 1900s. Historical records included in the Phase I ESA (refer to Section 3.1) indicate this facility was utilized for clothing manufacturing from approximately 1926 to approximately 1940 and for optical manufacturing and related operations from approximately 1940 to present day.

3.0 SUMMARY OF ENVIRONMENTAL INVESTIGATIONS

The following environmental investigations have been completed for the Site and were used in developing this RAA/RAWP:

- *Phase I Environmental Site Assessment (ESA)*, completed by Seeler Engineering, P.C. ("Seeler"), September 2017;
- *Phase II ESA*, completed by LaBella, August 2018;
- *Preliminary Shallow Bedrock Groundwater Study Summary Letter*, completed by LaBella, October 11, 2018;
- *Remedial Investigation Report* by LaBella, September 2019.
- *Construction Completion Report for Tank Removals and Construction Related Activities* by LaBella dated June 2020 (has not been approved by the NYSDEC at this time)

Key findings of the abovementioned reports are summarized as follows.



3.1 Phase I ESA report completed by Seeler dated September 2017

This Phase I ESA identified a Recognized Environmental Condition (REC) associated with seven (7) fuel storage tanks in a vault beneath the sidewalk adjacent to the south of the Site building. Each tank is reportedly 275-gallons in capacity. This vault is accessible via a doorway from the Site building's basement. Based on NYSDEC Spill listing #0651965 for 872 Hudson Avenue and Seeler's Phase I ESA, the tanks reportedly contained fuel oil for heating the building.

LaBella discussed the Spill listing with the NYSDEC on June 8, 2018. The NYSDEC indicated that the Department had previously requested prior property owners to properly remove the tanks and perform a subsurface investigation consisting of the advancement of soil borings in the sidewalk surrounding the tank vault and within the vault itself, if possible.

In addition to the REC, the Phase I ESA described the Site's historical use for industrial purposes including optical lens manufacturing, printing and photographic mount (AKA mat) manufacturing from the early 1900s until at least the mid-1970s. As described in Section 2.2, the Site appears to have at least been affiliated with various optical manufacturing companies from the mid-1970s until at least 2010, if not utilized for active manufacturing purposes.

3.2 Phase II ESA report completed by LaBella dated August 2018

This Phase II ESA was conducted to evaluate the Site subsurface based on the historical industrial operations and the presence of fuel storage tanks in the underground vault located immediately south of the Site. The Phase II ESA generally consisted of the following:

- Interior screening for detectable VOCs using a handheld photo-ionization detector (PID) capable of reading in units of parts per billion (ppb) was completed throughout the basement and 1st floor of the building. Features such as piping, floor and wall cracks, floor drains, sumps, etc., located in the basement and 1st floor of the building were screened for potential infiltration sources of VOCs. This evaluation identified readings above background in the vicinity of a sump located on the 1st floor (4,434 ppb), from a crack in the floor on the western side of the first floor (1,260 ppb) and from cracks in the floor and wall in the southwestern quadrant of the basement (1,228-1,848 ppb).
- In addition to the VOC screening, LaBella utilized a Ludlum 3-97 Survey Meter on all floors throughout the building to assess for radiation levels above background levels based on the potential for radioactive materials to be stored/used in the building based on historical optical processes. Elevated radiation readings were not identified in any other portions of the building with the exception of one (1) area where a measurement (10 ur/hr) slightly above background (i.e., 0 to 2 ur/hr) was identified in the southwestern corner of the 1st floor.
- A total of seventeen (17) soil borings were advanced, including two (2) borings within the building and six (6) borings in the right-of-way (sidewalks) adjacent to the south and west of the Site. Ten (10) soil borings were converted to groundwater monitoring wells, including one (1) interior boring (SB-16).



- Due to the presence of friable asbestos containing materials (ACMs) within the building, interior work was limited and LaBella personnel who completed such work wore half-mask air purifying respirators as well as chemical resistant suits and gloves. Interior borings (SB-16 and SB-17) were advanced using handheld equipment, which limited the terminal depth of these borings. All borings were advanced to equipment refusal or several feet into the water table. Terminal depths of the borings ranged from approximately 5 to 20-ft bgs. Boring SB-16 was advanced within the building basement and boring SB-17 was advanced on the 1st floor of the building, in the vicinity of the sump. The floor of the basement is approximately 10-ft below the exterior ground surface. All other borings were advanced in exterior locations.

The following conclusions were made based on the results of the Phase II ESA:

- The primary contaminant of concern at the Site appears to be trichloroethene (TCE), a chlorinated solvent often historically utilized for metal degreasing. Tetrachloroethene (PCE) was also detected in groundwater at concentrations above NYCRR Part 703 groundwater standards in several wells with the greatest concentration (247 ug/l) detected in MW-SB-07 west of the Site building. Additional chlorinated VOCs (CVOCs), including breakdown products of TCE and PCE, were also identified at elevated concentrations in groundwater. Although the highest concentrations of TCE in groundwater were identified in the sidewalk adjacent to the south (up to 82,900 ug/l in MW-SB-14) and west (up to 28,600 ug/l in MW-SB-07) of the Site, these impacts appeared to be emanating from the Site. Groundwater flow modeling generated from data collected in August 2018 indicates groundwater flow in the immediately vicinity of the building is to the west-northwest. The highest concentrations of TCE in soil (0.605 mg/kg) were identified beneath the building's basement and to the south of the building, indicating the source of TCE impacts may be within the building's footprint.
- In addition to CVOC impacts, apparent petroleum-related VOCs were identified at concentrations slightly above their respective NYCRR Part 703 groundwater standards in well SB-MW-04. This well is located approximately 15-ft to the northeast of the tank vault located beneath the sidewalk along Avenue D. Based on the proximity of SB-MW-04 to the vault and the building's basement, these low-level impacts may be associated with a prior petroleum release from the tanks in the vault; however, groundwater flow modeling indicates this well is hydraulically upgradient of the vault. Additional petroleum impacts were not identified in wells and soil borings surrounding the vault, indicating substantial subsurface impacts are not present associated with this vault.
- Urban fill material including ash and cinders were identified at the Site, primarily in the top 3-ft of the soil column. Samples of this material were analyzed for SVOCs and metals; however, concentrations of targeted compounds were not identified above NYCRR Part 375 SCOs.

3.3 Preliminary Shallow Bedrock Groundwater Study completed by LaBella dated October 2018

This study was completed based on the identification of elevated concentrations of TCE and other chlorinated solvents in overburden soil and groundwater at the Site. The objective of this study was to determine if these impacts have descended into shallow bedrock groundwater and the rock matrix itself.



This preliminary investigation consisted of the advancement of three (3) shallow bedrock groundwater monitoring wells to the east, west and south of the building. Wells to the west and south of the building were advanced in the right-of-ways (sidewalks) in close proximity to the overburden groundwater monitoring wells which had identified the highest concentrations of TCE. Bedrock was encountered between 23.2-ft to 24.0-ft bgs in the three (3) well locations. Wells were designated BW-01 through BW-03 installed as open rock wells into the top 10-ft of competent bedrock, with the exception of well BW-03. Although well BW-03 was cored to 10-ft into bedrock, due to the low competency of the rock much of the core was lost back into the well during drilling, causing the sample interval of BW-03 to be limited to the top 6-ft of bedrock in this area.

During well installation, rock cores were examined, screened with a PID capable of measuring VOC concentrations in ppb and rock quality designations (RQDs) were calculated. Following installation and development, bedrock wells were sampled using low-flow methodology for target compound list (TCL) and NYSDEC Commissioner Policy 51 (CP-51) list VOCs. In addition to the groundwater samples, samples of the bedrock itself were submitted for laboratory analysis of these same parameters. Although New York State comparison criteria do not exist for bedrock, these samples were collected to determine CVOC levels in the rock matrix itself and thus the potential for back diffusion following groundwater remediation. Two (2) rock samples were collected from each corehole at two separate depths in an effort to delineate the extent of contamination within bedrock, if present. Samples were biased towards the top of bedrock and in areas of fractures.

The following conclusions were made based on the results of the Preliminary Shallow Bedrock Groundwater Study:

- Although CVOCs were detected in groundwater within wells BW-01 and BW-02, substantial CVOC concentrations were only identified in well BW-03, located to the west of the Site building. Concentrations of TCE and cis-1,2-dichloroethene were identified at 7,200 ug/l and 1,000 ug/l, respectively in BW-03. Overburden well SBMW-07 advanced in the immediate vicinity of BW-03 previously identified total VOCs at concentrations between approximately 10,500 ug/L and 29,000 ug/L.
- RQD values varied widely between the three (3) wells. RQDs calculated in the top 5-ft of each rock section were 72.5%, 97.5% and 30% in wells BW-01, BW-02 and BW-03, respectively. The poor rock competency identified in well BW-03 could explain the apparent contaminant infiltration into bedrock in this area indicated by the substantial levels of CVOCs in this bedrock well.
- In addition to TCE impacts, one (1) petroleum-related VOC (benzene) was identified at a concentration slightly above its respective NYCRR Part 703 groundwater standard in bedrock well BW-02. Benzene and methyl-tert butyl ether, which was identified at a concentration below the NYCRR Part 703 groundwater standard in well BW-01, are typically associated with gasoline. The source of these compounds in bedrock groundwater at the Site is unknown but could be associated with nearby historical gasoline filling stations.
- CVOCs were not identified above laboratory detection limits in any of the bedrock samples with the exception of 1,2-dichloroethane in BW-01 (24.7-24.9 ft bgs) and methylene chloride in all six (6) bedrock samples. It should be noted methylene chloride is utilized in laboratory analytical procedures and may not be a result of Site contaminants. Methylene chloride was also detected in the blank sample. At this time, it does not appear that any of the targeted CVOCs observed in other sample media have infiltrated into the bedrock matrix.



3.4 Remedial Investigation

The cumulative investigation work performed during the LaBella 2018 Phase II ESA, the LaBella 2018 Preliminary Bedrock Shallow Groundwater Study and the Remedial Investigation identified four (4) areas of concern at the Site. These areas are listed below:

- **AOC 1** – CVOC Impacts
- **AOC 2** – Building Materials Containing Radiation
- **AOC 3** – USTs and Petroleum-Related Impacts
- **AOC 4** – Miscellaneous Discrete Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)

The contaminants of concern at the Site included high levels of PCE and TCE and their associated breakdown products in groundwater and soil; residual radiological materials associated with building materials and prior Site operations; low-level petroleum related compounds in groundwater from multiple sources; metals and pesticide impacts to soil; and, metals, SVOC, PCB, and additional VOC impacts in groundwater.

- **AOC #1:** Widespread CVOC impacts were identified in soil, groundwater, bedrock and bedrock groundwater at Site. The precise source of impacts is unknown; however, impacts are most likely associated with former manufacturing operations that may have released solvents including TCE and PCE to the subsurface. A summary of the AOC #1 impacts are included on Figure 3A. As noted in Section 3.5 below, an IRM was implemented for AOC #1 that has reduced CVOC impacts to the subsurface. In addition, a sub-slab depressurization system (SSDS) is being installed at the site building to mitigate the potential soil vapor intrusion (SVI) for the CVOC impacts. Although this report discusses and selects an alternative for AOC #1, the selected alternative has been implemented, but is included for discussion purposes only.
- **AOC #2:** Apparent thoriated sand suspected to have been used in prior Site operations was identified in two (2) areas at the Site: in a sump on the first floor of the Site building and in a small area on the wooden floor on the third floor of the building. In addition, building materials with radiation were identified at other locations throughout the building. The Fire brick and tiles located in the basement and first floor, respectively, are considered naturally occurring radioactive materials (NORM) due to production of the materials, thus exempt from NYS regulations. A summary of the AOC #2 impacts are included on Figure 3B. As noted in Section 3.5 below, an IRM was implemented for AOC #2 that included the removal and disposal of the third floor wooden floor boards and debris in the first floor sump. In addition, the fire brick was also removed and the sump was filled with concrete as the sump was constructed with apparent NORM material. The floor tile on the first floor will be covered by a layer of cement. As noted in Section 3.5 below, an IRM was implemented for AOC #2 that has mitigated radioactive materials at the site. Although this report discusses and selects an alternative for AOC #2, the selected alternative has been implemented, but is included for discussion purposes only.



- **AOC #3:** Concentrations of petroleum-related compounds were identified in overburden soil and groundwater, as well as bedrock groundwater in AOC #3 throughout the Site. The petroleum impacts appear to be attributed two (2) USTs on-Site and past spills associated with ASTs in the former tank vault under the sidewalk south of the Site that was connected to the Site Building basement. A summary of the AOC #3 impacts are included on Figure 3C. As noted in Section 3.5 below, the ASTs and the two (USTs) have been removed from the site and associated petroleum impacted soil as part of the Draft Interim Site Management Plan (ISMP) that was implemented to facilitate site development. One confirmation soil sample collected from the northern UST removal that exceed the Restricted Residential Use SCOs and the residual impacts will be managed under the existing site cover system. Although this report discusses and selects an alternative for AOC #3, the selected alternative has been implemented, but is included for discussion purposes only.
- **AOC #4:** Miscellaneous discrete impacts to soil and groundwater appear to be associated with urban fill materials, historical manufacturing activities and/or leaking potable water on Site. Impacts appear to extend from the surface into shallow soils and in overburden and bedrock groundwater. Pesticides and metals concentrations in soil and metals, PCBs and SVOC concentrations in groundwater will be evaluated as part of the RAA. It should be noted that PFAS contamination was identified in groundwater above limits in the new January 2020 NYSDEC guidance titled *Guidelines for Sampling and Analysis of PFAS* (PFAS Guidance) which was issued following approval of the Remedial Investigation Report (RIR). Groundwater PFAS samples were analyzed in wells throughout the Site during the Remedial Investigation (RI); however elevated concentrations were only identified in well RIMW-11. Specifically, concentrations of PFOA (11.9 ppt) and PFOS (10.7 ppt) slightly exceed the NYSDEC 10- ppt level indicating further assessment may be warranted and PFBA (153 ppt) exceeds the NYSDEC 100 ppt threshold indicating a potential need for further assessment. As previously stated, these compounds were not detected above NYSDEC PFAS Guidance values in groundwater elsewhere on Site. A summary of the AOC #4 impacts are included on Figure 3D.

PFOS was detected in the composite surface soil SS-COMP-01 at 0-2-inches bgs at a concentration of 2 parts per billion (ppb) exceeding the NYSDEC June 2019 protocols for PFOA and PFOS. The NYSDEC had requested SPLP in the conditional approval letter for the RIR dated November 5, 2019 based on the concentration exceeding their limit of 1 ppb at the time of the report. SPLP PFAS testing was completed on January 17, 2020 which indicated that the total combined concentrations of PFOA (2.2 ng/L) and PFOS (15.1 ng/L) was 17.3 nanograms per liter (ng/L) or ppt which remains below the 70 ppt limit for the combined PFOA and PFOS concentration referenced in the NYSDEC Conditional Approval Letter for the RIR based on the previous PFAS protocol. The concentrations of PFOS and PFOA individually and combined also remain below the new January 2020 NYSDEC PFAS Guidance, which indicates that soil exhibiting SPLP results above 70 ppt for PFOS or PFOA individually or combined should be evaluated during the cleanup phase. Refer to Table 3.4 for a summary of PFAS SPLP results. Refer to Appendix 6 for the laboratory analytical report for PFAS SPLP testing.

3.5 Interim Remedial Measures and Draft Interim Site Management Plan Activities

The RI identified four (4) AOCs as summarized in Section 3.4 and listed below:

- **AOC #1 (aka RAOC #1)** – CVOC Impacts
- **AOC #2 (aka RAOC #2)** – Building Materials Containing Radiation



- **AOC #3 (aka RAOC #3)** – USTs and Petroleum-Related Impacts
- **AOC #4 (aka RAOC #4)** – Miscellaneous Discrete Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)

An Interim Remedial Measure (IRM) Work Plan was developed for AOC #1 (CVOC Impacts) and AOC #2 (Building Materials Containing Radiation), and a Sub-Slab Depressurization (SSDS) Work Plan was developed to mitigate soil vapor intrusion (SVI) from VOC impacts at the Site, and a Draft ISMP was developed to manage the removal of USTs and associated petroleum related impacts at the Site during development. The IRM Work Plan, SSDS Work Plan, and Draft ISMP were developed and implemented to minimize the potential for further spread of contaminants and to facilitate timely Site development activities. Work completed as part of the IRM Work Plan, SSDS Work Plan, and Draft ISMP will be documented in a Construction Completion Report (CCR) and/or Final Engineering Report (FER).

3.5.1 Interim Remedial Measures Work Plan RAOC #1 and RAOC #2

Based on the RI investigation results and the Site development activities, an Interim Remedial Measures Work Plan (IRMWP) dated August 2019 describes the proposed IRMs for RAOC #1 and RAOC #2 and approved on November 5, 2019. [Note: RAOC #1 and RAOC #2 are the same as AOC #1 and AOC #2, respectively.] Additional detail regarding the remedial measures for RAOC #1 was provided in the IRM RAOC#1 Design Document dated January 7, 2020 and approved on February 7, 2020. The Work Plan proposed the following remedial measures:

RAOC #1

In-situ chemical oxidation (ISCO) was implemented as an IRM for overburden CVOC impacts. This IRM consisted of the injection of permanganate (e.g., sodium permanganate) in the overburden within the southwestern portion of the Site Building which is the inferred source of CVOCs in soil and groundwater. One (1) round of injection was completed to date as part of this IRM. Groundwater monitoring is being performed to assess the effectiveness of the IRM and to determine the need for subsequent injections. The need for subsequent injections and/or long-term monitoring will be detailed in the Site Management Plan.

The IRM for RAOC #1 consisted of the installation of approximately seventeen (17) overburden and nine (9) bedrock treatment wells within the southwestern portion of the Site Building on the ground level (i.e., first floor). Overburden treatment wells were spaced approximately 12 to 16-feet apart and extended to the top of bedrock (approximately 20-21.5-ft below the current finished floor). Installation of the treatment system was completed by trenching and connecting piping beneath the floor slab to an exterior access point to allow for additional injections, if required. While this IRM was designed to treat overburden CVOC impacts, it is anticipated the treatment chemical will come into contact with the top of bedrock and may travel through bedrock fractures.



Prior to the installation of the piping beneath the floor, approximately 5,400-pounds (lbs) of the In-Situ Chemical Oxidation (ISCO) treatment chemical, sodium permanganate (“RemOx® L”) was applied into the seventeen (17) overburden treatment wells. Groundwater performance monitoring was conducted from monitoring wells located upgradient, within the groundwater plume, and downgradient from the treatment area. An evaluation of the performance of the sodium permanganate indicated it was effective in reducing overall source area CVOC concentrations in the groundwater. For example, samples collected from within source area monitoring wells indicated TCE concentrations had reduced from a baseline concentrations of 13,000 ug/l in well RIMW-16 to 4,400 ug/l in well RIMW-16R (Note: RIMW-16R was installed as a replacement well since well RIMW-16 was destroyed) and were not detected above the laboratory method limit in wells RIMW-19S and RIMW-19D. Table 17.2 summarized remaining groundwater impacts and graphs included in Appendix 7 summarizes CVOC concentration in groundwater prior to and subsequent to the application of the treatment chemical.

Remedial work completed as part of RAOC #1 will be documented in a construction completion report (CCR).

A sub-slab depressurization system (SSDS) has been installed at the site building to mitigate the potential soil vapor intrusion (SVI) for the RAOC #1 CVOC impacts. The construction of the SSDS is anticipated to be completed in August. The installation and operations of the SSDS will be documented in the FER.

RAOC #2

Radiation was identified during the RI by Austin Master Services (AMS) at discrete building areas. Elevated gamma count rate levels above background were identified in four (4) areas within the building; clay tile at the southwestern portions of the first floor, southwest portion of the third floors wooden floor boards, the fire brick in the basement, and the sump in the northeastern portion of the first floor. The Fire brick located in the basement and clay tiles on the first floor, respectively, are considered naturally occurring radioactive materials (NORM) due to production of the materials, thus exempt from NYS regulations and not included as part of the IRM. A summary of the RAOC #2 impacts are included on Figure 3B. An IRM was implemented for AOC #2 that included the removal and disposal of the third floor wooden floor boards and debris in the first floor sump. In addition, the fire brick was also removed and the sump was filled with concrete as it was determined by AMS to be constructed with NORM. The first floor clay tile will be covered by a layer of cement.

Remedial work completed as part of RAOC #2 will be documented in a CCR and/or FER.

3.5.2 Sub-Slab Depressurization System Work Plan

Based on the RI investigation results and the Site development activities, a Sub-Slab Depressurization Work Plan (dated June 18, 2020) was designed to mitigate potential soil vapor intrusion within the Site building. An addendum to the June 18, 2020 was submitted on January 20, 2020 and approved on February 7, 2020.



Due to subsurface CVOC impacts to soil and groundwater at the Site, the Work Plan proposed to retro-fit an SSDS across the entire Site building footprint during renovation activities. Two (2) separate systems were installed; one (1) in the basement and one (1) on the ground level. Permanent and temporary pressure field extension (PFE) points will be installed to monitor the effectiveness of the SSDS to depressurize the building slab. The SSDS has been installed with the exception of the fans, alarms, and manometers. The remaining components will be installed in August 2020.

Remedial work completed as part of RAOC #2 will be documented in the FER.

3.5.3 Draft Interim Site Management Plan Activities

As part of the Draft ISMP activities, seven (7) ASTs and the two (2) USTs have been removed from the site and associated accessible petroleum impacted soil that was encountered during the removal of the USTs. Confirmation soil samples collected from the southern and northern UST excavations met the Restricted Residential Use SCOs, with the exception of one sample collected from the northern UST excavation. This exceedance will be managed under the existing soil cover for the area.

The removal of the ASTs and the southern UST was documented in a CCR and the removal of the northern UST will be documented in the FER as part of RAOC #3.

3.6 Qualitative Human Health Exposure Assessment

The Qualitative Human Health Exposure Assessment has been completed in accordance with DER-10 Appendix 3B (NYSDOH Qualitative Human Health Exposure Assessment). The Qualitative Exposure Assessment is presented for on-Site exposures and off-Site exposures and is based on data obtained from as well as activities completed during the Remedial Investigation, IRM Implementation and implementation of the Draft ISMP. An exposure assessment was completed as part of the Remedial Investigation this exposure assessment is updated based on activities completed prior to this RAA/RAWP.

3.6.1 On-Site Exposure Assessment

Exposure pathways have been evaluated as five (5) elements. This exposure assessment includes contaminants at the Site that are above the NYCRR Part 375 Restricted Residential Use criteria which is the planned use of the Site. However, some locations have concentrations of contaminants above Unrestricted Use as well and these are also documented throughout the report.

1. Source of Contamination – Sources of contamination vary by AOC and are summarized below.
 - a. AOC #1- CVOC Impacts- Although the exact source is unknown, the source of impacts for this AOC is likely attributable to the historical manufacturing operations within the building at the Site. Wastewater or product containing TCE and other CVOCs may have been released to drains sumps, or through leaking pipes, releasing the contaminants to the subsurface.
 - b. AOC #2- Building Materials Containing Radiation- Although the exact source is unknown, some impacts were consistent with thoriated sands which were potentially used during the historical manufacturing of glass lenses. Thoriated sands may have been release to drains and collected in the sump on the ground floor. Building materials including the floor tile and fire bricks with low-level radiation are a result of naturally occurring radioactive material from production of the products.



- c. AOC #3- USTs and Petroleum-Related Impacts- The source of petroleum related impacts in soil and groundwater on-Site appear to be the result of multiple potential sources. Northeastern petroleum impacts appear to be a result of either spills during filling or leaking associated with a nearby UST. Other impacts at the Site could be the result of spills or leaking associated with USTs on Site and/or prior releases associated with the tanks and tank vault that existed south of the Site building beneath the sidewalk along Avenue D. Additional petroleum impacts were caused by a spill in November, 2019 from the UST located immediately east of the Site building. Residual petroleum product remained in the underground storage tank that leak into the ground and into the basement of the Site building.
 - d. AOC #4- Miscellaneous Impacts- The source of soil impacts for this AOC appears to be from materials leftover from the demolition of buildings that once occupied the Site as well as potential on-Site disposal of materials associated with historical manufacturing activities at the Site. Fill identified elsewhere on-Site may contain elevated levels of similar compounds. Metals impacts in groundwater are likely the result of turbidity in groundwater samples and not representative of actual groundwater conditions. High turbidity in groundwater samples can result in elevated metals due to the digestion process as part of the analytical analysis procedure. The source of SVOCs in one location in groundwater appear to be a result of elevated turbidity in the well. The source of PCBs in groundwater in the southeastern corner of the Site may be related to former manufacturing operations at the Site. The VOCs (other than CVOCs) in groundwater may be a result of a leaking water pipe or other possible source.
- 2. Environmental Media and Transport Mechanisms – Affected media at the Site includes soil, groundwater, and soil vapor. Transport mechanisms include transport via groundwater, soil gas, or erosion of surface soil.
 - a. AOC #1- CVOC Impacts- Media affected by AOC #1 include soil, overburden groundwater, bedrock groundwater and soil vapor. Impacts associated with the AOC can migrate via groundwater and adsorb to soils along the migration path or migrate via infiltration of water further into the subsurface. Wind and stormwater erosion have the potential to transport soil elsewhere on the Site or off-Site; however, CVOC impacts are located in deeper soils and have not been identified in surface soils at concentrations of concern and thus this is not considered a likely transport mechanism. Additionally the top 2-ft of soil for the majority of the Site, with the exception of the northeastern area adjacent to Roycroft Drive, was removed and replaced with crushed stone as documented in Site Development CCR, further reducing potential for erosion of soils. CVOC impacts have the potential to volatilize and migrate by soil gas into indoor air in the Site building or off-Site buildings through cracks or holes in building slabs. Treatment of CVOCs in soil and groundwater was began as part of the IRM implementation which have reduced groundwater impacts; however, impacts remain. The CVOC impacts have migrated off-Site to the south, west and northwest and are summarized further in the off-Site exposure assessment. A SSDS has been designed and installed in the Site building during redevelopment to mitigate potential soil vapors that may enter the Site Building; however, the system is not yet operational and will be fully described in the FER when it is complete.



- b. AOC #2- Building Materials Containing Radiation- Affected media at the Site included building materials as well as sand and debris on wood and concrete surfaces within the Site building. Screening for radioactivity in soils and in the exterior of the building did not identify elevated radioactivity. As a result of the IRM Implementation, floor boards and the first floor sump containing elevated levels of radiation were remediated; therefore eliminating chances for exposure. Additionally, boiler brick containing naturally occurring radioactive material (NORM) was also disposed of off-Site. It should be noted that areas of NORM remain at the Site in clay tiles on the first floor; however, according to the Austin Master Services and the NYSDEC these do not pose a health risk. As such, this exposure pathway no longer exists.
 - c. AOC #3- USTs and Petroleum-Related Impacts- Media affected by AOC #3 includes soil, overburden groundwater and bedrock groundwater. Impacts associated with the AOC can migrate via groundwater and adsorb to soils along the migration path and within the smear zone. Wind and stormwater erosion have the potential to transport soils; however, impacts were not identified in surface soil at concentrations of concern. Additionally the top 2-ft of soil for the majority of the Site, with the exception of the northeastern area adjacent to Roycroft Drive, was removed and replaced with crushed stone as documented in Site Development CCR, further reducing potential for erosion of soils. VOCs impacts have the potential to volatilize and migrate by soil gas into indoor air in the Site building through cracks or holes in the building slab. The southern and northern USTs have both been removed. The removal of the Southern UST was described in the CCR and the removal of the Northern UST will be described in the FER. A SSDS has been designed and installed in the Site building during redevelopment to mitigate potential soil vapors that may enter the Site Building; however, the system is not yet operational and will be fully described in the FER when it is complete.
 - d. AOC #4- Miscellaneous Impacts- The media affected by AOC #4 include soil, groundwater and soil vapor. Wind and stormwater erosion have the potential to transport surface soil elsewhere on the Site or off-Site. However, the top 2-ft of soil for the majority of the Site, with the exception of the northeastern area adjacent to Roycroft Drive, was removed and replaced with crushed stone as documented in Site Development CCR, further reducing potential for erosion of soils. PFAS in surface soil (0-2-inches) in the northeastern portion of the Site also have to the potential to migrate to deeper soils or groundwater via groundwater infiltration into the surface. Groundwater impacts may move with the general flow of groundwater to the northwest. VOCs impacts have the potential to volatilize and migrate by soil gas into indoor air in the Site building through cracks or holes in the building slab.
3. Point of Exposure- Points of exposure are direct contact with impacted subsurface material, surface soils or soil gas
- a. AOC #1- CVOC Impacts- Points of exposure for AOC #1 are contact with affected soil, groundwater, and soil vapor. Groundwater at the Site is not utilized for consumption; however, soil, groundwater and/or soil vapor may be encountered during subsurface work (i.e., excavations, construction, etc.). Soil vapor could also migrate into the Site building. A SSDS has been designed and installed in the Site building during redevelopment to mitigate potential soil vapors that may enter the Site Building; however, the system is not yet operational and will be fully described in the FER when it is complete.



- b. AOC #2- Building Materials Containing Radiation- This exposure route has been eliminated and therefore there is no point of exposure.
 - c. AOC #3- USTs and Petroleum-Related Impacts- Points of exposure for AOC #3 are contact with affected soil, groundwater, and soil vapor. Groundwater at the Site is not utilized for consumption; however, soil, groundwater and/or soil vapor may be encountered during subsurface work (i.e., excavations, construction, etc.). Soil vapor could migrate into the Site building. A SSDS has been designed and installed in the Site building during redevelopment to mitigate potential soil vapors that may enter the Site Building; however, the system is not yet operational and will be fully described in the FER when it is complete.
 - d. AOC #4- Miscellaneous Impacts- Points of exposure for AOC #4 are contact with affected soil, groundwater, and soil vapor. Groundwater at the Site is not utilized for consumption; however, subsurface soil and groundwater may be encountered during subsurface work (i.e., excavations, construction, etc.). Surface soils may be contacted directly. Soil vapor could migrate into the Site building. A SSDS has been designed and installed in the Site building during redevelopment to mitigate potential soil vapors that may enter the Site Building; however, the system is not yet operational and will be fully described in the FER when it is complete.
4. Route of Exposure- Routes of exposure include direct contact, ingestion and/or inhalation of impacted media.
- a. AOC #1- CVOC Impacts- Routes of exposure to impacted soil and groundwater include direct contact and/or ingestion of contaminated subsurface material. If dust is made during subsurface work, contaminated particulate or volatiles could be inhaled. Routes of exposure to soil vapor include direct inhalation via vapor intrusion. A SSDS has been designed for the Site Building and will be installed during redevelopment to mitigate potential soil vapors that may enter the Site Building. The SSDS will be installed and operating prior to building occupancy. A Site Management Plan will be put in place to manage potential exposure to impacted soil and groundwater.
 - b. AOC #2- Building Materials Containing Radiation- This exposure route has been eliminated and therefore there is no route of exposure.
 - c. AOC #3- USTs and Petroleum-Related Impacts- Routes of exposure to impacted soil and groundwater include direct contact and/or ingestion of contaminated subsurface material. If dust is made during subsurface work, contaminated particulate could be inhaled. Routes of exposure to soil vapor include direct inhalation. A SSDS has been designed for the Site Building and will be installed during redevelopment to mitigate potential soil vapors that may enter the Site Building. The SSDS will be installed and operating prior to building occupancy. A Site Management Plan will be put in place to manage potential exposure to impacted soil and groundwater.
 - d. AOC #4- Miscellaneous Impacts- Routes of exposure to impacted soil and groundwater include direct contact and/or ingestion of contaminated subsurface material. If dust is made during subsurface work, contaminated particulate could be inhaled. Routes of exposure to soil vapor include direct inhalation. A Site Management Plan will be put in place to manage potential exposure to impacted soil and groundwater.



5. Receptor Population- Receptor populations include on-Site workers. The Site is currently vacant; however, it is being developed with apartments.
- a. AOC #1- CVOC Impacts- Receptor populations to impacted subsurface soil and groundwater include Site workers who may conduct subsurface work (i.e., building construction, utility installation, etc.). Site workers may also encounter soil vapor impacts; however, the Site building currently is well ventilated with routes for any soil vapor to escape rather than accumulate in indoor air. A SSDS has been designed and installed in the Site Building to mitigate potential soil vapors from entering the Site building. The SSDS will be operating prior to building occupancy and described in the FER. A Site Management Plan will be put in place to manage potential exposure to impacted soil, groundwater and soil vapor.
 - b. AOC #2- Building Materials Containing Radiation- This exposure route has been eliminated and therefore there is no receptor population.
 - c. AOC #3- USTs and Petroleum-Related Impacts- Receptor populations to impacted subsurface soil and groundwater include Site workers who may conduct subsurface work (i.e., building construction, utility installation, etc.). Site workers may also encounter soil vapor impacts; however, the Site building currently is well ventilated with routes for any soil vapor to escape rather than accumulate in indoor air. A SSDS has been designed and installed in the Site Building to mitigate potential soil vapors from entering the Site building. The SSDS will be operating prior to building occupancy and described in the FER. A Site Management Plan will be put in place to manage potential exposure to impacted soil, groundwater and soil vapor.
 - d. AOC #4- Miscellaneous Impacts- Receptor populations to impacted soil and groundwater include Site workers who may conduct subsurface work (i.e., building construction, utility installation, etc.). Site workers may also encounter soil vapor impacts; however, the Site building currently is well ventilated with routes for any soil vapor to escape rather than accumulate in indoor air. A SSDS has been designed and installed in the Site Building to mitigate potential soil vapors from entering the Site building. The SSDS will be operating prior to building occupancy and described in the FER. A Site Management Plan will be put in place to manage potential exposure to impacted soil, groundwater and soil vapor.

Based on the on-Site Exposure Assessment and due to the fact the Site is currently vacant there is currently no significant risk to human health; however exposure pathways do exist. An Interim Site Management Plan is currently in place to manage impacts during any subsurface construction work. Note that redevelopment of the Site includes restoration of an existing Site building to convert to a multi-family residential building. A SSDS has been installed in this building to prevent potential exposure via soil vapor intrusion and will be activated prior to residential occupancy. Earthwork associated with redevelopment has been and will continue to be completed in accordance with the Draft ISMP or future SMP and will be documented in a separate report. Remaining contaminants and potential exposure pathways will be considered in the Remedial Alternatives Analysis in Section 6.0.

3.6.2 Off-Site Exposure Assessment

Exposure pathways have been evaluated as five elements. The BCP applicant is a Volunteer and as such any future off-Site investigation and remediation activities are not the responsibility of the BCP applicant.



1. Contaminant Source- Contaminant sources appear to vary by AOC and are summarized below.

- a. AOC #1- CVOC Impacts- Although the exact source is unknown, the source of impacts for this AOC is likely attributable to the historical manufacturing operations within the building at the Site. Wastewater or product containing TCE and other CVOCs may have been released to drains sumps, or through leaking pipes, releasing the contaminants to the subsurface. CVOCs have been identified off-Site during the Phase II ESA and during the Preliminary Shallow Bedrock Groundwater Study.
- b. AOC #2- Building Materials Containing Radiation- Although the exact source is unknown, some impacts were consistent with thoriated sands which were potentially used during the historical manufacturing of glass lenses. Thoriated sands may have been release to drains and collected in the sump on the ground floor. Building materials including the floor tile and fire bricks with low-level radiation are a result of naturally occurring radioactive material from in the production of the products and therefore are not considered an exposure concern. Areas of elevated radioactivity appear to isolated occurrences associated with the building and do not appear to be moving off-Site.
- c. AOC #3- USTs and Petroleum-Related Impacts- The source of petroleum related impacts in soil and groundwater on-Site may be the result of multiple potential sources. Northeastern petroleum impacts appear to be a result of either spills during filling or leaking associated with a nearby UST. Other impacts at the Site could be the result of spills or leaking associated with USTs on Site and/or prior releases associated with the tanks and tank vault that existed south of the Site building beneath the sidewalk along Avenue D. Benzene impacts may be related to nearby historical gasoline filling stations. Petroleum related compounds were not detected above groundwater quality standards or Unrestricted Use SCOs off-Site; however the potential exists for impacts to move off-Site.
- d. AOC #4- Miscellaneous Impacts- The source of soil impacts for this AOC appears to be from materials leftover from the demolition of buildings that once occupied the Site as well as potential on-Site disposal of materials associated with historical manufacturing activities at the Site. Although soil impacts exceed Unrestricted Use SCOs, they did not exceed Restricted Residential Use SCOs; however fill identified elsewhere on-Site may contain elevated levels of similar compounds. Metals impacts in groundwater are likely the result of turbidity in groundwater samples and not representative of actual groundwater conditions. High turbidity in groundwater samples can result in elevated metals due to the digestion process as part of the analytical analysis procedure. The source of SVOCs in one location in groundwater maybe a result of releases associated with the tank vault or elevated turbidity in the well. The source of PCBs in groundwater in the southeastern corner of the Site may be related to former manufacturing operations at the Site. The VOCs (other than CVOCs) in groundwater may be a result of a leaking water pipe or other possible source.



2. Environmental Media and Transport Mechanisms-

- a. AOC #1- CVOC Impacts- Media affected by AOC #1 include soil, bedrock, soil vapor and groundwater. Impacts associated with the AOC can migrate via groundwater and adsorb to soils along the migration path or migrate with infiltration of water further into the subsurface. Significant concentrations of CVOCs have already migrated off-Site as documented in groundwater samples from SB-MW-7, SB-MW-14, SB-MW-15, and BW-03. Injection of sodium permanganate in the source area as part of the IRM implementation has reduced concentrations however, impacts remain. Wind and stormwater erosion mechanisms are not considered a significant concern based on the location and depth of the CVOCs in the subsurface. CVOCs can volatilize and migrate by soil gas. Although off-Site soil gas testing is not required as part of the BPC for a Volunteer, it is likely that soil gas with CVOCs could be present beneath off-Site structures. Soil gas beneath off-site structures will be addressed by the NYSDEC.
- b. AOC #2- Building Materials Containing Radiation- Media affected included building materials, sand and debris within the building that has been remediated as part of the IRM implementation. Additionally, screening completed on the exterior of the Site building and soils on-Site did not indicate elevated radioactivity. As such, it is unlikely building materials containing radiation were transported off-Site based on their locations inside the building above a concrete slab. As such, this exposure pathway has been eliminated.
- c. AOC #3- USTs and Petroleum-Related Impacts- Media affected by AOC #3 includes soil, soil vapor groundwater. Impacts associated with the AOC can migrate via groundwater and adsorb to soils along the migration path and within zone in which groundwater levels fluctuate. Impacts do not appear to have moved off-Site based on testing completed in the Phase II ESA, Preliminary Shallow Bedrock Groundwater Study, Remedial Investigation, and IRM Implementation documented in a CCR. Wind and stormwater erosion have the potential to transport soils in the northeastern quadrant of the Site; however, due to contaminant depths these mechanisms are not considered a significant concern. The top 2-ft of soil for much of the Site was removed and replaced with 2-ft of crushed stone as described in the Site development CCR reducing erosion concerns traveling off-Site. VOCs impacts have the potential to volatilize and migrate by soil gas; however off-Site soil gas testing is not required as part of the BPC for a Volunteer.
- d. AOC #4- Miscellaneous Impacts- The media affected by AOC #4 include soil and groundwater. Wind and stormwater erosion have the potential to transport soils; however, impacts were not identified in surface soil at concentrations of concern. Although soil impacts exceed Unrestricted Use SCOs, they did not exceed Restricted Residential Use SCOs. Groundwater impacts may move with the general flow of groundwater to the northwest; however no metals or SVOC testing in groundwater was completed off-Site and the concentrations on-Site are not representative of a significant concern. Chloroform was detected at an elevated concentration hydraulically upgradient of the Site during the Phase II ESA; however no VOCs other than CVOCs were detected at elevated concentrations off-Site.



3. Point of Exposure-

- a. AOC #1- CVOC Impacts- Exposure via direct contact with soil or groundwater would be unlikely outside of construction activities that include subsurface work and potentially groundwater that enters basement sumps in off-Site buildings. SVI is potentially a point of exposure off-Site based on groundwater impacts documented to extend off-Site.
- b. AOC #2- Building Materials Containing Radiation- Materials associated with radiation do not appear to be moving off-Site. As such, there is no off-Site point of exposure.
- c. AOC #3- USTs and Petroleum-Related Impacts- If contaminants were to migrate off-Site, exposure via direct contact with soil or groundwater would be unlikely outside of construction activities that include subsurface work. SVI could potentially be a point of exposure off-Site.
- d. AOC #4- Miscellaneous Impacts- Points of exposure for AOC #4 are contact with affected soil and groundwater. Contact with soil and groundwater would be unlikely outside of construction activities that include subsurface work. SVI could potentially be a point of exposure. Off-Site evaluation of soil vapor is not required for a Volunteer in the BCP.

4. Route of Exposure- Off-Site route of exposure is direct contact with soil direct contact or ingestion of groundwater that moves off-Site, or inhalation of soil vapor.

- a. AOC #1- CVOC Impacts- Routes of exposure to impacted soil and groundwater include direct contact and/or ingestion of contaminated subsurface material. If dust is generated during subsurface work, contaminated particulate could be inhaled. Routes of exposure to soil vapor include direct inhalation. In addition, construction work in the right-of-way could also encountered soil and groundwater and be a concern for direct contact and/or inhalation.
- b. AOC #2- Building Materials Containing Radiation- Impacts from this AOC do not appear to be migrating off-Site; as such, there does not appear to be an off-Site exposure potential to impacted media associated with this AOC.
- c. AOC #3- USTs and Petroleum-Related Impacts- If impacted media did move off-Site the route of exposure would be direct contact, ingestion, and/or inhalation during subsurface construction activities. If dust is generated during subsurface work, contaminated particulate could be inhaled. Routes of exposure to soil vapor include direct inhalation.
- d. AOC #4- Miscellaneous Impacts- If the impacts from this AOC migrate off-Site the route of exposure would be direct contact, ingestion, and/or inhalation during subsurface construction activities. Routes of exposure to soil vapor include direct inhalation.

Note that drinking water in the City of Rochester is supplied by a reservoir located approximately 25 miles south of the Site which is supplemented by water from Lake Ontario supplied by the Monroe County Water Authority. Groundwater in the City of Rochester is not used as drinking water.



5. Receptor Population- The receptor population off-Site associated with any on-Site sources include workers who could come into contact with subsurface soil or groundwater and individuals that may be affected by groundwater or soil vapor
- AOC #1- CVOC Impacts- Potential receptors include construction workers if subsurface work near the Site was to occur. Homeowners or tenants of nearby homes or buildings could potentially be receptors due to SVI or groundwater contact from basement sumps.
 - AOC #2- Building Materials Containing Radiation- Impacts from this AOC do not appear to be migrating off-Site; as such, there are no off-Site receptor populations.
 - AOC #3- USTs and Petroleum-Related Impacts- If impacts from this AOC were to migrate with groundwater potential receptors include construction workers if subsurface work near the Site was to occur. Homeowners or tenants of nearby homes could potentially be receptors due to SVI. There do not appear to be concentrations of significance migrating off-Site from this AOC.
 - AOC #4- Miscellaneous Impacts- If impacts from this AOC were to migrate with groundwater potential receptors include construction workers if subsurface work near the Site was to occur. Homeowners or tenants of nearby homes could potentially be receptors due to SVI. There do not appear to be concentrations of significance migrating off-Site from this AOC

Based on data generated during the Remedial Investigation and previous studies, CVOC-contaminated soil and groundwater is located off-Site at concentrations of concern. Although a completed exposure pathway was not documented, it is possible that a completed exposure pathway could exist. Soil gas beneath off-site structures will be addressed by the NYSDEC.

4.0 CONCEPTUAL SITE MODEL AND NATURE AND EXTENT OF CONTAMINATION

4.1 Conceptual Site Model

This section details the Conceptual Site Model as developed from information obtained during Remedial Investigation and pre-BCP testing. AOCs from the Remedial Investigation are shown on Figures 3A through 3D and include the following:

- RAOC #1- CVOC Impacts
- RAOC #2- Building Materials Containing Radiation
- RAOC #3- USTs and Petroleum Impacts
- RAOC #4- Miscellaneous Discrete Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)

Note: As indicated above, IRMs have been implemented for AOC #1 and AOC #2 and the USTs and petroleum impacts associated with AOC #3 have been remediated.



RAOC #1 – CVOC Impacts

Although a specific source has not been identified, CVOC impacts appear to be associated with historical manufacturing operations within the building at the Site. Prior to chemical treatment in April 2020, the highest concentrations of CVOCs in soil and groundwater on-Site were located beneath the building at the Site. TCE was detected in soil from RIBW-A at concentrations up to 98 mg/kg and in groundwater from RIMW-18 at up to 46,000 ug/l. The highest CVOC concentrations detected during the investigations in groundwater are located directly south of the Site building (SB-MW-04). As previously discussed, the Site was utilized for optical lens manufacturing, printing and photographic mount manufacturing from the 1900s to at least the mid-1970s. Historical manufacturing processes during this timeframe often utilized solvents such as TCE or PCE for equipment degreasing and the impacts in the southwestern portion of the Site are likely a result of release to the subsurface via compromised drains/piping based on the location and depths identified as part of the investigations.

In general, CVOC impacts have been identified in the saturated zone soils and groundwater. CVOC concentrations in vadose zone soil have been generally below NYSDEC SCOs with the exception of RIBW-A (6.5-ft bgs). Prior to chemical treatment, the highest concentrations of soil and groundwater impacts at the Site were located beneath the Site building and specifically in the southwest portion of the building with the worst-case impacts identified in the immediate vicinity of a pipe trench and ceramic floor tiled area on the first floor within the southwestern portion of the Site building. A section of the pipe trench did not have a solid bottom and thus this structure could have provided a conduit for chemicals directly to the subsurface; however, field observations did not encounter impacted soil in this area as part of the RI (i.e., no staining, odors or elevated PID readings). The trench extends into an area of ceramic floor tiling which was also in the immediate vicinity of worst-case impacts. Areas with ceramic floor tiling often utilized wet operations and this area may have utilized solvents during manufacturing operations.

Based on the data obtained through the various pre-BCP investigations and the RI, a source of CVOCs is present in the soil and groundwater beneath the building at the Site and this source has migrated vertically and laterally. Vertically the source has migrated from the soil and into the overburden groundwater, bedrock matrix and bedrock groundwater. Laterally, CVOCs have migrated off-Site to the south and to the west/northwest of the source area

As summarized in Section 3.5, an IRM for RAOC #1 was implemented that included the injection of permanganate (e.g., sodium permanganate) in the overburden within the southwestern portion of the Site Building which is the inferred source of CVOCs in soil and groundwater. One (1) round of injections was completed to date as part of this IRM.

The IRM for RAOC #1 consisted of the installation of approximately seventeen (17) overburden and nine (9) bedrock treatment wells within the southwestern portion of the Site Building on the ground level (i.e., first floor). Overburden treatment wells were spaced approximately 12 to 16-feet apart and extended to the top of bedrock (approximately 20-21.5-ft below the current finished floor). Installation of the treatment system was completed by trenching and connecting piping beneath the floor slab to an exterior access point to allow for additional injections, if required. While this IRM was designed to treat overburden CVOC impacts, it is anticipated the treatment chemical will come into contact with the top of bedrock and may travel through bedrock fractures.



Prior to the installation of the piping beneath the floor, approximately 5,400-pounds (lbs) of the In-Situ Chemical Oxidation (ISCO) treatment chemical, sodium permanganate (“RemOx® L”) was applied into the seventeen (17) overburden treatment wells. Groundwater performance monitoring was conducted from monitoring upgradient, within the groundwater plume, and downgradient from the treatment area. An evaluation of the performance of the sodium permanganate indicated it was effective in reducing overall source area CVOC concentrations in the groundwater. For example, TCE concentrations of monitoring wells within the source area had reduced from a baseline concentrations of 13,000 ug/l in well RIMW-16 to 4,400 ug/l and were not detected above the laboratory method limit in wells RIMW-19S and RIMW-19D.

A sub-slab depressurization system (SSDS) has been installed at the site building to mitigate the potential soil vapor intrusion (SVI) for the RAOC #1 CVOC impacts. The construction of the SSDS is anticipated to be completed in August 2020 that includes installing the alarms and manometer as initiating the system

RAOC #2 – Building Materials Containing Radiation

Materials with elevated gamma count rate levels above background were identified during the radiological survey conducted by AMS. Floor clay tiles on the ground floor with elevated count rates appear to be a result of NORM used in the production of some tiles. Radiation in firebrick appears to also be NORM from materials used in production. Materials on the third floor appear to be consistent with “thoriated sands” based on samples collected. Thorium was sometimes used in the production of glass lenses. The source of elevated count rates in the sump is unknown; however, it is possible thoriated sand may have drained to the sump and settled on the bottom. As described in Section 3.5, the impacted materials previously located on the third floor of the building and within the sump have been removed. In addition, the fire brick was also removed and the sump was filled with concrete as it contained NORM materials. The first floor clay tile will be covered by a layer of cement.

RAOC #3- USTs and Petroleum-Related Impacts

During the RI, petroleum-related compounds were detected above applicable SCGs in several areas throughout the Site as described below:

Northeastern Petroleum-Related Impacts - During the RI an apparent fill port was identified in the northeastern corner of the Site (refer to Figure 3C). PID readings, odors and visual observation of a petroleum-water mixture was identified in the apparent fill port. A boring and well, RIGP-11/RIMW-11, was advanced in the vicinity of the tank and elevated PID readings, petroleum odors and staining was observed in soil at approximately 12.5-ft bgs. Several petroleum related compounds were detected in soil above Unrestricted Use and Protection of Groundwater SCOs and one compound, 1,2,4-trimethylbenzene, was detected above Restricted Residential Use SCOs. Additionally, petroleum related VOCs including 1,2,4-trimethylbenzene, naphthalene, and n-propylbenzene were detected in groundwater in RIMW-11 above Groundwater Quality Standards.



As described in Section 3.5, this UST and associated petroleum impacted soil were removed from the Site in July 2020. Confirmation soil samples were collected from the remedial excavation and did not detect concentrations of chemicals of concern above the Restricted Residential Use SCOs with the exception of one sample collected at the north sidewall. The residual impacted soil will be managed under the soil cover system. The removal information will be provided in the FER.

Southern Petroleum-Related Impacts – The southern petroleum impacts appear to consist of two different areas/sources:

- 1.) A fill port was identified during the Remedial Investigation which was later found to be connected to a 1,000 gallon UST located adjacent to the east of the Site building (refer to Figure 3C). Borings advanced during the Remedial Investigation did not encounter impacted soils in proximity to the UST. On November 7, 2019 a fuel oil odor was noted in the building. LaBella discovered approximately 6-inches of water in the former boiler pit within the basement with less than 1-inch of apparent fuel oil floating on top of it. Based on this discovery, Spill #1907970 was opened with the NYSDEC. The water was removed prior to closing the tank in December 2019 including the removal of 39.04 tons of petroleum impacted soil. Confirmation soil samples collected from the tank removal were not detected at concentrations above the Restricted Residential Use SCOs.
- 2.) ASTs in the former vault south of the Site appear to have resulted in some nuisance petroleum impacts to shallow soils based on a boring advanced within the former AST vault. Additional borings advanced in proximity to the AST vault did not encounter impacted soils as such the former ASTs do not appear to have represented a significant source of impacts to soil. It is possible that impacts have entered the groundwater affecting the nearby well SB-MW-04; however, impacts appear to be limited in extent as other nearby wells do not have elevated levels of petroleum related compounds. As noted in Section 3.5, these ASTs were removed in 2019 and the vault was filled with concrete.

Additional Petroleum-Related Impacts – Low-level benzene concentrations were detected in three (3) bedrock wells (RIBW-B, RIBW-C and BW-02) and (2) overburden wells (RIMW-14 and RIMW-15). The two (2) overburden wells are located in the northwestern portion of the Site Building. Bedrock wells RIBW-B and RIBW-C are located north of the Site building and BW-02 is located immediately east of the Site Building. These bedrock groundwater impacts may be attributed to the USTs on-Site or historical activities associated with Site operations however the exact source of these impacts is unknown. These VOC and SVOC petroleum impacts are anticipated to degrade over time due to natural attenuation that will limit off-site migration.

RAOC #4- Miscellaneous Discrete Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)

Several soil and groundwater samples were collected during the RI which showed apparent isolated impacts of various contaminants, as summarized below.



Soil: The following samples detected concentrations of chemicals of concern above the Unrestricted Use SCO: One (1) metal, lead, was detected in RIGP-06 (2-5-ft bgs) at 118 mg/kg, one (1) pesticide, 4,4'-DDT, was also detected in soil sample RIGP-06 (2-5-ft bgs), and one (1) pesticide, dieldrin was detected in a composite surface soil sample collected from the northeastern portion of the Site, designated as SS-COMP-01, from 0- 2-inches bgs. These samples were identified in soils containing urban fill materials. Concentrations detected were above Unrestricted Use SCOs but below Restricted Residential SCOs. Fill material mixed with soil appears to be present throughout the Site in isolated locations at depths ranging from 0-ft to 5-ft bgs. Urban fill materials are often associated with elevated metals concentrations but can also be associated with pesticides. These fill materials may be the result of on-Site disposal during historical industrial and manufacturing operations as well as demolition of buildings that previously occupied the Site. The use of fill material was common in urban environments in the early and mid-1900's.

Groundwater: VOCs (other than the CVOCs identified above), as well as several SVOCs, metals, and PCBs were detected in groundwater at the Site above applicable SCGs. These are summarized below:

- SVOCs - Several SVOCs, more specifically PAHs, were identified in groundwater in well RIMW-17 above Groundwater Quality Standards. RIMW-17 was installed in the southwestern portion of the Site Building. These impacts appear to be isolated and elevated PAHs were not detected in soil collected below the water table from RIGP-17(RIMW-17). PAHs typically adhere to the soil matrix and are not readily soluble in water. As such, the detection of PAHs in groundwater may be a result of the elevated turbidity noted during sampling rather than a representative concentration in the groundwater.
- Metals - Metals were detected in all five (5) groundwater samples above SCGs. Metals detected above SCGs include aluminum, iron, magnesium, manganese, and sodium and may be naturally occurring. Metals in groundwater are not anticipated to be related to Site contaminants. It should be noted that groundwater samples were turbid and the elevated concentrations of metals may be a result of sediment in the groundwater samples as opposed to dissolved metals in groundwater. All of the overburden groundwater samples collected had turbidities of greater than 50 NTU despite proper development and low-flow sampling procedures. As such, the metals concentrations are likely not representative of dissolved metals in groundwater.
- VOCs (other than CVOCs identified above) - VOCs including acetone and chloroform were detected above Groundwater Quality Standards. Chloroform was primarily identified groundwater in wells in the southeastern quadrant of the Site including RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D. During Site redevelopment, a pipe in the basement of the Site was found to be leaking potable water into the basement. Chloroform is a potential byproduct of water chlorination. As such, impacts identified at the Site may be a result of potable water entering the subsurface through the leaking basement pipe. Acetone was detected in bedrock groundwater in well BW-02 above Groundwater Quality Standards and appears to be an isolated occurrence. Acetone may have been utilized during historical manufacturing or industrial operations at the Site as a solvent for cleaning or other purposes; however, the exact source of acetone is unknown. It should also be noted that acetone is a common laboratory contaminant.



- PCBs - RIMW-08 detected PCBs in overburden groundwater at a concentration exceeding Groundwater Quality Standards. PCBs tend to adhere to soil particles rather than dissolve in water and were not detected elsewhere at the Site. The elevated concentration of PCBs appears to be an isolated occurrence. Although the source is unknown, PCBs may be a result of elevated turbidity in groundwater or from historical manufacturing operations at the Site.

4.2 Nature and Extent of Contamination

The Nature and Extent of Contamination is based on the cumulative investigation work performed during the LaBella 2018 Phase II ESA, the LaBella 2018 Preliminary Bedrock Shallow Groundwater Study and the Remedial Investigation.

The contaminants of concern at the Site include high levels of PCE and TCE and their associated breakdown products in groundwater and soil, radiation associated with building materials, low-level petroleum related compounds in groundwater from multiple sources, metals and pesticide impacts to soil and metals, SVOC, PCB, and additional VOC impacts in groundwater. The Nature and Extent of Contamination is discussed per AOC below.

- **AOC #1:** Widespread CVOC impacts were identified in soil gas, soil, groundwater, bedrock and bedrock groundwater at Site. The source of impacts is unknown; however, impacts are most likely associated with former manufacturing operations that may have released solvents including TCE and PCE to the subsurface.
- **AOC #2:** Building materials with radiation were identified in several locations throughout the building. Fire brick and tiles located in the basement and first floor, respectively, are considered NORM due to production of the materials, thus exempt from NYS regulations.
- **AOC #3:** Concentrations of petroleum-related compounds were identified in overburden soil and groundwater, as well as bedrock groundwater in AOC #3 throughout the Site. The petroleum impacts appear to be attributed two (2) USTs on-Site and past spills associated with ASTs in the former tank vault under the sidewalk south of the Site that was connected to the Site Building basement. USTs and the residual petroleum impacts will be assessed in a RAA.
- **AOC #4:** Miscellaneous discrete impacts to soil and groundwater appear to be associated with urban fill materials, historical manufacturing activities and/or leaking potable water on Site. Impacts appear to extend from the surface into shallow soils and in overburden and bedrock groundwater.

5.0 REMEDIAL GOALS, OBJECTIVES, AND BCP TRACK

5.1 Future Use of the Site

The site development included renovations to the existing building which is in the process of being converted into apartment units. There is no commercial space. The Site will be connected to all of the typical utilities including electrical, power, public water, natural gas, and sewer (combined). A copy of the Site Development Plan is included in Appendix 1.



5.2 Remedial Goals

The objective of this RAA is to identify, evaluate and select remedies to address the contamination identified by the RI. As defined in NYSDEC DER-10 (Section 4.0) and DER-31, remedial alternatives will be evaluated based on the following criteria:

1. Overall Protection of Public Health and the Environment: This criterion evaluates the ability of each remedial alternative to protect public health and the environment during or subsequent to implementation of the alternative.
2. Compliance with SCGs: This criterion evaluates whether each remedial alternative will ultimately result in compliance with the applicable, relevant or appropriate SCGs, to the extent practicable.
3. Long-Term Effectiveness and Permanence: This criterion evaluates if each remedial alternative is effective and permanent in the long-term after implementation (e.g., potential rebound of groundwater contamination). In the event that residual impacts will remain as part of the alternative, then the risks and adequacy/reliability of the controls are also evaluated.
4. Reduction of Toxicity, Mobility, or Volume with Treatment: This criterion evaluates of the ability of each remedial alternative to reduce the toxicity, mobility and volume of site contamination. In addition, the reversibility of the contaminant destruction or treatment is evaluated.
5. Short-Term Impact and Effectiveness: This criterion evaluates the potential short-term adverse environmental impacts and human exposures during construction and/or implementation of an alternative or remedy.
6. Implementability: This criterion evaluates each remedial alternative based on its suitability, implementability at the specific site, and availability of services and materials that will be required.
7. Cost: This criterion evaluates the capital, operation, maintenance, and monitoring costs for each remedial alternative. The estimated costs are presented on a present worth basis.
8. Land Use: This criterion evaluates of the current, intended and reasonably anticipated future use of the Site and its surroundings, as it relates to an alternative or remedy, when unrestricted levels would not be achieved. The Land Use Evaluation is included as Appendix 2.
9. Community Acceptance: This criterion will be evaluated after the public review of the remedy selection process.
10. Green Remediation: This criterion considers all environmental effects of remedy implementation and incorporates alternatives that minimize the environmental footprint of cleanup actions.



5.3 Remedial Action Objectives

The general remedial goal for sites in the NYS Brownfield Cleanup Program is to eliminate or mitigate significant threats to the public and the environment posed by the Site. The identified sources of contamination at the Site have been or will be eliminated or mitigated to a condition acceptable to the NYSDEC under the BCP using appropriate remedial technologies, engineering controls (ECs), and institutional controls (ICs).

Based on the information presented in the preceding sections, the remedial action objectives (RAOs) for the site include:

Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

5.4 Standards, Criteria, and Guidelines

This section identifies the Standards, Criteria and Guidelines (SCGs) for the Site. The SCGs identified are used in order to quantify the extent of contamination at the Site that requires remedial work based on the cleanup goal. The SCGs to be utilized for comparison are identified below:



Soil SCGs:

- 6 NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for Restricted Residential Use
- 6 NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for Protection of Groundwater

Groundwater SCGs:

- NYCRR Part 703 Groundwater Standards
- Technical and Operational Guidance Series (TOGS) 1.1.1 Water Quality Standards and Guidance Values

5.5 Brownfield Cleanup Track

Four (4) cleanup tracks are available for consideration at BCP sites. Track 1 cleanups achieve conditions that allow for Unrestricted Use, achieve Unrestricted Use SCOs in the soil component of the remedy, and do not rely on implementation of site use restrictions or long-term ICs or ECs. The requirements for Cleanup Tracks 2, 3, and 4 have provisions that consider limitations on current/planned uses and likely future uses for sites:

- **Track 2** allows for restricted use with generic soil cleanup objectives (SCOs) based on the intended use of the property-residential, restricted residential (single family houses not allowed), commercial, or industrial;
- **Track 3** allows for restricted use with modified SCOs based on the same uses described in track 2 above;
- **Track 4** allows for restricted use with site-specific soil cleanup objectives, where the shallow exposed soils must meet the generic SCOs used for track 2 above.

In Tracks 2 and 3, long-term ICs and ECs are permissible for media other than soil. ICs and ECs are allowed as part of the soil component of the remedy only in the short-term and only to provide protection of public health and the environment during the implementation and operation of remedial measures designed to achieve applicable SCOs. Track 4 provisions allow for the use of long-term ICs and ECs to address all contaminated media. This RAA concludes that Track 4 provisions are most appropriate for the Site, and the remedial alternatives that are evaluated in the RAA are amenable to the cleanup requirements of Track 4. The RAA also includes evaluation of remedial alternatives that may be capable of meeting the requirements of Track 1. The Track 1 alternative is evaluated, as required by Part 375, in the event that the remedy selected by the Department is not included in the Department's current list of approved presumptive remedies.

The Site IRMs were completed under a BCP "Track 4" cleanup scenario, which is based on a Restricted Residential site use and which allows the application of ECs and ICs.



6.0 REMEDIAL ALTERNATIVES ANALYSIS

This section develops the remedial alternatives being considered for addressing the Remedial AOCs (RAOCs) identified for the Site. For each RAOC, an alternative that will result in Unrestricted Use (Track 1) was evaluated as required by the BCP regulations, as well as the no action alternative and alternatives for Track 4. The alternatives are evaluated for the remediation of Site conditions identified during the RI as they existed prior to the implementation of the IRMs. The recommendations from this evaluation, however, take into account the IRMs that have been completed to date (see Section 5.0 for detail). Specifically, the following RAOCs are included in the assessment:

- **RAOC #1** – CVOC Impacts
- **RAOC #2** – Building Materials Containing Radiation
- **RAOC #3** – USTs and Petroleum-Related Impacts
- **RAOC #4** – Miscellaneous Discrete Subsurface Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)

6.1 Preliminary Screening of Alternatives

Site remedial technologies and approaches were pre-screened on the basis of feasibility, applicability to the environmental conditions and remedial action objectives for the Site, and cost effectiveness. Remedial methods, technologies and approaches considered in this pre-screening process were included on the basis of LaBella's past experience with remedial work involving similar site characteristics and contaminants. Both proven and innovative technologies were considered since the Site had more than one impacted media and more than one contaminant "class," combinations of technologies were considered to form a single remedial approach. Several methodologies were ruled out and others were selected for further evaluation.

Table 6.1
Initial Screening of Remedial Alternatives

General Remedial Scenario	Remedial Technology	Selected for Further Evaluation	Explanation
RAOC #1 – CVOC Impacts <u>(The remedy for RAOC #1 has already been implemented)</u>			
No action	None	Yes	No action will not meet any of the criteria.
Institutional and Engineering Controls and Monitored Natural Attenuation (MNA)	SSDS and Long Term MNA. (no site cover system is included since it is proposed under RAOC #4)	Yes	High implementability and effective to reduce exposure to on-site CVOCs. Annual implementation is feasible but would not reduce CVOCs at the Site.
Physical Treatment	Excavation	No	Impacted soil beneath the building would have to be removed to remove the source of contamination at the Site. Implementability would be difficult to the presence of the existing building above the impacts,



General Remedial Scenario	Remedial Technology	Selected for Further Evaluation	Explanation
			the depth of impacts and the need to remove bedrock.
In-Situ Treatment	Enhanced Bioremediation	Yes	Can be implemented, but may take several years (10-20 years) and several additional applications of treatment chemical to reduce CVOCs in soil and groundwater with high concentrations. Can be used as a treatment option as a polishing phase once high levels of source area CVOCs have been reduced in soil and groundwater. Revised to include polishing
	Electrical Resistance Heating	No	Can be implemented and is effective, but would be extremely costly for the development.
	Chemical Oxidation and SSDS (SSDS is not a treatment system, but would be needed to mitigate potential SVI concerns)	Yes	Can be implemented within interior with little disturbance during renovation of Site building and may take several years and multiple injections to significantly reduce CVOCs in soil and groundwater.
Containment	Sheet Pile Wall	No	Not practicable as it would be extremely costly and vibration during installation could damage adjacent structures.
RAOC #2 – Building Materials Containing Radiation (The remedy for RAOC #2 has already been implemented)			
No action	None	No	No action will not meet any of the criteria.
Physical Treatment	Containment	Yes	Can be easily implemented but could affect redevelopment and future use of the Site.
	Removal/Extraction	Yes	Can be implemented and would permanently remove a source of impacts at the Site.
RAOC #3 – USTs and Petroleum-Related Impacts (The remedy for RAOC #3 has already been implemented)			
No action	None	No	No action will not meet any of the criteria.
Institutional and Engineering Controls	Cap/ Cover, Long Term Monitoring	No	High implementability and no specific equipment required.



General Remedial Scenario	Remedial Technology	Selected for Further Evaluation	Explanation
			Annual implementation is feasible. Would not remediate source of impacts or soil and groundwater.
Physical Treatment	Excavation	Yes	Removal of tanks and impacted soil would remove the source of contamination at the Site. Can be easily implemented.
	Tank Closure	Yes	Tank closure in place would remove source of petroleum impacts but would leave moderate to high residual impacts remaining at the Site.
In-Situ Treatment	Enhanced Bioremediation	No	Can be implemented to remove soil and groundwater contamination but may take several years and several additional applications of treatment to reduce chemicals of concern.
RAOC #4 – Miscellaneous Discrete Subsurface Impacts (RIGP-06, SS-COMP-1, RIMW-02, RIMW-04, RIMW-17, RIBW-D)			
No action	None	No	No action will not meet any of the criteria.
Institutional and Engineering Controls	Cap/ Cover, Long Term Monitoring	Yes	High implementability and no specific equipment required. Annual implementation is feasible.
Physical Treatment	Excavation of Source area soil and Groundwater Extraction	Yes	Removal of source area soil and impacted groundwater will likely reduce subsurface impacts at the Site and Site Cover will contain residual contamination at the Site. Implementability would be difficult at some locations due the existing building.
In-Situ Treatment	Enhanced Bioremediation	No	Can be implemented within the exterior of the Site building, but may take several years (10-20 years) and several additional applications of treatment chemical to reduce chemicals of concern in soil and groundwater and may be an excessive cost.



6.2 Evaluation of Alternatives

This alternatives analysis evaluates three (3) remedial alternatives for each RAOC. Since the alternatives are evaluated separately for each RAOC there are some tasks which overlap each analysis (e.g., reporting, etc.). Based on this, the alternatives are initially evaluated separately, but the total cost and scope for the selected remedies will be adjusted for the final selected site wide remedial approach (refer to Sections 10.0 and 11.0). The following alternatives were evaluated for use at the Site.

Please note that the selected alternatives for RAOC #1, RAOC #2, and RAOC #3 have already been addressed as part of the NYSDEC approved IRM or Draft Interim Site Management Plan as detailed in Section 3.5. The remedial alternative discussion for RAOC #1, RAOC #2, and RAOC #3 are only included for show objectives, expectations, and items that were evaluated to meet the requirements of the BCP and remedy for the site. As such, the alternative analysis below discusses RAOC #1, RAOC #2, and RAOC #3 as they have not been implemented.

- Track 1 Cleanup (Unrestricted Use): An alternative assessing Unrestricted Use for the Site was assessed. This alternative would require that historical fill and subsurface soil impacts be removed from the Site. This would require demolition of the building (including removing radiation containing materials) and remove petroleum storage tanks as well. Implementation of Alternative #1 for each RAOC will result in the removal of all soil and fill material with impacts identified above Unrestricted Use SCOs. The Track 1 alternative would require an excavation area of approximately 0.48 acres or 21,000 sq ft and would include all areas of surface and subsurface fill and soil sample that exceed Unrestricted Use SCOs. It is assumed impacted fill and soil material is present to depths on average up to 20 feet (ft) below the ground surface (bgs). In addition, the top 10 feet of bedrock would be removed to address impacts to groundwater. The total volume of fill material to be removed for a Track 1 Cleanup is approximately or 15,555 cubic yards (cy) of soil and fill and approximately 7,500 cubic yards of bedrock. This alternative will require structural reinforcement (e.g., shoring, sheet piling) to prevent damage to adjacent streets, sidewalks, and utilities. A temporary dewatering system would be installed and operated to manage deep excavations into the overburden groundwater table. It is assumed 5 pumping wells would be installed across the Site and water would be pumped at a total of 500 gallons per minute. Approximately 1 million gallons of groundwater would be removed.
- Track 4 Cleanup (Restricted Residential): This alternative would address four (4) RAOCs:
 - RAOC #1 - Treatment of source area CVOC impacted soil and groundwater using in-situ chemical oxidation or monitored natural attenuation (MNA) with installation of SSDS.
 - RAOC #2 - Removing or encapsulating building materials that contain elevated radiation
 - RAOC #3 - Closing USTs in place or removing the USTs and associated impacted soil.
 - RAOC #4 - Installation of a site cover system or ex-situ groundwater treatment with site cover system.



The above alternatives would require institutional controls (ICs) and engineering controls (ECs) and the subsurface soil and groundwater containing residual impacts would be left in place that would be managed under the Site Management Plan (SMP).

- **No Action:** The “no action” alternative is included as a baseline to evaluate alternatives. Under this alternative, no remedial actions or monitoring activities would occur. No ICs or ECs to manage contamination would be put in place.

The three (3) above mentioned alternatives were evaluated for each RAOC and are listed below.

6.3 Alternative #1 - Unrestricted Use Track 1 Cleanup

As required by the NYSDEC, Alternative #1 includes assessing Unrestricted Use for the Site. To achieve this, Alternative #1 includes demolition of the building (including removal of radiation containing materials), removal of USTs, and excavating fill material and soil that exceeds Unrestricted Use SCOs and combines RAOC #1, RAOC #2, RAOC #3, and RAOC #4. The proposed excavation areas shown on Figure 4 were determined based on soil samples that resulted in compounds above Unrestricted Use SCOs and assumptions where impacts are present above the Unrestricted Use SCOs may be present. Confirmatory soil samples would be collected in accordance with DER-10 and soil will be removed until confirmatory soil samples are below Unrestricted Use SCOs. The proposed excavation area would be approximately 21,000 sq ft to depths ranging from the ground surface up to 25-ft bgs to meet Unrestricted Use SCOs. It is assumed impacted fill and soil material is present to depths on average up to 20 ft bgs. The total volume of fill material to be removed for a Track 1 Cleanup is approximately or 15,555 cy. Soil and fill material would be disposed of as 28,000 tons of non-hazardous waste via contained-in determination. This alternative will require structural reinforcement (e.g., shoring, sheet piling) to prevent damage to adjacent streets, sidewalks, and utilities. A temporary dewatering system would be installed and operated to manage deep excavation into the overburden groundwater table. It is assumed that up to 5 pumping wells would be installed across the Site. Approximately 1 million gallons of groundwater would be removed.

This alternative assumes two years of semi-annual monitoring and three additional years of annual groundwater monitoring using passive diffusion bags (PDBs) at nine groundwater monitoring wells (wells within excavations would be decommissioned and replaced following backfill). No IC and EC would likely be required.

6.4 Track 4 Cleanup

6.4.1 RAOC #1 - CVOC Impacts

Alternative #2 – In-Situ Chemical Oxidation

Alternative #2 for RAOC #1 will consist of the installation of approximately seventeen (17) overburden and nine (9) bedrock treatment wells within the southwestern portion of the Site Building on the ground level (i.e., first floor). Overburden treatment wells will be spaced approximately 12 to 16 ft apart. The anticipated overburden treatment volume is 2,800 square feet to depths of 6.5-21.5 ft bgs. The anticipated potential bedrock treatment volume is approximately 1,400 sq ft to depths of 21.5-31.5 ft bgs. Top of bedrock in this area of the Site is approximately 21.5 ft bgs. Refer to Figure 5 for RAOC #1 treatment areas.



Initially, approximately 5,400 pounds of sodium permanganate will be introduced via permanent overburden treatment wells installed in the locations shown on Figure 5. The sodium permanganate will be either gravity fed or pumped at a low pressure into the treatment wells. The Site Building is being redeveloped into an apartment building; as such, treatment wells will be accessed through horizontal piping that will be installed and routed beneath the floor to the eastern exterior of the Site Building. If necessary, this will allow future treatments to take place via this horizontal piping into the treatment wells without having to disrupt building occupants. Performance groundwater monitoring will be conducted at 6 and 12 weeks subsequent to the injection then quarterly monitoring for the first two years, then semi-annual monitoring for the next two years, then annual monitoring from nine (9) wells. The sampling frequency and wells to be sampled are subject to NYSDEC approval and will be detailed in the Site Management Plan (SMP)

The sodium permanganate would immediately begin to oxidize contaminants; however, the contaminant rebound can occur following treatment as the chemical is utilized. As such, it is anticipated that additional treatments with sodium permanganate and/or other treatment chemicals may be warranted based on groundwater monitoring results.

This alternative would require the installation of a SSDS to mitigate potential soil vapor intrusion into the Site building. This alternative would require ICs and ECs.

Alternative #3 – Monitored Natural Attenuation

Under this alternative, nine (9) groundwater monitoring wells would be sampled and analyzed for VOCs to assess total VOC concentrations as well as select biodegradation indicators and groundwater quality parameters which act as proxies for attenuation progress. Wells would be sampled semi-annually for up to 5 years, and annually for up to 25 additional years.

This alternative would require the installation of a SSDS to mitigate potential soil vapor intrusion into the Site building. This alternative would require ICs.

6.4.2 RAOC #2 Building Materials Containing Radiation

Alternative #2 – Removal of Building Materials Containing Radiation

This would involve the removal and disposal of the ground floor sump and a small (3'x3') third floor area that had detectable levels of contamination distinguishable from background. Decontamination of the surrounding areas will be completed as well as confirmation sampling to confirm the areas were removed and decontaminated. Refer to Figure 6 for a summary of RAOC #2 removal areas. No ICs and ECs would likely be required for this alternative.

Alternative #3 – Encapsulation of Building Materials Containing Radiation

This alternative would be to encapsulate the ground floor sump and a small (3'x3') third floor area that had detectable levels of contamination distinguishable from background at the locations shown on Figure 6. Decontamination of the surrounding areas will be completed as well as confirmation sampling and/or screening to confirm the areas were decontaminated. This would involve placing concrete or lead over these areas and follow-up monitoring to confirm its effectiveness. This alternative would limit use of the building and ICs and ECs would be required.



6.4.3 RAOC #3 - USTs and Petroleum-Related Impacts

Alternative #2 – Removal of USTs and Associated Impacts to Soil

This alternative would involve the removal of USTs and associated petroleum related source area impacts. The proposed tank removal locations are shown on Figure 7 and assumed associated petroleum related impacts would be removed above the Restricted Residential Use SCOs. Confirmatory soil samples would be collected in accordance with DER-10 and soil will be removed until confirmatory soil samples are below the Restricted Residential Use SCOs or until the extent feasible. The excavations will be backfilled with imported material approved by the NYSDEC for use. No ICs and ECs would likely be required for this alternative. Residual petroleum related VOCs and SVOCs are anticipated to degrade over time due to natural attenuation that will limit off-site migration.

Alternative #3 – Closure of USTs In Place

This alternative would involve the closure of the USTs in place to remove the source of impacts without the removal of associated petroleum related source area soil impacts. Not removing the residual soil impacts around the USTs would likely continue to act as a source of contamination at the Site. The site cover system would be installed over the residual subsurface impacts at the Site (see RAOC #4 alternative). The installation of a site cover system is not included for RAOC #3, as it is discussed and detailed for RAOC #4. Residual petroleum related VOCs and SVOCs are anticipated to degrade over time due to natural attenuation that will limit off-site migration. This alternative would require ICs and ECs.

6.4.4 RAOC #4 Alternative #2 - Miscellaneous Discrete Subsurface Impacts

Alternative #2 – Site Cover System

This alternative would involve a site cover system to be installed over the Site in areas that do not meet the Restricted Residential Use SCOs. As discussed in Section 4.0, there are miscellaneous areas of low concentration subsurface impacts present above the SCGs. The source of soil and groundwater impacts for this RAOC appears to be from materials leftover from the demolition of buildings that once occupied the Site as well as potential on-Site disposal of materials associated with historical manufacturing activities at the Site. Although soil impacts exceed Unrestricted Use SCOs, they did not exceed Restricted Residential Use SCOs; however fill identified elsewhere on-Site may contain elevated levels of similar compounds. The site cover system would reduce the possibility of exposure to the residual impacts and the SSDS installed under RAOC #2 would prevent potential exposure to soil vapor intrusion. The proposed site cover system is shown on Figure 8 and will consist of a minimum of 2 ft thick layer of soil or fill that meets the Restricted Residential SCOs or an impervious cover (e.g. asphalt, concrete). This alternative would require ICs and ECs.



Alternative #3 – Soil Removal, Ex-Situ Groundwater Treatment and Site Cover System

RAOC #4 identifies soil sample locations RIGP-06 and SS-COMP-1 as a remedial area of concern. However, the samples submitted from these locations did not exceed the Restricted Residential Use SCOs, as such, will not be evaluated for remediation under a Track 4 cleanup. Groundwater sample locations RIMW-02, RIMW-04, RIMW-08, RIMW-17, and RIMW-D detected the following impacts above Groundwater Quality Standards:

- SVOCs - Several SVOCs, more specifically PAHs, were identified in groundwater in well RIMW-17 above Groundwater Quality Standards. RIMW-17 was installed in the southwestern portion of the Site Building. These impacts appear to be isolated and elevated PAHs were not detected in soil collected below the water table from RIGP-17(RIMW-17). PAHs typically adhere to the soil matrix and are not readily soluble in water. As such, the detection of PAHs in groundwater may be a result of the elevated turbidity noted during sampling rather than a representative concentration in the groundwater.
- Metals - Metals were detected in all five (5) groundwater samples above SCGs. Metals detected above SCGs include aluminum, iron, magnesium, manganese, and sodium and may be naturally occurring and/or a result of the use of road salt for de-icing purposes on adjacent roadways. Metals in groundwater are not anticipated to be related to Site contaminants. It should be noted that groundwater samples were turbid and the elevated concentrations of metals may be a result of sediment in the groundwater samples as opposed to dissolved metals in groundwater. All of the overburden groundwater samples collected had turbidities of greater than 50 NTU. As such the metals concentrations may not be representative of dissolved metals in groundwater.
- VOCs (other than CVOCs identified above) - VOCs including acetone and chloroform were detected above Groundwater Quality Standards. Chloroform was primarily identified groundwater in wells in the southeastern quadrant of the Site including RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D. During Site redevelopment, a pipe in the basement of the Site was found to be leaking potable water into the basement. Chloroform is a potential byproduct of water chlorination. As such, the elevated chloroform concentrations identified at the Site may be a result of potable water entering the subsurface through the leaking basement pipe. Groundwater monitoring as part of the IRM for RAOC #1 did not detect chloroform at concentrations above the laboratory method detection limit. Acetone was detected in bedrock groundwater in well BW-02 above Groundwater Quality Standards and appears to be an isolated occurrence. Acetone may have been utilized during historical manufacturing or industrial operations at the Site as a solvent for cleaning or other purposes; however, the exact source of acetone is unknown. It should also be noted that acetone is a common laboratory contaminant.
- PCBs - RIMW-08 detected PCBs in overburden groundwater at a concentration exceeding Groundwater Quality Standards. PCBs were not detected elsewhere at the Site. The elevated concentration of PCBs appears to be an isolated occurrence.



Alternative 3 for RAOC #4 would involve removal of approximately 10 tons of impacted soil at boring/well locations RIGP-06, RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D (followed by the reinstallation of wells RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D) and the removal of a limited volume of groundwater from the area of wells RIMW-02, RIMW-04, RIMW-08, RIMW-17 and RIMW-D via a pump and treat system to reduce chemical concentrations. It is estimated three confirmation soil samples will be collected from each excavation for full site parameters. A 4 to 8 inch recovery well would be installed adjacent to each well location (i.e. RIMW-02, RIMW-04, RIMW-08, RIMW-17 and RIMW-D) and approximately 5,000 gallons of groundwater would be removed from each recovery well, treated, and discharged to the sewer under the proper municipal permitting. Groundwater would be monitored from wells RIMW-02, RIMW-04, RIMW-08, RIMW-17, and RIMW-D semi-annually for two years. It is assumed the spot soil removal coupled with the removal of impacted groundwater will reduce the overall concentrations of chemicals of concern at AOC #4.

This alternative would involve a site cover system to be installed over the Site in areas that do not meet the Restricted Residential Use SCOs (see Alternative #2). This alternative would require ICs and ECs.

6.5 Alternative #4 – No Action

Alternative #4 combines RAOC #1, RAOC #2, RAOC #3, and ROAC #4. The “no action alternative” is included as a baseline to evaluate alternatives. Under this alternative, no remedial actions or monitoring activities would occur. No environmental easement would be recorded and no institutional or engineering controls to manage contamination would be placed.

7.0 ANALYSIS OF ALTERNATIVES

Remedial alternatives detailed in Section 7.0 were evaluated based on the following criteria with the exception of community acceptance which cannot be evaluated prior to initiating a public comment period. Note that although the SCGs determined in the RI report indicate Unrestricted Use SCOs are applicable, it is anticipated that future development will be consistent with Restricted Residential Use.

- Protection of human health and the environment
- Compliance with SCGs
- Reduction of toxicity, mobility, or volume
- Short-term effectiveness
- Long-term effectiveness
- Implementability
- Cost
- Land use
- Community acceptance
- Green remediation



7.1 Alternative #1 Analysis for Track 1 Unrestricted Cleanup

Description

Alternative #1 includes assessing Unrestricted Use for the Site. . To achieve this, Alternative #1 includes demolition of the building (including removal of radiation containing materials), removal of USTs, and excavating fill material and soil that exceeds Unrestricted Use SCOs, removes the top 10 feet of bedrock and combines RAOC #1, RAOC #2, RAOC #3, and RAOC #4. Refer to Section 6.3 for additional details.

This remedial scenario assumes that all site soil meets unrestricted Use SCOs and groundwater contamination has been reduced below the NYSDEC groundwater standards. As such, no ICs or ECs and further monitoring would be required.

Assessment

This alternative will be protective to human health and the environment because it will remove the source of impacts and surface and subsurface soil impacts from the Site, thus reducing potential exposures. The removal of the soil impacts and pumping of groundwater will likely significantly reduce the CVOCs in groundwater. SCGs will be met with this alternative as surface soil concentrations will meet Unrestricted Use SCOs. There is the potential that short term impacts may be encountered during the remedy due to the large area, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of contaminated soil will be reduced because contaminated soils would be permanently removed from the Site. In the short-term and long-term, this alternative will be effective by permanently removing impacted soils. This alternative would be feasible, but very costly. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative is not considered “green” due to the contributions of impacted soil to landfills and increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site.

A detailed cost summary is included in Table 7.1.

Estimated Capital Cost	\$ 5,603,628
Estimated Annual Cost (Year 1-30)	\$ 0
Estimated Total Present Worth Cost.....	\$ 5,603,682

7.2 RAOC #1 - CVOC Impacts Track 4 Cleanup

7.2.1 RAOC #1 Alternative #2 - In-Situ Chemical Oxidation

Description

Alternative #2 for RAOC #1 will consist of the installation of approximately seventeen (17) overburden and nine (9) bedrock treatment wells within the southwestern portion of the Site Building on the ground level (i.e., first floor) and installation of an SSDS. Initially, approximately 5,400 pounds of sodium permanganate will be introduced via permanent overburden treatment wells installed in the locations shown on Figure 5. Future treatments to take place via this horizontal piping into the treatment wells without having to disrupt building occupants and will be based on performance groundwater monitoring. Well will be screened from above the water table all the way to the bedrock to allow for treatment of overburden soils as well as groundwater. Refer to Section 6.4.1 for additional detail.



Assessment

This alternative will be protective to human health and the environment because it will reduce the source of subsurface soil and groundwater impacts at the Site, thus reducing potential exposures. SCGs will be met with this alternative as subsurface soil concentrations will likely be reduced to meet Restricted Residential Use SCOs. There is the potential that short term impacts may be encountered during the remedy due to the large area, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of contaminated soil will be reduced because source area contaminated soil and groundwater will be treated at the Site. In the short-term and long-term, this alternative will be effective by permanently reducing concentrations of impacted CVOCs in soil and groundwater. This alternative would be feasible, but relatively costly. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative may be considered “green” due to the lack of the contribution of impacted soil to landfills and minimal increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site.

A detailed cost summary is included in Table 7.2.1.

Estimated Capital Cost	\$ 531,231
Estimated Annual Cost (Year 1-30)	\$ 159,840
Estimated Total Present Worth Cost.....	\$ 691,071

7.2.2 RAOC #1 Alternative #3 - Monitored Natural Attenuation

Description

Under this alternative, nine (9) groundwater monitoring wells would be sampled and analyzed for VOCs to assess total VOC concentrations as well as select biodegradation indicators and groundwater quality parameters which act as proxies for attenuation progress. Wells would be sampled semi-annually for up 5 years, and annually for up to 25 additional years.

This alternative would require the installation of a SSDS to mitigate potential soil vapor intrusion into the Site building. This alternative would require ICs and ECs.

Assessment

This alternative would be protective to human health and the environment in the long-term because concentrations of contaminants are expected to continue to decline. This RAOC is beneath the Site building and; therefore, human exposure is not a concern as long as the floor slab is undamaged and engineering controls are put in place with an SSDS. This alternative would not significantly result in a reduction in toxicity, mobility, and volume of contaminants in this location in the short and long term. This alternative is not anticipated to provide significant harm to the environment and is considered “green”. This alternative would not be costly and can be easily implemented due to the lack of ground intrusive work and negligible disruptions to Site operations.

A detailed cost summary is included in Table 7.2.2.

Estimated Capital Cost	\$ 112,930
Estimated Annual Cost (Year 1-30)	\$ 302,750
Estimated Total Present Worth Cost.....	\$ 443,180



7.3 RAOC #2 - Building Materials Containing Radiation Track 4 Cleanup

7.3.1 RAOC#2 Alternative #2 – Removal of Building Materials Containing Radiation

Description

This would involve the removal and disposal of the ground floor sump and a small (3'x3') third floor area had detectable levels of contamination distinguishable from background. Decontamination of the surrounding areas will be completed as well as confirmation sampling to confirm the areas were removed and decontaminated. Refer to Figure 6 for a summary RAOC #2 removal areas. No ICs and ECs would likely be required for RAOC #2.

Assessment

This alternative will be protective to human health and the environment because it will remove the source of the material containing radiation, thus removing potential exposures. There is the potential that short term impacts may be encountered during the remedy, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of building materials containing radiation will be reduced because they would be permanently removed from the Site. In the short-term and long-term, this alternative will be effective by permanently removing building materials containing radiation that could expose the occupants of the Site. This alternative would be feasible and be a moderate cost. This alternative would be consistent with use of the Site. This alternative is not considered “green” due to the contributions of impacted materials to landfills and increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site.

A detailed cost summary is included in Table 7.3.1.

Estimated Capital Cost	\$ 59,450
Estimated Annual Cost (Year 1-30)	\$ 0
Estimated Total Present Worth Cost.....	\$ 59,450

7.3.2 RAOC#2 Alternative #3 – Encapsulation of Building Materials Containing Radiation

Description

This alternative would be to encapsulate the ground floor sump and a small (3'x3') third floor area had detectable levels of contamination distinguishable from background. Decontamination of the surrounding areas will be completed as well as confirmation sampling to confirm the areas were decontaminated. This would involve placing concrete or lead over these areas and monitoring. This alternative would limit use of the building and ICs and ECs would be required.

Assessment

This alternative will be protective to human health and the environment because it will reduce exposure to material containing radiation. There is the potential that short term impacts may be encountered during the remedy, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of radiation will be reduced because they would be permanently encapsulated. In the short-term and long-term, this alternative will be effective by containing the radiation that could expose the occupants of the Site. This alternative would be feasible and be a moderate cost. This alternative would be consistent with use of the Site. This alternative is considered “green” due to the lack of contributions of impacted materials to landfills and truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site. However, this alternative may inhibit development of certain portions of the Site and there would minimal cost difference to permanently remove the material from the Site



building. The cost to implement this alternative would be similar to permanently removing these materials from the Site.

A detailed cost summary is included in Table 7.3.2.

Estimated Capital Cost	\$ 61,537
Estimated Annual Cost (Year 1-30)	\$ 75,000
Estimated Total Present Worth Cost.....	\$ 136,537

7.4 RAOC #3 - USTs and Petroleum-Related Impacts Track 4 Cleanup

7.4.1 RAOC #3 Alternative #2 – Removal of USTs and Associated Impacts to Soil

Description

This alternative would involve the removal of USTs and associated petroleum related source area impacts. The tank location areas shown on Figure 7 and assumed petroleum related impacts would be removed above the Restricted Residential Use SCOs. Confirmatory soil samples would be collected in accordance with DER-10 and soil will be removed until confirmatory soil samples are below the Restricted Residential Use SCOs. The excavations will be backfilled with imported material approved by the NYSDEC for use. Residual petroleum related VOCs and SVOCs are anticipated to degrade over time due to natural attenuation that will limit off-site migration. No ICs and ECs would likely be required for RAOC #3.

Assessment

This alternative will be protective to human health and the environment because it will remove the source are subsurface impacts from the Site, thus reducing potential exposures. SCGs will be met with this alternative as surface soil concentrations will meet Restricted Residential Use SCOs. There is the potential that short term impacts may be encountered during the remedy, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of contaminated soil will be reduced because contaminated soils would be permanently removed from the Site. In the short-term and long-term, this alternative will be effective by removing the source of impacts. This alternative would be feasible with a low to moderate cost. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative is not considered “green” due to the contributions of impacted soil to landfills and increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site.

A detailed cost summary is included in Table 7.4.1.

Estimated Capital Cost	\$ 86,580
Estimated Annual Cost (Year 1-30)	\$ 0
Estimated Total Present Worth Cost.....	\$ 86,580

7.4.2 RAOC #3 Alternative #3 – Closure of USTs In-Place

Description

This alternative would involve the closure of the USTs in place to remove the source of impacts without the removal of associated petroleum related source area soil impacts. Not removing the residual soil impacts around the USTs would likely continue to act as a source of contamination at the Site. The site cover system would be installed over the residual subsurface impacts at the Site (see Section 8.5). Residual petroleum related VOCs and SVOCs are anticipated to degrade over time



due to natural attenuation that will limit off-site migration. Annual monitoring of the site cover system over these residual soil impacted would be required. This alternative would require ICs and ECs.

Assessment

This alternative will be protective to human health and the environment because it will remove the source of subsurface impacts from the Site, thus reducing potential exposures. However, the residual petroleum impacts to soil would remain and may contribute to impacts to soil and groundwater at the Site over time. SCGs will be met with this alternative as the subsurface impacted soil will have a site cover system that will meet Restricted Residential Use SCOs. There is the potential that short term impacts may be encountered during the remedy, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of contaminated soil will be somewhat reduced because the source of the petroleum impacts will be removed however residual contaminated soils may continue to impacts the subsurface soil and groundwater over time. In the short-term, this alternative will be effective by removing the source of impacts however, in the long term residual impacts to soil would remain and possible to continue to impact soil and groundwater over time. This alternative would be feasible with a low to moderate cost. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative is not considered “green” due to increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to fill the tank in place at the Site.

A detailed cost summary is included in Table 7.4.2.

Estimated Capital Cost	\$ 58,081
Estimated Annual Cost (Year 1-30)	\$ 75,000
Estimated Total Present Worth Cost.....	\$ 133,081

7.5 RAOC #4 - Miscellaneous Discrete Subsurface Impacts Track 4 Cleanup

7.5.1 RAOC #4 Alternative #2 – Site Cover System

Description

This alternative would involve a site cover system to be installed over the Site in areas that do not meet the Restricted Residential Use SCOs. The proposed area of the site cover system is shown on Figure 8 and will consist of a minimum of 2 feet of soil or fill that meets the Restricted Residential SCOs and/or an impervious cover (e.g. asphalt, concrete). Refer to Section 6.4.4 for additional detail. This alternative would require ICs and ECs as the site cover system would require at a minimum annual inspection and certification of institutional controls as well as the potential for inspections after severe weather events.



Assessment

This alternative will be protective to human health and the environment because it will reduce potential exposure to subsurface impacts at the Site. SCGs will be met with this alternative as surface soil concentrations will meet Restricted Residential Use SCOs or be covered with a pavement layer. There is the potential that short term impacts may be encountered during the remedy due to the large area, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, and volume of contaminated soil will not be reduced because contaminated materials would not be removed or treated at the site, however, the mobility of contaminated materials would be reduced as the site would be covered with a minimum of 2 feet of material that meets the SCGs or pavement, concrete, or similar material that may act as a cap. In the short-term and long-term, this alternative will be effective by reducing exposure to subsurface impacted materials. This alternative would be feasible, with a moderate cost. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative is not considered “green” due to increased truck traffic for hauling of materials to the Site.

A detailed cost summary is included in Table 7.5.1.

Estimated Capital Cost	\$176,151
Estimated Annual Cost (Year 1-30)	\$75,000
Estimated Total Present Worth Cost.....	\$251,141

7.5.2 RAOC #4 Alternative #3 – Soil Removal, Ex Situ Groundwater Treatment and Site Cover System

Description

Alternative 3 for RAOC #4 would involve removal of approximately 10 tons of impacted soil at boring/well locations RIGP-06, RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D (followed by the reinstallation of wells RIMW-02, SB-MW-16, SB-MW-10 and RIBW-D) and the removal of a limited volume of groundwater from the area of wells RIMW-02, RIMW-04, RIMW-08, RIMW-17 and RIMW-D via a pump and treat system to reduce chemical concentrations. It is estimated three confirmation soil samples will be collected from each excavation for full site parameters. A 4 to 8 inch recovery well would be installed adjacent to each well location (i.e. RIMW-02, RIMW-04, RIMW-08, RIMW-17 and RIMW-D) and approximately 5,000 gallons of groundwater would be removed from each recovery well, treated, and discharged to the sewer under the proper municipal permitting. Groundwater would be monitored from wells RIMW-02, RIMW-04, RIMW-08, RIMW-17, and RIMW-D semi-annually for two years. It is assumed the spot soil removal coupled with the removal of impacted groundwater will reduce the overall concentrations of chemicals of concern at AOC #4.



Assessment

This alternative will be protective to human health and the environment because it will reduce potential exposure to subsurface impacts at the Site. SCGs will be met with this alternative as surface soil concentrations will meet Restricted Residential Use SCOs or be covered with a pavement layer. There is the potential that short term impacts may be encountered during the remedy due, but would be controlled by the Community Air Monitoring Plan and Health and Safety Plan. On-site toxicity, mobility, and volume of contaminated soil will be reduced because contaminated materials would be covered with a minimum of 2 feet of material that meets the SCGs or pavement, concrete, or similar material and source area impacts to groundwater will be reduced or remediated. In the short-term and long-term, this alternative will be effective by reducing exposure to subsurface impacted materials. This alternative would be feasible, with a moderate cost. This alternative would be consistent with land use as it will meet Restricted Residential Use criteria. This alternative is not considered “green” due to the contributions of impacted soil to landfills and increased truck traffic for hauling of materials from the Site and to the landfill and imported materials to the Site.

A detailed cost summary is included in Table 7.5.2.

Estimated Capital Cost	\$357,607
Estimated Annual Cost (Year 1-30)	\$75,000
Estimated Total Present Worth Cost.....	\$432,607

7.6 Alternative #4 Analysis for No Action

Alternative #4 analysis combines RAOC #1, RAOC #2, RAOC #3, and RAOC #4. This alternative would not be protective to human health and the environment because impacts would remain in place. This alternative would not be compliant with SCGs or consistent with Restricted Residential Use.

This alternative would not be effective in the short-term or long-term due to impacts being left in place with no engineering or institutional controls. This alternative would not reduce toxicity, mobility, and volume of contaminants. This alternative would be cost effective and easy to implement. In addition, it would not disturb Site operations. This alternative is not considered “green”.

There would be no additional cost for this Alternative.

8.0 COMPARITIVE EVALUATION OF ALTERNATIVE AND RECOMMENDED ACTIONS

Table 8.0A compares the remedial alternatives proposed for each RAOC and presents the recommended action for each RAOC. The total estimated cost for the proposed alternatives is included as Table 8.0B.

9.0 RECOMMENDED REMEDIAL ALTERNATIVES

Based on the results of the investigations at the Site a BCP Track 4, restricted use with generic soil cleanup objectives remedy, is proposed for the Site. The proposed remedial actions consist of the following.



- **RAOC #1 Alternative #2 - In-Situ Chemical Oxidation (As noted in Section 3.5 this alternative has been implemented)**
- **RAOC#2 Alternative #2 – Removal of Building Materials Containing Radiation (As noted in Section 3.5 this alternative has been implemented)**
- **RAOC #3 Alternative #2 – Removal of USTs and Associated Impacts to Soil (As noted in Section 3.5 this alternative has been implemented)**
- **RAOC #4 Alternative #2 – Site Cover System**

The elements of the remedy are summarized in Section 10.1 and 10.2.

9.1 Engineering Controls

The following selected alternatives require engineering controls:

RAOC #1 Alternative #2 - In-Situ Chemical Oxidation

- Sub-Slab Depressurization System to preclude infiltration of VOC vapors into the residential facility from impacted soil and groundwater that may remain beneath the building. Pressure field extension points will be installed beneath the first floor and basement slab were to confirm at each point that vacuum induced by the roof-mounted fans is sufficient to preclude the infiltration of sub-slab vapors into the residential facility. The SSDS has been installed with the exception of the fans, alarms, and manometer. Completion of the SSDS installation is expected to be during August 2020 and will be documented in the FER.
- Installation of treatment wells and piping beneath the first floor slab to apply ISCO chemical or potentially others into the subsurface beneath the building to reduce CVOCs in soil and groundwater. The treatments has been installed as of June 2020 and will be documented in a CCR.

RAOC#2 Alternative #2 – Removal of Building Materials Containing Radiation

None

RAOC #3 Alternative #2 – Removal of USTs and Associated Impacts to Soil

None

RAOC #4 Alternative #2 – Site Cover System

- A cover system will be placed and maintained to manage potential soil impacts in the top 2-ft. Any site redevelopment will maintain the site cover system, which will consist of 2-ft of clean imported stone and/or soil. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d). It should be noted that the areas of the Site not proposed for cover will have a cap (i.e., asphalt or concrete) or they have already been proven to meet Restricted Residential Use SCOs.

9.2 Institutional Controls (IC)

An IC in the form of an environmental easement for the controlled property which will:



- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH (note that groundwater in the Corning area is currently treated using air strippers); and
- require compliance with the Department approved SMP.

It should be noted the groundwater as a source of drinking water is prohibited in the City of Rochester.

9.3 Site Management Plan

A SMP is required which includes the following:

- a) An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: Environmental Easement

Engineering Controls: The engineering controls described in Section 9.1.

This plan includes, but may not be limited to:

- an Excavation Work Plan which details the provisions for management of future excavations in areas of remaining contamination that addresses soil/ fill and any groundwater that may be encountered;
 - descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
 - a provision for evaluation of the potential for soil vapor intrusion when future buildings are developed on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion approved by the Department prior to occupancy, such as an SSDS;
 - provisions for the management and inspection of the identified engineering controls;
 - maintaining site access controls and Department notification; and
 - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.
- a) A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
 - a schedule of monitoring and frequency of submittals to the Department;
 - monitoring of the SSDS, Site Cover System, and Groundwater, as may be required by the Institutional and Engineering Control Plan discussed above.



10.0 REMEDIAL ACTION WORK PLAN

This section describes the remedial actions to be performed in addition to the IRMs described in Section 5.0. The site status has been determined by the NYSDEC to be a positive significant threat to the public and the environment.

10.1 RAOC #4 Summary of Remedial Actions – Site Cover System

This section details the construction of the Site Cover System. The RI Report concluded (as discussed in Sections 3.0 and 4.0) that there are miscellaneous areas of low concentrations of subsurface impacts present above the SCGs. The source of soil and groundwater impacts for RAOC #4 appears to be from materials leftover from the demolition of buildings that once occupied the Site as well as potential on-Site disposal of materials associated with historical manufacturing activities at the Site. Although soil impacts exceed Unrestricted Use SCOs, they did not exceed Restricted Residential Use SCOs; however fill identified elsewhere on-Site may contain elevated levels of similar compounds.

This RAWP includes covering a portion of the Site with a cover system in the area shown on Figure 9 and as described below.

The cover system will consist of one of the following:

Existing Building Area

The current building shown on Figure 9 consists of a concrete slab across the entire building footprint including the basement space. The thickness of the concrete slab varies, but during development of the Site it was generally found to be approximately 6 inches thick. Fill material beneath the buildings consists of a variety of materials including pea gravel, 1 and 2 stone, and existing sand and gravel type material placed under the slab prior to the initiation of the BCP.

Exterior of Site

Exterior areas across the cover system shown on Figure 9 include asphalt, concrete, crusher run stone, and/or vegetative/landscape areas. The proposed Site Cover System is shown on Figure 9 and includes the majority of the exterior portion of the Site. The approximate top 2 feet of soil was removed and replaced with 2 feet #2 crusher run stone prior to placement of the final Site Cover System. The placement of the #2 crusher run stone meets the Restricted Residential Use cover requirements for the BCP. However, additional materials that include concrete, asphalt, and topsoil will be placed over the #2 crusher run stone material. The topsoil for the exterior vegetative areas will be installed in August and/or September 2020. The final site cover system will be documented in the FER.

Imported Materials: As required per DER-10, any imported material will be approved by NYSDEC Project Manager prior to import and placement in accordance with Section 10.1.1. The imported material consisted of stone that was exempt from testing per DER-10 Section 5.4 or imported clean fill tested per DER-10 Section 5.4. Importation of material used as part of the site cover was documented in a CRR and approved for importation by the NYSDEC. Any additional stone used will be documented in the FER. The importation of topsoil material will be documented in the FER.



A portion of the top 24 inches of the surface soil area adjacent to Roycroft Drive indicated it met the Restricted Residential Use SCOs and Protection of Groundwater SCOs. This area is shown on Figure 9 as the yellow hatched area and labeled with a call-out box as “SS-COMP-01 AREA”. As such, no cover system is depicted for this area. However imported topsoil that has been approved by the NYSDEC for importation will be placed over this area and vegetated as part of the site development work.

10.1.1 Imported Material Requirements

A NYSDEC Request to Reuse Fill or Soil form will be completed and provided to the NYSDEC for approval prior to importation and placement of all imported backfill material including topsoil.

Imported backfill material may not be sampled if it meets the exempt requirements in accordance with DER-10 Section 5.4(e)5.

Imported backfill material will be sampled in accordance with DER-10 Table 5.4(e)10. In addition the imported material will also be analyzed for 1,4-dioxane and polyfluorinated compounds (PFCs) as outlined below:

- a. Soil imported to a site for use in a soil cap, soil cover, or as backfill must be tested for 1,4-dioxane and PFAS contamination in general conformance with DER-10, Section 5.4(e). Soil samples must be analyzed for 1,4-dioxane using EPA Method 8270, as well as the full list of PFAS compounds (currently 21) using EPA Method 537.1 (modified).
- b. For 1,4-dioxane, soil exceeding 0.1 parts per million (ppm) shall be rejected per DER 10: Appendix 5 - Allowable Constituent Levels for Imported Fill or Soil, Subdivision 5.4(e).
- c. If PFOA or PFOS is detected in any sample at or above 1 parts per billion (ppb), then a soil sample must be tested by the Synthetic Precipitation Leaching Procedure (SPLP) and the leachate analyzed. If the SPLP results exceed 10 parts per trillion (ppt) for either a PFOA or PFOS, then the source of backfill shall be rejected. Category B deliverables are required for PFAS analysis.

The testing results must meet DER-10 Appendix 5 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) Restricted Residential Use.

11.0 HEALTH AND SAFETY AND COMMUNITY AIR MONITORING PLAN

A site-specific Health and Safety Plan (HASP) has been prepared for the field work described in this Work Plan. This HASP is included in Appendix 3. Also included in Appendix 3 is COVID-19 HASP. All LaBella personnel will be required to follow the procedures in the HASP. Subcontractors will have access to a copy of the HASP, however, they are responsible to provide their own safety procedures and monitoring for their own personnel.

The NYSDOH Generic Community Air Monitoring Plan (CAMP) and Fugitive Dust and Particulate Monitoring will be utilized for this RAWP and is included as Appendix 4. The CAMP describes required VOC vapor and particulate monitoring that will be conducted during intrusive Site investigation activities. The intent of this CAMP is to provide for a measure of protection of the downwind communities from potential airborne releases of constituents of concern during applicable remedial activities.



12.0 QUALITY CONTROL PLAN

Activities completed at the Site will be managed under LaBella's Quality Control Program, which is included in Appendix 5. Sampling will include the collection of a sample duplicate and a matrix spike/matrix spike duplicate (MS/MSD) as part of the quality assurance/quality control plan. In addition, a NYSDEC Analytical Services Protocol (ASP) Category B data deliverable will be generated by the laboratory and a data usability summary report (DUSR) will be developed. The DUSRs will include the laboratory data summary pages showing corrections made by the data validator and each page will be initialed by the data validator. The laboratory data summary pages will be included even if no changes were made.

13.0 WASTE STREAM TRACKING AND VERIFICATION

The following documentation will be kept in relation to waste streams:

- Correspondence from the facility accepting the waste stream
- Waste profiles
- Waste characterization sampling and analytical results
- Manifests
- Bills of lading
- Weight tickets

Applicable tracking information will be provided in the Final Engineering Report (FER) (See Section 17.0 for details).

14.0 TEMPORARY CONTROLS AND SITE SAFETY

Water mist and other suitable methods to limit the spread of dust, dirt and vapors/odors shall be used as deemed necessary by the guidelines provided in the CAMP (Appendix 4). The methods to control fugitive dust, dirt, and vapors/ odors may include one or more of the following:

- Wetting equipment and excavation faces.
- Spraying water on buckets during excavation and dumping.
- Reducing excavation sizes.
- Immediately placing any investigation-derived waste in drums and/or covering with plastic sheeting.
- Temporarily covering the excavation with poly sheeting overnight, if needed, based upon the readings obtained from the CAMP.
- Covering portions of the excavation not actively being worked with poly sheeting to further suppress particulate and vapor migration.
- Using vapor suppression products such as 'BioSolve,' if necessary, as a vapor mitigation agent.
- Providing and maintaining all equipment needed to control dust, vapors, and odors prior to starting the excavation.



The RAWP will consist of safely containing the project work area, maintaining traffic and access to the Site as needed to ensure public safety.

In order to protect pedestrians as well as Site workers from the hazards associated with completing the excavation work, appropriate precautionary measures will be taken to provide adequate safety measures. These safety measures will include (note: some of these measures may not be necessary for smaller excavations):

- Placing orange plastic construction/snow fencing or temporary chain link fencing around the work area to establish an exclusion zone.
- Establishing a contaminant reduction zone for personal decontamination (removal of personal protective equipment) and decontamination pad for equipment.
- Placing orange plastic construction/snow fencing around any excavation required to be left open overnight.
- Donning high visibility vests, hard hats, and safety glasses on-site during IRM activities.
- Adhering to the Site-specific Health & Safety Plan included in Appendix 3 of this RAWP.

15.0 DECONTAMINATION OF EQUIPMENT

The equipment for the excavation area is anticipated to contact only the impacted material with the excavator bucket. As such, the bucket will be decontaminated over the excavation (with brushes, shovels, and/or a power washer) and a decontamination pad is not anticipated to be necessary. However, in the event that a decontamination pad is required, the decontamination pad will be constructed in the work zone. The decontamination pad will consist of:

- Two layers of a minimum of 6-mil polyethylene sheeting at a minimum of ten feet in length by ten feet wide.
- A pressure washer available to rinse off equipment with a potable water source provided by the Applicant.
- Brooms, brushes, etc.

To prevent cross-contamination to surrounding areas, vehicles (excavators, drill rigs, etc.) and equipment that contact contaminated material will be decontaminated prior to leaving the exclusion zone (this includes when moving from one excavation area to another). Water will be containerized from the decontamination pad will be containerized in drums or a poly tank and disposed of in accordance with applicable regulations. Section 14.0 identifies information and documentation regarding waste stream tracking that will be obtained for inclusion into the FER.



16.0 REMAINING CONTAMINATION

The nature and extent of contamination is summarized in Section 4.2.

Remaining contamination that is anticipated to remain subsequent to the remedial work at the Site is detailed below and refers to soil impacts above Unrestricted Use SCOs, Protection of Groundwater SCOs, and Restricted Residential Use SCOs; and groundwater impacts above Part 703 Groundwater Standards or NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 values. Additionally PFAS samples have been compared to values put forth in the January 2020 NYSDEC Guidelines for Sampling and Analysis of PFAS.

All remaining contamination will be managed as part of a NYSDEC approved SMP.

16.1 Soil

Remaining contamination in soil is summarized on Tables 16.1A (VOCs), 16.1B (SVOCs), 16.1C (metals), 16.1D (pesticides) and 16.1E (PFAS) and summarized on Figure 10.

AOC #1

CVOC impacts in soil above Unrestricted Use, Protection of Groundwater, and Restricted Residential SCOs have been identified in soil beneath the southern and eastern portions of the Site building, north of the Site building and off-site in the right-of-way just south of the Site building. Depths of detections above Unrestricted Use SCOs ranged from 6-ft bgs to 26.9-ft bgs with the highest impacts generally around 10-ft to 14-ft bgs or on top of bedrock within the footprint of the Site building. The source area of contamination appears to be located beneath the southwestern quadrant of the Site building in the general location of RIBW-A, RIMW-18 and RIMW-17. It should be noted that an active sewer line is located immediately north of the Site building at approximately 8-ft bgs.

Contaminants concentrations remained below Restricted Residential SCOs throughout the Site with the exception of TCE in two soil samples collected from RIBW-A at depths of 10.5-ft bgs (98 ppm) and 21.2-ft bgs (27 ppm in sample and 32 ppm in duplicate). Several samples collected from RIBW-A indicate the vertical extent of soil impacts range from approximately 6.5-ft bgs to the top of bedrock around approximately 21.5-ft bgs.

Only one of the off-Site investigation locations identified CVOCs above applicable soil clean up objectives. Specifically, TCE was detected in SB-08 (0.495 ppm) above Unrestricted Use and Protection of Groundwater SCOs. SB-08 is located in the right-of-way just south of the southeastern corner of the Site building.

Note that the samples discussed in this section were collected prior to ISCO treatment in March 2020. CVOC impacts to soil in this area of the Site have likely decreased since the injection of sodium permanganate. The approximate extent of the overburden treatment area is shown on Figure 6A.



AOC #3

Remaining petroleum contaminated soil is located at boring location RIGP-11 and confirmatory soil sample location SW-NORTH-G-071420 which are in the vicinity of the former UST ("Northern UST"). Contaminants were located at 12.5-ft bgs (in RIGP-11 and at 8.5-ft bgs in the north sidewall confirmatory sample collected during the removal of the Northern UST. Several compounds remain at concentrations above Unrestricted Use SCOs, but remain below Restricted Residential Use SCOs including 1,3,5-trimethylbenzene, benzene, ethylbenzene, n-propylbenzene, p/m-xylene and toluene. The contaminant 1,2,4-trimethylbenzene was detected in sample RIGP-11 (78 ppm) and SW-NORTH-G-071420 (130 ppm) exceeding Restricted Residential Use SCOs. Additionally, naphthalene was detected in SW-NORTH-G-071420 (170 ppm) as a VOC exceeding Restricted Residential Use SCOs. It should be noted that naphthalene was also detected in the SVOC analysis in SW-NORTH-G-071420 at 34 ppm exceeding Unrestricted Use SCOs but remaining below Restricted Residential Use SCOs.

AOC #4

Acetone was identified above Unrestricted Use SCOs in a confirmatory sample designated as TANK-NORTH-122019 collected at a depth of 8-ft bgs following the removal of the Southern UST (formerly located immediately east of the Site building). In addition, lead (metal) and 4,4'-DDT (pesticide) have been identified from 2-ft to 5-ft bgs above Unrestricted Use SCOs at RIGP-06 that are likely related to fill material identified in the soil.

16.2 Groundwater

Remaining groundwater contamination that is anticipated to remain subsequent to the remedial work at the Site is summarized on Tables 16.2A (VOCs), 16.2B (SVOCs), 16.2C (Metals), 16.2D (PCBs) and 16.2E (PFAS). In addition, Figures 11A (VOCs only) and 11B summarize the remaining impacts in groundwater above Part 703 Groundwater Standards or NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 values.

Several wells were destroyed during development of the Site or decommissioned as part of IRM activities. It should be noted that VOC sample data for wells that were decommissioned prior to the application of sodium permanganate within the treatment area (shown on Figure 11A), is included in the remaining contamination tables for information purposes, but omitted from Figure 11A.

AOC #1

CVOCs including PCE, TCE, and cis-1,2-DCE are present in the overburden and bedrock groundwater at the Site at elevated concentrations. Additional CVOCs including vinyl chloride, trans-1,2-dichloroethene and 1,1-dichloroethene are also present at concentrations above applicable standards however are generally lower in concentration and less common than PCE, TCE and cis-1,2-DCE.

Although ISCO treatment has reduced maximum concentrations, TCE, PCE and cis-1,2-dichloroethene remain in overburden groundwater at concentrations up to 89,000 ppb (SB-MW-14), 1,700 ppb (SB-MW-14) and 200 ppb (SB-MW-15), respectively based on the most recent data collected from wells following groundwater treatment within AOC #1. The approximate extent of the overburden treatment area is shown on Figure 7A. Well SB-MW-14 is located immediately south of the source/treatment area and well SB-MW-14 is located downgradient to the east of the source/treatment area. TCE, PCE and cis-1,2-dichloroethene remains in bedrock groundwater at concentrations up to 6,000 ppb (duplicate sample for BW-01), 15 ppb (duplicate sample for BW-01) and 2,800 ppb (BW-03).



Horizontally, CVOC contamination appears to be migrating from the source area located beneath the southwestern quadrant of the Site building to the south and northwest based on data collected from the wells located off-Site within the Hudson Avenue and Avenue D right-of-ways. The groundwater contamination in the overburden groundwater and bedrock groundwater both appear to be moving with the general direction of groundwater flow to the northwest.

AOC #3

Petroleum related compounds in groundwater remaining at the Site above applicable standards include benzene, p/m-xylene, naphthalene, ethylbenzene, n-propylbenzene, p-isopropyltoluene, sec-butylbenzene, 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene. Petroleum impacts are generally located in the following separate discrete locations which include the northwestern quadrant of the Site building, immediately east of the Site building near a former UST ("Southern UST") and former ASTs, and in the northeast corner of the Site near the location of a former UST ("Northern UST"). Concentrations of individual petroleum related compound in overburden groundwater range from 1.1 ppb (benzene in RIMW-14) to 67.8 ppb (1,2,4-trimethylbenzene in SB-MW-04). Additionally, benzene remains in bedrock groundwater in wells RIBW-B (1.4 ppb), RIBW-C (7 ppb) and BW-02 (2.3 ppb).

AOC #4

Several miscellaneous contaminants were detected in discrete locations in groundwater that remain at the Site. The remaining contaminations include VOCs, SVOCs, metals, PCBs and PFAS and are described in more detail below.

VOCs including chloroform, 2-butanone remain in overburden groundwater locations SB-MW-10 and SB-MW-12, respectively, at concentrations exceeding groundwater standards. The compounds were only detected in one location and therefore are not widespread. Acetone was detected in the nested overburden/bedrock groundwater wells RIMW-19S and RIMW-19D as wells as bedrock groundwater at BW-02.

SVOCs including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene were detected in overburden groundwater in RIMW-17 at concentrations ranging from 0.04 ppb to 0.22 ppb. The presence of PAHs in water may be a result of historical manufacturing or due to elevated turbidity during sampling given their very low solubility in water. RIMW-17 is located in the southwestern portion of the Site building. Additionally naphthalene was detected at 11 ppb overburden groundwater in the duplicate sample for RIMW-11 located in the northeastern portion of the Site near the location of the former UST ("Northern UST").

Several metals were detected at concentrations above applicable standards in samples RIMW-08, RIMW-11, RIMW-12 and RIMW-17 located in the southeast corner of the Site, northeastern portion of the Site, northeastern portion of the Site building and southeastern portion of the Site building, respectively. Concentrations were attributed to turbidity in samples collected during the RI and likely not representative of actual groundwater concentrations.

Total PCBs (0.185 ppb) consisting of aroclors 1254 and 1260 were detected in overburden groundwater at RIMW-08 located in the southeastern corner of the Site exceeding applicable groundwater standards.

PFAS concentrations remain in overburden groundwater exceeding the NYSDEC Guidelines for Sampling and Analysis of PFAS remaining at RIMW-11. PFOA (11.9 ppt) and PFOS (10.7 ppt) were both detected exceeding the 10 ppt standard for the compounds and PFBA was detected above the 100 ppt value set for all other PFAS. RIMW-11 is located in the northeastern portion of the Site in the same area where surface soil samples detected low levels of PFAS.



16.3 Soil Gas

Although there are currently no comparison criteria for soil gas, it should be noted that VOCs were detected above laboratory MDLs in the soil gas samples located along the perimeter of the Site that were sampled as part of the RI. Soil gas sample results are summarized on Table 16.3 (attached).

16.4 Building Materials Containing Radiation

All elevated building materials containing elevated radioactivity have been remediated (i.e. removed from the Site) in accordance with the NYSDEC approved IRM.

17.0 REPORTING

Final Engineering Report

The information and laboratory analytical data obtained during the remedy will be included in the FER. The FER will be completed in accordance with DER-10 and the NYSDEC currently template.

Site Management Plan/Institutional Controls

The remedy for the Site assumes that a SMP will be utilized for long-term management of the residual impacts at the Site. The SMP will be completed in accordance with DER-10 and the NYSDEC currently template.

18.0 SCHEDULE

The Site cover system will be installed as part of the Site development activities. Site development activities are anticipated to be completed in October 2020.



TABLES

Table 3.4 - PFAS SPLP Testing Results

Remedial Alternatives Analysis and Remedial Action Work Plan
 Former Wollensack Optical
 872 & 886 Hudson Avenue, Rochester, NY
 NYSDEC BCP Site #C828209

SAMPLE ID:	NYSDEC Guidelines for Sampling and Analysis of PFAS	20200117-PFAAS	
SAMPLE LOCATION:		SS-COMP-01	
COLLECTION DATE:		1/17/2020	
SAMPLE DEPTH (IN):		0-2"	
SAMPLE TYPE:		COMPOSITE	
ANALYTE	(ng/kg)	RESULT	
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NA	1.03	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	NA	0.386	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NA	1.14	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	0.686	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	0.553	U
Perfluorobutanesulfonic Acid (PFBS)	NA	0.203	U
Perfluorobutanoic Acid (PFBA)	NA	1.17	J
Perfluorodecanesulfonic Acid (PFDS)	NA	0.836	U
Perfluorodecanoic Acid (PFDA)	NA	0.259	U
Perfluorododecanoic Acid (PFDoA)	NA	0.317	U
Perfluoroheptanesulfonic Acid (PFHpS)	NA	0.587	U
Perfluoroheptanoic Acid (PFHpA)	NA	0.444	J
Perfluorohexanesulfonic Acid (PFHxS)	NA	0.321	U
Perfluorohexanoic Acid (PFHxA)	NA	0.628	J
Perfluorononanesulfonic Acid (PFNS)	NA	0.956	U
Perfluorononanoic Acid (PFNA)	NA	0.522	J
Perfluorooctanesulfonamide (FOSA)	NA	0.519	J
Perfluorooctanesulfonic Acid (PFOS)	70	15.1	
Perfluorooctanoic Acid (PFOA)	70	2.2	
Perfluoropentanesulfonic Acid (PFPeS)	NA	0.209	U
Perfluoropentanoic Acid (PFPeA)	NA	0.754	J
Perfluorotetradecanoic Acid (PFTA)	NA	0.212	U
Perfluorotridecanoic Acid (PFTrDA)	NA	0.279	U
Perfluoroundecanoic Acid (PFUnA)	NA	0.222	U
PFAS, Total	NA	18.3	J
PFOA/PFOS, Total	70	17.3	

Notes:

All values are displayed in micrograms per liter (ug/L) or parts per trillion (ppt)

BOLD values indicated the compound was detected at a concentration above the laboratory method detection limit (MDL)

RED values exceed limits in the NYSDEC Guidelines for Sampling and Analysis of PFAS

Qualifiers are described below:

U - indicates the compound was not detected above the laboratory MDL.

J - indicates the compound was detected above the MDL but below the laboratory reporting limit; the value is considered estimated

Table 7.1

Estimated Remedial Cost

Alternative #1 - Unrestricted Cleanup

RAOC #1, #2, #3, and #4



Capital Cost	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 25,000	\$ 25,000
Removal and Disposal of Radioactive Materials	Lump Sum	1	\$ 15,000	\$ 15,000
Tank Closures	Lump Sum	1	\$ 12,000	\$ 12,000
Building and underground utilities demolition	Lump Sum	1	\$ 1,000,000	\$ 1,000,000
Shoring of excavations	Lump Sum	1	\$ 200,000	\$ 200,000
Transportation and disposal of non-hazardous soil	Ton	28,000	\$ 50	\$ 1,400,000
Removal and Disposal of Impacted Bedrock	Lump Sum	1	\$ 500,000	\$ 500,000
Dewatering groundwater to tanks, treatment, discharge	Gallon	500,000	\$ 0.50	\$ 250,000
Backfill and Place Clean Imported Material	Ton	28,000	\$ 22	\$ 616,000
Installation of Monitoring Wells	Each	9	\$ 1,500	\$ 13,500
Tax (8%)	Percent	4,031,500	8%	\$ 322,520
<i>Professional Services</i>				
Project Management/Coordination	Hour	400	\$ 125	\$ 50,000
Field Oversight and Air Monitoring	Day	200	\$ 850	\$ 170,000
Groundwater Sampling	Day	4	\$ 850	\$ 3,400
Monitoring Equipment	Day	200	\$ 1,000	\$ 200,000
<i>Analytical</i>				
Documentation Samples (90 for Full Suite)	Each	60	\$ 450	\$ 27,000
DUSRs	Sample	60	\$ 30	\$ 1,800
EDD Submittals	Each	4	\$ 750	\$ 3,000
Waste Characterization Sample	Each	30	\$ 750	\$ 22,500
<i>Contingency (15%)</i>				\$ 730,908
Total Capital Cost				\$ 5,603,628

Operation and Maintenance

No annual monitoring cost applicable.

<u>Annual Cost</u>	<u>Present Worth</u>
\$ -	\$ -

Total Estimated Present Worth Cost \$ 5,603,628

Table 7.2.1

Estimated Remedial Cost

RAOC #1 Alternative #2 - In-Situ Chemical Oxidation
Track 4 Cleanup



<u>Capital Cost</u>	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 5,000	\$ 5,000
Install Injection Wells	Lump Sum	1	\$ 70,000	\$ 70,000
Install Subgrade Piping Injection System	Lump Sum	1	\$ 40,000	\$ 40,000
ISCO, Sodium Permanganate for 3 Rounds of Injection	Pound	16,200	\$ 3	\$ 40,500
Apply Sodium Permanganate	Each	3	\$ 12,000	\$ 36,000
Secured Storage for Sodium Permanganate	Lump Sum	3	\$ 5,000	\$ 15,000
Installation of SSDS	Lump Sum	1	\$ 40,000	\$ 40,000
Tax (8%)	Percent	246,500	8%	\$ 19,720
<i>Professional Services</i>				
Project Management/Coordination	Hour	100	\$ 125	\$ 12,500
Field Oversight of Treatment System Install	Day	60	\$ 850	\$ 51,000
Field Oversight During Injections	Day	30	\$ 850	\$ 25,500
Groundwater Sampling	Day	9	\$ 850	\$ 7,650
Monitoring Equipment	Day	50	\$ 1,000	\$ 50,000
<i>Analytical</i>				
Groundwater Sample for VOC + QA/QC	Each	36	\$ 90	\$ 3,240
DUSRs	Sample	36	\$ 30	\$ 1,080
EDD Submittals	Each	3	\$ 750	\$ 2,250
Waste Characterization Sample	Each	2	\$ 750	\$ 1,500
			Contingency (15%)	\$ 69,291
			Total Capital Cost	\$ 531,231
 <u>Operation and Maintenance</u>				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-2 (Quarterly Monitoring)</u>				
Groundwater Sampling and SSDS Monitoring			\$ 20,000	
Groundwater Sample, DUSR, EDD			\$ 17,440	
<u>Years 2-4 (Semi-Annual Monitoring)</u>				
Groundwater Sampling and SSDS Monitoring			\$ 15,000	
Groundwater Sample, DUSR, EDD			\$ 13,080	
<u>Years 5-30 (Annual Monitoring)</u>				
Groundwater Sampling and SSDS Monitoring			\$ 24,000	
Groundwater Sample, DUSR, EDD			\$ 16,320	
<u>Annual Reporting Years 1-30</u>			\$ 54,000	
Total Annual Cost Years -30			\$ 159,840	\$ 159,840
Total Estimated Present Worth Cost				\$ 691,071

Table 7.2.2

Estimated Remedial Cost

**RAOC #1 Alternative #3 - Monitored Natural Attenuation
Track 4 Cleanup**



<u>Capital Cost</u>	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	0	\$ 750	-
Meetings and Project Management	Lump Sum	0	\$ 8,000	-
<i>Subcontractor Fees</i>				
Installation of SSDS	Lump Sum	1	\$ 40,000	\$ 40,000
Tax (8%)	Percent	40,000	8%	\$ 3,200
<i>Professional Services</i>				
Project Management/Coordination	Hour	20	\$ 125	\$ 2,500
Field Oversight of Treatment System Install	Day	15	\$ 850	\$ 12,750
Monitoring Equipment	Day	15	\$ 1,000	\$ 15,000
<i>Analytical</i>				
Waste Characterization Sample	Each	1	\$ 750	\$ 750
			Contingency (15%)	\$ 14,730
			Total Capital Cost	\$ 112,930
 <u>Operation and Maintenance</u>				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-5 (Semi-Annual Sampling)</u>				
Groundwater Sampling			\$ 5,100	
Annual Reporting			\$ 2,500	
Sampling Equipment			\$ 1,500	
Groundwater Sample, DUSR			\$ 8,000	
		Total Annual Cost Years 1-5	\$ 17,100	\$ 85,500
<u>Years 6-30 (Annual Sampling)</u>				
Groundwater Sampling			\$ 5,100	
Annual Reporting			\$ 2,500	
Sampling Equipment			\$ 750	
Groundwater Sample, DUSR			\$ 1,440	
		Total Annual Cost Years 6-30	\$ 9,790	\$ 244,750
Total Estimated Present Worth Cost				\$ 443,180

Table 7.3.1

Estimated Remedial Cost

RAOC #2 Alternative #2 - Removal of Building Materials Containing Radiation
Track 4 Cleanup



<u>Capital Cost</u>	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	1	\$ 750	\$ 750
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Removal and Disposal of Elevated Radiation Materials	Lump Sum	1	\$ 15,000	\$ 15,000
Tax (8%)	Percent	15,000	8%	\$ 1,200
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
Field Oversight of Treatment System Install	Day	5	\$ 850	\$ 4,250
Monitoring Equipment	Day	5	\$ 1,000	\$ 5,000
Total Capital Cost				\$ 59,450

Operation and MaintenanceAnnual CostPresent Worth*Professional Services*

No Annual Monitoring or Reporting Required

\$ 2,500

Total Annual Cost Years 1-30 \$ - \$ -

Total Estimated Present Worth Cost **\$ 59,450**

Table 7.3.2

Estimated Remedial Cost

RAOC #2 Alternative #3 - Encapsulation of Building Materials Containing Radiation
Track 4 Cleanup



<u>Capital Cost</u>	<u>Unit</u>	<u>Amount</u>	<u>Unit Rate</u>	<u>Subtotal</u>
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	1	\$ 750	\$ 750
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment	Lump Sum	1	\$ 2,500	\$ 2,500
Decon Surrounding area for Radiation	Lump Sum	1	\$ 1,000	\$ 1,000
Encapsulate Building Materials	Lump Sum	1	\$ 5,000	\$ 5,000
Measure Radiation After Encapsulation	Lump Sum	1	\$ 1,000	\$ 1,000
Tax (8%)	Percent	9,500	8%	\$ 760
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
Field Oversight of Encapsulation Work	Day	5	\$ 850	\$ 4,250
Monitoring Equipment	Day	5	\$ 1,000	\$ 5,000
			Contingency (15%)	\$ 8,027
			Total Capital Cost	\$ 61,537
 <u>Operation and Maintenance</u>				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-30</u>				
<i>Professional Services</i>				
Annual Reporting and Inspection of Encapsulation of Radioactive Material			\$ 2,500	
		Total Annual Cost Years 1-30	\$ 2,500	\$ 75,000
Total Estimated Present Worth Cost				\$ 136,537

Table 7.4.1

Estimated Remedial Cost

**RAOC #3 Alternative #2 - Removal of USTs and Associated Impacts to Soil
Track 4 Cleanup**



<u>Capital Cost</u>	<u>Unit</u>	<u>Amount</u>	<u>Unit Rate</u>	<u>Subtotal</u>
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 1,500	\$ 1,500
Close and Remove USTs	Lump Sum	1	\$ 4,000	\$ 4,000
Excavate and Load Impacted Soil For Disposal	Day	2	\$ 2,500	\$ 5,000
Backfill and Place NYSDEC Approved Imported Material	Day	1	\$ 2,500	\$ 2,500
Transportation and disposal of non-hazardous soil	Ton	50	\$ 50	\$ 2,500
Supply NYSDEC Approved Backfill Material	Ton	50	\$ 18	\$ 900
Tax (8%)	Percent	16,400	8%	\$ 1,312
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
Field Oversight of Tank and Impacted Soil Removal	Day	5	\$ 850	\$ 4,250
Monitoring Equipment	Day	5	\$ 1,000	\$ 5,000
<i>Analytical</i>				
Confirmatory Soil Sample for VOC and SVOC + QA/QC	Each	15	\$ 225	\$ 3,375
DUSRs	Sample	15	\$ 30	\$ 450
EDD Submittals	Each	1	\$ 750	\$ 750
Waste Characterization Sample	Each	2	\$ 750	\$ 1,500
		Contingency (15%)		\$ 11,293
		Total Capital Cost		\$ 86,580
<u>Operation and Maintenance</u>			<u>Annual Cost</u>	<u>Present Worth</u>
No annual monitoring required			\$ -	
Total Annual Cost Years 1-30			\$ -	\$ -
Total Estimated Present Worth Cost			\$	86,580

Table 7.4.2

Estimated Remedial Cost

**RAOC #3 Alternative #3 - Closure of USTs In-Place
Track 4 Cleanup**



<u>Capital Cost</u>	<u>Unit</u>	<u>Amount</u>	<u>Unit Rate</u>	<u>Subtotal</u>
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 1,500	\$ 1,500
Closure USTs In Place	Lump Sum	1	\$ 4,000	\$ 4,000
Flowable Fill	Cubic Yard	9	\$ 125	\$ 1,125
Tax (8%)	Percent	6,625	8%	\$ 530
<i>Professional Services</i>				
Project Management/Coordination	Hour	4	\$ 125	\$ 500
Field Oversight of Tank and Impacted Soil Removal	Day	1	\$ 850	\$ 850
Monitoring Equipment	Day	1	\$ 1,000	\$ 1,000
			Contingency (15%)	\$ 7,576
			Total Capital Cost	\$ 58,081
 <u>Operation and Maintenance</u>				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-30</u>				
Annual Reporting to NYSDEC			\$ 2,500	
			Total Annual Cost Years 1-30	\$ 75,000
Total Estimated Present Worth Cost				\$ 133,081

Table 7.5.1

Estimated Remedial Cost

RAOC #4 Alternative #2 - Site Cover System

Track 4 Cleanup



<u>Capital Cost</u>	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 5,000	\$ 5,000
Import 2' of Crusher Run Stone	Ton	1,400	\$ 18	\$ 25,200
Provide and Install Asphalt	Square Foot	10,500	\$ 5	\$ 52,500
Place Crusher Run Stone	Day	8	\$ 2,500	\$ 20,000
Tax (8%)	Percent	102,700	8%	\$ 8,216
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
			Contingency (15%)	\$ 22,975
			Total Capital Cost	\$ 176,141
 <u>Operation and Maintenance</u>				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-30</u>				
Annual Reporting and Site Inspection of Cover System			\$ 2,500	
			Total Annual Cost Years 1-30	\$ 75,000
 Total Estimated Present Worth Cost				\$ 251,141

Table 7.5.2

Estimated Remedial Cost

RAOC #4 Alternative #3 - Soil Reoval and Ex Situ Groundwater Treatment and Site Cover System
Track 4 Cleanup



<u>Capital Cost</u>	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 5,000	\$ 5,000
Cut, remove and dispose of concrete in basement	Day	2	\$ 2,500	\$ 5,000
Excavate and stage impacted soil	Day	4	\$ 2,500	\$ 10,000
Transport and dispose of impacted soil as non-hazardous	Ton	50	\$ 50	\$ 2,500
Import and place #2 cruher run stone	Ton	50	\$ 25	\$ 1,250
Restore basement concrete	Lump Sum	1	\$ 1,500	\$ 1,500
Import 2' of Crusher Run Stone	Ton	1,400	\$ 18	\$ 25,200
Provide and Install Asphalt	Square Foot	10,500	\$ 5	\$ 52,500
Place Crusher Run Stone	Day	8	\$ 2,500	\$ 20,000
Install Recovery Well	Each	5	\$ 2,000	\$ 10,000
Pump and Treat Groundwater	Gallon	25,000	\$ 2	\$ 50,000
Treatment System	Lump Sum	1	\$ 10,000	\$ 10,000
Holding Tanks	Lump Sum	2	\$ 10,000	\$ 20,000
Sewer Permit	Lump Sum	1	\$ 125	\$ 125
Tax (8%)	Percent	213,075	8%	\$ 17,046
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
Field Oversight of soil and groundwater removal	Day	10	\$ 850	\$ 8,500
Groundwater Sampling	Day	8	\$ 850	\$ 6,800
Monitoring Equipment	Day	8	\$ 1,000	\$ 8,000
<i>Analytical</i>				
Groundwater Sample Full Suite	Each	16	\$ 500	\$ 8,000
Confirmation Sample	Each	15	\$ 500	\$ 7,500
DUSRs	Sample	36	\$ 30	\$ 1,080
EDD Submittals	Each	3	\$ 750	\$ 2,250
Waste Characterization Samples	Each	3	\$ 750	\$ 2,250
		Contingency (15%)		\$ 40,856
		Total Capital Cost		\$ 357,607
 Operation and Maintenance				
			<u>Annual Cost</u>	<u>Present Worth</u>
<u>Years 1-30</u>				
Annual Reporting			\$ 2,500	
		Total Annual Cost Years 1-30	\$ 2,500	\$ 75,000
		Total Estimated Present Worth Cost		\$ 432,607

TABLE 8.0A

Comparison of Remedial Alternatives and Selection Criteria



Alternatives	Protection of Human Health and the Environment	Compliance with SCGs	Reduction of Toxicity, Mobility, or Volume	Long Term Effectiveness	Ease of Implementation	Cost Effective	Appropriate Based on Future Anticipated Land Use	Green
RAOC #1 -CVOC Impacts								
Alternative #1: Unrestricted Use Track 1 Cleanup	X	X	X	X			X	
Alternative #2: In-Situ Chemical Oxidation	X	X	X	X	X	X	X	X
Alternative #3: Monitored Natural Attenuation		X	X		X	X	X	X
Alternative 4 - No Action					X	X	X	X
RAOC #2 -Building Materials Containing Radiation								
Alternative #1: Unrestricted Use Track 1 Cleanup	X	X	X	X			X	
Alternative #2: In-Situ Chemical Oxidation	X	X	X	X	X	X	X	
Alternative #3: Removal of Building Materials Containing Radiation	X	X	X		X	X	X	
Alternative 4 - No Action					X	X	X	X
RAOC #3 - USTs and Petroleum Related Impacts								
Alternative #1: Unrestricted Use Track 1 Cleanup	X	X	X	X			X	
Alternative #2: Removal of USTs and Associated Impacted Soil	X	X	X	X	X	X	X	
Alternative #3: Closure of USTs In Place	X	X			X	X	X	X
Alternative 4 - No Action					X	X	X	X
RAOC #4 - Miscellaneous Discrete Subsurface Impacts								
Alternative #1: Unrestricted Use Track 1 Cleanup	X	X	X	X			X	
Alternative #2: Site Cover System	X	X	X	X	X	X	X	X
Alternative #3: Ex-Situ Groundwater Treatment and Site Cover System	X	X	X	X	X		X	
Alternative 4 - No Action					X	X	X	X

NOTE: Green shading denotes selected alternative

Table 8.0B
Total Estimated Cost Summary
Restricted Residential Track 4 Cleanup



Capital Cost	Unit	Amount	Unit Rate	Subtotal
<i>Reporting</i>				
Remedial Action Work Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Site Management Plan	Lump Sum	1	\$ 8,000	\$ 8,000
Final Engineering Report	Lump Sum	1	\$ 8,000	\$ 8,000
Monthly Progress Reports (12)	Each	12	\$ 750	\$ 9,000
Meetings and Project Management	Lump Sum	1	\$ 8,000	\$ 8,000
Total Capital Cost				\$ 41,000

RAOC #1 Alternative #2 - In-Situ Chemical Oxidation

<i>Subcontractor Fees</i>				
Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$ 5,000	\$ 5,000
Install Injection Wells	Lump Sum	1	\$ 70,000	\$ 70,000
Install Subgrade Piping Injection System	Lump Sum	1	\$ 40,000	\$ 40,000
ISCO, Sodium Permanganate for 3 Rounds of Injection	Pound	16,200	\$ 3	\$ 40,500
Apply Sodium Permanganate	Each	3	\$ 12,000	\$ 36,000
Secured Storage for Sodium Permanganate	Lump Sum	3	\$ 5,000	\$ 15,000
Installation of SSDS	Lump Sum	1	\$ 40,000	\$ 40,000
Tax (8%)	Percent	246,500	8%	\$ 19,720
<i>Professional Services</i>				
Project Management/Coordination	Hour	100	\$ 125	\$ 12,500
Field Oversight of Treatment System Install	Day	60	\$ 850	\$ 51,000
Field Oversight During Injections	Day	30	\$ 850	\$ 25,500
Groundwater Sampling	Day	9	\$ 850	\$ 7,650
Monitoring Equipment	Day	50	\$ 1,000	\$ 50,000
<i>Analytical</i>				
Groundwater Sample for VOC + QA/QC	Each	36	\$ 90	\$ 3,240
DUSRs	Sample	36	\$ 30	\$ 1,080
EDD Submittals	Each	3	\$ 750	\$ 2,250
Waste Characterization Sample	Each	2	\$ 750	\$ 1,500
Contingency (15%)				\$ 63,141
Total Capital Cost				\$ 484,081

RAOC #2 Alternative #2 - Removal of Building Materials Containing Radiation

<i>Subcontractor Fees</i>				
Removal and Disposal of Elevated Radiation Materials	Lump Sum	1	\$ 15,000	\$ 15,000
Tax (8%)	Percent	15,000	8%	\$ 1,200
<i>Professional Services</i>				
Project Management/Coordination	Hour	10	\$ 125	\$ 1,250
Field Oversight of Treatment System Install	Day	5	\$ 850	\$ 4,250
Monitoring Equipment	Day	5	\$ 1,000	\$ 5,000
Contingency (15%)				\$ 4,005
Total Capital Cost				\$ 30,705

Table 8.0B (continued)
Total Estimated Cost Summary
Restricted Residential Track 4 Cleanup



RAOC #3 Alternative #2 - Removal of USTs and Associated Impacts to Soil

Subcontractor Fees

Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$	1,500	\$	1,500
Close and Remove USTs	Lump Sum	1	\$	4,000	\$	4,000
Excavate and Load Impacted Soil For Disposal	Day	2	\$	2,500	\$	5,000
Backfill and Place NYSDEC Approved Imported Material	Day	1	\$	2,500	\$	2,500
Transportation and disposal of non-hazardous soil	Ton	50	\$	50	\$	2,500
Supply NYSDEC Approved Backfill Material	Ton	50	\$	18	\$	900
Tax (8%)	Percent	16,400		8%	\$	1,312

Professional Services

Project Management/Coordination	Hour	10	\$	125	\$	1,250
Field Oversight of Tank and Impacted Soil Removal	Day	5	\$	850	\$	4,250
Monitoring Equipment	Day	5	\$	1,000	\$	5,000

Analytical

Confirmatory Soil Sample for VOC and SVOC + QA/QC	Each	15	\$	225	\$	3,375
DUSRs	Sample	15	\$	30	\$	450
EDD Submittals	Each	1	\$	750	\$	750
Waste Characterization Sample	Each	2	\$	750	\$	1,500
				Contingency (15%)	\$	5,143
				Total Capital Cost	\$	39,430

RAOC #4 Alternative #2 - Site Cover System

Subcontractor Fees

Mob/Demob/Equipment and Labor/Dust Suppression	Lump Sum	1	\$	5,000	\$	5,000
Import 2' of Crusher Run Stone	Ton	1,400	\$	18	\$	25,200
Provide and Install Asphalt	Square Foot	10,500	\$	5	\$	52,500
Place Crusher Run Stone	Day	8	\$	2,500	\$	20,000
Tax (8%)	Percent	102,700		8%	\$	8,216

Professional Services

Project Management/Coordination	Hour	10	\$	125	\$	1,250
				Contingency (15%)	\$	16,825
				Total Capital Cost	\$	128,991

Operation and Maintenance for RAOC #1, RAOC #2, RAOC #3, and RAOC #4

Years 1-5

Groundwater Sampling, SSDS Monitoring , Site Inspection	\$	25,000		
Annual Reporting	\$	12,500		
Groundwater Sample, DUSR, EDD	\$	21,800		
Total Annual Cost Years 1-5	\$	59,300	\$	177,900

Years 6-30

Groundwater Sampling, SSDS Monitoring , Site Inspection	\$	1,500		
Annual Reporting	\$	2,500		
Groundwater Sample, DUSR, EDD	\$	1,020		
Total Annual Cost Years 5-30	\$	5,020	\$	150,600

Total Estimated Present Worth Cost \$ 1,052,707

Table 16.1A
 RAA/RAWP
 Former Wollensack Optical - C828209
 872 & 886 Hudson Avenue, Rochester, New York
 Remaining Soil Contamination: VOCs
 LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-08	SB-16	RIGP-02	BLIND DUPLICATE-01 (RIGP-02)	RIGP-06	RIGP-07	RIGP-11
Sample Depth (ft bgs)				13	8	6-6.5	6-6.5	19.5	18.5	12.5
Sample Date				6/26/2018	7/16/2018	6/5/2019	6/5/2019	6/19/2019	6/19/2019	6/19/2019
Volatile organic compounds										
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00559 U	0.00557 U	0.015 U	0.014 U	0.016 U	0.014 U	78
1,3,5-Trimethylbenzene	8.4	52	8.4	0.00559 U	0.00557 U	0.0085 U	0.0083 U	0.0091 U	0.0079 U	20
cis-1,2-Dichloroethene	0.25	100	0.25	0.00279 U	0.00896	0.34	0.320	0.016 J	0.026 J	0.19 U
Ethylbenzene	1	41	1	0.00279 U	0.00279 U	0.0062 U	0.0061 U	0.0066 U	0.0058 U	4.5
n-Propylbenzene	3.9	100	3.9	0.00559 U	0.00557 U	0.0075 U	0.0074 U	0.0081 U	0.007 U	5.7
p/m-Xylene	0.26	100	1.6	0.00447 U	0.00446 U	0.025 U	0.024 U	0.026 U	0.023 U	22
Trichloroethene	0.47	21	0.47	0.495	0.605	3.4 J	3.100 J	0.820 J	2.000 J	0.15 UJ

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)

ND indicates not detected above laboratory MDL

Italic Font indicates the MDL exceeds NYSDEC SCOs but compound was not detected

Bold font indicates that the compound was detected above its respective laboratory MDL.

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

J indicates an estimated value

VOCs analyzed by USEPA Method 8260

Table 16.1A
RAA/RAWP
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
Remaining Soil Contamination: VOCs
LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	RIGP-15		BLIND DUPLICATE-02 (RIGP-15)		RIGP-16		RIGP-17		RIGP-18		RIGP-19		TANK-NORTH-122019		SW-NORTH-G-071420	
Sample Depth (ft bgs)				22		22		14		15		14		12		8		8.5	
Sample Date				6/21/2019		6/21/2019		6/21/2019		6/21/2019		6/21/2019		6/21/2019		12/20/2019		7/14/2020	
Volatile organic compounds																			
1,2,4-Trimethylbenzene	3.6	52	3.6	0.016	UJ	0.016	U	0.032	U	0.054	U	0.041	U	0.017	U	0.0017	UJ	130	
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0094	UJ	0.0095	U	0.018	U	0.031	U	0.024	U	0.0098	U	0.0017	UJ	31	
Acetone	0.05	100	0.05	0.24	U	0.24	U	0.45	U	0.78	U	0.59	U	0.24	U	0.064	J	1.5	U
Benzene	0.06	4.8	0.06	0.0081	U	0.0082	U	0.016	U	0.027	U	0.02	U	0.0085	U	0.00042	U	0.12	J
Ethylbenzene	1	41	1	0.0069	UJ	0.0069	U	0.013	U	0.023	U	0.017	U	0.0072	U	0.00083	UJ	6.1	
n-Propylbenzene	3.9	100	3.9	0.0084	UJ	0.0084	U	0.016	U	0.028	U	0.021	U	0.0087	U	0.00083	UJ	6.2	
Naphthalene	12	100	12	0.032	U	0.032	U	0.061	U	0.11	U	0.08	U	0.033	U	0.0033	UJ	170	
Tetrachloroethene	1.3	19	1.3	0.0096	U	0.0096	U	0.900		5.4		2.7		0.02	J	0.00042	U	0.06	U
Toluene	0.7	100	1	0.026	U	0.027	U	0.051	U	0.088	U	0.067	U	0.028	U	0.00083	U	2.8	
Trichloroethene	0.47	21	0.47	0.86	J	1.3	J	20	J	25	J	16	J	1.9	J	0.00082	J	0.042	U

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)

ND indicates not detected above laboratory MDL

Italic font indicates the MDL exceeds NYSDC SCOs but compound was not detected

Bold font indicates that the compound was detected above its respective laboratory MDL.

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

J indicates an estimated value

VOCs analyzed by USEPA Method 8260

Table 16.1A
RAA/RAWP
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
Remaining Soil Contamination: VOCs
LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	RIBW-A	RIBW-A	RIBW-A	RIBW-A	RIBW-A	RIBW-A	RIBW-A	BLIND-DUP-072519 (RIBW-A)	RIBW-B	DUPE (RIBW-B)	RIBW-C		
Sample Depth (ft bgs)				6.5	10.5	13.5	16.5	19.5	21.5	21.5	21.5	26.2	26.2	26.7-26.9		
Sample Date				7/24/2019	7/24/2019	7/24/2019	7/24/2019	7/24/2019	7/25/2019	7/25/2019	7/25/2019	7/29/2019	7/29/2019	7/31/2019		
Volatile organic compounds																
cis-1,2-Dichloroethene	0.25	100	0.25	0.0092	U	0.14	U	0.016	U	0.14	0.064	0.38	0.48	1.4	1.0	3.8
Tetrachloroethene	1.3	19	1.3	0.05		4.4		2.5		0.53	0.110	0.026	0.026	0.011	0.01	0.012
Trichloroethene	0.47	21	0.47	1.3	J	98	J	16	J	7.9	13	27	32	4.3	1.3	5.5

NOTES:
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)
U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)
ND indicates not detected above laboratory MDL
Italic font indicates the MDL exceeds NYSDEC SCOs but compound was not detected
Bold font indicates that the compound was detected above its respective laboratory MDL.
Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO
Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO
J indicates an estimated value
VOCs analyzed by USEPA Method 8260

Table 16.1B

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Soil Contamination: SVOCs

LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 <u>Protection of</u> <u>Groundwater SCOs</u>	SW-NORTH-G-071420
Sample Depth (ft bgs)				8.5
Sample Date				7/14/2020
Semi-Volatile organic compounds				
Naphthalene	12	100	12	34

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)

Bold font indicates that the compound was detected above its respective laboratory MDL.**Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup****Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential****Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundw**

J indicates an estimated value

SVOCs analyzed by USEPA Method 8270

CTable 16.1C

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Soil Contamination: Metals

LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 <u>Protection of Groundwater SCOs</u>	RIGP-06
Sample Depth (ft bgs)				2-5
Sample Date				6/26/2019
Metals				
Lead, Total	63	400	450	118 J

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

Bold font indicates that the compound was detected above its respective laboratory MDL.

Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Metals analyzed by USEPA Method 6010/7471

NL indicates Not Listed

U indicates compound not detected above indicated laboratory Method Detection Limit (MDL)

J indicates an estimated value

Table 16.1D

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Soil Contamination: Pesticides

LaBella Project #2182207

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	RIGP-06	BLIND DUPLICATE - 03 (RIGP-06)	SS-COMP-01
Sample Depth (ft bgs)				2-5	2-5	0-2
Sample Date				6/26/2019	6/26/2019	8/7/2019
Pesticides						
4,4'-DDT	0.0033	7.9	136	0.00464	0.00714	0.00156 J
Dieldrin	0.005	0.2	0.1	0.000518 U	0.000686 JIP	0.00622

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

Bold font indicates that the compound was detected above its respective laboratory MDL.

Italic Font indicates the MDL exceeds NYSDEC SCOs but compound was not detected

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Underlined font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

Pesticides analyzed by USEPA Method 8081

NL indicates Not Listed

U indicates compound not detected above indicated laboratory Method Detection Limit (MDL)

J indicates an estimated value

Table 16.1E

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Soil Contamination: PFAS

LaBella Project #2182207

Sample ID	NYSDEC Guidelines for Sampling and Analysis of PFAS	SS-COMP-01	SS-COMP-01
Sample Depth (inches bgs)		0-2	0-2
Sample Date		8/7/2019	8/7/2019
PFAS Via Modified USEPA Method 537			
Perfluorooctanesulfonic Acid (PFOS)	1 ppb	2 ppb	–
SPLP PFAS			
Perfluorooctanesulfonic Acid (PFOS)	10 ppt	–	15.1 ppt

NOTES:

PFAS values displayed in micrograms per kilograms (ug/kg) or parts per billion (ppb). SPLP PFAS values displayed in nanograms per Liter (ng/L) or parts per trillion (ppt).

NYSDEC Guidelines for Sample and Analysis of PFAS state that if soil is above 1 ppb then it should be analyzed via synthetic precipitation leaching procedure (SPLP).

U indicates compound not detected above laboratory Method Detection Limit (MDL)

Bold font indicates that the compound was detected above its respective laboratory MDL.

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

J indicates an estimated value

PFAS analyzed by USEPA Method 537 modified

SPLP via USEPA Method 1312

"--" indicates not analyzed

Table 16.2A
RAA/RAWP
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
Remaining Groundwater Contamination: VOCs
LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	SB-MW-04	SB-MW-07	SB-MW-10	SB-MW-11	SB-MW-12	SB-MW-13	SB-MW-14	SB-MW-15	SB-MW-16
Screened Interval (ft bgs)		5 - 15	7.5 - 17.5	5 - 15	9.8 - 19.8	8.5 - 18.5	10 - 20	10 - 20	10 - 20	3 - 8
Sample Date		6/26/2018	6/29/2020	6/26/2018	7/17/2018	7/17/2018	7/17/2018	6/30/2020	6/29/2020	6/30/2020
Volatile organic compounds										
1,2,4-Trimethylbenzene	5	67.8	–	1 U	1 U	2 U	1 U	–	–	–
1,3,5-Trimethylbenzene	5	37.4	–	1 U	1 U	2 U	1 U	–	–	–
2-Butanone	NL	10 U	97 U	10 U	10 U	68.7	10 U	1900 U	78 U	4.8 U
Chloroform	7	5.95	35 U	20.6	5 U	10 U	5 U	700 U	28 U	1.8 UJ
cis-1,2-Dichloroethene	5	1 U	35 U	1 U	2.62	19.2	1 U	700 U	200	17
p/m-Xylene	5	2 U	35 U	2 U	9.26	4 U	2.39	700 U	28 U	1.8 U
p-Isopropyltoluene	5	14.9	–	1 U	1 U	2 U	1 U	–	–	–
sec-Butylbenzene	5	7.65	–	1 U	1 U	2 U	1 U	–	–	–
Tetrachloroethene	5	1 U	16 J	1 U	1 U	2 U	15.6	1700	12 J	24
trans-1,2-Dichloroethene	5	1 U	35 U	1 U	1 U	2 U	1 U	700 U	110	1.8 U
Trichloroethene	5	1 U	4300 J	1 U	2.95	7.63	275	89000 J	5800 J	350

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

VOCs analyzed by USEPA Method 8260

NL Indicates Not Listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

D indicates concentration after dilution

Table 16.2A
RAA/RAWP
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
Remaining Groundwater Contamination: VOCs
LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	RIMW-02	RIMW-04	RIMW-05	RIMW-11	DUPE-071619 (RIMW-11)	RIMW-12	BLIND-DUP-02 (RIMW-12)	RIMW-14
Screened Interval (ft bgs)		1 - 6	2 - 7	9 - 24	11 - 21	11 - 21	6.8 - 21.8	6.8 - 21.8	8.6 - 23.6
Sample Date		6/30/2020	6/30/2020	8/14/2019	7/16/2019	7/16/2019	7/8/2019	7/8/2019	7/8/2019
Volatile organic compounds									
1,2,4-Trimethylbenzene	5	--	--	- -	19	32	0.7 U	0.7 U	0.7 U
Benzene	1	0.32 U	0.4 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.1
cis-1,2-Dichloroethene	5	4.8 J	31	21 J	0.7 U	0.7 U	2.5	2.8 J	0.7 U
Ethylbenzene	5	1.4 U	1.8 U	0.7	4.1	8.1	0.7 U	0.7 U	0.7 U
Naphthalene	10*	--	--	- -	14 J	23 J	0.7 U	0.7 U	0.7 U
n-Propylbenzene	5	--	--	- -	5.8 J	8.4	0.7 U	0.7 U	0.7 U
p/m-Xylene	5	1.4 U	1.8 U	0.7	3.2 J	6.5 J	0.7 U	0.7 U	0.7 U
Tetrachloroethene	5	23	130	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 J
trans-1,2-Dichloroethene	5	1.4 U	5.4 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Trichloroethene	5	98 J	220 J	0.57 J	0.18 U	0.18 U	15 J	14 J	22 J
Vinyl chloride	2	0.84 J	11	0.31 J	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

VOCs analyzed by USEPA Method 8260

NL Indicates Not Listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

D indicates concentration after dilution

"--" indicates compound not analyzed

Table 16.2A
 RAA/RAWP
 Former Wollensack Optical - C828209
 872 & 886 Hudson Avenue, Rochester, New York
 Remaining Groundwater Contamination: VOCs
 LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	RIMW-15	Blind-Dup-03 (RIMW-15)	RIMW-16	RIMW-17	RIMW-18	BLIND-DUP-01 (RIMW-18)	RIMW-16R	RIMW-19S
Screened Interval (ft bgs)		7.3 - 22.3	7.3 - 22.3	8.4 - 23.4	8 - 23	7.5 - 22.5	7.5 - 22.5		
Sample Date		7/9/19	7/9/2019	7/9/2019	7/5/2019	7/3/2019	7/3/2019	6/30/2020	6/30/2020
Volatile organic compounds									
Acetone	50*	6.9 J	6.7 J	150 X	300 X	500 X	500 X	36 U	78 J
Benzene	1	2.3 J	2.2 J	40 X	40 X	64 X	64 X	4 U	0.16 U
cis-1,2-Dichloroethene	5	2.1 J	2.3 J	70 X	300 X	200 X	200 X	18 U	0.7 U
Tetrachloroethene	5	0.18 U	0.18 U	60 X	400 X	1,800 X	2,100 X	60 J	0.18 U
Trichloroethene	5	16 J	6.6 J	13,000 X	20,000 X	40,000 X	42,000 X	4400 J	0.18 U

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

VOCs analyzed by USEPA Method 8260

NL Indicates Not Listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

D indicates concentration after dilution

"-" indicates compound not analyzed

~~Denotes results representative before groundwater treatment and does not represent current site conditions~~

Table 16.2A

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Groundwater Contamination: VOCs

LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	RIBW-A	BLIND-DUP-01 (RIBW-A)	RIBW-B	RIBW-C	RIBW-D	BW-01	QA/QC (BW-01)	BW-02	BW-03	RIMW-19D
Screened Interval (ft bgs)		22.2 - 32.2	22.2 - 32.2	27.5 - 37.5	25 - 35	23 - 33	23.5 - 33.5	23.5 - 33.5	25 - 35	23.2 - 29.4	22.3 - 30.8
Sample Date		8/14/2019	8/14/2019	8/14/2019	8/14/2019	8/14/2019	6/30/2020	6/30/2020	8/14/2019	6/29/2020	6/30/2020
Volatile organic compounds											
1,1-Dichloroethene	5	17	42	0.84 U	2.2 J	0.17 U	8.4 U	8.4 U	1 U	10 J	1.7 U
Acetone	50*	150	360	7.3 UJ	50 UJ	16 UJ	73 U	73 U	63	36 U	94 J
Benzene	1	10	40	1.4 J	7 J	0.16 U	8 U	8 U	2.3	4 U	1.6 U
cis-1,2-Dichloroethene	5	100	200	920 J	1,200 J	0.7 U	220	230	190	2800	7 U
Tetrachloroethene	5	910	900	2.5 J	1.8 U	0.18 U	14 J	15 J	1 U	4.5 U	1.8 U
trans-1,2-Dichloroethene	5	70	100	14 J	15 J	0.7 U	35 U	35 U	4.3 J	18 U	7 U
Trichloroethene	5	17,000	26,000	220 J	4.9 J	0.22 J	5400 J	6000	2.9	13 J	1.8 UJ
Vinyl chloride	2	7.4	10	48 J	22 J	0.07 U	3.6 U	3.6 U	1 U	32	0.71 U

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)**Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard**

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

VOCs analyzed by USEPA Method 8260

NL Indicates Not Listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

D indicates concentration after dilution

"- " indicates compound not analyzed

~~Denotes results representative before groundwater treatment and does not represent current site conditions~~

Table 16.2B

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Groundwater Contamination: SVOCs

LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	DUPE-071619 (RIMW-11)		RIMW-17	
Screened Interval (ft bgs)		11 -21		8 - 23	
Sample Date		7/16/2019		7/5/2019	
Semivolatile organic compounds					
Benzo(a)pyrene	0	0.02	U	0.04	J
Benzo(b)fluoranthene	0.002	0.01	U	0.11	J
Benzo(k)fluoranthene	0.002	0.01	U	0.18	J
Indeno(1,2,3-cd)pyrene	0.002	0.01	U	0.22	J
Naphthalene	10	11		0.05	U

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)**Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard**

SVOCs analyzed by USEPA Method 8270

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

Table 16.2C
RAA/RAWP
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
Remaining Groundwater Contamination: Metals
LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	RIMW-08	RIMW-11	DUPE-071619 (RIMW-11)	RIMW-12	BLIND-DUP-02 (RIMW-12)	RIMW-17	RIMW-17
Screened Interval (ft bgs)		7 - 24	11 -21	11 -21	6.8 - 21.8	6.8 - 21.8	8 - 23	8 - 23
Sample Date		7/16/2019	7/16/2019	7/16/2019	7/8/2019	7/8/2019	7/8/2019	7/5/2019
Metals								
Aluminum, Total	100*	519	746	920	1,760 J	1,910 J	NL	10,200 J
Cobalt, Total	5*	0.98	1.45	1.43	4.03	3.79 J	NL	11.51 J
Copper, Total	200	9.43	3.65	3.85	8.51	8.02 J	NL	25.6 J
Iron, Total	300	1,270	4,810	5,030	4,150	4,880 J	7,240	20,800 J
Lead, Total	25	2.95	3.21	2.24	12.06	13.78 J	NL	30.61 J
Magnesium, Total	35,000*	31,000	50,200	52,600	57,800 J	56,800 J	NL	35,200 J
Manganese, Total	300	89.33	695.8	625.7	377.8 J	351 J	278	634.1 J
Sodium, Total	20,000	36,500	75,000	76,000	85,400	71,700 J	NL	299,000 J

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

Metals analyzed by USEPA Method 6010/7471

NL Indicates Not Listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

Table 16.2D

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Groundwater Contamination: PCBs

LaBella Project #2182207

Sample ID	NYCRR Part 703 Groundwater Quality Standards	RIMW-08
Screened Interval (ft bgs)		7 - 24
Sample Date		7/16/2019
PCBs		
Aroclor 1016	NL	0.034 U
Aroclor 1221	NL	0.067 U
Aroclor 1232	NL	0.046 U
Aroclor 1242	NL	0.039 U
Aroclor 1248	NL	0.049 U
Aroclor 1254	NL	0.128
Aroclor 1260	NL	0.057 JP
Aroclor 1262	NL	0.035 U
Aroclor 1268	NL	0.034 U
Total PCBs	0.09	0.185

Notes:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)**Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard**

P - The RPD between the results for the two columns exceeds the method-specified criteria.

PCBs analyzed by USEPA Method 8082

NL Indicates not listed

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

Table 16.2E

RAA/RAWP

Former Wollensack Optical - C828209

872 & 886 Hudson Avenue, Rochester, New York

Remaining Groundwater Contamination: PFAS

LaBella Project #2182207

Sample ID	NYSDEC Guidelines for Sampling and Analysis of PFAS	RIMW-11
Screened Interval (ft bgs)		11 -21
Sample Date		7/17/2019
Perfluorobutanoic Acid (PFBA)	100	153
Perfluorooctanesulfonic Acid (PFOS)	10	10.7
Perfluorooctanoic Acid (PFOA)	10	11.9

Notes:

All values displayed in nanograms per liter (ng/L) or parts per trillion (ppt)

Bold font indicates that the compound was detected above its respective laboratory method detection limit (MDL)**Yellow highlight indicates that the compound was detected above the NYSDEC Guidelines for Sampling and Analysis of PFAS Water Sample Result Values**

P - The RPD between the results for the two columns exceeds the method-specified criteria.

U denotes not detected above laboratory method detection limit (MDL)

J denotes the result is estimated

PFAS analyzed by USEPA Method 537 modified

Table 16.3
Volatile Organic Compounds (VOCs) in Soil Gas
RAA?RAWP
Former Wollensack Optical
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project Number 2182207

Sample Type	Soil Gas Samples										Guidance Values	
Sample ID	RISG-01		DUPE-01		RISG-02		RISG-04		RISG-05			
Date	6/25/2019		6/25/2019		6/25/2019		6/25/2019		6/25/2019			
Analyte	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organic Compounds (VOCs)												
1,1,1-Trichloroethane	<0.82	U	<0.82	U	<0.82	U	<0.82	U	<0.82	R	There are currently (as of the date of this Report) no regulatory (NYSDEC or NYSDOH) guidance values for soil gas.	
1,1,2,2-Tetrachloroethane	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R		
1,1,2-Trichloroethane	<0.82	U	<0.82	U	<0.82	U	<0.82	U	<0.82	R		
1,1-Dichloroethane	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	R		
1,1-Dichloroethene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	R		
1,2,4-Trichlorobenzene	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	R		
1,2,4-Trimethylbenzene	2.7		3.8		3.9		3.4		3.6	R		
1,2-Dibromoethane	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	R		
1,2-Dichlorobenzene	<0.90	U	<0.90	U	<0.90	U	<0.90	U	<0.90	R		
1,2-Dichloroethane	2.3		0.77		0.77		2.8	U	1.7	R		
1,2-Dichloropropane	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	R		
1,3,5-Trimethylbenzene	2.0		4		4.6		3		3.5	R		
1,3-butadiene	<0.33	U	<0.33	U	<0.33	U	<0.33	U	<0.33	R		
1,3-Dichlorobenzene	<0.90	U	<0.90	U	<0.90	U	<0.90	U	<0.90	R		
1,4-Dichlorobenzene	<0.90	U	<0.90	U	<0.90	U	<0.90	U	<0.90	R		
1,4-Dioxane	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	R		
2,2,4-Trimethylpentane	<0.70	U	1.80		1.7		<0.70	U	2.4	R		
4-ethyltoluene	1.3		1.6		1.7		1.2		1.2	R		
Acetone	210		180		220		200		270	R		
Allyl chloride	<0.47	U	<0.47	U	<0.47	U	<0.47	U	0.44	R		
Benzene	9.8		5.7		5.8		12		9.3	R		
Benzyl chloride	<0.86	U	<0.86	U	<0.86	U	<0.86	U	<0.86	R		
Bromodichloromethane	38		<1.0	U	<1.0	U	<1.0	U	<1.0	R		
Bromoform	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	R		
Bromomethane	<0.58	U	<0.58	U	<0.58	U	<0.58	U	<0.58	R		
Carbon disulfide	6.1		19		22		13		11	R		
Carbon tetrachloride	0.88		<0.19	U	<0.19	U	<0.19	U	<0.19	R		
Chlorobenzene	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	R		
Chloroethane	0.71		<0.40	U	<0.40	U	0.7		0.45	R		
Chloroform	1300		58		59		4.9		3.1	R		
Chloromethane	<0.31	U	<0.31	U	<0.31	U	<0.31	U	0.8	R		
cis-1,2-Dichloroehene	0.48		<0.16	U	<0.16	U	1.3		0.44	R		
cis-1,3-Dichloropropene	<0.68	U	<0.68	U	<0.68	U	<0.68	U	<0.68	R		
Cyclohexane	9		2.3		0.86		22		5.4	R		
Dibromochloromethane	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	R		
Ethyl acetate	21		<0.54	U	9.1		26		20	R		
Ethylbenzene	6.7		5.8		5.9		2.3		2.8	R		
Freon 11	6.5		21		2.1		31		1.5	R		
Freon 113	<1.1	U	<1.1	U	<1.1	U	16		<1.1	R		
Freon 114	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R		
Freon 12	<0.74	U	2.2		<0.74	U	<0.74	U	2.6	R		
Heptane	29		20		<0.61	U	<0.61	U	<0.61	R		
Hexachloro-1,3-butadiene	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	R		
Hexane	56		4.9	U	4.9	U	130		44	R		
Isopropyl alcohol	<0.37	U	<0.37	U	<0.37	U	<0.37	U	<0.37	R		
Xylene (m,p)	33		16		16		4.6		5.8	R		
Methyl Butyl Ketone	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	R		
Methyl Ethyl Ketone	120	J	51		72	J	93		130	R		
Methyl Isobutyl Ketone	11		4		4.2		7.2		6.7	R		
Methyl tert-butyl ether	<0.54	U	<0.54	U	<0.54	U	<0.54	U	<0.54	R		
Methylene chloride	16		3		3.1		16		4.3	R		
Xylene (o)	9		4.6		4.7		1.3		1.3	R		
Propylene	<0.26	U	<0.26	U	<0.26	U	<0.26	U	<0.26	R		
Styrene	5.2		6		5.9		3.1		4.3	R		
Tetrachloroethylene	3.9		36		43		1.6		13	R		
Tetrahydrofuran	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	R		
Toluene	62		38		44		88		48	R		
trans-1,2-Dichloroethene	<0.59	U	<0.59	U	<0.59	U	<0.59	U	<0.59	R		
trans-1,3-Dichloropropene	<0.68	U	<0.68	U	<0.68	U	<0.68	U	<0.68	R		
Trichloroethene	4.9		3.8		3.8		8.5		4.9	R		
Vinyl acetate	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	R		
Vinyl bromide	<0.66	U	<0.66	U	<0.66	U	<0.66	U	<0.66	R		
Vinyl chloride	<0.10	U	<0.10	U	<0.10	U	<0.10	U	<0.10	R		
Total VOCs	1967.47		492.97		539.03		692.91		602.56			R
Total Chlorinated VOCs	9.51		100.80		65.90		31.71		26.58			R

NOTES:
All values are displayed in micrograms per cubic meter (µ/m³)
BOLD values indicate compound was detected above the method detection limit (MDL).
Volatile Organic Compounds (VOCs) were analyzed via USEPA Method TO-15.
"J" indicates the value is considered estimated
"U" and "<" indicate the compound was not detected above the quantitation limit shown
R indicates data was rejected during validation



FIGURES

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Drawings\RAA and RAWP Figures\Figure 1 - Site Location Map.mxd



Legend

BCP Boundary

NOTES:
1) Property boundaries obtained from Monroe County GIS 2016 and are considered approximate.
2) Topographic map obtained from USGS and may not represent current conditions.

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Project: RAA AND RAWP
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872 AND 888 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING TITLE
SITE LOCATION MAP

ISSUED FOR	DESIGNED BY	MFP
FINAL	DRAWN BY	SMR
DATE: 7/27/2020	REVIEWED BY:	NMM

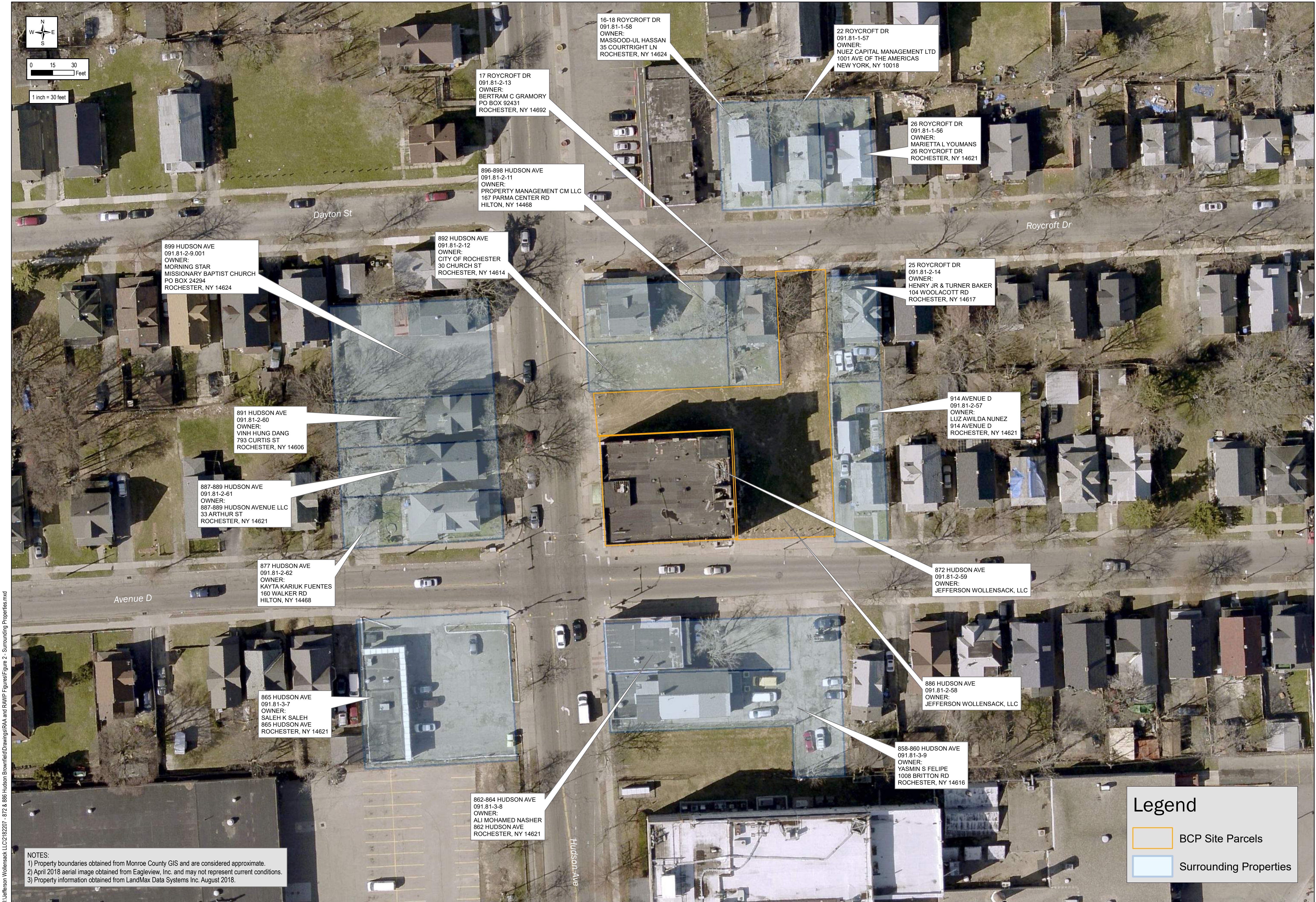
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2182207

FIGURE 1

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield Drawings\RAA and RAWP Figures\Figure 2 - Surrounding Properties.mxd



It is a violation of New York Education Law Article 145 Sec 7208 for a person to practice as a professional engineer, professional architect, professional engineer, or land surveyor to alter an item in any way, if an item bearing the seal of an architect, professional engineer, or land surveyor, altering architect, engineer or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

PROJECT / CLIENT

Client: JEFFERSON WOLLENSACK, LLC

Project: RAA AND RAWP FORMER WOLLENSACK OPTICAL NYSDEC BCP SITE #C828209 872 AND 886 HUDSON AVENUE ROCHESTER, NEW YORK

DRAWING TITLE

SITE AND SURROUNDING PROPERTIES

ISSUED FOR

FINAL

Saturday, August 15, 2020

DESIGNED BY: MFP

DRAWN BY: MFP

REVIEWED BY: MFP

PROJECT/DRAWING NUMBER

[2182207]

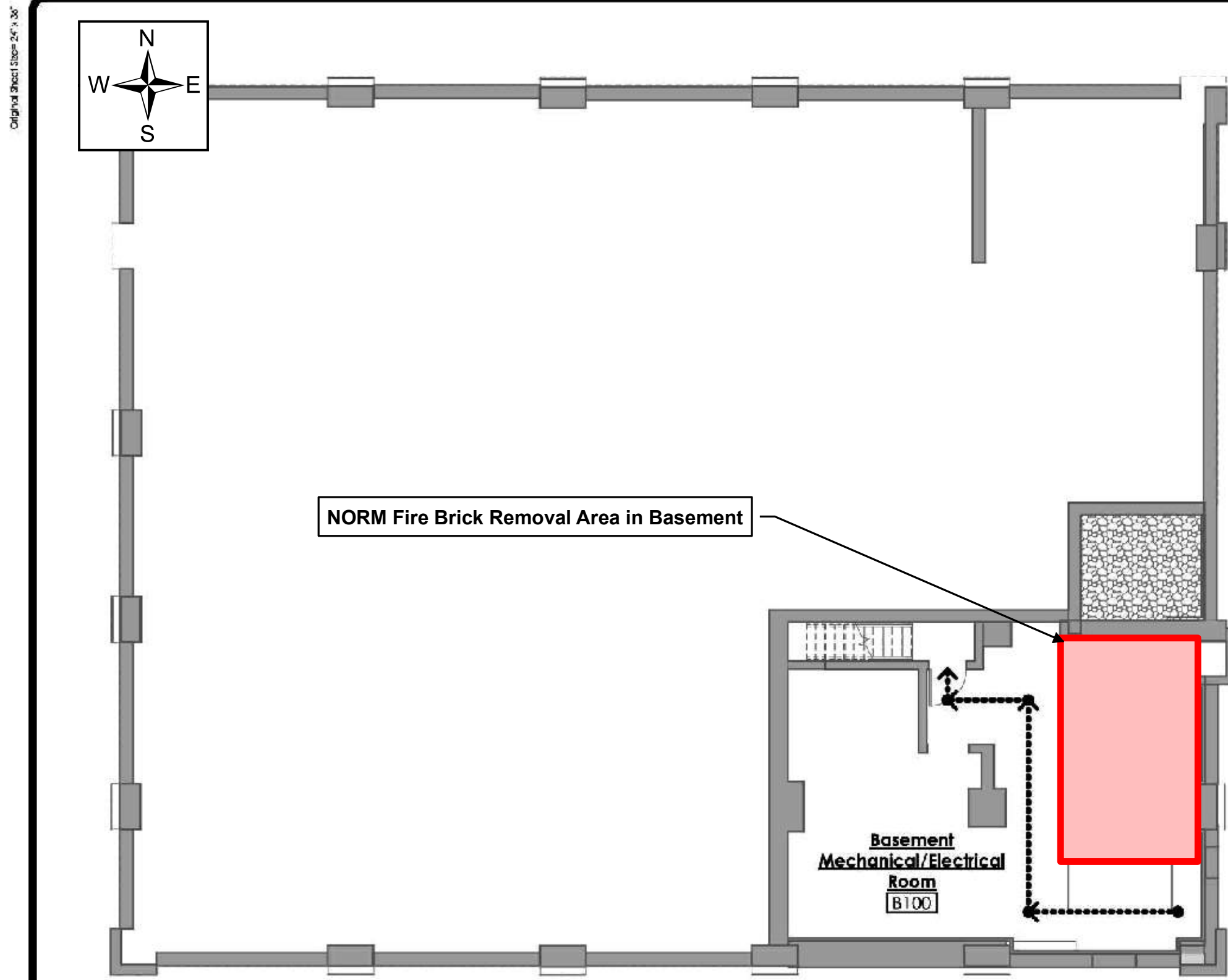
[FIGURE 2]

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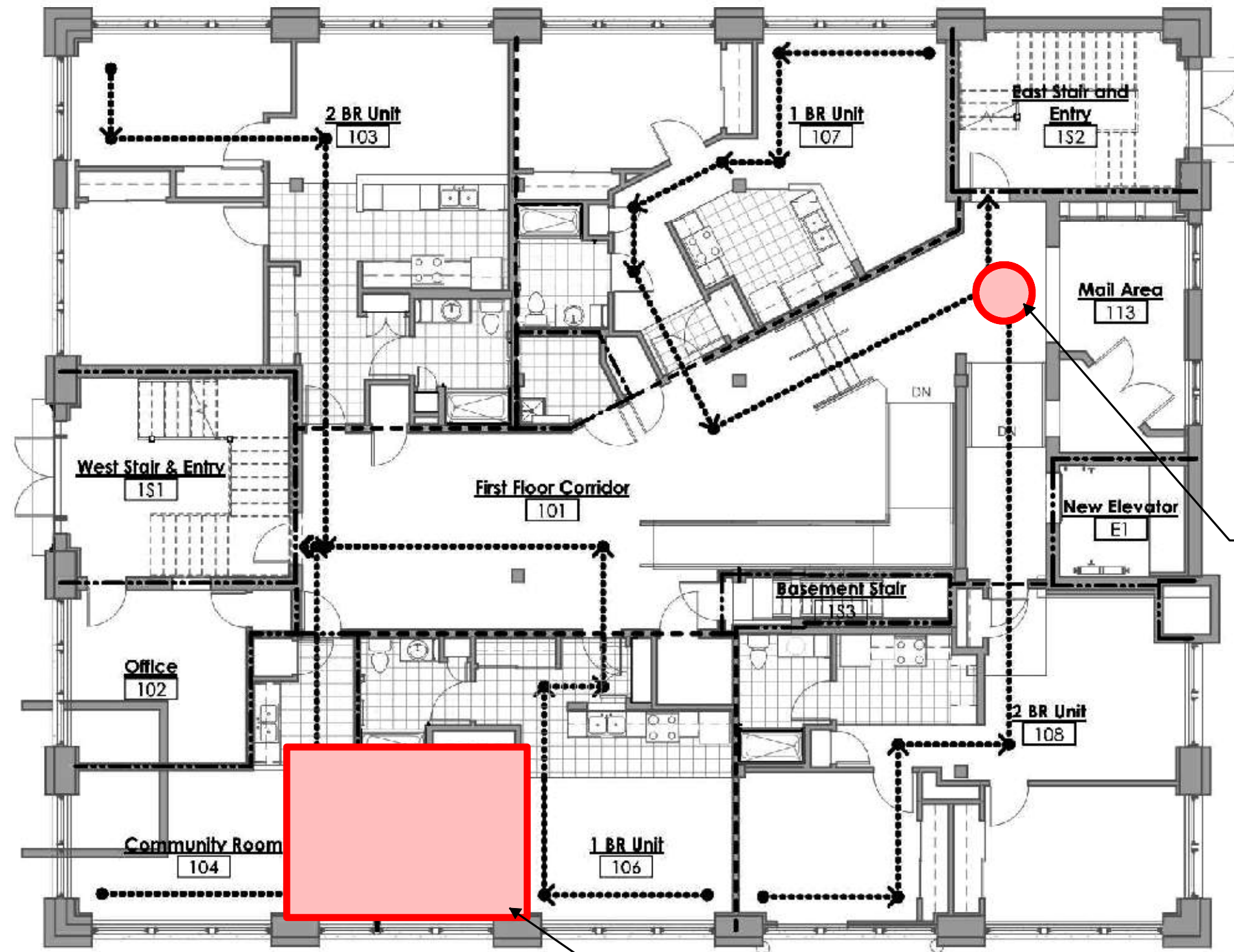
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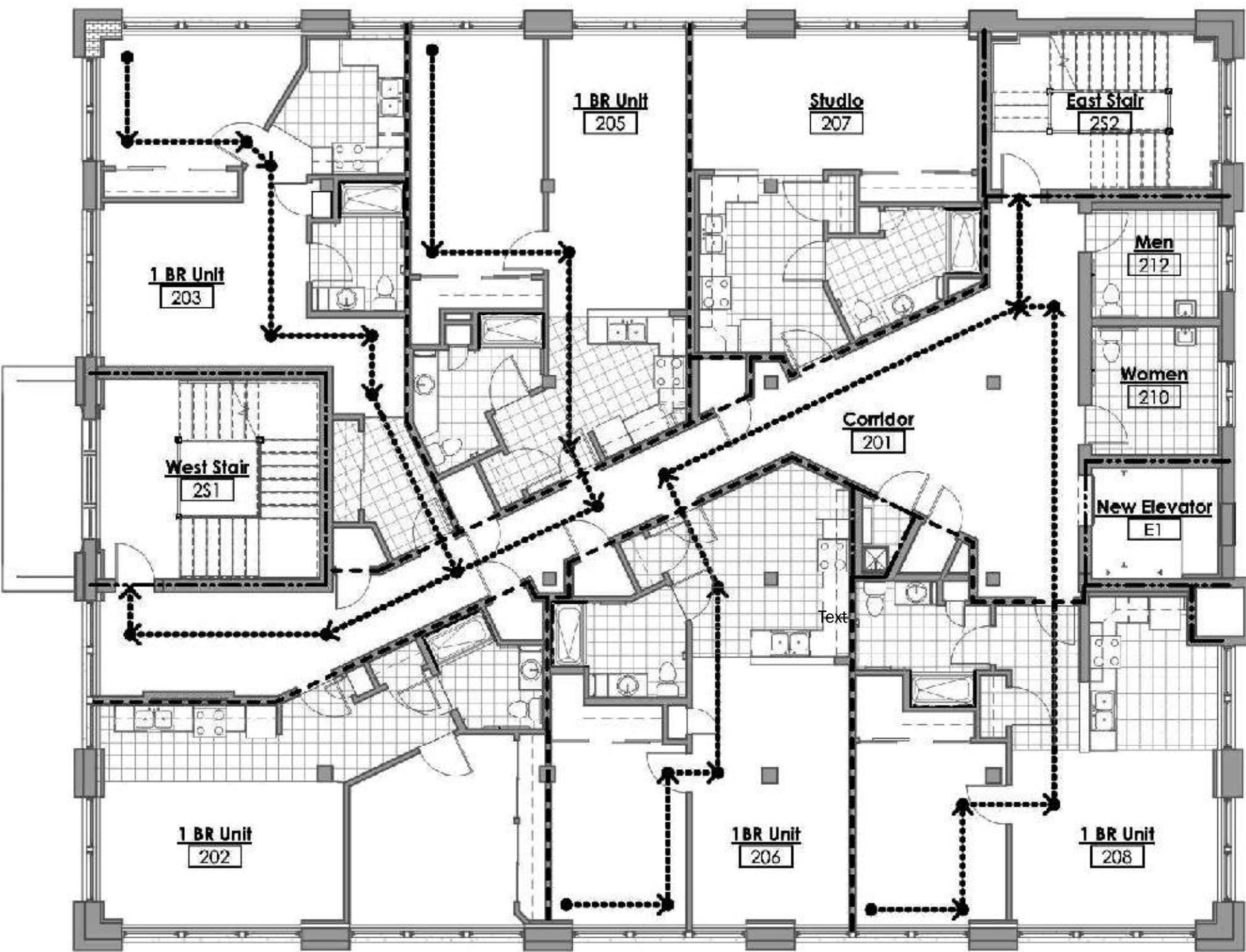
I:\Jefferson Wollensack, LLC\2182207 - 872 & 886 Hudson Brownfield Drawings\RA and RAWP Figures\Figure 3B - AOC 2 Bldg Layout.mxd



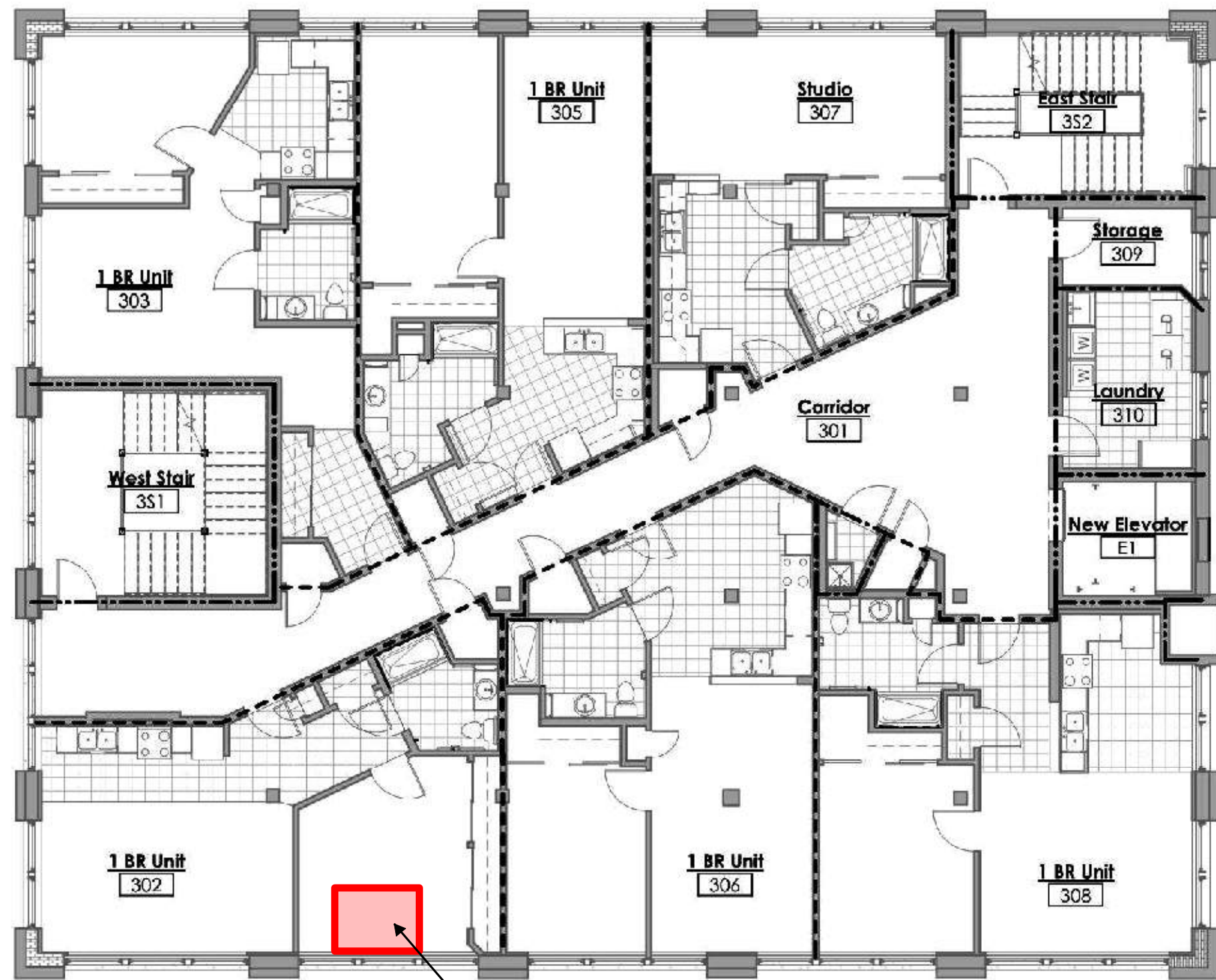
① Life Safety - Basement
1/8" = 1'-0"



② Life Safety - Floor 1
1/8" = 1'-0"



③ Life Safety - Level 2
1/8" = 1'-0"



④ Life Safety - Level 3
1/8" = 1'-0"

Travel Distance

Path ID	Travel Distance
103	55'
104	44'
106	67'
107	81'
108	74'
203	88'
205	87'
206	84'
208	71'
B	38'
R	122'

Note: Travel distances at floors 3 and 4 are similar to those at floor 2.

RAOC #2 - Elevated radioactive material removal area in sump (apparent thoriated sands)
-NORM sump material covered with concrete

NOTES:

- 1) Drawing AO.2 from Barkstrom and LaCroix Architects dated 7/16/2018 and may not represent final layout of building.
- 2) All locations are considered approximate.
- 3) NORM denotes Naturally Occurring Radioactive Material.

Wall Rating Legend

Draftstopping
Two Hour Fire Barrier
One Hour Fire Barrier
One Hour Fire Partition

1. Fire barriers shall extend from the top of the floor/ceiling assembly below to the underside of floor or roof deck above and shall be securely attached thereto. Fire barriers shall be continuous through concealed spaces (i.e. space above suspended ceiling). Construction supporting fire barriers shall carry a matching fire resistance rating. Shields may terminate at the underside of a raised floor/ceiling assembly. Fire barriers shall be fire blocked at every floor.

2. Fire partitions shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above and shall be securely attached thereto. If the partitions are not continuous to the sheathing, deck or slab, and where construction of combustible construction, the space between the ceiling and the sheathing, deck or slab above shall be fire blocked or draftstopped in accordance with 2015 International Building Code at the partition line. Construction supporting fire partitions shall carry a matching fire resistance rating. Where the room-side fire-resistance-rated membrane of the corridor is carried through to the underside of the floor or roof sheathing, deck or slab of a fire-resistance-rated floor or roof above, the ceiling of the corridor shall be permitted to be protected by the use of ceiling materials as required for a 1-hour fire-resistance-rated floor or roof system.

For this drawing to be valid, the professional seal of the drafter must be affixed to the drawing. The drafter must be a duly licensed architect, professional engineer, or land surveyor, or an architect, professional engineer, or land surveyor who is authorized to practice in the state of New York. The drafter must be a duly licensed architect, professional engineer, or land surveyor who is authorized to practice in the state of New York. The drafter must be a duly licensed architect, professional engineer, or land surveyor who is authorized to practice in the state of New York.

Revision Schedule

Revision Number	Revision Date	Revision Description
-----------------	---------------	----------------------

NOT FOR CONSTRUCTION PURPOSES



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Rochester, New York

Wollensack Optical Conversion

drawn	checked	date	project
-	-	07-06-18	#1625

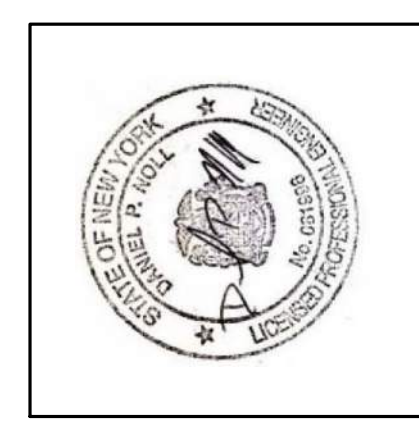
Codes and Life Safety

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PROJECT / CLIENT
Client:
JEFFERSON WOLLENSACK, LLC
Project:
RAA AND RAWP
FORMER WOLLENSACK OPTICAL
NYSDEC BCP SITE #C828209
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ROCHESTER, NEW YORK

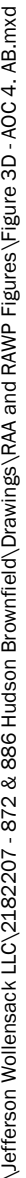
DRAWING TITLE
AREA OF CONCERN #2
BUILDING MATERIALS WITH RADIATION
AND NORM BUILDING MATERIALS
DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP
ISSUED FOR
FINAL
Sunday, August 16, 2020

PROJECT/DRAWING NUMBER

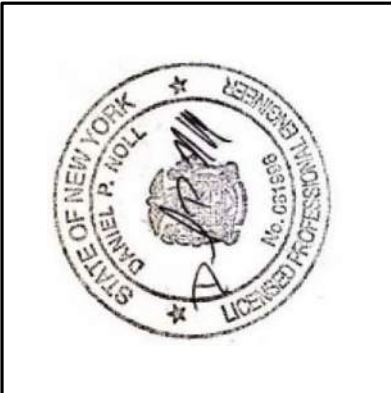
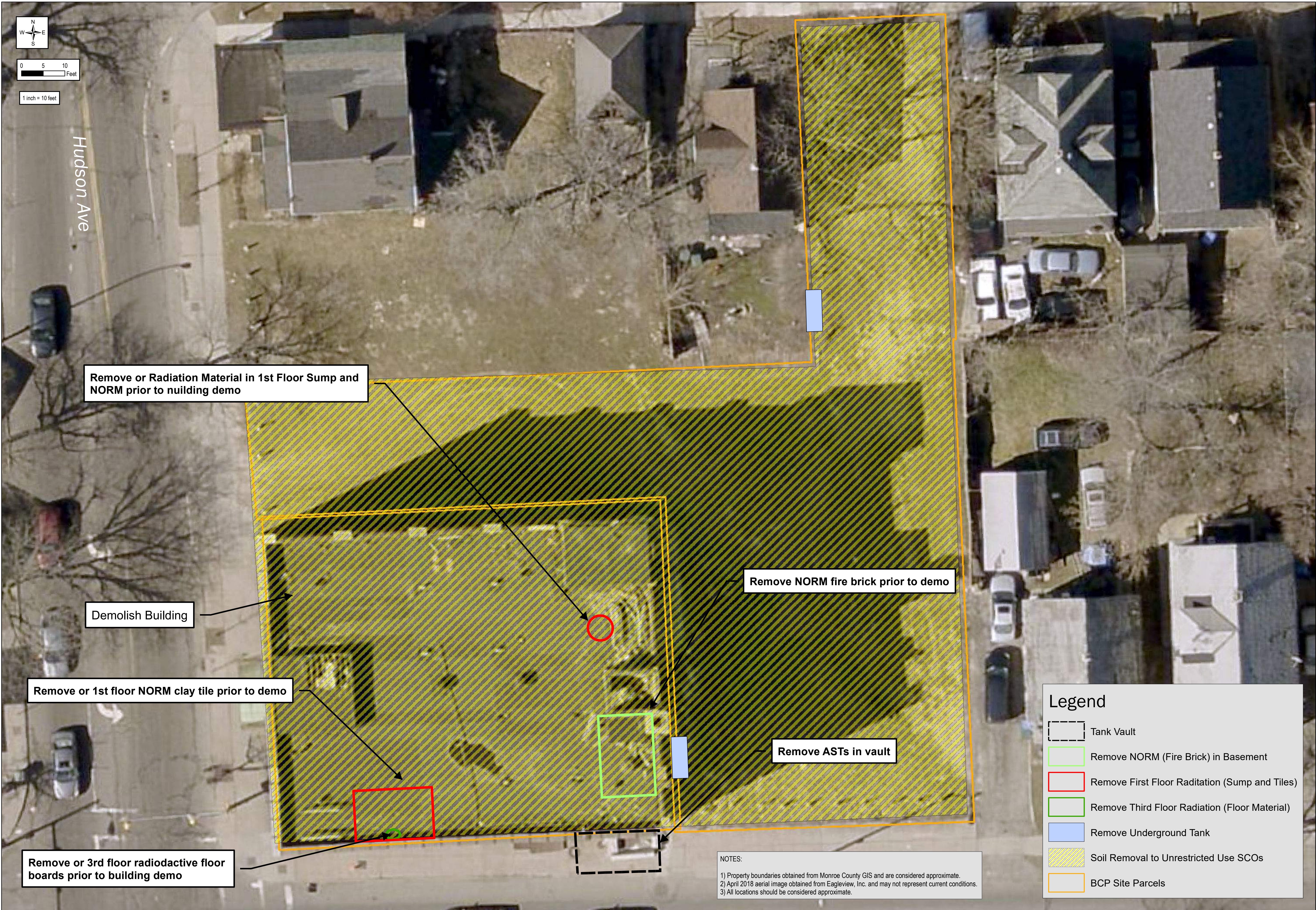
[2182207]

[FIGURE 3B]

INTENDED TO PRINT AS: 22" X 34"



I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield Drawings\RAA and RAWP Figures\Figure 4 - Unrestricted Use Cleanup.mxd



It is a violation of New York Education Law Article 145 Sec 7203 for a person to represent himself or herself as a licensed architect, professional engineer, or land surveyor to alter an item in any way, if an item bearing the seal of an architect, professional engineer, or land surveyor is altered or modified in any way, or if an item bearing the seal of an architect, professional engineer, or land surveyor shall affix to the item their seal and notation "altered" followed by their signature and date of such alteration, and a specific description of the alteration.

PROJECT / CLIENT

Client:
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Project:
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DRAWING TITLE	
UNRESTRICTED USE TRACK 1 CLEANUP	
ISSUED FOR FINAL	DESIGNED BY: MFP
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	REVIEWED BY: MFP
Monday, August 17, 2020	

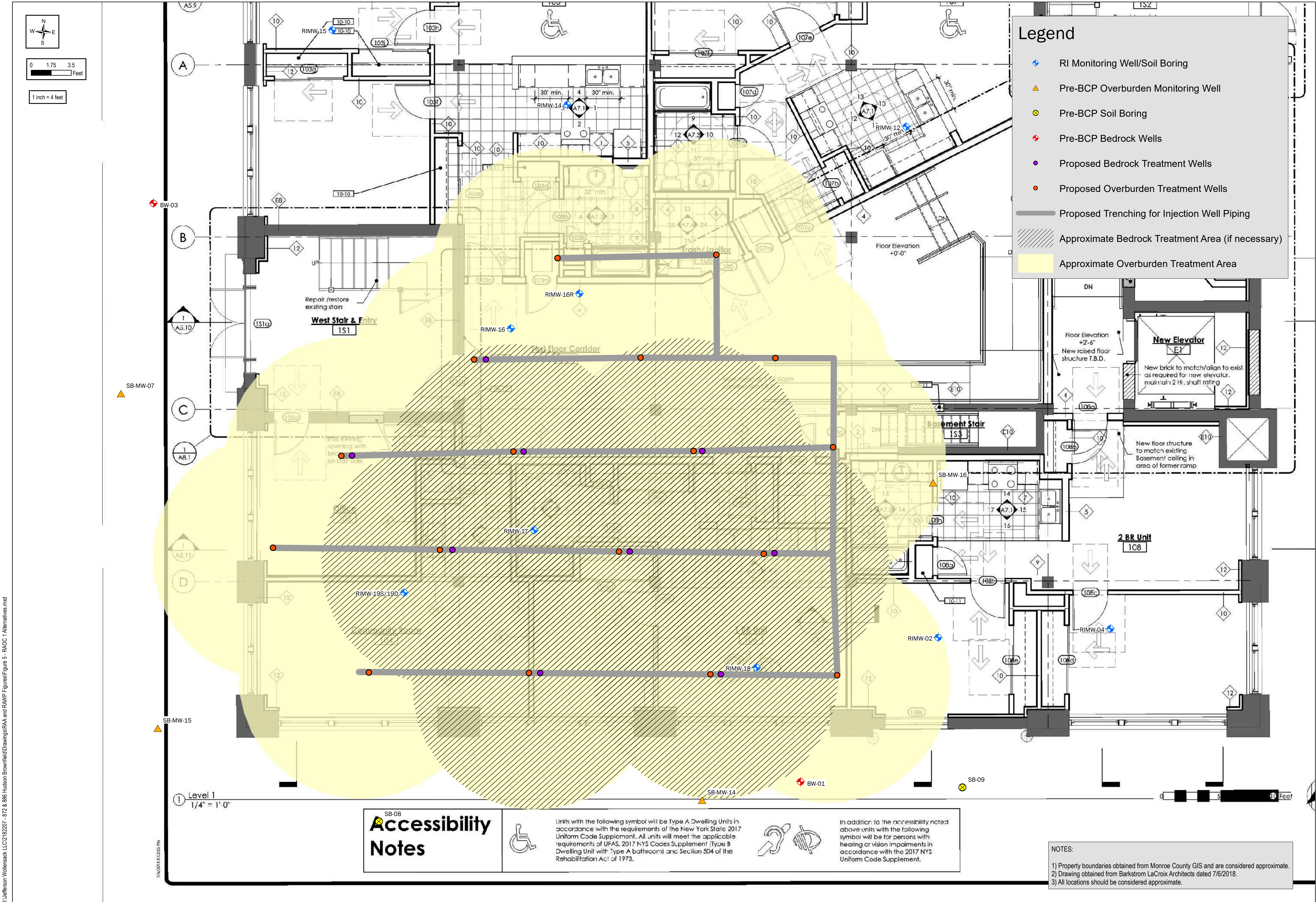
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[FIGURE 4]

INTENDED TO PRINT AS: 22" X 24"

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Drawings\RAA and RAWP Figures\Figure 5 - RAOC 1 Alternatives.mxd



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Project: RAA AND RAWP FORMER WOLLENSACK OPTICAL NYSDEC BCP SITE #C828209 872 AND 886 HUDSON AVENUE ROCHESTER, NEW YORK

ISSUED FOR	DESIGNED BY:	DRAWN BY:	REVIEWED BY:
FINAL	MFP	MFP	MFP

Saturday, August 15, 2020

PROJECT/DRAWING NUMBER

[2182207]

FIGURE 5

INTENDED TO PRINT AS: 22" X 24"





NOTES:
1) Property boundaries obtained from Monroe County GIS and are considered approximate.
2) April 2018 aerial image obtained from Eagleview, Inc. and may not represent current conditions.
3) Investigation locations were measured with an EOS Arrow Gold GPS capable of cm accuracy or using a optical level and survey rod.
4) All locations are considered approximate.
5) Groundwater concentrations displayed exceed TOGS 1.1.1 Groundwater Standards
6) Soil concentratons displayed exceed NYSDEC Part 375-6.8(b) Protection of Groundwater SCOs
7) **BOLD** concentrations for soil analytical results exceed NYSDEC Part 375-6.8(b) Restricted Residential Use SCOs.

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PROJECT / CLIENT

Client: JEFFERSON WOLLENSACK, LLC

Project: RAA AND RAWP FORMER WOLLENSACK OPTICAL NYSDEC BCP SITE #C828209 872 AND 886 HUDSON AVENUE ROCHESTER, NEW YORK

DRAWING TITLE

RAOC #3 - PETROLEUM IMPACTS ALTERNATIVES #2 AND #3

ISSUED FOR: FINAL

DESIGNED BY: MFP

DRAWN BY: MFP

REVIEWED BY: MFP

Tuesday, September 15, 2020

PROJECT/DRAWING NUMBER

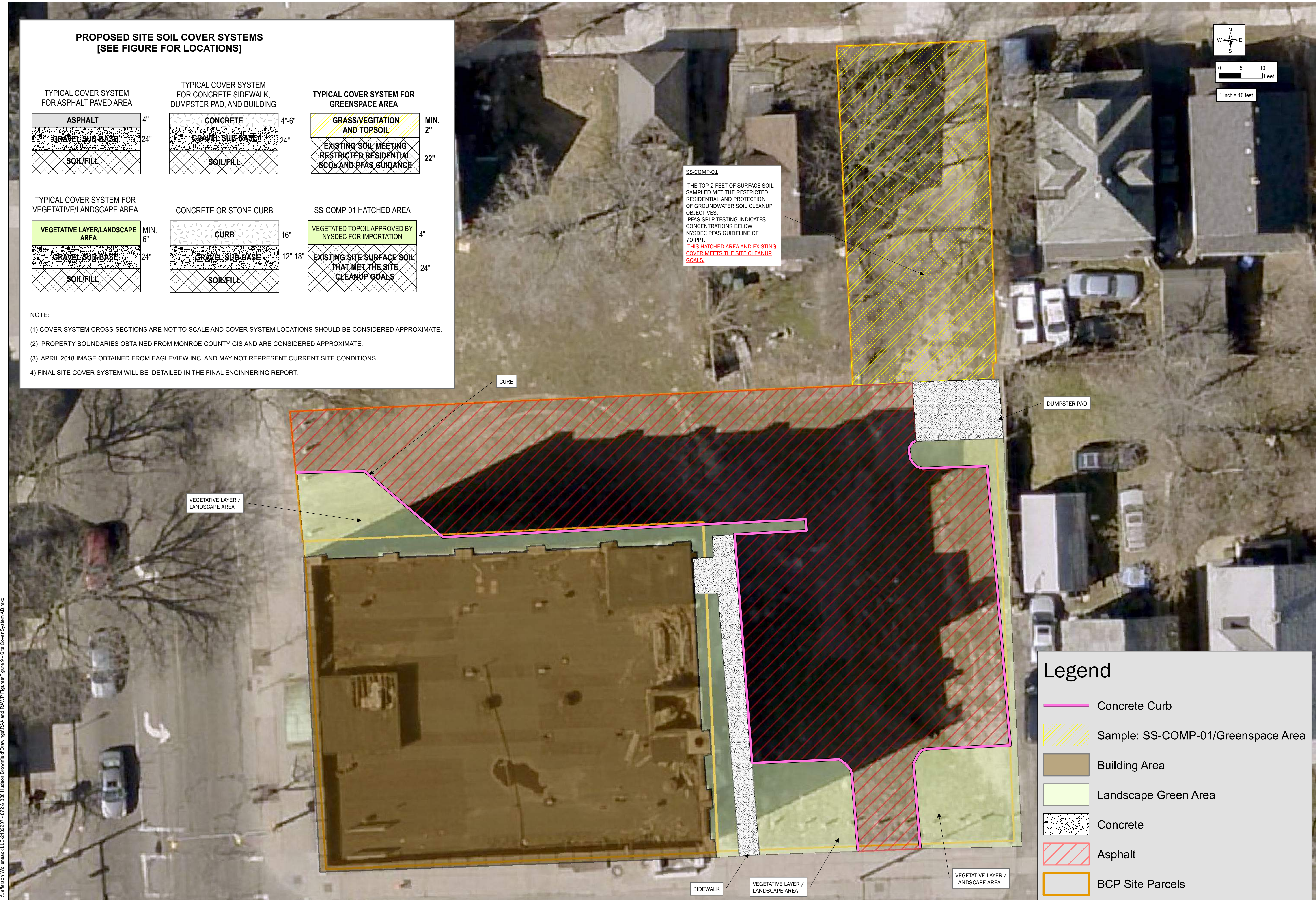
[2182207]

[FIGURE 7]

INTENDED TO PRINT AS: 22" X 34"



I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Drawings\RAA and RAWP\Figure 9 - Site Cover System AB.mxd



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PROJECT / CLIENT

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Project: RAA AND RAWP
FORMER WOLLENSACK OPTICAL
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ROCHESTER, NEW YORK

DRAWING TITLE

SITE COVER SYSTEM

ISSUED FOR FINAL

DESIGNED BY: MFP

DRAWN BY: MFP

REVIEWED BY: MFP

Wednesday, September 16, 2020

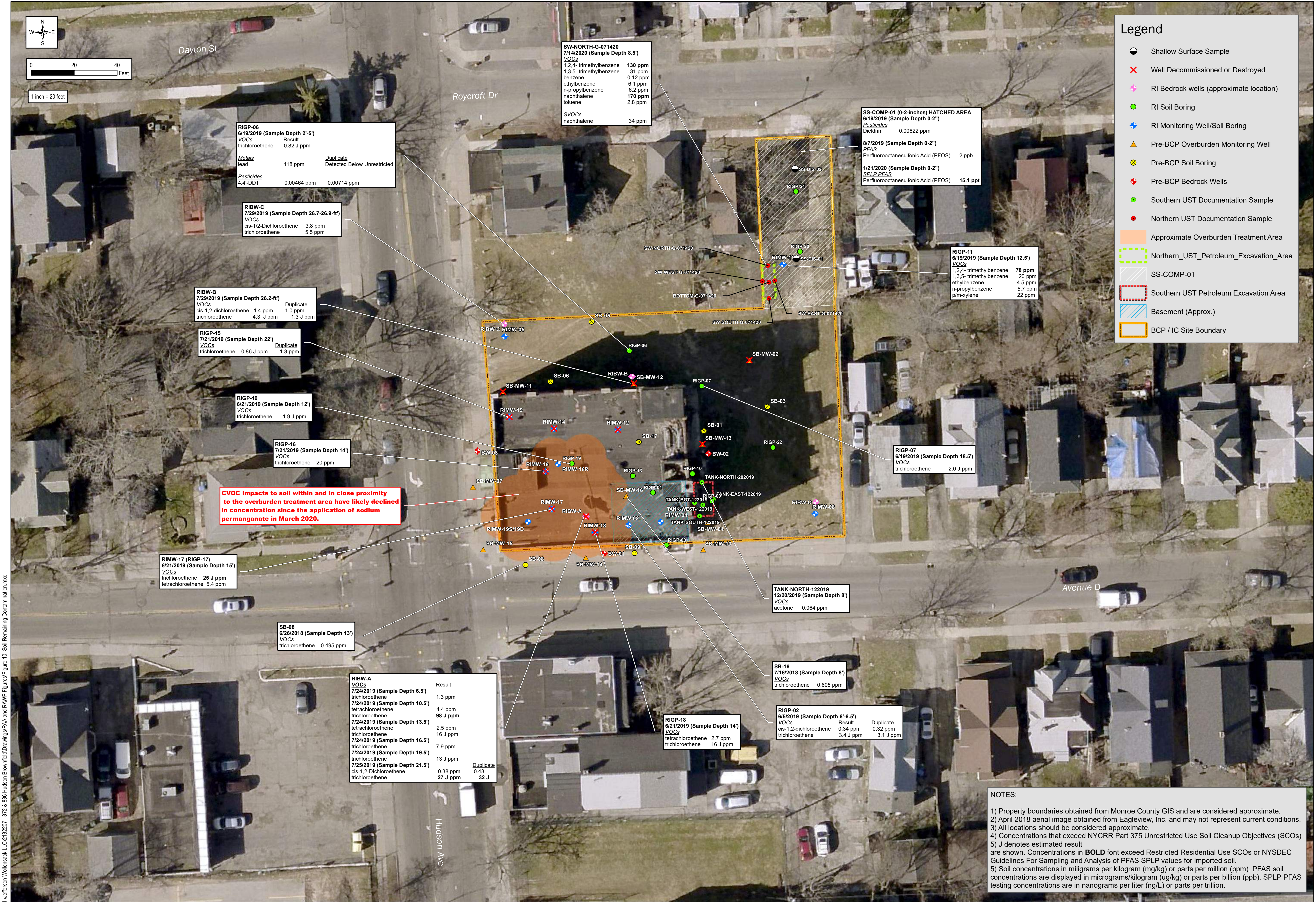
PROJECT/DRAWING NUMBER

[2182207]

[FIGURE 9]

INTENDED TO PRINT AS: 22" X 24"

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield Drawings\RAA and PAWP Figures\Figure 10 - Soil Remaining Contamination.mxd



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PROJECT / CLIENT

Client: JEFFERSON WOLLENSACK, LLC

Project: RAA/RAWO FORMER WOLLENSACK OPTICAL NYSDC BCP SITE #C828209 872 AND 886 HUDSON AVENUE ROCHESTER, NEW YORK

DRAWING TITLE

REMAINING CONTAMINATION: SOIL CONCENTRATIONS ABOVE SOIL CLEANUP OBJECTIVES

ISSUED FOR	DESIGNED BY:	MFP	DRAWN BY:	MFP	REVIEWED BY:	MFP
FINAL						

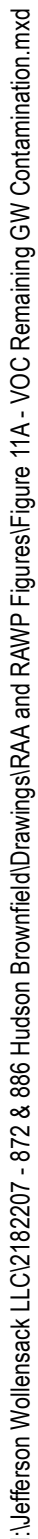
Thursday, September 17, 2020

PROJECT/DRAWING NUMBER

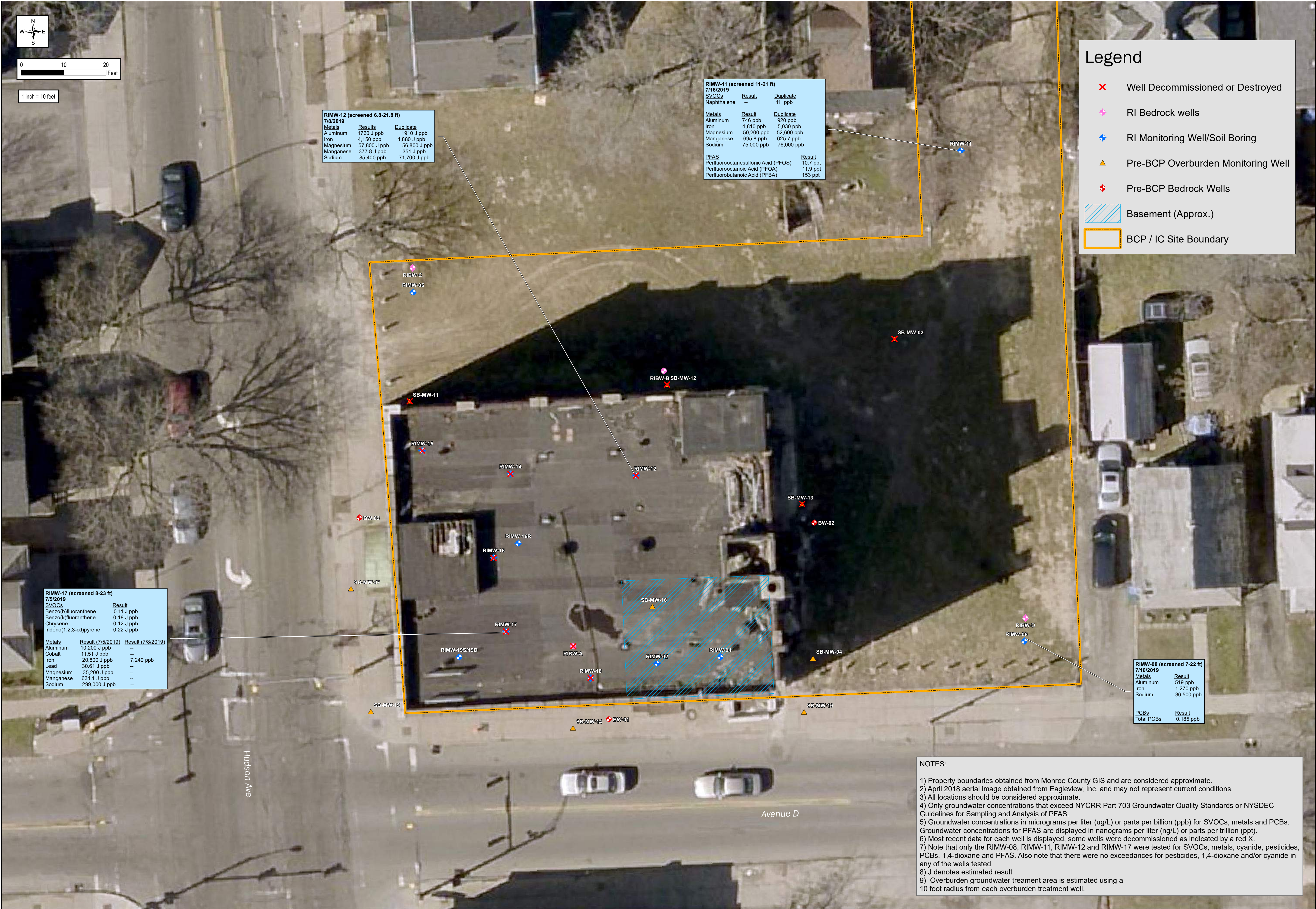
[2182207]

[FIGURE 10]

INTENDED TO PRINT AS: 22" X 24"



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Project:
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872 AND 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING TITLE

REMAINING CONTAMINATION:
SVOCs, METALS, PCBs AND PFAS
IN GROUNDWATER EXCEEDING STANDARDS

DESIGNED BY: MFP

DRAWN BY: MFP

REVIEWED BY: MFP

ISSUED FOR
FINAL

Thursday, September 17, 2020

PROJECT/DRAWING NUMBER

[2182207]

[FIGURE 11B]

INTENDED TO PRINT AS: 22" X 24"



APPENDIX 1

Site Plan for Future Development



APPENDIX 2

Land Use Evaluation

APPENDIX 6

LAND USE EVALUATION

The below reasonably anticipated future land use evaluation has been completed for the Site based on the 16 criteria identified in the DER-10 Technical Guidance for Site Investigation and Remediation. These criteria and how they apply to the Site are summarized below.

1. *Current use and historical and/or recent development patterns:* The Site is comprised of two (2) tax parcels with a total area of approximately 0.48± acres. The tax parcels are addressed as 872 Hudson Avenue (SBL 091.81-2-59) and 886 Hudson Avenue (SBL 091.81-2-58). The Site is currently developed with a 26,000-square foot (sq ft) former industrial building. Historical records indicate the Site was utilized for residential purposes and as a tailor and electric motor shop in at least 1911. The current Site building at 872 Hudson Avenue, formerly operated by Wollensack Optical (AKA Wollensack Optical), was constructed in approximately 1930 based on tax information. The building formerly located at 886 Hudson Ave was operated by J.S. Graham Co., manufacturers of Photo Mounts and was constructed in approximately 1912 based on tax information. Various manufacturing companies occupied the Site from 1926 to 2010 including Wollensack Optical, Anson Instrument, Minnesota Mining and Manufacturing, Virginville Lens Company, and Surplus Shed. Since approximately 2010, the building has been stripped of most plumbing, electrical, and mechanical fixtures. A developer has received approval to rehabilitate the current structure into a residential apartment complex from the City of Rochester. The developer intends to complete construction in the Fall of 2020. As such, the planned redevelopment for commercial and residential purposes (i.e., Restricted Residential) is consistent with historical and recent development patterns.

2. *Applicable zoning laws:* Redevelopment of the Site is proposed for residential purposes (i.e., apartments). Any development on the Site will need to be consistent with all of the use, design, and performance requirements.

3. *Brownfield Opportunity Areas:* The Site is currently located within a Brownfield Opportunity Area.

4. *Consistency of proposed use with applicable land-use plans formally adopted by a municipality:* The City of Rochester recently approved a concept plan for the Site consistent with the proposed development described herein.

5. *Proximity to real property currently utilized for residential use and to urban, commercial, industrial, agricultural and recreational areas:* Properties adjacent to the Site are currently being utilized for commercial and residential uses. The nearest residential property borders the Site to the south, west, and east. The nearest commercial property is across Hudson Avenue to the south. As such, the planned development of the Site for residential purposes appears consistent with surrounding properties.

6. *Any written or oral comments submitted by members of the public on the proposed use as part of citizen participation activities:* Comments have not been received from the public as part of the BCP Citizen Participation activities.

7. *Environmental justice concerns:* The Site and surrounding properties have historically been utilized for commercial and residential purposes. The most recent last land use of the Site was industrial (i.e., lens manufacturing). Redevelopment of the Site is not anticipated to create a disproportionate burden on the community or result in a disproportionate concentration of commercial or residential uses.

8. *Federal or state land-use designations:* There are no federal or state land-use designations. The Site is designated as urban land by the United States Department of Agriculture, Monroe County Soil Survey obtained from the Natural Resource Conservation Service website. Reuse in a restricted capacity (consistent with the planned future use of the Site) is typical in urban areas where background conditions sometimes preclude achieving SCOs.

9. *Population growth patterns and projections:*

Population for the City of Rochester

- 2010: 210,565 (US Census Bureau)
- 2019: 205,695 (estimated) (US Census Bureau)

10. *Accessibility to existing infrastructure:* The Site is located in an urban area with access to utilities. Existing water and sanitary water mains are available for use. Storm drainage and storm water management will be handled by means of a proposed storm sewer collection system and may require an underground chamber storage system.

11. *Proximity of the Site to important cultural resources:* Based on a review of the New York State Historic Preservation Office's (SHPO) Cultural Resource Information System (CRIS), the Site is not located adjacent to a Nationally Registered Historic District Boundary. The entire Site is not considered located within an Archeologically Sensitive Area based on a review of CRIS.

12. *Proximity of Site to important federal, state or local natural resources:* Based on a review of the New York State Department of Environmental Conservation's (DEC) Environmental Resource Mapper the Site is approximately 4,000 feet east of the Class B Genesee River. The nearest State Wetland (CT-1) is located 4,000 feet west of the Site. The Site is not located within a NYS Rare Plant/Animal zone based on a review of the Environmental Resource Mapper.

Based on a review of the US Fish and Wildlife Service's (USFWS) National Wetlands Inventory (NWI) the nearest Federally-designated riverine wetland (i.e. Genesee River) is approximately 4,000 feet to the west of the Site. The nearest Federally-designated freshwater scrub-shrub wetland is approximately 4,000 feet west of the Site. Based on a review of the USFWS's Information for Planning and Conservation (IPac) system, the federally listed Northern Long-eared Bat (threatened) may be located in the vicinity of the Site. The Site is located within an urban environment.

13. *Potential vulnerability of groundwater contamination that might migrate from the Site:*

Contaminated groundwater has been encountered on Site (primarily VOCs) from an on-Site source. VOCs is present in groundwater from an apparent on-Site source and has migrated off-Site.

14. *Proximity to floodplains:* According to the FEMA Flood Map Service Center Map, the Site is not located within a flood zone.

15. *Geography and Geology:*

Soils at the site was generally comprised of tightly packed brown silt, sandy silts and fine to coarse subangular and sub rounded gravel. Trace amounts of fill including cinders and ash were observed near the surface of a limited number of borings, particularly on the eastern side of the site. This urban fill material was encountered to depths of approximately 3 ft below ground surface (bgs). Top of bedrock at the site ranges from 22.5 ft to 24 ft bgs. The depth to groundwater ranges from 5.69 to 12.39 ft bgs. Groundwater flow direction appears to be in a northwesterly direction.

16. *Current institutional controls applicable to the Site:*

No institutional controls are currently in place at the Site that would affect redevelopment options.

Based on the above evaluation of the current, intended and reasonably anticipated future use of the Site and surrounding area, a cleanup to restricted residential use standards does not pose additional environmental or human health risks.



APPENDIX 3

Health and Safety Plan

Site Health and Safety Plan

Location:

Former Wollensack Optical
872 & 886 Hudson Avenue
Rochester, New York

Prepared For:

Jefferson Wollensack LLC
312 State Street
Rochester, New York 14614

LaBella Project No. 2182207

October 2018

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Tables

Table 1	Exposure Limits and Recognition Qualities
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SITE HEALTH AND SAFETY PLAN

Project Title:	Former Wollensack Optical - Brownfield Cleanup Program
Project Number:	2182207
Project Location (Site):	872 & 886 Hudson Avenue, Rochester, NY
Environmental Director:	To Be Determined
Project Manager:	To Be Determined
Site Safety Supervisor:	To Be Determined
Site Contact:	Ms. Carolyn Vitale
Safety Director:	To Be Determined
Proposed Date(s) of Field Activities:	To Be Determined
Site Conditions:	0.48± acres; Site is currently developed with one (1) building.
Site Environmental Information Provided By:	<ul style="list-style-type: none">❑ <i>Phase I Environmental Site Assessment (ESA)</i>, completed by Seeler Engineering, PC, September 2017;❑ <i>Phase II ESA</i>, completed by LaBella, August 2018❑ <i>Preliminary Shallow Bedrock Groundwater Study</i>, completed by LaBella, October 2018
Air Monitoring Provided By:	To Be Determined
Site Control Provided By:	Contractor(s)

EMERGENCY CONTACTS

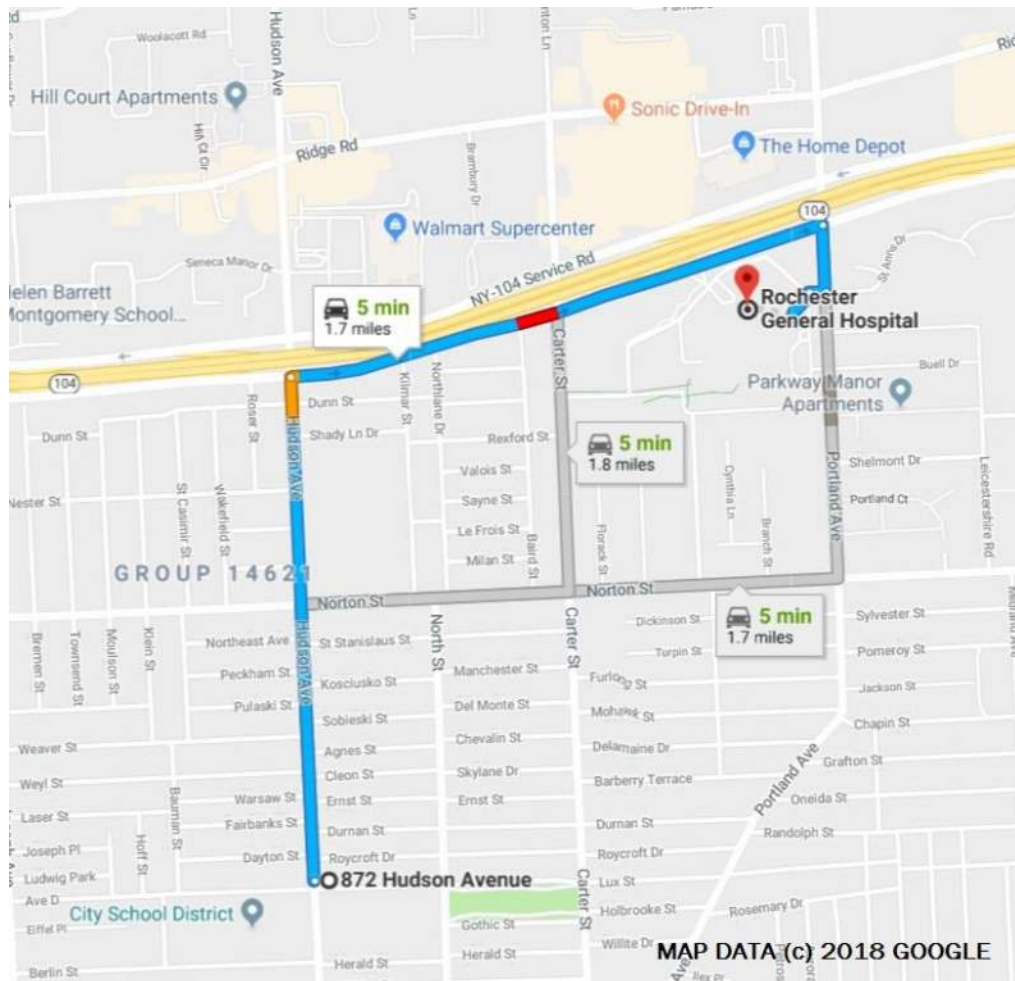
	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Rochester General Hospital	585-922-4000
Poison Control Center:	Finger Lakes Poison Control	716-275-5151
Police (local, state):	Rochester Police Department	911
Fire Department:	Rochester Fire Department	911
Site Contact:	Ms. Carolyn Vitale	585-325-6530
Agency Contact:	NYSDEC – Mr. Michael Barber NYSDOH – To Be Determined	585-226-5459 To Be Determined
Environmental Director:	To Be Determined	To Be Determined
Project Manager:	To Be Determined	To Be Determined
Site Safety Supervisor:	To Be Determined	To Be Determined
Safety Director	To Be Determined	To Be Determined

MAP AND DIRECTIONS TO THE MEDICAL FACILITY - ROCHESTER GENERAL HOSPITAL

Total Est. Time: 5 minutes Total Est. Distance: 1.7 miles

- 1:** Start out going NORTH on HUDSON AVENUE toward ROYCROFT DRIVE 0.7 miles
- 2:** Turn RIGHT onto NY-104 SERVICE ROAD EAST 0.8 miles
- 3:** Turn RIGHT onto PORTLAND AVENUE 0.1 miles
- 4:** Turn RIGHT onto ROCHESTER GENERAL HOSPITAL DRIVE 0.1 miles

End at **1425 Portland Avenue**
Rochester, NY 14621



1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered during the Remedial Investigation (RI) at the Former Wollensack Optical, 872 & 886 Hudson Avenue in the City of Rochester, Monroe County, New York (Site). This HASP only reflects the policies of LaBella Associates D.P.C. The requirements of this HASP are applicable to all approved LaBella personnel at the work site. This document's project specifications, and the Community Air Monitoring Plan (CAMP), are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the USEPA, NYSDEC, OSHA or other regulatory bodies.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- ☐ Management of environmental investigation and remediation activities
- ☐ Environmental Monitoring
- ☐ Collection of samples
- ☐ Management of excavated soil and fill

4.0 Work Area Access and Site Control

The contractor(s) will have primary responsibility for work area access and site control.

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and his instructions must be followed.

5.1 *Hazards Due to Heavy Machinery*

Potential Hazard:

Heavy machinery including trucks, drilling rigs, trailers, etc. will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:

Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses and steel toe shoes are required.

5.2 *Excavation Hazards*

Potential Hazard:

Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:

Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

Personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable. Do not proceed closer than 3 feet to an unsupported or non-sloped excavation side wall.

Fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 *Cuts, Punctures and Other Injuries*

Potential Hazard:

In any excavation and construction work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:

The Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment is not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer.

5.4 *Injury Due to Exposure of Chemical Hazards*

Potential Hazards:

Contaminants identified in testing locations at the Site include various petroleum-related volatile organic compounds (VOCs). Volatile organic vapors, chlorinated solvents or other chemicals may be encountered during subsurface activities at the project work site. Inhalation of high concentrations of volatile organic vapors can cause headache, stupor, drowsiness, confusion and other health effects. Skin contact can cause irritation, chemical burn, or dermatitis.

Protective Action:

The presence of organic vapors may be detected by their odor and by monitoring instrumentation. Approved employees will not work in environments where hazardous concentrations of organic vapors are present. Air monitoring (refer to Section 9.0) of the work area will be performed at least every 60 minutes or more often using a Photoionization Detector (PID). Personnel are to leave the work area whenever PID measurements of ambient air exceed 25 ppm consistently for a 5 minute period. In the event that sustained total volatile organic compound (VOC) readings of 25 ppm are encountered personnel should upgrade personal protective equipment to Level C (refer to Section 8.0) and an Exclusion Zone should be established around the work area to limit and monitor access to this area (refer to Section 6.0).

5.5 *Injuries due to extreme hot or cold weather conditions*

Potential Hazards:

Extreme hot weather conditions can cause heat exhaustion, heat stress and heat stroke or extreme cold weather conditions can cause hypothermia.

Protective Action:

Precaution measures should be taken such as dress appropriately for the weather conditions and drink plenty of fluid. If personnel should suffer from any of the above conditions, proper techniques should be taken to cool down or heat up the body and taken to the nearest hospital if needed.

6.0 **Work Zones**

In the event that conditions warrant establishing various work zones (i.e., based on hazards - Section 5.0), the following work zones should be established:

Exclusion Zone (EZ):

The EZ will be established in the immediate vicinity and adjacent downwind direction of site activities that elevate breathing zone VOC concentrations to unacceptable levels based on field screening. These site activities include contaminated soil excavation and soil sampling activities. If access to the site is required to accommodate non-project related personnel then an EZ will be established by constructing a barrier around the work area (yellow caution tape and/or construction fencing). The EZ barrier shall encompass the work area and any equipment staging/soil staging areas necessary to perform the associated work. The contractor(s) will be responsible for establishing the EZ and limiting access to approved

personnel. Depending on the condition for establishing the EZ, access to the EZ may require adequate PPE (e.g., Level C).

Contaminant Reduction Zone (CRZ):

The CRZ will be the area where personnel entering the EZ will don proper PPE prior to entering the EZ and the area where PPE may be removed. The CRZ will also be the area where decontamination of equipment and personnel will be conducted as necessary.

7.0 Decontamination Procedures

Upon leaving the work area, approved personnel shall decontaminate footwear as needed. Under normal work conditions, detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. Personnel assigned to this project should be prepared with a change of clothing whenever on site.

Personnel will use the contractor's disposal container for disposal of PPE.

8.0 Personal Protective Equipment

Generally, site conditions at this work site require level of protection of Level D or modified Level D; however, air monitoring will be conducted to determine if up-grading to Level C PPE is required (refer to Section 9.0). Descriptions of the typical safety equipment associated with Level D and Level C are provided below:

Level D:

Hard hat, safety glasses, rubber nitrile sampling gloves, steel toe construction grade boots, etc.

Level C:

Level D PPE and full or ½-face respirator and tyvek suit (if necessary). *[Note: Organic vapor cartridges are to be changed after each 8-hours of use or more frequently.]*

9.0 Air Monitoring

According to 29 CFR 1910.120(h), air monitoring shall be used to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Air monitoring will consist at a minimum of the procedure listed below. Air monitoring instruments will be calibrated and maintained in accordance with the manufacturer's specifications.

The Air Monitor will utilize a photoionization detector (PID) to screen the ambient air in the work areas (drilling, excavation, soil staging, and soil grading areas) for total Volatile Organic Compounds (VOCs) and a DustTrak™ Model 8520 aerosol monitor or equivalent for measuring particulates. Work area ambient air will generally be monitored in the work area and downwind of the work area. Air monitoring of the work areas and downwind of the work areas will be performed at least every 60 minutes using a PID and the DustTrak meter.

If sustained PID readings of greater than 25 ppm are recorded in the breathing zone, either personnel are to leave the work area until satisfactory readings are obtained or approved personnel may re-enter the work areas wearing at a minimum a $\frac{1}{2}$ face respirator with organic vapor cartridges for an 8-hour duration (i.e., upgrade to Level C PPE). Organic vapor cartridges are to be changed after each 8-hour use or more frequently, if necessary. If PID readings are sustained, in the work area, at levels above 50 ppm for a 5 minute average, work will be stopped immediately until safe levels of VOCs are encountered or additional PPE will be required (i.e., Level B).

If downwind PID measurements reach or exceed 25 ppm consistently for a 5 minute period downwind of the work area, PID readings will be taken within the buildings (if occupied) on Site to ensure that the vapors are not penetrating any occupied building and effecting the personnel working within. If the PID measurements reach or exceed 25 ppm within the nearby buildings, the personnel should be evacuated via a route in which they would not encounter the work area. The building should then be ventilated until the PID measurements within the building are at or below background levels. It should be noted that the site buildings are currently vacant.

10.0 Emergency Action Plan

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible, wait at the assigned 'safe area' and follow the instructions of the Site Safety Officer.

Employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

11.0 Medical Surveillance

Medical surveillance will be provided to all employees who are injured due to overexposure from an emergency incident involving hazardous substances at this site.

12.0 Employee Training

Personnel who are not familiar with this site plan will receive training on its entire content and organization before working at the Site.

Individuals involved with the remedial investigation must be 40-hour OSHA HAZWOPER trained with current 8-hour refresher certification.

Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(b)(d)	TLV-TWA (ppm)(c)(d)	STEL (ppm)(b)	LEL (%) (e)	UEL (%) (f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Acetone	750	500	NA	2.15	13.2	20,000	Sweet	4.58	9.69
Anthracene	.2	.2	NA	NA	NA	NA	Faint aromatic	NA	NA
Benzene	1	0.5	5	1.3	7.9	3000	Pleasant	8.65	9.24
Benzo (a) pyrene (coal tar pitch volatiles)	0.2	0.1	NA	NA	NA	700	NA	NA	NA
Benzo (a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	10.88
Carbon Disulfide	20	1	NA	1.3	50	500	Odorless or strong garlic type	.096	10.07
Chlorobenzene	75	10	NA	1.3	9.6	2,400	Faint almond	0.741	9.07
Chloroform	50	2	NA	NA	NA	1,000	ethereal odor	11.7	11.42
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethylene	200	200	NA	9.7	12.8	400	Acrid	NA	9.65
1,2-Dichlorobenzene	50	25	NA	2.2	9.2		Pleasant		9.07
Ethyl Alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100	100	NA	1.0	6.7	2,000	Ether	2.3	8.76
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl Alcohol	400	200	500	2.0	12.7	2,000	Rubbing alcohol	3	10.10
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	500	50	NA	12	23	5,000	Chloroform-like	10.2	11.35
Naphthalene	10, Skin	10	NA	0.9	5.9	250	Moth Balls	0.3	8.12
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphoric Acid	1	1	3	NA	NA	10,000	NA	NA	NA
Polychlorinated Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium Hydroxide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane	NA	NA	NA	NA	NA	NA	Sweet	NA	NA
Toluene	100	100	NA	0.9	9.5	2,000	Sweet	2.1	8.82
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45
1,2,4-Trimethylbenzene	NA	25	NA	0.9	6.4	NA	Distinct	2.4	NA
1,3,5-Trimethylbenzene	NA	25	NA	NA	NA	NA	Distinct	2.4	NA
Vinyl Chloride	1	1	NA	NA	NA	NA	NA	NA	NA
Xylenes (o,m,p)	100	100	NA	1	7	1,000	Sweet	1.1	8.56
Metals									
Arsenic	0.01	0.2	NA	NA	NA	100, Ca	NA	NA	NA
Cadmium	0.2	0.5	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	1	0.5	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.05	0.15	NA	NA	NA	700	NA	NA	NA
Mercury	0.05	0.05	NA	NA	NA	28	NA	NA	NA
Selenium	0.2	0.02	NA	NA	NA	Unknown	NA	NA	NA

- (a) Skin = Skin Absorption
- (b) OSHA-PEL Permissible Exposure Limit (flame weighted average, 8-hour): NIOSH Guide, June 1990
- (c) ACGIH – 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003.
- (d) Metal compounds in mg/m3
- (e) Lower Exposure Limit (%)
- (f) Upper Exposure Limit (%)
- (g) Immediately Dangerous to Life or Health Level: NIOSH Guide, June 1990.

- Notes:
1. All values are given in parts per million (PPM) unless otherwise indicated.
2. Ca = Possible Human Carcinogen, no IDLH information.

1.10 COVID-19 HEALTH AND SAFETY PLAN

Name of Business:	LaBella Associates	
Industry:	Professional Services and Construction	
Chief Executive Officer:	Steve Metzger	(585) 295-6223
President:	Jeff Roloson	(585) 295-6224
Senior VP Operations:	Sue Matzat	(585) 295-6617
HR Director:	Michele Ebenhoch	(585) 402-7085
Safety Coordinator:	Steven Szymanski	(585) 295-6633
General Counsel:	Bob Attardo	(585) 770-2555

Background and Purpose

This safety plan details how LaBella Associates will minimize COVID-19 health risks for employees, contractors and visitors. It shall be made available to all employees, and also shall be used as a training guide. This document will be updated as necessary to reflect new developments and/or information related to COVID-19, and shall be conveyed to all affected employees upon update.

About COVID-19

The coronavirus disease 2019, commonly referred to as COVID-19, is a respiratory illness that can spread from person to person. Infection with COVID-19 can cause mild to severe illness and, in some cases, death. Typical symptoms include fever, cough and shortness of breath, but other non-respiratory symptoms have been reported. Asymptomatic cases, or cases with no symptoms at all, have also been documented. According to the U.S. Department of Health and Human Services' Centers for Disease Control and Prevention (CDC), symptoms of COVID-19 may appear in as few as 2 days or as long as 14 days after exposure.

Information posted by the CDC indicates that COVID-19 is a new disease and, therefore, we are still learning about how it spreads and the severity of illness it causes. Per the CDC, the virus is

thought to spread mainly from person-to-person:

- Between people who are in close contact with one another (within about 6 feet).
- Through respiratory droplets produced when an infected person coughs, sneezes or talks.
- These droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs.
- Some recent studies have suggested that COVID-19 may be spread by people who are not showing symptoms.



Contact with surfaces or objects that have been contaminated by the virus followed by touching of the mouth, nose or possibly eyes is another potential means of contracting the virus. Consequently, the CDC recommends that people practice frequent hand washing or disinfection, and that frequently touched surfaces/objects be regularly cleaned and disinfected.

The CDC has determined that older adults and people of any age that have underlying medical conditions, such as asthma, autoimmune deficiencies, chronic lung disease, serious heart conditions etc., might be at a higher risk for severe illness from COVID-19.

It recently was reported that the best safety measure to take to avoid contracting COVID-19 is to maintain more than six (6) feet of distance from other people, followed by wearing a mask/face covering, and then washing your hands frequently/using hand sanitizer. Doing all of the above provides the greatest protection.

More information concerning COVID-19 is available at the CDC website:
www.cdc.gov/coronavirus/2019-ncov.

I. PEOPLE

A. Calling Employees Back to the Office

As states and counties ease stay-at-home restrictions, the process for returning to the office in those regions may begin. However, for reasons of safety and efficiency, the process may not occur as soon as restrictions are lifted. The process also may be done in phases and may require changes to work schedules.

- An office may not reopen unless and until all applicable CDC, State and LaBella guidelines and requirements are met.
- Employees who can work from home are encouraged to continue working from home, provided they are getting their work done effectively and efficiently and billing their best 40 hours each week.
- Anyone who is in a high risk health category shall be strongly encouraged to continue to work from home at all times. Those at higher risk of COVID-19 are:
 - People 65 years old and older
 - People who live in a nursing home or long-term care facility
 - People of all ages with the following underlying medical conditions:
 - chronic lung disease or moderate to severe asthma
 - serious heart conditions
 - immunocompromised, including from cancer treatment, smoking, bone marrow or organ transplantation, immune deficiencies, poorly controlled HIV or AIDS, and prolonged use of corticosteroids and other immune weakening medications
 - severe obesity (body mass index [BMI] of 40 or higher)
 - diabetes
 - chronic kidney disease undergoing dialysis
 - liver disease.



- Consider that if schools/day cares remain closed, a certain percentage of employees may have to continue to work from home.
- In order to reduce the number of employees in the office at the same time, or to separate employees who otherwise work in close proximity to each other, it may be necessary to assign certain employees to work different shifts or days.

If community spread of the virus worsens in a region as a result of restrictions being lifted, work from home procedures may immediately be re-implemented.

B. Physical Distancing

All employees shall maintain a distance of more than 6 feet of separation among individuals at all times, both in the office and in the field, unless safety of the core function of the work activity requires a shorter distance.

Work Stations

- Employees in the office will be seated at workstations so they are at least 6 feet apart in all directions (e.g., side-to-side and when facing one another). When distancing is not feasible between workstations, physical barriers (e.g., cubicle walls, Plexiglas, strip curtains, or other impermeable dividers or partitions) must exist or be erected, provided they do not affect air flow, heating, cooling or ventilation.
- Unacceptable workstation spacing may result in staggering days or shifts for some employees.
- When visiting other workstations, offices and reception areas, individuals must maintain at least 6 feet of separation at all times.

Where practicable, measures should be put in place to reduce bi-directional foot traffic using tape or signs with arrows in narrow aisles, hallways or spaces, and to denote 6 feet of spacing in commonly used areas and any areas in which lines are commonly formed or people may congregate (e.g., copy rooms, kitchens/break rooms, reception areas).

C. Personal Protective Equipment (PPE)

All LaBella employees who work in an office or at a jobsite will wear masks/face coverings. You must wear a mask/face covering, which covers both your nose and mouth, when entering and leaving; anytime you are away from your desk, workstation or private office; while in jobsite trailers; or when it is not possible to maintain 6 feet of physical distancing from other people.

Examples of when masks/face coverings must be worn:

- When entering and exiting an office or jobsite.
- In conference rooms, break rooms, bathrooms, etc.
- When walking around the office, on elevators, and in stairwells.
- When a colleague meets with you at your desk or in your private office, even while maintaining 6 feet of physical distancing.

Masks/face coverings may be removed when:

- Working alone in segregated spaces (e.g., cubicles, private offices), provided no other person is less than 6 feet away in all directions.



- Eating or drinking, while maintaining more than 6 feet of distance from all other people.

This policy is consistent with the CDC guidance for offices, and the requirements of most of the states where LaBella has offices or projects. However, two states – Ohio and Pennsylvania – require that masks/face coverings must be worn at all times. Those state orders govern over this policy. Employees working in Ohio and Pennsylvania, or visiting offices and jobsites in those states, must wear a mask/face covering at all times.

Continuing to work productively from home is the best thing you can do. Individuals infected with the coronavirus can be contagious before displaying symptoms or without ever displaying symptoms. Wearing a mask/face covering primarily protects your colleagues from catching the coronavirus from you, either before you may develop symptoms or if you are asymptomatic, but it provides you with some protection too. Physical distancing and wearing masks/face coverings might mitigate the risk of infection in office workplaces.

LaBella may mandate that all employees must wear a mask/face covering at all times in a particular office or at jobsites in a particular county, when there is worrisome community spread of the virus in that county, and/or if the number of employees in an office or on a floor reaches a higher density.

LaBella shall provide disposable masks/face coverings at no cost to employees, and shall maintain an adequate supply of masks/face coverings for replacement. However, employees are encouraged to purchase their own masks/face coverings for improved comfort, durability and aesthetics. All masks/face coverings must provide full coverage of the nose and mouth. Employees should provide their own masks/face coverings to be worn off duty from work.

Masks/face coverings must be cleaned or replaced after use or when damaged or soiled, may not be shared, and should be properly stored or discarded.

Guidelines for wearing masks/face coverings:

- Before putting on a mask/face covering, clean your hands with alcohol-based hand sanitizer or soap and water.
- Cover mouth and nose with mask/face covering and make sure there are no gaps between your face and the mask/face covering.
- Avoid touching the mask/face covering while using it; if you do, clean your hands with alcohol-based hand sanitizer or soap and water.
- Avoid pulling the entire mask/face covering down or tucking it under your chin - it shall either be fully on or taken off.
- Replace the mask/face covering with a new one as soon as it is damp. If using a homemade cloth mask/face covering, it shall be routinely washed, depending on frequency of use.
- To remove the mask/face covering: remove it from behind your ears (do not touch the front of the mask/face covering); discard immediately in a closed bin; or if it is not soiled, place it into a closed paper bag for storage; then immediately clean hands with alcohol-based hand sanitizer or soap and water.

D. Personal Hygiene

Employees shall practice good personal hygiene while in the office or on the jobsite. This shall include the following safe practices:

- Wash hands frequently with soap and water for at least 20 seconds.



- Use hand sanitizer containing at least 60% alcohol when hand washing is not practical.
- Avoid touching your mouth, nose or eyes prior to washing or sanitizing your hands.
- Wash or sanitize hands prior to, and after removal of face masks.

Soap and water, or hand sanitizer, shall be provided and maintained at each office and jobsite, and in LaBella "pool" vehicles.

E. Travel

Business and Personal Travel

- Non-essential business travel is prohibited.
- Essential business travel is discouraged. The preference is for using Skype, Zoom, Teams, WebEx or conference calls as much as practicable.
- Employees must have Division Director approval for any type of air travel or hotel stays.
- Travel by public transportation (planes/trains/buses) and hotel stays will require a 14 day quarantine upon return from travel. During quarantine, employees cannot report to a LaBella office or a client's office, but may report to a jobsite, provided they strictly follow all guidelines in this document.

LaBella "Pool" Vehicles

- Drivers shall clean/disinfect all commonly touched surfaces of the vehicle prior to, and after, each use.
- Cleaning supplies can be obtained through Steven Szymanski or your local office.
- Drivers shall ensure there are ample supplies left in the vehicle for the next user. This includes wipes, gloves and trash bags.
- Drivers shall properly dispose of all used/soiled materials prior to returning the vehicle.

II. PLACES

A. Preparing the Workplace

To prepare for a full working staff again, supplies must be available, to include:

- Paper towels
 - Hand soap
 - Hand sanitizer
 - Disinfectant Wipes
 - Rubber Gloves
 - Masks/Face Coverings
 - Additional wastebaskets
- Inventories of these items shall increase as they become available.
- Additional hand sanitizer stations should be installed in common areas, such as entry/exit areas, reception areas, restroom areas, coffee/snack areas, and conference rooms.



- Hygiene posters shall be installed at elevators and stairwells, reception areas, break rooms, restrooms, and conference rooms.

B. Cleaning and Disinfection

Regular Office Cleaning

- Janitorial/cleaning services shall be increased however, hand hygiene, safe distancing and masks/face coverings will continue to be our best defense during the pandemic until further notice.
- Regular cleaning and disinfection of offices shall occur, with more frequent cleaning and disinfection for high risk areas used by many individuals and for frequently touched surfaces, such as elevator and door keypads, doorknobs, handles, light switches, tables, countertops, desks, phones, keyboards, toilets, faucets and sinks. In New York, logs must be maintained that include the date, time, and scope of cleaning and disinfection.
- Cleaning and disinfection shall be performed in areas, on surfaces, and pursuant to schedules, in accordance with CDC and State guidelines and requirements.
- If surfaces are dirty, they shall be cleaned by janitorial services using a detergent or soap and water prior to disinfection. To disinfect, they shall use products that meet the CDC's criteria for use against COVID-19.
- For disinfection, most common EPA-registered household disinfectants shall be effective. Follow the manufacturer's instructions for all cleaning and disinfection products (e.g., concentration, application method and contact time, etc.).
- Appropriate cleaning/disinfection supplies, such as disposable wipes, shall be provided so that shared and frequently touched surfaces (e.g., doorknobs, conference room touchscreens, remote controls, copiers, plotters, scanners, and other work tools and equipment) can be wiped down by employees before and after each use.
- All items you touch should be considered contaminated, unless you are in your personally cleaned and maintained work space. It will be important for you to wash with soap and water/sanitize your hands after use of all common items such as tools, copiers, printers, machines, vehicles, elevators, door knobs, security keypads, faucets, coffee machines, etc. The use of gloves may seem like a good idea, but they are not recommended as a replacement for proper hand hygiene.
- Employees shall clean and disinfect their own personal work spaces to his or her standards. This shall include performing routine cleaning and disinfection of workstations, keyboards, telephones, and other related surfaces.

C. Communication

Signs must be posted throughout the office to remind individuals to:

- Cover their nose and mouth with a mask or cloth face-covering.
- Properly store and, when necessary, discard Personal Protective Equipment (PPE).
- Adhere to physical distancing instructions.
- Report symptoms of or exposure to COVID-19, and how employees should do so.
- Follow hand hygiene and cleaning and disinfection guidelines.

D. Gatherings in Enclosed Spaces



In-person gatherings (e.g., meetings, conferences) must be limited to the greatest extent possible, and other methods, such as video and telephone conference calls, should be used whenever possible. In-person meetings should be held in open, well-ventilated spaces, and individuals must maintain more than 6 feet of distance between one another.

Tightly confined spaces (e.g., elevators) will be occupied by only one individual at a time, unless all occupants are wearing masks/face coverings. If a space is occupied by more than one person, the total number of occupants shall be limited to no more than 50% of the maximum occupancy as set by the certificate of occupancy. Ventilation with outdoor air should be increased to the greatest extent possible (e.g., opening windows and doors in individual offices and conference rooms).

Collaboration areas/Break Rooms/Conference Rooms

- Consider closing and prohibiting use of common areas, such as collaboration areas, conference rooms, and break rooms, including food marts, vending machines and coffee machines.
- To the extent such spaces remain open, seating arrangements must be modified to ensure that individuals are at least 6 feet apart in all directions (e.g., side-to-side and when facing one another). Where possible, chairs shall be removed from conference rooms to the point of facilitating safe distancing and stored in a secure location.
- Conference room scheduling software shall be updated to reflect that the rooms hold fewer occupants. If not possible, then signs shall be installed reminding occupants to maintain safe, physical distancing. (*Conference calls shall continue to replace in-person meetings wherever possible and should be promoted as a first option.*)
- The recommended best practice is that employees should refrain from eating lunch together for the time-being. If employees eat lunch together, they must maintain more than 6 feet of separation both side-to-side and when facing one another.

Reception Areas

- Temporary Plexiglas "sneeze guard" screens shall be installed at reception desks or check-in points.
- Seating arrangements must be modified to ensure that individuals are at least 6 feet apart in all directions (e.g., side-to-side and when facing one another). Where possible, chairs shall be removed from reception areas to the point of facilitating safe distancing and stored in a secure location.
- To maintain hygiene, magazines, corporate swag, and pens should be removed from the reception areas.
- Visitors must sign-in on a visitor log which will be provided to each office.
- Hand sanitizer dispensers should be installed and located in plain view.

E. Workplace Activity

Measures must be taken to reduce interpersonal contact and congregation, through methods such as:

- Adjusting workplace hours.
- Reducing in-office workforce to accommodate social distancing guidelines.



- Shifting design (e.g., A/B teams).
- Avoiding multiple teams working in one area by staggering scheduled tasks and using signs to indicate occupied areas.

The sharing of objects, such as laptops, notebooks, touchscreens, and writing utensils, shall be limited, and employees are discouraged from touching shared surfaces, such as conference tables, door knobs, keypads, elevator buttons and coffee machines. When in contact with shared objects or frequently touched areas, employees are encouraged to wash hands with soap and water, or to use hand sanitizer, before and after contact.

Vehicles, Tools, Field Offices and Other Equipment

- Staff shall be minimized to only those required to complete the work.
- All employees shall commute to the site in separate vehicles.
- To the extent possible, vehicles, hand tools and power equipment shall be dedicated for use by one individual on the jobsite. In the event this is not possible, time shall be allowed for disinfection of all items prior to, and after, each use.
- Similarly, heavy equipment shall be dedicated to one operator to the extent possible. All project staff shall be informed each day of the operator designated for each piece of equipment during the morning tailgate meeting. Should project conditions dictate the use of heavy equipment by multiple operators, commonly used surfaces of the equipment shall be disinfected prior to, and after, each use.
- Offices, portable or otherwise, shall be disinfected at least once each day.

Interactions with Members of the General Public

Jobsites may restrict public access, however, in the event there may be minimal interaction with the general public, the following procedures shall be applied:

- A sign shall be posted at the perimeter of the work area indicating that, due to COVID-19 considerations, all questions or comments regarding the project should be communicated via telephone or e-mail using the contacts listed.
- Project staff is to minimize interaction with the public.
- One person shall be designated to handle all interactions with members of the public and shall utilize remote communications if possible.
- Social distancing and face covering guidelines shall be observed during any interaction with the general public.

Office and Jobsite Visitors

All visitors shall be instructed by their host on the following procedures prior to their visit:

- Visitors who are feeling ill shall not visit our offices or jobsites.
- Visitors must wear a mask/face covering immediately prior to entering our offices and jobsites, and at all times while in our offices and at our jobsites.
- Visitors shall report to reception or jobsite trailers upon arrival, sanitize their hands, and complete a visitor log. All visitors must provide contact information. In the event we subsequently learn of an employee, contractor or another visitor who tests positive for COVID-19 or develops symptoms of COVID-19, this information may then be used by LaBella and/or local health departments to contact the visitor regarding potential exposure to the coronavirus.
- Visitors must sign in and sign out.



- Visitors must be escorted at all times.
- Wherever possible, meetings with visitors in our offices should occur in conference rooms closest to entrances and reception areas in order to minimize visitors traveling through our offices.
- In New York, all visitors must complete a health screening questionnaire immediately prior to visiting our offices and jobsites. If the visitor answers "Yes" to any of the questions regarding COVID-19 symptoms, positive test results, or close contact with a person confirmed or suspected of having COVID-19, the visitor shall be prohibited from entering our office or jobsite.

III. PROCESS

A. Screening

All Employees

- All employees are expected to monitor their health conditions daily, and must stay home if they are not feeling well.
- All employees are strongly encouraged each workday to take their temperature at home immediately before leaving for the office or jobsite. If you have a fever (a temperature of 100.4 degrees or higher), you must stay home and continue to monitor your health.

New York Offices and Jobsites

- All employees who will be or who are working in a New York office location or at a New York project site must complete a health screening questionnaire immediately before leaving home or entering any office or project site in NY. This questionnaire must be completed every day prior to reporting to an office or project site for any length of time.
- The questionnaire must ask whether individuals have (1) experienced any COVID-19 symptoms in the past 14 days, (2) tested positive for COVID-19 in the past 14 days, and/or (3) had close contact with any confirmed or suspected COVID-19 cases in the past 14 days.
- The questionnaire does not have to be completed - and should not be completed - on any day that you are working from home, not working (like PTO) or will not be in NY. However, you must fill out the questionnaire if you will be stopping into an office or a project site even for just a brief time.
- If you answer "YES" to any of the health questions, you must not report to the office or project site. Instead, contact HR for further direction.
- Assessment responses shall be reviewed every day, and such review must be documented.

Pennsylvania Offices and Jobsites

- All employees who will be or who are working in a Pennsylvania office location or at a Pennsylvania project site must take their temperature daily before entering the office or jobsite.
- If you have a fever (a temperature of 100.4 degrees or higher), you must not enter the office or project site. Instead, contact HR for further direction.



- LaBella is prohibited by law from keeping records of employee temperatures.

Reporting Illness

If an employee experiences symptoms of COVID-19, or someone observes that another employee is exhibiting symptoms of COVID-19, it must be reported to the Director of HR, Michele Ebenhoch, immediately. If COVID-19 is suspected, the employee will be sent home and asked to contact a healthcare professional.

- Symptoms of COVID-19 are:
 - Fever or chills
 - Cough
 - Shortness of breath or difficulty breathing
 - Fatigue
 - Muscle or body aches
 - Headache
 - New loss of taste or smell
 - Sore throat
 - Congestion or runny nose
 - Nausea or vomiting
 - Diarrhea
- If a COVID-19 test is warranted by the healthcare professional, the employee shall complete the test and remain home awaiting the results.
- If COVID-19 is suspected by a healthcare professional, but testing is unavailable, this shall be treated as a positive test result.

Positive Test or Symptoms of COVID-19

An employee who tests positive for COVID-19 or experiences symptoms of COVID-19 shall not return to work until:

- Completing at least 10 days of isolation since the positive test/onset of symptoms, and
- He or she has received 2 negative tests in a row, at least 24 hours apart (pending test availability), or
- If he or she is not tested again, then only when:
 - Symptoms have improved and the employee is capable of working; and
 - The employee is free of fever for at least 72 hours, without the use of fever reducing medications.

COVID-19 Exposure (close contact)

- Close contact is defined as being within 6 feet of an infected person for at least 10 minutes at any time during the period beginning 48 hours before the infected person first developed symptoms of COVID-19 or took a test that returned positive and continuing until the time the infected person was isolated.
- If an employee has had close contact with a person (e.g., another employee or a member of your household) with COVID-19 and the employee does not have symptoms of COVID-19 him or herself, the employee must self-quarantine for 14 days.
- If an employee has had close contact with a person with COVID-19 and the employee is or becomes symptomatic, the employee should notify HR and follow the above



protocols for a positive case. Even if the symptoms are deemed not related to COVID-19, the employee must complete at least 10 days of isolation from the onset of symptoms.

B. Contact Tracing and Disinfection of Contaminated Areas

Each office and jobsite must maintain a continuous log of every person, including workers and visitors, who may have close contact with other individuals at the work site or area, excluding deliveries that are performed with appropriate PPE or through contactless means. For each location, an employee shall be designated to be in charge of maintaining the log of each person that enters the site.

If an employee tests positive for COVID-19, LaBella shall immediately notify state and local health departments, and cooperate with contact tracing efforts, including notification of potential contacts, such as workers or visitors who had close contact with the infected individual, while maintaining confidentiality required by state and federal law and regulations.

In the event of a confirmed case of COVID-19 in the workplace, all employees in that office shall be notified and advised to self-monitor for symptoms for at least 14 days from the date of possible exposure. Employees who were in close contact with the infected employee may be instructed to self-quarantine/work from home for 14 days while self-monitoring for symptoms. During that time, if any employee experiences symptoms of COVID-19, it must be reported to the Director of HR, Michele Ebenhoch.

All confirmed cases of COVID-19 that occur in the workplace, and meet the criteria for OSHA reporting, shall be so reported, but shall otherwise be handled in the strictest confidence. Employee health information, including contracting COVID-19, is confidential medical information, and LaBella is prohibited by law from disclosing that a particular employee has COVID-19. We will only be able to inform employees that a "co-worker" in their office or with whom they were in close contact has tested positive or has symptoms of COVID-19.

Cleaning and disinfection if someone is suspected or confirmed to have COVID-19

- Janitorial/cleaning services shall perform enhanced cleaning and disinfection after persons suspected/confirmed to have COVID-19 have been in the facility.
- If more than seven days have passed since the person who is suspected or confirmed to have COVID-19 visited or used the facility, additional cleaning and disinfection is not necessary, but routine cleaning and disinfection will continue.
- Close off areas used by the person who is suspected or confirmed to have COVID-19. The entire office or project site does not have to be closed, if it is possible to just close off the affected area(s).
- Common areas (e.g., elevators, lobbies, building entrances) must be closed and cleaned and disinfected.
- Where possible, open outside doors and windows or use ventilation fans to increase air circulation in the area.
- Wait 24 hours before cleaning and disinfection. If 24 hours is not feasible, wait as long as possible.



- Clean and disinfect all areas used by the person suspected or confirmed to have COVID-19, such as workstations, bathrooms, common areas, and shared equipment.
- Once the area has been appropriately cleaned and disinfected, it can be reopened for use.
 - Employees who did not have close contact with the person suspected or confirmed to have COVID-19 can return to the work area immediately after cleaning and disinfection.
 - Employees who did have close contact will undergo a 14-day quarantine.

IV. OTHER

The aforementioned policies and procedures are subject to change in order to meet or exceed CDC recommendations, as well as to remain compliant with federal and local governments and health officials.

Employees failing to follow the aforementioned procedures shall be subject to disciplinary measures, as described in the Disciplinary Policy 1.09 of the LaBella Safety Manual.





APPENDIX 4

NYSDOH Generic Community Air Monitoring Plan

Appendix 1A

New York State Department of Health Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.
4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.



APPENDIX 5

Quality Control Plan



Quality Control Program (QCP)

Site Location:

Former Wollensack Optical
872 & 886 Hudson Avenue
Rochester, New York

October 2018

300 State Street, Suite 201 | Rochester, NY 14614 | p 585-454-6110 | f 585-454-3066

www.labellapc.com

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1.0 Introduction

LaBella's Quality Control Program (QCP) is an integral part of its approach to environmental investigations. By maintaining a rigorous QC program, our firm is able to provide accurate and reliable data. This QCP should be followed during implementation of environmental investigation and remediation projects and should serve as a basis for quality control methods to be implemented during field programs. Project-specific requirements may apply.

The QC program contains procedures which allow for the proper collection and evaluation of data and documents that QC procedures have been followed during field investigations. The QC program presents the methodology and measurement procedures used in collecting quality field data. This methodology includes the proper use of equipment, documentation of sample collection, and sample handling procedures.

Procedures used in the firm's QC program are compatible with federal, state, and local regulations, as well as, appropriate professional and technical standards.

This QC program includes the following:

- QC Objectives and Checks
- Field Equipment, Handling, and Calibration
- Sampling and Logging Techniques
- Sample Handling, Packaging, and Shipping
- Laboratory Requirements and Deliverables

It should be noted that project-specific work plans (e.g., Remedial Investigation Work Plans) may have project specific details that will differ from the procedures in this QC program. In such cases, the project-specific work plan should be followed (subsequent to regulatory approval).

The characteristics of major importance for the assessment of generated data are accuracy, precision, completeness, representativeness, and comparability. Application of these characteristics to specific projects is addressed later in this document. The characteristics are defined below.

1.1 Accuracy

Accuracy is the degree of agreement of a measurement or average of measurements with an accepted reference or "true" value and is a measure of bias in the system.

1.2 Precision

Precision is the degree of mutual agreement among individual measurements of a given parameter.

1.3 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions.

1.4 Representativeness

Representativeness expresses the degree to which data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition

Careful choice and use of appropriate methods in the field will ensure that samples are representative. This is relatively easy with water or air samples since these components are homogeneously dispersed. In soil and sediment, contaminants are unlikely to be evenly distributed, and thus it is important for the sampler and analyst to exercise good judgment when removing a sample.

1.5 Comparability

Comparability expresses the confidence with which one data set can be compared to another. The data sets may be inter- or intra- laboratory.

2.0 Measurement of Data Quality

2.1 Accuracy

Accuracy of a particular analysis is measured by assessing its performance with "known" samples. These "knowns" take the form of EPA standard reference materials, or laboratory prepared solutions of target analytes spiked into a pure water or sample matrix. In the case of gas chromatography (GC) or GC/MS (mass spectrometry) analyses, solutions of surrogate compounds are used. These solutions can be spiked into every sample and are designed to mimic the behavior of target analytes without interfering with their determination.

In each case the recovery of the analyte is measured as a percentage, correcting for analytes known to be present in the original sample if necessary, as in the case of a matrix spike analysis. For EPA supplied known solutions, this recovery is compared to the published data that accompany the solution.

For the firm's prepared solutions, the recovery is compared to EPA-developed data or the firm's historical data as available. For surrogate compounds, recoveries are compared to EPA CLP acceptable recovery tables.

If recoveries do not meet required criteria, then the analytical data for the batch (or, in the case of surrogate compounds, for the individual sample) are considered potentially inaccurate. The analyst or his supervisor must initiate an investigation of the cause of the problem and take corrective action. This can include recalibration of the instrument, reanalysis of the QC sample, reanalysis of

the samples in the batch, or flagging the data as suspect if the problems cannot be resolved. For highly contaminated samples, recovery of the matrix spike may depend on sample homogeneity. As a rule, analyses are not corrected for recovery of matrix spike or surrogate compounds.

2.2 Precision

Precision of a particular analysis is measured by assessing its performance with duplicate or replicate samples. Duplicate samples are pairs of samples taken in the field and transported to the laboratory as distinct samples. Their identity as duplicates is typically not known to the laboratory. For most purposes, precision is determined by the analysis of replicate pairs (i.e., two samples prepared at the laboratory from one original sample). Often in replicate analysis the sample chosen for replication does not contain target analytes so that quantitation of precision is impossible. For EPA CLP analyses, replicate pairs of spiked samples, known as matrix spike/matrix spike duplicate samples, are used for precision studies. This has the advantage that two real positive values for a target analyte can be compared.

Precision is calculated in terms of Relative Percent Difference (RPD).

- Where X_1 and X_2 represent the individual values found for the target analyte in the two replicate analyses or in the matrix spike/matrix spike duplicate analyses.
- RPDs must be compared to the method RPD for the analysis. The analyst or his supervisor must investigate the cause of RPDs outside stated acceptance limits. This may include a visual inspection of the sample for non-homogeneity, analysis of check samples, etc. Follow-up action may include sample reanalysis or flagging of the data as suspect if problems cannot be resolved.
- During the data review and validation process, field duplicate RPDs are assessed as a measure of the total variability of both field sampling and laboratory analysis.

2.3 Completeness

Completeness for each parameter is calculated as follows:

- The firm's target value for completeness for all parameters is 100%. A completeness value of 95% will be considered acceptable. Incomplete results will be reported to the site managers. In planning the field sample collection, the site manager will plan to collect field duplicates from identified critical areas. This procedure should assure 100% completeness for these areas.

2.4 Representativeness

The characteristic of representativeness is not quantifiable. Subjective factors to be taken into account are as follows:

- The degree of homogeneity of a site;
- The degree of homogeneity of a sample taken from one point in a site; and
- The available information on which a sampling plan is based.

To maximize representativeness of results, sampling techniques and sample locations will be carefully chosen so that they provide laboratory samples representative of the site and the specific area. Within the laboratory, precautions are taken to extract from the sample bottle an aliquot representative of the whole sample. This includes premixing the sample and discarding pebbles from soil samples.

2.5 Comparability

Comparability of laboratory tests is ensured by utilizing only New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)- certified laboratories. This certification is the basis for demonstrating proficiency in testing requirements. Using ELAP certified laboratories will result in consistency amongst analytical data within a specific project and across projects.

3.0 Quality Control Targets

Target values for detection limit, percent spike recovery and percent "true" value of known check standards, and RPD of duplicates/replicates are included in the QCP, Analytical Procedures. Note that tabulated values are not always attainable. Instances may arise where high sample concentrations, non-homogeneity of samples, or matrix interferences preclude achievement of target detection limits or other quality control criteria. In such instances, the firm will report reasons for deviations from these detection limits or noncompliance with quality control criteria.

4.0 Soil Boring Advancement & Monitoring Well Installation Procedures

Soil and groundwater sampling shall be conducted in accordance with NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation dated May 3, 2010 and any Site-specific work plans.

Prior to drilling, all drill sites will be cleared with appropriate utility companies to avoid potential accidents relating to underground utilities. Utility drawings will be reviewed, if available.

4.1 Drilling Equipment and Techniques

Direct Push Geoprobe Advanced Borings:

Soil borings and monitoring wells will be advanced with a Geoprobe direct push sampling system. The use of direct push technology allows for rapid sampling, observation, and characterization of relatively shallow overburden soils. The Geoprobe utilizes a four to five-foot macrocore sampler, with disposable polyethylene sleeves. Soil cores will be retrieved in four or five-foot sections, and can be easily cut from the polyethylene sleeves for observation and sampling. The macrocore sampler will be decontaminated between boring locations using an alconox and water solution.

Prior to initiating drilling activities, the Macrocores, drive rods, and pertinent equipment, will be steam cleaned or washed with an alconox and water solution. This cleaning procedure will also be used between each boring. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 2-inch (or larger) inside diameter (ID) direct push Macrocore through overburden soils. Drilling fluids, other than potable water will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

During the drilling, a properly calibrated photoionization detector (PID) will be used to screen soil cores retrieved from the Macrocores.

Direct Push Geoprobe advanced groundwater-monitoring wells typically utilize minimum 1.25-inch threaded flush joint PVC pipe with 0.010-in. slotted screen or pre-packed well screens. PVC piping used for risers and screens will conform to the requirements of ASTM-D 1785 Schedule 40 pipe.. All materials used to construct the wells will be NSF/ASTM approved. Solvent PVC glue shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated cap or plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well. Stainless steel wells or pre-packed PVC wells may be used if specified in the work plan and approved by the NYSDEC.

Hollow-Stem Auger Advanced Borings:

The drilling and installation of soil borings and monitoring wells will be performed using a rotary drill rig which will have sufficient capacity to perform 4 1/4-inch inside diameter (ID) hollow-stem auger drilling in the overburden, retrieve Macrocore or split-spoon samples, and perform necessary rock coring using NX, NQ, HQ or core barrel size as specified in the project-specific work plan. The borehole may be reamed up to 5 1/2-inch diameter prior to monitoring well installation as cased hole in the bedrock, or may be left as open bedrock hole, with regulatory concurrence. Equipment sizes and diameters may vary based on project-specific criteria. Any investigative derived waste generated during the advancement of soil borings and monitoring well installations will be containerized and characterized for proper disposal.

Prior to initiating drilling activities, the augers, rods, Macrocore, split spoons, and other pertinent equipment will be steam cleaned or washed with an alconox and water solution. This cleaning procedure will also be used between each boring. Steam cleaning activities will be performed in a designated on-site decontamination area. During and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 4 1/4-inch (ID) hollow stem augers through overburden, and cored with a NX, NQ, HQ or core barrel size as specified in the project-specific work plan sized diamond core barrels in competent rock, driven by truck-, track-, or trailer-mounted drilling equipment. Alternative methods of drilling or equipment may be allowed or requested for project-

specific criteria, but must be approved by the NYSDEC. Drilling fluids, other than water from a NYSDEC-approved source, will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

During the drilling, a (PID) will be used to screen soils retrieved from the split spoons or Macrocores. In the event that headspace field screening is required to determine the presence of VOCs in soil samples, the following procedure will be utilized:

- Soils from core will be inserted into an airtight glass jar and/or disposable polyethylene bag, and the container will be sealed immediately
- After sealing the container, the soils will be shaken or kneaded for 10-15 seconds to release volatiles into the headspace of the sealed container
- The PID inlet will be inserted into the headspace of the airtight container to screen soil samples for VOCs

During the drilling, visual screening will be utilized to identify any Non-Aqueous Phase Liquid (NAPL) in the soil cores.

Where bedrock wells are required, test borings shall be advanced into rock with NX, NQ, HR (or similar) coring tools. Only water from an approved source shall be used in rock coring. The consultant shall monitor and record the petrology, core recovery, fractures, rate of advance, and water lost or produced in each test boring. The Rock Quality Determination (RQD) value shall be calculated for each 5-foot core. Each core shall be screened with a PID upon extraction. All core samples shall be retained and stored by the consultant in an approved wooden core box for a period of not less than one year.

The method selected may be percussion or rotary drilling. The method and equipment selected must be capable of penetrating the bedrock at each well location to a depth required by the work plan.

Bedrock well installation will involve construction of a rock socket in the weathered bedrock. The socket will be drilled into the top of rock (typically 1-ft. to 5-ft. into the top of rock) at each bedrock well location to allow a permanent steel casing to be grouted securely in place prior to completion of the well. The purpose for this is to provide a seal at the overburden/bedrock interface and into the upper bedrock surface, to prevent the entrance of overburden water into the bedrock. After the grout and casing have set up for a minimum of 12 hours, the remaining bedrock can be NX (or similar) cored through the steel casing to a depth determined by the project-specific work plan.

Bedrock wells will either be open coreholes in the rock or consist of threaded, flush-joint PVC piping. Construction will vary depending on the project and as such, specific construction of the wells will be detailed in the project-specific work plan. Bedrock wells which do utilize PVC piping for risers and screens will conform to the requirements of ASTM-D 1785 Schedule 40 pipe. All materials used to construct the wells will be NSF/ASTM approved.

Screen and riser sections shall be joined by flush-threaded coupling to form watertight unions that retain 100% of the strength of the casing. Solvent PVC glue shall not be used at any time in the

construction of the wells. The bottom of the screen shall be sealed with a treated cap or plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well.

4.1.1 Artificial Sand Pack

When utilized, granular backfill will be chemically and texturally clean, inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The sand pack will be installed using a tremie pipe, when possible (i.e., a tremie pipe may not fit into smaller, 2-in. diameter boreholes). When utilized, the well screen and casing will be installed, and the sand pack placed around the screen and casing to a depth extending at least 2-ft.. A pre-packed well screen may be used if pre-approved by the NYSDEC.

An artificial sand pack will not be utilized in bedrock wells without screens (i.e., open borehole wells).

4.1.2 Bentonite Seal

A minimum 2-ft. thick seal will be placed directly on top of the sand pack, and care will be taken to avoid bridging. In the event that Site geology does not allow for a 2-ft. seal (e.g., only 1-ft. of space remains between the top of the sand pack and ground surface), the remaining space in the annulus will be filled with bentonite.

4.1.3 Grout Mixture

Upon completion of the bentonite seal, the well may be grouted with a non-shrinking cement grout (e.g., Volclay[®]) mix to be placed from the top of the bentonite seal to the ground surface. The cement grout shall consist of a mixture of Portland cement (ASTM C 150) and water, in the proportion of not more than 7 gallons of clean water per bag of cement (1 cubic foot or 94 pounds). Additionally, 3% by weight of bentonite powder may be added.

4.1.4 Surface Protection

At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable cap shall be installed to prevent material from entering the well. Where permanent wells are to be installed, the well riser shall be protected by a flush mounted road box set into a concrete pad or locking well cap for stick-up wells. A concrete pad, sloped away from the well, shall be constructed around the flush mount road box or stick-up casing at ground level.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction shall be capped with a watertight cap.

4.2 Surveying

Coordinates and elevations will be established for each monitoring well and sampling location. Elevations to the closest 0.01 foot shall be used for the survey. These elevations shall be referenced to a regional, local, or project-specific datum. The location, identification, coordinates,

and elevations of the wells will be plotted on maps with a scale large enough to show their location with reference to other structures at each site.

4.3 Well Development

After completion of the well, but not sooner than 24 hours after grouting is completed, development will be accomplished using pumping, bailing, or surge blocking. No dispersing agents, acids, disinfectants, or other additives will be used during development or introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point).

Development water will be either properly contained and treated as waste until the results of chemical analysis of samples are obtained or discharged on Site as determined by the Site-specific work plans and/or consultation with the NYSDEC representatives on Site.

The development process will continue until removal of a minimum of 110% of the water lost during drilling, three well volumes; whichever is greater, or as specified in the work plan. In the event that limited recharge does not allow for the recovery of all drilling water lost in the well or three (3) well volumes, the well will be allowed to stabilize to conditions deemed representative of groundwater conditions. Stabilization periods will vary by project but will be confirmed with the NYSDEC prior to sampling.

4.4 PFAS Soil Sampling Procedure

Soil samples for PFAS analysis will be collected using PFAS-Free equipment. Samples will be collected in bottleware provided by the laboratory. Because PFAS are found in numerous everyday items, the following special precautions will be taken during sampling activities:

- No use of Teflon®-containing materials (e.g., Teflon® tubing, bailers, tape, sample jar lid liners, plumbing paste).
- No use of low density polyethylene (LDPE)-containing materials.
- No Tyvek® clothing will be worn by samplers.
- Clothes treated with stain-resistant or rain-resistant coatings (e.g., Gortex®) will be not be worn by samplers.
- All clothing worn by sampling personnel must have been laundered multiple times.
- No fast food wrappers, disposable cups or microwave popcorn will be within the vicinity of the wells/ samples.
- There will be no use of chemical (blue) ice packs, aluminum foil, or Sharpies® within the vicinity of the wells/ samples.
- No use of sunscreen, insect repellants, cosmetic, lotions or moisturizers will be allowed by sampling personnel the day of sampling.
- If any of the above items are handled by the field personnel prior to sampling activities, field personnel will wash their hands thoroughly with soap and water prior to any sampling activities.
- Powder-free nitrile gloves will be worn during all sample collection activities.

Quality assurance/ quality control (QA/QC) samples for PFAS sampling will include one (1) field duplicate, one (1) matrix spike / matrix spike duplicates (MS/MSD) and one (1) equipment blank. The procedures and rationale for collecting these samples are described below.

- **Field duplicate** – Sample will be used to assess the variability in concentrations of samples from the same well due to the combined effects of sample processing in the field and laboratory as well as chemical analysis.
- **Matrix spike/matrix spike duplicate** – Sample will be used to provide information about the effect of the sample matrix on the design and measurement methodology used by the laboratory.
- **Equipment blank** – Sample will be collected to help identify possible contamination from sampling equipment (i.e., shovel, soil core, etc.).

PFAS samples will be submitted to an Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis of the full PFAS target analyte list (21 compounds listed in the NYSDEC Guidance) via modified USEPA Method 537 with a method detection limit not to exceed 1 ug/kg. Note, the laboratory utilized will be ELAP certified for PFOA and PFOS in drinking water by EPA method 537 or ISO 25101 as ELAP does not currently offer certification for PFAS compounds in matrices other than finished drinking water.

5.0 Geologic Logging and Sampling

At each investigative location, borings will be advanced through overburden using either a drill rig and hollow-stem auger or direct push technology (split spoons or Macrocore). Soils will be evaluated for visual and olfactory evidence of impairment (i.e., staining, odors, and elevated PID readings) by a qualified individual. Sampling devices will be decontaminated according to procedures outlined in the Decontamination section of this document. When utilized, split-spoon samplers will be driven into the soil using a minimum 140-pound safety hammer and allowed to free-fall 30-inches, in accordance with ASTM-D 1586-84 specifications. The number of blows required to drive the sampler each 6-inches of penetration will be recorded. When required, samples will be stored in the appropriate bottleware (refer to Section 10) until analysis or deemed unnecessary.

In the event that maximum design depth of investigation is reached and hydrogeologic conditions are not suitable for well installation, the maximum drilling depth may be revised.

Boulders and bedrock encountered during well installation may be cored by standard diamond-core drilling methods using an NX, NQ, HQ size core barrel or other if specified in the project-specific work plan. All rock cores recovered will be logged by a qualified individual, and stored in labeled wooden core boxes. The cores will be stored by the firm until the project is completed or for at least one year. Drilling logs will be prepared by a qualified individual who will be present during drilling operations. One copy of each field boring and well construction log and groundwater data, will

typically be submitted as part of the investigation summary report (e.g., Remedial Investigation Report). The RQD value shall be calculated for each 5-foot section. Information provided in the logs shall include, but not be limited to, the following:

- Date(s), test hole identification, and project identification;
- Name of individual developing the log;
- Name of driller and assistant(s);
- Drill, make and model, auger size;
- Identification of alternative drilling methods used and justification thereof (e.g., rotary drilling with a specific bit type to remove material from within the hollow stem augers);
- Standard penetration test (ASTM D-1586) blow counts;
- Field diagram of each monitoring well installed with the depth to bottom of well/ screen, top of screen, length of riser, depth of steel casing, depths of sand pack, bentonite seal, grout, type of well completion etc.;
- Depth of each change of stratum;
- Identification of the material of which each stratum is composed, according to the USCS system or standard rock nomenclature, as appropriate;
- Depth interval from which each sample was taken, sample identification, and sample time;
- Depth at which hole diameters (bit sizes) change;
- Depth at which groundwater is encountered;
- Drilling fluid and quantity of water lost during drilling;
- Depth or location of any loss of tools or equipment;
- Depths of any fractures, joints, faults, cavities, or weathered zones

6.0 Groundwater Sampling Procedures

The groundwater in all new monitoring wells will be allowed to stabilize for at least 1week following development prior to sampling. Water levels will be measured to within 0.01 feet prior to purging and sampling. Sampling of each well will typically be accomplished in one of two ways; active or passive.

Active Sampling:

Active sampling includes bailing or pumping. Purging will be completed prior to active sampling if specified in the project-specific work plan. During purging, the following will be recorded in field books or groundwater sampling logs:

- date
- purge start time
- weather conditions
- presence of NAPL, if any, and approximate thickness
- pump rate
- pH
- dissolved oxygen
- temperature

- conductivity
- redox
- turbidity
- depth of well
- depth to water
- depth to pump intake
- purge end time
- volume of water purged

During low flow sampling, the water quality parameters including pH, conductivity, temperature, dissolved oxygen, redox, water level drawdown, and turbidity will be recorded at five (5) minute intervals. Samples will be collected after the parameters have stabilized for three (3) consecutive 5-minute intervals to within the specified ranges below:

- Water level drawdown (<0.3')
- Turbidity (+/- 10%, < 50-NTU for Metals Samples)
- pH (+/-0.1)
- Temperature (+/- 3%)
- Specific conductivity (+/- 3%)
- Dissolved Oxygen (+/- 10%)
- Oxidation reduction potential (+/- 10 millivolts)

Passive Sampling:

Groundwater samples will be collected via passive methods (i.e., no-purge) according to the following procedures and in the volumes specified in Table 10-1:

Samples will be collected via passive diffusion bag (PDB) samplers. PDB samplers are made of low-density polyethylene plastic tubing (typically 4 mil), filled with laboratory grade (ASTM Type II) deionized water and sealed at both ends.

- Pre-filled PDBs will not be stored for longer than 30 days and will be kept stored at room temperature in a sealed plastic bag until ready to use.
- PDBs filled in the field will be used immediately and not stored for future use.
- PDB samplers will only be used to collect groundwater samples which will be analyzed for VOCs.
- Mesh covers will be utilized for open rock holes as to not puncture the PDB and will be secured to the bag using zip-ties.
- PDB samplers will be deployed by hanging in the well at the depth(s) specified in the project-specific work plan. The depth at which the PDB is deployed will be recorded on the groundwater sampling form. The PDB samplers will be deployed at least 14 days prior to sampling;
- When transferring water from the PDB to sample containers, care will be taken to avoid agitating the sample, since agitation promotes the loss of volatile constituents;

- Gloves will be changed between collection of each PDB and tools used to open the PDB will be decontaminated with an alconox and potable water solution between each PDB;
- Any volume not used will be treated as investigation derived waste;
- Any observable physical characteristics of the groundwater (e.g., color, sheen, odor, turbidity) at the time of sampling will be recorded; and
- Weather conditions (i.e., air temperature, sky condition, recent heavy rainfall, drought conditions) at the time of sampling will be recorded.

6.1 PFAS Groundwater Sampling Procedure

Samples for PFAS analysis will be collected using PFAS-Free equipment, specifically a dedicated disposable high density polyethylene (HDPE) or PVC bailers, and/or low-flow sampling equipment with PFAS-Free components. Samples will be collected in bottleware provided by the laboratory. Because PFAS are found in numerous everyday items, the following special precautions will be taken during sampling activities:

- No use of Teflon®-containing materials (e.g., Teflon® tubing, bailers, tape, sample jar lid liners, plumbing paste).
- No use of low density polyethylene (LDPE)-containing materials.
- No Tyvek® clothing will be worn by samplers.
- Clothes treated with stain-resistant or rain-resistant coatings (e.g., Gortex®) will be not be worn by samplers.
- All clothing worn by sampling personnel must have been laundered multiple times.
- No fast food wrappers, disposable cups or microwave popcorn will be within the vicinity of the wells/ samples.
- There will be no use of chemical (blue) ice packs, aluminum foil, or Sharpies® within the vicinity of the wells/ samples.
- No use of sunscreen, insect repellants, cosmetic, lotions or moisturizers will be allowed by sampling personnel the day of sampling.
- If any of the above items are handled by the field personnel prior to sampling activities, field personnel will wash their hands thoroughly with soap and water prior to any sampling activities.
- Powder-free nitrile gloves will be worn during all sample collection activities.

Quality assurance/ quality control (QA/QC) samples for PFAS sampling will include one (1) field duplicate, one (1) matrix spike / matrix spike duplicates (MS/MSD) and one (1) equipment blank. The procedures and rationale for collecting these samples are described below.

- **Field duplicate** – Sample will be used to assess the variability in concentrations of samples from the same well due to the combined effects of sample processing in the field and laboratory as well as chemical analysis.
- **Matrix spike/matrix spike duplicate** – Sample will be used to provide information about the effect of the sample matrix on the design and measurement methodology used by the

laboratory.

- **Equipment blank** – Sample will be collected to help identify possible contamination from sampling equipment (i.e., bailer). One equipment blank will be collected by pouring laboratory certified analyte-free deionized water over a bailer into the sample container.

PFAS samples will be submitted to an Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis of the full PFAS target analyte list (21 compounds listed in the NYSDEC Guidance) via modified USEPA Method 537 with a method detection limit not to exceed 2 ng/L. Note, the laboratory utilized will be ELAP certified for PFOA and PFOS in drinking water by EPA method 537 or ISO 25101 as ELAP does not currently offer certification for PFAS compounds in matrices other than finished drinking water.

7.0 Soil Vapor Intrusion Sampling Procedures

Soil vapor intrusion (SVI) sampling is to be conducted in accordance with the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 and subsequent updates. Tracer gas testing is to be conducted for sub-slab sampling points to ensure concentrations of the tracer gas are not detected in the sub-slab at greater than 10% of the concentration detected in the atmosphere. An outdoor air sample is to be collected at an upwind direction as a control. A building inventory should be completed to document building construction information and identify products that may be contributing to the levels in indoor air.

8.0 Radiation Screening Procedures

A building and soil cover walkover survey will be completed by a NYSDEC Radioactive Materials Licensed (RML) Contractor.

The RML Contractor will also provide training and oversight to LaBella personnel during implementation of the overburden soil and groundwater and shallow bedrock groundwater evaluations.

Based on the project-specific aspects of the radiation screening, detailed procedures are included in Section 6.1.1 of the RIWP.

9.0 Field Documentation

9.1 Daily Logs/ Field Notebook

Daily logs are necessary to provide sufficient data and observations to enable participants to reconstruct events that occurred during the project and to refresh the memory of the field personnel if called upon to give testimony during legal proceedings. Daily logs may be kept in a project-specific notebook labelled with the project name/ number and contact information.

The daily log is the responsibility of the field personnel and will include:

- Name of person making entry;
- Start and end time of work;
- Names of team members on-site;
- Changes in required levels of personnel protection:
 - Level of protection originally used;
 - Changes in protection, if required; and
 - Reasons for changes.
- Air monitoring locations, start and end times, and equipment identification numbers;
- Summary of tasks completed;
- Summary of samples collected including location, matrix, etc.;
- Field observations and remarks;
- Weather conditions, wind direction, etc.;
- Any deviations from the work plan;
- Initials/ signature of person recording the information.

As with any data logbooks, no pages will be removed for any reason. If corrections are necessary, these must be made by drawing a single line through the original entry (so that the original entry can still be read) and writing the corrected entry alongside. The correction must be initialed and dated. Corrected errors may require a footnote explaining the correction.

Sample documents, forms, or field notebooks are not to be destroyed or thrown away, even if they are illegible or contain inaccuracies that require a replacement document. If an error is made on a document assigned to one individual, that individual may make corrections simply by crossing a line through the error and entering the corrected information. The incorrect information should not be obliterated. Any subsequent error discovered on a document should be corrected by the person who made the entry. All corrections must be initialed and dated.

9.2 Photographs

Photographs will be taken to document the work. Documentation of a photograph is crucial to its validity as a representation of an existing situation. Photographs should be documented with date, location, and description of the photograph.

10.0 Investigation Derived Waste

Purpose:

The purposes of these guidelines are to ensure the proper holding, storage, transportation, and disposal of materials that may contain hazardous wastes. Investigation-derived waste (IDW) included the following:

- Drill cuttings, drilling mud solids;
- Water produced during drilling;
- Well development and purge waters, unused PDB waters;
- Decontamination waters and associated solids;

IDW will be managed in substantial accordance with DER-10 and all applicable local, State and Federal regulations.

Procedure:

1. Contain all investigation-derived wastes in Department of Transportation (DOT)-approved 55-gallon drums, roll-off boxes, or other containers suitable for the wastes.
2. Place different media in separate drums (i.e., do not combine solids and liquids).
3. To the extent practicable, separate solids from drilling muds, decontamination waters, and similar liquids. Place solids within separate containers.
4. Transfer all waste containers to a staging area. Access to this area will be controlled. Waste containers must be transferred to the staging area as soon as practicable after the generating activity is complete.
5. Label all containers with regard to contents, origin, and date of generation. Use indelible ink for all labeling.
6. Collect samples for waste characterization purposes, use boring/well sample analytical data for characterization.
7. For wastes determined to be hazardous in character, be aware on accumulation time limitations. Coordinate the disposal of these wastes with the Owner and NYSDEC.
8. Dispose of investigation-derived wastes as follows;
 - Soil, water, and other environmental media for which analysis does not detect organic constituents, and for which inorganic constituents are at levels consistent with background, may be spread on-site (pending NYSDEC approval) or otherwise treated as a non-waste material.
 - Soils, water, and other environmental media in which organic compounds are detected or metals are present above background will be disposed as industrial waste or hazardous waste, as appropriate. Alternate disposition must be consistent with applicable State and Federal laws.
 - Personal protective equipment, disposable bailers, and similar equipment may be disposed as municipal waste, unless waste characterization results mandate disposal as industrial wastes
9. If waste is determined to be listed hazardous waste, it must be handled as hazardous waste as described above, unless a contained-in determination is accepted by the NYSDEC.

11.0 Decontamination Procedures

Sampling methods and equipment have been chosen to minimize decontamination requirements and to prevent the possibility of cross-contamination. Decontamination of equipment will be performed between discrete sampling locations. Equipment used to collect samples between composite sample locations will not require decontamination between collection of samples. All drilling equipment will be decontaminated after the completion of each drilling location. Special attention will be given to the drilling assembly and augers.

Split spoons and other non-disposable equipment will be decontaminated between each sampling location. The sampler will be cleaned prior to each use, by one of the following procedures:

- Initially cleaned of all foreign matter;
 - Sanitized with a steam cleaner;
- OR**
- Initially cleaned of all foreign matter;
 - Scrubbed with brushes inalconox solution;
 - Triple rinsed; and
 - Allowed to air dry.

Other sampling equipment including but not limited to low-flow sampling pumps, surface soil sampling trowel, water level meters, etc. will be decontaminated between sample location using analconox solution. Consumables including gloves, tubing, bailers, string, etc. will be dedicated to one sample location and will not be reused.

12.0 Sample Containers

The containers required for sampling activities are pre-washed and ordered directly from a laboratory, which has the containers prepared in accordance with USEPA bottle washing procedures. The following tables detail sample volumes, containers, preservation and holding time for typical analytes.

Table 11-1
Groundwater Samples

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Holding Time Until Extraction/ Analysis
VOCs	40-ml glass vial with Teflon-backed septum	Two (2); fill completely, no headspace	Cool to 4° C (ice in cooler), Hydrochloric acid to pH <2	14 days
Semi-volatile Organic Compounds (SVOCs)	1,000-ml amber glass jar	One (1); fill completely	Cool to 4° C (ice in cooler)	7/40 days
Pesticides	1,000-ml amber glass jar	One (1); fill completely	Cool to 4° C (ice in cooler)	7/40 days
Polychlorinated biphenyls (PCBs)	1,000-ml amber glass jar	One (1); fill completely	Cool to 4° C (ice in cooler)	7/40 days
Metals	250-ml HDPE	One (1); fill completely	Cool to 4° C (ice in cooler) Nitric acid to pH <2	180 days (28 for mercury)
Cyanide	1,000-mL HDPE		Cool to 4° C (ice in cooler) Nitric acid to pH <2	14 days
1,4-Dioxane	40-ml glass vial with Teflon-backed septum	Three (3); fill completely, no headspace	Cool to 4° C (ice in cooler), Hydrochloric acid to pH <2	14 days
PFAS	250-mL HDPE, no Teflon	Two (2); fill completely	Cool to 4° C (ice in cooler), Trizma	14 days

Note:

All sample bottles will be prepared in accordance with USEPA bottle washing procedures.

Consult with laboratory as bottleware may vary by laboratory.

Holding time begins at the time of sample collection.

TABLE 11-2
Soil Samples

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Holding Time Until Extraction/ Analysis
VOCs	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	14 days
VOCs via EPA 5035	40 mL vials with sodium bisulfate, methanol, and/or DI water	Three (3), 5 grams each	Cool to 4° C (ice in cooler)	2 days*
SVOCs	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	7/40 days
PCBs	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	7/40 days
Pesticides	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	14/40 days
Metals	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	180 days (28 for mercury)
Cyanide	4-oz, glass jar with Teflon-lined cap	One (1), fill as completely as possible	Cool to 4° C (ice in cooler)	14 days
1,4-Dioxane	40 mL vials with sodium bisulfate, methanol, and/or DI water	Three (3), 5 grams each	Cool to 4° C (ice in cooler)	2 days*
PFAS	8-oz HDPE, no Teflon	One (1); fill as completely as possible	Cool to 4° C (ice in cooler)	28 days

Note:

**Or freeze within holding time.*

All sample bottles will be prepared in accordance with USEPA bottle washing procedures.

Consult with laboratory as bottleware may vary by laboratory.

Holding time begins at the time of sample collection.

**Table 11-3
Air Samples**

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Holding Time Until Extraction/ Analysis
VOCs	1 – Liter Summa® Canister	One (1) 1-Liter 1.4- Liter for MS/MSD	N/A	14 days

Note:

All sample bottles will be prepared in accordance with USEPA bottle washing procedures.

Consult with laboratory as bottleware may vary by laboratory.

Holding time begins at the time of sample collection.

13.0 Sample Custody and Shipment

13.1 Sample Identification

All containers of samples collected from the project will be identified using the following format on a label or tag fixed to the sample container:

AA-BB-CC-DD-EE

- AA: This set of initials indicates an abbreviation for the Site from which the sample was collected.
- BB This set of initials represents the type of sample (e.g., SB for soil boring and MW for monitoring well)
- CC: These initials identify the unique sample location number.
- DD: These initials identify the sample start depth (if soil sample)
- EE These initials identify the sample end depth (if soil sample)

Each sample will be labeled, chemically preserved (if required) and sealed immediately after collection. To minimize handling of sample containers, labels will be filled out prior to sample collection when possible. The sample label will be filled out using waterproof ink and will be firmly affixed to the sample containers. The sample label will give the following information:

- Date and time of collection
- Sample identification
- Analysis required
- Project name/number
- Preservation

Sample tags attached to or affixed around the sample container must be used to properly identify all samples collected in the field. The sample tags are to be placed on the bottles so as not to obscure any QC lot numbers on the bottles; sample information must be printed in a legible manner using waterproof ink. Field identification must be sufficient to enable cross-reference with the logbook.

For chain-of-custody purposes, all QC samples are subject to exactly the same custodial procedures and documentation as "real" samples.

13.2 Chain of Custody

This section describes standard operating procedures for sample identification and chain-of-custody to be utilized for all field activities. The purpose of these procedures is to ensure that the quality of the samples is maintained during their collection, transportation, and storage through analysis. All chain-of-custody requirements comply with standard operating procedures indicated in USEPA sample handling protocol.

Sample identification documents must be carefully prepared so that sample identification and chain-of-custody can be maintained and sample disposition controlled. Sample identification documents include:

- Field notebooks;
- Sample label; and
- Chain-of-custody records.

The primary objective of the chain-of-custody procedures is to provide an accurate written or computerized record that can be used to trace the possession and handling of a sample from collection to completion of all required analyses. A sample is in custody if it is:

- In someone's physical possession;
- In someone's view;
- Locked up; or
- Kept in a secured area that is restricted to authorized personnel.

As few persons as possible should handle samples. Sample bottles will be obtained pre-cleaned from the a laboratory. Sample containers should only be opened immediately prior to sample collection. The sample collector is personally responsible for the care and custody of samples collected until they are transferred to another person or dispatched properly under chain-of-custody rules. The sample collector will record sample data in the field notebook and/or field logs.

The chain-of-custody record must be fully completed in duplicate, using black carbon paper where possible, by the field technician who has been designated by the project manager as responsible for sample shipment to the appropriate laboratory for analysis. In addition, if samples are known to require rapid turnaround in the laboratory because of project time constraints or analytical concerns (e.g., extraction time or sample retention period limitations, etc.), the person completing the chain-of-custody record should note these constraints on the chain of custody.

13.3 Transfer of Custody and Shipment

The coolers in which the samples are packed must be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them must sign, date, and note the time on the chain-of-custody record. This record documents sample custody transfer.

Shipping containers must be sealed with custody seals for shipment to the laboratory. The method of shipment, name of courier, and other pertinent information are entered on the chain-of-custody.

All shipments must be accompanied by the chain-of-custody record identifying their contents. The original record accompanies the shipment. The other copies are distributed appropriately to the site manager.

13.4 Custody Seals

Custody seals are preprinted adhesive-backed seals. Sample shipping containers (coolers, cardboard boxes, etc., as appropriate) are sealed in as many places as necessary to ensure security. Seals must be signed and dated before shipment. On receipt at the laboratory, the custodian must check (and certify, by completing the package receipt log and LABMIS entries) that seals on boxes and bottles are intact. Strapping tape should be placed over the seals to ensure that seals are not accidentally broken during shipment.

13.5 Sample Packaging

Samples must be packaged carefully to avoid breakage or contamination and must be shipped to the laboratory at proper temperatures. The following sample packaging requirements will be followed:

- Sample bottle lids must never be mixed. All sample lids must stay with the original containers.
- The label should not cover any bottle preparation QC lot numbers.
- All sample bottles are placed in a plastic bag and/or individual bubble wrap sleeves to minimize the potential for cross-contamination and breaking.
- Shipping coolers must be partially filled with packing materials and ice when required, to prevent the bottles from moving during shipment.
- The sample bottles must be placed in the cooler in such a way as to ensure that they do not directly come in contact with other samples. Ice will be added to the cooler to ensure that the samples reach the laboratory at temperatures no greater than 4 °C.
- Any remaining space in the cooler should be filled with inert packing material. Under no circumstances should material such as sawdust, sand, etc., be used.
- A chain of custody record must be placed in a plastic bag inside the cooler. Custody seals must be affixed to the sample cooler.

13.6 Sample Shipment

Shipping containers are to be custody-sealed for shipment as appropriate. The container custody seal will consist of tape wrapped around the package and custody seals affixed in such a way that access to the container can be gained only by cutting the filament tape and breaking the seal. Chain of custody seals shall be placed on the container, signed, and dated prior to taping the container to ensure the chain of custody seals will not be destroyed during shipment. In addition, the coolers must also be labeled and placarded in accordance with DOT regulations if shipping medium and

high hazard samples.

Field personnel will make arrangements for transportation of samples to the lab. The lab must be notified as early as possible regarding samples intended for Saturday delivery. The transportation and handling of samples must be accomplished in a manner that not only protects the integrity of the sample, but also prevents any detrimental effects due to the possible hazardous nature of samples. Regulations for packaging, marking, labeling, and shipping hazardous materials are promulgated by the United States DOT in the Code of Federal Regulation, 49 CFR 171 through 177. All samples will be delivered to the laboratory and analyzed within the holding times specified by the analytical method for that particular analyte.

All chain-of-custody requirements must comply with standard operating procedures in the USEPA sample handling protocol.

13.7 Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record and traffic reports, if required. Pertinent information as to shipment, pickup, and courier is entered on the chain of custody or attached forms.

14.0 Deliverables

This section will describe laboratory requirement and procedures to be followed for laboratory analysis. Samples collected in New York State will be analyzed by a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. When required, analyses will be conducted in accordance with the most current NYSDEC Analytical Services Protocol (ASP). For example, ASP Category B reports will be completed by the laboratory for samples representing the final delineation of the Remedial Investigation, confirmation samples, samples to determine closure of a system, and correlation samples taken using field testing technologies analyzed by an ELAP-certified laboratory to determine correlation to field results. Data Usability Summary Reports will be completed by a third party for samples requiring ASP Category B format reports. Electronic data deliverables (EDDs) will also be generated by the laboratory in EQUIS format for samples requiring ASP Category B format reports.

NYSDEC DER-10 DUSR requirements are as follows:

- a) Background. The Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data with the primary objective to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.
 1. The development of the DUSR must be carried out by an experienced environmental scientists, such as the project Quality Assurance Officer, who is fully capable of conducting a full data validation. The DUSR is developed from:

- i. A DEC ASP Category B Data Deliverable; or
 - ii. The *USEPA Contract Laboratory Program National Functional Data Validation Standard Operating Procedures for Data Evaluation and Validation*.
- 2. The DUSR and the data deliverables package will be reviewed by DER staff. If full third party data validation is found to be necessary (e.g. pending litigation) this can be carried out at a later date on the same data package used for the development of the DUSR.
- b) **Personnel Requirements.** The person preparing the DUSR must be pre-approved by DER. The person must submit their qualifications to DER documenting experience in analysis and data validation. Data validator qualifications are available on DEC's website identified in the table of contents.
- c) **Preparation of a DUSR.** The DUSR is developed by reviewing and evaluating the analytical data package. In order for the DUSR to be acceptable, during the course of this review the following questions applicable to the analysis being reviewed must be answered in the affirmative.
 - 1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?
 - 2. Have all holding times been met?
 - 3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?
 - 4. Have all of the data been generated using established and agreed upon analytical protocols?
 - 5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?
 - 6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
 - 7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?
- d) **Documenting the validation process in the DUSR.** Once the data package has been reviewed and the above questions asked and answered the DUSR proceeds to describe the samples and the analytical parameters, including data deficiencies, analytical protocol deviations and quality control problems are identified and their effect on the data is discussed.

15.0 Equipment Calibration

All instruments and equipment used during sampling and analysis will be operated, calibrated, and maintained according to the manufacturer's guidelines and recommendations as well as criteria set

forth in the applicable analytical methodology references. Operation, calibration, and maintenance will be performed by personnel properly trained in these procedures. Section 11 lists the major instruments to be used for sampling and analysis. In addition, brief descriptions of calibration procedures for major field and laboratory instruments follow.

15.1 Photovac/MiniRae Photoionization Detector (PID)

Standard operating procedures for the PID require that routine maintenance and calibration be performed every six months. Field calibration will be performed on a daily basis. The packages used for calibration are non-toxic analyzed gas mixtures available in pressurized containers. All calibration procedures will follow the manufacturer recommendations.

15.2 Conductance, Temperature, and pH Tester

Temperature and conductance instruments are factory calibrated. Temperature accuracy can be checked against an NBS certified thermometer prior to field use if necessary. Conductance accuracy may be checked with a solution of known conductance and recalibration can be instituted, if necessary.

15.3 O₂/Explosimeter

The specific meter used at the time of work shall be calibrated in accordance with manufacturer recommendations. The model 260 O₂/ Explosimeter is described below.

The primary maintenance item of the Model 260 is the rechargeable 2.4 volt (V) nickel cadmium battery. The battery is recharged by removing the screw cap covering receptacle and connecting one end of the charging cable to the instrument and the other end to a 115V AC outlet.

The battery can also be recharged using a 12V DC source. An accessory battery charging cable is available, one end of which plugs into the Model 260 while the other end is fitted with an automobile cigarette lighter plug.

Recommended charging time is 16 hours.

Before the calibration of the combustible gas indicator can be checked, the Model 260 must be in operating condition. Calibration check-adjustment is made as follows:

1. Attach the flow control to the recommended calibration gas tank.
2. Connect the adapter-hose to the flow control.
3. Open flow control valve.
4. Connect the adapter-hose fitting to the inlet of the instrument; after about 15 seconds the LEL meter pointer should be stable and within the range specified on the calibration sheet accompanying the calibration equipment. If the meter pointer is not in the correct range, stop the flow; remove the right hand side cover. Turn on the flow and adjust the "S" control with a small screwdriver to obtain a reading as specified on the calibration

sheet.

5. Disconnect the adapter-hose fitting from the instrument.
6. Close the flow control valve.
7. Remove the adapter-hose from the flow control.
8. Remove the flow control from the calibration gas tank.
9. Replace the side cover on the Model 260.

CAUTION: Calibration gas tank contents are under pressure. Use no oil, grease, or flammable solvents on the flow control or the calibration gas tank. Do not store calibration gas tank near heat or fire or in rooms used for habitation. Do not throw in fire, incinerate, or puncture. Keep out of reach of children. It is illegal and hazardous to refill this tank. Do not attach the calibration gas tank to any other apparatus than described above. Do not attach any gas tank other than MSA calibration tanks to the regulator.

15.4 Nephelometer (Turbidity Meter)

LaMotte 2020WE Turbidity Meter is calibrated before each use. The default units are set to NTU and the default calibration curve is formazin. A 0 NTU Standard (Code 1480) is included with the meter. To calibrate, rinse a clean tube three times with the blank. Fill the tube to the fill line with the blank. Insert the tube into the chamber, close the lid, and select “scan blank”.

TABLE 14-4
List of Major Instruments
for Sampling and Analysis

- | |
|---|
| <ul style="list-style-type: none">• MSA 360 O₂ /Explosimeter• Geotech Geopump II AC/DC Peristaltic Pump• QED MP50 Controller and QED Sample Pro MicroPurge Bladder Pimp• Horiba U-53 Multi-Parameter Water Quality Meter• LaMotte 2020WE Turbidity Meter• EM-31 Geomics Electromagnetic Induction Device• Mini Rae Photoionization Detectors (3,000, ppbRAE, etc.) |
|---|

16.0 Internal Quality Control Checks

QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of field equipment. Field-based QC will comprise at least 10%

of each data set generated and will consist of standards, replicates, spikes, and blanks. Field duplicates and field blanks will be analyzed by the laboratory as samples and will not necessarily be identified to the laboratory as duplicates or blanks. For each matrix, field duplicates will be provided at a rate of one per 10 samples collected or one per shipment, whichever is greater. Field blanks which may consist of trip, routine field, and/or rinsate blanks will be provided at a rate of one per 20 samples collected for each media, or one per shipment, whichever is greater. Frequency of QC data may vary from project to project; refer to the project-specific work plan for QC requirements.

Calculations will be performed for recoveries and standard deviations along with review of retention times, response factors, chromatograms, calibration, tuning, and all other QC information generated. All QC data, including split samples, will be documented in the site logbook and/or appropriate field logs. QC records will be retained and results reported with sample data.

16.1 Field Blanks

Various types of blanks are used to check the cleanliness of field handling methods. The following types of blanks may be used: the trip blank, the routine field blank, and the field equipment blank. They are analyzed in the laboratory as samples, and their purpose is to assess the sampling and transport procedures as possible sources of sample contamination. Field staff may add blanks if field circumstances are such that they consider normal procedures are not sufficient to prevent or control sample contamination, or at the direction of the project manager. Rigorous documentation of all blanks in the site logbooks is mandatory.

- **Routine Field Blanks** or bottle blanks are blank samples prepared in the field to assess ambient field conditions. They will be prepared by filling empty sample containers with deionized water and any necessary preservatives. They will be handled like a sample and shipped to the laboratory for analysis.
- **Trip Blanks** are similar to routine field blanks with the exception that they are not exposed to field conditions. Their analytical results give the overall level of contamination from everything except ambient field conditions. For the RI/FS, one trip blank will be collected with every shipment of water samples for VOC analysis. Each trip blank will be prepared by filling a 40-ml vial with deionized water prior to the sampling trip, transported to the site, handled like a sample, and returned to the laboratory for analysis without being opened in the field. Trip blanks may be provided by the laboratory, shipped with the bottleware, and kept with the sampling containers until analysis.
- **Field Equipment Blanks** are blank samples (sometimes called transfer blanks or rinsate blanks) designed to demonstrate that sampling equipment has been properly prepared and cleaned before field use, and that cleaning procedures between samples are sufficient to minimize cross contamination. If a sampling team is familiar with a particular site, they may be able to predict which areas or samples are likely to have the highest concentration of contaminants. Unless other constraints apply, these samples should be taken last to avoid excessive contamination of sampling equipment.

16.2 Duplicates

Duplicate samples are collected to check the consistency of sampling and analysis procedures. The following types of duplicates may be collected.

- **Blind duplicate** samples consist of a set of two samples collected independently at a sampling location during a single sampling event. Blind duplicates are designed to assess the consistency of the overall sampling and analytical system. Blind duplicate samples should not be distinguishable by the person performing the analysis.
- **Matrix Spike and Matrix Spike Duplicates (MS/MSDs)** consist of a set of three samples collected independently at a sampling location during a single sampling event. These samples are for laboratory quality control checks.

I:\JEFFERSON WOLLENSACK LLC\2182207 - 872 & 886 HUDSON BROWNFIELD\REPORTS\RIWP\APP 4 - QCP\QCP NEW LOGO APRIL 2018_REVISDMARCH2019.DOC



PH: (585) 454-6110 FAX: (585) 454-3066

WELL I.D.

Project No.: _____

Date: _____

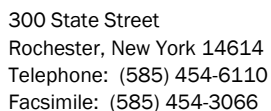
Static Water Level:	-Feet
Single Well Volume:	-Gallons

☐ Pump - Type _____
Pump Rate: _____

[illegible]

Total	Gallons Purged	Purge Start Time:	Purge End Time:
-------	----------------	-------------------	-----------------

Well Volume (2" well) = 0.163-gal/ft.



Project Name: _____
 Location: _____
 Project No.: _____
 Sampled By: _____
 Date: _____
 Weather: _____

Well Diameter: _____ Static Water Level: _____
 Depth of Well: _____ Length of Well Screen: _____
 Measuring Point: _____ Depth to Top of Pump: _____
 Pump Type: _____ Tubing Type: _____

[illegible]

Total	Gallons Purged
-------	----------------

Purge Time Start: _____ Purge Time End: _____ Final Static Water Level: _____

OBSERVATIONS

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APPENDIX 6

Laboratory Reports



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2002747

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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STD125 Injected on: 11/18/19 12:00	643
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Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2002747-01	20200117-PFAAS	SOIL	ROCHESTER, NY	01/17/20 12:00	01/20/20

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

SPLP Perfluorinated Alkyl Acids by Isotope Dilution

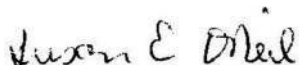
L2002747-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1334679-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1334679-5: This blank represents the SPLP tumbling blank associated with L2002747-01.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 02/10/20

Title: Technical Director/Representative



GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Data Qualifiers

- R** - Analytical results are from sample re-analysis.
RE - Analytical results are from sample re-extraction.
S - Analytical results are from modified screening analysis.
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column
 Column Length: 2 Meters packed
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 Column Length: 60 Meters
 df: 1.00 um
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1 μ L
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L2002747

Received : 20-JAN-2020

Reviewer : Brennan Williams

Account Name : LaBella Associates, P.C.

Project Number : 2182207

Project Name : FORMER WOLLENSACK OPTICAL

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.2	

Condition Information

- | | |
|--|-----|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between sample labels & COC? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|----|
| 1) Reagent Water Vials Frozen by Client? | NA |
|--|----|

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 09 2020, 05:32 pm

Login Number: L2002747

Account: LABELLA-ROC LaBella Associates, P.C. Project: 2182207

Received: 20JAN20 Due Date: 08SEP20

Sample #	Client ID	Mat PR Collected
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L2002747-01	20200117-PFAAS	3 S0 17JAN20 12:00
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OPREP: See Jon Z., Matt, or Corey prior to tumbling or filtration. Leave for 1st shift only. Must be filtered into special containers. Use new/DCM rinsed glassware PREPP: SPLP-537: Tumble 1 liter of fluid, filter into four 250ml special 537 plastic bottles ASP-B Package Due Date: 09/08/20

A2-SPLP-537-ISO-PKG, A2-SPLP-537-ISOTOPE, PREPP, ASP-B

Organics

PFAAs

Semivolatiles QC Summary

Surrogate (Extracted Internal Standard) Recovery Summary

Form 2

Semivolatiles

Client: LaBella Associates, P.C.
Project Name: FORMER WOLLENSACK OPTICAL

Lab Number: L2002747
Project Number: 2182207
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
20200117-PFAAS (L2002747-01)	98	113	111	171	84	90	112
WG1334679-1BLANK	95	111	90	91	89	93	94
WG1334679-2LCS	96	110	94	111	91	95	98
WG1334679-3LCSD	89	102	89	97	86	90	94
20200117-PFAASDUP	91	105	99	155	83	89	109
WG1334679-5BLANK	71	87	95	141	69	74	106

QC LIMITS

(2-156) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
 (16-173) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
 (31-159) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
 (1-313) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
 (21-145) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
 (30-139) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
 (30-139) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

* Values outside of QC limits

FORM II A2-SPLP-537-ISOTOPE



Surrogate (Extracted Internal Standard) Recovery Summary

Form 2

Semivolatiles

Client: LaBella Associates, P.C.
Project Name: FORMER WOLLENSACK OPTICAL

Lab Number: L2002747
Project Number: 2182207
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
20200117-PFAAS (L2002747-01)	97	220	107	112	102	266*	103
WG1334679-1BLANK	95	93	100	98	96	105	88
WG1334679-2LCS	96	117	104	96	97	130	85
WG1334679-3LCSD	88	109	92	89	89	107	79
20200117-PFAASDUP	94	184	101	106	94	173*	84
WG1334679-5BLANK	80	101	83	105	85	110	66

QC LIMITS

(36-149) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
 (1-244) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
 (34-146) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
 (42-146) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
 (38-144) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
 (7-170) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
 (7-170) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

* Values outside of QC limits

FORM II A2-SPLP-537-ISOTOPE (Continued)



Surrogate (Extracted Internal Standard) Recovery Summary

Form 2

Semivolatiles

Client: LaBella Associates, P.C.
Project Name: FORMER WOLLENSACK OPTICAL

Lab Number: L2002747
Project Number: 2182207
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
20200117-PFAAS (L2002747-01)	109	20	113	92	74	--	--	1
WG1334679-1BLANK	106	38	79	100	87	--	--	0
WG1334679-2LCS	102	45	82	93	83	--	--	0
WG1334679-3LCSD	95	42	73	84	78	--	--	0
20200117-PFAASDUP	107	29	84	85	70	--	--	1
WG1334679-5BLANK	94	24	62	85	85	--	--	0

QC LIMITS

(40-144) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
 (1-87) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
 (23-146) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
 (24-161) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
 (33-143) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

* Values outside of QC limits

FORM II A2-SPLP-537-ISOTOPE (Continued)



Lab Duplicate Sample Summary

Form 3

Semivolatiles

Client : LaBella Associates, P.C.
Project Name : FORMER WOLLENSACK OPTICAL
Client Sample ID : 20200117-PFAAS
Lab Sample ID : L2002747-01
Lab File ID : I18702
Dup Sample ID : WG1334679-4

Lab Number : L2002747
Project Number : 2182207
Matrix : SOIL
Analysis Date : 02/07/20 06:45
DUP File ID : I18703
DUP Analysis Date : 02/07/20 07:02

Parameter	Sample Concentration (ng/l)	Duplicate Concentration (ng/l)	RPD	RPD Limit
Perfluorobutanoic Acid (PFBA)	1.17J	1.50J	NC	30
Perfluoropentanoic Acid (PFPeA)	0.754J	0.753J	NC	30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	NC	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	NC	30
Perfluorohexanoic Acid (PFHxA)	0.628J	0.833J	NC	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	NC	30
Perfluoroheptanoic Acid (PFHpA)	0.444J	0.425J	NC	30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	NC	30
Perfluorooctanoic Acid (PFOA)	2.20	2.37	7	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	NC	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	NC	30
Perfluorononanoic Acid (PFNA)	0.522J	0.519J	NC	30
Perfluorooctanesulfonic Acid (PFOS)	15.1	14.3	5	30
Perfluorodecanoic Acid (PFDA)	ND	ND	NC	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	NC	30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	NC	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	NC	30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	NC	30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	NC	30
Perfluorooctanesulfonamide (FOSA)	0.519J	0.770J	NC	30
N-Ethyl Perfluorooctanesulfonamidoacetic	ND	ND	NC	30



Lab Duplicate Sample Summary **Form 3** **Semivolatiles**

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Client Sample ID	: 20200117-PFAAS	Matrix	: SOIL
Lab Sample ID	: L2002747-01	Analysis Date	: 02/07/20 06:45
Lab File ID	: I18702	DUP File ID	: I18703
Dup Sample ID	: WG1334679-4	DUP Analysis Date	: 02/07/20 07:02

Parameter	Sample Concentration (ng/l)	Duplicate Concentration (ng/l)	RPD	RPD Limit
Acid (NEtFOSAA)				
Perfluorododecanoic Acid (PFDoA)	ND	ND	NC	30
Perfluorotridecanoic Acid (PFTTrDA)	ND	ND	NC	30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	NC	30
PFOA/PFOS, Total	17.3	16.7	4	30
PFAS, Total (5)	18.3J	17.6J	NC	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Matrix : SOIL
 LCS Sample ID : WG1334679-2 Analysis Date : 02/07/20 02:37 File ID : I18687
 LCSD Sample ID : WG1334679-3 Analysis Date : 02/07/20 02:53 File ID : I18688

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R			
Perfluorobutanoic Acid (PFBA)	40	40.8	102	40	44.1	110	8	67-148	30
Perfluoropentanoic Acid (PFPeA)	40	42.8	107	40	46.7	117	9	63-161	30
Perfluorobutanesulfonic Acid (PFBS)	35.4	35.6	100	35.4	39.1	110	10	65-157	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	37.4	40.5	108	37.4	44.8	120	11	37-219	30
Perfluorohexanoic Acid (PFHxA)	40	41.1	103	40	44.2	111	7	69-168	30
Perfluoropentanesulfonic Acid (PFPeS)	36	35.1	98	36	38.0	106	8	52-156	30
Perfluoroheptanoic Acid (PFHpA)	40	41.8	104	40	43.0	107	3	58-159	30
Perfluorohexanesulfonic Acid (PFHxS)	36.5	38.2	105	36.5	39.4	108	3	69-177	30
Perfluorooctanoic Acid (PFOA)	40	42.8	107	40	46.9	117	9	63-159	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	38	44.6	117	38	51.0	134	14	49-187	30
Perfluoroheptanesulfonic Acid (PFHpS)	38	42.9	113	38	45.1	119	5	61-179	30
Perfluorononanoic Acid (PFNA)	40	40.6	102	40	46.8	117	14	68-171	30
Perfluorooctanesulfonic Acid	37	36.5	99	37	42.4	114	14	52-151	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Matrix : SOIL
 LCS Sample ID : WG1334679-2 Analysis Date : 02/07/20 02:37 File ID : I18687
 LCSD Sample ID : WG1334679-3 Analysis Date : 02/07/20 02:53 File ID : I18688

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R			
(PFOS)									
Perfluorodecanoic Acid (PFDA)	40	40.7	102	40	44.3	111	8	63-171	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	38.4	45.4	118	38.4	55.7	145	21	56-173	30
Perfluorononanesulfonic Acid	38.4	39.8	104	38.4	44.1	115	10	48-150	30
(PFNS)									
N-Methyl Perfluorooctanesulfonamide	40	46.8	117	40	52.8	132	12	60-166	30
Perfluoroundecanoic Acid (PFUnA)	40	42.5	106	40	43.6	109	3	60-153	30
Perfluorodecanesulfonic Acid	38.6	45.2	117	38.6	45.7	118	1	38-156	30
(PFDS)									
Perfluorooctanesulfonamide (FOSA)	40	44.1	110	40	42.6	106	4	46-170	30
N-Ethyl Perfluorooctanesulfonamide	40	43.2	108	40	45.8	114	5	45-170	30
Perfluorododecanoic Acid (PFDoA)	40	42.5	106	40	49.7	124	16	67-153	30
Perfluorotridecanoic Acid	40	46.9	117	40	51.4	129	10	48-158	30
(PFTTrDA)									
Perfluorotetradecanoic Acid	40	43.4	109	40	46.4	116	6	59-182	30
(PFTA)									



Method Blank Summary
Form 4
Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab Sample ID	: WG1334679-1	Lab File ID	: I18674
Instrument ID	: LCMS02	Extraction Date	: 01/28/20
Matrix	: SOIL	Analysis Date	: 02/06/20 23:02
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1334679-2LCS	WG1334679-2	02/07/20 02:37
WG1334679-3LCSD	WG1334679-3	02/07/20 02:53
20200117-PFAAS	L2002747-01	02/07/20 06:45
20200117-PFAASDUP	WG1334679-4	02/07/20 07:02



**Method Blank Summary
Form 4
Semivolatiles**

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab Sample ID	: WG1334679-5	Lab File ID	: I18675
Instrument ID	: LCMS02	Extraction Date	: 01/28/20
Matrix	: SOIL	Analysis Date	: 02/06/20 23:18
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1334679-2LCS	WG1334679-2	02/07/20 02:37
WG1334679-3LCSD	WG1334679-3	02/07/20 02:53
20200117-PFAAS	L2002747-01	02/07/20 06:45
20200117-PFAASDUP	WG1334679-4	02/07/20 07:02

Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/06/20 13:54
Sample No	: WG1337913-1	Lab File ID	: I18643

	M3PFBA		M2PFOA		M4PFOS	
	Area	RT	Area	RT	Area	RT
WG1337913-1	47795	2.19	136870	9.15	9633	9.96
Upper Limit	95590	2.69	273740	9.65	19266	10.46
Lower Limit	23898	1.69	68435	8.65	4817	9.46
Sample ID						
WG1337913-1 CCAL	47795	2.19	136870	9.15	9633	9.96

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/06/20 13:54
Sample No	: WG1337913-1	Lab File ID	: I18643

	M2PFDA		Area	RT	Area	RT	Area	RT
	Area	RT						
WG1337913-1	121234	10.54						
Upper Limit	242468	11.04						
Lower Limit	60617	10.04						
Sample ID								
WG1337913-1 CCAL	121234	10.54						

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/06/20 22:12
Sample No	: WG1337913-3	Lab File ID	: I18671

	M3PFBA		M2PFOA		M4PFOS	
	Area	RT	Area	RT	Area	RT
WG1337913-3	49430	2.19	144785	9.11	9067	9.92
Upper Limit	98860	2.69	289570	9.61	18134	10.42
Lower Limit	24715	1.69	72393	8.61	4534	9.42
Sample ID						
WG1334679-1 BLANK	47935	2.20	138797	9.13	8916	9.93
WG1334679-5 BLANK	41406	2.20	128808	9.11	7530	9.90
WG1334679-2 LCS	45420	2.19	129397	9.11	7833	9.89
WG1334679-3 LCSD	49484	2.20	139978	9.09	8194	9.88

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/06/20 22:12
Sample No	: WG1337913-3	Lab File ID	: I18671

	M2PFDA		Area	RT	Area	RT	Area	RT
	Area	RT						
WG1337913-3	126170	10.51						
Upper Limit	252340	11.01						
Lower Limit	63085	10.01						
Sample ID								
WG1334679-1 BLANK	122689	10.52						
WG1334679-5 BLANK	114990	10.49						
WG1334679-2 LCS	119507	10.47						
WG1334679-3 LCSD	126919	10.45						

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/07/20 04:49
Sample No	: WG1337913-4	Lab File ID	: I18695

	M3PFBA		M2PFOA		M4PFOS	
	Area	RT	Area	RT	Area	RT
WG1337913-4	48825	2.20	147693	9.09	9246	9.88
Upper Limit	97650	2.70	295386	9.59	18492	10.38
Lower Limit	24413	1.70	73847	8.59	4623	9.38
Sample ID						
20200117-PFAAS	37054	2.20	122915	9.09	6505	9.88
20200117-PFAAS DUP	40037	2.20	125343	9.09	7165	9.87

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2002747
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: LCMS02	Analysis Date	: 02/07/20 04:49
Sample No	: WG1337913-4	Lab File ID	: I18695

	M2PFDA		Area	RT	Area	RT	Area	RT
	Area	RT						
WG1337913-4	128249	10.45						
Upper Limit	256498	10.95						
Lower Limit	64125	9.95						
Sample ID								
20200117-PFAAS	120515	10.45						
20200117-PFAAS DUP	115732	10.45						

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 07/09/20
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File: PM8786-1
Page: 1

PFAAs via LCMSMS-Isotope Dilution (WATER)

Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H2O Plastic

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	2	0.408	ng/l	67-148	30	67-148	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	2	0.396	ng/l	63-161	30	63-161	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	2	0.238	ng/l	65-157	30	65-157	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	2	0.452	ng/l	37-219	30	37-219	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	2	0.328	ng/l	69-168	30	69-168	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	2	0.2452	ng/l	52-156	30	52-156	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	2	0.2252	ng/l	58-159	30	58-159	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	2	0.376	ng/l	69-177	30	69-177	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	2	0.236	ng/l	63-159	30	63-159	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	2	1.332	ng/l	49-187	30	49-187	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	2	0.688	ng/l	61-179	30	61-179	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	2	0.312	ng/l	68-171	30	68-171	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	2	0.504	ng/l	52-151	30	52-151	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	2	0.304	ng/l	63-171	30	63-171	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	2	1.212	ng/l	56-173	30	56-173	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	2	1.12	ng/l	48-150	30	48-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA)	2355-31-9	2	0.648	ng/l	60-166	30	60-166	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	2	0.26	ng/l	60-153	30	60-153	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	2	0.98	ng/l	38-156	30	38-156	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	2	0.58	ng/l	46-170	30	46-170	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	2	0.804	ng/l	45-170	30	45-170	30	30			
Perfluorodecanoic Acid (PFDoA)	307-55-1	2	0.372	ng/l	67-153	30	67-153	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	2	0.3272	ng/l	48-158	30	48-158	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	2	0.248	ng/l	59-182	30	59-182	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	50	22.7	ng/l	50-150	30	50-150	30	30			
4,8-Dioxia-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	2	0.336	ng/l	50-150	30	50-150	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	4	1.24	ng/l	50-150	30	50-150	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	4	1.148	ng/l	50-150	30	50-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	2	0.616	ng/l	50-150	30	50-150	30	30			
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	120226-60-0	5	2.02	ng/l	50-150	30	50-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3)	756426-58-1	2	0.2768	ng/l	50-150	30	50-150	30	30			
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl)	763051-92-9	2	0.2932	ng/l	50-150	30	50-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	20	7.36	ng/l	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	20	6.64	ng/l	50-150	30	50-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	50	22.2	ng/l	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	50	22.52	ng/l	50-150	30	50-150	30	30			
Perfluoro(13C4)Butanoic Acid (MPFBA)	NONE										2-156	
Perfluoro(13C5)Pentanoic Acid (MSPPEA)	NONE										16-173	
Perfluoro(2,3,4-13C3)Butanesulfonic Acid (M3PFBS)	NONE										31-159	
1H,1H,2H,2H-Perfluoro(1,2-13C2)Hexanesulfonic Acid (M2-	NONE										1-313	
Perfluoro(1,2,3,4,6-13C5)Hexanoic Acid (M5PFHxA)	NONE										21-145	
Perfluoro(1,2,3,4-13C4)Heptanoic Acid (M4PFHpA)	NONE										30-139	

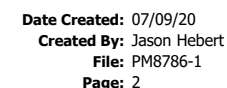
Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H2O Plastic

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Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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Date Created: 07/09/20
Created By: Jason Hebert
File: PM8787-1
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PFAAs via LCMSMS-Isotope Dilution (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	1	0.0227	ng/g	71-135	30	71-135	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1	0.046	ng/g	69-132	30	69-132	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1	0.039	ng/g	72-128	30	72-128	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	1	0.0645	ng/g	62-145	30	62-145	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	1	0.0525	ng/g	70-132	30	70-132	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	1	0.0835	ng/g	73-123	30	73-123	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1	0.0451	ng/g	71-131	30	71-131	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1	0.0605	ng/g	67-130	30	67-130	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	1	0.0419	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	1	0.1795	ng/g	64-140	30	64-140	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1	0.1365	ng/g	70-132	30	70-132	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	1	0.075	ng/g	72-129	30	72-129	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1	0.13	ng/g	68-136	30	68-136	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	1	0.067	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	1	0.287	ng/g	65-137	30	65-137	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	1	0.299	ng/g	69-125	30	69-125	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA)	2355-31-9	1	0.2015	ng/g	63-144	30	63-144	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1	0.0468	ng/g	64-136	30	64-136	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	1	0.153	ng/g	59-134	30	59-134	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	1	0.098	ng/g	67-137	30	67-137	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	1	0.0845	ng/g	61-139	30	61-139	30	30			
Perfluorodecanoic Acid (PFDoA)	307-55-1	1	0.07	ng/g	69-135	30	69-135	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	1	0.2045	ng/g	66-139	30	66-139	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	1	0.054	ng/g	69-133	30	69-133	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	10	3.81	ng/g	50-150	30	50-150	30	30			
4,8-Dioxo-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	1	0.0413	ng/g	50-150	30	50-150	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	2	0.12	ng/g	50-150	30	50-150	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	2	0.171	ng/g	50-150	30	50-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	1	0.086	ng/g	50-150	30	50-150	30	30			
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	120226-60-0	1	0.275	ng/g	50-150	30	50-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3)	756426-58-1	1	0.0374	ng/g	50-150	30	50-150	30	30			
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl)	763051-92-9	1	0.0388	ng/g	50-150	30	50-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1	0.379	ng/g	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1	0.407	ng/g	50-150	30	50-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.52	ng/g	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.73	ng/g	50-150	30	50-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	NONE										60-153	
Perfluoro[13C5]Pentanoic Acid (MSPPPEA)	NONE										65-182	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	NONE										70-151	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	NONE										56-138	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	NONE										61-147	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	NONE										62-149	

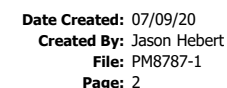
Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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Holding Time: 14 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



Semivolatile Sample Data

Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Lab ID : L2002747-01
 Client ID : 20200117-PFAAS
 Sample Location : ROCHESTER, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I18702
 Sample Amount : 293 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2002747
 Project Number : 2182207
 Date Collected : 01/17/20 12:00
 Date Received : 01/20/20
 Date Analyzed : 02/07/20 06:45
 Date Extracted : 01/28/20
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	1.17	1.71	0.348	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.754	1.71	0.338	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.71	0.203	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	1.71	0.386	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.628	1.71	0.280	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.71	0.209	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.444	1.71	0.192	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.71	0.321	U
335-67-1	Perfluorooctanoic Acid (PFOA)	2.20	1.71	0.201	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.71	1.14	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.71	0.587	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.522	1.71	0.266	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	15.1	1.71	0.430	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.71	0.259	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.71	1.03	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.71	0.956	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.71	0.553	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.71	0.222	U



Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C. Project Name : FORMER WOLLENSACK OPTICAL Lab ID : L2002747-01 Client ID : 20200117-PFAAS Sample Location : ROCHESTER, NY Sample Matrix : SOIL Analytical Method : 134,LCMSMS-ID Lab File ID : I18702 Sample Amount : 293 g Extraction Method : ALPHA 23528 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2002747 Project Number : 2182207 Date Collected : 01/17/20 12:00 Date Received : 01/20/20 Date Analyzed : 02/07/20 06:45 Date Extracted : 01/28/20 Dilution Factor : 1 Analyst : JW Instrument ID : LCMS02 GC Column : Acquity UPLC BEH C18 %Solids : NA Injection Volume : 3 uL
--	---

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.71	0.836	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.519	1.71	0.495	J
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.71	0.686	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.71	0.317	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.71	0.279	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.71	0.212	U
NONE	PFOA/PFOS, Total	17.3	1.71	0.201	
NONE	PFAS, Total (5)	18.3	1.71	0.192	J

Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C. Project Name : FORMER WOLLENSACK OPTICAL Lab ID : WG1334679-1 Client ID : WG1334679-1BLANK Sample Location : Sample Matrix : SOIL Analytical Method : 134,LCMSMS-ID Lab File ID : I18674 Sample Amount : 250 g Extraction Method : ALPHA 23528 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2002747 Project Number : 2182207 Date Collected : NA Date Received : NA Date Analyzed : 02/06/20 23:02 Date Extracted : 01/28/20 Dilution Factor : 1 Analyst : JW Instrument ID : LCMS02 GC Column : Acquity UPLC BEH C18 %Solids : NA Injection Volume : 3 uL
--	---

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	2.00	0.408	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.508	2.00	0.396	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	2.00	0.238	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	2.00	0.452	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	2.00	0.328	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	2.00	0.245	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	2.00	0.225	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	2.00	0.376	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	2.00	0.236	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	2.00	1.33	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.00	0.688	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	2.00	0.312	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	2.00	0.504	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.00	0.304	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.00	1.21	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	2.00	1.12	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	2.00	0.648	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.00	0.260	U



Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C.	Lab Number : L2002747
Project Name : FORMER WOLLENSACK OPTICAL	Project Number : 2182207
Lab ID : WG1334679-1	Date Collected : NA
Client ID : WG1334679-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/06/20 23:02
Sample Matrix : SOIL	Date Extracted : 01/28/20
Analytical Method : 134,LCMSMS-ID	Dilution Factor : 1
Lab File ID : I18674	Analyst : JW
Sample Amount : 250 g	Instrument ID : LCMS02
Extraction Method : ALPHA 23528	GC Column : Acquity UPLC BEH C18
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.00	0.980	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.00	0.580	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.00	0.804	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.00	0.372	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.00	0.327	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.00	0.248	U
NONE	PFOA/PFOS, Total	ND	2.00	0.236	U
NONE	PFAS, Total (5)	ND	2.00	0.225	U

Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Lab ID : WG1334679-4
 Client ID : 20200117-PFAASDUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I18703
 Sample Amount : 287 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2002747
 Project Number : 2182207
 Date Collected : 01/17/20 12:00
 Date Received : 01/20/20
 Date Analyzed : 02/07/20 07:02
 Date Extracted : 01/28/20
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	1.50	1.74	0.355	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.753	1.74	0.345	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.74	0.207	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	1.74	0.394	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.833	1.74	0.286	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.74	0.214	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.425	1.74	0.196	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.74	0.328	U
335-67-1	Perfluorooctanoic Acid (PFOA)	2.37	1.74	0.206	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.74	1.16	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.74	0.599	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.519	1.74	0.272	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	14.3	1.74	0.439	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.74	0.265	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.74	1.06	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.74	0.976	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.74	0.564	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.74	0.226	U



Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C. Project Name : FORMER WOLLENSACK OPTICAL Lab ID : WG1334679-4 Client ID : 20200117-PFAASDUP Sample Location : Sample Matrix : SOIL Analytical Method : 134,LCMSMS-ID Lab File ID : I18703 Sample Amount : 287 g Extraction Method : ALPHA 23528 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2002747 Project Number : 2182207 Date Collected : 01/17/20 12:00 Date Received : 01/20/20 Date Analyzed : 02/07/20 07:02 Date Extracted : 01/28/20 Dilution Factor : 1 Analyst : JW Instrument ID : LCMS02 GC Column : Acquity UPLC BEH C18 %Solids : NA Injection Volume : 3 uL
---	---

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.74	0.854	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.770	1.74	0.505	J
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.74	0.700	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.74	0.324	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.74	0.285	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.74	0.216	U
NONE	PFOA/PFOS, Total	16.7	1.74	0.206	
NONE	PFAS, Total (5)	17.6	1.74	0.196	J



Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C. Project Name : FORMER WOLLENSACK OPTICAL Lab ID : WG1334679-5 Client ID : WG1334679-5BLANK Sample Location : Sample Matrix : SOIL Analytical Method : 134,LCMSMS-ID Lab File ID : I18675 Sample Amount : 282 g Extraction Method : ALPHA 23528 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2002747 Project Number : 2182207 Date Collected : NA Date Received : NA Date Analyzed : 02/06/20 23:18 Date Extracted : 01/28/20 Dilution Factor : 1 Analyst : JW Instrument ID : LCMS02 GC Column : Acquity UPLC BEH C18 %Solids : NA Injection Volume : 3 uL
--	---

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	1.77	0.362	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.404	1.77	0.351	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.77	0.211	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	1.77	0.401	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.340	1.77	0.291	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.77	0.217	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.77	0.200	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.77	0.333	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.77	0.209	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.77	1.18	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.77	0.610	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.77	0.276	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.77	0.447	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.77	0.270	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.77	1.07	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.77	0.993	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.77	0.574	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.77	0.230	U



Results Summary

Form 1

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312

Client : LaBella Associates, P.C. Project Name : FORMER WOLLENSACK OPTICAL Lab ID : WG1334679-5 Client ID : WG1334679-5BLANK Sample Location : Sample Matrix : SOIL Analytical Method : 134,LCMSMS-ID Lab File ID : I18675 Sample Amount : 282 g Extraction Method : ALPHA 23528 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2002747 Project Number : 2182207 Date Collected : NA Date Received : NA Date Analyzed : 02/06/20 23:18 Date Extracted : 01/28/20 Dilution Factor : 1 Analyst : JW Instrument ID : LCMS02 GC Column : Acquity UPLC BEH C18 %Solids : NA Injection Volume : 3 uL
--	---

CAS NO.	Parameter	ng/l			Qualifier
		Results	RL	MDL	
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.77	0.869	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.77	0.514	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.77	0.713	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.77	0.330	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.77	0.290	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.77	0.220	U
NONE	PFOA/PFOS, Total	ND	1.77	0.209	U
NONE	PFAS, Total (5)	ND	1.77	0.200	U



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Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: L2002747-01

Name: I18702

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913,WG1334679,ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	212.926 > 169.111	1122 m3		0.342		na	
2	M3PFBA	INT STD	2.20	215.926 > 172.122	37054		7.997		na	80.0
3	MPFBA	INT STD	2.19	216.926 > 172.137	39346		9.757		na	97.6
4	PFPeA	2706-90-3	5.07	262.926 > 219.002	1377		0.221		na	
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	64615		11.298		na	113.0
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.72	301.989 > 80.254	9421		10.347		na	103.5
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.87	329.117 > 309.079	9455		15.993		na	159.9
10	PFHxA	307-24-4	6.95	312.989 > 269.028	1338		0.184		YES	
11	M5PFHxA	INT STD	6.95	317.989 > 273.045	78952		8.391		na	83.9
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9	8.19	362.926 > 319.014	1320		0.130		YES	
14	M4PFHpA	INT STD	8.19	366.926 > 321.979	112689		8.991		na	89.9
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND	0.00	YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.34	401.926 > 80.317	5583		10.623		na	106.2
19	br-PFOA	335-67-1	8.89	412.989 > 368.9	437		0.041	4.07	NO	
20	L-PFOA	335-67-1	9.09	412.989 > 368.9	6491		0.605	13.46	NO	
21	PFOA	335-67-1		412.989 > 368.9	6928		0.646		na	
22	M8PFOA	INT STD	9.09	420.989 > 375.979	116782		9.710		na	97.1
23	M2PFOA	INT STD	9.09	415.032 > 369.968	122915		11.627		na	116.3
24	6:2FTS	27619-97-2		426.989 > 406.921			ND		YES	
25	M2-6:2FTS	INT STD	9.05	428.989 > 408.917	12065		20.884		na	208.8
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1	9.83	462.989 > 418.931	1592		0.153	4.83	NO	
28	M9PFNA	INT STD	9.83	472.053 > 426.947	126698		10.706		na	107.1
29	br-PFOS	1763-23-1	9.65	498.989 > 80.294	654 m5		0.701	3.18	NO	
30	L-PFOS	1763-23-1	9.88	498.989 > 80.294	2612 m5		3.727	1.62	YES	
31	PFOS	1763-23-1		498.989 > 80.294	3266		4.428		na	
32	M4PFOS	INT STD	9.88	503.032 > 80.306	6505		9.314		na	93.1
33	M8PFOS	INT STD	9.88	507.053 > 80.294	7141		10.699		na	107.0
34	PFDA	335-76-2	10.46	513.053 > 468.906	770 m4		0.070		YES	
35	M2PFDA	INT STD	10.45	515.053 > 469.934	120515		13.650		na	136.5
36	M6PFDA	INT STD	10.45	519.053 > 473.931	127501		10.237		na	102.4
37	8:2FTS	39108-34-4		526.926 > 506.818			ND		na	
38	M2-8:2FTS	INT STD	10.45	529.053 > 508.945	8646		25.512		na	255.1
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

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Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

ID: L2002747-01

Name: I18702

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.84	573.096 > 418.987	14618		10.305		na	103.1
41	br-NMeFOSAA	2355-31-9	10.68	570.053 > 418.917	20	m5	0.015		YES	
42	L-NMeFOSAA	2355-31-9	10.85	570.053 > 418.917	174		0.128	4.99	YES	
43	NMeFOSAA	2355-31-9		570.053 > 418.917	195		0.143		na	
44	PFUnA	2058-94-8	11.00	562.989 > 518.903	262		0.023		YES	
45	M7-PFUDA	INT STD	11.00	570.053 > 524.923	119957		10.856		na	108.6
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6	10.89	497.989 > 78.245	94		0.152		YES	
48	M8FOSA	INT STD	10.90	506.053 > 78.286	5812		1.974		na	19.7
49	d5-NEtFOSAA	INT STD	11.14	589.117 > 418.929	14162		11.302		na	113.0
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.14	583.989 > 418.927	261	m4	0.195		YES	
52	NEtFOSAA	2991-50-6		583.989 > 418.927	261		0.195		na	
53	PFDaA	307-55-1	11.50	612.989 > 568.967	321		0.033		YES	
54	MPFDOA	INT STD	11.49	614.989 > 569.92	114106		9.205		na	92.0
55	PFTTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7	12.29	713.053 > 668.976	154		0.026		YES	
57	M2PFTEDA	INT STD	12.29	715.053 > 669.945	73052		7.419		na	74.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

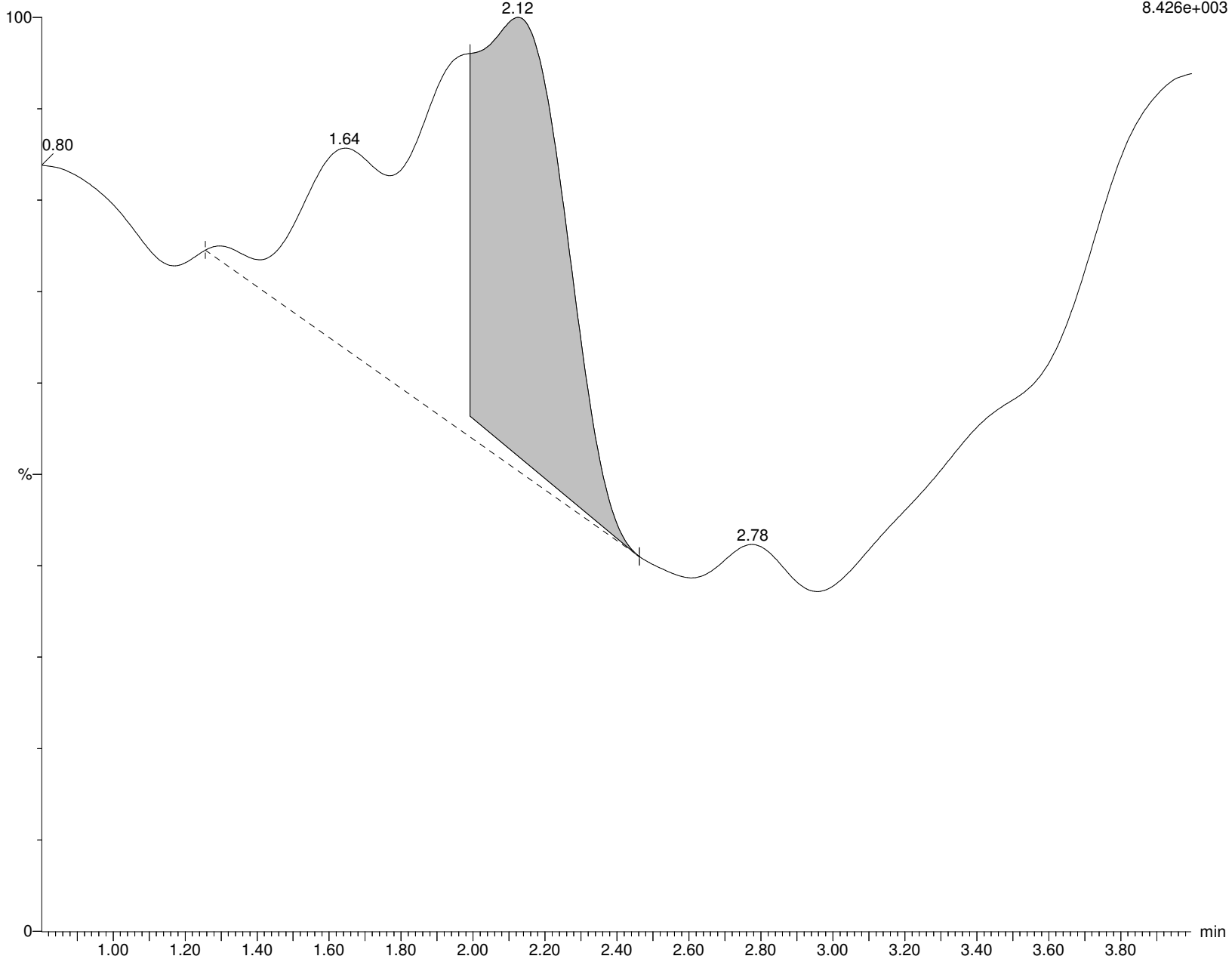
I18702 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 L2002747-01

F1:MRM of 1 channel,ES-

212.926 > 169.111

8.426e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

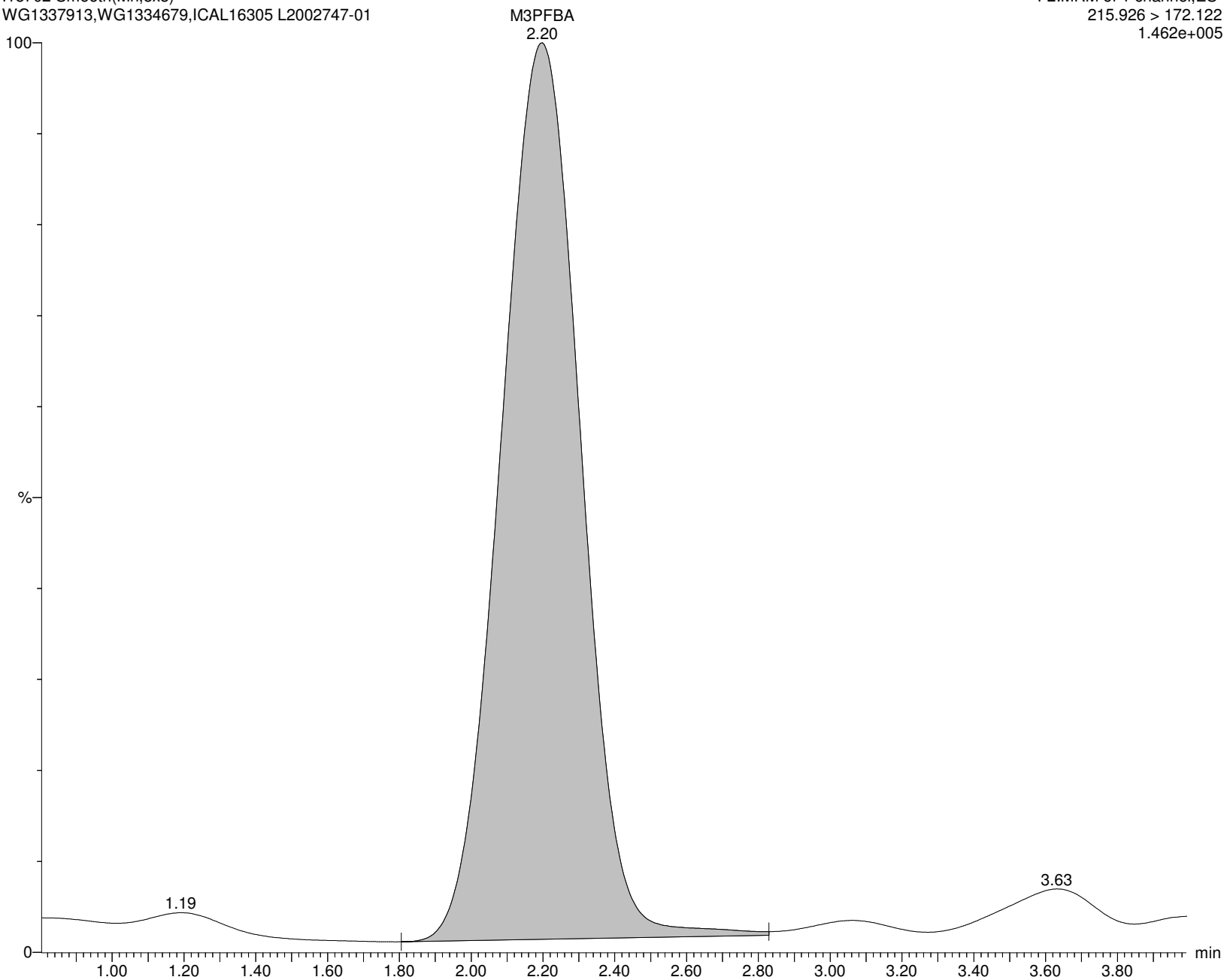
I18702 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 L2002747-01

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.462e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

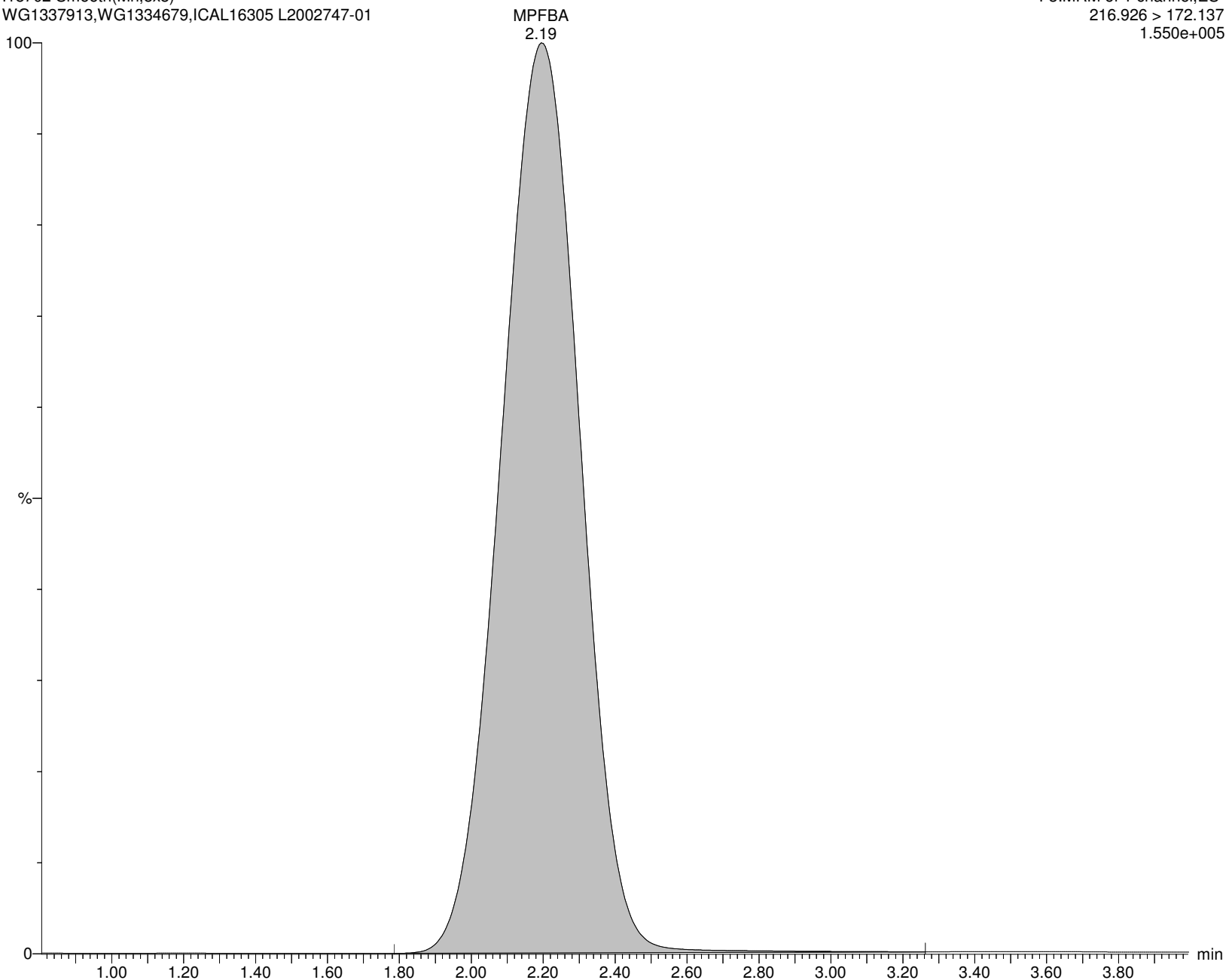
I18702 Smooth(Mn,8x8)

WG1337913,WG1334679,ICAL16305 L2002747-01

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.550e+005



Alpha Analytical Inc.

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

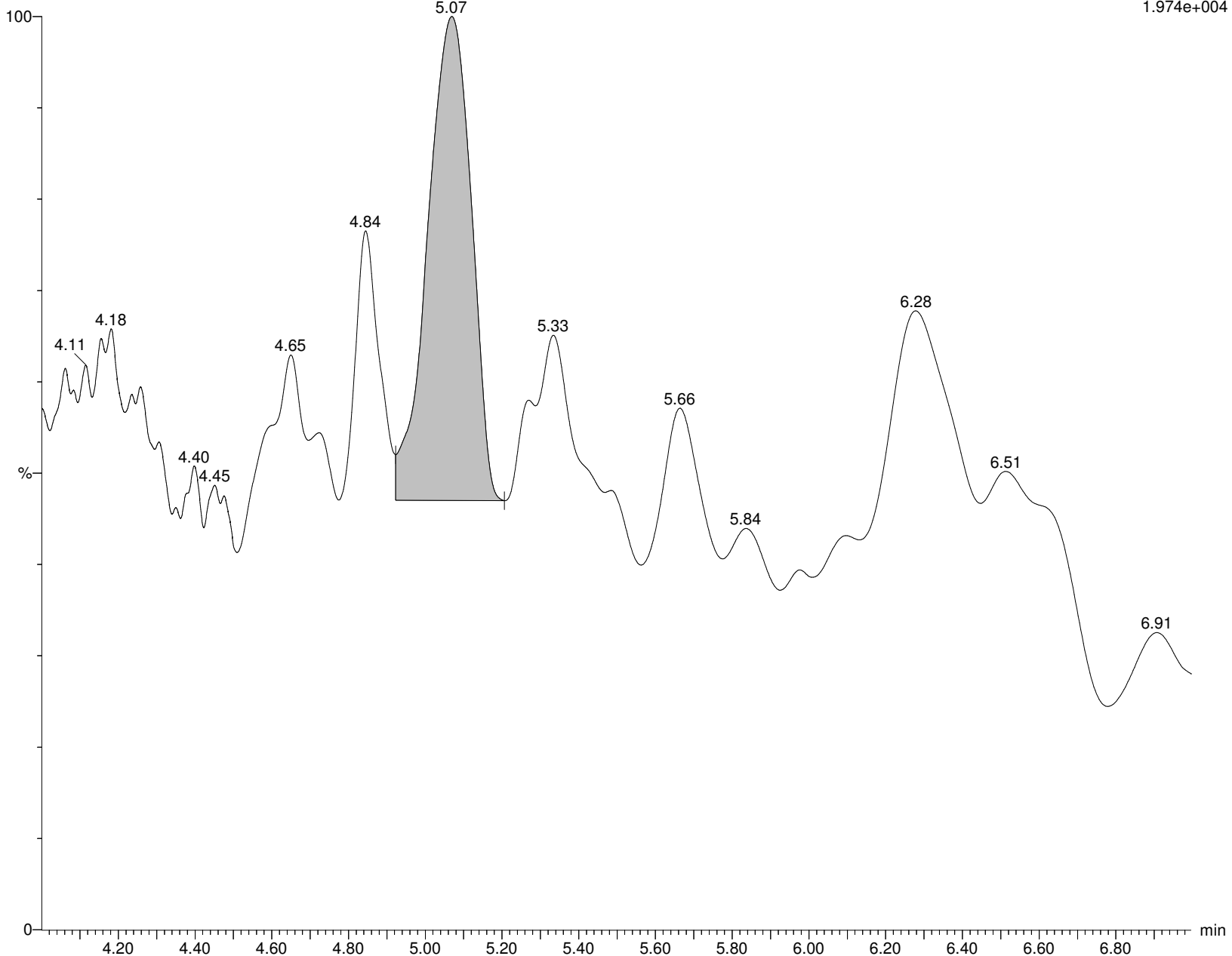
I18702 Smooth(Mn,7x7)

WG1337913, WG1334679, ICAL16305 L2002747-01

F4:MRM of 1 channel, ES-

262.926 > 219.002

1.974e+004



Alpha Analytical Inc.

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Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18702 Smooth(Mn,10x10)

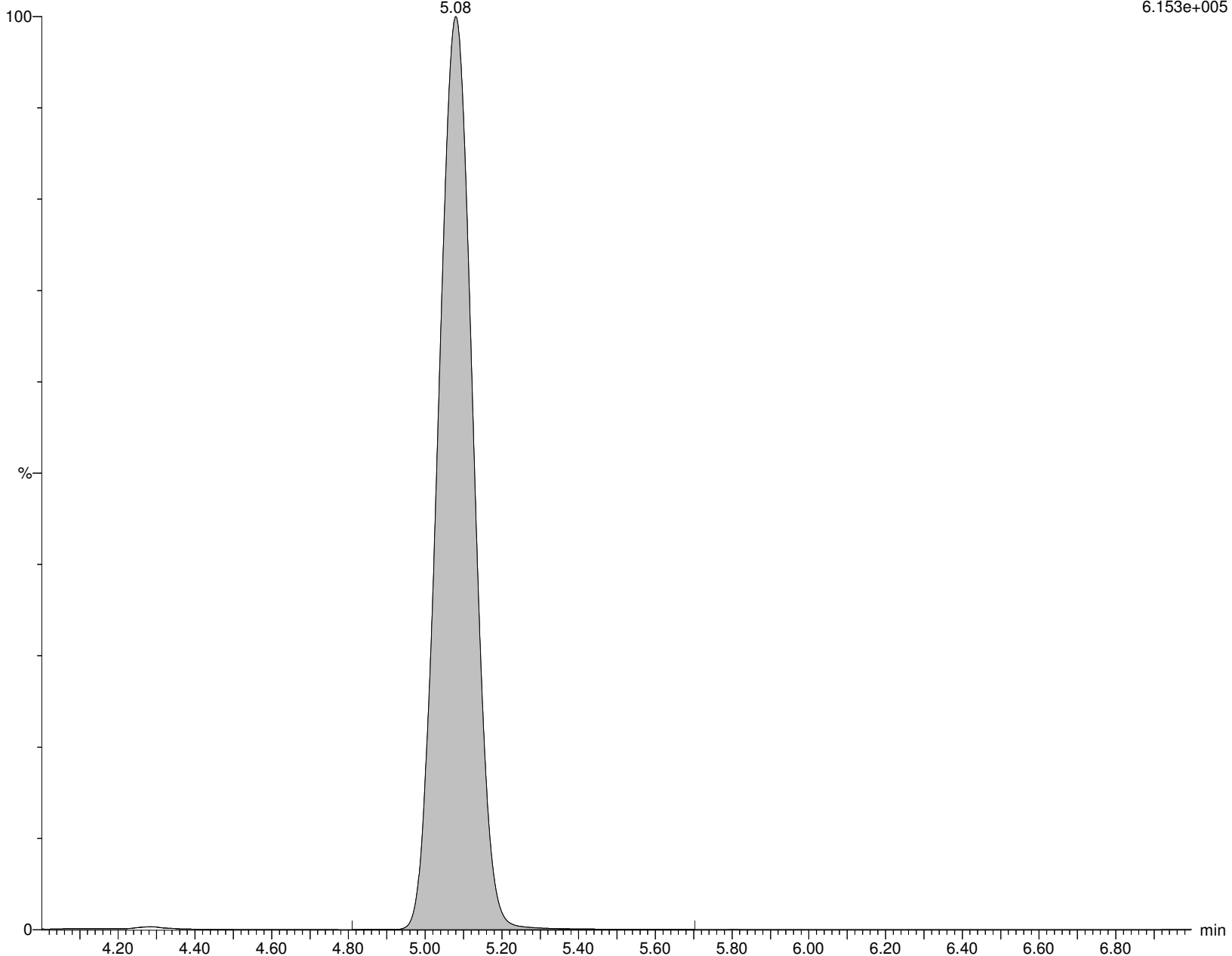
WG1337913, WG1334679, ICAL16305 L2002747-01

M5PFPEA
5.08

F5:MRM of 1 channel, ES-

267.989 > 223.081

6.153e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

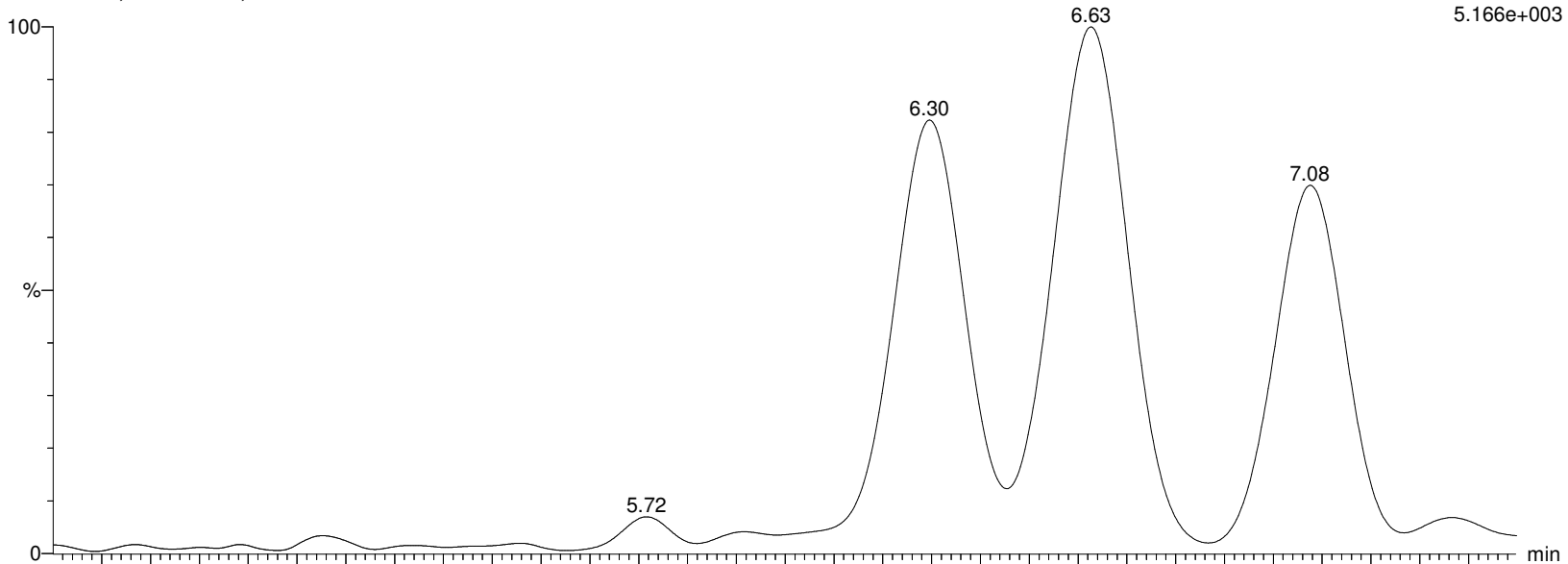
I18702 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 L2002747-01

F7:MRM of 2 channels, ES-

298.926 > 79.923

5.166e+003



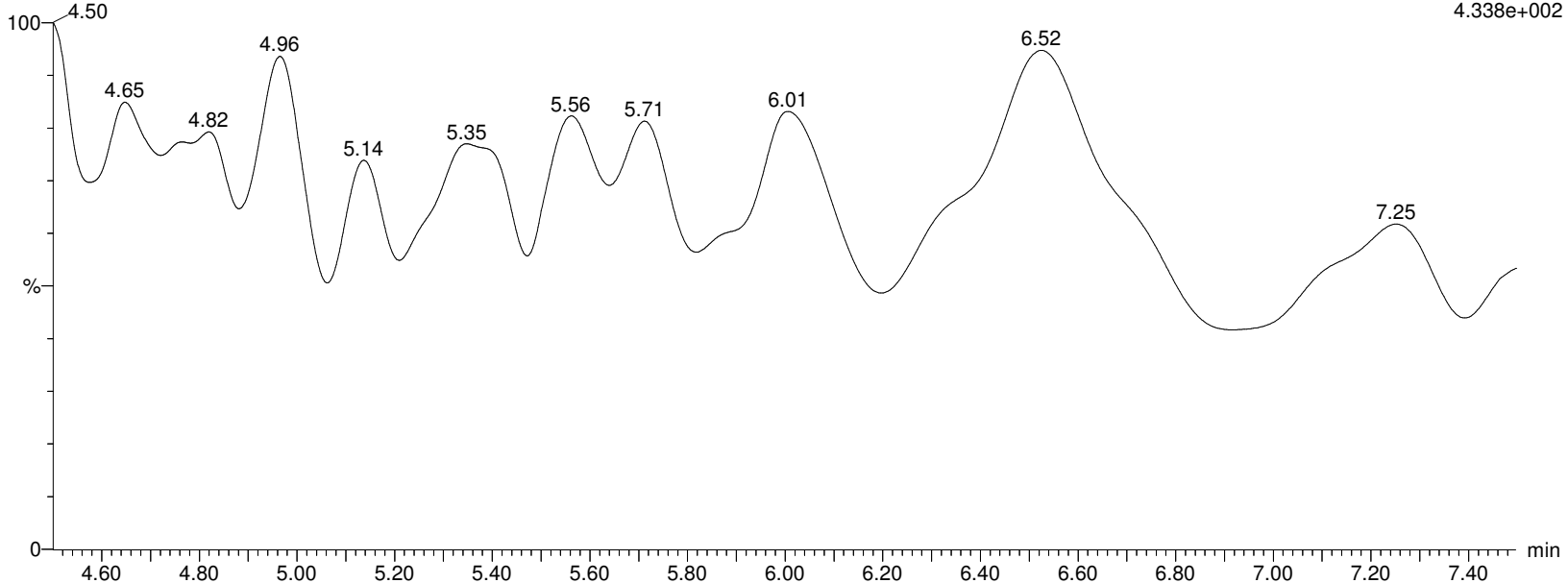
I18702 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 L2002747-01

F7:MRM of 2 channels, ES-

298.926 > 98.862

4.338e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

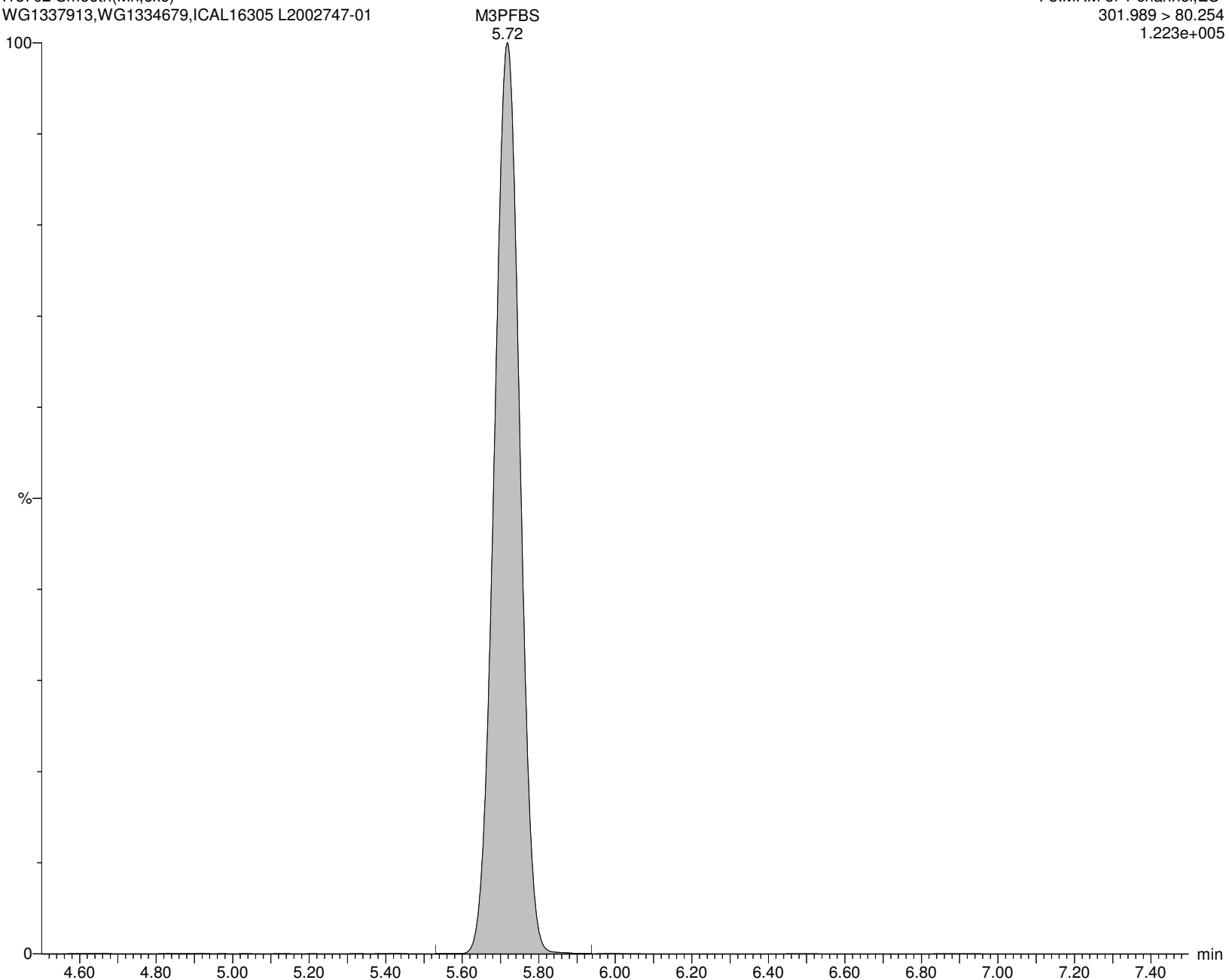
I18702 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 L2002747-01

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.223e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

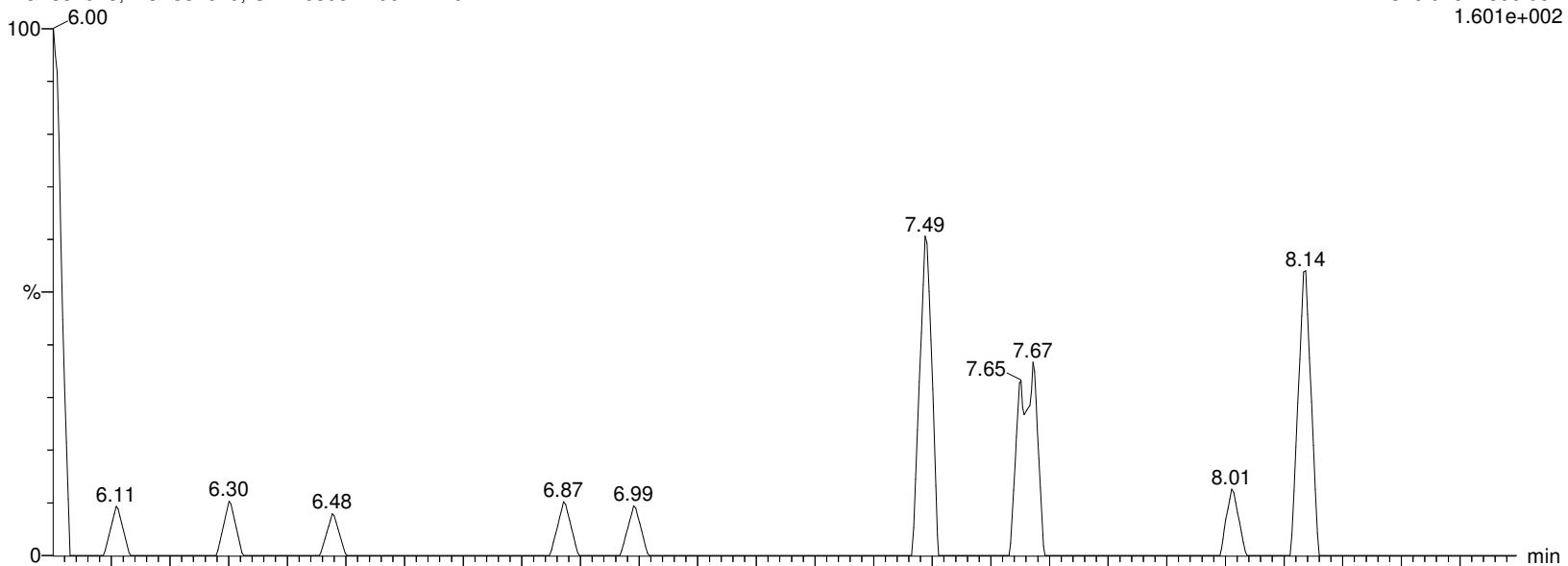
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.601e+002



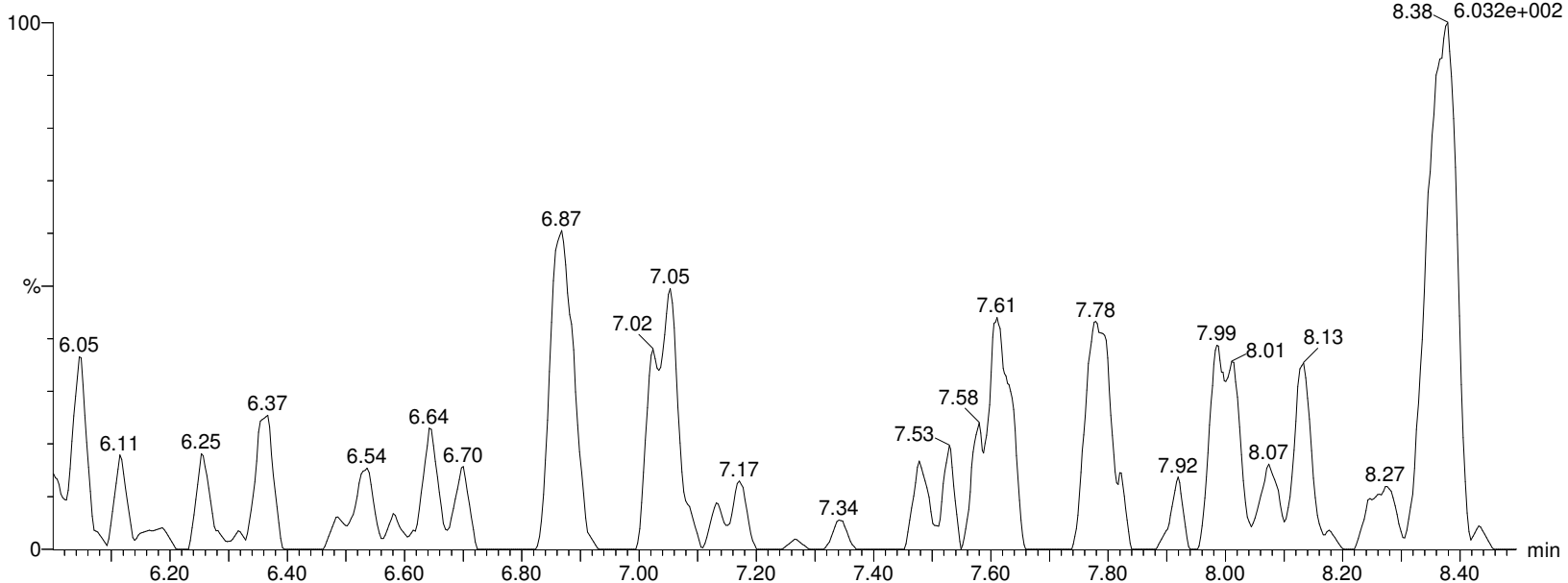
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F11:MRM of 2 channels, ES-

326.926 > 81.02

8.38 6.032e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

I18702 Smooth(Mn,2x3)

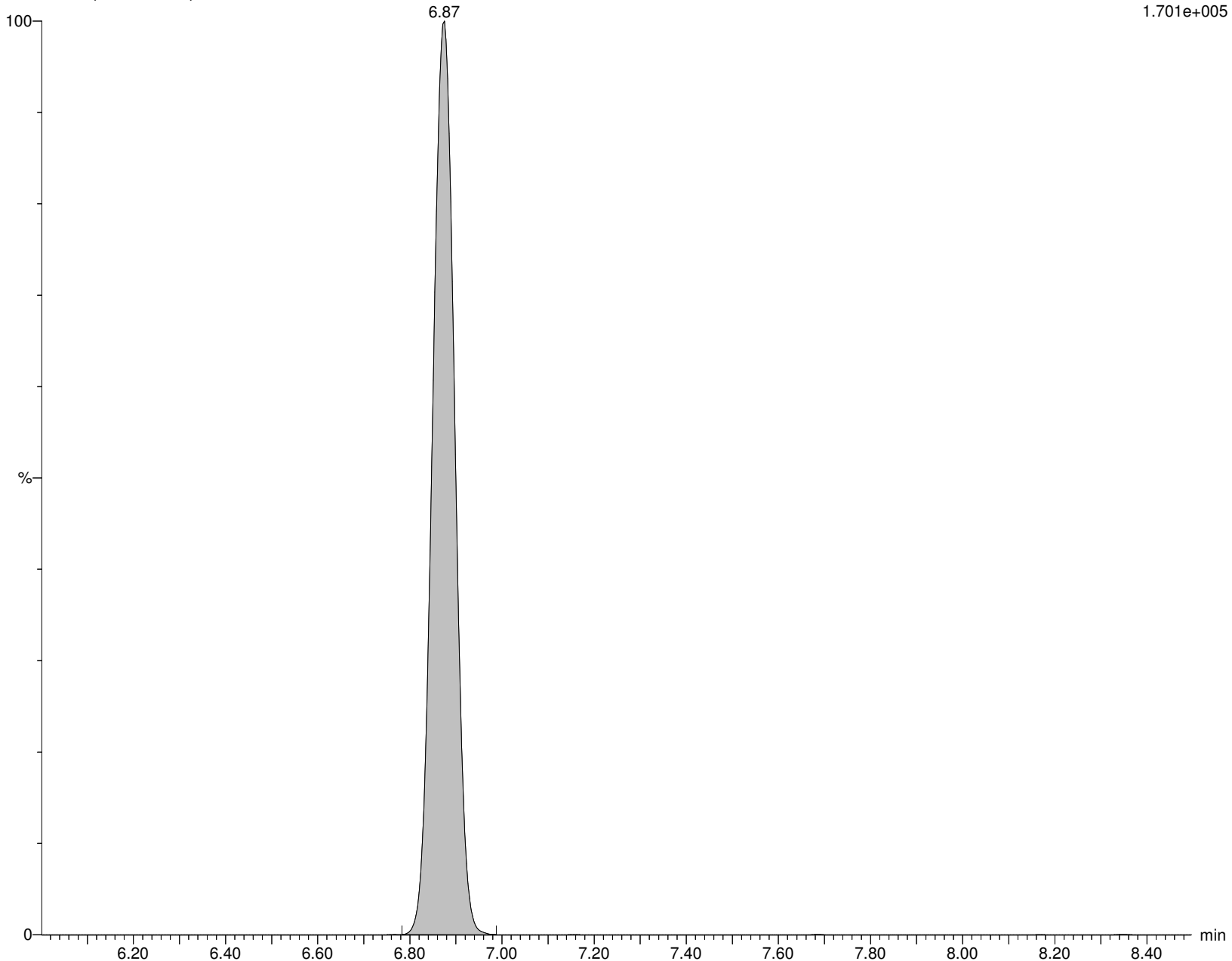
WG1337913, WG1334679, ICAL16305 L2002747-01

M2-4:2FTS

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.701e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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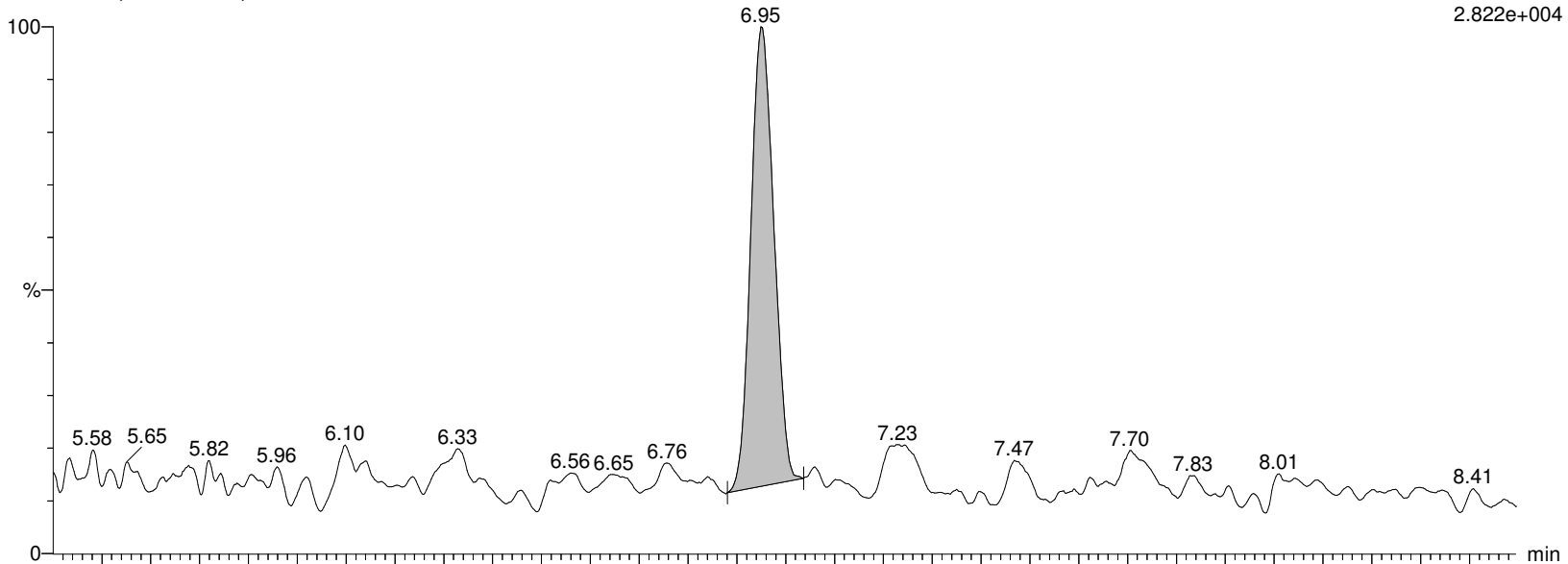
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F9:MRM of 2 channels, ES-

312.989 > 269.028

2.822e+004



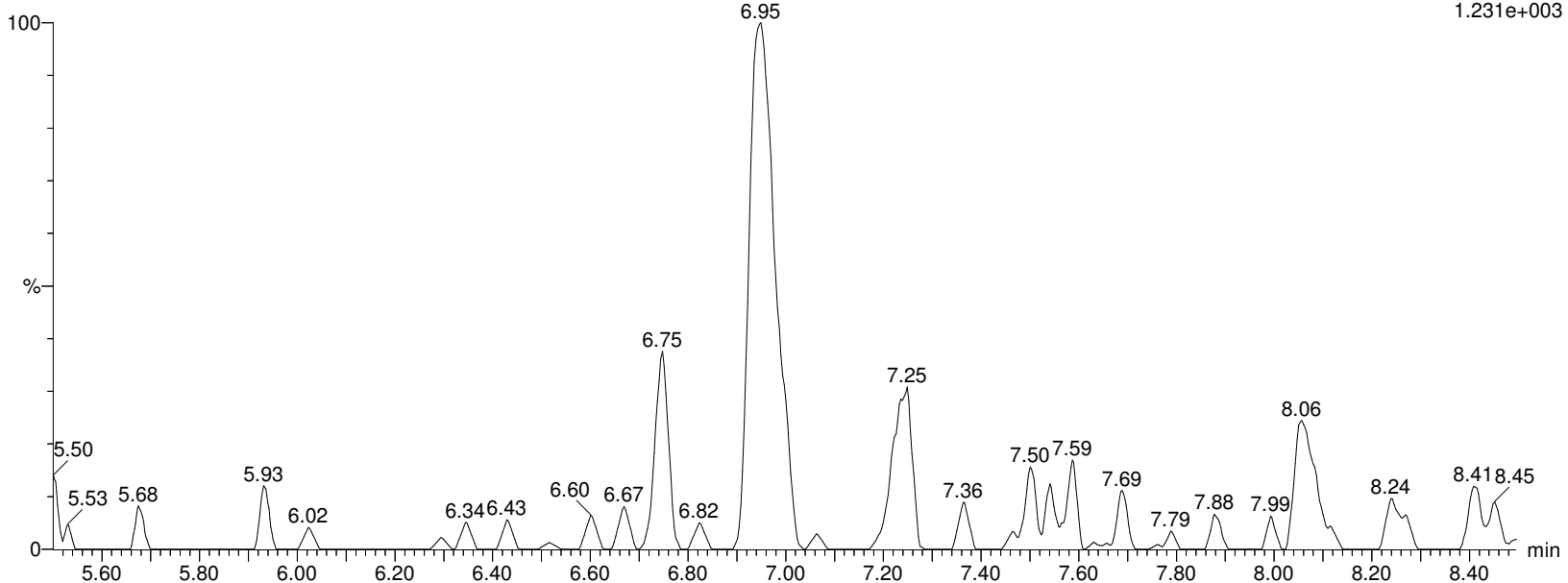
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F9:MRM of 2 channels, ES-

312.989 > 119.18

1.231e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

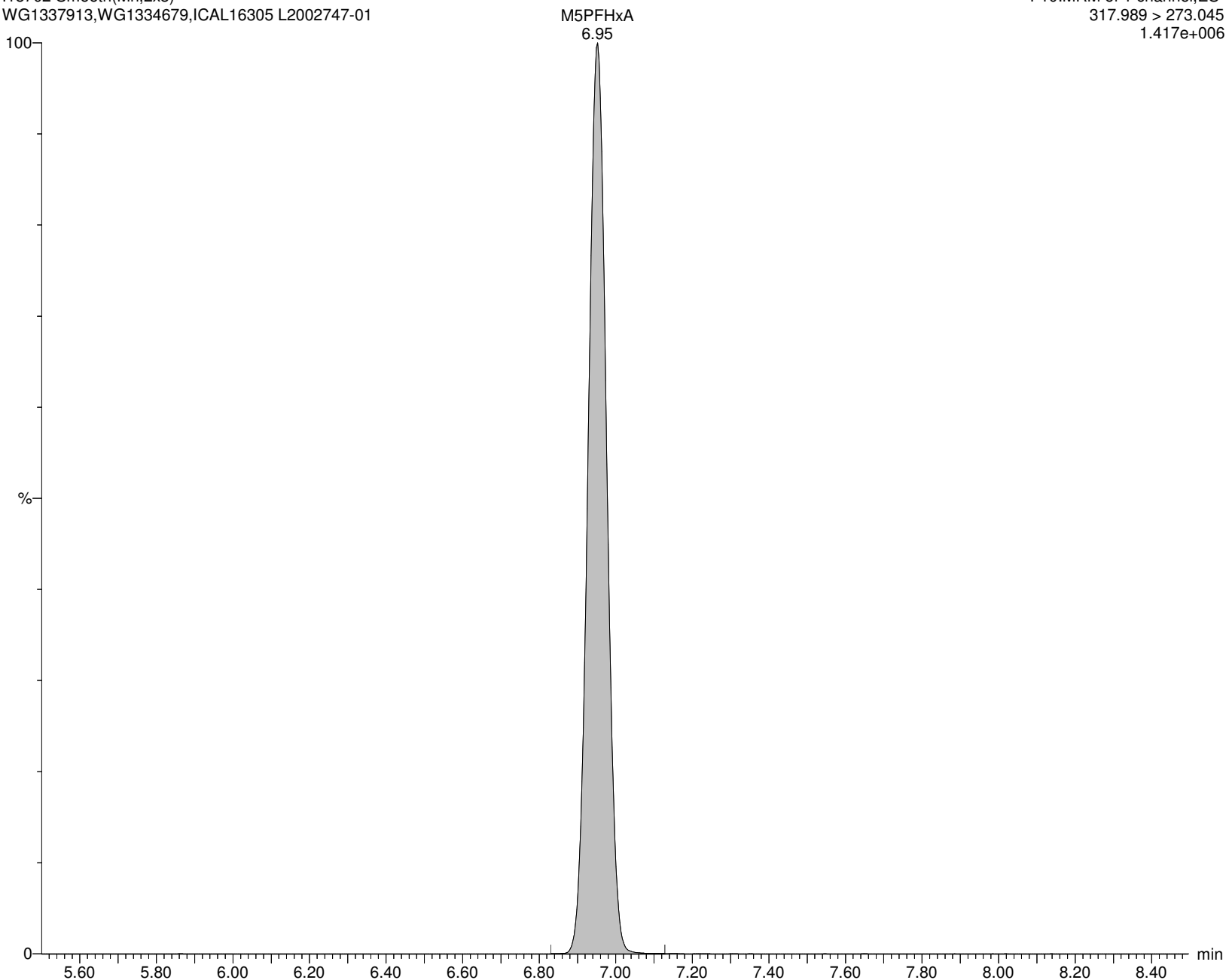
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F10:MRM of 1 channel, ES-

317.989 > 273.045

1.417e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

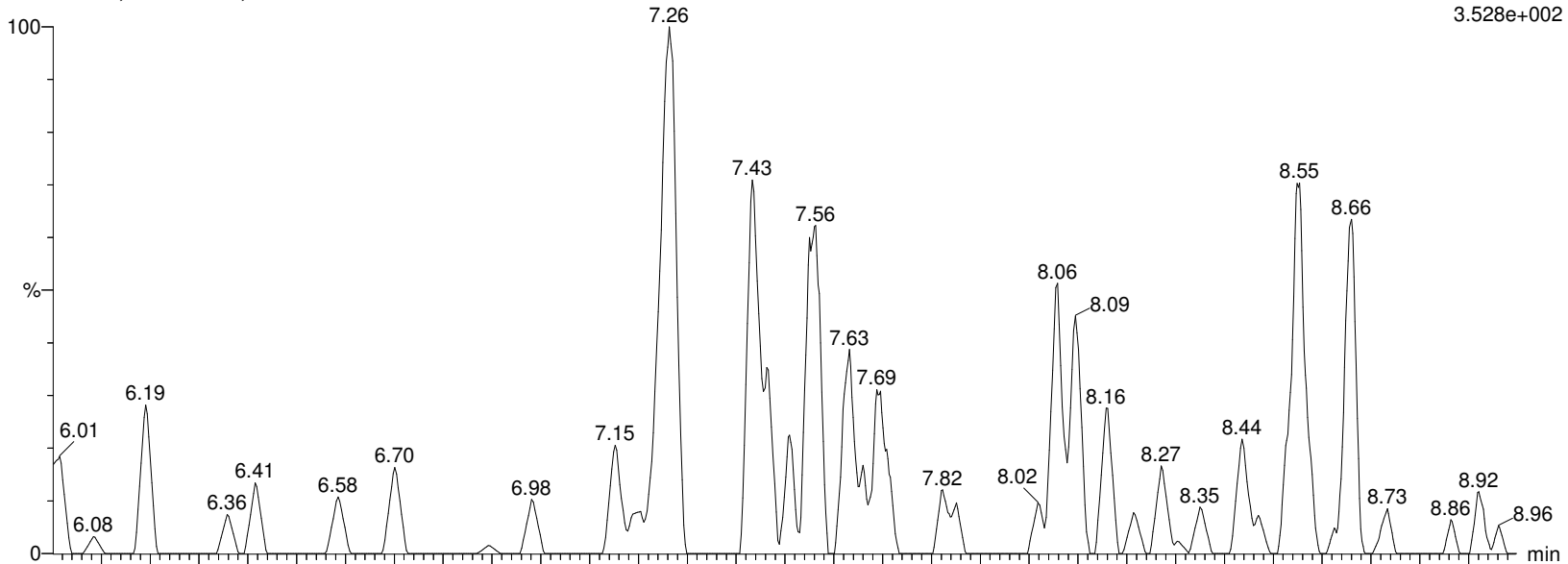
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F14:MRM of 2 channels, ES-

348.926 > 80.251

3.528e+002



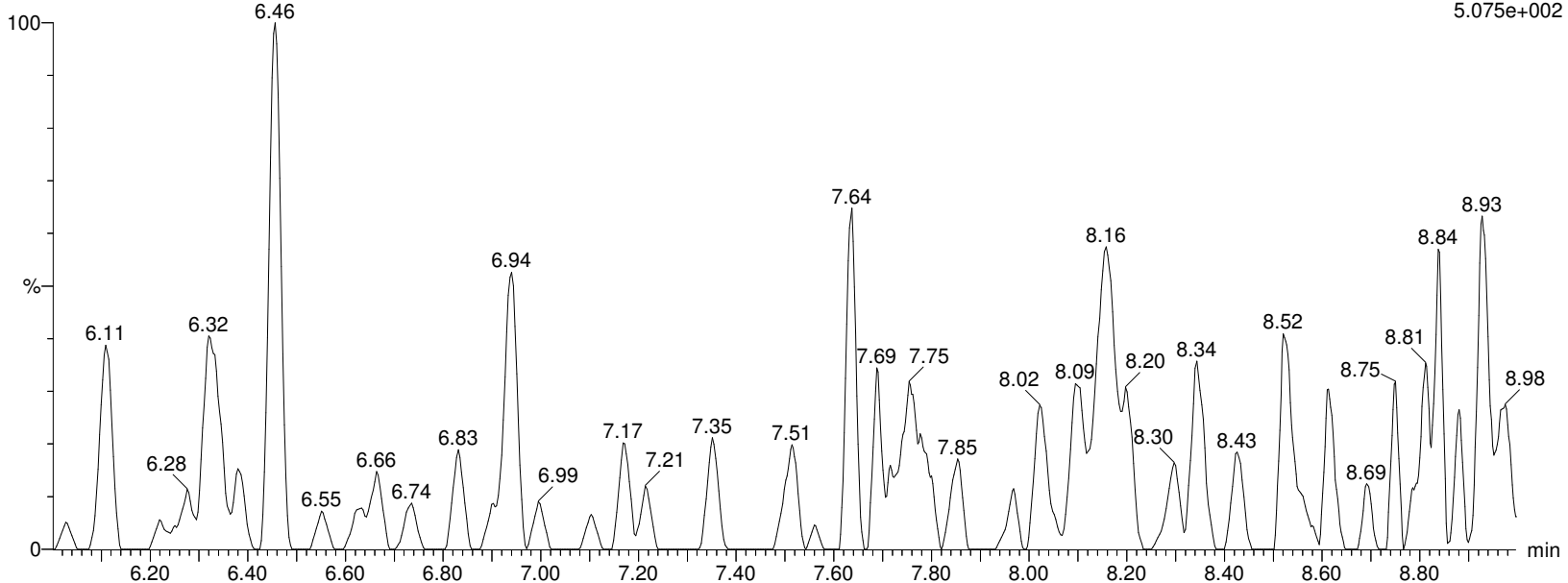
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F14:MRM of 2 channels, ES-

348.926 > 99.16

5.075e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

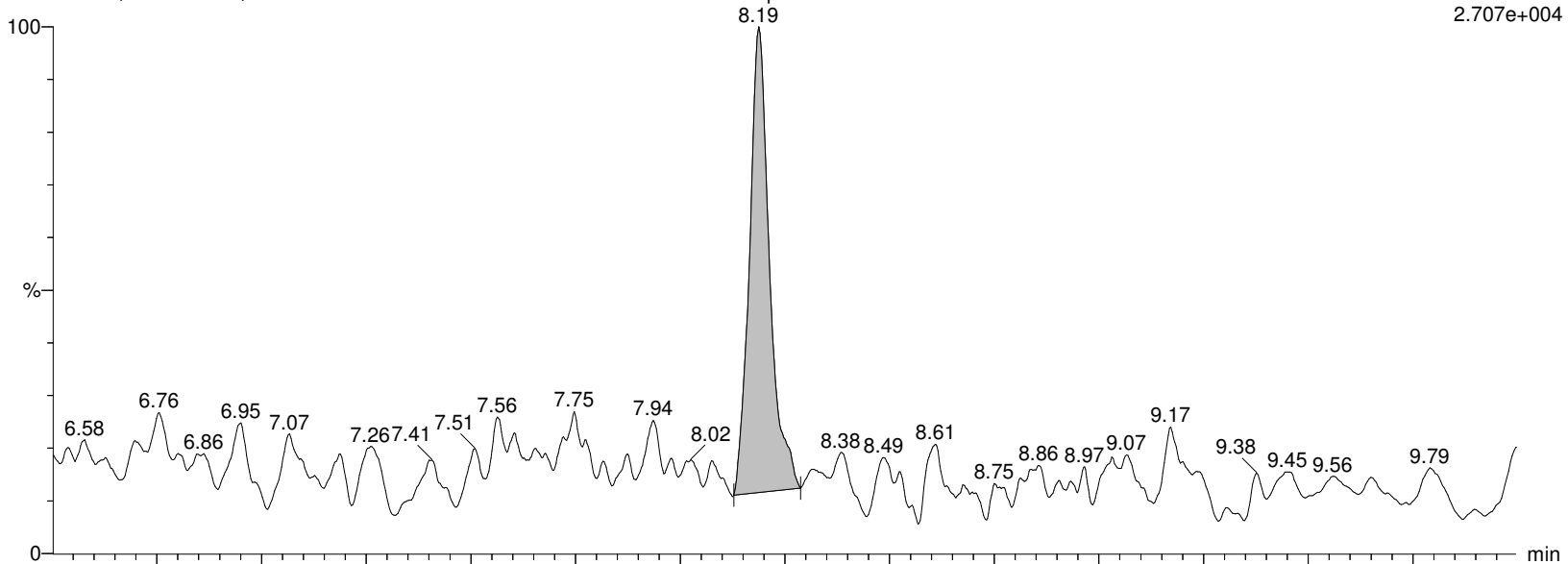
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F15:MRM of 2 channels, ES-

362.926 > 319.014

2.707e+004



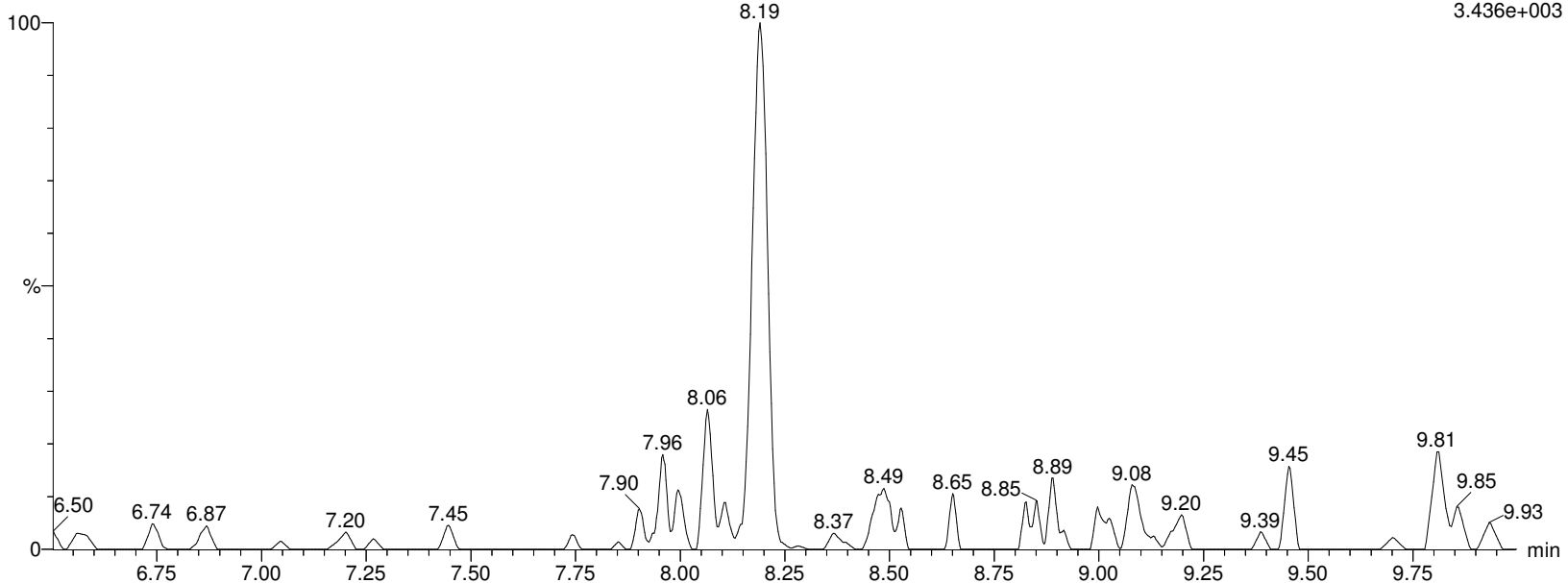
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F15:MRM of 2 channels, ES-

362.926 > 169.12

3.436e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

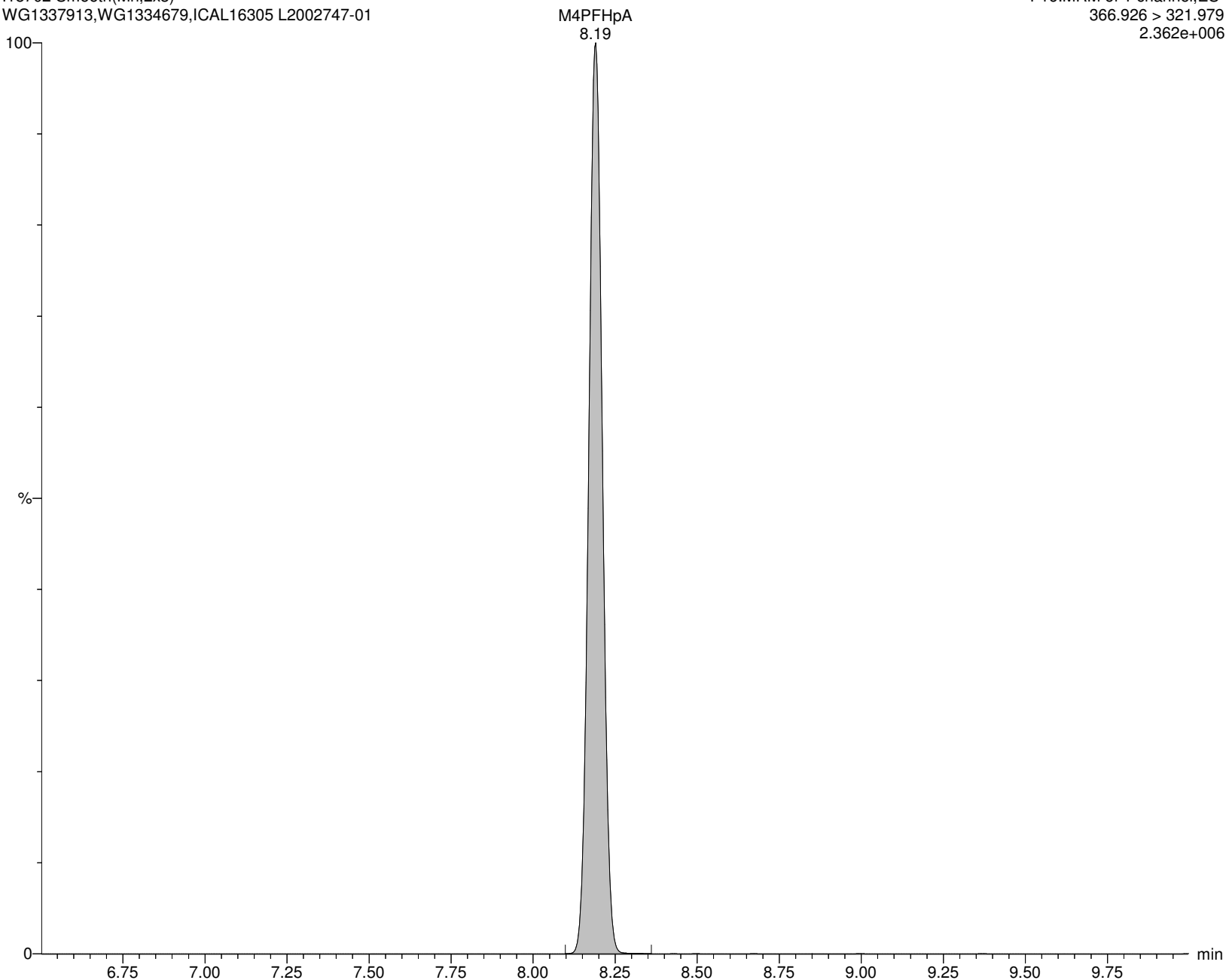
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F16:MRM of 1 channel, ES-

366.926 > 321.979

2.362e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

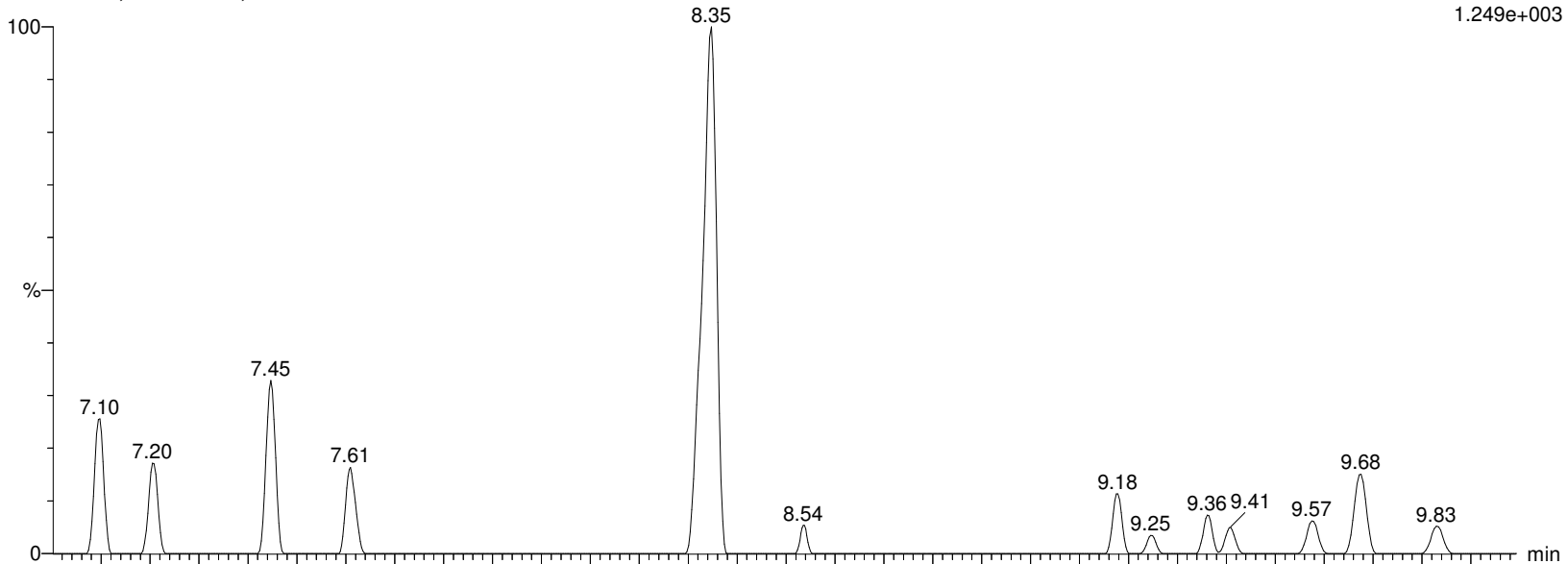
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.249e+003



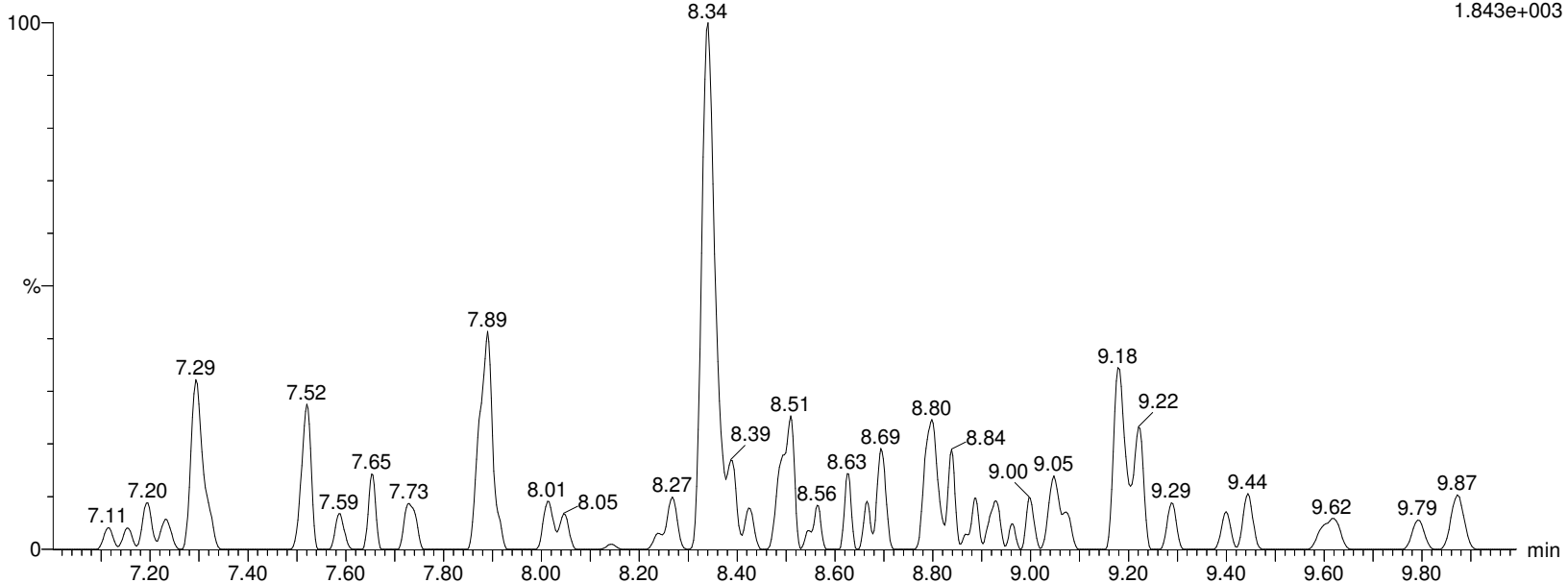
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.843e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

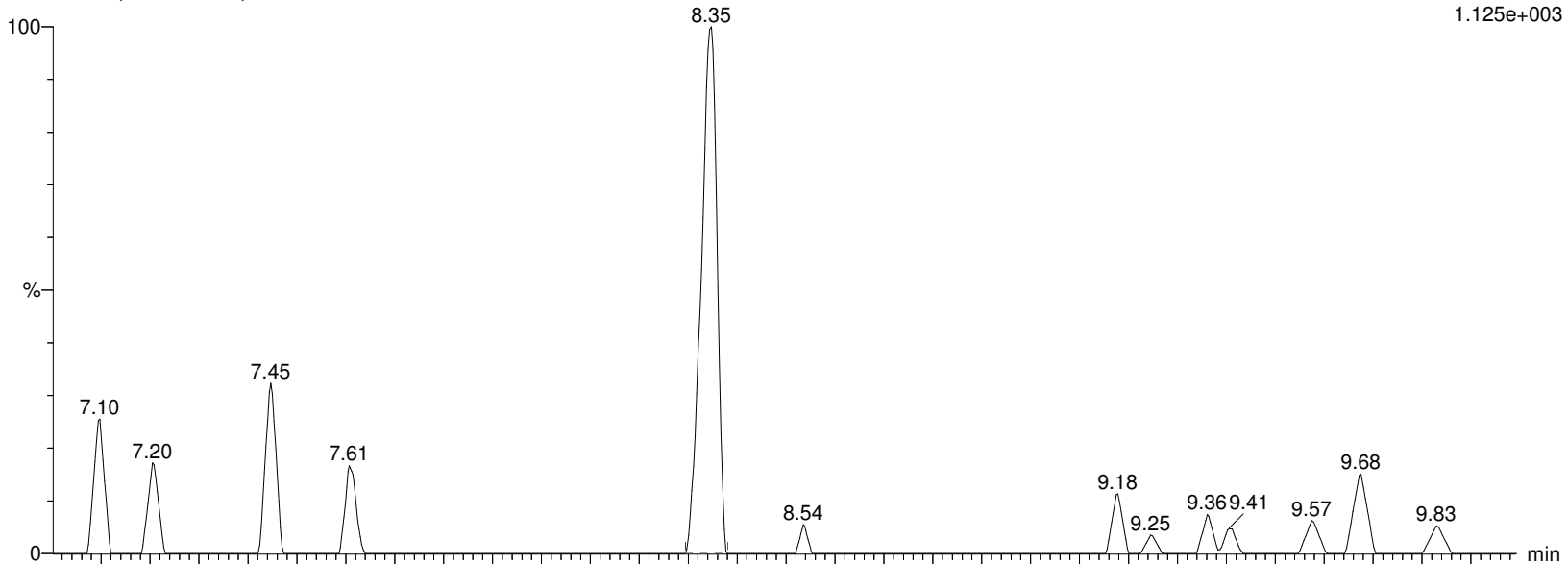
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.125e+003



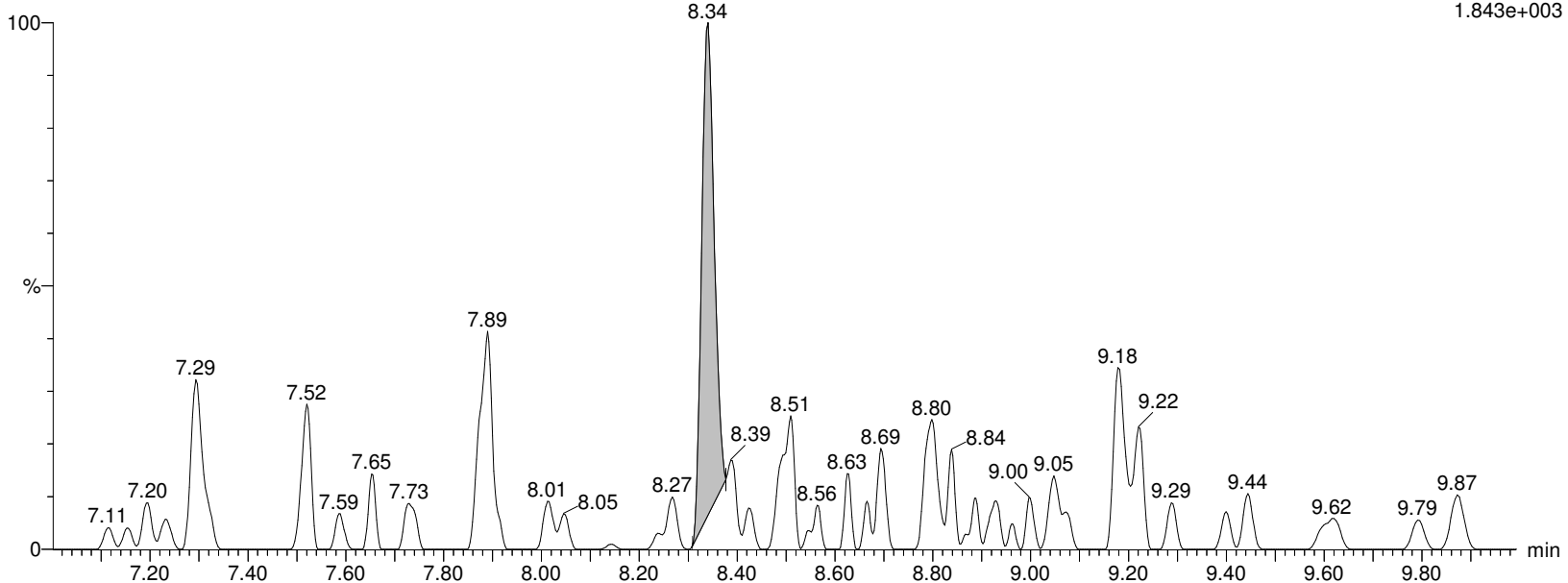
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.843e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

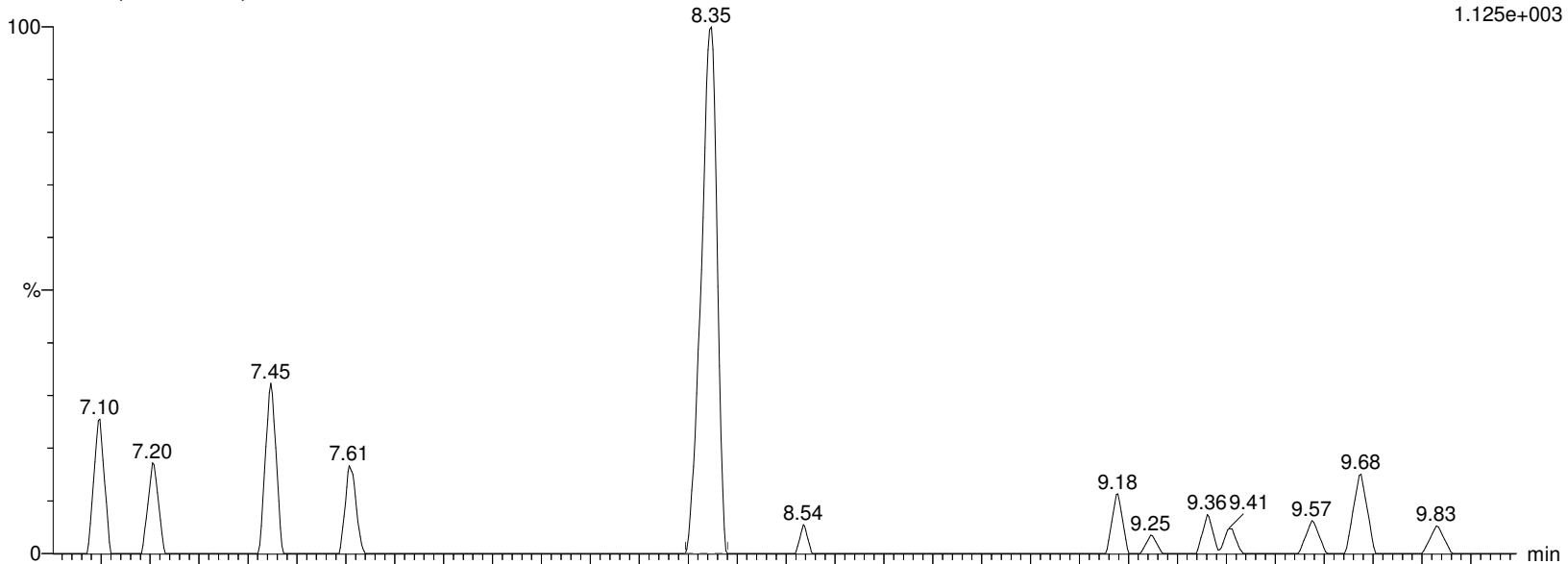
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.125e+003



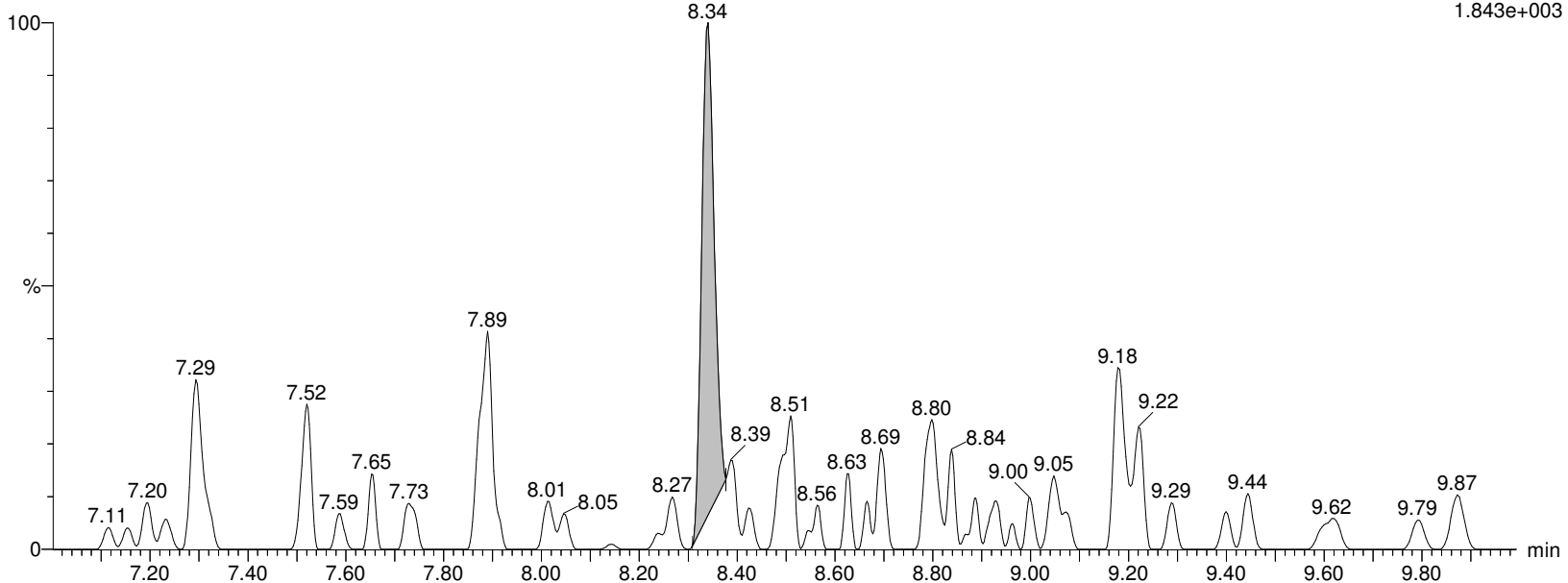
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.843e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

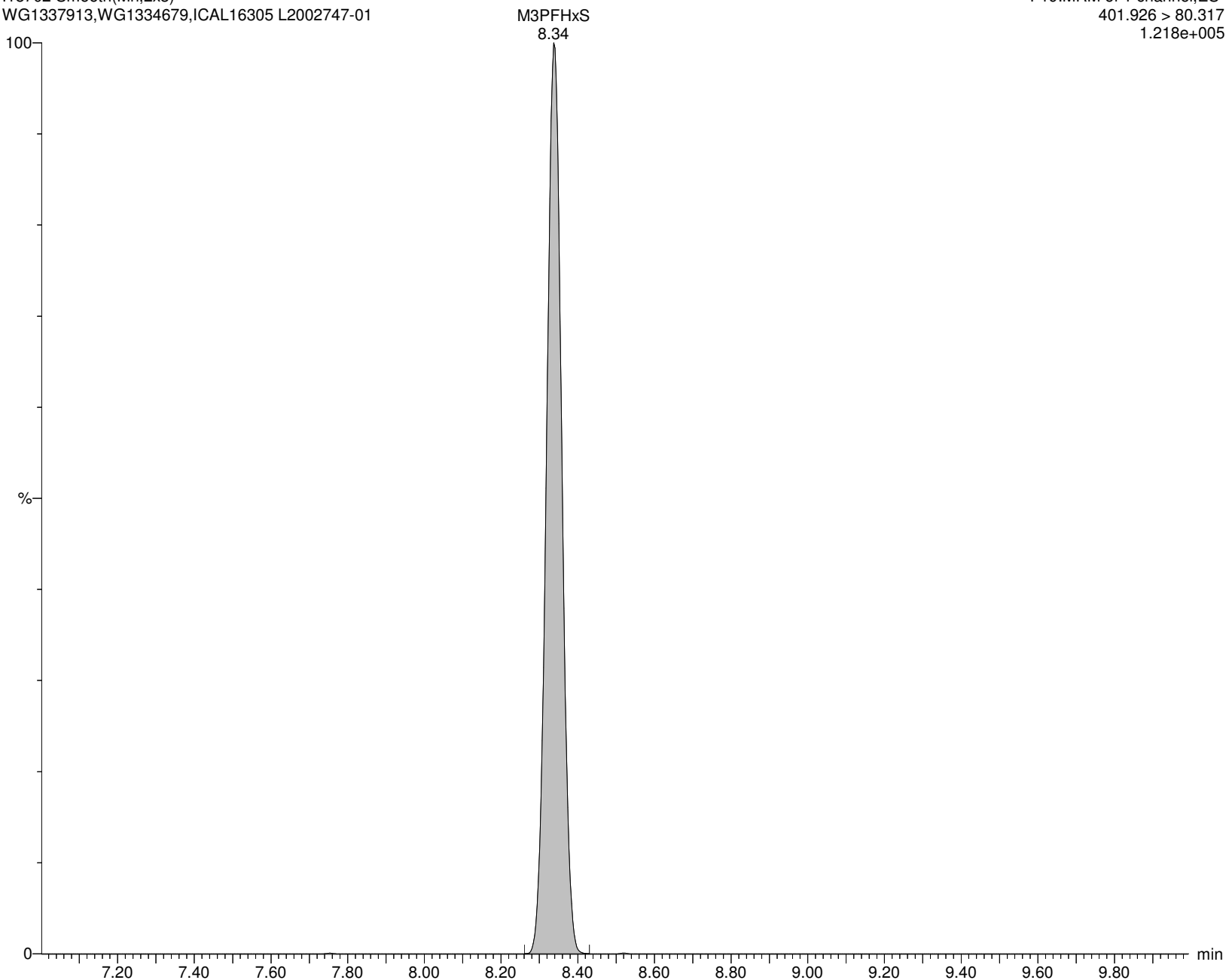
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.218e+005



Alpha Analytical Inc.

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

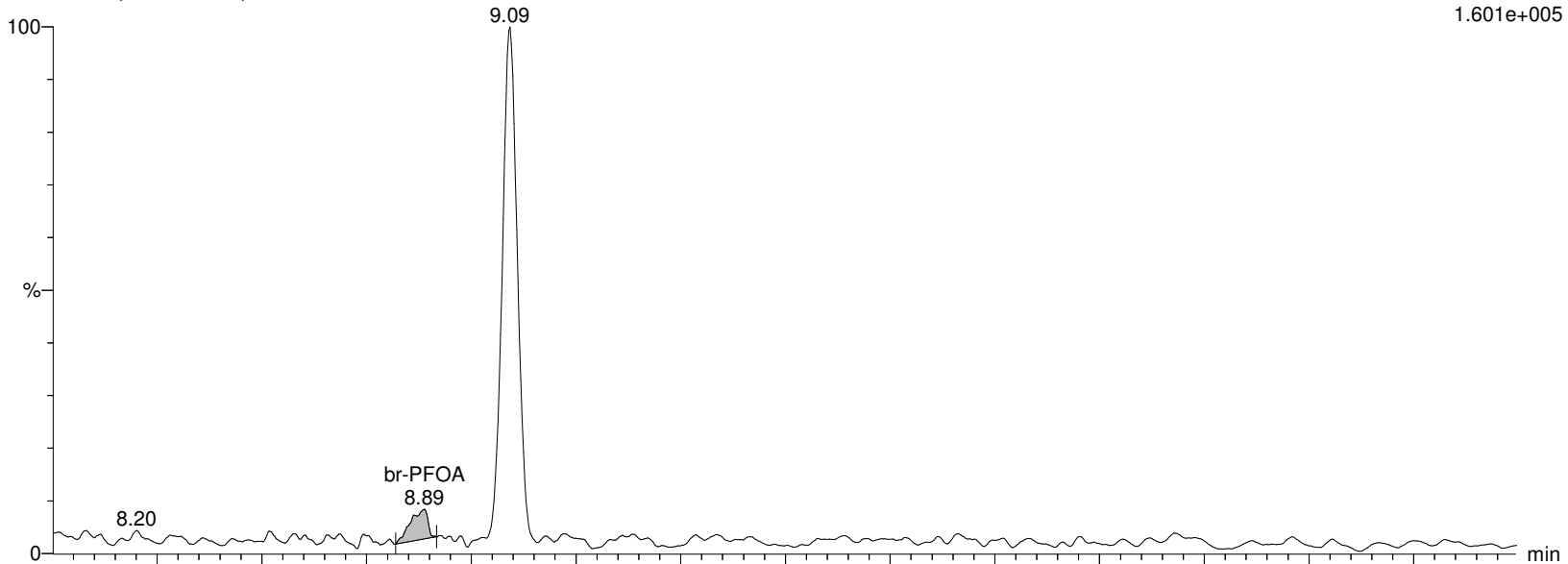
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.601e+005



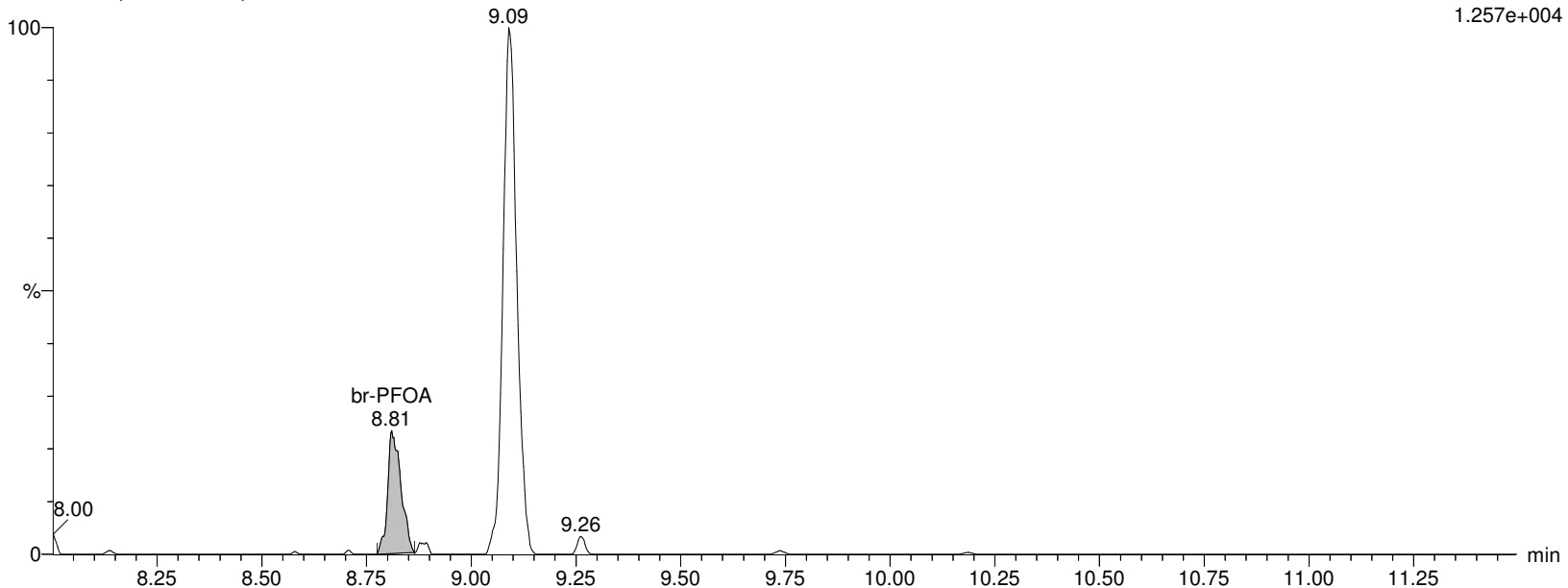
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.257e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

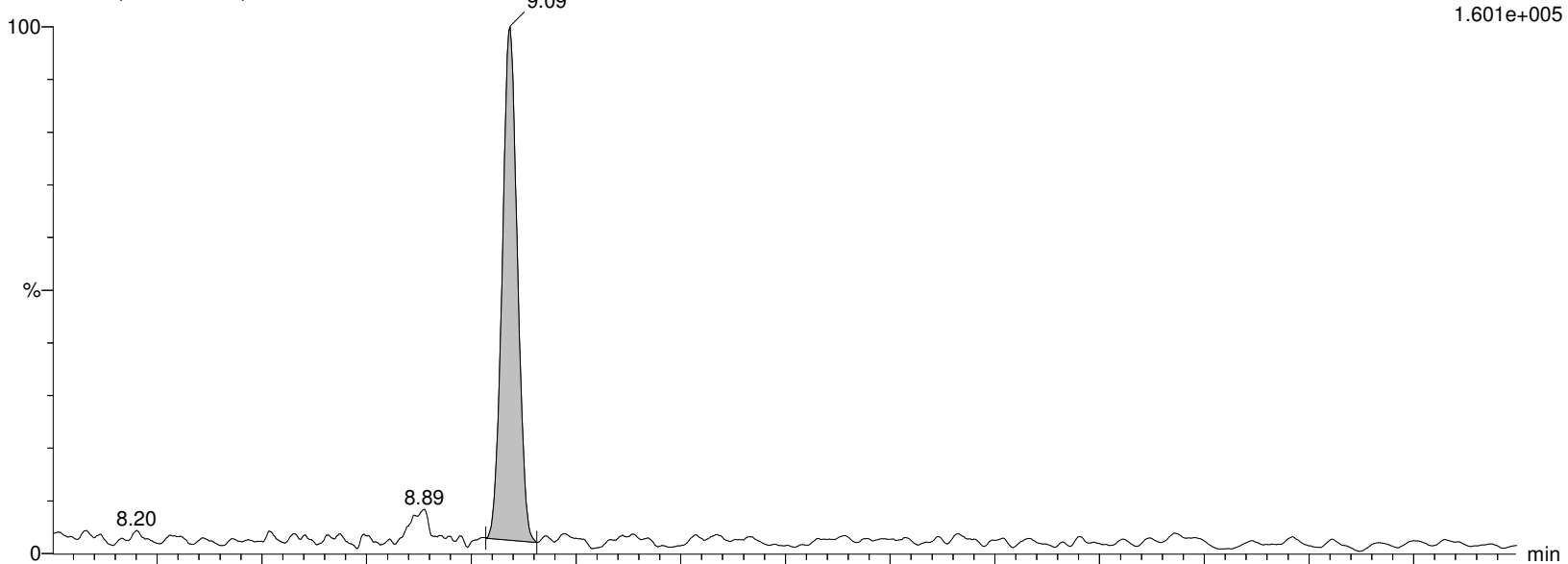
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.601e+005



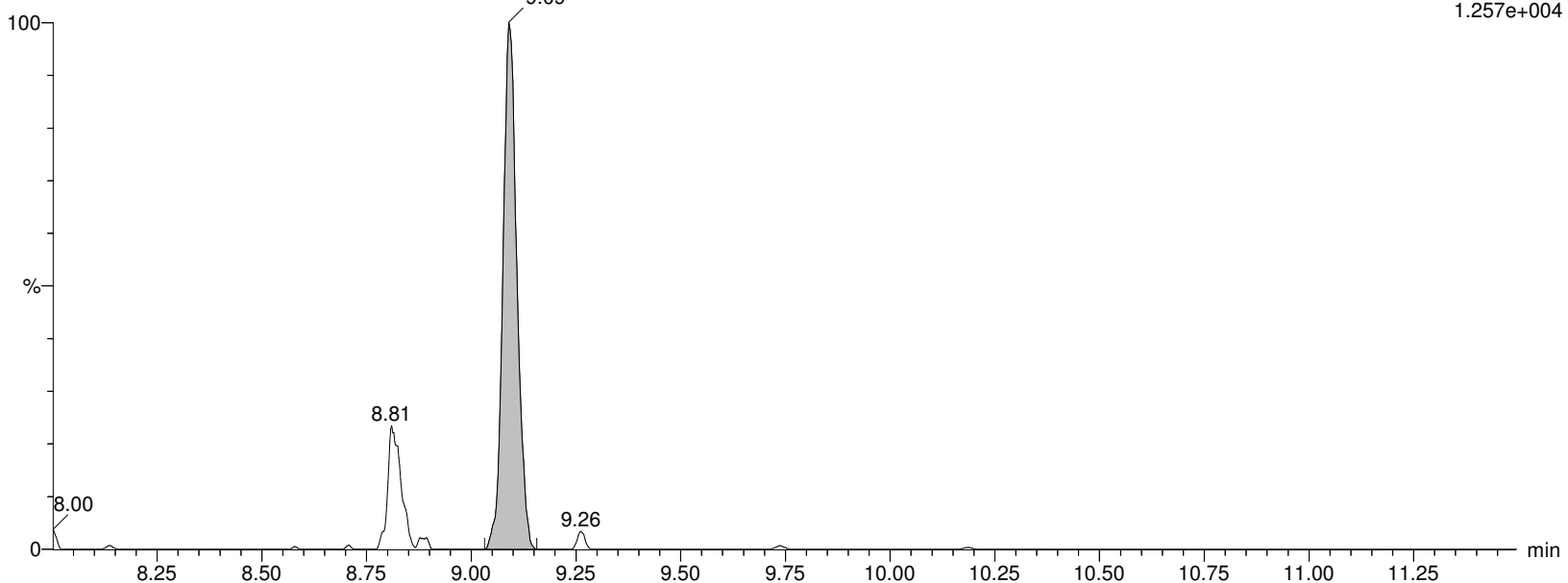
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.257e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

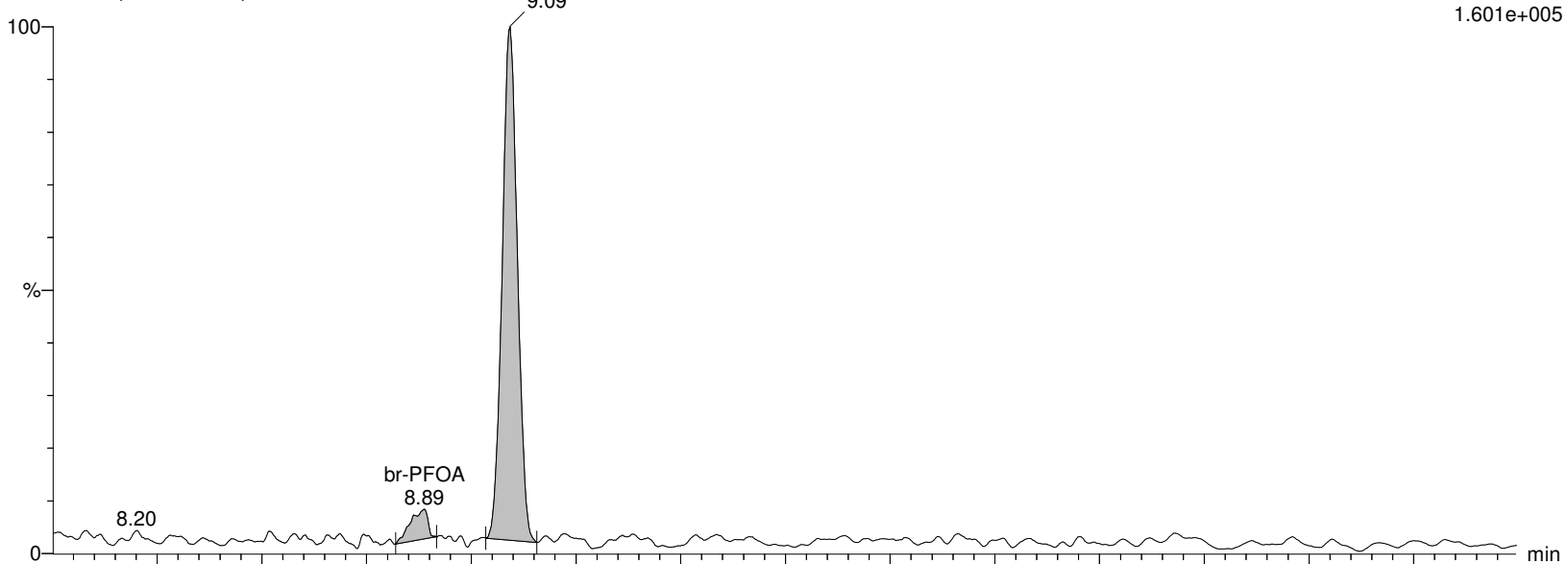
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.601e+005



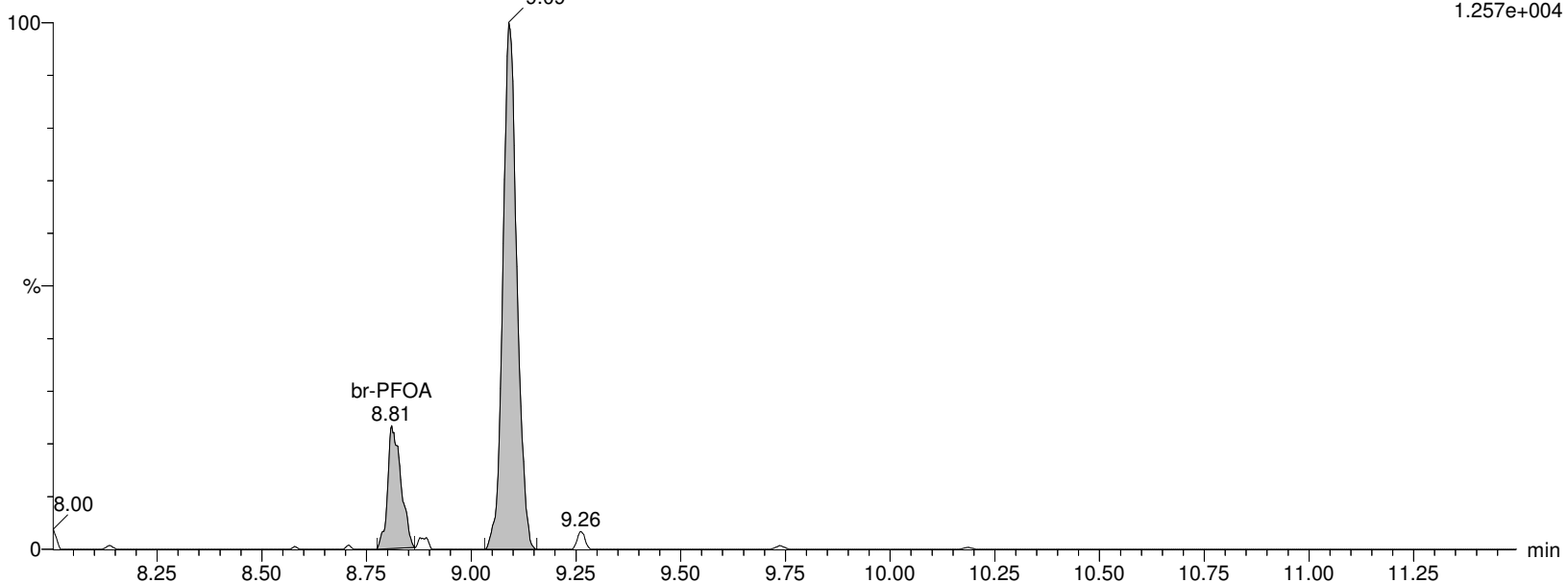
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.257e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I18702 Smooth(Mn,2x3)

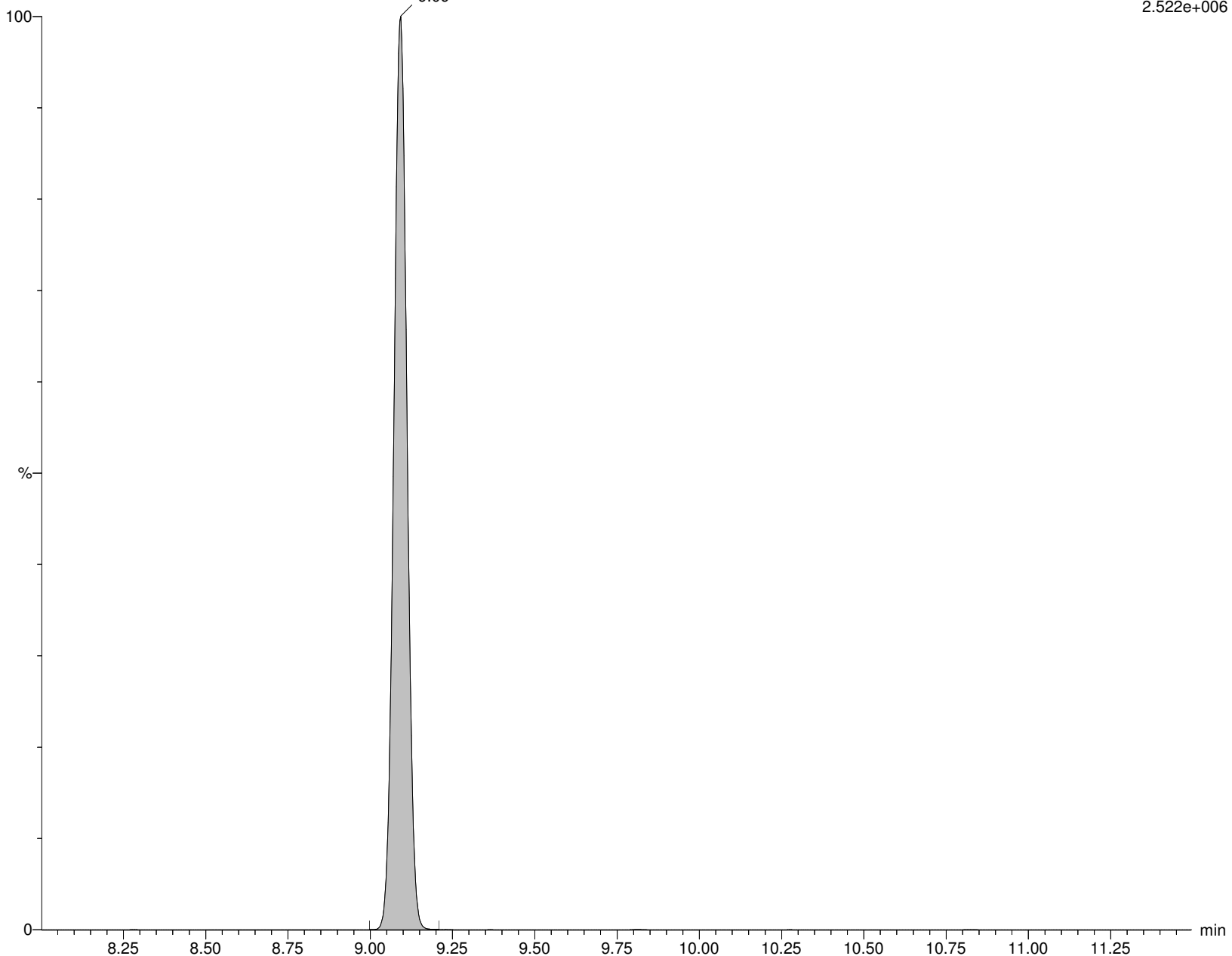
WG1337913, WG1334679, ICAL16305 L2002747-01

M8PFOA
9.09

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.522e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18702 Smooth(Mn,2x2)

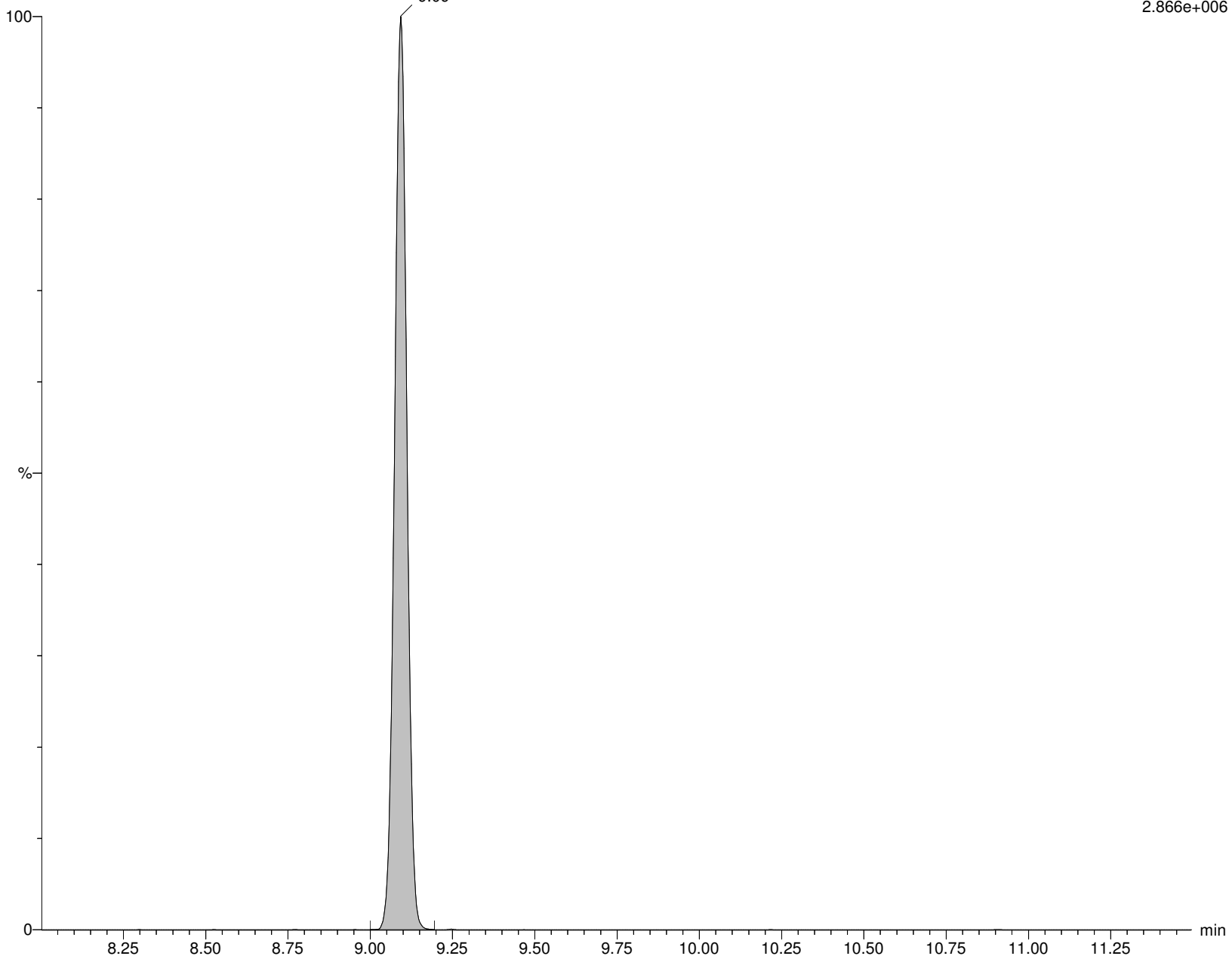
WG1337913, WG1334679, ICAL16305 L2002747-01

M2PFOA
9.09

F21:MRM of 1 channel, ES-

415.032 > 369.968

2.866e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F23:MRM of 3 channels, ES-

426.989 > 406.921

10.86 7.101e+002



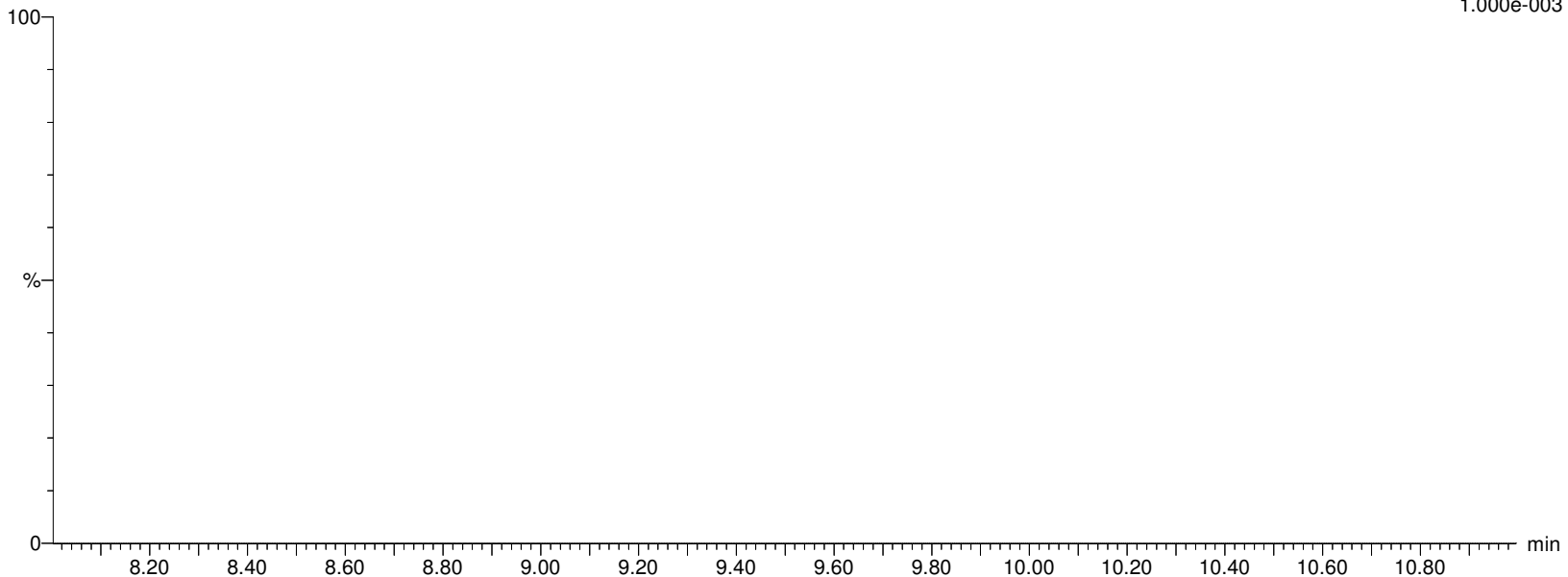
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F23:MRM of 3 channels, ES-

426.862 > 80.5

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I18702 Smooth(Mn,2x3)

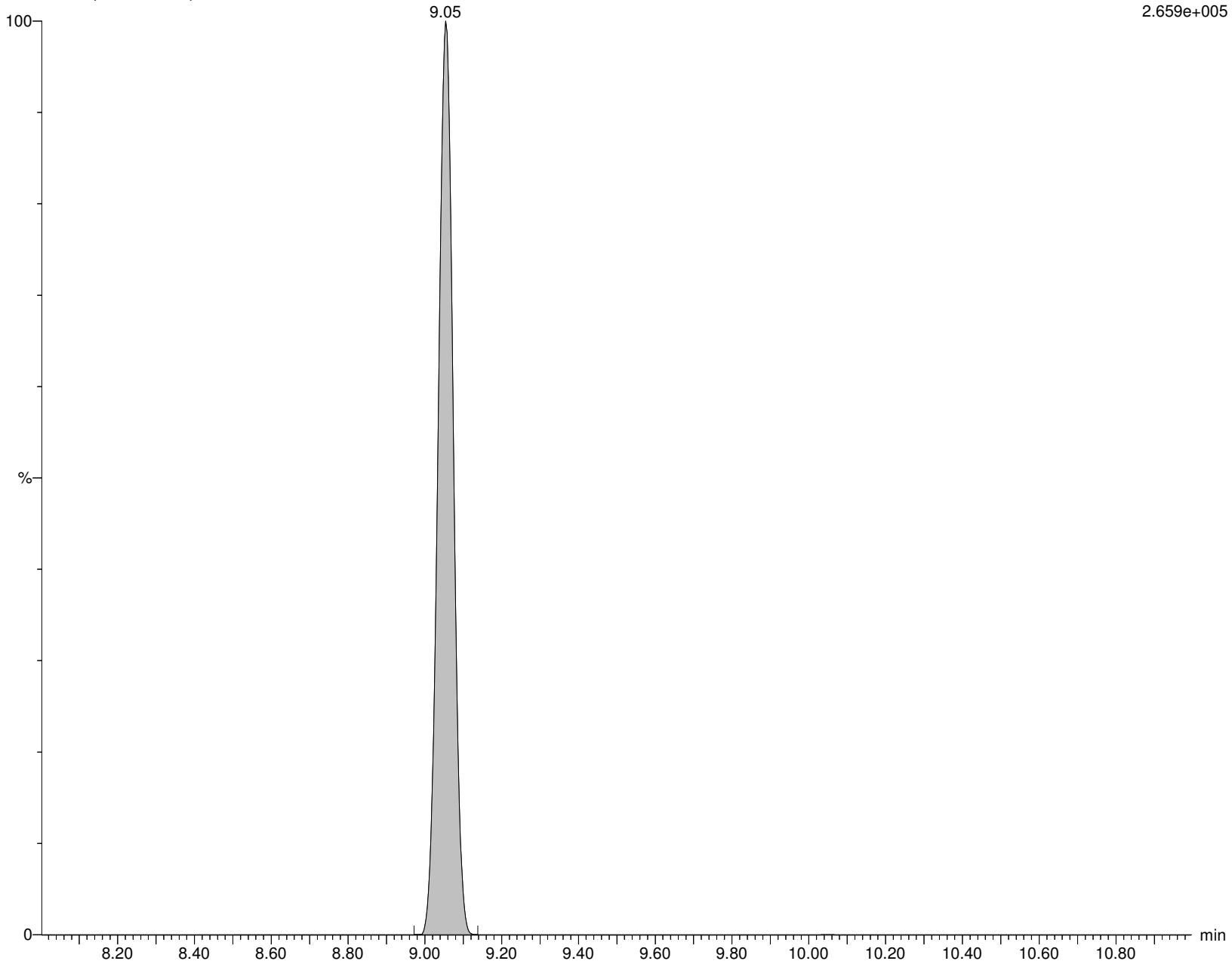
WG1337913,WG1334679,ICAL16305 L2002747-01

M2-6:2FTS

F24:MRM of 1 channel,ES-

428.989 > 408.917

2.659e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

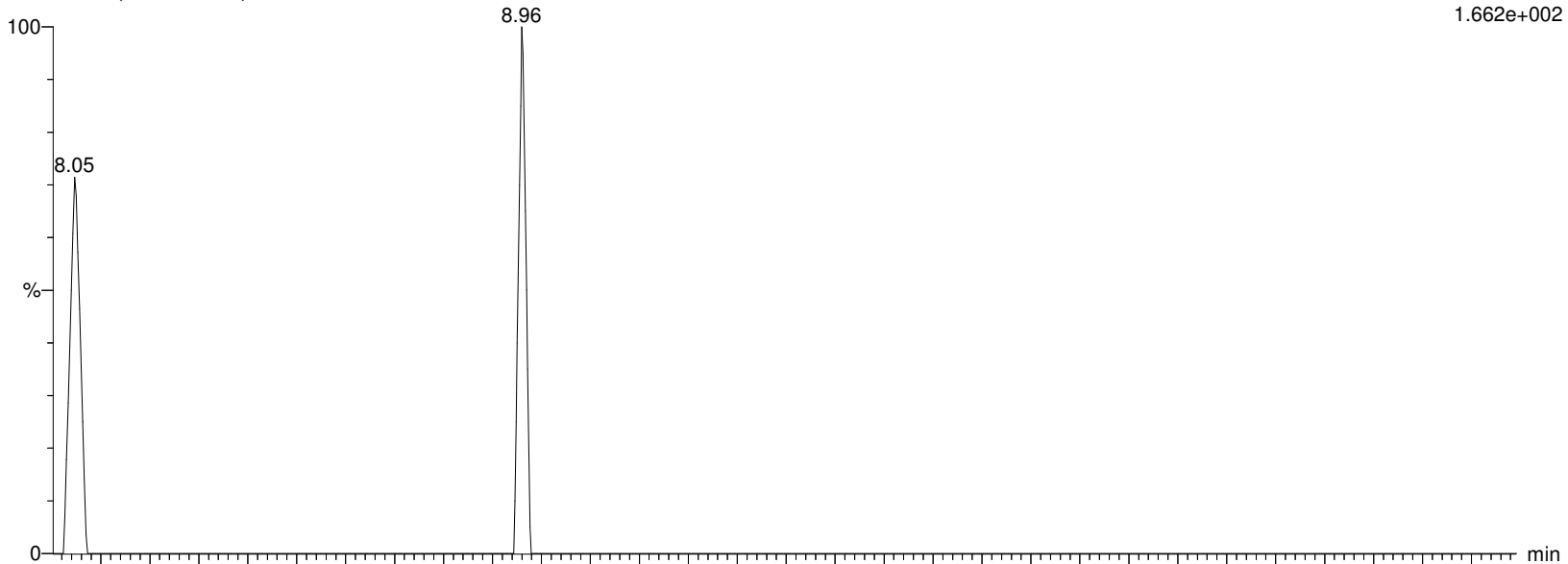
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.662e+002



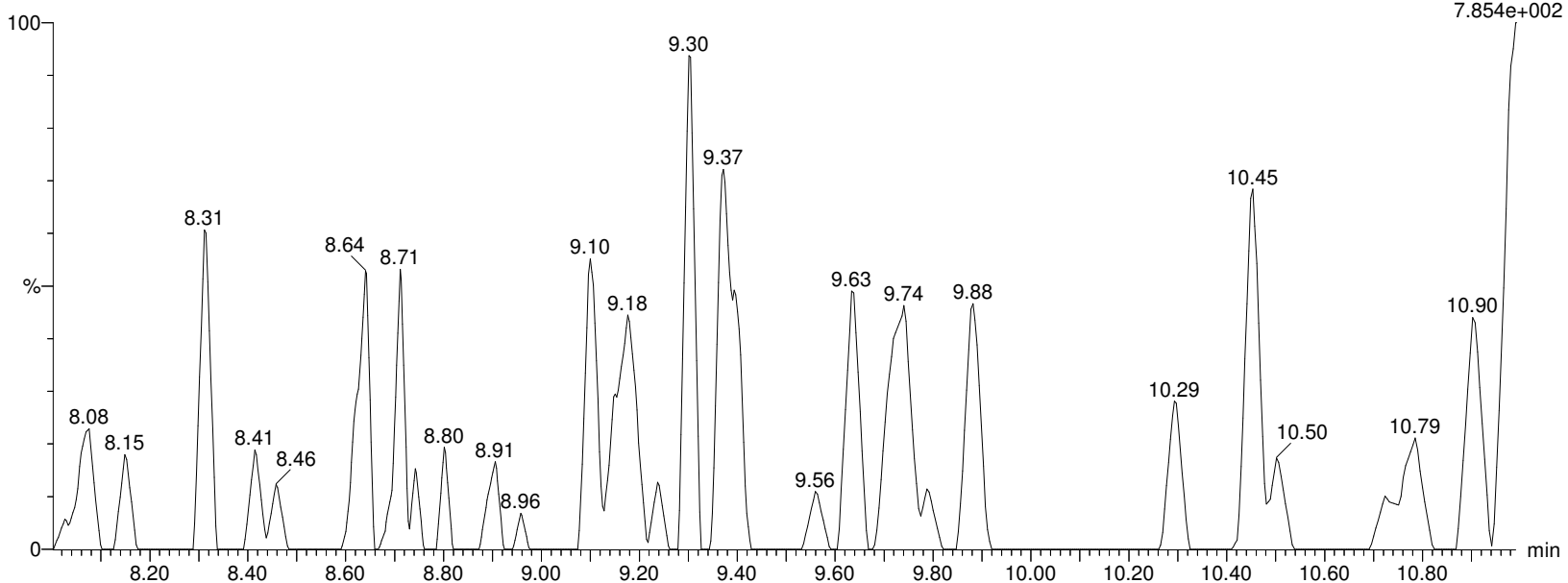
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F25:MRM of 2 channels, ES-

448.926 > 99.22

7.854e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

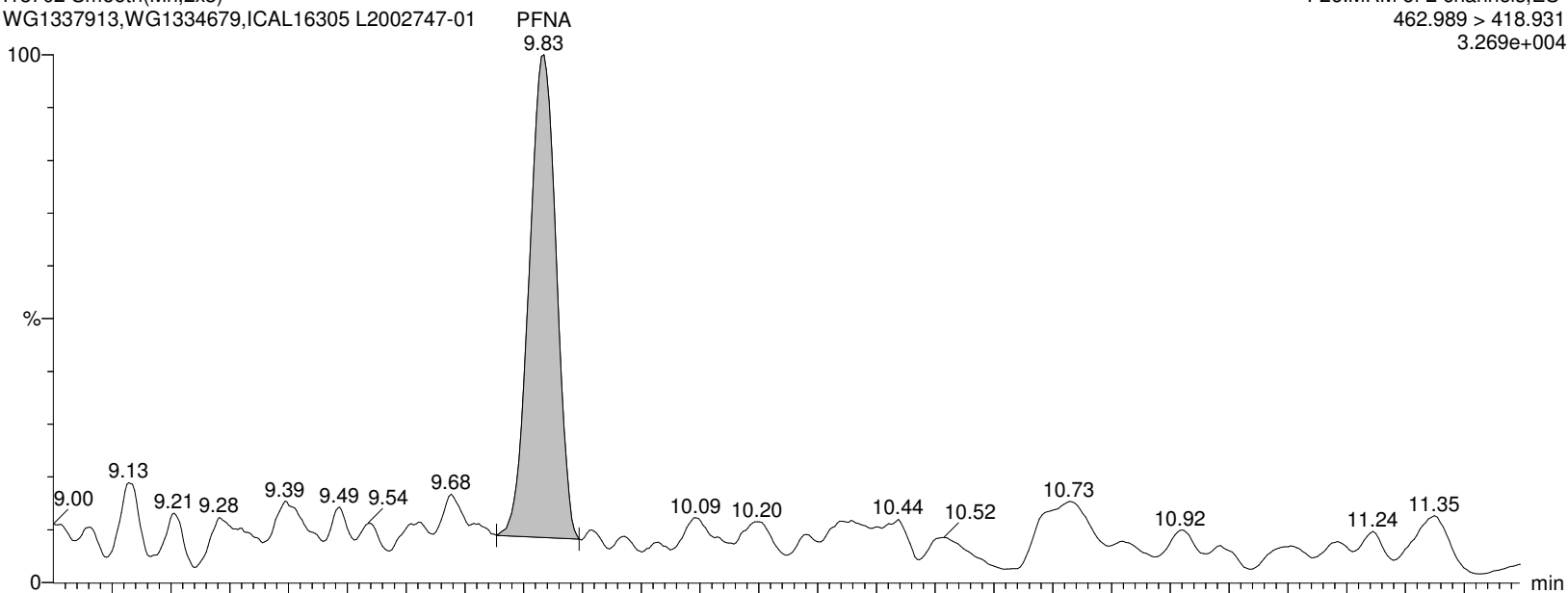
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F26:MRM of 2 channels, ES-

462.989 > 418.931

3.269e+004



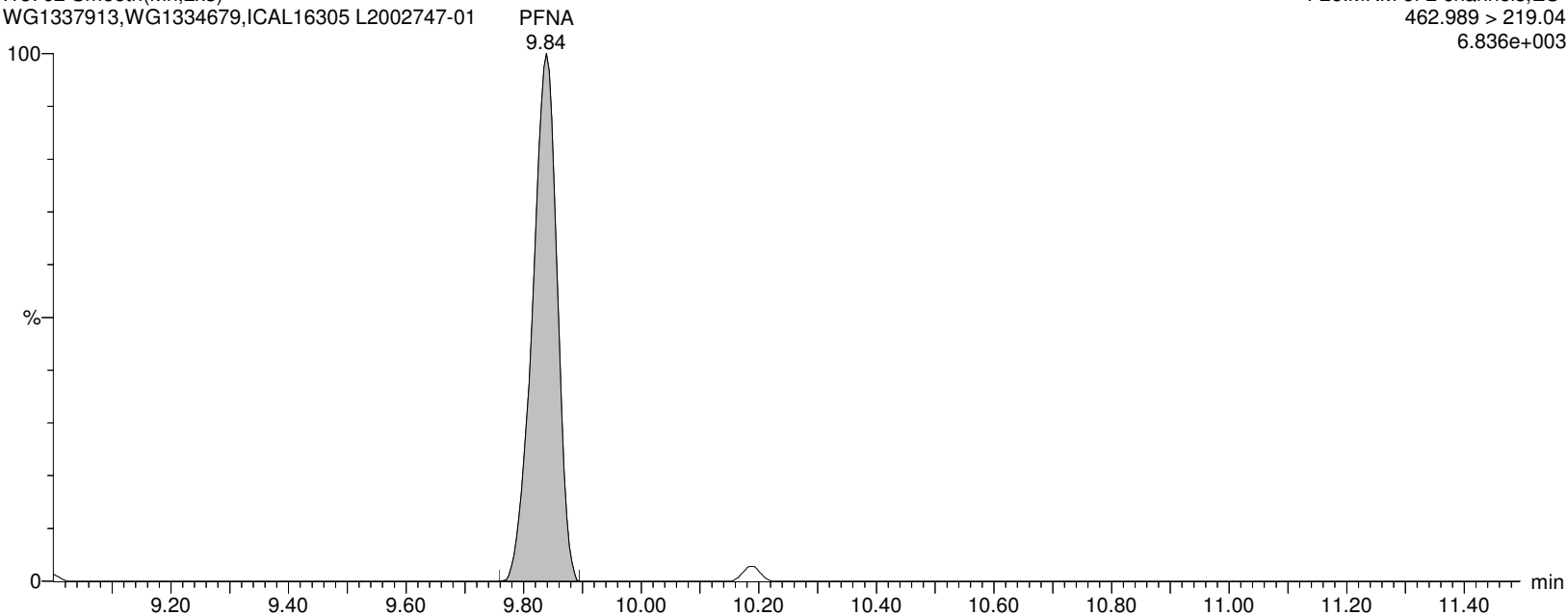
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F26:MRM of 2 channels, ES-

462.989 > 219.04

6.836e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

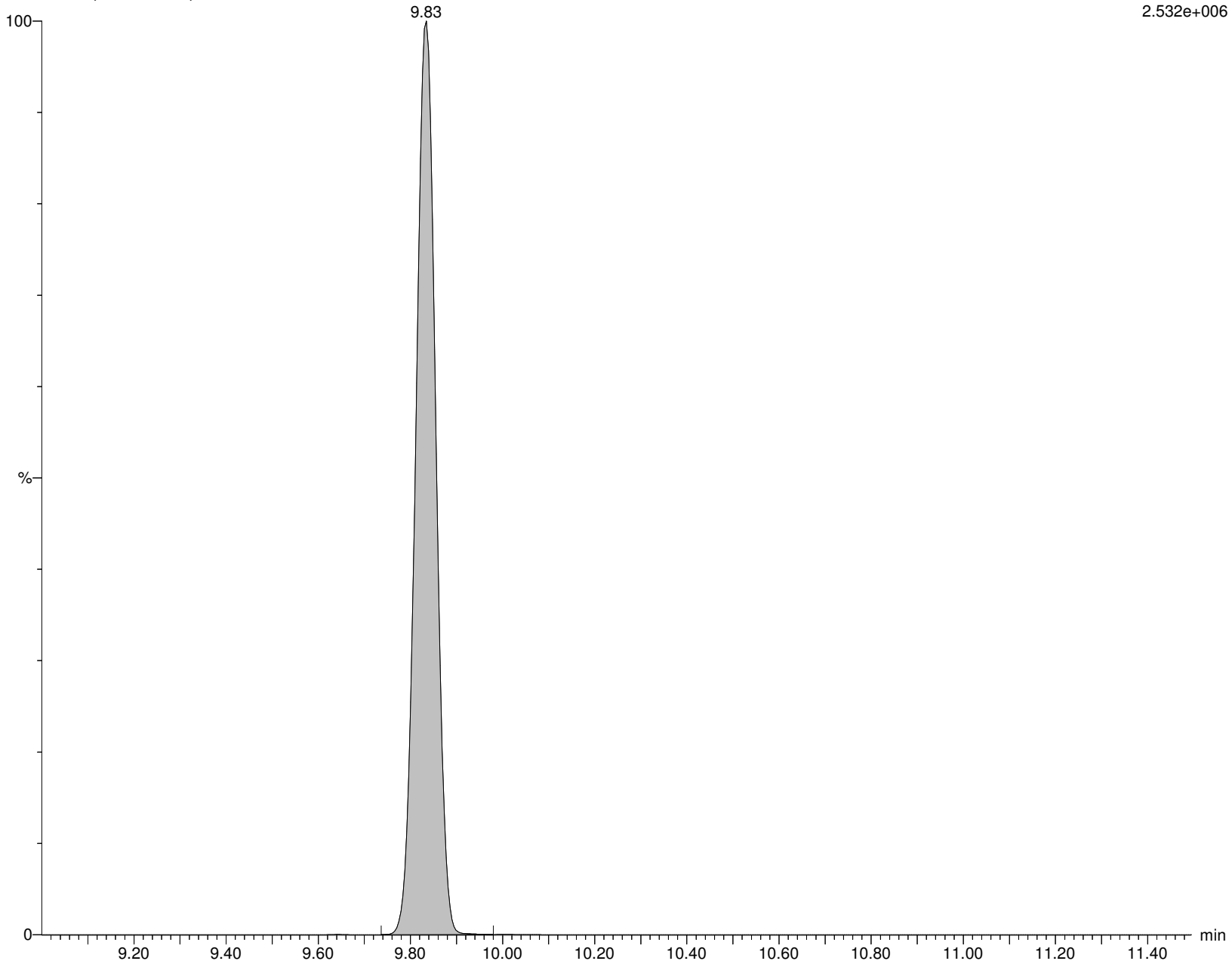
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01 M9PFNA

F27:MRM of 1 channel, ES-

472.053 > 426.947

2.532e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-PFOS**

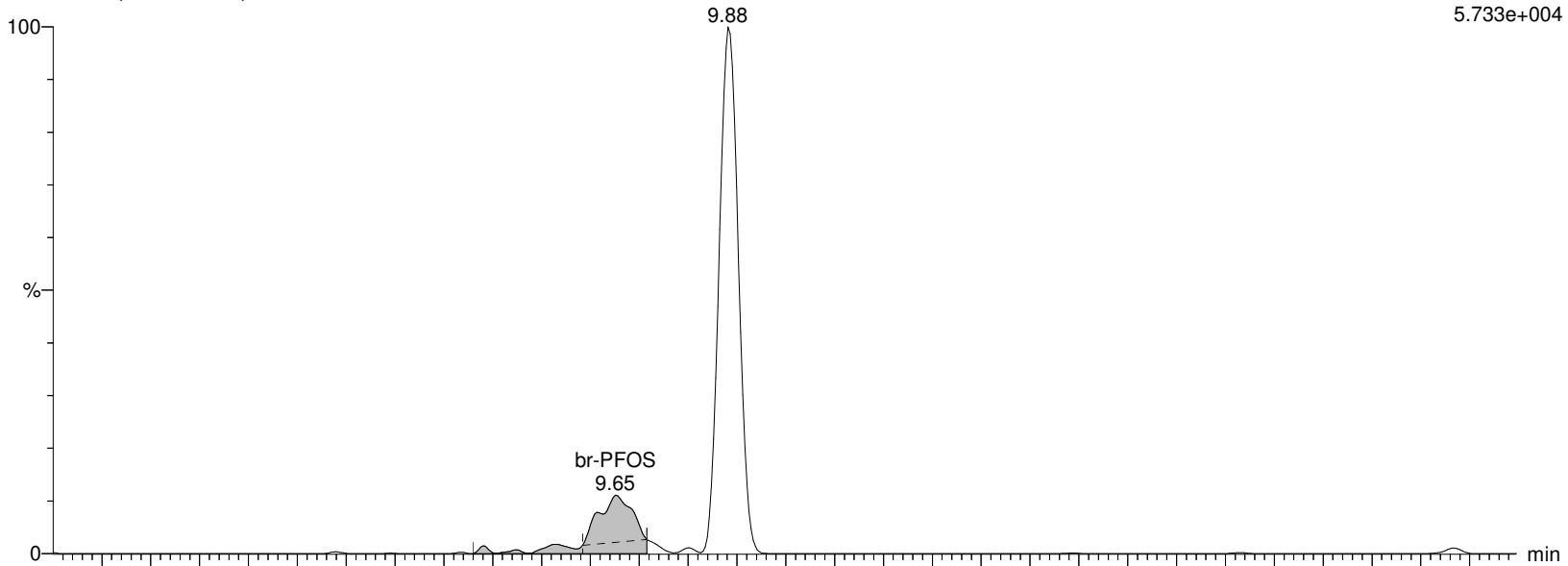
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.733e+004



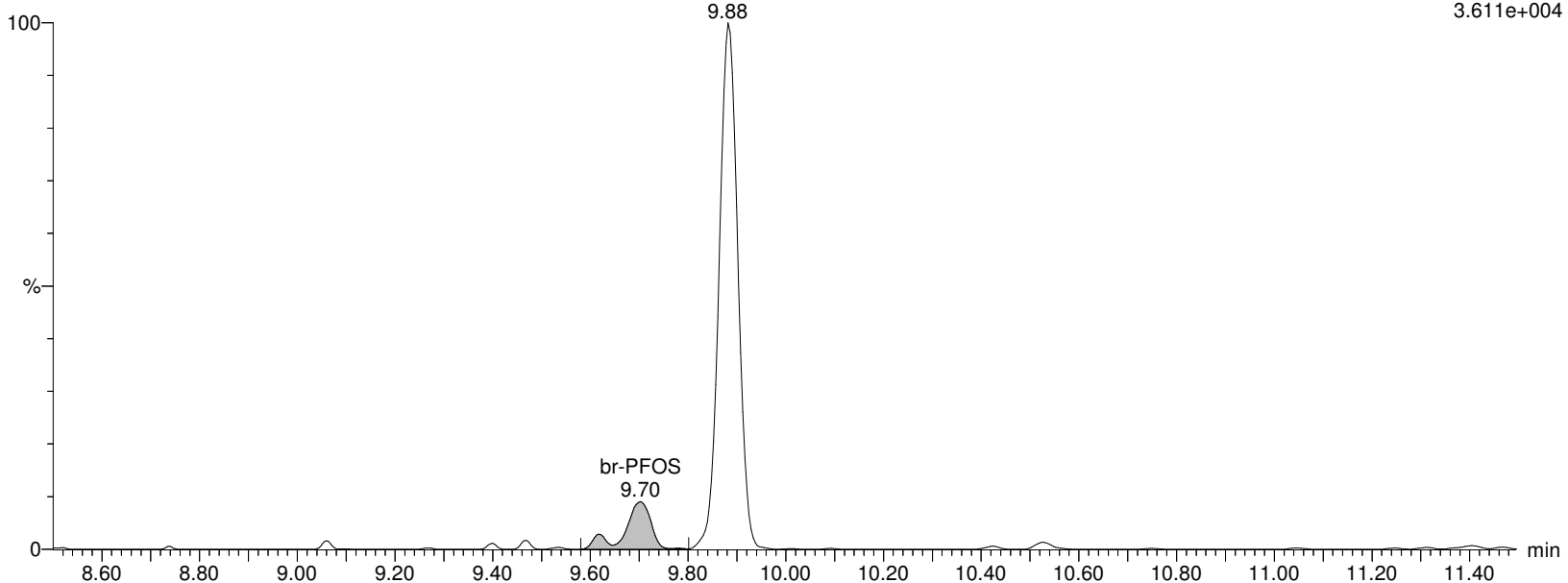
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.611e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

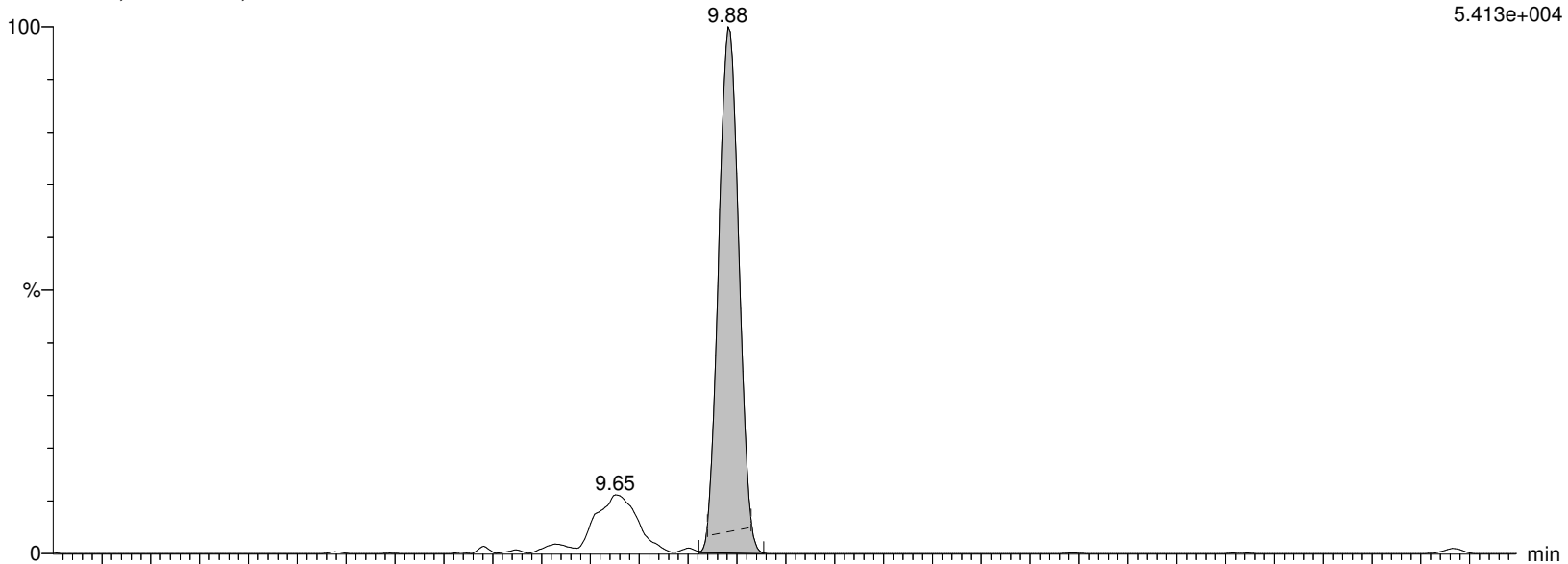
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.413e+004



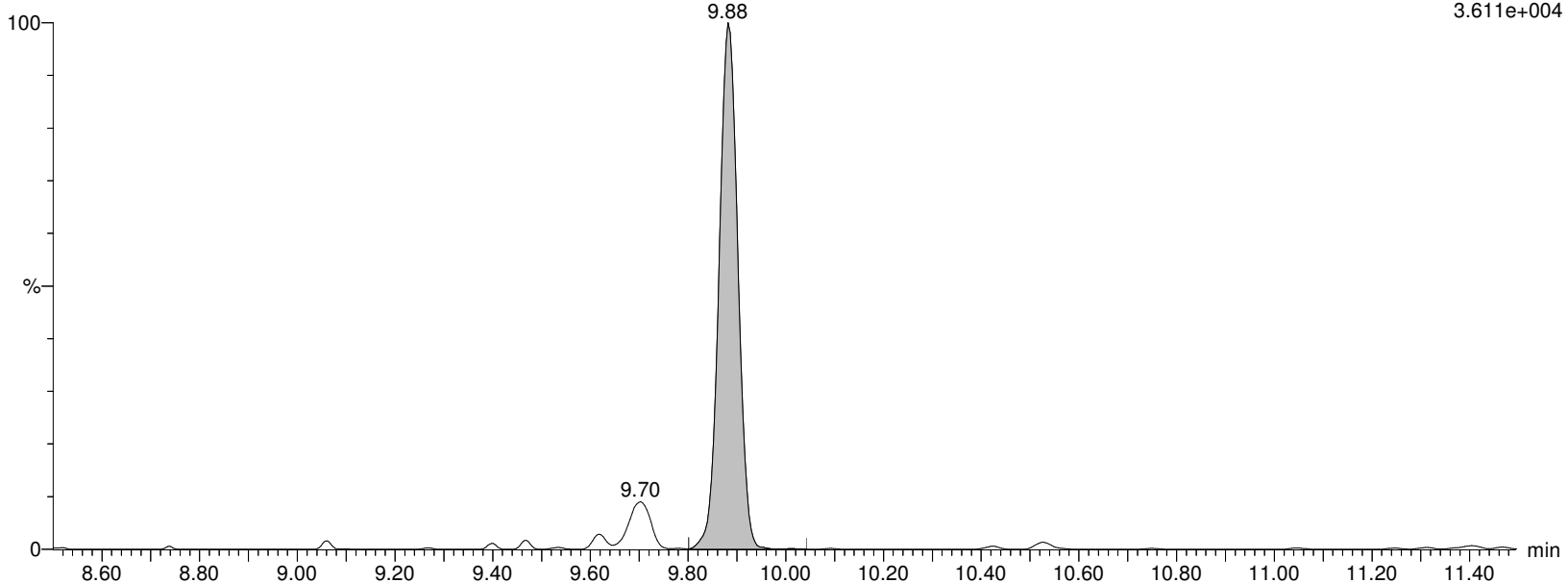
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.611e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

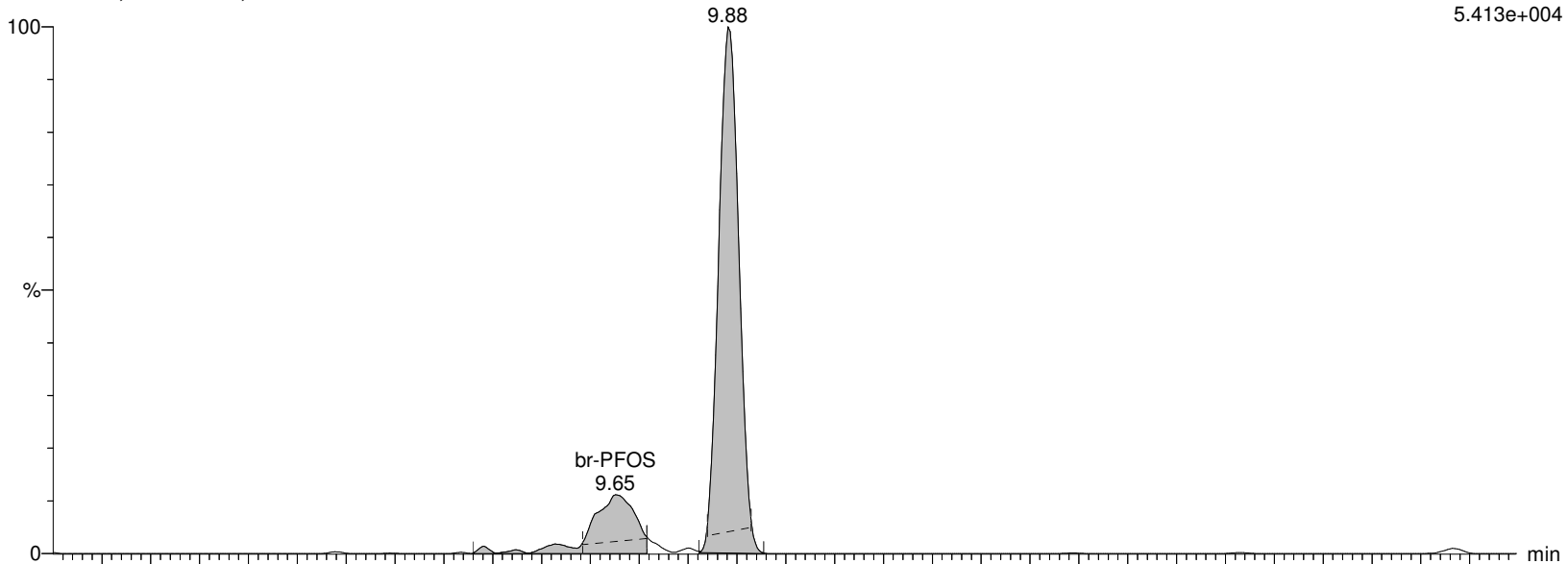
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.413e+004



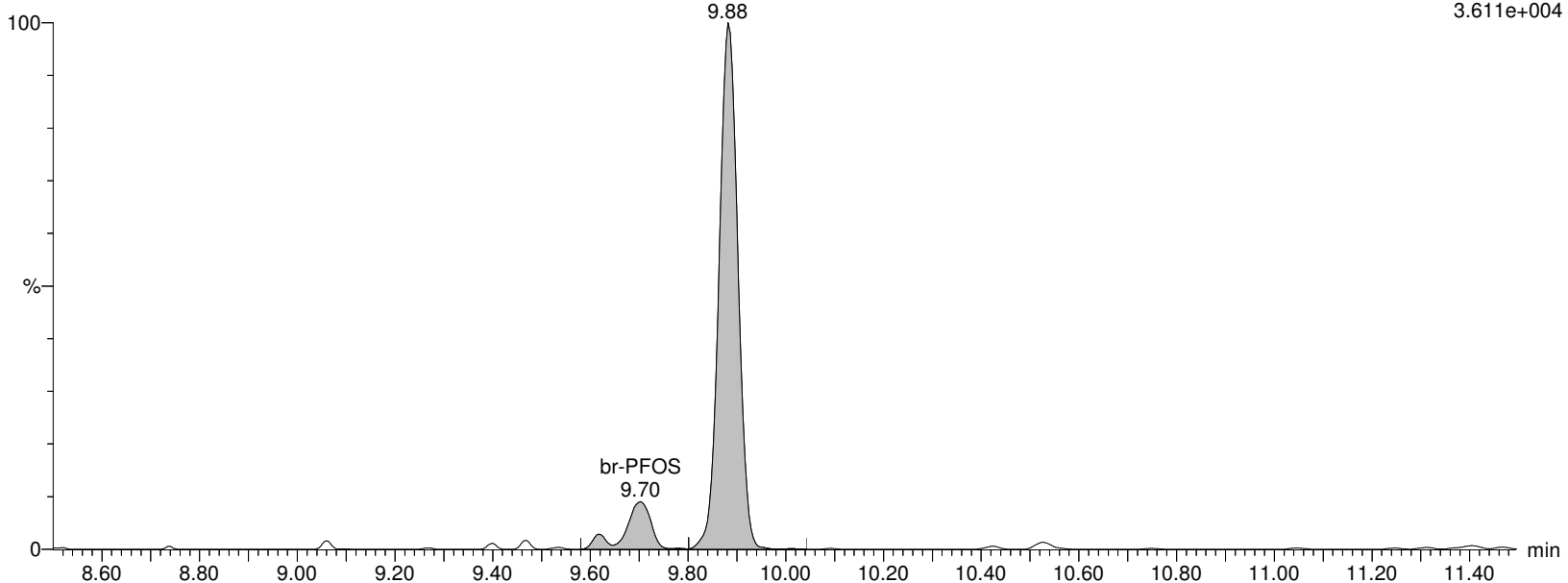
I18702 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.611e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

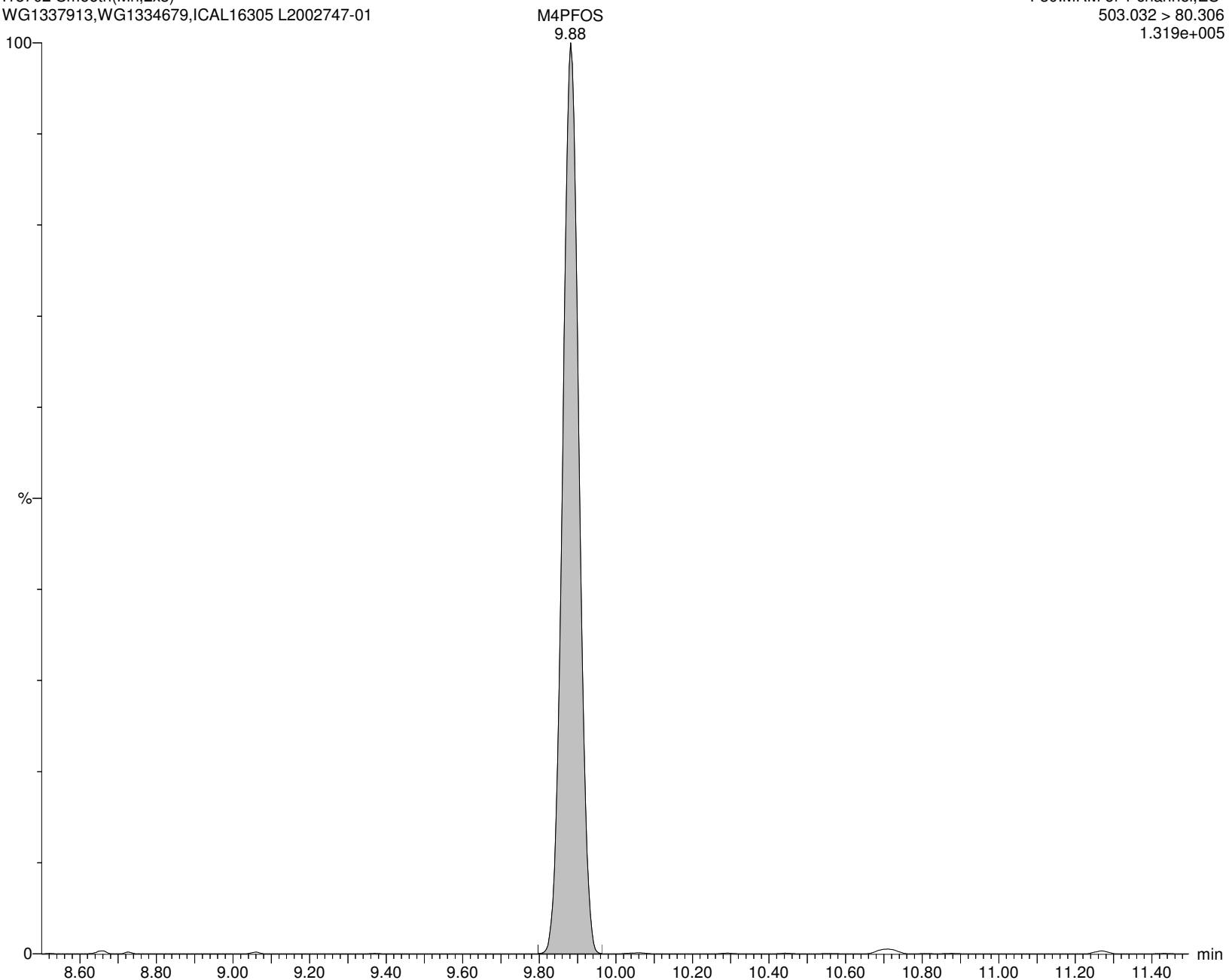
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.319e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

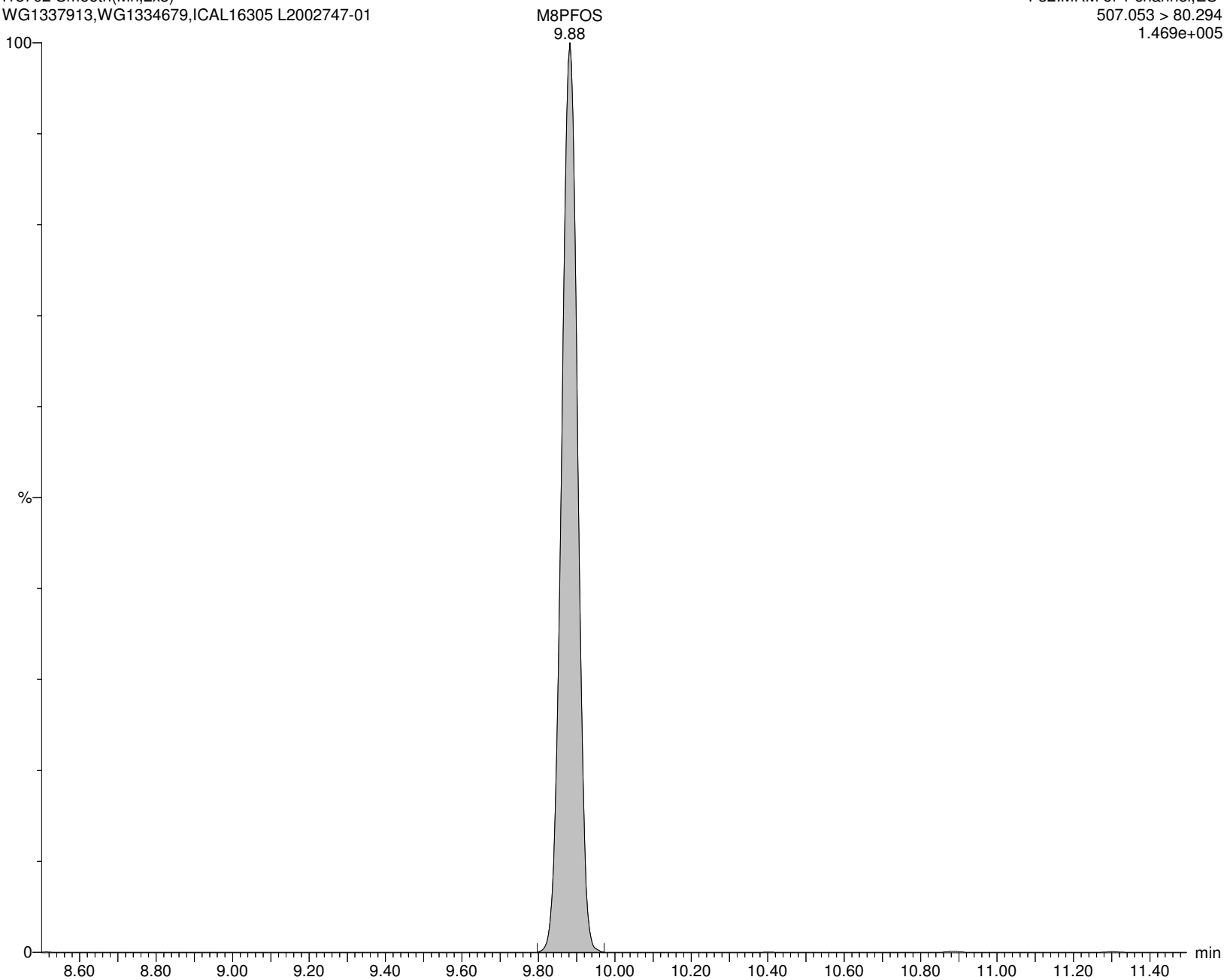
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.469e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

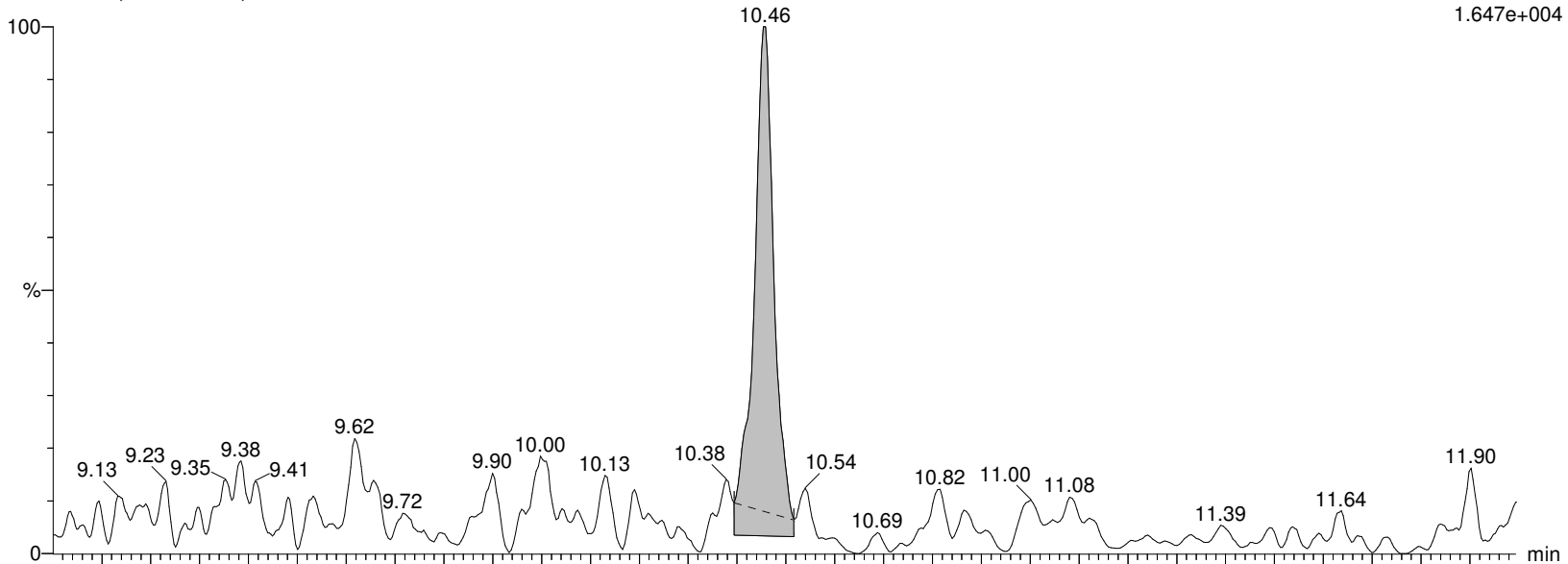
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F34:MRM of 2 channels, ES-

513.053 > 468.906

1.647e+004



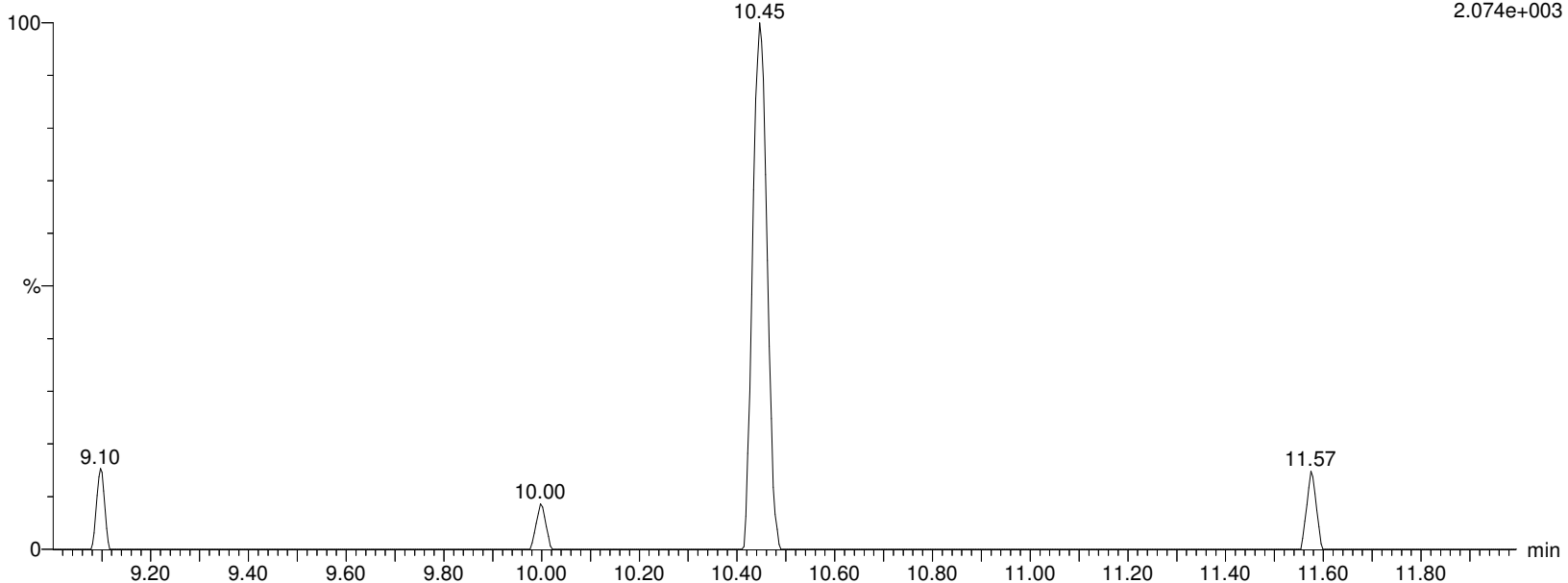
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F34:MRM of 2 channels, ES-

513.053 > 219.08

2.074e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913,WG1334679,ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

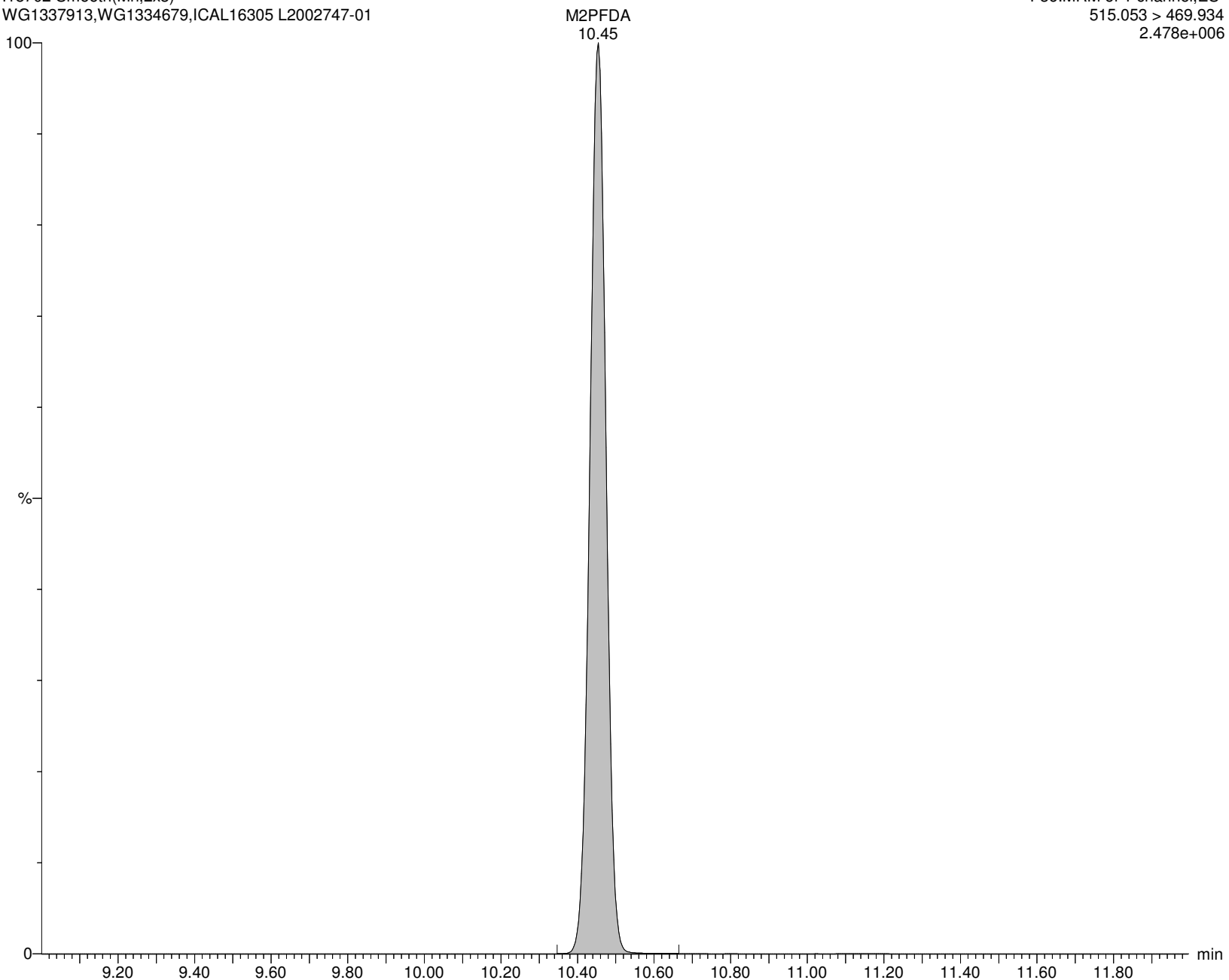
I18702 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 L2002747-01

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.478e+006



Alpha Analytical Inc.

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Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

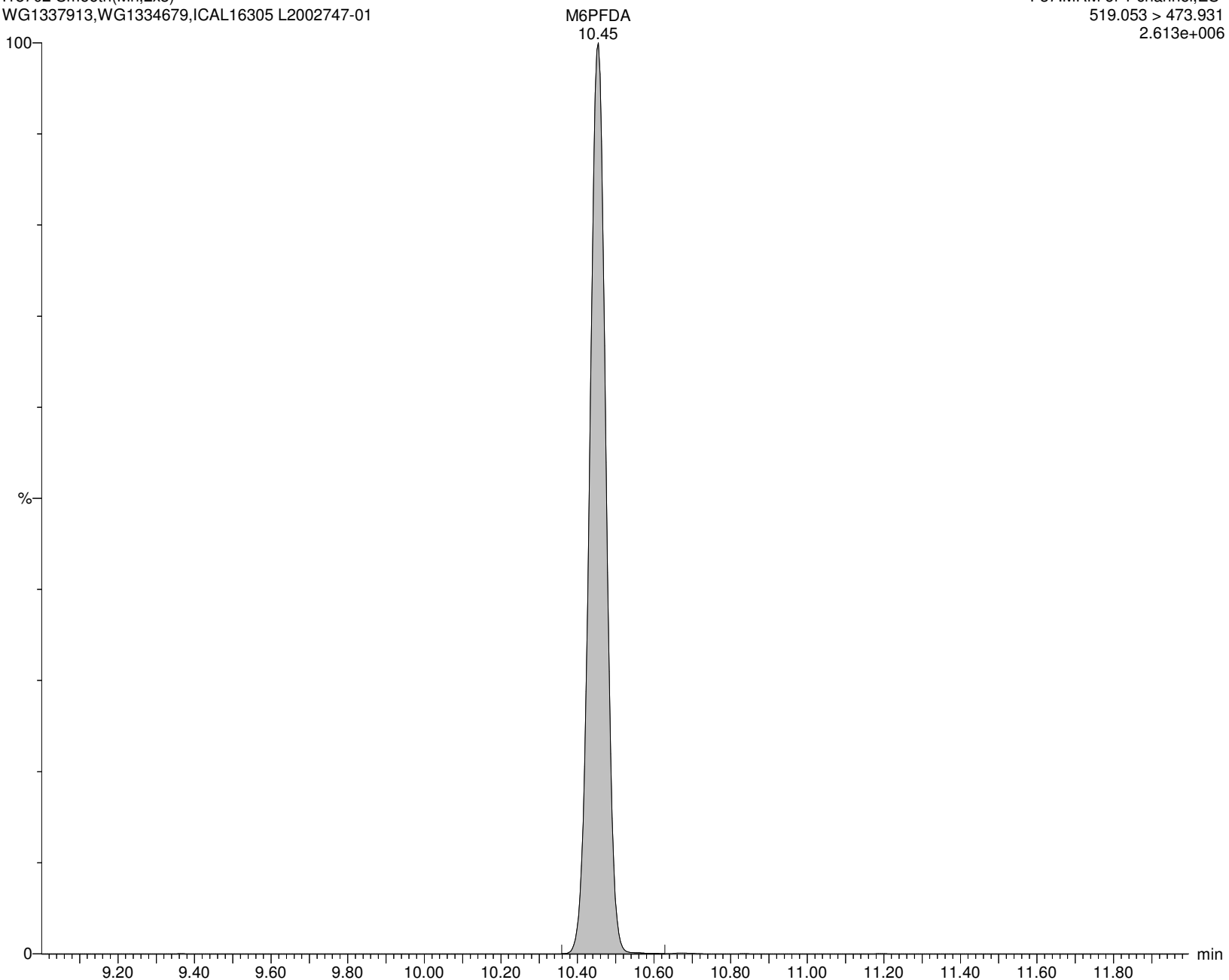
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.613e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

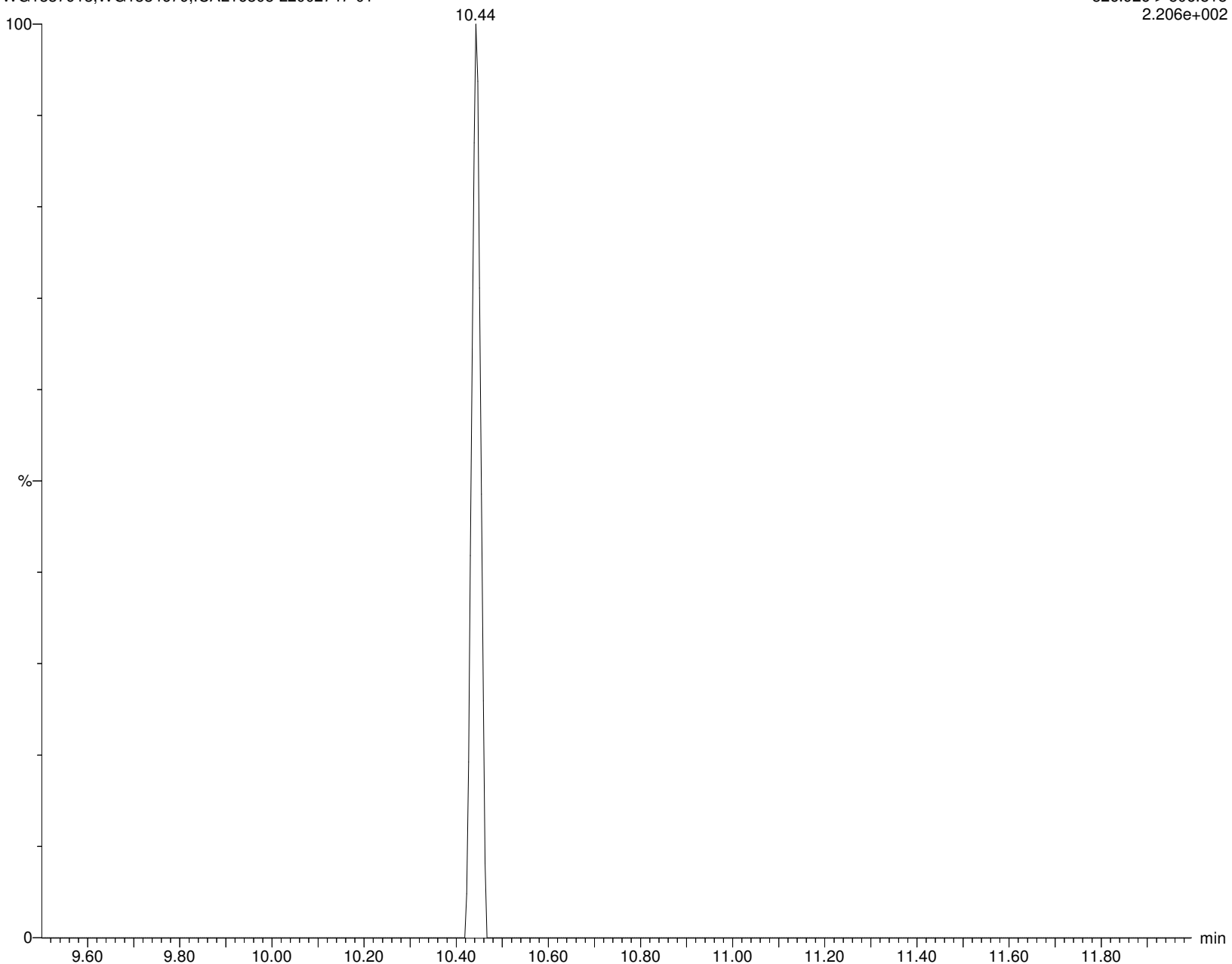
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F39:MRM of 2 channels, ES-

526.926 > 506.818

2.206e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

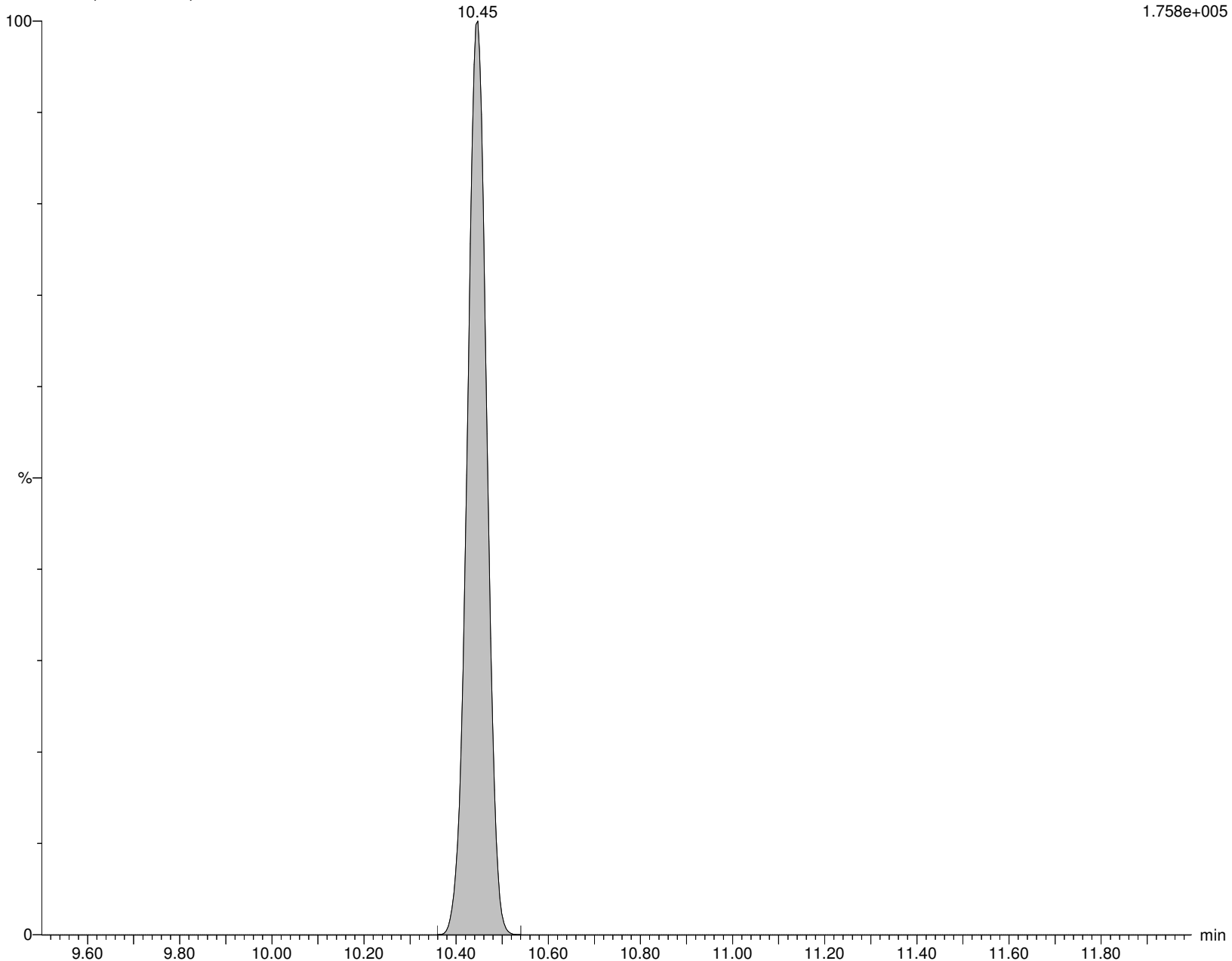
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F40:MRM of 2 channels, ES-

529.053 > 508.945

1.758e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F43:MRM of 2 channels, ES-

548.989 > 80.249

6.563e+001



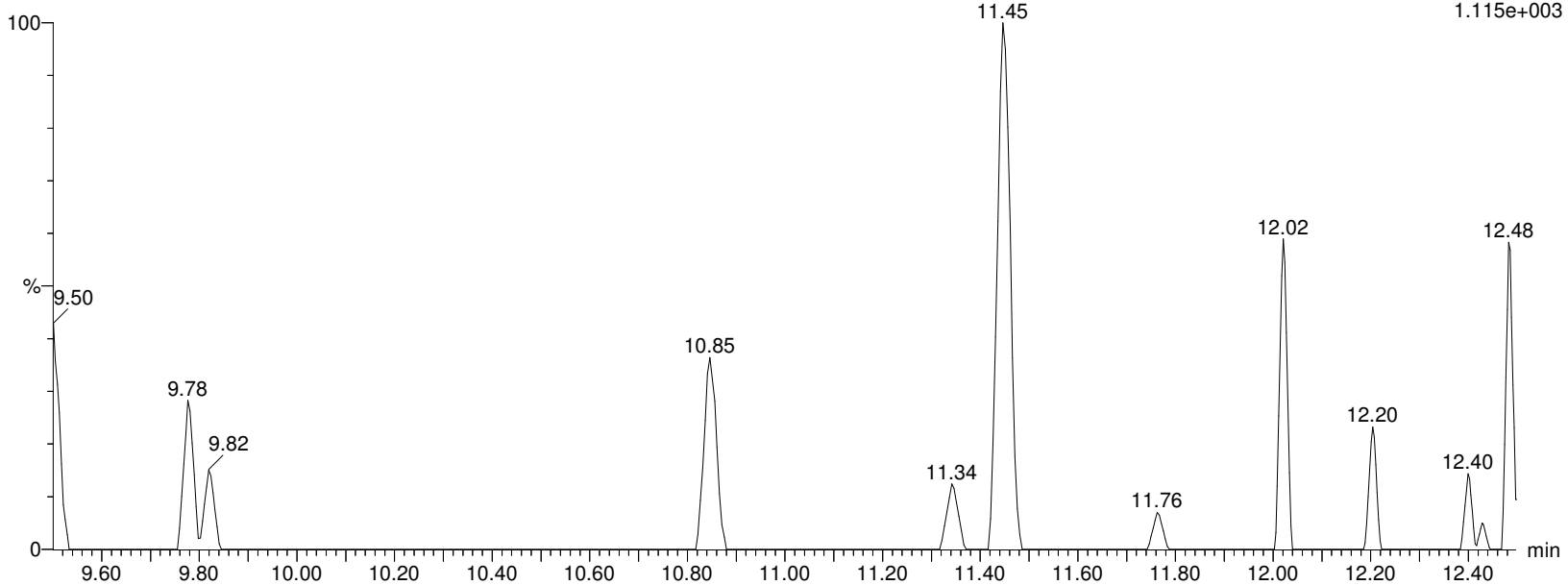
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F43:MRM of 2 channels, ES-

548.989 > 99.22

1.115e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

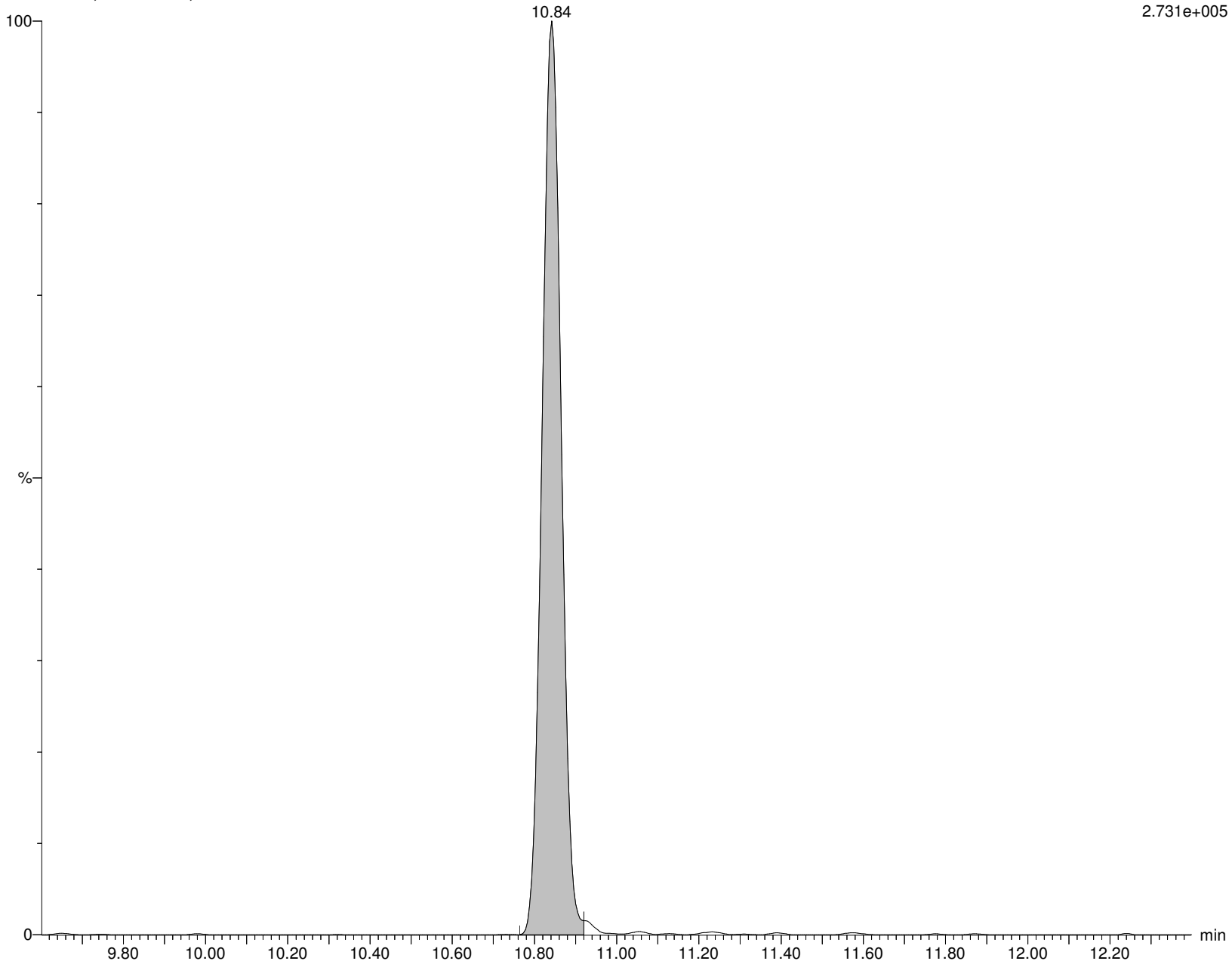
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F47:MRM of 1 channel, ES-

573.096 > 418.987

2.731e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-NMeFOSAA**

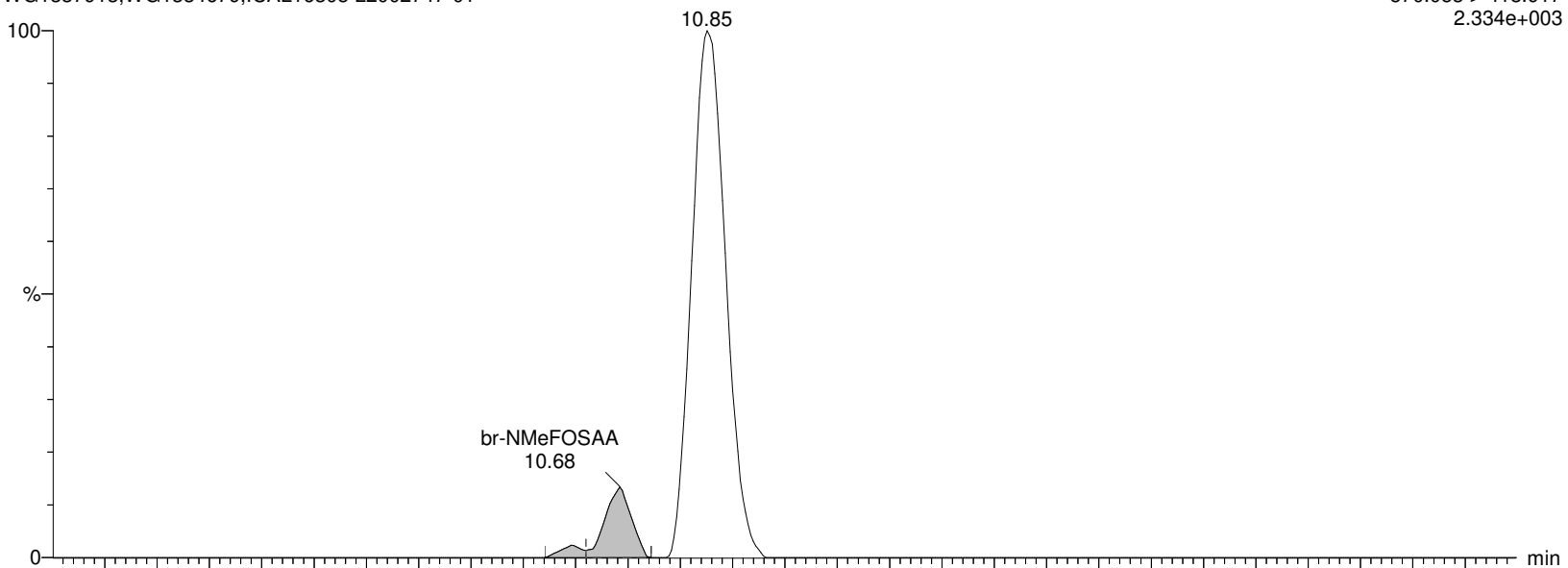
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.334e+003



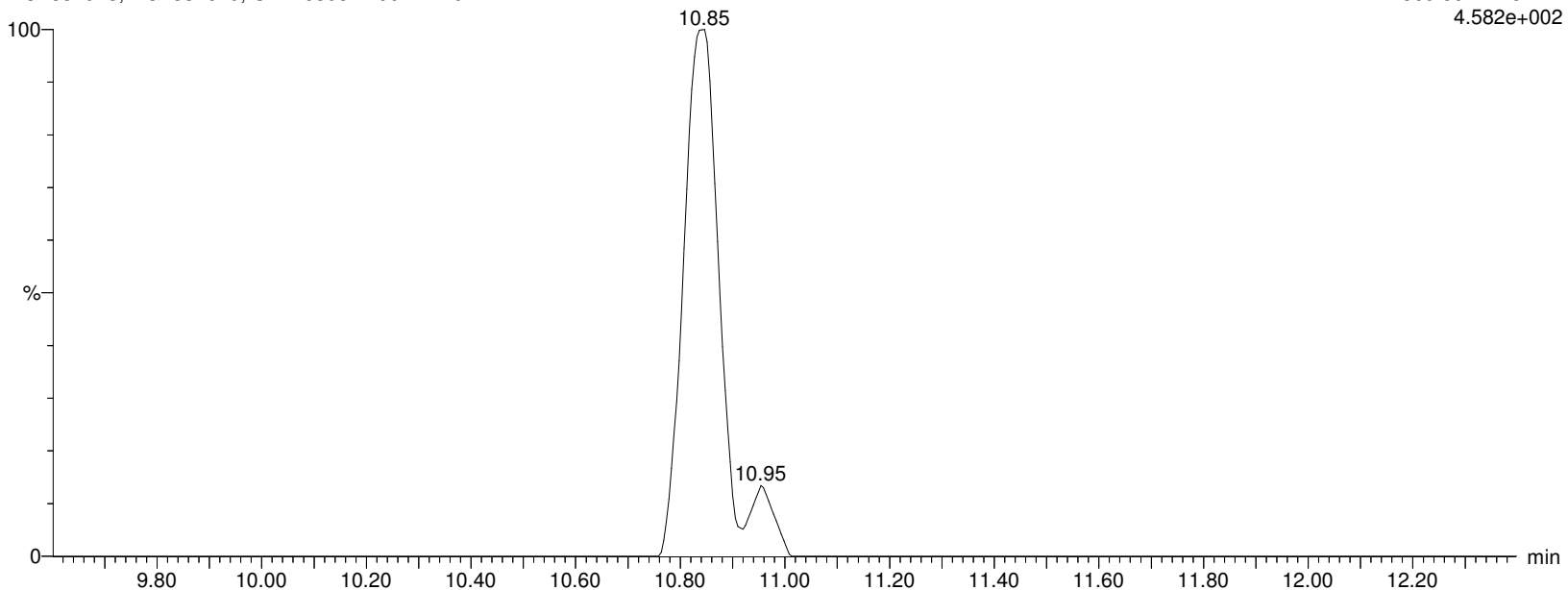
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

569.862 > 482.77

4.582e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

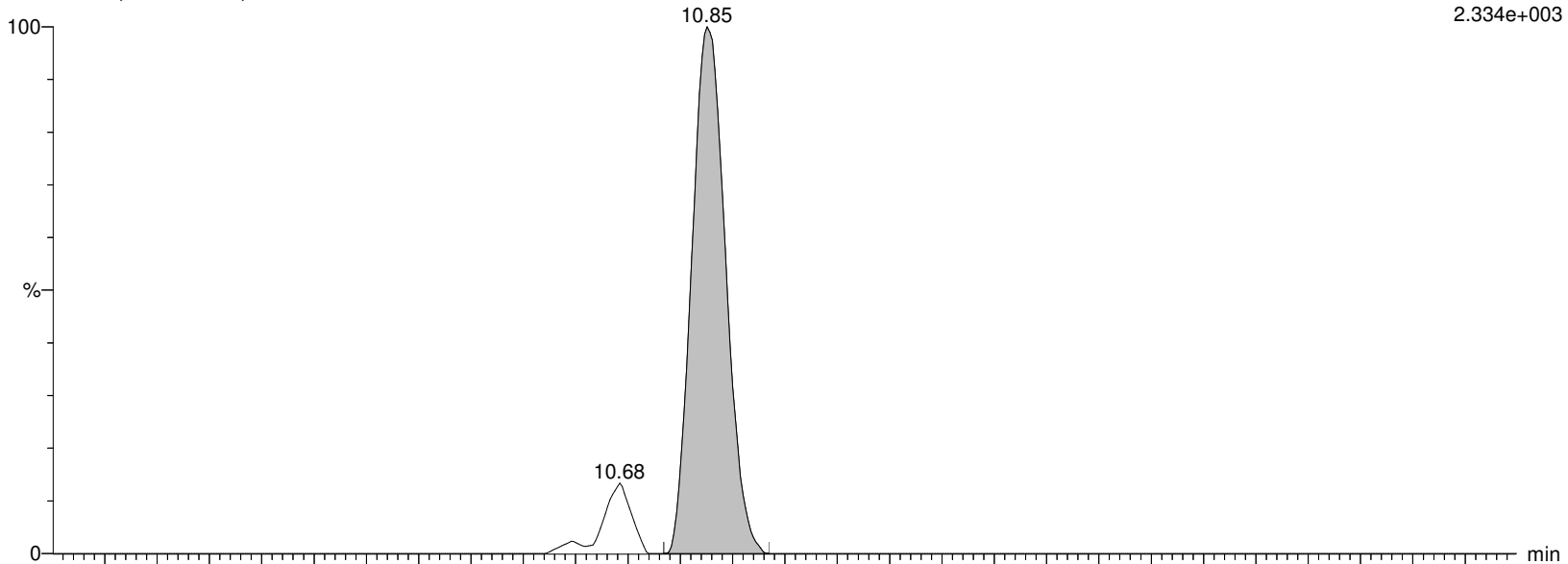
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.334e+003



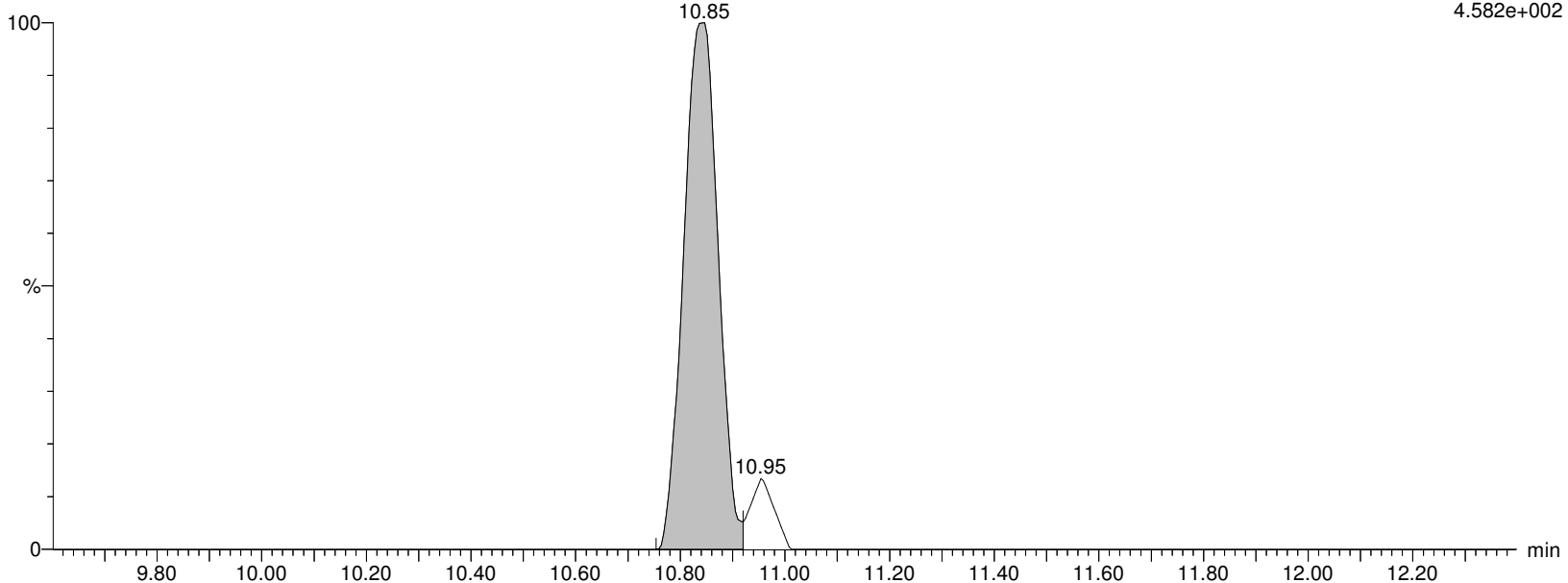
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

569.862 > 482.77

4.582e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

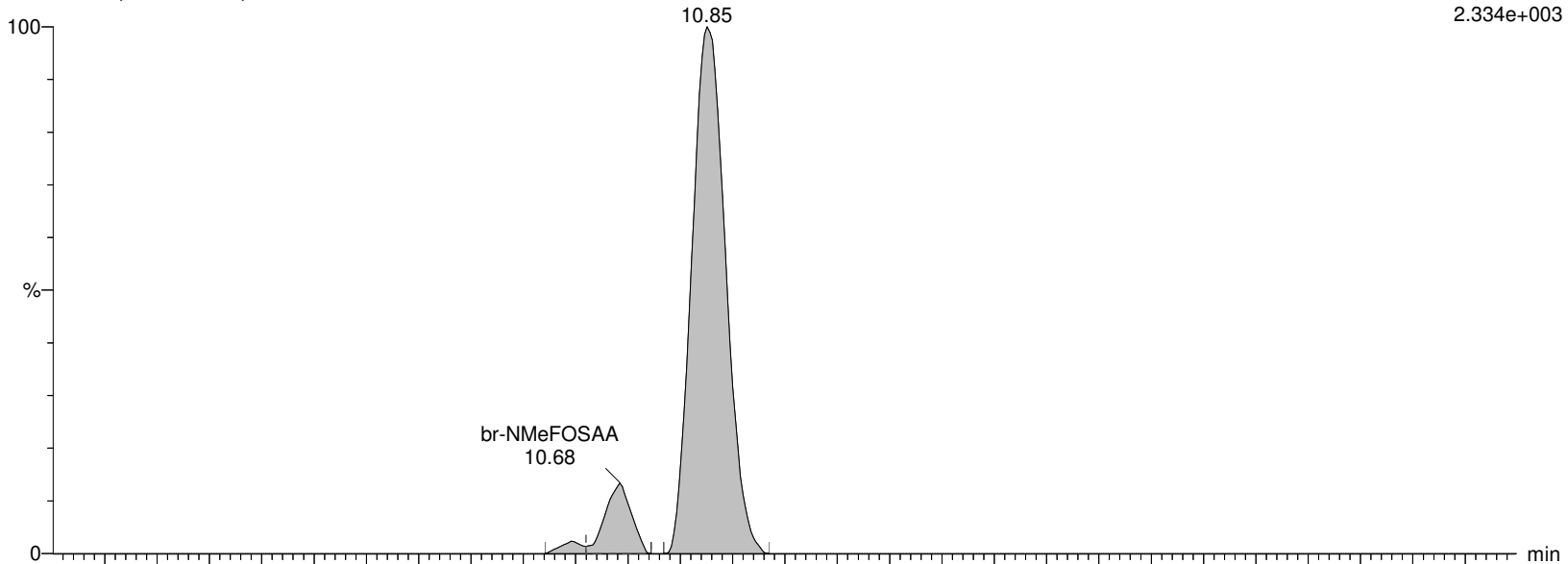
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.334e+003



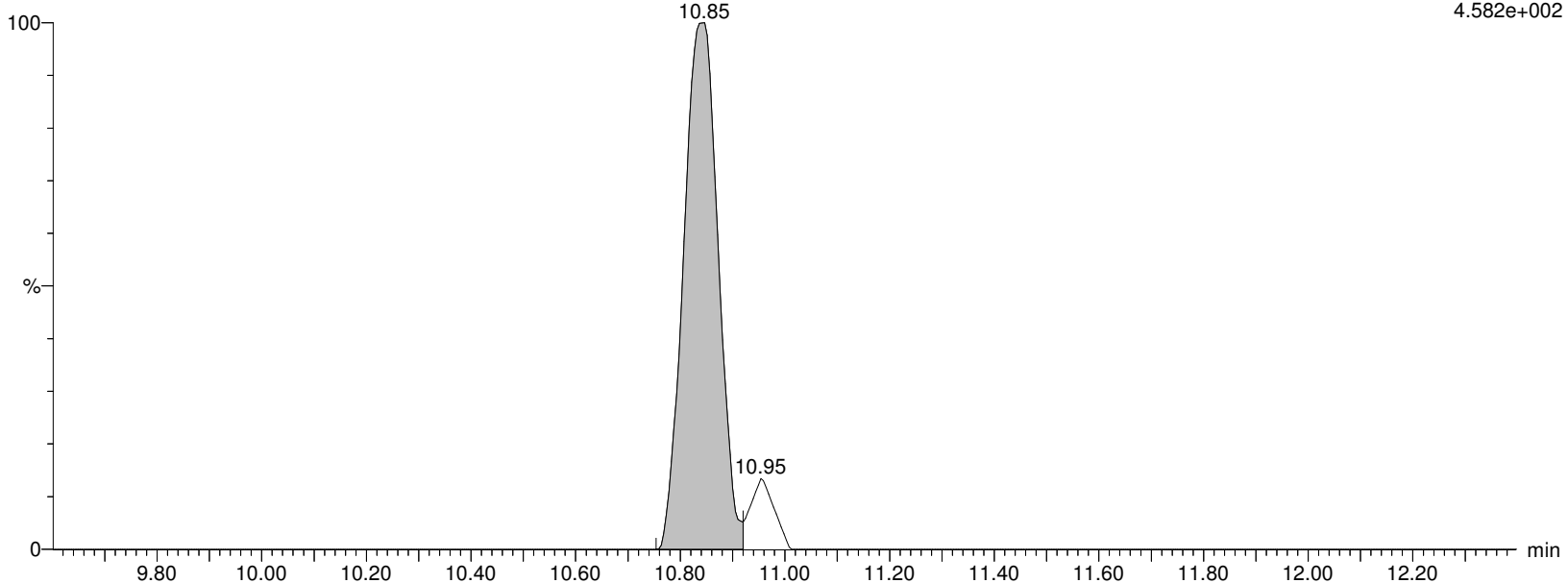
I18702 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 L2002747-01

F45:MRM of 2 channels, ES-

569.862 > 482.77

4.582e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

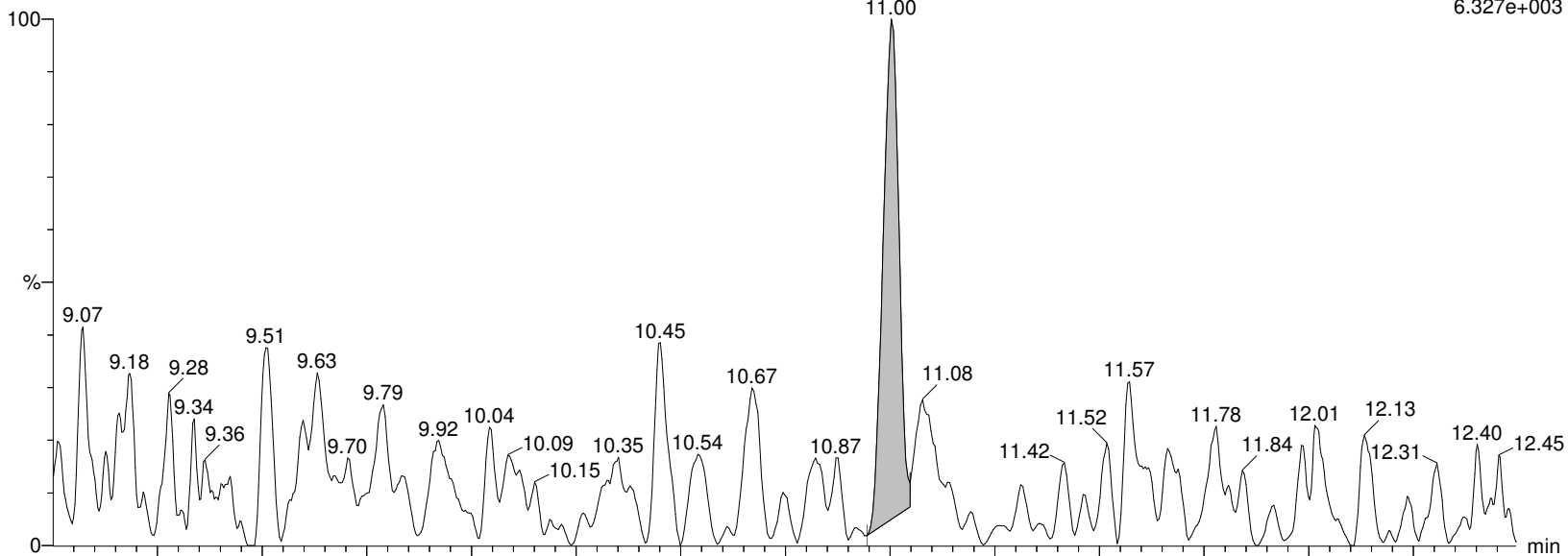
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F44:MRM of 2 channels, ES-

562.989 > 518.903

6.327e+003



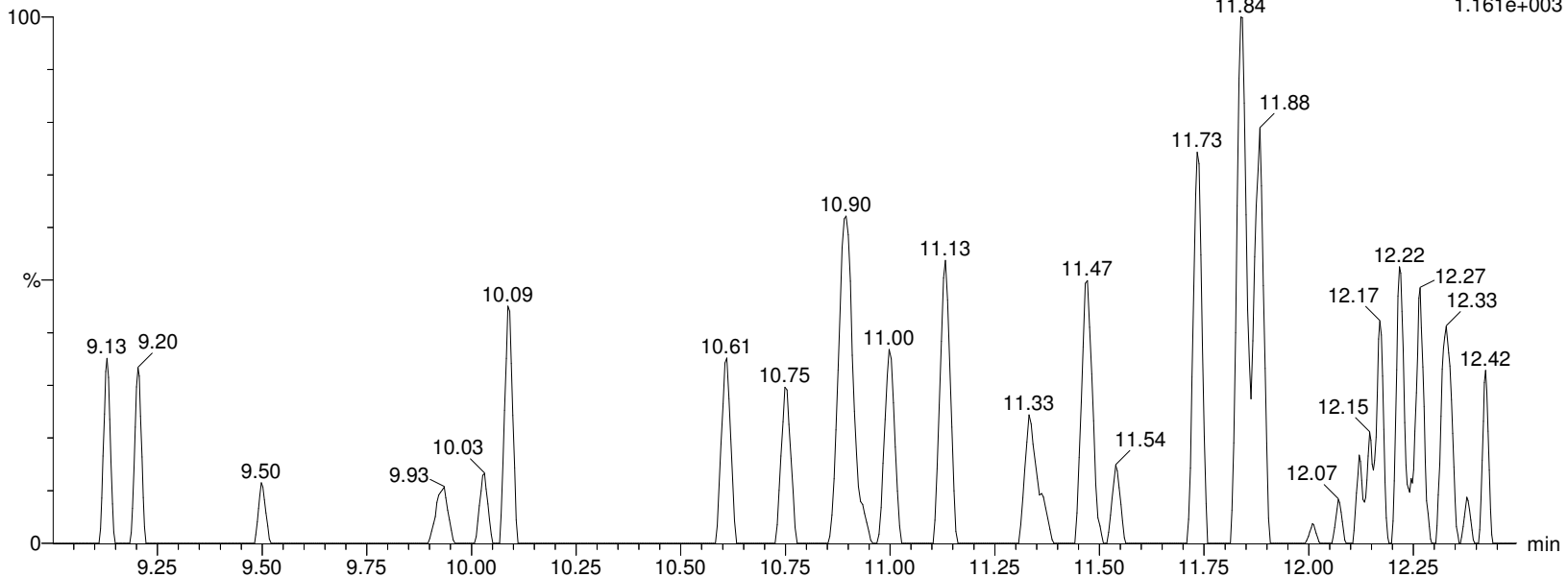
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.161e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

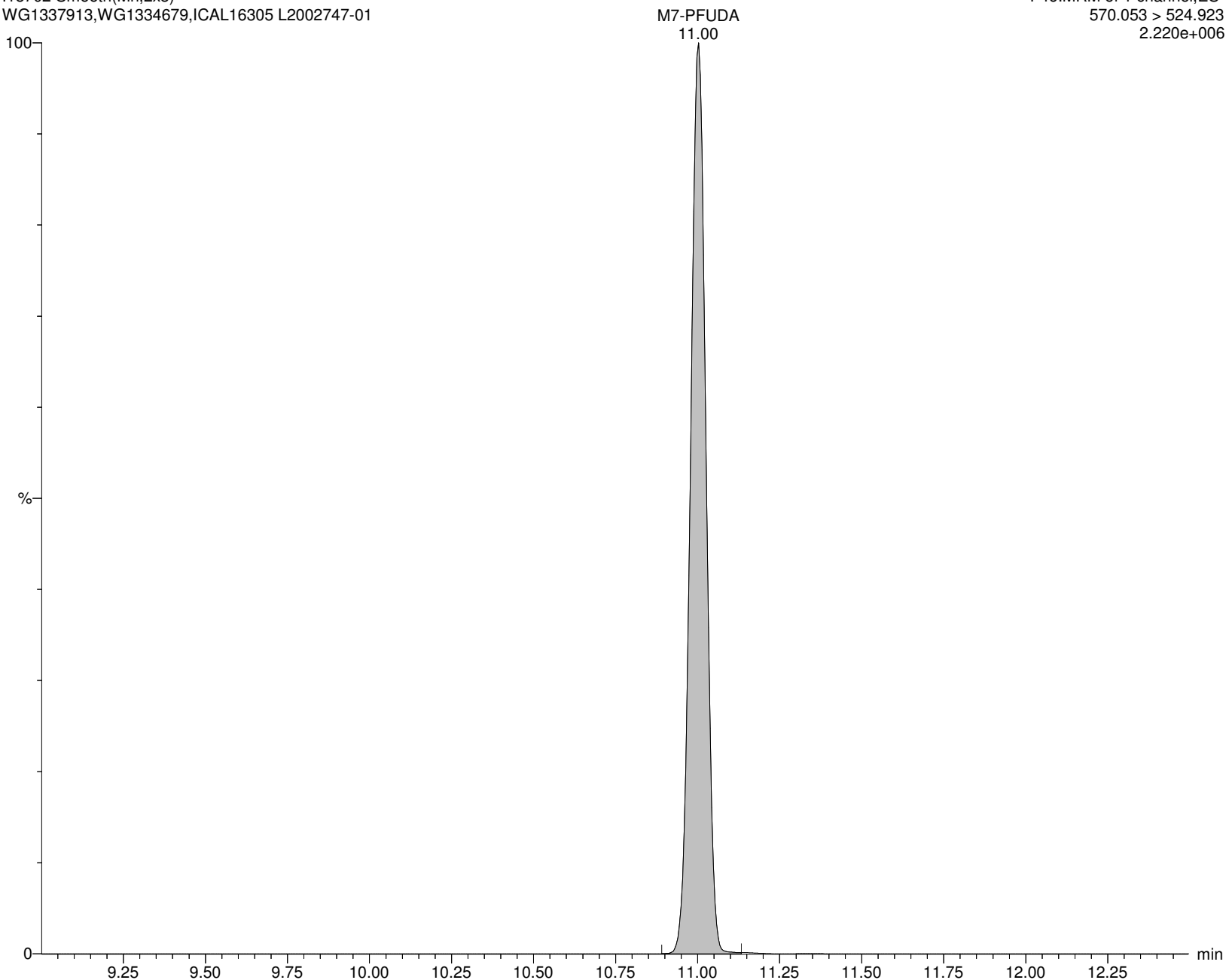
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.220e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

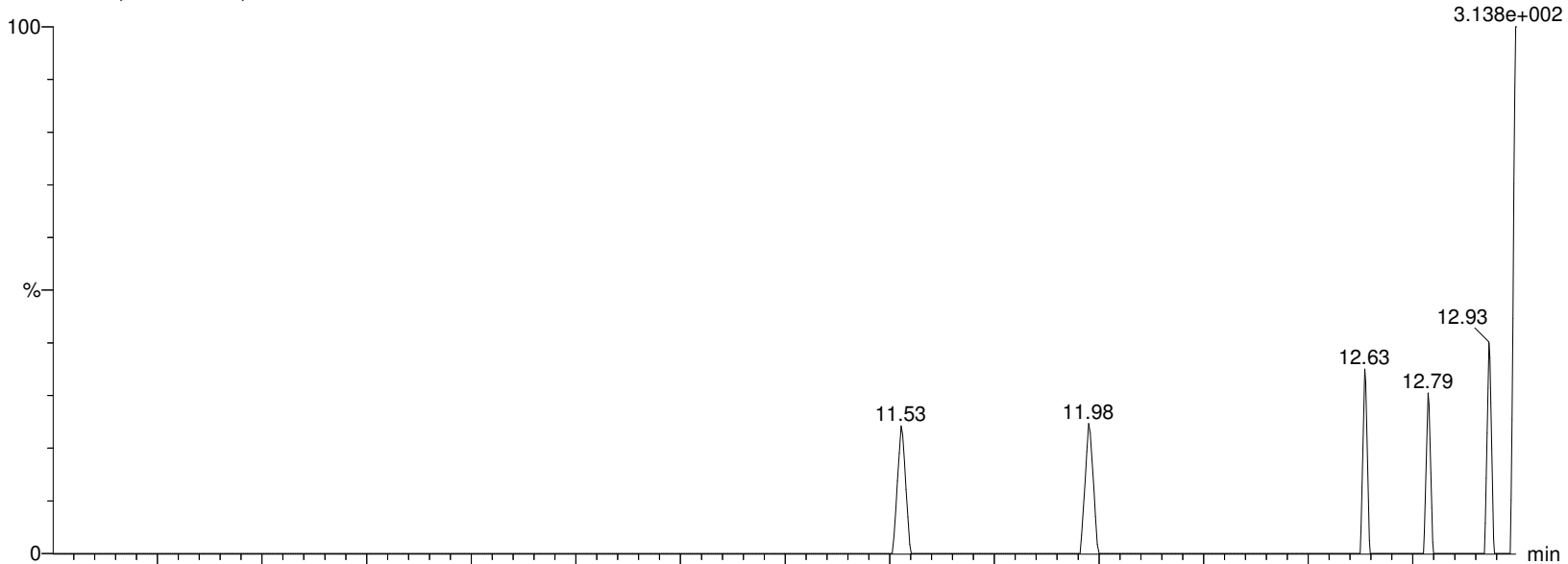
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

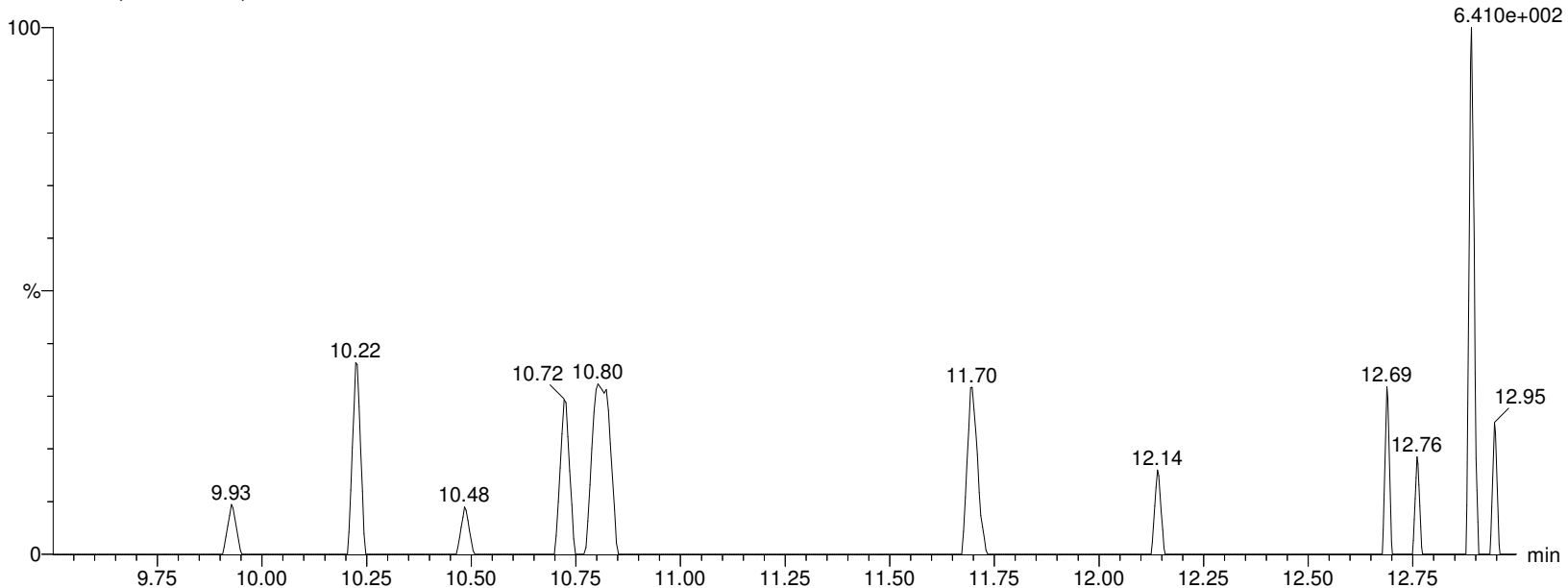
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01



I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

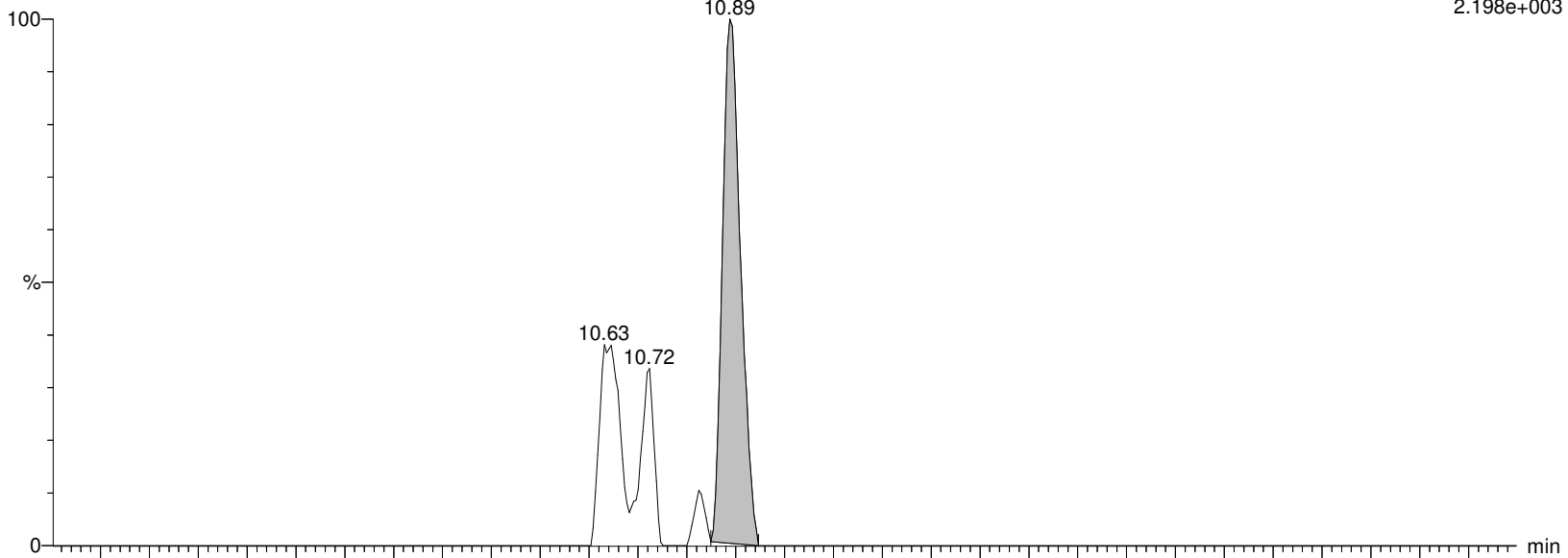
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F28:MRM of 2 channels, ES-

497.989 > 78.245

2.198e+003



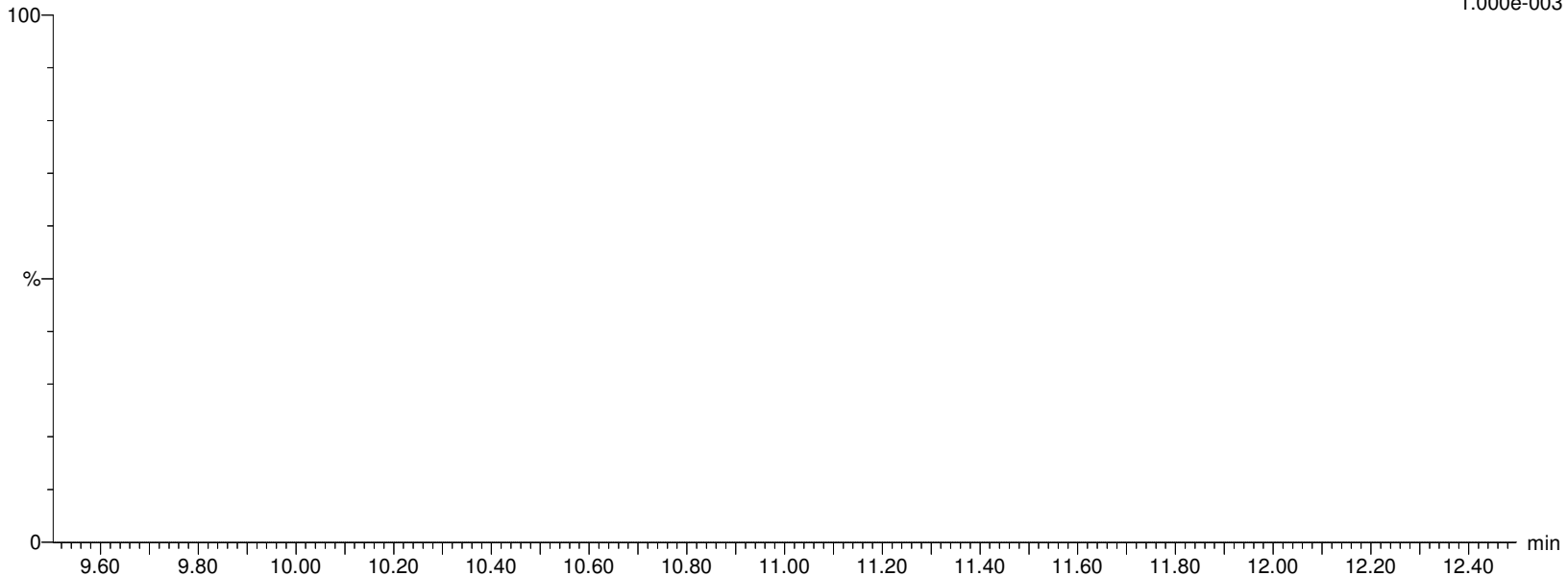
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F28:MRM of 2 channels, ES-

497.989 > 168.854

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

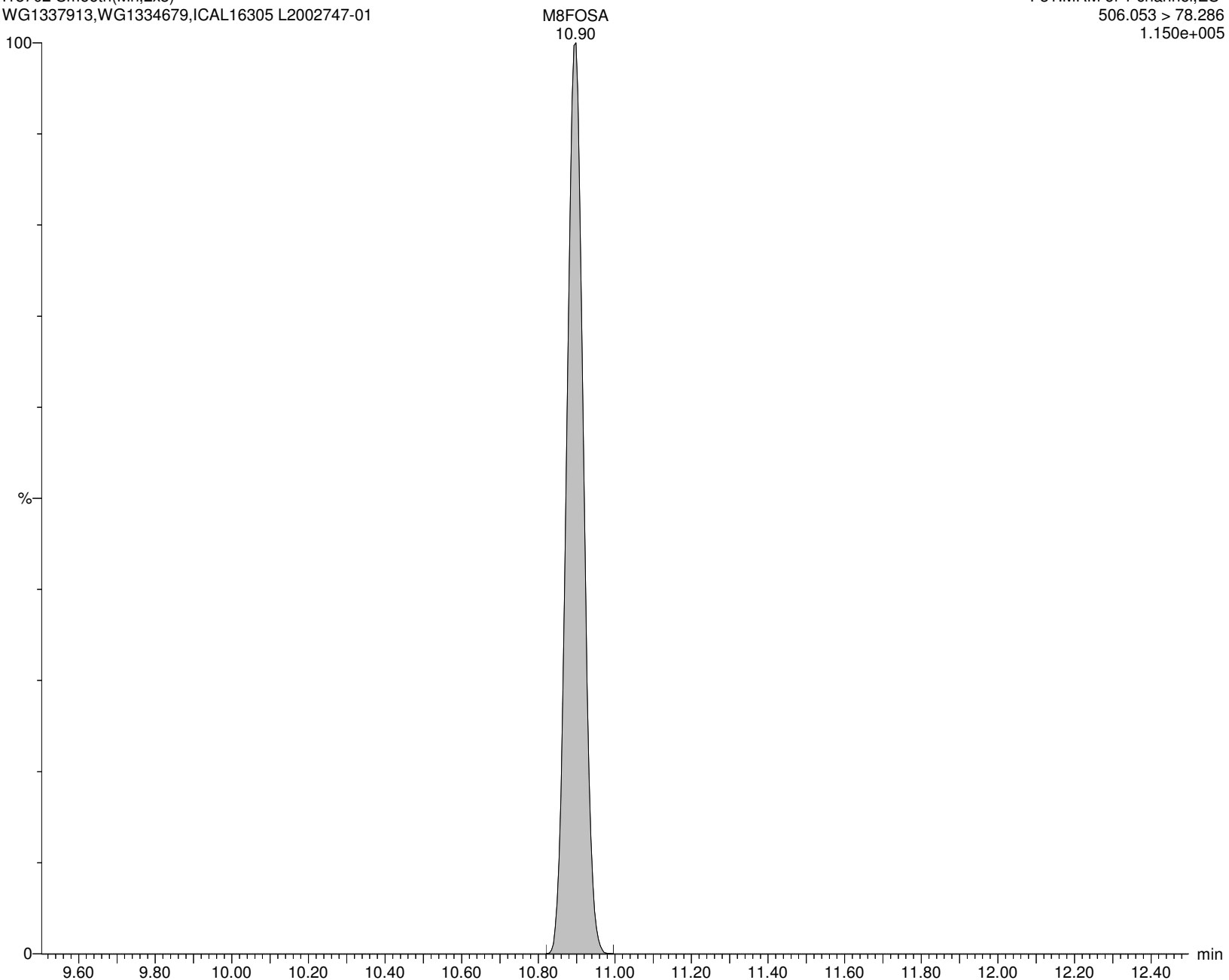
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F31:MRM of 1 channel, ES-

506.053 > 78.286

1.150e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

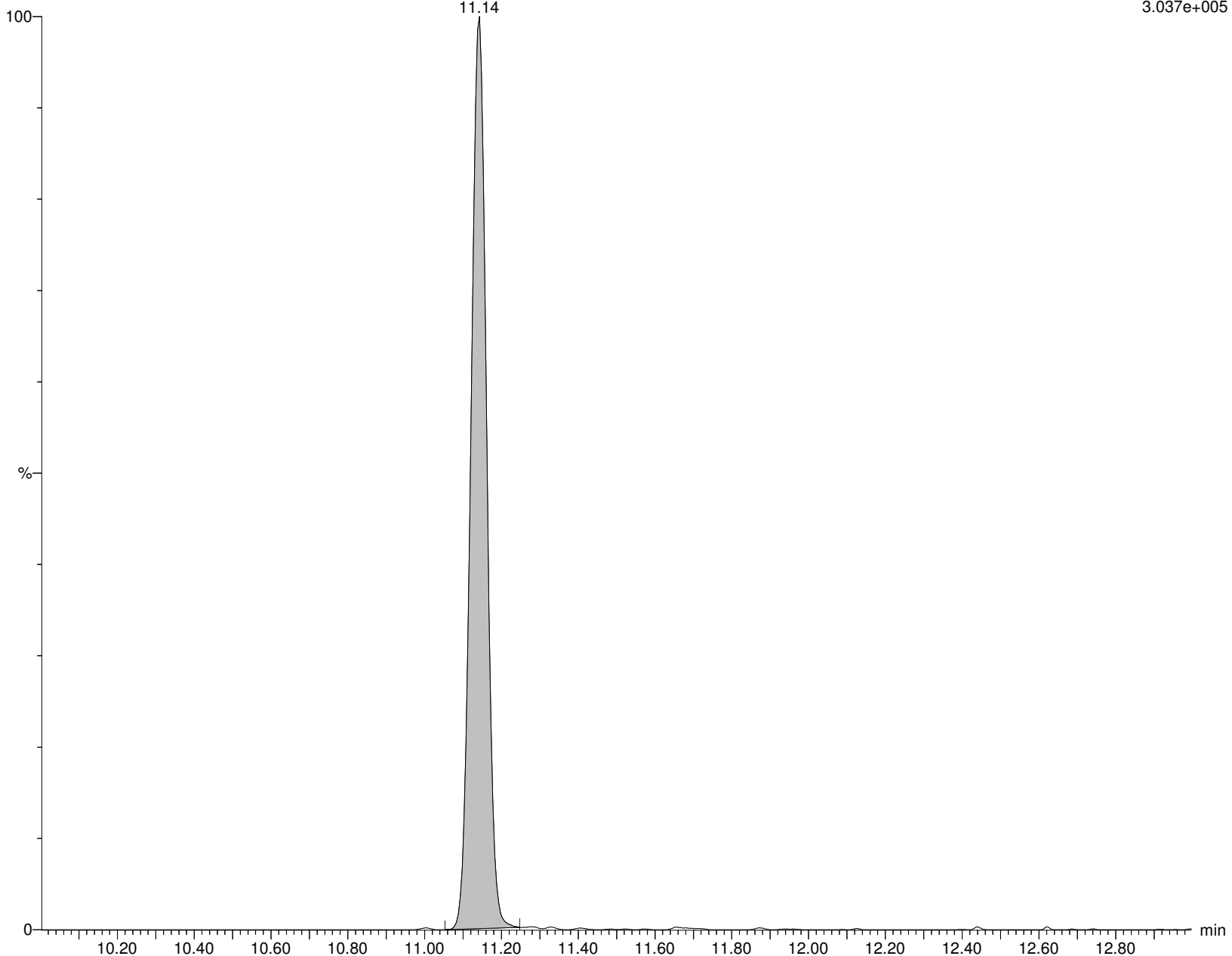
d5-NEtFOSAA

11.14

F49:MRM of 1 channel, ES-

589.117 > 418.929

3.037e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

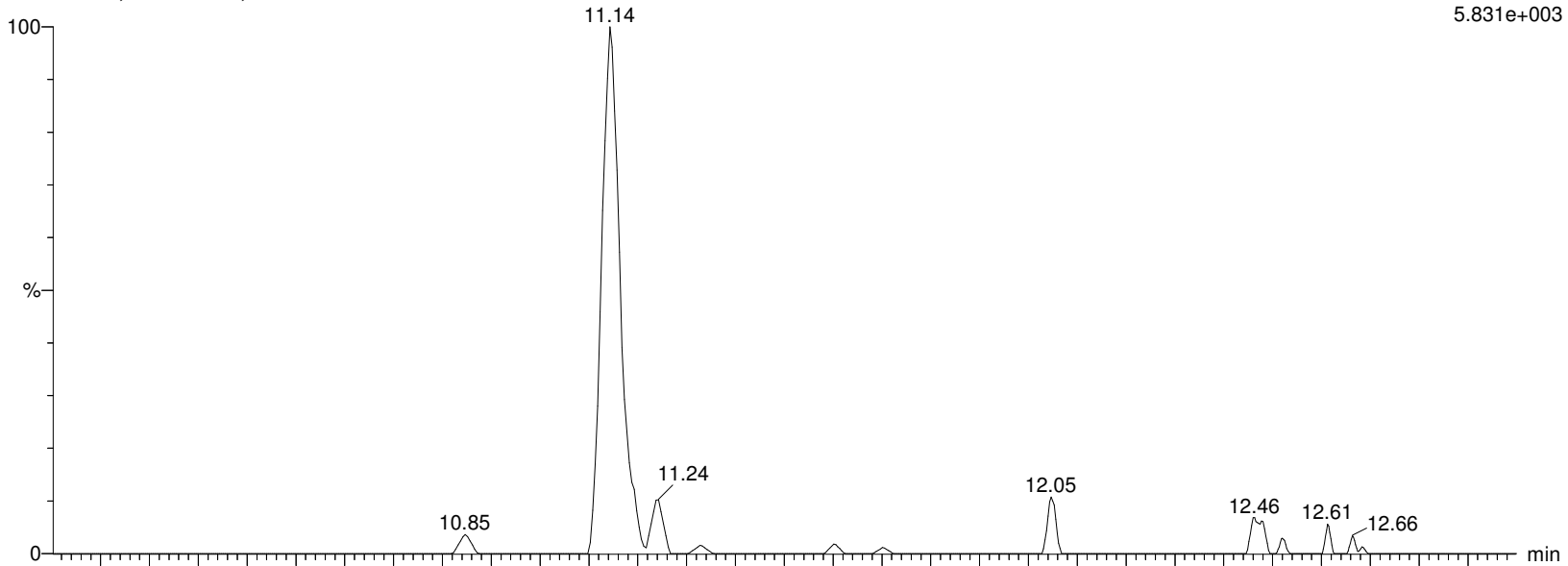
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.831e+003



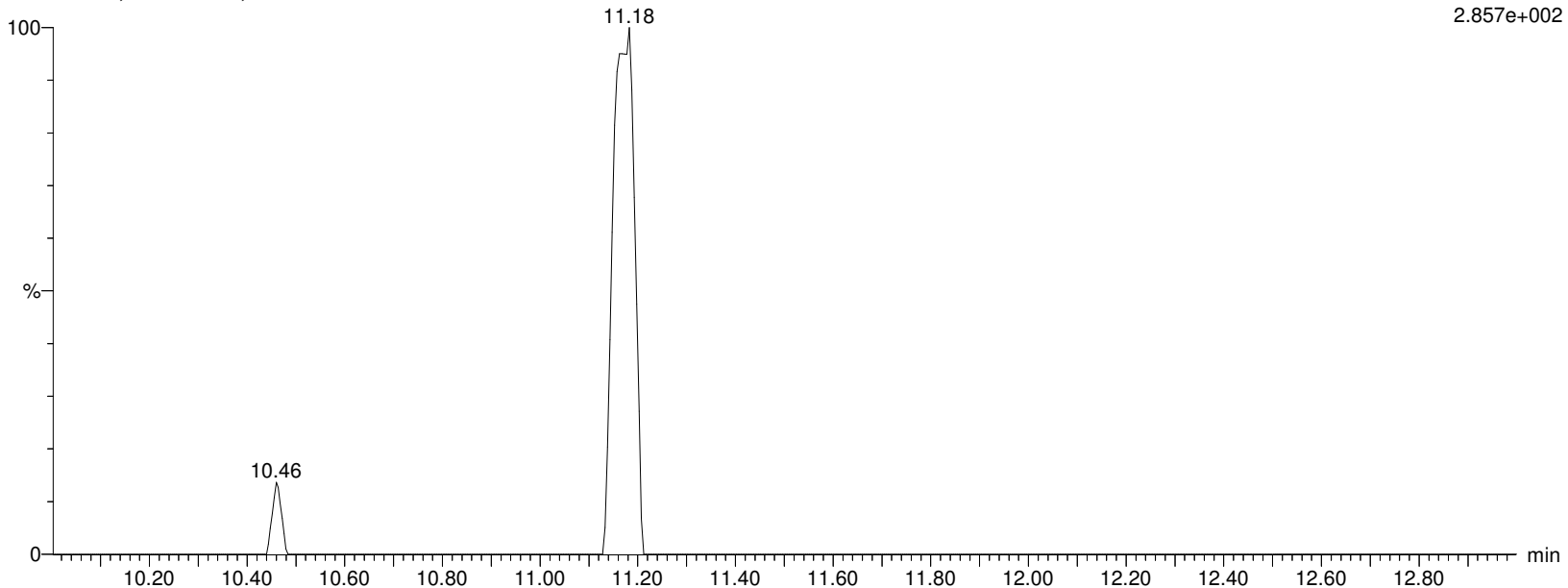
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F48:MRM of 2 channels, ES-

583.989 > 482.88

2.857e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

I18702 Smooth(Mn,2x2)

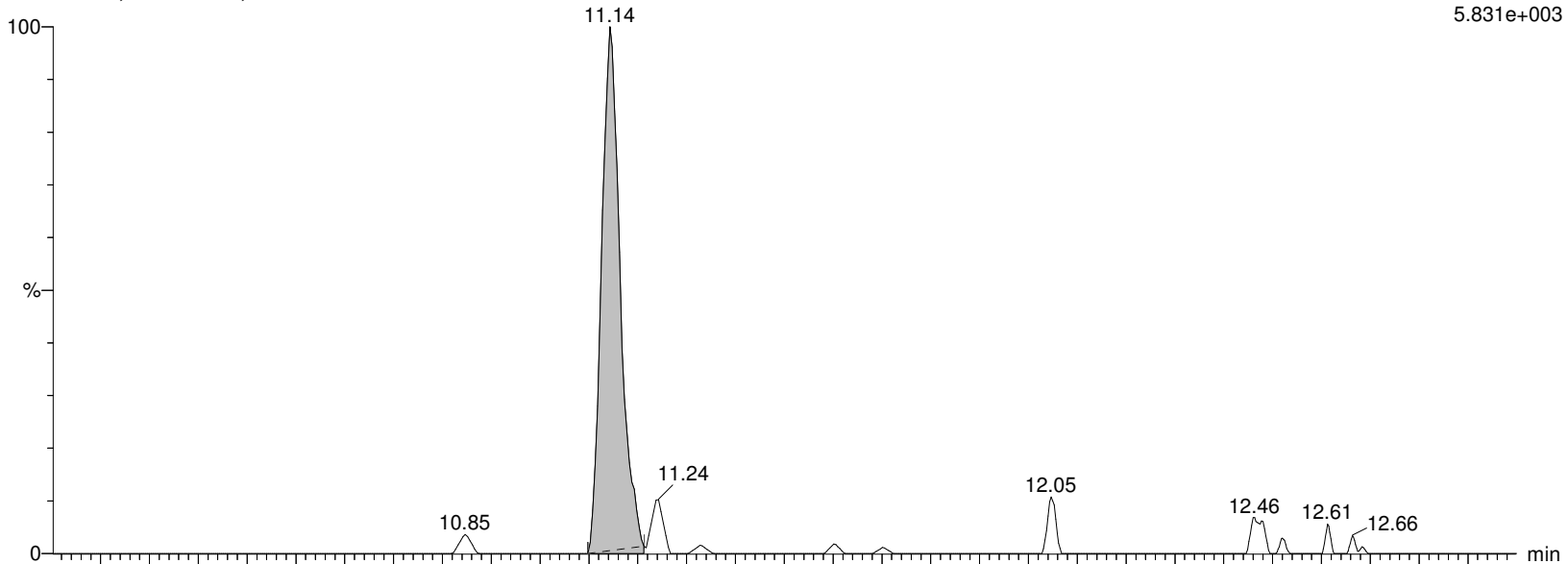
WG1337913, WG1334679, ICAL16305 L2002747-01

L-NEtFOSAA

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.831e+003



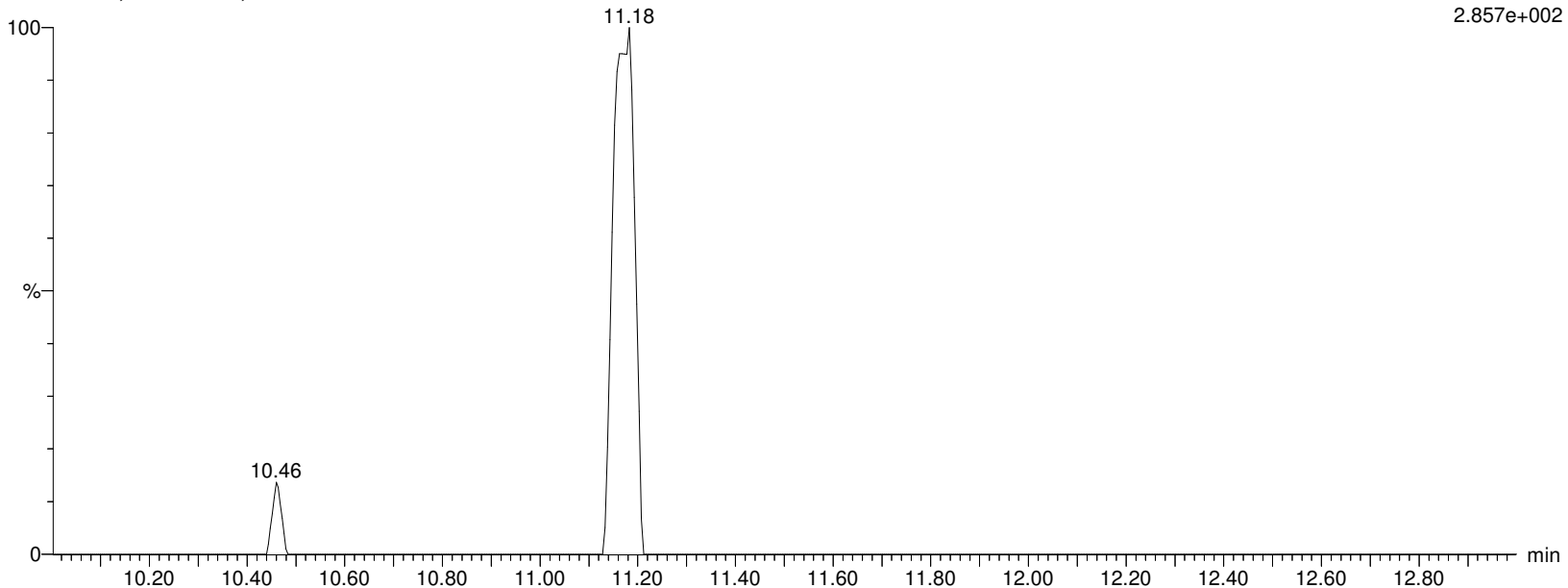
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F48:MRM of 2 channels, ES-

583.989 > 482.88

2.857e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSAA

I18702 Smooth(Mn,2x2)

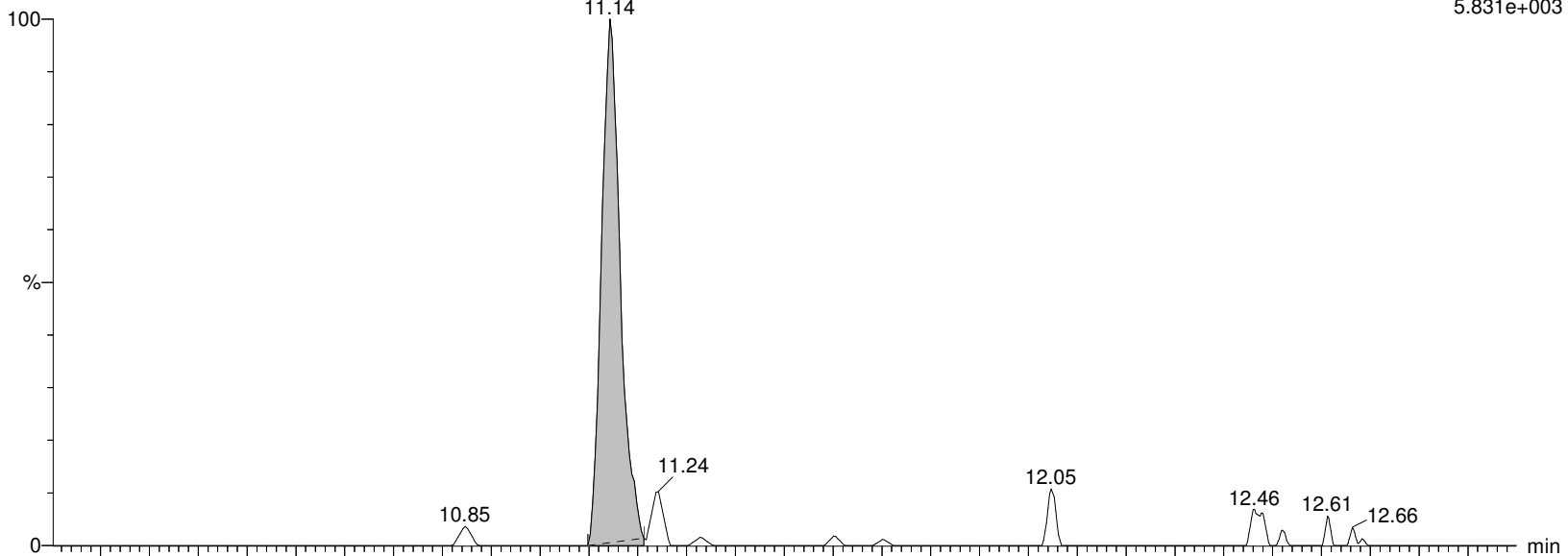
WG1337913, WG1334679, ICAL16305 L2002747-01

L-NEtFOSAA

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.831e+003



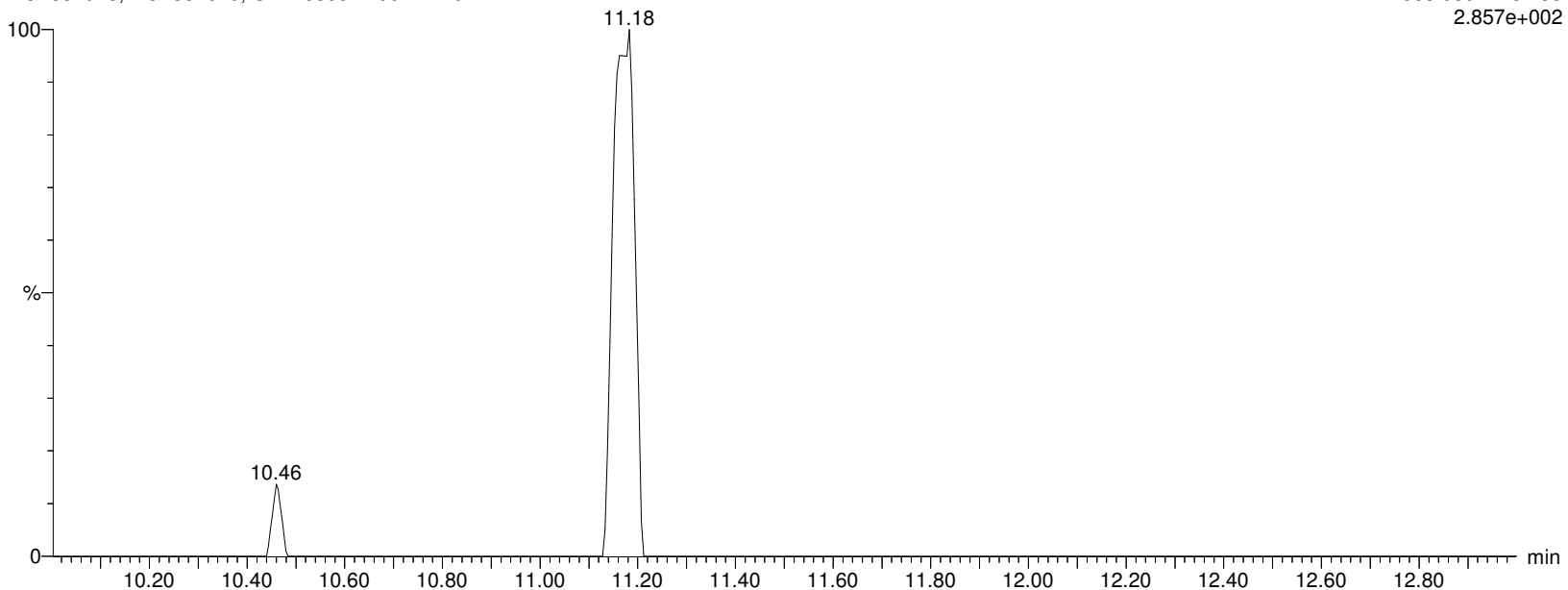
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F48:MRM of 2 channels, ES-

583.989 > 482.88

2.857e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

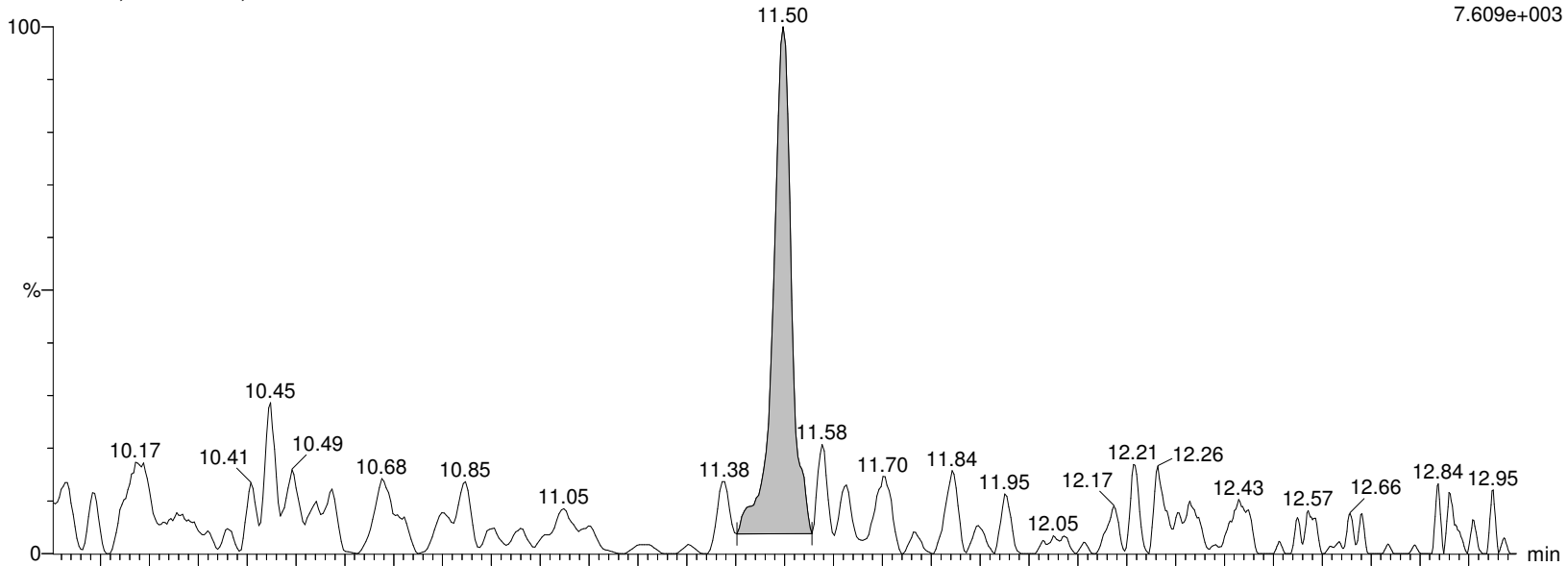
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F51:MRM of 2 channels, ES-

612.989 > 568.967

7.609e+003



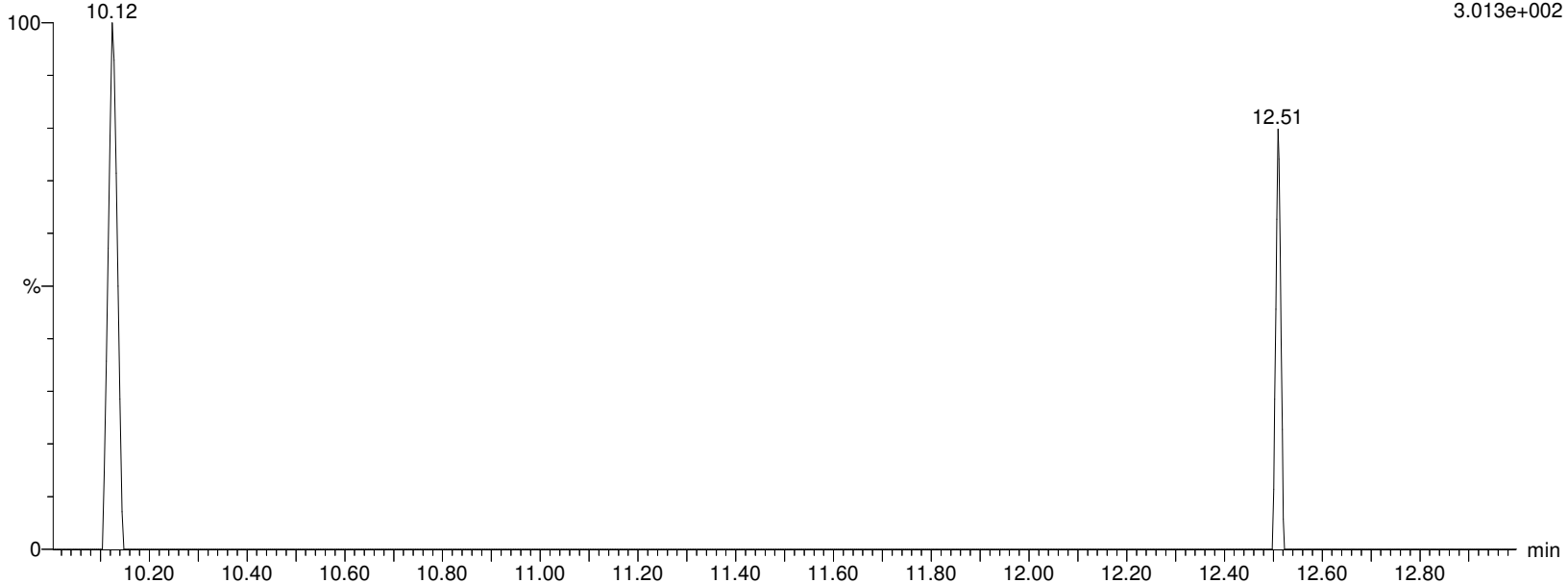
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01

F51:MRM of 2 channels, ES-

612.989 > 219.08

3.013e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

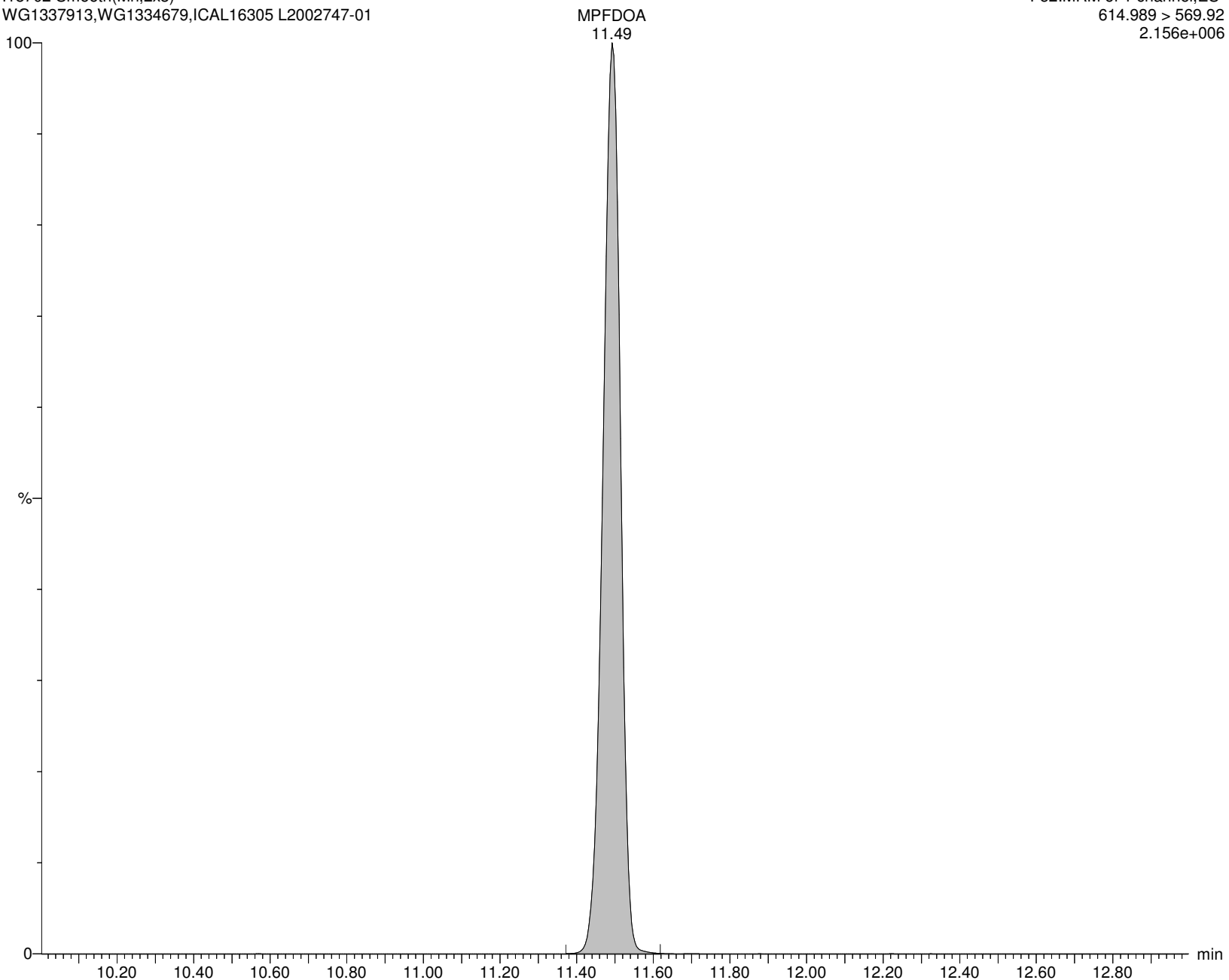
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.156e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

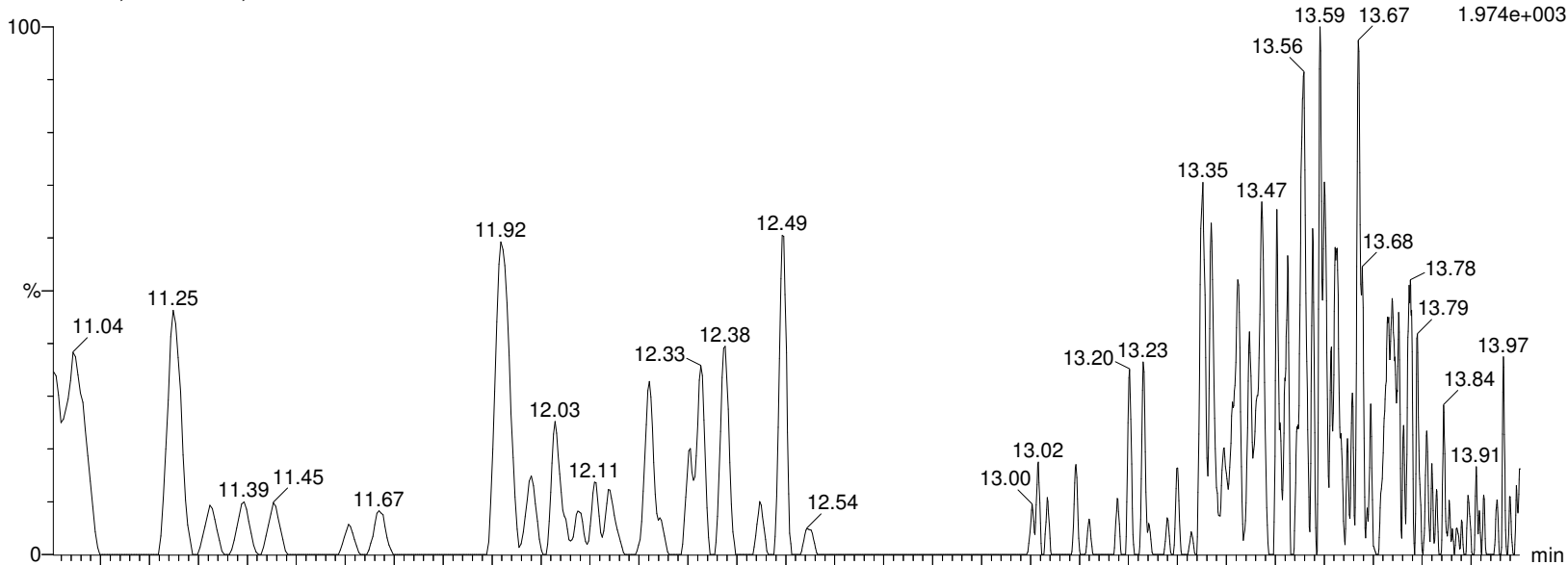
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

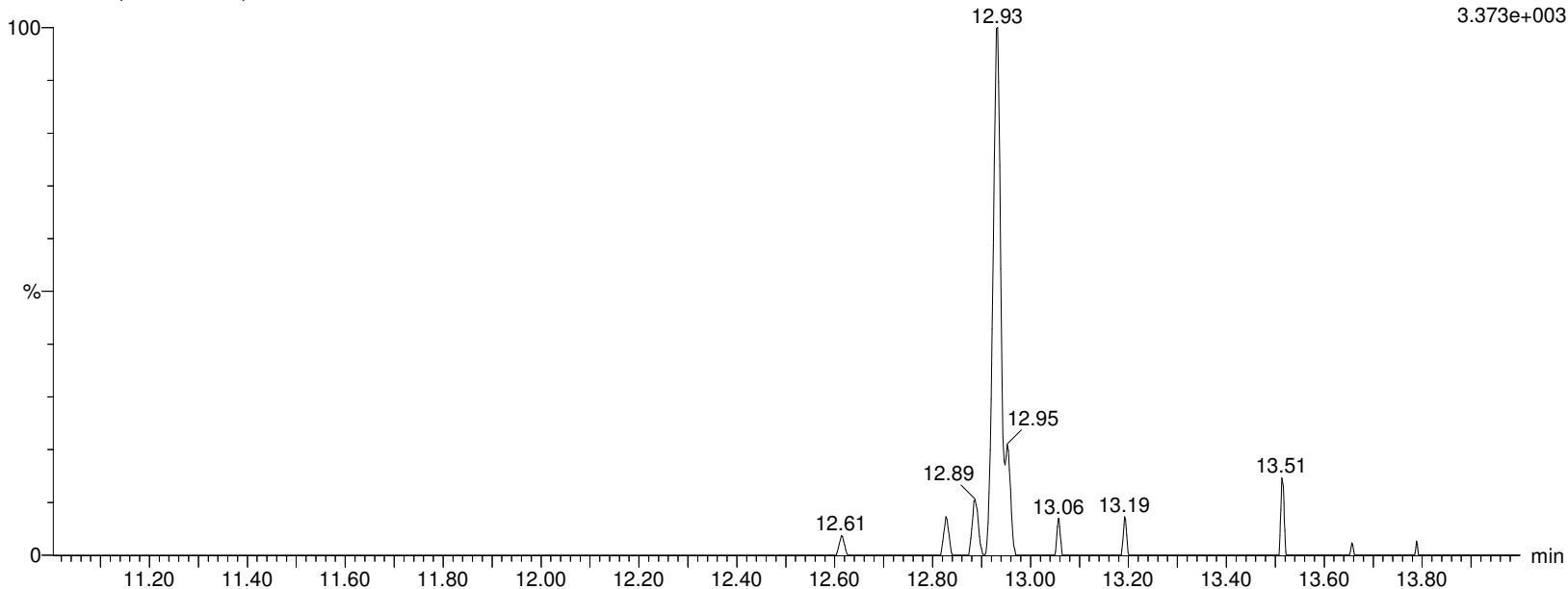
I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01



I18702 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 L2002747-01



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702

ID: L2002747-01

Date: 07-Feb-2020

Time: 06:45:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

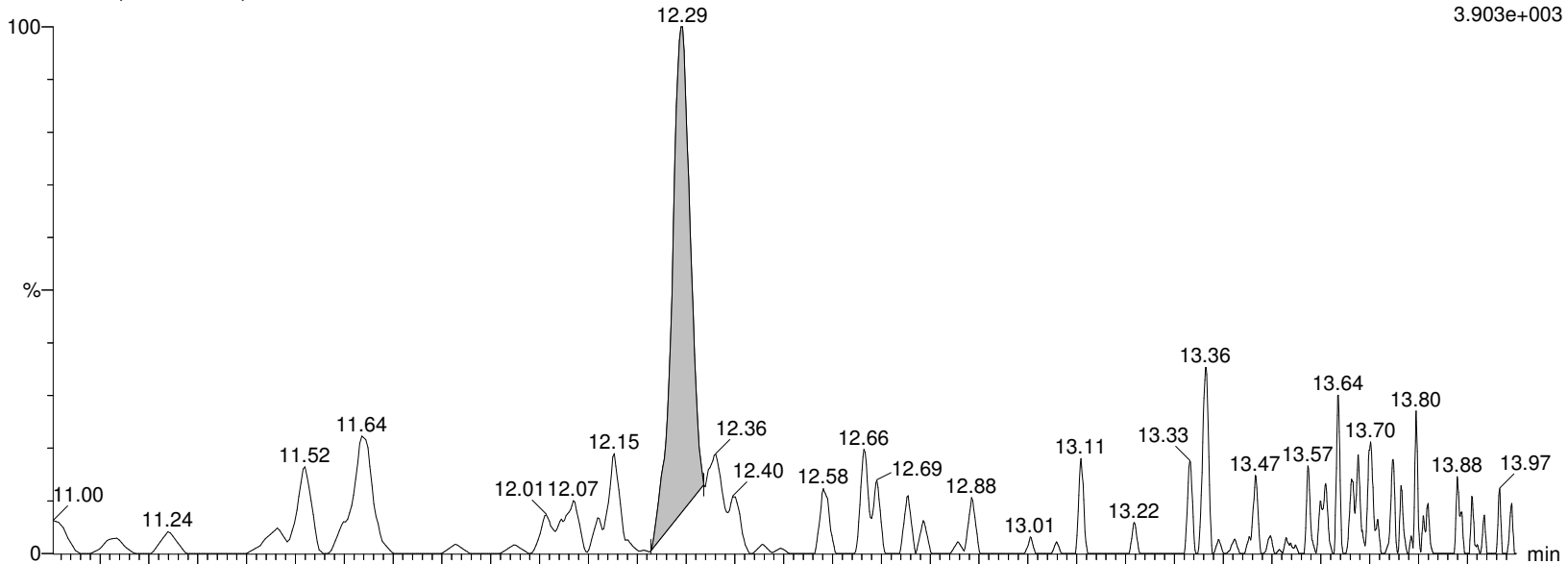
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F61:MRM of 2 channels, ES-

713.053 > 668.976

3.903e+003



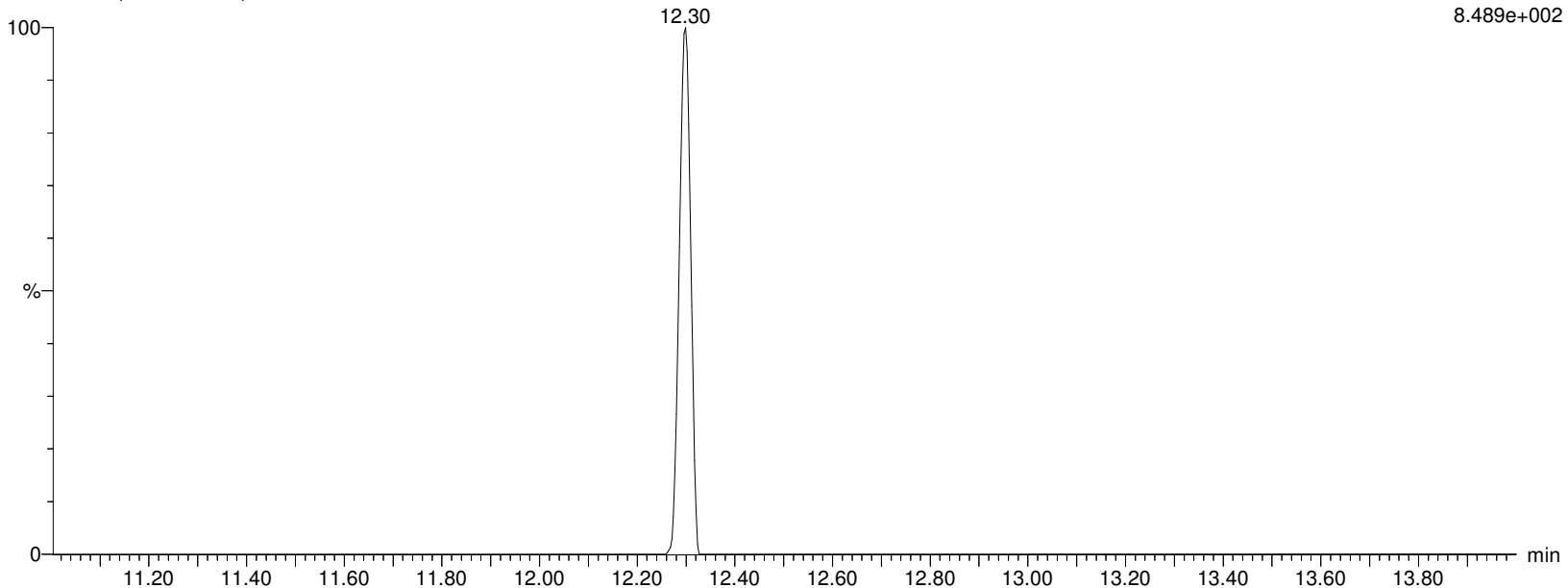
I18702 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 L2002747-01

F61:MRM of 2 channels, ES-

713.053 > 219.09

8.489e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:07 Eastern Standard Time

Name: I18702**ID: L2002747-01****Date: 07-Feb-2020****Time: 06:45:45****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

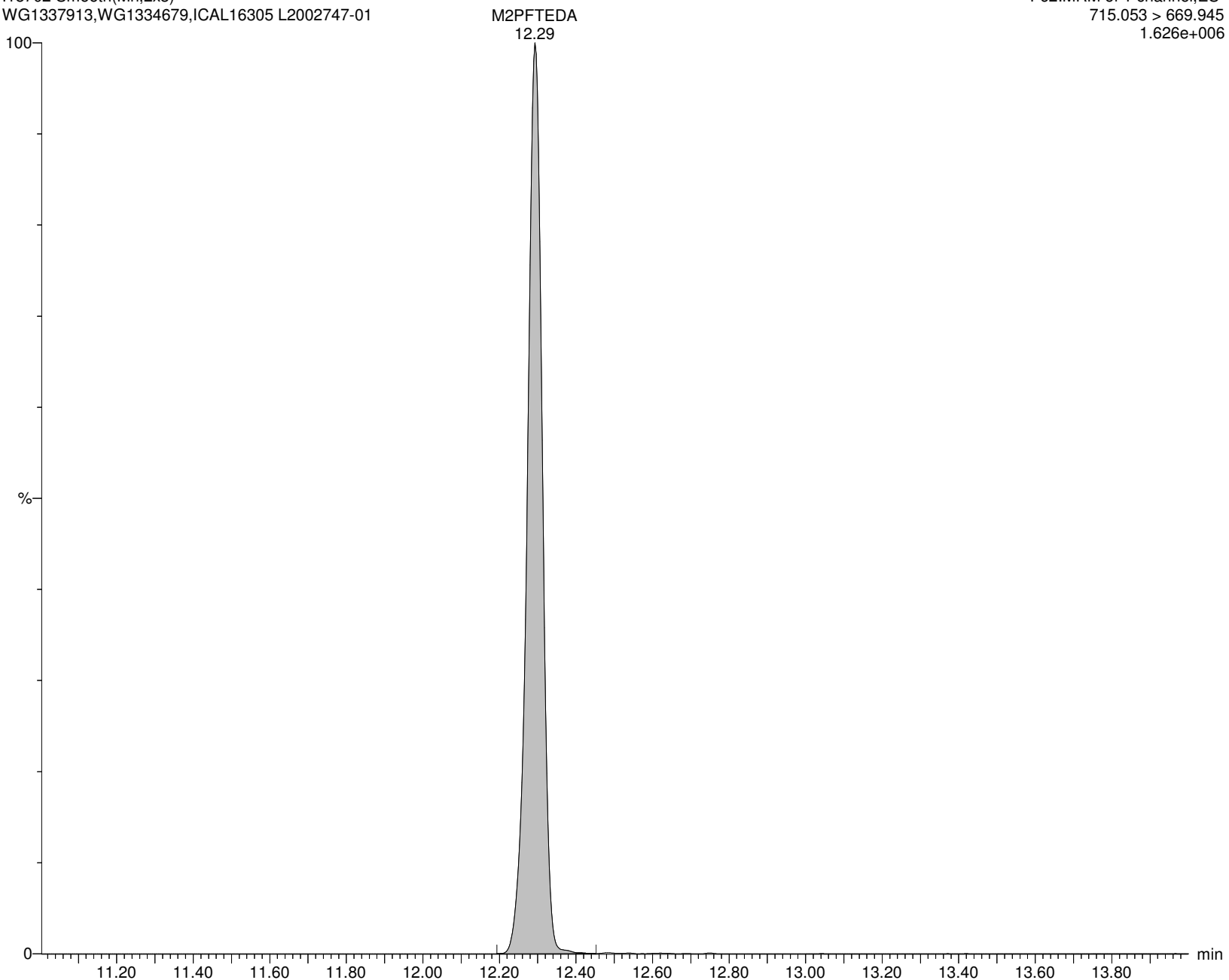
I18702 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 L2002747-01

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.626e+006



Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.202	52425.441	2022.401	0.462	92.4	0.772	427		0.85
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.235	52304.957	4649.223	1.065	106.5	0.889	1276		0.88
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.197	52211.477	24281.963	5.570	111.4	0.930	3246		0.84
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.197	51444.141	42612.859	9.920	99.2	0.828	10768		0.86
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.197	50772.324	211671.219	49.930	99.9	0.834	135752		0.86
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.197	48226.301	497630.500	123.580	98.9	0.825	40939		0.81
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.197	49131.746	626725.063	152.770	101.8	0.850	74744		0.79
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.197	48443.484	1053096.500	260.349	104.1	0.870	107293		0.74
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.202	48827.039	1988962.500	487.854	97.6	0.815	207926		0.63

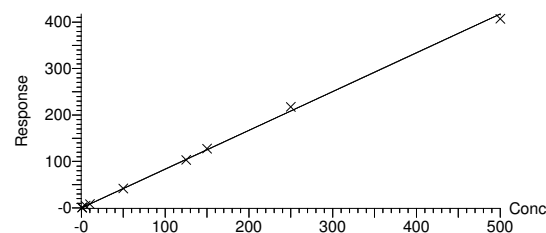
Compound name: PFBA

Coefficient of Determination: R² = 0.999191

Calibration curve: 0.83498 * x

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.198		48556.770	10.479	104.8	4855.677	17539		0.88
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.232		47672.914	10.289	102.9	4767.291	19716		0.90
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.198		48104.082	10.382	103.8	4810.408	25209		0.84
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.193		47491.551	10.249	102.5	4749.155	13908		0.88
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.193		46737.883	10.087	100.9	4673.788	22328		0.87
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.193		44596.996	9.625	96.2	4459.700	42998		0.82
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.193		44320.668	9.565	95.7	4432.067	11982		0.80
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.193		44854.523	9.680	96.8	4485.452	19567		0.75
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.198		44687.082	9.644	96.4	4468.708	11830		0.63

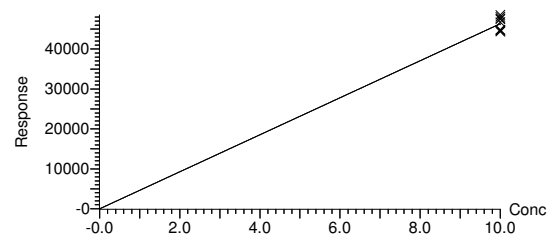
Compound name: M3PFBA

Response Factor: 4633.58

RRF SD: 170.812, % Relative SD: 3.6864

Response type: External Std, Area

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.200	48556.770	52425.441	9.921	99.2	1.080	83214		0.88
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.234	47672.914	52304.957	10.082	100.8	1.097	21701		0.89
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.195	48104.082	52211.477	9.974	99.7	1.085	42882		0.85
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.195	47491.551	51444.141	9.954	99.5	1.083	27822		0.87
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.195	46737.883	50772.324	9.982	99.8	1.086	6123		0.86
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.195	44596.996	48226.301	9.937	99.4	1.081	27458		0.81
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.195	44320.668	49131.746	10.186	101.9	1.109	41537		0.79
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.195	44854.523	48443.484	9.924	99.2	1.080	16769		0.75
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.200	44687.082	48827.039	10.040	100.4	1.093	4654		0.63

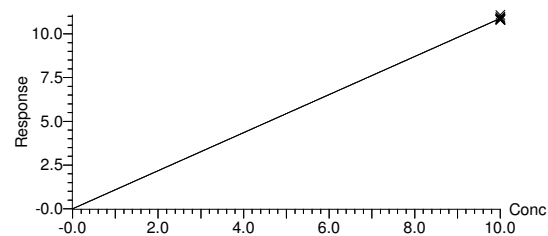
Compound name: MPFBA

Response Factor: 1.08826

RRF SD: 0.00959591, % Relative SD: 0.881764

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.103	76105.172	3492.261	0.475	95.0	0.918	637		0.85
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.136	77263.586	7746.430	1.038	103.8	1.003	1599		0.87
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.100	75572.102	40899.605	5.604	112.1	1.082	11510		0.81
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.098	75017.859	70842.992	9.778	97.8	0.944	3098		0.83
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.097	72241.625	350630.375	50.254	100.5	0.971	41095		0.82
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.095	67687.656	808328.813	123.649	98.9	0.955	118382		0.75
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.094	69048.016	1014589.375	152.143	101.4	0.980	86534		0.75
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.094	66395.219	1664293.750	259.541	103.8	1.003	278059		0.71
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.095	64857.230	3063171.750	489.018	97.8	0.945	1134		0.59

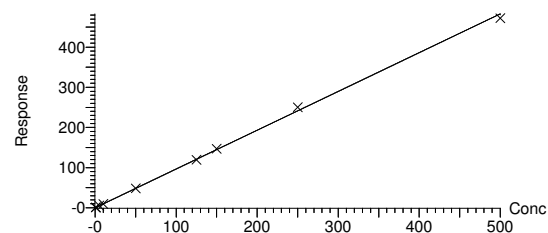
Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999314$

Calibration curve: $0.965801 * x$

Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.098	48556.770	76105.172	10.154	101.5	1.567	15613		0.94
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.131	47672.914	77263.586	10.500	105.0	1.621	18535		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.095	48104.082	75572.102	10.178	101.8	1.571	27622		0.92
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.092	47491.551	75017.859	10.234	102.3	1.580	23941		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.092	46737.883	72241.625	10.014	100.1	1.546	17064		0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.089	44596.996	67687.656	9.833	98.3	1.518	16990		0.91
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.088	44320.668	69048.016	10.093	100.9	1.558	16815		0.91
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.088	44854.523	66395.219	9.590	95.9	1.480	10808		0.87
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.086	44687.082	64857.230	9.403	94.0	1.451	13250		0.76

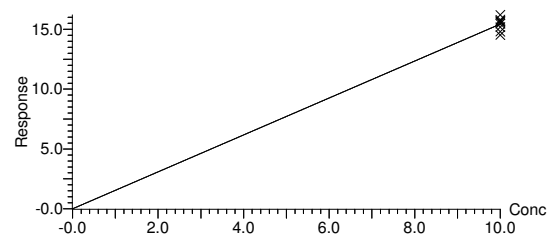
Compound name: M5PFPEA

Response Factor: 1.54351

RRF SD: 0.0523876, % Relative SD: 3.39405

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.750	10365.686	654.601	0.430	97.1	1.427	198	44	0.98
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.775	10629.898	1391.914	0.891	100.7	1.480	209	151	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.748	10509.768	7652.497	4.956	112.0	1.645	1592	1720	0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.746	10088.863	13152.148	8.873	100.3	1.473	1587	2749	0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.744	9965.561	64765.324	44.235	100.0	1.469	6525	6660	0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.740	9225.293	147915.531	109.133	98.7	1.449	51313	65736	0.95
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.740	9189.132	183932.656	136.241	102.6	1.508	29989	10666	0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.738	8779.142	295488.219	229.092	103.5	1.521	51166	10003	0.93
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.733	8395.982	533039.500	432.126	97.7	1.435	86634	7042	0.89

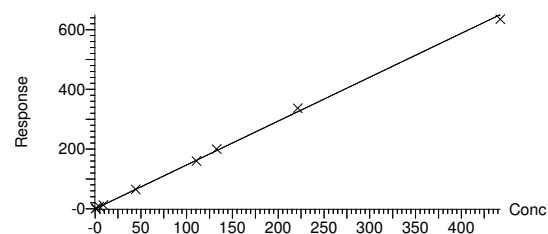
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999262$

Calibration curve: $1.46919 \times x$

Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\11118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.750	7620.767	10365.686	9.717	97.2	1.360	3560		0.90
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.773	7797.159	10629.898	9.740	97.4	1.363	6733		0.93
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.748	8269.742	10509.768	9.079	90.8	1.271	123		0.87
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.746	7629.751	10088.863	9.447	94.5	1.322	2544		0.90
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.746	7090.403	9965.561	10.041	100.4	1.405	1311		0.87
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.742	7149.182	9225.293	9.219	92.2	1.290	2600		0.82
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.742	6324.697	9189.132	10.380	103.8	1.453	5278		0.81
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.742	5696.930	8779.142	11.009	110.1	1.541	3031		0.74
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.742	5276.689	8395.982	11.367	113.7	1.591	2580		0.64

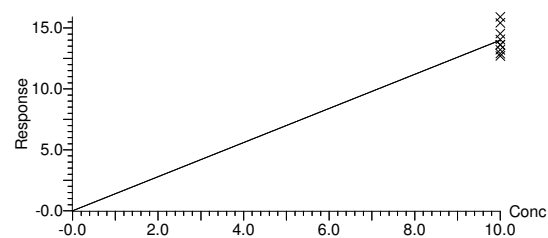
Compound name: M3PFBS

Response Factor: 1.39974

RRF SD: 0.110062, % Relative SD: 7.86304

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.923	5031.747	265.139	0.475	101.7	1.127	4336	27	0.87
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	6.933	5701.004	638.102	1.011	108.2	1.197	305	8	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.916	5712.227	3446.212	5.526	118.2	1.290	1288	329	0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.916	5560.028	5683.588	9.476	101.3	1.093	2549	351	1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.916	6681.914	29143.561	45.413	97.1	0.933	20705	2396	0.95
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.909	8099.027	66775.891	110.524	94.6	0.705	15168	462	0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.909	9331.077	86895.203	157.479	112.3	0.664	12484	26719	0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.905	11231.326	140203.016			0.534	13232	4927	0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.905	16745.953	268377.688			0.343	35566	10844	0.86

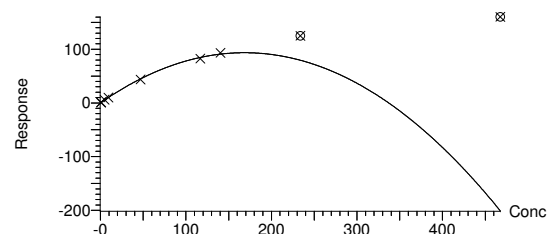
Compound name: 4:2FTS

Coefficient of Determination: $R^2 = 0.998246$

Calibration curve: $-0.00329334 * x^2 + 1.10998 * x$

Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.919	7620.767	5031.747	7.265	72.7	0.660	93122		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	6.933	7797.159	5701.004	8.046	80.5	0.731	104927		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.916	8269.742	5712.227	7.601	76.0	0.691	1035		1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.916	7629.751	5560.028	8.019	80.2	0.729	541		0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.913	7090.403	6681.914	10.370	103.7	0.942	4239		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.909	7149.182	8099.027	12.466	124.7	1.133	1149		0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.909	6324.697	9331.077	16.234	162.3	1.475	163851		0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.909	5696.930	11231.326	21.693	216.9	1.971	1244		0.85
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.906	5276.689	16745.953	34.921	349.2	3.174	4689		0.84

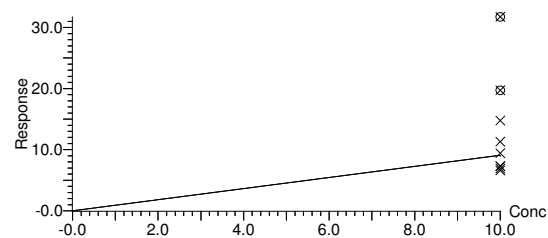
Compound name: M2-4:2FTS

Response Factor: 0.908784

RRF SD: 0.301551, % Relative SD: 33.1818

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.997	86318.461	4783.421	0.602	120.4	1.108	372	13	1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.014	89049.195	9448.923	1.153	115.3	1.061	775	72	0.96
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.997	87051.219	45761.648	5.710	114.2	1.051	3188	257	0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.997	85937.961	78643.000	9.941	99.4	0.915	3968	450	0.93
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.994	82847.523	385143.969	50.500	101.0	0.930	25319	2529	0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.990	77004.234	867096.500	122.320	97.9	0.901	44217	4573	0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.990	76551.578	1081576.375	153.479	102.3	0.942	40523	6533	0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.987	73381.758	1733137.375	256.561	102.6	0.945	53786	10812	0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.983	69255.578	3131820.000	491.234	98.2	0.904	91196	7077	0.93

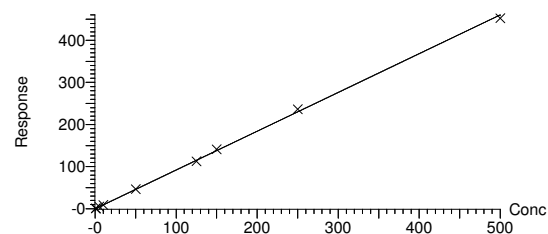
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999423$

Calibration curve: $0.920564 \times x$

Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.997	117636.820	86318.461	9.586	95.9	0.734	11836		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.010	114802.125	89049.195	10.133	101.3	0.776	7997		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.997	113627.328	87051.219	10.008	100.1	0.766	10533		0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.994	114891.016	85937.961	9.771	97.7	0.748	14012		0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.994	107343.031	82847.523	10.082	100.8	0.772	9464		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.987	101103.344	77004.234	9.950	99.5	0.762	11330		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.987	97990.719	76551.578	10.205	102.1	0.781	9373		1.01
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.987	96048.547	73381.758	9.981	99.8	0.764	11032		0.94
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.984	87971.789	69255.578	10.284	102.8	0.787	6283		0.93

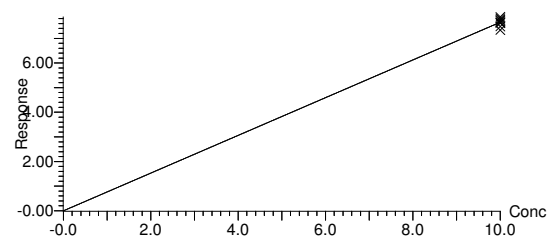
Compound name: M5PFHxA

Response Factor: 0.765496

RRF SD: 0.0165596, % Relative SD: 2.16325

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.309	6305.094	446.562	0.423	90.1	1.507	284	33	1.13
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.322	6708.928	946.722	0.844	89.8	1.501	14	62	0.97
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.309	6466.852	5126.527	4.740	100.9	1.687	494	60990	1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.306	6314.215	9042.376	8.563	91.1	1.523	5665	2677	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.306	5737.190	44566.102	46.448	98.8	1.653	8476	3548	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.296	5547.521	97344.078	104.923	89.3	1.493	14960	14826	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.299	5231.039	121259.477	138.608	98.3	1.644	13032	18913	1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.293	4621.618	187634.234	242.760	103.3	1.728	19754	14066	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.283	3959.817	317014.781	478.701	101.9	1.703	34657	20744	1.11

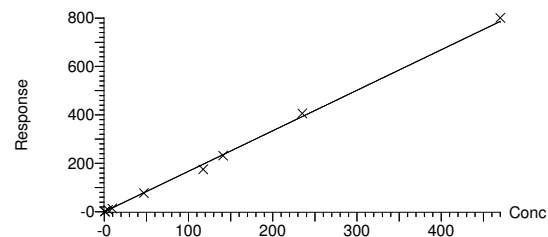
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.998113$

Calibration curve: $1.6724 \times x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.261	117836.461	5195.347	0.489	97.8	0.882	360	77	1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.267	121641.055	11592.057	1.056	105.6	0.953	652	108	1.08
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.257	117691.789	60757.566	5.723	114.5	1.032	4284	937	1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.257	116421.445	103796.039	9.884	98.8	0.892	6673	1168	0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.261	108576.563	506166.594	51.681	103.4	0.932	17764	6528	1.07
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.254	101436.859	1153905.625	126.109	100.9	0.910	37952	13087	1.06
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.254	102764.422	1427443.125	153.988	102.7	0.926	61661	14704	1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.257	95052.969	2202072.500	256.824	102.7	0.927	61936	17126	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.254	89172.406	3907235.500	485.746	97.1	0.876	58138	28566	1.10

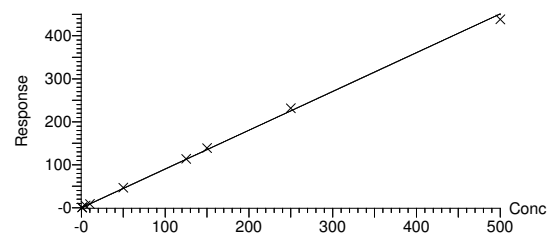
Compound name: PFHpA

Coefficient of Determination: $R^2 = 0.999180$

Calibration curve: $0.902048 * x$

Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\11\18_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.261	117636.820	117836.461	9.824	98.2	1.002	9958		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.267	114802.125	121641.055	10.391	103.9	1.060	6274		1.06
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.257	113627.328	117691.789	10.158	101.6	1.036	16862		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.254	114891.016	116421.445	9.938	99.4	1.013	7116		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.261	107343.031	108576.563	9.920	99.2	1.011	8349		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.254	101103.344	101436.859	9.839	98.4	1.003	7911		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.254	97990.719	102764.422	10.285	102.8	1.049	4929		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.257	96048.547	95052.969	9.705	97.1	0.990	7797		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.254	87971.789	89172.406	9.941	99.4	1.014	4562		1.09

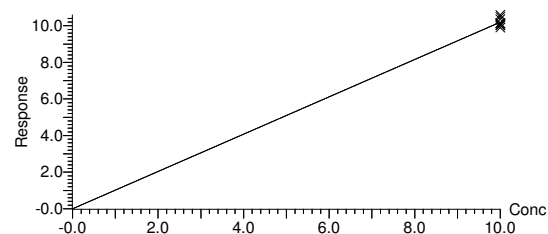
Compound name: M4PFHpA

Response Factor: 1.01968

RRF SD: 0.0232692, % Relative SD: 2.282

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.185	6305.094	11.237	0.015	17.8	0.210	1		0.26
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.135	6708.928	71.949	0.091	53.5	0.631	6	3	4.56
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.178	6466.852	518.690	0.678	79.8	0.944	16	7	0.47
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.185	6314.215	1050.500	1.400	82.4	0.979	63	33	0.42
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.185	5737.190	5931.751	8.333	98.0	1.216	185	73	0.45
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.178	5547.521	14988.256	20.296	95.5	1.271	1100	514	0.44
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.178	5231.039	18595.721	25.883	101.5	1.394	2530	273	0.46
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.181	4621.618	30899.139	44.216	104.0	1.573	868	707	0.44
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.181	3959.817	60734.234	84.444	99.3	1.804	4667	831	0.44

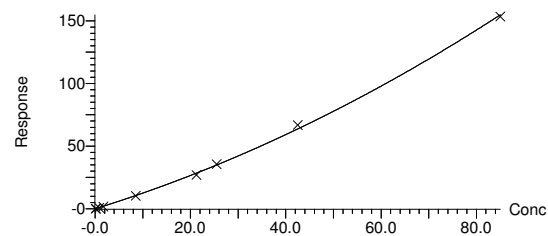
Compound name: br-PFHxS

Coefficient of Determination: $R^2 = 0.998684$

Calibration curve: $0.00756262 * x^2 + 1.17768 * x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.424	6305.094	259.238	0.328	88.7	1.111	20	15	0.68
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.420	6708.928	470.828	0.560	75.7	0.948	53	37	1.13
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.414	6466.852	3162.710	3.904	105.5	1.322	159	90	0.97
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.410	6314.215	5750.373	7.270	98.2	1.231	597	350	1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.417	5737.190	26815.008	37.313	100.8	1.263	1314	700	1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.410	5547.521	58360.066	83.984	90.8	1.137	6939	4653	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.410	5231.039	73279.281	111.834	100.8	1.262	15404	2385	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.414	4621.618	110741.648	191.292	103.4	1.295	4739	5075	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.407	3959.817	184133.313	371.225	100.3	1.257	21995	5050	1.25

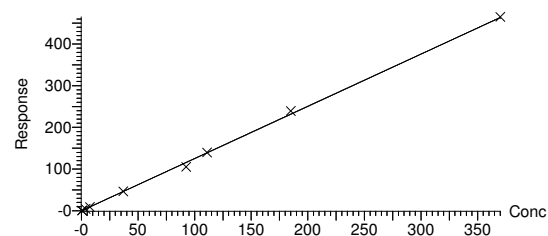
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.998646$

Calibration curve: $1.25262 \times x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		6305.094	270.475	0.343					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		6708.928	542.777	0.651					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		6466.852	3681.400	4.582					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		6314.215	6800.873	8.670					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		5737.190	32746.759	45.646					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		5547.521	73348.322	104.280					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		5231.039	91875.002	137.717					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		4621.618	141640.787	235.508					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		3959.817	244867.547	455.669					

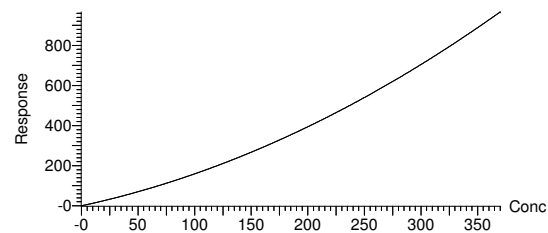
Compound name: PFHxS

Coefficient of Determination: 0.000000

Calibration curve: $1.21515 \times x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.414	7620.767	6305.094	10.241	102.4	0.827	136293		1.11
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.424	7797.159	6708.928	10.650	106.5	0.860	144053		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.414	8269.742	6466.852	9.679	96.8	0.782	138118		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.410	7629.751	6314.215	10.243	102.4	0.828	1886		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.414	7090.403	5737.190	10.015	100.2	0.809	700		1.19
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.410	7149.182	5547.521	9.605	96.0	0.776	12		1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.407	6324.697	5231.039	10.237	102.4	0.827	648		1.16
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.410	5696.930	4621.618	10.041	100.4	0.811	203		1.16
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.407	5276.689	3959.817	9.289	92.9	0.750	385		1.17

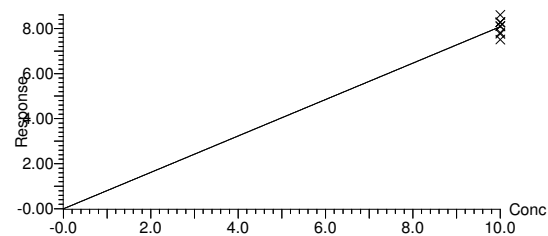
Compound name: M3PFHxS

Response Factor: 0.807915

RRF SD: 0.033353, % Relative SD: 4.12828

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		114742.953							
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		115929.242							
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		112562.227							
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		109470.945							
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		106781.555							
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		98244.656							
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		98053.172							
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		90653.047						3	
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		85048.031						2	

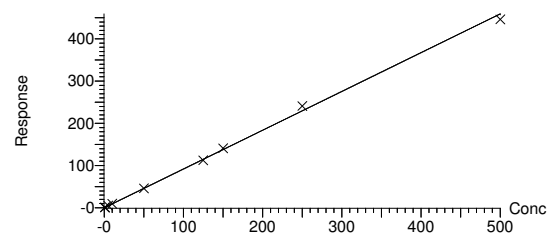
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.998806$

Calibration curve: $0.918228 * x$

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195	114742.953	5268.463	0.500	100.0	0.918	138	61	1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201	115929.242	11899.890	1.118	111.8	1.026	324	80	1.08
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.192	112562.227	58197.820	5.631	112.6	1.034	1597	182	1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.192	109470.945	105110.031	10.457	104.6	0.960	3137	231297	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198	106781.555	491336.344	50.111	100.2	0.920	13186	348	1.11
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192	98244.656	1104013.250	122.381	97.9	0.899	25245	15685	1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189	98053.172	1380425.125	153.321	102.2	0.939	34514	5127	1.12
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195	90653.047	2184240.000	262.402	105.0	0.964	28539	12915	1.10
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195	85048.031	3792057.500	485.579	97.1	0.892	73682	13446	1.15

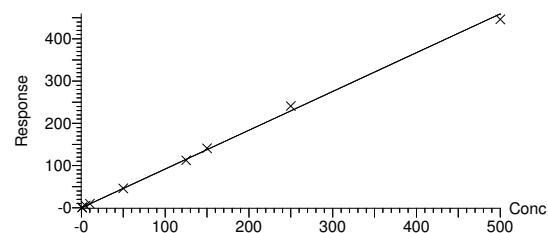
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.998806$

Calibration curve: $0.918228 * x$

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		114742.953	5268.463	0.500					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		115929.242	11899.890	1.118					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		112562.227	58197.820	5.631					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		109470.945	105110.031	10.457					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		106781.555	491336.344	50.111					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		98244.656	1104013.250	122.381					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		98053.172	1380425.125	153.321					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		90653.047	2184240.000	262.402					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		85048.031	3792057.500	485.579					

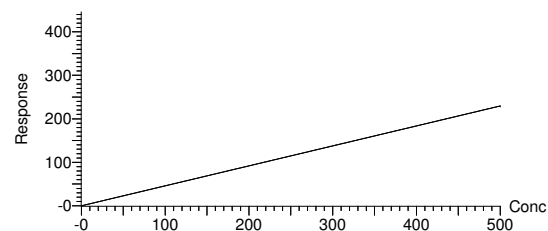
Compound name: PFOA

Coefficient of Determination: 0.000000

Calibration curve: $0.459114 \cdot x$

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195	117636.820	114742.953	9.968	99.7	0.975	6801		1.02
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201	114802.125	115929.242	10.320	103.2	1.010	11747		1.01
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.189	113627.328	112562.227	10.124	101.2	0.991	2472767		1.08
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.189	114891.016	109470.945	9.738	97.4	0.953	2330920		1.11
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198	107343.031	106781.555	10.166	101.7	0.995	7478		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192	101103.344	98244.656	9.931	99.3	0.972	11749		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189	97990.719	98053.172	10.226	102.3	1.001	32823		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195	96048.547	90653.047	9.646	96.5	0.944	4405		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195	87971.789	85048.031	9.880	98.8	0.967	2298		1.09

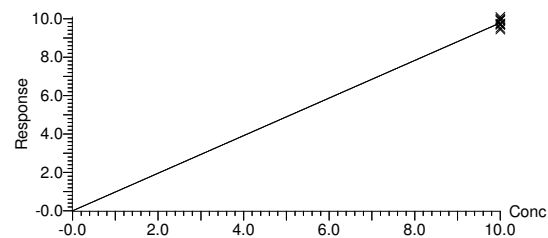
Compound name: M8PFOA

Response Factor: 0.978488

RRF SD: 0.0221851, % Relative SD: 2.26728

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195		117636.820	11.128	111.3	11763.682	9674		1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201		114802.125	10.860	108.6	11480.213	11792		1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.192		113627.328	10.749	107.5	11362.733	8335		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.192		114891.016	10.868	108.7	11489.102	6316		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198		107343.031	10.154	101.5	10734.303	6504		1.07
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192		101103.344	9.564	95.6	10110.334	13673		1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189		97990.719	9.270	92.7	9799.072	15591		1.13
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195		96048.547	9.086	90.9	9604.855	6987		1.12
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195		87971.789	8.322	83.2	8797.179	7087		1.17

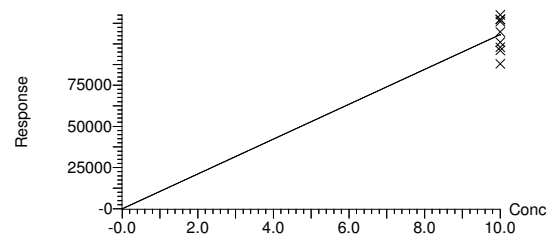
Compound name: M2PFOA

Response Factor: 10571.3

RRF SD: 1038.84, % Relative SD: 9.82703

Response type: External Std, Area

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.151	5244.259	136.521	0.321	67.6	0.548	43		1.18
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.160	5793.605	472.065	1.007	106.0	0.858	11270		1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.154	5686.892	2364.637	5.188	109.2	0.875	2595	2922	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.151	5537.379	4543.102	10.363	109.1	0.864	90	10198	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.157	6923.649	22887.639	45.588	96.0	0.696	2509	49281	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.151	7531.343	52169.430	117.597	99.0	0.583	24000	105127	1.11
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.147	8490.607	66168.844	145.112	101.8	0.547	9501	143411	1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.154	11016.425	105134.914			0.402	8557	244179	1.04
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.154	16172.786	196700.500			0.256	9005	445042	1.05

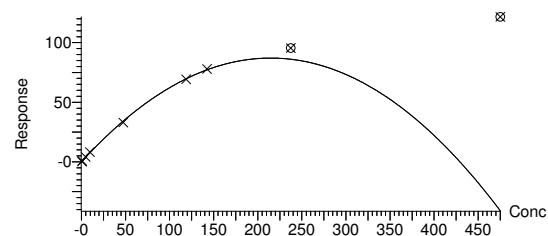
Compound name: 6:2FTS

Coefficient of Determination: $R^2 = 0.998705$

Calibration curve: $-0.00188986 * x^2 + 0.811287 * x$

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.154	7620.767	5244.259	7.748	77.5	0.688	1856		1.08
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.163	7797.159	5793.605	8.366	83.7	0.743	130134		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.151	8269.742	5686.892	7.743	77.4	0.688	1728		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.151	7629.751	5537.379	8.172	81.7	0.726	128419		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.160	7090.403	6923.649	10.995	109.9	0.976	3006		0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.154	7149.182	7531.343	11.861	118.6	1.053	173852		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.151	6324.697	8490.607	15.115	151.2	1.342	866		0.96
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.154	5696.930	11016.425	21.773	217.7	1.934	251479		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.154	5276.689	16172.786	34.510	345.1	3.065	3544		1.05

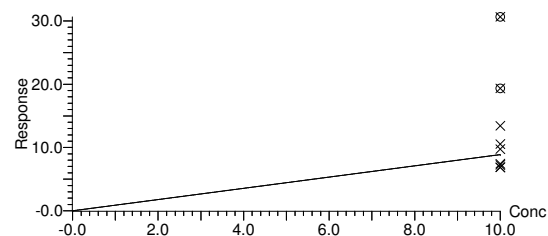
Compound name: M2-6:2FTS

Response Factor: 0.888146

RRF SD: 0.248037, % Relative SD: 27.9275

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.288	7863.209	144.360	0.279	58.7	0.387	221	10	0.78
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.288	8337.590	621.729	1.132	119.2	0.785	155	101	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.279	7856.718	2920.696	5.646	118.9	0.783	797	309	1.12
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.282	7611.157	5201.360	10.378	109.2	0.719	12	669	0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.288	7647.324	24823.602	49.296	103.8	0.683	4812	2802	1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.282	6866.474	51706.141	114.358	96.3	0.634	1116814	5891	1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.279	6560.688	65508.563	151.638	106.4	0.701	6932	3799	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.285	5910.273	99602.891	255.931	107.8	0.710	1917	10570	1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.285	5658.023	167009.734	448.266	94.4	0.621	17852	20289	1.15

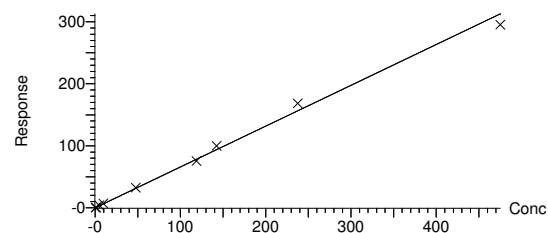
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.995952$

Calibration curve: $0.658478 \times x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.946	114401.953	4410.776	0.471	94.1	0.771	122	301	1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.950	113246.805	10939.968	1.179	117.9	0.966	299	51723	0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.941	112215.648	52307.785	5.690	113.8	0.932	1092	243154	1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.941	112653.875	90734.125	9.831	98.3	0.805	2463	708	1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.950	104182.664	434642.250	50.925	101.8	0.834	10328	7740	0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.946	94452.336	964953.875	124.705	99.8	0.817	30563	8818	0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.941	96585.883	1196780.250	151.249	100.8	0.826	30019	13273	1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.946	87852.000	1887084.875	262.199	104.9	0.859	40376	21285	1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.946	82060.539	3262201.750	485.252	97.1	0.795	81231	41203	1.06

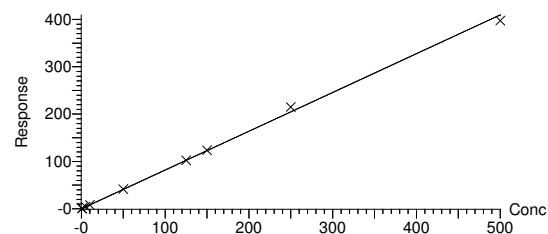
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.998884$

Calibration curve: $0.819236 * x$

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\11\18_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.946	117636.820	114401.953	10.101	101.0	0.973	16011		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.950	114802.125	113246.805	10.246	102.5	0.986	34666		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.941	113627.328	112215.648	10.258	102.6	0.988	11385		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.941	114891.016	112653.875	10.184	101.8	0.981	12874		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.946	107343.031	104182.664	10.081	100.8	0.971	6038		1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.941	101103.344	94452.336	9.703	97.0	0.934	462		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.941	97990.719	96585.883	10.238	102.4	0.986	2951		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.946	96048.547	87852.000	9.500	95.0	0.915	4214		1.00
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.946	87971.789	82060.539	9.689	96.9	0.933	8159		1.04

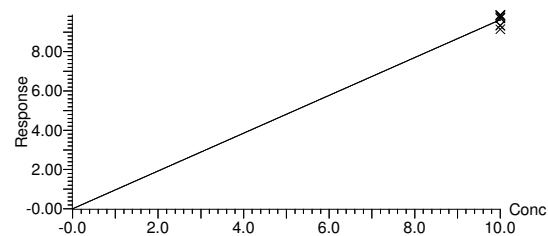
Compound name: M9PFNA

Response Factor: 0.962774

RRF SD: 0.0278357, % Relative SD: 2.89119

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.724	7863.209	63.022	0.062	61.5	0.801	1		4.31
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.809	8337.590	144.024	0.133	66.3	0.864	7	5	0.44
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.801	7856.718	1018.896	0.992	99.2	1.297	66	8	0.38
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.801	7611.157	1719.872	1.724	86.2	1.130	60	50	0.47
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.809	7647.324	9374.953	9.110	91.1	1.226	206	58	0.37
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.805	6866.474	23335.752	23.990	96.0	1.359	254	146	0.38
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.801	6560.688	28882.205	30.417	101.4	1.467	969	130741	0.41
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.809	5910.273	48275.703	52.590	105.2	1.634	1207	725	0.38
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.809	5658.023	99553.039	99.112	99.1	1.760	64	1430	0.39

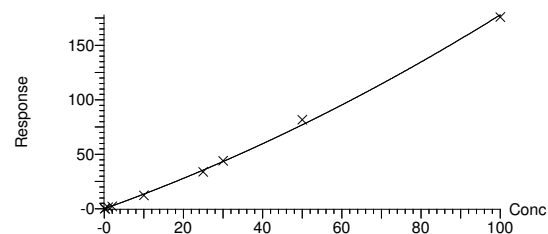
Compound name: br-PFOS

Coefficient of Determination: $R^2 = 0.998470$

Calibration curve: $0.0047735 * x^2 + 1.30214 * x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.0...	7863.209	210.105	0.272	74.6	0.732	7	5455	0.73
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.0...	8337.590	646.229	0.790	108.2	1.062	57	38	1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.993	7856.718	3141.077	4.074	111.6	1.095	356	84	0.93
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993	7611.157	5686.805	7.613	104.3	1.024	417	466	0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.997	7647.324	27678.270	36.880	101.0	0.992	1273	545	1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993	6866.474	58381.578	86.636	94.9	0.932	1365	1277	1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993	6560.688	73590.516	114.296	104.4	1.024	5274	1018150	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.997	5910.273	114601.617	197.579	108.3	1.062	5829	5448	1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.997	5658.023	193598.438	348.655	95.5	0.937	263	8522	1.08

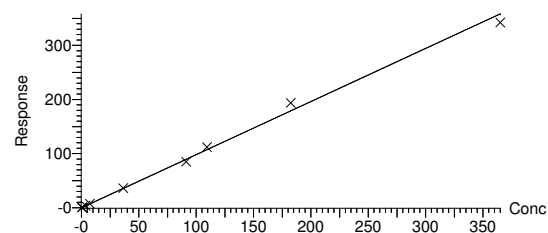
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.996780$

Calibration curve: $0.98139 \times x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		7863.209	273.127	0.334					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		8337.590	790.253	0.922					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		7856.718	4159.973	5.066					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		7611.157	7406.677	9.338					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7647.324	37053.223	45.990					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		6866.474	81717.330	110.626					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		6560.688	102472.721	144.713					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		5910.273	162877.320	250.169					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		5658.023	293151.477	447.767					

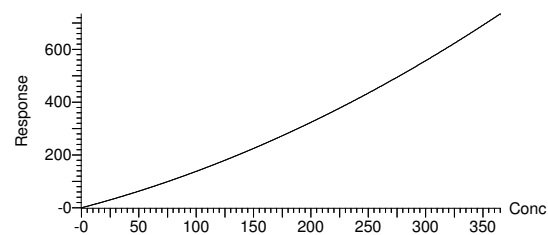
Compound name: PFOS

Coefficient of Determination: 0.000000

Calibration curve: $1.14177 * x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.997		7620.767	10.912	109.1	762.077	157037		0.93
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.0...		7797.159	11.164	111.6	779.716	167149		0.90
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.989		8269.742	11.841	118.4	826.974	177403		1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993		7629.751	10.925	109.2	762.975	159530		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.997		7090.403	10.152	101.5	709.040	146923		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993		7149.182	10.237	102.4	714.918	1645		1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993		6324.697	9.056	90.6	632.470	128909		0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.997		5696.930	8.157	81.6	569.693	1209		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.997		5276.689	7.555	75.6	527.669	101650		1.07

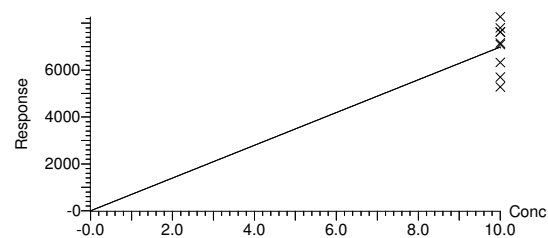
Compound name: M4PFOS

Response Factor: 698.392

RRF SD: 101.128, % Relative SD: 14.4802

Response type: External Std, Area

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.993	7620.767	7863.209	10.056	100.6	1.032	165326		1.01
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.998	7797.159	8337.590	10.421	104.2	1.069	174045		1.05
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.989	8269.742	7856.718	9.259	92.6	0.950	4400		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993	7629.751	7611.157	9.722	97.2	0.998	1249		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.998	7090.403	7647.324	10.511	105.1	1.079	1059		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993	7149.182	6866.474	9.360	93.6	0.960	317		1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993	6324.697	6560.688	10.109	101.1	1.037	667		0.91
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.998	5696.930	5910.273	10.111	101.1	1.037	412		0.96
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.998	5276.689	5658.023	10.450	104.5	1.072	376		1.04

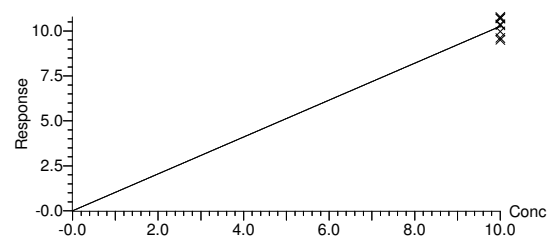
Compound name: M8PFOS

Response Factor: 1.02609

RRF SD: 0.0473585, % Relative SD: 4.61545

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	105486.805	4685.706	0.518	103.6	0.888	152	14	1.17
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	109985.242	9944.646	1.054	105.4	0.904	358	39777	1.15
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	104239.750	49945.277	5.585	111.7	0.958	1959	1493	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	101094.977	86872.859	10.017	100.2	0.859	2485	3214	0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	92826.750	409066.531	51.371	102.7	0.881	9042	2580	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	84901.406	877900.563	120.538	96.4	0.827	16762	6535	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	82198.586	1090370.000	154.634	103.1	0.884	26036	15544	1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	74923.039	1633247.125	254.115	101.6	0.872	18176	5568	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	66209.734	2803895.000	493.667	98.7	0.847	52614	17537	1.06

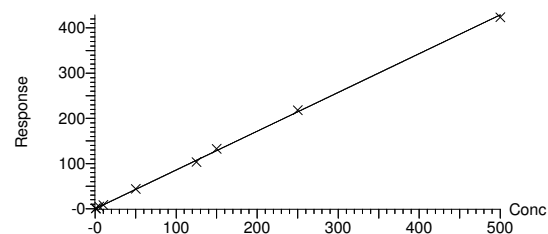
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999475$

Calibration curve: $0.857838 * x$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Quantify Compound Summary Report MassLynx V4.2 SCN977

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...		103829.906	11.760	117.6	10382.991	16120		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...		104230.492	11.805	118.1	10423.049	27028		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...		99527.453	11.273	112.7	9952.745	19482		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...		99233.398	11.239	112.4	9923.340	36690		0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...		89579.898	10.146	101.5	8957.990	34795		0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...		80832.117	9.155	91.6	8083.212	33177		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...		77816.188	8.814	88.1	7781.619	19275		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...		73446.680	8.319	83.2	7344.668	25437		0.99
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...		66126.813	7.490	74.9	6612.681	16215		1.03

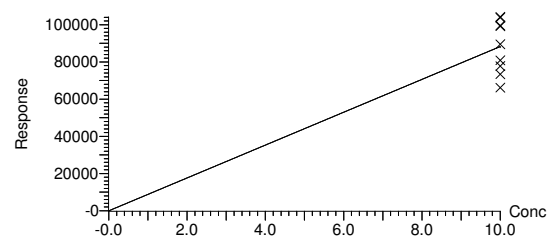
Compound name: M2PFDA

Response Factor: 8829.14

RRF SD: 1423.09, % Relative SD: 16.1181

Response type: External Std, Area

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	103829.906	105486.805	9.830	98.3	1.016	4853		1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	104230.492	109985.242	10.210	102.1	1.055	6939		1.06
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	99527.453	104239.750	10.134	101.3	1.047	6601		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	99233.398	101094.977	9.857	98.6	1.019	19676		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	89579.898	92826.750	10.027	100.3	1.036	15009		0.95
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	80832.117	84901.406	10.163	101.6	1.050	1747		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	77816.188	82198.586	10.221	102.2	1.056	7076		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	73446.680	74923.039	9.870	98.7	1.020	14482		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	66126.813	66209.734	9.688	96.9	1.001	3663		1.02

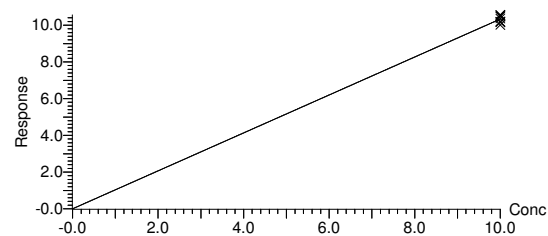
Compound name: M6PFDA

Response Factor: 1.0335

RRF SD: 0.0200603, % Relative SD: 1.94099

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	3535.170	206.802	0.538	112.0	1.219	54		1.30
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	3740.494	354.823	0.873	90.9	0.988	60		1.18
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	3681.261	2398.694	6.103	127.1	1.357	55942		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	3572.389	3723.282	9.890	103.0	1.086	88711		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	4282.424	17680.184	44.549	92.8	0.860	408290		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	4755.468	37557.445	124.992	104.2	0.658	855186		1.07
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	4958.818	47138.504			0.660	22817		1.11
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	6317.642	72996.211			0.481	5819		1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	8145.643	122449.109			0.313	4892		1.11

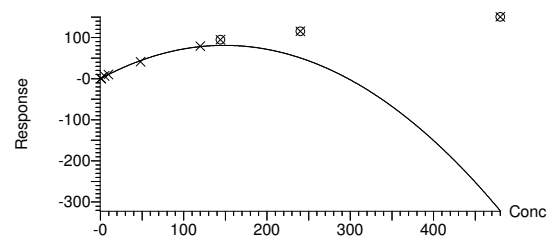
Compound name: 8:2FTS

Coefficient of Determination: $R^2 = 0.994263$

Calibration curve: $-0.00366564 * x^2 + 1.09004 * x$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	7620.767	3535.170	8.903	89.0	0.464	69325		1.02
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	7797.159	3740.494	9.207	92.1	0.480	291		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	8269.742	3681.261	8.544	85.4	0.445	405		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	7629.751	3572.389	8.987	89.9	0.468	1911		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	7090.403	4282.424	11.592	115.9	0.604	83195		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	7149.182	4755.468	12.767	127.7	0.665	891		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	6324.697	4958.818	15.048	150.5	0.784	100651		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	5696.930	6317.642	21.284	212.8	1.109	129365		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	5276.689	8145.643	29.628	296.3	1.544	164641		1.03

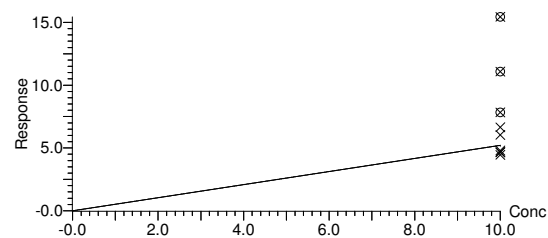
Compound name: M2-8:2FTS

Response Factor: 0.521022

RRF SD: 0.0907487, % Relative SD: 17.4175

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.6...	7863.209	306.160	0.419	87.2	0.811	12	8899	1.15
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.6...	8337.590	842.429	1.086	113.1	1.052	70	256	1.40
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.6...	7856.718	4373.127	5.984	124.7	1.160	2375	78894	0.92
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.6...	7611.157	7010.277	9.902	103.1	0.959	160780	136329	0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.6...	7647.324	34940.902	49.120	102.3	0.952	4532	1399	0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.6...	6866.474	74579.766	116.767	97.3	0.905	5435	9027	0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	6560.688	90355.602	148.060	102.8	0.956	27749	1627883	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.6...	5910.273	130020.867	236.503	98.5	0.917	17714	4054	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.6...	5658.023	212194.906	403.183	84.0	0.781	21595	23707	1.02

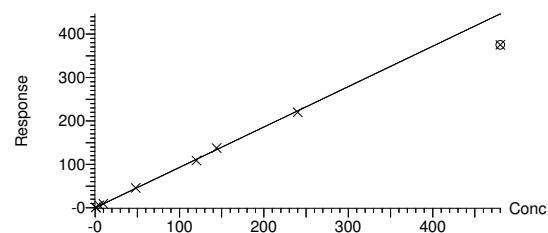
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998898$

Calibration curve: $0.930183 \times x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.9...	103829.906	9575.763	7.836	78.4	0.092	308		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.9...	104230.492	11161.044	9.098	91.0	0.107	219724		0.97
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.9...	99527.453	10155.847	8.669	86.7	0.102	3683		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.9...	99233.398	10699.074	9.160	91.6	0.108	1878		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.9...	89579.898	10035.015	9.518	95.2	0.112	566		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.9...	80832.117	9496.166	9.981	99.8	0.117	188703		0.98
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.9...	77816.188	9724.458	10.617	106.2	0.125	192845		0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.9...	73446.680	9845.680	11.389	113.9	0.134	2041		1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.9...	66126.813	10688.211	13.732	137.3	0.162	1840		0.99

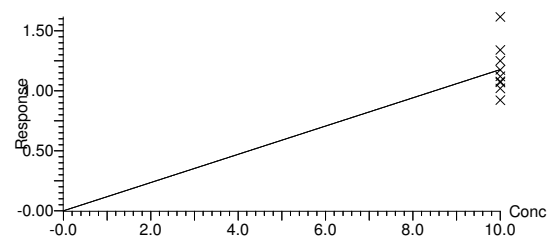
Compound name: d3-NMeFOSAA

Response Factor: 0.117702

RRF SD: 0.0205764, % Relative SD: 17.4818

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		9575.763						
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		11161.044						
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		10155.847						
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		10699.074						
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		10035.015						
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		9496.166						
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9724.458						
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		9845.680						
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		10688.211					2	

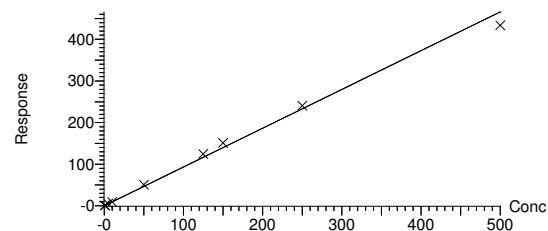
Compound name: L-NMeFOSAA

Coefficient of Determination: $R^2 = 0.995480$

Calibration curve: $0.931991 * x$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.9...	9575.763	324.541	0.364	72.7	0.678	7	22	1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.9...	11161.044	1166.739	1.122	112.2	1.045	17132	8	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.9...	10155.847	5530.176	5.843	116.9	1.089	1686	28880	1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.9...	10699.074	9818.126	9.846	98.5	0.918	2994	52535	0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.9...	10035.015	51048.320	54.582	109.2	1.017	2351	487	0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.9...	9496.166	118338.813	133.711	107.0	0.997	4519	15054	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.9...	9724.458	146964.844	162.157	108.1	1.008	4558	447	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.9...	9845.680	236955.250	258.231	103.3	0.963	7059	10078	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.9...	10688.211	463842.188	465.644	93.1	0.868	11998	6925	0.96

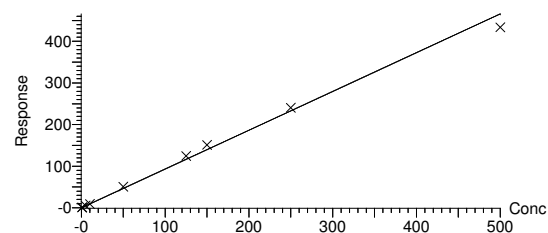
Compound name: L-NMeFOSAA

Coefficient of Determination: $R^2 = 0.995480$

Calibration curve: $0.931991 * x$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		9575.763	324.541	0.364					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		11161.044	1166.739	1.122					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		10155.847	5530.176	5.843					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		10699.074	9818.126	9.846					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		10035.015	51048.320	54.582					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		9496.166	118338.813	133.711					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9724.458	146964.844	162.157					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		9845.680	236955.250	258.231					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		10688.211	463842.188	465.644					

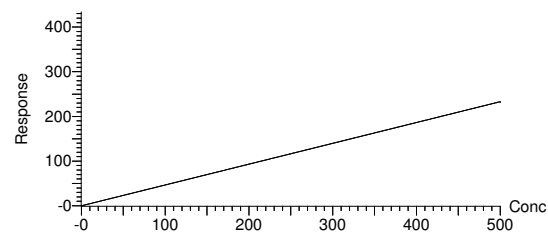
Compound name: NMeFOSAA

Coefficient of Determination: 0.000000

Calibration curve: $0.465995 \times x$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.117	101992.055	4611.769	0.473	94.6	0.904	115	10041	1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.122	101388.047	10026.410	1.034	103.4	0.989	330	35178	1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.117	97997.672	51117.012	5.455	109.1	1.043	1178	398	0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.112	93371.281	88904.188	9.957	99.6	0.952	2037	251288	1.07
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.117	82849.375	396062.781	49.990	100.0	0.956	10506	24547	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.112	71788.461	824707.938	120.130	96.1	0.919	19883	2311444	1.09
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.112	69882.930	1013266.063	151.620	101.1	0.967	26453	21061	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.112	61087.184	1508727.250	258.265	103.3	0.988	32170	8460	1.09
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.112	54794.387	2591577.000	494.577	98.9	0.946	37276	9772	1.14

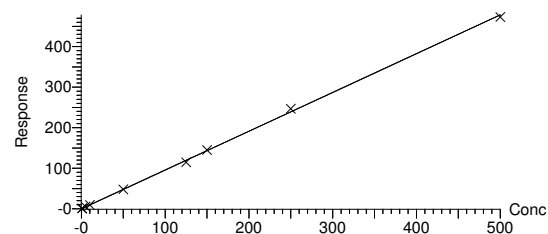
Compound name: PFUnA

Coefficient of Determination: $R^2 = 0.999453$

Calibration curve: $0.956301 * x$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.118	103829.906	101992.055	10.713	107.1	0.982	3734		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.123	104230.492	101388.047	10.609	106.1	0.973	6468		1.03
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.113	99527.453	97997.672	10.739	107.4	0.985	3765		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.113	99233.398	93371.281	10.262	102.6	0.941	16231		1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.118	89579.898	82849.375	10.087	100.9	0.925	5955		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.113	80832.117	71788.461	9.686	96.9	0.888	1384858		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.113	77816.188	69882.930	9.795	97.9	0.898	2851		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.113	73446.680	61087.184	9.071	90.7	0.832	2216		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.113	66126.813	54794.387	9.037	90.4	0.829	2563		1.08

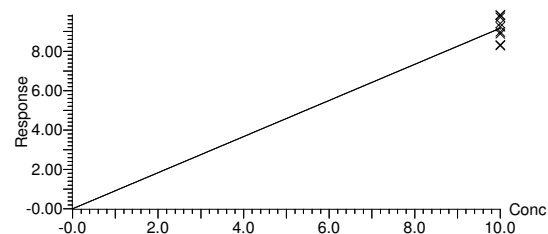
Compound name: M7-PFUDA

Response Factor: 0.916885

RRF SD: 0.0600555, % Relative SD: 6.54995

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.123	7863.209	242.685	0.464	96.2	0.640	5894	6	1.58
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.133	8337.590	482.343	0.870	90.2	0.599	35	132	1.25
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.128	7856.718	3124.329	5.981	124.0	0.824	73500	81546	0.97
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.123	7611.157	5332.887	10.538	109.2	0.726	124985	1343	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.128	7647.324	25123.271	49.411	102.4	0.681	1473	1913	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.123	6866.474	51137.266	112.012	92.9	0.617	44971	2446	1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.123	6560.688	65178.430	149.422	103.2	0.686	3491	1062	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.123	5910.273	95134.438	242.098	100.4	0.667	7675	3091	1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.128	5658.023	148916.188	395.857	82.0	0.545	9282	21096	1.02

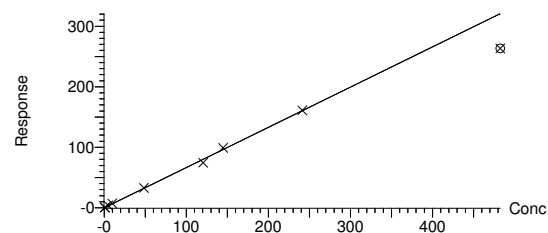
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.997891$

Calibration curve: $0.664874 * x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.011	22949.115	942.301	0.386	77.3	0.821	22594		0.94
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.011	22475.113	2798.189	1.172	117.2	1.245	908		1.21
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.006	22388.170	12992.135	5.461	109.2	1.161	2604	22	1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.006	23068.303	23946.777	9.769	97.7	1.038	7062	25	1.02
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.011	21401.279	116432.289	51.200	102.4	1.088	4222	115	1.06
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.005	20660.598	264460.531	120.464	96.4	1.024	8490	57	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.006	21330.230	333811.938	147.280	98.2	1.043	9509	58640	1.08
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.010	19354.936	535815.375	260.532	104.2	1.107	9601	143	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.010	18051.570	949921.375	495.235	99.0	1.052	9851	157929	1.11

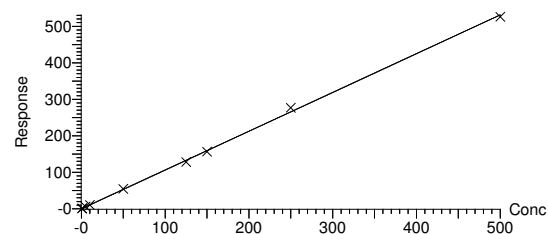
Compound name: FOSA

Coefficient of Determination: $R^2 = 0.999218$

Calibration curve: $1.06258 * x$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.006	103829.906	22949.115	9.045	90.5	0.221	1034		1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.011	104230.492	22475.113	8.824	88.2	0.216	3033		1.03
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.006	99527.453	22388.170	9.206	92.1	0.225	1670		0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.006	99233.398	23068.303	9.513	95.1	0.232	946		1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.011	89579.898	21401.279	9.777	97.8	0.239	1986		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.006	80832.117	20660.598	10.460	104.6	0.256	872		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.006	77816.188	21330.230	11.218	112.2	0.274	4434		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.006	73446.680	19354.936	10.784	107.8	0.264	361072		1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.011	66126.813	18051.570	11.172	111.7	0.273	4636		1.06

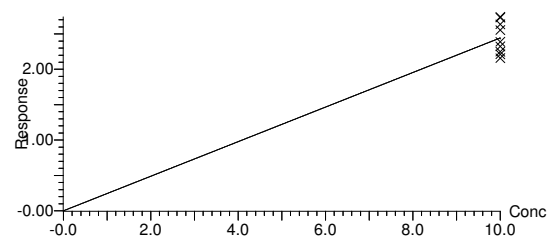
Compound name: M8FOSA

Response Factor: 0.244354

RRF SD: 0.0226829, % Relative SD: 9.28279

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.248	103829.906	8483.435	7.858	78.6	0.082	1030		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.252	104230.492	9857.291	9.096	91.0	0.095	3828		1.05
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.243	99527.453	9136.918	8.829	88.3	0.092	1068		1.15
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.243	99233.398	9223.351	8.939	89.4	0.093	1583		1.06
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.248	89579.898	7892.435	8.474	84.7	0.088	178651		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.243	80832.117	8802.899	10.474	104.7	0.109	1769		1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.243	77816.188	9185.745	11.353	113.5	0.118	1731		1.10
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.243	73446.680	8969.788	11.746	117.5	0.122	710		1.10
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.248	66126.813	9096.541	13.230	132.3	0.138	693		1.08

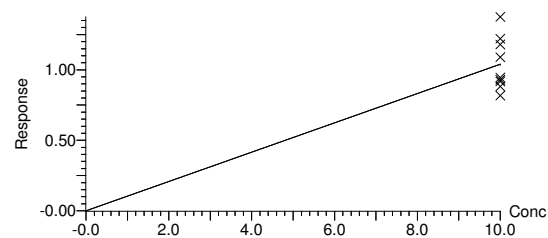
Compound name: d5-NEtFOSAA

Response Factor: 0.103974

RRF SD: 0.0186608, % Relative SD: 17.9476

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		8483.435						
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		9857.291						
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		9136.918						
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		9223.351						
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7892.435						
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		8802.899						
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9185.745					3	
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		8969.788					2	
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		9096.541						

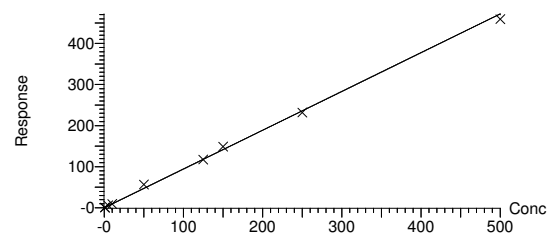
Compound name: L-NEtFOSAA

Coefficient of Determination: $R^2 = 0.997234$

Calibration curve: $0.944028 * x$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.257	8483.435	426.209	0.532	106.4	1.005	62	2747	0.87
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.262	9857.291	836.497	0.899	89.9	0.849	34	8746	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.252	9136.918	5153.751	5.975	119.5	1.128	1752	345	1.16
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.252	9223.351	8885.692	10.205	102.1	0.963	687	385	0.95
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.257	7892.435	44566.316	59.815	119.6	1.129	1964	400594	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.252	8802.899	103539.305	124.593	99.7	0.941	4441	1784	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.252	9185.745	136568.641	157.490	105.0	0.991	5806	2187	1.02
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.252	8969.788	207895.938	245.516	98.2	0.927	6928	3432	1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.252	9096.541	417755.188	486.475	97.3	0.918	10854	4433	1.14

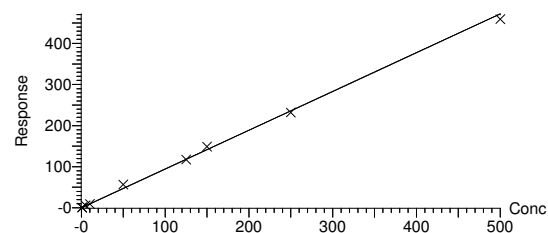
Compound name: L-NEtFOSAA

Coefficient of Determination: $R^2 = 0.997234$

Calibration curve: $0.944028 * x$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		8483.435	426.209	0.532					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		9857.291	836.497	0.899					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		9136.918	5153.751	5.975					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		9223.351	8885.692	10.205					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7892.435	44566.316	59.815					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		8802.899	103539.305	124.593					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9185.745	136568.641	157.490					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		8969.788	207895.938	245.516					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		9096.541	417755.188	486.475					

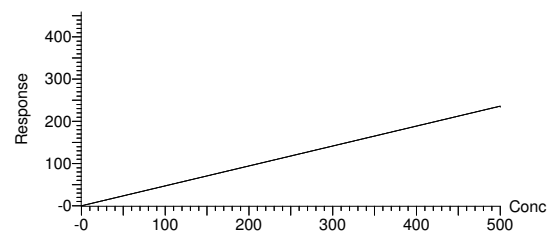
Compound name: NEtFOSAA

Coefficient of Determination: 0.000000

Calibration curve: $0.472014 \cdot x$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.593	103376.742	4841.695	0.553	110.6	0.937	139	7515	1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.598	103352.375	9531.423	1.089	108.9	0.922	278	18864	0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.589	103349.367	48924.336	5.589	111.8	0.947	1385	869	1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.589	96274.898	85750.094	10.516	105.2	0.891	2452	3838	0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.589	95651.234	409028.406	50.488	101.0	0.855	11691	724138	1.11
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.585	81334.875	888518.938	128.977	103.2	0.874	14901	1941	1.06
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.585	83380.609	1093507.375	154.839	103.2	0.874	23865	8361	1.09
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.585	76995.367	1677289.500	257.198	102.9	0.871	31976	13513	1.09
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.585	70623.688	2884692.250	482.251	96.5	0.817	56108	4560	1.12

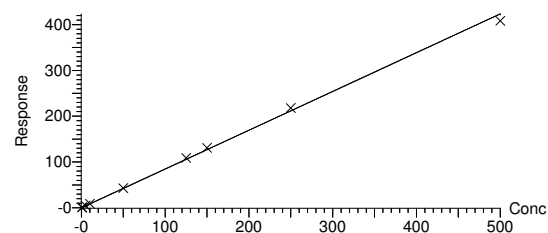
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.998842$

Calibration curve: $0.846986 * x$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.594	103829.906	103376.742	9.679	96.8	0.996	4969		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.598	104230.492	103352.375	9.640	96.4	0.992	8544		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.589	99527.453	103349.367	10.095	101.0	1.038	5335		1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.589	99233.398	96274.898	9.432	94.3	0.970	5623		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.589	89579.898	95651.234	10.381	103.8	1.068	6934		1.08
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.585	80832.117	81334.875	9.782	97.8	1.006	4941		1.02
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.585	77816.188	83380.609	10.417	104.2	1.072	6682		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.585	73446.680	76995.367	10.191	101.9	1.048	1088		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.585	66126.813	70623.688	10.383	103.8	1.068	5402		1.08

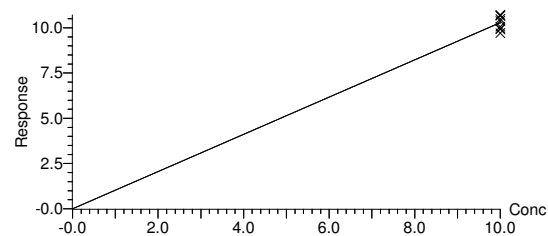
Compound name: MPFDOA

Response Factor: 1.02862

RRF SD: 0.0383792, % Relative SD: 3.73112

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFTTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.0...	103376.742	3858.038	0.548	109.5	0.746	123	39	1.09
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.0...	103352.375	8870.826	1.260	126.0	0.858	278	40	0.93
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.0...	103349.367	40715.777	5.800	116.0	0.788	999	458	0.90
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.0...	96274.898	69474.719	10.654	106.5	0.722	2464	783	0.90
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.0...	95651.234	320247.500	50.655	101.3	0.670	7284	2277	0.97
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.0...	81334.875	612946.750	119.054	95.2	0.603	13464	3496	0.91
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.0...	83380.609	780708.688	151.037	100.7	0.624	17843	4869	0.94
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.0...	76995.367	1125203.250	252.665	101.1	0.585	24166	5063	0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.0...	70623.688	1976668.125	730.913	146.2	0.560	38522	10063	0.97

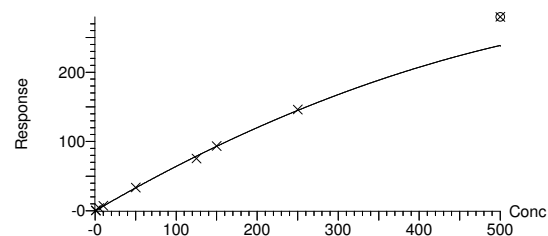
Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.998963$

Calibration curve: $-0.000408704 * x^2 + 0.681656 * x$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.3...	84304.094	3678.555	0.545	109.0	0.873	142	38	1.09
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.3...	83480.063	7615.251	1.139	113.9	0.912	284	23020	1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.3...	79194.773	35875.270	5.657	113.1	0.906	1214	612	1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.3...	75865.328	63347.266	10.427	104.3	0.835	2110	173581	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.3...	73974.609	294391.063	49.694	99.4	0.796	7502	4351	1.12
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.3...	66841.781	649347.938	121.308	97.0	0.777	20638	2554	1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.3...	65493.922	832831.875	158.787	105.9	0.848	20542	10693	1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.3...	60380.074	1254325.750	259.404	103.8	0.831	29832	9847	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.3...	57111.117	2216106.000	484.540	96.9	0.776	46140	13707	1.12

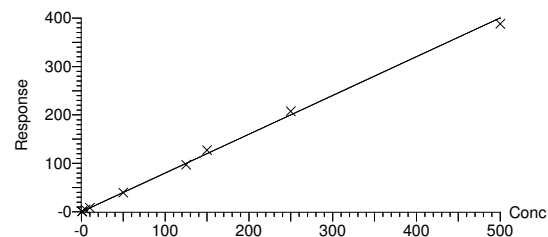
Compound name: PFTA

Coefficient of Determination: $R^2 = 0.998513$

Calibration curve: $0.80083 \times x$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.3...	103829.906	84304.094	9.938	99.4	0.812	5616		1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.3...	104230.492	83480.063	9.803	98.0	0.801	11763		1.11
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.3...	99527.453	79194.773	9.739	97.4	0.796	8009		1.09
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.3...	99233.398	75865.328	9.357	93.6	0.765	3451		1.10
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.3...	89579.898	73974.609	10.107	101.1	0.826	4377		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.3...	80832.117	66841.781	10.121	101.2	0.827	1339		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.3...	77816.188	65493.922	10.301	103.0	0.842	18247		1.08
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.3...	73446.680	60380.074	10.062	100.6	0.822	11843		1.06
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.3...	66126.813	57111.117	10.571	105.7	0.864	13106		1.10

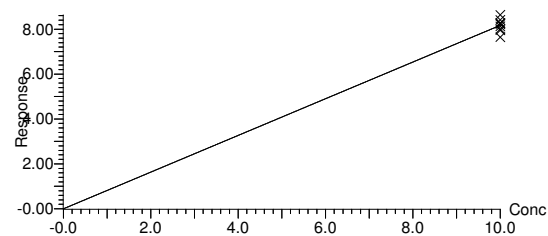
Compound name: M2PFTEDA

Response Factor: 0.817023

RRF SD: 0.0284579, % Relative SD: 3.48313

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.426	117636.820	3251.888	64.481	32.2	0.001	973		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.436	114802.125	3469.083	70.486	35.2	0.002	70952		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.423	113627.328	3737.527	76.726	38.4	0.002	93		0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.423	114891.016	4822.583	97.911	49.0	0.002	99973		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.417	107343.031	8242.578	179.113	89.6	0.004	5169		1.10
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.403	101103.344	11428.816	263.678	131.8	0.006	222317		1.18
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.403	97990.719	12096.718	287.953	144.0	0.006	228130		1.17
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.393	96048.547	14124.396	343.019	171.5	0.007	244179		1.27
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.371	87971.789	15712.972	416.633	208.3	0.009	984		1.69

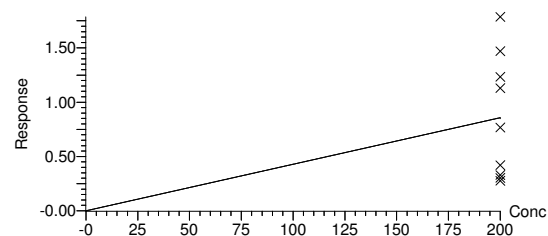
Compound name: M3HFPO-DA

Response Factor: 0.00428708

RRF SD: 0.00283937, % Relative SD: 66.2309

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.427	3251.888	238.749	8.842	88.4	1.468	3	1148	0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.444	3469.083	409.914	14.231	71.2	1.182	9322	19	0.72
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.424	3737.527	3728.507	120.149	120.1	1.995	2114	27395	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.421	4822.583	8056.205	201.196	100.6	1.671	1404	69032	1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.418	8242.578	69989.242	1022.673	102.3	1.698	1569559	571683	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.405	11428.816	264458.719	2786.926	111.5	1.851	45709	2048472	1.17
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.405	12096.718	306093.281	3047.579	101.6	1.687	23988	18756	1.20
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.391	14124.396	593297.063	5059.075	101.2	1.680	210742	3997418	1.44
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.372	15712.972	1248449.625	9569.328	95.7	1.589	77760	7046169	1.78

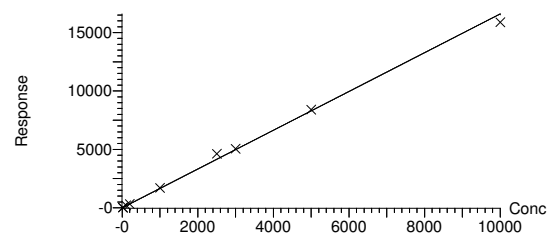
Compound name: HFPO-DA

Coefficient of Determination: $R^2 = 0.997230$

Calibration curve: $1.66059 \times x$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.437	114742.953	6287.492	0.417	88.1	1.158	1172		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.447	115929.242	15121.663	0.992	104.9	1.379	2464		1.02
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.433	112562.227	76970.492	5.201	109.9	1.445	2596		1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.433	109470.945	142938.625	9.932	105.0	1.380	10601		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.440	106781.555	687811.313	48.997	103.6	1.362	19504		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.433	98244.656	1641867.125	127.123	107.5	1.413	55292		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.433	98053.172	1853079.125	143.757	101.3	1.332	72891		1.02
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.437	90653.047	2918572.000	244.897	103.5	1.361	74345		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.433	85048.031	5047635.000	451.460	95.4	1.255	47725		1.09

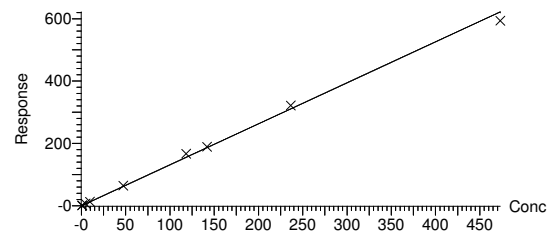
Compound name: ADONA

Coefficient of Determination: $R^2 = 0.997914$

Calibration curve: $1.31463 \times x$

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.7...	18213.158	3366.715	0.503	100.6	3.697	505		1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.7...	17328.859	6644.953	1.044	104.4	3.835	928		1.21
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.7...	16612.740	31167.045	5.116	102.3	3.752	3623		1.30
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.7...	19278.168	56900.813	8.061	80.6	2.952	6732		1.20
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.7...	15306.165	269633.094	49.164	98.3	3.523	29792		1.14
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.7...	13694.694	578244.250	122.629	98.1	3.378	52689		1.26
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.7...	13524.559	689195.813	150.297	100.2	3.397	73549		1.18
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.7...	12594.792	1043086.625	260.356	104.1	3.313	94086		1.22
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.7...	11692.363	1578940.250	493.304	98.7	2.701	166713		1.17

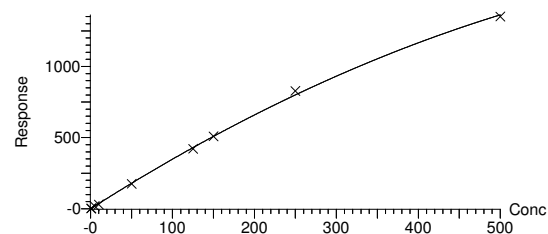
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999095$

Calibration curve: $-0.00190397 * x^2 + 3.6767 * x$

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.9...	18213.158	1986.248	0.405	81.0	2.181	233		0.97
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.9...	17328.859	4022.923	0.862	86.2	2.322	398		1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.9...	16612.740	20393.104	4.568	91.4	2.455	1868		1.12
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.9...	19278.168	38946.125	7.529	75.3	2.020	3365		1.16
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.9...	15306.165	185708.469	46.110	92.2	2.427	18932		1.21
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.9...	13694.694	447829.469	129.854	103.9	2.616	34969		0.96
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.9...	13524.559	517897.969	154.059	102.7	2.553	44245		1.09
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.9...	12594.792	747346.625	252.158	100.9	2.374	68089		1.14
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.9...	11692.363	1172348.500	495.065	99.0	2.005	1863		1.27

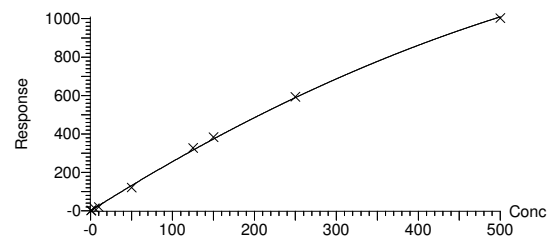
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998424$

Calibration curve: $-0.00134983 * x^2 + 2.69357 * x$

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.7...	103829.906	18213.158	10.086	100.9	0.175	5928		1.19
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.7...	104230.492	17328.859	9.560	95.6	0.166	22620		1.19
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.7...	99527.453	16612.740	9.598	96.0	0.167	4836		1.15
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.7...	99233.398	19278.168	11.170	111.7	0.194	15355		1.24
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.7...	89579.898	15306.165	9.825	98.2	0.171	2825		1.12
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.7...	80832.117	13694.694	9.742	97.4	0.169	7300		1.26
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.7...	77816.188	13524.559	9.993	99.9	0.174	28		1.16
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.7...	73446.680	12594.792	9.860	98.6	0.171	7852		1.17
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.7...	66126.813	11692.363	10.167	101.7	0.177	2573		1.22

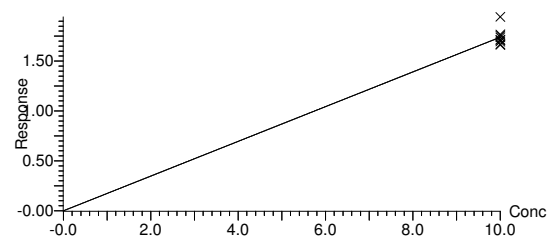
Compound name: M2PFHxDA

Response Factor: 0.173916

RRF SD: 0.00842697, % Relative SD: 4.84542

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.997	7863.209	278.948	0.523	104.7	0.710	93	30	0.75
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.0...	8337.590	611.248	1.082	108.2	0.733	11908	94	0.73
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.993	7856.718	2929.418	5.501	110.0	0.746	52599	28916	0.85
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.993	7611.157	5766.223	11.178	111.8	0.758	103350	54427	0.80
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.997	7647.324	28014.129	54.048	108.1	0.733	402	416	0.78
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.989	6866.474	58473.602	125.644	100.5	0.681	3172	1156	0.85
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.989	6560.688	69331.211	155.917	103.9	0.705	8238	1521	0.87
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.989	5910.273	95180.961	237.606	95.0	0.644	9536	5126	0.87
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.989	5658.023	148644.109	387.613	77.5	0.525	9737	3816	0.88

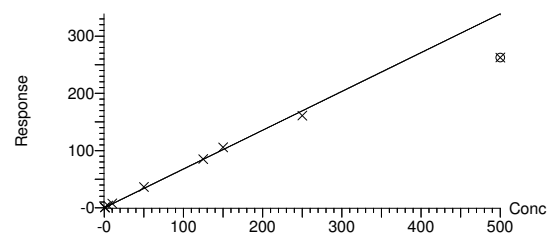
Compound name: PFDoS

Coefficient of Determination: $R^2 = 0.997593$

Calibration curve: $0.677774 * x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.610	3535.170	161.659	0.438	90.9	0.949	4		0.93
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.615	3740.494	464.091	1.191	123.5	1.287	92		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.602	3681.261	2106.882	5.561	115.4	1.187	40717		0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.602	3572.389	3399.108	9.346	96.9	0.987	152		1.02
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.606	4282.424	18204.355	46.805	97.1	0.882	2155		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.602	4755.468	39855.957	121.752	101.0	0.696	749660		0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.602	4958.818	47687.137			0.665	638		0.97
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.602	6317.642	73627.555			0.484	1060		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.602	8145.643	120840.695			0.308	46485		0.98

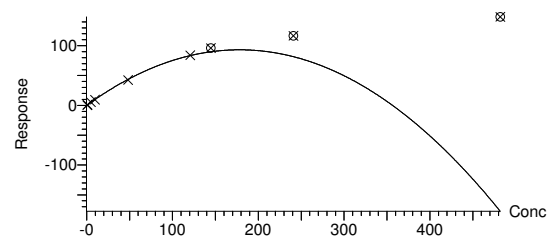
Compound name: 10:2FTS

Coefficient of Determination: $R^2 = 0.997942$

Calibration curve: $-0.00293343 * x^2 + 1.04552 * x$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.3...	7863.209	2189.338	0.424	90.9	5.975	105		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.3...	8337.590	4366.216	0.797	85.5	5.619	164		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.3...	7856.718	25231.883	4.887	104.9	6.892	1198		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.3...	7611.157	47425.988	9.481	101.7	6.686	2295		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.3...	7647.324	237445.078	47.245	101.4	6.663	14849		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.3...	6866.474	556615.500	123.346	105.9	6.958	24367		1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.3...	6560.688	635029.375	147.281	105.4	6.924	29977		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.3...	5910.273	962077.688	247.688	106.3	6.986	41908		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.3...	5658.023	1621731.250	436.130	93.6	6.151	51120		1.03

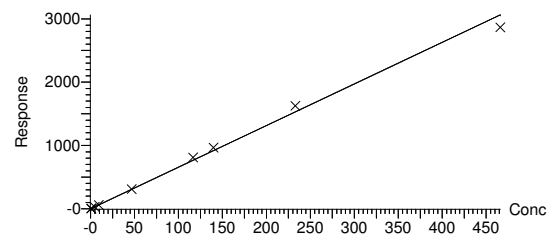
Compound name: 9CL-PF3ONS

Coefficient of Determination: $R^2 = 0.996306$

Calibration curve: $6.57201 \times x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

Lab Number : L2002747
 Project Number : 2182207
 Ical Ref : ICAL16305

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: 11CL-PFOuS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.388	7863.209	1756.393	0.403	85.6	4.742	25984		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.393	8337.590	4417.228	0.956	101.5	5.624	65545		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.383	7856.718	21642.189	4.972	105.6	5.848	2548		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.383	7611.157	39059.797	9.263	98.3	5.448	8974		1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.388	7647.324	200296.078	47.274	100.4	5.561	12642		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.383	6866.474	466932.875	122.738	104.2	5.775	9285		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.383	6560.688	542068.938	149.130	105.5	5.847	21115		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.383	5910.273	830742.500	253.699	107.7	5.969	41063		1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.388	5658.023	1378541.500	439.759	93.4	5.173	33235		0.96

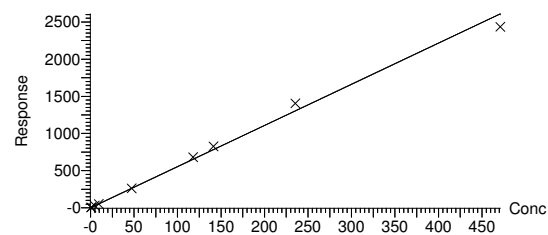
Compound name: 11CL-PFOuS

Coefficient of Determination: $R^2 = 0.995887$

Calibration curve: $5.5404 * x$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.628	10818.715	384.162	0.478	95.6	0.710	125	68	0.95
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.624	10918.389	820.677	1.011	101.1	0.752	195	9328	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.620	10805.029	4555.991	5.673	113.5	0.843	1070	53071	1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.620	11452.094	8668.560	10.184	101.8	0.757	527	1214	1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.624	11659.144	45476.523	52.480	105.0	0.780	2752	2221	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.620	10937.316	110688.570	136.165	108.9	0.810	4013	2943	1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.624	10578.706	126611.172	161.032	107.4	0.798	3996	2301	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.624	10789.468	204880.891	255.491	102.2	0.760	6232	5461	1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.628	10956.525	381907.094	468.985	93.8	0.697	6666	9403	0.99

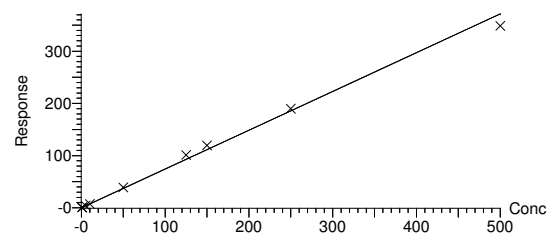
Compound name: NMeFOSA

Coefficient of Determination: $R^2 = 0.996194$

Calibration curve: $0.743235 * x$

Response type: Internal Std (Ref 69), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.616	103829.906	10818.715	8.176	81.8	0.104	981		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.620	104230.492	10918.389	8.220	82.2	0.105	418		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.612	99527.453	10805.029	8.519	85.2	0.109	789		1.08
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.616	99233.398	11452.094	9.056	90.6	0.115	1426		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.620	89579.898	11659.144	10.213	102.1	0.130	1008		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.616	80832.117	10937.316	10.618	106.2	0.135	479		0.98
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.616	77816.188	10578.706	10.668	106.7	0.136	2667		0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.616	73446.680	10789.468	11.528	115.3	0.147	813		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.620	66126.813	10956.525	13.002	130.0	0.166	989		1.02

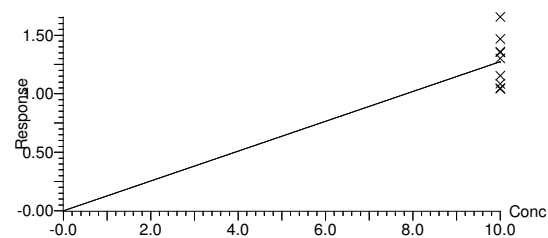
Compound name: d3-NMeFOSA

Response Factor: 0.127435

RRF SD: 0.0210344, % Relative SD: 16.5059

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.916	11992.311	291.889	0.278	55.6	0.487	35	8	1.23
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.924	10513.078	950.658	1.032	103.2	0.904	16167	2464	1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.920	10840.465	4897.970	5.157	103.1	0.904	826	162	1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.920	11690.228	9820.464	9.587	95.9	0.840	1432	25080	1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.924	10655.923	49116.805	52.606	105.2	0.922	2351	562	1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.920	10271.625	119958.141	133.286	106.6	0.934	4025	1054	1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.920	10793.446	142438.000	150.612	100.4	0.880	5314	4771	1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.920	10700.851	228133.797	243.312	97.3	0.853	6235	1669	1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.924	9807.835	425931.281	495.631	99.1	0.869	10705	3724	1.00

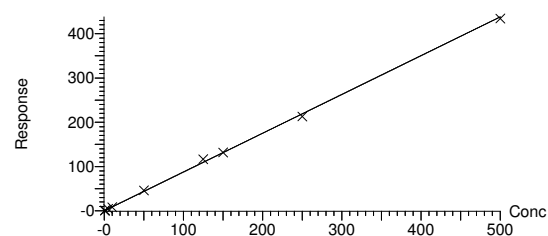
Compound name: NEtFOSA

Coefficient of Determination: $R^2 = 0.999041$

Calibration curve: $0.876209 \times x$

Response type: Internal Std (Ref 71), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.912	103829.906	11992.311	9.266	92.7	0.115	896		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.916	104230.492	10513.078	8.092	80.9	0.101	343		1.01
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.912	99527.453	10840.465	8.738	87.4	0.109	567		0.95
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.912	99233.398	11690.228	9.451	94.5	0.118	1110		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.912	89579.898	10655.923	9.543	95.4	0.119	1698		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.908	80832.117	10271.625	10.195	101.9	0.127	780		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.908	77816.188	10793.446	11.128	111.3	0.139	283		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.912	73446.680	10700.851	11.689	116.9	0.146	396		0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.912	66126.813	9807.835	11.899	119.0	0.148	2196		1.03

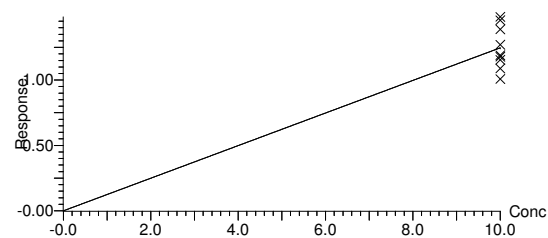
Compound name: d5-NEtFOSA

Response Factor: 0.124648

RRF SD: 0.0165181, % Relative SD: 13.2517

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.627	6181.065	439.839	0.352	70.4	1.423	42		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.631	5601.364	847.873	0.748	74.8	1.514	70		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.623	5583.996	5940.177	5.259	105.2	2.128	542		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.623	5732.216	10782.405	9.298	93.0	1.881	746		1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.627	5433.837	54087.008	49.204	98.4	1.991	2768		1.01
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.623	4843.435	128959.344	131.619	105.3	2.130	2932		1.02
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.623	4724.134	153741.500	160.875	107.2	2.170	6049		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.627	4616.492	245769.922	263.169	105.3	2.129	9707		1.00
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.631	4357.240	415137.313	470.976	94.2	1.906	5246		0.97

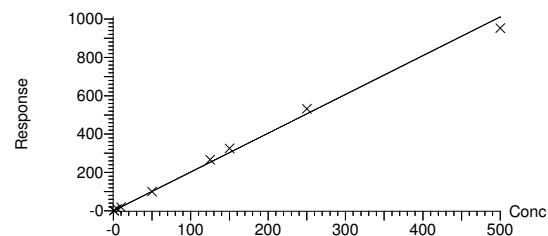
Compound name: NMeFOSE

Coefficient of Determination: $R^2 = 0.996553$

Calibration curve: $2.02293 \times x$

Response type: Internal Std (Ref 73), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.610	103829.906	6181.065	9.974	99.7	0.060	246		1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.610	104230.492	5601.364	9.004	90.0	0.054	196		1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.606	99527.453	5583.996	9.400	94.0	0.056	229		1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.606	99233.398	5732.216	9.678	96.8	0.058	271		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.610	89579.898	5433.837	10.163	101.6	0.061	271		1.06
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.606	80832.117	4843.435	10.039	100.4	0.060	248		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.606	77816.188	4724.134	10.171	101.7	0.061	201		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.610	73446.680	4616.492	10.531	105.3	0.063	294		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.610	66126.813	4357.240	11.040	110.4	0.066	262		1.07

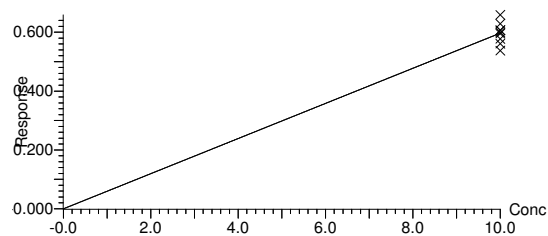
Compound name: d7-NMeFOSE

Response Factor: 0.0596862

RRF SD: 0.00357941, % Relative SD: 5.99705

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...)	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.913	3594.417	567.950	0.400	80.1	3.160	9582		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.913	3264.972	1238.596	0.961	96.1	3.794	19982		1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.909	3288.860	6476.007	4.988	99.8	3.938	750		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.909	3120.817	12372.700	10.043	100.4	3.965	783		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.913	2782.245	65148.242	59.318	118.6	4.683	2943		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.909	3094.809	148854.578	121.844	97.5	3.848	4737		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.909	3077.430	178591.047	147.011	98.0	3.869	6366		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.909	2927.529	285368.000	246.934	98.8	3.899	5042		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.909	3114.293	502556.594	408.793	81.8	3.227	14003		1.06

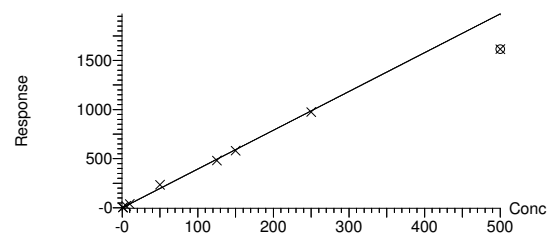
Compound name: NEtFOSE

Coefficient of Determination: $R^2 = 0.996634$

Calibration curve: $3.9475 * x$

Response type: Internal Std (Ref 75), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary

Form 6

Semivolatiles

Client : LaBella Associates, P.C. Lab Number : L2002747
 Project Name : FORMER WOLLENSACK OPTICAL Project Number : 2182207
 Instrument ID : LCMS02 Ical Ref : ICAL16305
 Calibration dates : 11/18/19 10:24 11/18/19 12:49

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Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.893	103829.906	3594.417	9.920	99.2	0.035	301		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.897	104230.492	3264.972	8.976	89.8	0.031	178		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.889	99527.453	3288.860	9.469	94.7	0.033	211		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.893	99233.398	3120.817	9.012	90.1	0.031	173		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.893	89579.898	2782.245	8.900	89.0	0.031	135		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.889	80832.117	3094.809	10.971	109.7	0.038	197		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.893	77816.188	3077.430	11.332	113.3	0.040	198		0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.889	73446.680	2927.529	11.421	114.2	0.040	137		1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.893	66126.813	3114.293	13.495	135.0	0.047	162		1.01

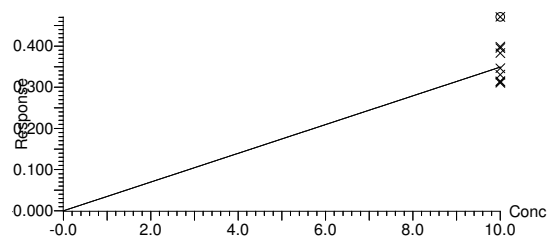
Compound name: d9-NEtFOSE

Response Factor: 0.0348987

RRF SD: 0.00379155, % Relative SD: 10.8645

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.202	52425.441	2022.401	0.462	92.4	0.772	427		0.85
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.235	52304.957	4649.223	1.065	106.5	0.889	1276		0.88
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.197	52211.477	24281.963	5.570	111.4	0.930	3246		0.84
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.197	51444.141	42612.859	9.920	99.2	0.828	10768		0.86
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.197	50772.324	211671.219	49.930	99.9	0.834	135752		0.86
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.197	48226.301	497630.500	123.580	98.9	0.825	40939		0.81
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.197	49131.746	626725.063	152.770	101.8	0.850	74744		0.79
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.197	48443.484	1053096.500	260.349	104.1	0.870	107293		0.74
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.202	48827.039	1988962.500	487.854	97.6	0.815	207926		0.63

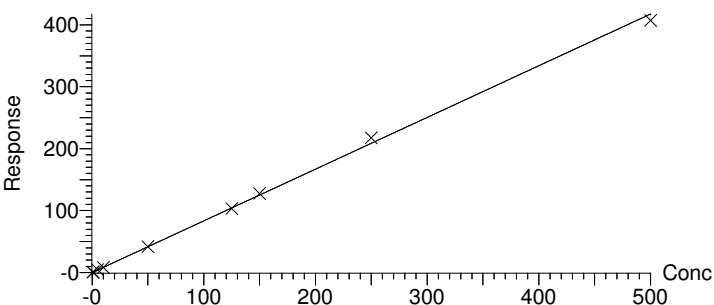
Compound name: PFBA

Coefficient of Determination: R² = 0.999191

Calibration curve: 0.83498 * x

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

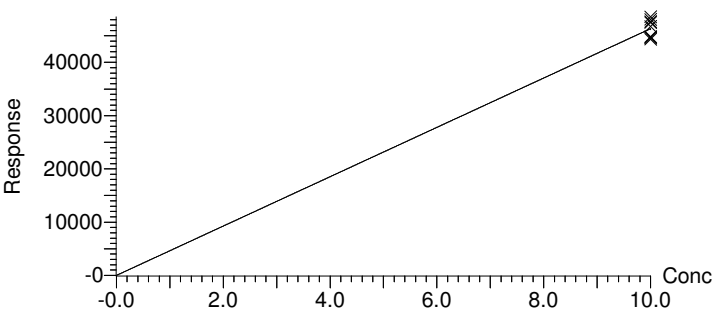
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.198		48556.770	10.479	104.8	4855.677	17539		0.88
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.232		47672.914	10.289	102.9	4767.291	19716		0.90
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.198		48104.082	10.382	103.8	4810.408	25209		0.84
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.193		47491.551	10.249	102.5	4749.155	13908		0.88
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.193		46737.883	10.087	100.9	4673.788	22328		0.87
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.193		44596.996	9.625	96.2	4459.700	42998		0.82
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.193		44320.668	9.565	95.7	4432.067	11982		0.80
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.193		44854.523	9.680	96.8	4485.452	19567		0.75
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.198		44687.082	9.644	96.4	4468.708	11830		0.63

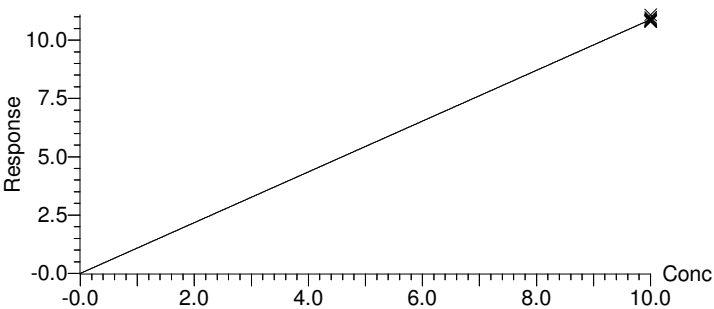
Compound name: M3PFBA
Response Factor: 4633.58
RRF SD: 170.812, % Relative SD: 3.6864
Response type: External Std, Area
Curve type: RF



Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	2.200	48556.770	52425.441	9.921	99.2	1.080	83214		0.88
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	2.234	47672.914	52304.957	10.082	100.8	1.097	21701		0.89
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	2.195	48104.082	52211.477	9.974	99.7	1.085	42882		0.85
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	2.195	47491.551	51444.141	9.954	99.5	1.083	27822		0.87
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	2.195	46737.883	50772.324	9.982	99.8	1.086	6123		0.86
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	2.195	44596.996	48226.301	9.937	99.4	1.081	27458		0.81
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	2.195	44320.668	49131.746	10.186	101.9	1.109	41537		0.79
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	2.195	44854.523	48443.484	9.924	99.2	1.080	16769		0.75
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	2.200	44687.082	48827.039	10.040	100.4	1.093	4654		0.63

Compound name: MPFBA
Response Factor: 1.08826
RRF SD: 0.00959591, % Relative SD: 0.881764
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.103	76105.172	3492.261	0.475	95.0	0.918	637		0.85
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.136	77263.586	7746.430	1.038	103.8	1.003	1599		0.87
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.100	75572.102	40899.605	5.604	112.1	1.082	11510		0.81
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.098	75017.859	70842.992	9.778	97.8	0.944	3098		0.83
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.097	72241.625	350630.375	50.254	100.5	0.971	41095		0.82
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.095	67687.656	808328.813	123.649	98.9	0.955	118382		0.75
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.094	69048.016	1014589.375	152.143	101.4	0.980	86534		0.75
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.094	66395.219	1664293.750	259.541	103.8	1.003	278059		0.71
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.095	64857.230	3063171.750	489.018	97.8	0.945	1134		0.59

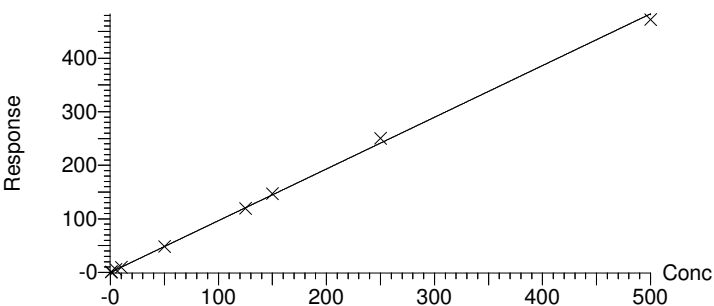
Compound name: PFPeA

Coefficient of Determination: R^2 = 0.999314

Calibration curve: 0.965801 * x

Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.098	48556.770	76105.172	10.154	101.5	1.567	15613		0.94
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.131	47672.914	77263.586	10.500	105.0	1.621	18535		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.095	48104.082	75572.102	10.178	101.8	1.571	27622		0.92
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.092	47491.551	75017.859	10.234	102.3	1.580	23941		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.092	46737.883	72241.625	10.014	100.1	1.546	17064		0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.089	44596.996	67687.656	9.833	98.3	1.518	16990		0.91
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.088	44320.668	69048.016	10.093	100.9	1.558	16815		0.91
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.088	44854.523	66395.219	9.590	95.9	1.480	10808		0.87
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.086	44687.082	64857.230	9.403	94.0	1.451	13250		0.76

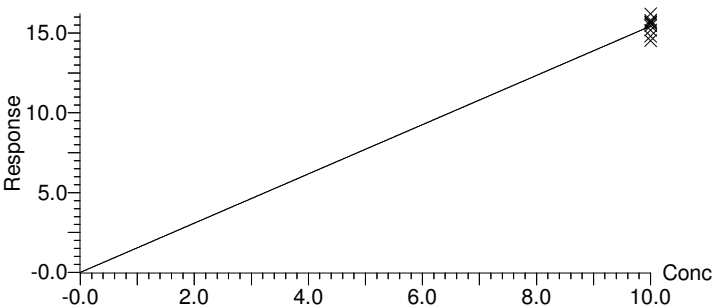
Compound name: M5PFPEA

Response Factor: 1.54351

RRF SD: 0.0523876, % Relative SD: 3.39405

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

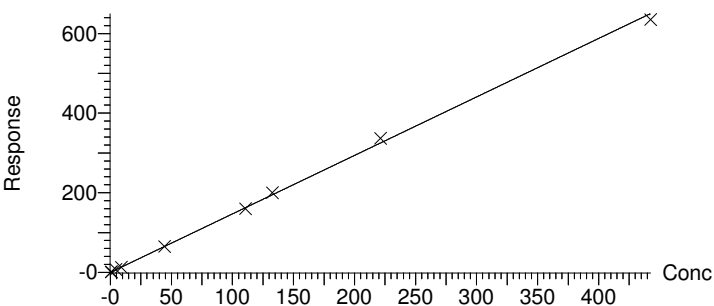
Curve type: RF



Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.750	10365.686	654.601	0.430	97.1	1.427	198	44	0.98
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.775	10629.898	1391.914	0.891	100.7	1.480	209	151	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.748	10509.768	7652.497	4.956	112.0	1.645	1592	1720	0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.746	10088.863	13152.148	8.873	100.3	1.473	1587	2749	0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.744	9965.561	64765.324	44.235	100.0	1.469	6525	6660	0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.740	9225.293	147915.531	109.133	98.7	1.449	51313	65736	0.95
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.740	9189.132	183932.656	136.241	102.6	1.508	29989	10666	0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.738	8779.142	295488.219	229.092	103.5	1.521	51166	10003	0.93
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.733	8395.982	533039.500	432.126	97.7	1.435	86634	7042	0.89

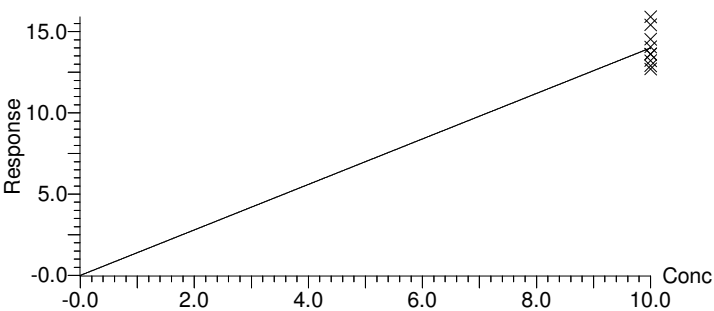
Compound name: PFBS
Coefficient of Determination: R^2 = 0.999262
Calibration curve: 1.46919 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	5.750	7620.767	10365.686	9.717	97.2	1.360	3560		0.90
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	5.773	7797.159	10629.898	9.740	97.4	1.363	6733		0.93
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	5.748	8269.742	10509.768	9.079	90.8	1.271	123		0.87
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	5.746	7629.751	10088.863	9.447	94.5	1.322	2544		0.90
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	5.746	7090.403	9965.561	10.041	100.4	1.405	1311		0.87
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	5.742	7149.182	9225.293	9.219	92.2	1.290	2600		0.82
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	5.742	6324.697	9189.132	10.380	103.8	1.453	5278		0.81
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	5.742	5696.930	8779.142	11.009	110.1	1.541	3031		0.74
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	5.742	5276.689	8395.982	11.367	113.7	1.591	2580		0.64

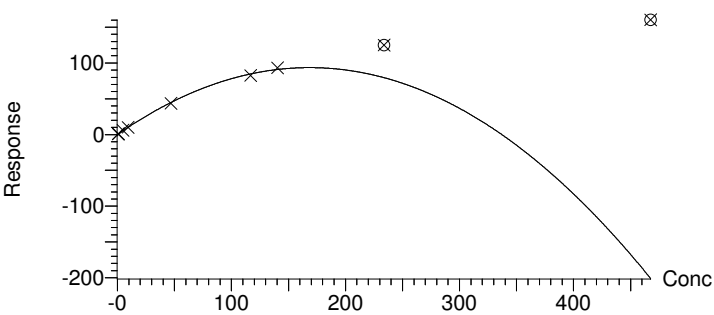
Compound name: M3PFBS
Response Factor: 1.39974
RRF SD: 0.110062, % Relative SD: 7.86304
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.923	5031.747	265.139	0.475	101.7	1.127	4336	27	0.87
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	6.933	5701.004	638.102	1.011	108.2	1.197	305	8	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.916	5712.227	3446.212	5.526	118.2	1.290	1288	329	0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.916	5560.028	5683.588	9.476	101.3	1.093	2549	351	1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.916	6681.914	29143.561	45.413	97.1	0.933	20705	2396	0.95
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.909	8099.027	66775.891	110.524	94.6	0.705	15168	462	0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.909	9331.077	86895.203	157.479	112.3	0.664	12484	26719	0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.905	11231.326	140203.016			0.534	13232	4927	0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.905	16745.953	268377.688			0.343	35566	10844	0.86

Compound name: 4:2FTS
Coefficient of Determination: R^2 = 0.998246
Calibration curve: -0.00329334 * x^2 + 1.10998 * x
Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.919	7620.767	5031.747	7.265	72.7	0.660	93122		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	6.933	7797.159	5701.004	8.046	80.5	0.731	104927		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.916	8269.742	5712.227	7.601	76.0	0.691	1035		1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.916	7629.751	5560.028	8.019	80.2	0.729	541		0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.913	7090.403	6681.914	10.370	103.7	0.942	4239		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.909	7149.182	8099.027	12.466	124.7	1.133	1149		0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.909	6324.697	9331.077	16.234	162.3	1.475	163851		0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.909	5696.930	11231.326	21.693	216.9	1.971	1244		0.85
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.906	5276.689	16745.953	34.921	349.2	3.174	4689		0.84

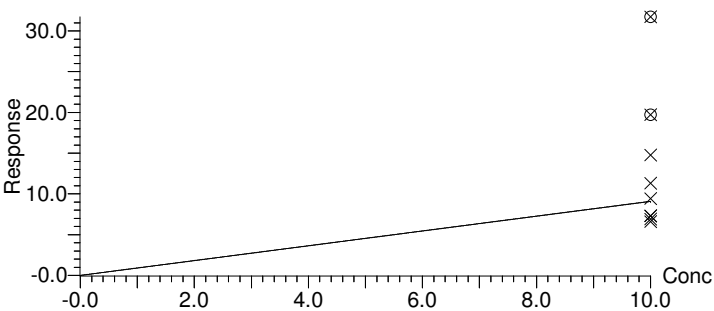
Compound name: M2-4:2FTS

Response Factor: 0.908784

RRF SD: 0.301551, % Relative SD: 33.1818

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

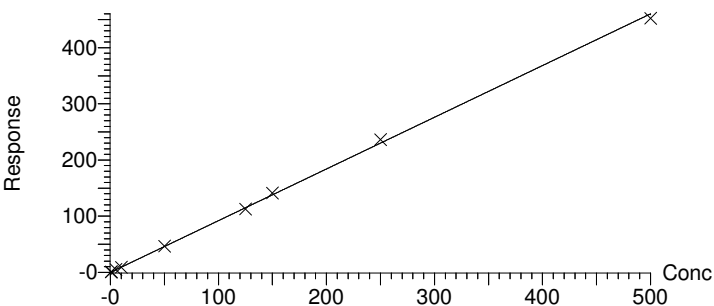
Curve type: RF



Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.997	86318.461	4783.421	0.602	120.4	1.108	372	13	1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.014	89049.195	9448.923	1.153	115.3	1.061	775	72	0.96
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.997	87051.219	45761.648	5.710	114.2	1.051	3188	257	0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.997	85937.961	78643.000	9.941	99.4	0.915	3968	450	0.93
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.994	82847.523	385143.969	50.500	101.0	0.930	25319	2529	0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.990	77004.234	867096.500	122.320	97.9	0.901	44217	4573	0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.990	76551.578	1081576.375	153.479	102.3	0.942	40523	6533	0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.987	73381.758	1733137.375	256.561	102.6	0.945	53786	10812	0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.983	69255.578	3131820.000	491.234	98.2	0.904	91196	7077	0.93

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999423
Calibration curve: 0.920564 * x
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	6.997	117636.820	86318.461	9.586	95.9	0.734	11836		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.010	114802.125	89049.195	10.133	101.3	0.776	7997		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	6.997	113627.328	87051.219	10.008	100.1	0.766	10533		0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	6.994	114891.016	85937.961	9.771	97.7	0.748	14012		0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	6.994	107343.031	82847.523	10.082	100.8	0.772	9464		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	6.987	101103.344	77004.234	9.950	99.5	0.762	11330		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	6.987	97990.719	76551.578	10.205	102.1	0.781	9373		1.01
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	6.987	96048.547	73381.758	9.981	99.8	0.764	11032		0.94
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	6.984	87971.789	69255.578	10.284	102.8	0.787	6283		0.93

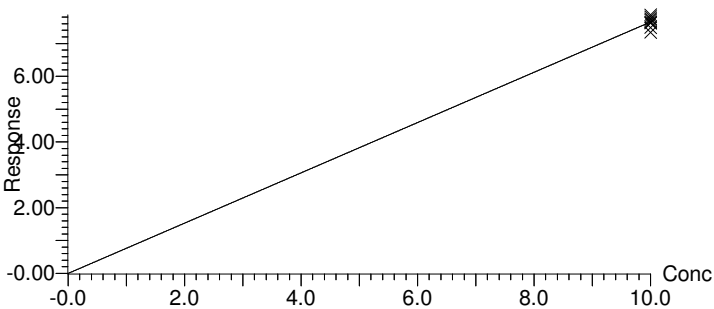
Compound name: M5PFHxA

Response Factor: 0.765496

RRF SD: 0.0165596, % Relative SD: 2.16325

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.309	6305.094	446.562	0.423	90.1	1.507	284	33	1.13
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.322	6708.928	946.722	0.844	89.8	1.501	14	62	0.97
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.309	6466.852	5126.527	4.740	100.9	1.687	494	60990	1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.306	6314.215	9042.376	8.563	91.1	1.523	5665	2677	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.306	5737.190	44566.102	46.448	98.8	1.653	8476	3548	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.296	5547.521	97344.078	104.923	89.3	1.493	14960	14826	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.299	5231.039	121259.477	138.608	98.3	1.644	13032	18913	1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.293	4621.618	187634.234	242.760	103.3	1.728	19754	14066	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.283	3959.817	317014.781	478.701	101.9	1.703	34657	20744	1.11

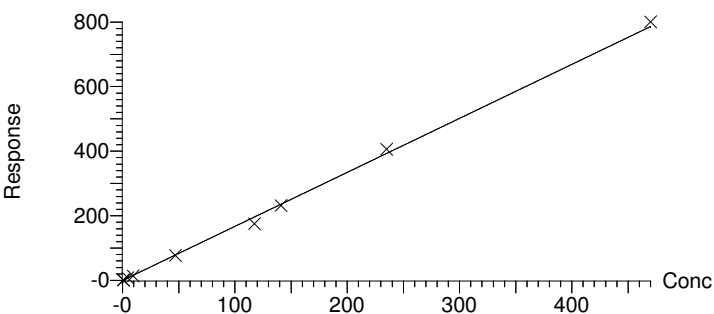
Compound name: PFPeS

Coefficient of Determination: R^2 = 0.998113

Calibration curve: 1.6724 * x

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.261	117836.461	5195.347	0.489	97.8	0.882	360	77	1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.267	121641.055	11592.057	1.056	105.6	0.953	652	108	1.08
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.257	117691.789	60757.566	5.723	114.5	1.032	4284	937	1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.257	116421.445	103796.039	9.884	98.8	0.892	6673	1168	0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.261	108576.563	506166.594	51.681	103.4	0.932	17764	6528	1.07
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.254	101436.859	1153905.625	126.109	100.9	0.910	37952	13087	1.06
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.254	102764.422	1427443.125	153.988	102.7	0.926	61661	14704	1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.257	95052.969	2202072.500	256.824	102.7	0.927	61936	17126	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.254	89172.406	3907235.500	485.746	97.1	0.876	58138	28566	1.10

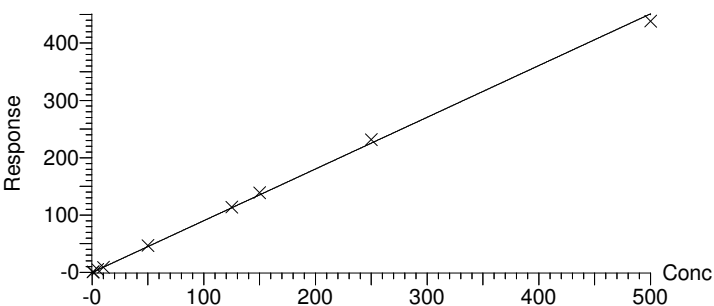
Compound name: PFHpA

Coefficient of Determination: R^2 = 0.999180

Calibration curve: 0.902048 * x

Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

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Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.261	117636.820	117836.461	9.824	98.2	1.002	9958		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.267	114802.125	121641.055	10.391	103.9	1.060	6274		1.06
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.257	113627.328	117691.789	10.158	101.6	1.036	16862		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.254	114891.016	116421.445	9.938	99.4	1.013	7116		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.261	107343.031	108576.563	9.920	99.2	1.011	8349		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.254	101103.344	101436.859	9.839	98.4	1.003	7911		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.254	97990.719	102764.422	10.285	102.8	1.049	4929		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.257	96048.547	95052.969	9.705	97.1	0.990	7797		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.254	87971.789	89172.406	9.941	99.4	1.014	4562		1.09

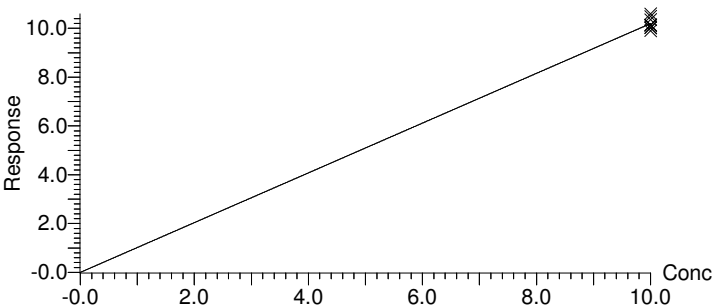
Compound name: M4PFHpA

Response Factor: 1.01968

RRF SD: 0.0232692, % Relative SD: 2.282

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF



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Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.185	6305.094	11.237	0.015	17.8	0.210	1		0.26
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.135	6708.928	71.949	0.091	53.5	0.631	6	3	4.56
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.178	6466.852	518.690	0.678	79.8	0.944	16	7	0.47
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.185	6314.215	1050.500	1.400	82.4	0.979	63	33	0.42
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.185	5737.190	5931.751	8.333	98.0	1.216	185	73	0.45
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.178	5547.521	14988.256	20.296	95.5	1.271	1100	514	0.44
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.178	5231.039	18595.721	25.883	101.5	1.394	2530	273	0.46
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.181	4621.618	30899.139	44.216	104.0	1.573	868	707	0.44
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.181	3959.817	60734.234	84.444	99.3	1.804	4667	831	0.44

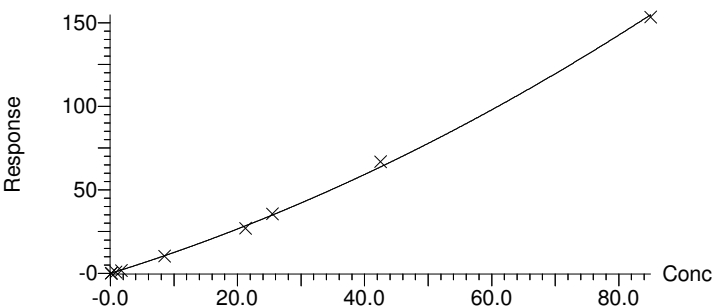
Compound name: br-PFHxS

Coefficient of Determination: R^2 = 0.998684

Calibration curve: $0.00756262 * x^2 + 1.17768 * x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

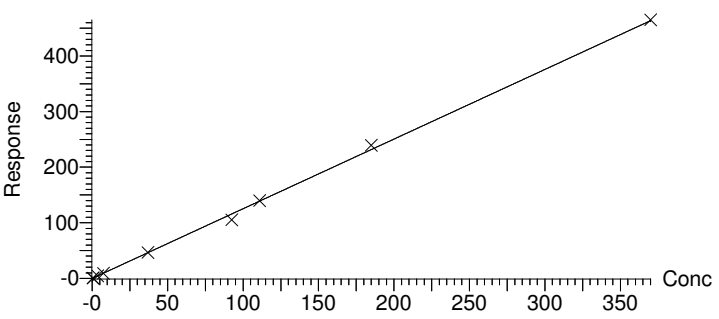
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.424	6305.094	259.238	0.328	88.7	1.111	20	15	0.68
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.420	6708.928	470.828	0.560	75.7	0.948	53	37	1.13
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.414	6466.852	3162.710	3.904	105.5	1.322	159	90	0.97
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.410	6314.215	5750.373	7.270	98.2	1.231	597	350	1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.417	5737.190	26815.008	37.313	100.8	1.263	1314	700	1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.410	5547.521	58360.066	83.984	90.8	1.137	6939	4653	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.410	5231.039	73279.281	111.834	100.8	1.262	15404	2385	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.414	4621.618	110741.648	191.292	103.4	1.295	4739	5075	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.407	3959.817	184133.313	371.225	100.3	1.257	21995	5050	1.25

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.998646
Calibration curve: 1.25262 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



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Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		6305.094	270.475	0.343					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		6708.928	542.777	0.651					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		6466.852	3681.400	4.582					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		6314.215	6800.873	8.670					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		5737.190	32746.759	45.646					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		5547.521	73348.322	104.280					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		5231.039	91875.002	137.717					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		4621.618	141640.787	235.508					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		3959.817	244867.547	455.669					

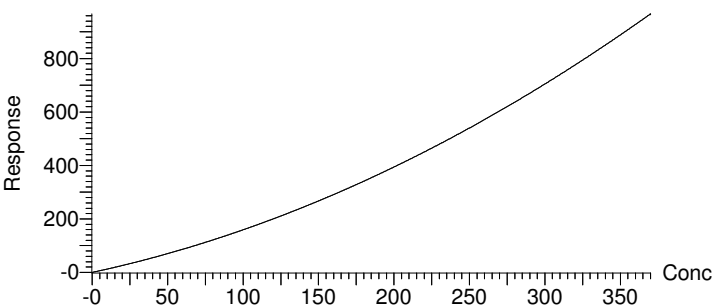
Compound name: PFHxS

Coefficient of Determination: 0.000000

Calibration curve: $1.21515 * x$

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.414	7620.767	6305.094	10.241	102.4	0.827	136293		1.11
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.424	7797.159	6708.928	10.650	106.5	0.860	144053		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.414	8269.742	6466.852	9.679	96.8	0.782	138118		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.410	7629.751	6314.215	10.243	102.4	0.828	1886		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.414	7090.403	5737.190	10.015	100.2	0.809	700		1.19
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.410	7149.182	5547.521	9.605	96.0	0.776	12		1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.407	6324.697	5231.039	10.237	102.4	0.827	648		1.16
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.410	5696.930	4621.618	10.041	100.4	0.811	203		1.16
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.407	5276.689	3959.817	9.289	92.9	0.750	385		1.17

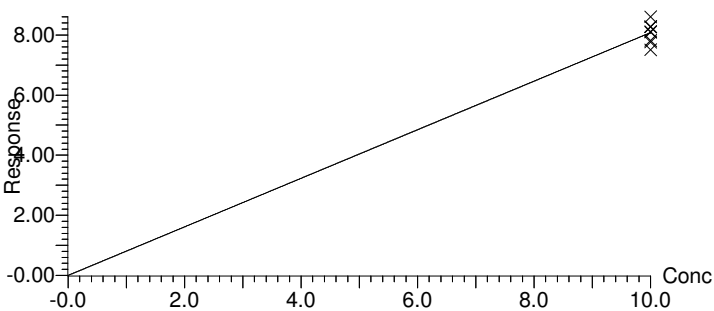
Compound name: M3PFHxS

Response Factor: 0.807915

RRF SD: 0.033353, % Relative SD: 4.12828

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF



Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		114742.953							
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		115929.242							
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		112562.227							
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		109470.945							
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		106781.555							
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		98244.656							
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		98053.172							
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		90653.047						3	
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		85048.031						2	

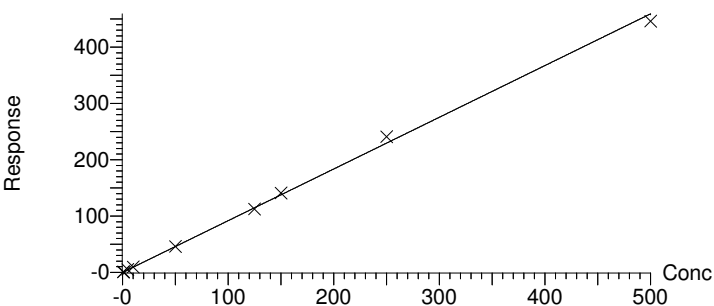
Compound name: L-PFOA

Coefficient of Determination: R^2 = 0.998806

Calibration curve: 0.918228 * x

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

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Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195	114742.953	5268.463	0.500	100.0	0.918	138	61	1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201	115929.242	11899.890	1.118	111.8	1.026	324	80	1.08
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.192	112562.227	58197.820	5.631	112.6	1.034	1597	182	1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.192	109470.945	105110.031	10.457	104.6	0.960	3137	231297	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198	106781.555	491336.344	50.111	100.2	0.920	13186	348	1.11
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192	98244.656	1104013.250	122.381	97.9	0.899	25245	15685	1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189	98053.172	1380425.125	153.321	102.2	0.939	34514	5127	1.12
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195	90653.047	2184240.000	262.402	105.0	0.964	28539	12915	1.10
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195	85048.031	3792057.500	485.579	97.1	0.892	73682	13446	1.15

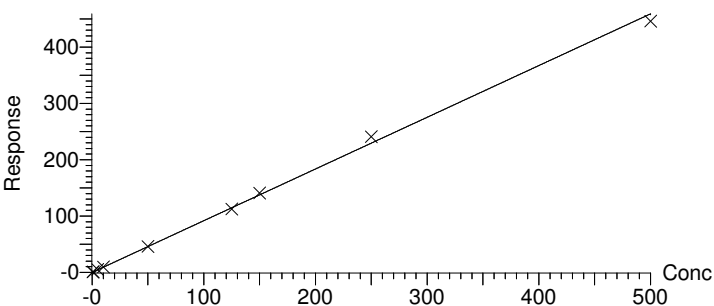
Compound name: L-PFOA

Coefficient of Determination: R^2 = 0.998806

Calibration curve: 0.918228 * x

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		114742.953	5268.463	0.500					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		115929.242	11899.890	1.118					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		112562.227	58197.820	5.631					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		109470.945	105110.031	10.457					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		106781.555	491336.344	50.111					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		98244.656	1104013.250	122.381					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		98053.172	1380425.125	153.321					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		90653.047	2184240.000	262.402					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		85048.031	3792057.500	485.579					

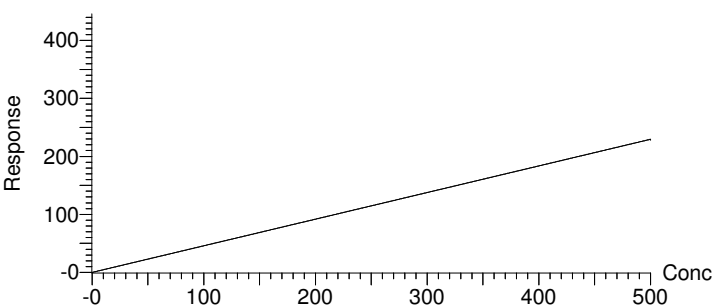
Compound name: PFOA

Coefficient of Determination: 0.000000

Calibration curve: 0.459114 * x

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

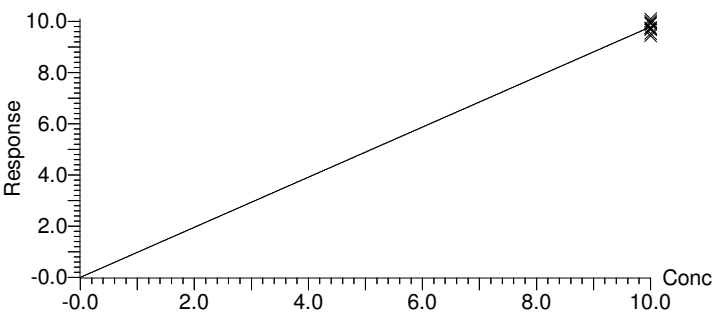
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195	117636.820	114742.953	9.968	99.7	0.975	6801		1.02
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201	114802.125	115929.242	10.320	103.2	1.010	11747		1.01
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.189	113627.328	112562.227	10.124	101.2	0.991	2472767		1.08
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.189	114891.016	109470.945	9.738	97.4	0.953	2330920		1.11
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198	107343.031	106781.555	10.166	101.7	0.995	7478		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192	101103.344	98244.656	9.931	99.3	0.972	11749		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189	97990.719	98053.172	10.226	102.3	1.001	32823		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195	96048.547	90653.047	9.646	96.5	0.944	4405		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195	87971.789	85048.031	9.880	98.8	0.967	2298		1.09

Compound name: M8PFOA
Response Factor: 0.978488
RRF SD: 0.0221851, % Relative SD: 2.26728
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Alpha Analytical Inc.

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Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.195		117636.820	11.128	111.3	11763.682	9674		1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.201		114802.125	10.860	108.6	11480.213	11792		1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.192		113627.328	10.749	107.5	11362.733	8335		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.192		114891.016	10.868	108.7	11489.102	6316		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.198		107343.031	10.154	101.5	10734.303	6504		1.07
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.192		101103.344	9.564	95.6	10110.334	13673		1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.189		97990.719	9.270	92.7	9799.072	15591		1.13
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.195		96048.547	9.086	90.9	9604.855	6987		1.12
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.195		87971.789	8.322	83.2	8797.179	7087		1.17

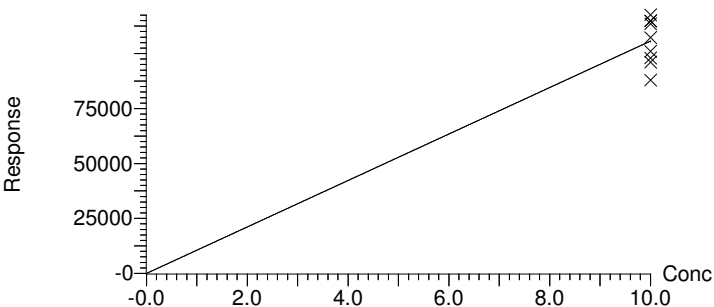
Compound name: M2PFOA

Response Factor: 10571.3

RRF SD: 1038.84, % Relative SD: 9.82703

Response type: External Std, Area

Curve type: RF



Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.151	5244.259	136.521	0.321	67.6	0.548	43		1.18
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.160	5793.605	472.065	1.007	106.0	0.858	11270		1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.154	5686.892	2364.637	5.188	109.2	0.875	2595	2922	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.151	5537.379	4543.102	10.363	109.1	0.864	90	10198	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.157	6923.649	22887.639	45.588	96.0	0.696	2509	49281	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.151	7531.343	52169.430	117.597	99.0	0.583	24000	105127	1.11
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.147	8490.607	66168.844	145.112	101.8	0.547	9501	143411	1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.154	11016.425	105134.914			0.402	8557	244179	1.04
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.154	16172.786	196700.500			0.256	9005	445042	1.05

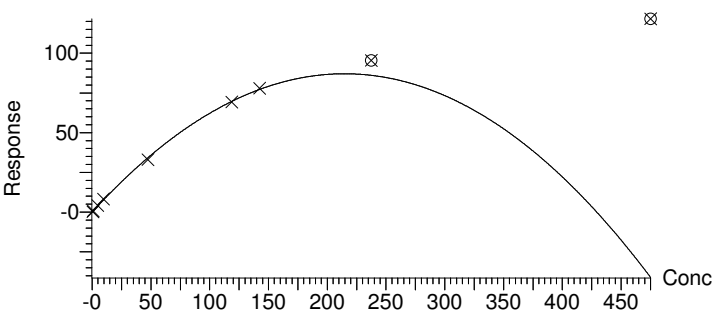
Compound name: 6:2FTS

Coefficient of Determination: R^2 = 0.998705

Calibration curve: $-0.00188986 * x^2 + 0.811287 * x$

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.154	7620.767	5244.259	7.748	77.5	0.688	1856		1.08
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.163	7797.159	5793.605	8.366	83.7	0.743	130134		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.151	8269.742	5686.892	7.743	77.4	0.688	1728		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.151	7629.751	5537.379	8.172	81.7	0.726	128419		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.160	7090.403	6923.649	10.995	109.9	0.976	3006		0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.154	7149.182	7531.343	11.861	118.6	1.053	173852		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.151	6324.697	8490.607	15.115	151.2	1.342	866		0.96
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.154	5696.930	11016.425	21.773	217.7	1.934	251479		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.154	5276.689	16172.786	34.510	345.1	3.065	3544		1.05

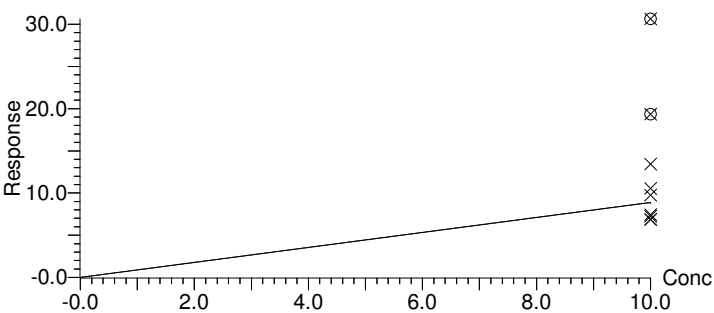
Compound name: M2-6:2FTS

Response Factor: 0.888146

RRF SD: 0.248037, % Relative SD: 27.9275

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

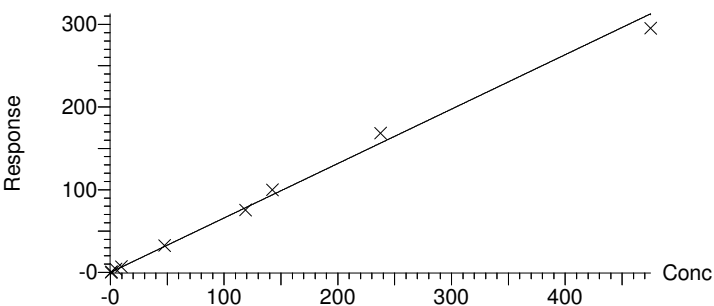
Curve type: RF



Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.288	7863.209	144.360	0.279	58.7	0.387	221	10	0.78
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.288	8337.590	621.729	1.132	119.2	0.785	155	101	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.279	7856.718	2920.696	5.646	118.9	0.783	797	309	1.12
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.282	7611.157	5201.360	10.378	109.2	0.719	12	669	0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.288	7647.324	24823.602	49.296	103.8	0.683	4812	2802	1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.282	6866.474	51706.141	114.358	96.3	0.634	1116814	5891	1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.279	6560.688	65508.563	151.638	106.4	0.701	6932	3799	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.285	5910.273	99602.891	255.931	107.8	0.710	1917	10570	1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.285	5658.023	167009.734	448.266	94.4	0.621	17852	20289	1.15

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.995952
Calibration curve: 0.658478 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: PFNA

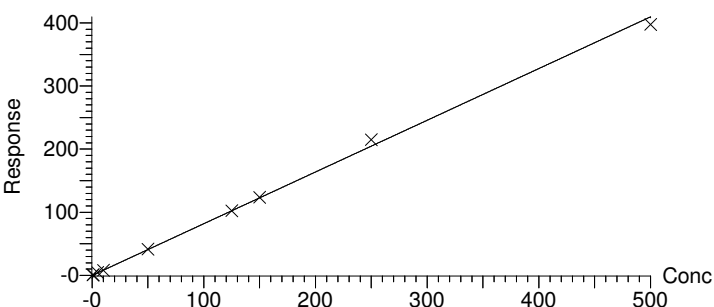
	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.946	114401.953	4410.776	0.471	94.1	0.771	122	301	1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.950	113246.805	10939.968	1.179	117.9	0.966	299	51723	0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.941	112215.648	52307.785	5.690	113.8	0.932	1092	243154	1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.941	112653.875	90734.125	9.831	98.3	0.805	2463	708	1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.950	104182.664	434642.250	50.925	101.8	0.834	10328	7740	0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.946	94452.336	964953.875	124.705	99.8	0.817	30563	8818	0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.941	96585.883	1196780.250	151.249	100.8	0.826	30019	13273	1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.946	87852.000	1887084.875	262.199	104.9	0.859	40376	21285	1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.946	82060.539	3262201.750	485.252	97.1	0.795	81231	41203	1.06

Compound name: PFNA

Coefficient of Determination: $R^2 = 0.998884$ Calibration curve: $0.819236 * x$

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

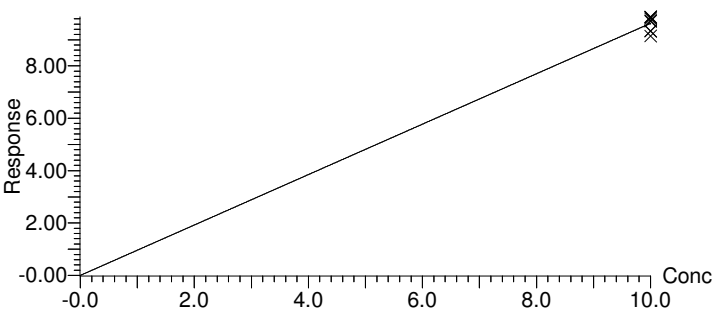
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.946	117636.820	114401.953	10.101	101.0	0.973	16011		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.950	114802.125	113246.805	10.246	102.5	0.986	34666		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.941	113627.328	112215.648	10.258	102.6	0.988	11385		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.941	114891.016	112653.875	10.184	101.8	0.981	12874		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.946	107343.031	104182.664	10.081	100.8	0.971	6038		1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.941	101103.344	94452.336	9.703	97.0	0.934	462		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.941	97990.719	96585.883	10.238	102.4	0.986	2951		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.946	96048.547	87852.000	9.500	95.0	0.915	4214		1.00
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.946	87971.789	82060.539	9.689	96.9	0.933	8159		1.04

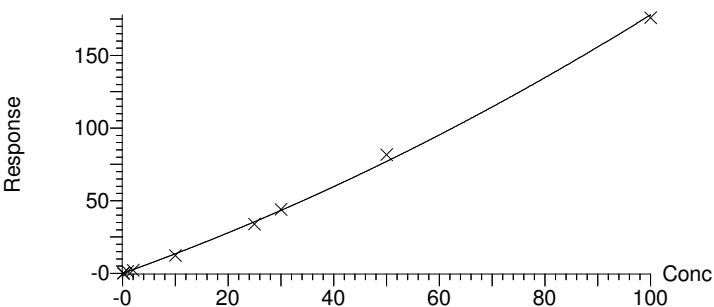
Compound name: M9PFNA
Response Factor: 0.962774
RRF SD: 0.0278357, % Relative SD: 2.89119
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.724	7863.209	63.022	0.062	61.5	0.801	1		4.31
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.809	8337.590	144.024	0.133	66.3	0.864	7	5	0.44
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.801	7856.718	1018.896	0.992	99.2	1.297	66	8	0.38
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.801	7611.157	1719.872	1.724	86.2	1.130	60	50	0.47
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.809	7647.324	9374.953	9.110	91.1	1.226	206	58	0.37
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.805	6866.474	23335.752	23.990	96.0	1.359	254	146	0.38
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.801	6560.688	28882.205	30.417	101.4	1.467	969	130741	0.41
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.809	5910.273	48275.703	52.590	105.2	1.634	1207	725	0.38
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.809	5658.023	99553.039	99.112	99.1	1.760	64	1430	0.39

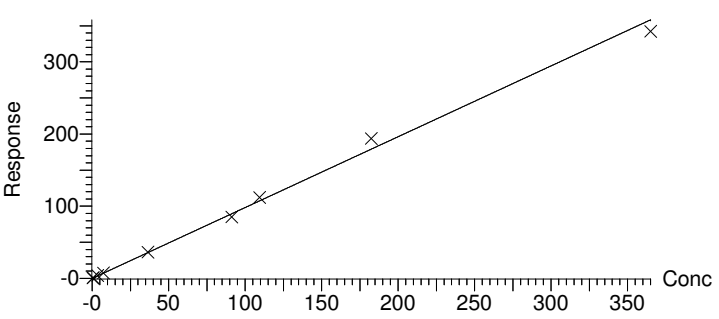
Compound name: br-PFOS
Coefficient of Determination: R^2 = 0.998470
Calibration curve: $0.0047735 * x^2 + 1.30214 * x$
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.0...	7863.209	210.105	0.272	74.6	0.732	7	5455	0.73
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.0...	8337.590	646.229	0.790	108.2	1.062	57	38	1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.993	7856.718	3141.077	4.074	111.6	1.095	356	84	0.93
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993	7611.157	5686.805	7.613	104.3	1.024	417	466	0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.997	7647.324	27678.270	36.880	101.0	0.992	1273	545	1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993	6866.474	58381.578	86.636	94.9	0.932	1365	1277	1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993	6560.688	73590.516	114.296	104.4	1.024	5274	1018150	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.997	5910.273	114601.617	197.579	108.3	1.062	5829	5448	1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.997	5658.023	193598.438	348.655	95.5	0.937	263	8522	1.08

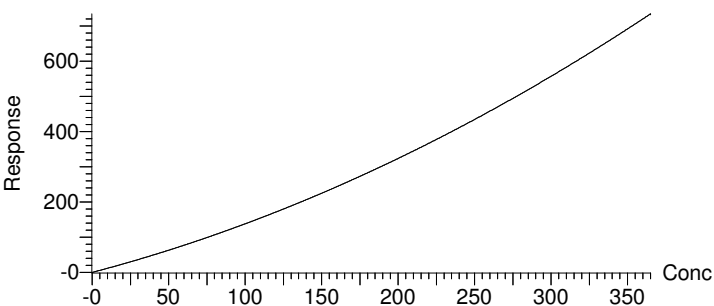
Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.996780
Calibration curve: 0.98139 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		7863.209	273.127	0.334					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		8337.590	790.253	0.922					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		7856.718	4159.973	5.066					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		7611.157	7406.677	9.338					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7647.324	37053.223	45.990					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		6866.474	81717.330	110.626					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		6560.688	102472.721	144.713					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		5910.273	162877.320	250.169					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		5658.023	293151.477	447.767					

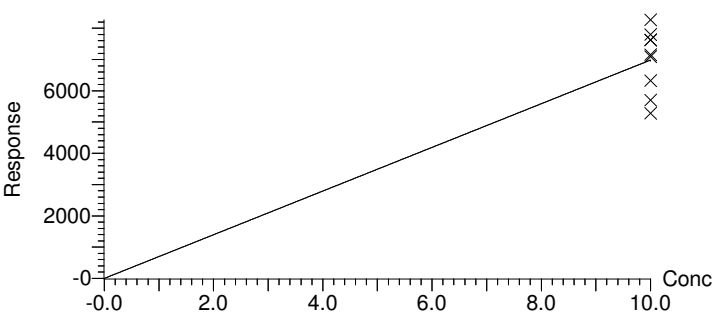
Compound name: PFOS
Coefficient of Determination: 0.000000
Calibration curve: $1.14177 * x$
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.997		7620.767	10.912	109.1	762.077	157037		0.93
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.0...		7797.159	11.164	111.6	779.716	167149		0.90
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.989		8269.742	11.841	118.4	826.974	177403		1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993		7629.751	10.925	109.2	762.975	159530		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.997		7090.403	10.152	101.5	709.040	146923		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993		7149.182	10.237	102.4	714.918	1645		1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993		6324.697	9.056	90.6	632.470	128909		0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.997		5696.930	8.157	81.6	569.693	1209		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.997		5276.689	7.555	75.6	527.669	101650		1.07

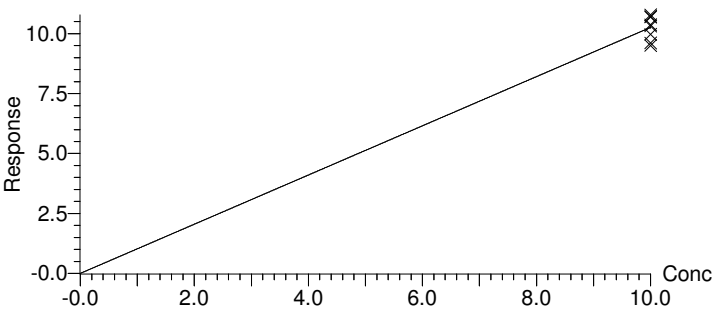
Compound name: M4PFOS
Response Factor: 698.392
RRF SD: 101.128, % Relative SD: 14.4802
Response type: External Std, Area
Curve type: RF



Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	9.993	7620.767	7863.209	10.056	100.6	1.032	165326		1.01
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	9.998	7797.159	8337.590	10.421	104.2	1.069	174045		1.05
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	9.989	8269.742	7856.718	9.259	92.6	0.950	4400		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	9.993	7629.751	7611.157	9.722	97.2	0.998	1249		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	9.998	7090.403	7647.324	10.511	105.1	1.079	1059		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	9.993	7149.182	6866.474	9.360	93.6	0.960	317		1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	9.993	6324.697	6560.688	10.109	101.1	1.037	667		0.91
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	9.998	5696.930	5910.273	10.111	101.1	1.037	412		0.96
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	9.998	5276.689	5658.023	10.450	104.5	1.072	376		1.04

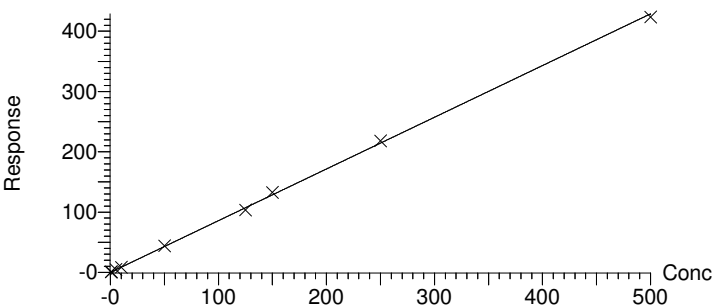
Compound name: M8PFOS
Response Factor: 1.02609
RRF SD: 0.0473585, % Relative SD: 4.61545
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	105486.805	4685.706	0.518	103.6	0.888	152	14	1.17
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	109985.242	9944.646	1.054	105.4	0.904	358	39777	1.15
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	104239.750	49945.277	5.585	111.7	0.958	1959	1493	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	101094.977	86872.859	10.017	100.2	0.859	2485	3214	0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	92826.750	409066.531	51.371	102.7	0.881	9042	2580	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	84901.406	877900.563	120.538	96.4	0.827	16762	6535	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	82198.586	1090370.000	154.634	103.1	0.884	26036	15544	1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	74923.039	1633247.125	254.115	101.6	0.872	18176	5568	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	66209.734	2803895.000	493.667	98.7	0.847	52614	17537	1.06

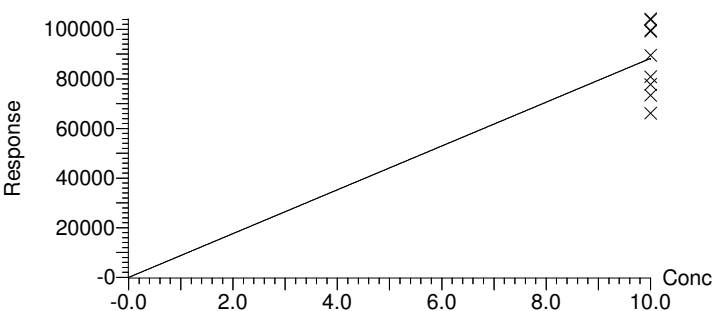
Compound name: PFDA
Coefficient of Determination: R^2 = 0.999475
Calibration curve: 0.857838 * x
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...		103829.906	11.760	117.6	10382.991	16120		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...		104230.492	11.805	118.1	10423.049	27028		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...		99527.453	11.273	112.7	9952.745	19482		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...		99233.398	11.239	112.4	9923.340	36690		0.99
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...		89579.898	10.146	101.5	8957.990	34795		0.98
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...		80832.117	9.155	91.6	8083.212	33177		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...		77816.188	8.814	88.1	7781.619	19275		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...		73446.680	8.319	83.2	7344.668	25437		0.99
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...		66126.813	7.490	74.9	6612.681	16215		1.03

Compound name: M2PFDA
Response Factor: 8829.14
RRF SD: 1423.09, % Relative SD: 16.1181
Response type: External Std, Area
Curve type: RF



Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	103829.906	105486.805	9.830	98.3	1.016	4853		1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	104230.492	109985.242	10.210	102.1	1.055	6939		1.06
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	99527.453	104239.750	10.134	101.3	1.047	6601		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	99233.398	101094.977	9.857	98.6	1.019	19676		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	89579.898	92826.750	10.027	100.3	1.036	15009		0.95
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	80832.117	84901.406	10.163	101.6	1.050	1747		0.97
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	77816.188	82198.586	10.221	102.2	1.056	7076		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	73446.680	74923.039	9.870	98.7	1.020	14482		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	66126.813	66209.734	9.688	96.9	1.001	3663		1.02

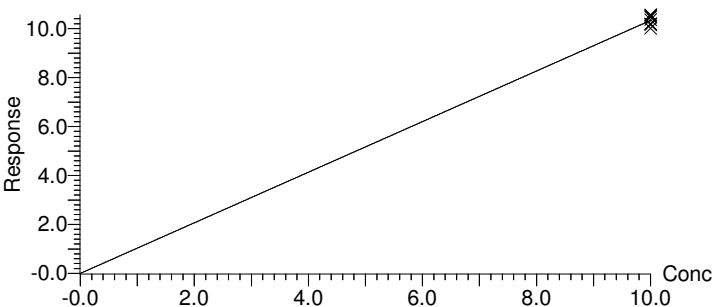
Compound name: M6PFDA

Response Factor: 1.0335

RRF SD: 0.0200603, % Relative SD: 1.94099

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

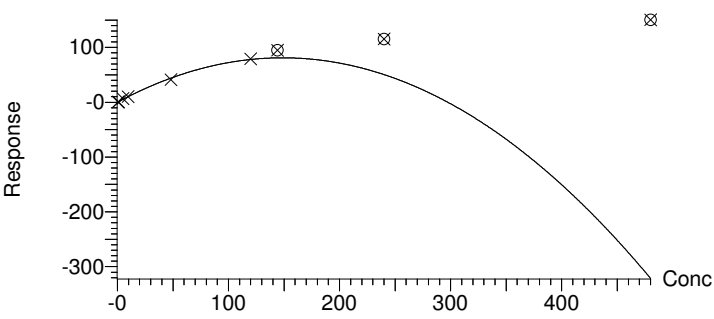
Curve type: RF



Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	3535.170	206.802	0.538	112.0	1.219	54		1.30
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	3740.494	354.823	0.873	90.9	0.988	60		1.18
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	3681.261	2398.694	6.103	127.1	1.357	55942		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	3572.389	3723.282	9.890	103.0	1.086	88711		1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	4282.424	17680.184	44.549	92.8	0.860	408290		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	4755.468	37557.445	124.992	104.2	0.658	855186		1.07
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	4958.818	47138.504			0.660	22817		1.11
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	6317.642	72996.211			0.481	5819		1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	8145.643	122449.109			0.313	4892		1.11

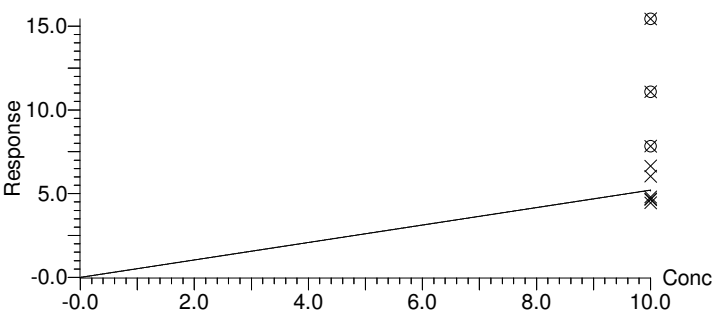
Compound name: 8:2FTS
Coefficient of Determination: R^2 = 0.994263
Calibration curve: -0.00366564 * x^2 + 1.09004 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.5...	7620.767	3535.170	8.903	89.0	0.464	69325		1.02
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.5...	7797.159	3740.494	9.207	92.1	0.480	291		0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.5...	8269.742	3681.261	8.544	85.4	0.445	405		1.05
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.5...	7629.751	3572.389	8.987	89.9	0.468	1911		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.5...	7090.403	4282.424	11.592	115.9	0.604	83195		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.5...	7149.182	4755.468	12.767	127.7	0.665	891		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	6324.697	4958.818	15.048	150.5	0.784	100651		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.5...	5696.930	6317.642	21.284	212.8	1.109	129365		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.5...	5276.689	8145.643	29.628	296.3	1.544	164641		1.03

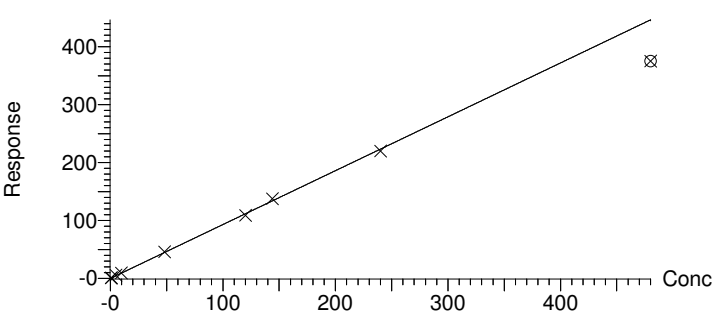
Compound name: M2-8:2FTS
Response Factor: 0.521022
RRF SD: 0.0907487, % Relative SD: 17.4175
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.6...	7863.209	306.160	0.419	87.2	0.811	12	8899	1.15
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.6...	8337.590	842.429	1.086	113.1	1.052	70	256	1.40
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.6...	7856.718	4373.127	5.984	124.7	1.160	2375	78894	0.92
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.6...	7611.157	7010.277	9.902	103.1	0.959	160780	136329	0.94
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.6...	7647.324	34940.902	49.120	102.3	0.952	4532	1399	0.94
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.6...	6866.474	74579.766	116.767	97.3	0.905	5435	9027	0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.5...	6560.688	90355.602	148.060	102.8	0.956	27749	1627883	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.6...	5910.273	130020.867	236.503	98.5	0.917	17714	4054	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.6...	5658.023	212194.906	403.183	84.0	0.781	21595	23707	1.02

Compound name: PFNS
Coefficient of Determination: R^2 = 0.998898
Calibration curve: 0.930183 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.9...	103829.906	9575.763	7.836	78.4	0.092	308		0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.9...	104230.492	11161.044	9.098	91.0	0.107	219724		0.97
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.9...	99527.453	10155.847	8.669	86.7	0.102	3683		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.9...	99233.398	10699.074	9.160	91.6	0.108	1878		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.9...	89579.898	10035.015	9.518	95.2	0.112	566		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.9...	80832.117	9496.166	9.981	99.8	0.117	188703		0.98
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.9...	77816.188	9724.458	10.617	106.2	0.125	192845		0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.9...	73446.680	9845.680	11.389	113.9	0.134	2041		1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.9...	66126.813	10688.211	13.732	137.3	0.162	1840		0.99

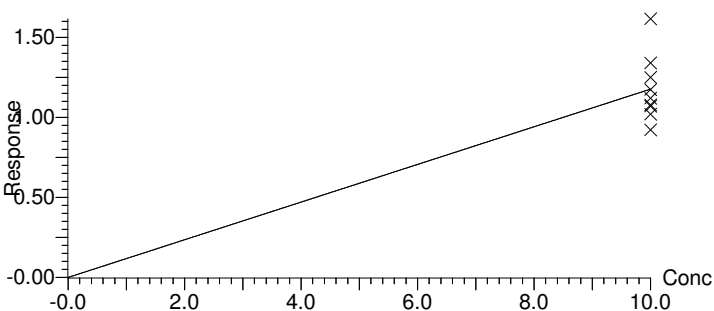
Compound name: d3-NMeFOSAA

Response Factor: 0.117702

RRF SD: 0.0205764, % Relative SD: 17.4818

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

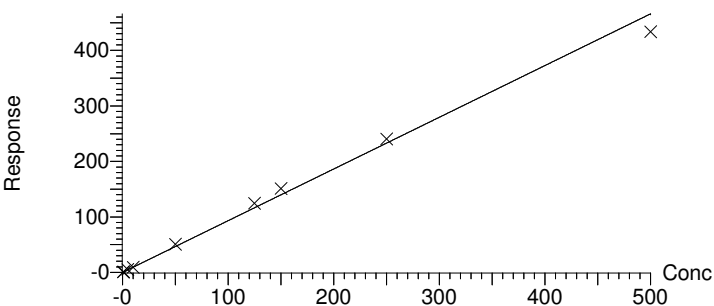
Curve type: RF



Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		9575.763							
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		11161.044							
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		10155.847							
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		10699.074							
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		10035.015							
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		9496.166							
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9724.458							
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		9845.680							
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		10688.211						2	

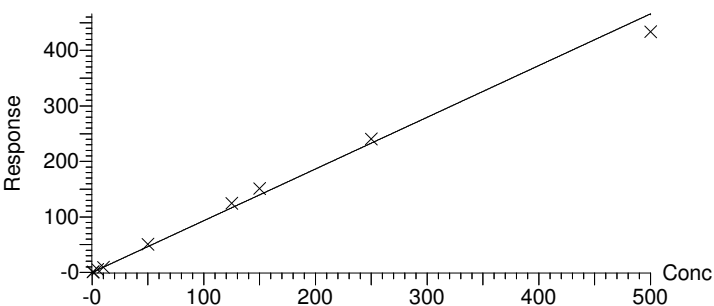
Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.995480
Calibration curve: 0.931991 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.9...	9575.763	324.541	0.364	72.7	0.678	7	22	1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.9...	11161.044	1166.739	1.122	112.2	1.045	17132	8	0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.9...	10155.847	5530.176	5.843	116.9	1.089	1686	28880	1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.9...	10699.074	9818.126	9.846	98.5	0.918	2994	52535	0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.9...	10035.015	51048.320	54.582	109.2	1.017	2351	487	0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.9...	9496.166	118338.813	133.711	107.0	0.997	4519	15054	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.9...	9724.458	146964.844	162.157	108.1	1.008	4558	447	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.9...	9845.680	236955.250	258.231	103.3	0.963	7059	10078	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.9...	10688.211	463842.188	465.644	93.1	0.868	11998	6925	0.96

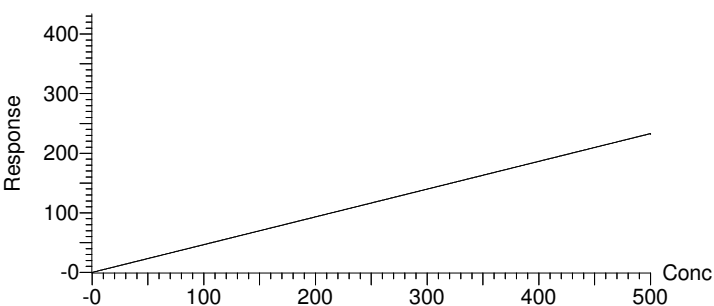
Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.995480
Calibration curve: 0.931991 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		9575.763	324.541	0.364					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		11161.044	1166.739	1.122					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		10155.847	5530.176	5.843					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		10699.074	9818.126	9.846					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		10035.015	51048.320	54.582					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		9496.166	118338.813	133.711					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9724.458	146964.844	162.157					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		9845.680	236955.250	258.231					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		10688.211	463842.188	465.644					

Compound name: NMeFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.465995 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.117	101992.055	4611.769	0.473	94.6	0.904	115	10041	1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.122	101388.047	10026.410	1.034	103.4	0.989	330	35178	1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.117	97997.672	51117.012	5.455	109.1	1.043	1178	398	0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.112	93371.281	88904.188	9.957	99.6	0.952	2037	251288	1.07
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.117	82849.375	396062.781	49.990	100.0	0.956	10506	24547	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.112	71788.461	824707.938	120.130	96.1	0.919	19883	2311444	1.09
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.112	69882.930	1013266.063	151.620	101.1	0.967	26453	21061	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.112	61087.184	1508727.250	258.265	103.3	0.988	32170	8460	1.09
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.112	54794.387	2591577.000	494.577	98.9	0.946	37276	9772	1.14

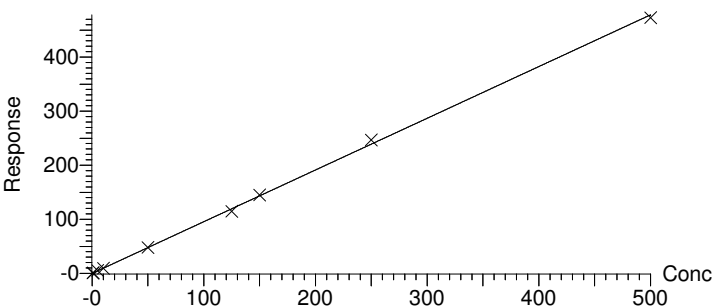
Compound name: PFUnA

Coefficient of Determination: R^2 = 0.999453

Calibration curve: 0.956301 * x

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.118	103829.906	101992.055	10.713	107.1	0.982	3734		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.123	104230.492	101388.047	10.609	106.1	0.973	6468		1.03
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.113	99527.453	97997.672	10.739	107.4	0.985	3765		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.113	99233.398	93371.281	10.262	102.6	0.941	16231		1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.118	89579.898	82849.375	10.087	100.9	0.925	5955		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.113	80832.117	71788.461	9.686	96.9	0.888	1384858		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.113	77816.188	69882.930	9.795	97.9	0.898	2851		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.113	73446.680	61087.184	9.071	90.7	0.832	2216		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.113	66126.813	54794.387	9.037	90.4	0.829	2563		1.08

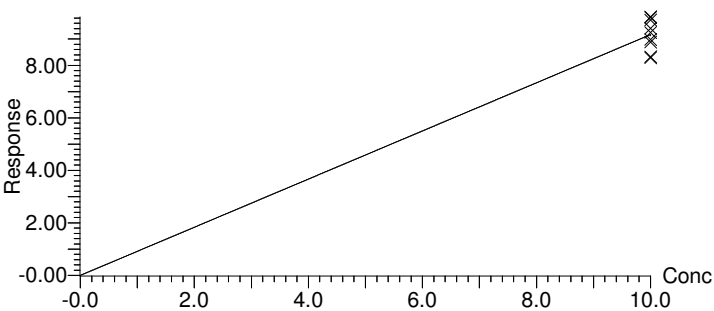
Compound name: M7-PFUDA

Response Factor: 0.916885

RRF SD: 0.0600555, % Relative SD: 6.54995

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

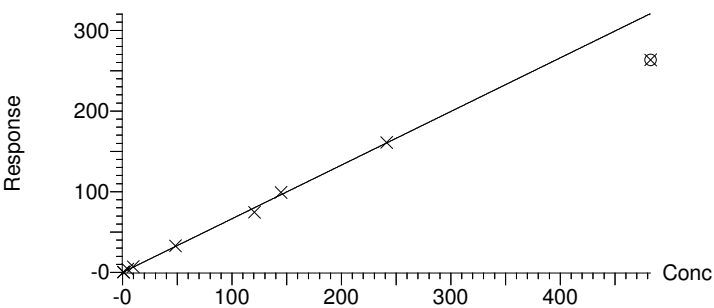
Curve type: RF



Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.123	7863.209	242.685	0.464	96.2	0.640	5894	6	1.58
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.133	8337.590	482.343	0.870	90.2	0.599	35	132	1.25
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.128	7856.718	3124.329	5.981	124.0	0.824	73500	81546	0.97
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.123	7611.157	5332.887	10.538	109.2	0.726	124985	1343	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.128	7647.324	25123.271	49.411	102.4	0.681	1473	1913	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.123	6866.474	51137.266	112.012	92.9	0.617	44971	2446	1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.123	6560.688	65178.430	149.422	103.2	0.686	3491	1062	1.06
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.123	5910.273	95134.438	242.098	100.4	0.667	7675	3091	1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.128	5658.023	148916.188	395.857	82.0	0.545	9282	21096	1.02

Compound name: PFDS
Coefficient of Determination: R^2 = 0.997891
Calibration curve: 0.664874 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.011	22949.115	942.301	0.386	77.3	0.821	22594		0.94
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.011	22475.113	2798.189	1.172	117.2	1.245	908		1.21
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.006	22388.170	12992.135	5.461	109.2	1.161	2604	22	1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.006	23068.303	23946.777	9.769	97.7	1.038	7062	25	1.02
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.011	21401.279	116432.289	51.200	102.4	1.088	4222	115	1.06
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.005	20660.598	264460.531	120.464	96.4	1.024	8490	57	1.08
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.006	21330.230	333811.938	147.280	98.2	1.043	9509	58640	1.08
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.010	19354.936	535815.375	260.532	104.2	1.107	9601	143	1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.010	18051.570	949921.375	495.235	99.0	1.052	9851	157929	1.11

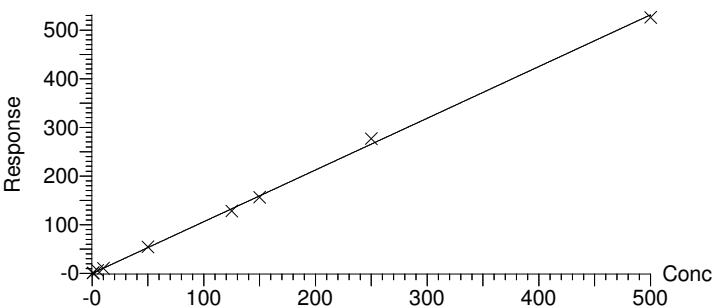
Compound name: FOSA

Coefficient of Determination: R^2 = 0.999218

Calibration curve: 1.06258 * x

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

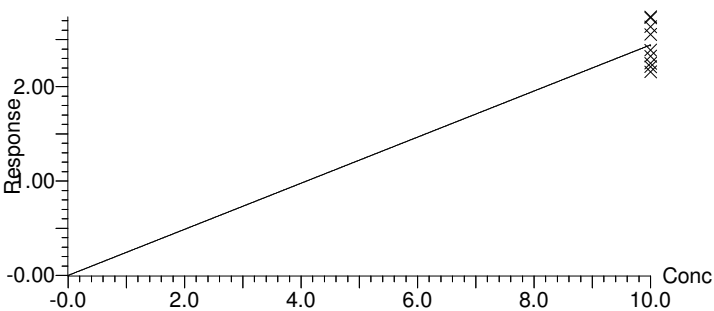
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.006	103829.906	22949.115	9.045	90.5	0.221	1034		1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.011	104230.492	22475.113	8.824	88.2	0.216	3033		1.03
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.006	99527.453	22388.170	9.206	92.1	0.225	1670		0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.006	99233.398	23068.303	9.513	95.1	0.232	946		1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.011	89579.898	21401.279	9.777	97.8	0.239	1986		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.006	80832.117	20660.598	10.460	104.6	0.256	872		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.006	77816.188	21330.230	11.218	112.2	0.274	4434		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.006	73446.680	19354.936	10.784	107.8	0.264	361072		1.08
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.011	66126.813	18051.570	11.172	111.7	0.273	4636		1.06

Compound name: M8FOSA
Response Factor: 0.244354
RRF SD: 0.0226829, % Relative SD: 9.28279
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.248	103829.906	8483.435	7.858	78.6	0.082	1030		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.252	104230.492	9857.291	9.096	91.0	0.095	3828		1.05
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.243	99527.453	9136.918	8.829	88.3	0.092	1068		1.15
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.243	99233.398	9223.351	8.939	89.4	0.093	1583		1.06
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.248	89579.898	7892.435	8.474	84.7	0.088	178651		1.04
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.243	80832.117	8802.899	10.474	104.7	0.109	1769		1.10
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.243	77816.188	9185.745	11.353	113.5	0.118	1731		1.10
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.243	73446.680	8969.788	11.746	117.5	0.122	710		1.10
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.248	66126.813	9096.541	13.230	132.3	0.138	693		1.08

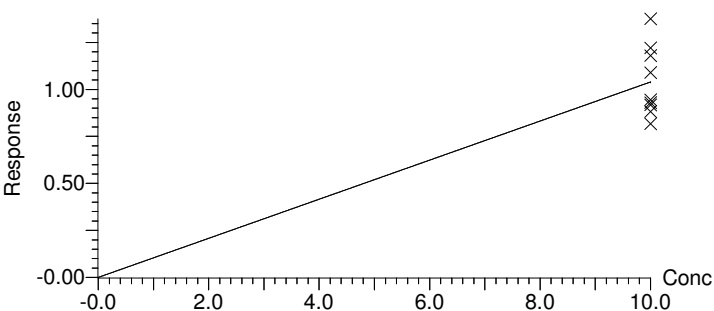
Compound name: d5-NEtFOSAA

Response Factor: 0.103974

RRF SD: 0.0186608, % Relative SD: 17.9476

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		8483.435							
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		9857.291							
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		9136.918							
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		9223.351							
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7892.435							
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		8802.899							
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9185.745						3	
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		8969.788						2	
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		9096.541							

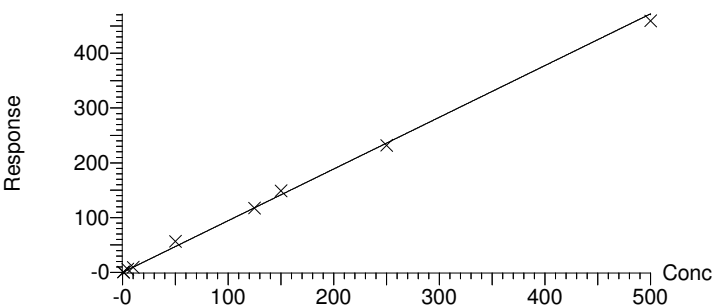
Compound name: L-NEtFOSAA

Coefficient of Determination: R^2 = 0.997234

Calibration curve: 0.944028 * x

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

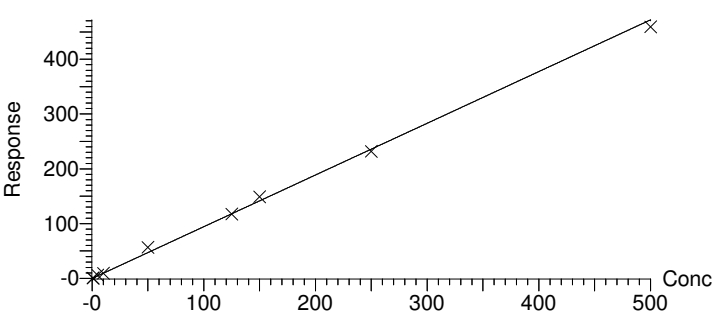
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.257	8483.435	426.209	0.532	106.4	1.005	62	2747	0.87
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.262	9857.291	836.497	0.899	89.9	0.849	34	8746	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.252	9136.918	5153.751	5.975	119.5	1.128	1752	345	1.16
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.252	9223.351	8885.692	10.205	102.1	0.963	687	385	0.95
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.257	7892.435	44566.316	59.815	119.6	1.129	1964	400594	1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.252	8802.899	103539.305	124.593	99.7	0.941	4441	1784	1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.252	9185.745	136568.641	157.490	105.0	0.991	5806	2187	1.02
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.252	8969.788	207895.938	245.516	98.2	0.927	6928	3432	1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.252	9096.541	417755.188	486.475	97.3	0.918	10854	4433	1.14

Compound name: L-NEtFOSAA
Coefficient of Determination: R^2 = 0.997234
Calibration curve: 0.944028 * x
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43		8483.435	426.209	0.532					
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49		9857.291	836.497	0.899					
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20		9136.918	5153.751	5.975					
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51		9223.351	8885.692	10.205					
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24		7892.435	44566.316	59.815					
6	I13439	IA2-537STD125	18-Nov-19	12:00:10		8802.899	103539.305	124.593					
7	I13440	IA2-537STD150	18-Nov-19	12:16:43		9185.745	136568.641	157.490					
8	I13441	IA2-537STD250	18-Nov-19	12:33:16		8969.788	207895.938	245.516					
9	I13442	IA2-537STD500	18-Nov-19	12:49:53		9096.541	417755.188	486.475					

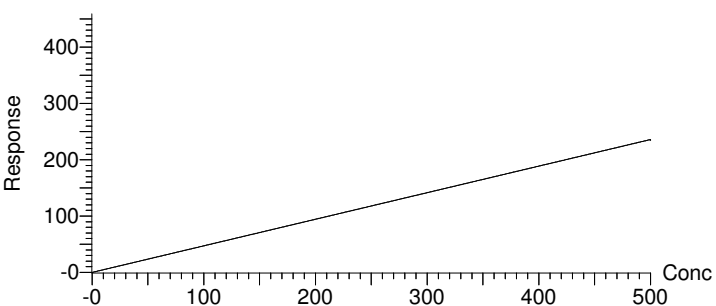
Compound name: NEtFOSAA

Coefficient of Determination: 0.000000

Calibration curve: $0.472014 * x$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.593	103376.742	4841.695	0.553	110.6	0.937	139	7515	1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.598	103352.375	9531.423	1.089	108.9	0.922	278	18864	0.95
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.589	103349.367	48924.336	5.589	111.8	0.947	1385	869	1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.589	96274.898	85750.094	10.516	105.2	0.891	2452	3838	0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.589	95651.234	409028.406	50.488	101.0	0.855	11691	724138	1.11
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.585	81334.875	888518.938	128.977	103.2	0.874	14901	1941	1.06
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.585	83380.609	1093507.375	154.839	103.2	0.874	23865	8361	1.09
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.585	76995.367	1677289.500	257.198	102.9	0.871	31976	13513	1.09
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.585	70623.688	2884692.250	482.251	96.5	0.817	56108	4560	1.12

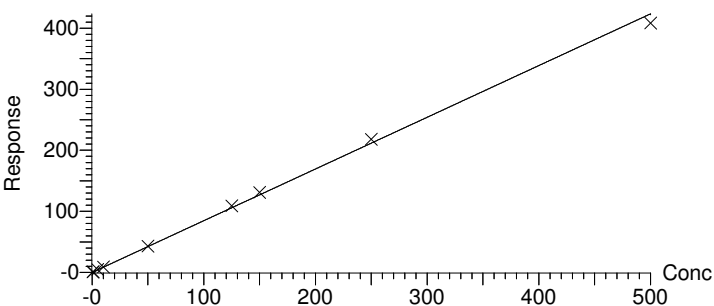
Compound name: PFDoA

Coefficient of Determination: R^2 = 0.998842

Calibration curve: 0.846986 * x

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.594	103829.906	103376.742	9.679	96.8	0.996	4969		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.598	104230.492	103352.375	9.640	96.4	0.992	8544		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.589	99527.453	103349.367	10.095	101.0	1.038	5335		1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.589	99233.398	96274.898	9.432	94.3	0.970	5623		0.96
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.589	89579.898	95651.234	10.381	103.8	1.068	6934		1.08
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.585	80832.117	81334.875	9.782	97.8	1.006	4941		1.02
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.585	77816.188	83380.609	10.417	104.2	1.072	6682		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.585	73446.680	76995.367	10.191	101.9	1.048	1088		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.585	66126.813	70623.688	10.383	103.8	1.068	5402		1.08

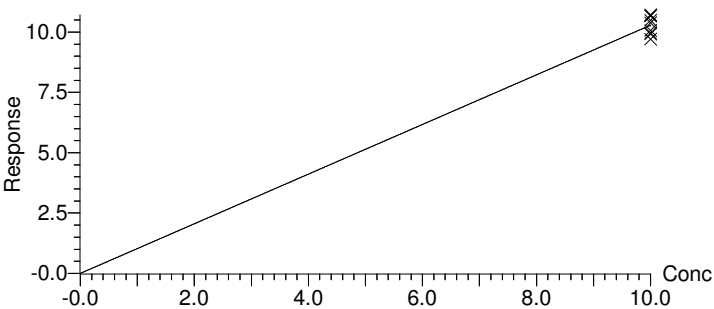
Compound name: MPFDOA

Response Factor: 1.02862

RRF SD: 0.0383792, % Relative SD: 3.73112

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF



Compound name: PFTTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.0...	103376.742	3858.038	0.548	109.5	0.746	123	39	1.09
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.0...	103352.375	8870.826	1.260	126.0	0.858	278	40	0.93
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.0...	103349.367	40715.777	5.800	116.0	0.788	999	458	0.90
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.0...	96274.898	69474.719	10.654	106.5	0.722	2464	783	0.90
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.0...	95651.234	320247.500	50.655	101.3	0.670	7284	2277	0.97
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.0...	81334.875	612946.750	119.054	95.2	0.603	13464	3496	0.91
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.0...	83380.609	780708.688	151.037	100.7	0.624	17843	4869	0.94
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.0...	76995.367	1125203.250	252.665	101.1	0.585	24166	5063	0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.0...	70623.688	1976668.125	730.913	146.2	0.560	38522	10063	0.97

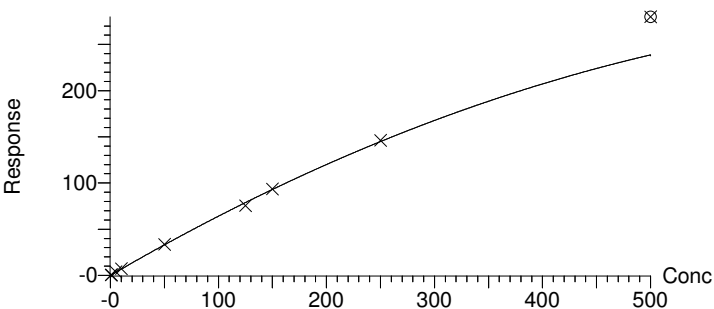
Compound name: PFTTrDA

Coefficient of Determination: R^2 = 0.998963

Calibration curve: -0.000408704 * x^2 + 0.681656 * x

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

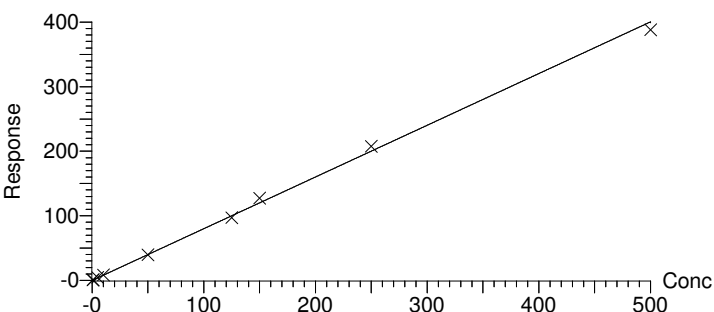
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.3...	84304.094	3678.555	0.545	109.0	0.873	142	38	1.09
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.3...	83480.063	7615.251	1.139	113.9	0.912	284	23020	1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.3...	79194.773	35875.270	5.657	113.1	0.906	1214	612	1.00
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.3...	75865.328	63347.266	10.427	104.3	0.835	2110	173581	1.08
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.3...	73974.609	294391.063	49.694	99.4	0.796	7502	4351	1.12
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.3...	66841.781	649347.938	121.308	97.0	0.777	20638	2554	1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.3...	65493.922	832831.875	158.787	105.9	0.848	20542	10693	1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.3...	60380.074	1254325.750	259.404	103.8	0.831	29832	9847	1.07
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.3...	57111.117	2216106.000	484.540	96.9	0.776	46140	13707	1.12

Compound name: PFTA
Coefficient of Determination: R^2 = 0.998513
Calibration curve: 0.80083 * x
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.3...	103829.906	84304.094	9.938	99.4	0.812	5616		1.07
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.3...	104230.492	83480.063	9.803	98.0	0.801	11763		1.11
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.3...	99527.453	79194.773	9.739	97.4	0.796	8009		1.09
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.3...	99233.398	75865.328	9.357	93.6	0.765	3451		1.10
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.3...	89579.898	73974.609	10.107	101.1	0.826	4377		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.3...	80832.117	66841.781	10.121	101.2	0.827	1339		1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.3...	77816.188	65493.922	10.301	103.0	0.842	18247		1.08
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.3...	73446.680	60380.074	10.062	100.6	0.822	11843		1.06
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.3...	66126.813	57111.117	10.571	105.7	0.864	13106		1.10

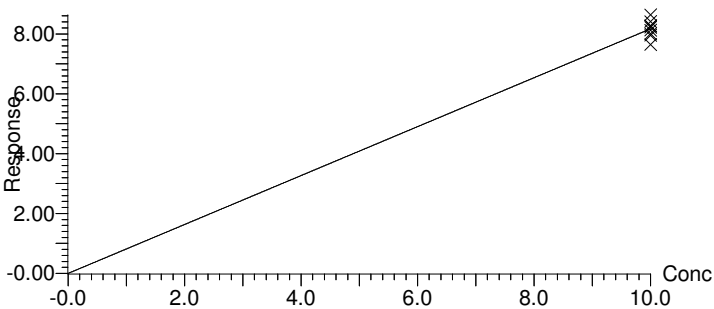
Compound name: M2PFTEDA

Response Factor: 0.817023

RRF SD: 0.0284579, % Relative SD: 3.48313

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

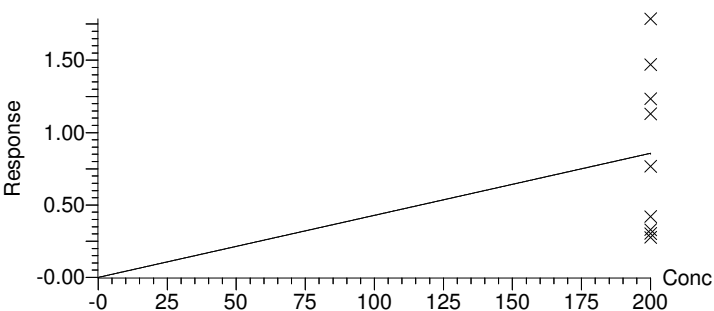
Curve type: RF



Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.426	117636.820	3251.888	64.481	32.2	0.001	973		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.436	114802.125	3469.083	70.486	35.2	0.002	70952		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.423	113627.328	3737.527	76.726	38.4	0.002	93		0.98
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.423	114891.016	4822.583	97.911	49.0	0.002	99973		0.97
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.417	107343.031	8242.578	179.113	89.6	0.004	5169		1.10
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.403	101103.344	11428.816	263.678	131.8	0.006	222317		1.18
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.403	97990.719	12096.718	287.953	144.0	0.006	228130		1.17
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.393	96048.547	14124.396	343.019	171.5	0.007	244179		1.27
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.371	87971.789	15712.972	416.633	208.3	0.009	984		1.69

Compound name: M3HFPO-DA
Response Factor: 0.00428708
RRF SD: 0.00283937, % Relative SD: 66.2309
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	7.427	3251.888	238.749	8.842	88.4	1.468	3	1148	0.96
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	7.444	3469.083	409.914	14.231	71.2	1.182	9322	19	0.72
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	7.424	3737.527	3728.507	120.149	120.1	1.995	2114	27395	1.04
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	7.421	4822.583	8056.205	201.196	100.6	1.671	1404	69032	1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	7.418	8242.578	69989.242	1022.673	102.3	1.698	1569559	571683	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	7.405	11428.816	264458.719	2786.926	111.5	1.851	45709	2048472	1.17
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	7.405	12096.718	306093.281	3047.579	101.6	1.687	23988	18756	1.20
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	7.391	14124.396	593297.063	5059.075	101.2	1.680	210742	3997418	1.44
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	7.372	15712.972	1248449.625	9569.328	95.7	1.589	77760	7046169	1.78

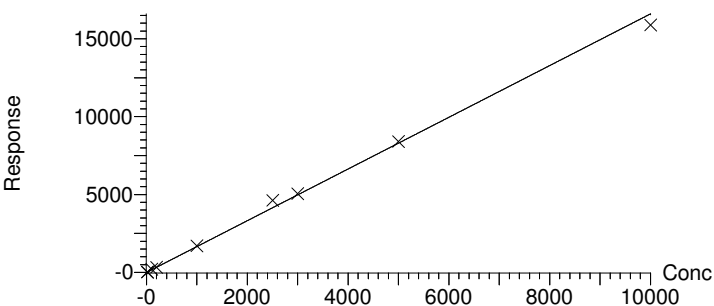
Compound name: HFPO-DA

Coefficient of Determination: R^2 = 0.997230

Calibration curve: 1.66059 * x

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	8.437	114742.953	6287.492	0.417	88.1	1.158	1172		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	8.447	115929.242	15121.663	0.992	104.9	1.379	2464		1.02
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	8.433	112562.227	76970.492	5.201	109.9	1.445	2596		1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	8.433	109470.945	142938.625	9.932	105.0	1.380	10601		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	8.440	106781.555	687811.313	48.997	103.6	1.362	19504		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	8.433	98244.656	1641867.125	127.123	107.5	1.413	55292		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	8.433	98053.172	1853079.125	143.757	101.3	1.332	72891		1.02
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	8.437	90653.047	2918572.000	244.897	103.5	1.361	74345		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	8.433	85048.031	5047635.000	451.460	95.4	1.255	47725		1.09

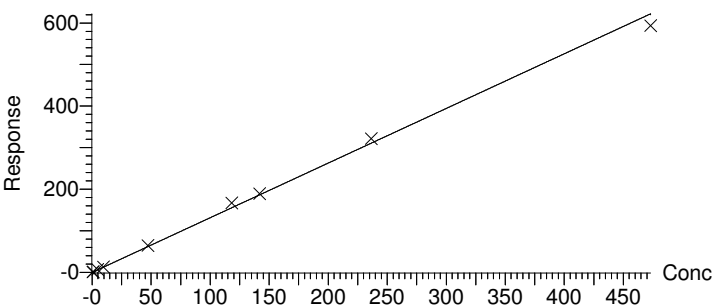
Compound name: ADONA

Coefficient of Determination: R^2 = 0.997914

Calibration curve: 1.31463 * x

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

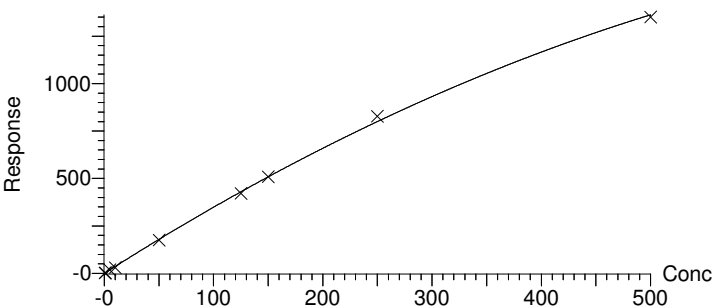
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.7...	18213.158	3366.715	0.503	100.6	3.697	505		1.05
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.7...	17328.859	6644.953	1.044	104.4	3.835	928		1.21
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.7...	16612.740	31167.045	5.116	102.3	3.752	3623		1.30
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.7...	19278.168	56900.813	8.061	80.6	2.952	6732		1.20
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.7...	15306.165	269633.094	49.164	98.3	3.523	29792		1.14
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.7...	13694.694	578244.250	122.629	98.1	3.378	52689		1.26
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.7...	13524.559	689195.813	150.297	100.2	3.397	73549		1.18
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.7...	12594.792	1043086.625	260.356	104.1	3.313	94086		1.22
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.7...	11692.363	1578940.250	493.304	98.7	2.701	166713		1.17

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999095
Calibration curve: -0.00190397 * x^2 + 3.6767 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.9...	18213.158	1986.248	0.405	81.0	2.181	233		0.97
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.9...	17328.859	4022.923	0.862	86.2	2.322	398		1.09
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.9...	16612.740	20393.104	4.568	91.4	2.455	1868		1.12
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.9...	19278.168	38946.125	7.529	75.3	2.020	3365		1.16
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.9...	15306.165	185708.469	46.110	92.2	2.427	18932		1.21
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.9...	13694.694	447829.469	129.854	103.9	2.616	34969		0.96
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.9...	13524.559	517897.969	154.059	102.7	2.553	44245		1.09
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.9...	12594.792	747346.625	252.158	100.9	2.374	68089		1.14
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.9...	11692.363	1172348.500	495.065	99.0	2.005	1863		1.27

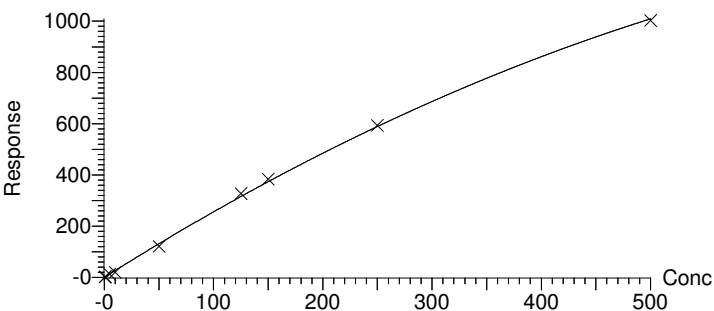
Compound name: PFODA

Coefficient of Determination: R^2 = 0.998424

Calibration curve: $-0.00134983 \cdot x^2 + 2.69357 \cdot x$

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

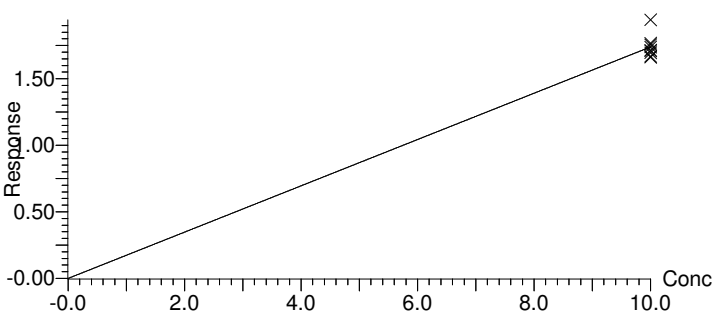
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	12.7...	103829.906	18213.158	10.086	100.9	0.175	5928		1.19
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.7...	104230.492	17328.859	9.560	95.6	0.166	22620		1.19
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	12.7...	99527.453	16612.740	9.598	96.0	0.167	4836		1.15
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	12.7...	99233.398	19278.168	11.170	111.7	0.194	15355		1.24
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	12.7...	89579.898	15306.165	9.825	98.2	0.171	2825		1.12
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	12.7...	80832.117	13694.694	9.742	97.4	0.169	7300		1.26
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	12.7...	77816.188	13524.559	9.993	99.9	0.174	28		1.16
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	12.7...	73446.680	12594.792	9.860	98.6	0.171	7852		1.17
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	12.7...	66126.813	11692.363	10.167	101.7	0.177	2573		1.22

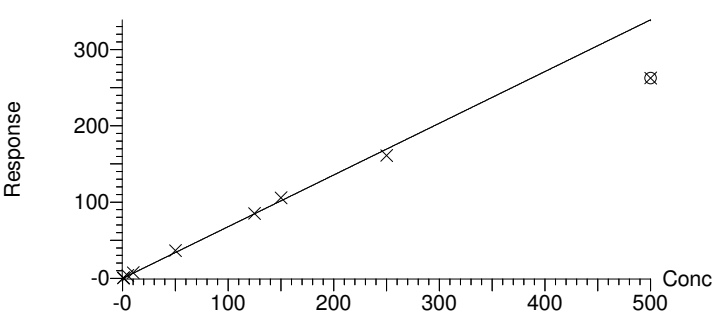
Compound name: M2PFHxDA
Response Factor: 0.173916
RRF SD: 0.00842697, % Relative SD: 4.84542
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.997	7863.209	278.948	0.523	104.7	0.710	93	30	0.75
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	12.0...	8337.590	611.248	1.082	108.2	0.733	11908	94	0.73
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.993	7856.718	2929.418	5.501	110.0	0.746	52599	28916	0.85
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.993	7611.157	5766.223	11.178	111.8	0.758	103350	54427	0.80
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.997	7647.324	28014.129	54.048	108.1	0.733	402	416	0.78
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.989	6866.474	58473.602	125.644	100.5	0.681	3172	1156	0.85
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.989	6560.688	69331.211	155.917	103.9	0.705	8238	1521	0.87
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.989	5910.273	95180.961	237.606	95.0	0.644	9536	5126	0.87
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.989	5658.023	148644.109	387.613	77.5	0.525	9737	3816	0.88

Compound name: PFDoS
Coefficient of Determination: R^2 = 0.997593
Calibration curve: 0.677774 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.610	3535.170	161.659	0.438	90.9	0.949	4		0.93
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.615	3740.494	464.091	1.191	123.5	1.287	92		1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.602	3681.261	2106.882	5.561	115.4	1.187	40717		0.96
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.602	3572.389	3399.108	9.346	96.9	0.987	152		1.02
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.606	4282.424	18204.355	46.805	97.1	0.882	2155		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.602	4755.468	39855.957	121.752	101.0	0.696	749660		0.93
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.602	4958.818	47687.137			0.665	638		0.97
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.602	6317.642	73627.555			0.484	1060		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.602	8145.643	120840.695			0.308	46485		0.98

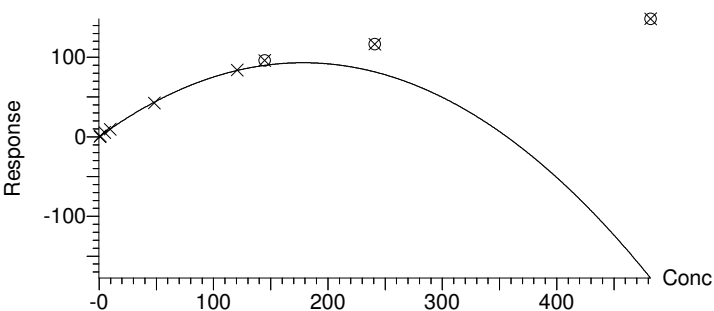
Compound name: 10:2FTS

Coefficient of Determination: R^2 = 0.997942

Calibration curve: $-0.00293343 * x^2 + 1.04552 * x$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

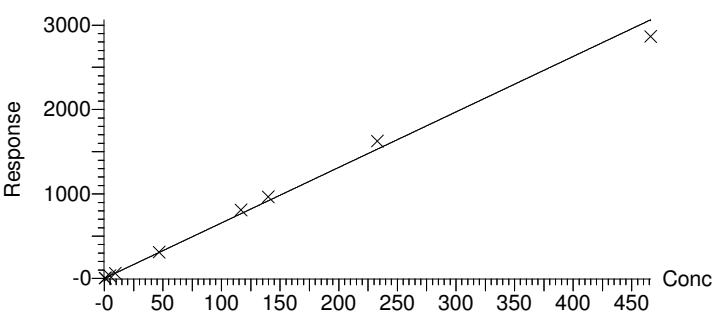
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	10.3...	7863.209	2189.338	0.424	90.9	5.975	105		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	10.3...	8337.590	4366.216	0.797	85.5	5.619	164		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	10.3...	7856.718	25231.883	4.887	104.9	6.892	1198		0.99
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	10.3...	7611.157	47425.988	9.481	101.7	6.686	2295		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	10.3...	7647.324	237445.078	47.245	101.4	6.663	14849		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	10.3...	6866.474	556615.500	123.346	105.9	6.958	24367		1.00
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	10.3...	6560.688	635029.375	147.281	105.4	6.924	29977		1.04
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	10.3...	5910.273	962077.688	247.688	106.3	6.986	41908		0.98
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	10.3...	5658.023	1621731.250	436.130	93.6	6.151	51120		1.03

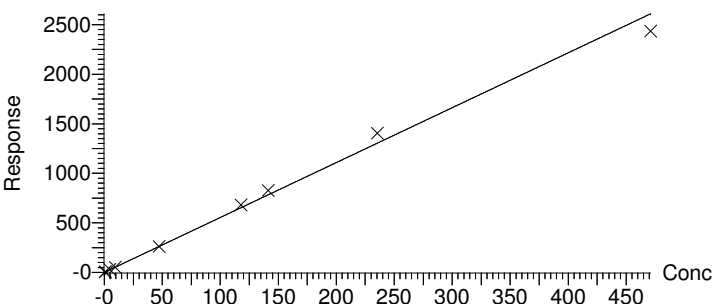
Compound name: 9CL-PF3ONS
Coefficient of Determination: R^2 = 0.996306
Calibration curve: 6.57201 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: 11CL-PFOUdS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.388	7863.209	1756.393	0.403	85.6	4.742	25984		1.00
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.393	8337.590	4417.228	0.956	101.5	5.624	65545		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.383	7856.718	21642.189	4.972	105.6	5.848	2548		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.383	7611.157	39059.797	9.263	98.3	5.448	8974		1.00
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.388	7647.324	200296.078	47.274	100.4	5.561	12642		0.99
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.383	6866.474	466932.875	122.738	104.2	5.775	9285		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.383	6560.688	542068.938	149.130	105.5	5.847	21115		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.383	5910.273	830742.500	253.699	107.7	5.969	41063		1.01
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.388	5658.023	1378541.500	439.759	93.4	5.173	33235		0.96

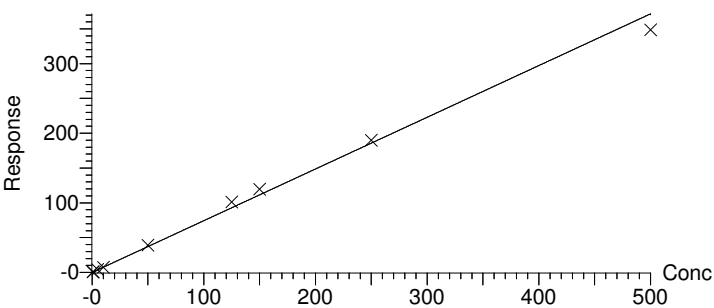
Compound name: 11CL-PFOUdS
Coefficient of Determination: R^2 = 0.995887
Calibration curve: 5.5404 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.628	10818.715	384.162	0.478	95.6	0.710	125	68	0.95
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.624	10918.389	820.677	1.011	101.1	0.752	195	9328	1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.620	10805.029	4555.991	5.673	113.5	0.843	1070	53071	1.03
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.620	11452.094	8668.560	10.184	101.8	0.757	527	1214	1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.624	11659.144	45476.523	52.480	105.0	0.780	2752	2221	1.05
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.620	10937.316	110688.570	136.165	108.9	0.810	4013	2943	1.04
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.624	10578.706	126611.172	161.032	107.4	0.798	3996	2301	0.99
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.624	10789.468	204880.891	255.491	102.2	0.760	6232	5461	1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.628	10956.525	381907.094	468.985	93.8	0.697	6666	9403	0.99

Compound name: NMeFOSA
Coefficient of Determination: R^2 = 0.996194
Calibration curve: 0.743235 * x
Response type: Internal Std (Ref 69), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.616	103829.906	10818.715	8.176	81.8	0.104	981		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.620	104230.492	10918.389	8.220	82.2	0.105	418		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.612	99527.453	10805.029	8.519	85.2	0.109	789		1.08
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.616	99233.398	11452.094	9.056	90.6	0.115	1426		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.620	89579.898	11659.144	10.213	102.1	0.130	1008		0.96
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.616	80832.117	10937.316	10.618	106.2	0.135	479		0.98
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.616	77816.188	10578.706	10.668	106.7	0.136	2667		0.98
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.616	73446.680	10789.468	11.528	115.3	0.147	813		1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.620	66126.813	10956.525	13.002	130.0	0.166	989		1.02

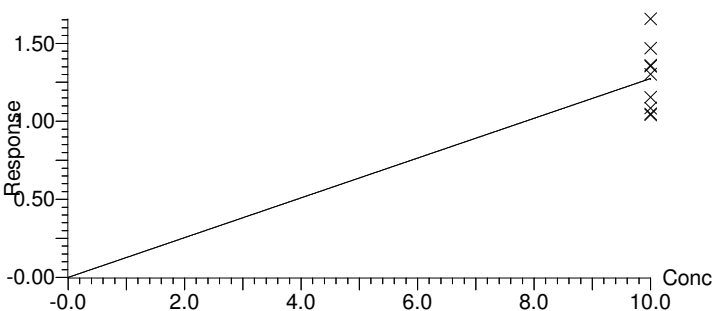
Compound name: d3-NMeFOSA

Response Factor: 0.127435

RRF SD: 0.0210344, % Relative SD: 16.5059

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

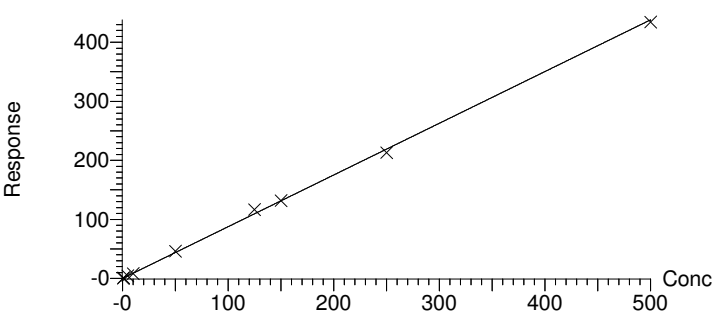
Curve type: RF



Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.916	11992.311	291.889	0.278	55.6	0.487	35	8	1.23
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.924	10513.078	950.658	1.032	103.2	0.904	16167	2464	1.00
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.920	10840.465	4897.970	5.157	103.1	0.904	826	162	1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.920	11690.228	9820.464	9.587	95.9	0.840	1432	25080	1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.924	10655.923	49116.805	52.606	105.2	0.922	2351	562	1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.920	10271.625	119958.141	133.286	106.6	0.934	4025	1054	1.01
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.920	10793.446	142438.000	150.612	100.4	0.880	5314	4771	1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.920	10700.851	228133.797	243.312	97.3	0.853	6235	1669	1.05
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.924	9807.835	425931.281	495.631	99.1	0.869	10705	3724	1.00

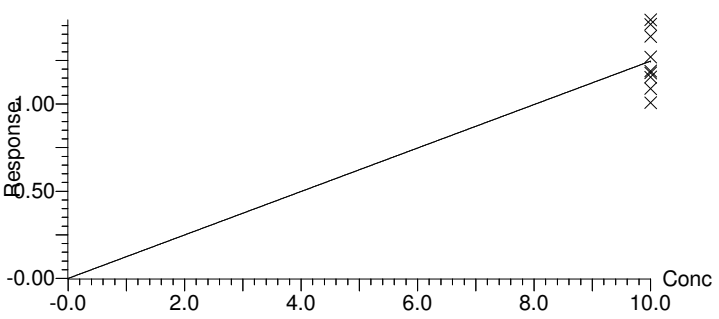
Compound name: NEtFOSA
Coefficient of Determination: R^2 = 0.999041
Calibration curve: 0.876209 * x
Response type: Internal Std (Ref 71), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.912	103829.906	11992.311	9.266	92.7	0.115	896		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.916	104230.492	10513.078	8.092	80.9	0.101	343		1.01
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.912	99527.453	10840.465	8.738	87.4	0.109	567		0.95
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.912	99233.398	11690.228	9.451	94.5	0.118	1110		1.01
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.912	89579.898	10655.923	9.543	95.4	0.119	1698		1.02
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.908	80832.117	10271.625	10.195	101.9	0.127	780		1.05
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.908	77816.188	10793.446	11.128	111.3	0.139	283		1.07
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.912	73446.680	10700.851	11.689	116.9	0.146	396		0.97
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.912	66126.813	9807.835	11.899	119.0	0.148	2196		1.03

Compound name: d5-NEtFOSA
Response Factor: 0.124648
RRF SD: 0.0165181, % Relative SD: 13.2517
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:47:36 Eastern Standard Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.627	6181.065	439.839	0.352	70.4	1.423	42		1.03
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.631	5601.364	847.873	0.748	74.8	1.514	70		0.99
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.623	5583.996	5940.177	5.259	105.2	2.128	542		1.02
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.623	5732.216	10782.405	9.298	93.0	1.881	746		1.03
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.627	5433.837	54087.008	49.204	98.4	1.991	2768		1.01
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.623	4843.435	128959.344	131.619	105.3	2.130	2932		1.02
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.623	4724.134	153741.500	160.875	107.2	2.170	6049		1.05
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.627	4616.492	245769.922	263.169	105.3	2.129	9707		1.00
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.631	4357.240	415137.313	470.976	94.2	1.906	5246		0.97

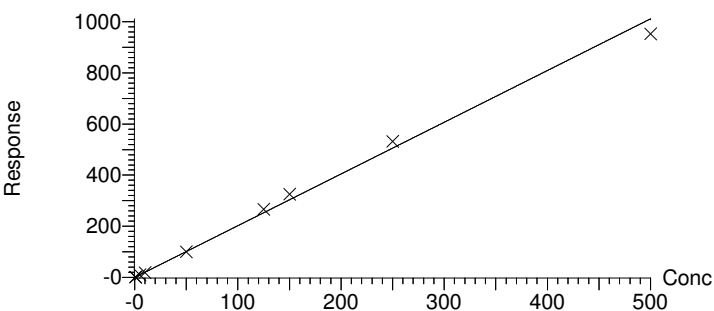
Compound name: NMeFOSE

Coefficient of Determination: R^2 = 0.996553

Calibration curve: 2.02293 * x

Response type: Internal Std (Ref 73), Area * (IS Conc. / IS Area)

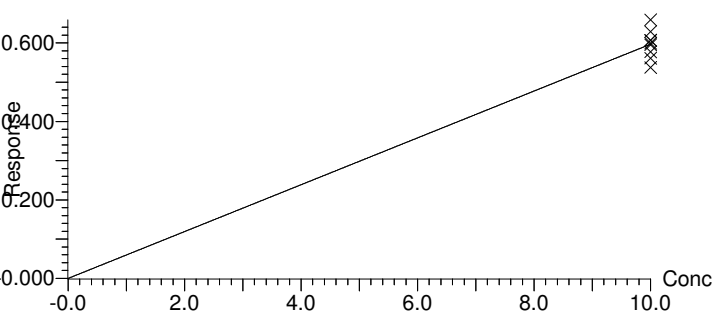
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.610	103829.906	6181.065	9.974	99.7	0.060	246		1.06
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.610	104230.492	5601.364	9.004	90.0	0.054	196		1.07
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.606	99527.453	5583.996	9.400	94.0	0.056	229		1.06
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.606	99233.398	5732.216	9.678	96.8	0.058	271		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.610	89579.898	5433.837	10.163	101.6	0.061	271		1.06
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.606	80832.117	4843.435	10.039	100.4	0.060	248		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.606	77816.188	4724.134	10.171	101.7	0.061	201		1.03
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.610	73446.680	4616.492	10.531	105.3	0.063	294		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.610	66126.813	4357.240	11.040	110.4	0.066	262		1.07

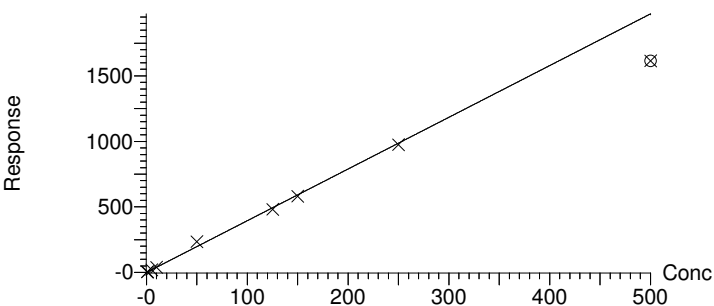
Compound name: d7-NMeFOSE
Response Factor: 0.0596862
RRF SD: 0.00357941, % Relative SD: 5.99705
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.913	3594.417	567.950	0.400	80.1	3.160	9582		0.99
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.913	3264.972	1238.596	0.961	96.1	3.794	19982		1.04
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.909	3288.860	6476.007	4.988	99.8	3.938	750		1.01
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.909	3120.817	12372.700	10.043	100.4	3.965	783		1.04
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.913	2782.245	65148.242	59.318	118.6	4.683	2943		1.00
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.909	3094.809	148854.578	121.844	97.5	3.848	4737		0.99
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.909	3077.430	178591.047	147.011	98.0	3.869	6366		1.00
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.909	2927.529	285368.000	246.934	98.8	3.899	5042		1.03
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.909	3114.293	502556.594	408.793	81.8	3.227	14003		1.06

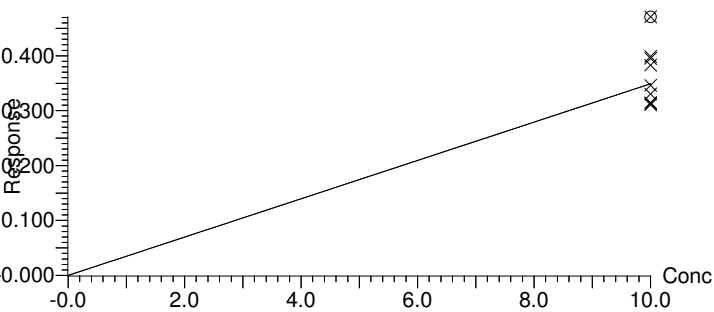
Compound name: NEtFOSE
Coefficient of Determination: R^2 = 0.996634
Calibration curve: 3.9475 * x
Response type: Internal Std (Ref 75), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1° S/N	2° S/N	(b/a)
1	I13434	IA2-537STD0.5	18-Nov-19	10:24:43	11.893	103829.906	3594.417	9.920	99.2	0.035	301		1.04
2	I13435	IA2-537STD1.0	18-Nov-19	10:53:49	11.897	104230.492	3264.972	8.976	89.8	0.031	178		0.98
3	I13436	IA2-537STD5.0	18-Nov-19	11:10:20	11.889	99527.453	3288.860	9.469	94.7	0.033	211		1.07
4	I13437	IA2-537STD10.0	18-Nov-19	11:26:51	11.893	99233.398	3120.817	9.012	90.1	0.031	173		0.98
5	I13438	IA2-537STD50.0	18-Nov-19	11:43:24	11.893	89579.898	2782.245	8.900	89.0	0.031	135		1.03
6	I13439	IA2-537STD125	18-Nov-19	12:00:10	11.889	80832.117	3094.809	10.971	109.7	0.038	197		1.03
7	I13440	IA2-537STD150	18-Nov-19	12:16:43	11.893	77816.188	3077.430	11.332	113.3	0.040	198		0.95
8	I13441	IA2-537STD250	18-Nov-19	12:33:16	11.889	73446.680	2927.529	11.421	114.2	0.040	137		1.02
9	I13442	IA2-537STD500	18-Nov-19	12:49:53	11.893	66126.813	3114.293	13.495	135.0	0.047	162		1.01

Compound name: d9-NEtFOSE
Response Factor: 0.0348987
RRF SD: 0.00379155, % Relative SD: 10.8645
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD0.5

Name: I13434

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	2022		0.462		na	92.4
2	M3PFBA	INT STD	2.20	215.926 > 172.122	48557		10.479		na	104.8
3	MPFBA	INT STD	2.20	216.926 > 172.137	52425		9.921		na	99.2
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	3492		0.475		na	95.0
5	M5PFPEA	INT STD	5.10	267.989 > 223.081	76105		10.154		na	101.5
6	PFBS	375-73-5	5.75	298.926 > 79.923	655		0.430	2.16	NO	97.1
7	M3PFBS	INT STD	5.75	301.989 > 80.254	10366		9.717		na	97.2
8	4:2FTS	757124-72-4	6.92	326.926 > 306.957	265		0.475	1.86	NO	101.7
9	M2-4:2FTS	INT STD	6.92	329.117 > 309.079	5032		7.265		na	72.7
10	PFHxA	307-24-4	7.00	312.989 > 269.028	4783		0.602	21.03	NO	120.4
11	M5PFHxA	INT STD	7.00	317.989 > 273.045	86318		9.586		na	95.9
12	PFPeS	2706-91-4	7.31	348.926 > 80.251	447		0.423	1.69	NO	90.1
13	PFHpA	375-85-9	8.26	362.926 > 319.014	5195		0.489	6.15	NO	97.8
14	M4PFHpA	INT STD	8.26	366.926 > 321.979	117836		9.824		na	98.2
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	11 M5		0.015		YES	17.8
16	L-PFHxS	355-46-4	8.42	398.926 > 80.295	259		0.328	1.26	NO	88.7
17	PFHxS	355-46-4		398.926 > 80.295	270		0.343		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	6305		10.241		na	102.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	5268		0.500	12.88	NO	100.0
21	PFOA	335-67-1		412.989 > 368.9	5268		0.500		na	
22	M8PFOA	INT STD	9.20	420.989 > 375.979	114743		9.968		na	99.7
23	M2PFOA	INT STD	9.19	415.032 > 369.968	117637		11.128		na	111.3
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	137		0.321		YES	67.6
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	5244		7.748		na	77.5
26	PFHpS	375-92-8	9.29	448.926 > 80.257	144		0.279	0.56	NO	58.7
27	PFNA	375-95-1	9.95	462.989 > 418.931	4411		0.471	5.33	NO	94.1
28	M9PFNA	INT STD	9.95	472.053 > 426.947	114402		10.101		na	101.0
29	br-PFOS	1763-23-1	9.72	498.989 > 80.294	63 M5		0.062		YES	61.5
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	210		0.272	0.98	NO	74.6
31	PFOS	1763-23-1		498.989 > 80.294	273		0.334		na	
32	M4PFOS	INT STD	10.00	503.032 > 80.306	7621		10.912		na	109.1
33	M8PFOS	INT STD	9.99	507.053 > 80.294	7863		10.056		na	100.6
34	PFDA	335-76-2	10.57	513.053 > 468.906	4686		0.518	7.93	NO	103.6
35	M2PFDA	INT STD	10.58	515.053 > 469.934	103830		11.760		na	117.6
36	M6PFDA	INT STD	10.57	519.053 > 473.931	105487		9.830		na	98.3
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	207		0.538		na	112.0
38	M2-8:2FTS	INT STD	10.57	529.053 > 508.945	3535		8.903		na	89.0
39	PFNS	68259-12-1	10.60	548.989 > 80.249	306		0.419	0.90	NO	87.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

ID: IA2-537STD0.5

Name: I13434

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.96	573.096 > 418.987	9576		7.836		na	78.4
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	325		0.364	2.10	NO	72.7
43	NMeFOSAA	2355-31-9		570.053 > 418.917	325		0.364		na	
44	PFUnA	2058-94-8	11.12	562.989 > 518.903	4612		0.473	10.10	NO	94.6
45	M7-PFUDA	INT STD	11.12	570.053 > 524.923	101992		10.713		na	107.1
46	PFDS	335-77-3	11.12	598.926 > 80.314	243		0.464	1.04	NO	96.2
47	FOSA	754-91-6	11.01	497.989 > 78.245	942		0.386		YES	77.3
48	M8FOSA	INT STD	11.01	506.053 > 78.286	22949		9.045		na	90.5
49	d5-NEtFOSAA	INT STD	11.25	589.117 > 418.929	8483		7.858		na	78.6
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.26	583.989 > 418.927	426		0.532	3.84	NO	106.4
52	NEtFOSAA	2991-50-6		583.989 > 418.927	426		0.532		na	
53	PFDaA	307-55-1	11.59	612.989 > 568.967	4842		0.553	17.72	NO	110.6
54	MPFDOA	INT STD	11.59	614.989 > 569.92	103377		9.679		na	96.8
55	PFTrDA	72629-94-8	12.00	663.053 > 618.969	3858		0.548	9.96	NO	109.5
56	PFTA	376-06-7	12.36	713.053 > 668.976	3679		0.545	13.27	NO	109.0
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	84304		9.938		na	99.4
58	M3HFPO-DA	INT STD	7.43	331.989 > 286.995	3252		64.481		na	32.2
59	HFPO-DA	13252-13-6	7.43	284.819 > 169.094	239		8.842	5.42	NO	88.4
60	ADONA	958445-44-8	8.44	376.926 > 251.005	6287		0.417		na	88.1
61	PFHxDA		12.79	813.053 > 769.005	3367		0.503		na	100.6
62	PFODA		12.99	912.989 > 869.032	1986		0.405		na	81.0
63	M2PFHxDA		12.78	815.372 > 770.158	18213		10.086		na	100.9
64	PFDoS		12.00	698.649 > 79.853	279		0.523	3.32	NO	104.7
65	10:2FTS		11.61	626.862 > 606.896	162 M2		0.438		na	90.9
66	9CL-PF3ONS		10.34	530.862 > 350.843	2189		0.424		na	90.9
67	11CL-PFOUdS		11.39	630.862 > 450.854	1756		0.403		na	85.6
68	NMeFOSA		11.63	511.804 > 168.906	384		0.478	1.58	NO	95.6
69	d3-NMeFOSA		11.62	514.84 > 168.917	10819		8.176		na	81.8
70	NEtFOSA		11.92	525.84 > 168.92	292		0.278	5.11	NO	55.6
71	d5-NEtFOSA		11.91	530.904 > 168.919	11992		9.266		na	92.7
72	NMeFOSE		11.63	615.862 > 58.9	440		0.352		na	70.4
73	d7-NMeFOSE		11.61	622.84 > 58.964	6181		9.974		na	99.7
74	NEtFOSE		11.91	629.862 > 58.899	568		0.400		na	80.1
75	d9-NEtFOSE		11.89	638.734 > 58.964	3594		9.920		na	99.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

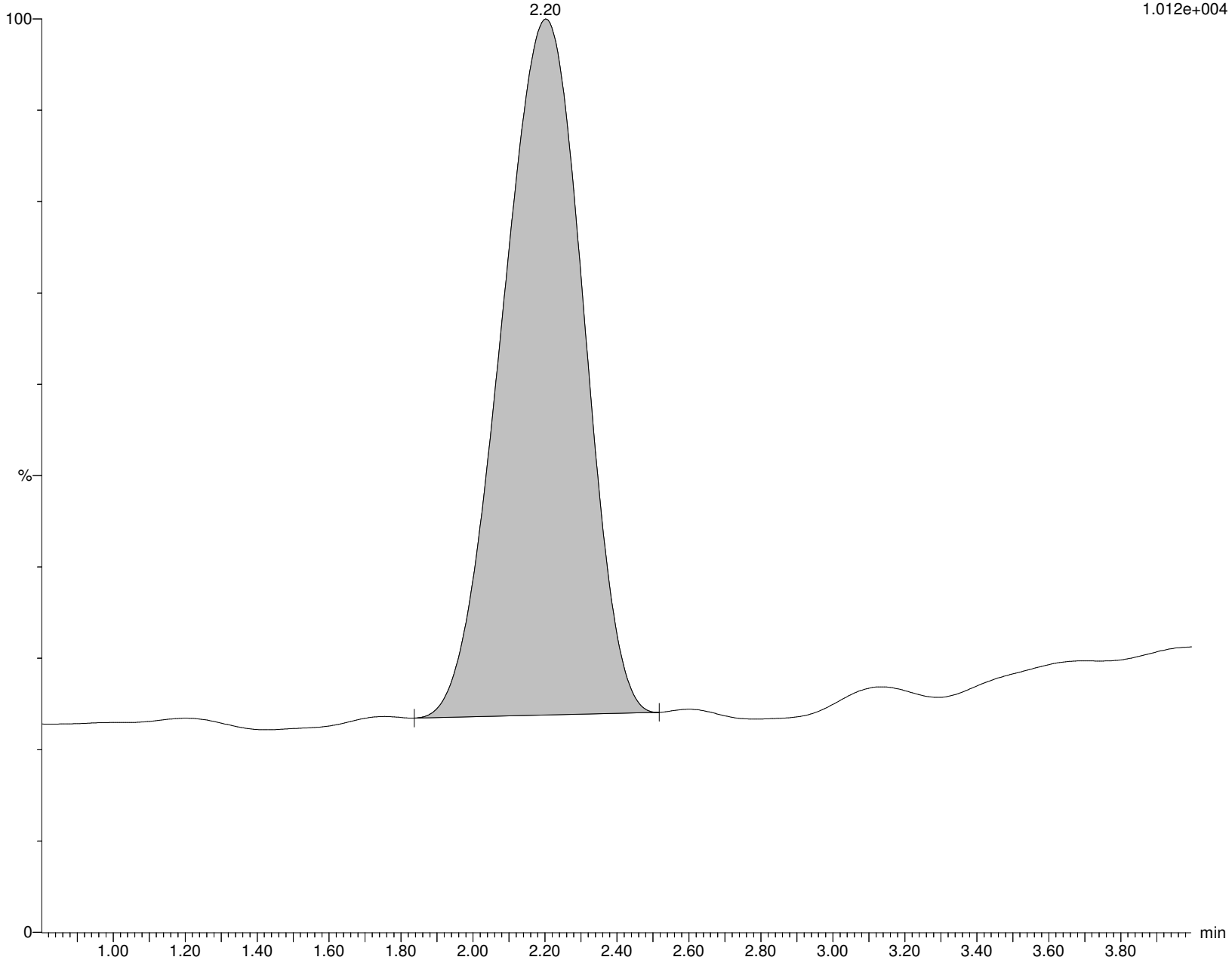
I13434 Smooth(Mn,8x8)

WG1310082,,537_190904_1 IA2-537STD0.5

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.012e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

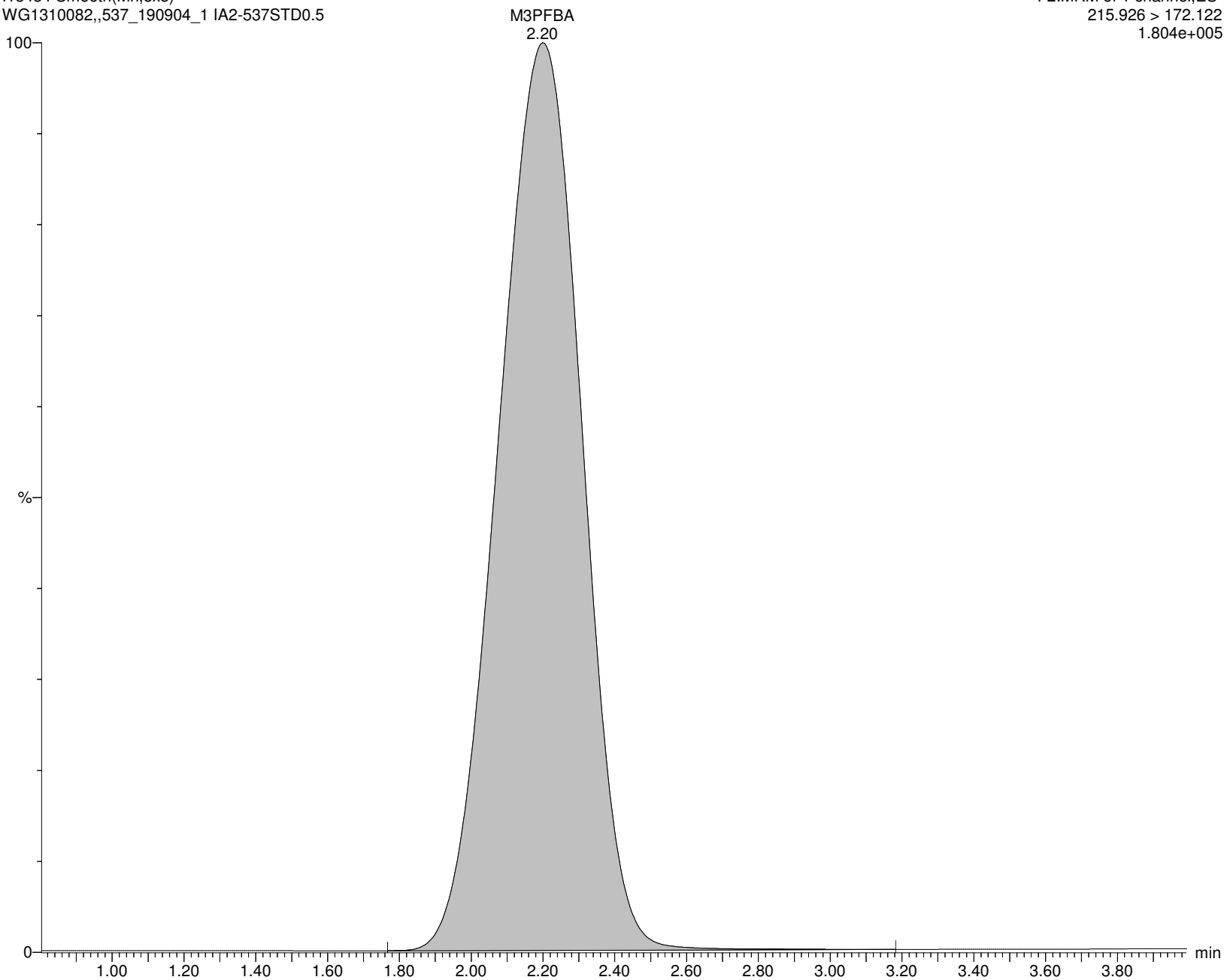
I13434 Smooth(Mn,8x8)

WG1310082,,537_190904_1 IA2-537STD0.5

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.804e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

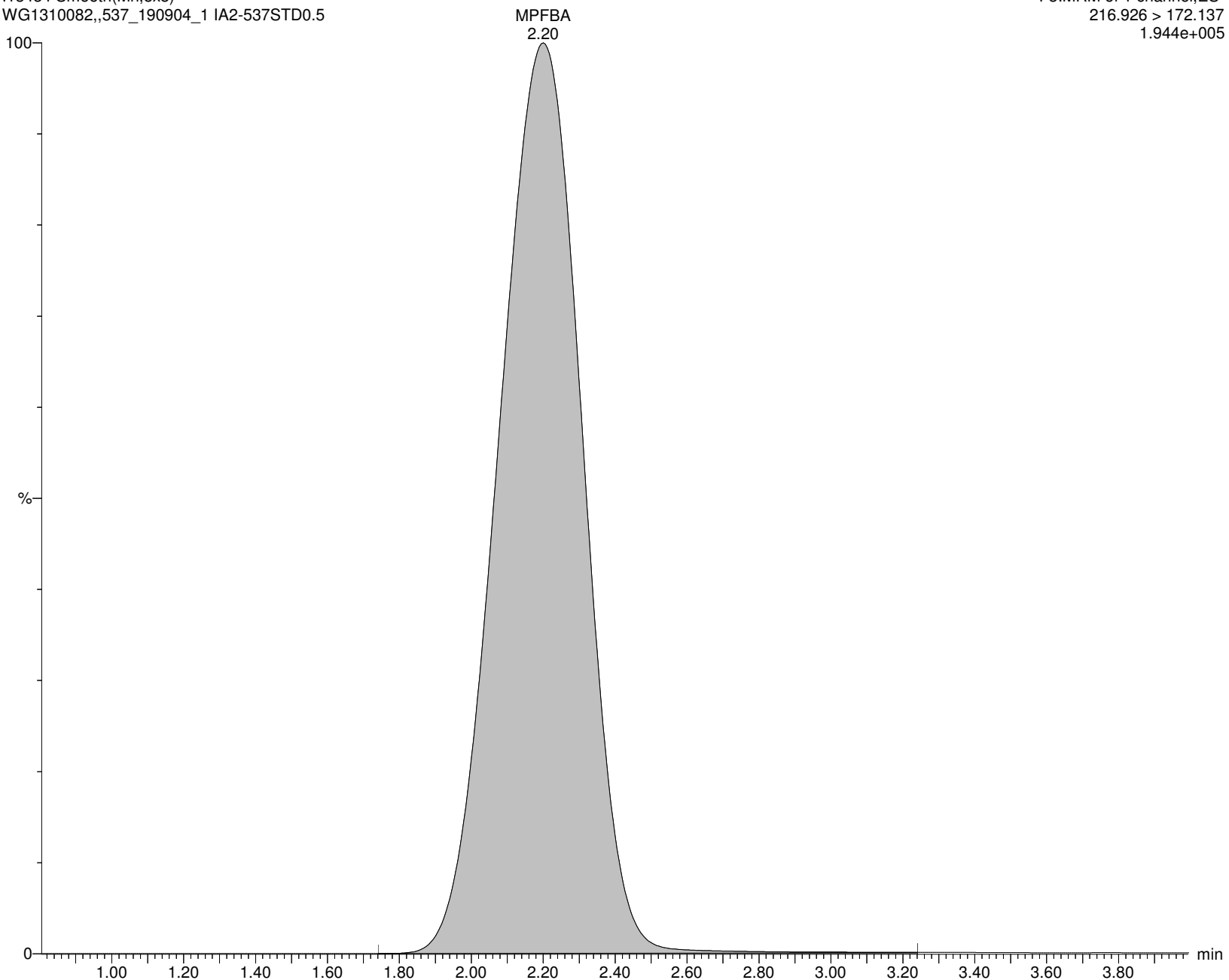
I13434 Smooth(Mn,8x8)

WG1310082,,537_190904_1 IA2-537STD0.5

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.944e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

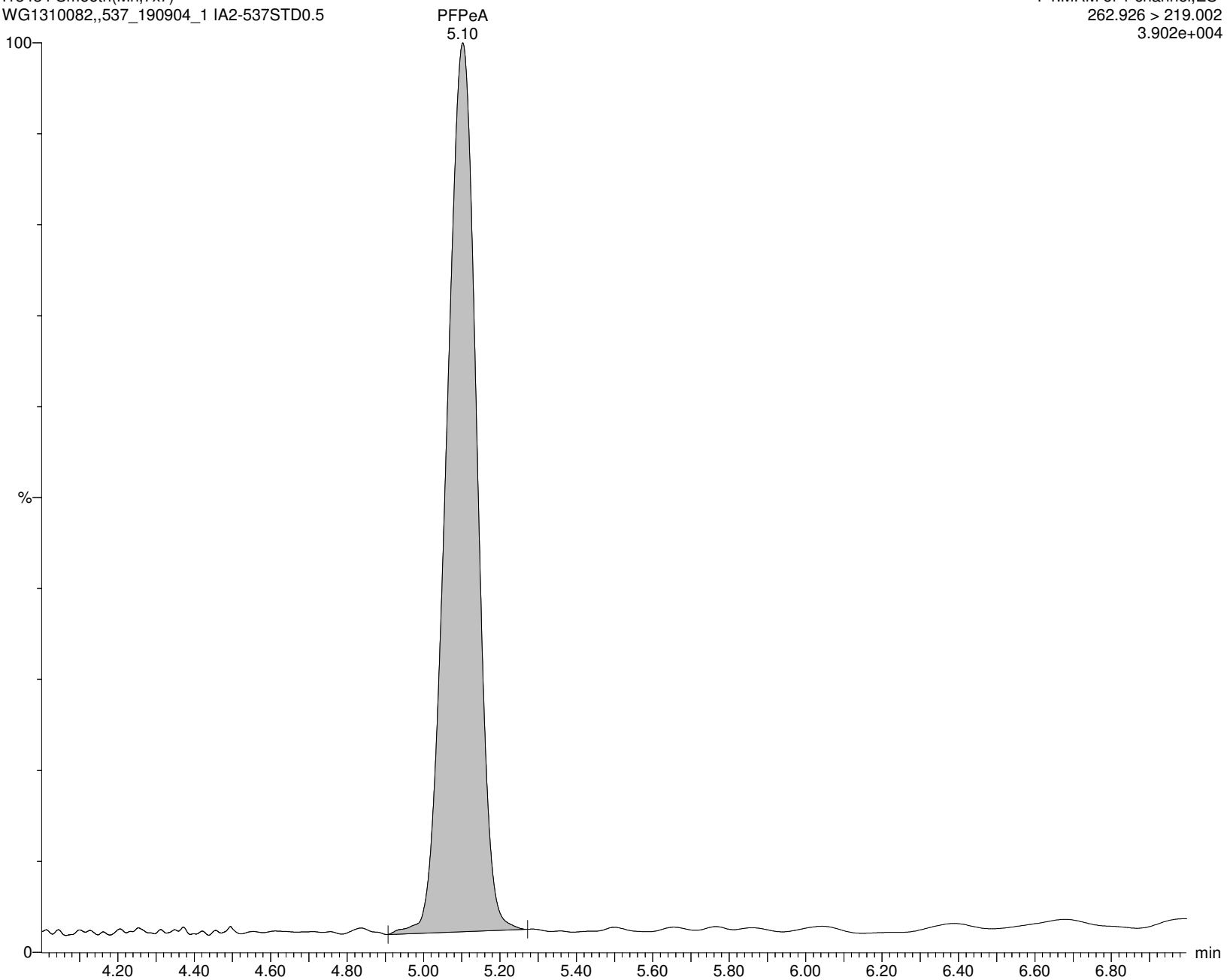
I13434 Smooth(Mn,7x7)

WG1310082,,537_190904_1 IA2-537STD0.5

F4:MRM of 1 channel,ES-

262.926 > 219.002

3.902e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

I13434 Smooth(Mn,10x10)

WG1310082,,537_190904_1 IA2-537STD0.5

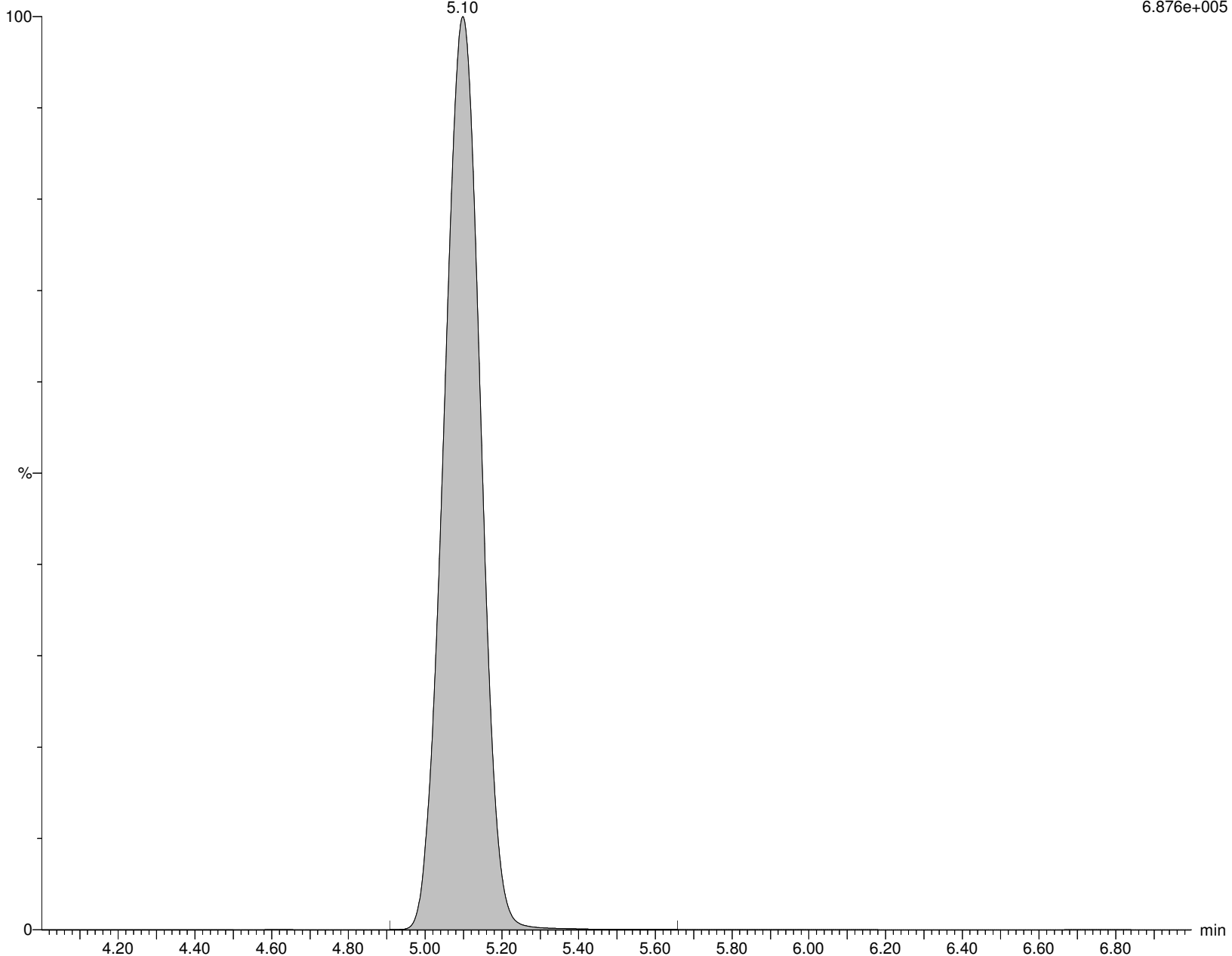
M5PFPEA

5.10

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.876e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

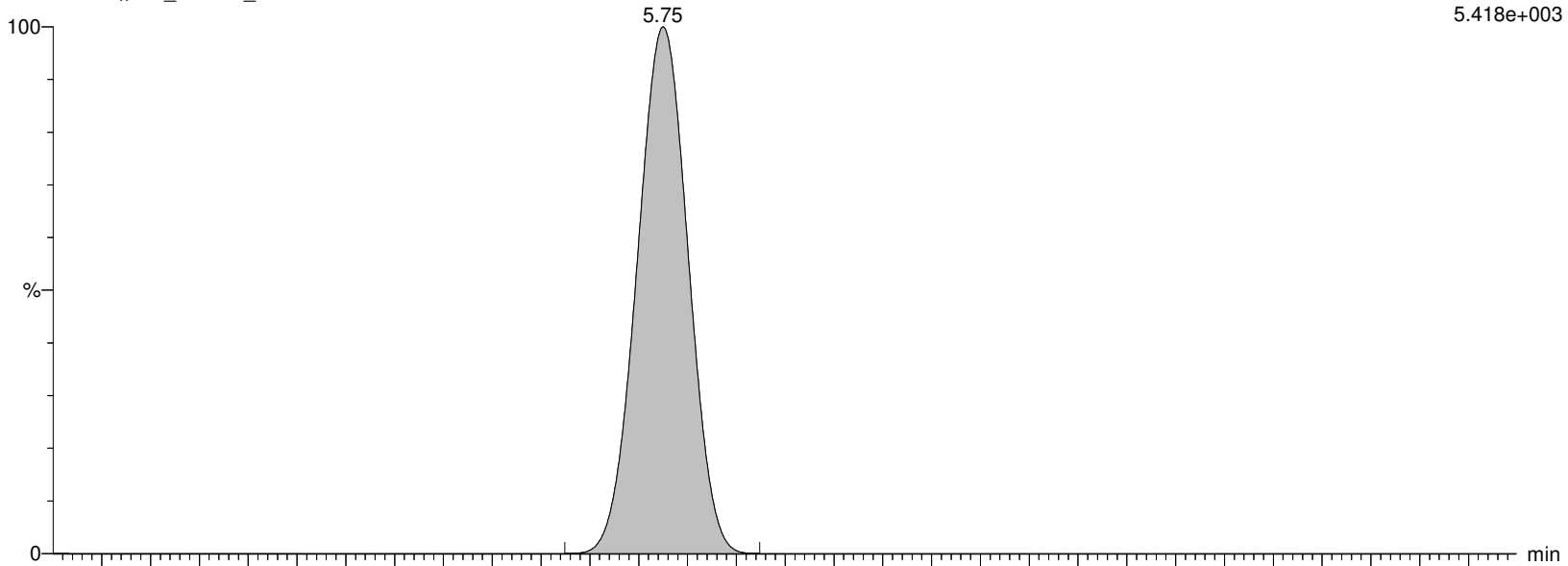
I13434 Smooth(Mn,10x10)

WG1310082,,537_190904_1 IA2-537STD0.5

F7:MRM of 2 channels,ES-

298.926 > 79.923

5.418e+003



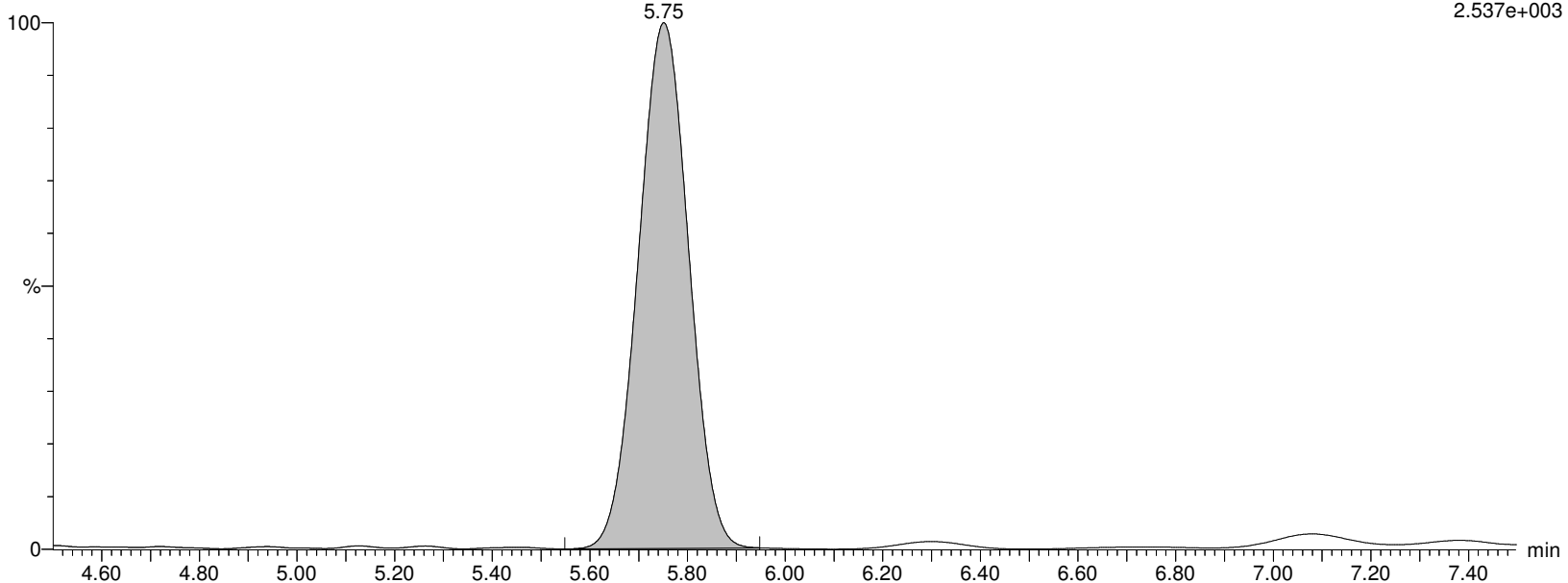
I13434 Smooth(Mn,10x10)

WG1310082,,537_190904_1 IA2-537STD0.5

F7:MRM of 2 channels,ES-

298.926 > 98.862

2.537e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBS

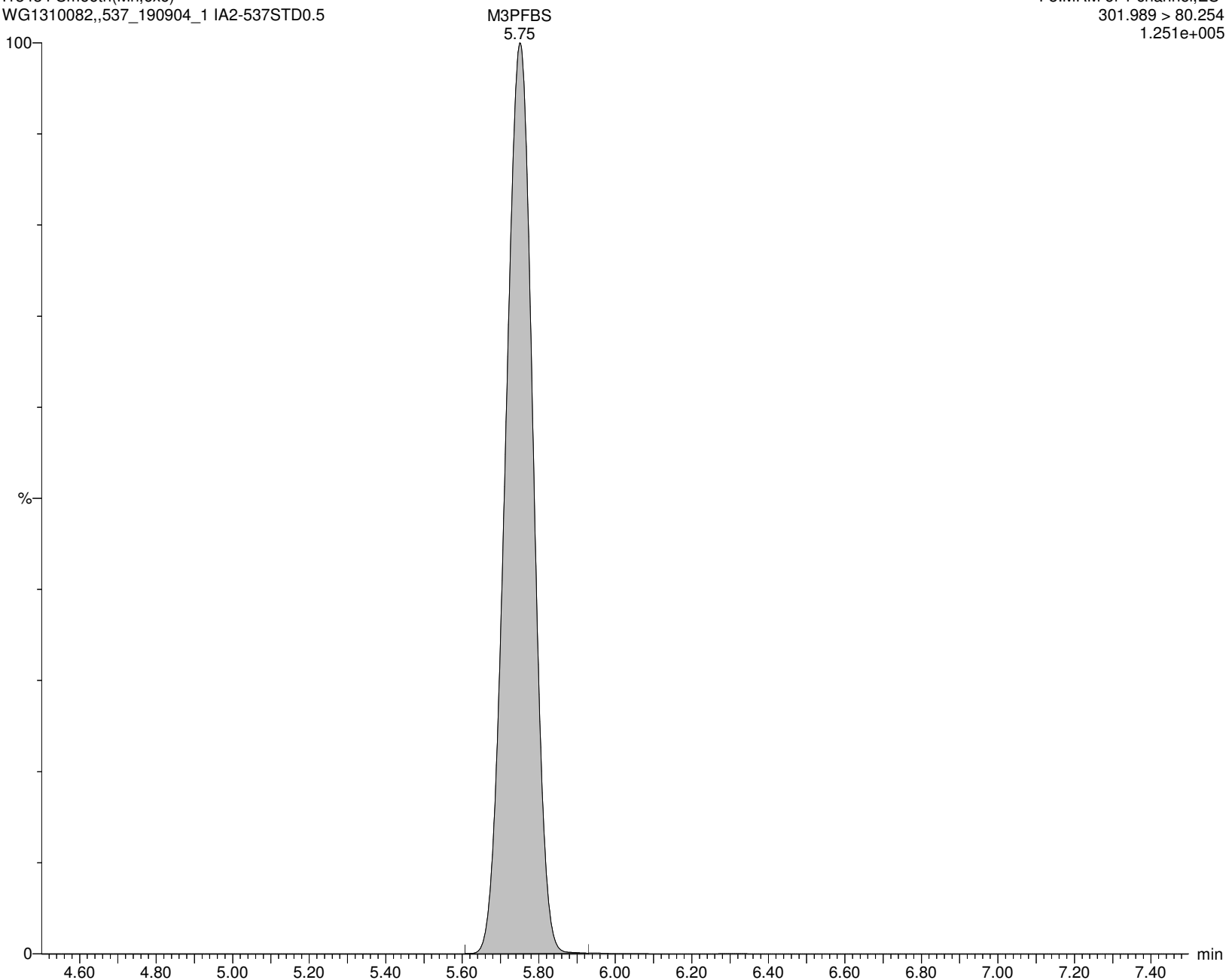
I13434 Smooth(Mn,6x6)

WG1310082,,537_190904_1 IA2-537STD0.5

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.251e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

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Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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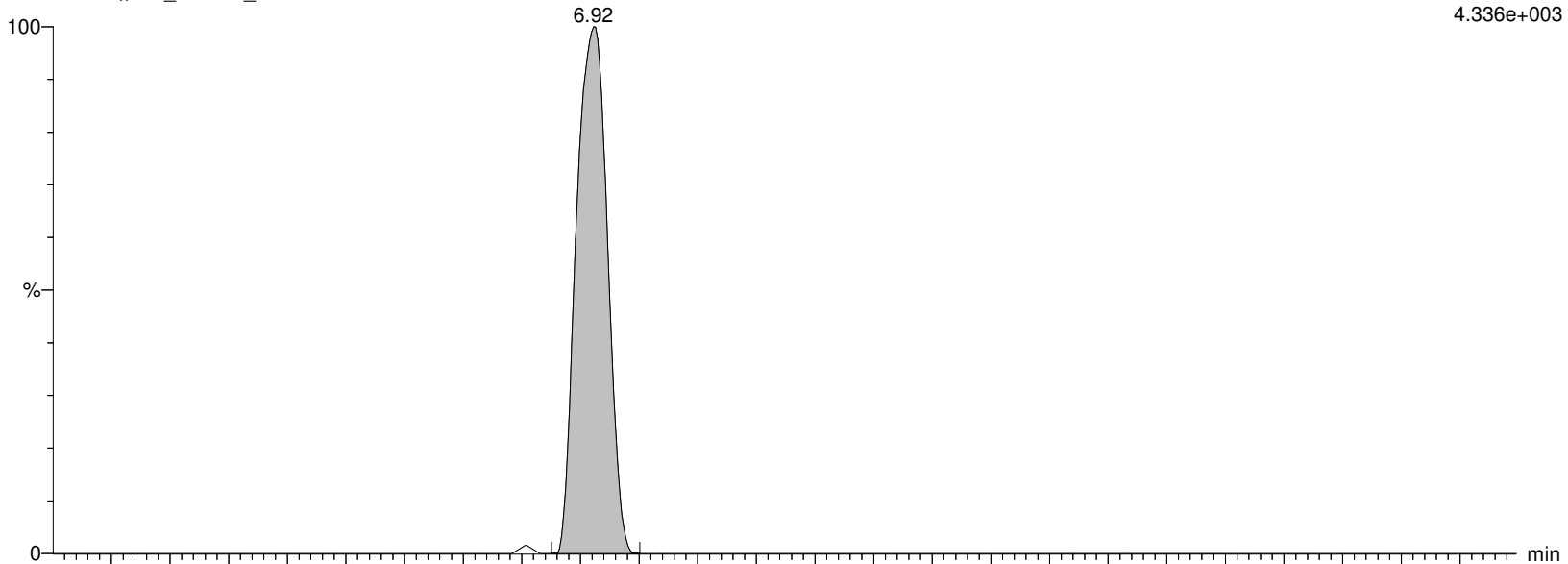
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F11:MRM of 2 channels,ES-

326.926 > 306.957

4.336e+003



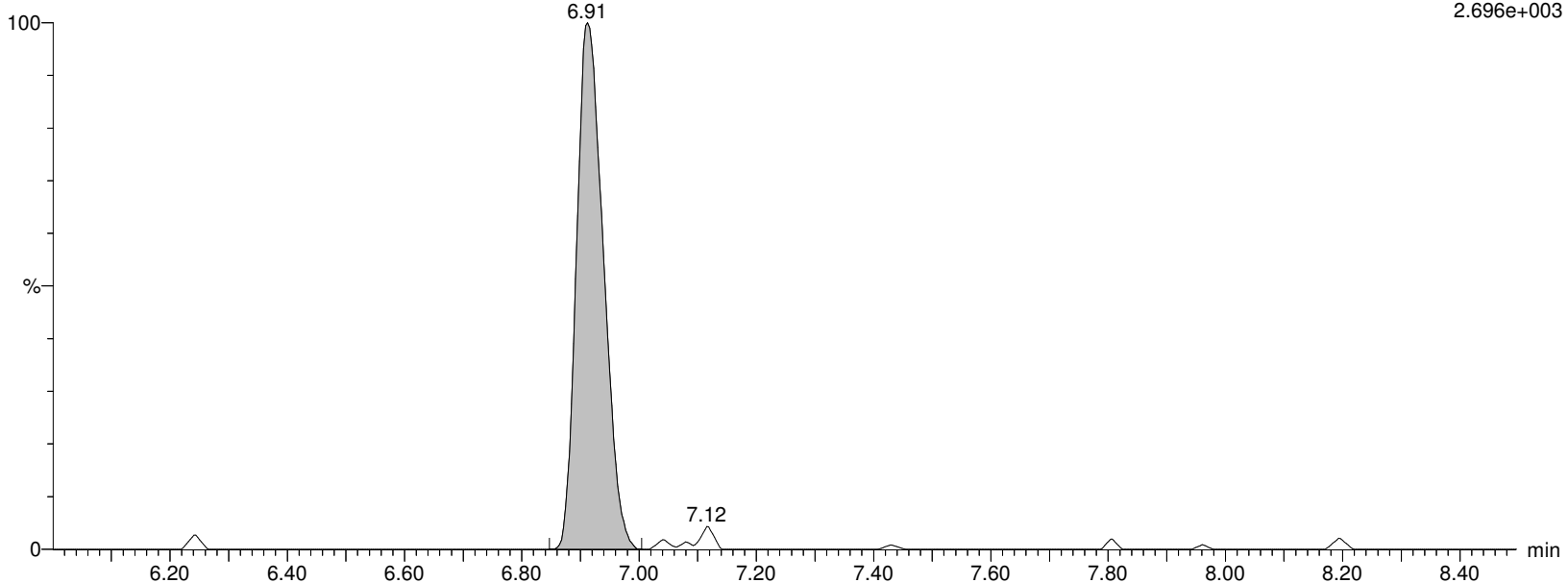
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F11:MRM of 2 channels,ES-

326.926 > 81.02

2.696e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

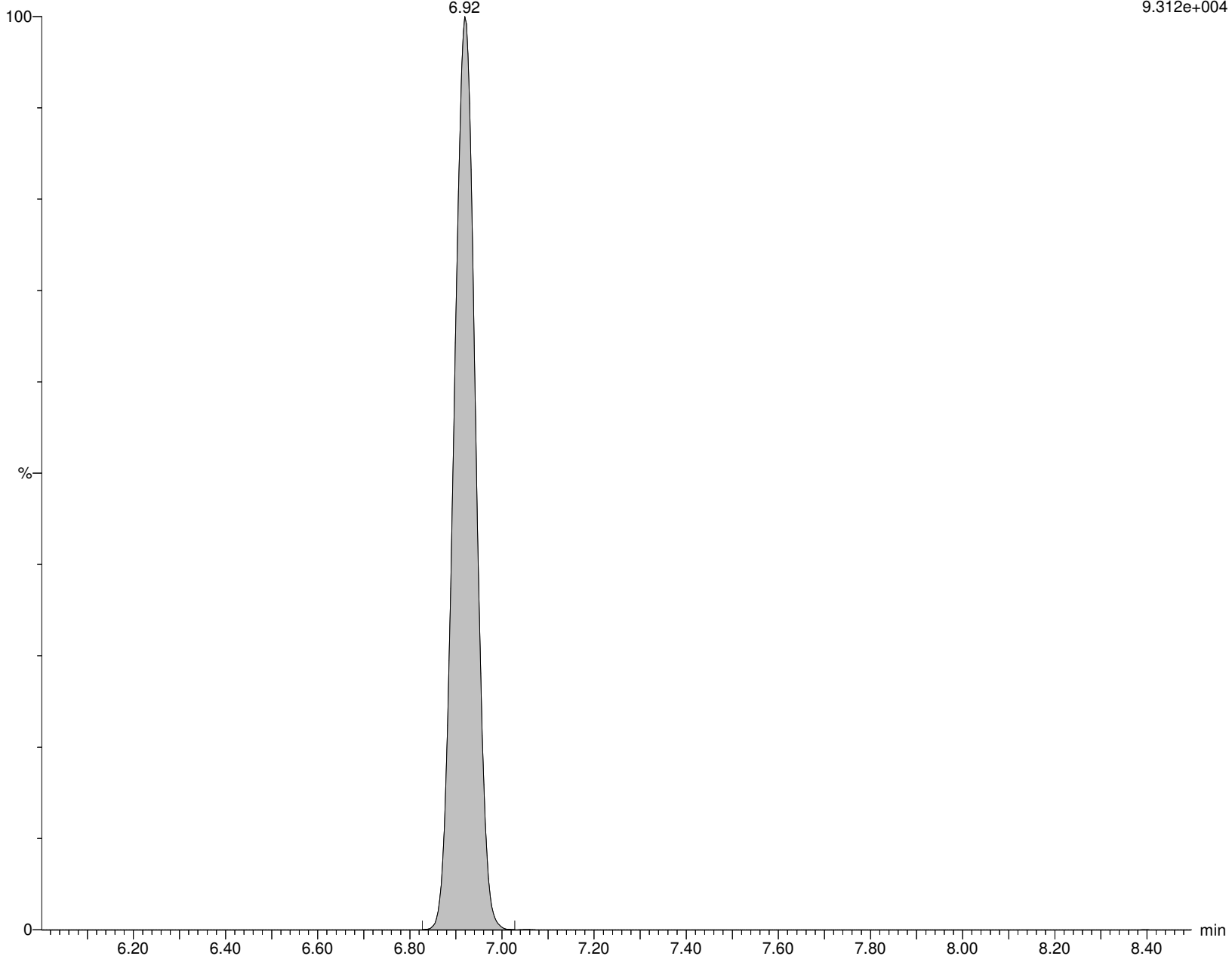
M2-4:2FTS

6.92

F12:MRM of 2 channels,ES-

329.117 > 309.079

9.312e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

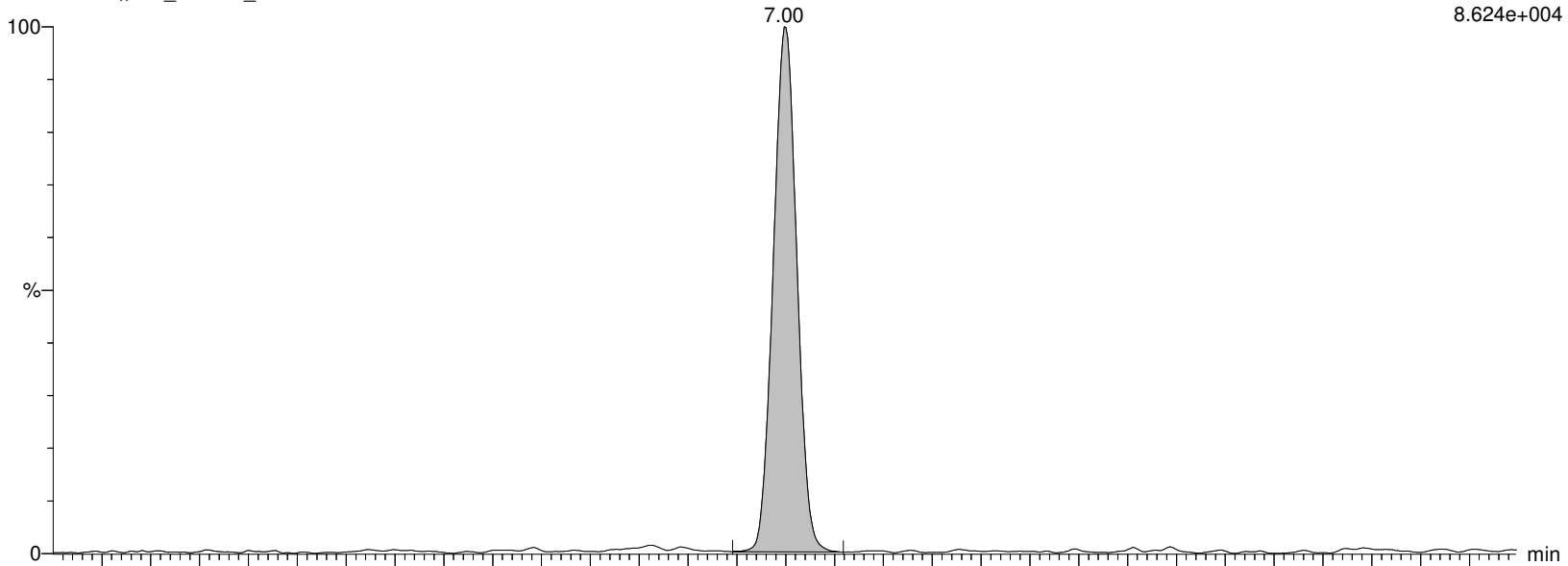
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F9:MRM of 2 channels,ES-

312.989 > 269.028

8.624e+004



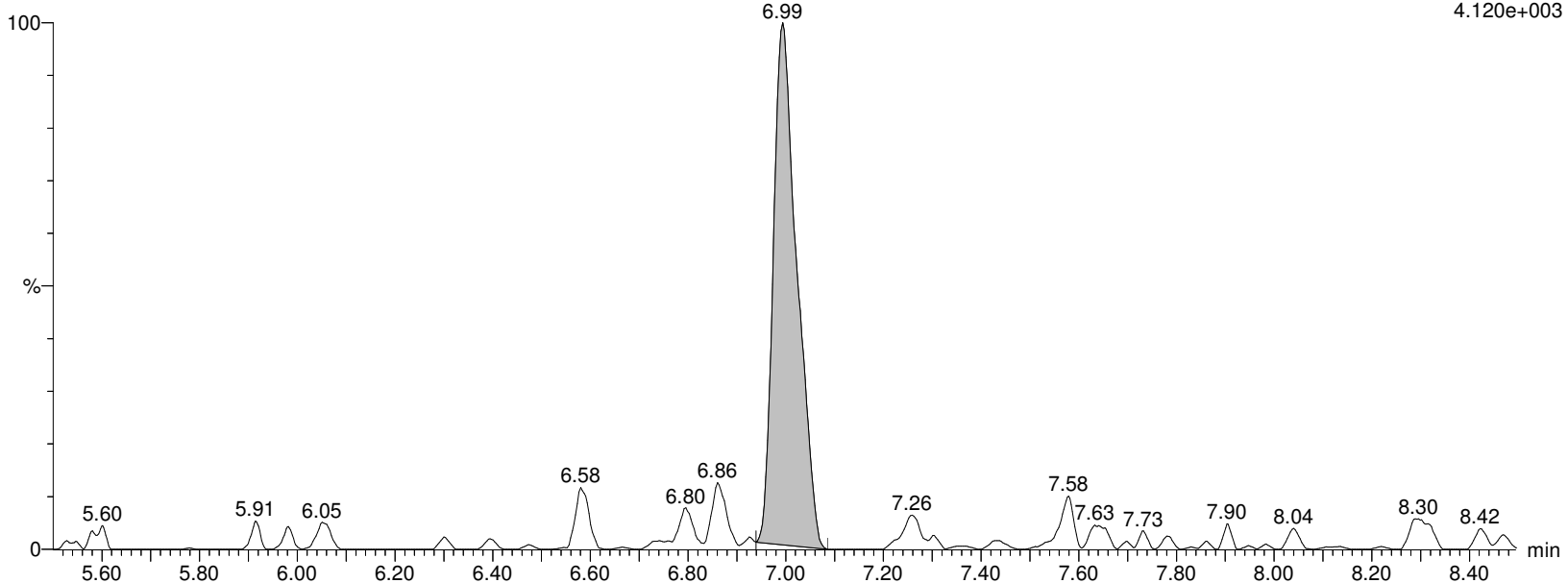
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F9:MRM of 2 channels,ES-

312.989 > 119.18

4.120e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

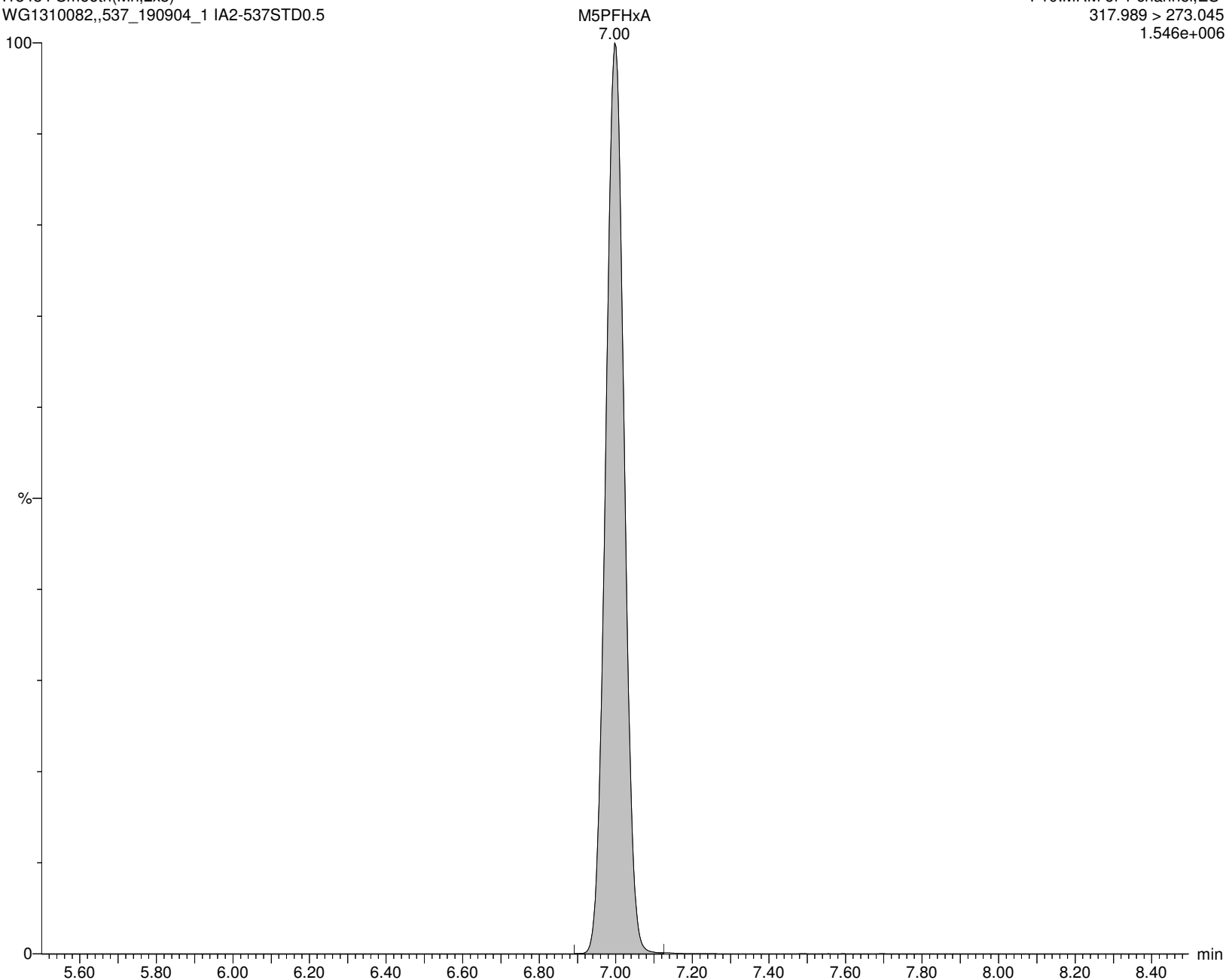
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.546e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

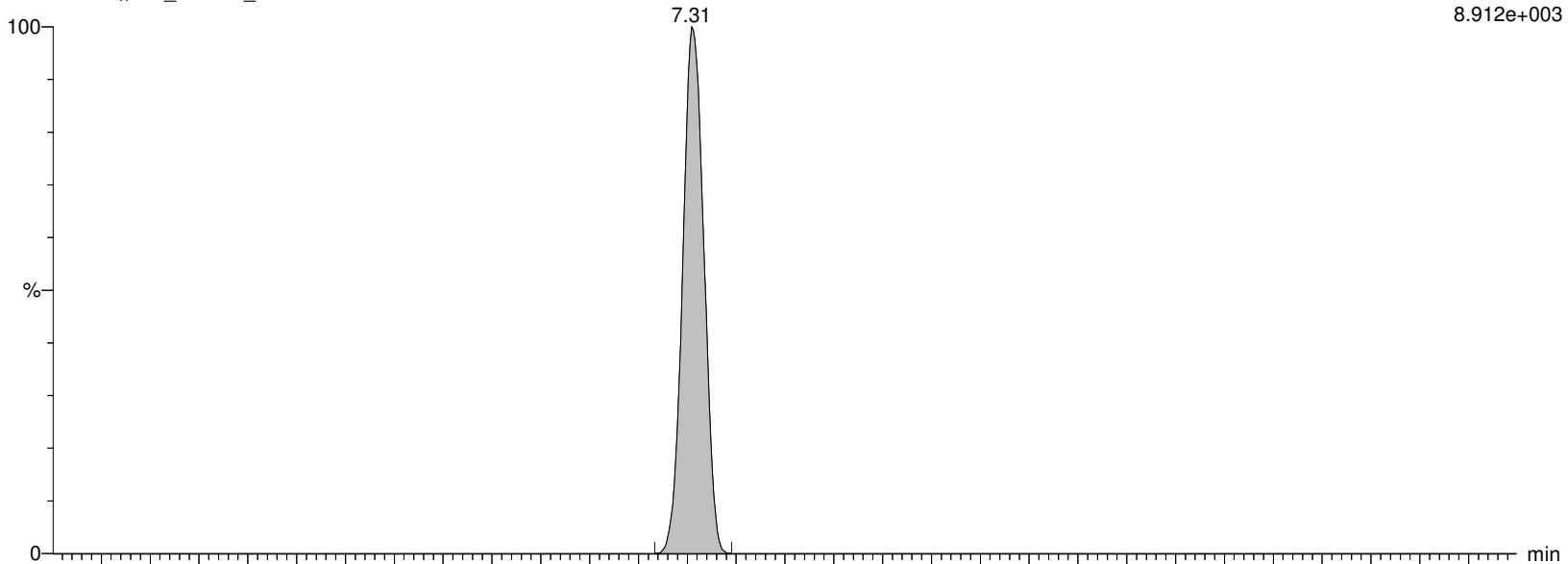
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F14:MRM of 2 channels,ES-

348.926 > 80.251

8.912e+003



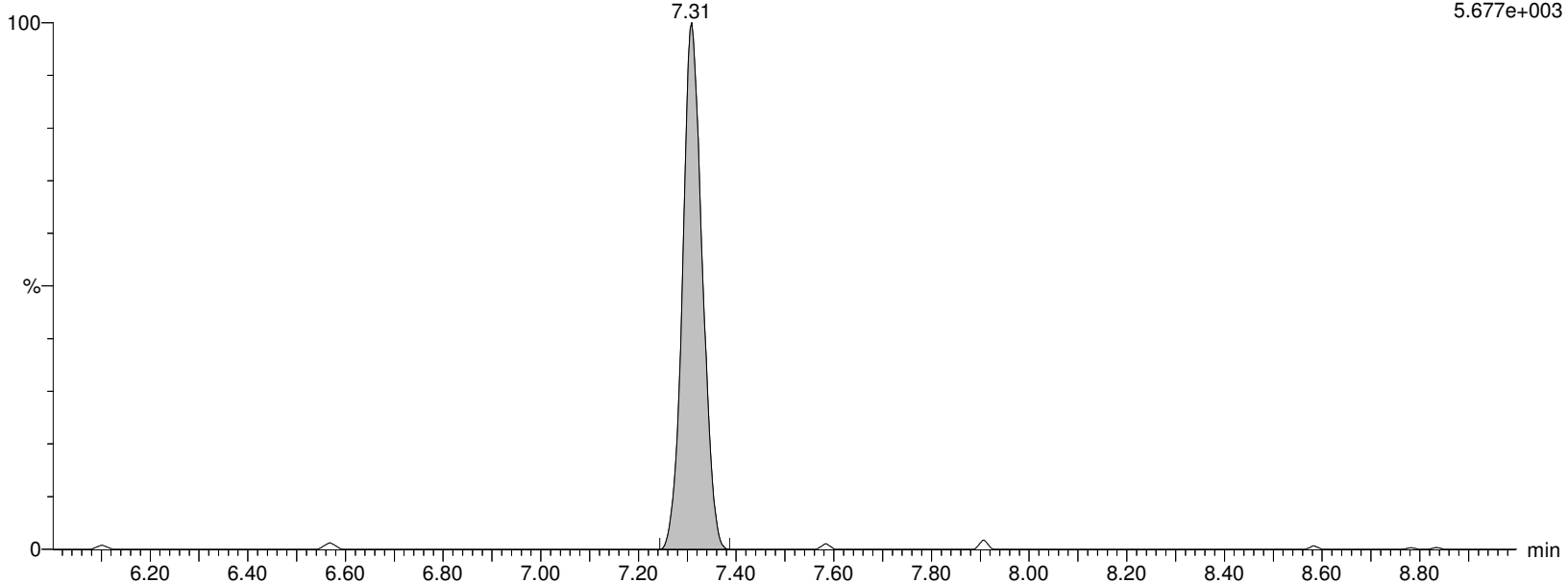
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F14:MRM of 2 channels,ES-

348.926 > 99.16

5.677e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

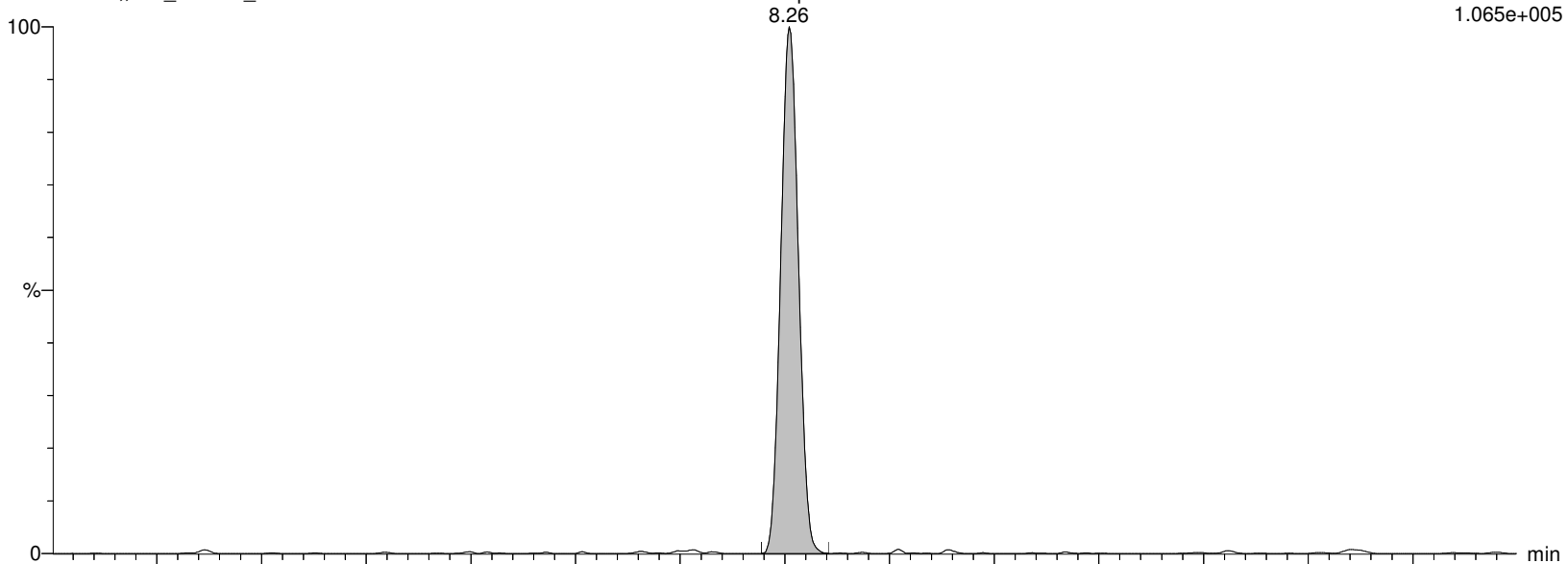
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F15:MRM of 2 channels,ES-

362.926 > 319.014

1.065e+005



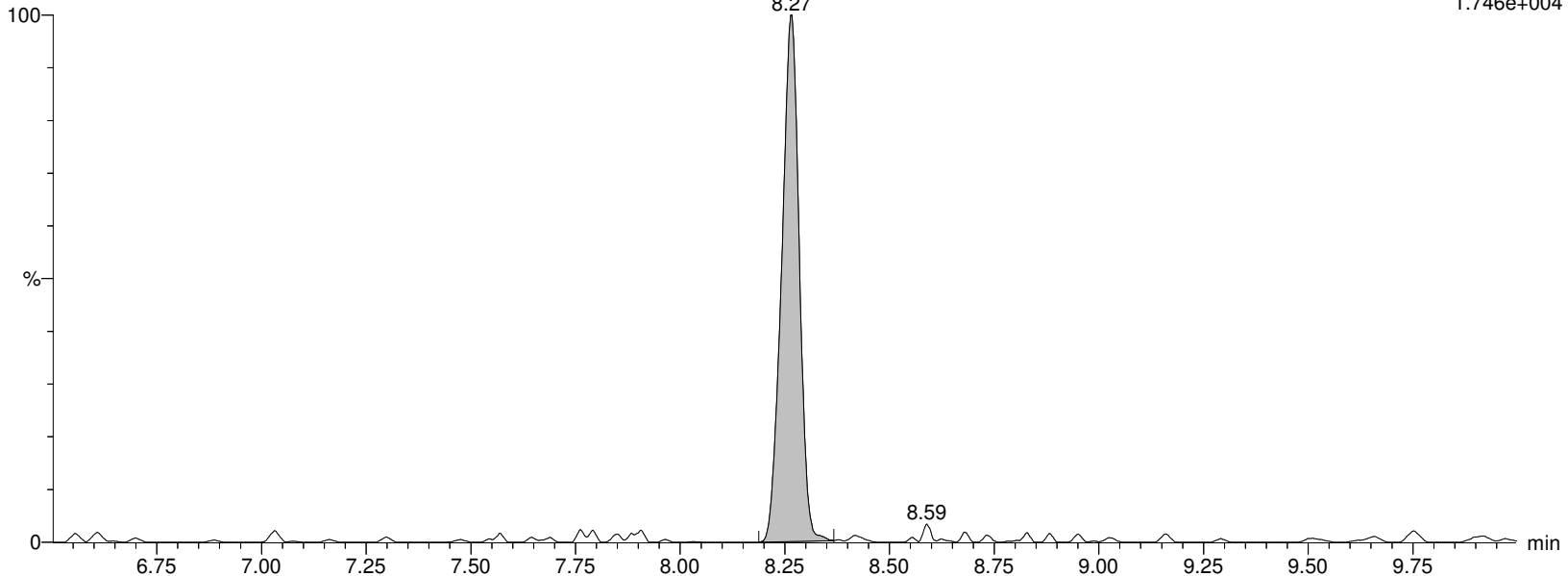
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F15:MRM of 2 channels,ES-

362.926 > 169.12

1.746e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

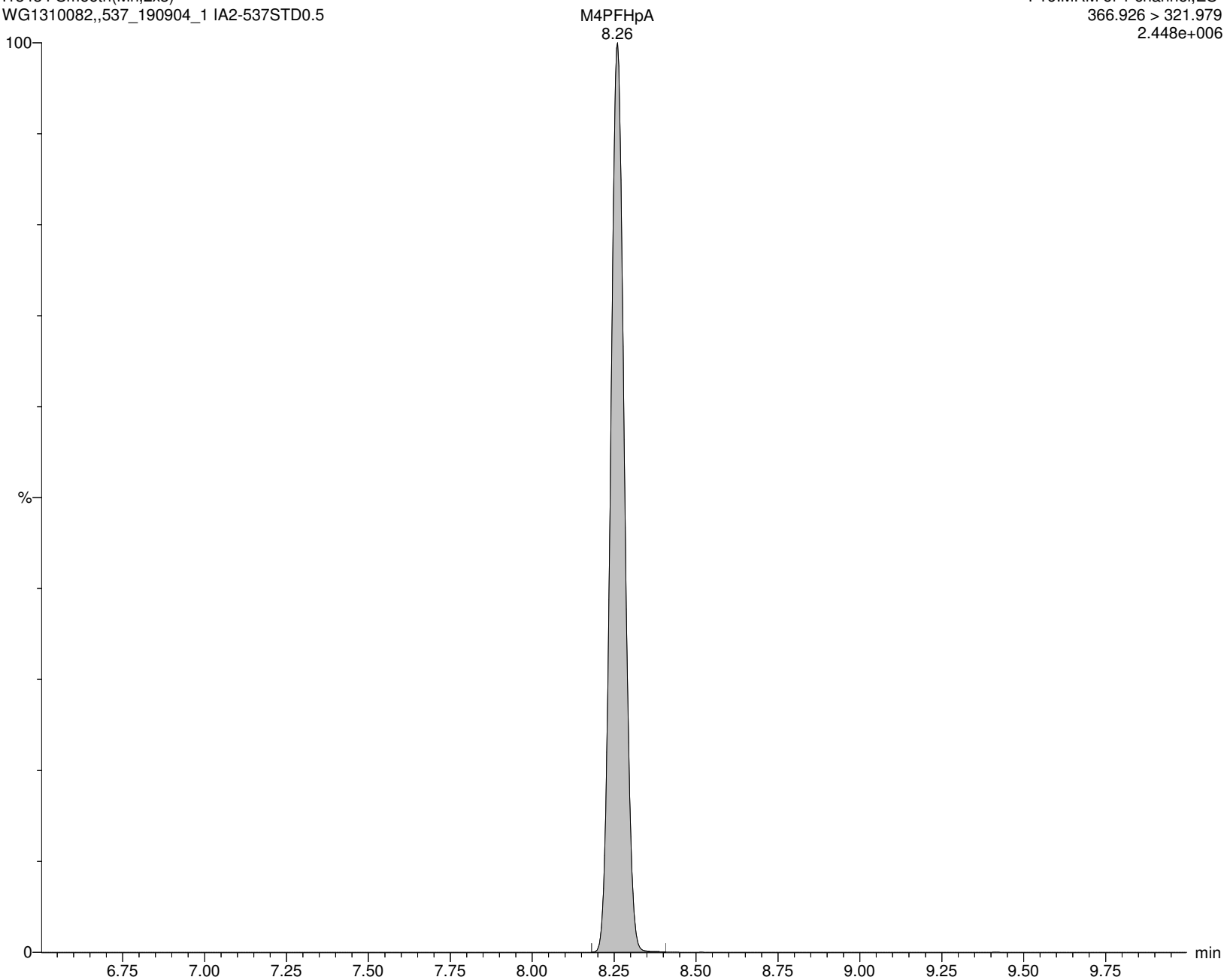
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.448e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

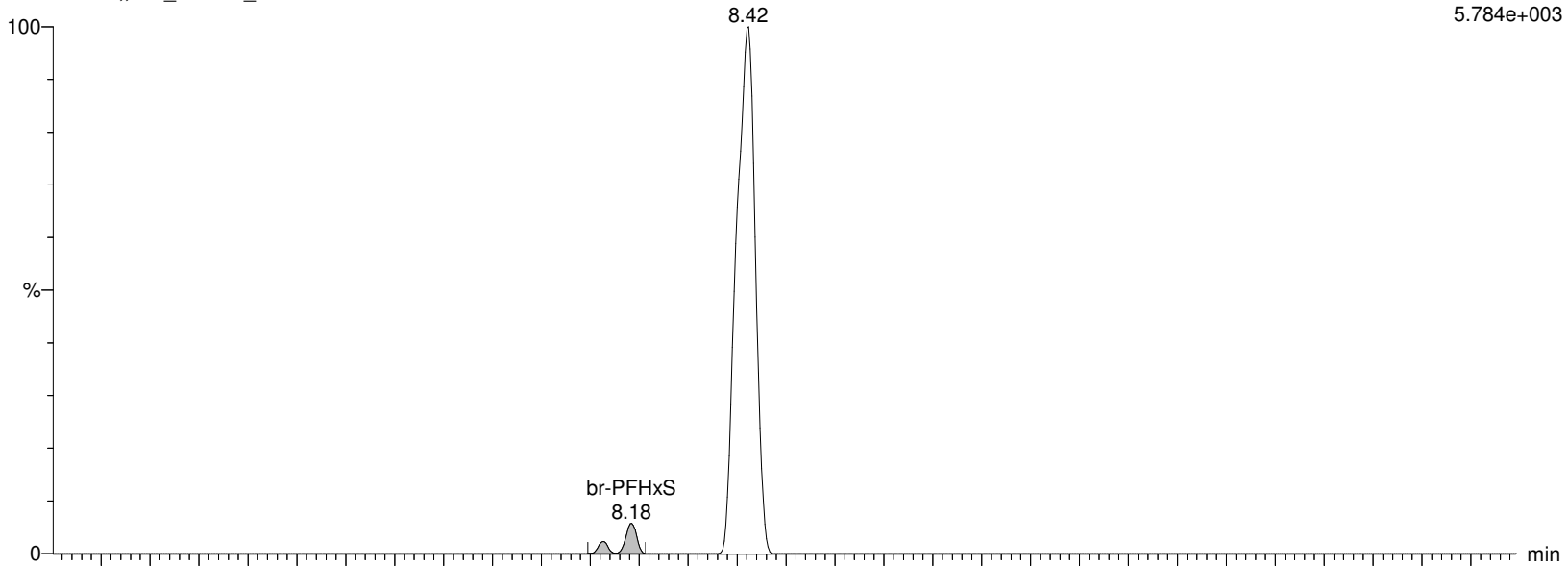
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F18:MRM of 2 channels,ES-

398.926 > 80.295

5.784e+003



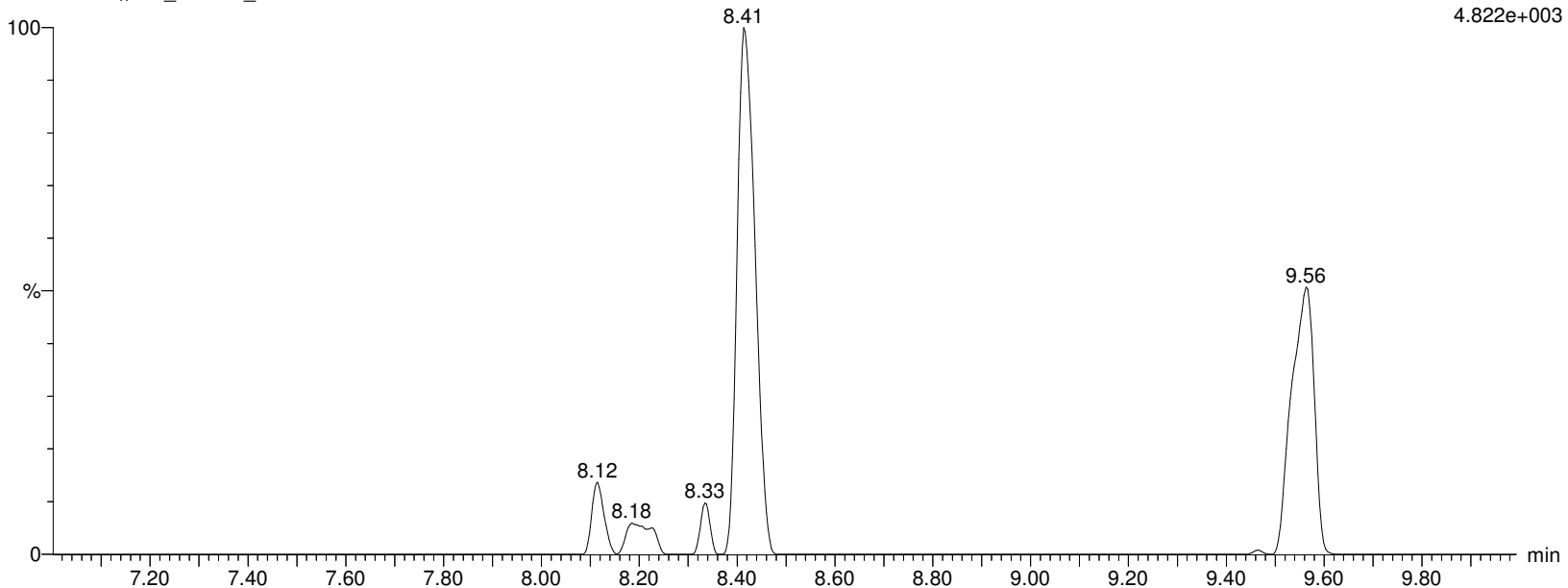
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F18:MRM of 2 channels,ES-

398.926 > 99.2

4.822e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

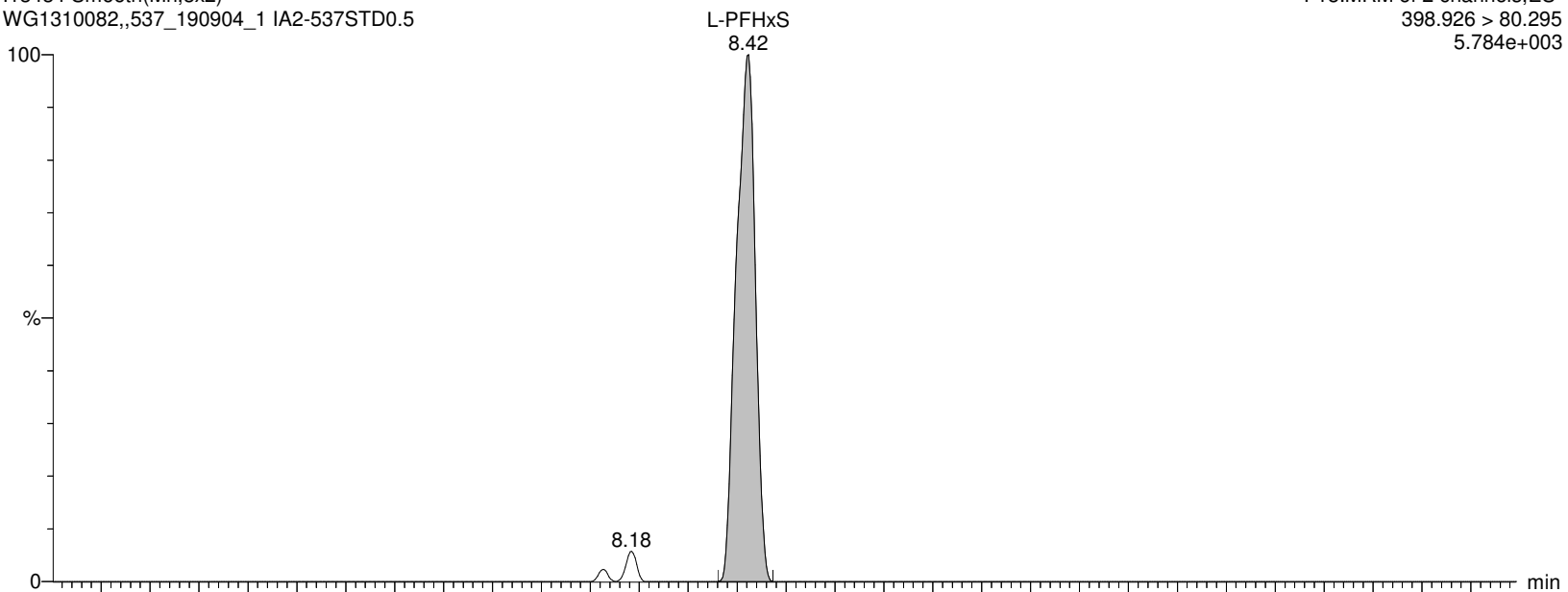
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F18:MRM of 2 channels,ES-

398.926 > 80.295

5.784e+003



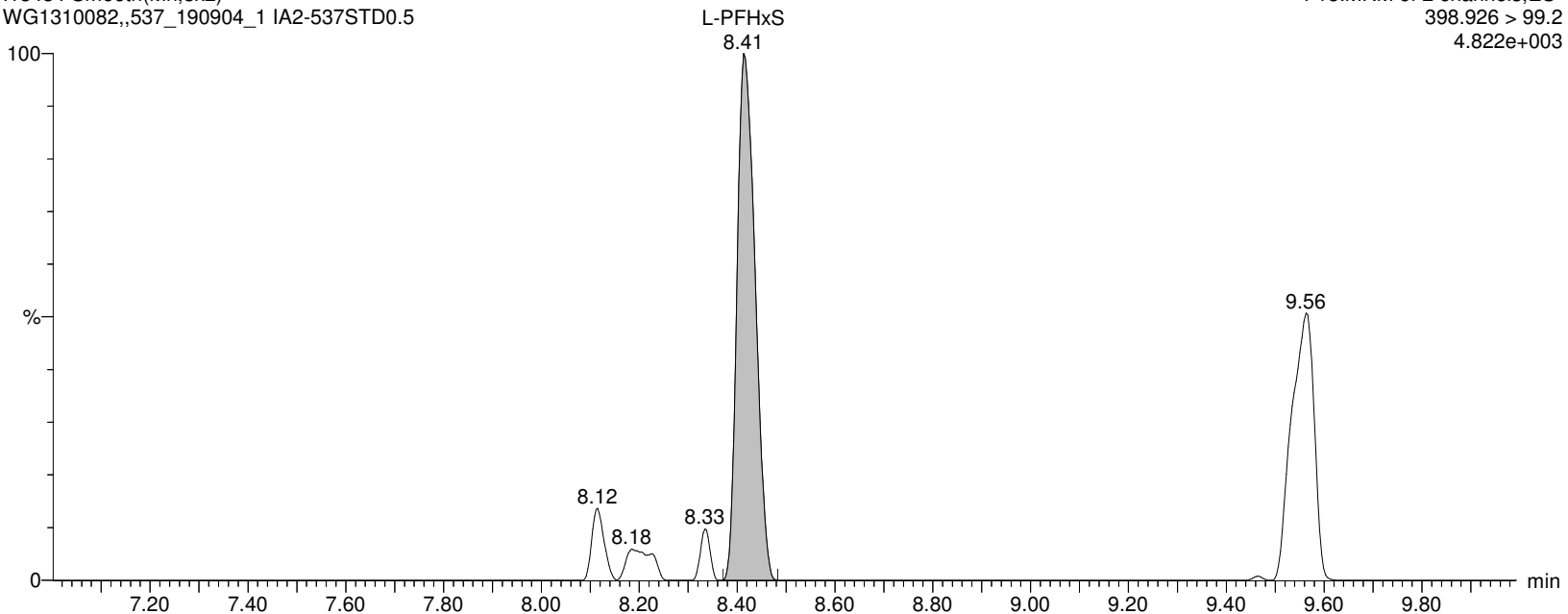
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F18:MRM of 2 channels,ES-

398.926 > 99.2

4.822e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

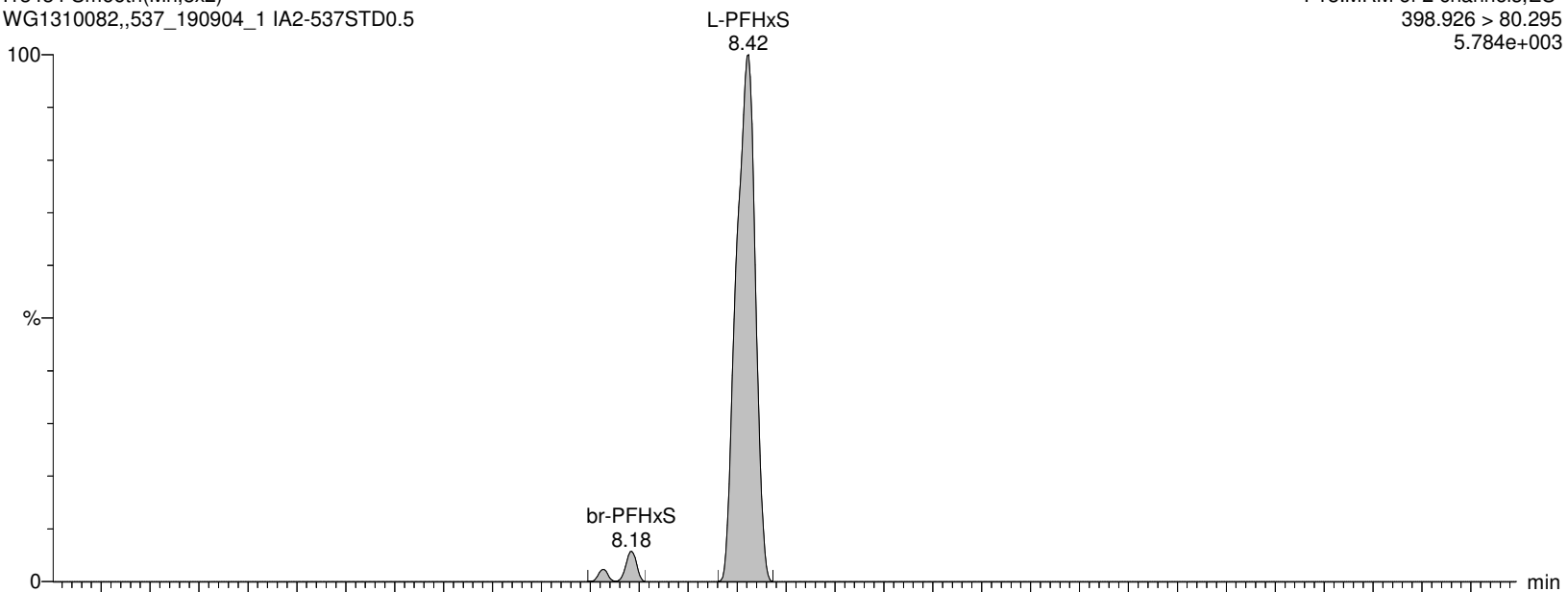
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

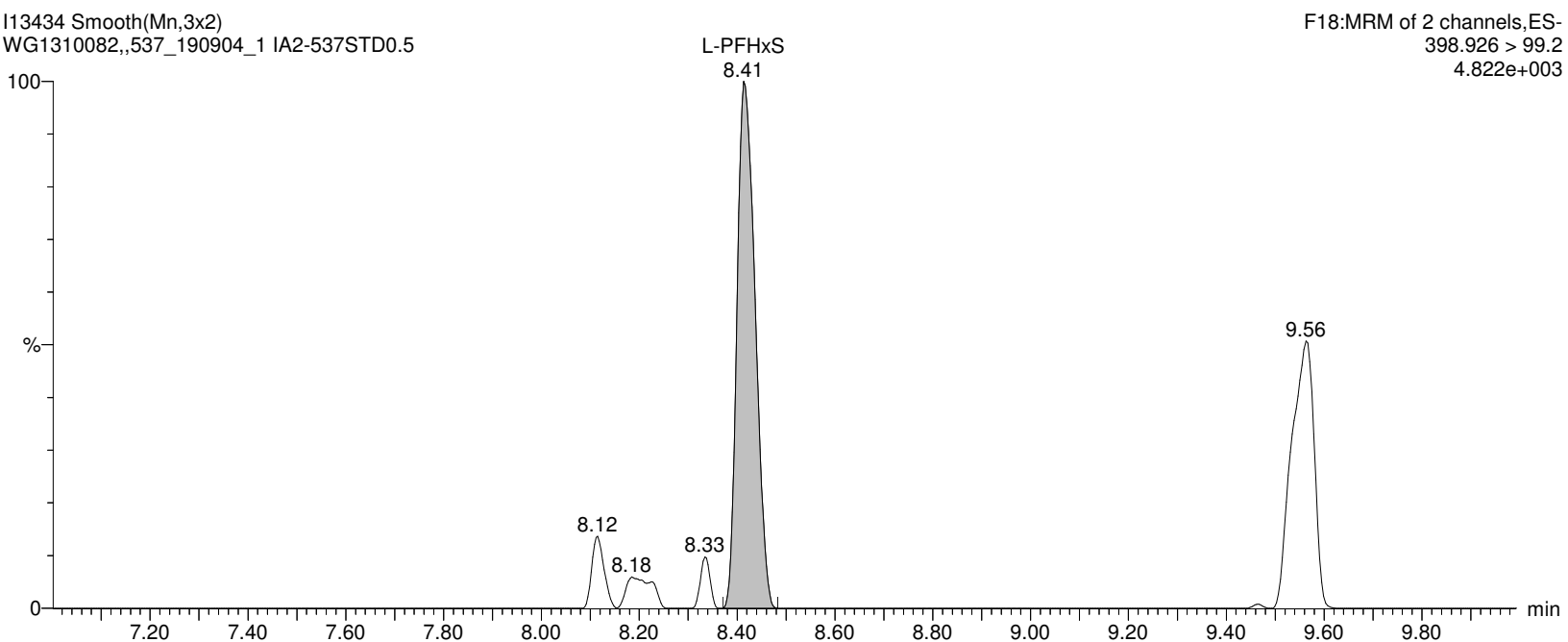
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5



I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

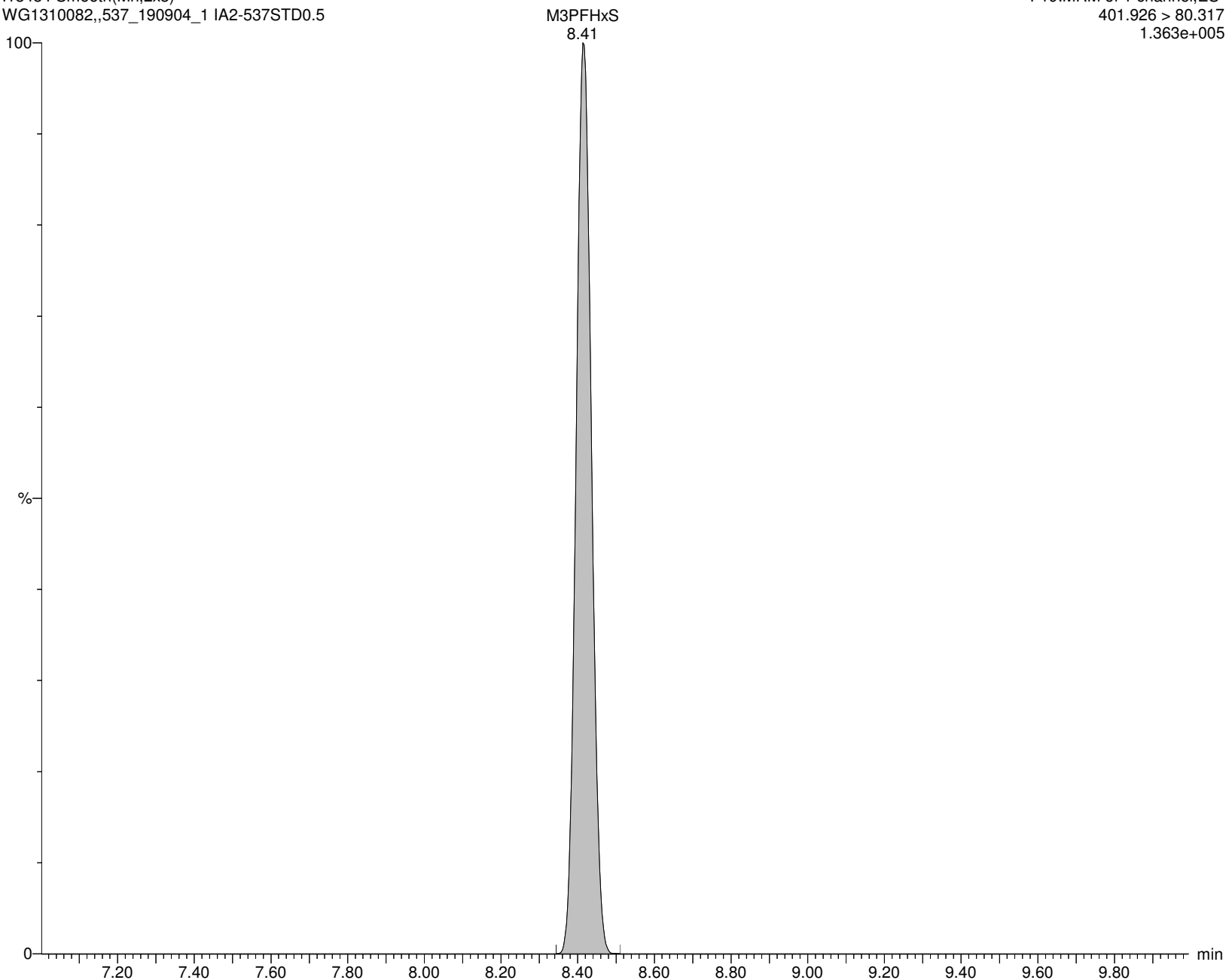
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.363e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

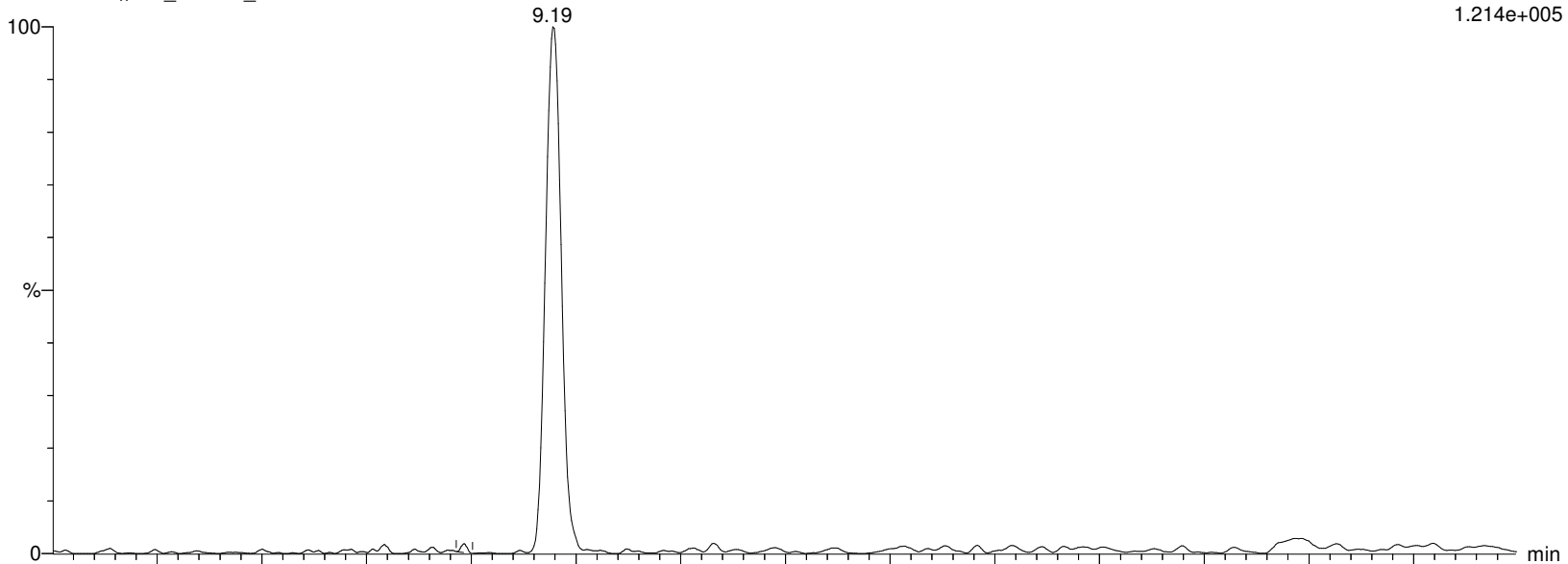
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.214e+005



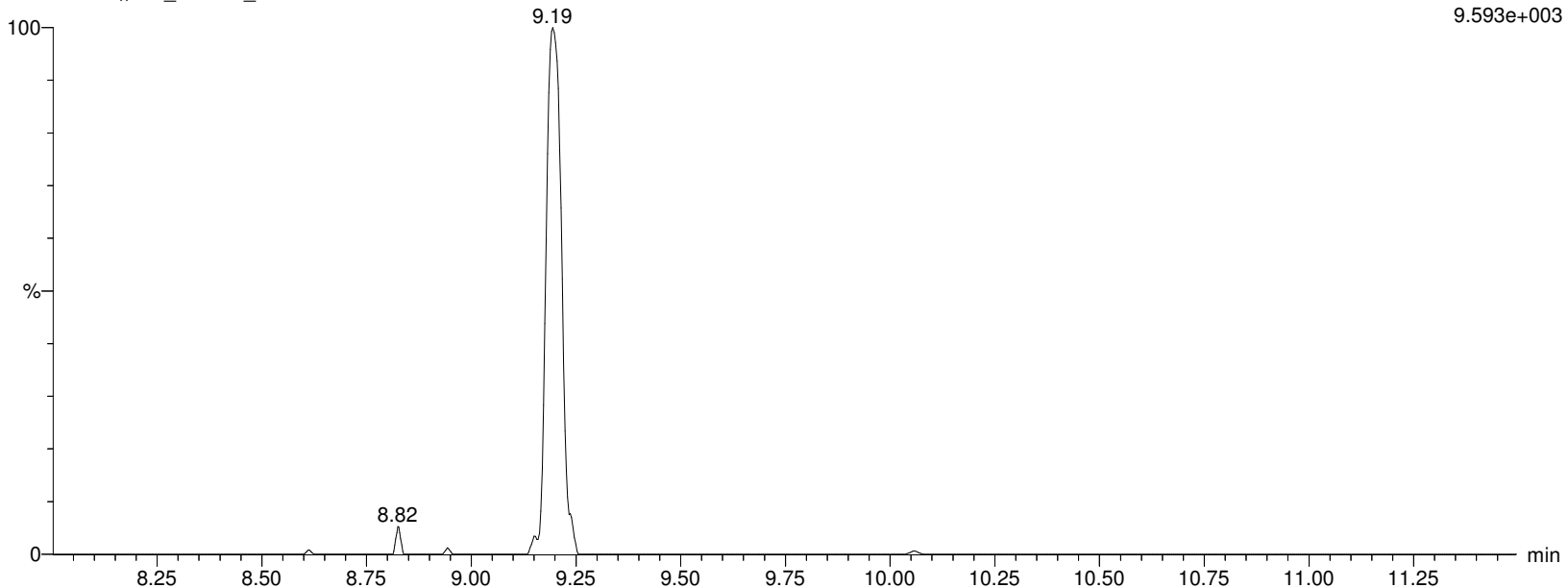
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.593e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

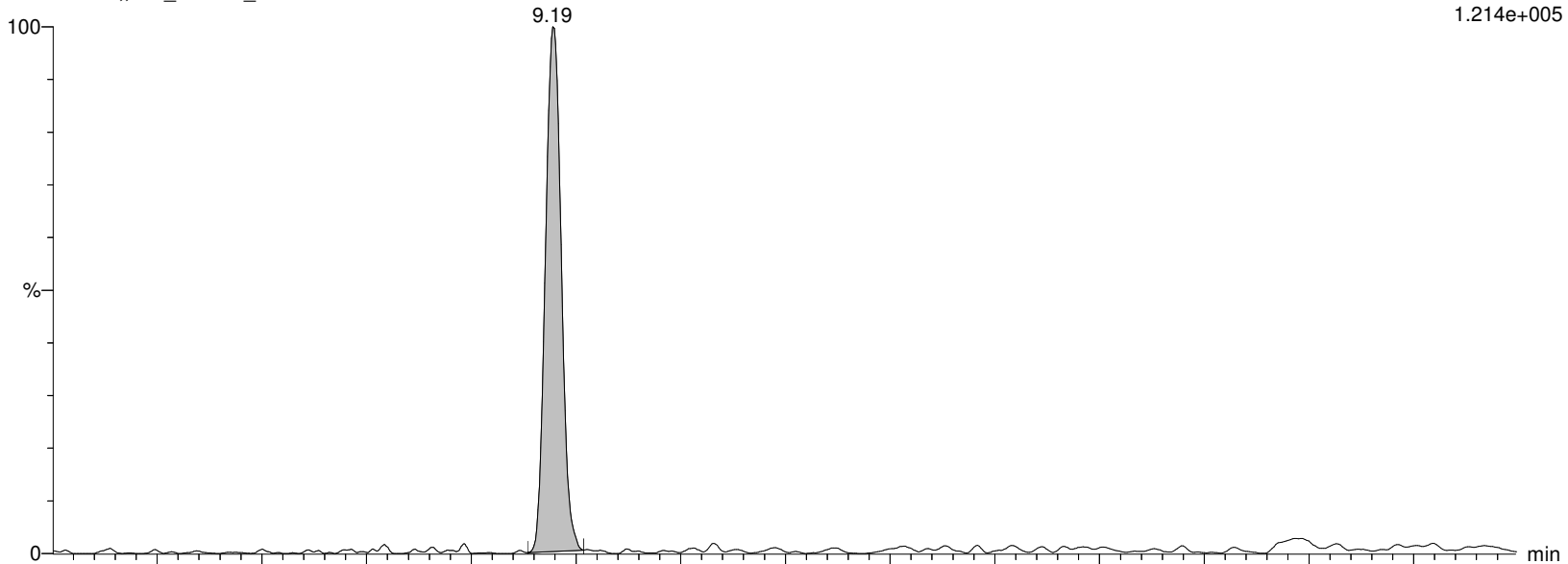
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.214e+005



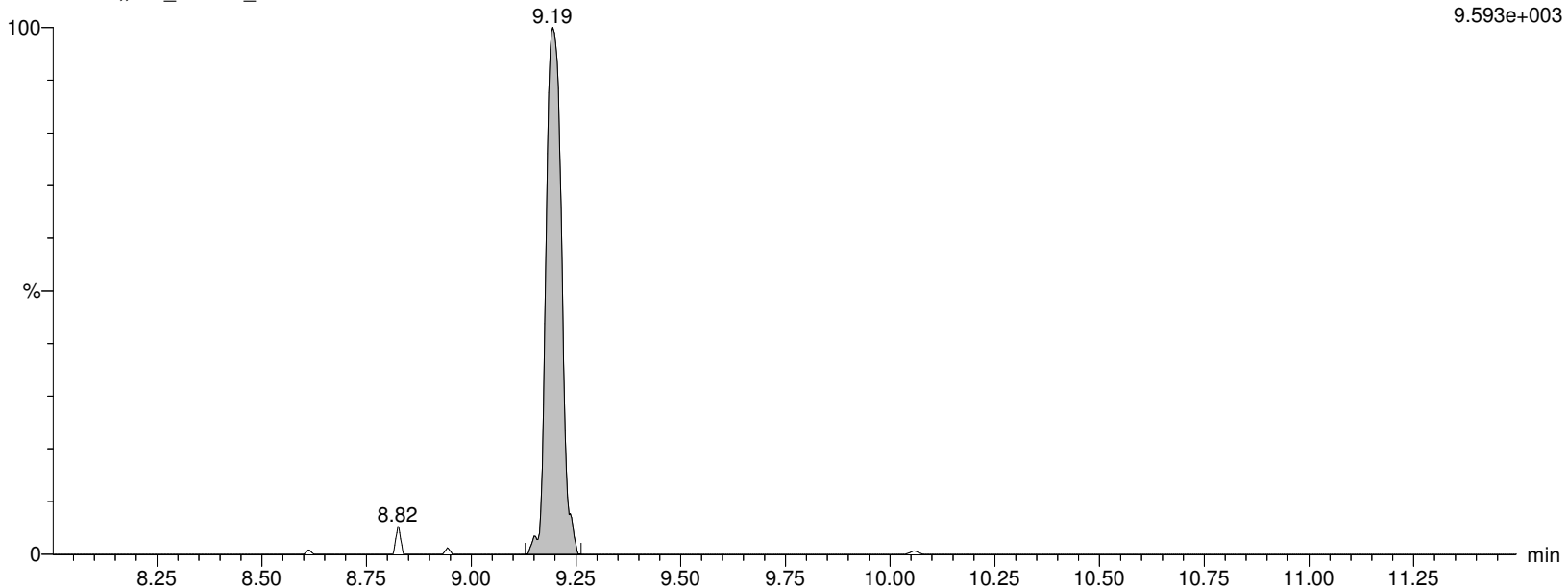
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.593e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

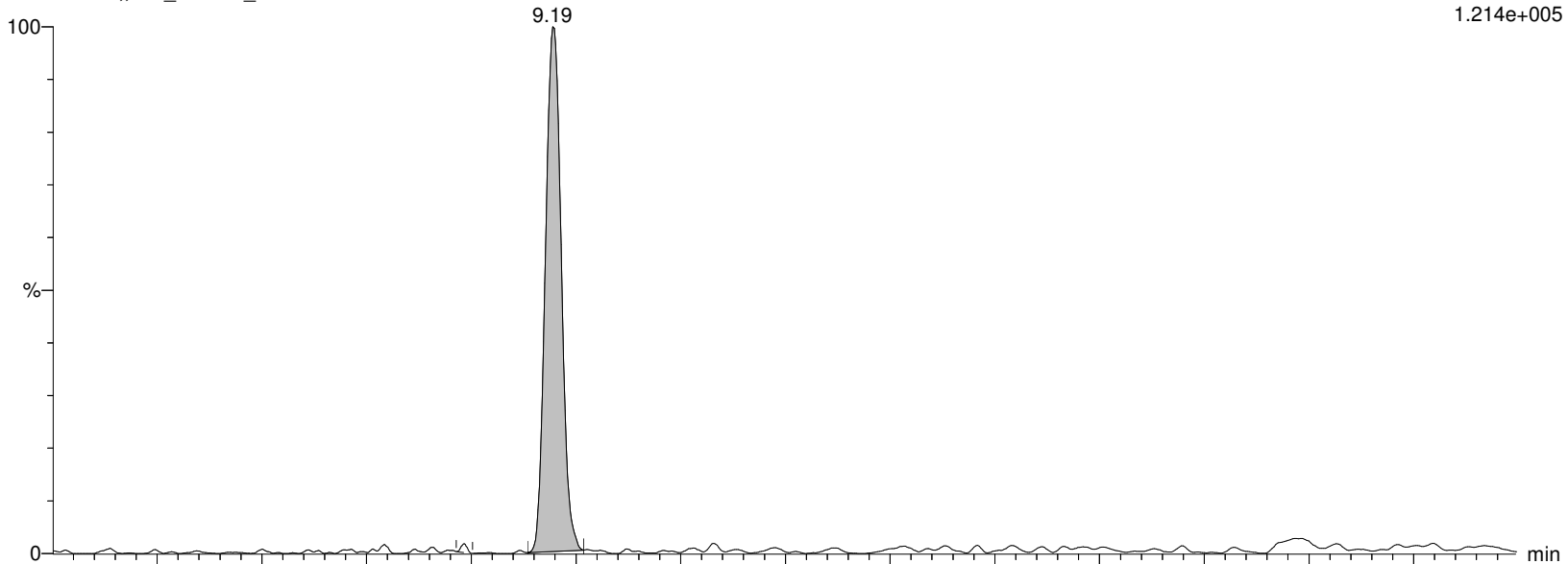
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.214e+005



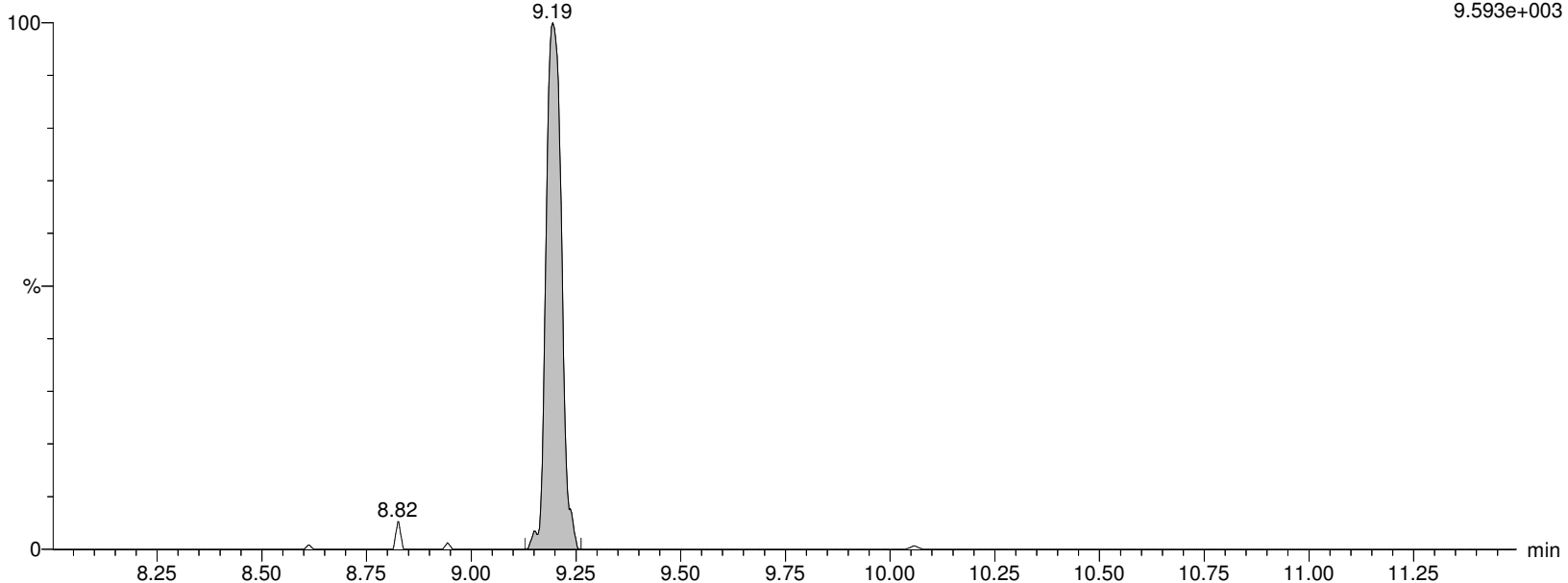
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.593e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

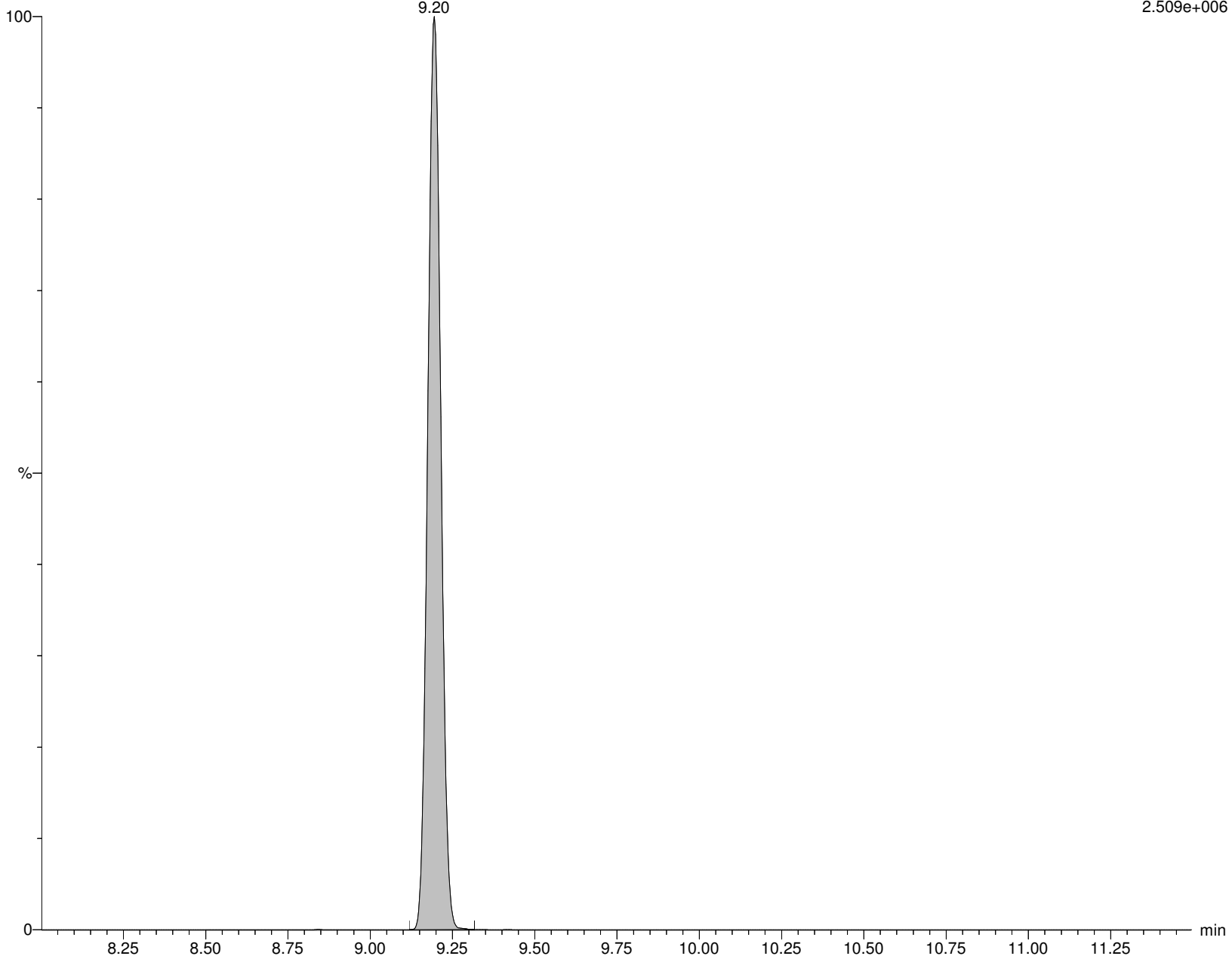
M8PFOA

9.20

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.509e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

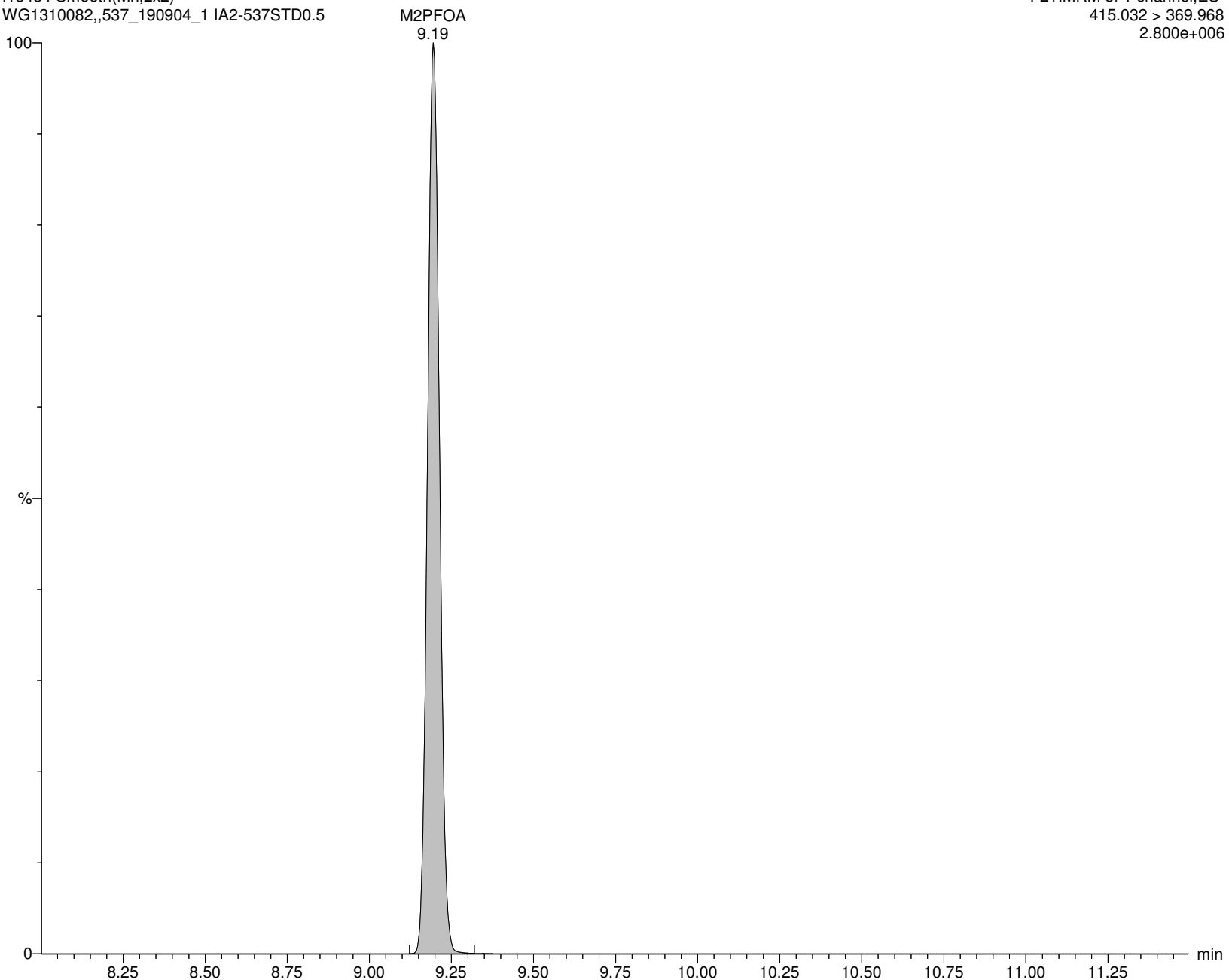
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.800e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

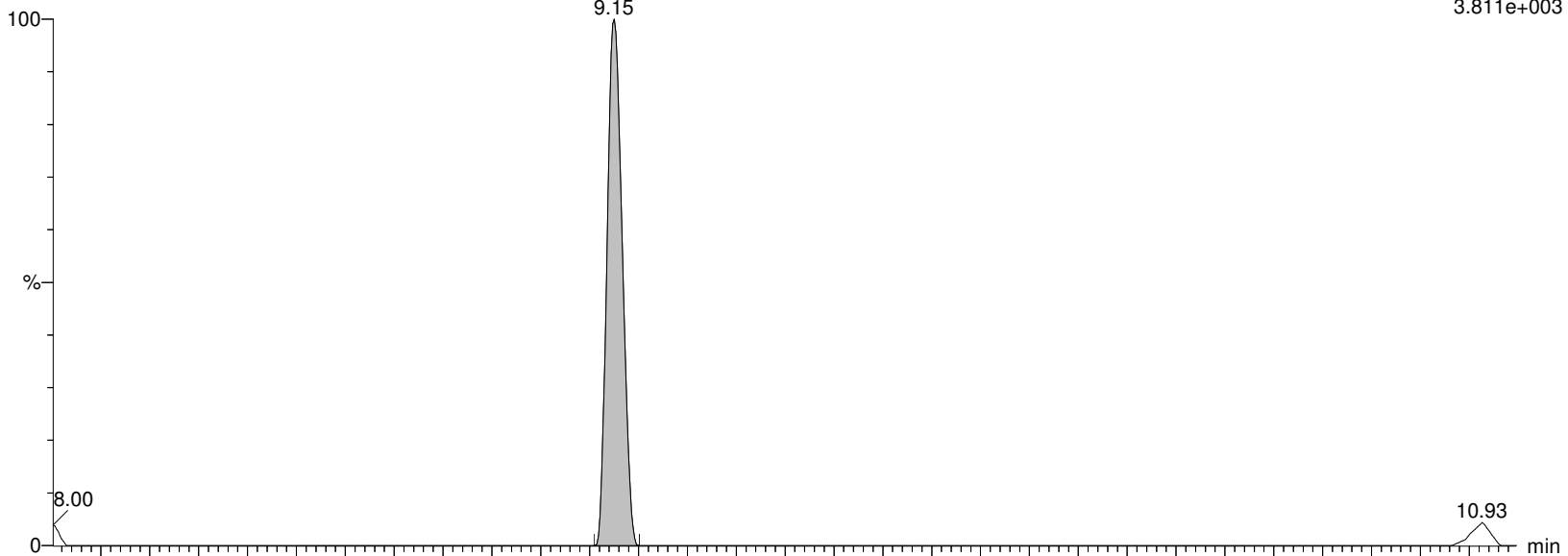
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F23:MRM of 3 channels,ES-

426.989 > 406.921

3.811e+003



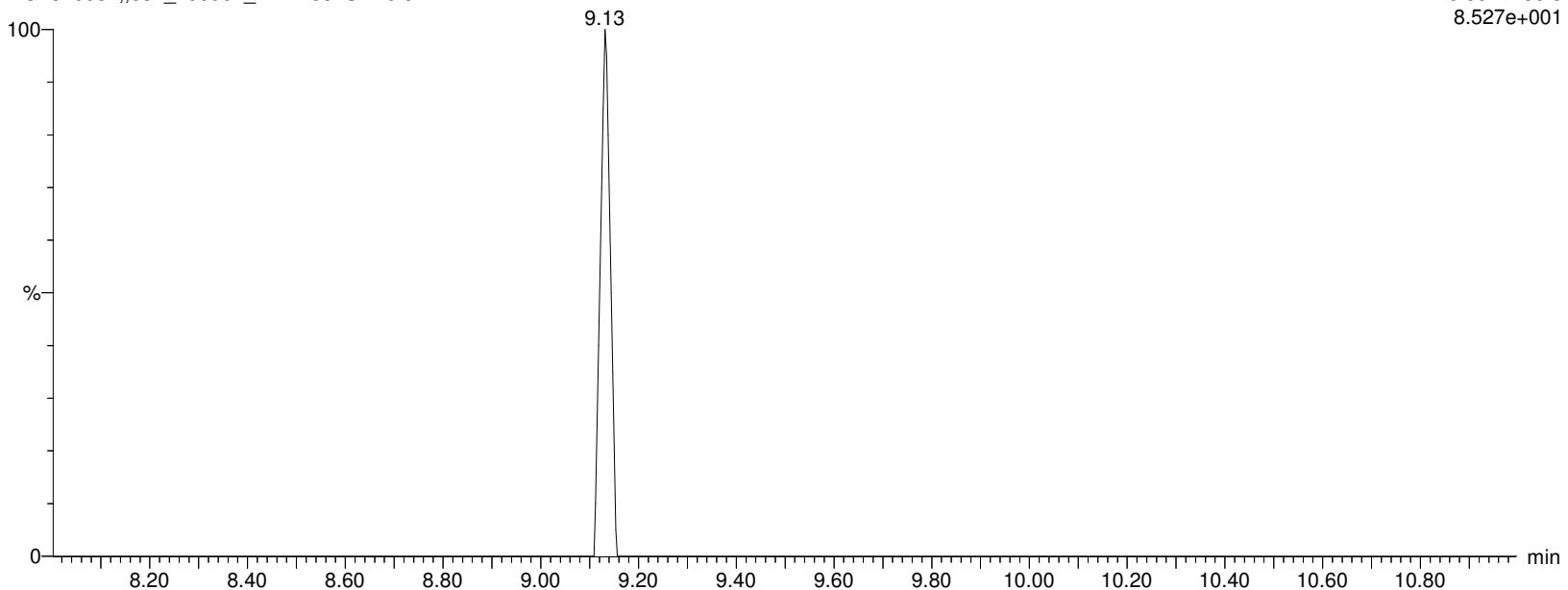
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F23:MRM of 3 channels,ES-

426.862 > 80.5

8.527e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

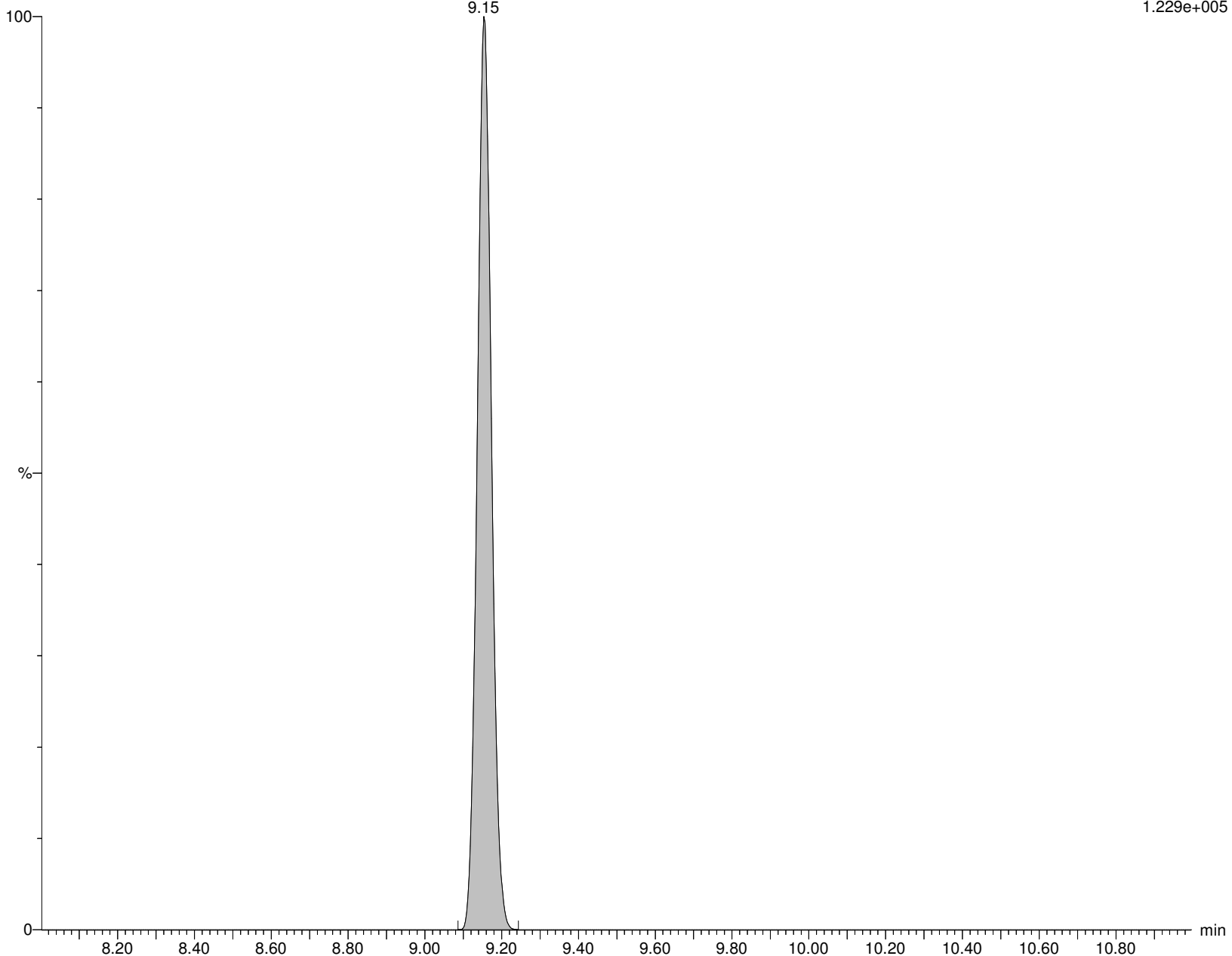
M2-6:2FTS

9.15

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.229e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

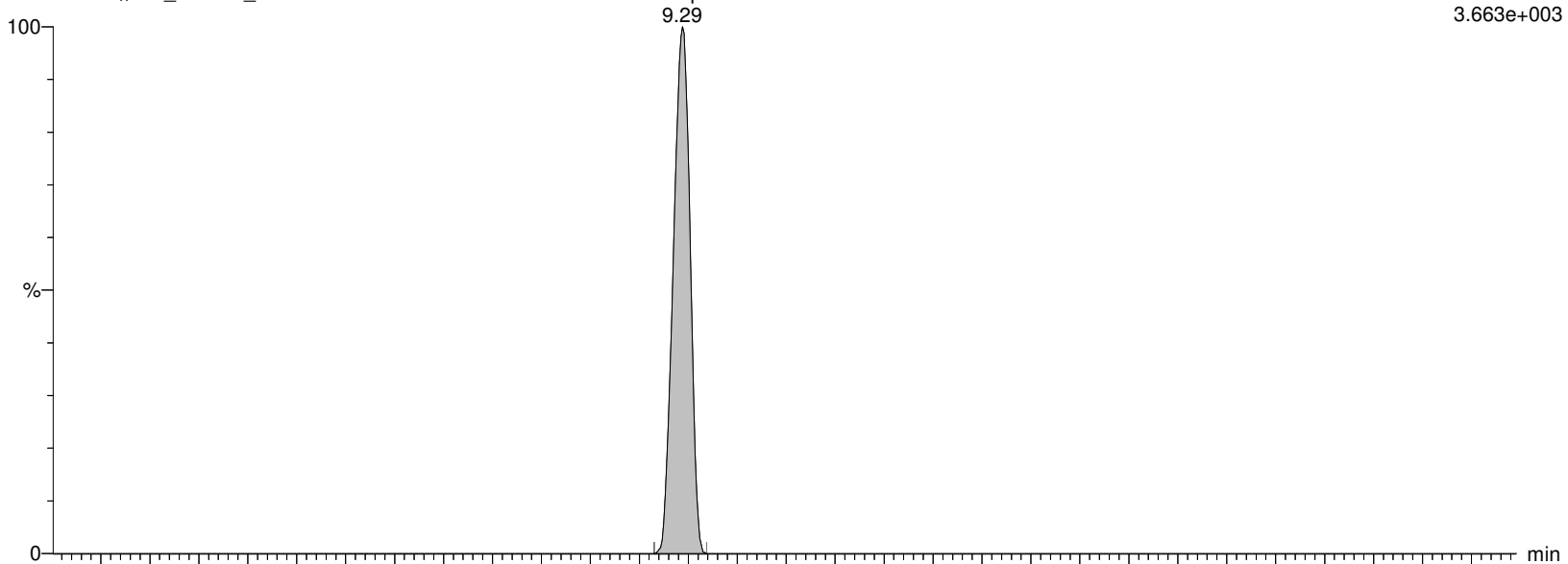
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F25:MRM of 2 channels,ES-

448.926 > 80.257

3.663e+003



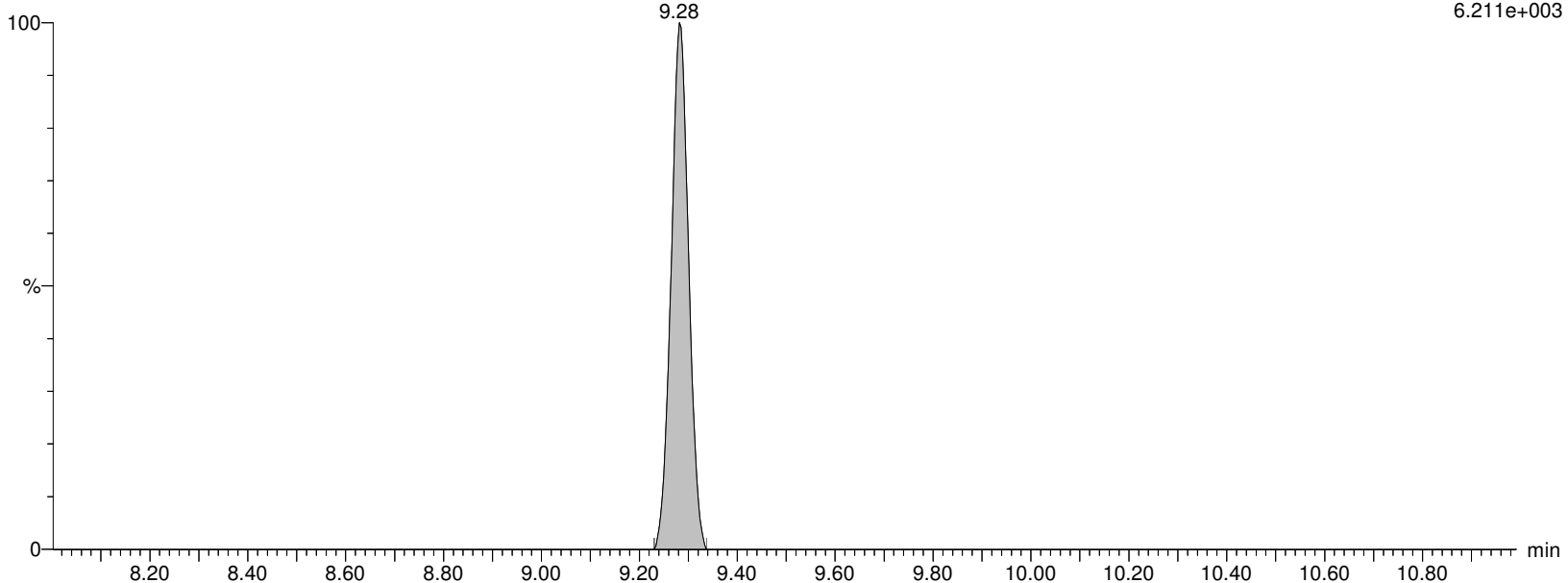
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F25:MRM of 2 channels,ES-

448.926 > 99.22

6.211e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

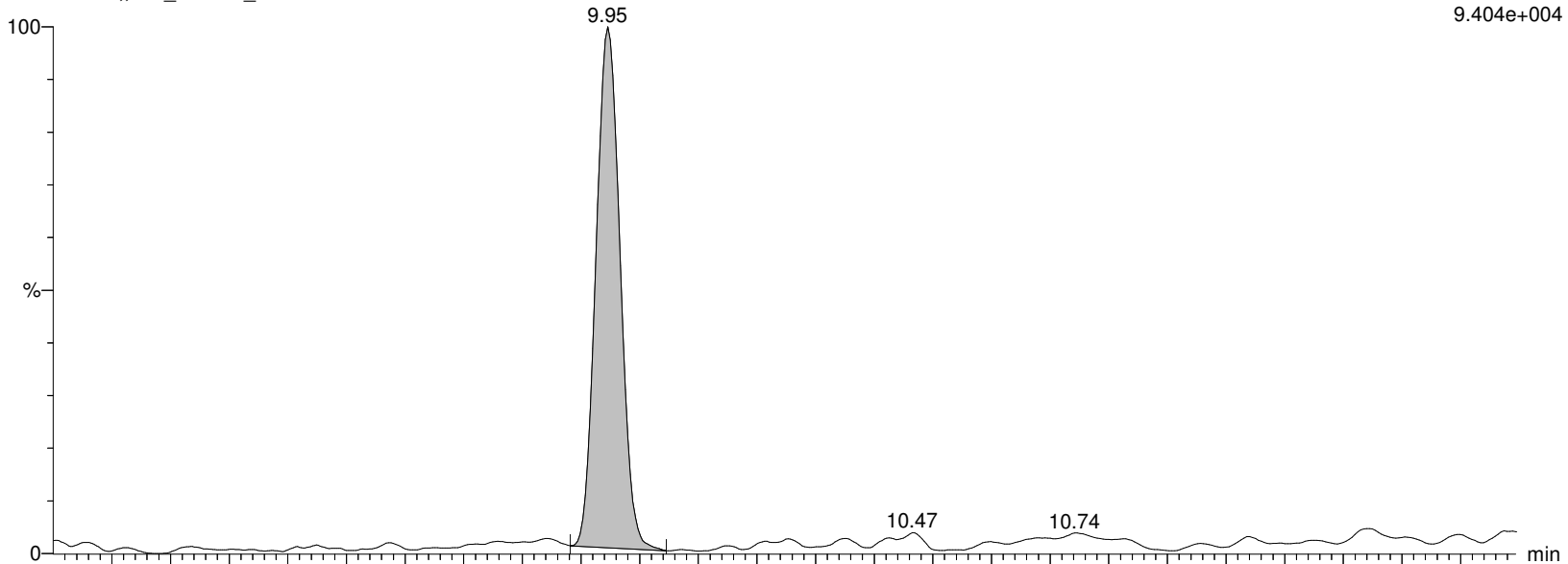
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F26:MRM of 2 channels,ES-

462.989 > 418.931

9.404e+004



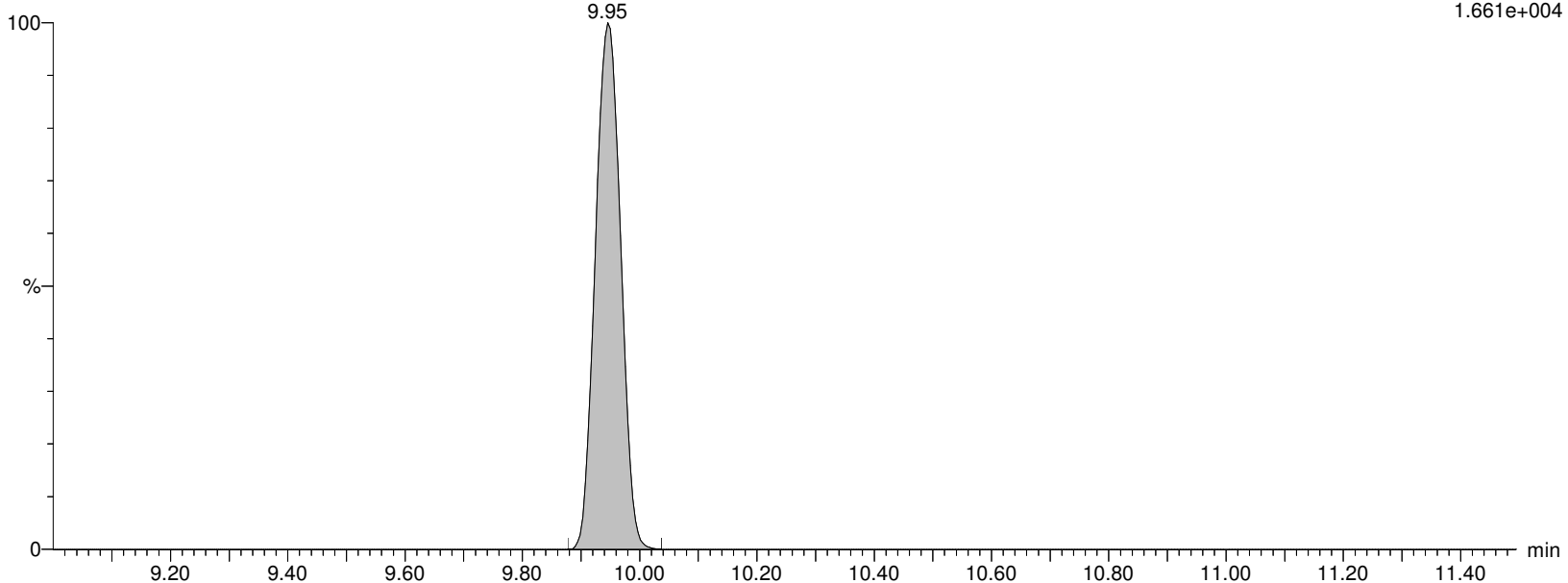
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F26:MRM of 2 channels,ES-

462.989 > 219.04

1.661e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M9PFNA

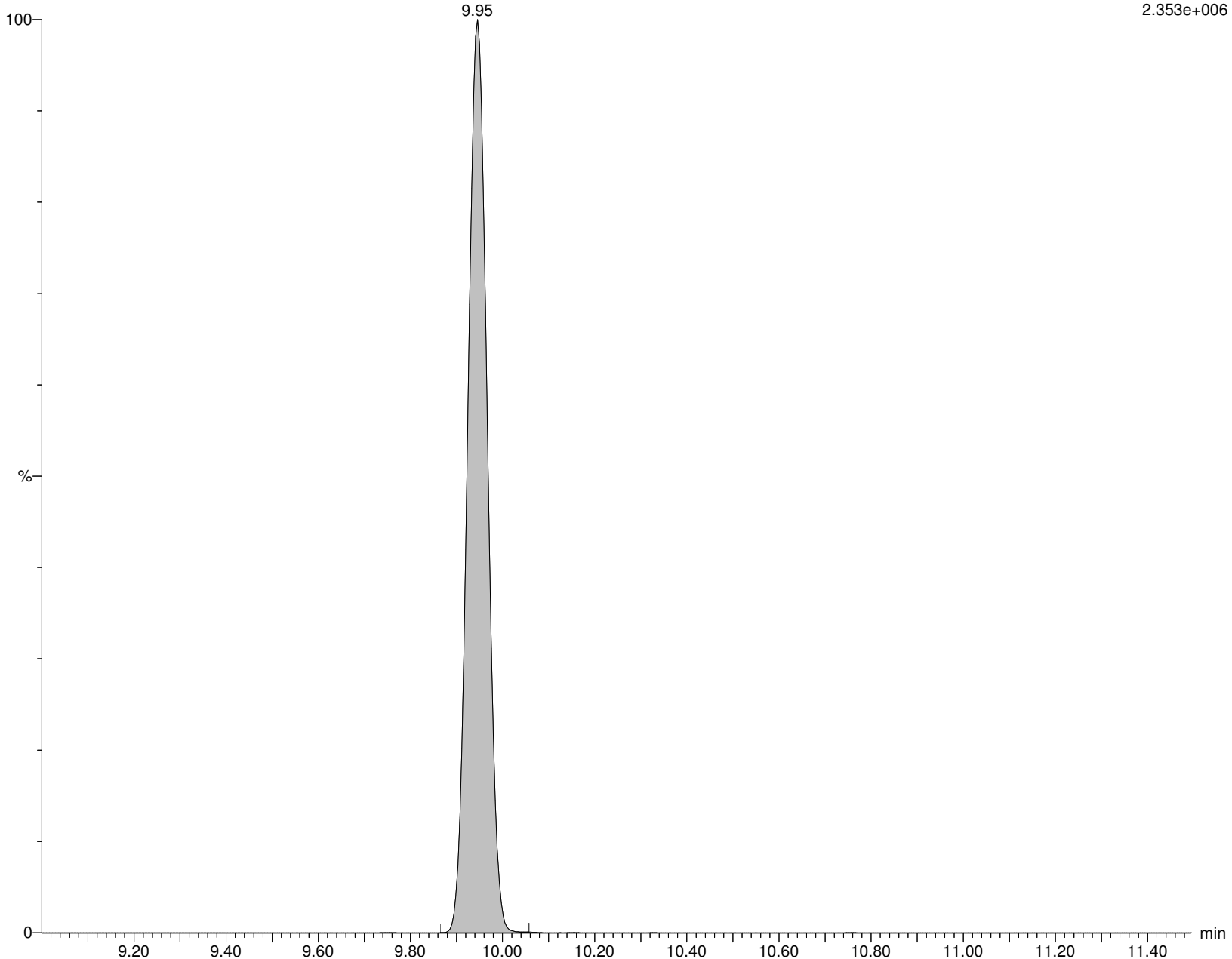
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.353e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

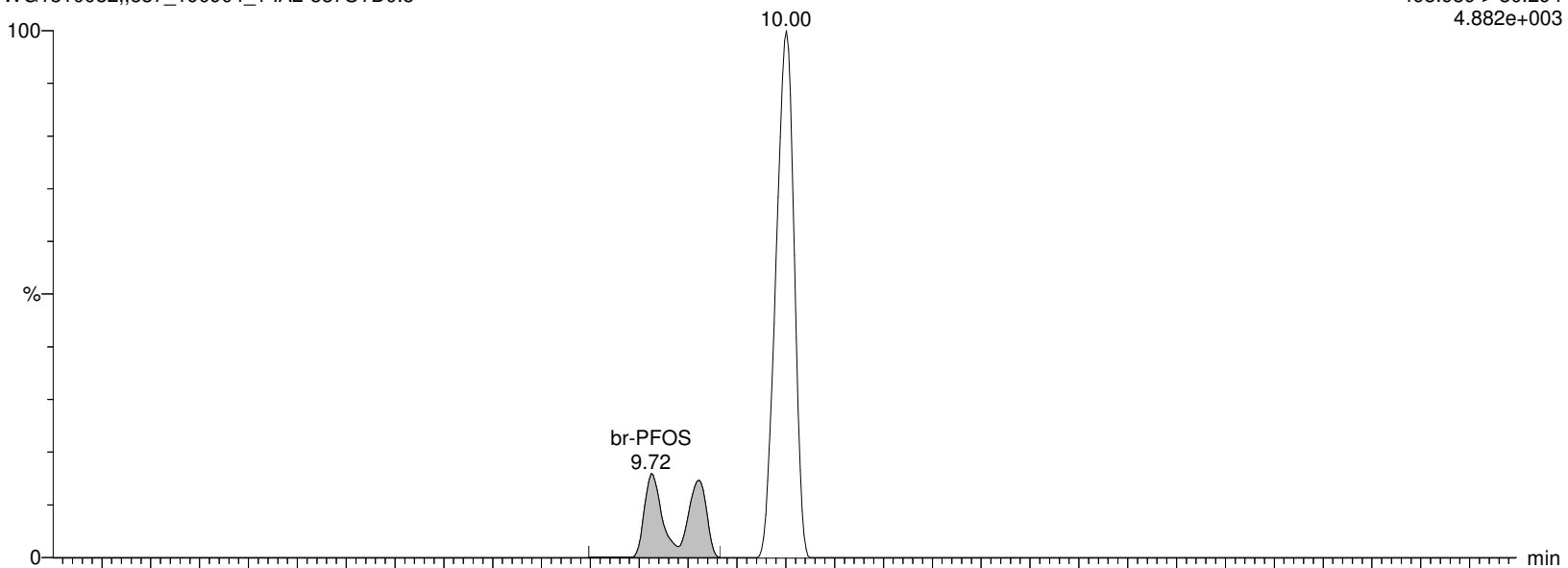
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.882e+003



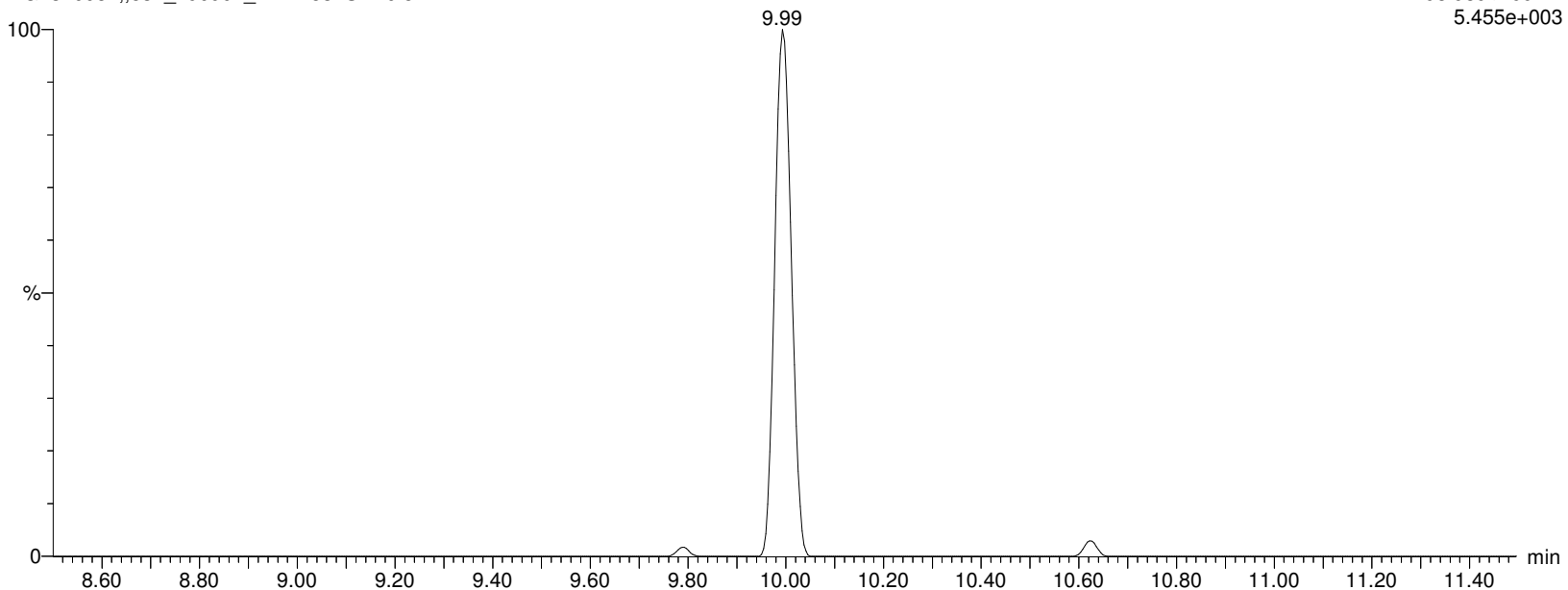
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 99.27

5.455e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

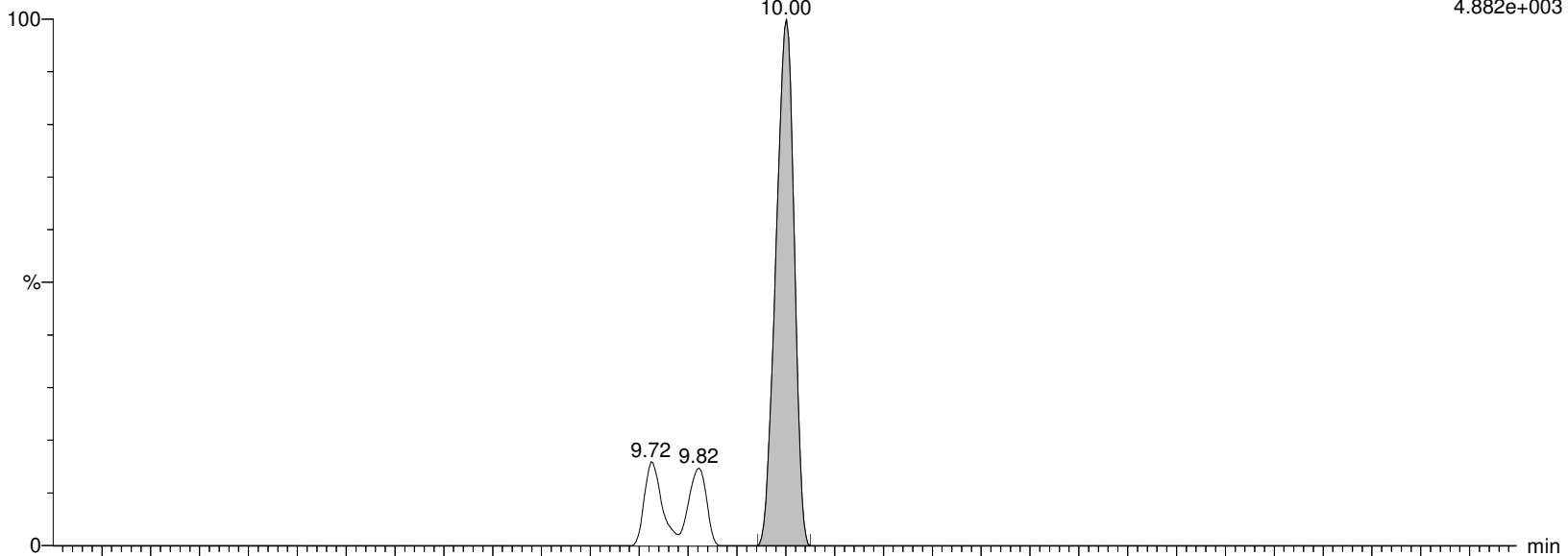
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.882e+003



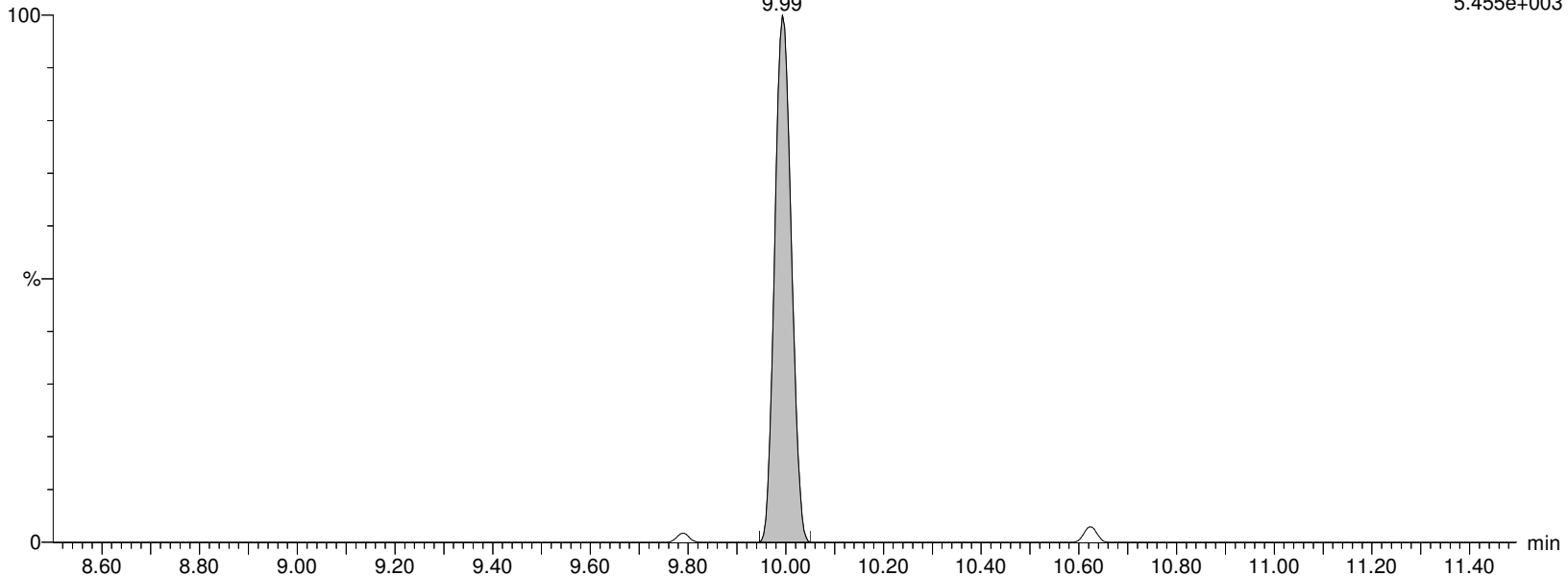
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 99.27

5.455e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

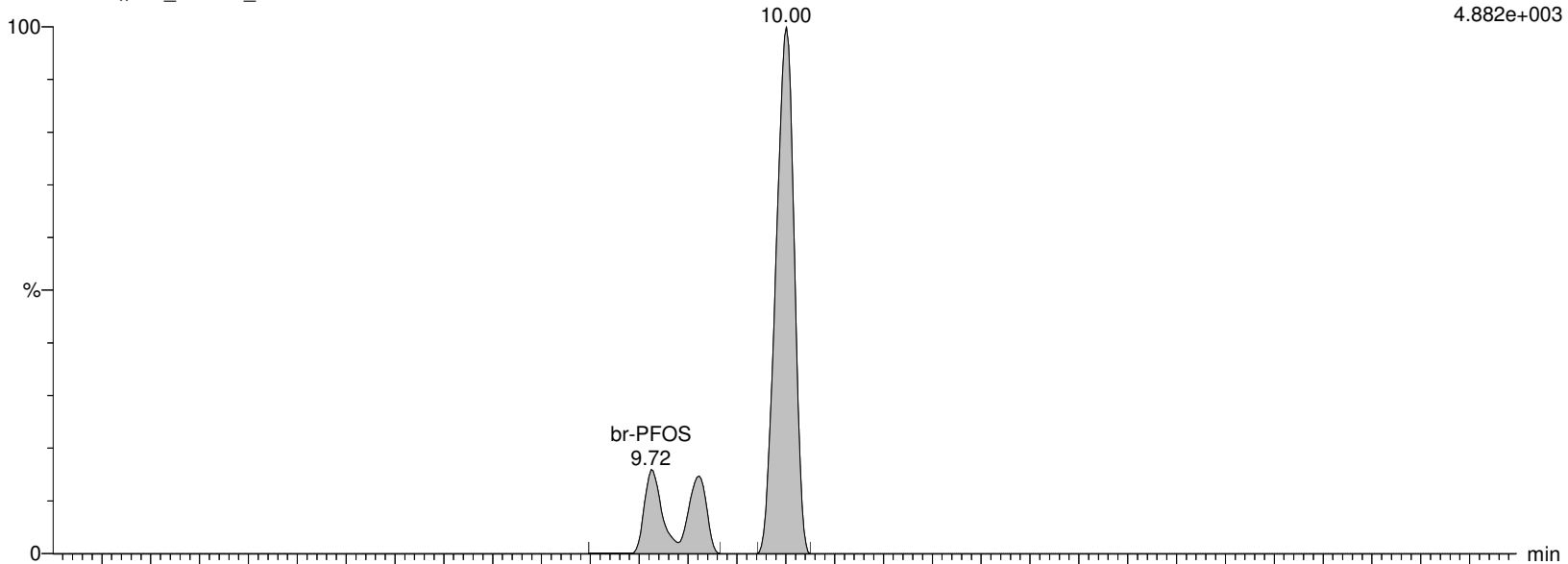
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.882e+003



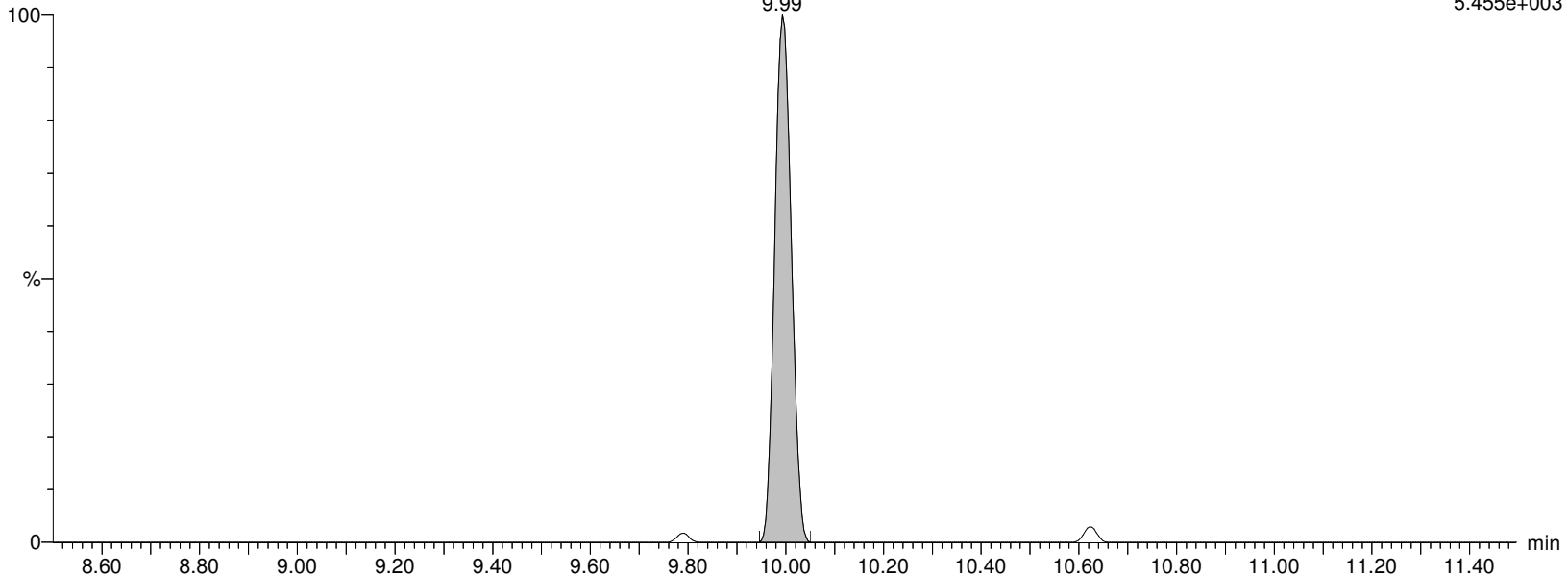
I13434 Smooth(Mn,3x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F29:MRM of 2 channels,ES-

498.989 > 99.27

5.455e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

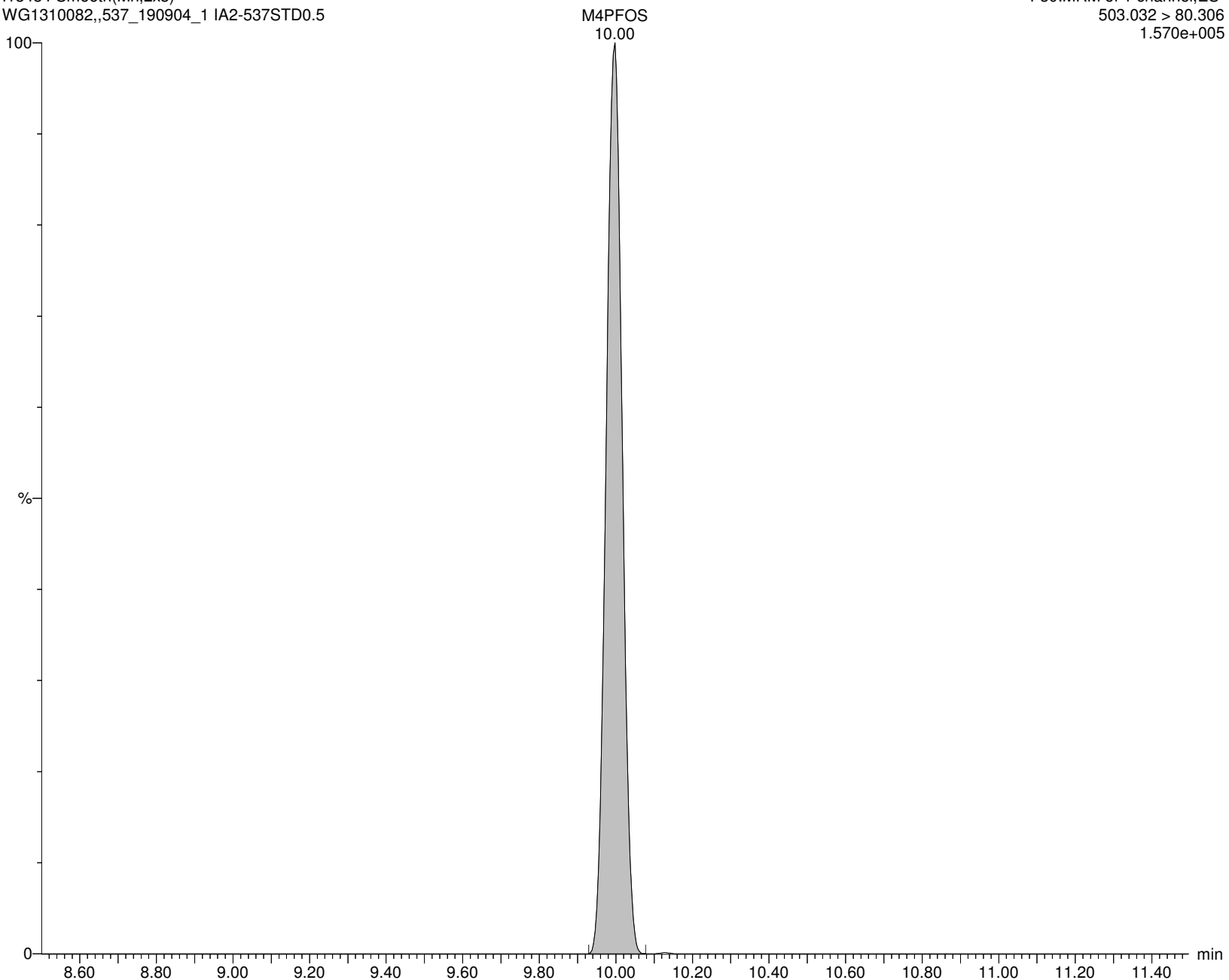
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.570e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

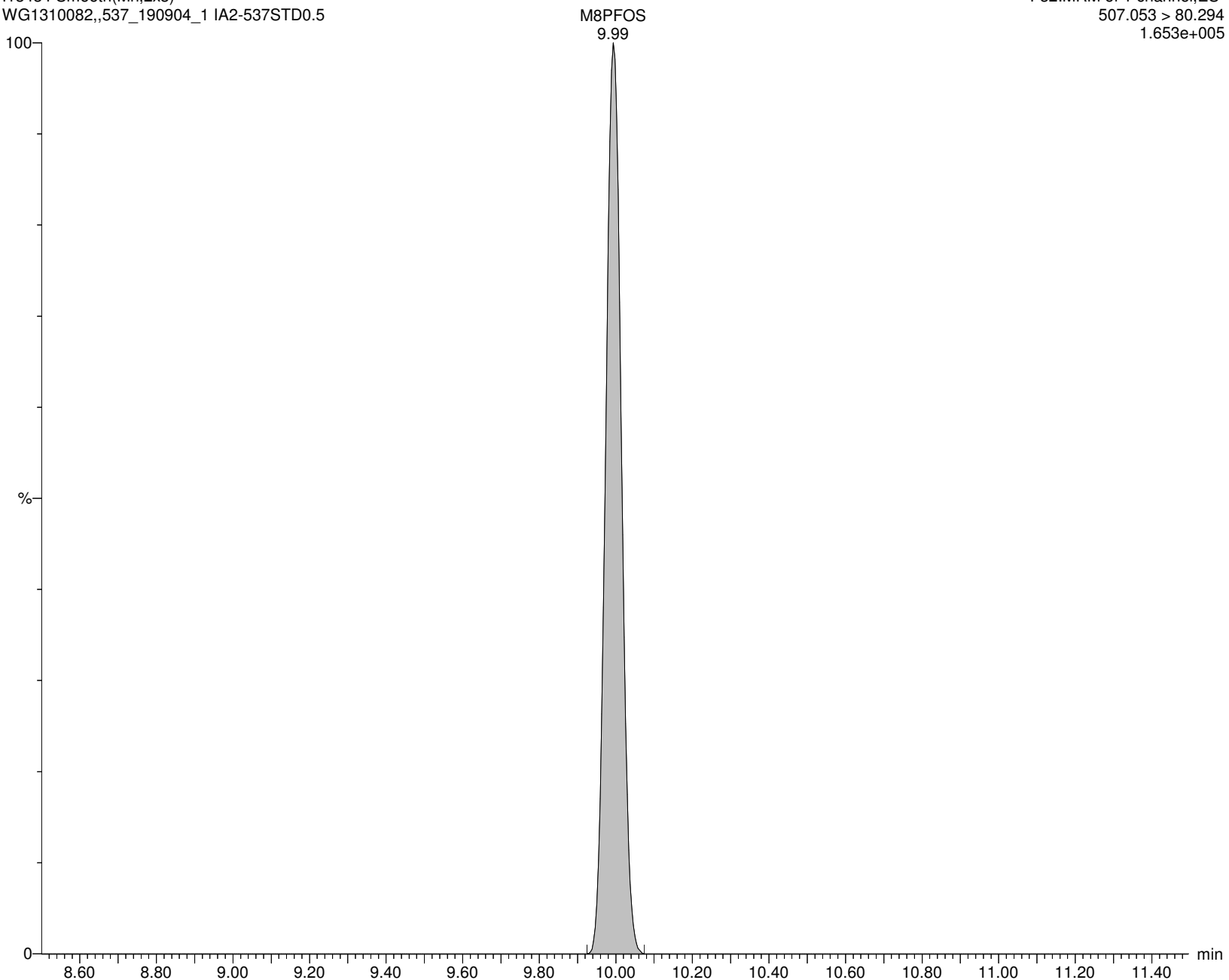
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.653e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

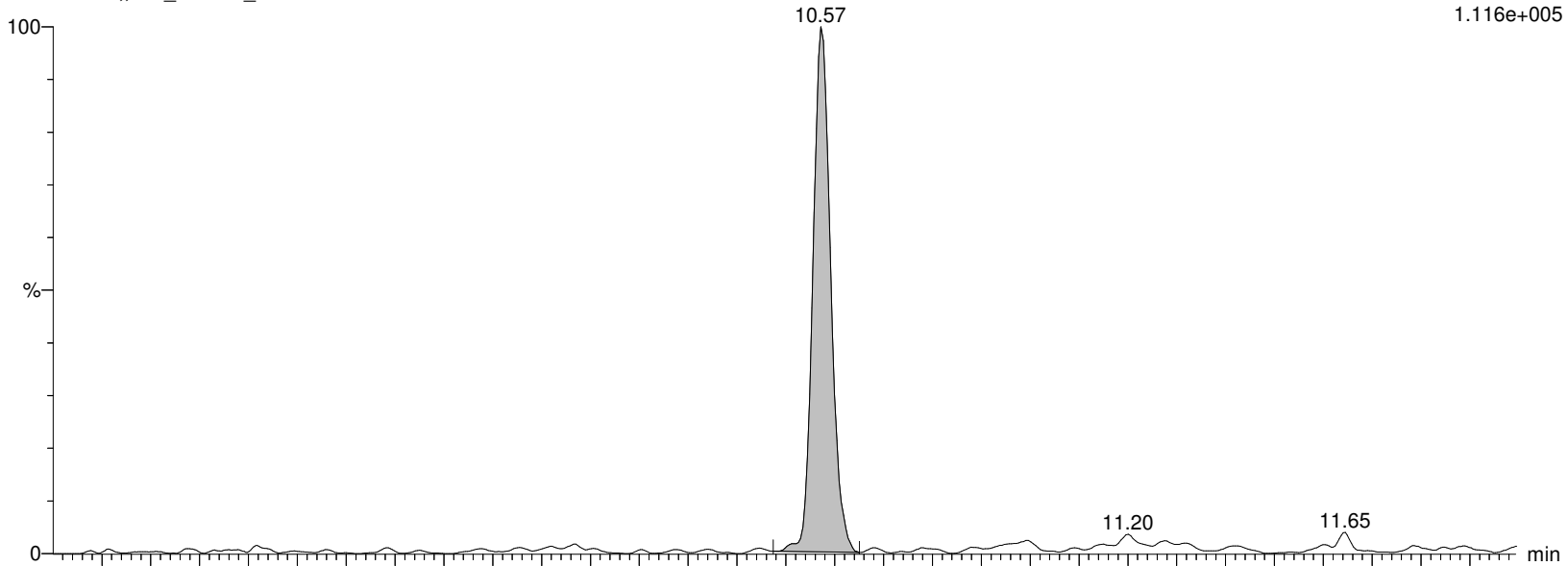
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F34:MRM of 2 channels,ES-

513.053 > 468.906

1.116e+005



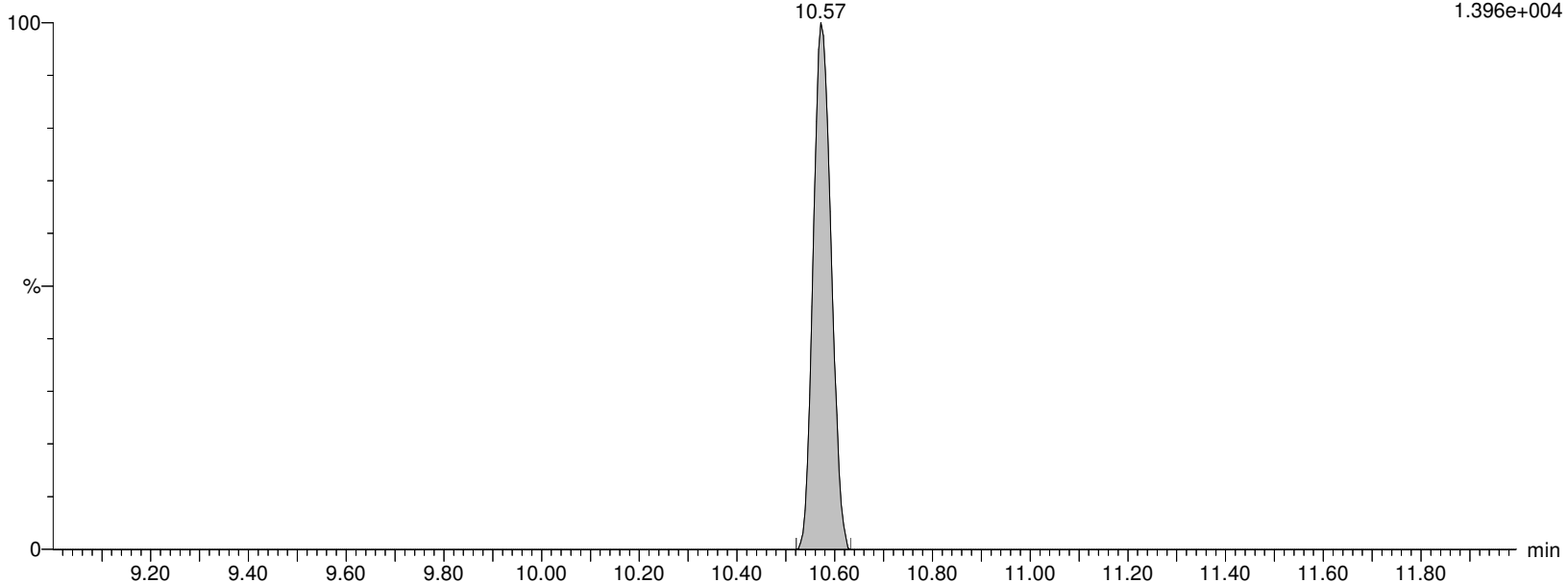
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F34:MRM of 2 channels,ES-

513.053 > 219.08

1.396e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

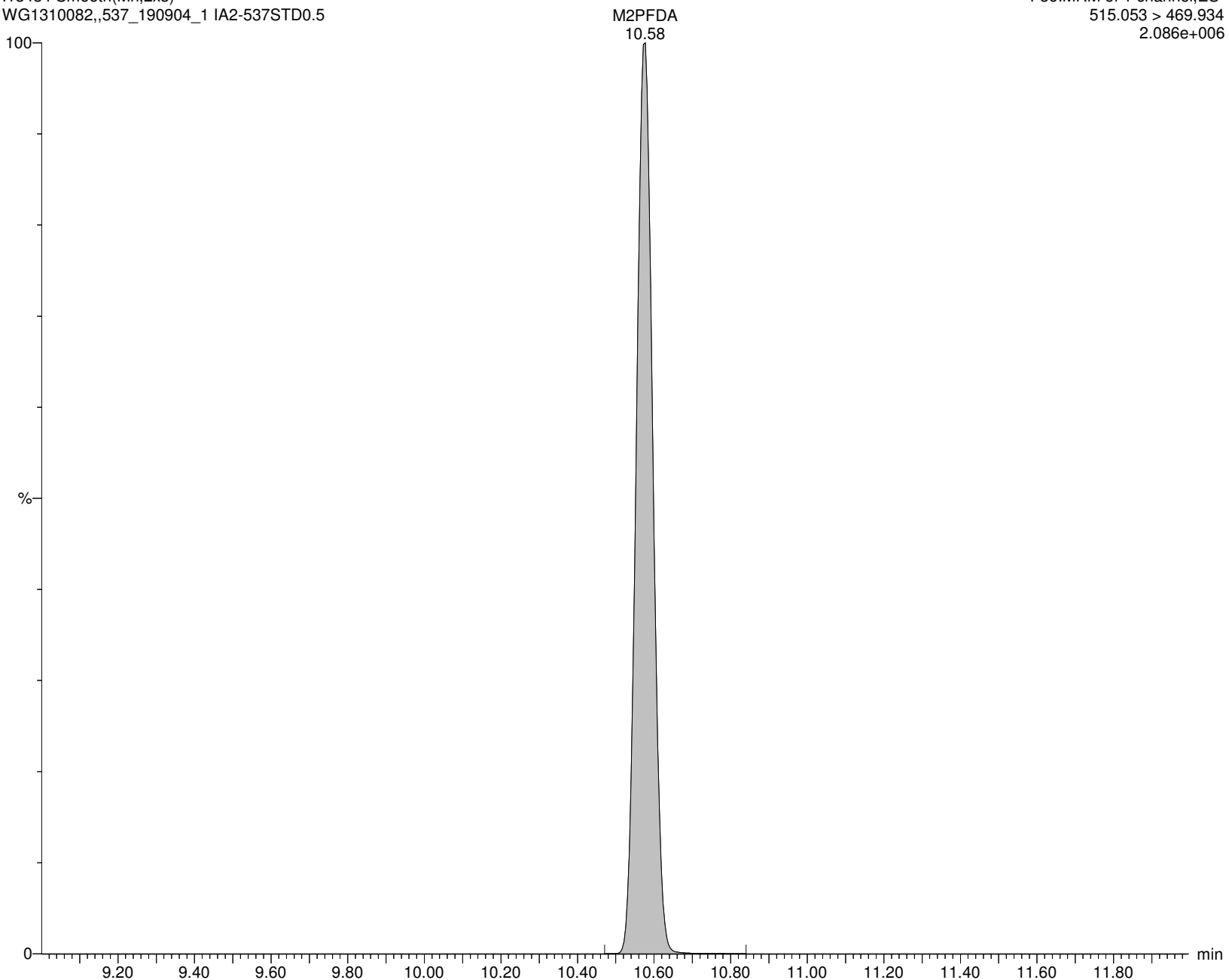
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.086e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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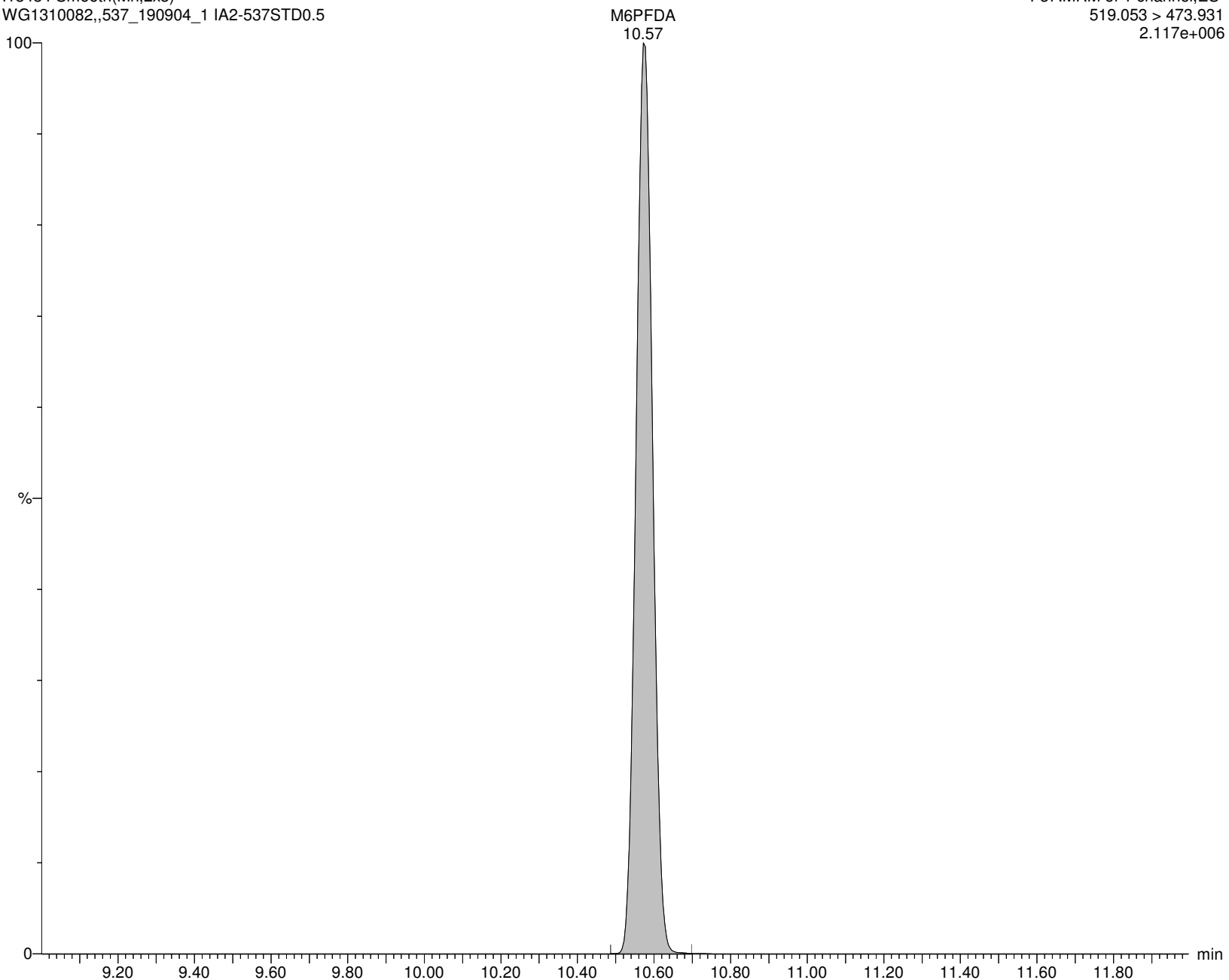
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.117e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

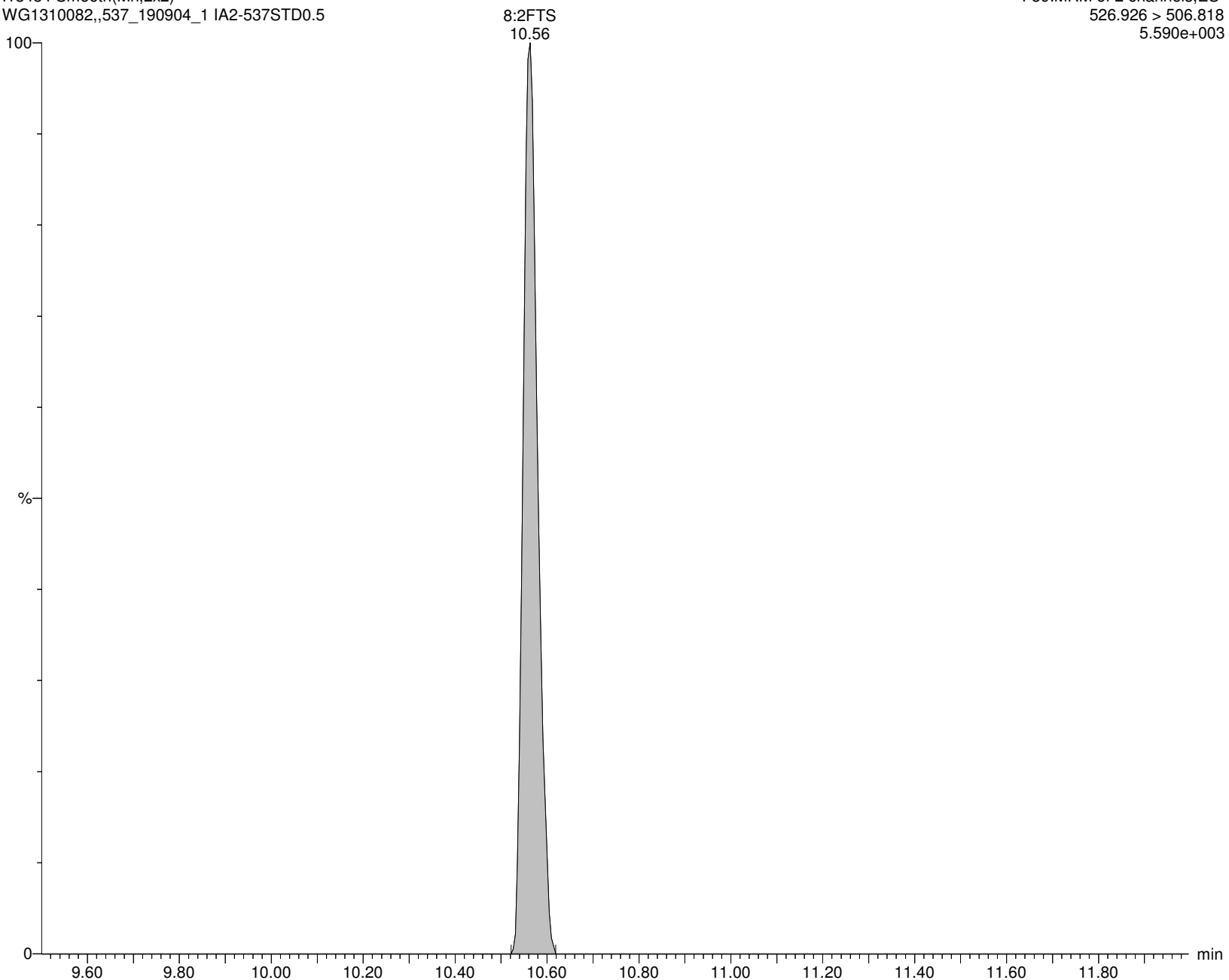
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F39:MRM of 2 channels,ES-

526.926 > 506.818

5.590e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

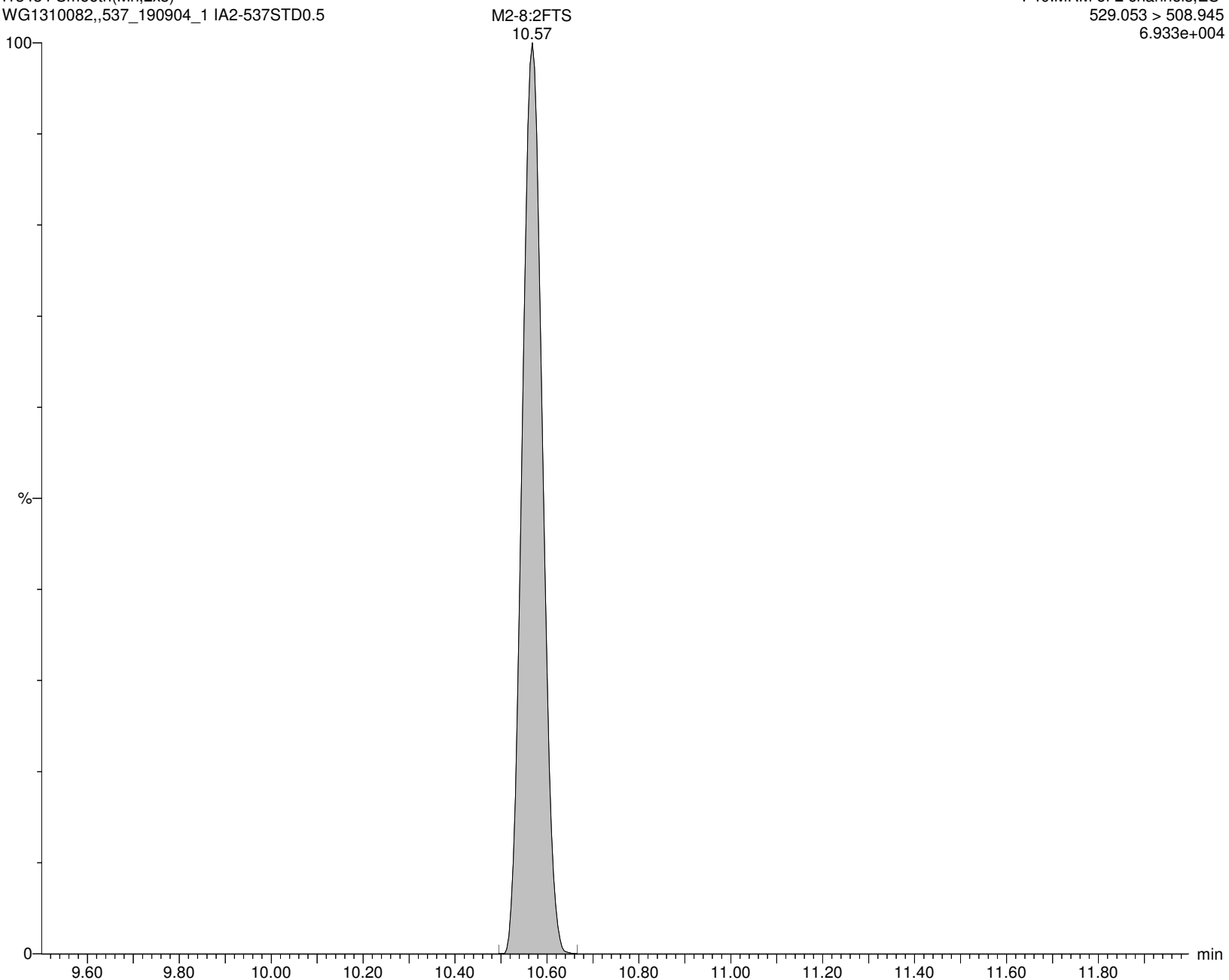
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F40:MRM of 2 channels,ES-

529.053 > 508.945

6.933e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

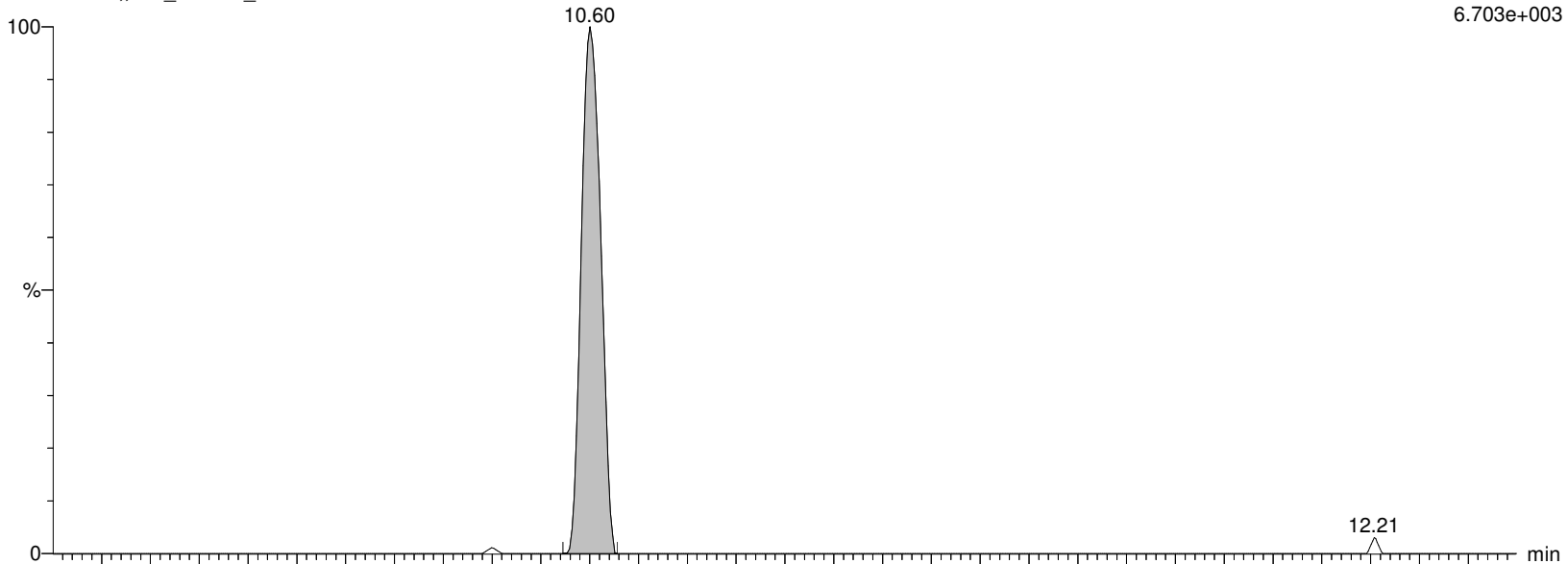
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

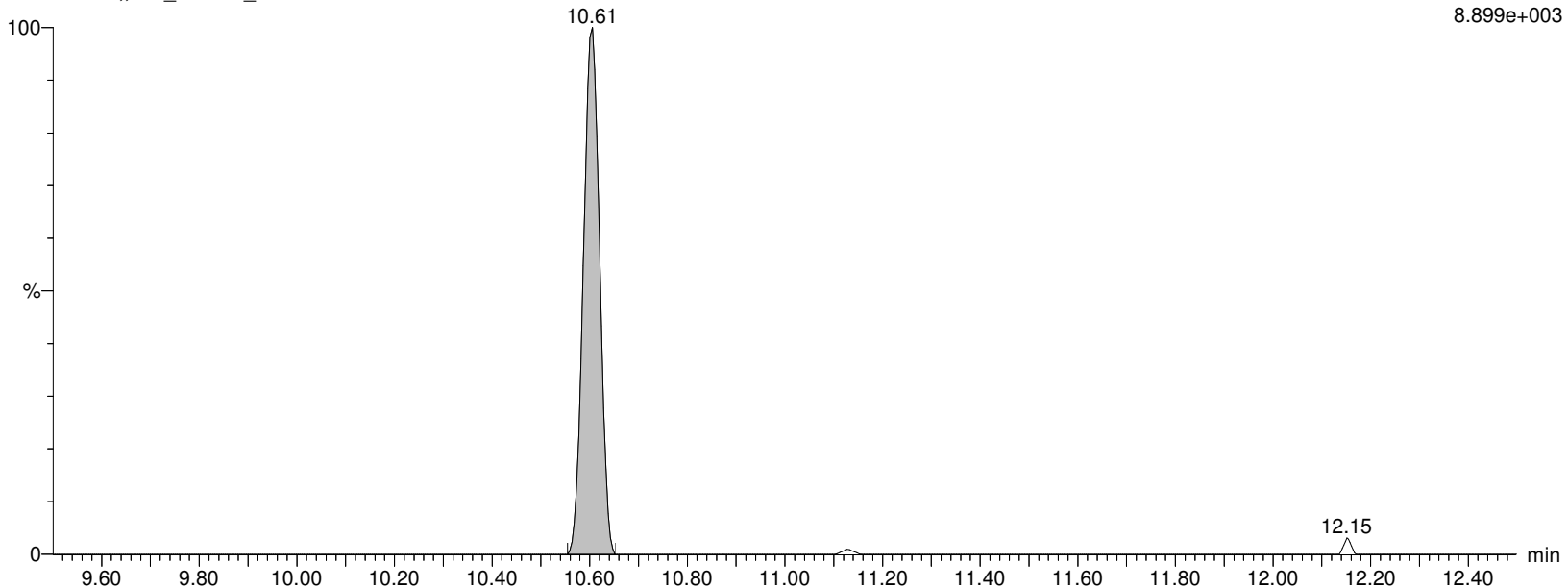
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5



I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

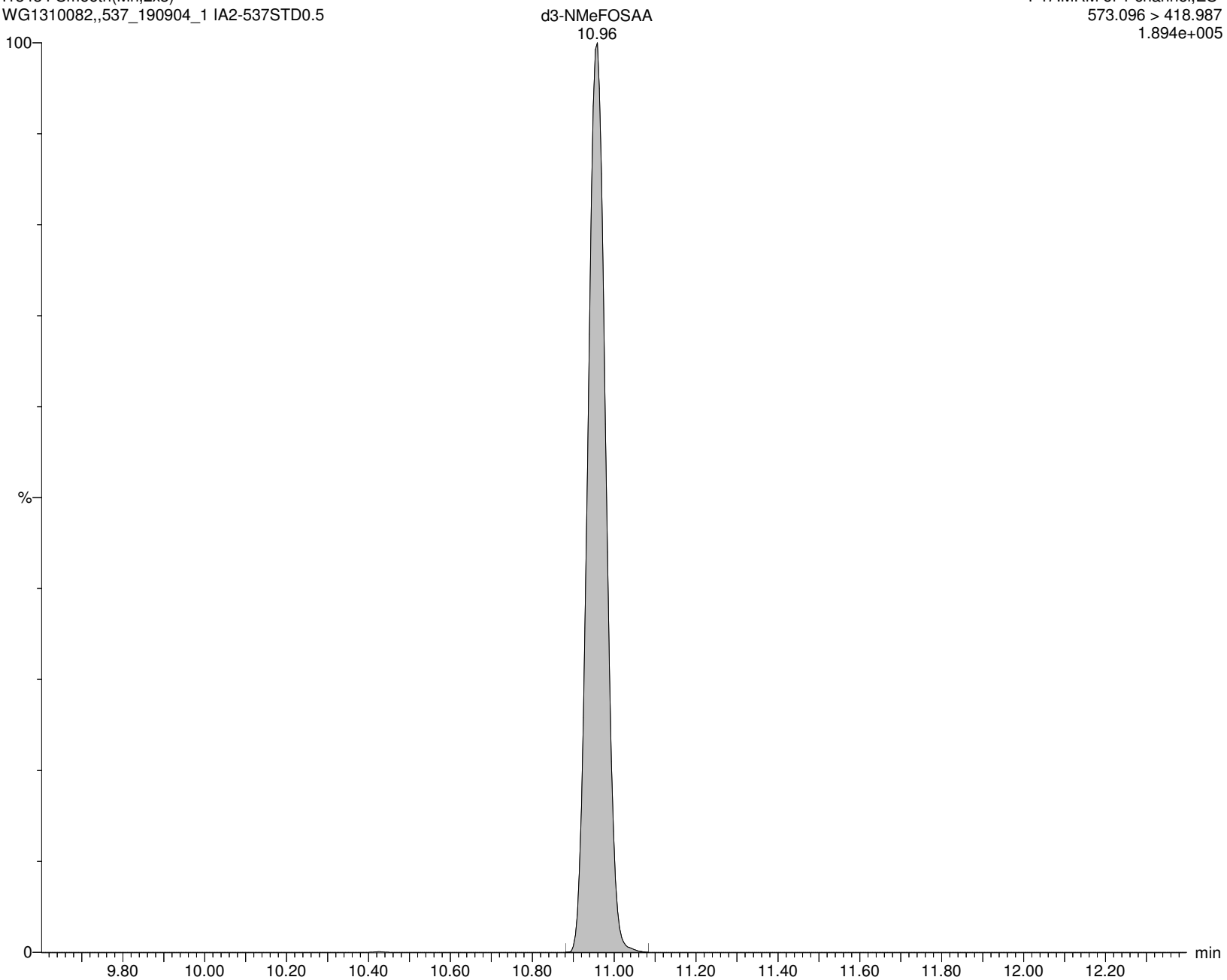
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F47:MRM of 1 channel,ES-

573.096 > 418.987

1.894e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

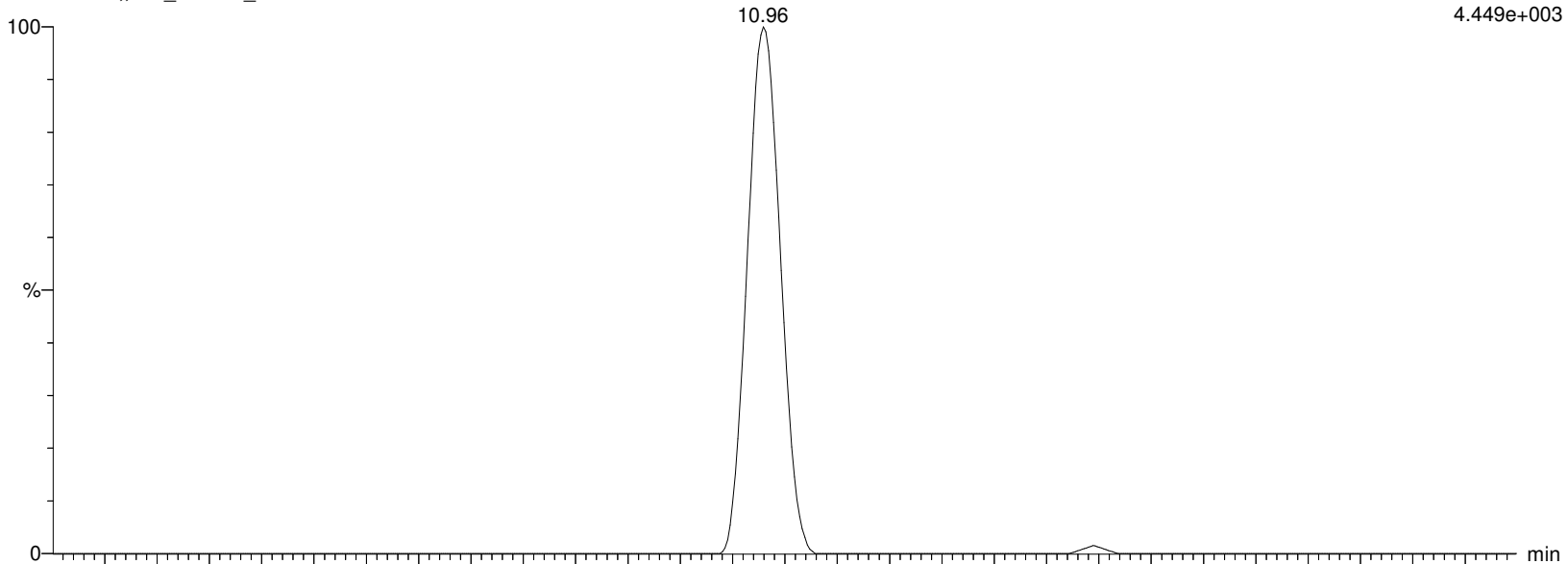
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F45:MRM of 2 channels,ES-

570.053 > 418.917

4.449e+003



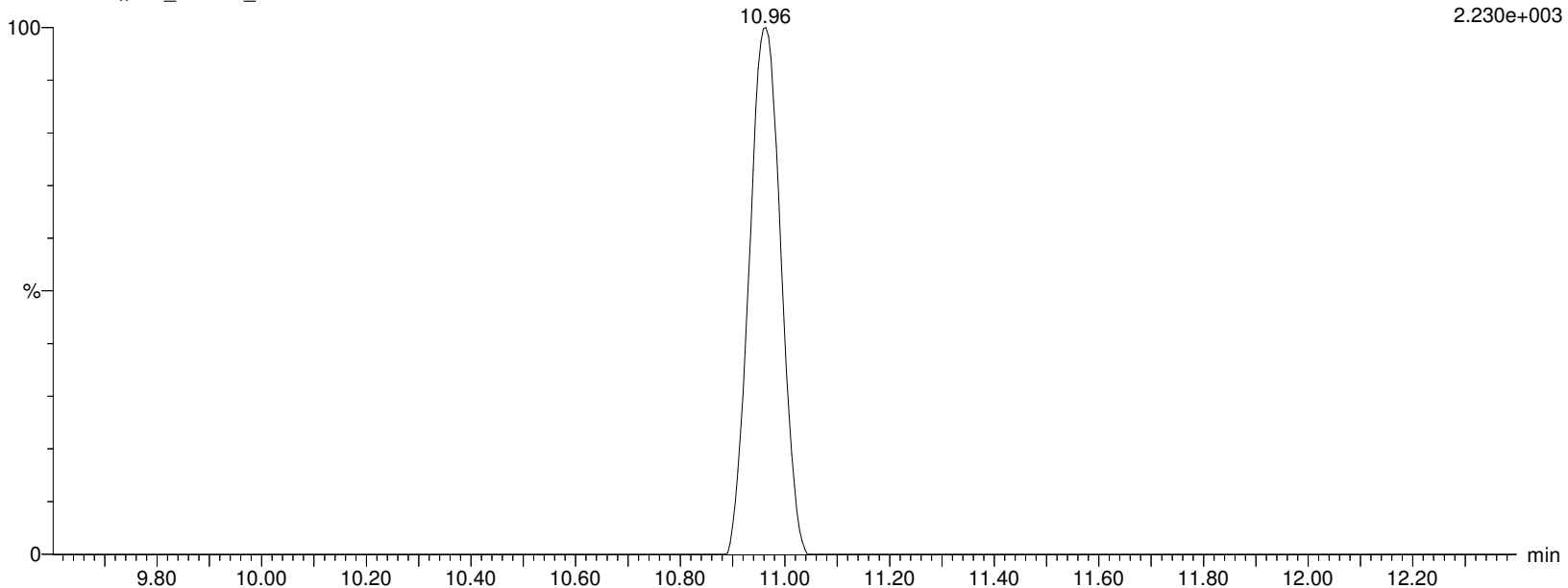
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.230e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

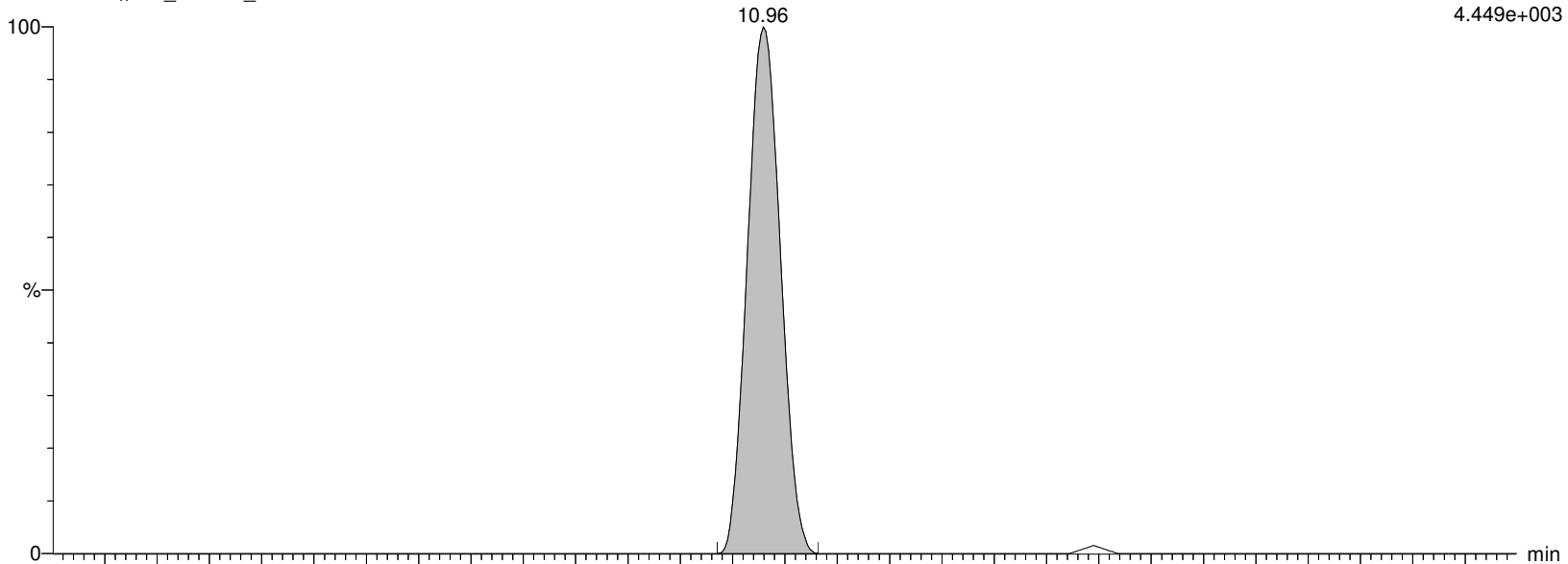
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

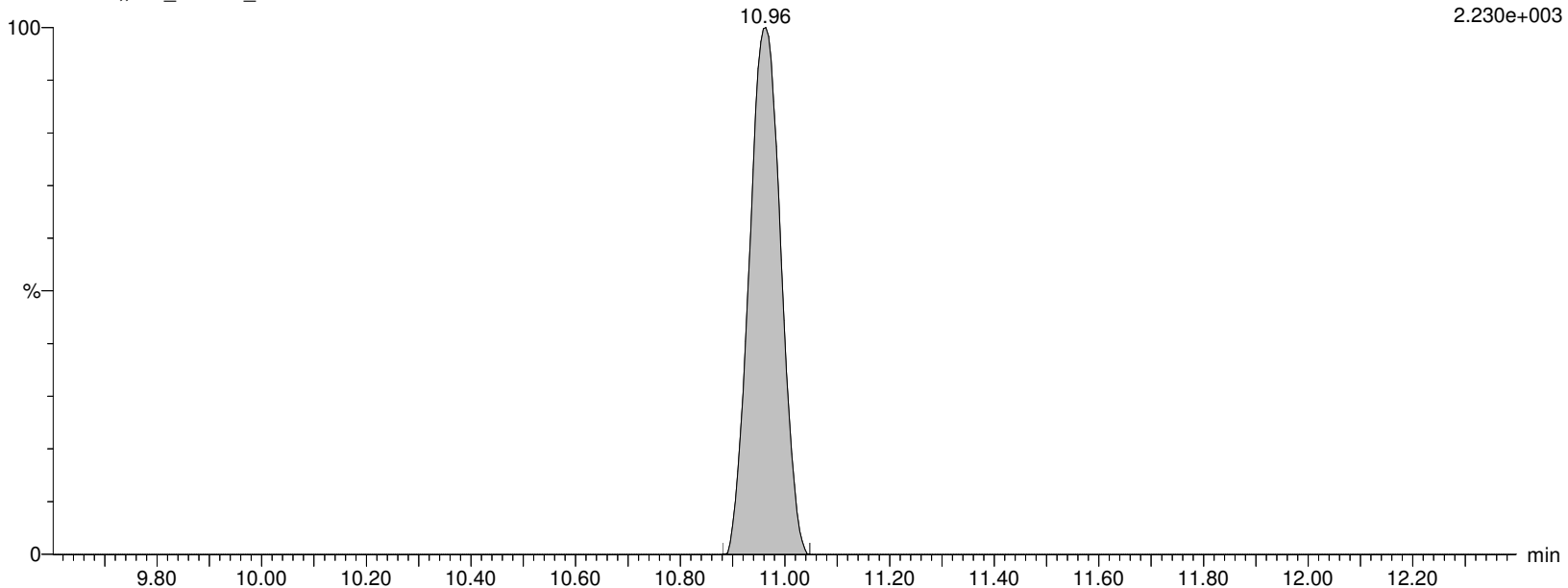
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5



I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

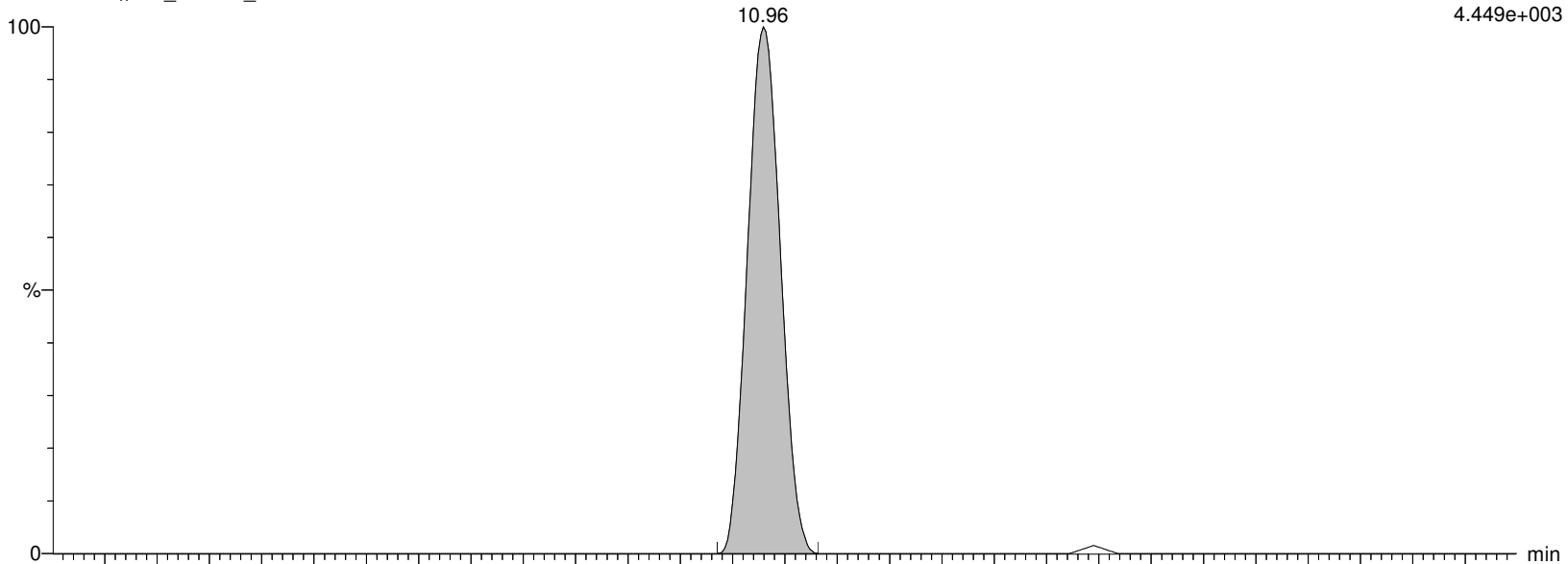
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

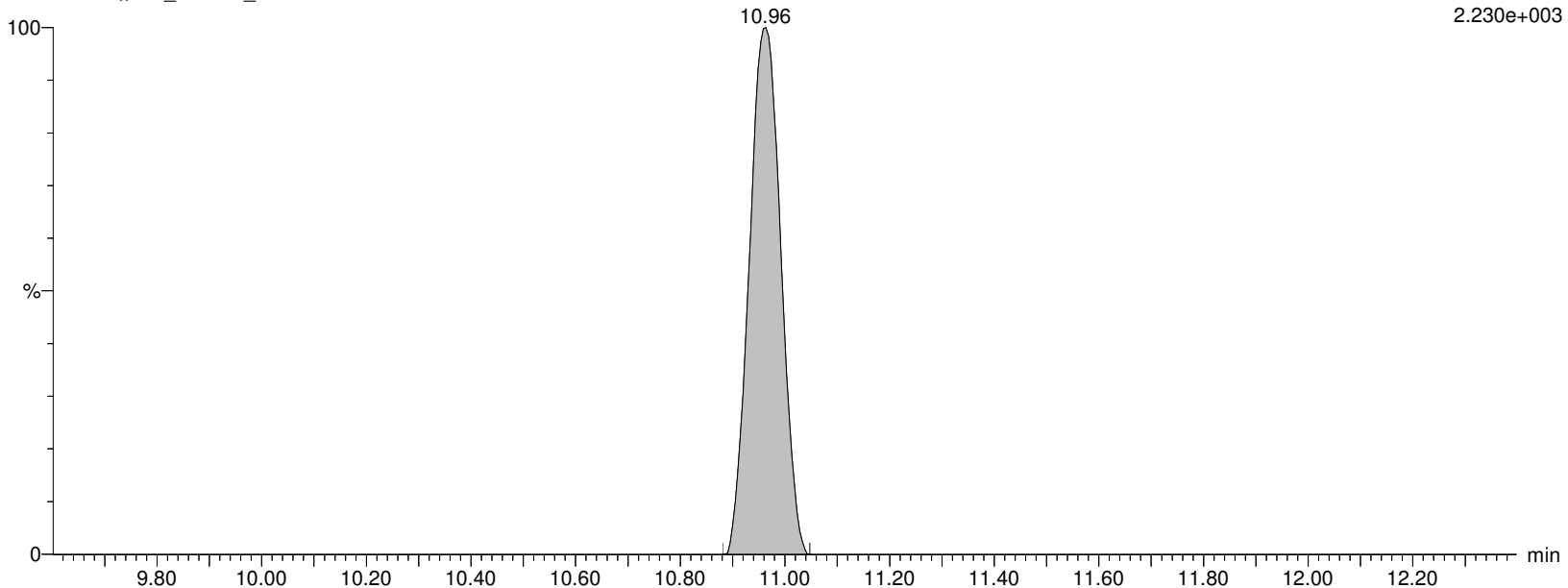
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5



I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

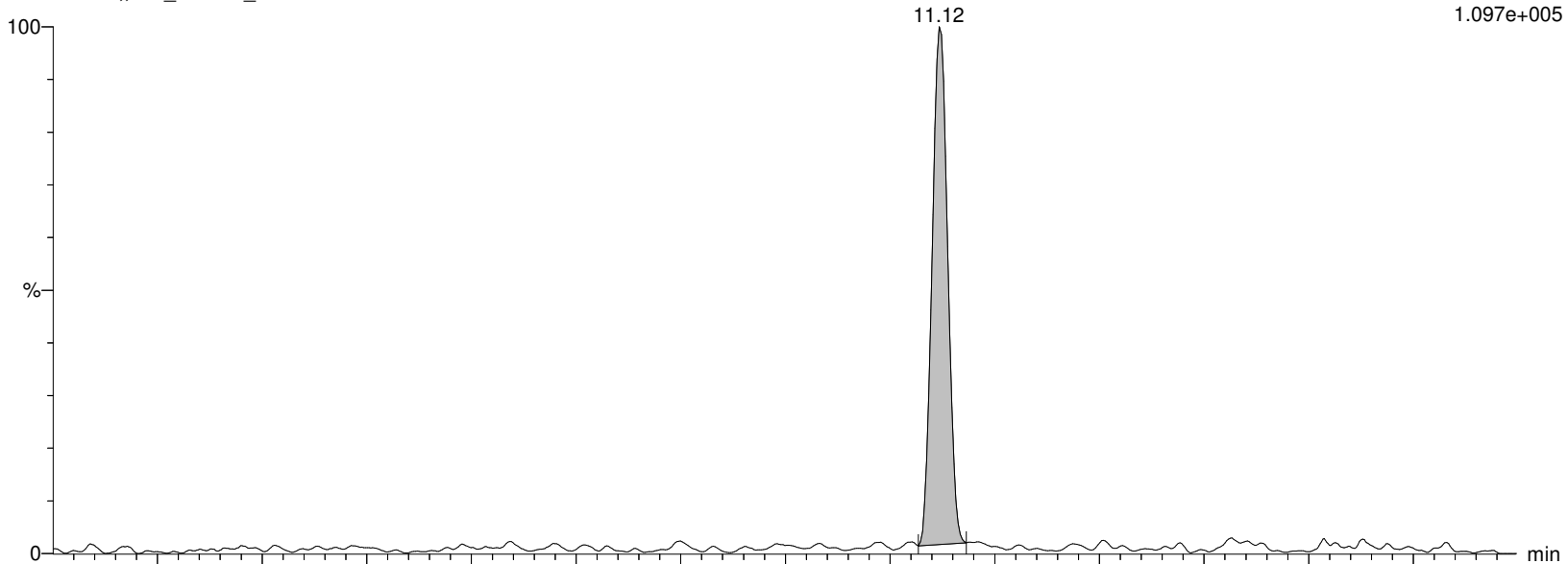
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F44:MRM of 2 channels,ES-

562.989 > 518.903

1.097e+005



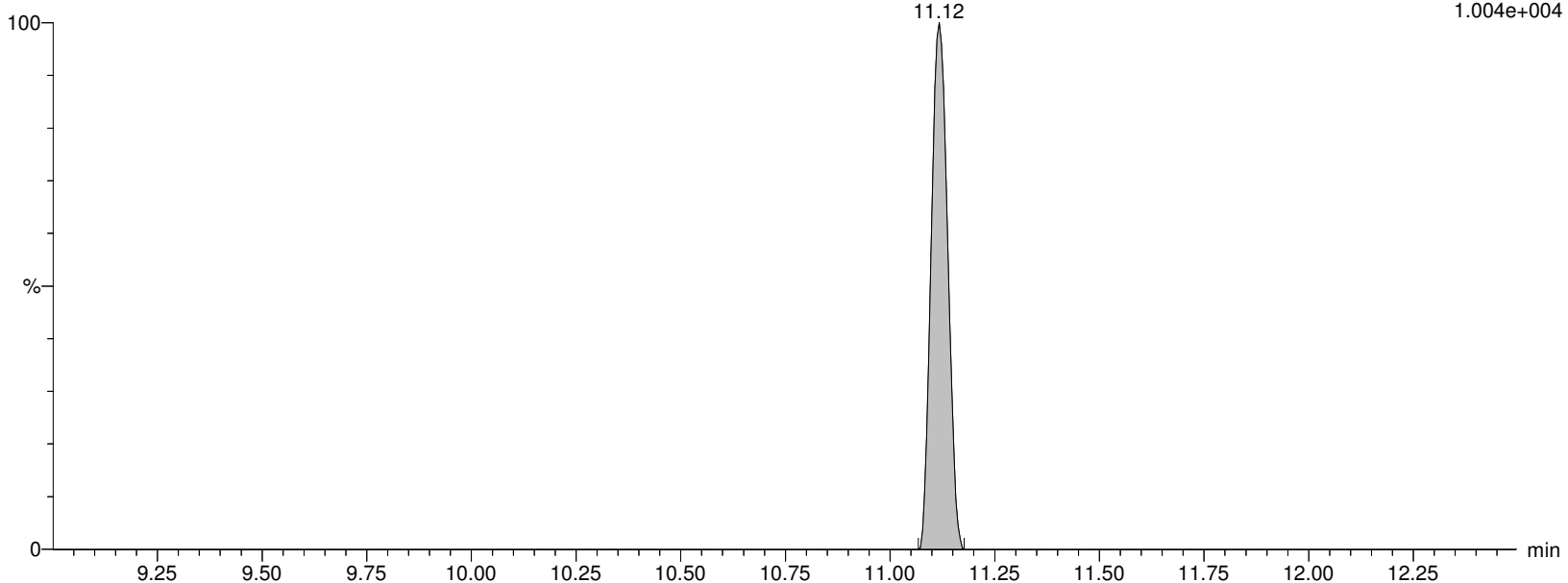
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F44:MRM of 2 channels,ES-

562.989 > 269.01

1.004e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

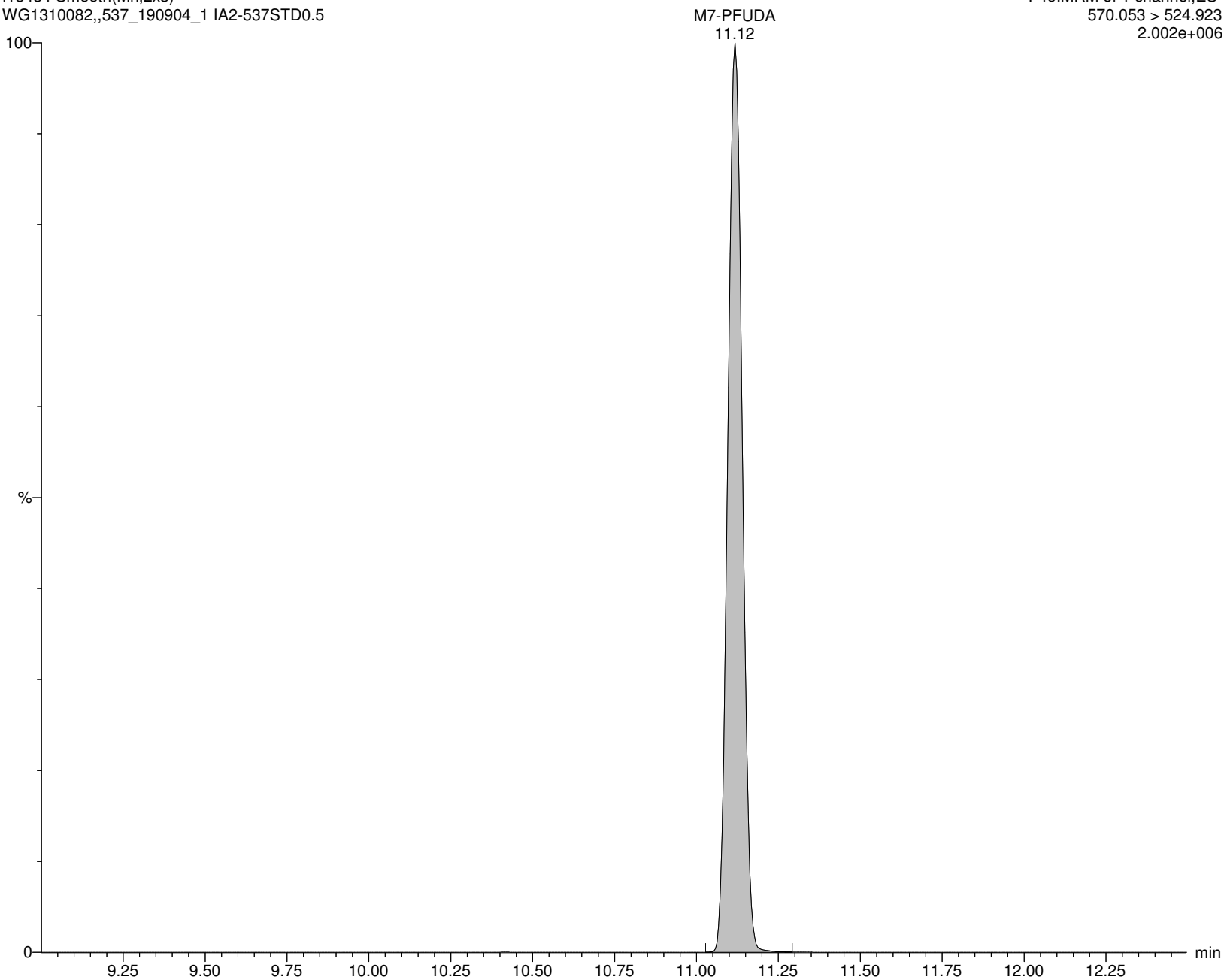
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F46:MRM of 1 channel,ES-

570.053 > 524.923

2.002e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

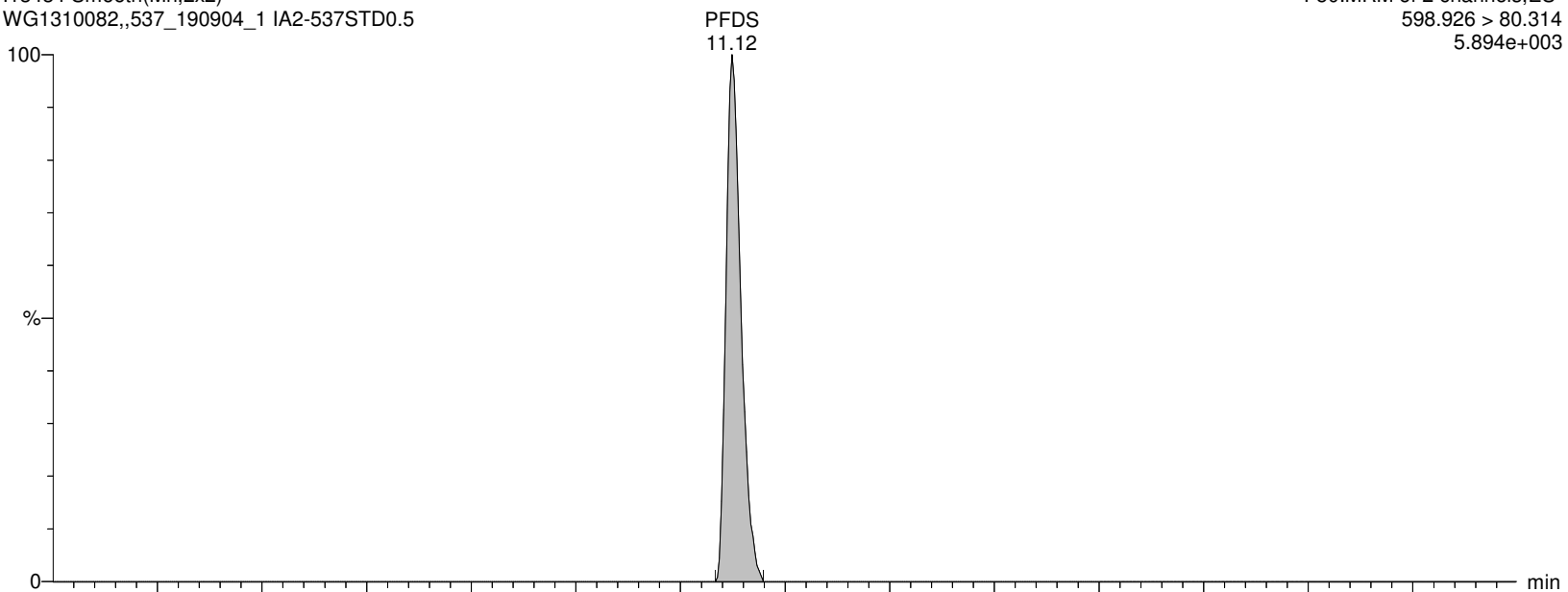
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F50:MRM of 2 channels,ES-

598.926 > 80.314

5.894e+003



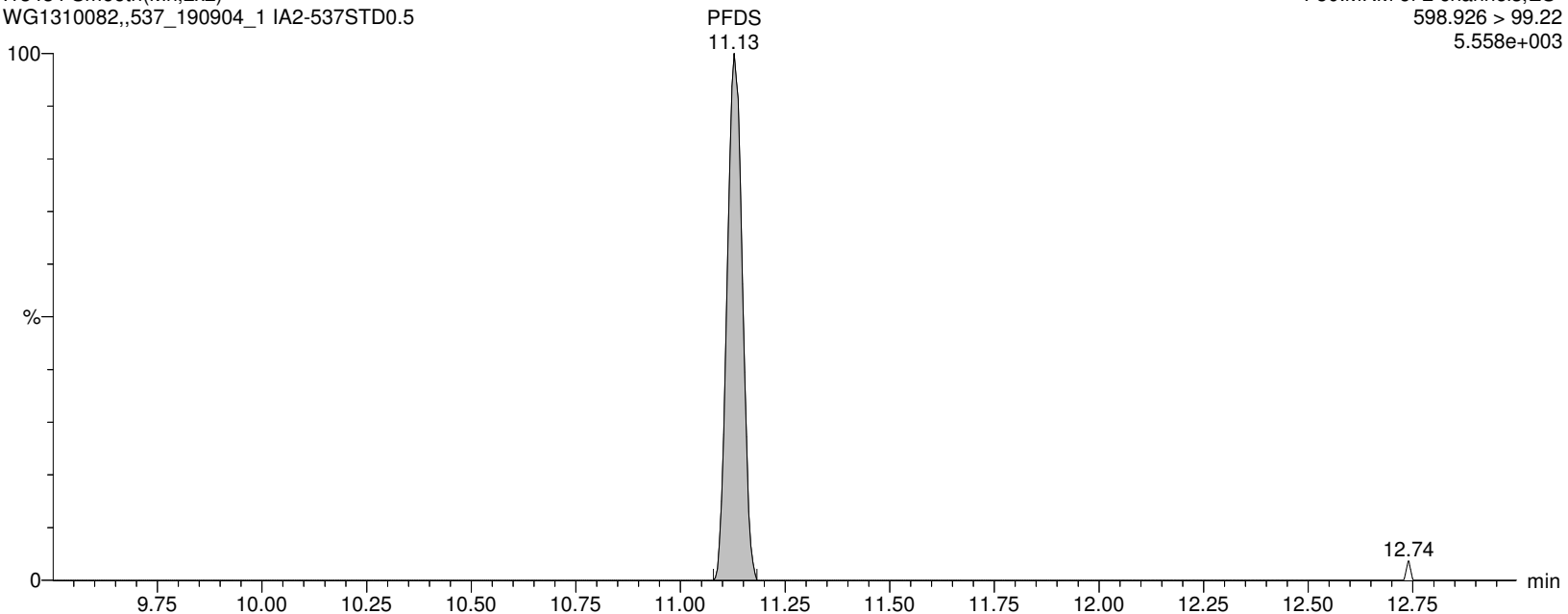
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F50:MRM of 2 channels,ES-

598.926 > 99.22

5.558e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

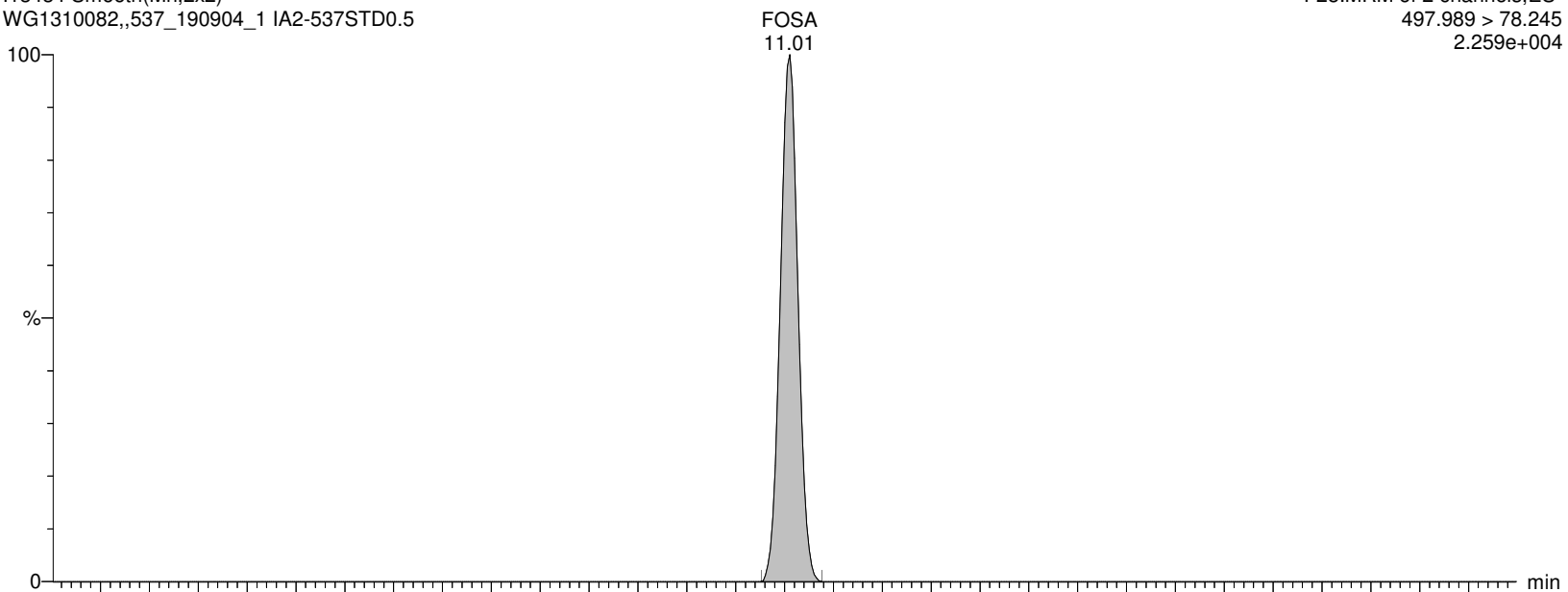
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F28:MRM of 2 channels,ES-

497.989 > 78.245

2.259e+004



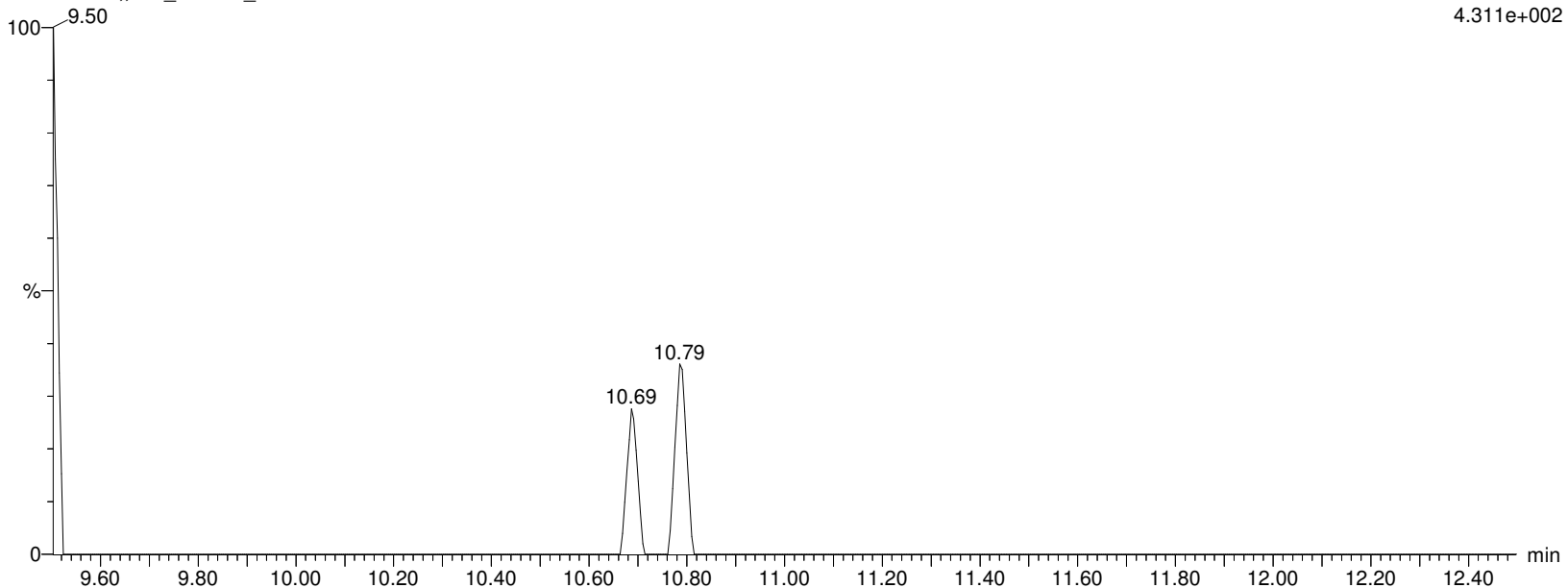
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F28:MRM of 2 channels,ES-

497.989 > 168.854

4.311e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

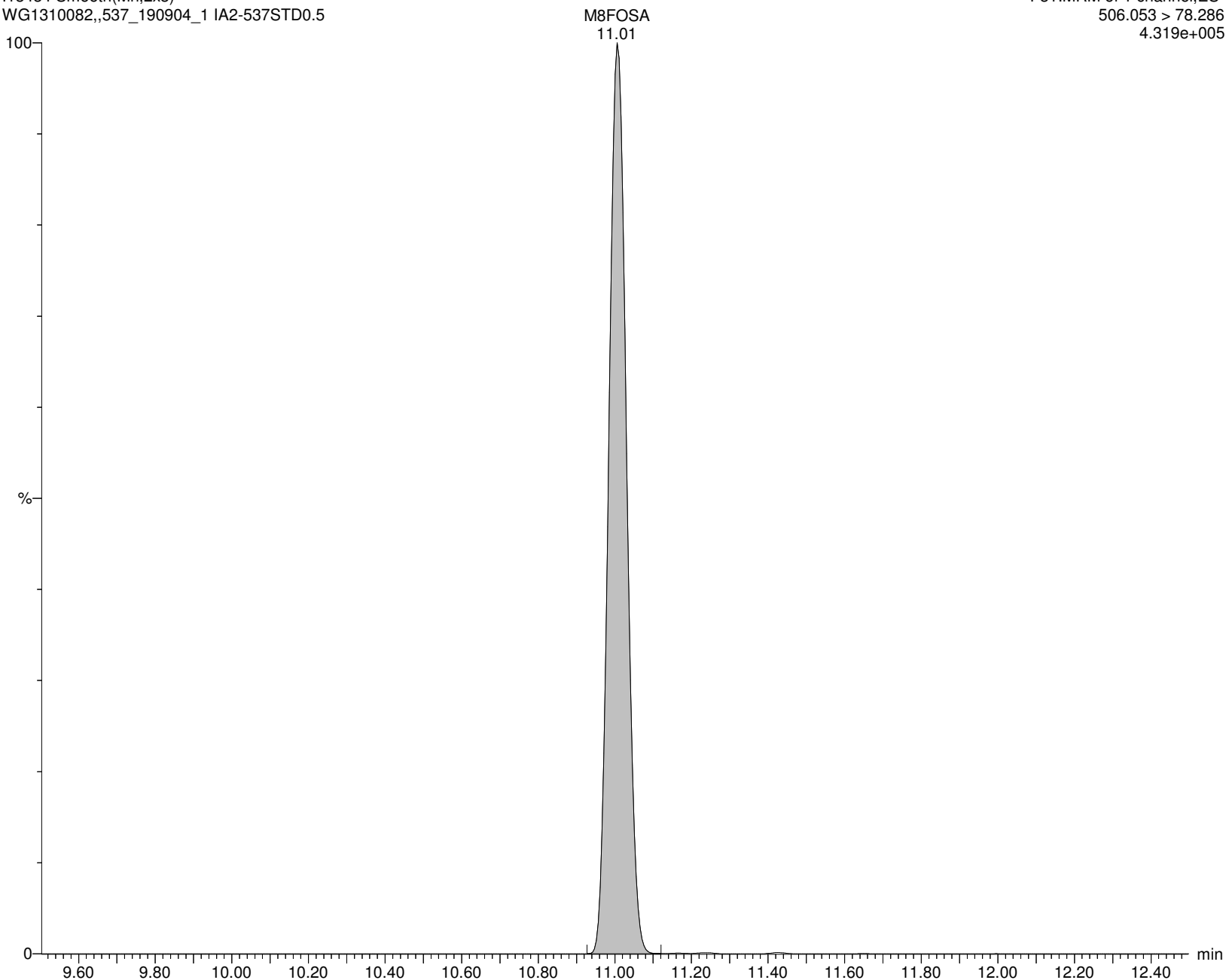
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.319e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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d5-NEtFOSAA

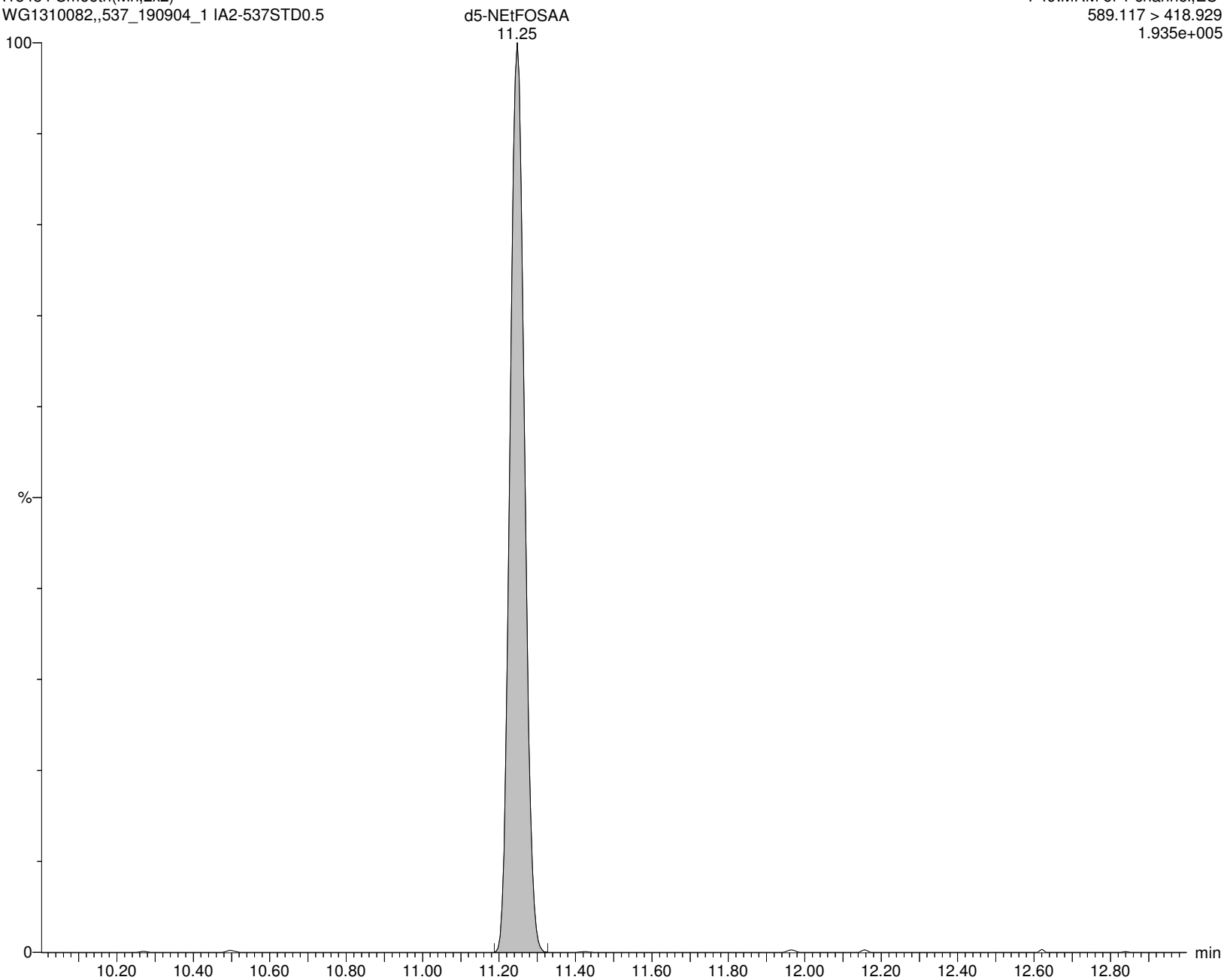
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F49:MRM of 1 channel,ES-

589.117 > 418.929

1.935e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

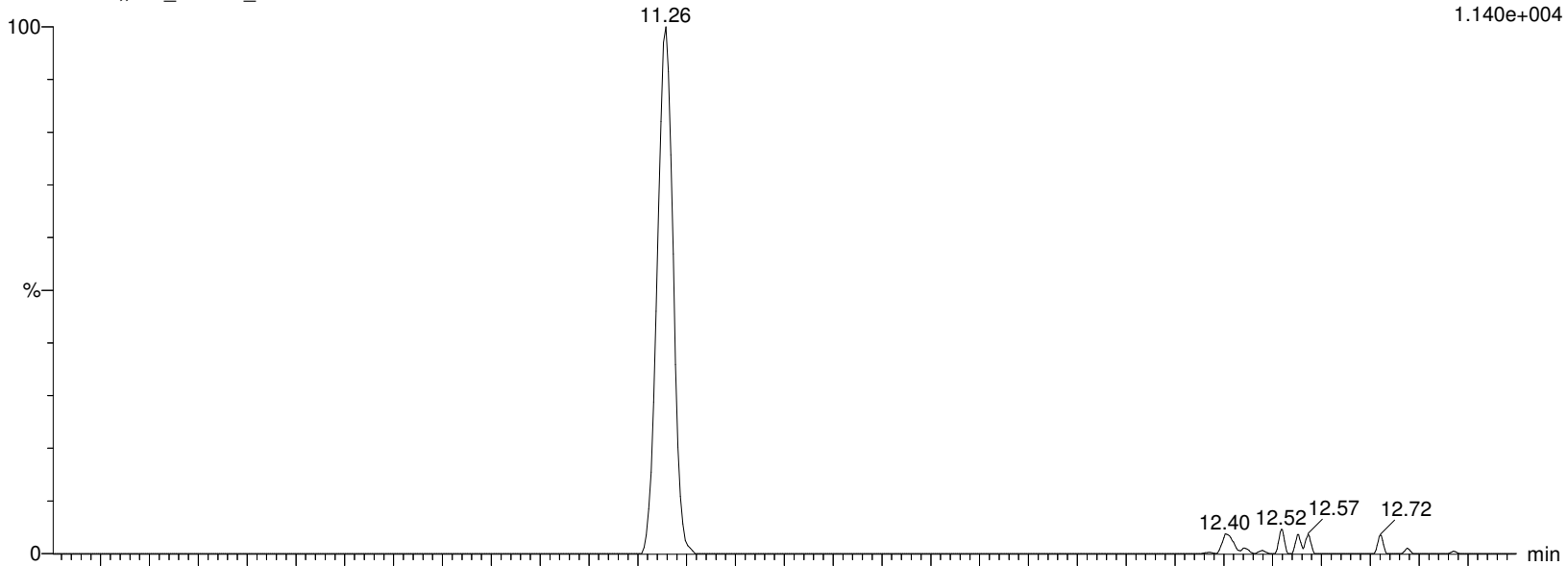
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.140e+004



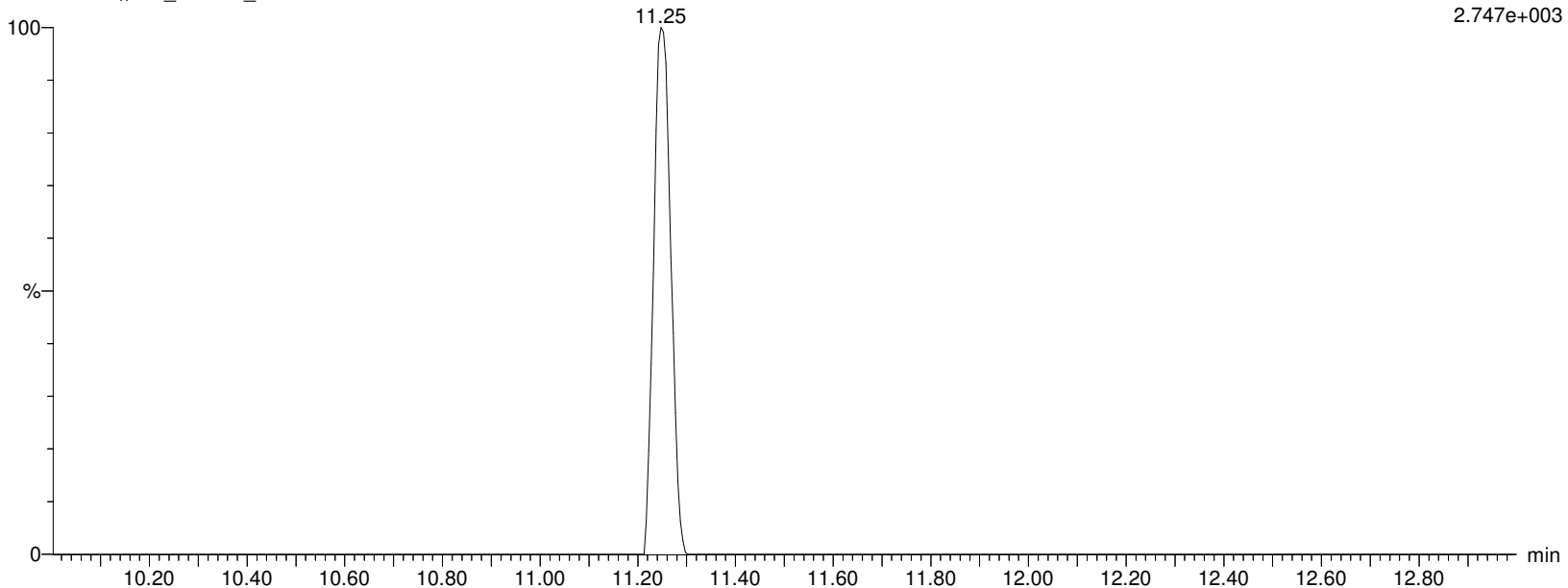
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 482.88

2.747e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

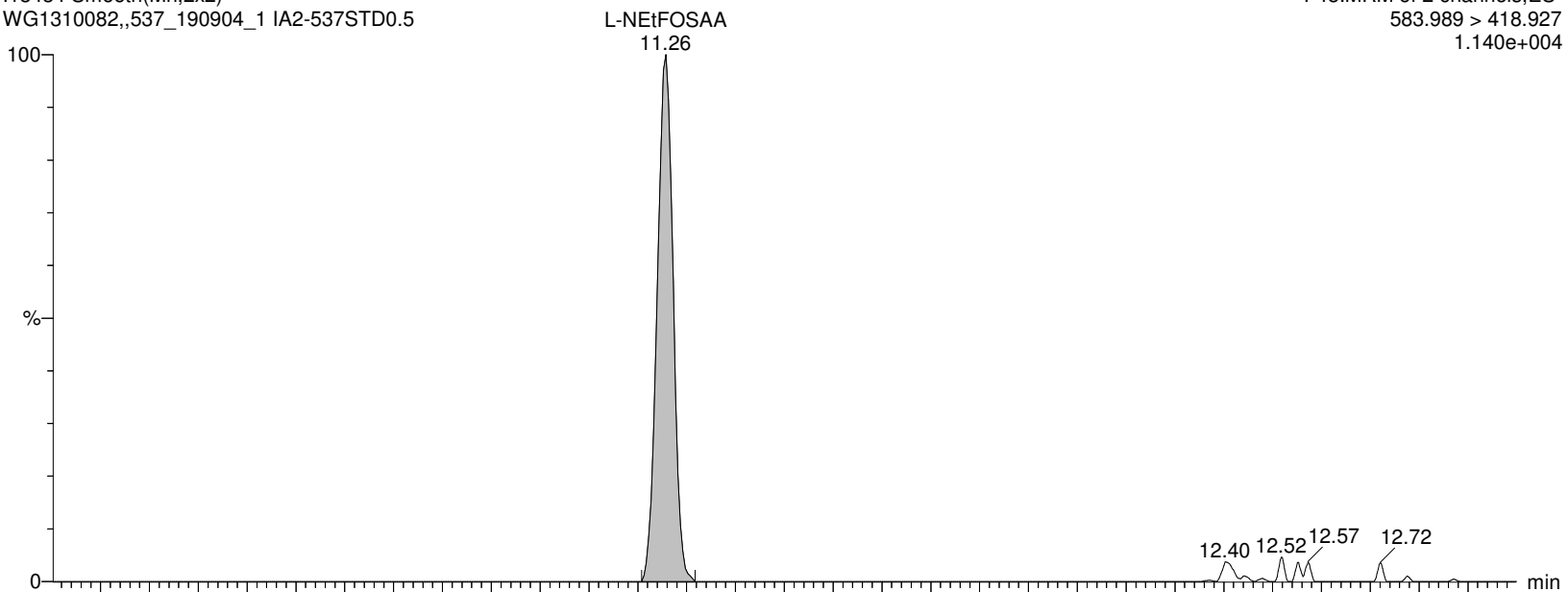
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.140e+004



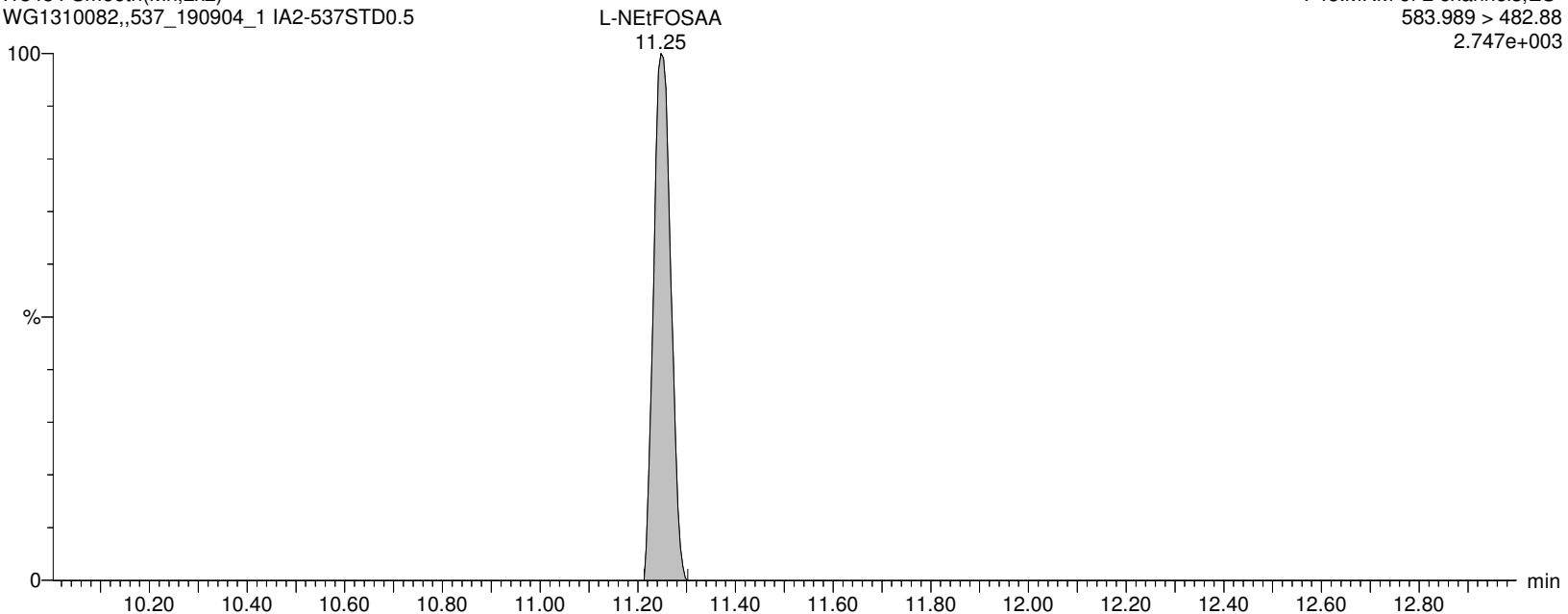
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 482.88

2.747e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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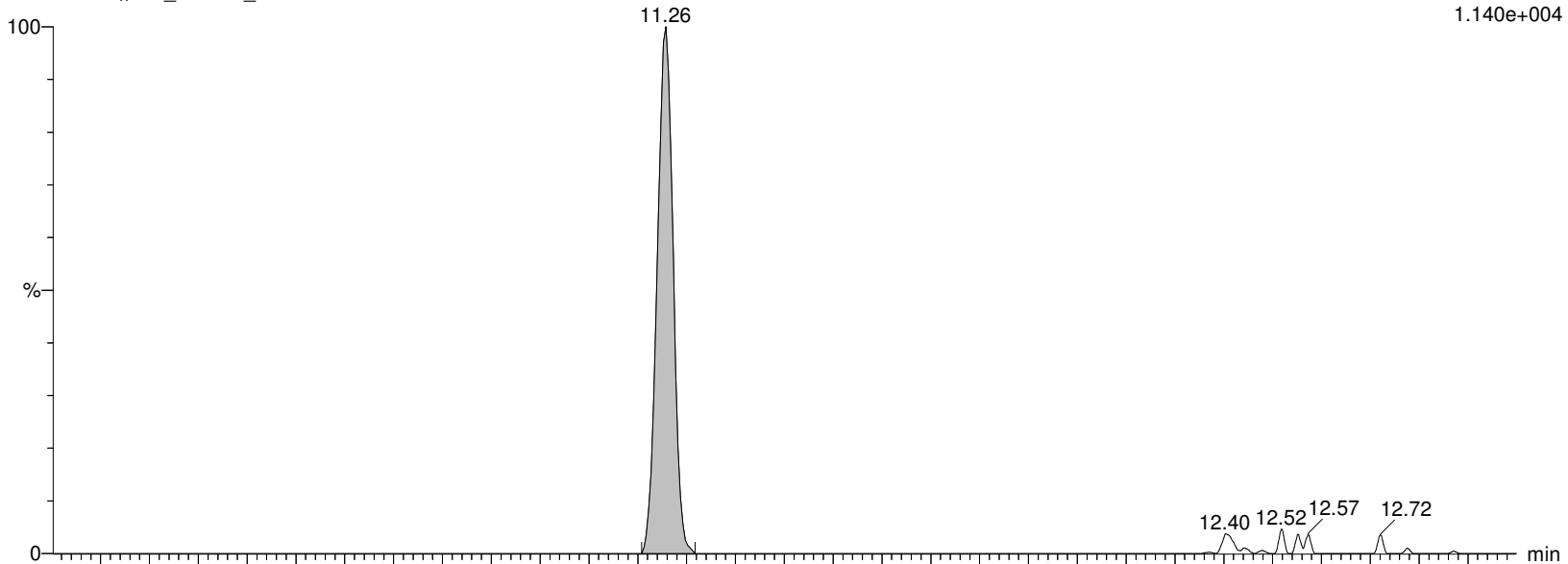
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.140e+004



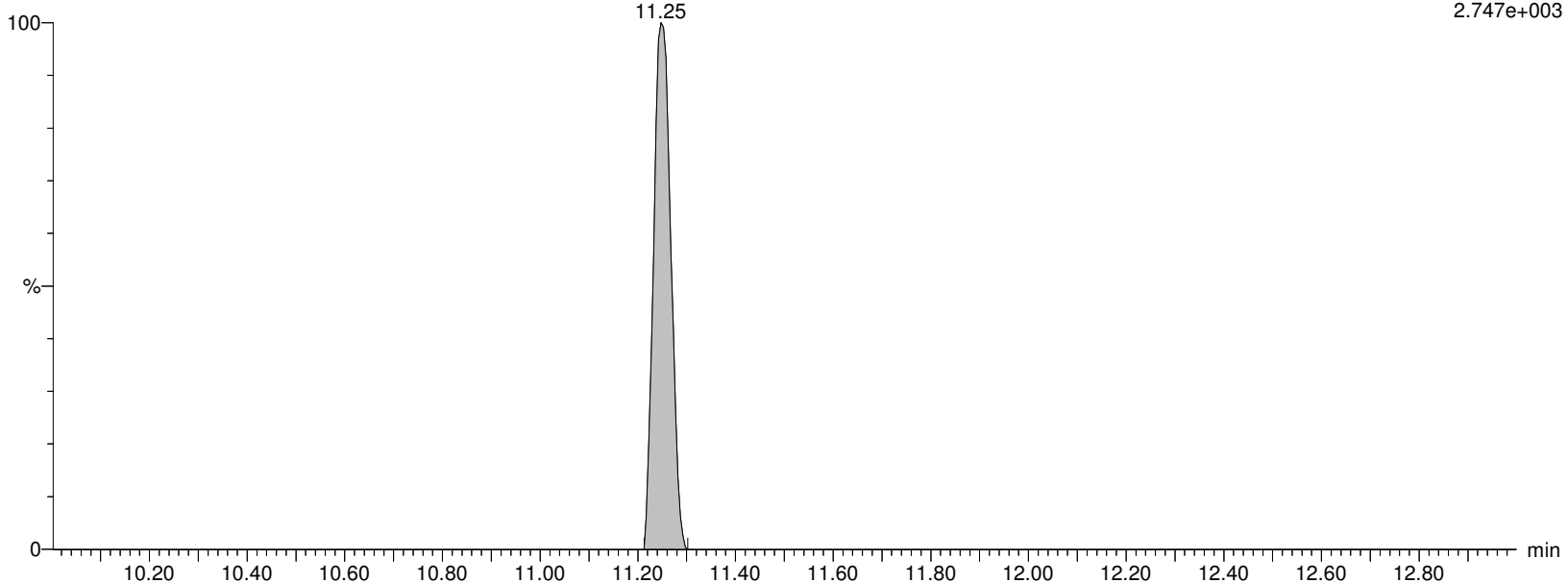
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F48:MRM of 2 channels,ES-

583.989 > 482.88

2.747e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

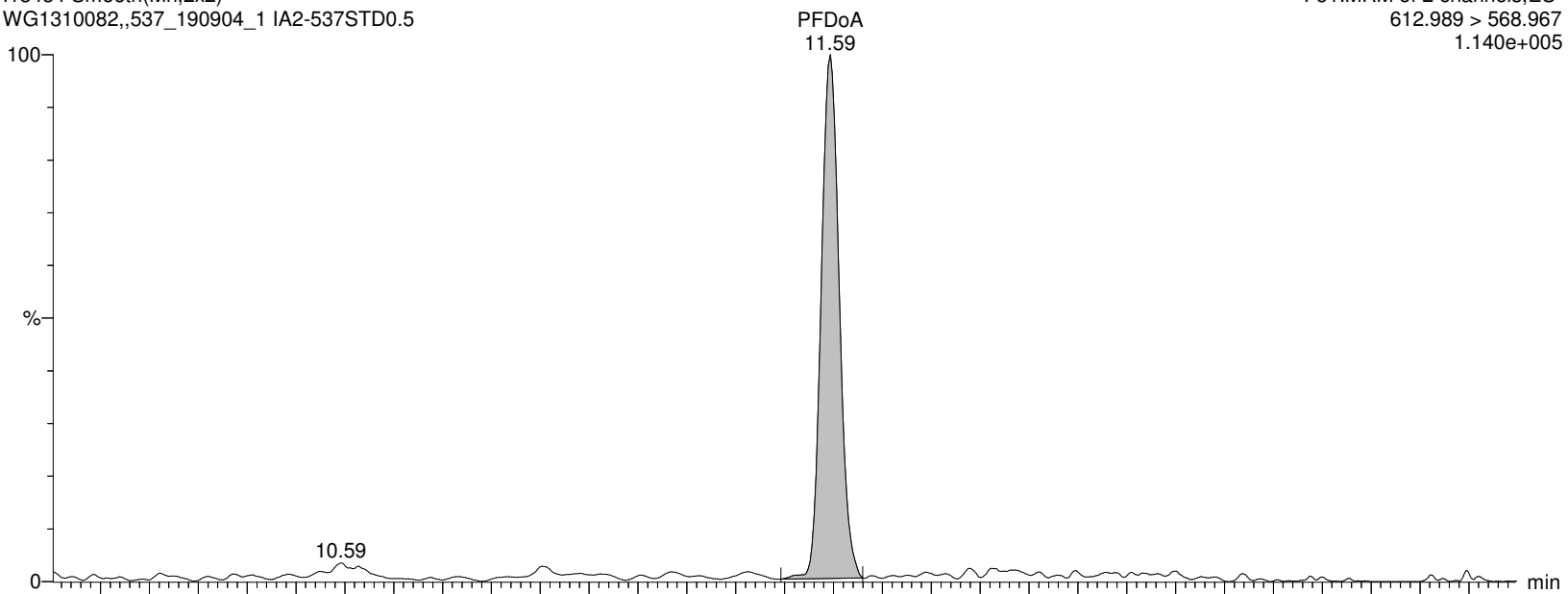
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F51:MRM of 2 channels,ES-

612.989 > 568.967

1.140e+005



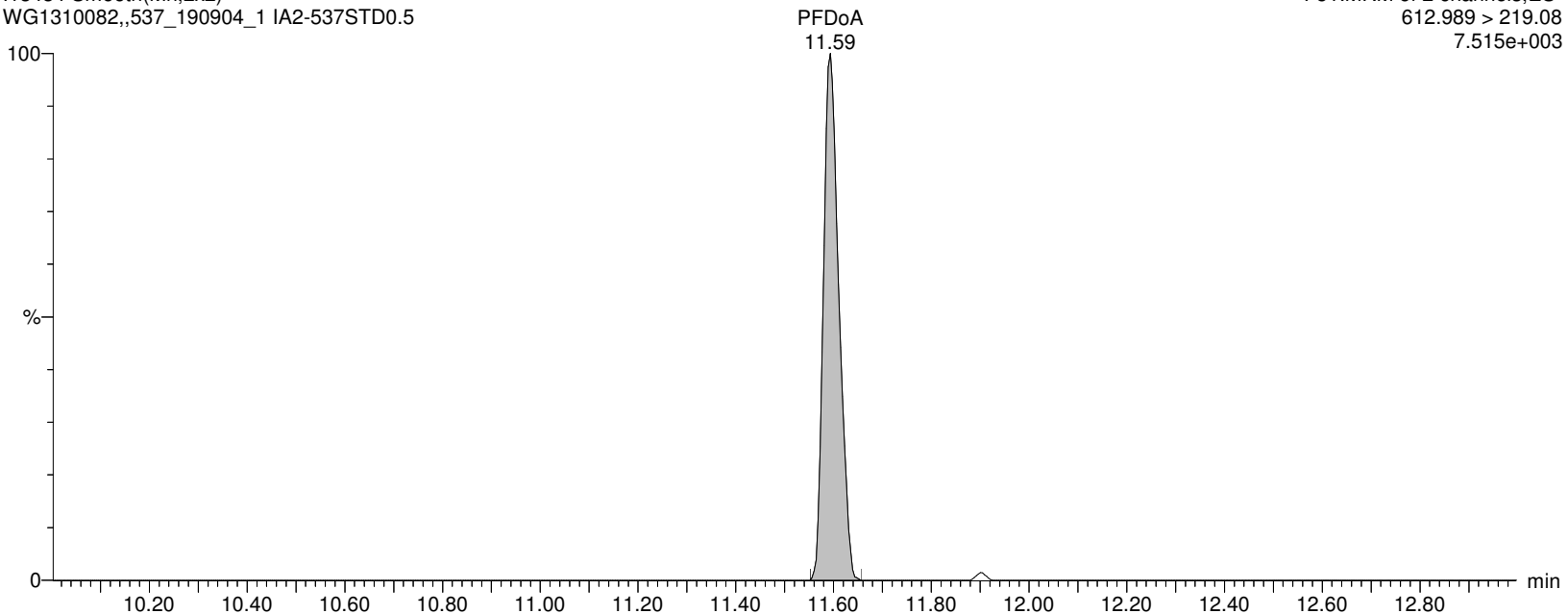
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F51:MRM of 2 channels,ES-

612.989 > 219.08

7.515e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

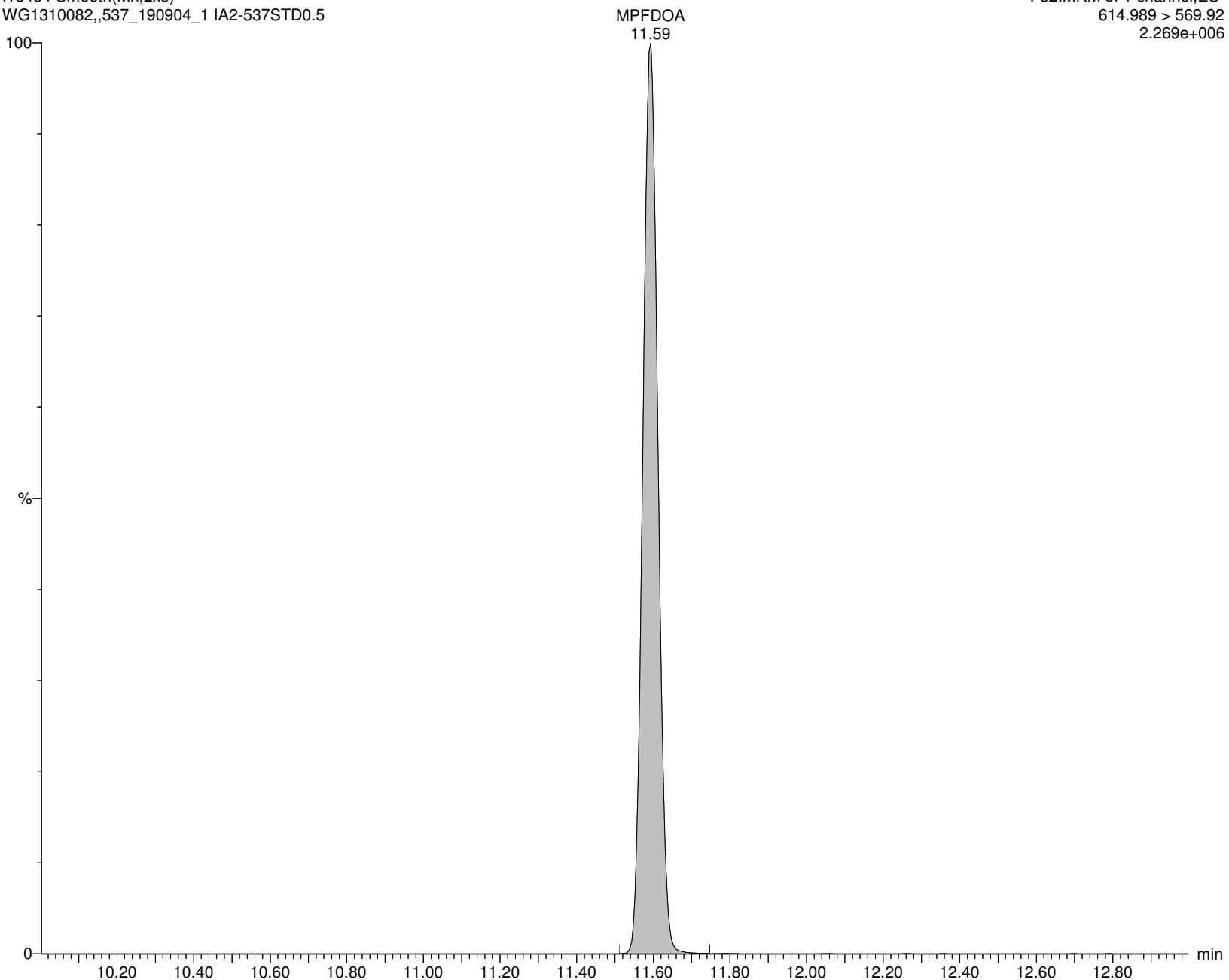
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.269e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

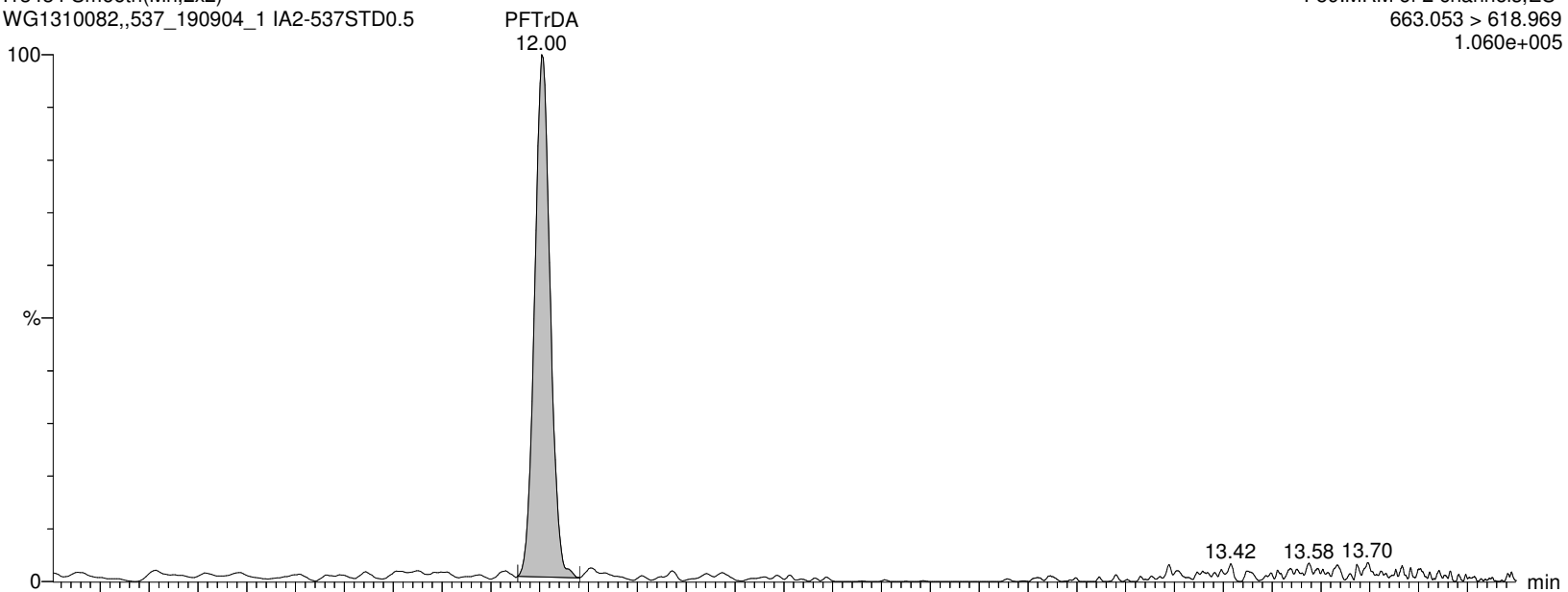
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.060e+005



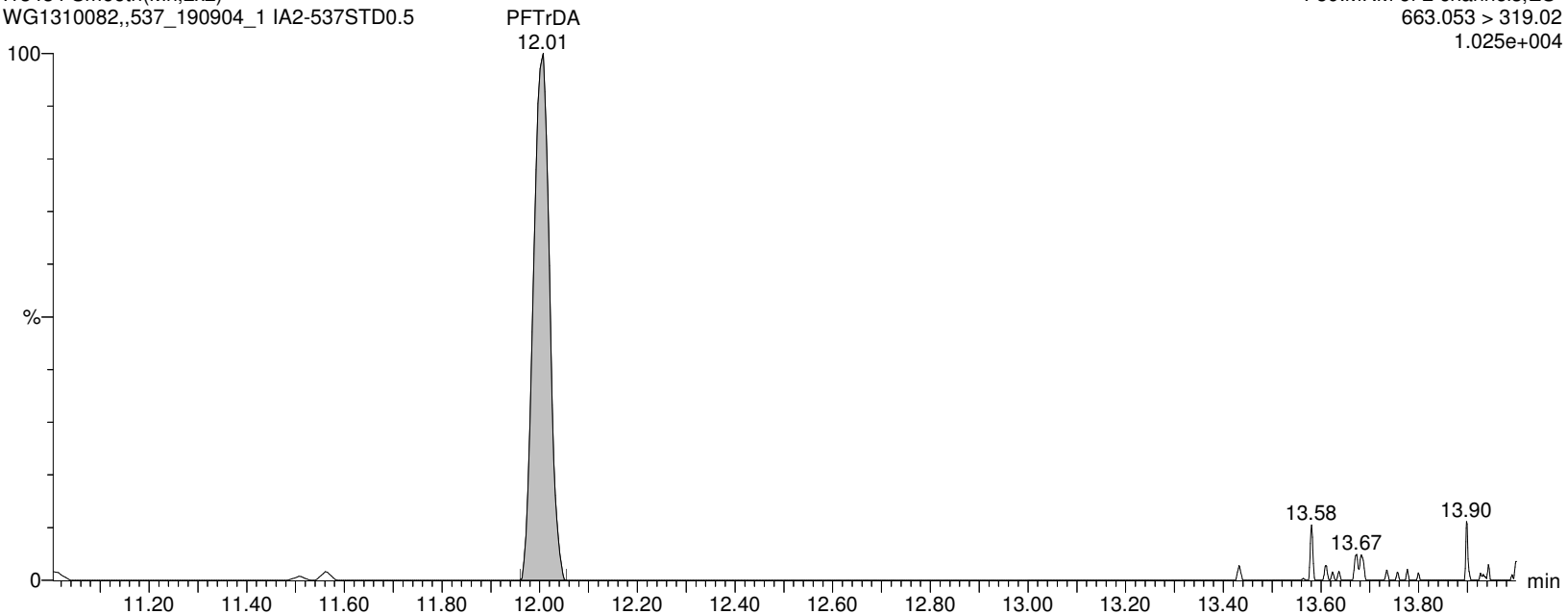
I13434 Smooth(Mn,2x2)

WG1310082,,537_190904_1 IA2-537STD0.5

F59:MRM of 2 channels,ES-

663.053 > 319.02

1.025e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

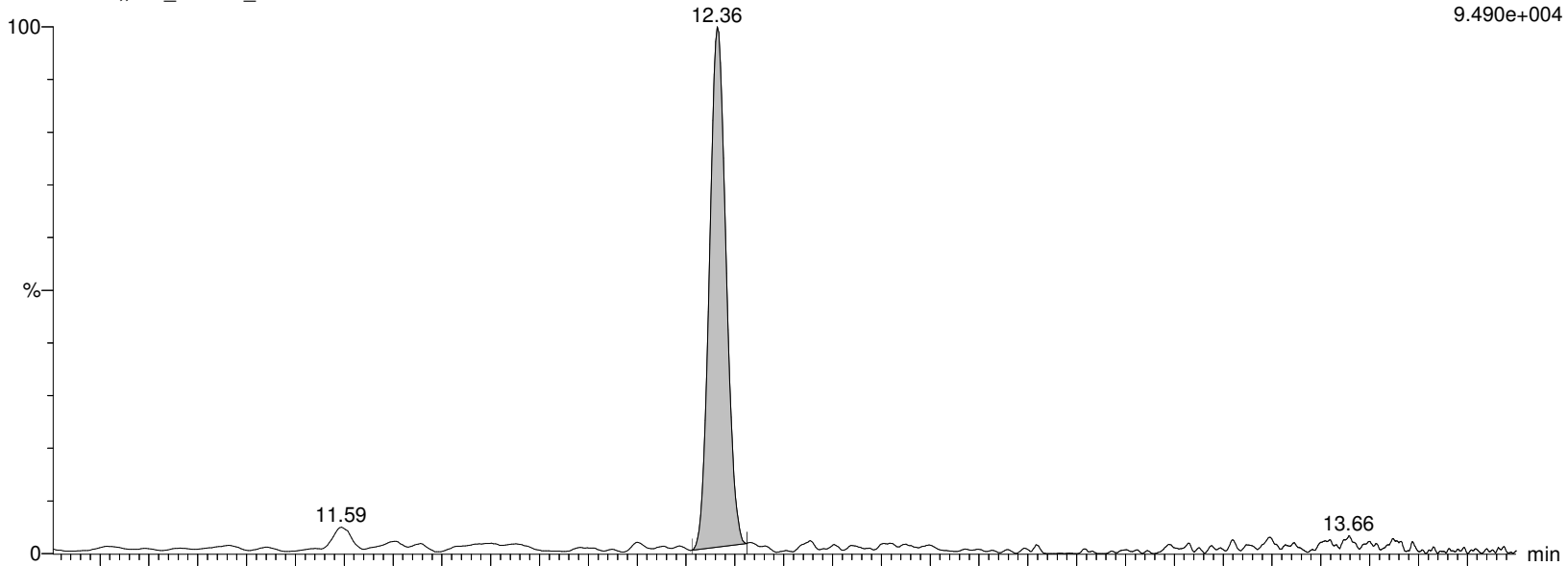
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F61:MRM of 2 channels,ES-

713.053 > 668.976

9.490e+004



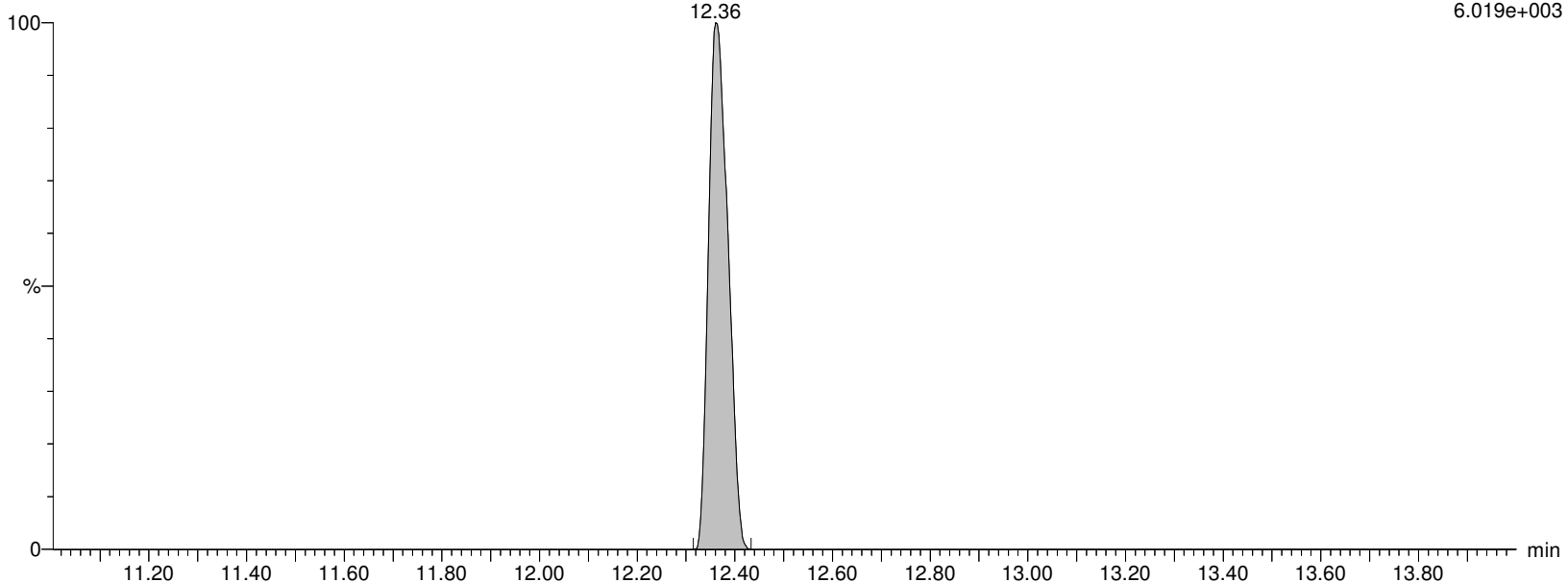
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F61:MRM of 2 channels,ES-

713.053 > 219.09

6.019e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

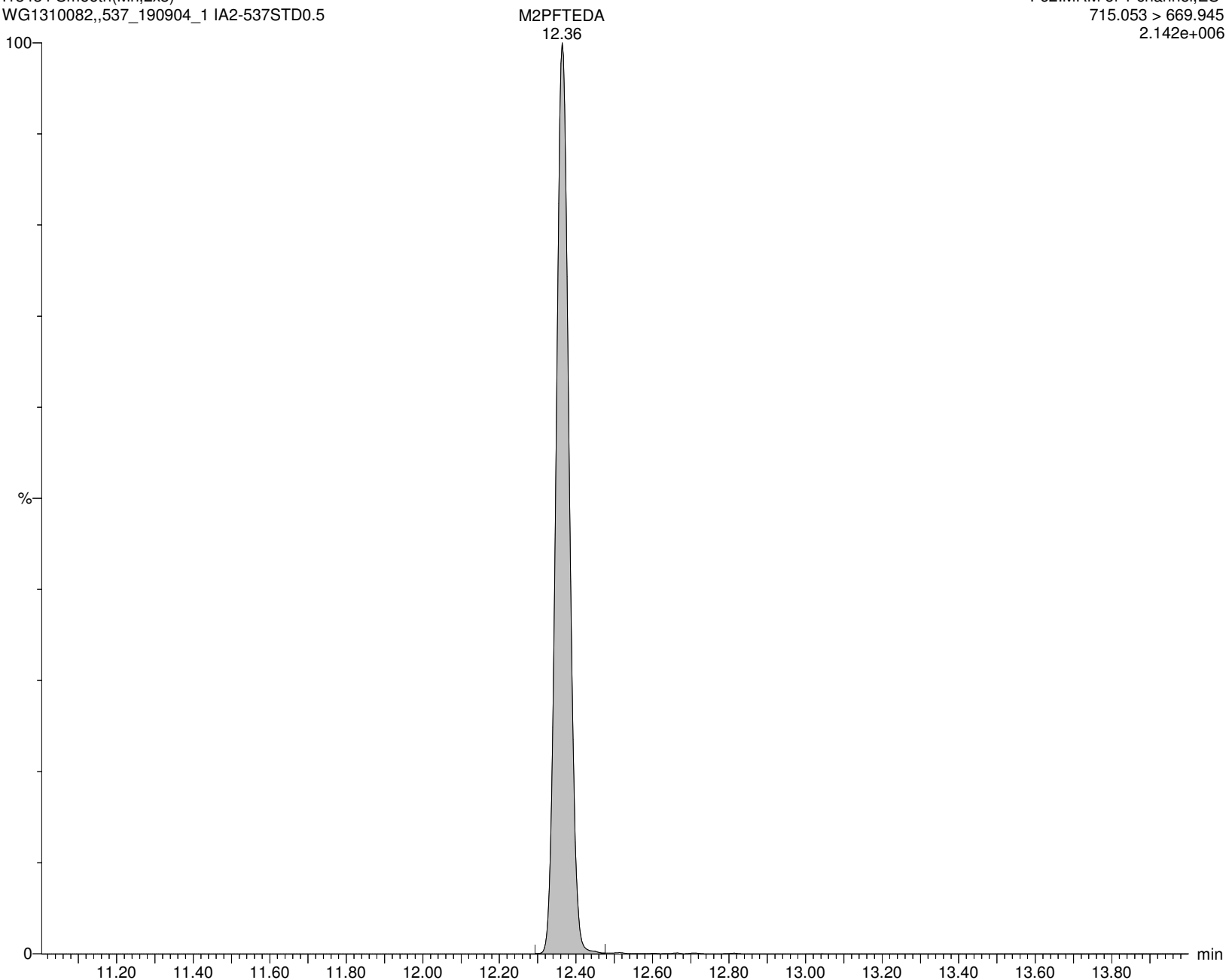
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F62:MRM of 1 channel,ES-

715.053 > 669.945

2.142e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

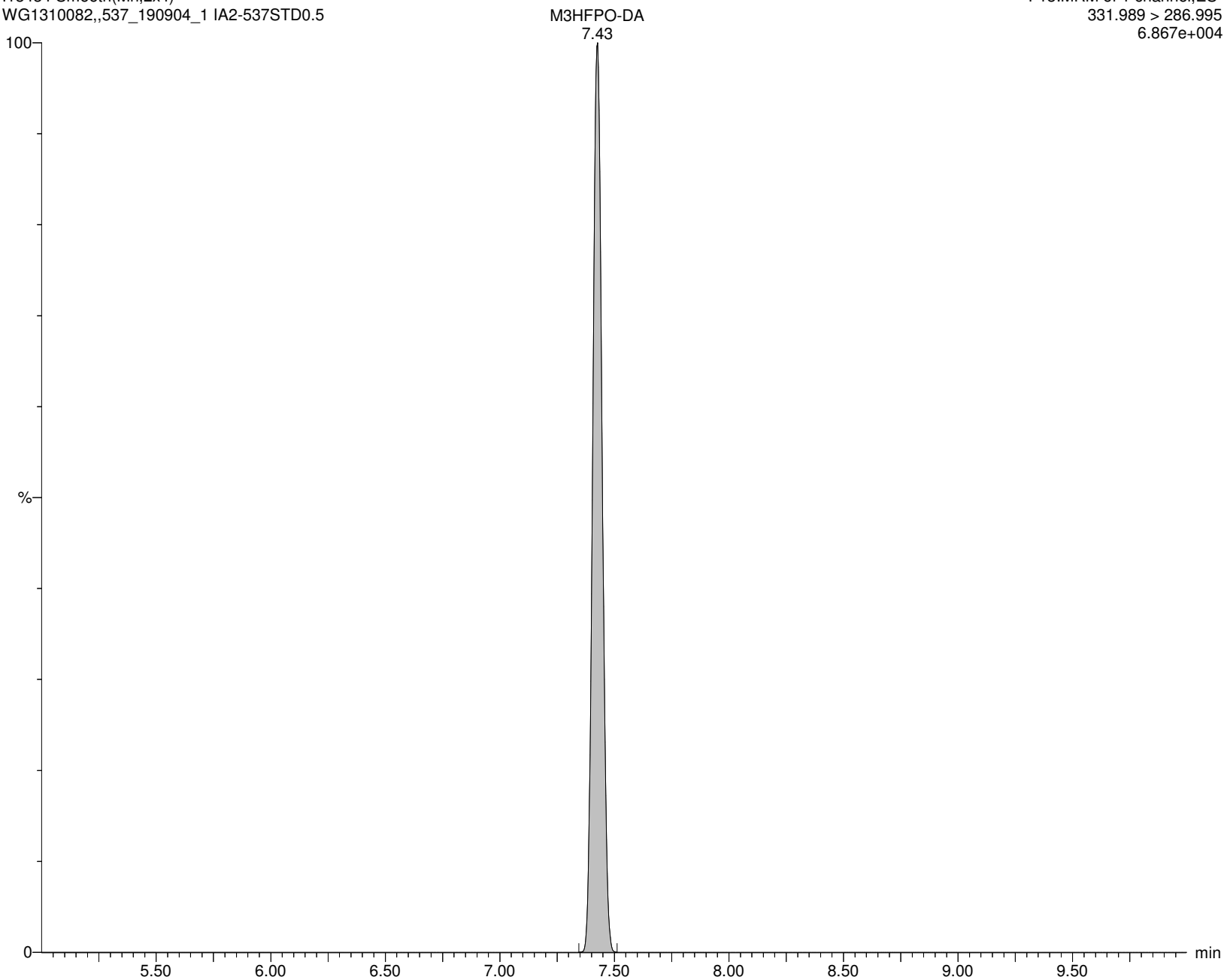
I13434 Smooth(Mn,2x4)

WG1310082,,537_190904_1 IA2-537STD0.5

F13:MRM of 1 channel,ES-

331.989 > 286.995

6.867e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

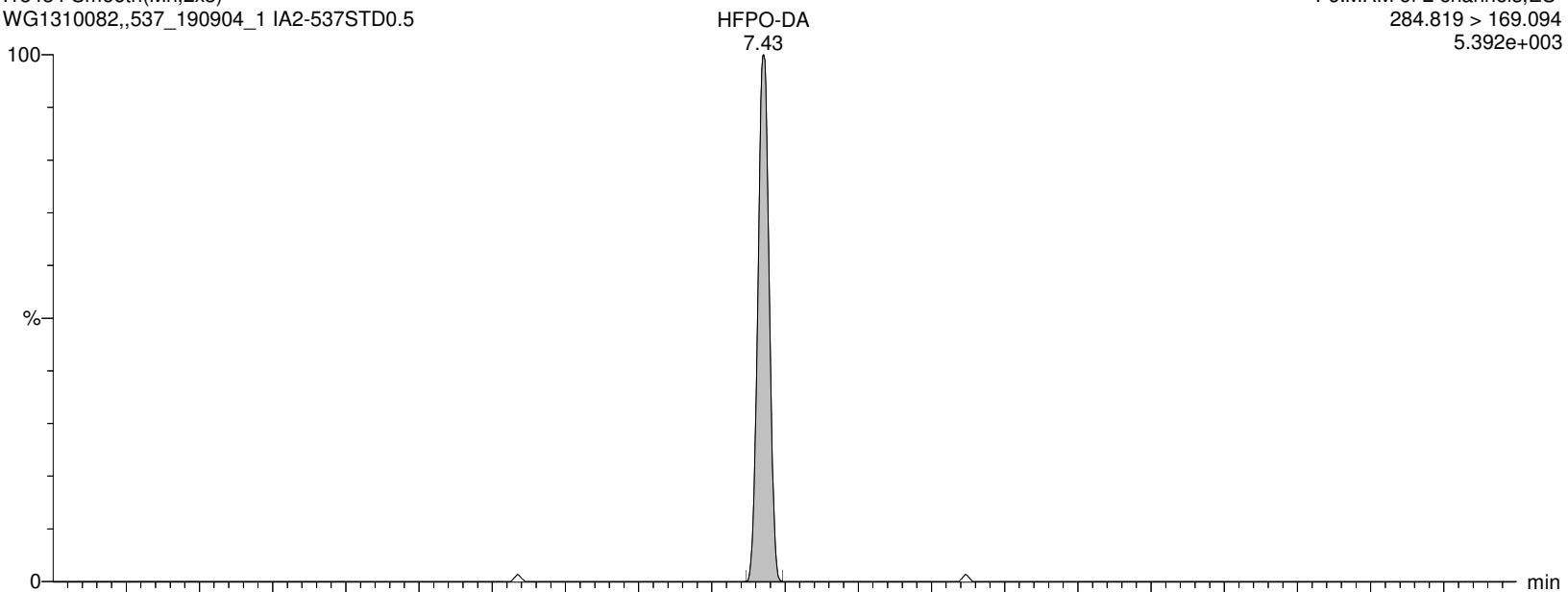
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F6:MRM of 2 channels,ES-

284.819 > 169.094

5.392e+003



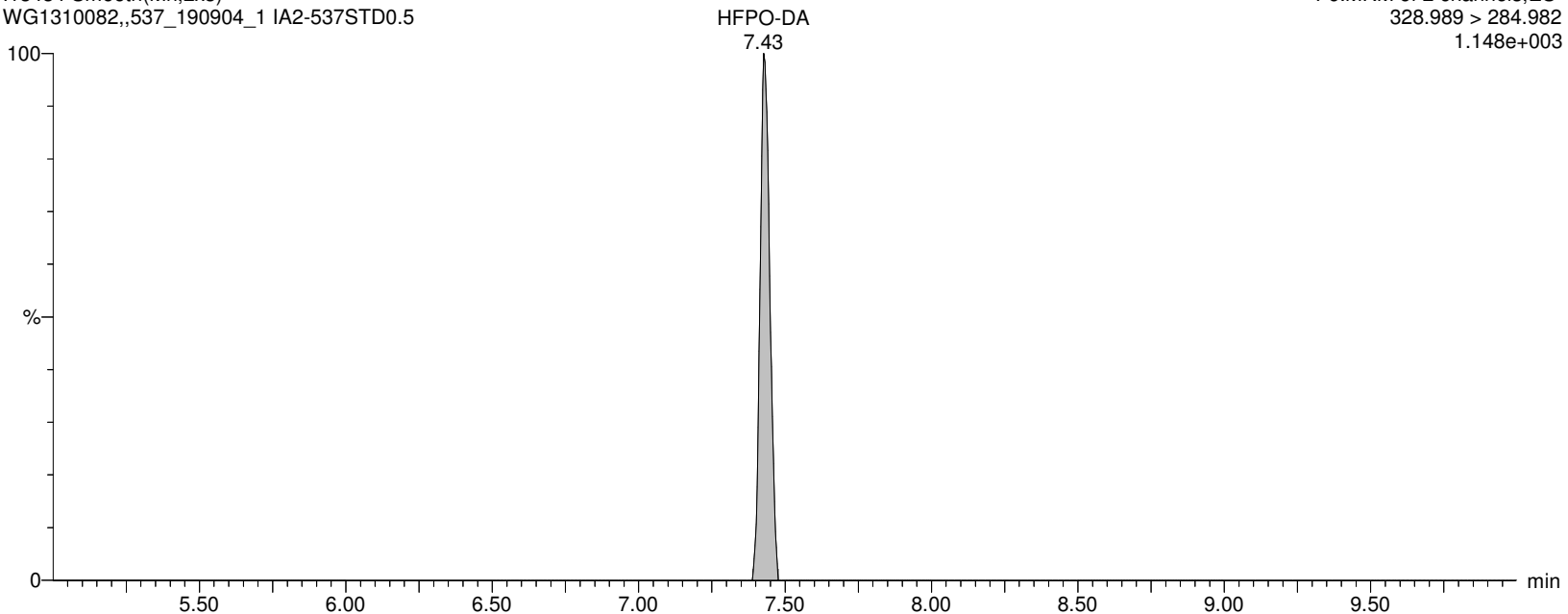
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F6:MRM of 2 channels,ES-

328.989 > 284.982

1.148e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

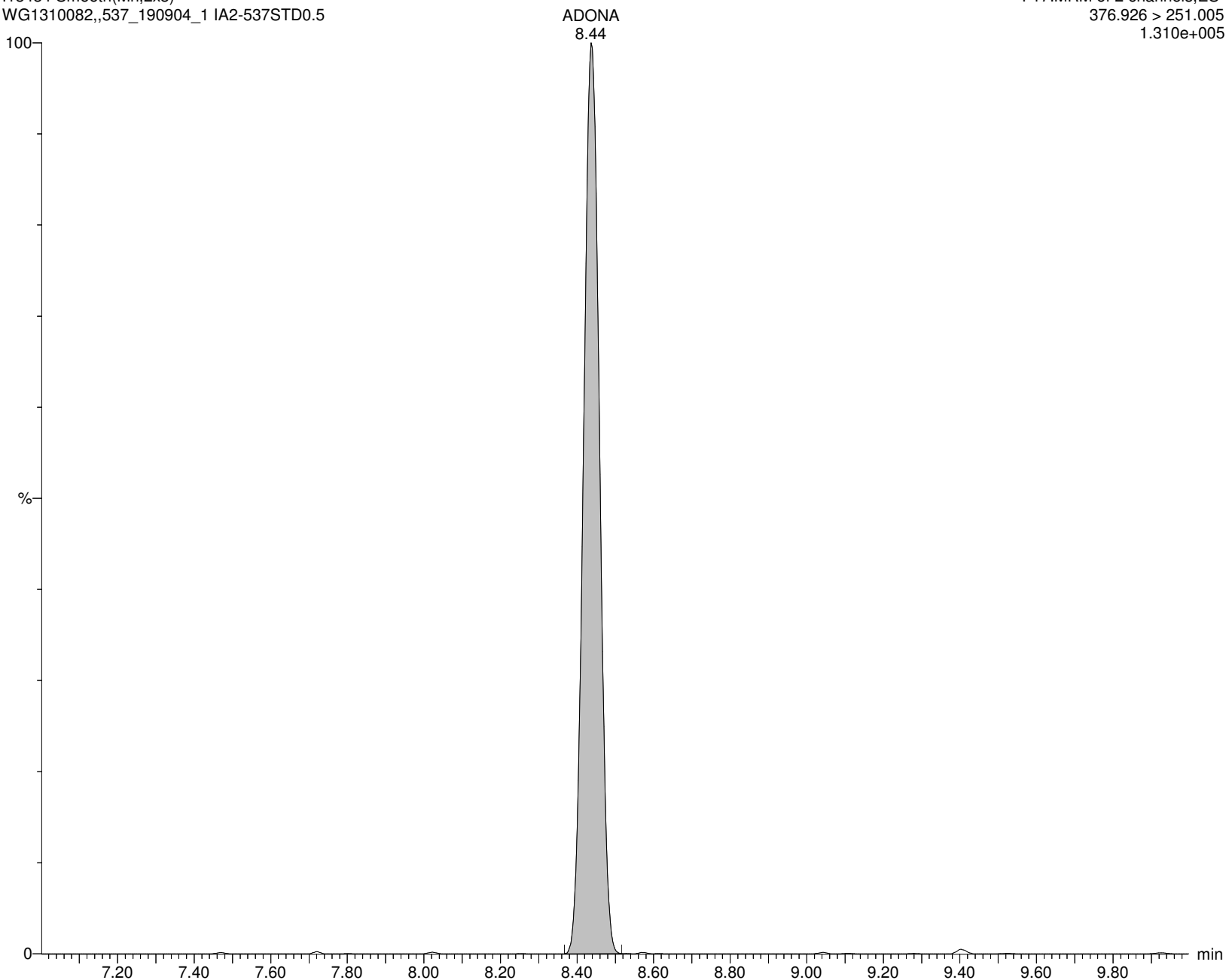
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F17:MRM of 2 channels,ES-

376.926 > 251.005

1.310e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxDA

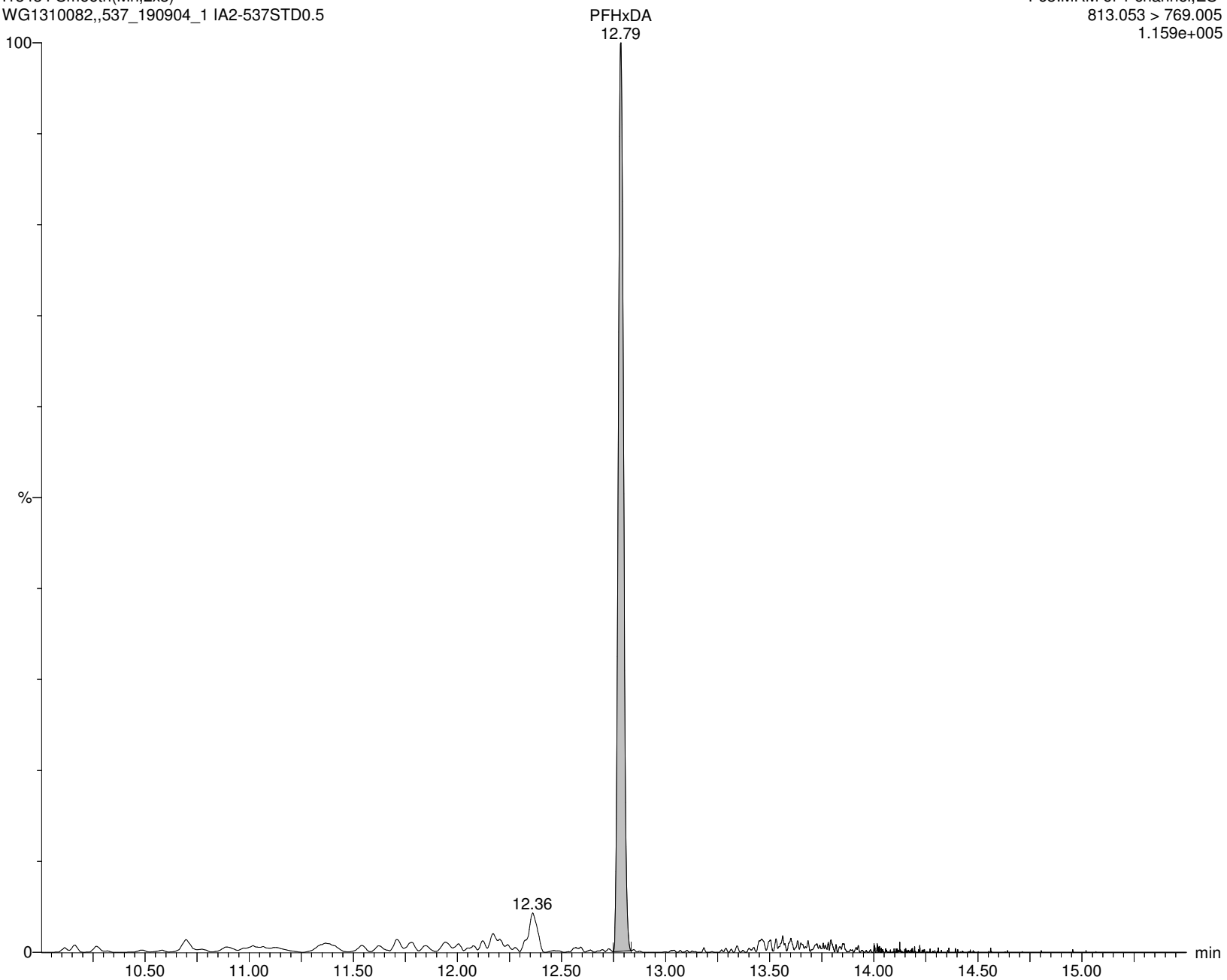
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.159e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

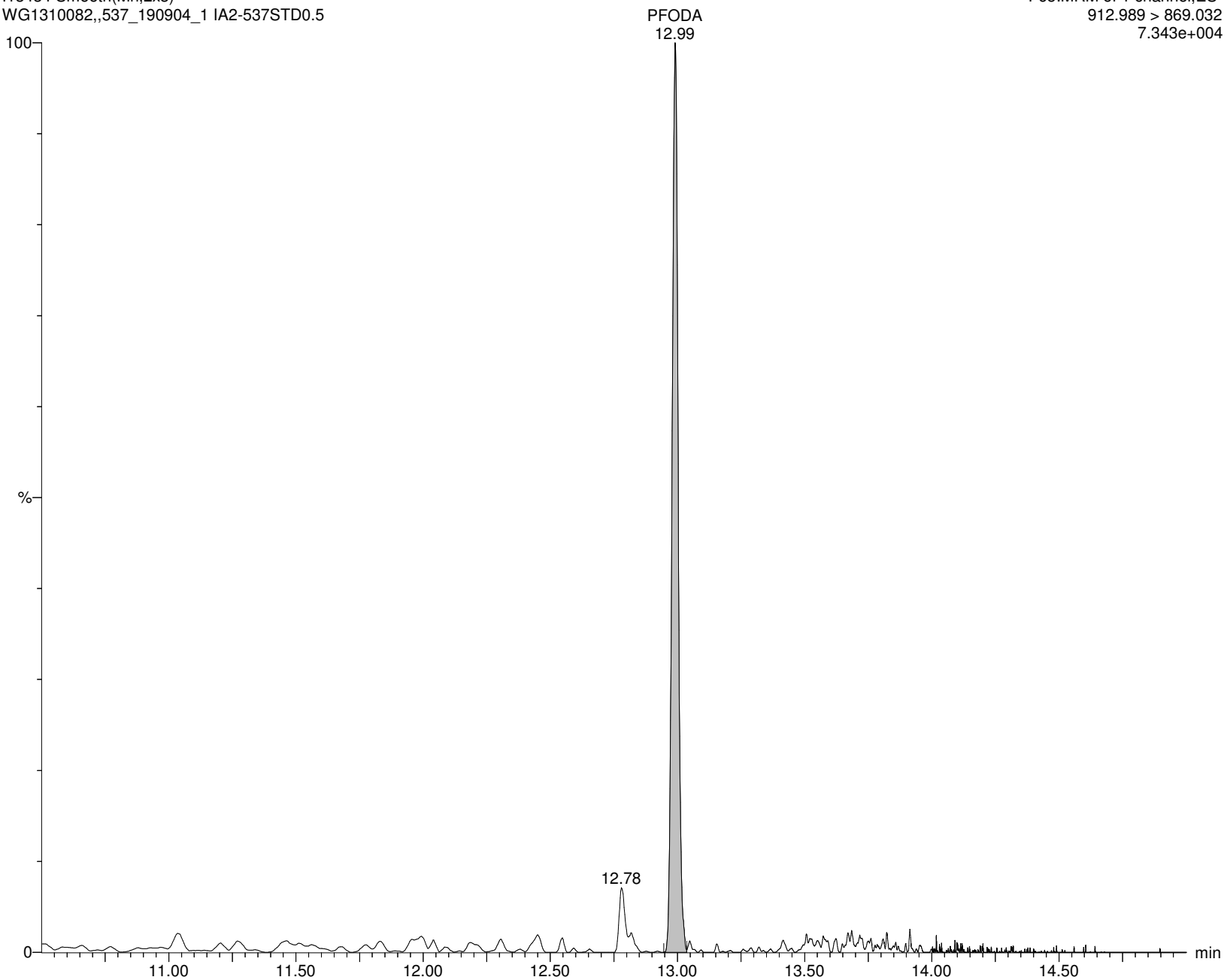
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F65:MRM of 1 channel,ES-

912.989 > 869.032

7.343e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

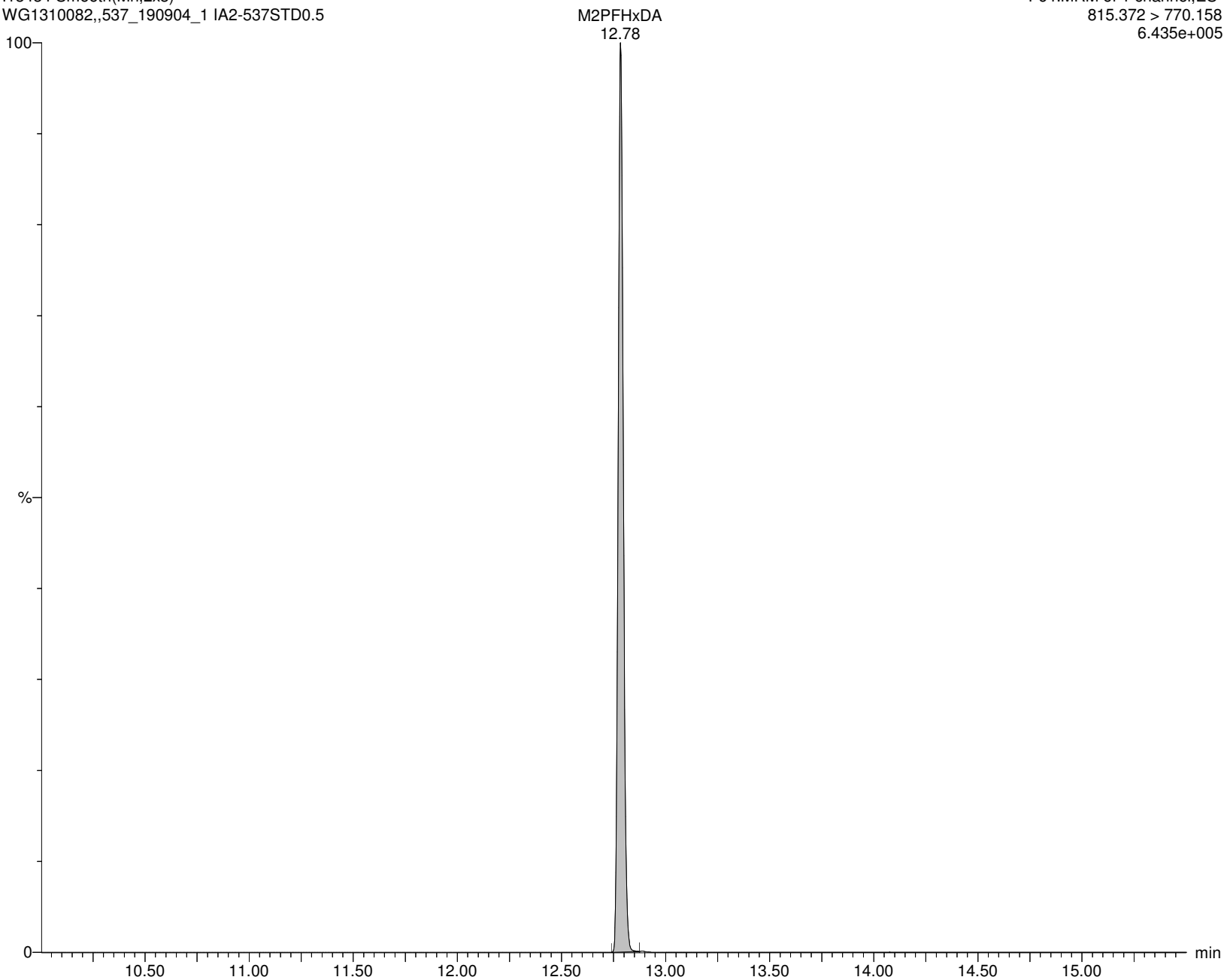
I13434 Smooth(Mn,2x3)

WG1310082,,537_190904_1 IA2-537STD0.5

F64:MRM of 1 channel,ES-

815.372 > 770.158

6.435e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13434 Smooth(Mn,2x5)

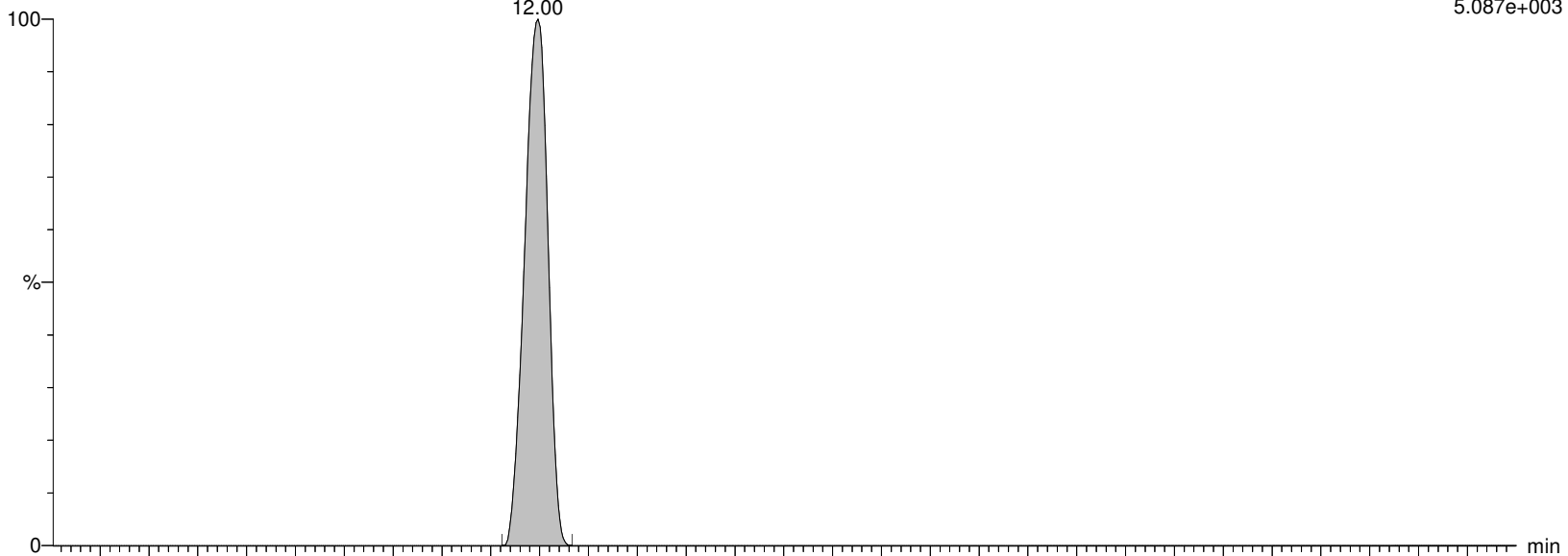
WG1310082,,537_190904_1 IA2-537STD0.5

PFDoS
12.00

F60:MRM of 2 channels,ES-

698.649 > 79.853

5.087e+003



I13434 Smooth(Mn,2x5)

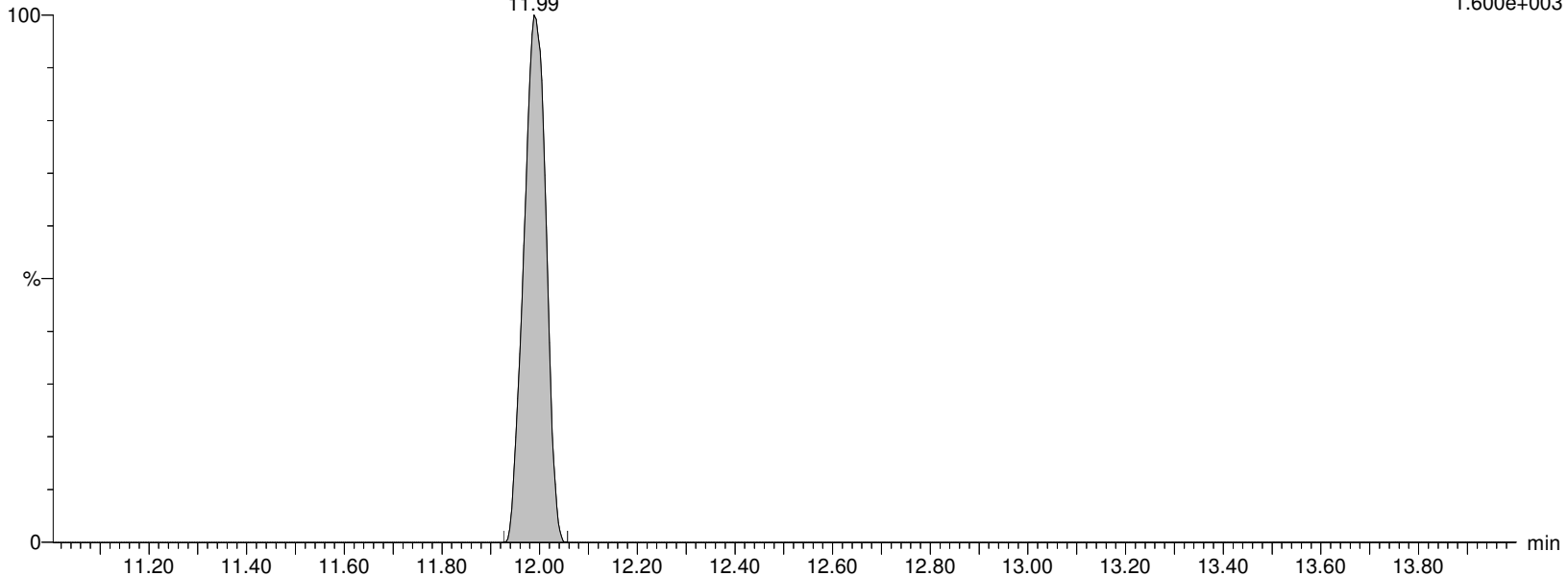
WG1310082,,537_190904_1 IA2-537STD0.5

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

1.600e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

10:2FTS

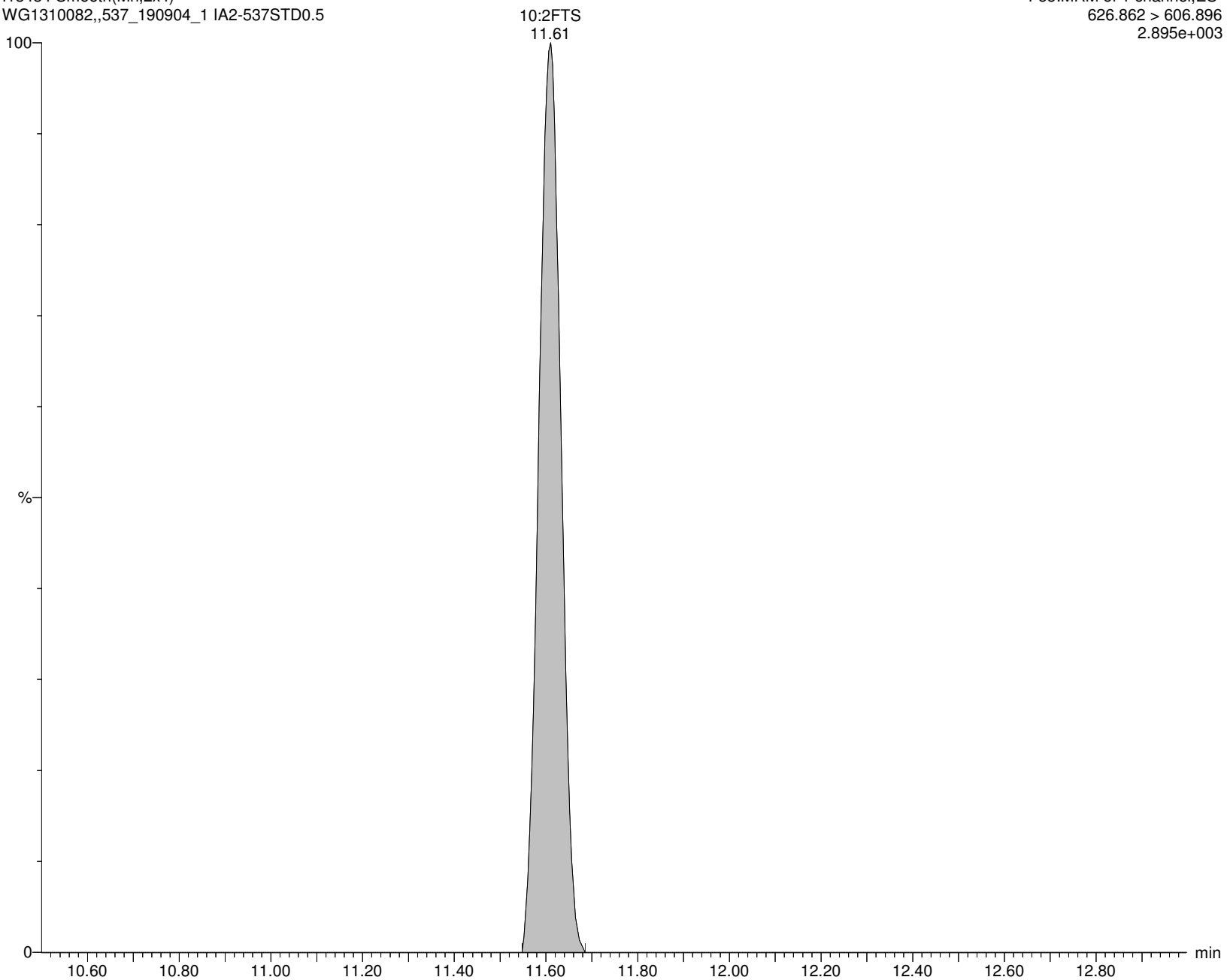
I13434 Smooth(Mn,2x4)

WG1310082,,537_190904_1 IA2-537STD0.5

F55:MRM of 1 channel,ES-

626.862 > 606.896

2.895e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

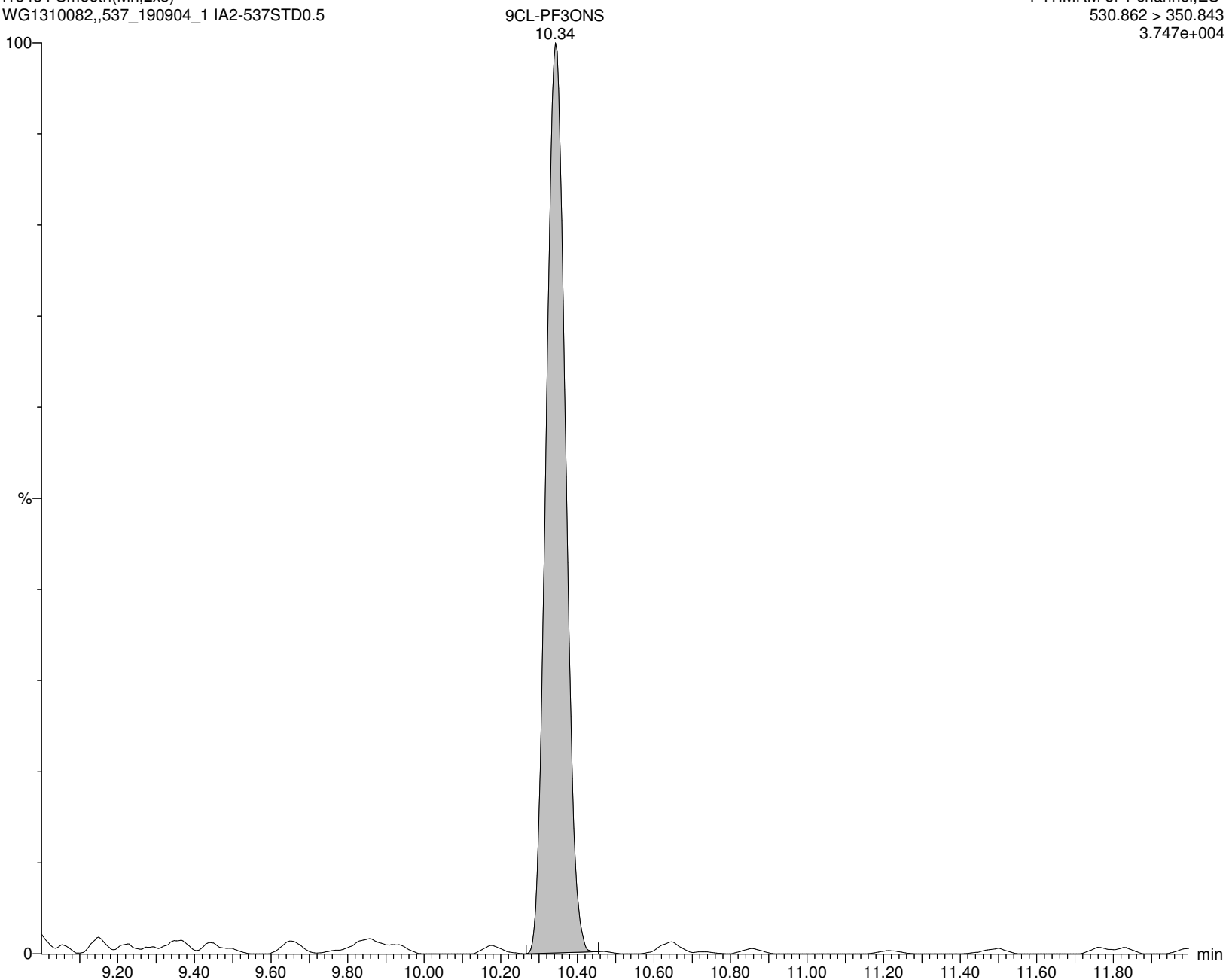
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F41:MRM of 1 channel,ES-

530.862 > 350.843

3.747e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

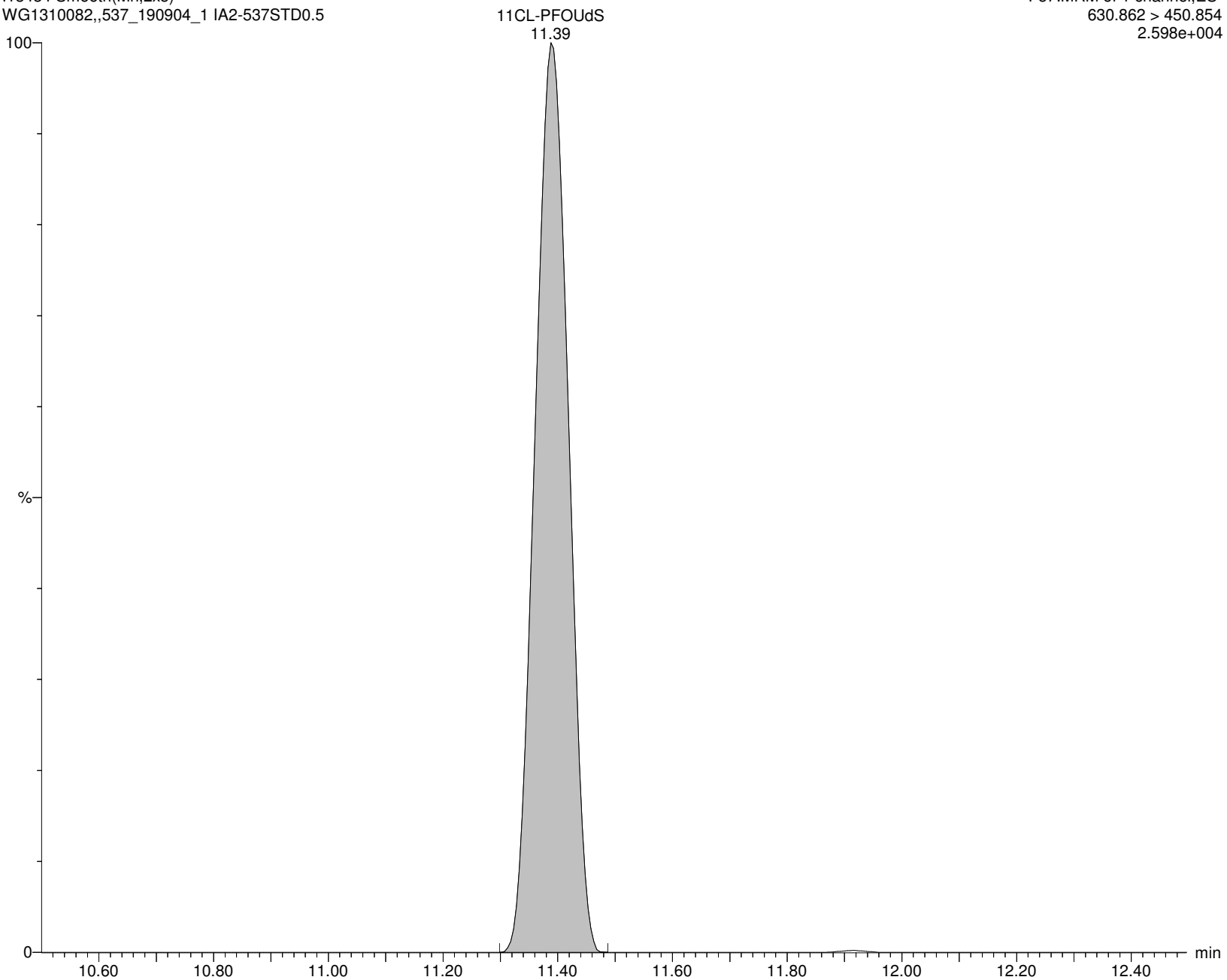
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F57:MRM of 1 channel,ES-

630.862 > 450.854

2.598e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

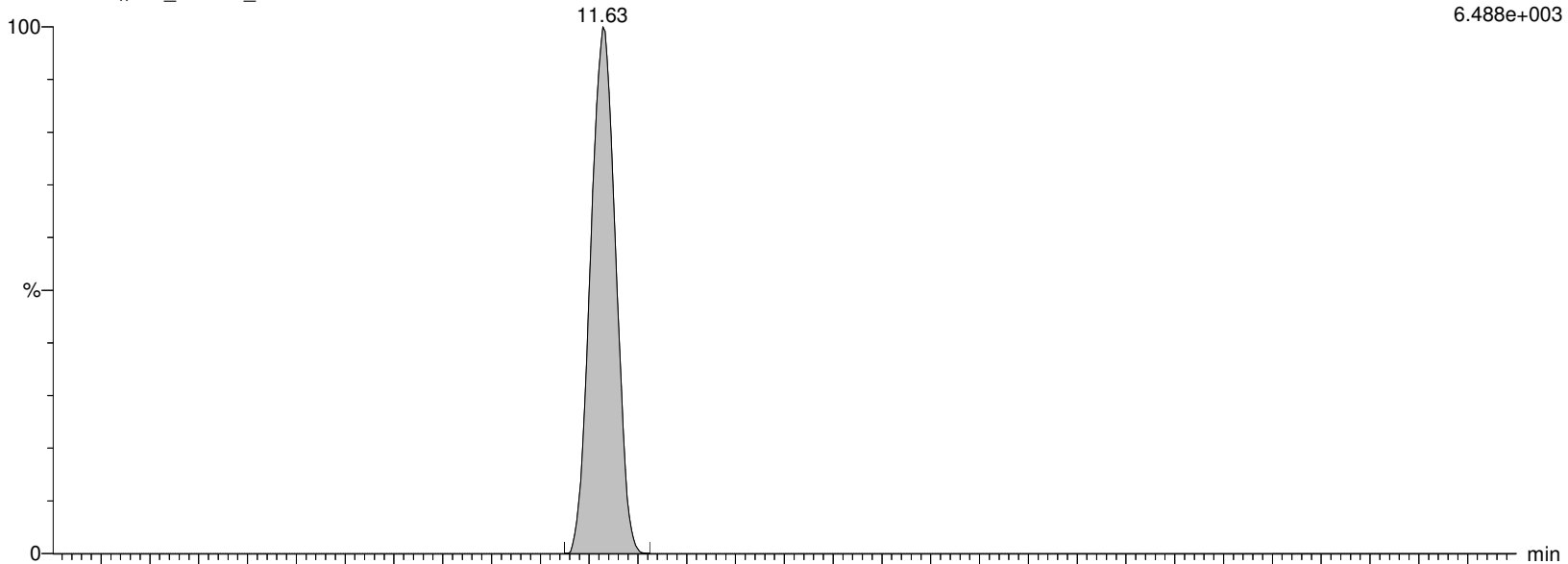
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F33:MRM of 2 channels,ES-

511.804 > 168.906

6.488e+003



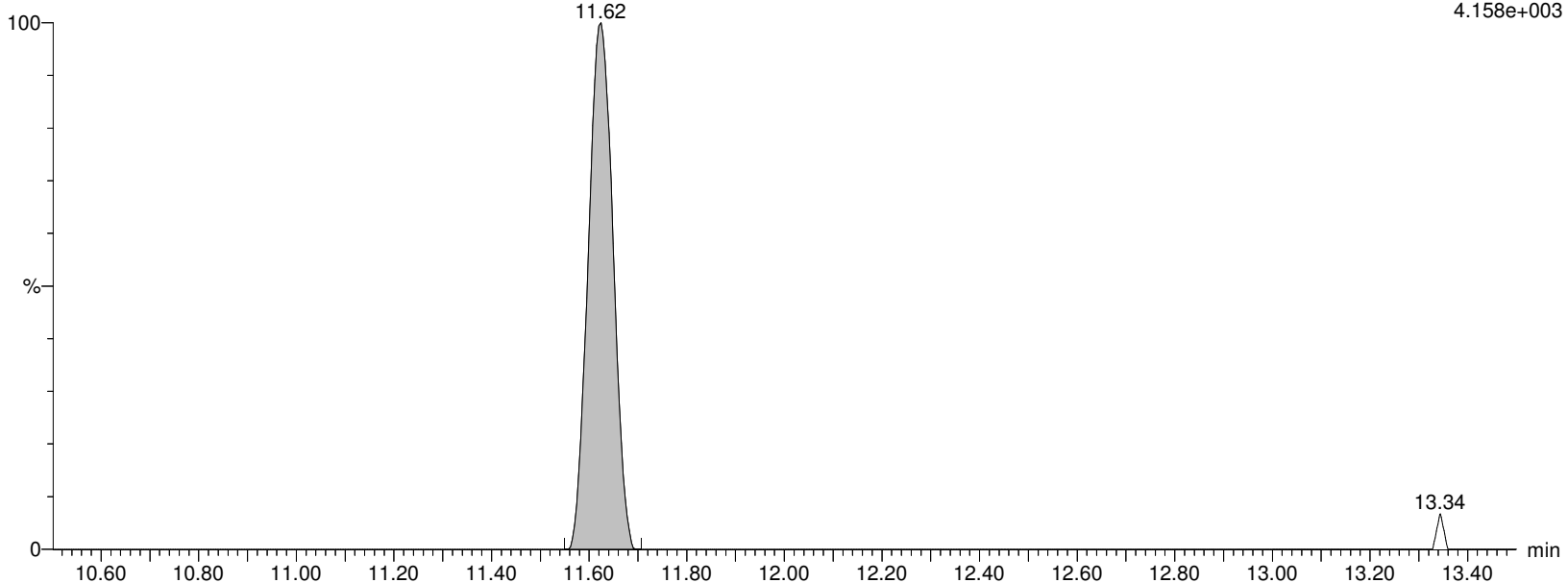
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F33:MRM of 2 channels,ES-

511.804 > 218.918

4.158e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

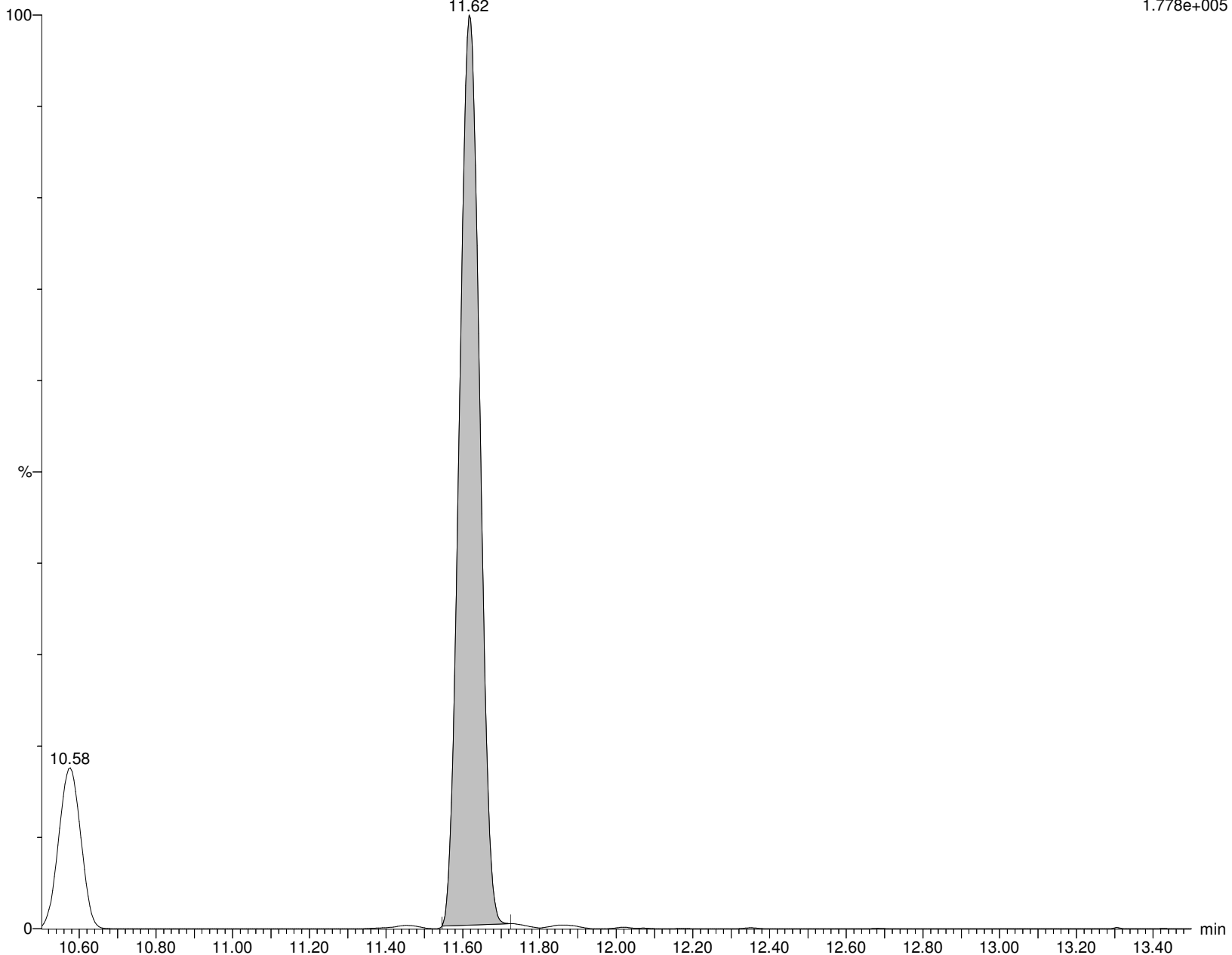
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.778e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

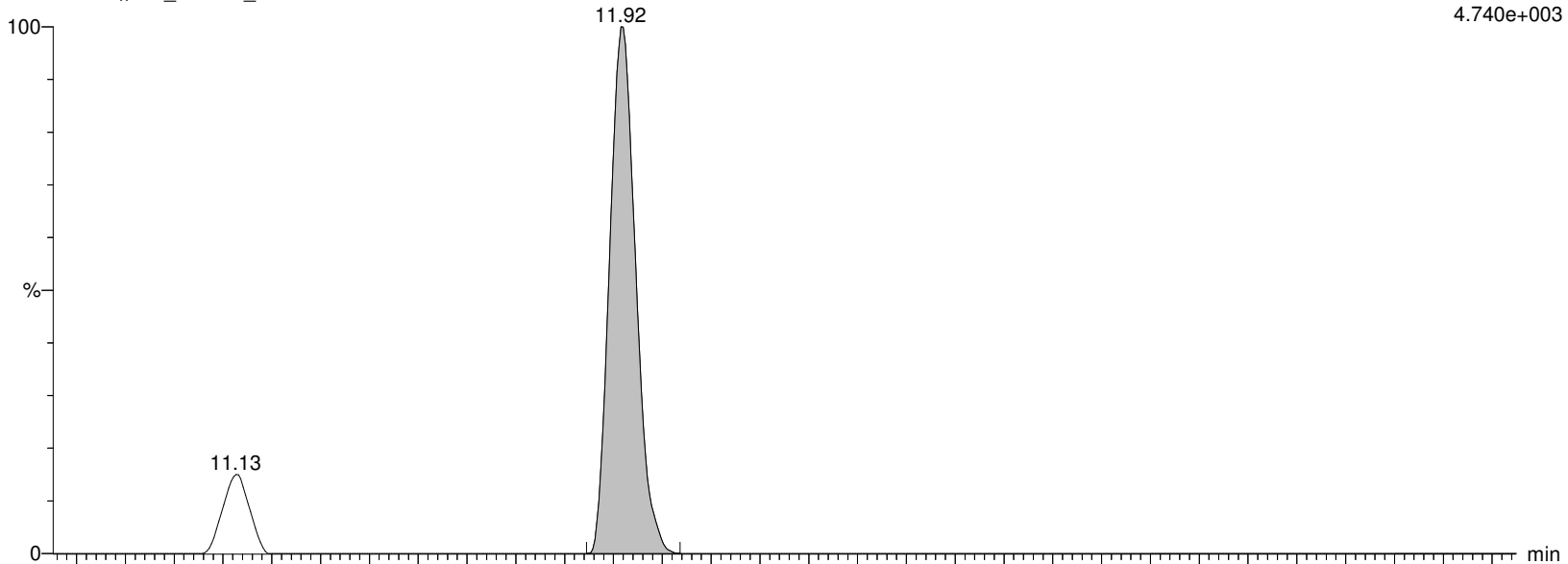
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F38:MRM of 2 channels,ES-

525.84 > 168.92

4.740e+003



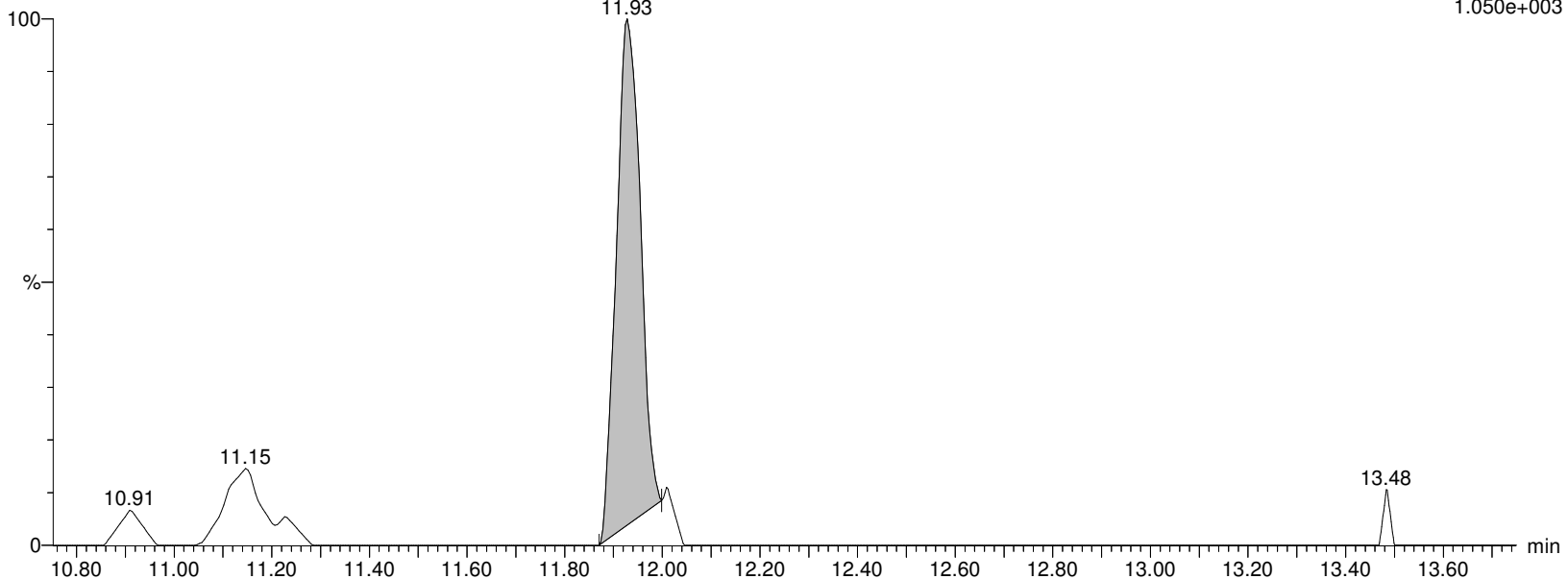
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F38:MRM of 2 channels,ES-

525.84 > 118.893

1.050e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434**ID: IA2-537STD0.5****Date: 18-Nov-2019****Time: 10:24:43****Description: WG1310082,,537_190904_1****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

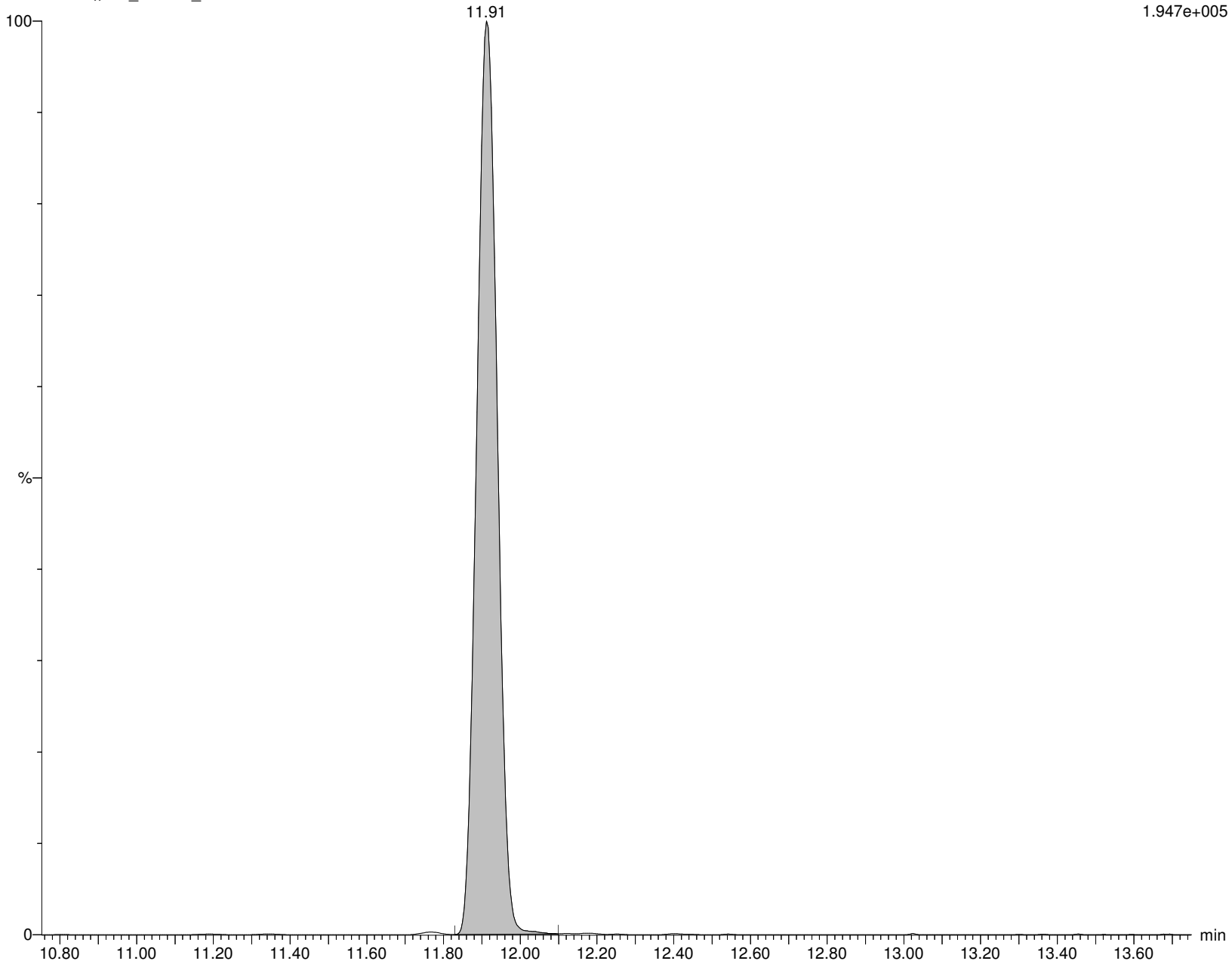
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.947e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

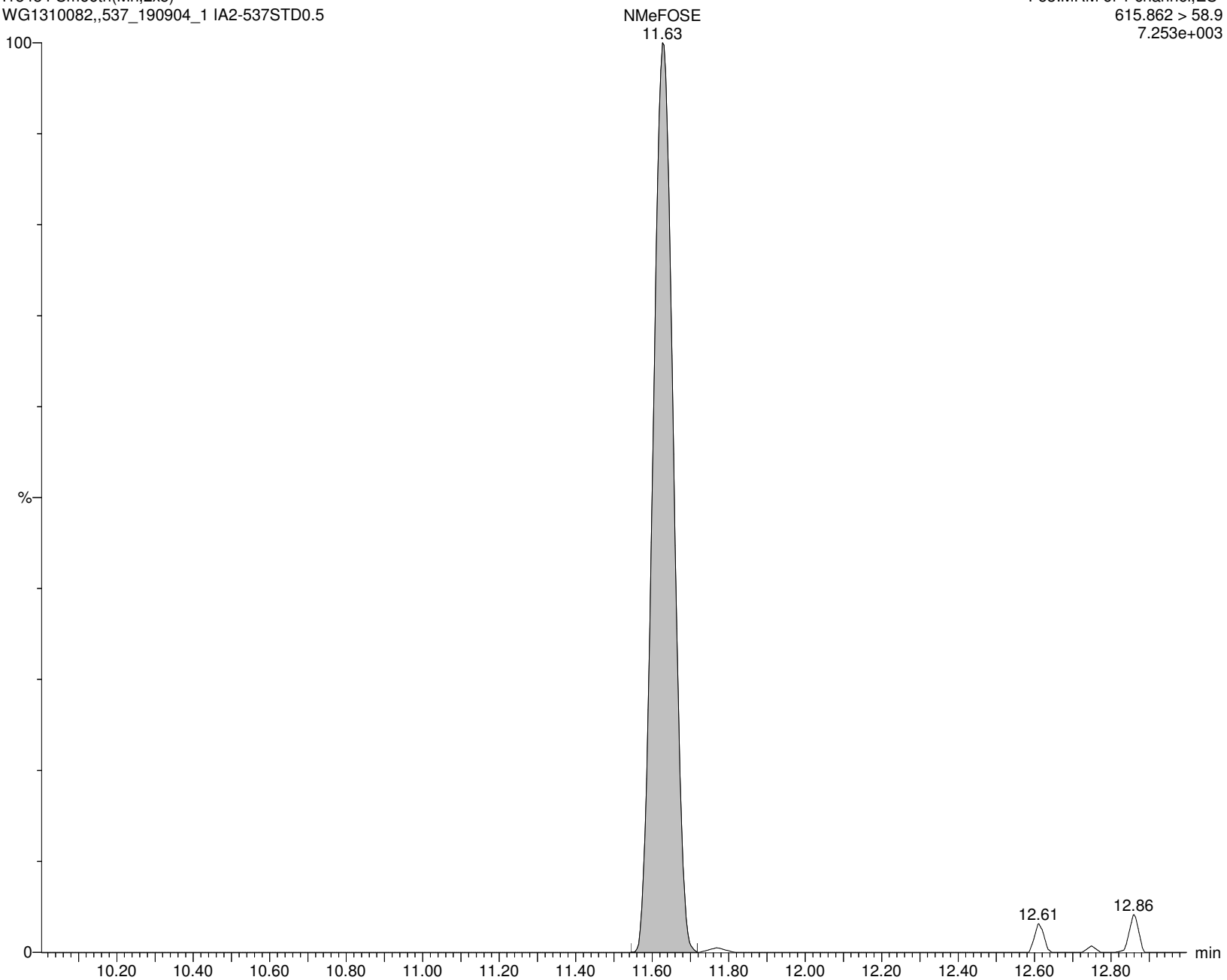
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F53:MRM of 1 channel,ES-

615.862 > 58.9

7.253e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

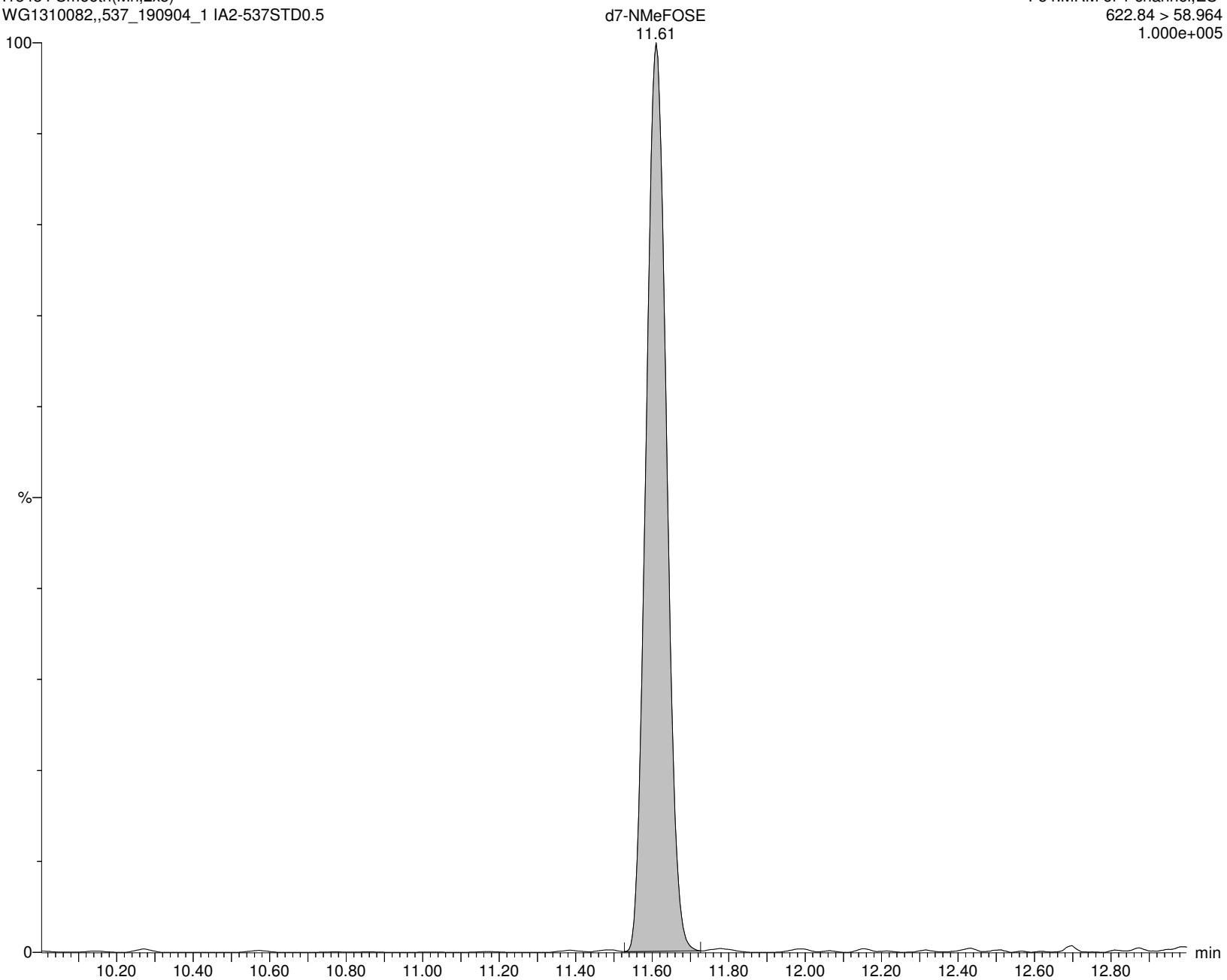
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F54:MRM of 1 channel,ES-

622.84 > 58.964

1.000e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSE

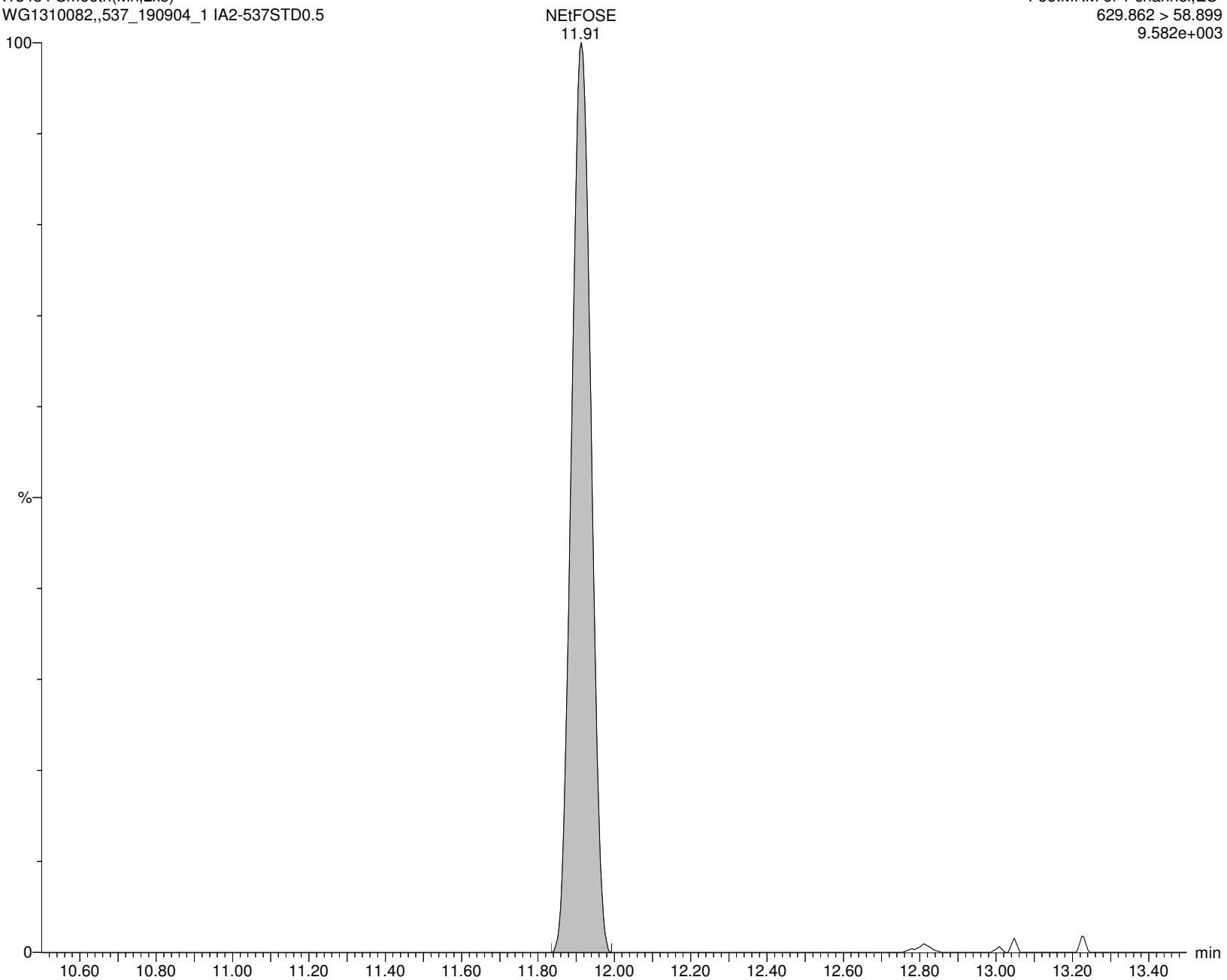
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F56:MRM of 1 channel,ES-

629.862 > 58.899

9.582e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:48 Eastern Standard Time

Name: I13434

ID: IA2-537STD0.5

Date: 18-Nov-2019

Time: 10:24:43

Description: WG1310082,,537_190904_1

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

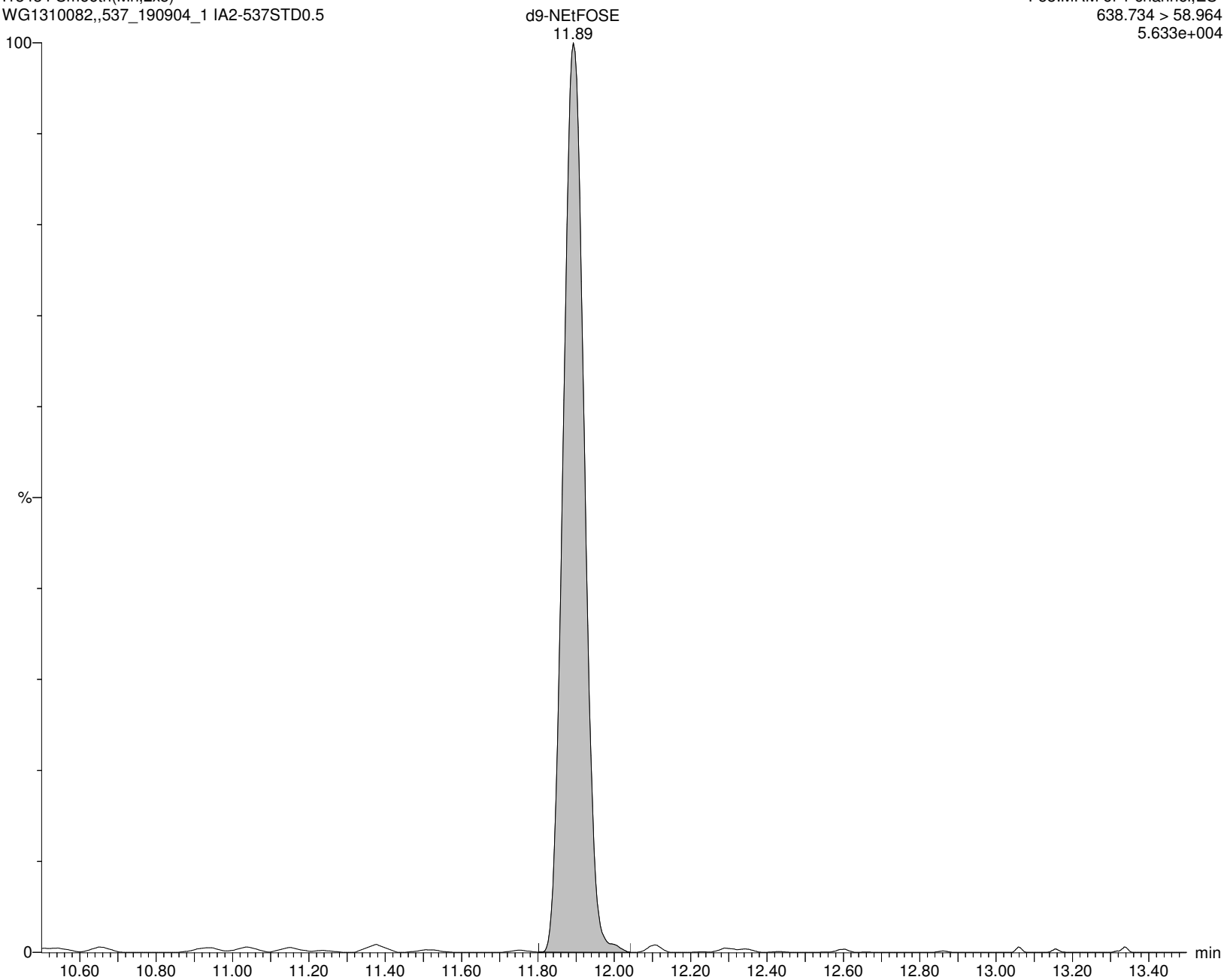
I13434 Smooth(Mn,2x5)

WG1310082,,537_190904_1 IA2-537STD0.5

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.633e+004



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld
Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time
Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34
Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD1.0
Name: I13435
Date: 18-Nov-2019
Time: 10:53:49
Description: WG1310082,,537_190904_2
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.24	212.926 > 169.111	4649		1.065		na	106.5
2	M3PFBA	INT STD	2.23	215.926 > 172.122	47673		10.289		na	102.9
3	MPFBA	INT STD	2.23	216.926 > 172.137	52305		10.082		na	100.8
4	PFPeA	2706-90-3	5.14	262.926 > 219.002	7746		1.038		na	103.8
5	M5PFPEA	INT STD	5.13	267.989 > 223.081	77264		10.500		na	105.0
6	PFBS	375-73-5	5.78	298.926 > 79.923	1392		0.891	1.86	NO	100.7
7	M3PFBS	INT STD	5.77	301.989 > 80.254	10630		9.740		na	97.4
8	4:2FTS	757124-72-4	6.93	326.926 > 306.957	638		1.011	2.14	NO	108.2
9	M2-4:2FTS	INT STD	6.93	329.117 > 309.079	5701		8.046		na	80.5
10	PFHxA	307-24-4	7.01	312.989 > 269.028	9449		1.153	17.48	NO	115.3
11	M5PFHxA	INT STD	7.01	317.989 > 273.045	89049		10.133		na	101.3
12	PFPeS	2706-91-4	7.32	348.926 > 80.251	947		0.844	1.62	NO	89.8
13	PFHpA	375-85-9	8.27	362.926 > 319.014	11592		1.056	5.86	NO	105.6
14	M4PFHpA	INT STD	8.27	366.926 > 321.979	121641		10.391		na	103.9
15	br-PFHxS	355-46-4	8.14	398.926 > 80.295	72	M5	0.091	3.61	NO	53.5
16	L-PFHxS	355-46-4	8.42	398.926 > 80.295	471		0.560	0.93	NO	75.7
17	PFHxS	355-46-4		398.926 > 80.295	543		0.651		na	
18	M3PFHxS	INT STD	8.42	401.926 > 80.317	6709		10.650		na	106.5
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.20	412.989 > 368.9	11900		1.118	11.89	NO	111.8
21	PFOA	335-67-1		412.989 > 368.9	11900		1.118		na	
22	M8PFOA	INT STD	9.20	420.989 > 375.979	115929		10.320		na	103.2
23	M2PFOA	INT STD	9.20	415.032 > 369.968	114802		10.860		na	108.6
24	6:2FTS	27619-97-2	9.16	426.989 > 406.921	472		1.007		YES	106.0
25	M2-6:2FTS	INT STD	9.16	428.989 > 408.917	5794		8.366		na	83.7
26	PFHpS	375-92-8	9.29	448.926 > 80.257	622		1.132	1.10	YES	119.2
27	PFNA	375-95-1	9.95	462.989 > 418.931	10940		1.179	4.61	NO	117.9
28	M9PFNA	INT STD	9.95	472.053 > 426.947	113247		10.246		na	102.5
29	br-PFOS	1763-23-1	9.81	498.989 > 80.294	144	M5	0.133	2.49	NO	66.3
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	646		0.790	1.26	NO	108.2
31	PFOS	1763-23-1		498.989 > 80.294	790		0.922		na	
32	M4PFOS	INT STD	10.00	503.032 > 80.306	7797		11.164		na	111.6
33	M8PFOS	INT STD	10.00	507.053 > 80.294	8338		10.421		na	104.2
34	PFDA	335-76-2	10.58	513.053 > 468.906	9945		1.054	5.95	NO	105.4
35	M2PFDA	INT STD	10.58	515.053 > 469.934	104230		11.805		na	118.1
36	M6PFDA	INT STD	10.58	519.053 > 473.931	109985		10.210		na	102.1
37	8:2FTS	39108-34-4	10.57	526.926 > 506.818	355		0.873		na	90.9
38	M2-8:2FTS	INT STD	10.57	529.053 > 508.945	3740		9.207		na	92.1
39	PFNS	68259-12-1	10.60	548.989 > 80.249	842		1.086	1.49	YES	113.1

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

ID: IA2-537STD1.0

Name: I13435

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.96	573.096 > 418.987	11161		9.098		na	91.0
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.97	570.053 > 418.917	1167		1.122	2.21	NO	112.2
43	NMeFOSAA	2355-31-9		570.053 > 418.917	1167		1.122		na	
44	PFUnA	2058-94-8	11.12	562.989 > 518.903	10026		1.034	6.81	NO	103.4
45	M7-PFUDA	INT STD	11.12	570.053 > 524.923	101388		10.609		na	106.1
46	PFDS	335-77-3	11.13	598.926 > 80.314	482		0.870	0.81	NO	90.2
47	FOSA	754-91-6	11.01	497.989 > 78.245	2798		1.172		YES	117.2
48	M8FOSA	INT STD	11.01	506.053 > 78.286	22475		8.824		na	88.2
49	d5-NEtFOSAA	INT STD	11.25	589.117 > 418.929	9857		9.096		na	91.0
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.26	583.989 > 418.927	836		0.899	2.06	NO	89.9
52	NEtFOSAA	2991-50-6		583.989 > 418.927	836		0.899		na	
53	PFDoA	307-55-1	11.60	612.989 > 568.967	9531		1.089	13.33	NO	108.9
54	MPFDOA	INT STD	11.60	614.989 > 569.92	103352		9.640		na	96.4
55	PFTTrDA	72629-94-8	12.01	663.053 > 618.969	8871		1.260	10.92	NO	126.0
56	PFTA	376-06-7	12.37	713.053 > 668.976	7615		1.139	8.80	NO	113.9
57	M2PFTEDA	INT STD	12.37	715.053 > 669.945	83480		9.803		na	98.0
58	M3HFPO-DA	INT STD	7.44	331.989 > 286.995	3469		70.486		na	35.2
59	HFPO-DA	13252-13-6	7.44	284.819 > 169.094	410		14.231	2.23	YES	71.2
60	ADONA	958445-44-8	8.45	376.926 > 251.005	15122		0.992		na	104.9
61	PFHxDA		12.79	813.053 > 769.005	6645		1.044		na	104.4
62	PFODA		12.99	912.989 > 869.032	4023		0.862		na	86.2
63	M2PFHxDA		12.79	815.372 > 770.158	17329		9.560		na	95.6
64	PFDoS		12.00	698.649 > 79.853	611		1.082	2.71	NO	108.2
65	10:2FTS		11.61	626.862 > 606.896	464		1.191		na	123.5
66	9CL-PF3ONS		10.35	530.862 > 350.843	4366		0.797		na	85.5
67	11CL-PFOUdS		11.39	630.862 > 450.854	4417		0.956		na	101.5
68	NMeFOSA		11.62	511.804 > 168.906	821		1.011	1.37	NO	101.1
69	d3-NMeFOSA		11.62	514.84 > 168.917	10918		8.220		na	82.2
70	NEtFOSA		11.92	525.84 > 168.92	951		1.032	6.47	YES	103.2
71	d5-NEtFOSA		11.92	530.904 > 168.919	10513		8.092		na	80.9
72	NMeFOSE		11.63	615.862 > 58.9	848		0.748		na	74.8
73	d7-NMeFOSE		11.61	622.84 > 58.964	5601		9.004		na	90.0
74	NEtFOSE		11.91	629.862 > 58.899	1239		0.961		na	96.1
75	d9-NEtFOSE		11.90	638.734 > 58.964	3265		8.976		na	89.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

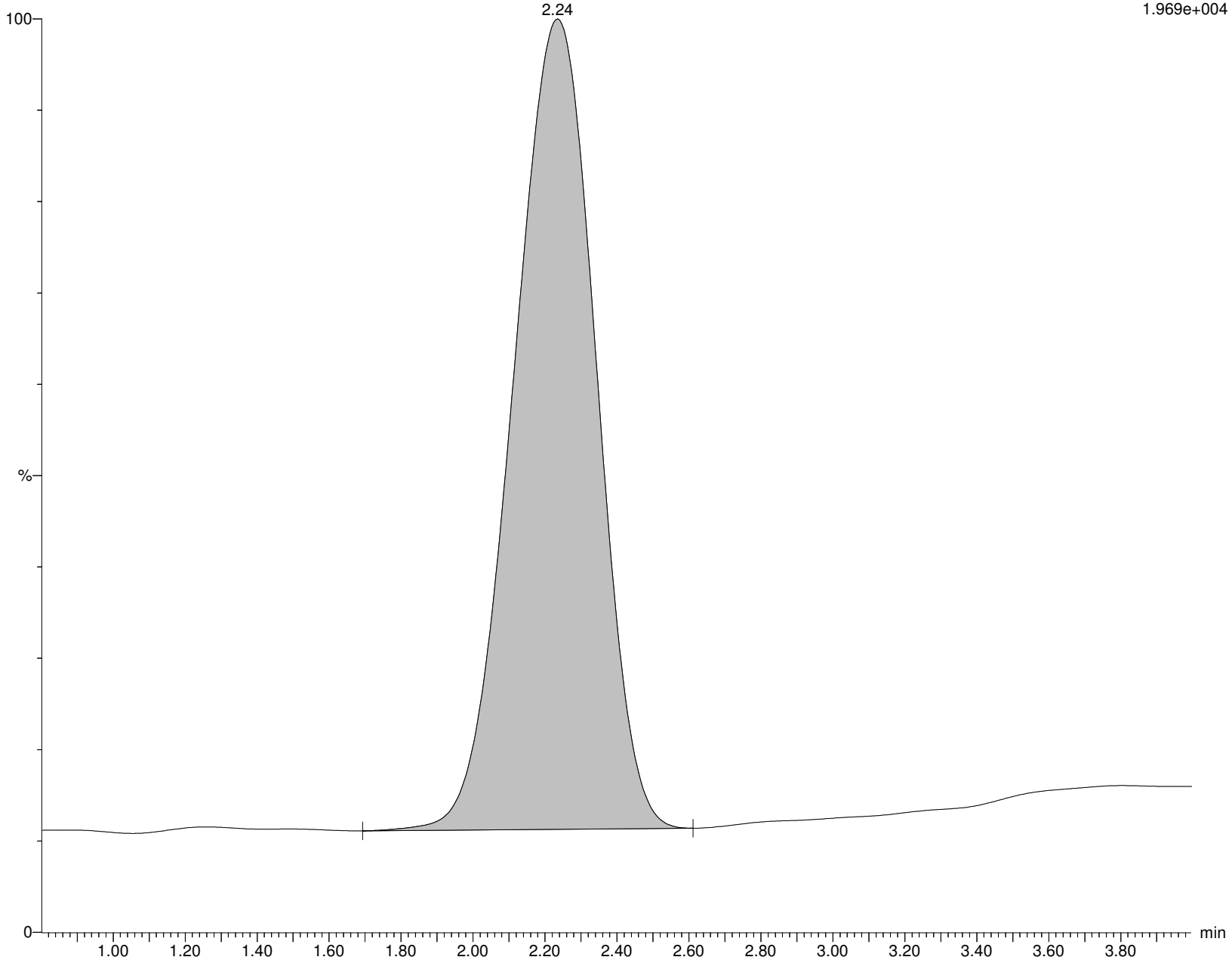
I13435 Smooth(Mn,8x8)

WG1310082,,537_190904_2 IA2-537STD1.0

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.969e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

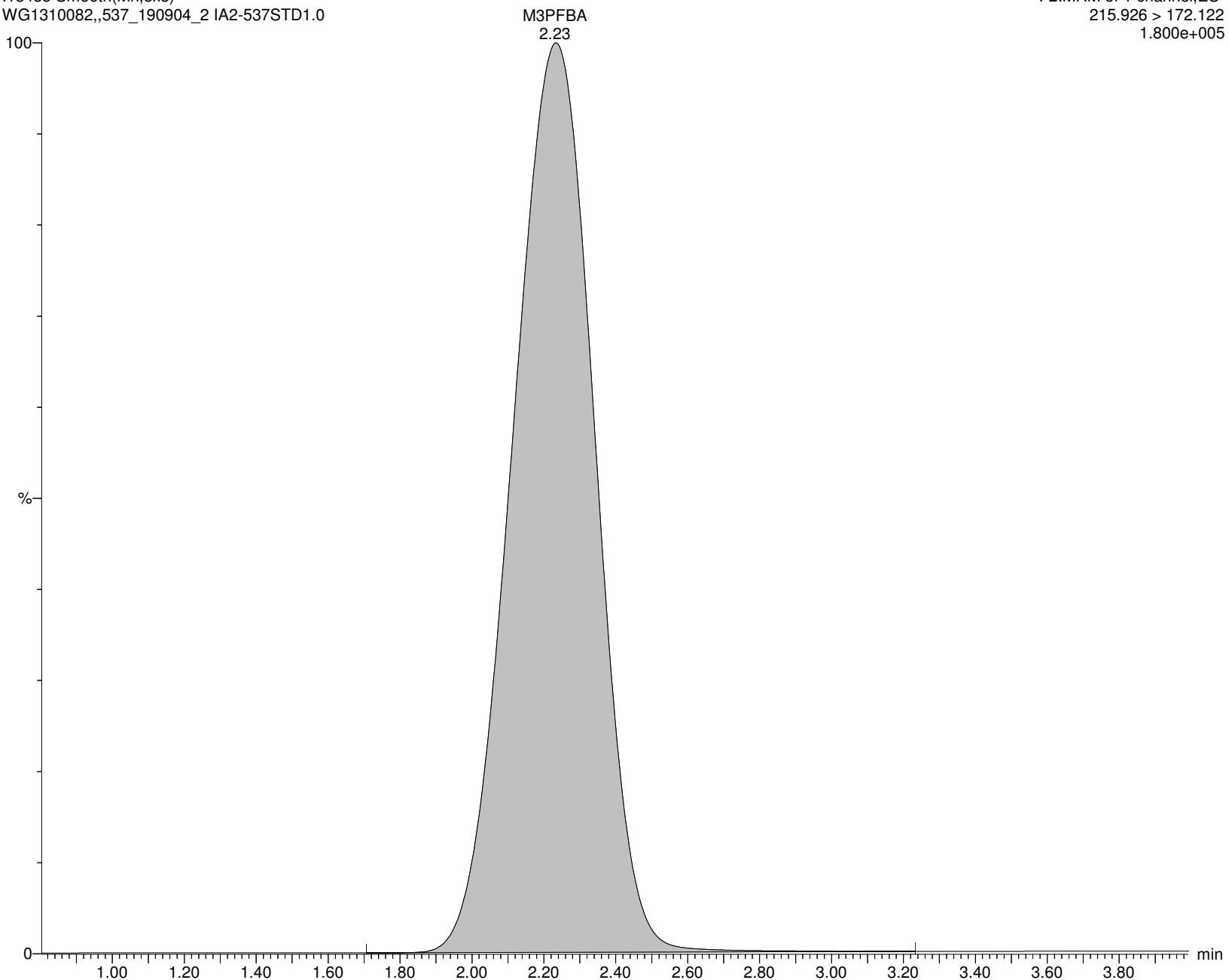
I13435 Smooth(Mn,8x8)

WG1310082,,537_190904_2 IA2-537STD1.0

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.800e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

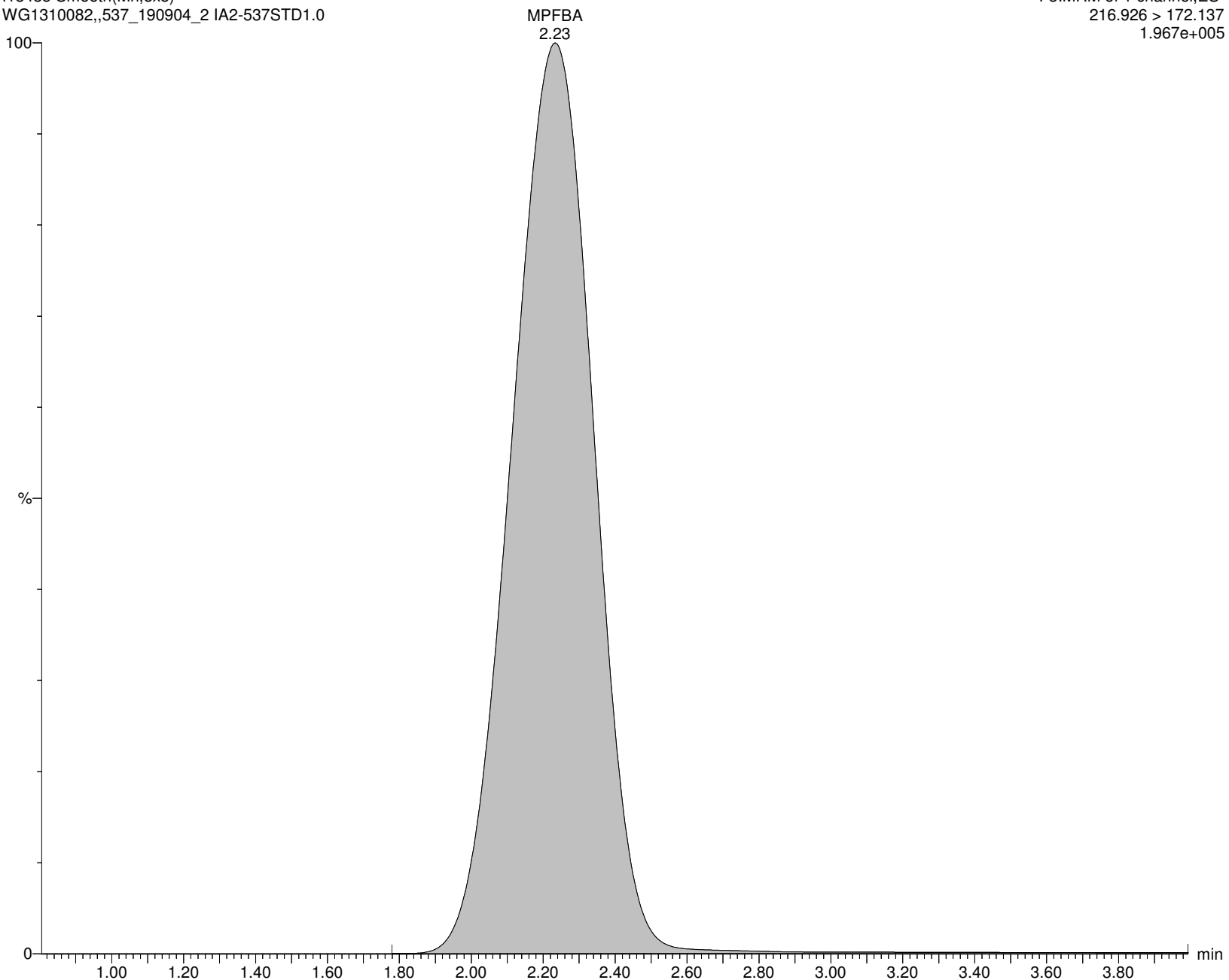
I13435 Smooth(Mn,8x8)

WG1310082,,537_190904_2 IA2-537STD1.0

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.967e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

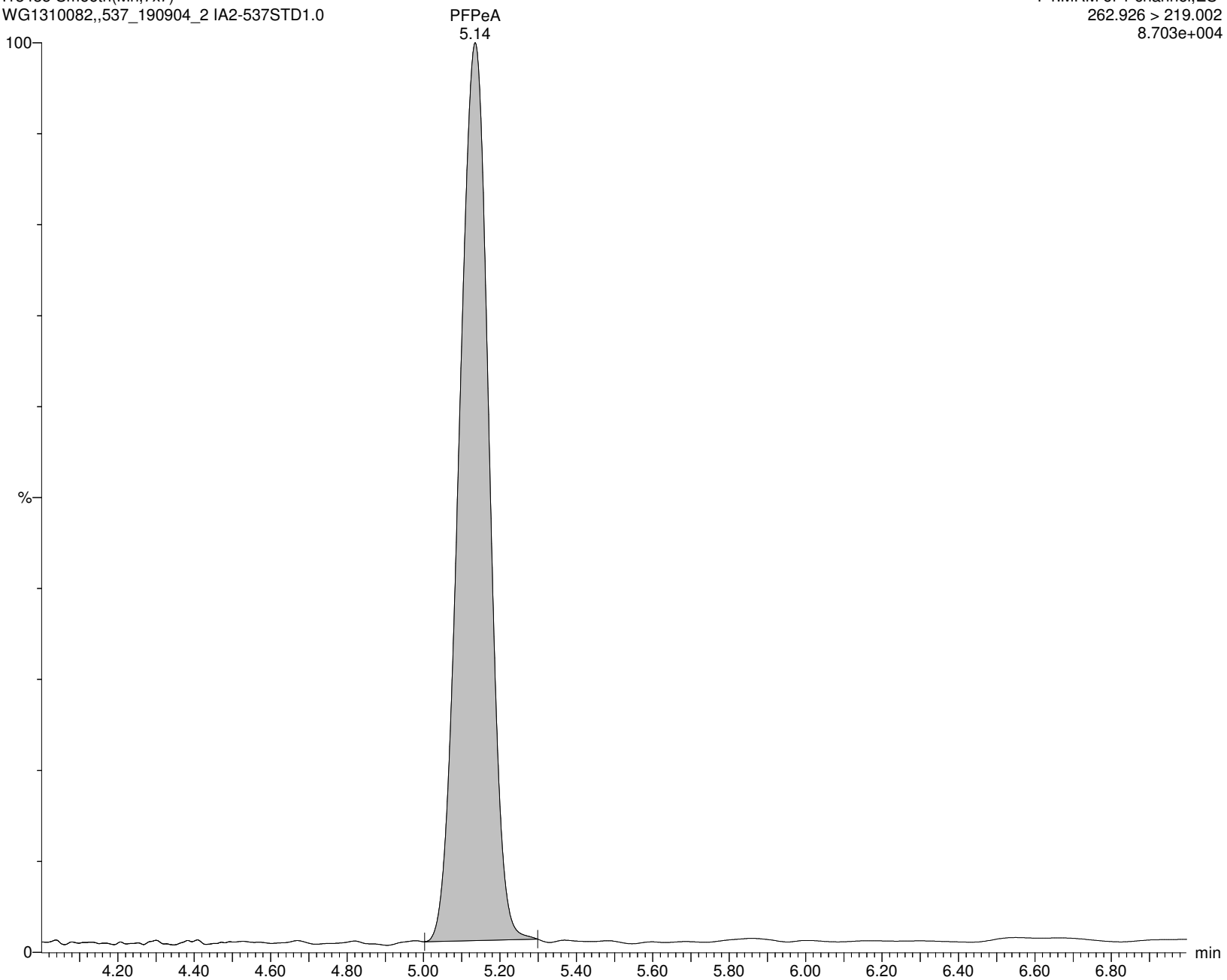
I13435 Smooth(Mn,7x7)

WG1310082,,537_190904_2 IA2-537STD1.0

F4:MRM of 1 channel,ES-

262.926 > 219.002

8.703e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

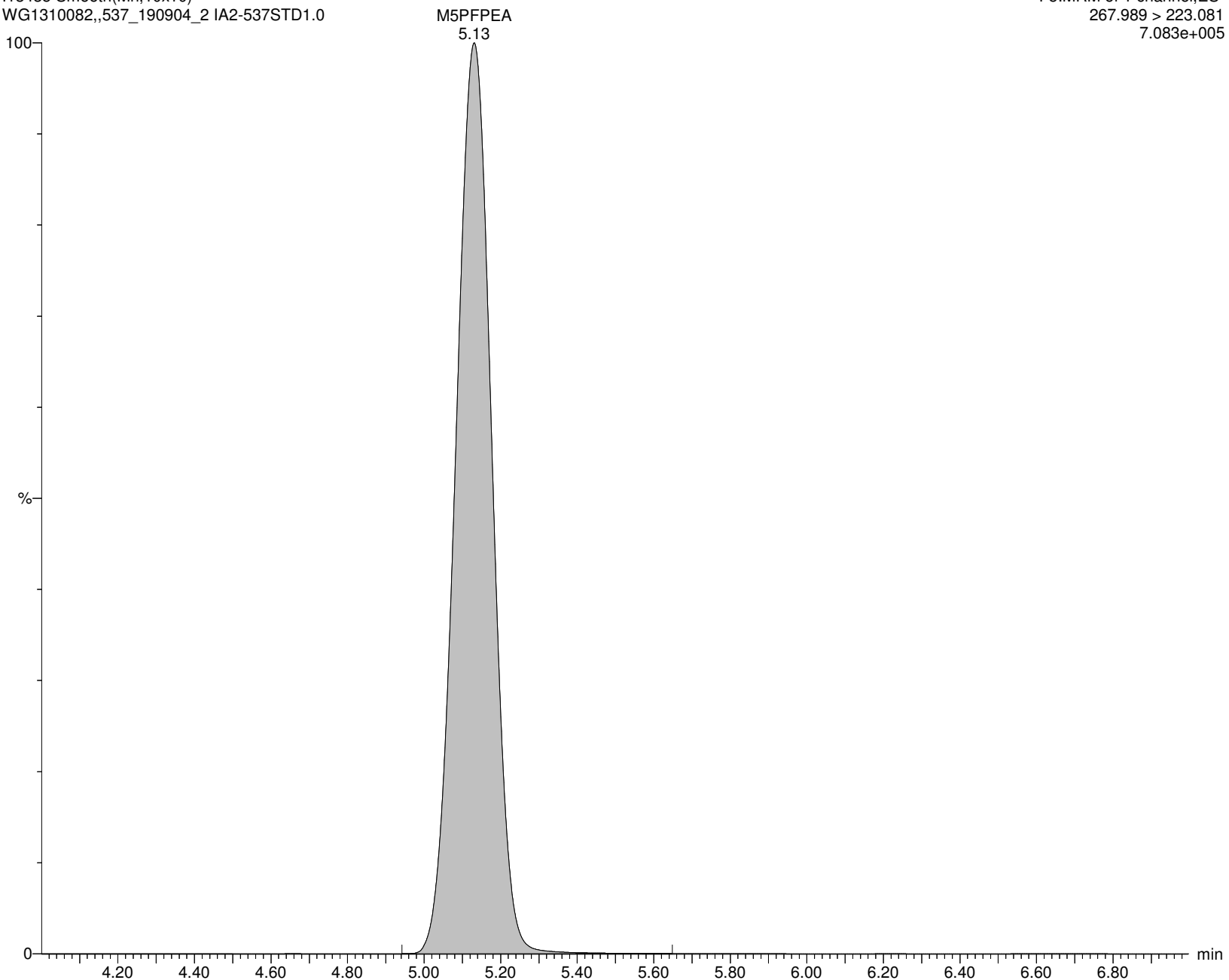
I13435 Smooth(Mn,10x10)

WG1310082,,537_190904_2 IA2-537STD1.0

F5:MRM of 1 channel,ES-

267.989 > 223.081

7.083e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

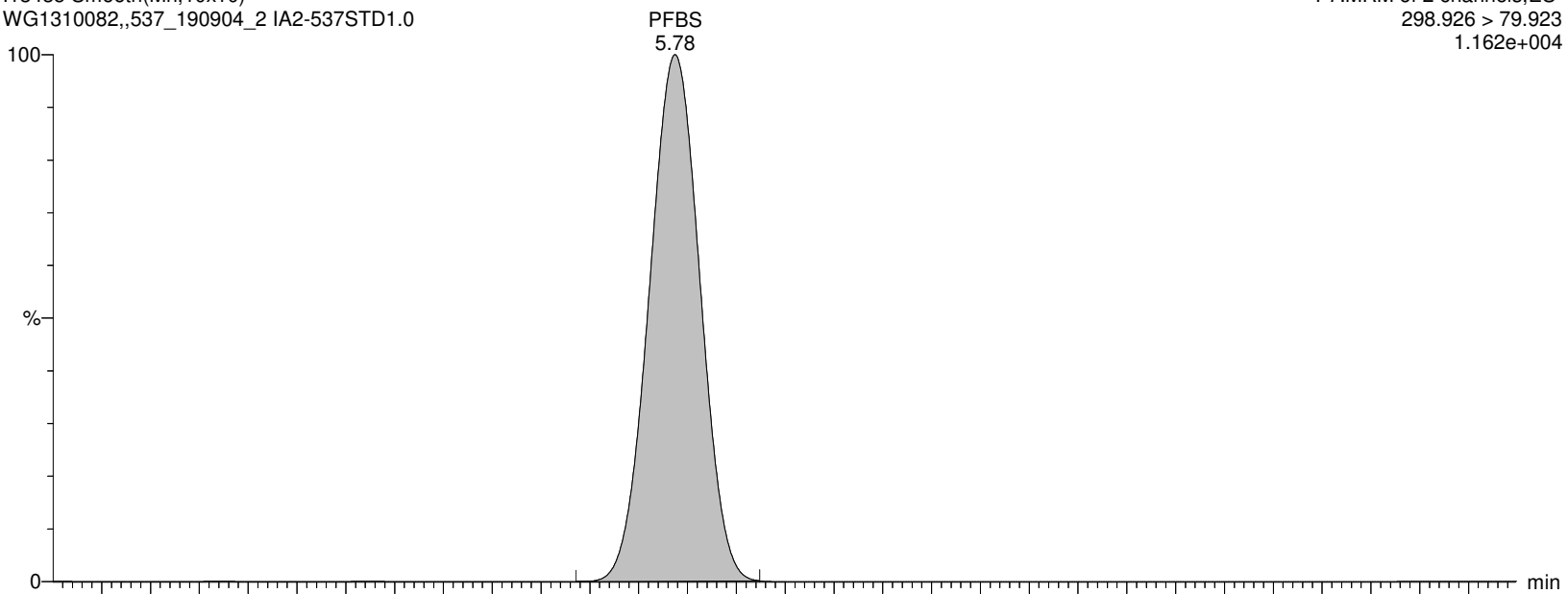
I13435 Smooth(Mn,10x10)

WG1310082,,537_190904_2 IA2-537STD1.0

F7:MRM of 2 channels,ES-

298.926 > 79.923

1.162e+004



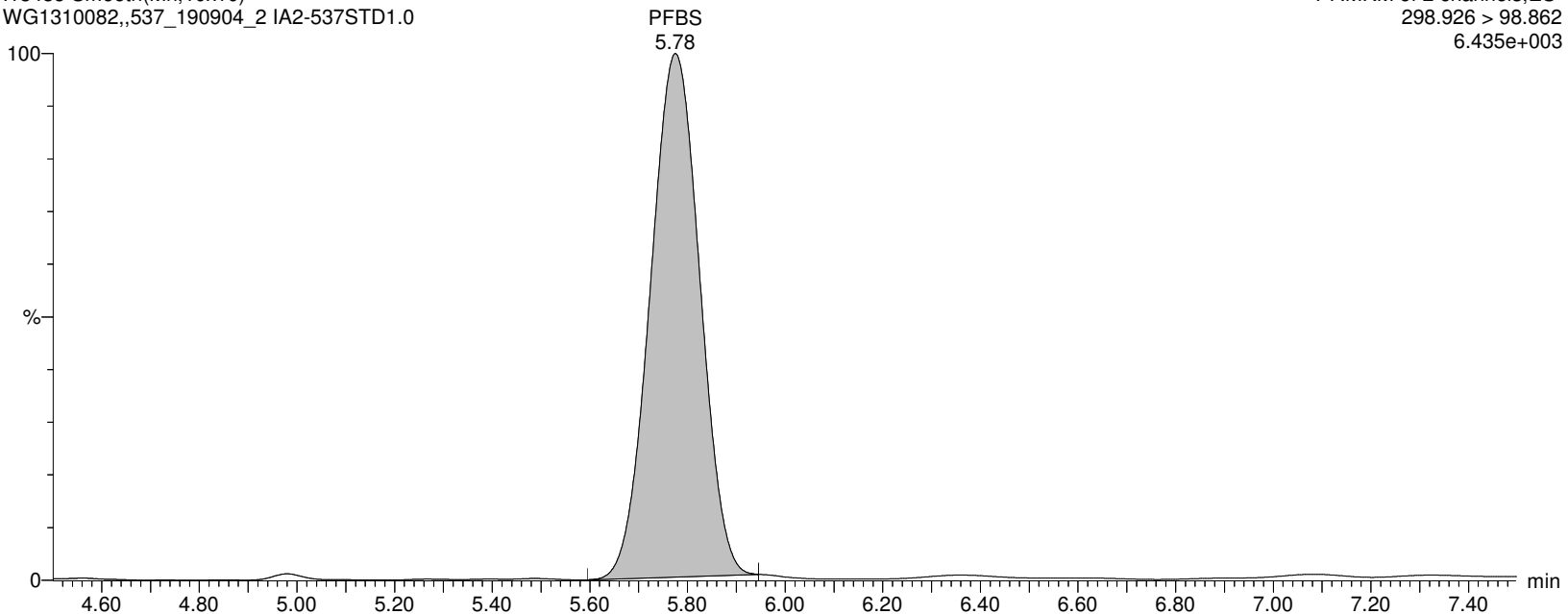
I13435 Smooth(Mn,10x10)

WG1310082,,537_190904_2 IA2-537STD1.0

F7:MRM of 2 channels,ES-

298.926 > 98.862

6.435e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBS

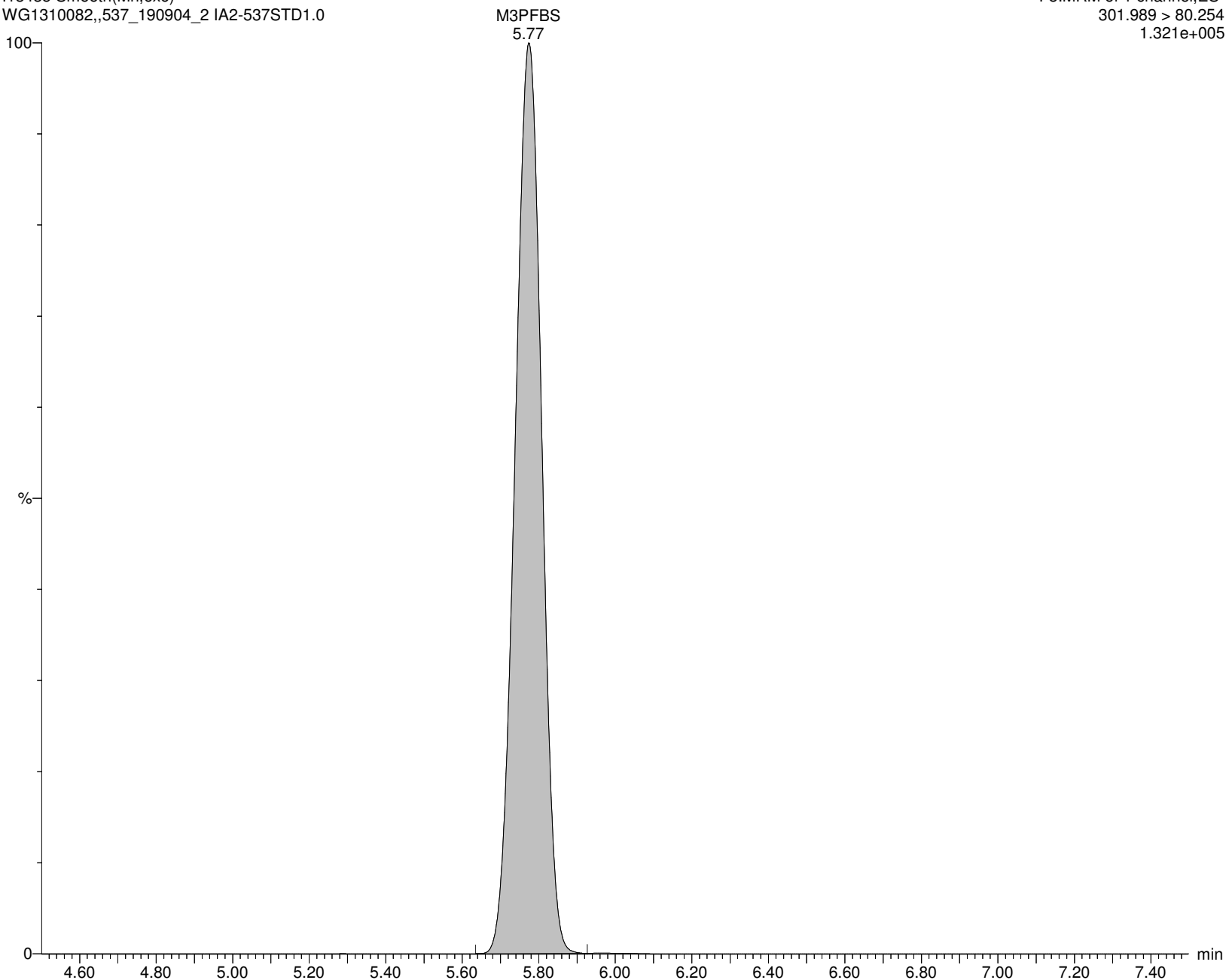
I13435 Smooth(Mn,6x6)

WG1310082,,537_190904_2 IA2-537STD1.0

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.321e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****4:2FTS**

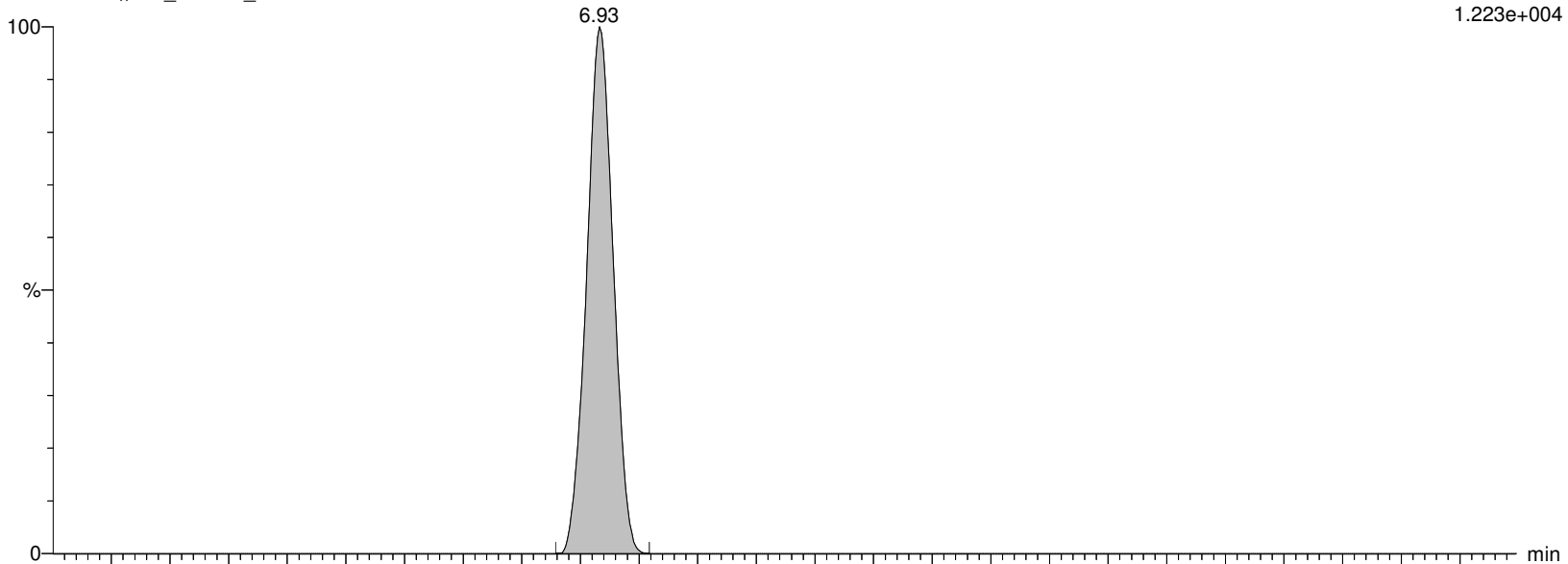
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F11:MRM of 2 channels,ES-

326.926 > 306.957

1.223e+004



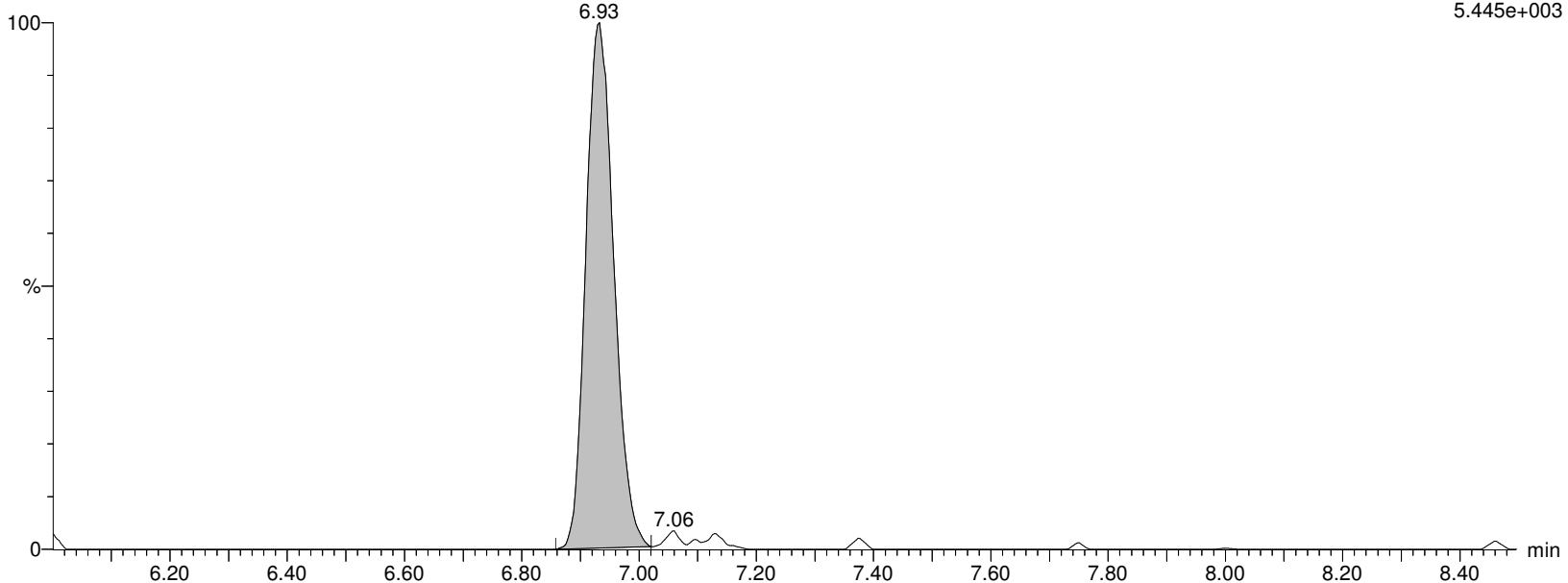
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F11:MRM of 2 channels,ES-

326.926 > 81.02

5.445e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

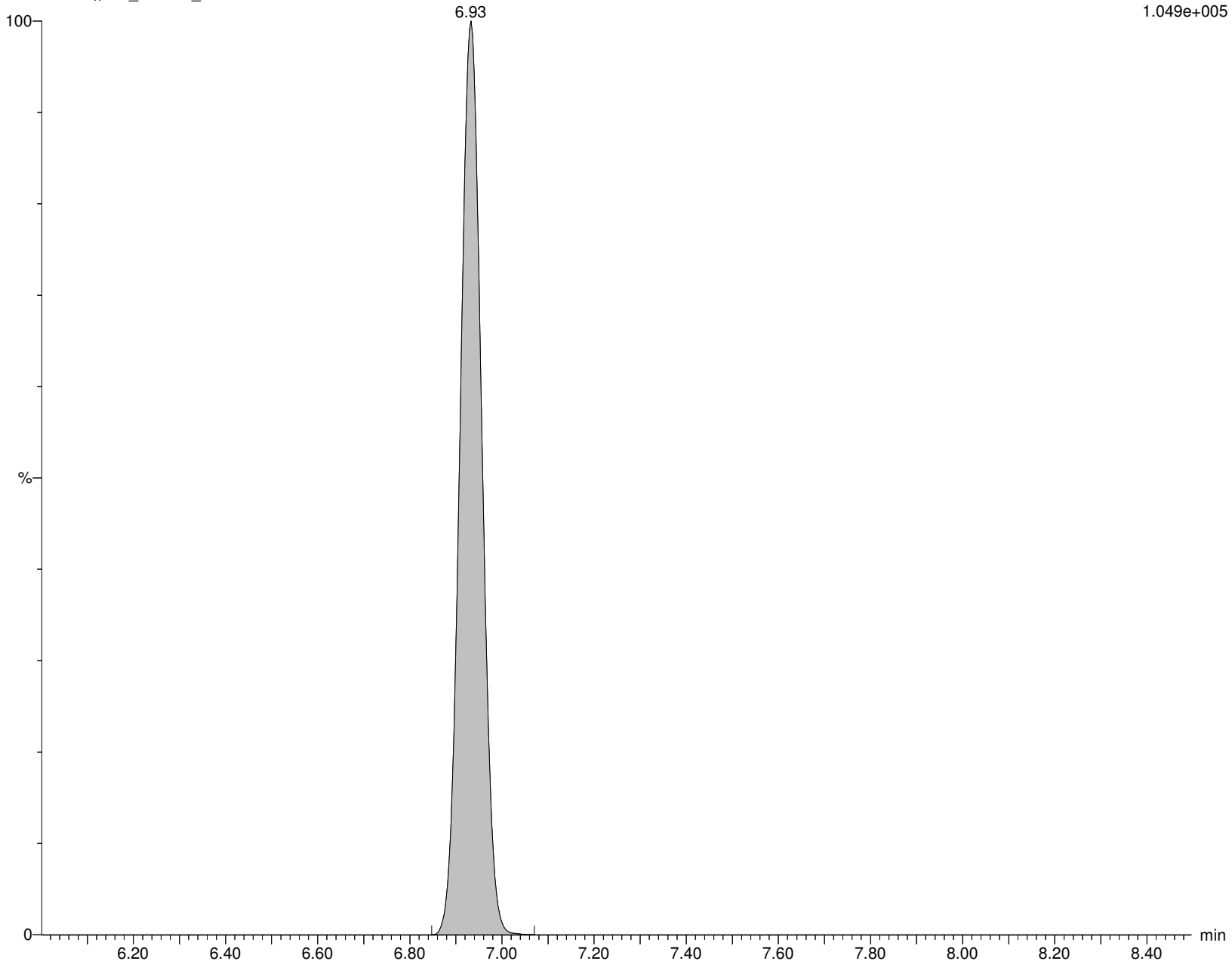
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.049e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

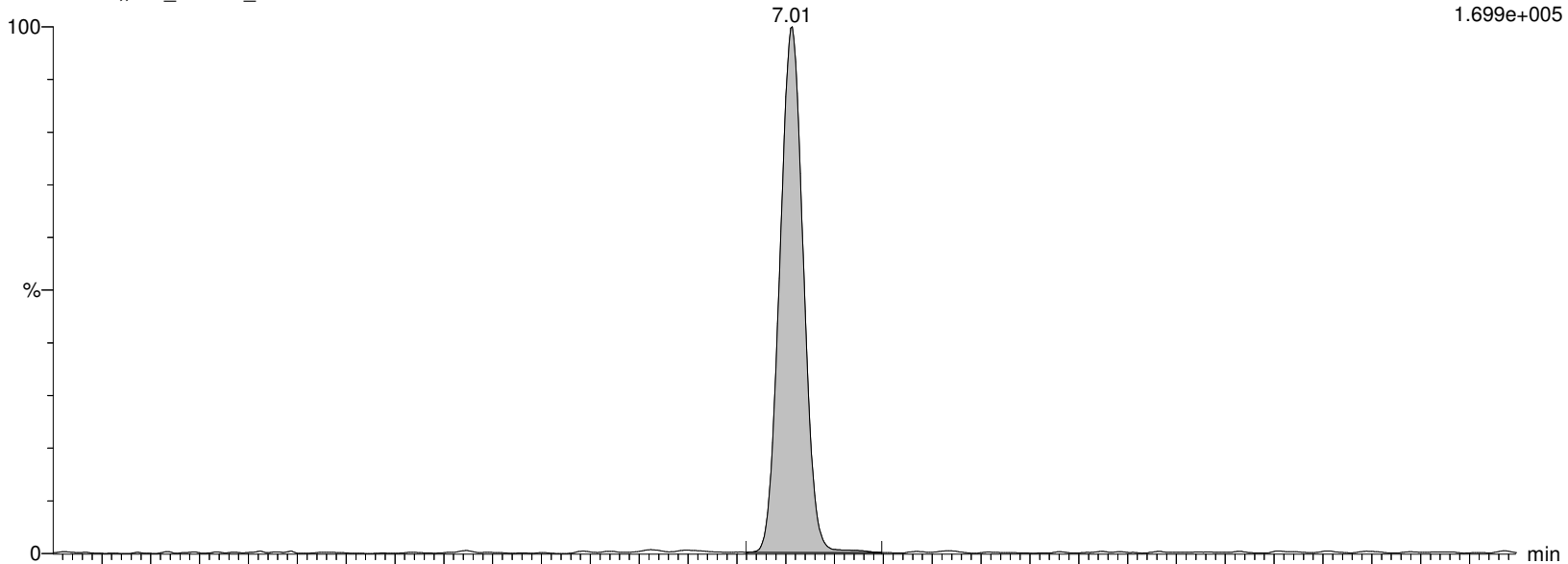
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F9:MRM of 2 channels,ES-

312.989 > 269.028

1.699e+005



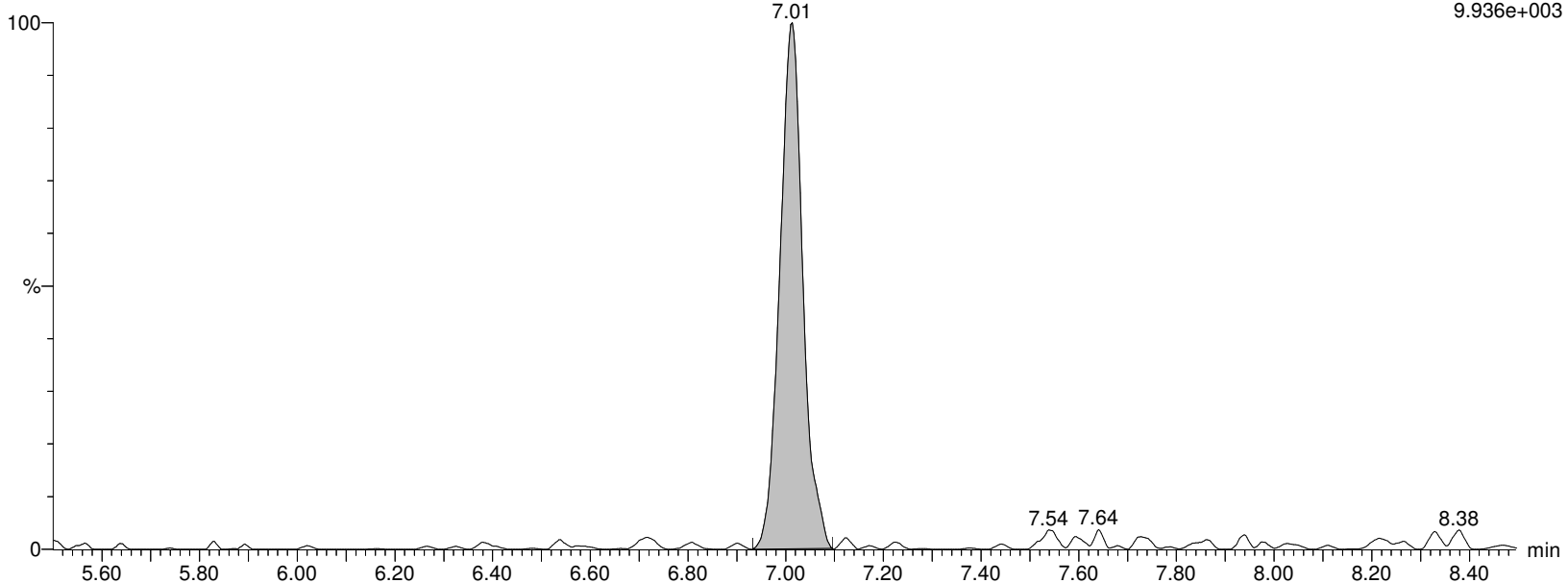
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F9:MRM of 2 channels,ES-

312.989 > 119.18

9.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

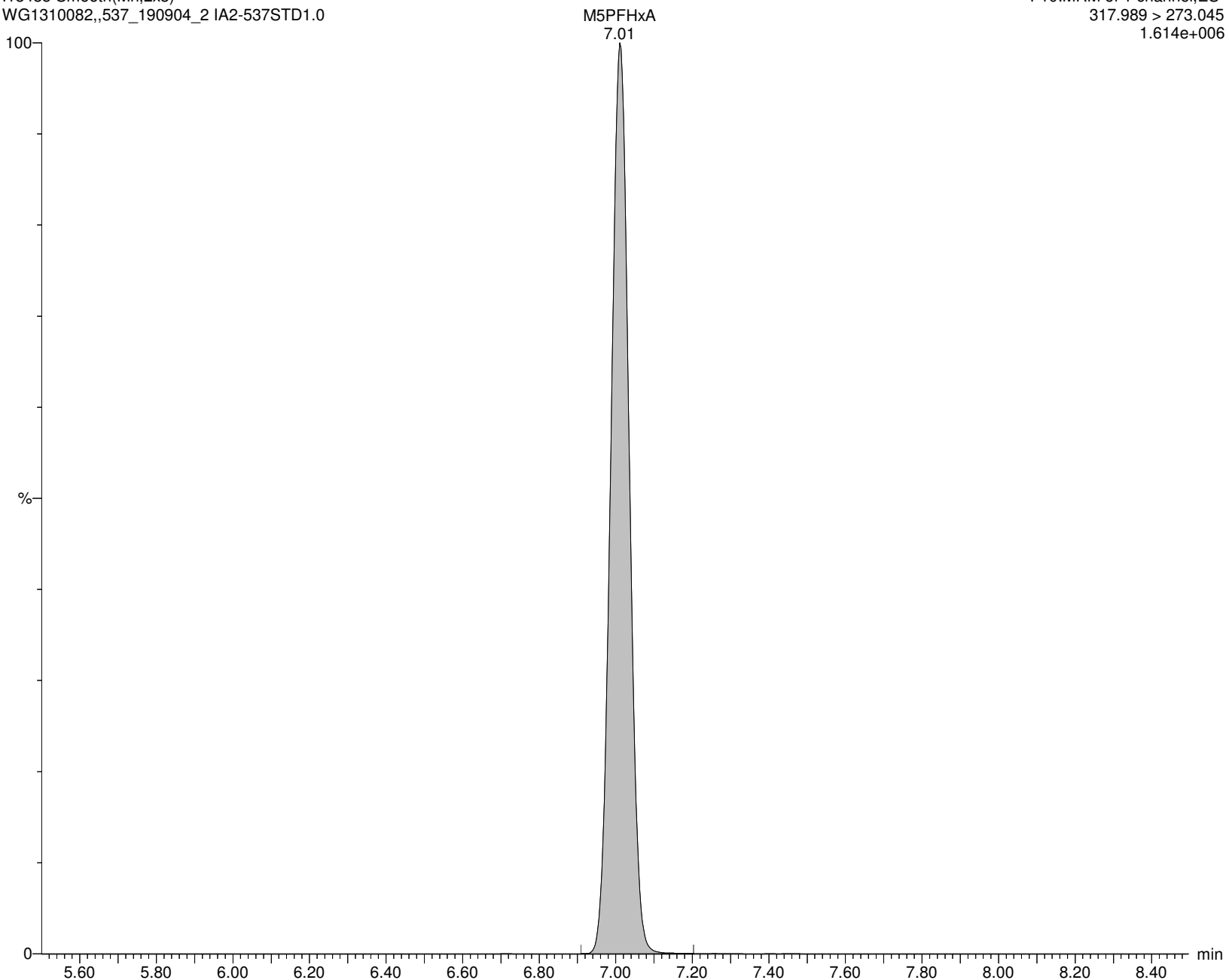
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.614e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

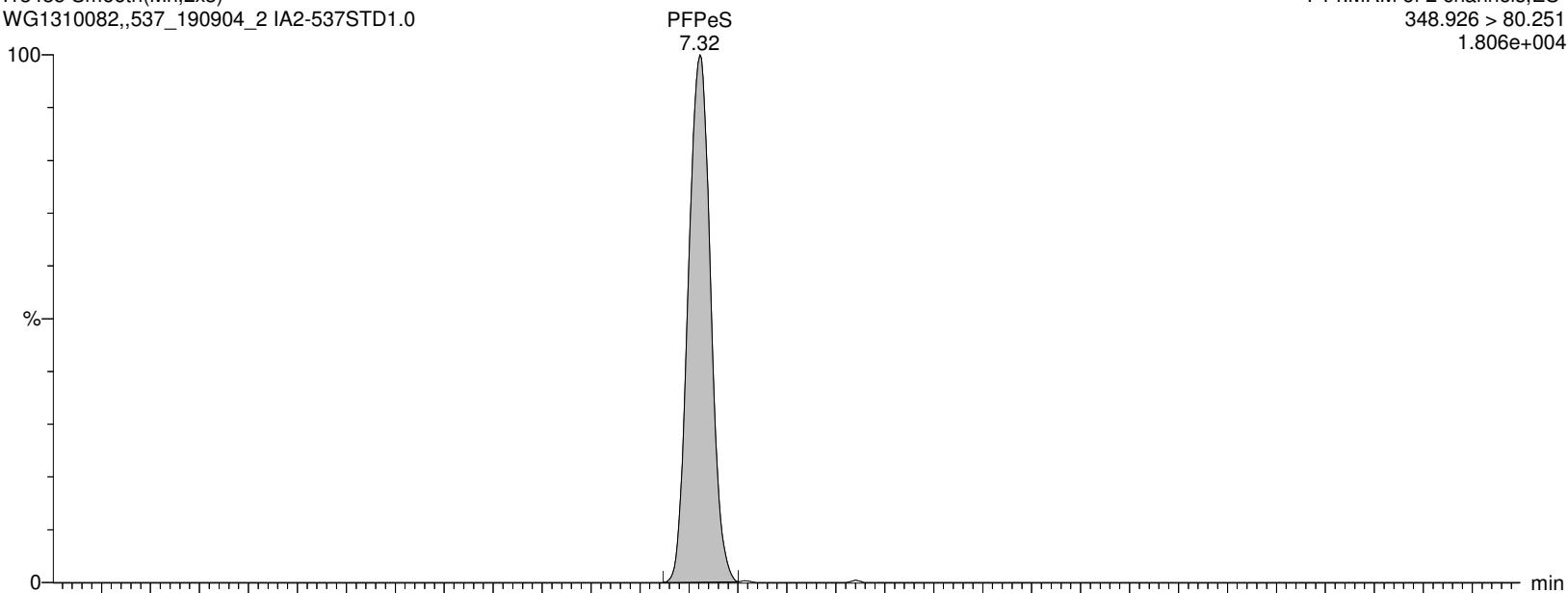
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F14:MRM of 2 channels,ES-

348.926 > 80.251

1.806e+004



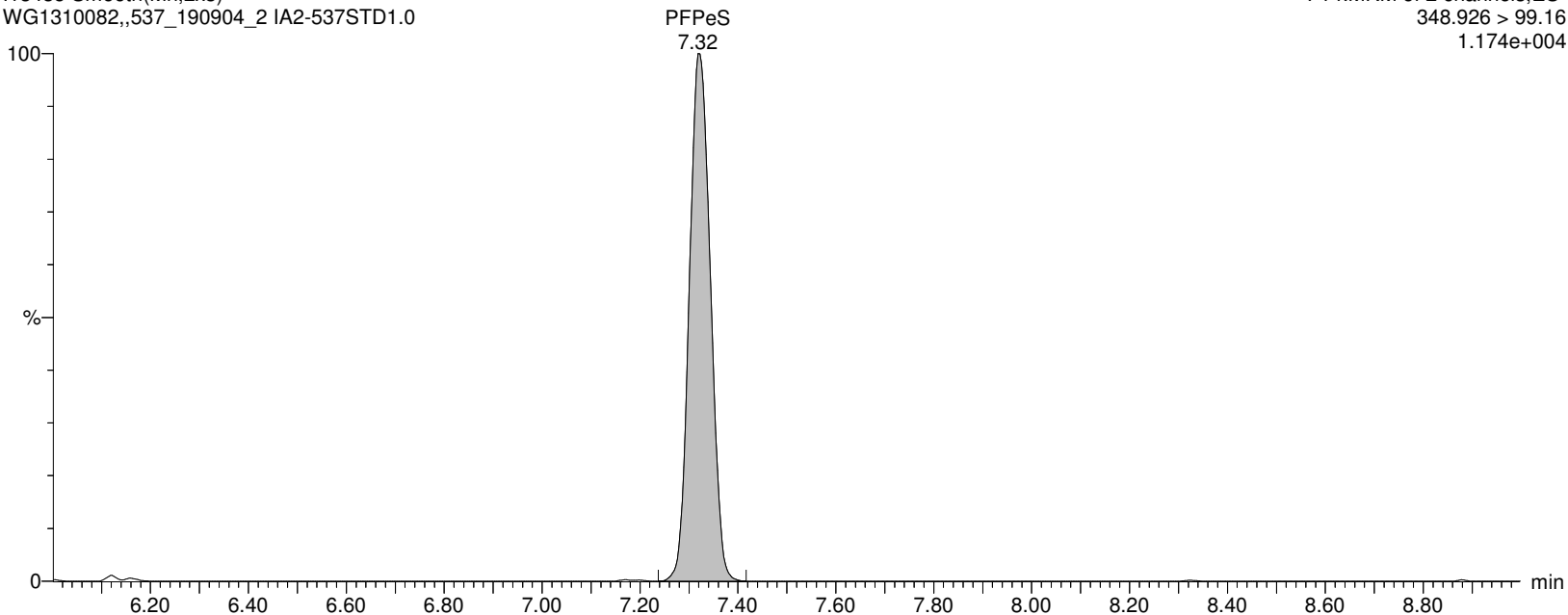
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.174e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

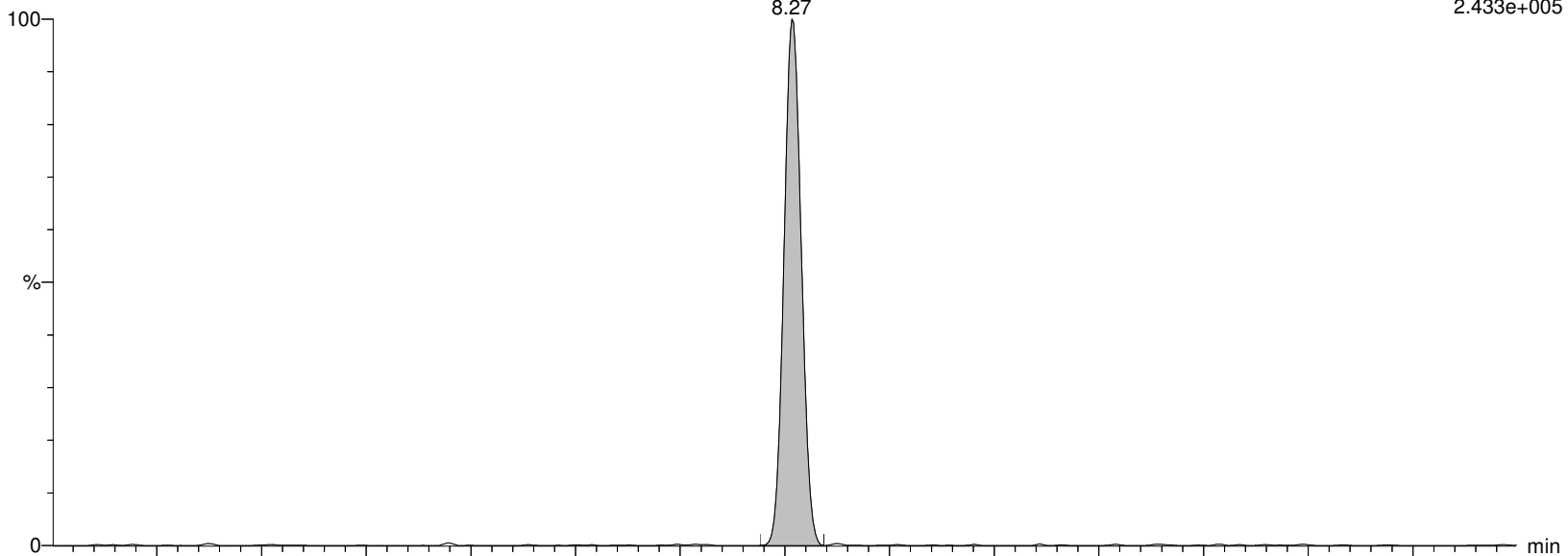
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F15:MRM of 2 channels,ES-

362.926 > 319.014

2.433e+005



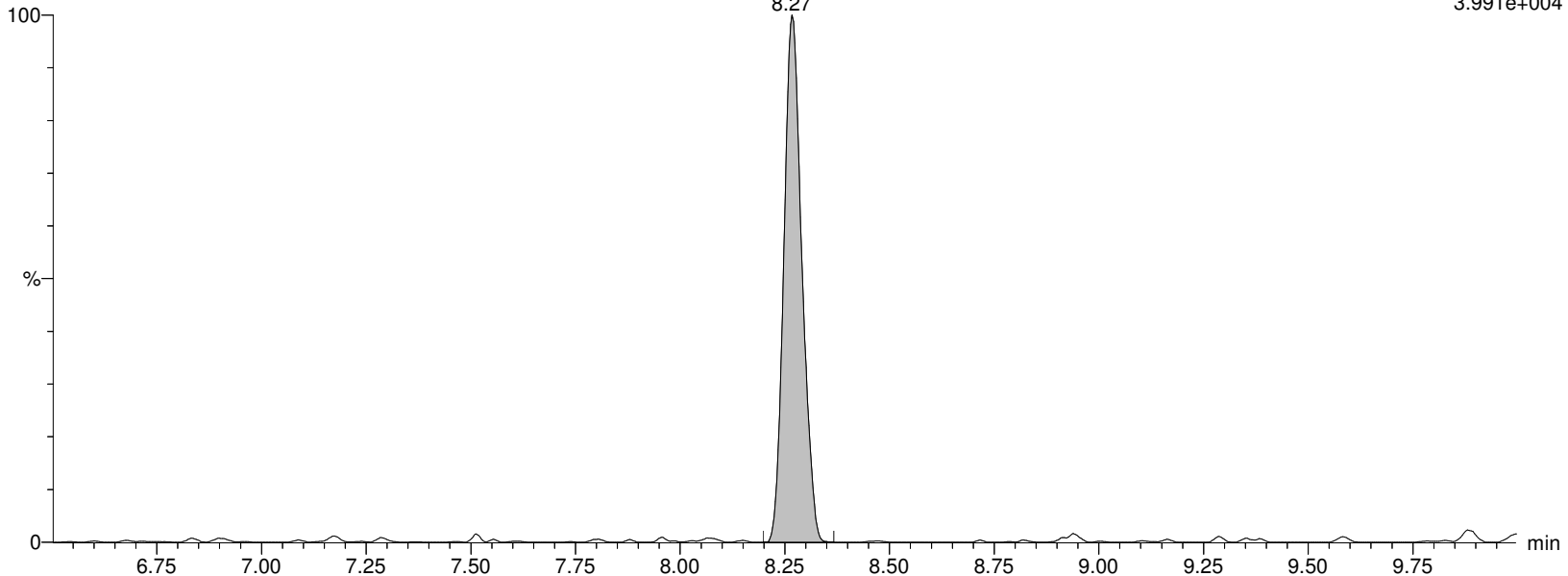
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F15:MRM of 2 channels,ES-

362.926 > 169.12

3.991e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

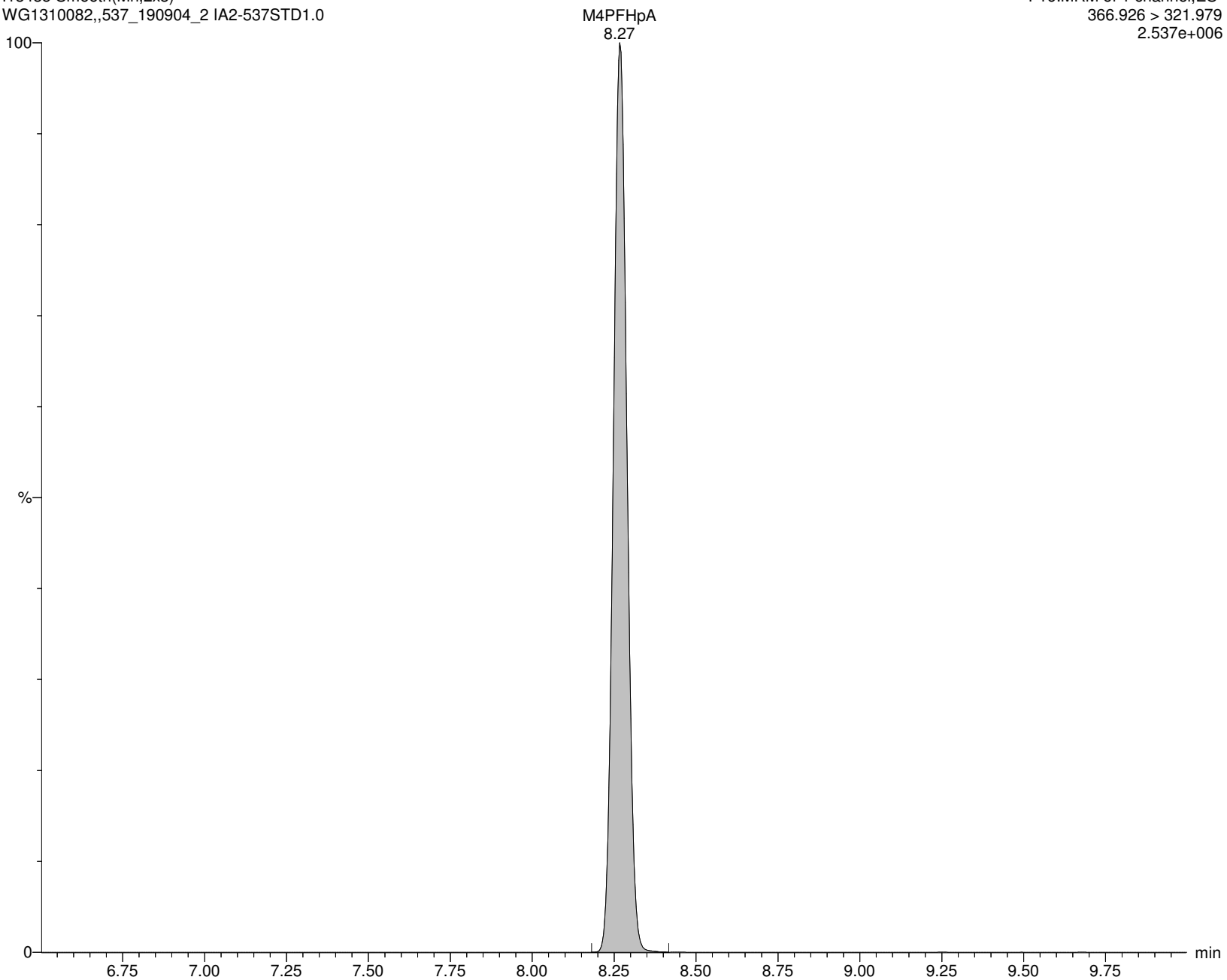
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.537e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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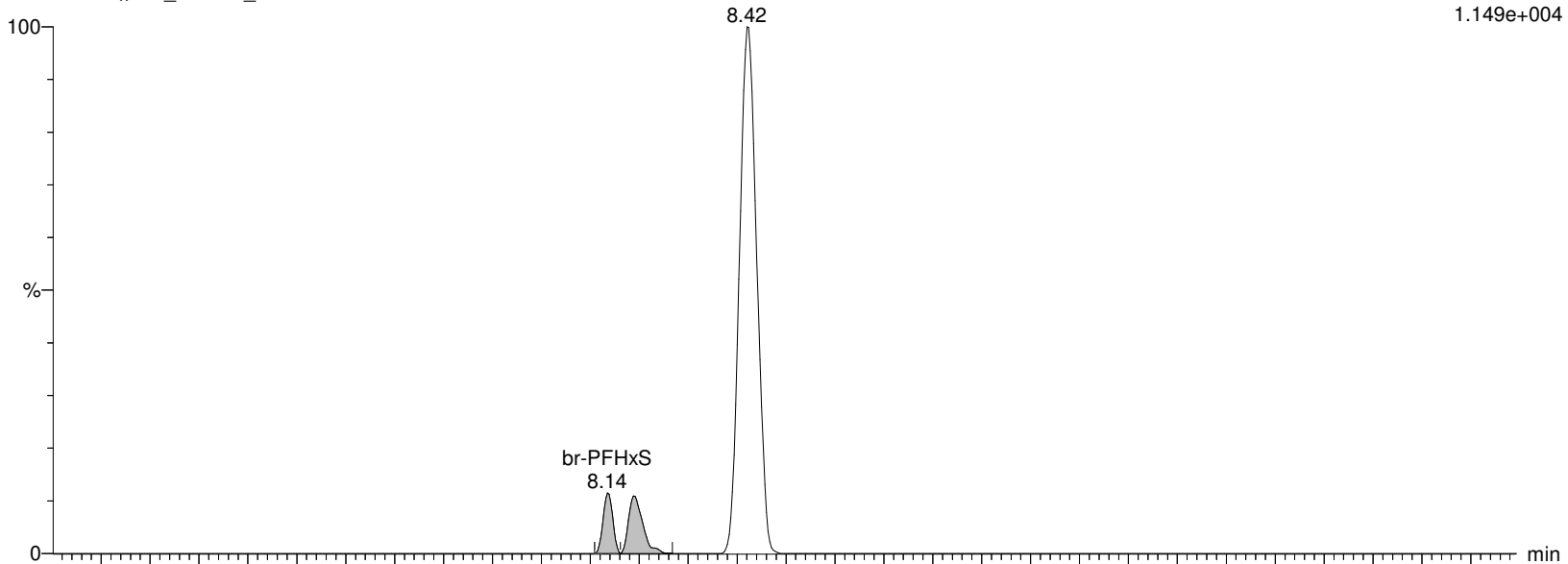
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.149e+004



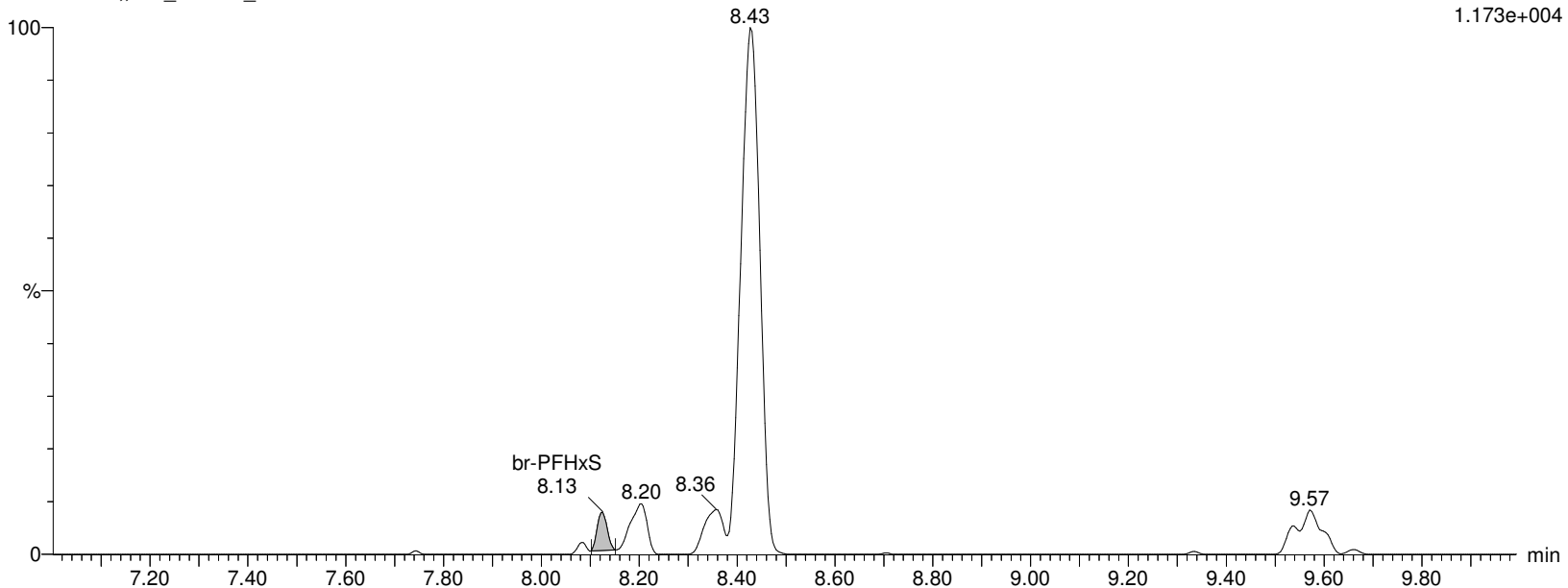
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.173e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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L-PFHxS

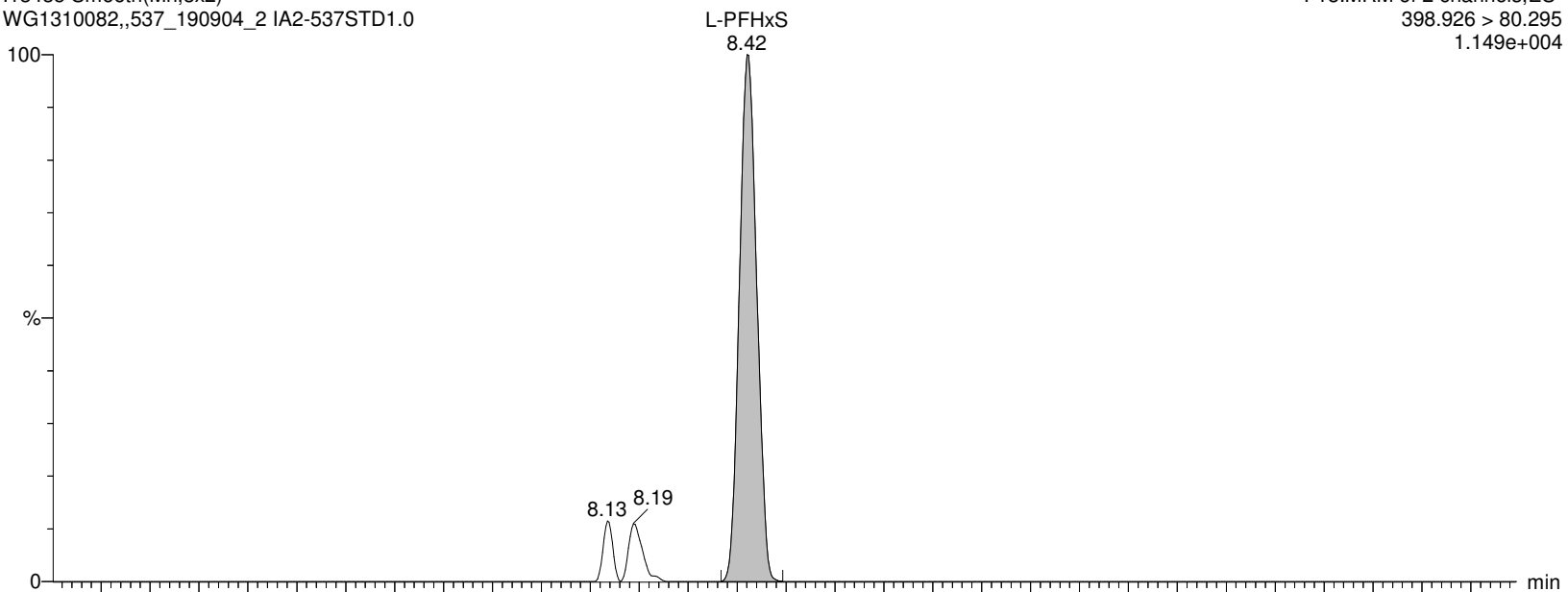
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.149e+004



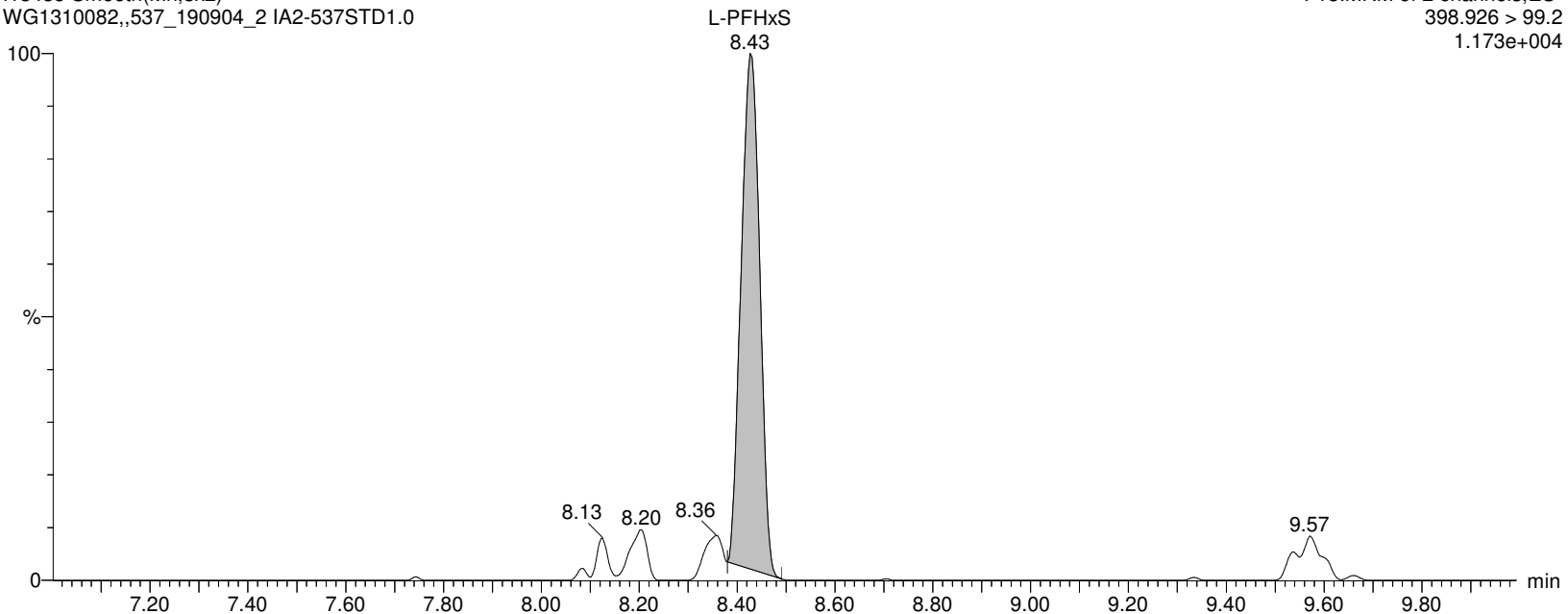
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.173e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

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Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

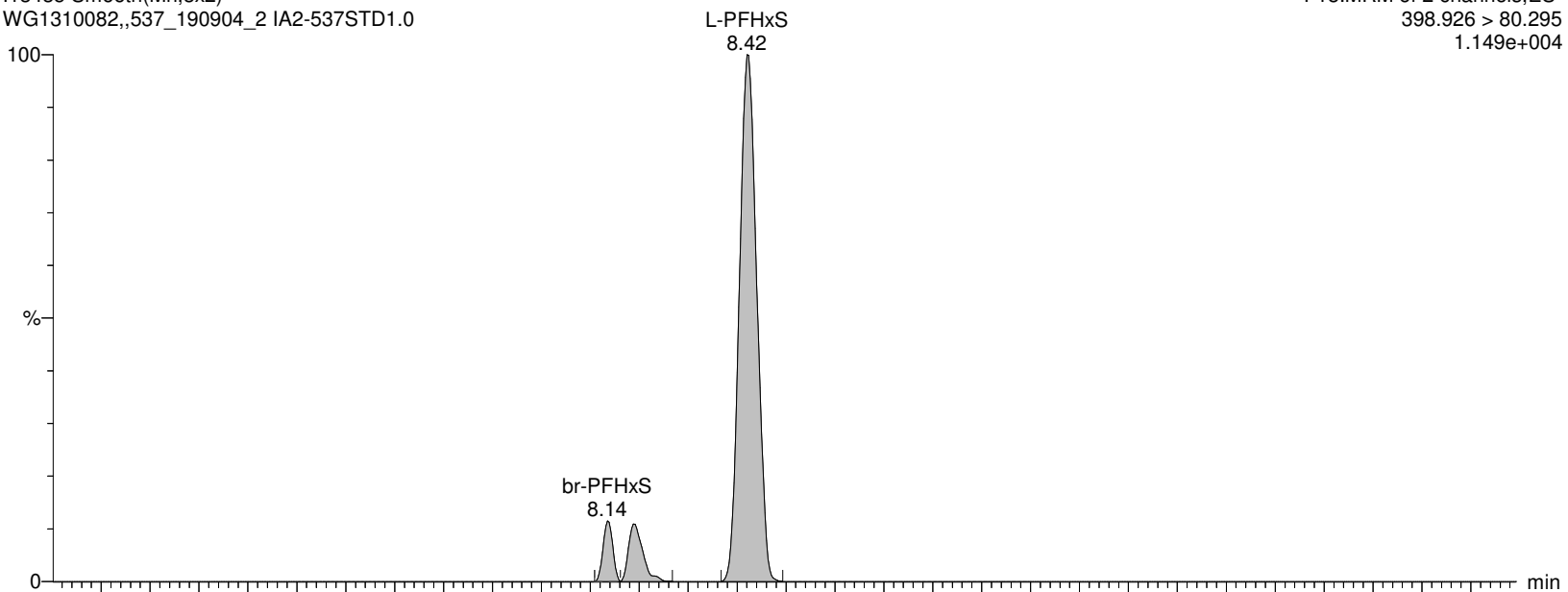
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.149e+004



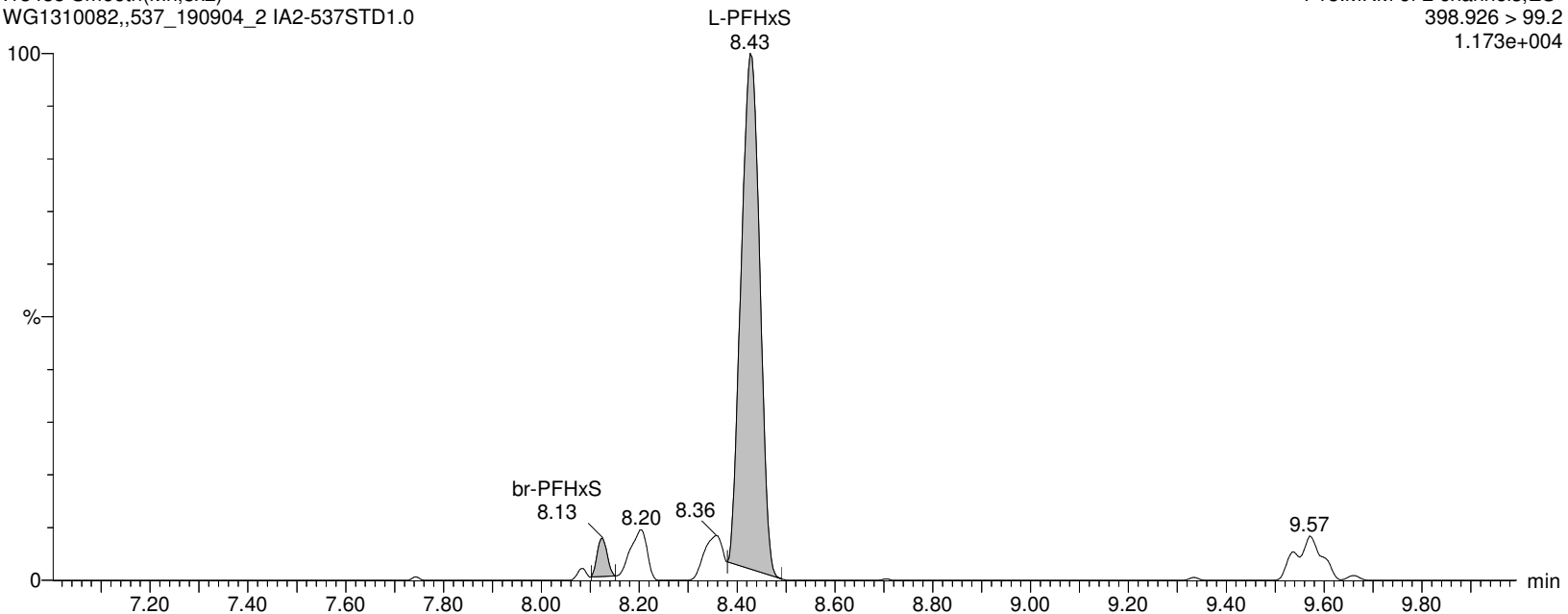
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.173e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

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User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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M3PFHxS

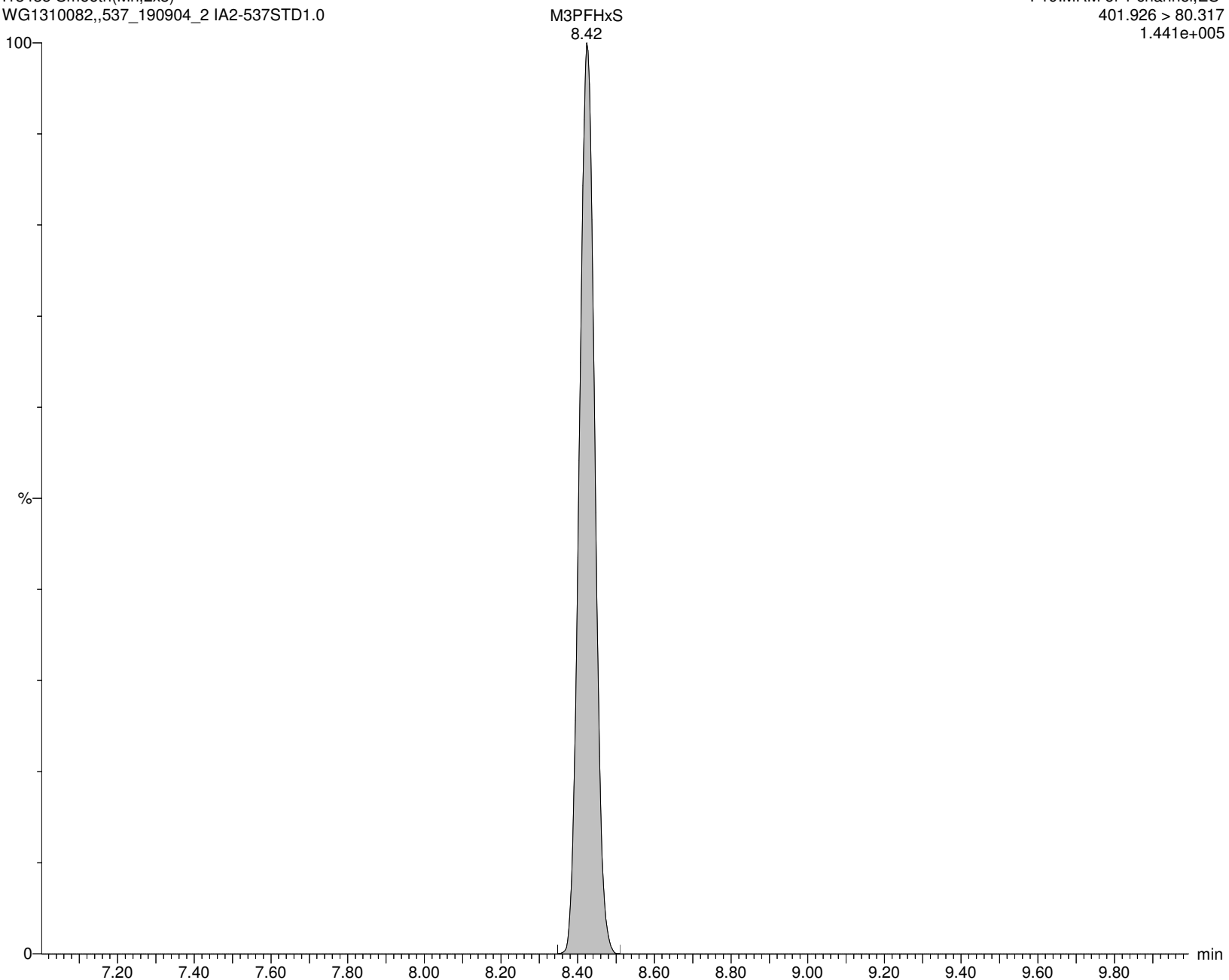
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.441e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

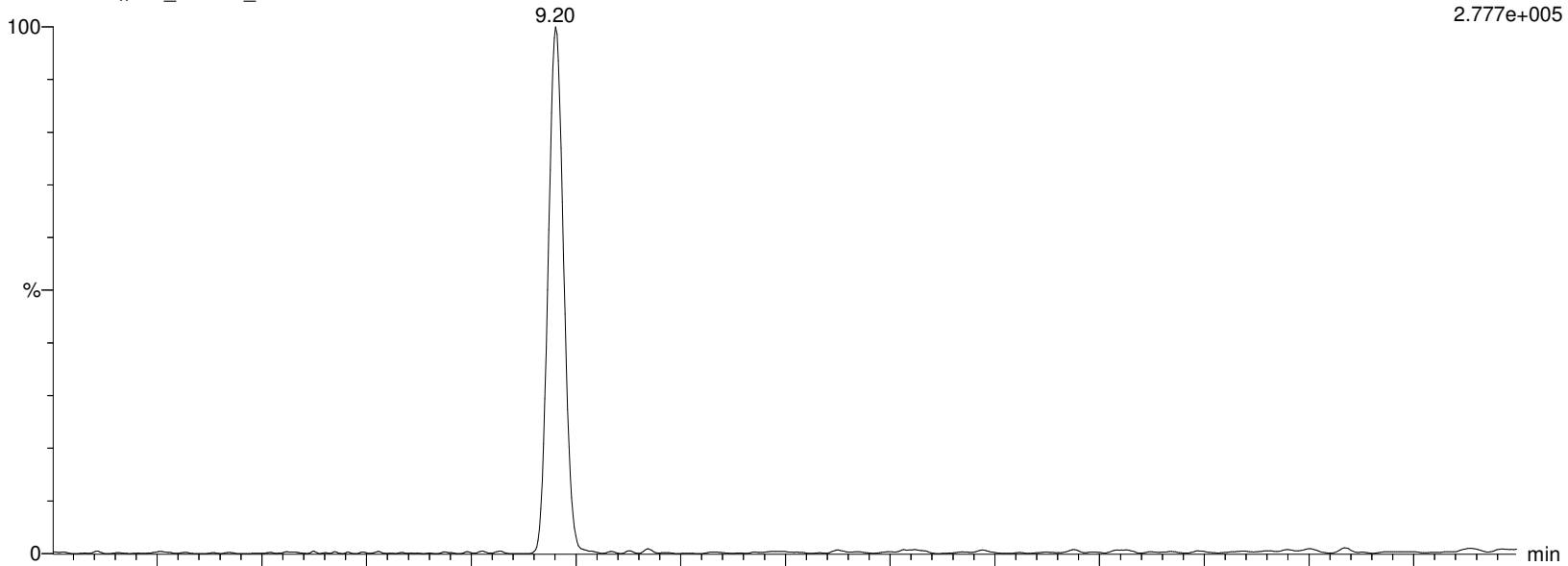
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.777e+005



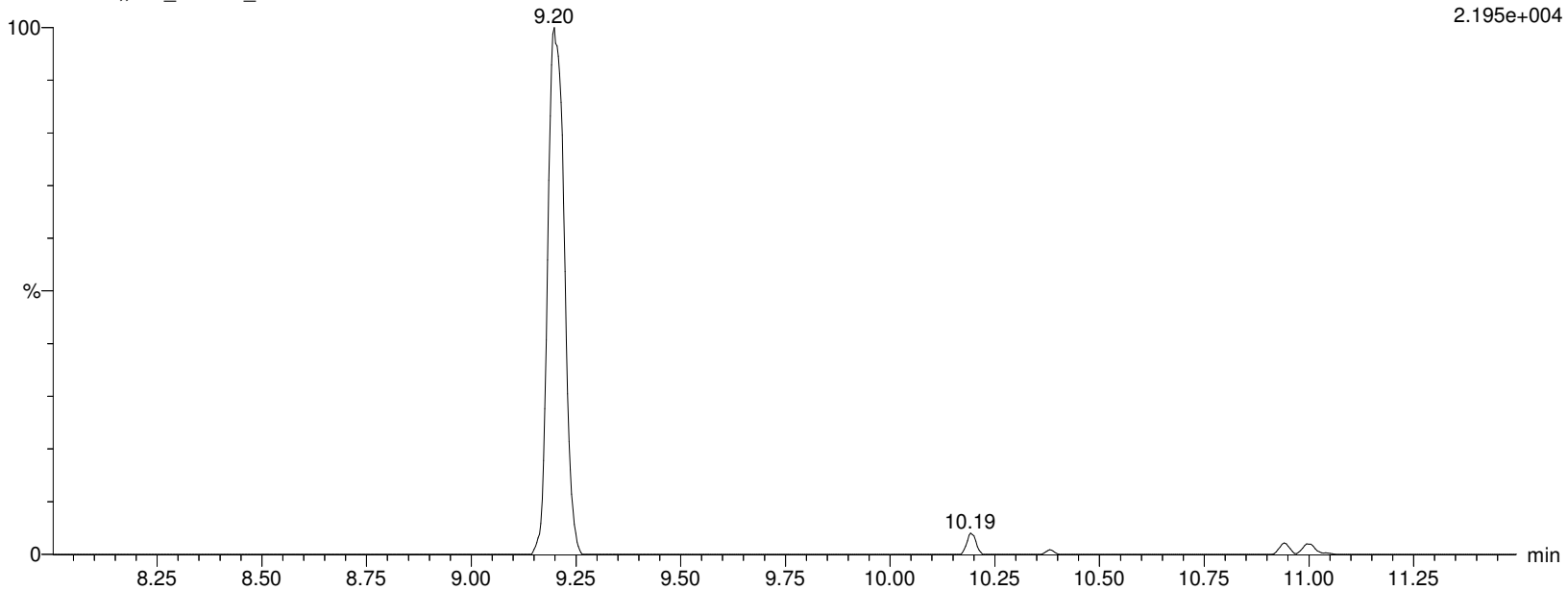
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.195e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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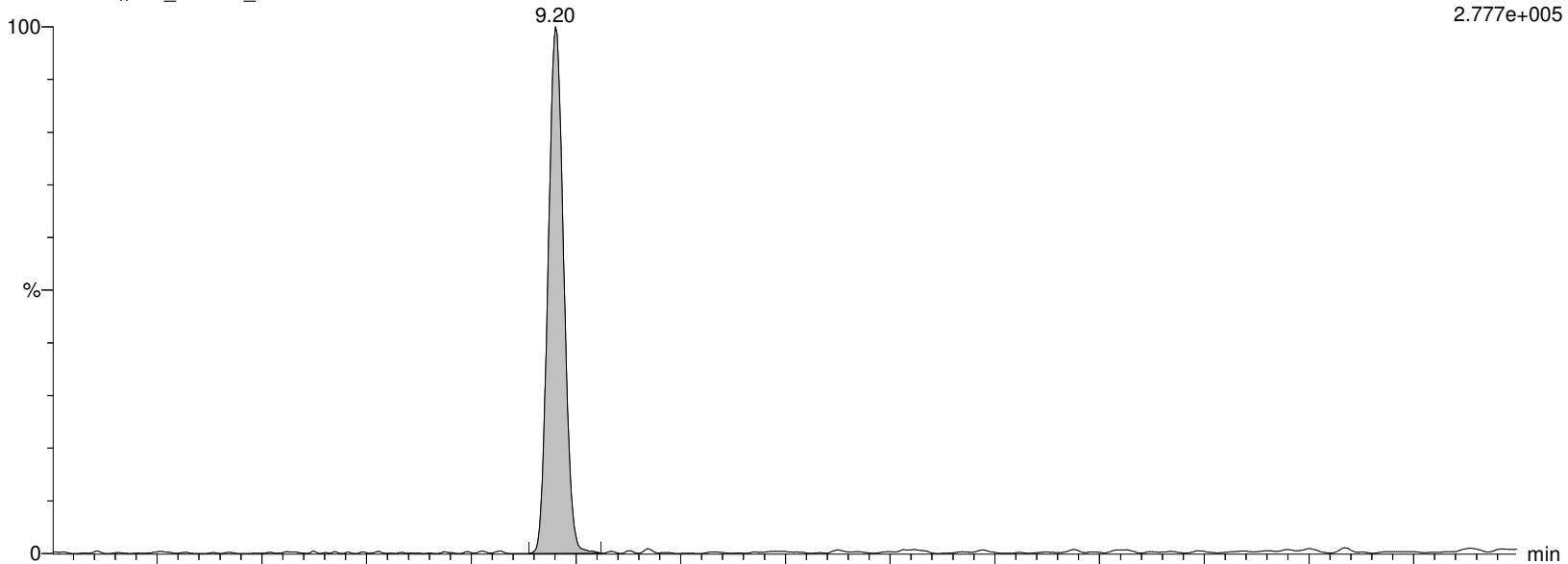
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.777e+005



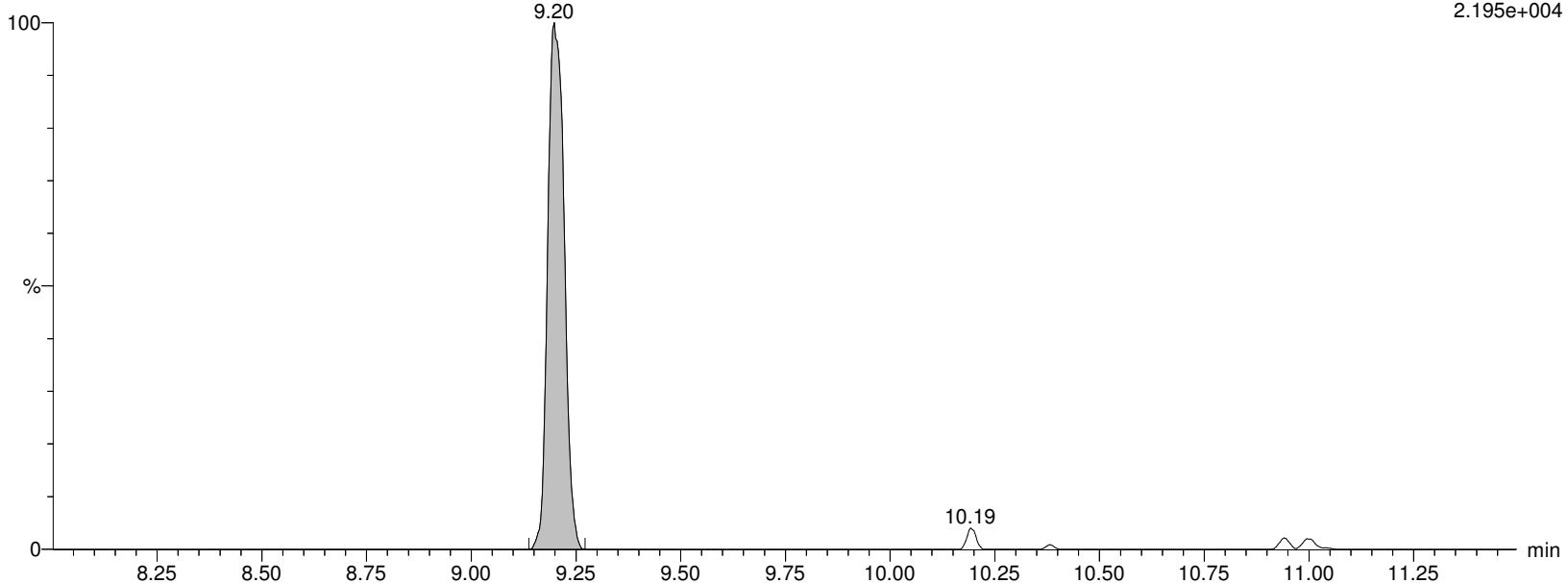
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.195e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

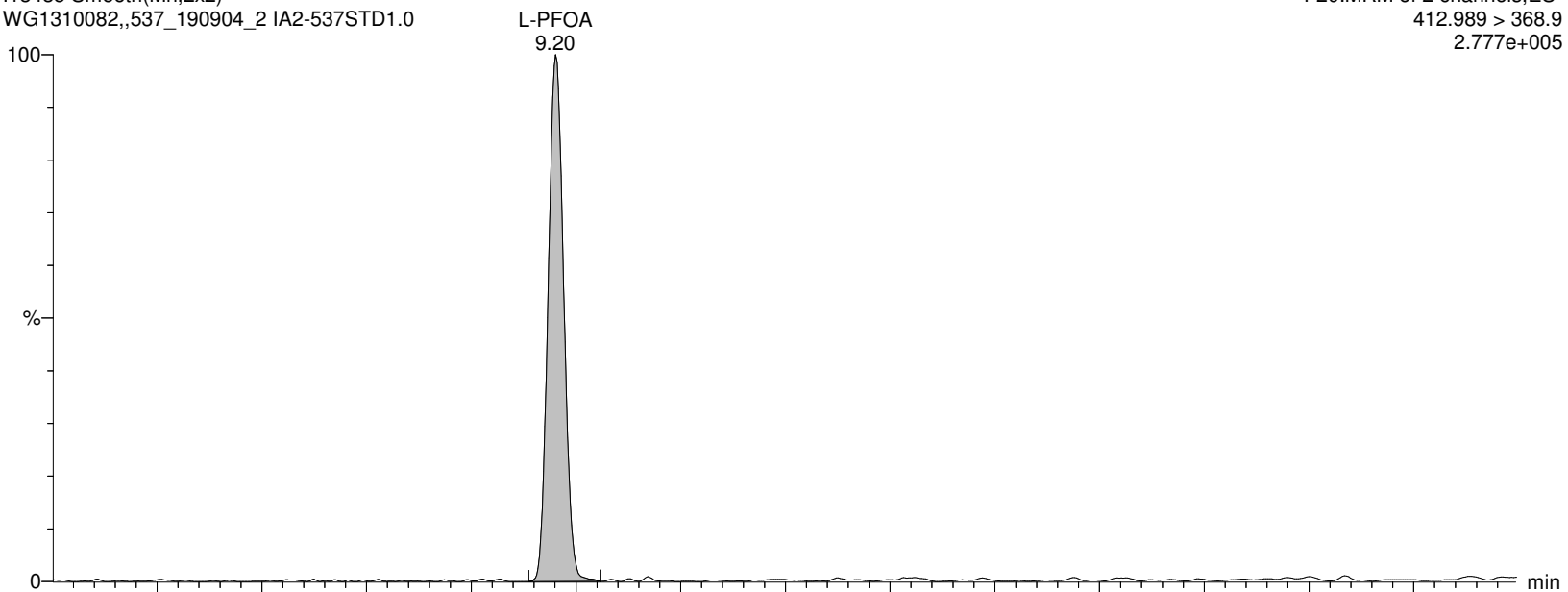
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.777e+005



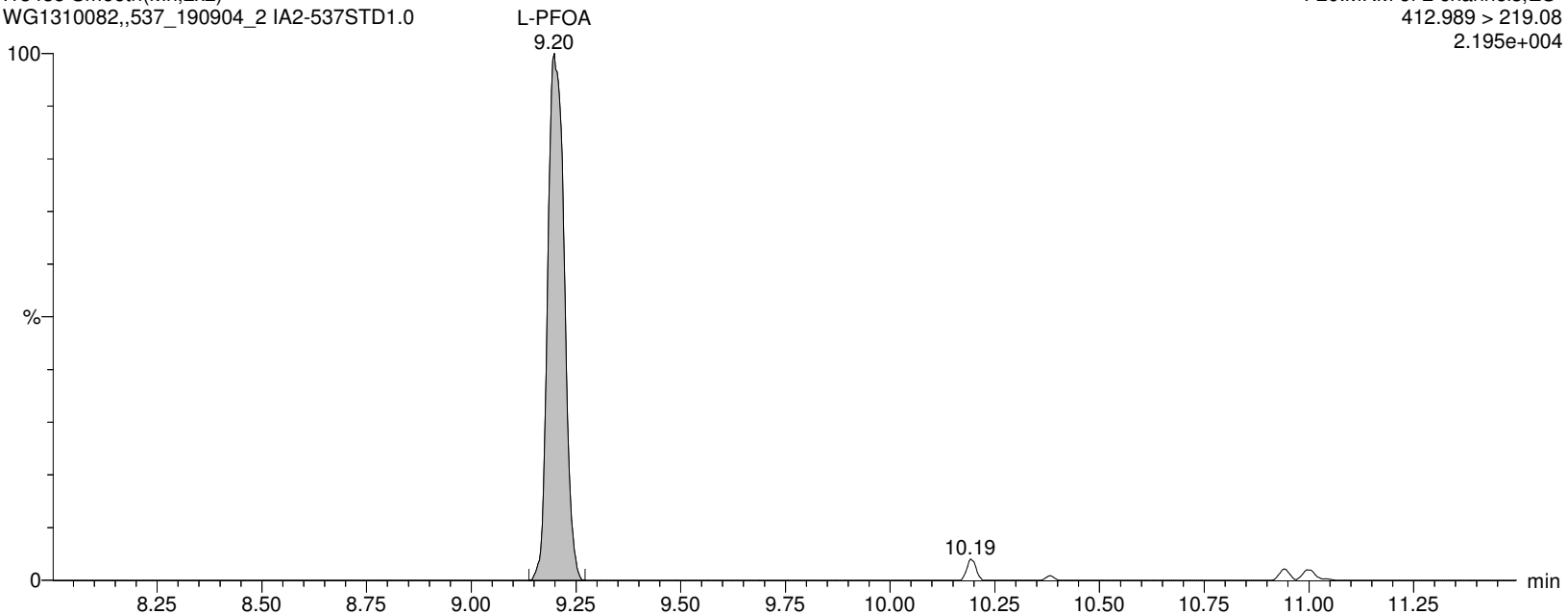
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.195e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

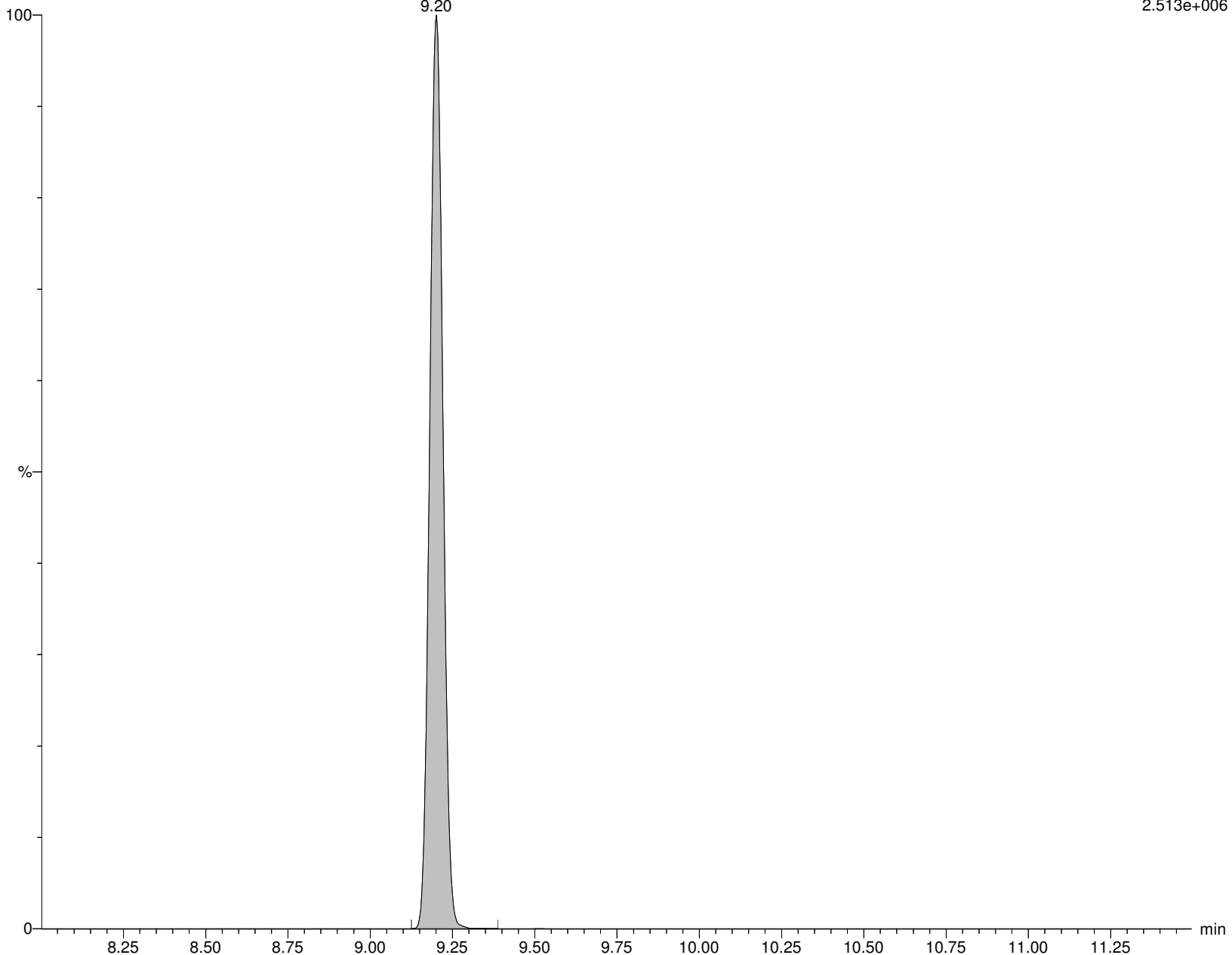
M8PFOA

9.20

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.513e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

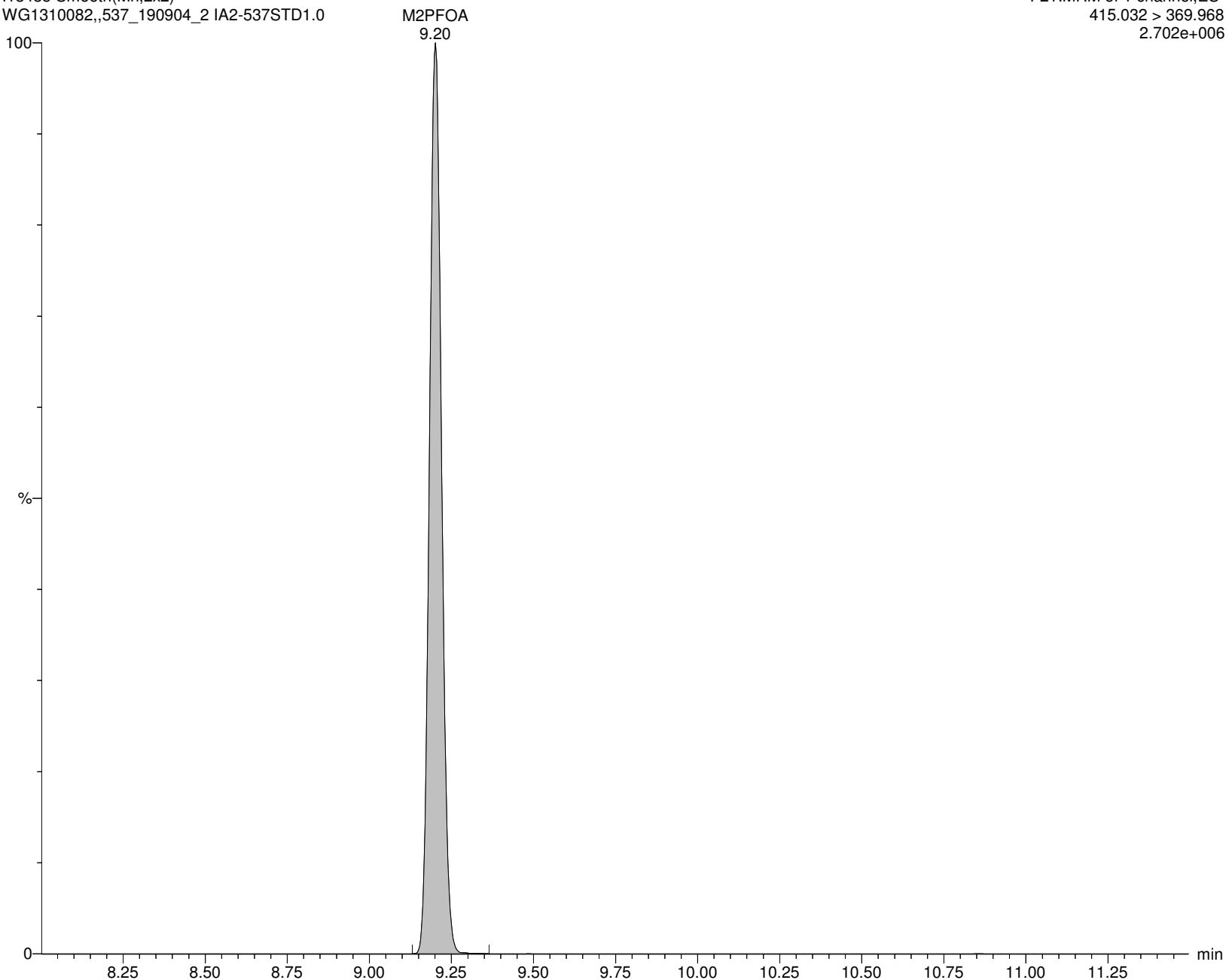
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.702e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

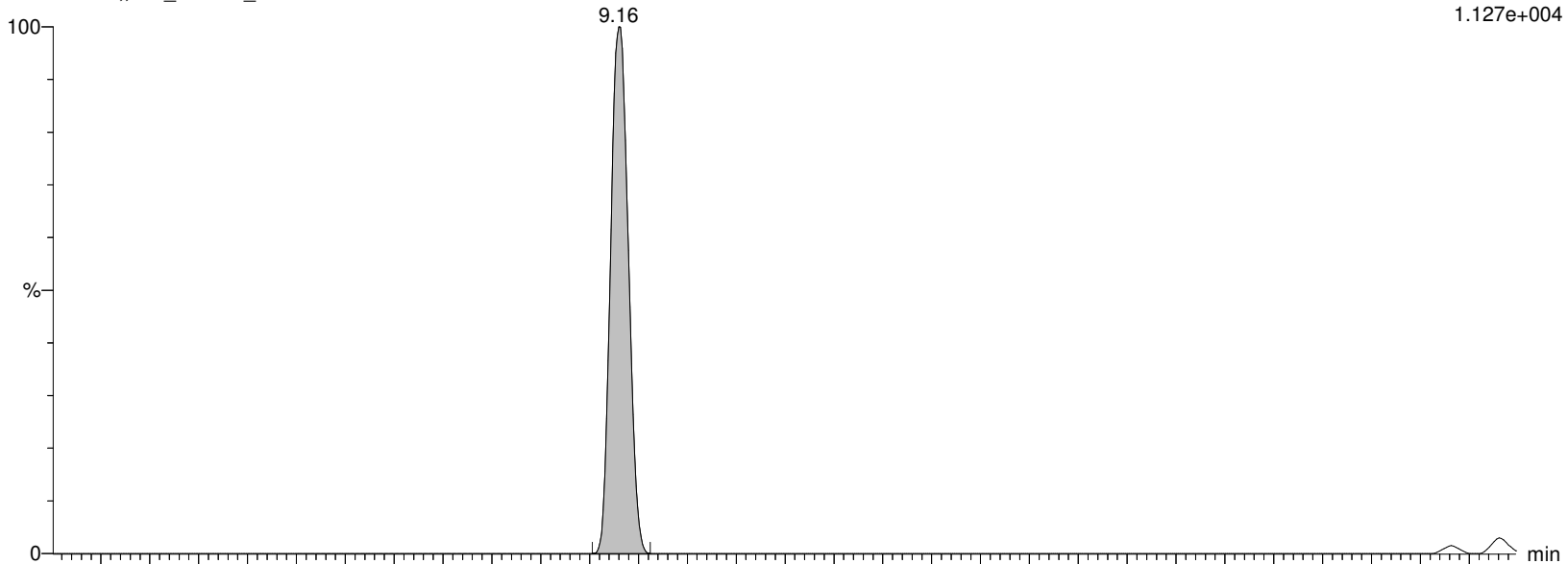
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F23:MRM of 3 channels,ES-

426.989 > 406.921

1.127e+004



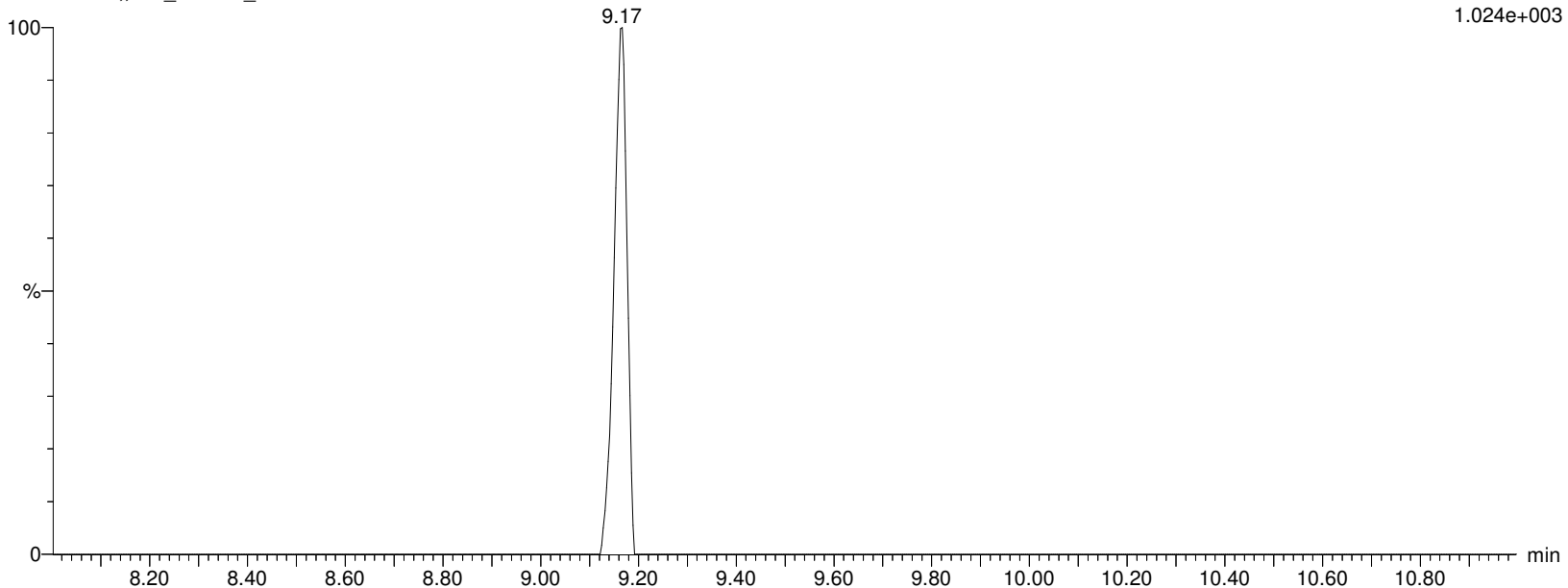
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F23:MRM of 3 channels,ES-

426.862 > 80.5

1.024e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

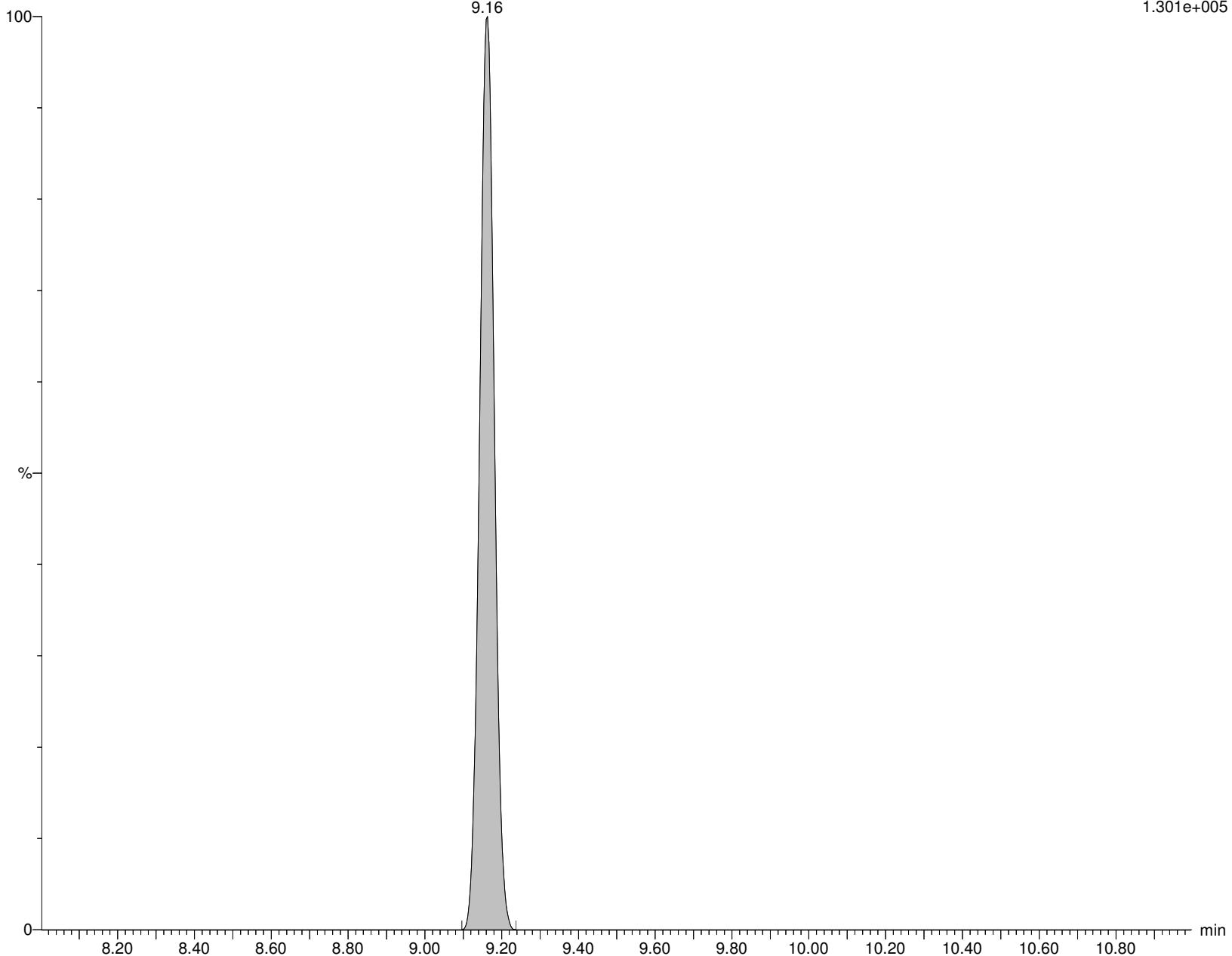
M2-6:2FTS

9.16

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.301e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

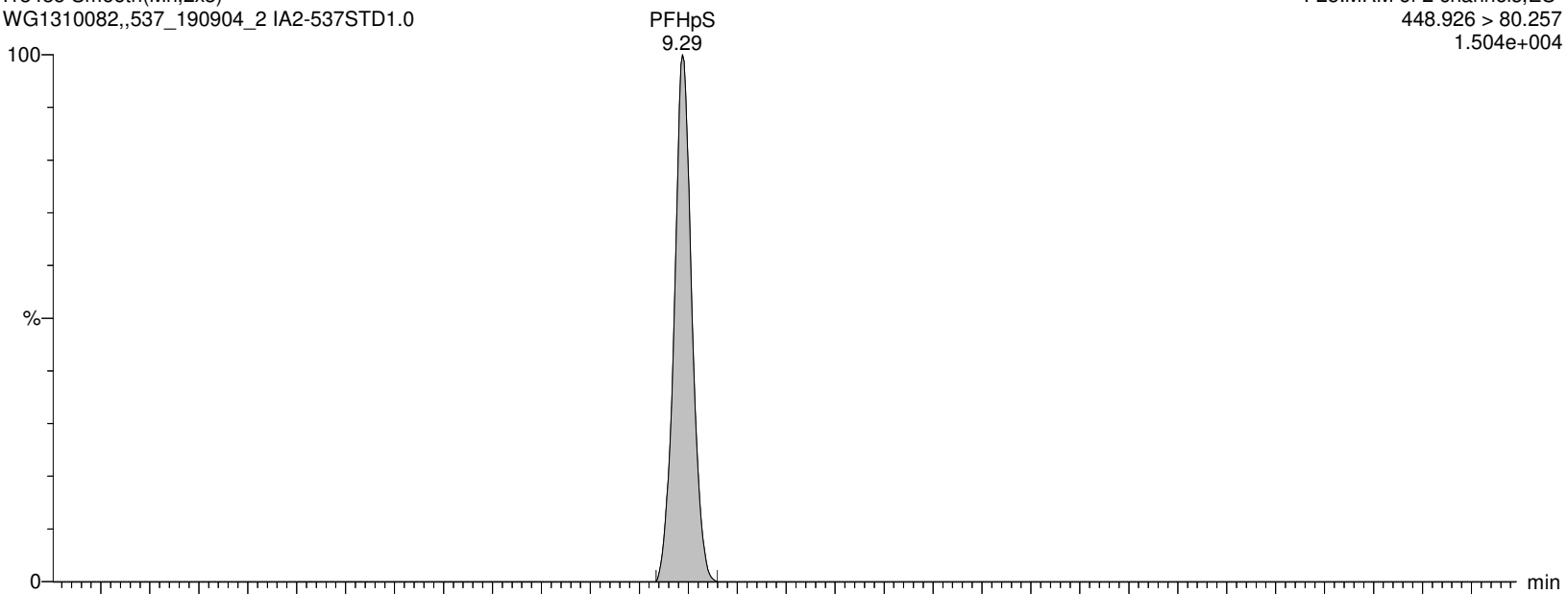
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.504e+004



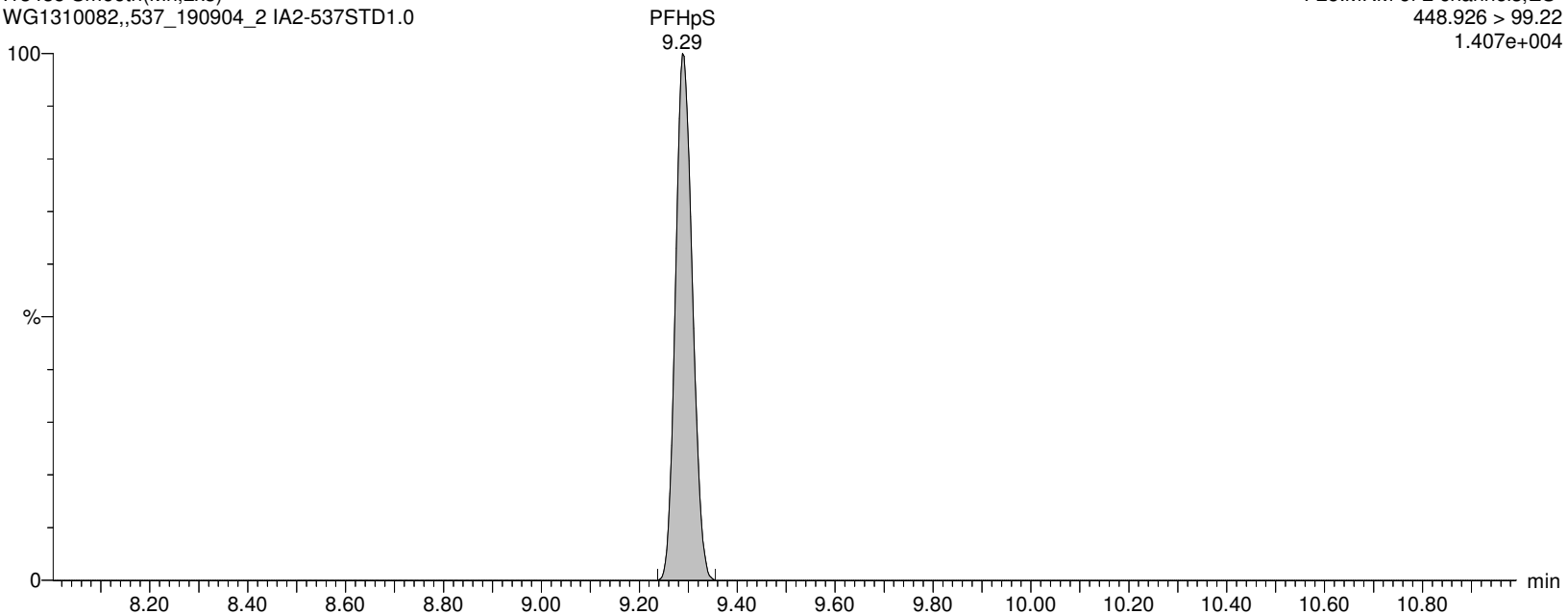
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.407e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

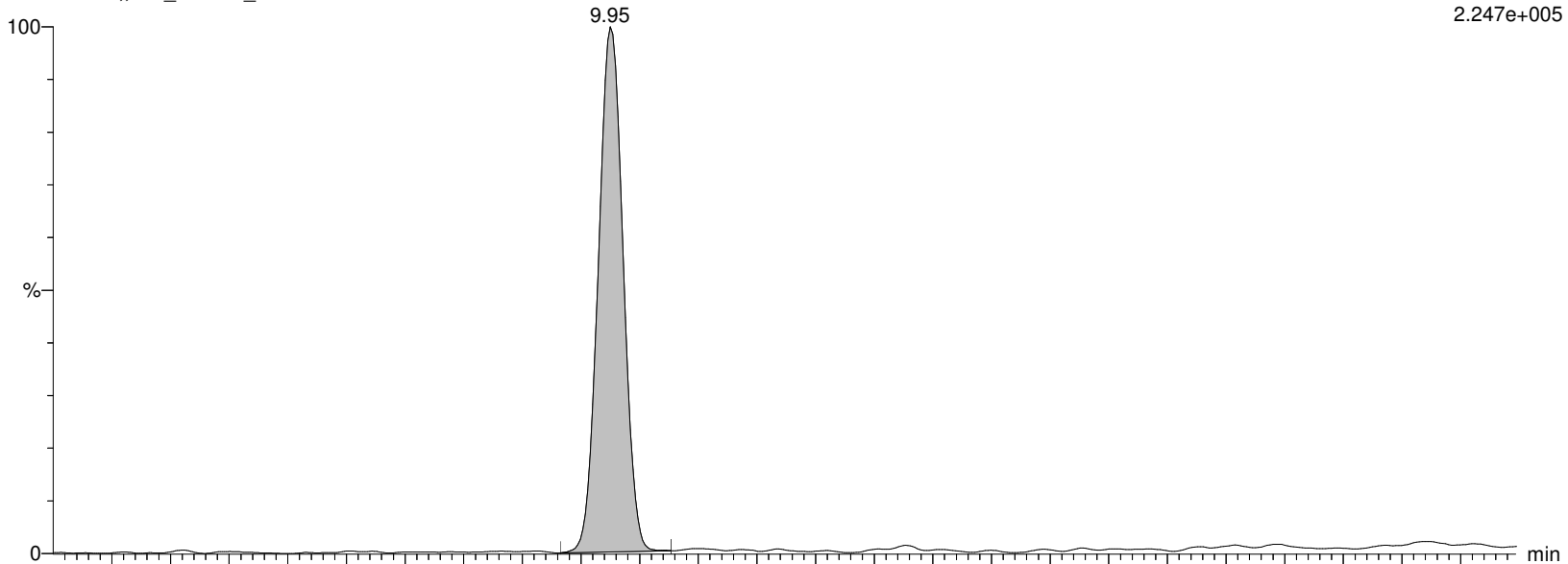
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F26:MRM of 2 channels,ES-

462.989 > 418.931

2.247e+005



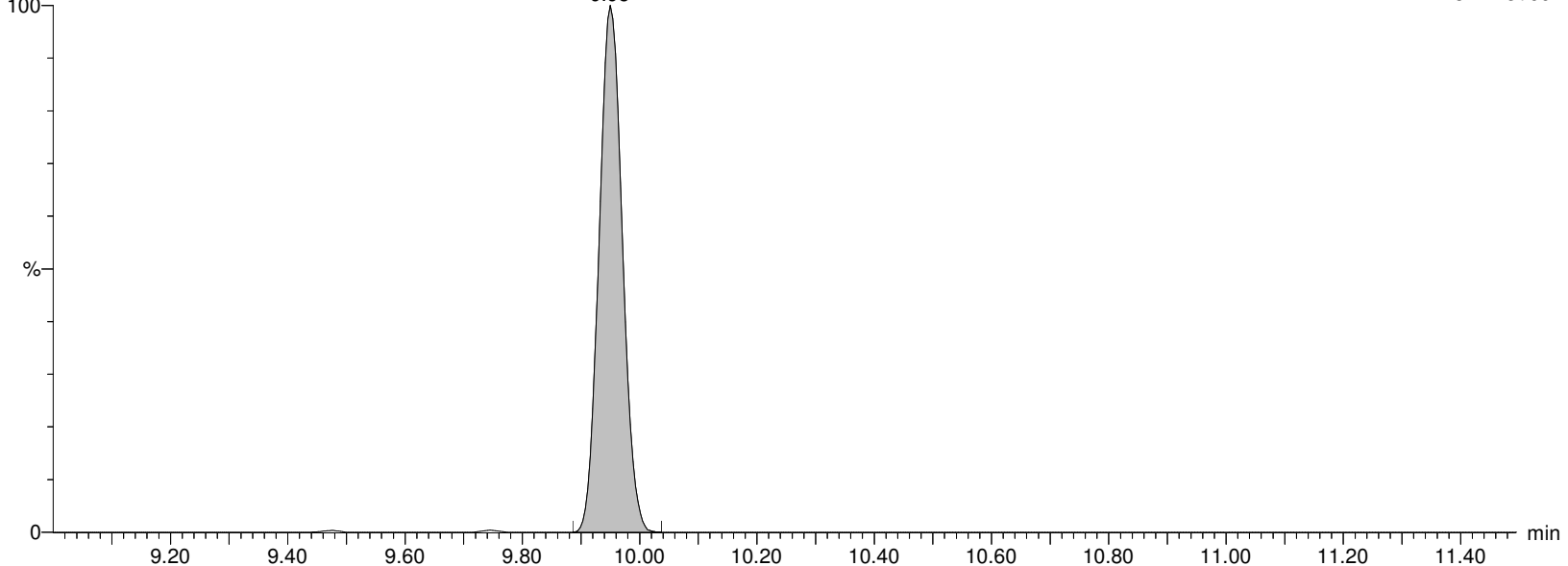
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F26:MRM of 2 channels,ES-

462.989 > 219.04

5.172e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

I13435 Smooth(Mn,2x3)

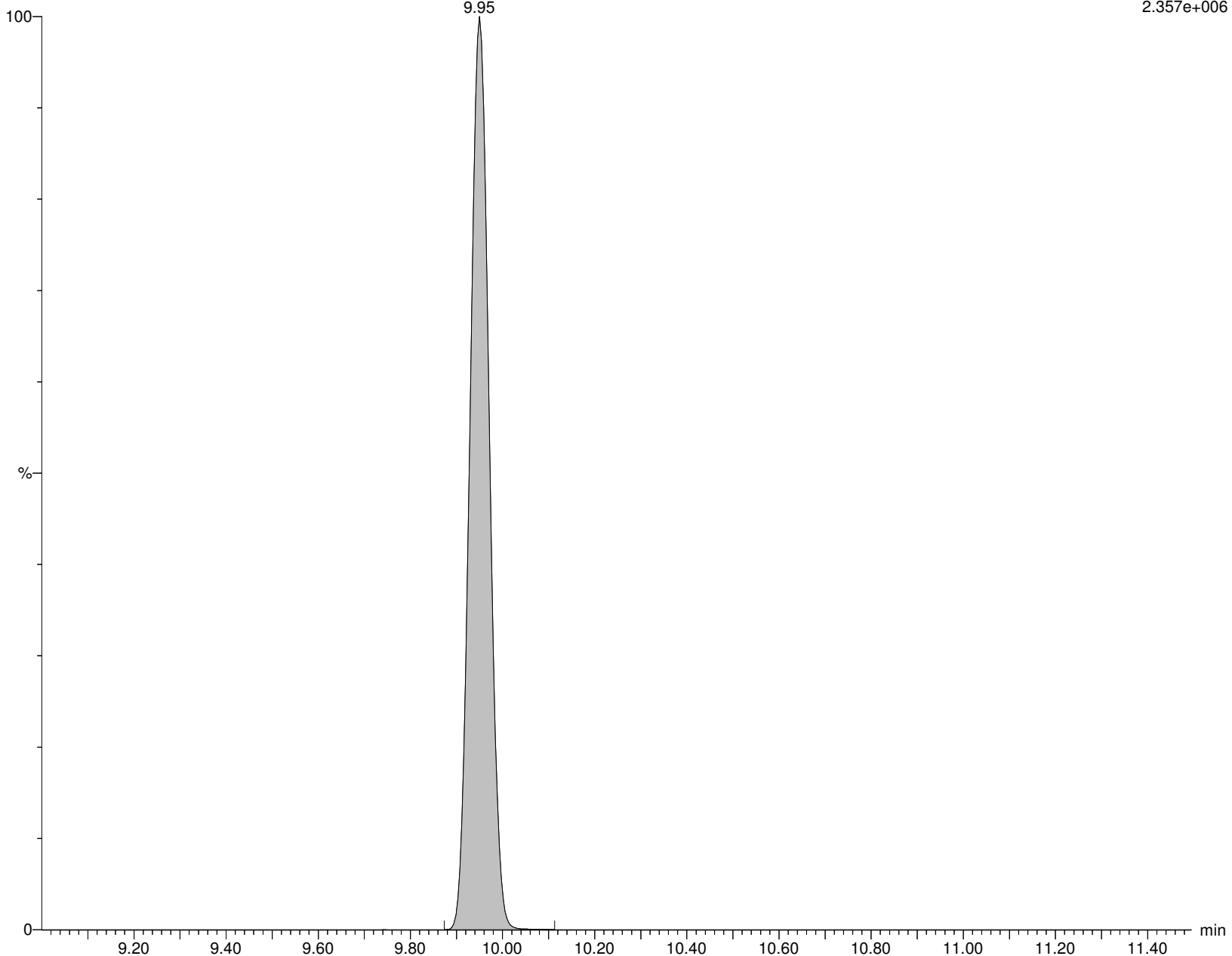
WG1310082,,537_190904_2 IA2-537STD1.0

M9PFNA
9.95

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.357e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

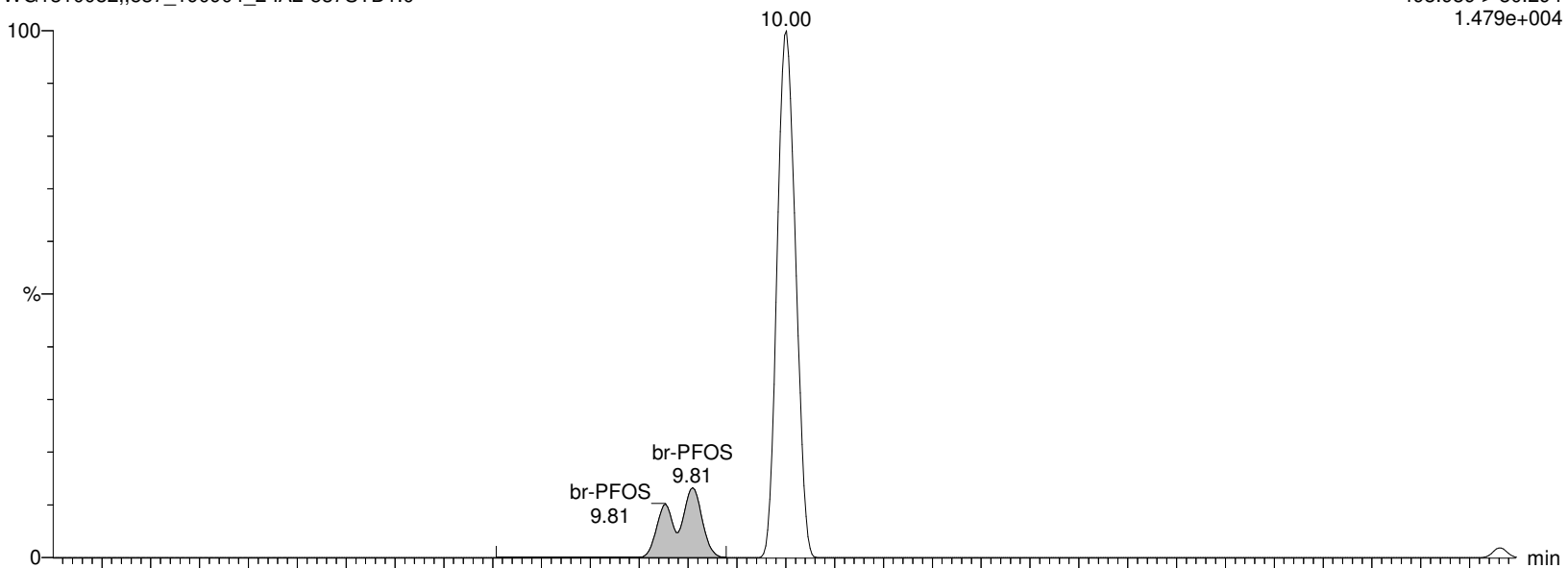
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.479e+004



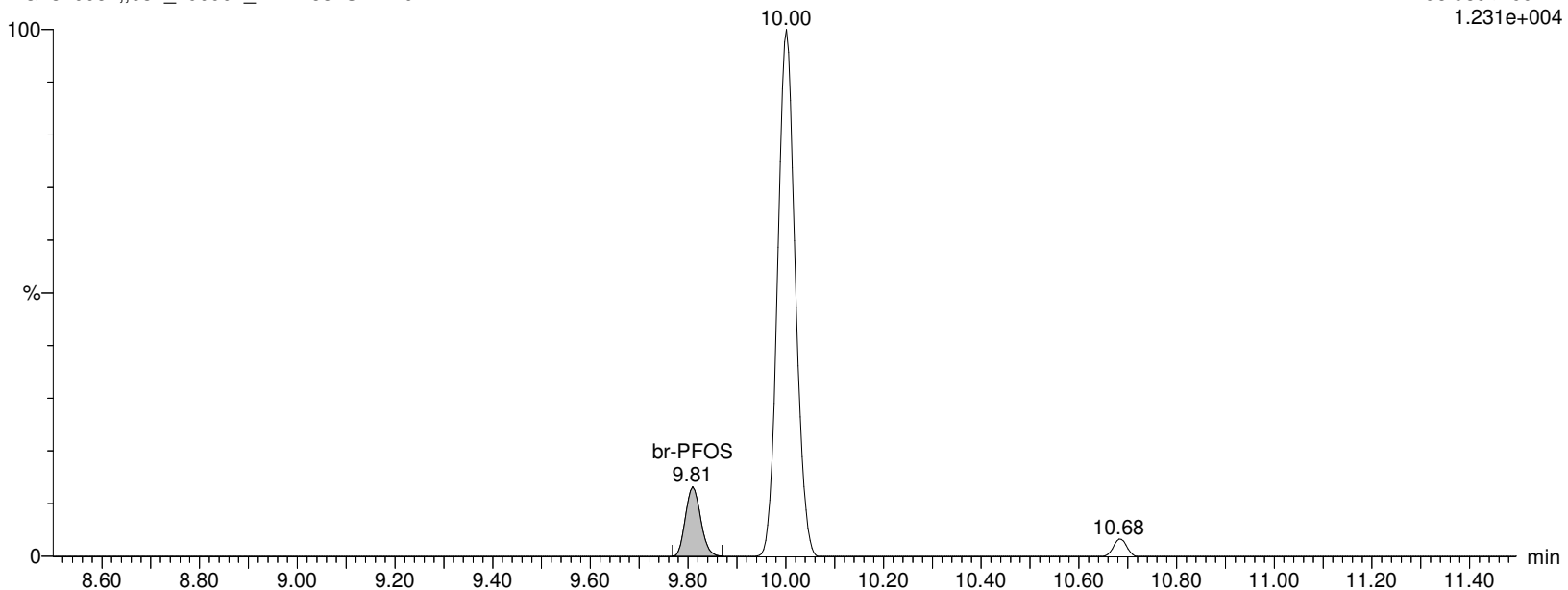
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.231e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

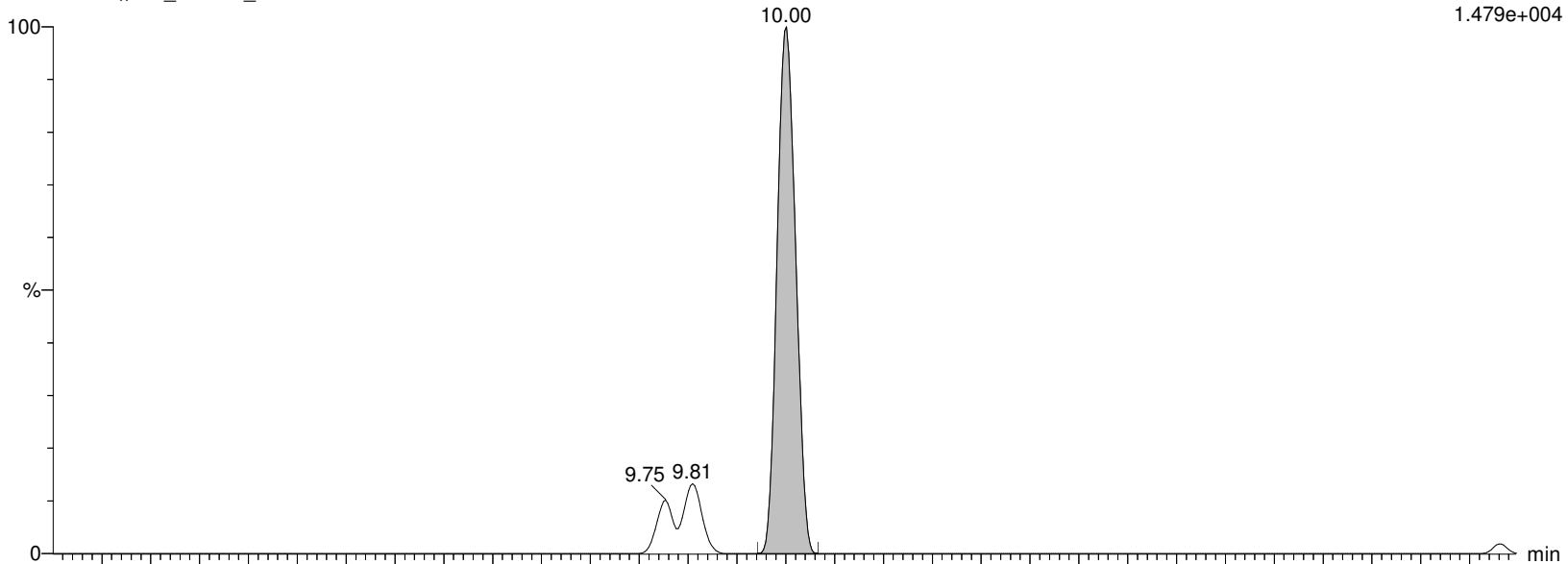
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.479e+004



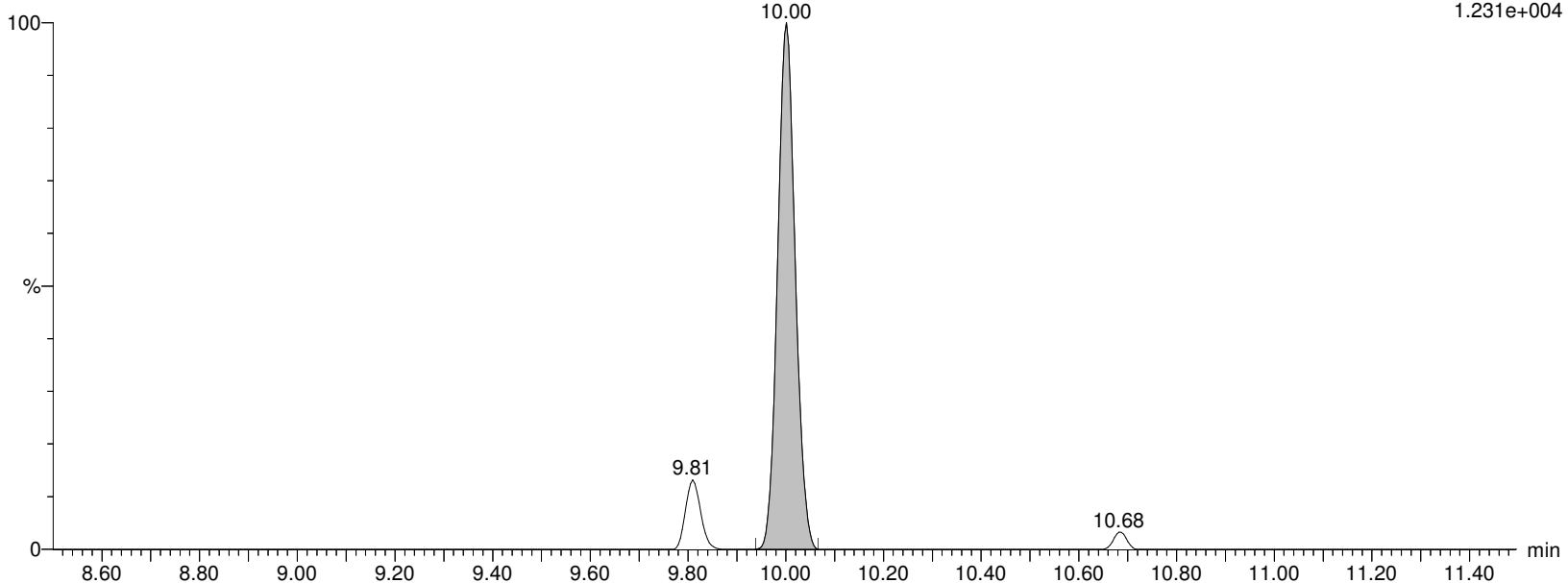
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.231e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

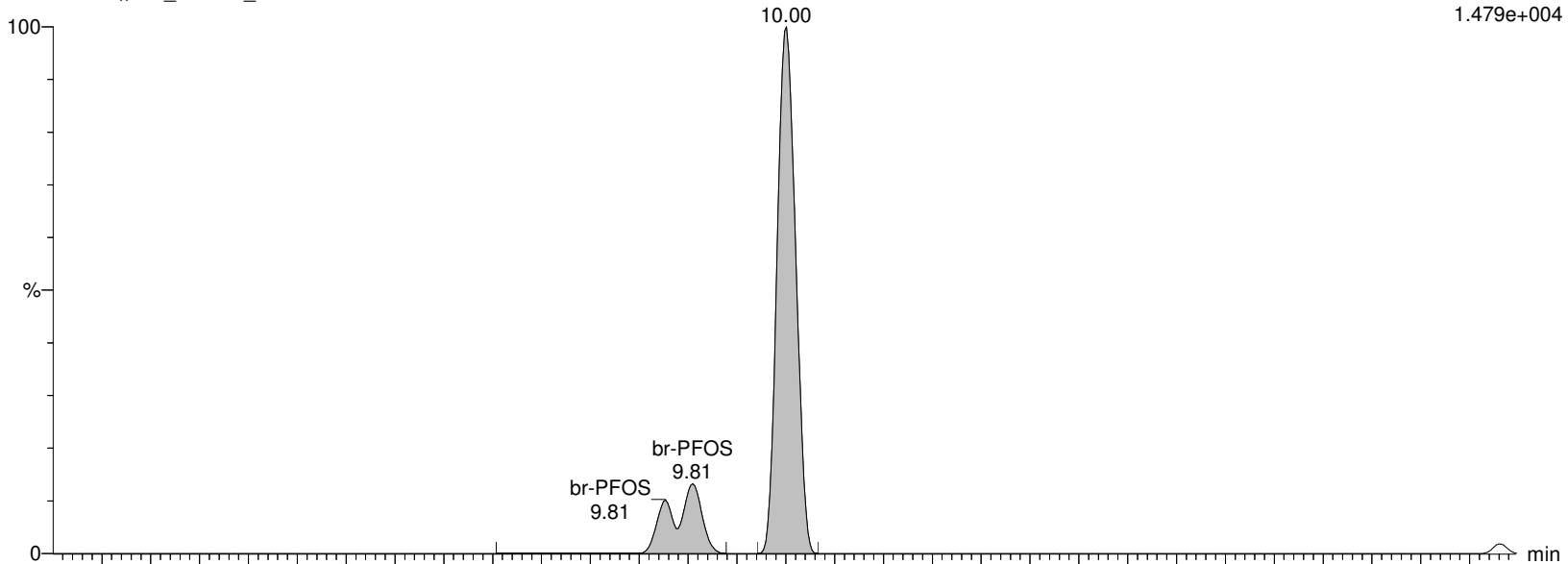
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WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.479e+004



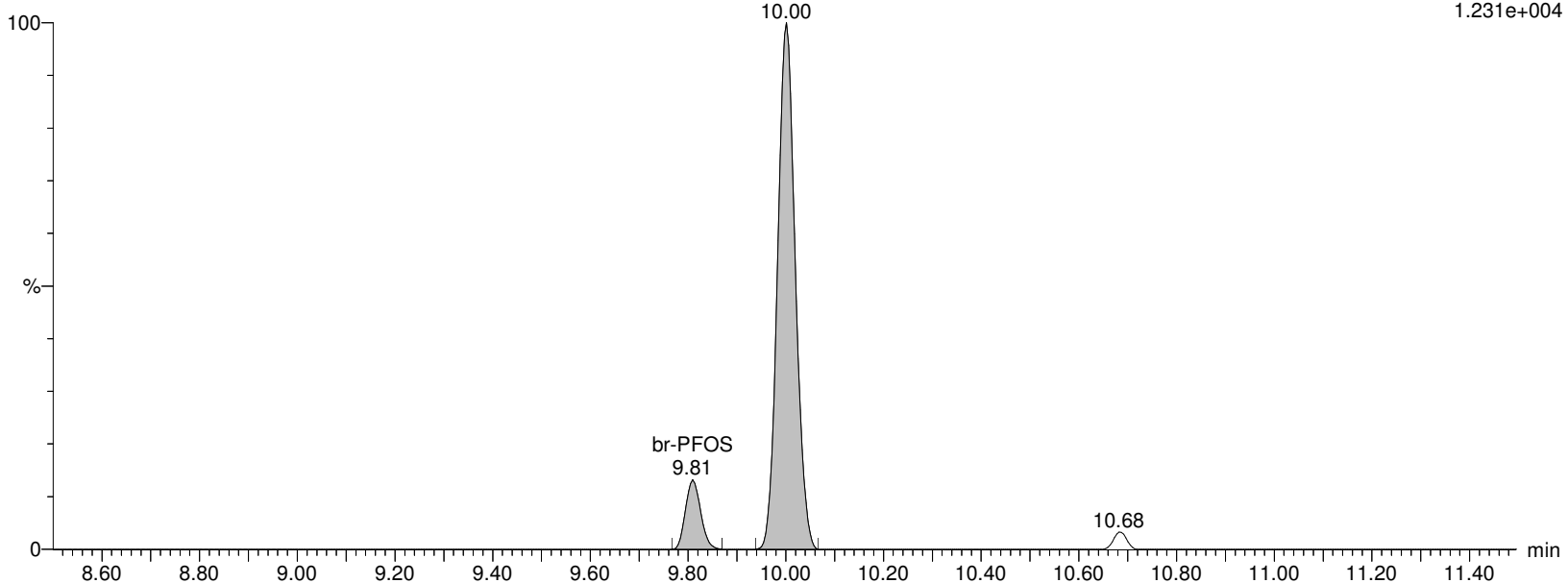
I13435 Smooth(Mn,3x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.231e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

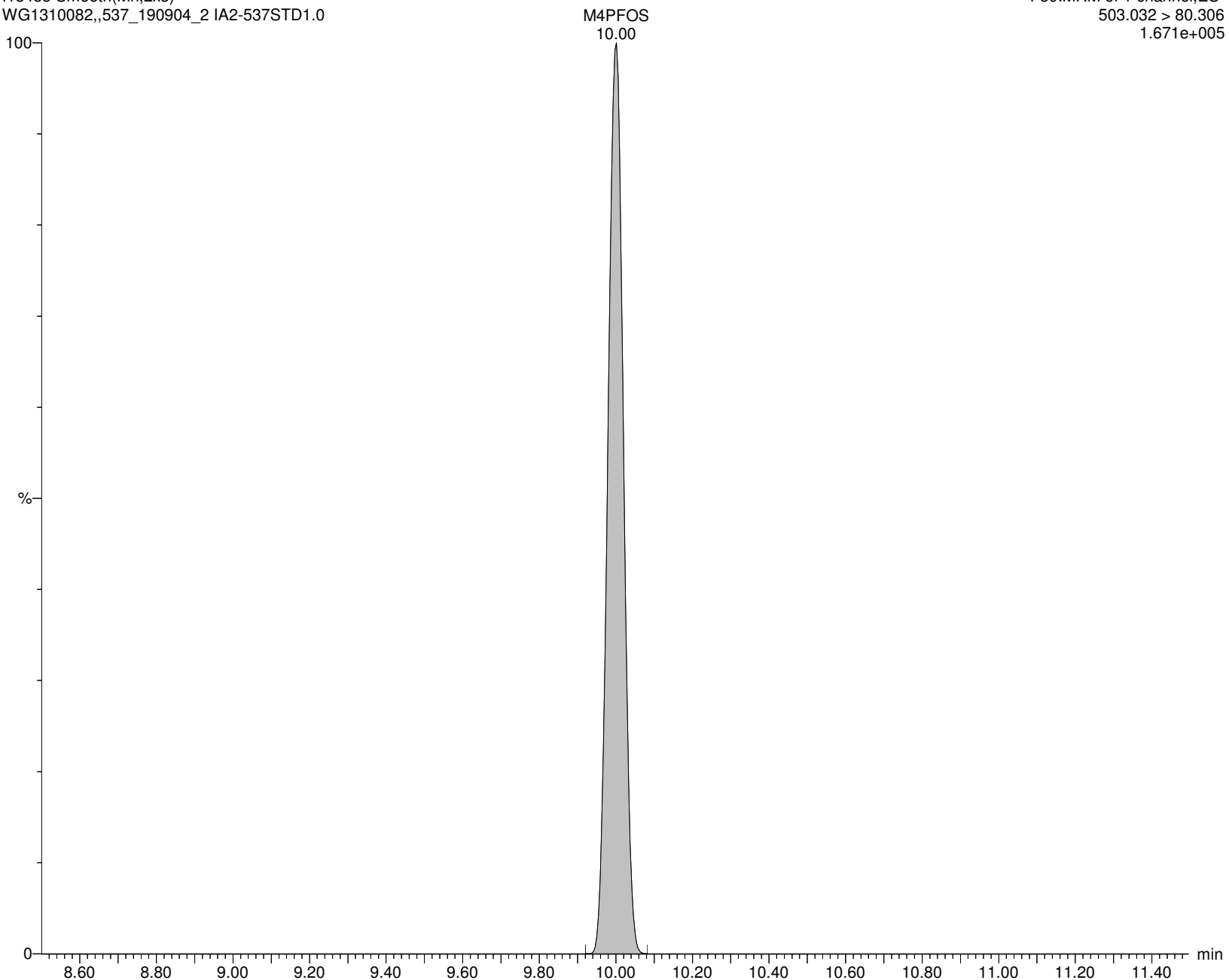
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.671e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

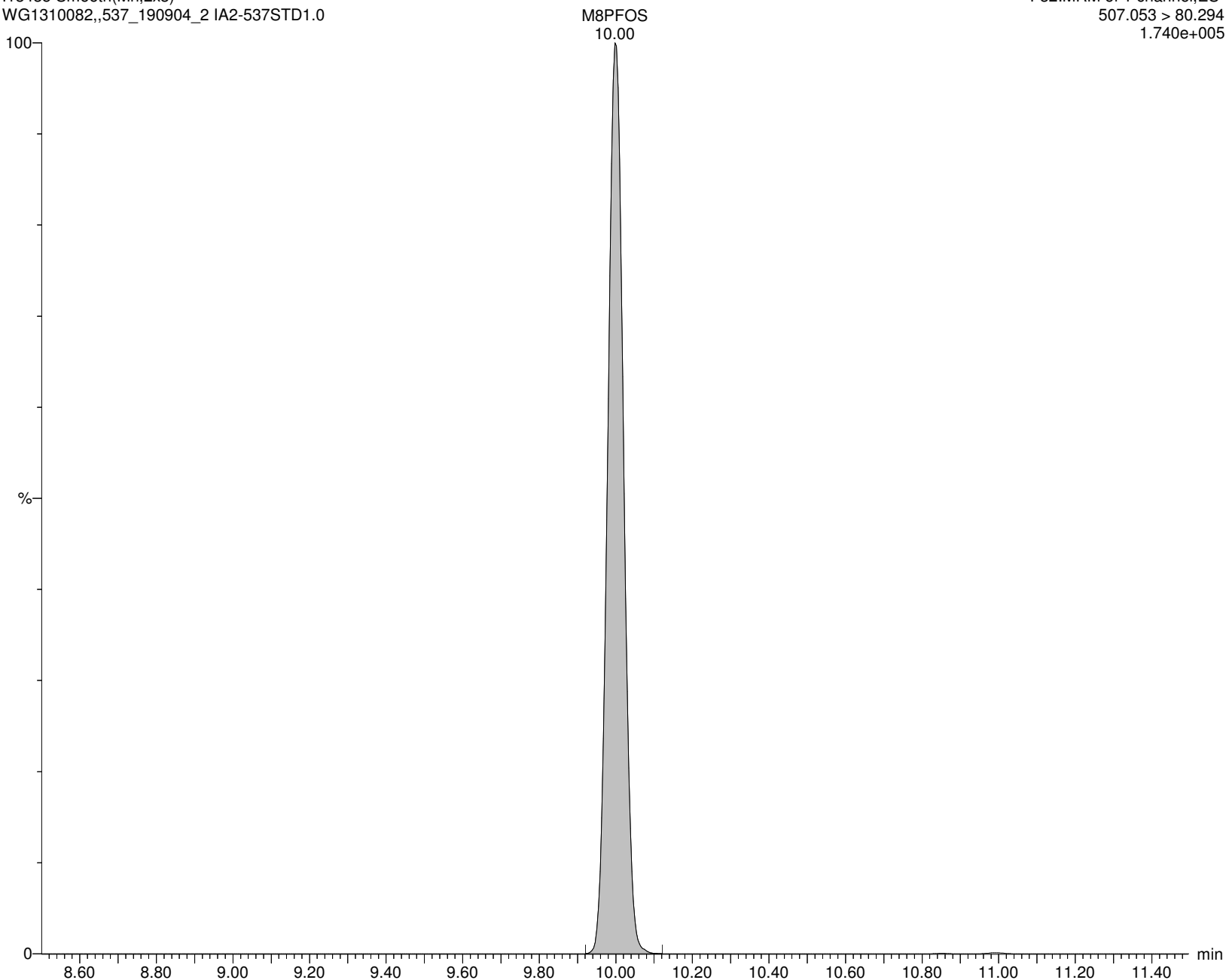
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.740e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

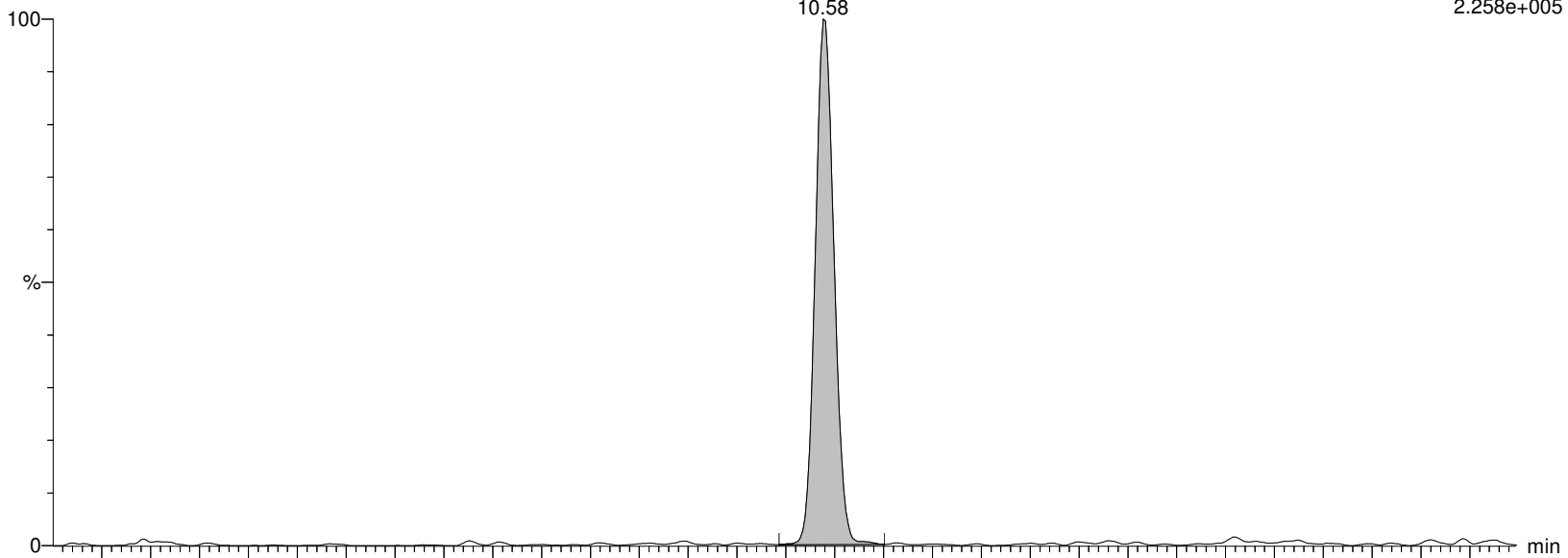
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F34:MRM of 2 channels,ES-

513.053 > 468.906

2.258e+005



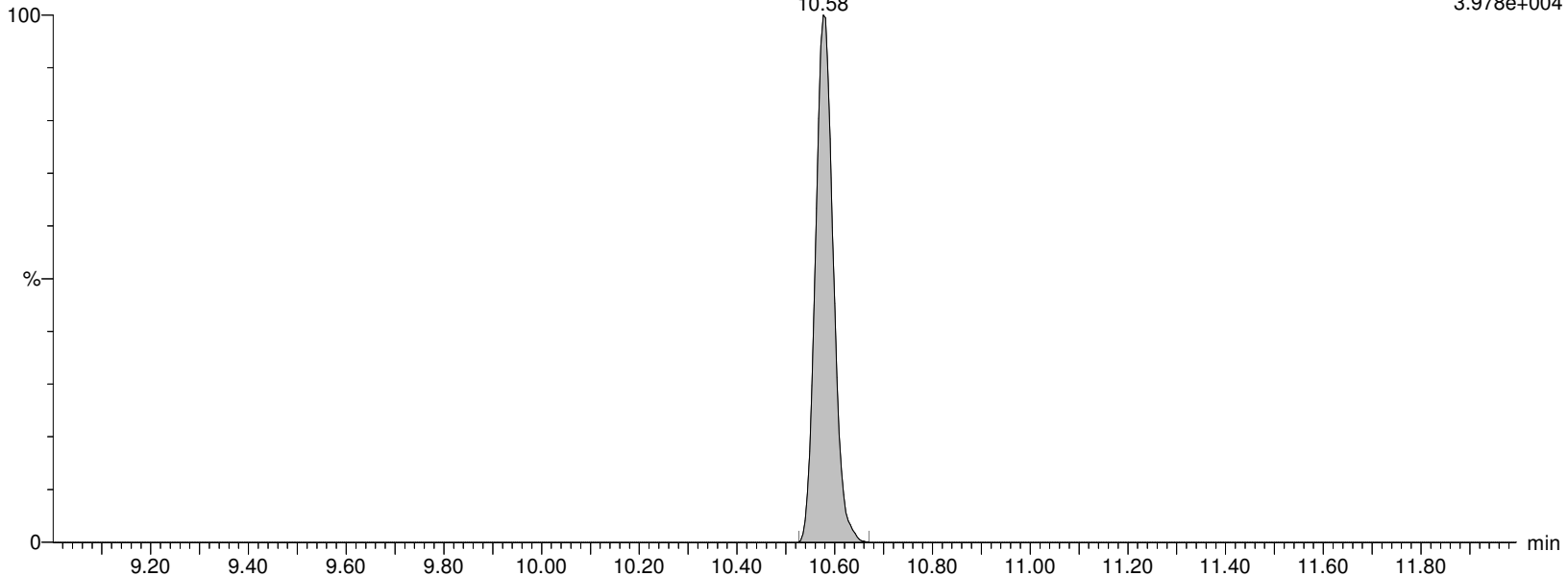
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F34:MRM of 2 channels,ES-

513.053 > 219.08

3.978e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

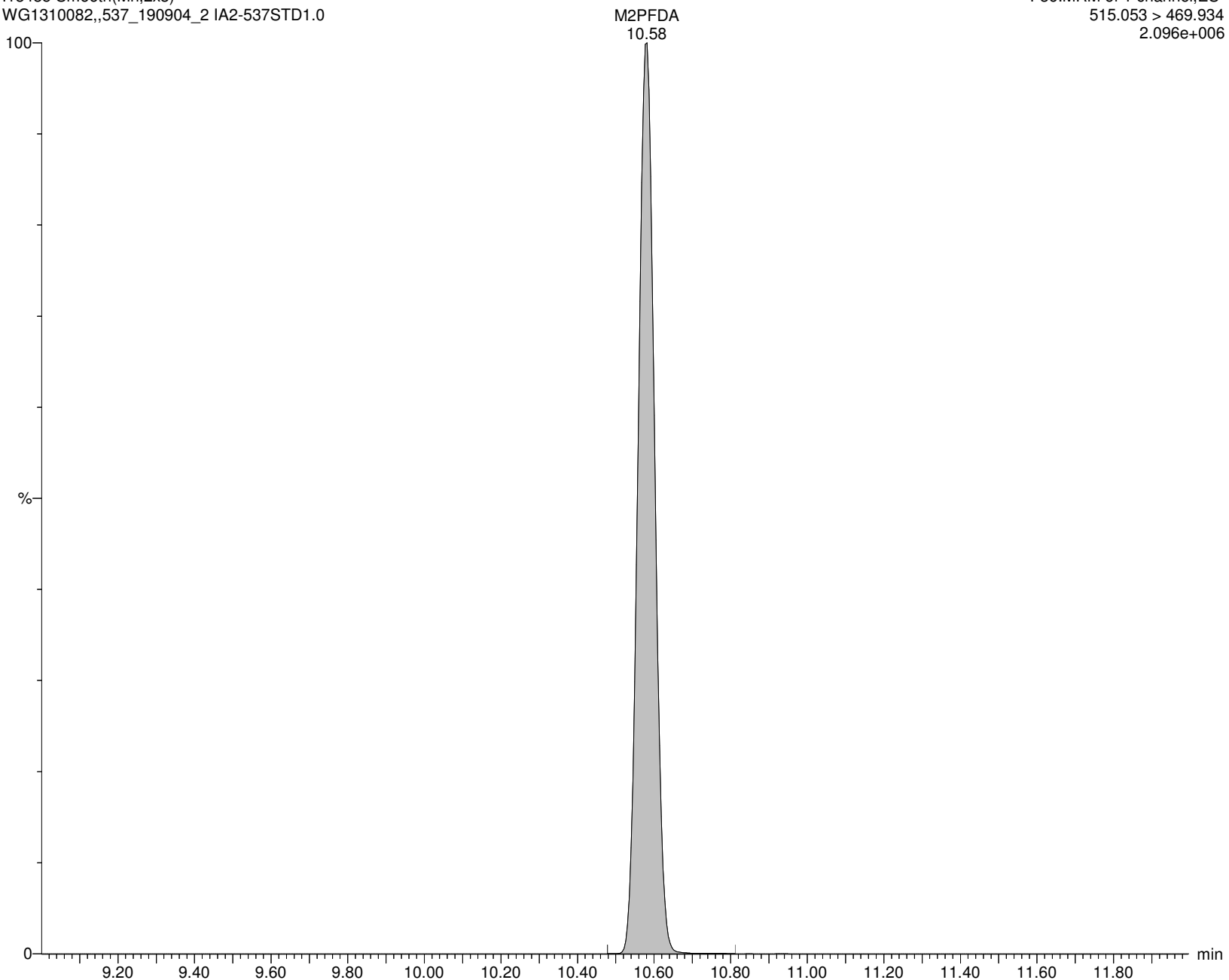
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.096e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

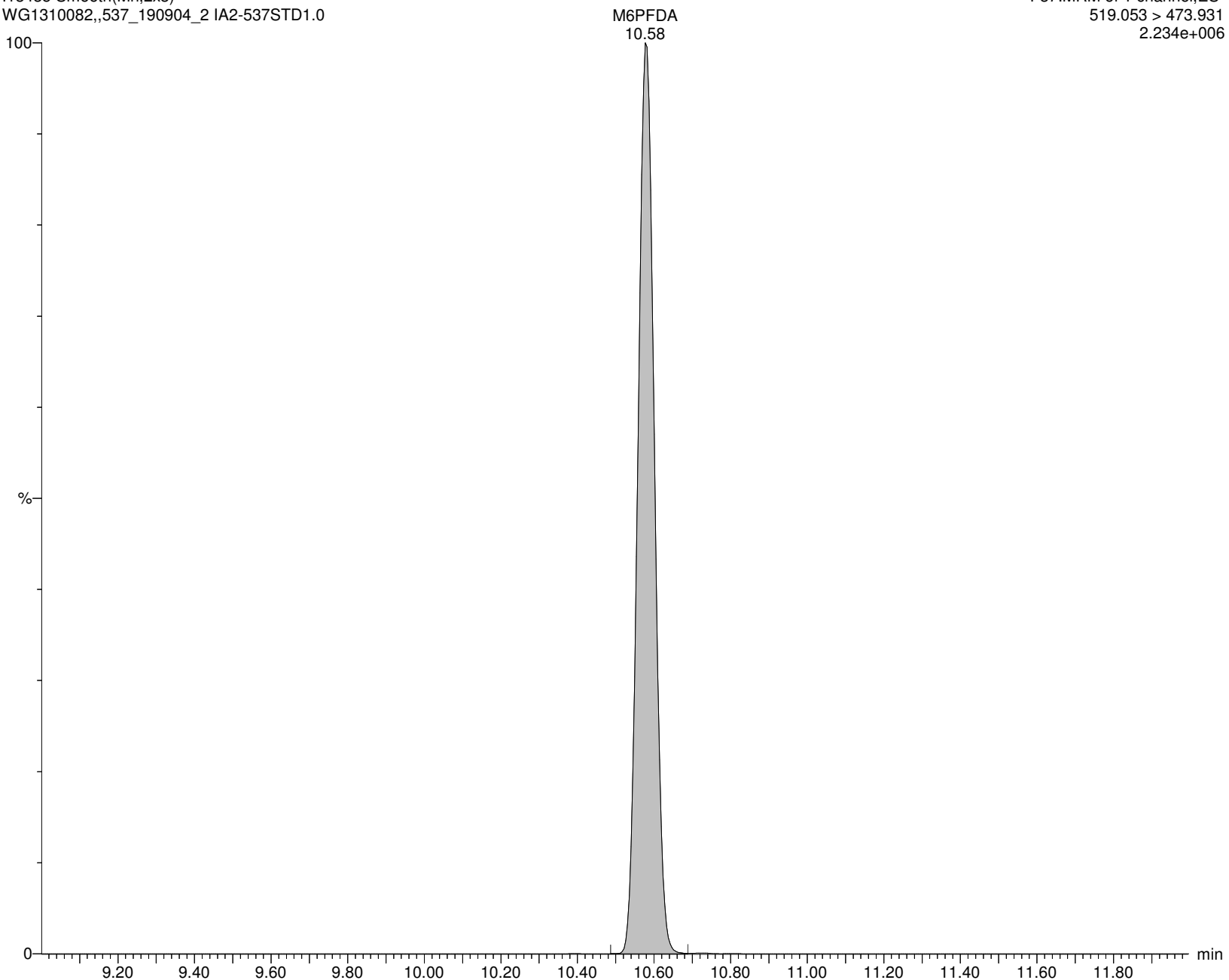
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.234e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

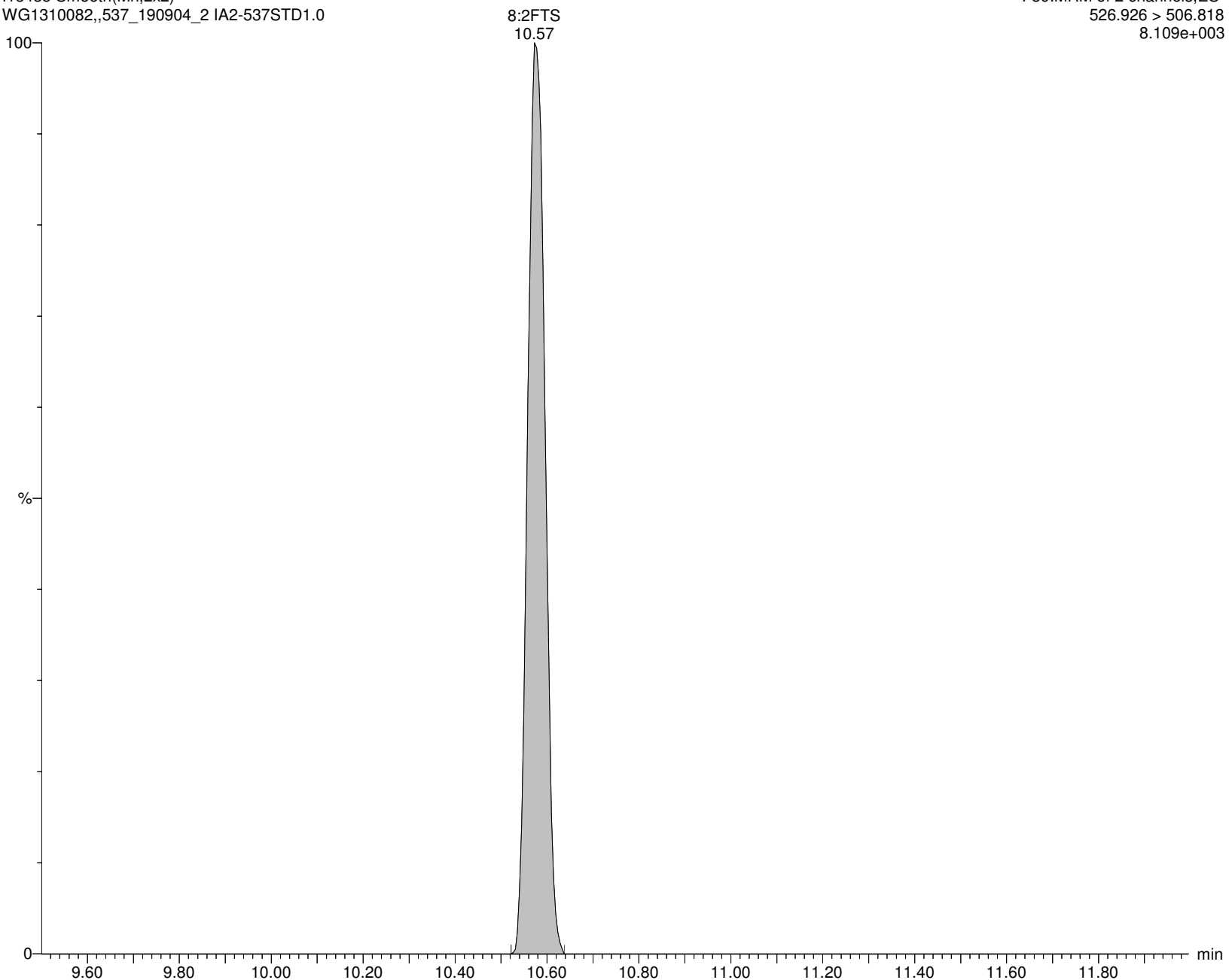
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F39:MRM of 2 channels,ES-

526.926 > 506.818

8.109e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

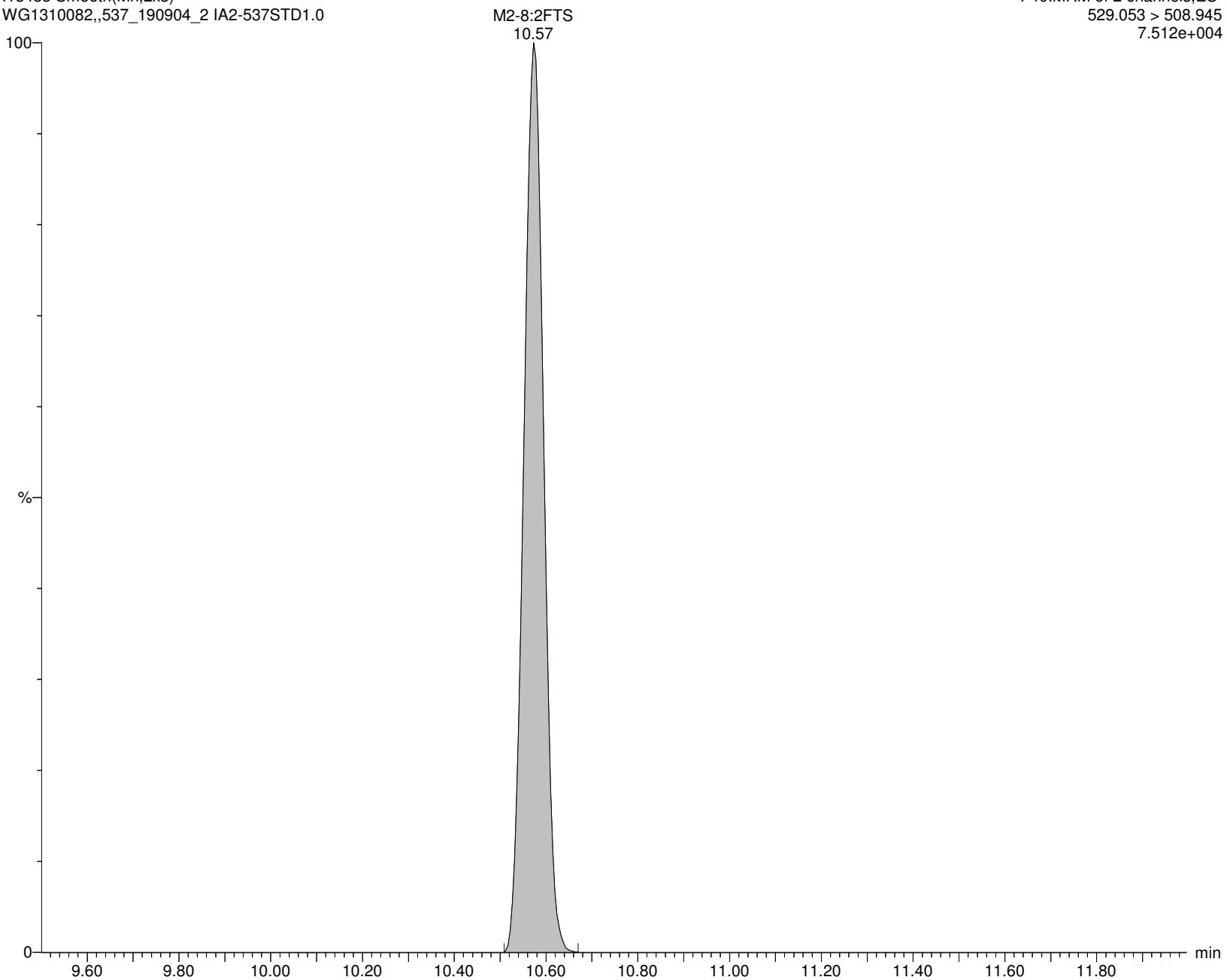
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F40:MRM of 2 channels,ES-

529.053 > 508.945

7.512e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

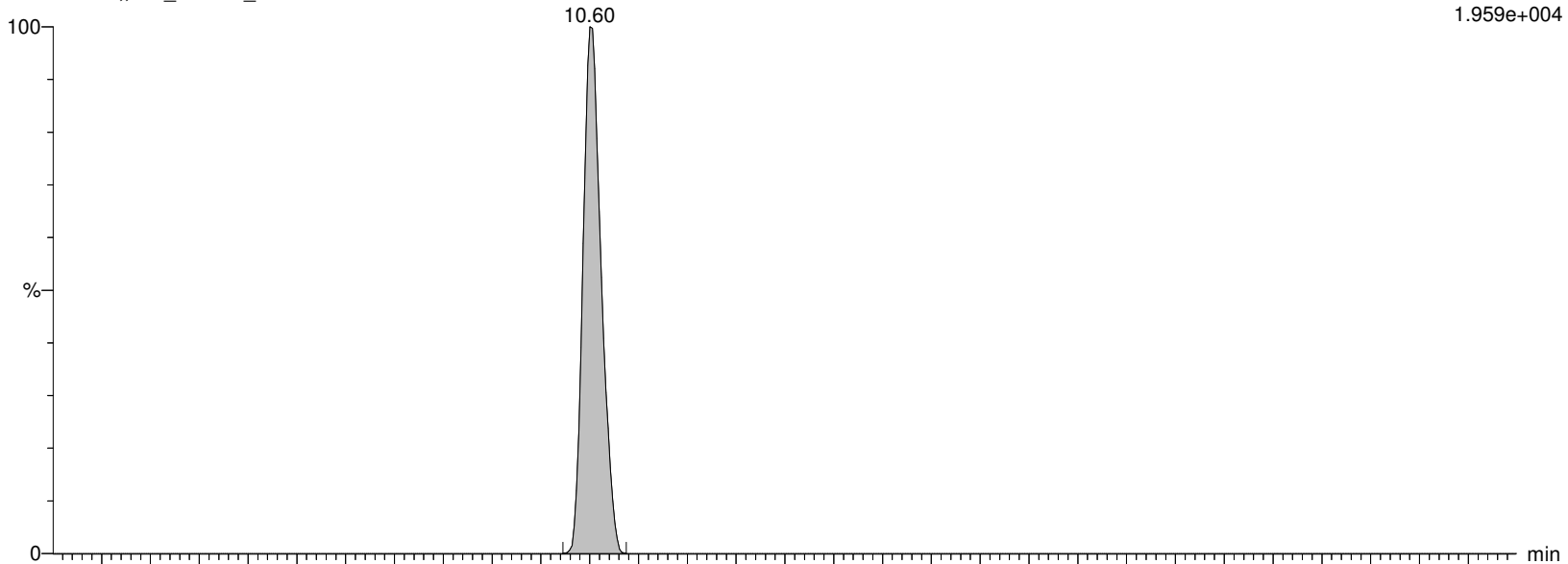
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

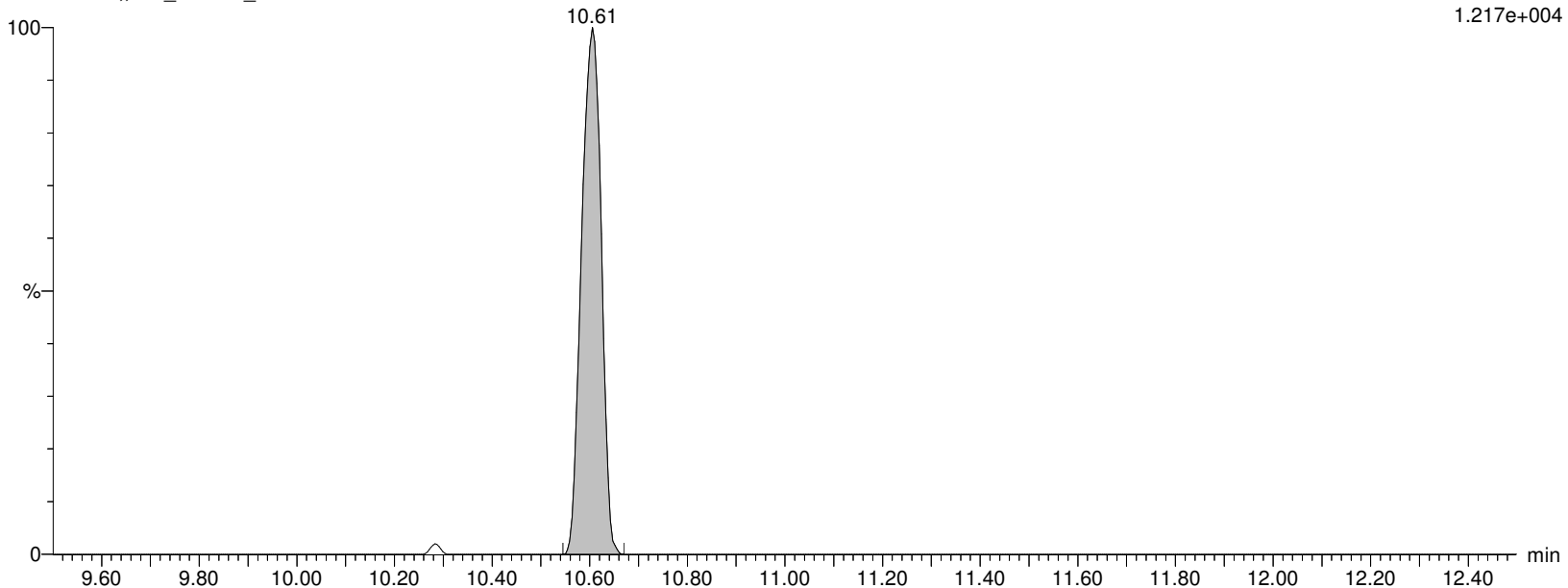
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0



I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

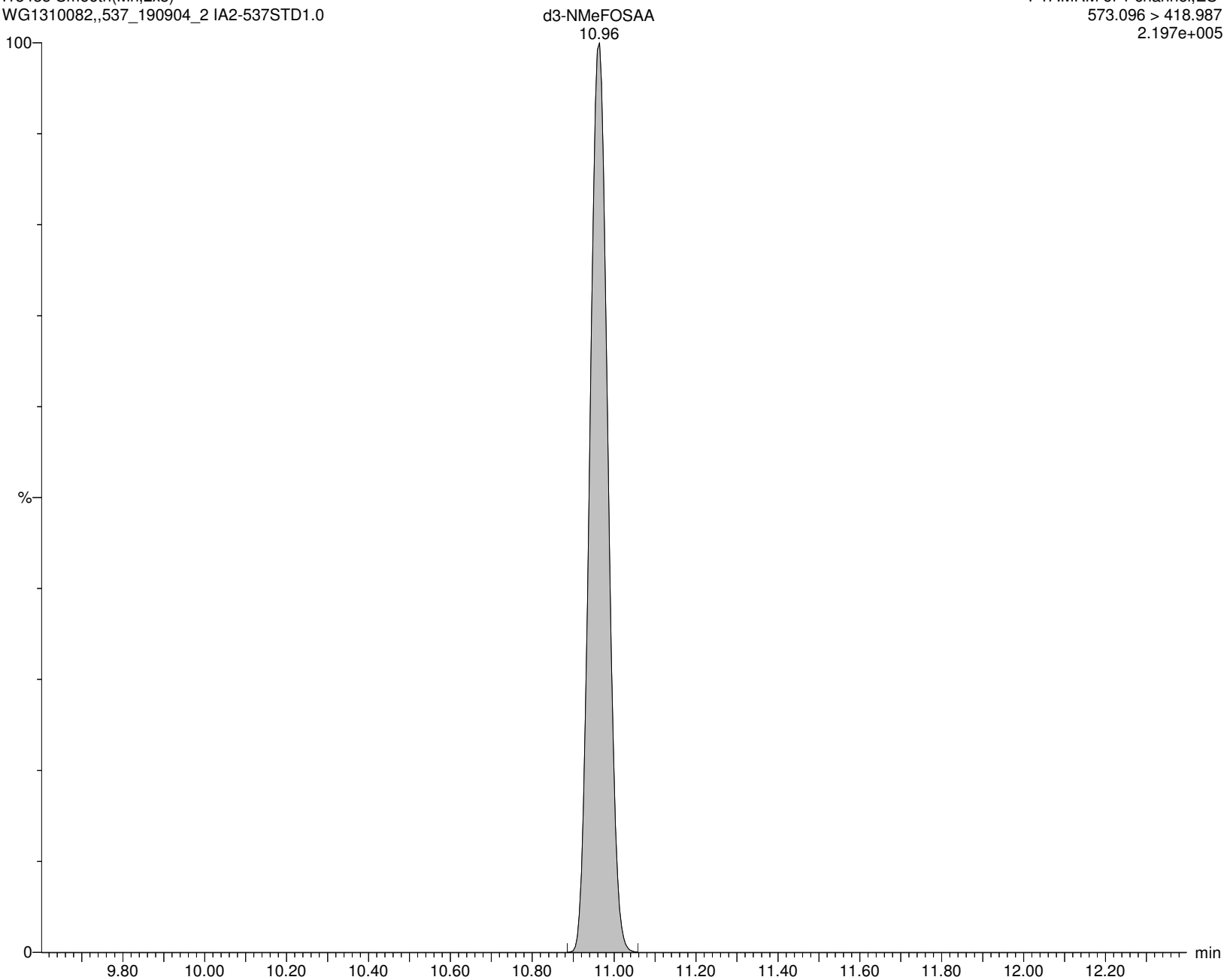
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.197e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

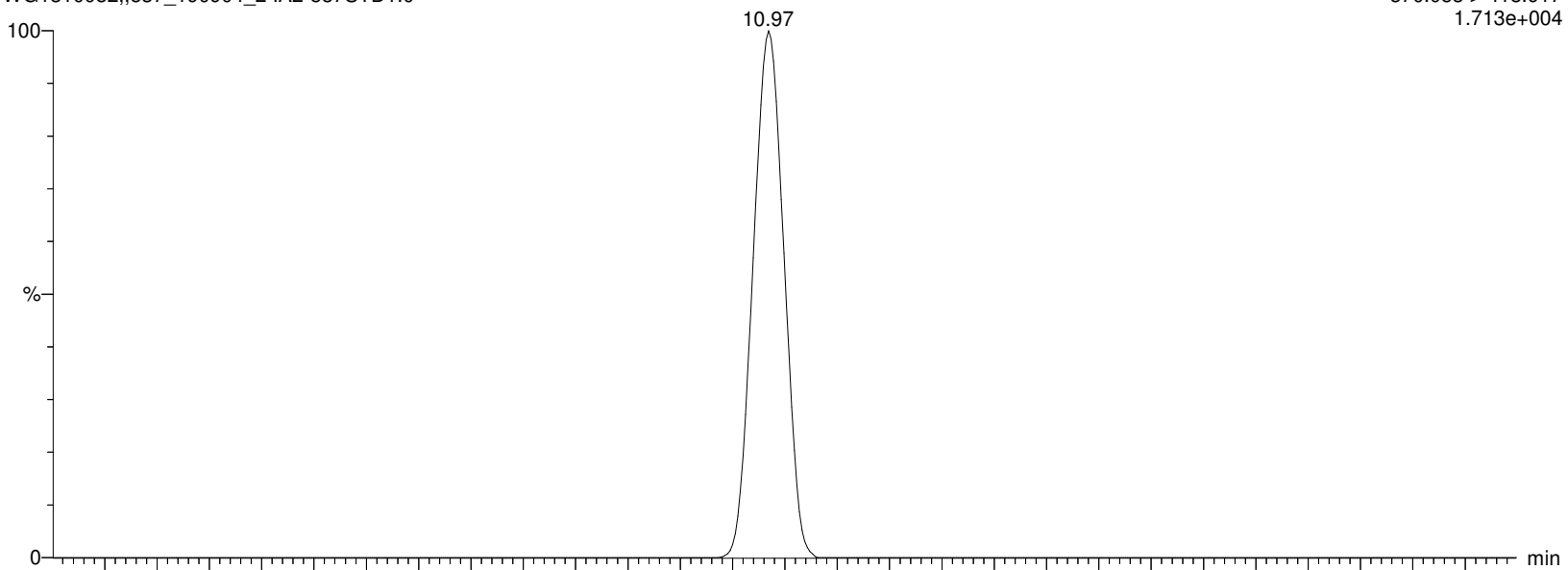
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.713e+004



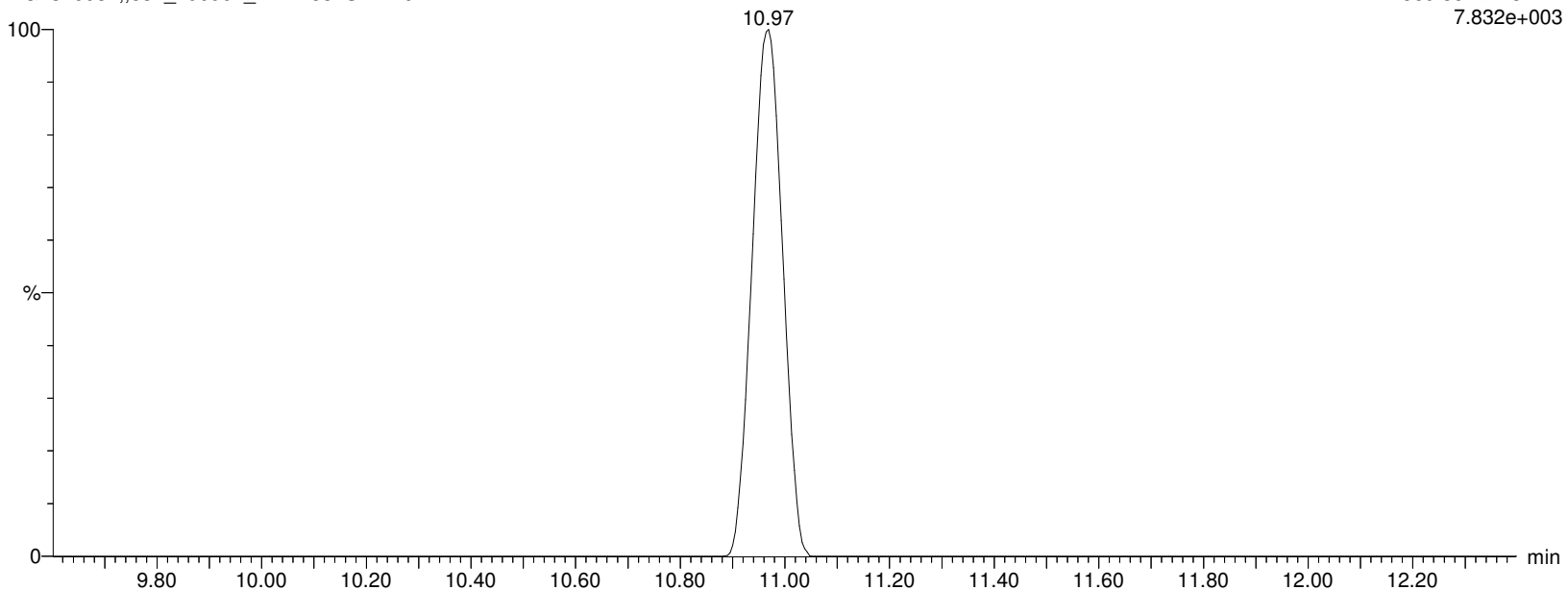
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.832e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

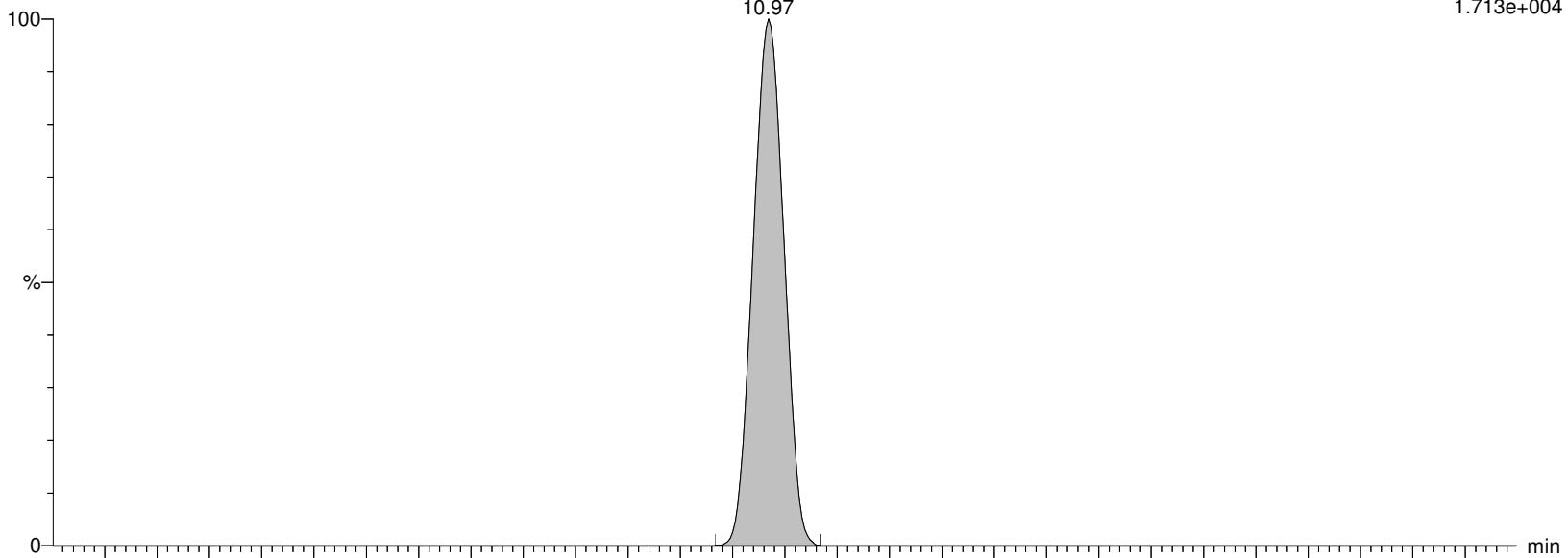
L-NMeFOSAA

10.97

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.713e+004



I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

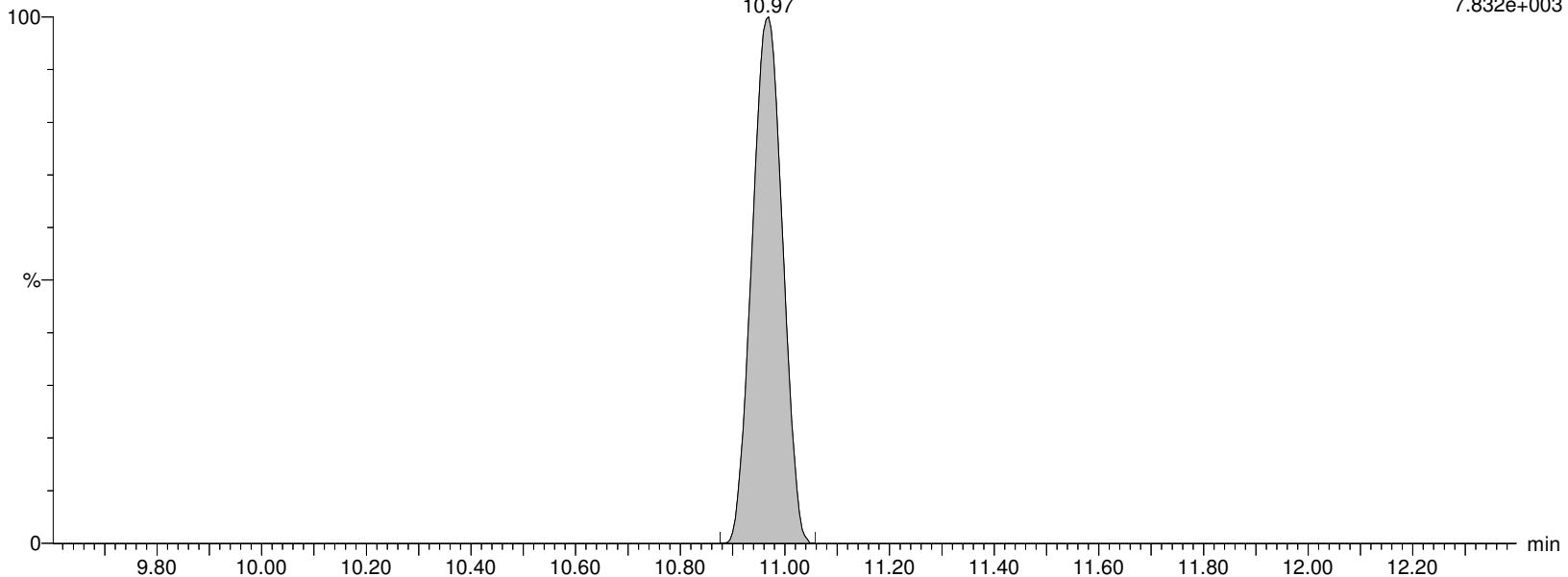
L-NMeFOSAA

10.97

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.832e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

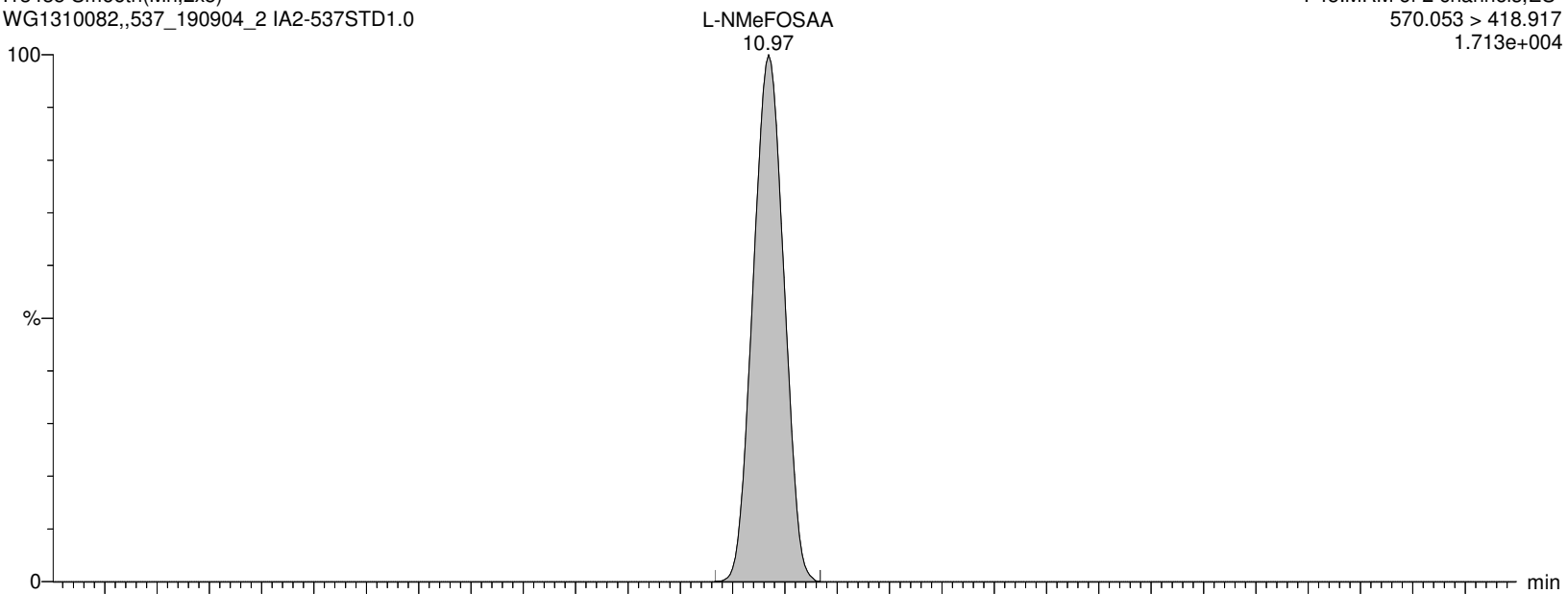
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.713e+004



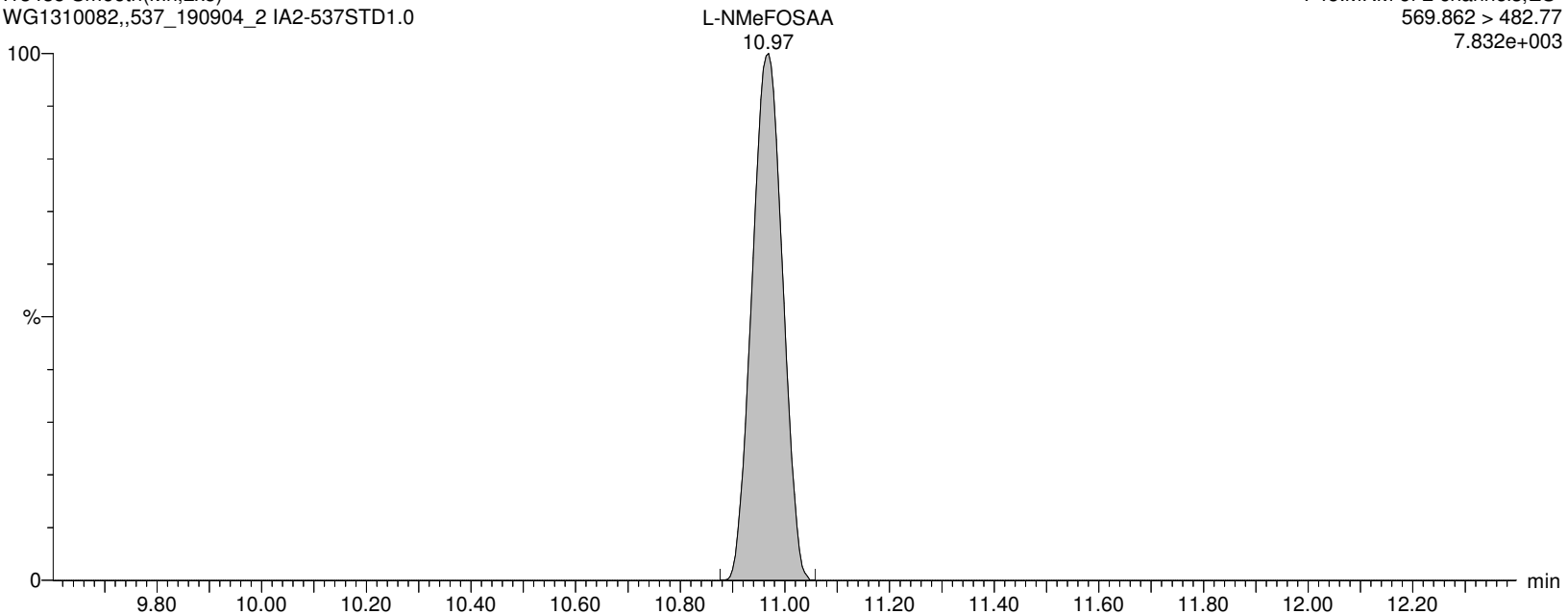
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.832e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

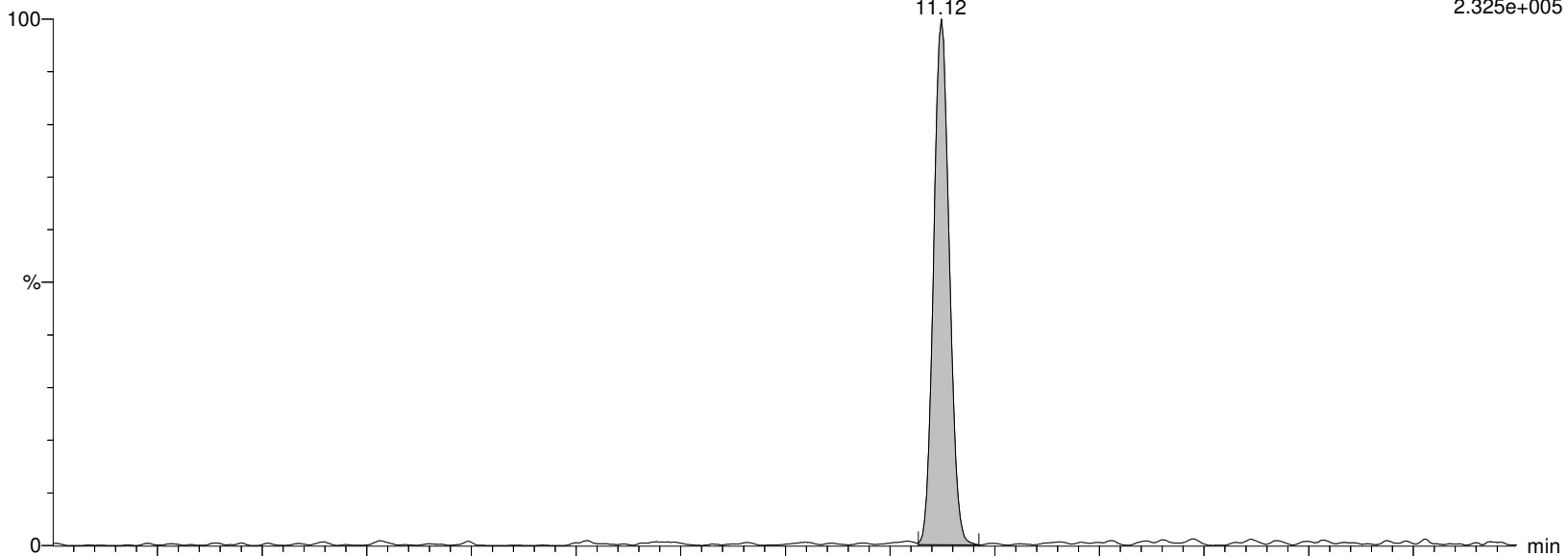
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F44:MRM of 2 channels,ES-

562.989 > 518.903

2.325e+005



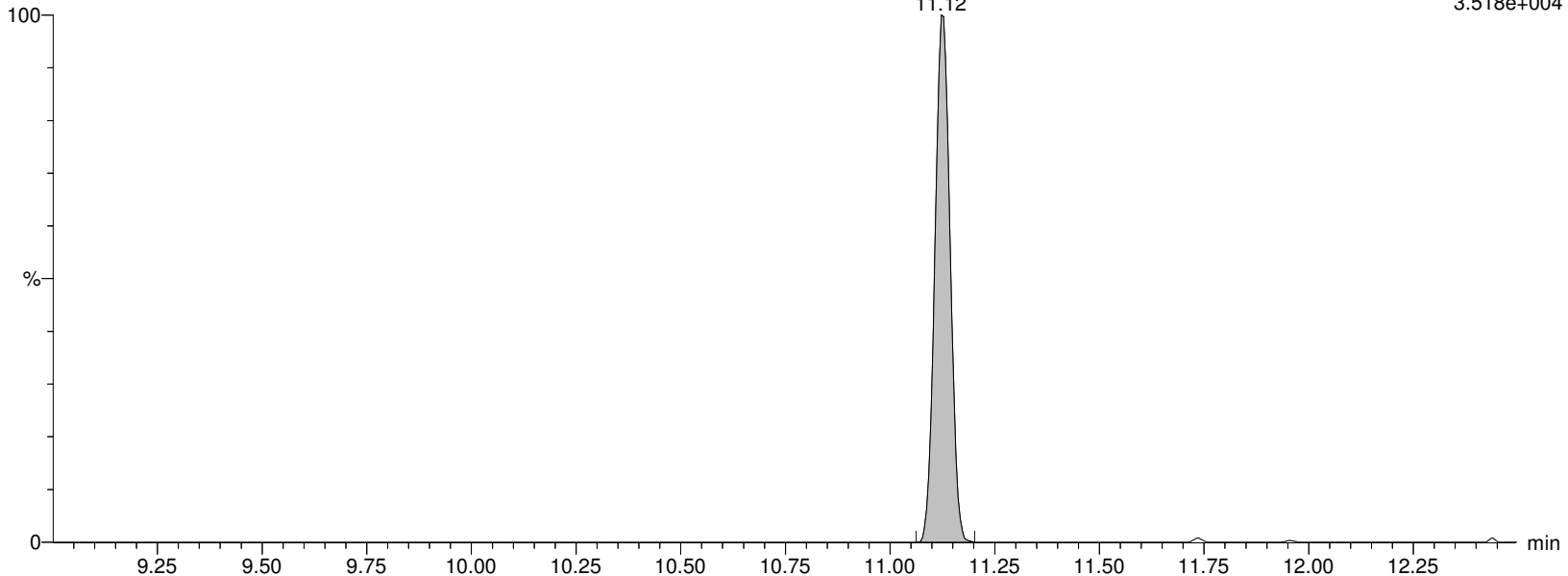
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F44:MRM of 2 channels,ES-

562.989 > 269.01

3.518e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

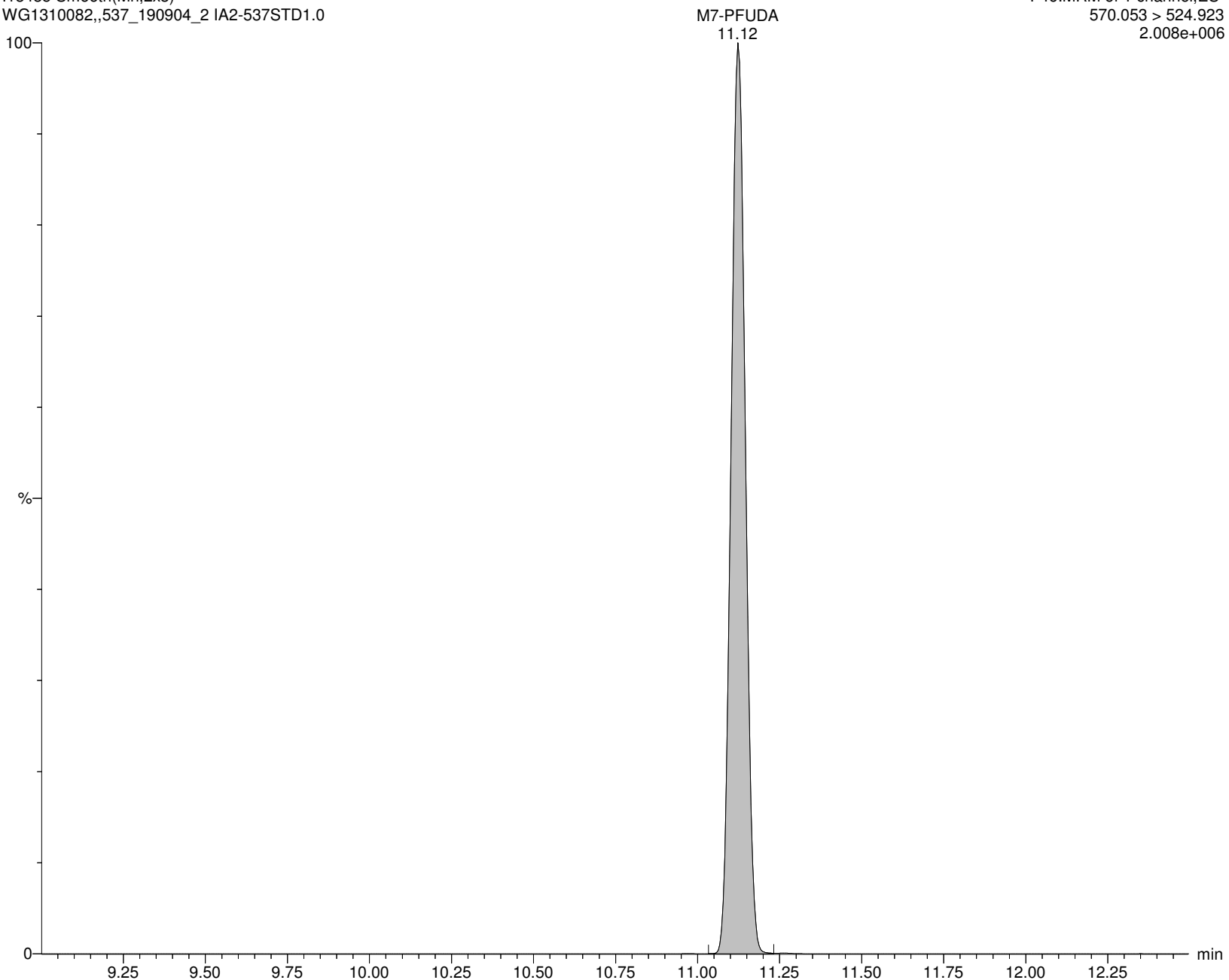
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F46:MRM of 1 channel,ES-

570.053 > 524.923

2.008e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

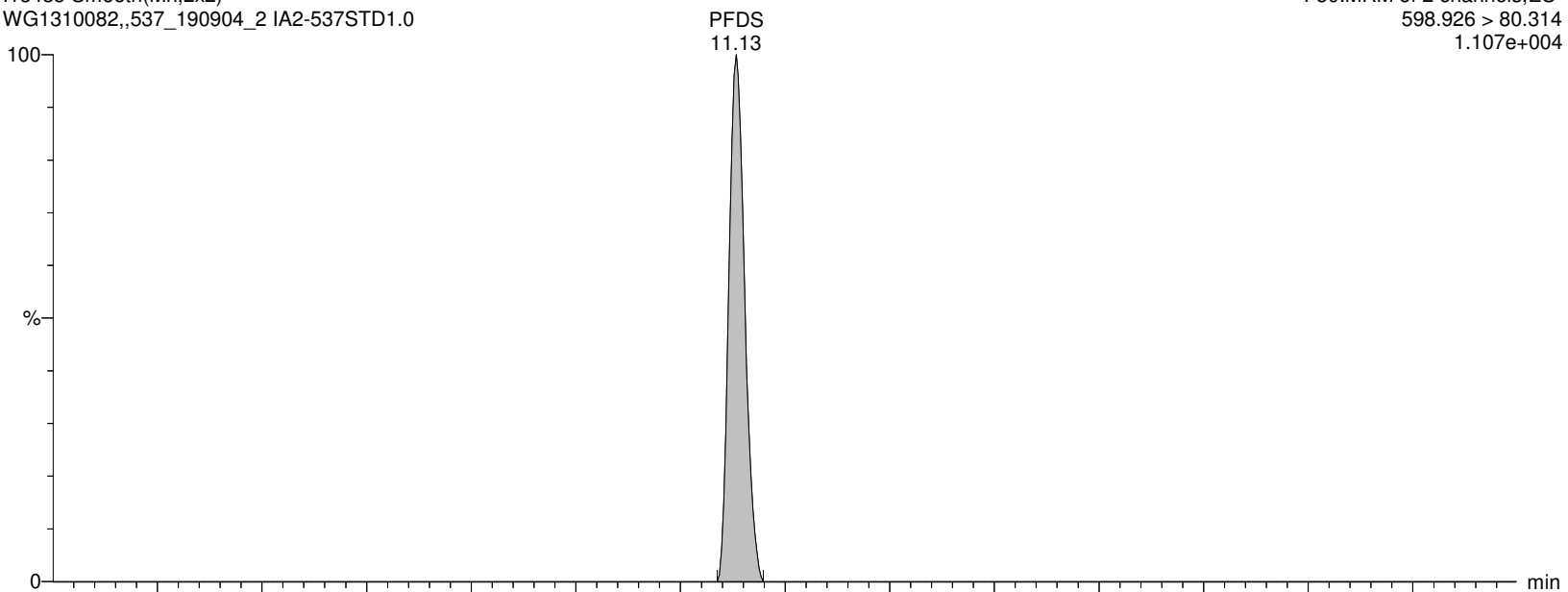
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F50:MRM of 2 channels,ES-

598.926 > 80.314

1.107e+004



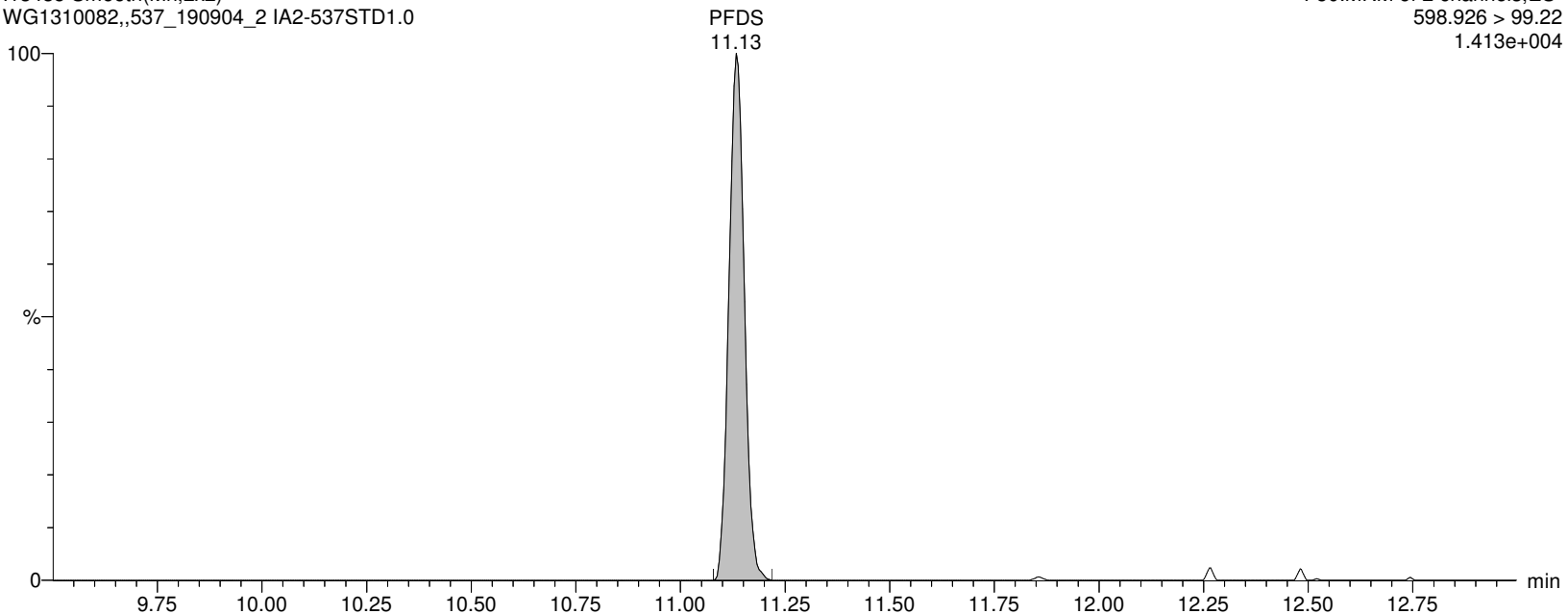
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.413e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

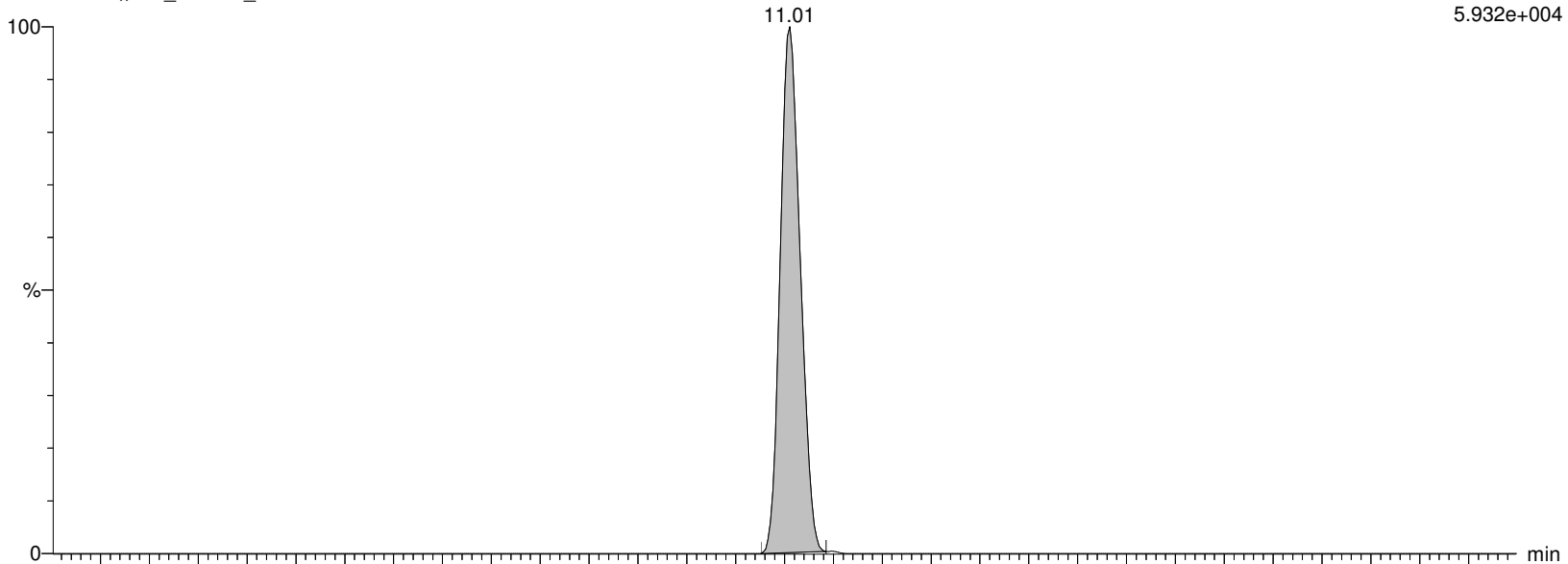
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F28:MRM of 2 channels,ES-

497.989 > 78.245

5.932e+004



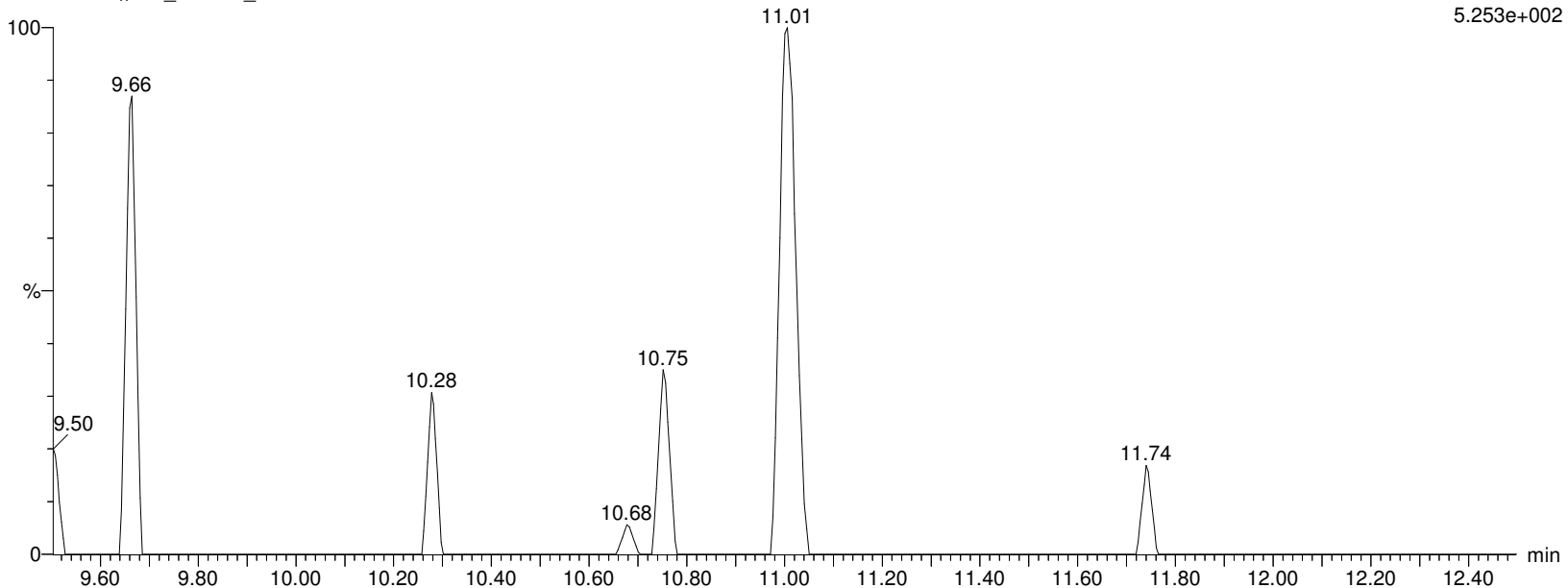
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F28:MRM of 2 channels,ES-

497.989 > 168.854

5.253e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

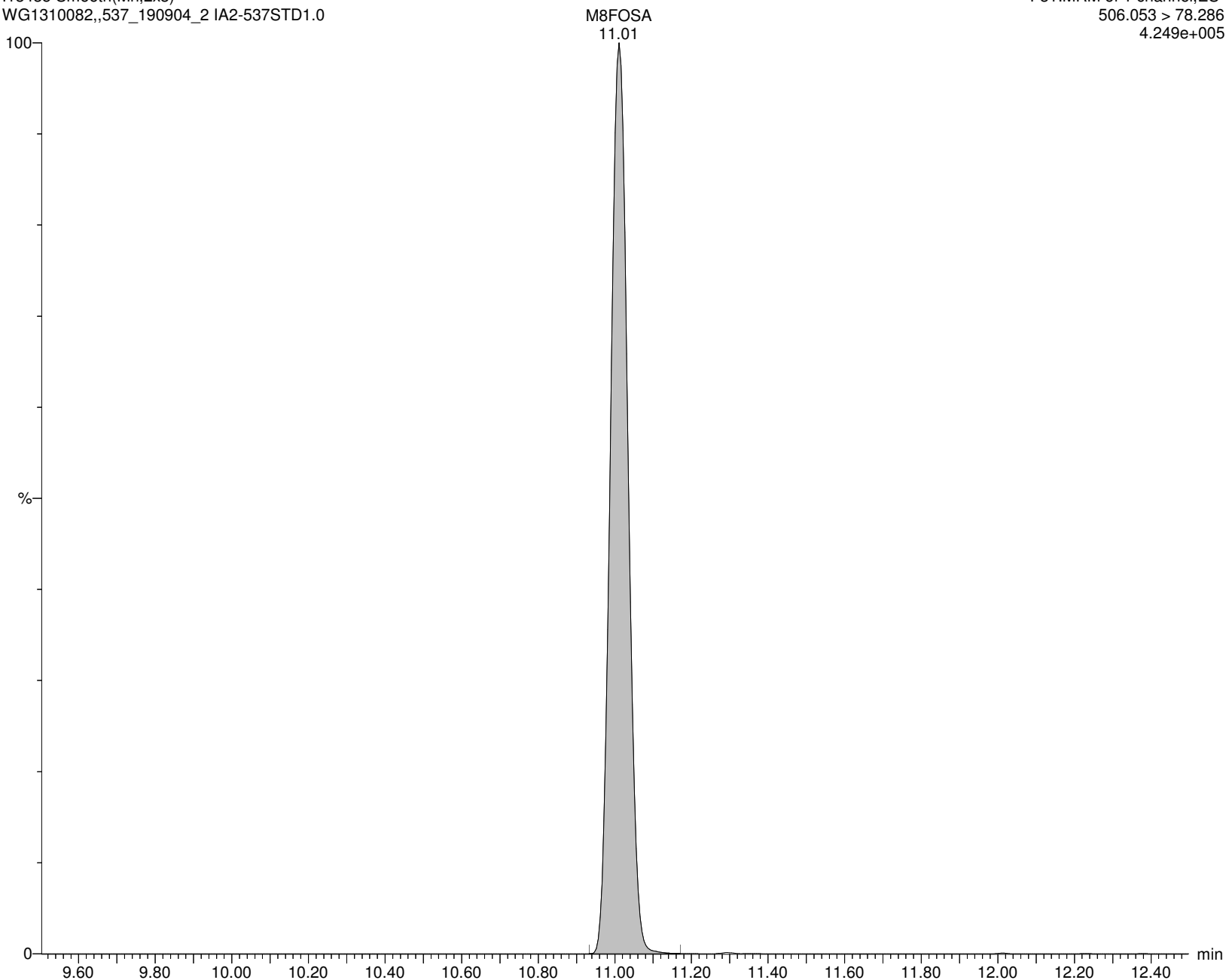
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.249e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

I13435 Smooth(Mn,2x2)

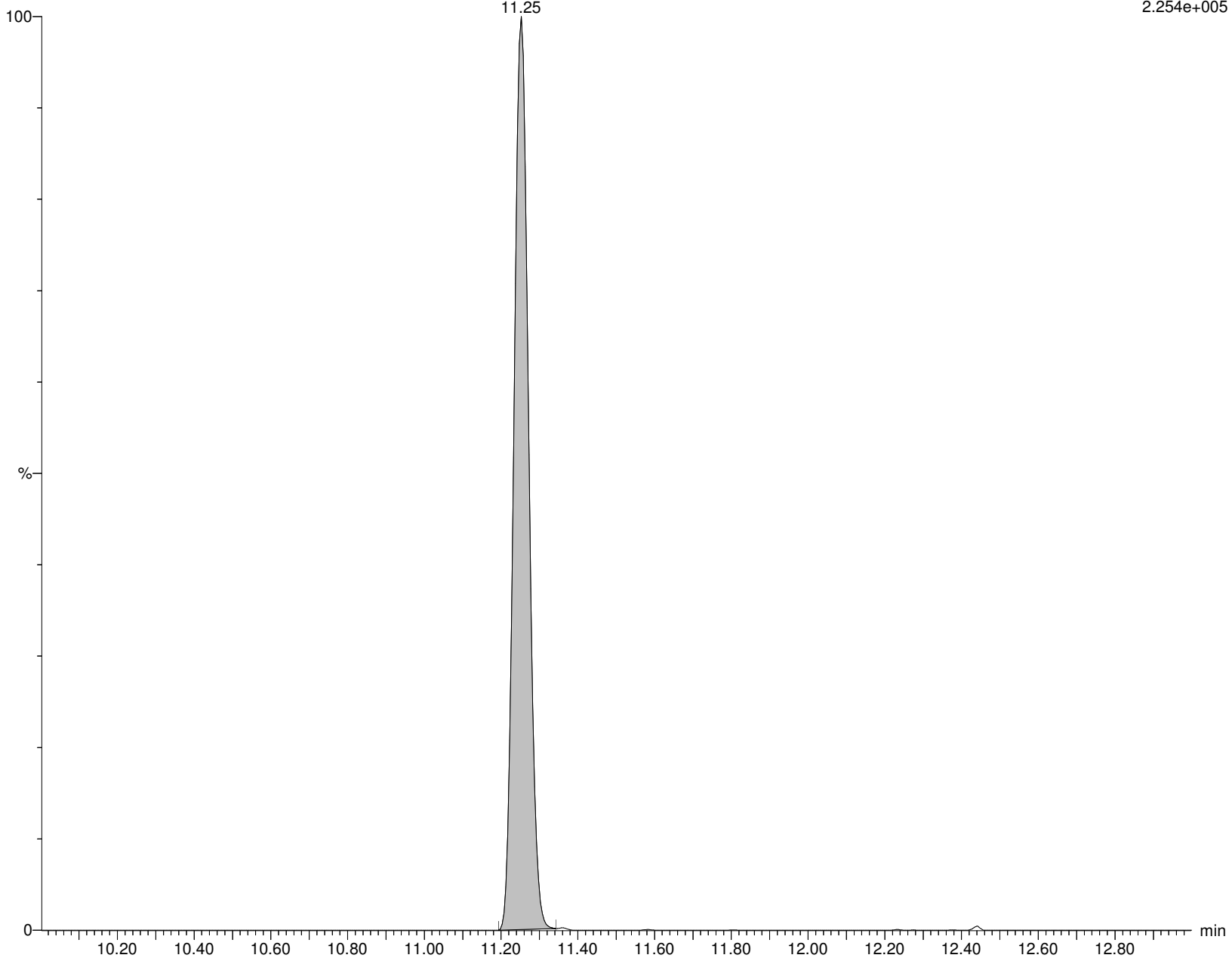
WG1310082,,537_190904_2 IA2-537STD1.0

d5-NEtFOSAA
11.25

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.254e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

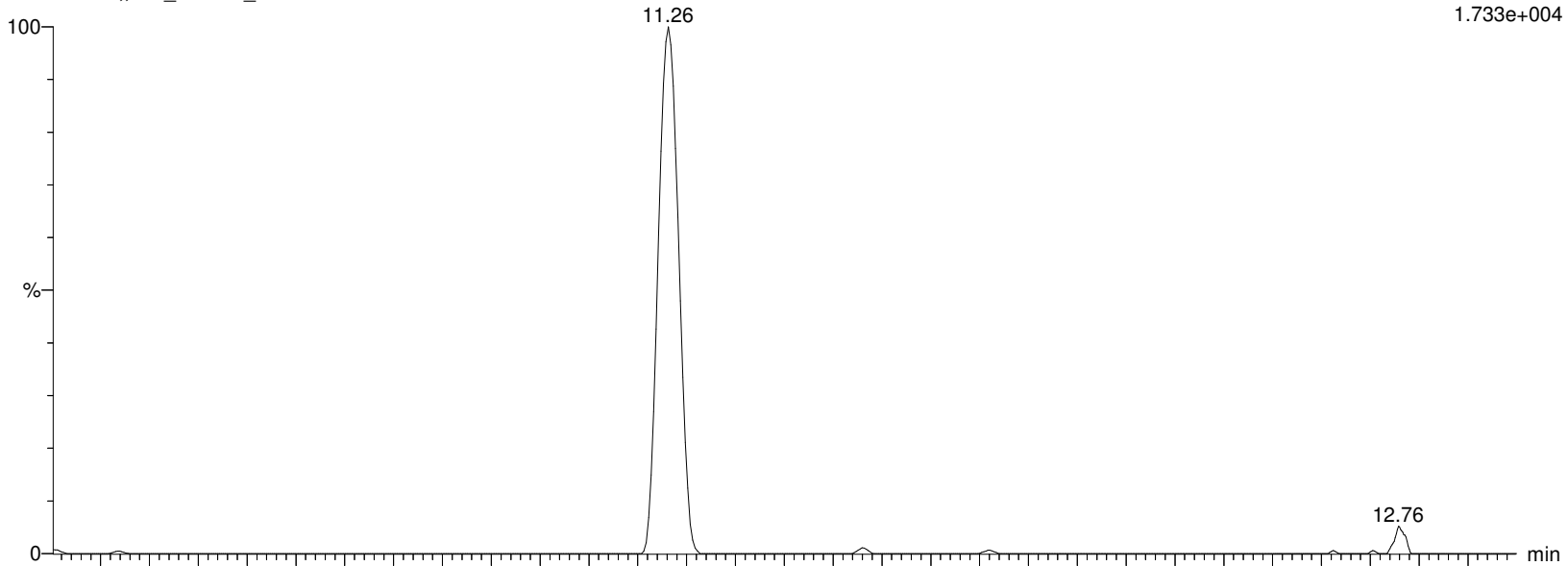
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.733e+004



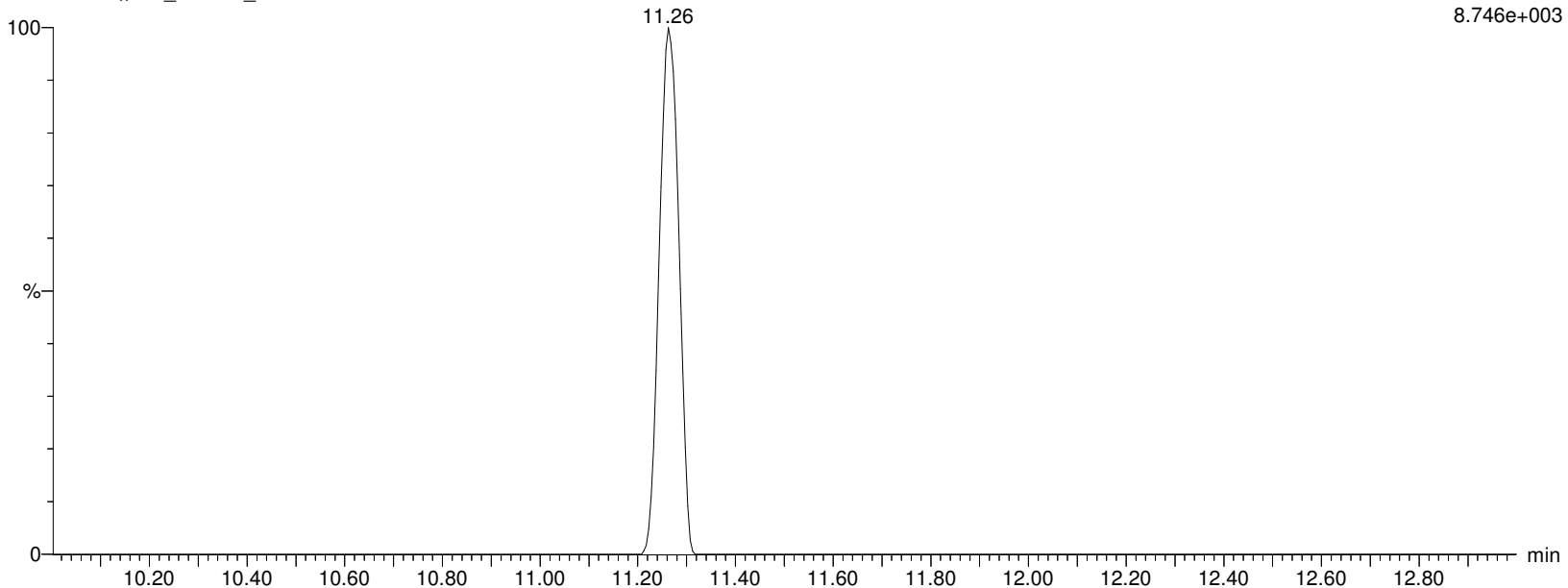
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

8.746e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

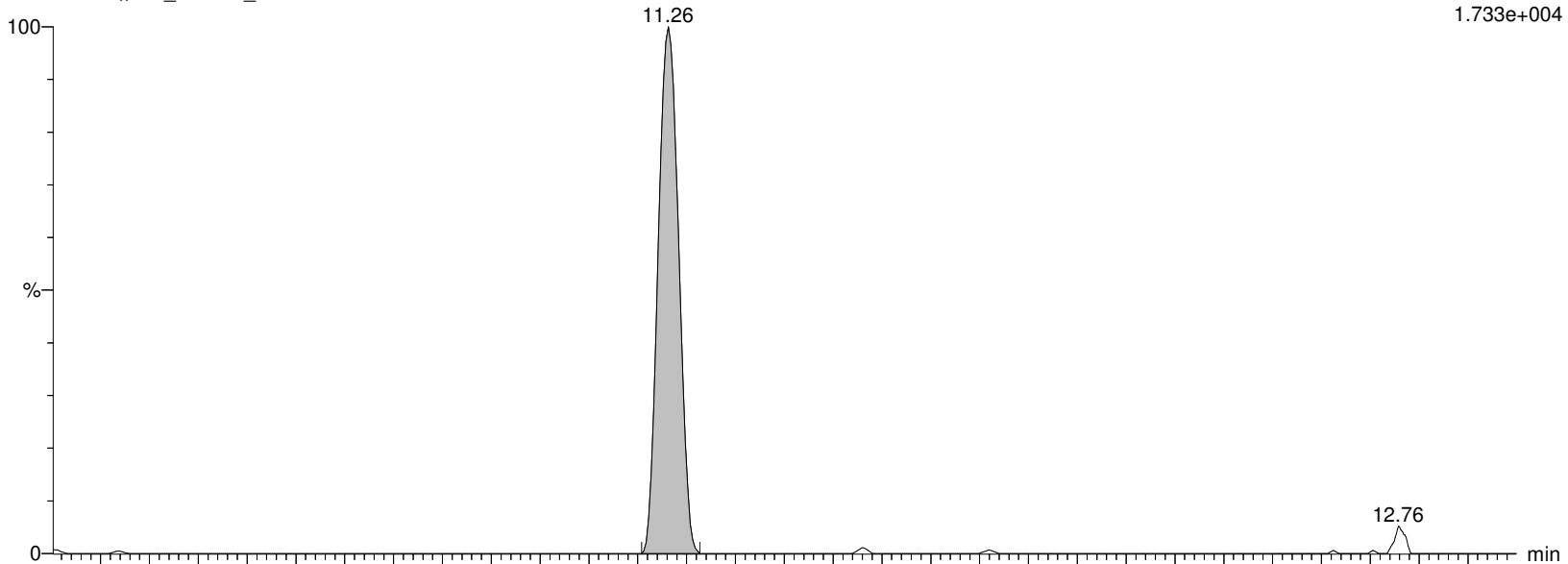
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.733e+004



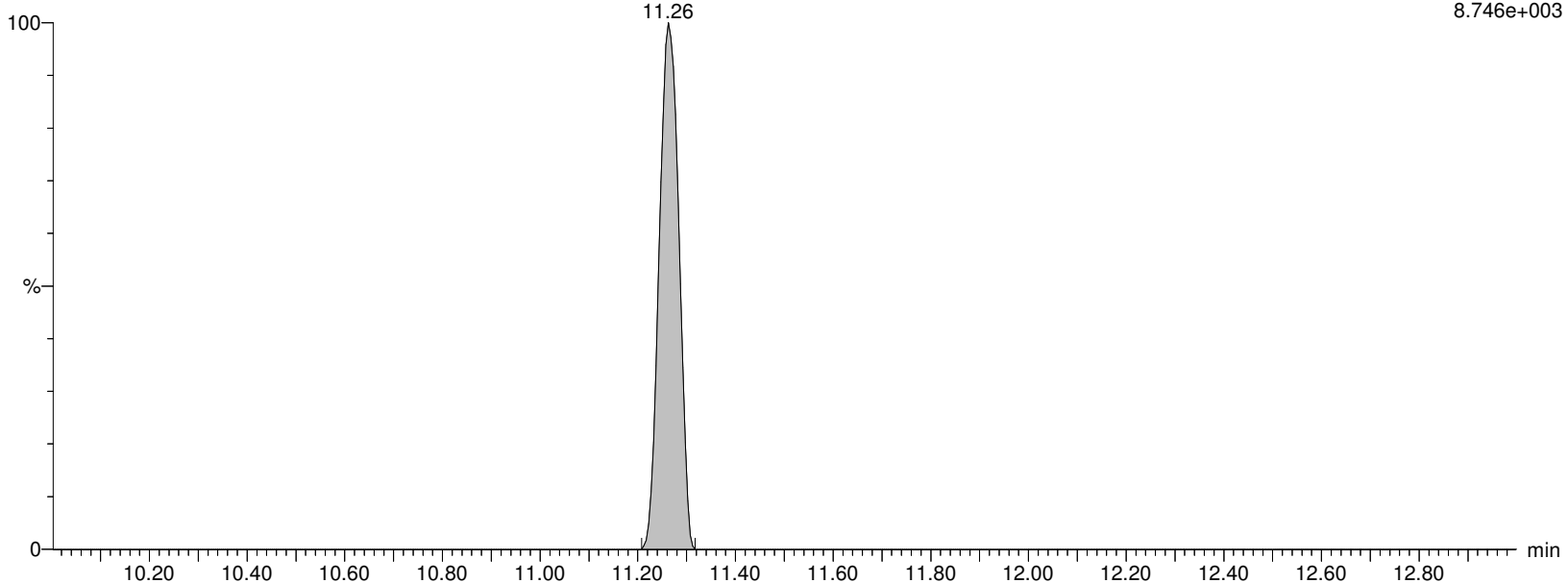
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

8.746e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

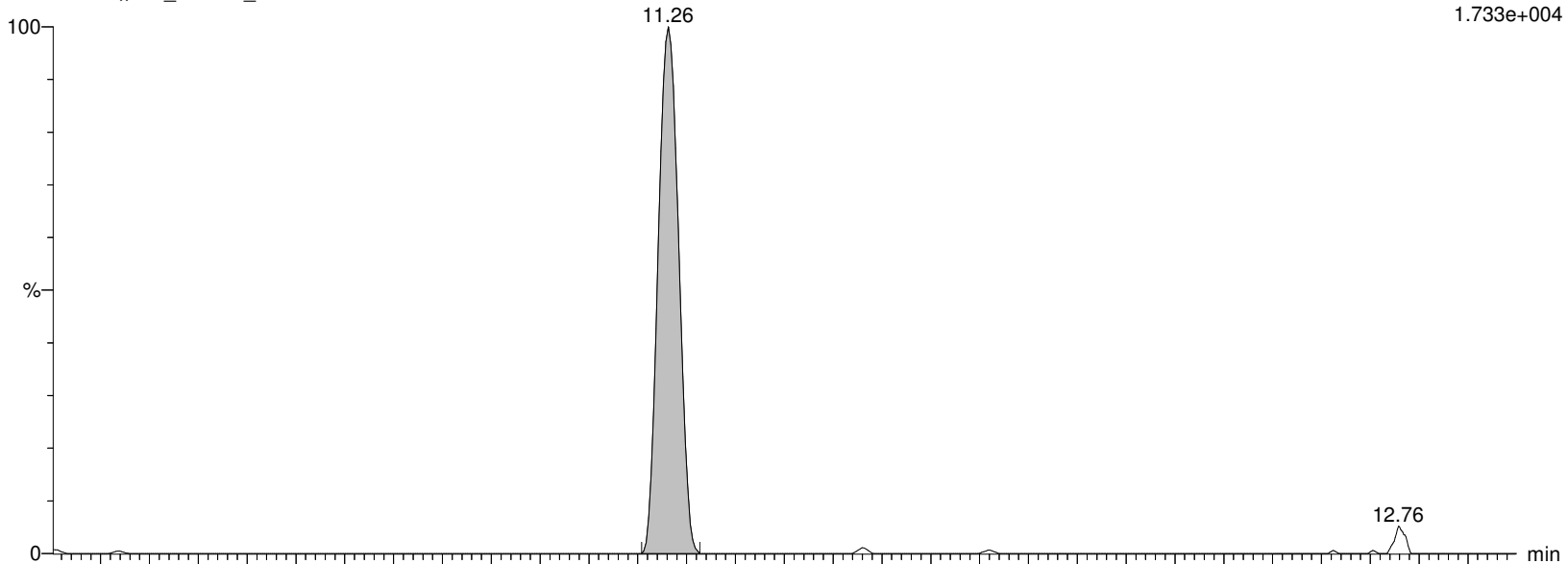
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.733e+004



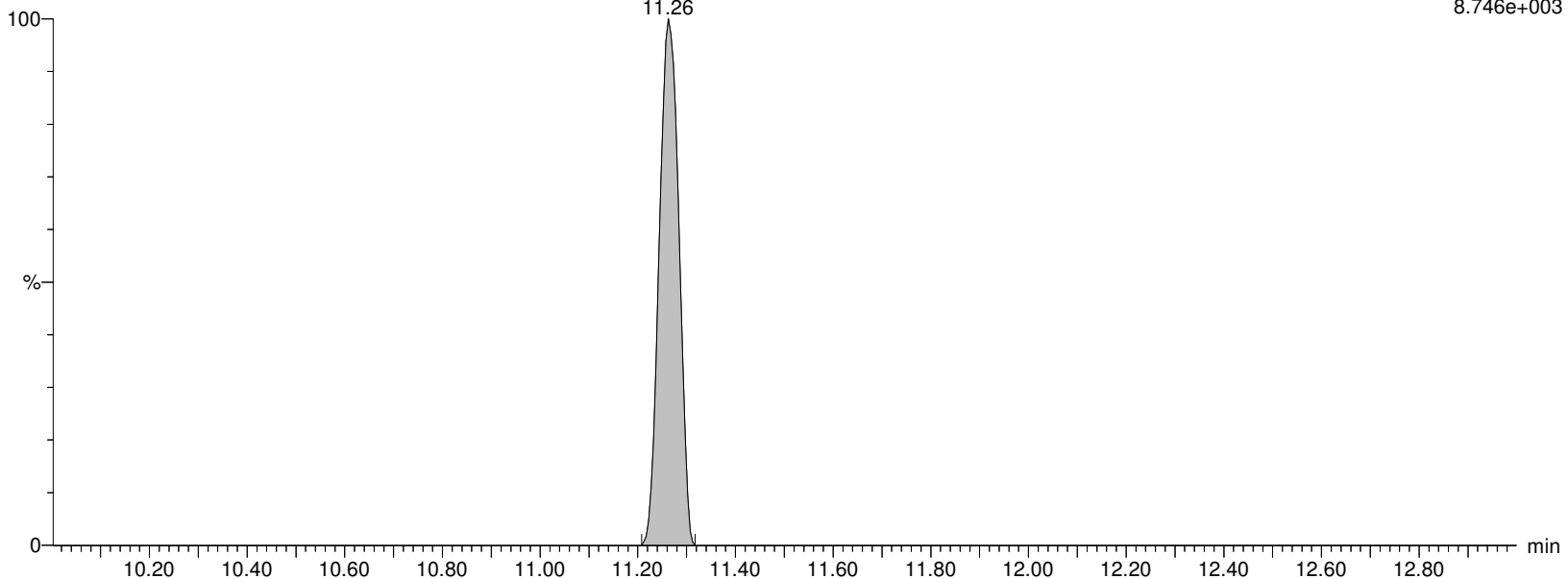
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

8.746e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

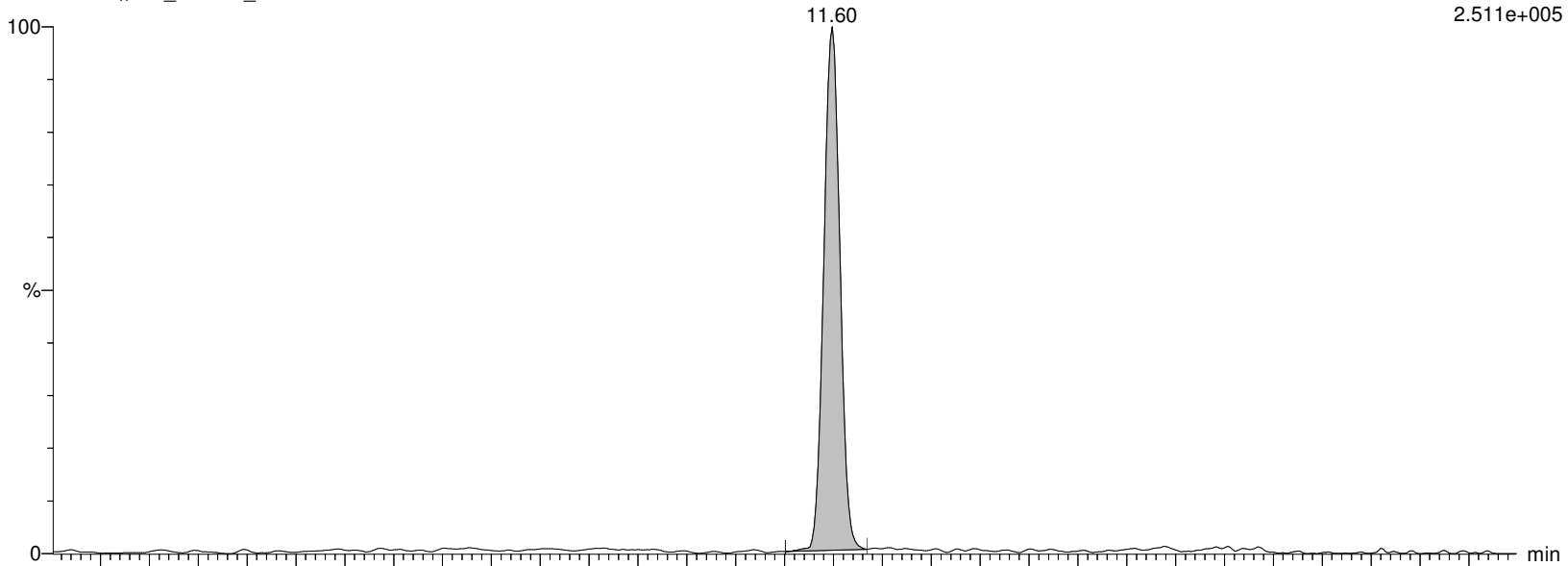
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F51:MRM of 2 channels,ES-

612.989 > 568.967

2.511e+005



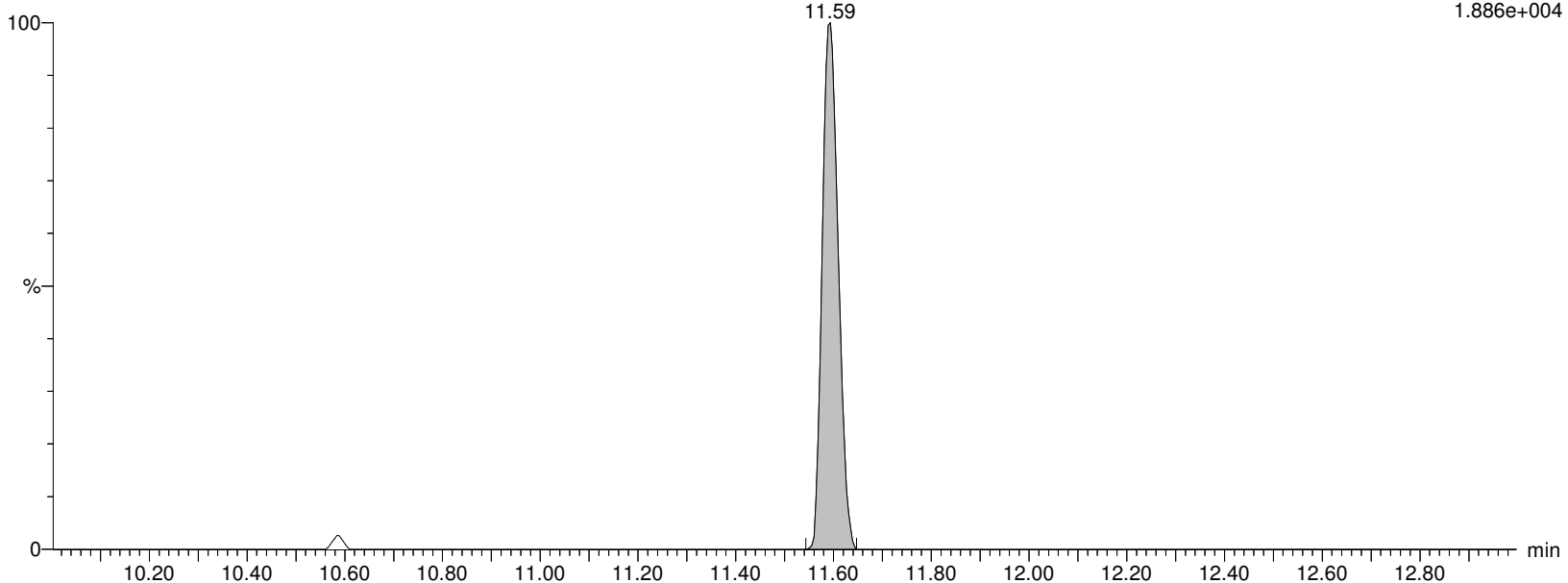
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F51:MRM of 2 channels,ES-

612.989 > 219.08

1.886e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

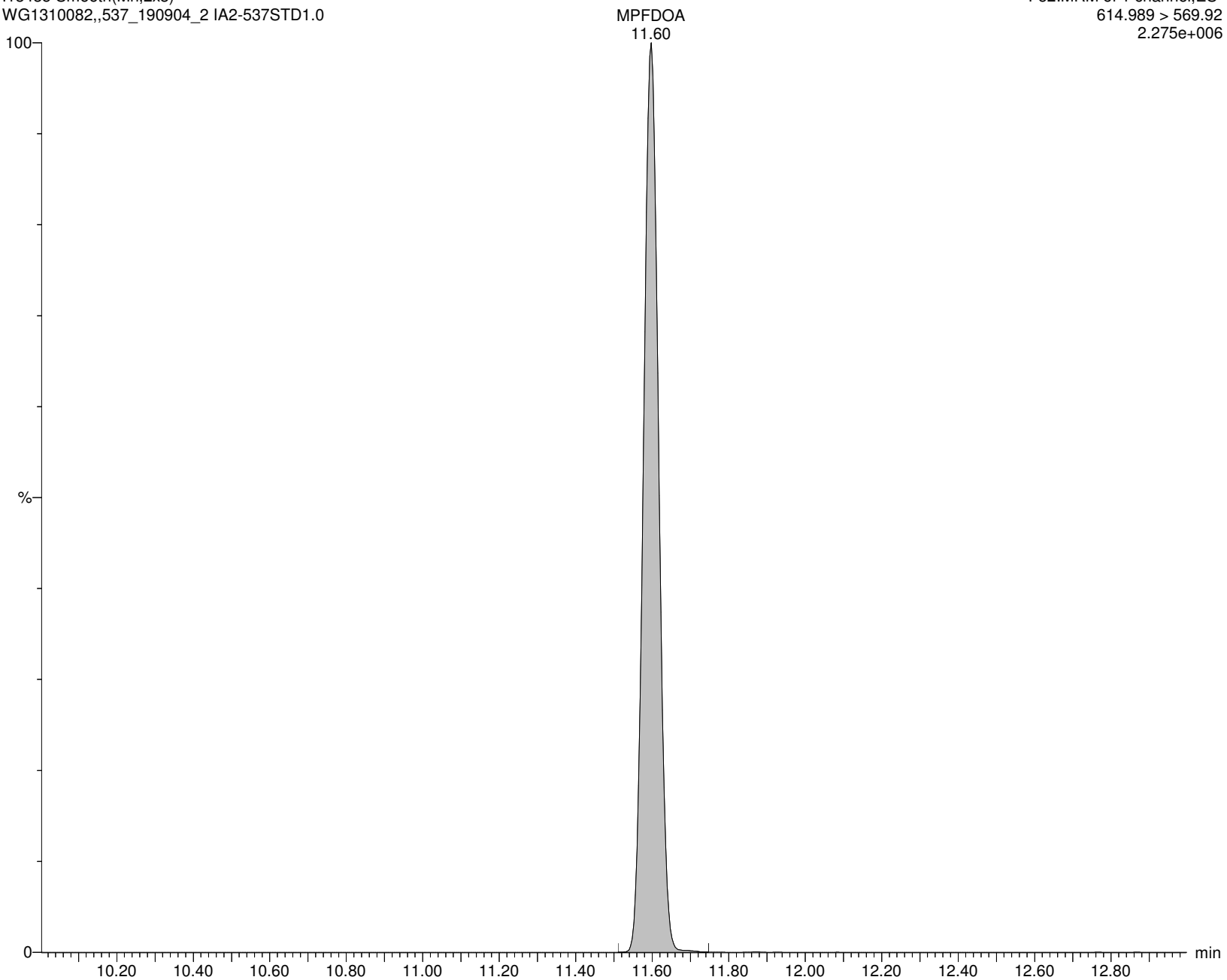
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.275e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

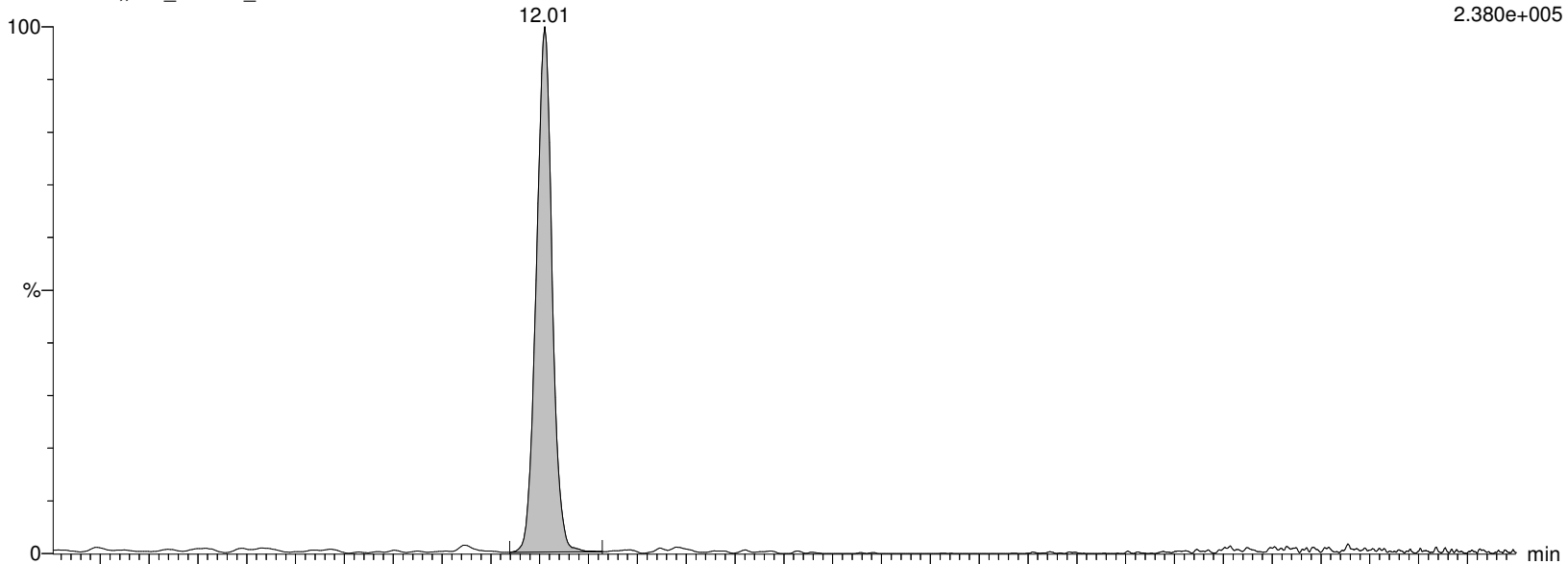
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F59:MRM of 2 channels,ES-

663.053 > 618.969

2.380e+005



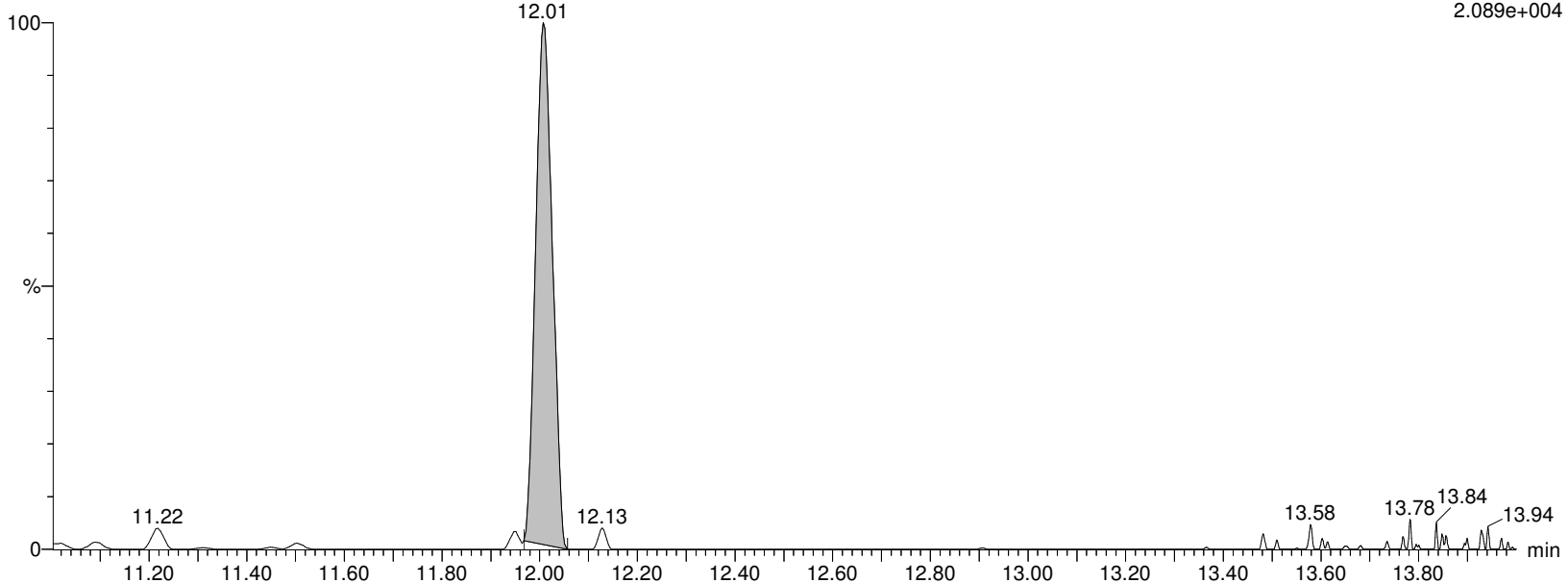
I13435 Smooth(Mn,2x2)

WG1310082,,537_190904_2 IA2-537STD1.0

F59:MRM of 2 channels,ES-

663.053 > 319.02

2.089e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

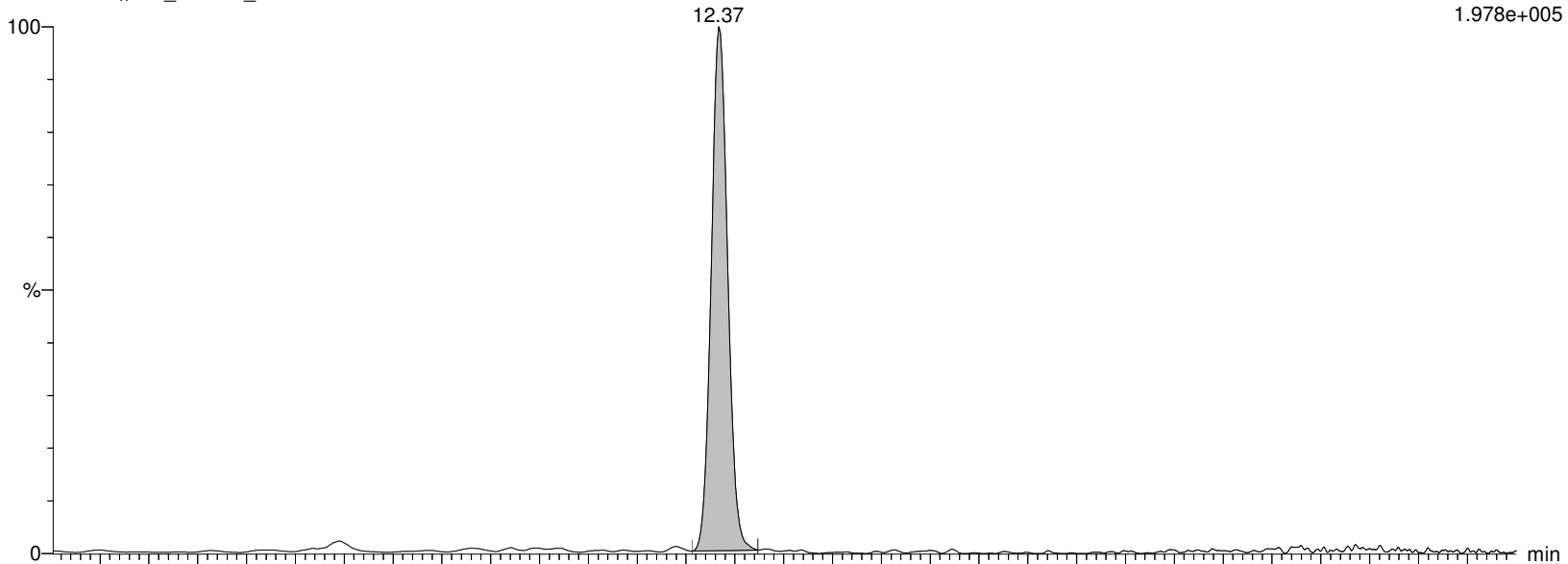
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F61:MRM of 2 channels,ES-

713.053 > 668.976

1.978e+005



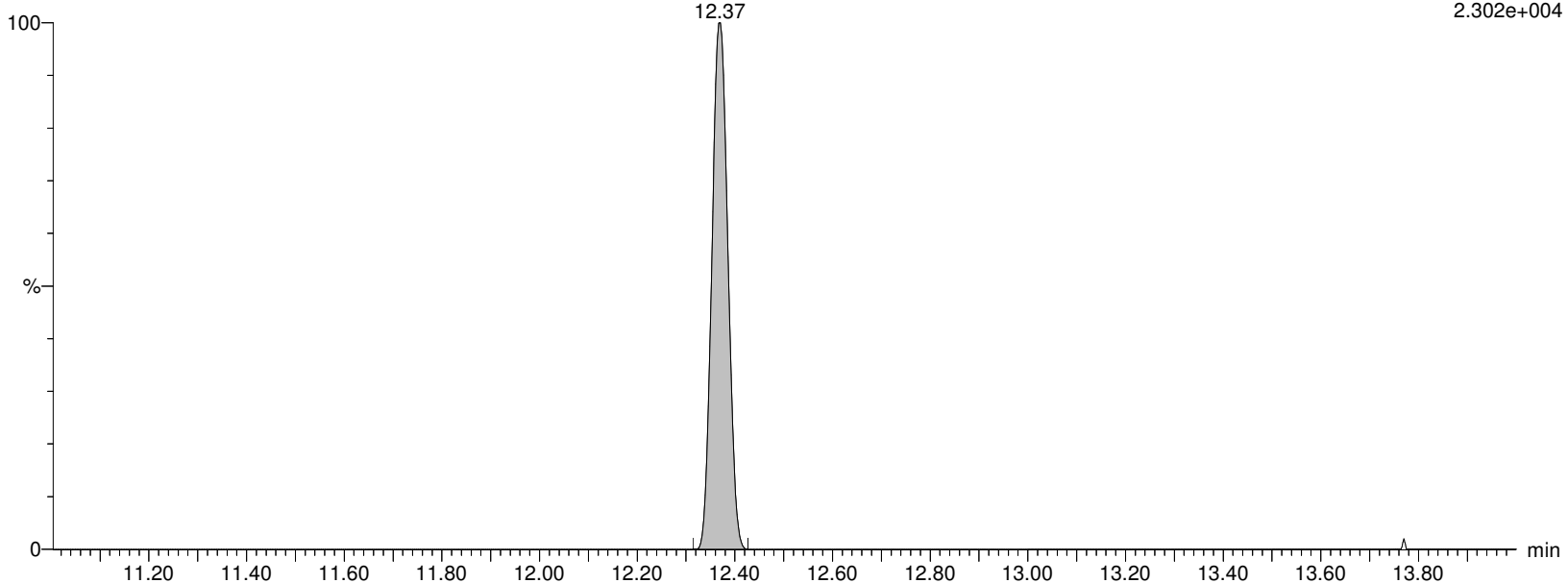
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F61:MRM of 2 channels,ES-

713.053 > 219.09

2.302e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

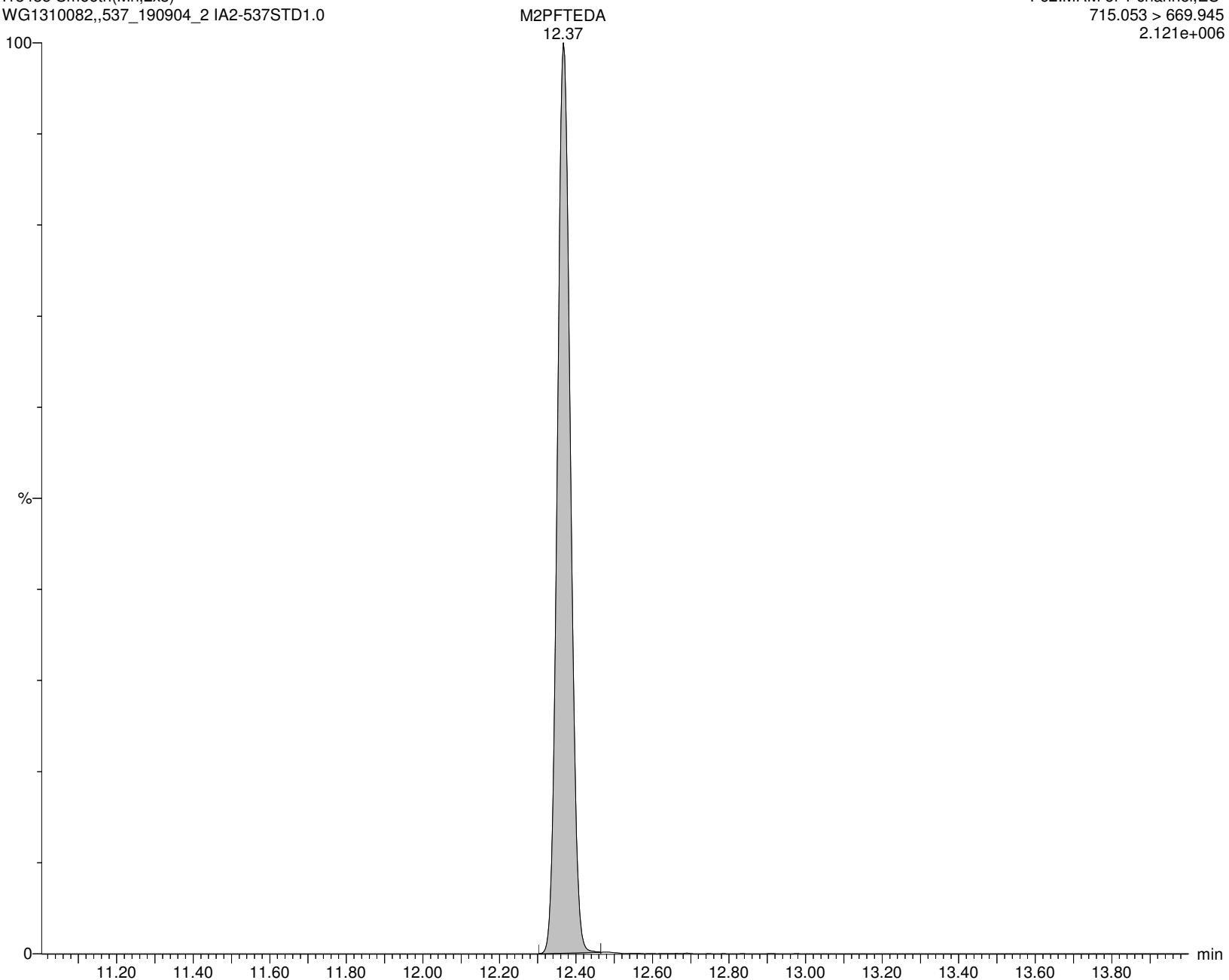
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F62:MRM of 1 channel,ES-

715.053 > 669.945

2.121e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

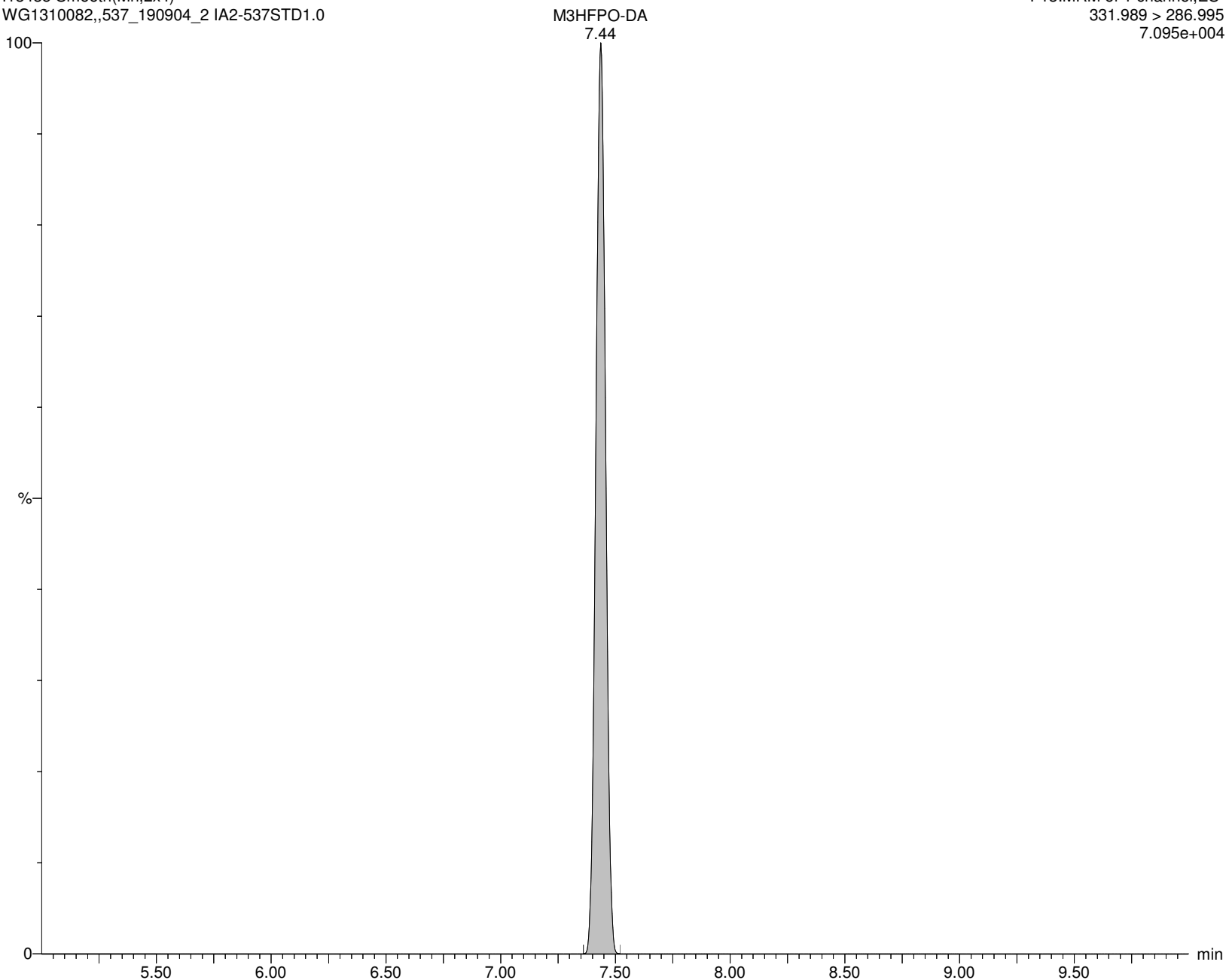
I13435 Smooth(Mn,2x4)

WG1310082,,537_190904_2 IA2-537STD1.0

F13:MRM of 1 channel,ES-

331.989 > 286.995

7.095e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

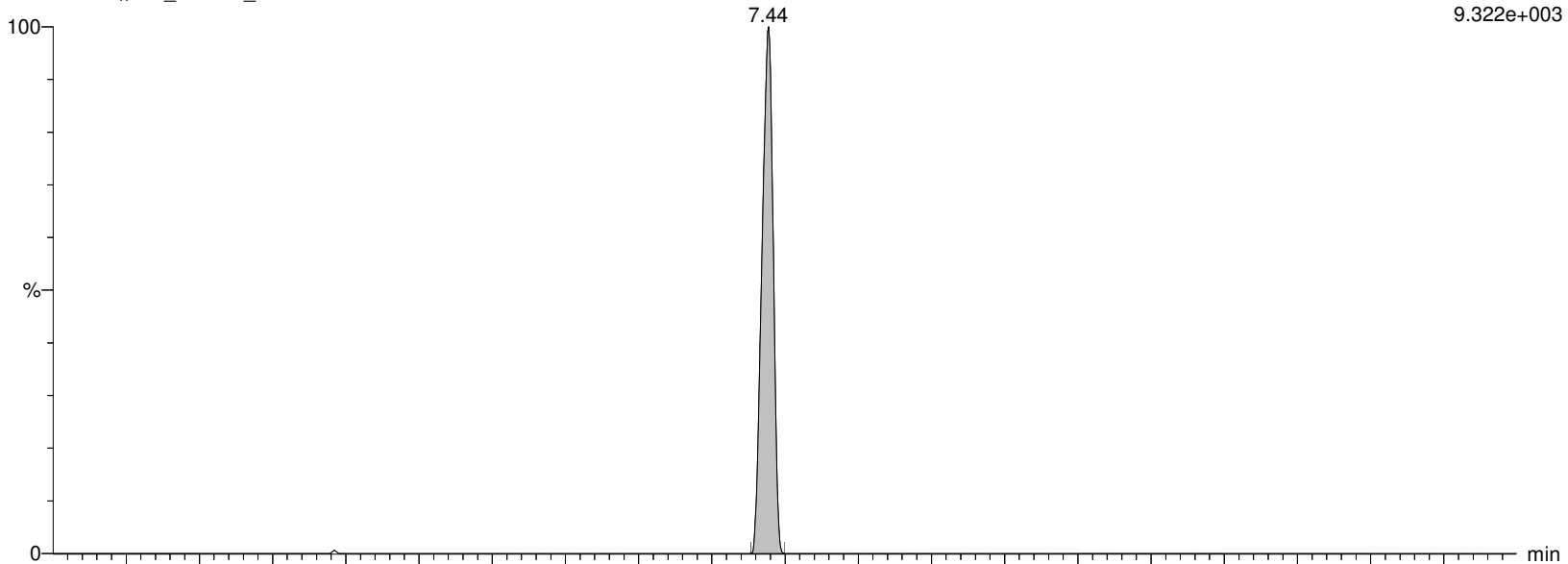
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F6:MRM of 2 channels,ES-

284.819 > 169.094

9.322e+003



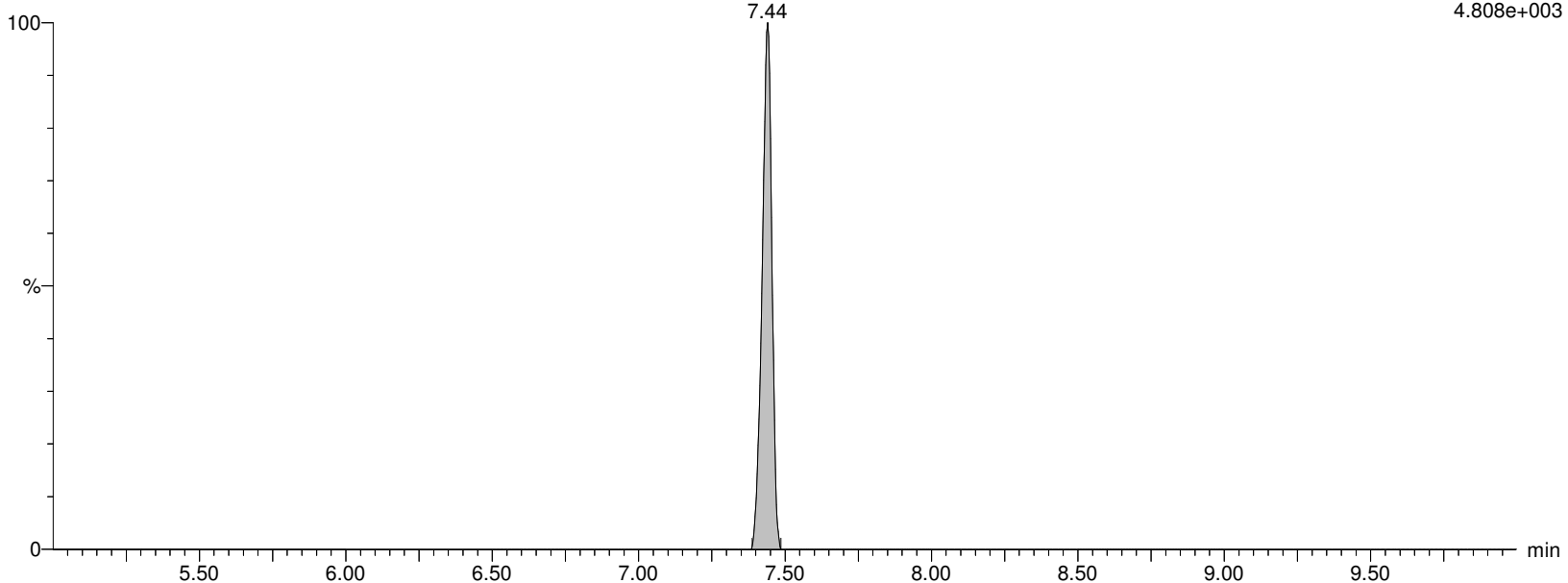
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F6:MRM of 2 channels,ES-

328.989 > 284.982

4.808e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

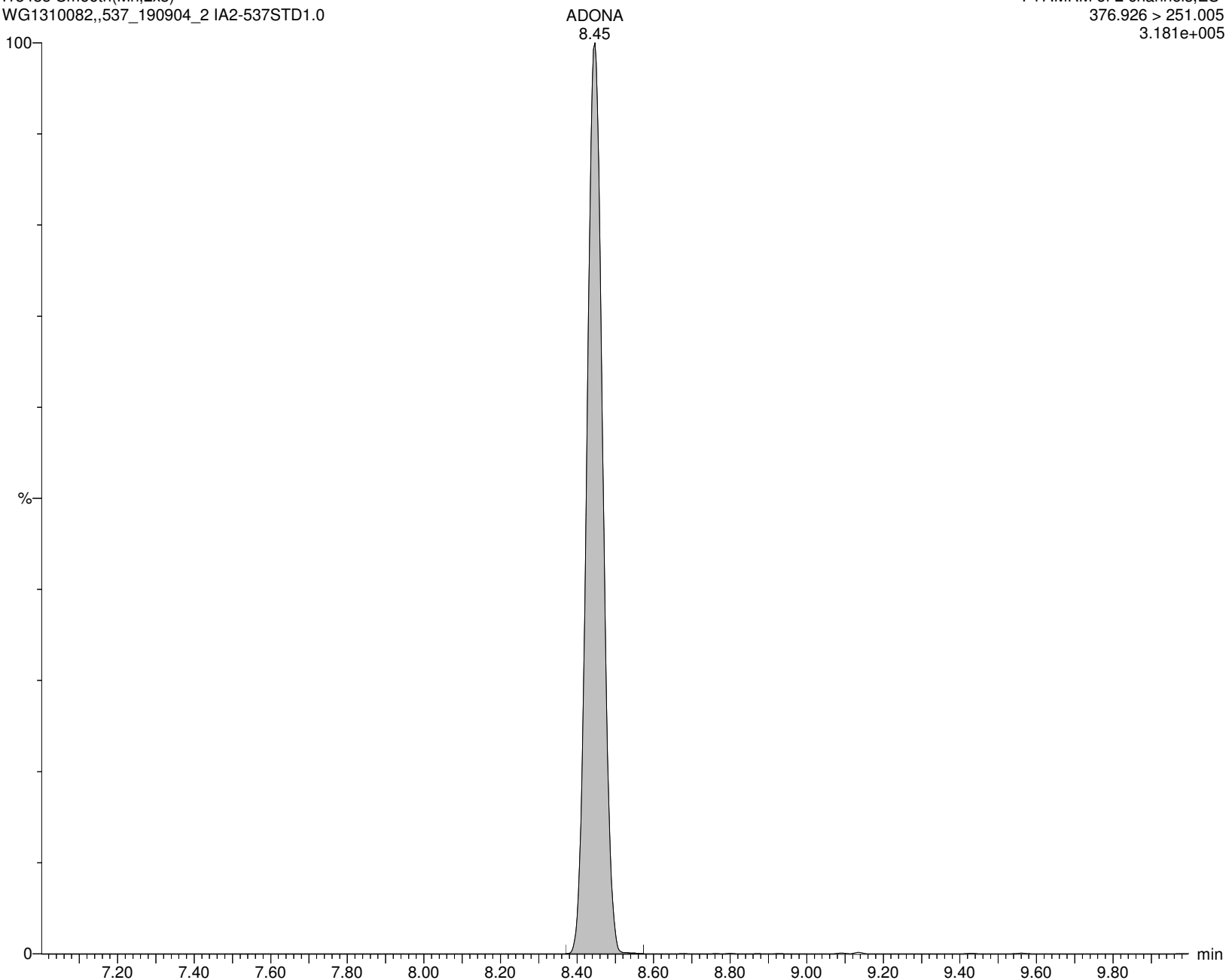
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F17:MRM of 2 channels,ES-

376.926 > 251.005

3.181e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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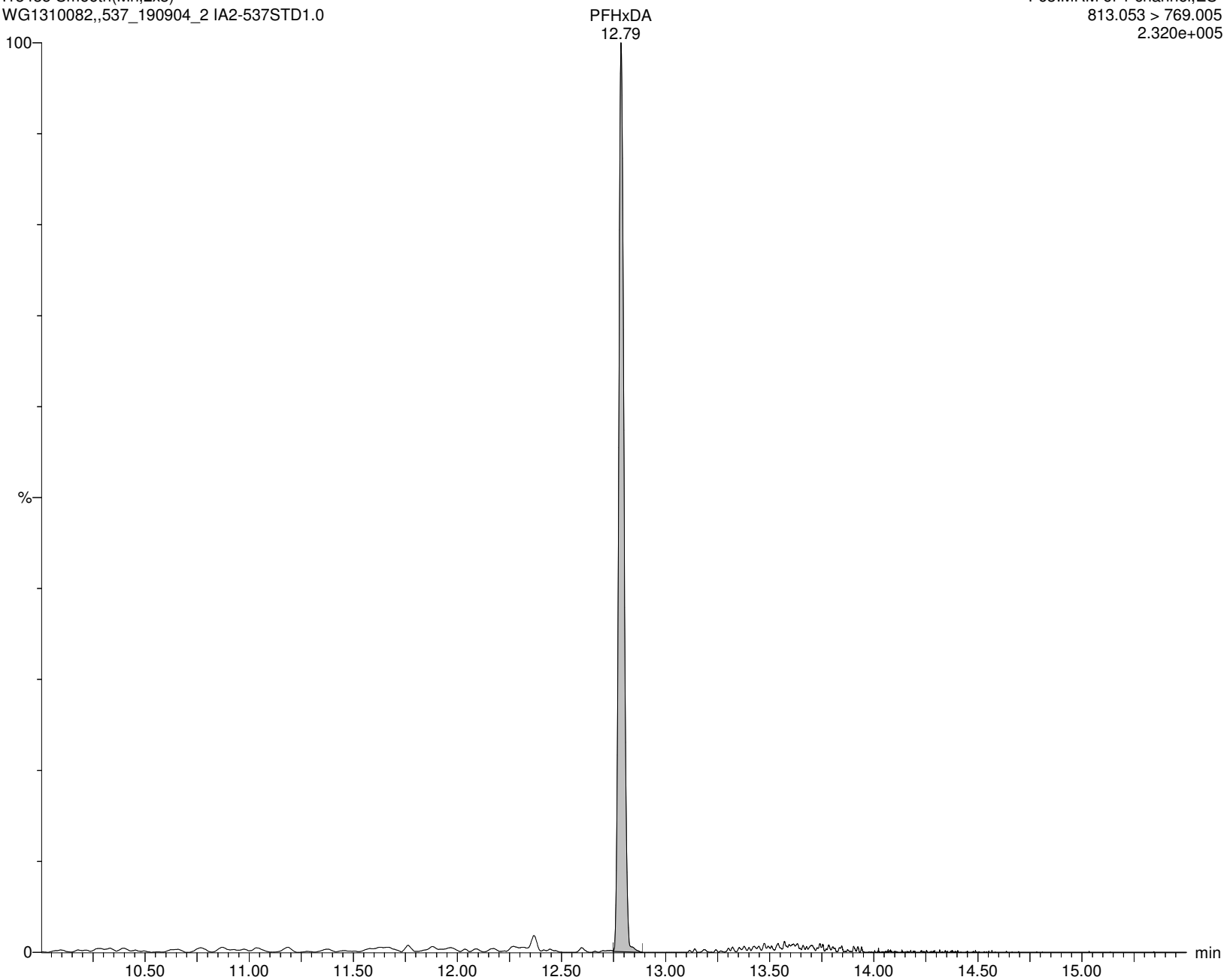
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F63:MRM of 1 channel,ES-

813.053 > 769.005

2.320e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

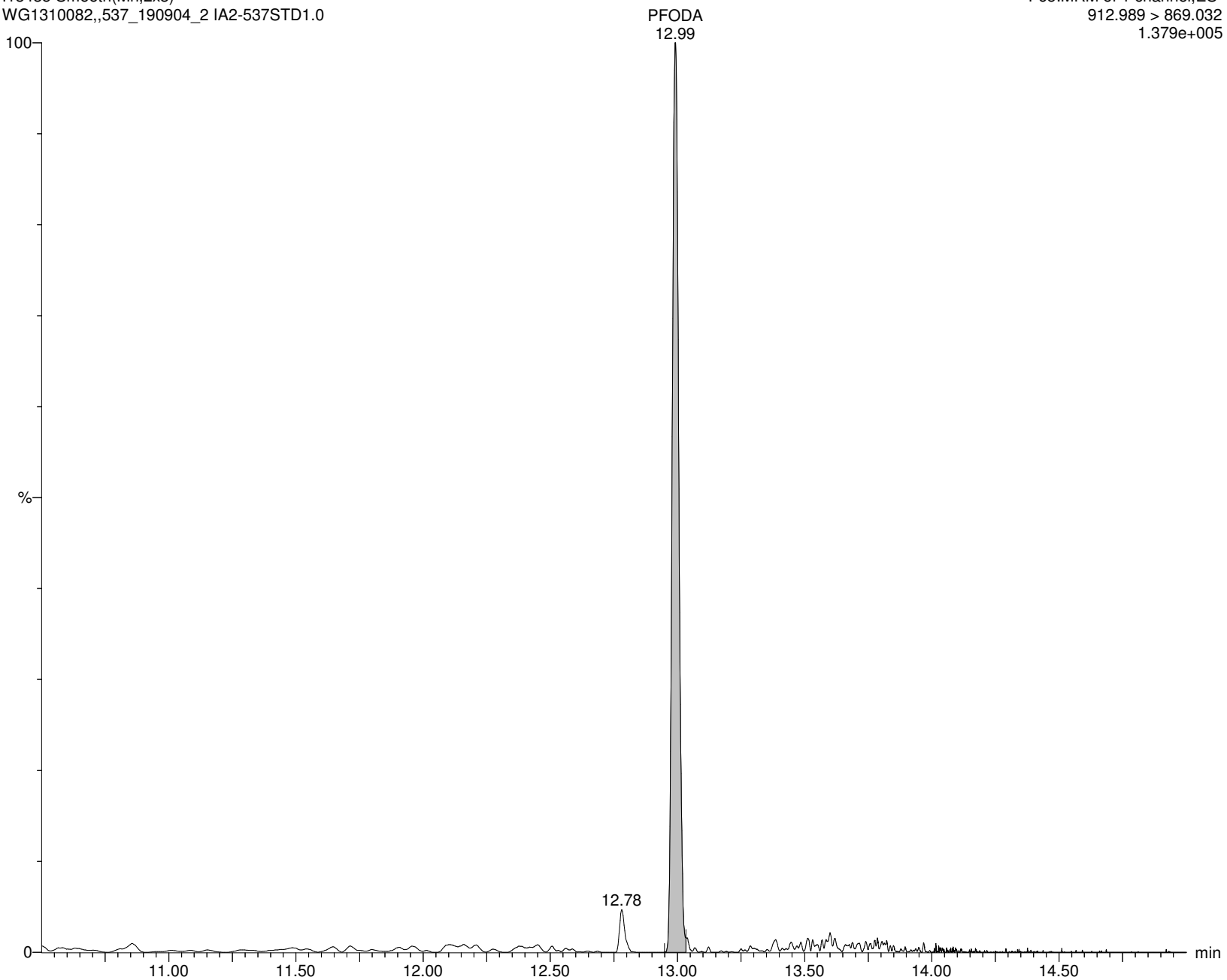
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.379e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

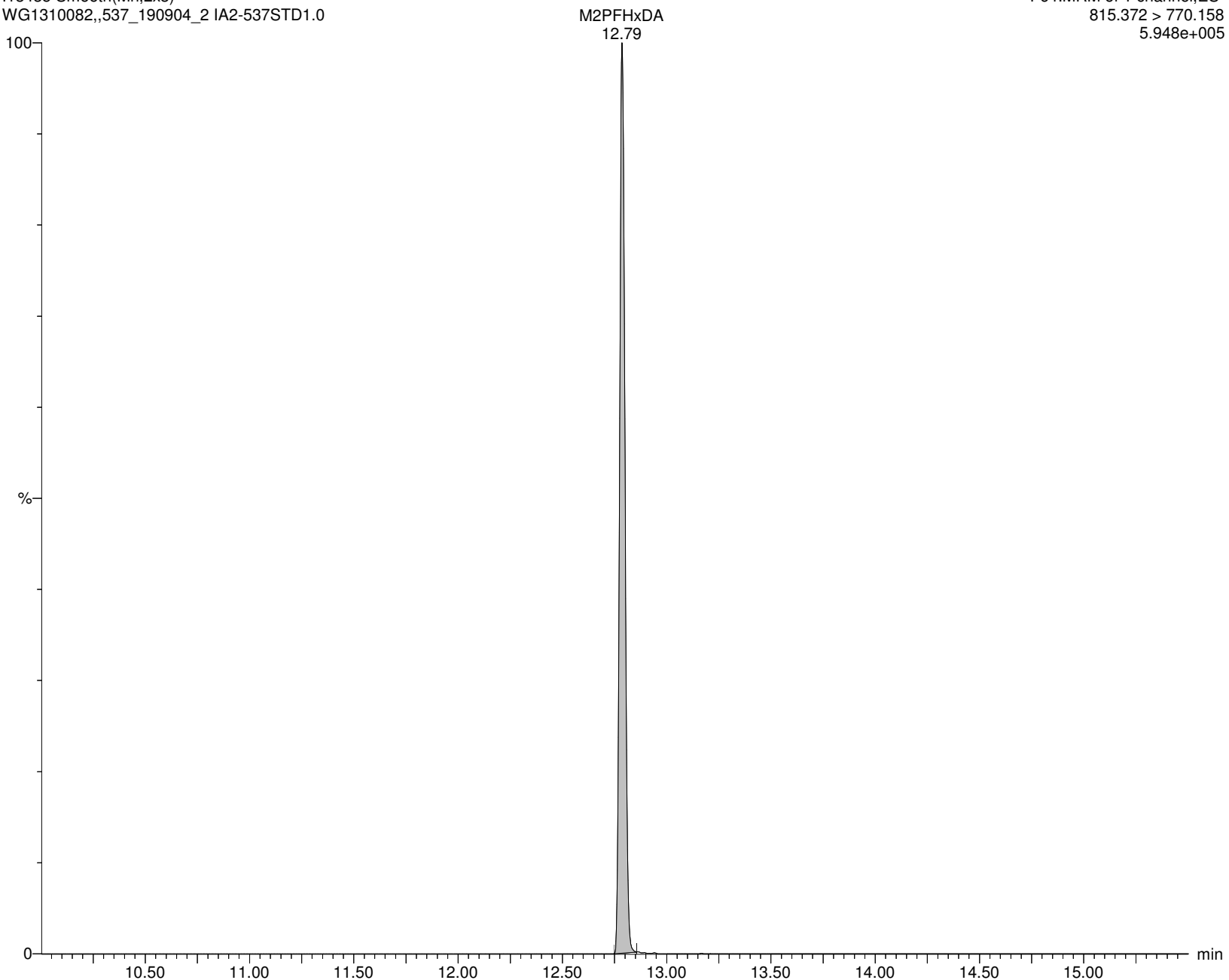
I13435 Smooth(Mn,2x3)

WG1310082,,537_190904_2 IA2-537STD1.0

F64:MRM of 1 channel,ES-

815.372 > 770.158

5.948e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13435 Smooth(Mn,2x5)

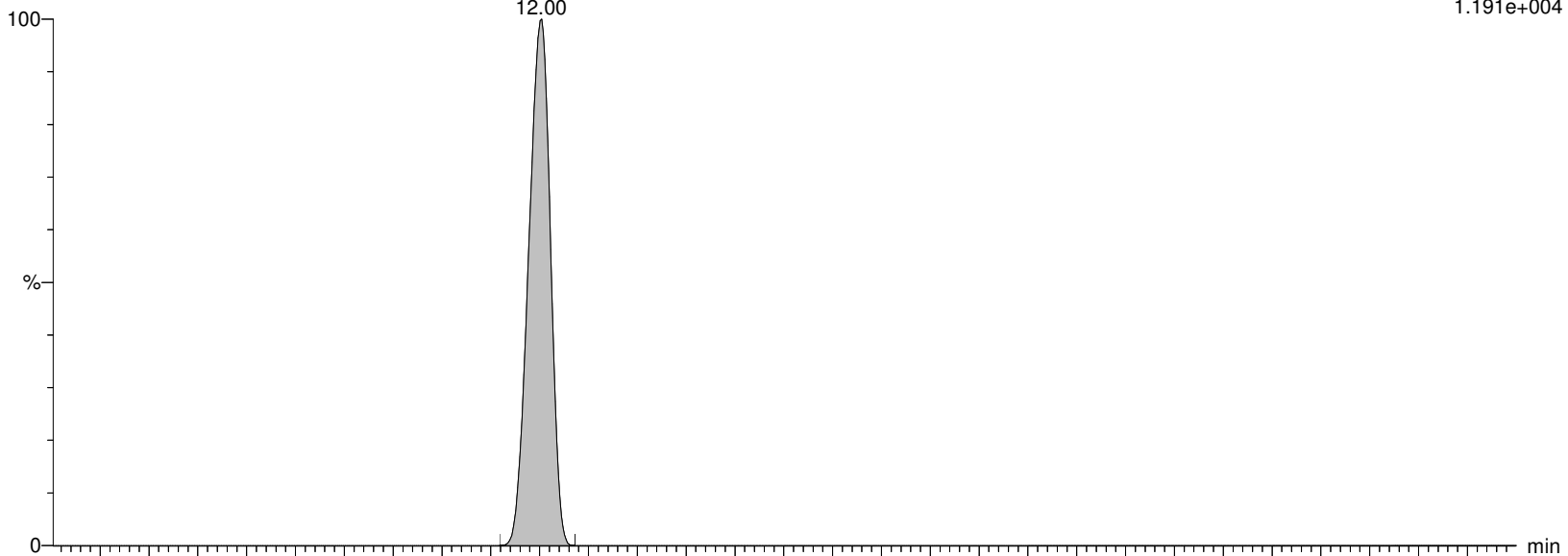
WG1310082,,537_190904_2 IA2-537STD1.0

PFDoS
12.00

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.191e+004



I13435 Smooth(Mn,2x5)

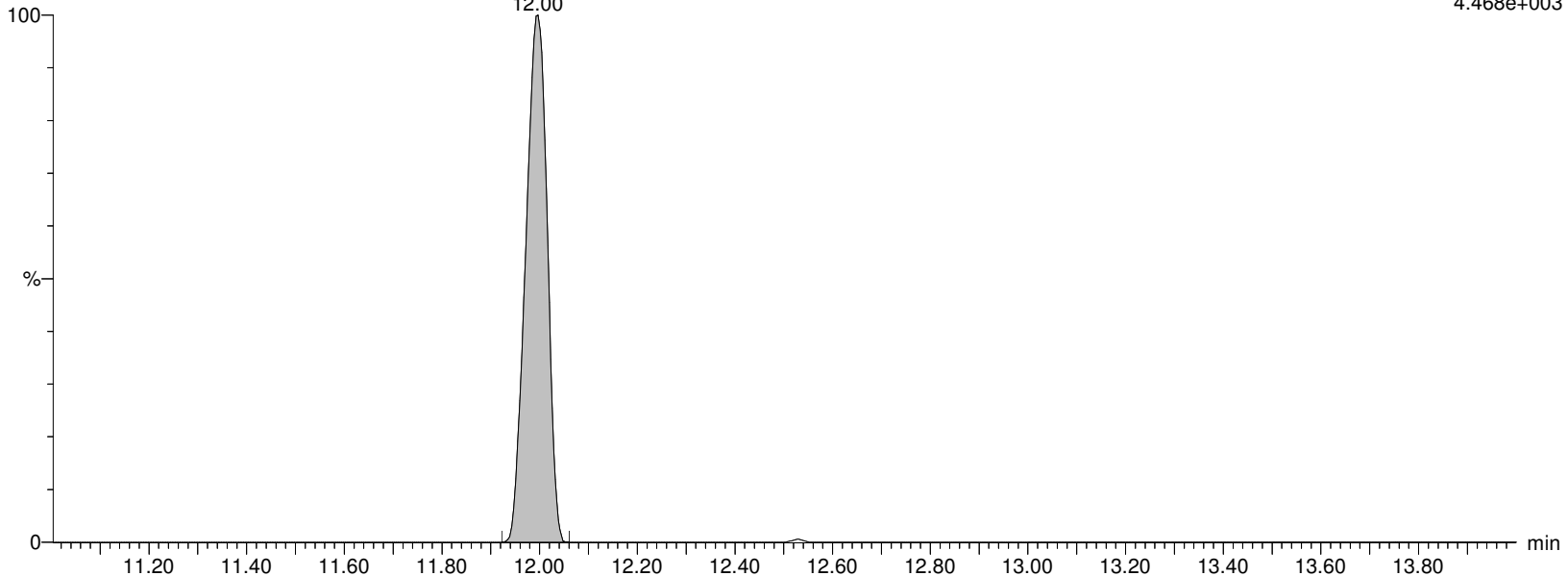
WG1310082,,537_190904_2 IA2-537STD1.0

PFDoS
12.00

F60:MRM of 2 channels,ES-

698.649 > 98.786

4.468e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

10:2FTS

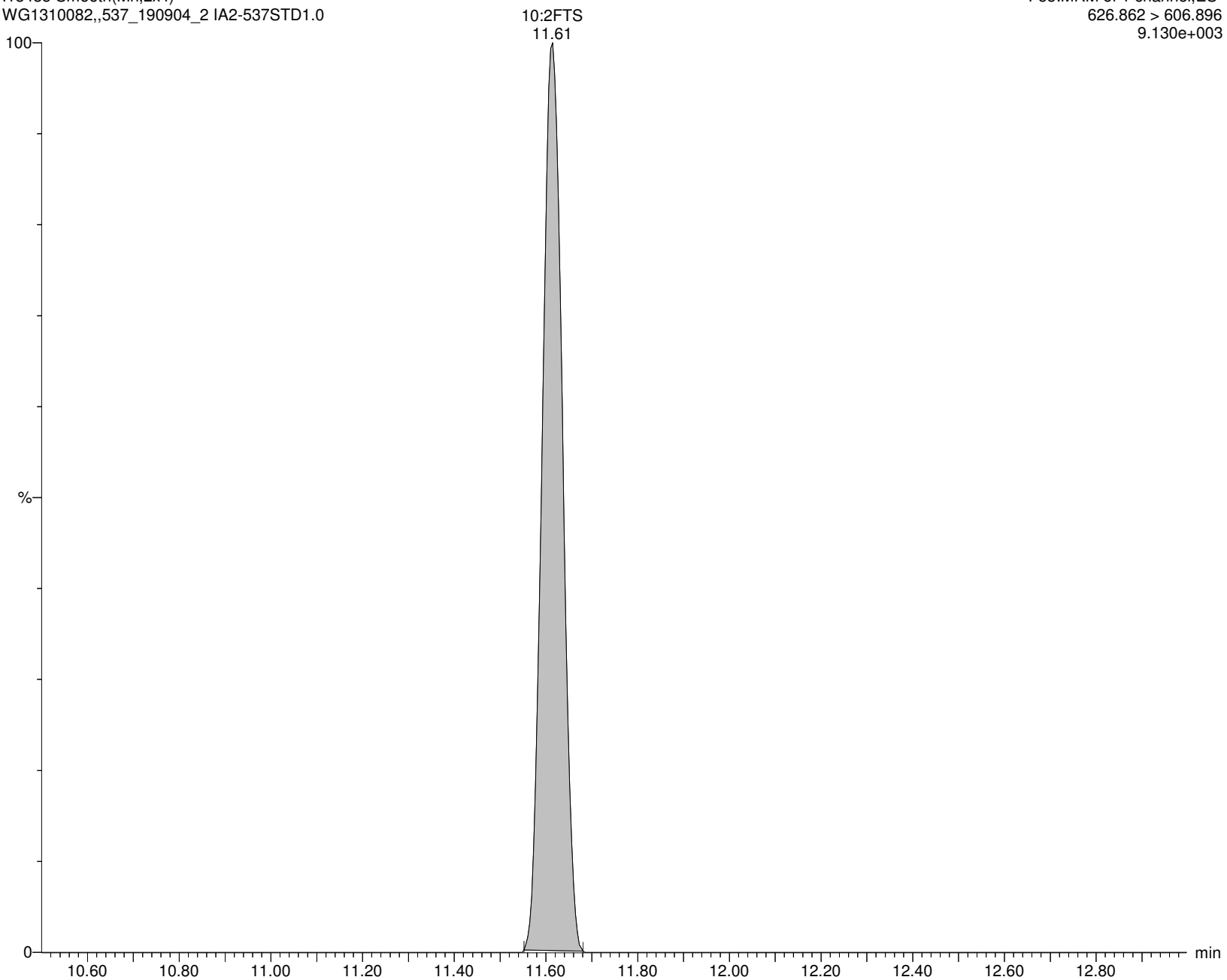
I13435 Smooth(Mn,2x4)

WG1310082,,537_190904_2 IA2-537STD1.0

F55:MRM of 1 channel,ES-

626.862 > 606.896

9.130e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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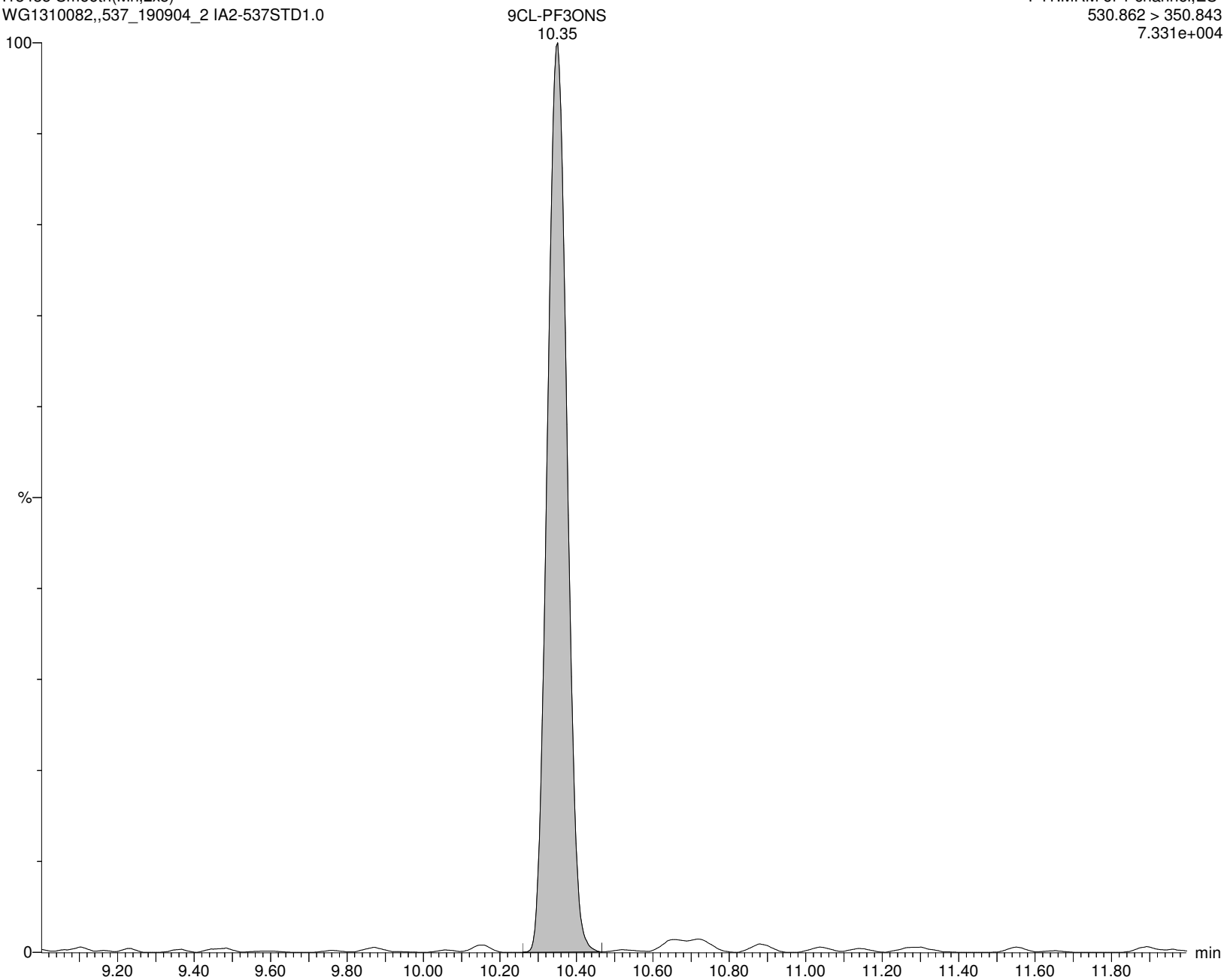
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F41:MRM of 1 channel,ES-

530.862 > 350.843

7.331e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

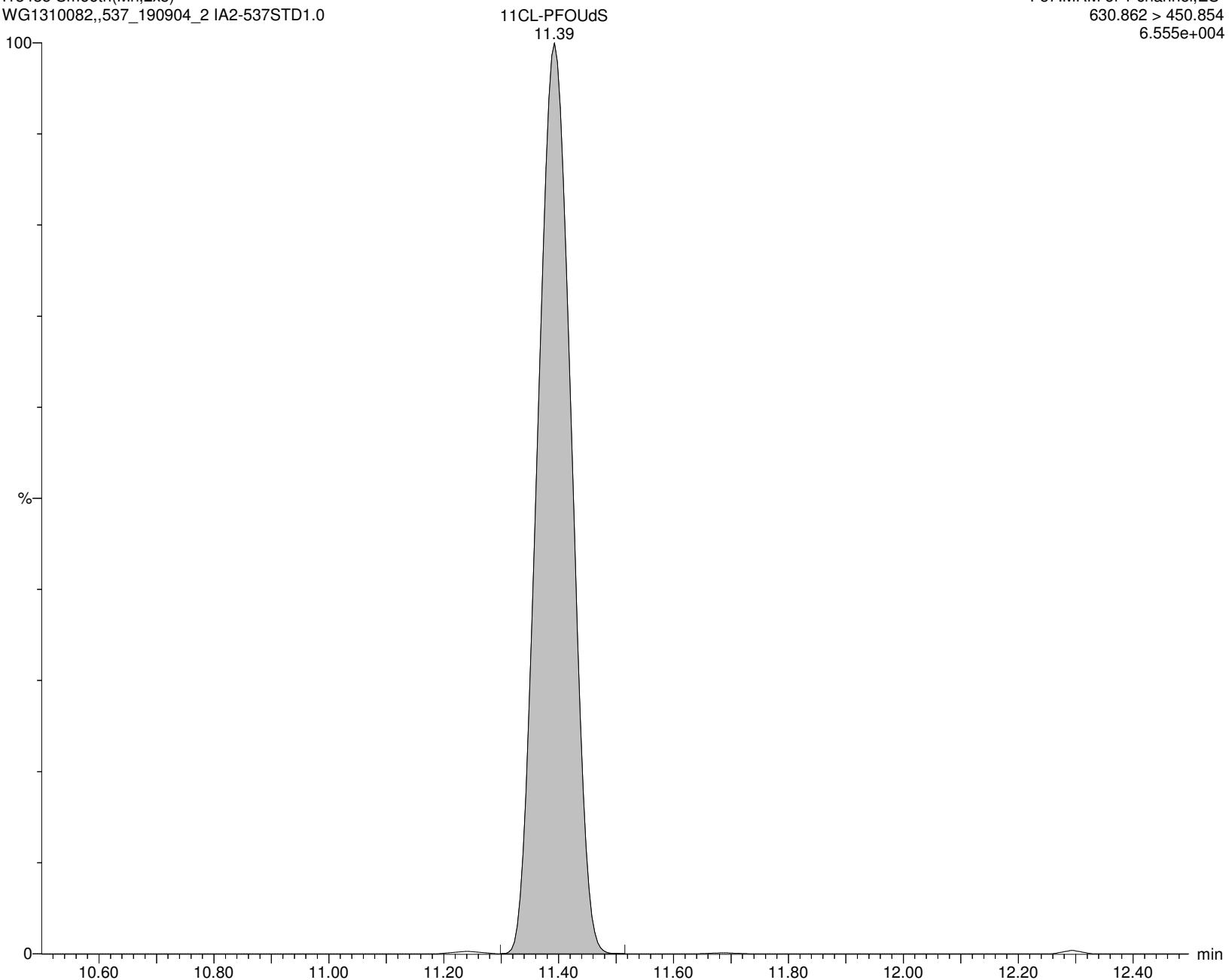
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F57:MRM of 1 channel,ES-

630.862 > 450.854

6.555e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NMeFOSA**

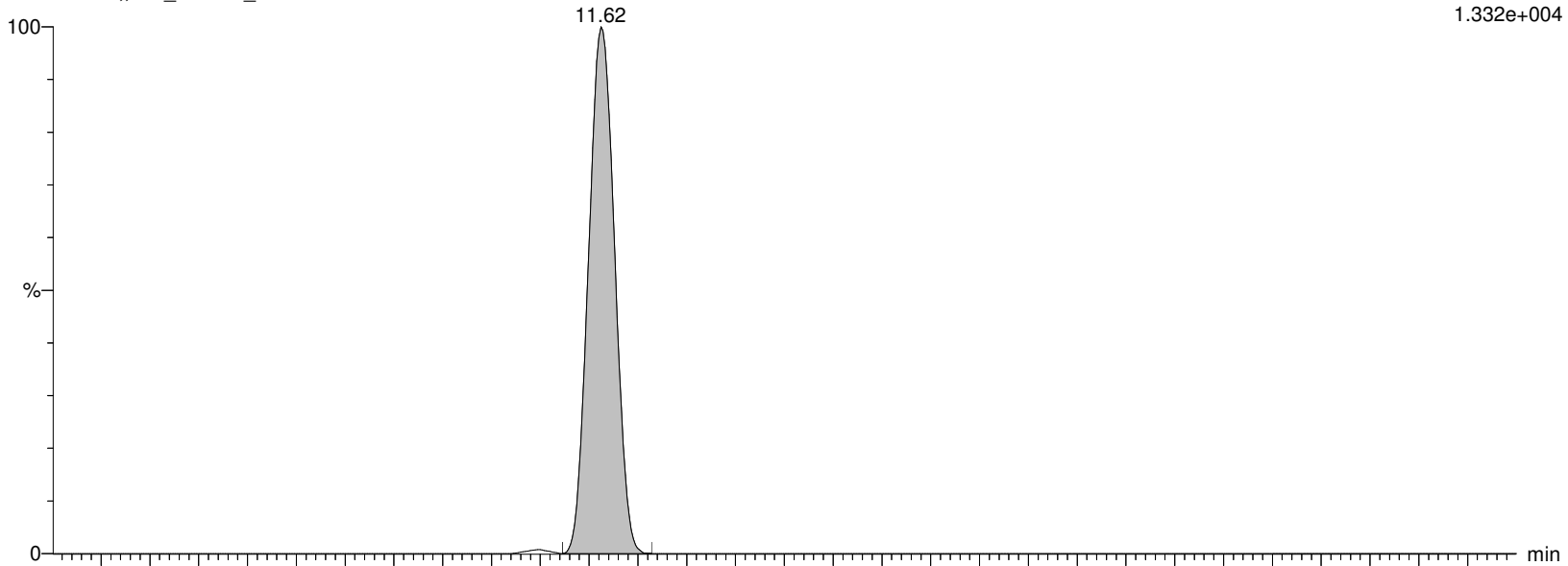
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F33:MRM of 2 channels,ES-

511.804 > 168.906

1.332e+004



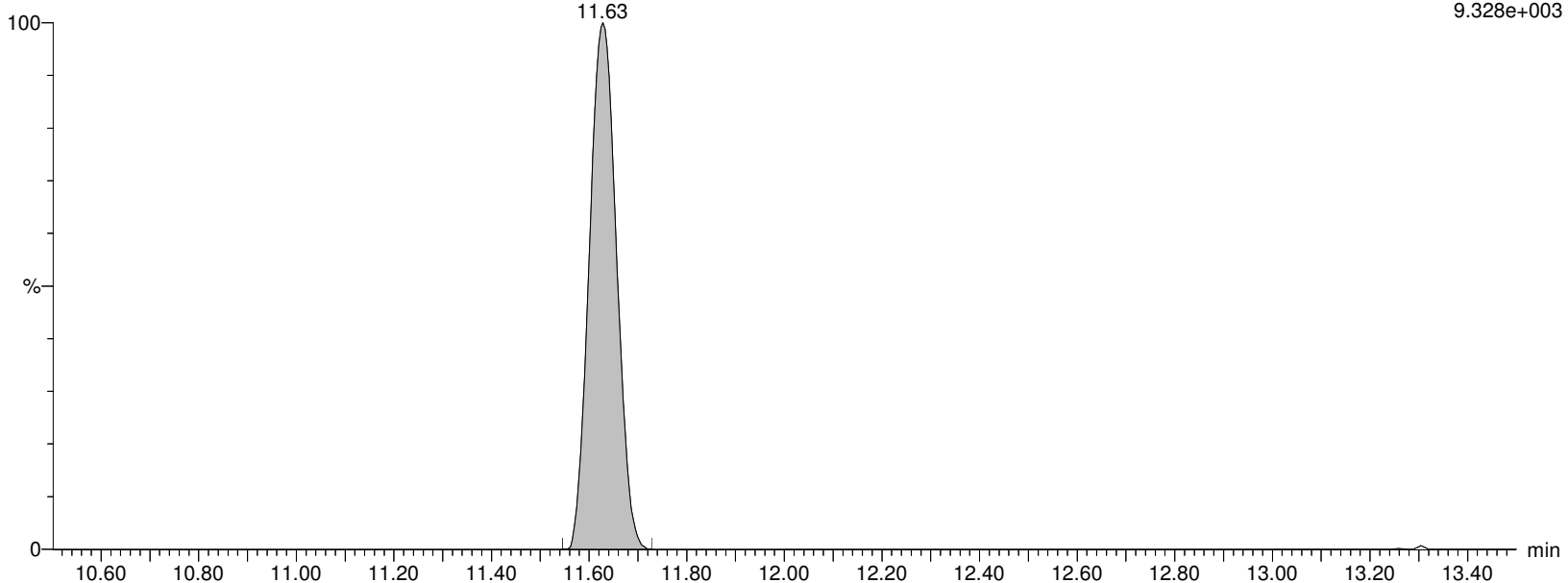
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F33:MRM of 2 channels,ES-

511.804 > 218.918

9.328e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

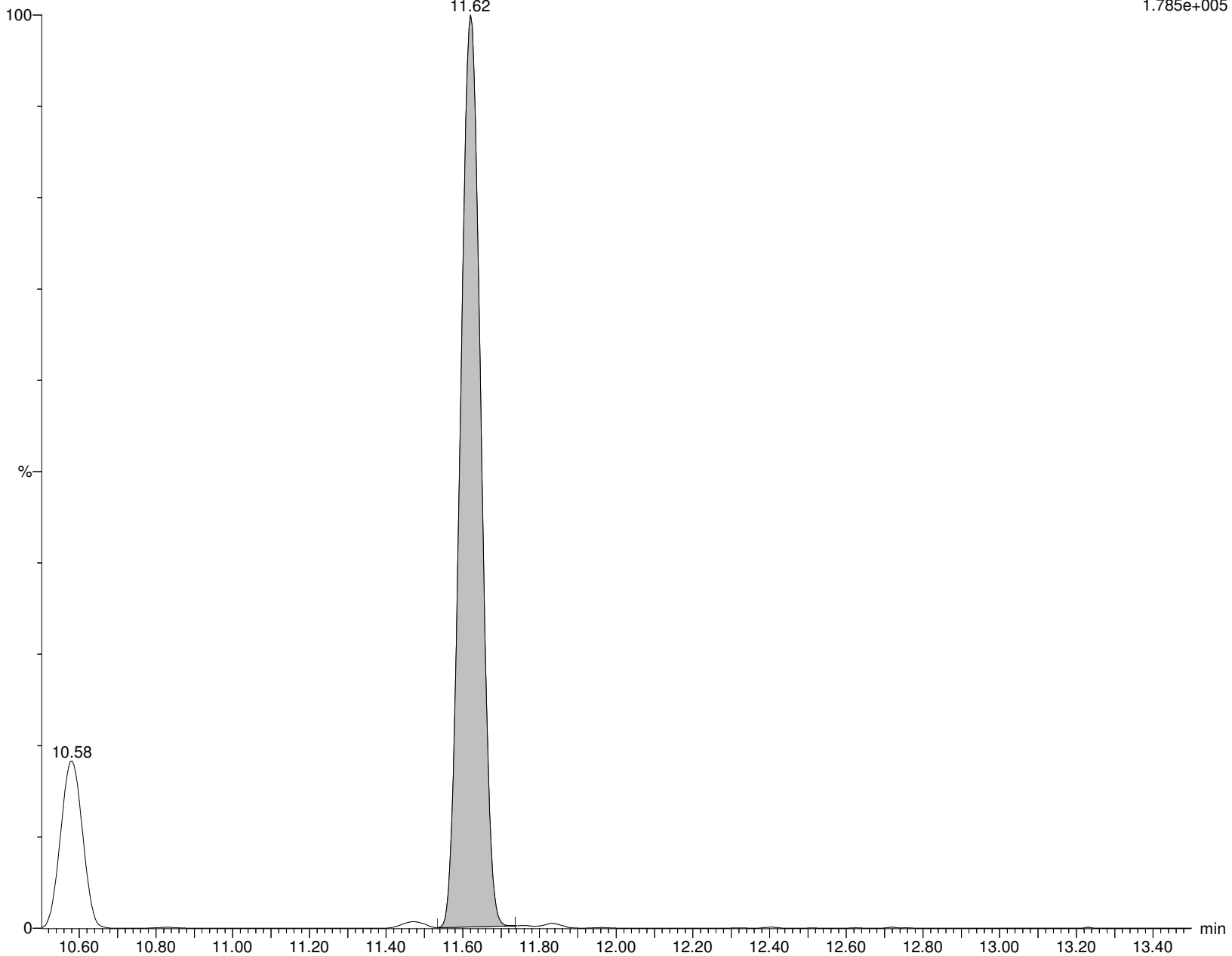
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.785e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

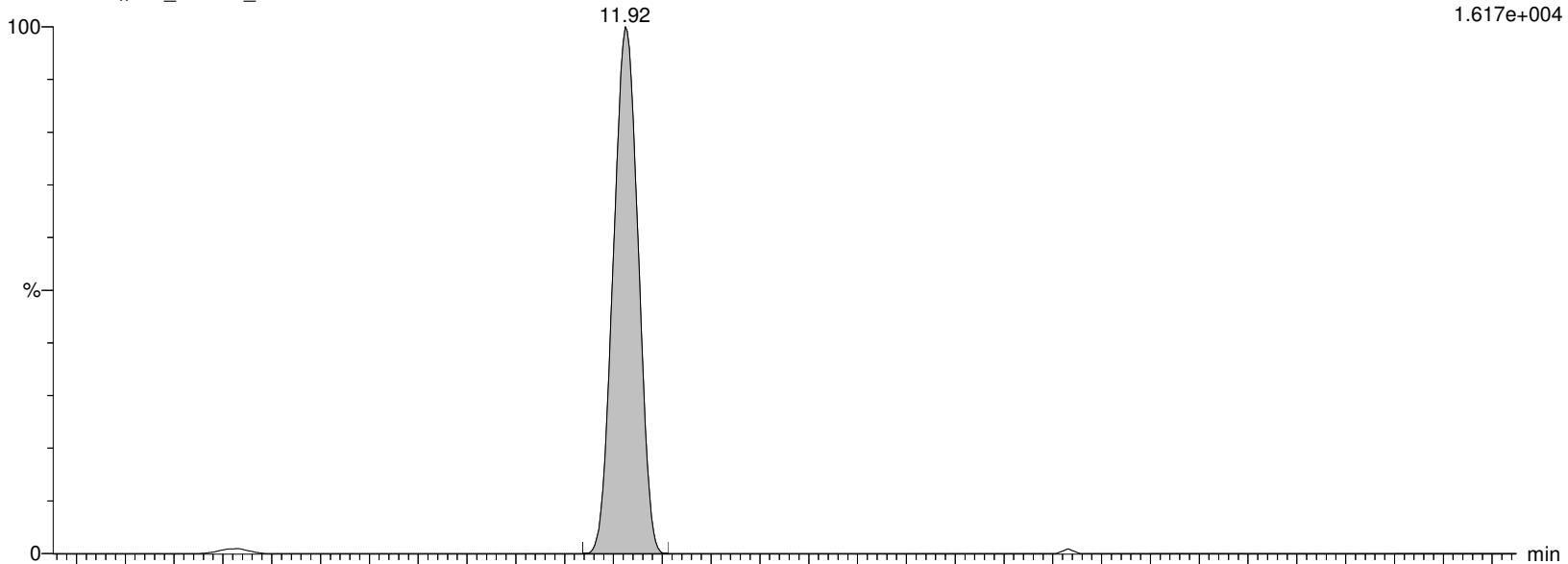
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F38:MRM of 2 channels,ES-

525.84 > 168.92

1.617e+004



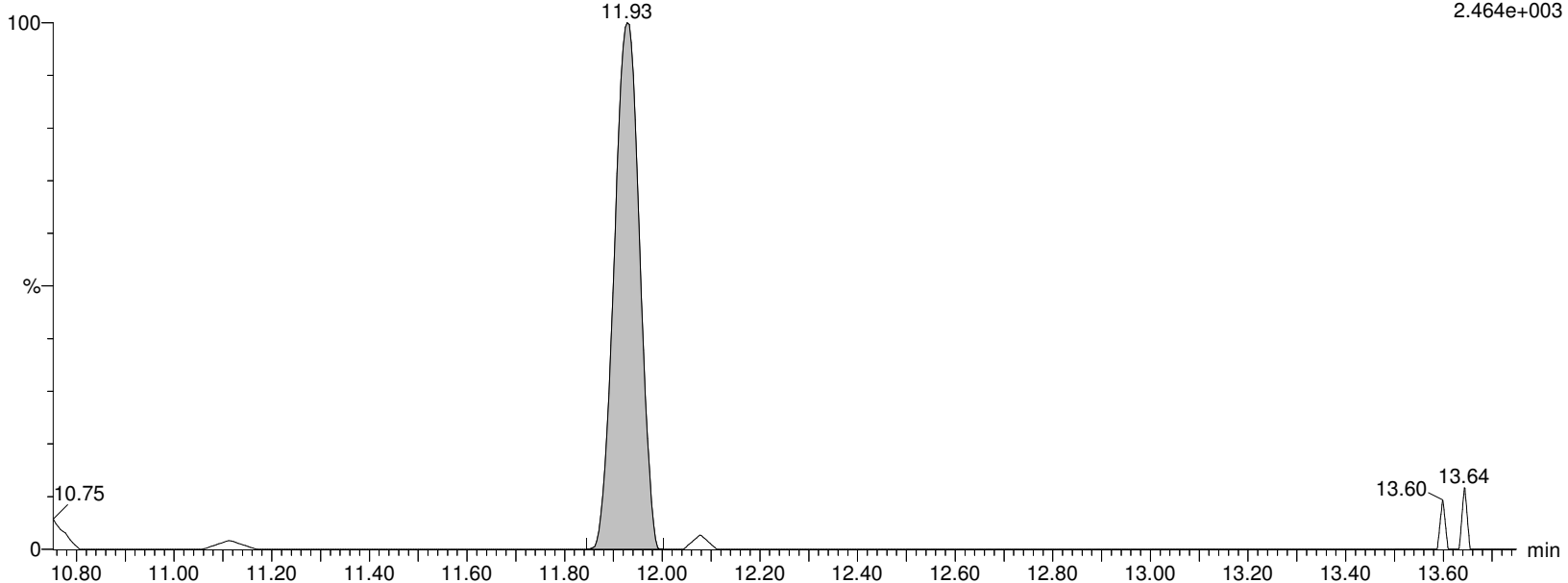
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F38:MRM of 2 channels,ES-

525.84 > 118.893

2.464e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435**ID: IA2-537STD1.0****Date: 18-Nov-2019****Time: 10:53:49****Description: WG1310082,,537_190904_2****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

I13435 Smooth(Mn,2x5)

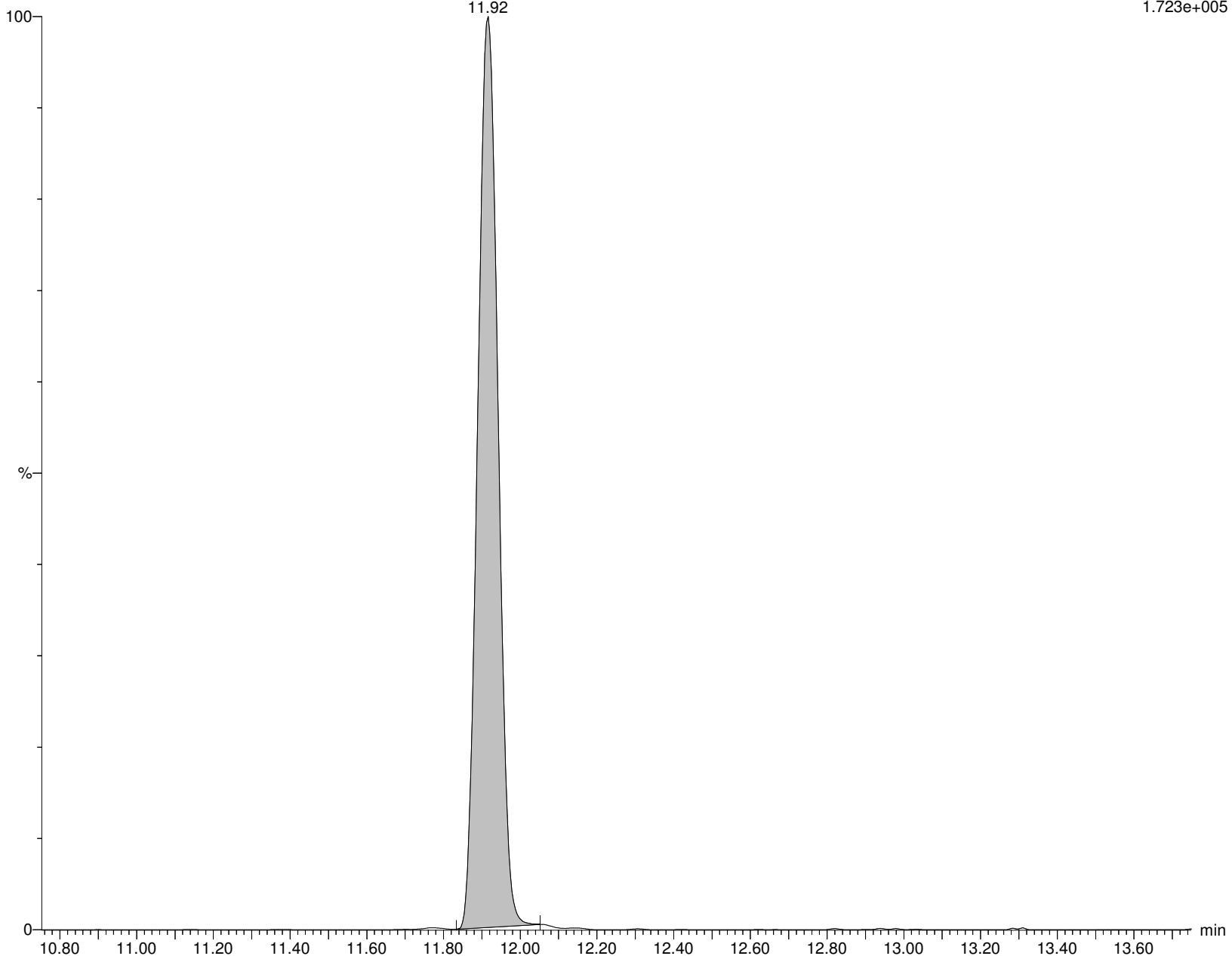
WG1310082,,537_190904_2 IA2-537STD1.0

d5-NEtFOSA
11.92

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.723e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

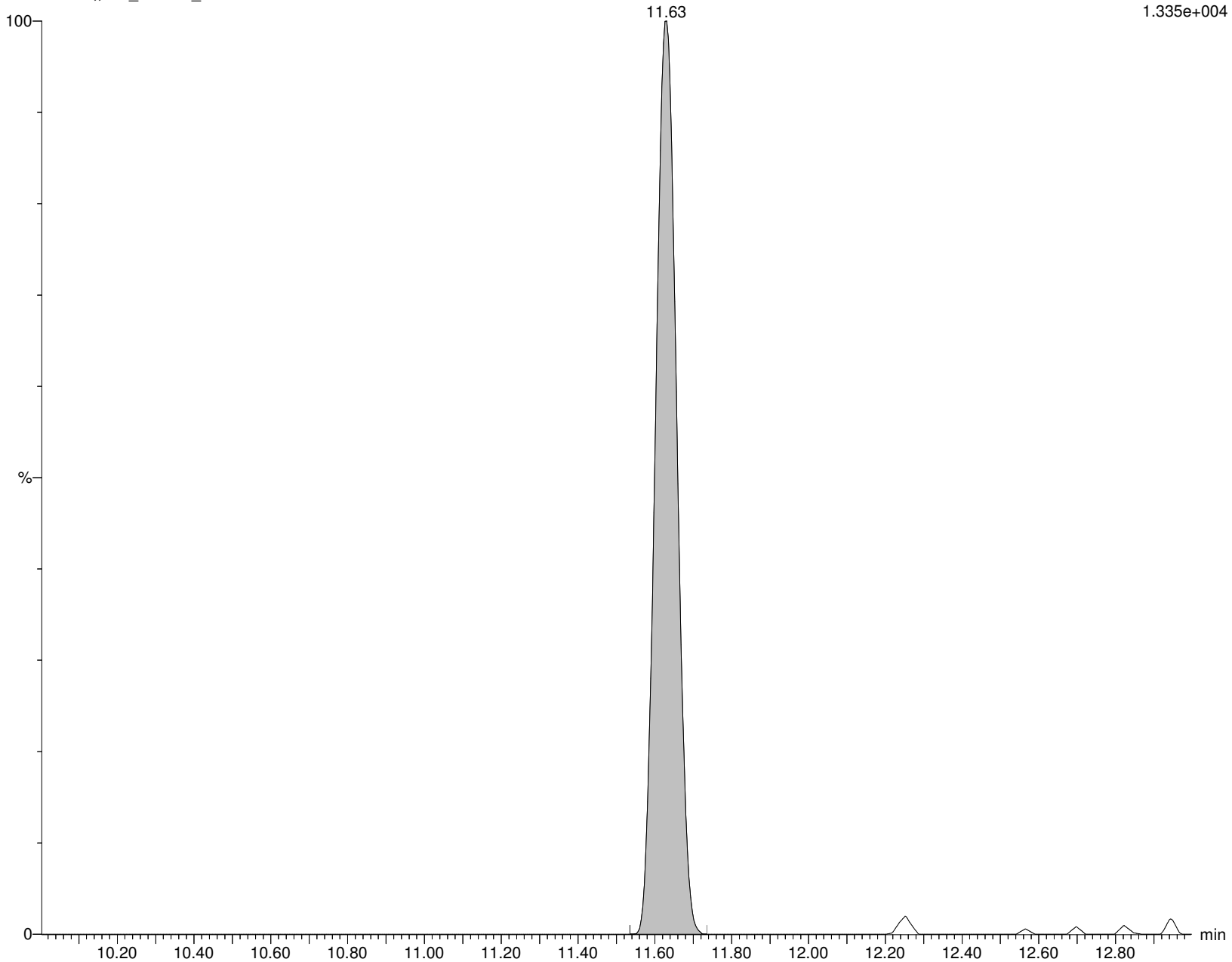
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F53:MRM of 1 channel,ES-

615.862 > 58.9

1.335e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

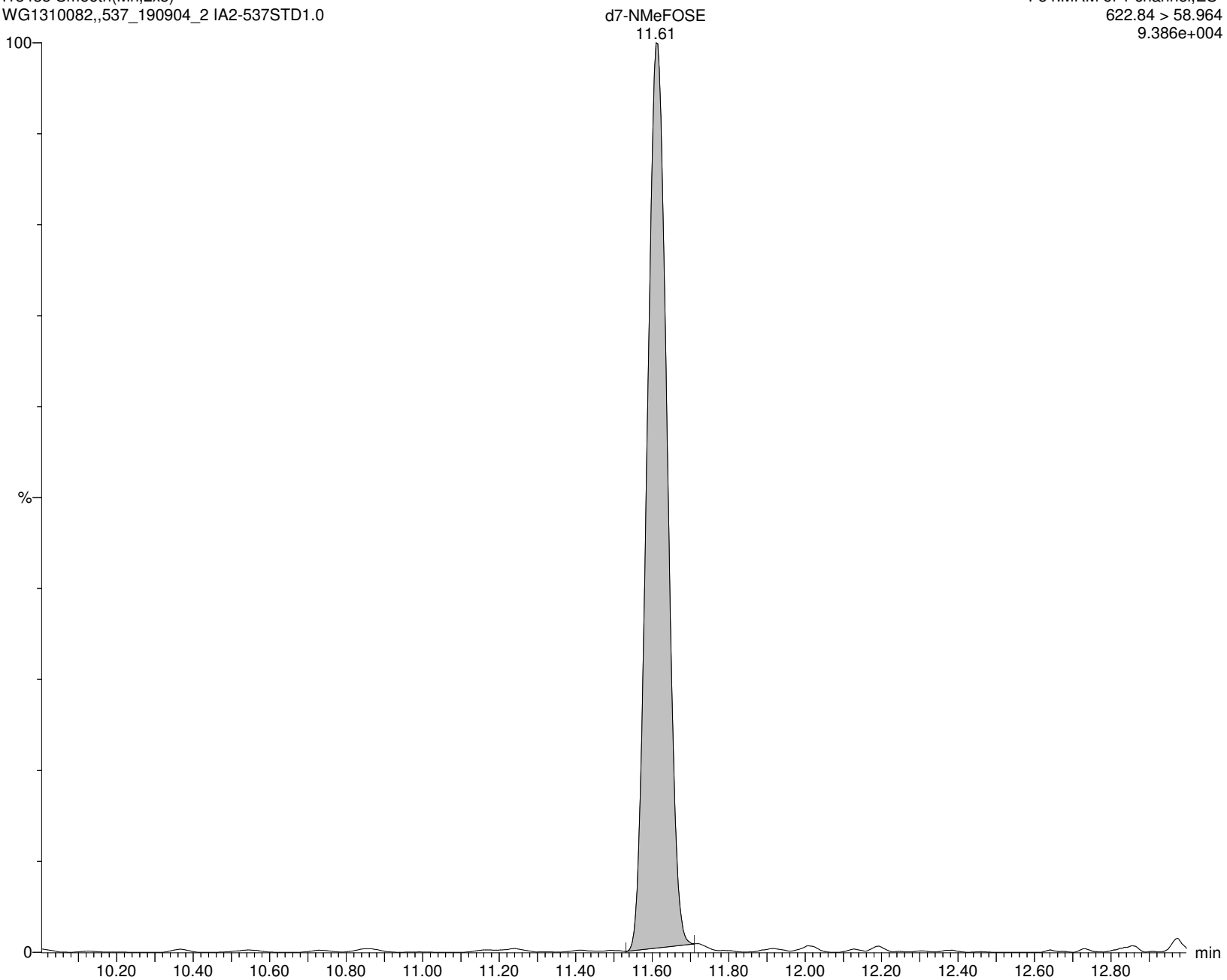
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F54:MRM of 1 channel,ES-

622.84 > 58.964

9.386e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NettFOSE

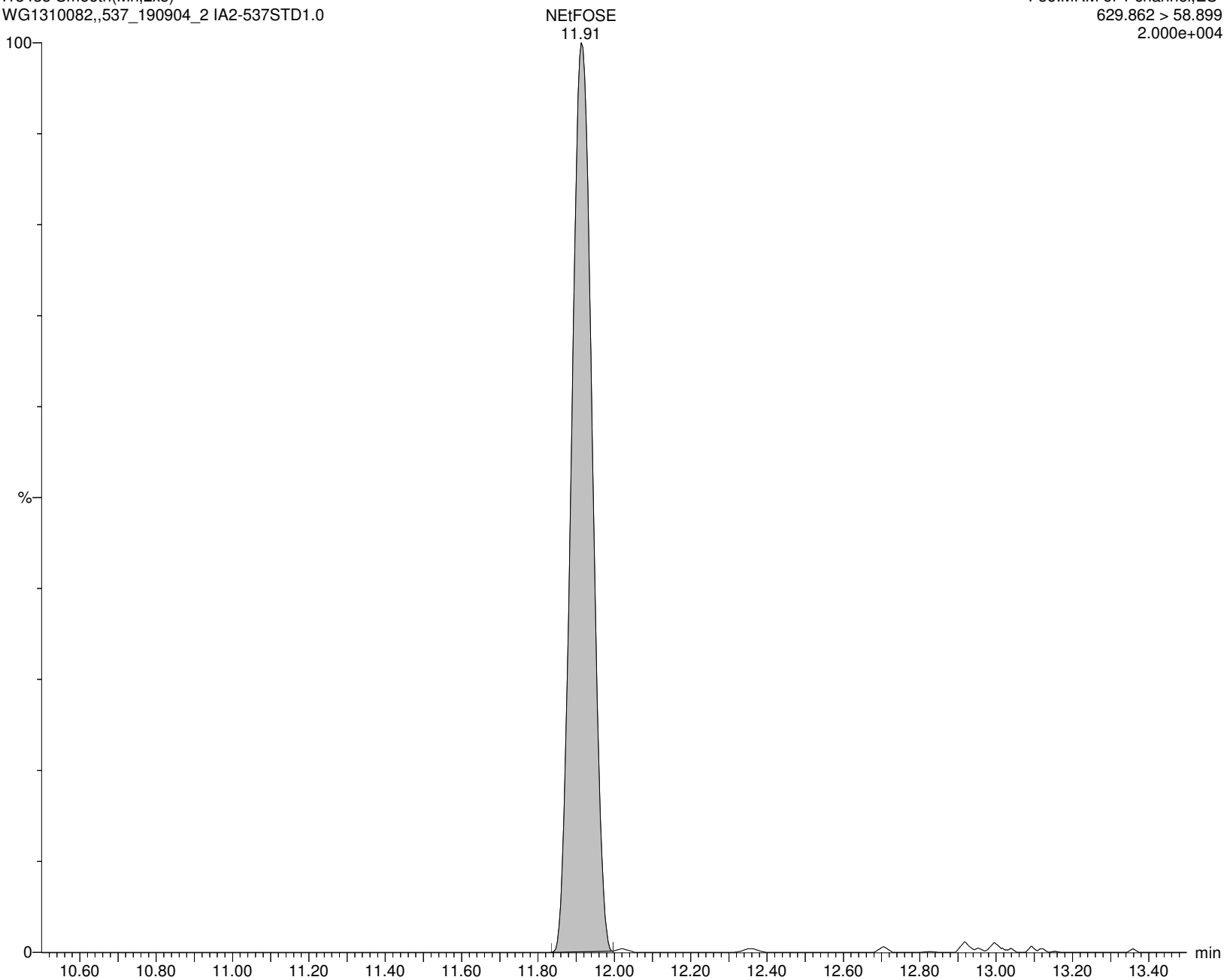
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F56:MRM of 1 channel,ES-

629.862 > 58.899

2.000e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:51 Eastern Standard Time

Name: I13435

ID: IA2-537STD1.0

Date: 18-Nov-2019

Time: 10:53:49

Description: WG1310082,,537_190904_2

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

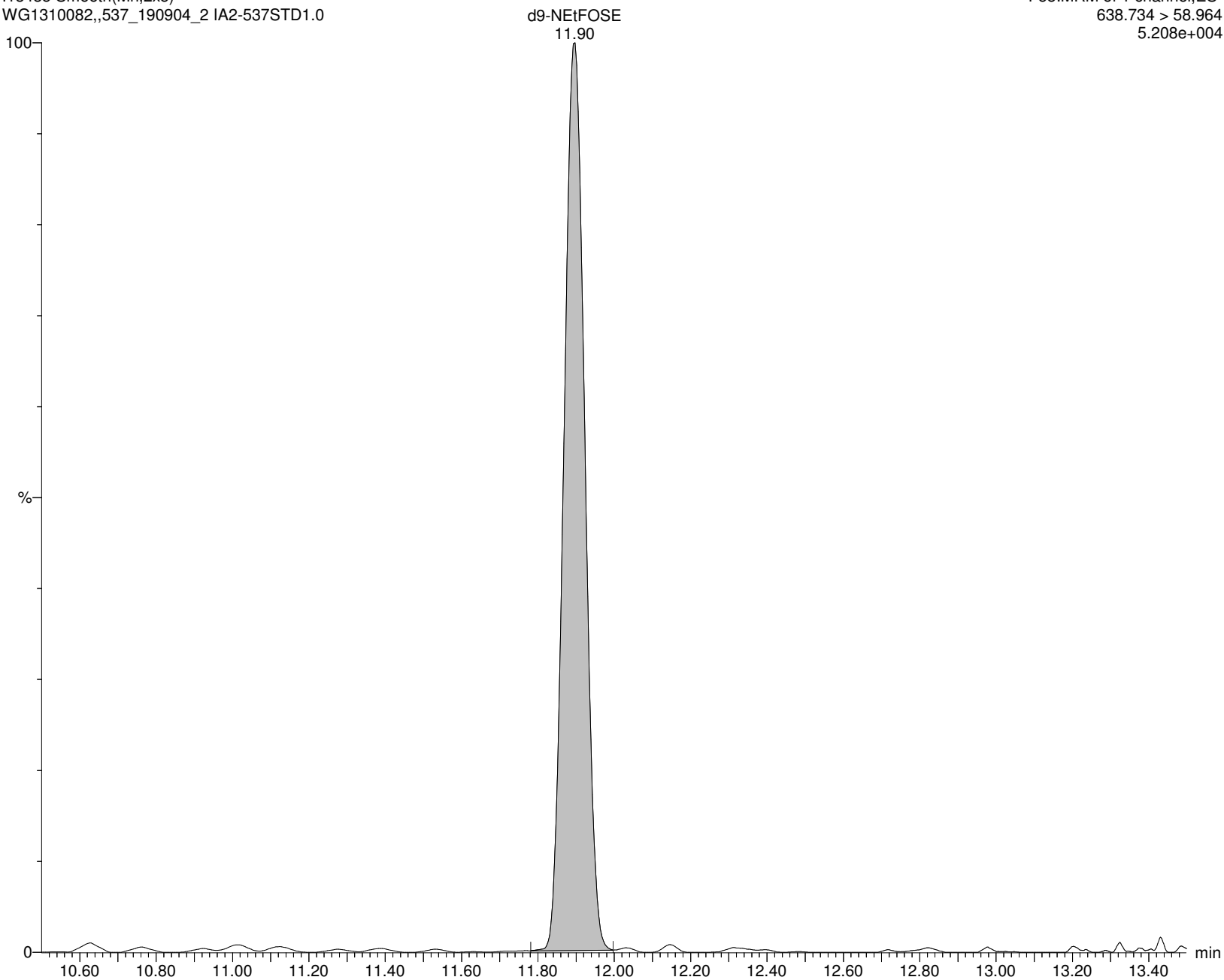
I13435 Smooth(Mn,2x5)

WG1310082,,537_190904_2 IA2-537STD1.0

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.208e+004



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld
Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time
Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34
Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD5.0
Name: I13436
Date: 18-Nov-2019
Time: 11:10:20
Description: WG1310082,,537_190904_3
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	24282		5.570		na	111.4
2	M3PFBA	INT STD	2.20	215.926 > 172.122	48104		10.382		na	103.8
3	MPFBA	INT STD	2.19	216.926 > 172.137	52211		9.974		na	99.7
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	40900		5.604		na	112.1
5	M5PFPEA	INT STD	5.10	267.989 > 223.081	75572		10.178		na	101.8
6	PFBS	375-73-5	5.75	298.926 > 79.923	7652		4.956	1.92	NO	112.0
7	M3PFBS	INT STD	5.75	301.989 > 80.254	10510		9.079		na	90.8
8	4:2FTS	757124-72-4	6.92	326.926 > 306.957	3446		5.526	2.25	NO	118.2
9	M2-4:2FTS	INT STD	6.92	329.117 > 309.079	5712		7.601		na	76.0
10	PFHxA	307-24-4	7.00	312.989 > 269.028	45762		5.710	18.75	NO	114.2
11	M5PFHxA	INT STD	7.00	317.989 > 273.045	87051		10.008		na	100.1
12	PFPeS	2706-91-4	7.31	348.926 > 80.251	5127		4.740	1.65	NO	100.9
13	PFHpA	375-85-9	8.26	362.926 > 319.014	60758		5.723	5.90	NO	114.5
14	M4PFHpA	INT STD	8.26	366.926 > 321.979	117692		10.158		na	101.6
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	519	M5	0.678	1.91	NO	79.8
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	3163		3.904	1.19	NO	105.5
17	PFHxS	355-46-4		398.926 > 80.295	3681		4.582		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	6467		9.679		na	96.8
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	58198		5.631	9.47	NO	112.6
21	PFOA	335-67-1		412.989 > 368.9	58198		5.631		na	
22	M8PFOA	INT STD	9.19	420.989 > 375.979	112562		10.124		na	101.2
23	M2PFOA	INT STD	9.19	415.032 > 369.968	113627		10.749		na	107.5
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	2365		5.188	14.79	NO	109.2
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	5687		7.743		na	77.4
26	PFHpS	375-92-8	9.28	448.926 > 80.257	2921		5.646	0.85	YES	118.9
27	PFNA	375-95-1	9.94	462.989 > 418.931	52308		5.690	4.48	NO	113.8
28	M9PFNA	INT STD	9.94	472.053 > 426.947	112216		10.258		na	102.6
29	br-PFOS	1763-23-1	9.80	498.989 > 80.294	1019	M5	0.992	5.67	NO	99.2
30	L-PFOS	1763-23-1	9.99	498.989 > 80.294	3141		4.074	1.45	NO	111.6
31	PFOS	1763-23-1		498.989 > 80.294	4160		5.066		na	
32	M4PFOS	INT STD	9.99	503.032 > 80.306	8270		11.841		na	118.4
33	M8PFOS	INT STD	9.99	507.053 > 80.294	7857		9.259		na	92.6
34	PFDA	335-76-2	10.57	513.053 > 468.906	49945		5.585	6.18	NO	111.7
35	M2PFDA	INT STD	10.57	515.053 > 469.934	99527		11.273		na	112.7
36	M6PFDA	INT STD	10.57	519.053 > 473.931	104240		10.134		na	101.3
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	2399		6.103		na	127.1
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	3681		8.544		na	85.4
39	PFNS	68259-12-1	10.60	548.989 > 80.249	4373		5.984	1.33	NO	124.7

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

ID: IA2-537STD5.0

Name: I13436

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	10156		8.669		na	86.7
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	5530		5.843	2.80	NO	116.9
43	NMeFOSAA	2355-31-9		570.053 > 418.917	5530		5.843		na	
44	PFUnA	2058-94-8	11.12	562.989 > 518.903	51117		5.455	8.16	NO	109.1
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	97998		10.739		na	107.4
46	PFDS	335-77-3	11.13	598.926 > 80.314	3124		5.981	0.92	NO	124.0
47	FOSA	754-91-6	11.01	497.989 > 78.245	12992		5.461	154.86	NO	109.2
48	M8FOSA	INT STD	11.01	506.053 > 78.286	22388		9.206		na	92.1
49	d5-NEtFOSAA	INT STD	11.24	589.117 > 418.929	9137		8.829		na	88.3
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	5154		5.975	2.39	NO	119.5
52	NEtFOSAA	2991-50-6		583.989 > 418.927	5154		5.975		na	
53	PFDoA	307-55-1	11.59	612.989 > 568.967	48924		5.589	14.64	NO	111.8
54	MPFDOA	INT STD	11.59	614.989 > 569.92	103349		10.095		na	101.0
55	PFTTrDA	72629-94-8	12.00	663.053 > 618.969	40716		5.800	10.72	NO	116.0
56	PFTA	376-06-7	12.36	713.053 > 668.976	35875		5.657	9.51	NO	113.1
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	79195		9.739		na	97.4
58	M3HFPO-DA	INT STD	7.42	331.989 > 286.995	3738		76.726		na	38.4
59	HFPO-DA	13252-13-6	7.42	284.819 > 169.094	3729		120.149	3.16	YES	120.1
60	ADONA	958445-44-8	8.43	376.926 > 251.005	76970		5.201		na	109.9
61	PFHxDA		12.78	813.053 > 769.005	31167		5.116		na	102.3
62	PFODA		12.99	912.989 > 869.032	20393		4.568		na	91.4
63	M2PFHxDA		12.78	815.372 > 770.158	16613		9.598		na	96.0
64	PFDoS		11.99	698.649 > 79.853	2929		5.501	1.77	YES	110.0
65	10:2FTS		11.60	626.862 > 606.896	2107		5.561		na	115.4
66	9CL-PF3ONS		10.34	530.862 > 350.843	25232		4.887		na	104.9
67	11CL-PFOUdS		11.38	630.862 > 450.854	21642		4.972		na	105.6
68	NMeFOSA		11.62	511.804 > 168.906	4556		5.673	1.38	NO	113.5
69	d3-NMeFOSA		11.61	514.84 > 168.917	10805		8.519		na	85.2
70	NEtFOSA		11.92	525.84 > 168.92	4898		5.157	5.71	NO	103.1
71	d5-NEtFOSA		11.91	530.904 > 168.919	10840		8.738		na	87.4
72	NMeFOSE		11.62	615.862 > 58.9	5940		5.259		na	105.2
73	d7-NMeFOSE		11.61	622.84 > 58.964	5584		9.400		na	94.0
74	NEtFOSE		11.91	629.862 > 58.899	6476		4.988		na	99.8
75	d9-NEtFOSE		11.89	638.734 > 58.964	3289		9.469		na	94.7

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

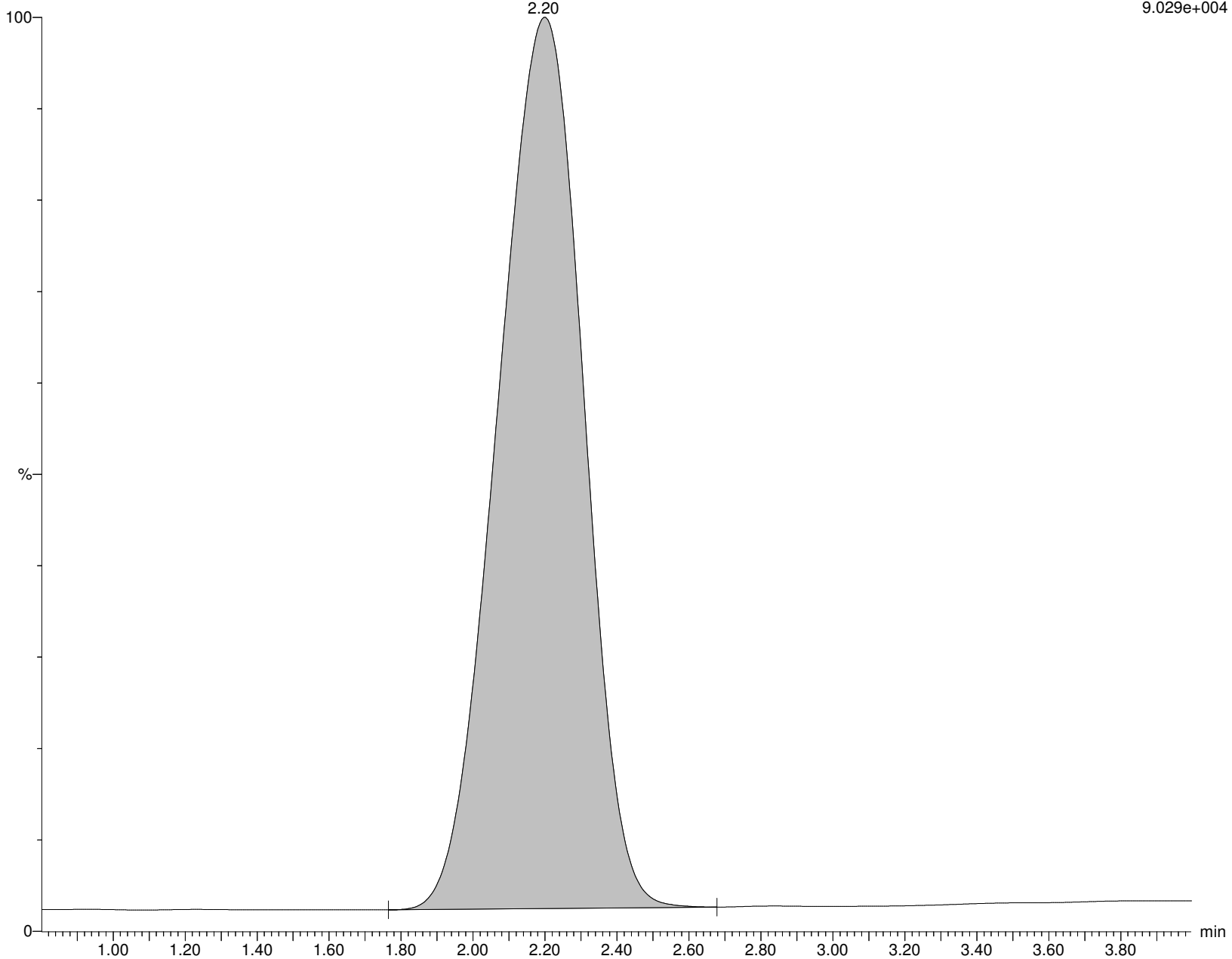
I13436 Smooth(Mn,8x8)

WG1310082,,537_190904_3 IA2-537STD5.0

F1:MRM of 1 channel,ES-

212.926 > 169.111

9.029e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

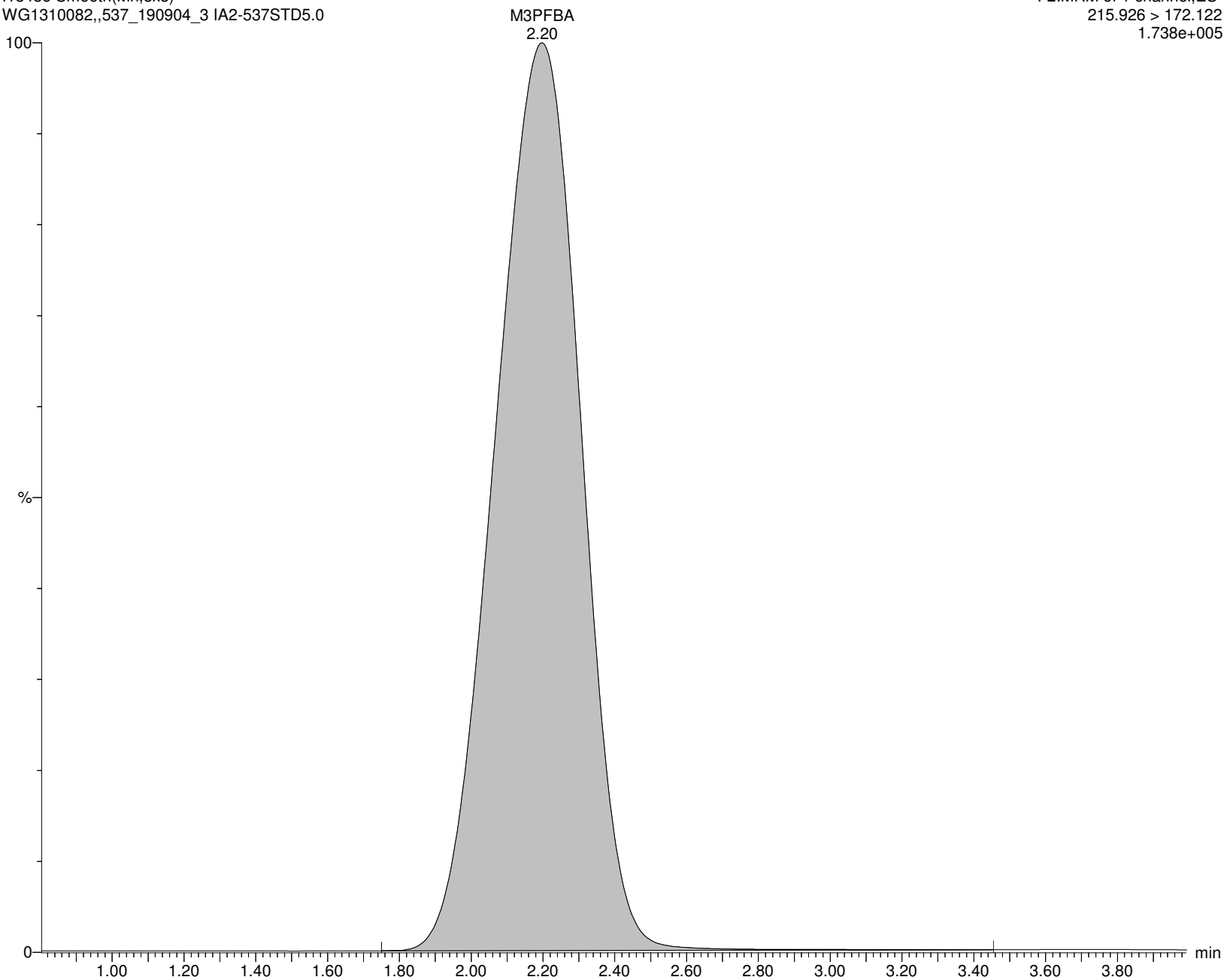
I13436 Smooth(Mn,8x8)

WG1310082,,537_190904_3 IA2-537STD5.0

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.738e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFBA

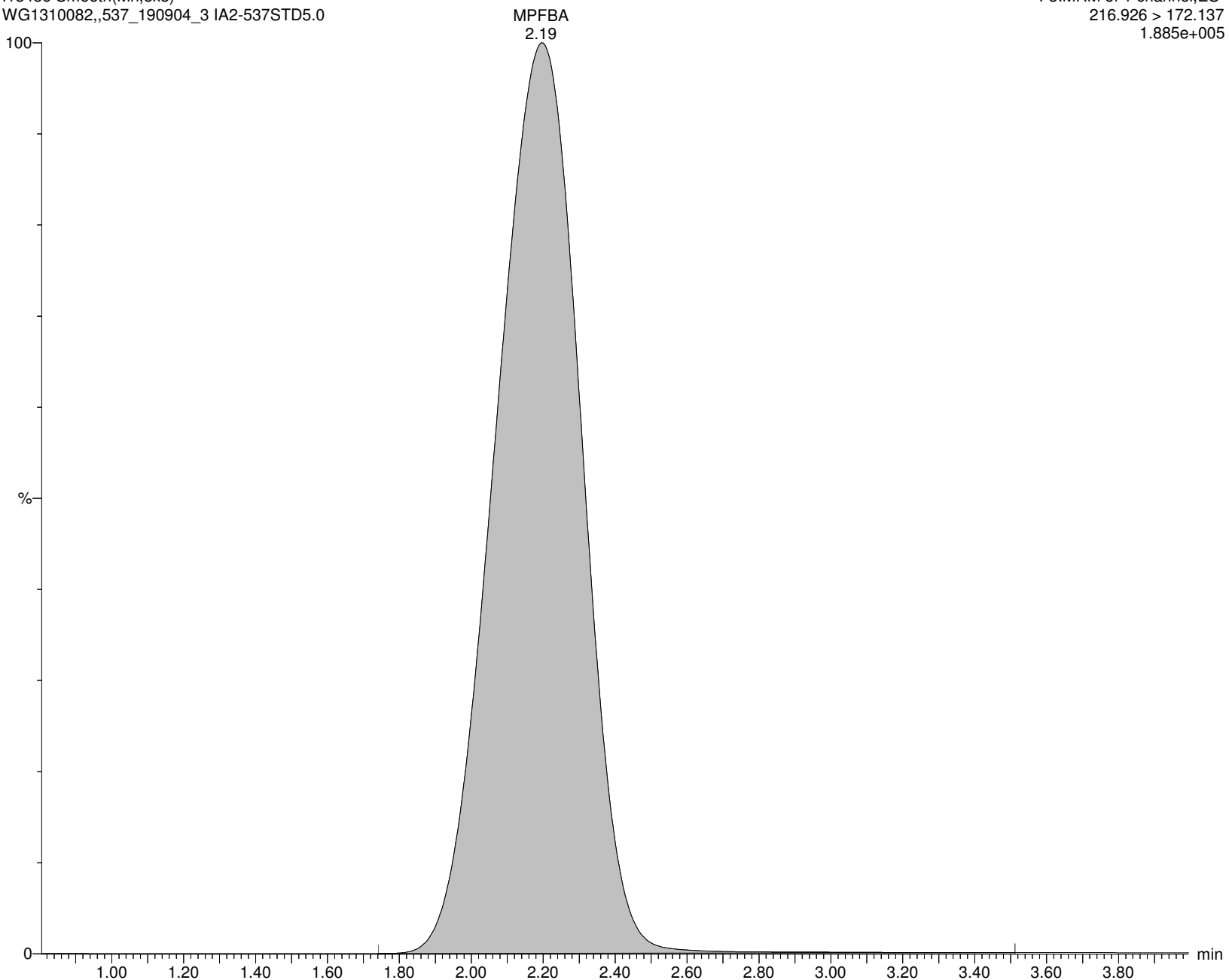
I13436 Smooth(Mn,8x8)

WG1310082,,537_190904_3 IA2-537STD5.0

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.885e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

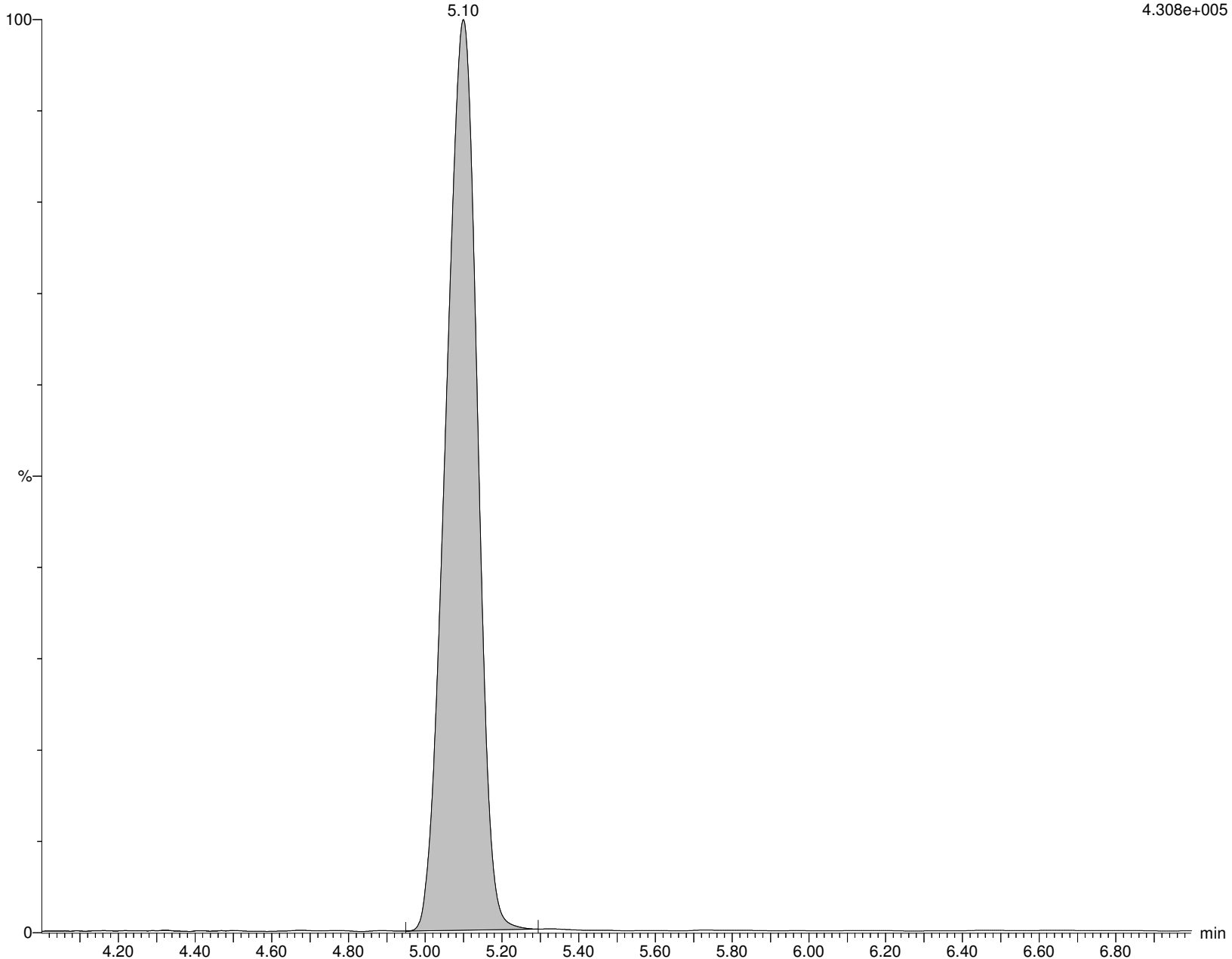
I13436 Smooth(Mn,7x7)

WG1310082,,537_190904_3 IA2-537STD5.0

F4:MRM of 1 channel,ES-

262.926 > 219.002

4.308e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I13436 Smooth(Mn,10x10)

WG1310082,,537_190904_3 IA2-537STD5.0

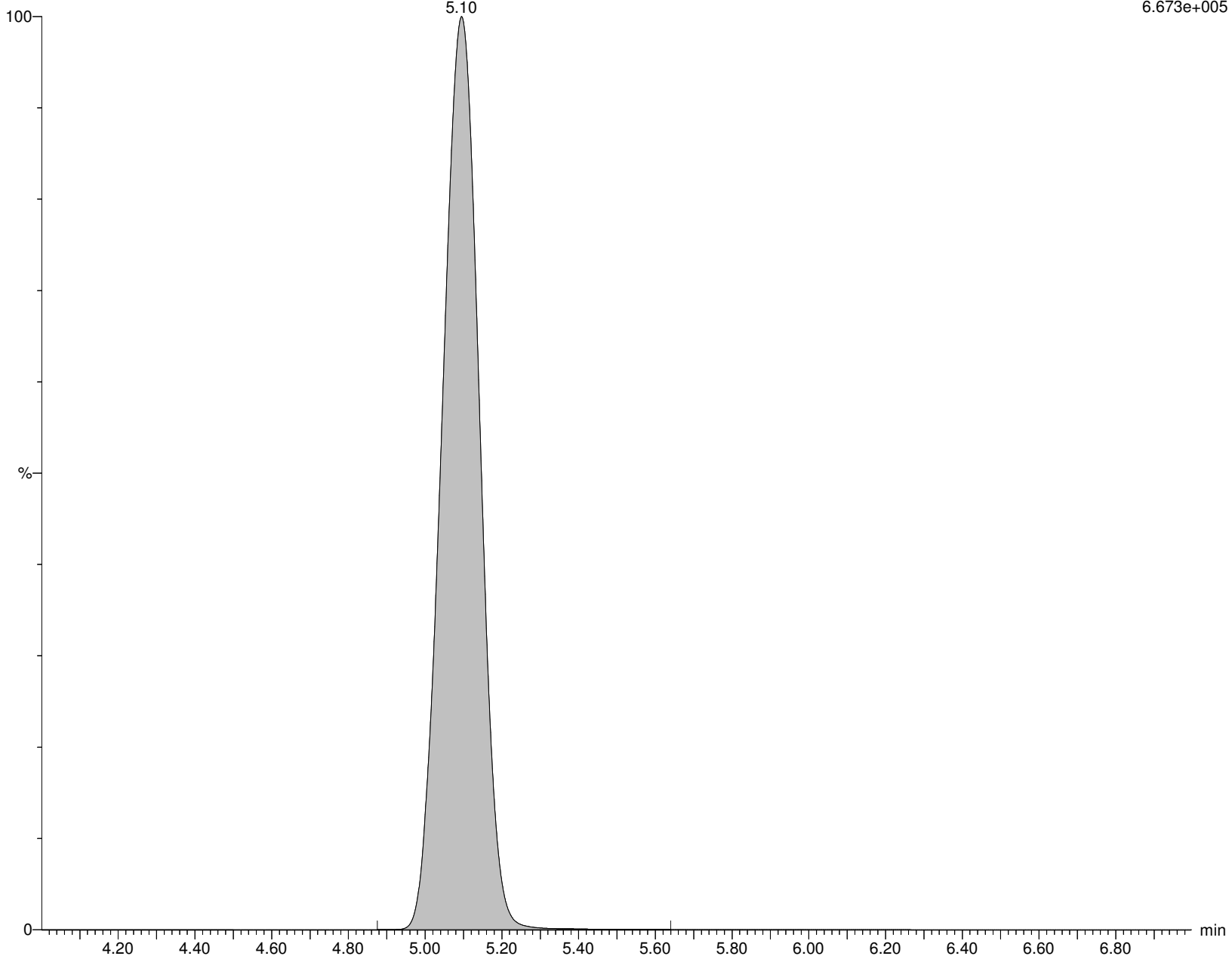
M5PFPEA

5.10

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.673e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

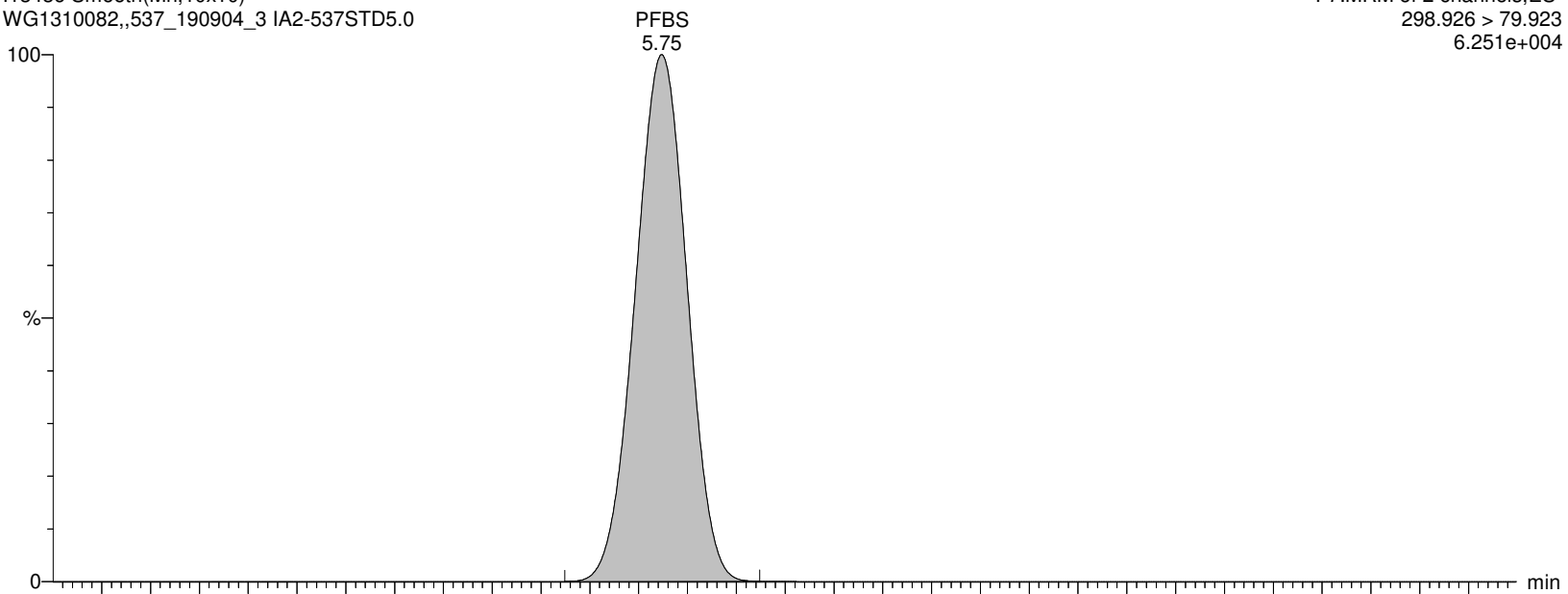
I13436 Smooth(Mn,10x10)

WG1310082,,537_190904_3 IA2-537STD5.0

F7:MRM of 2 channels,ES-

298.926 > 79.923

6.251e+004



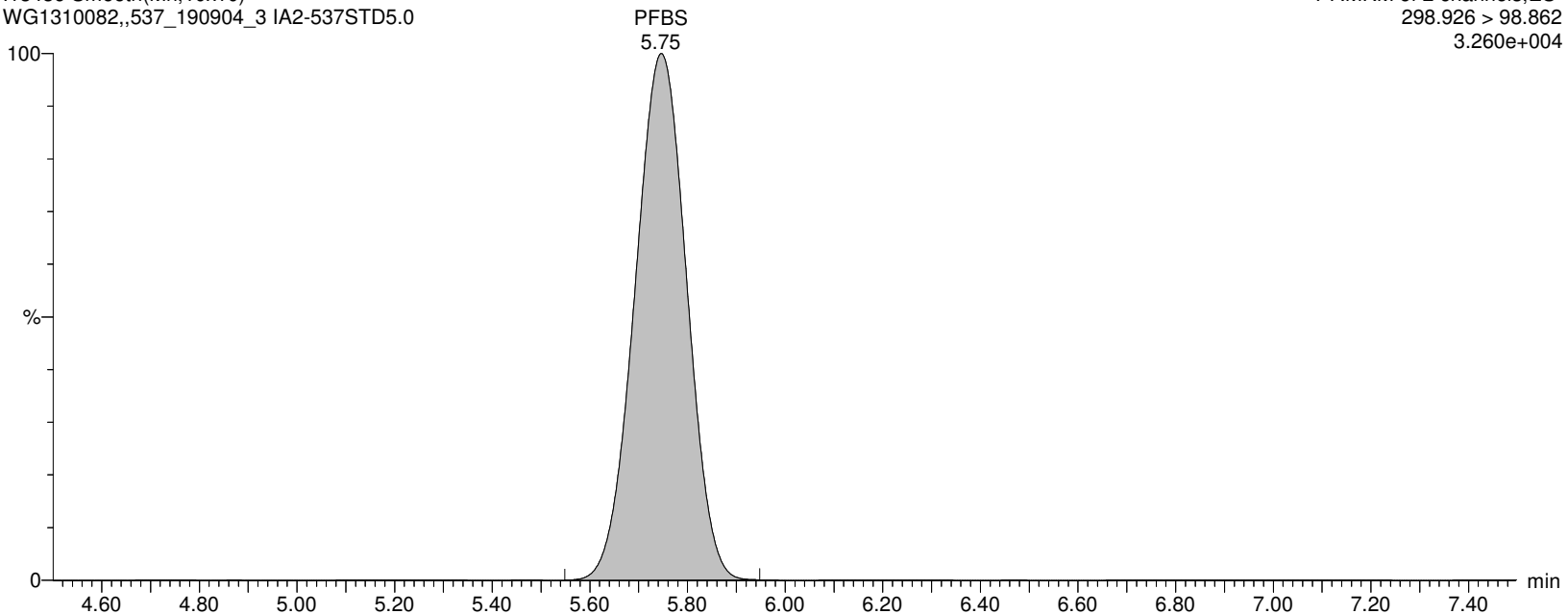
I13436 Smooth(Mn,10x10)

WG1310082,,537_190904_3 IA2-537STD5.0

F7:MRM of 2 channels,ES-

298.926 > 98.862

3.260e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

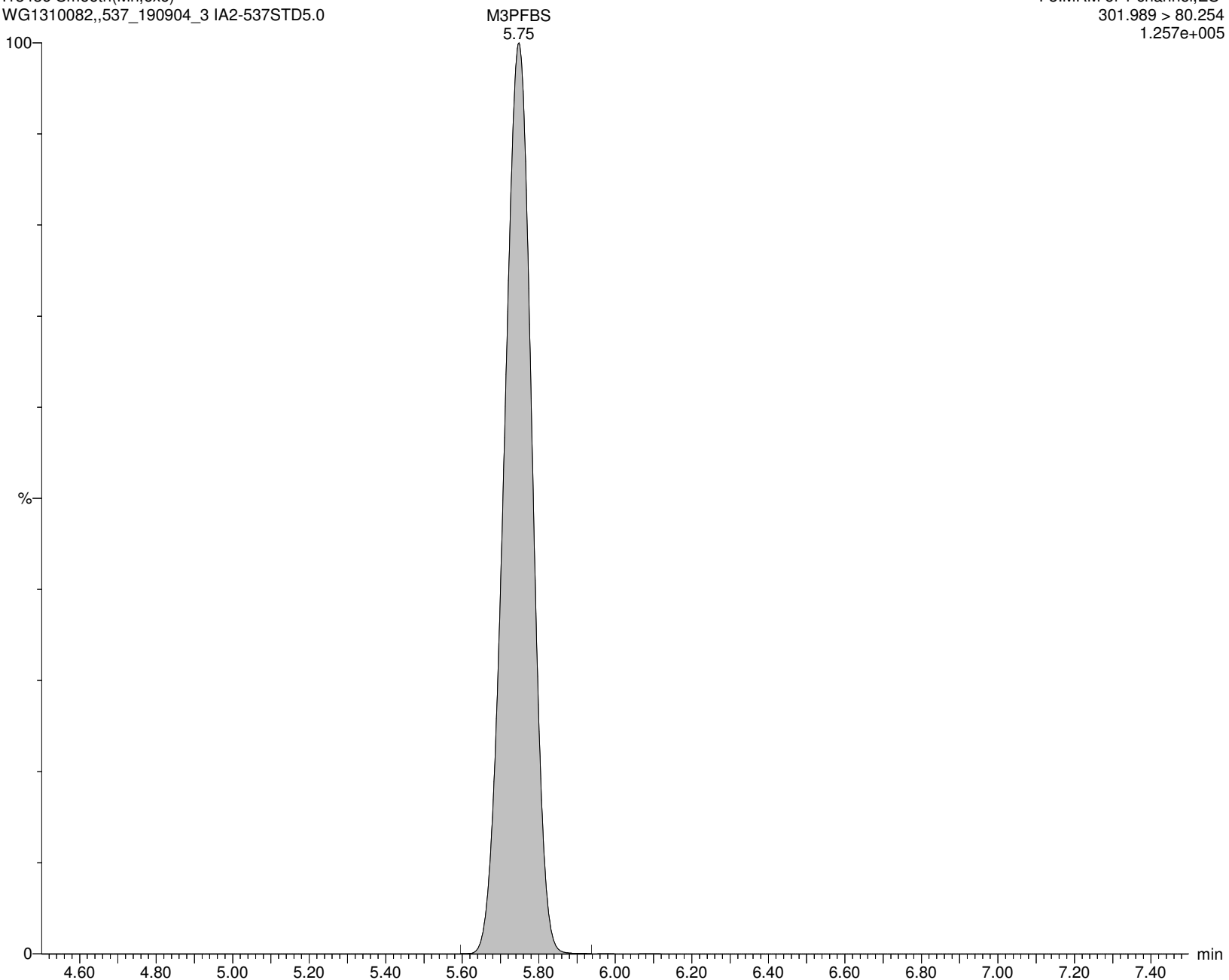
I13436 Smooth(Mn,6x6)

WG1310082,,537_190904_3 IA2-537STD5.0

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.257e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

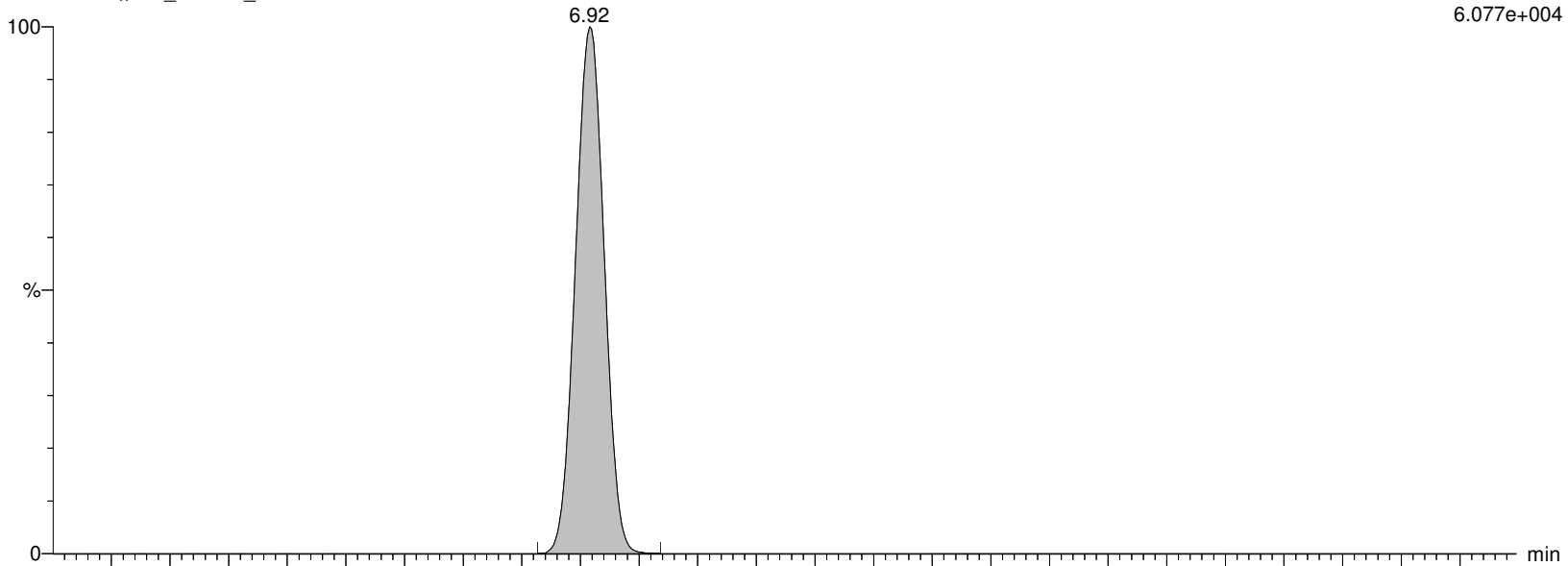
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F11:MRM of 2 channels,ES-

326.926 > 306.957

6.077e+004



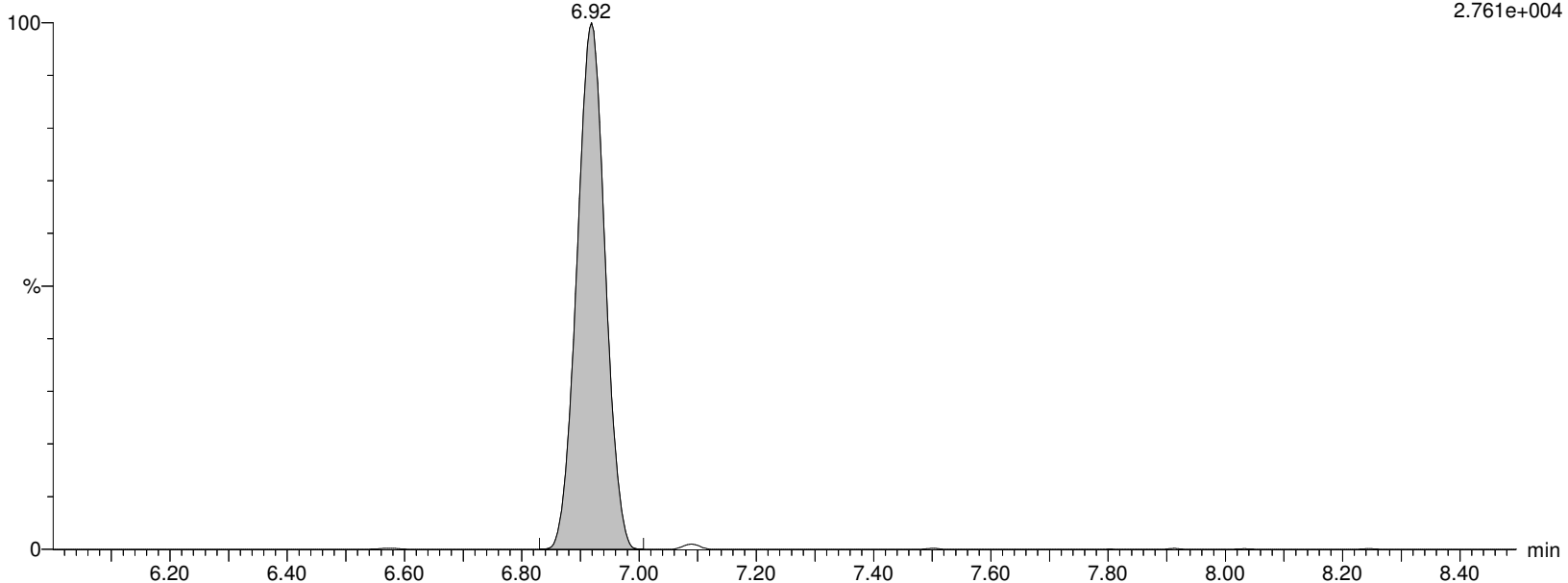
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F11:MRM of 2 channels,ES-

326.926 > 81.02

2.761e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

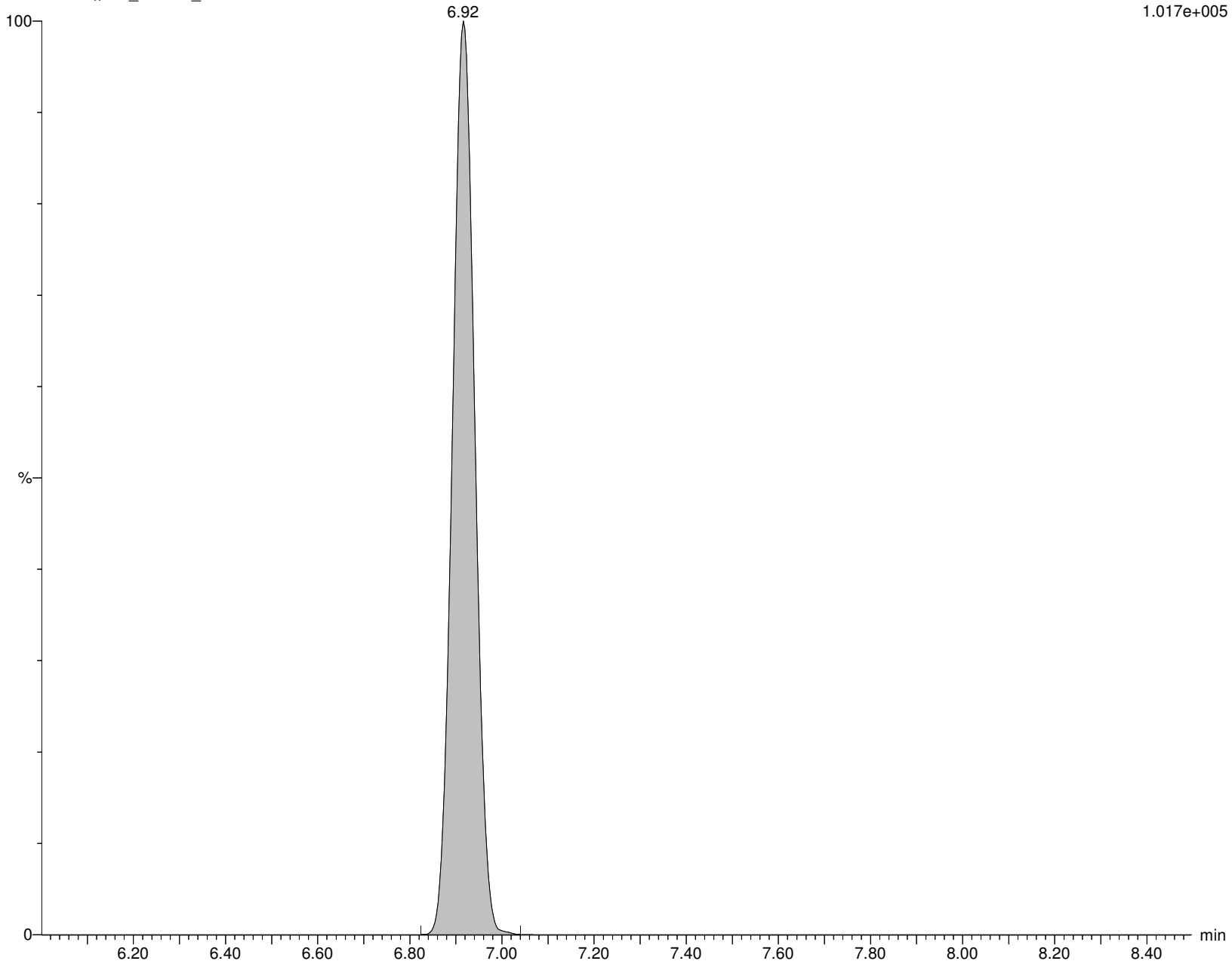
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.017e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

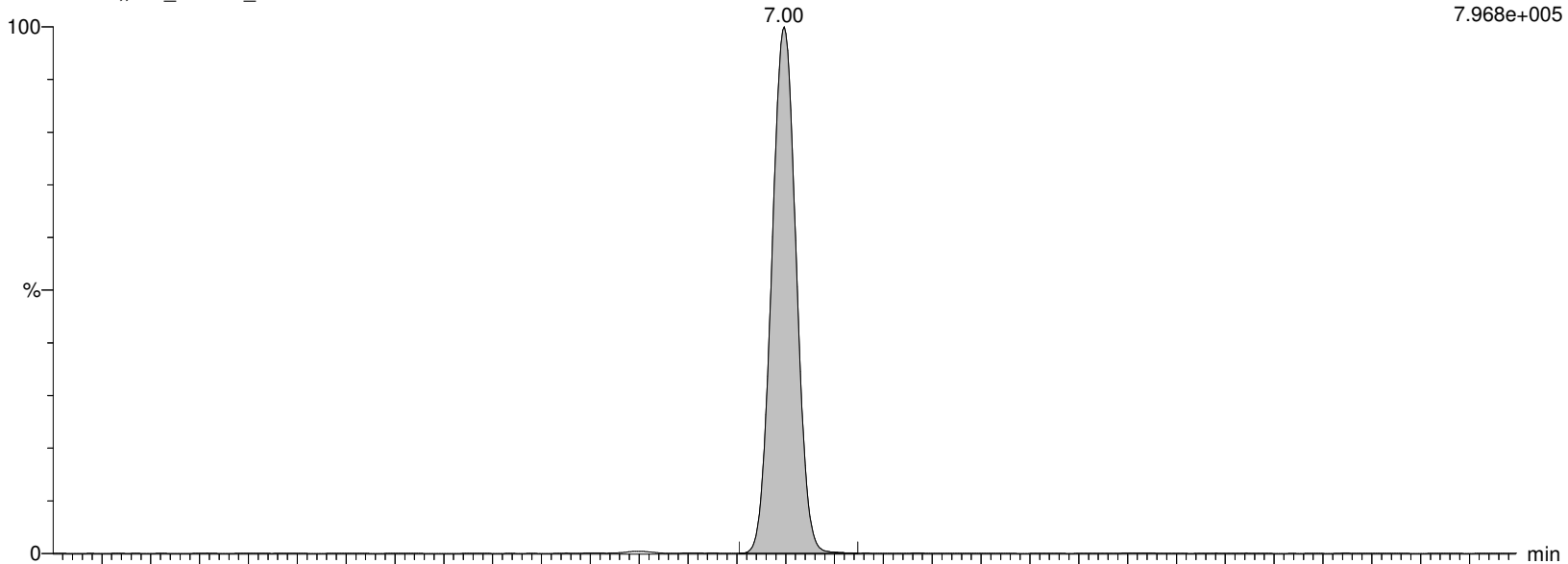
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F9:MRM of 2 channels,ES-

312.989 > 269.028

7.968e+005



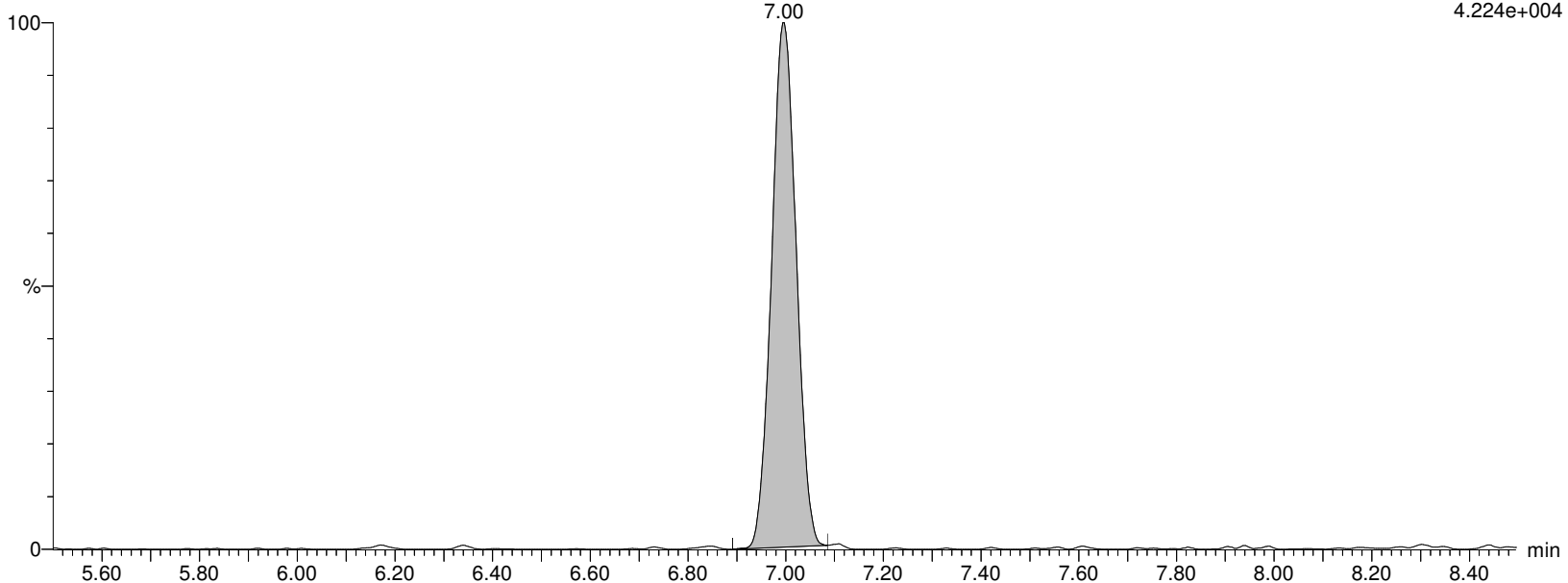
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F9:MRM of 2 channels,ES-

312.989 > 119.18

4.224e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

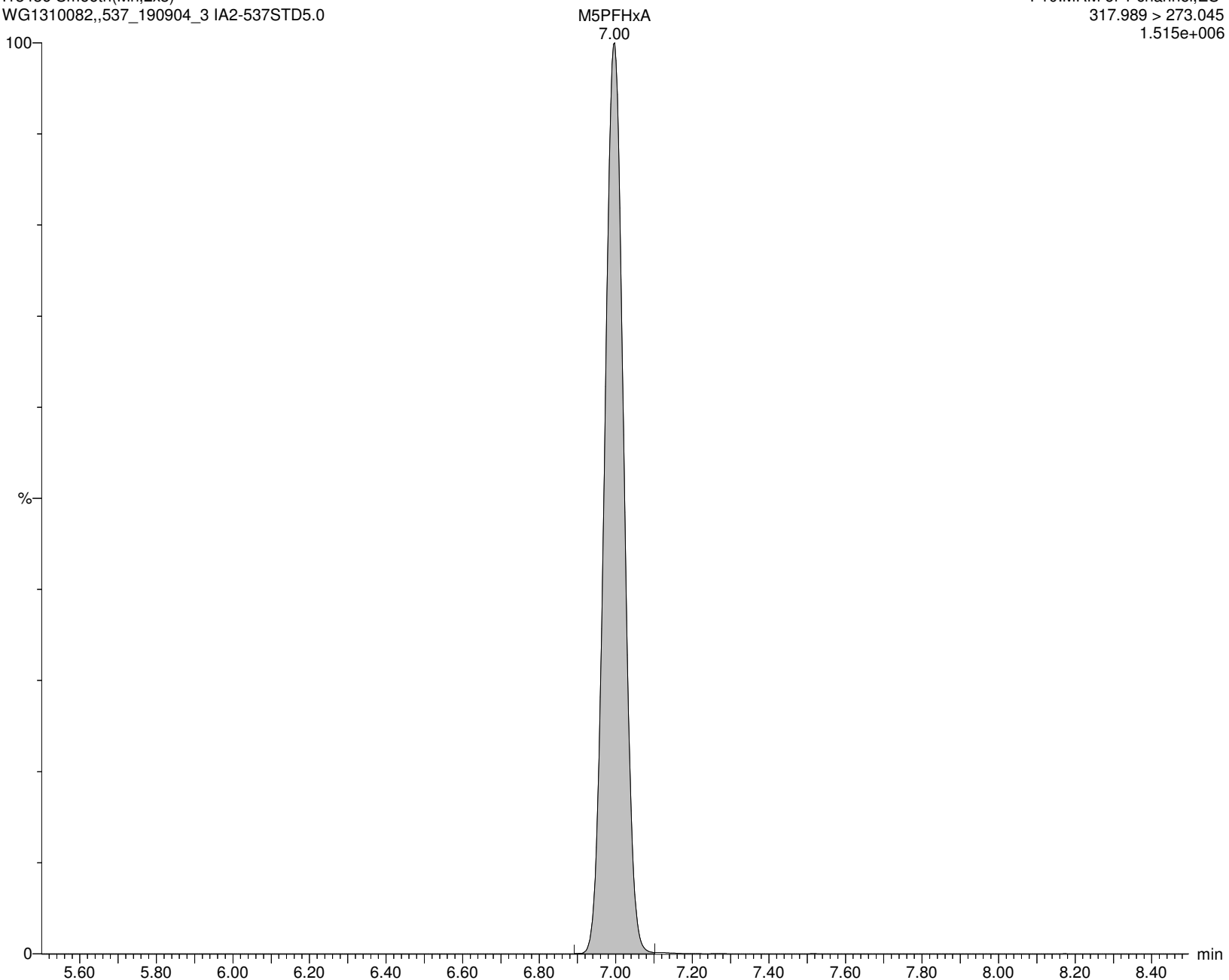
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.515e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

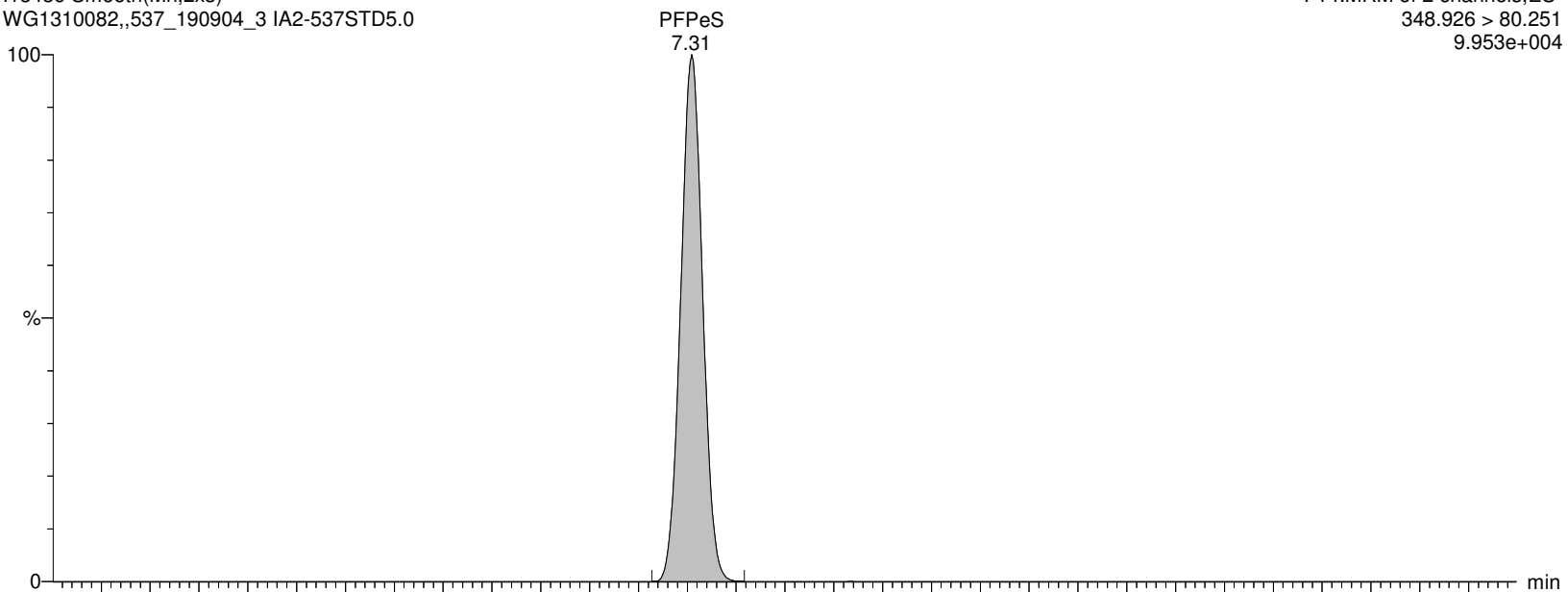
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F14:MRM of 2 channels,ES-

348.926 > 80.251

9.953e+004



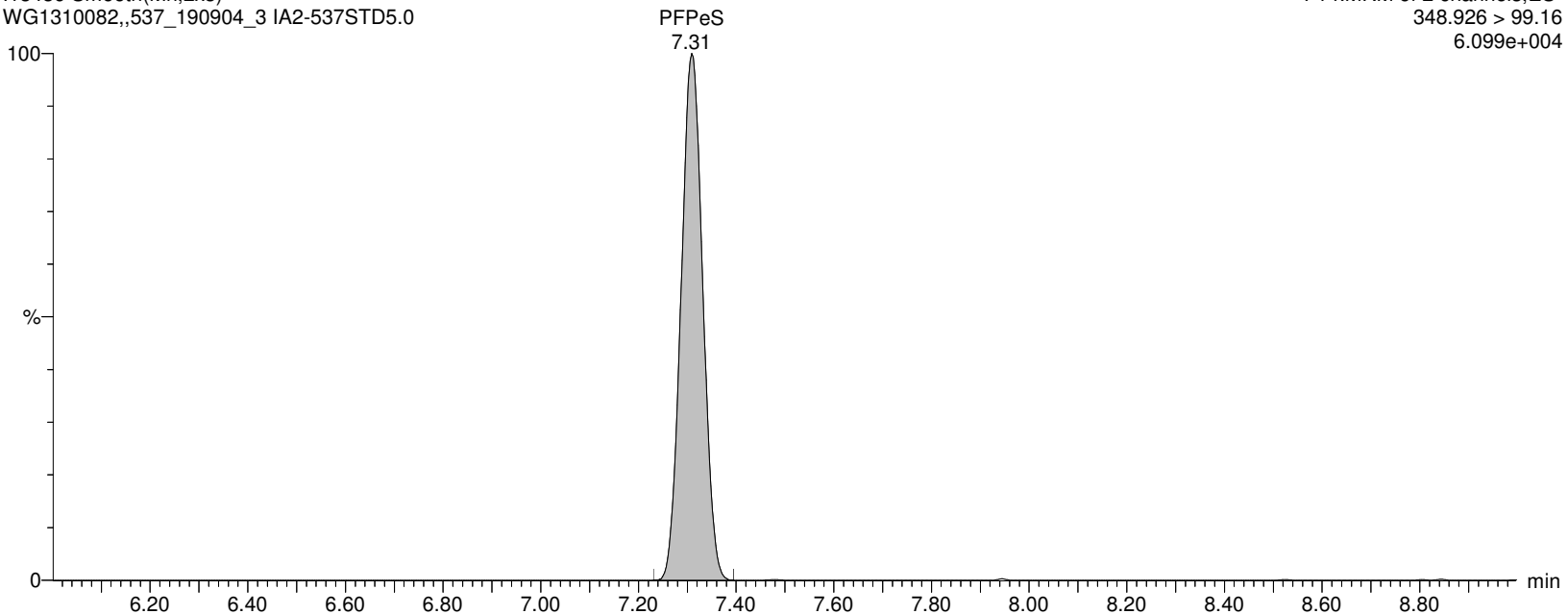
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F14:MRM of 2 channels,ES-

348.926 > 99.16

6.099e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

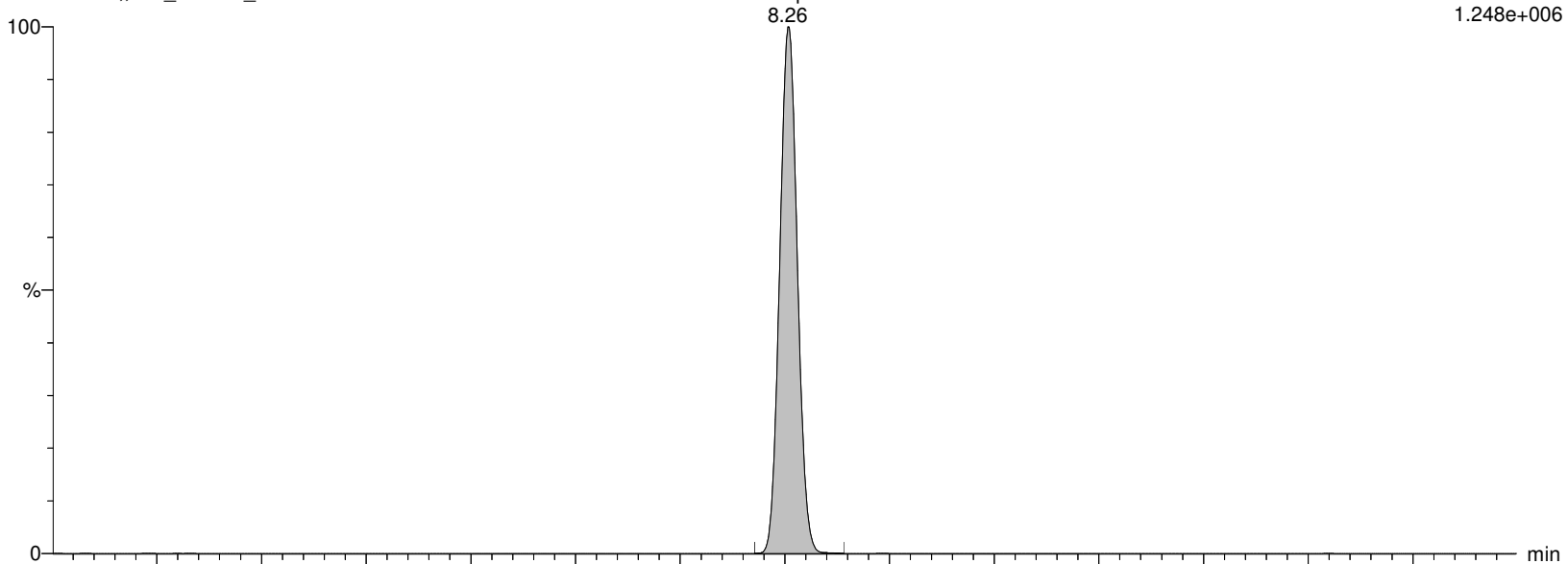
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F15:MRM of 2 channels,ES-

362.926 > 319.014

1.248e+006



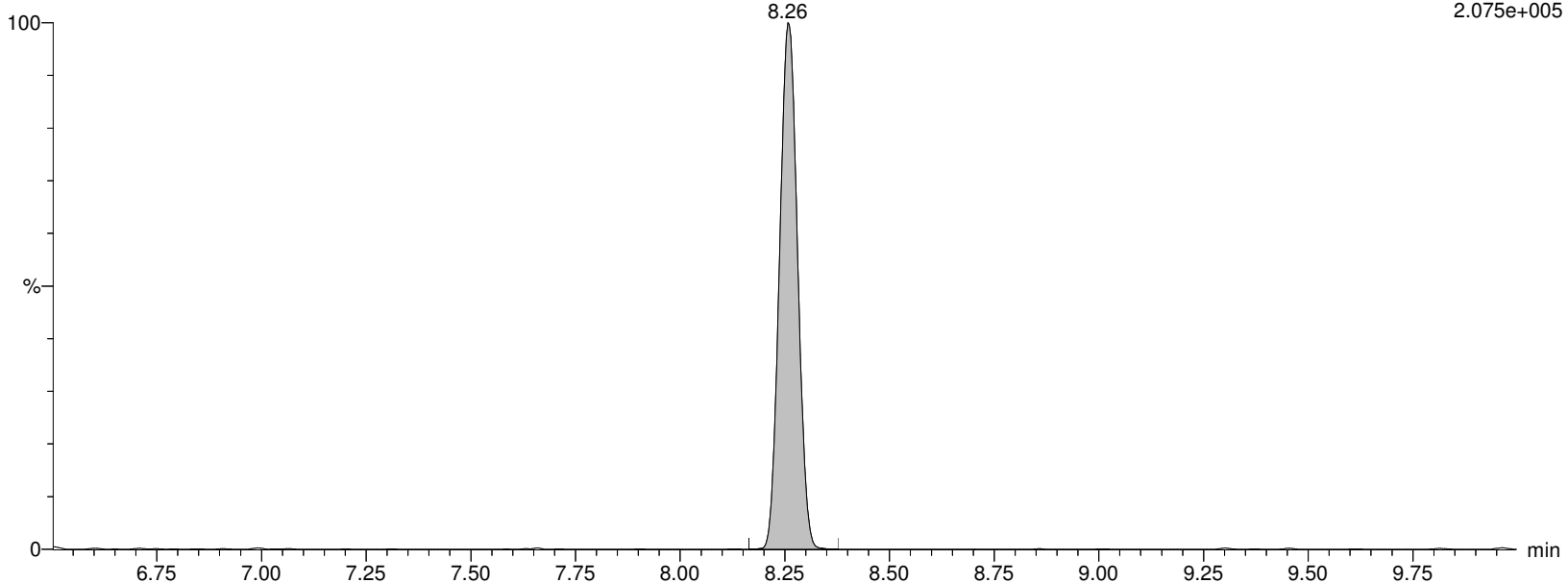
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F15:MRM of 2 channels,ES-

362.926 > 169.12

2.075e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

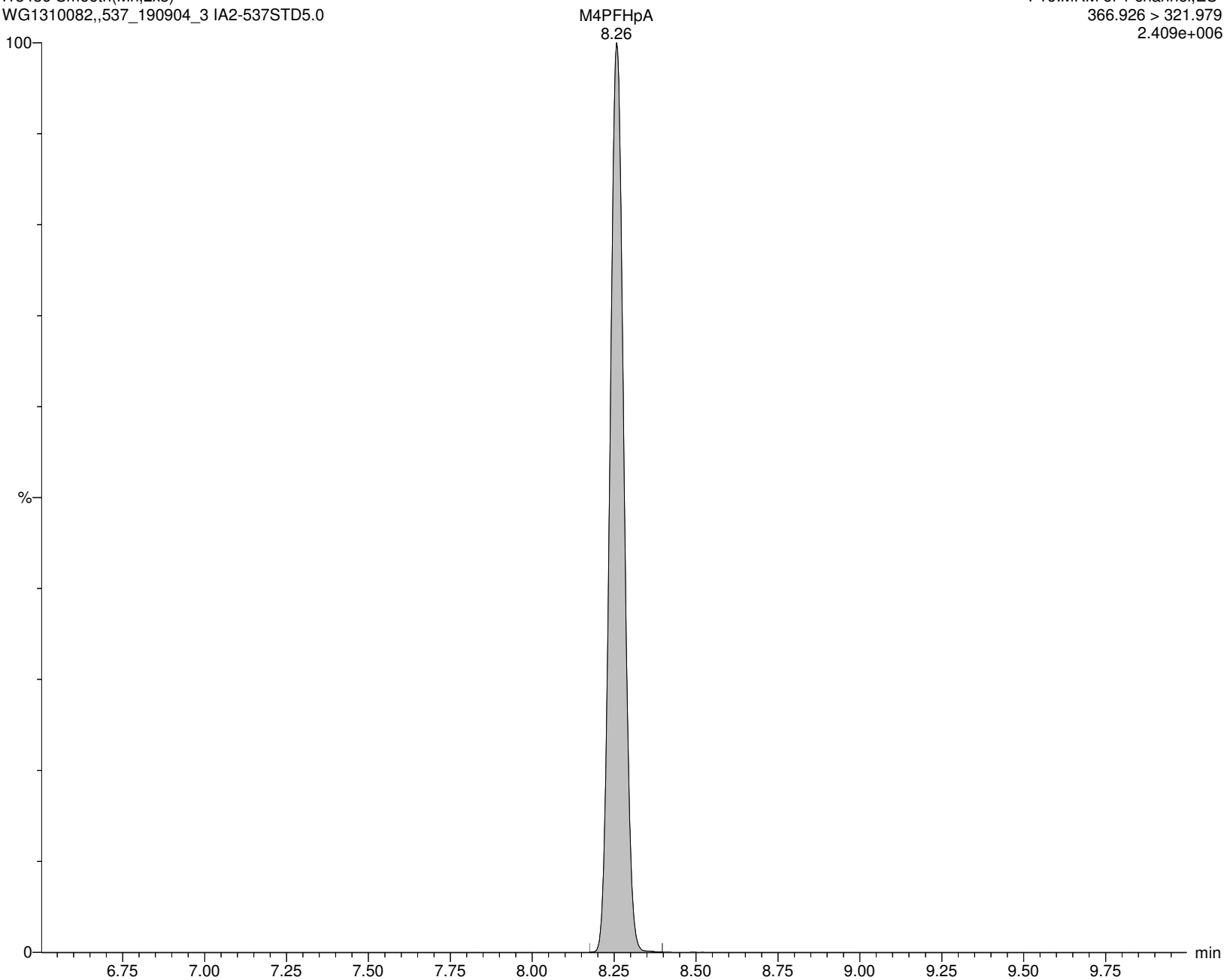
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.409e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

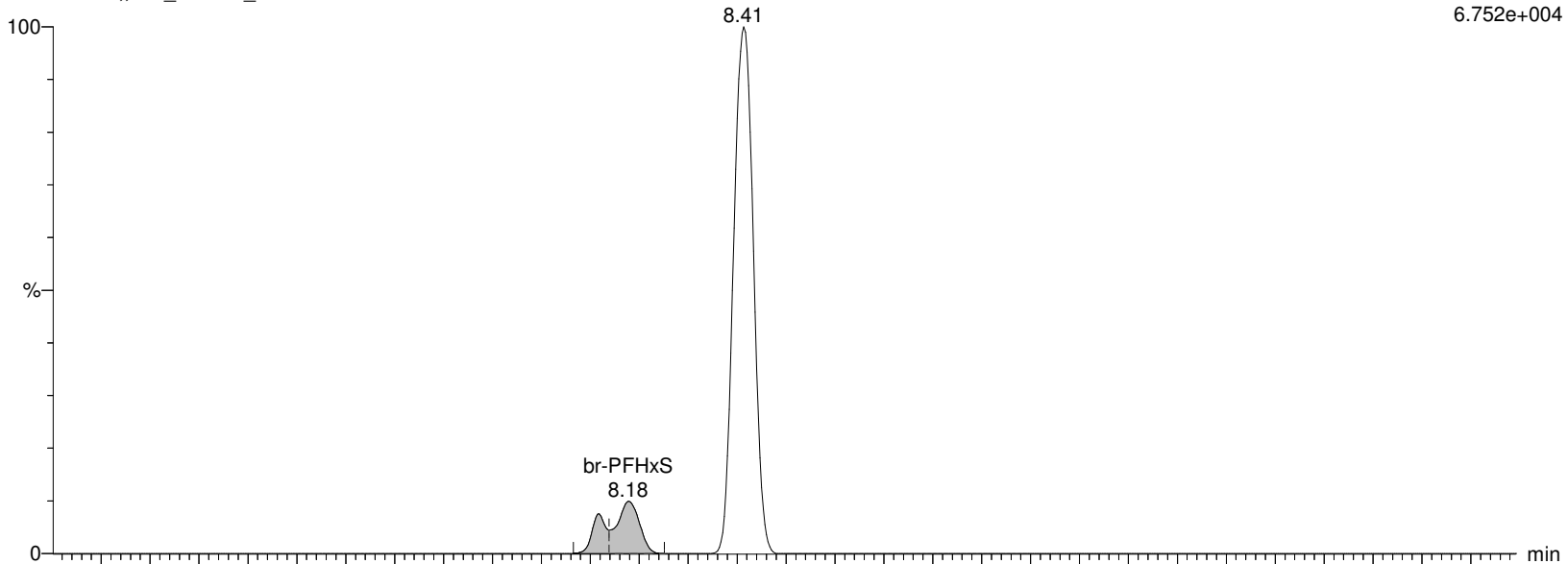
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

6.752e+004



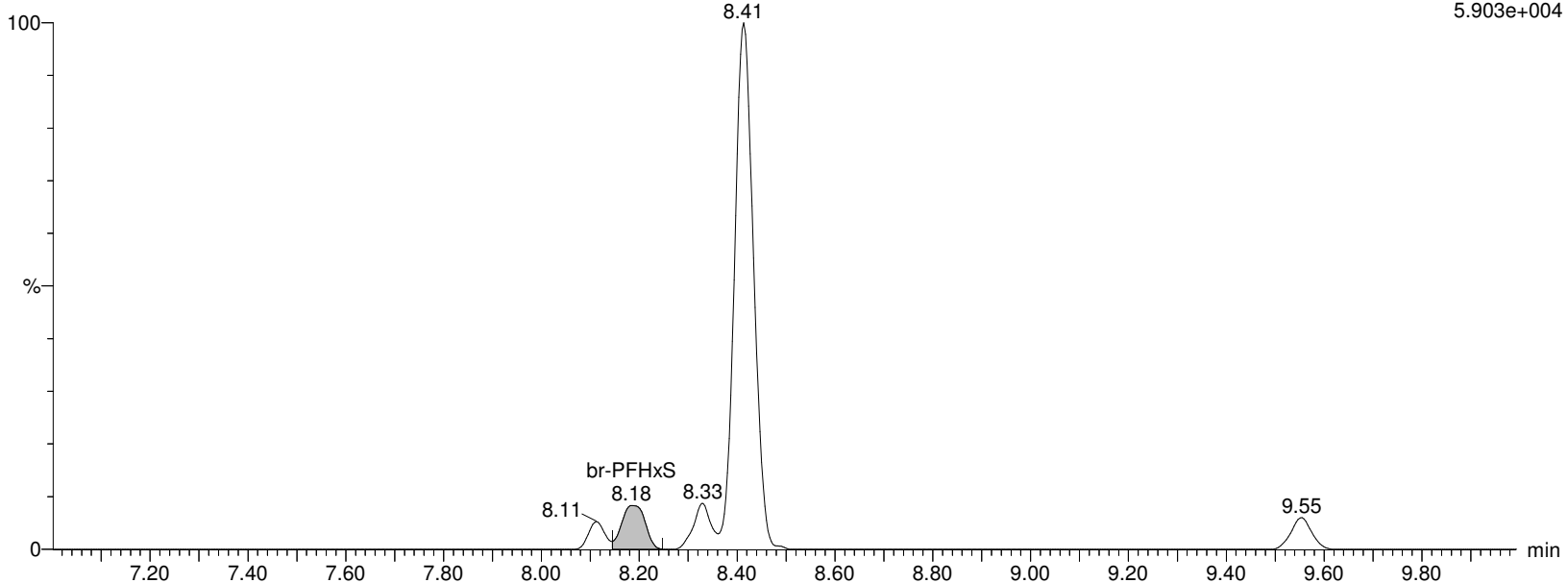
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.903e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

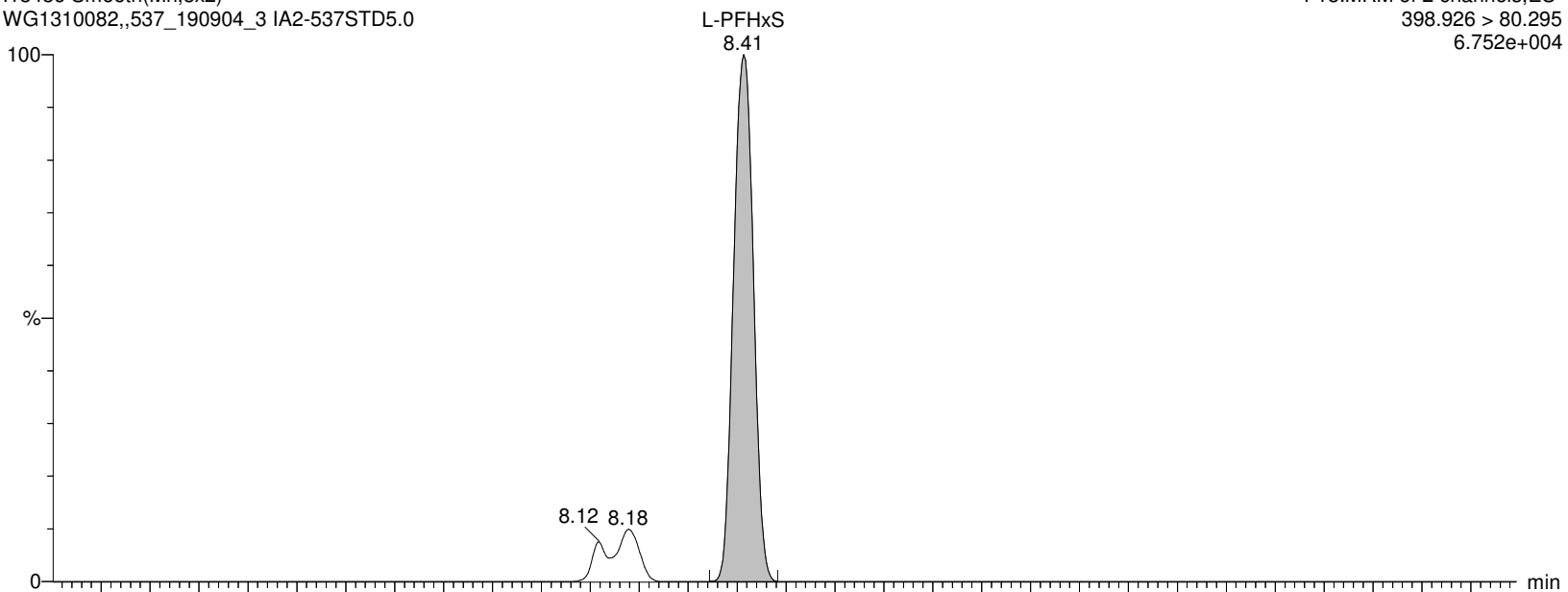
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

6.752e+004



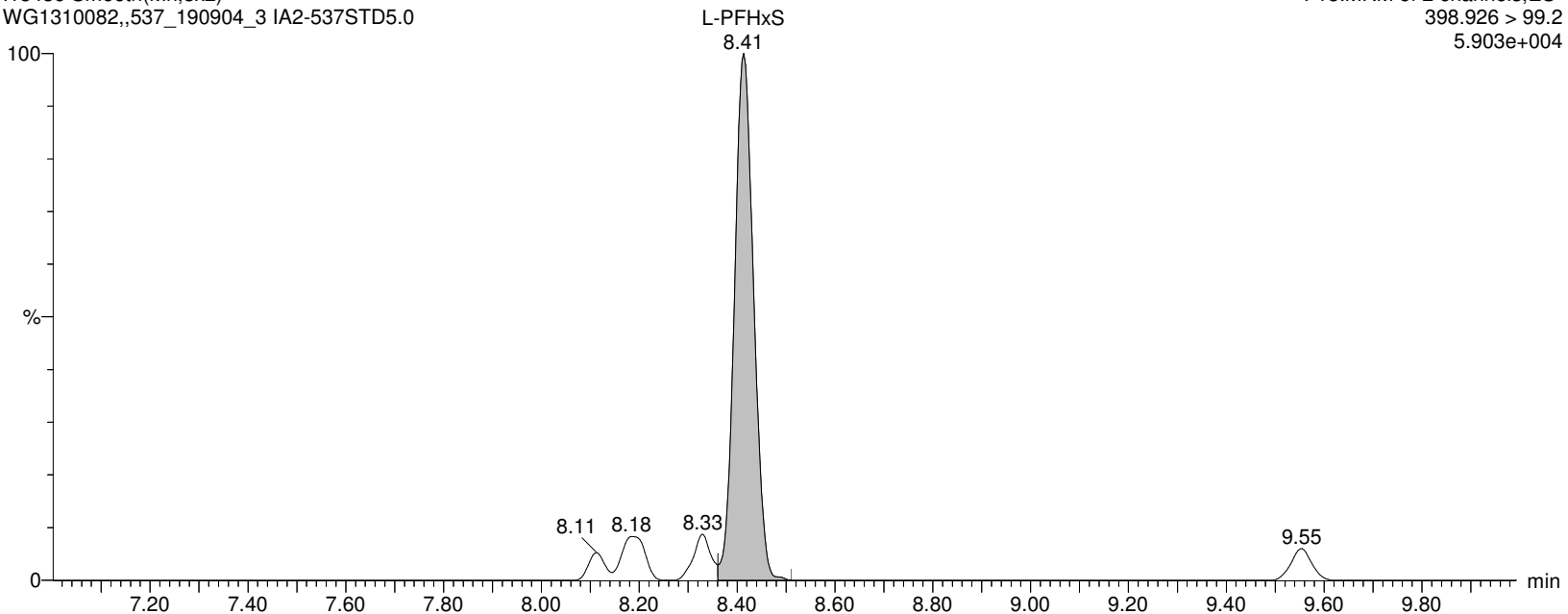
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.903e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

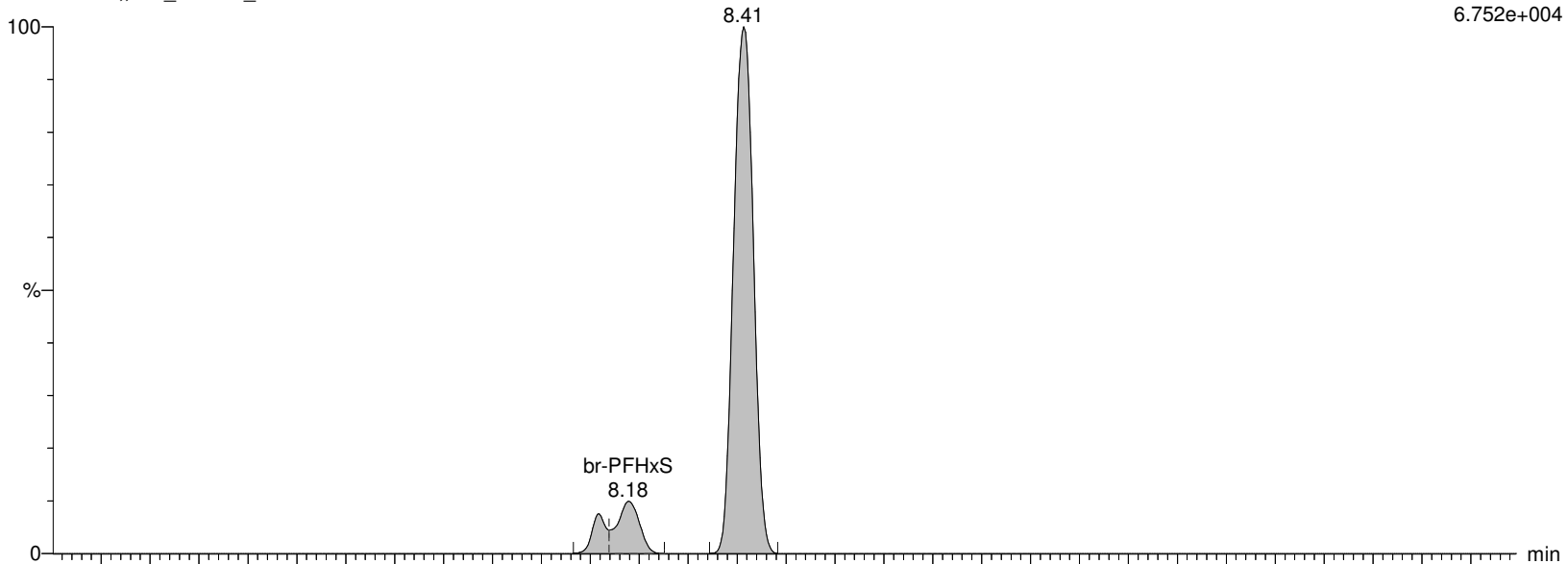
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

6.752e+004



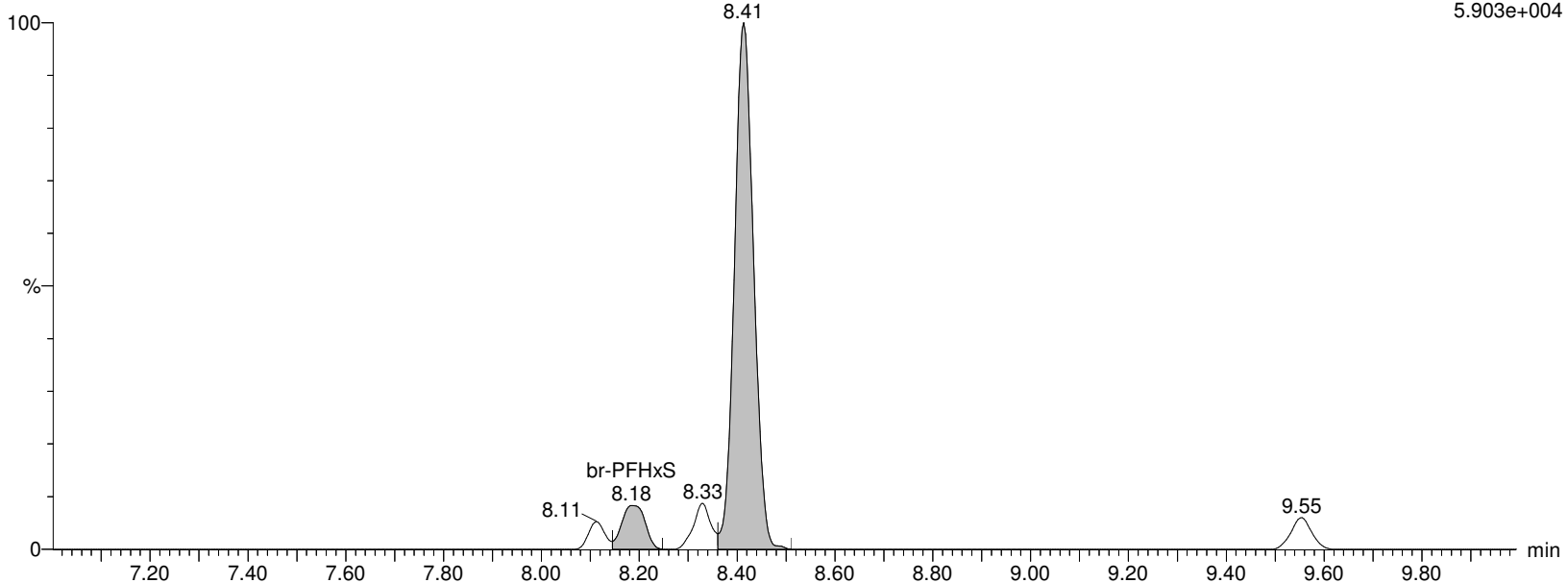
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.903e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

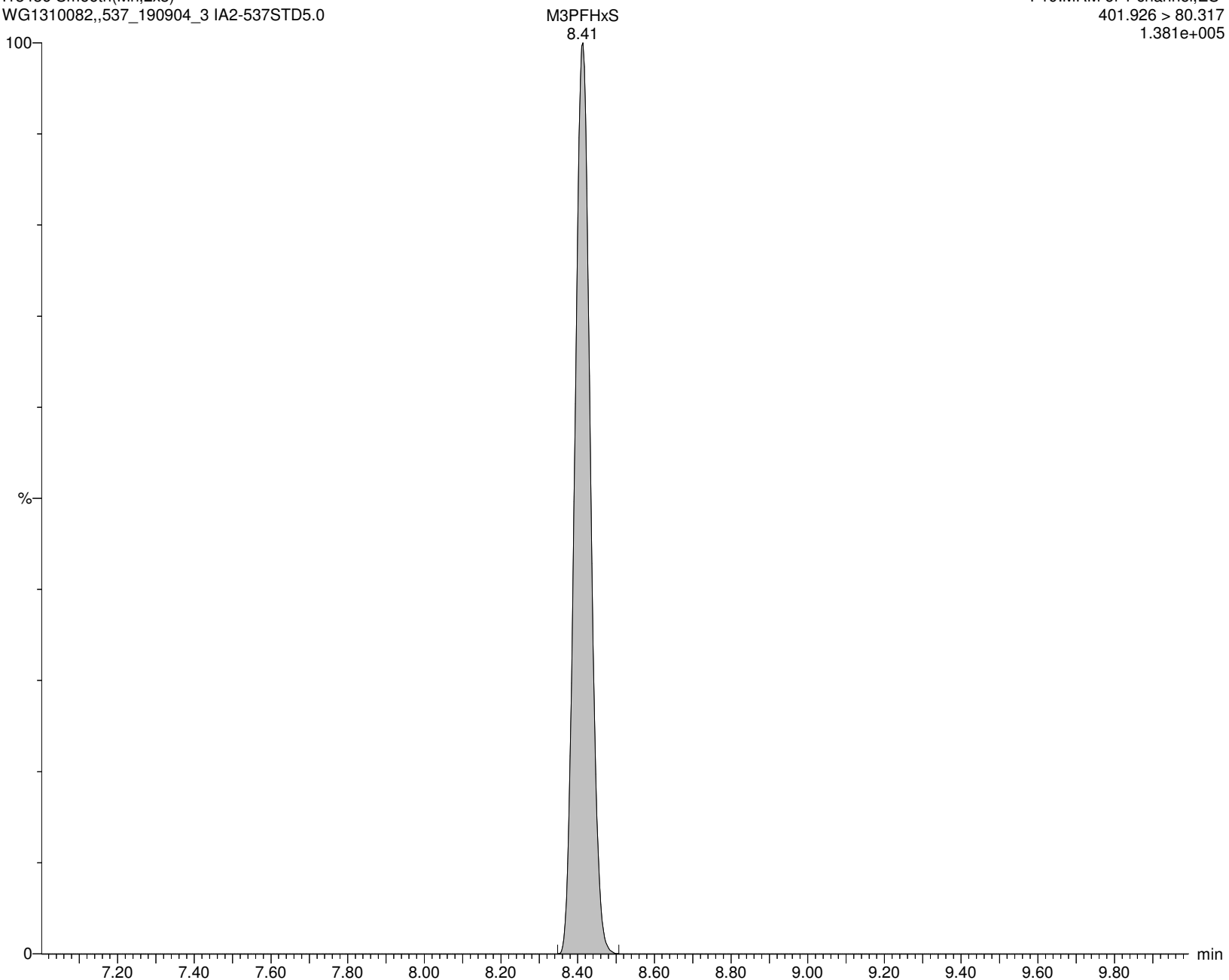
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WG1310082,,537_190904_3 IA2-537STD5.0

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.381e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

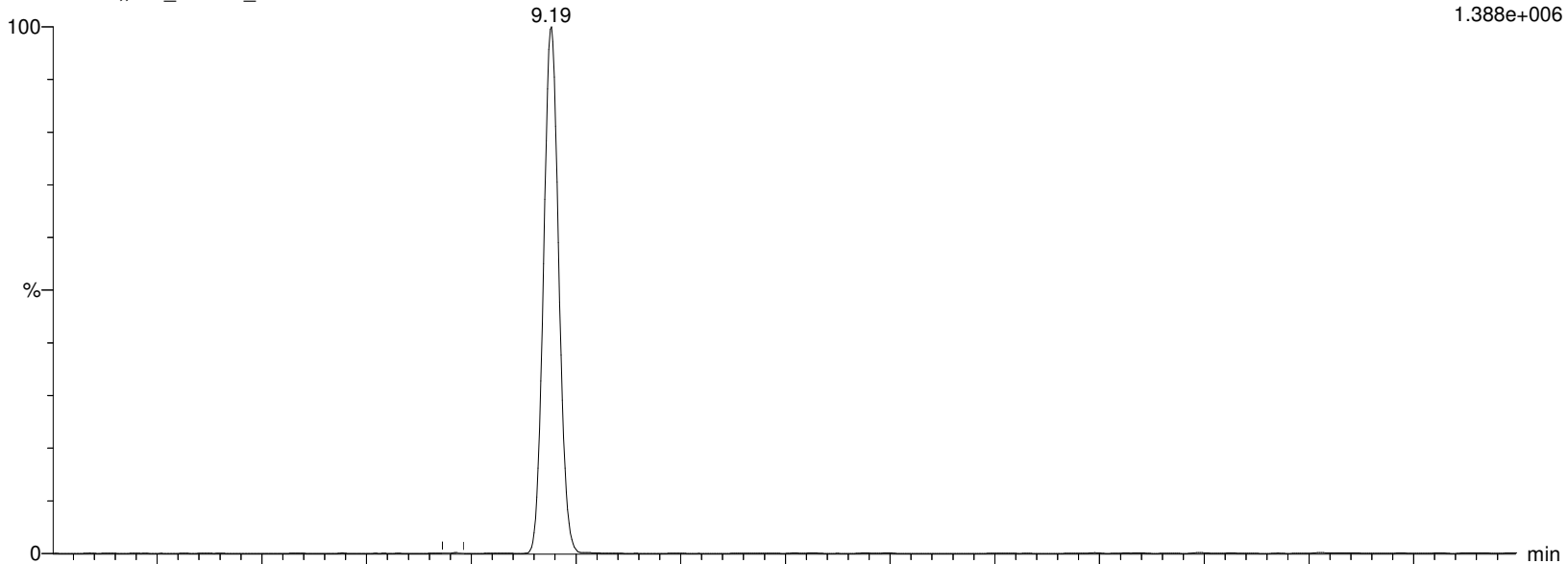
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.388e+006



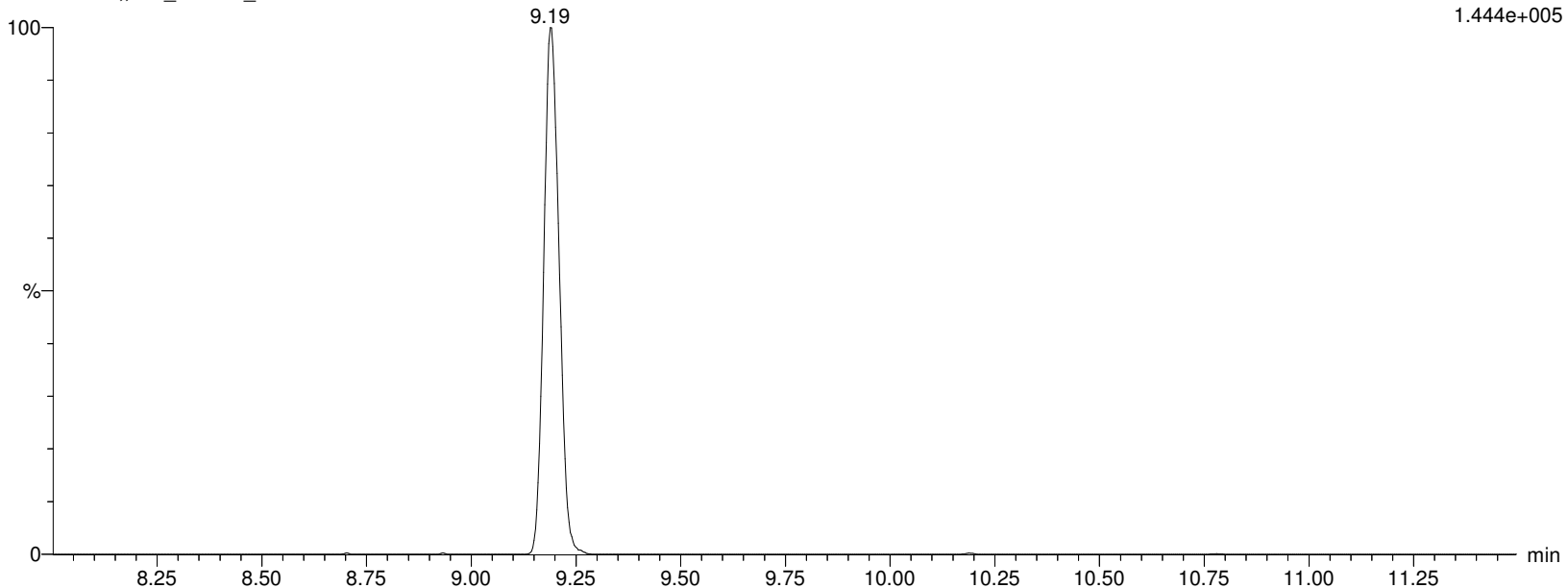
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.444e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

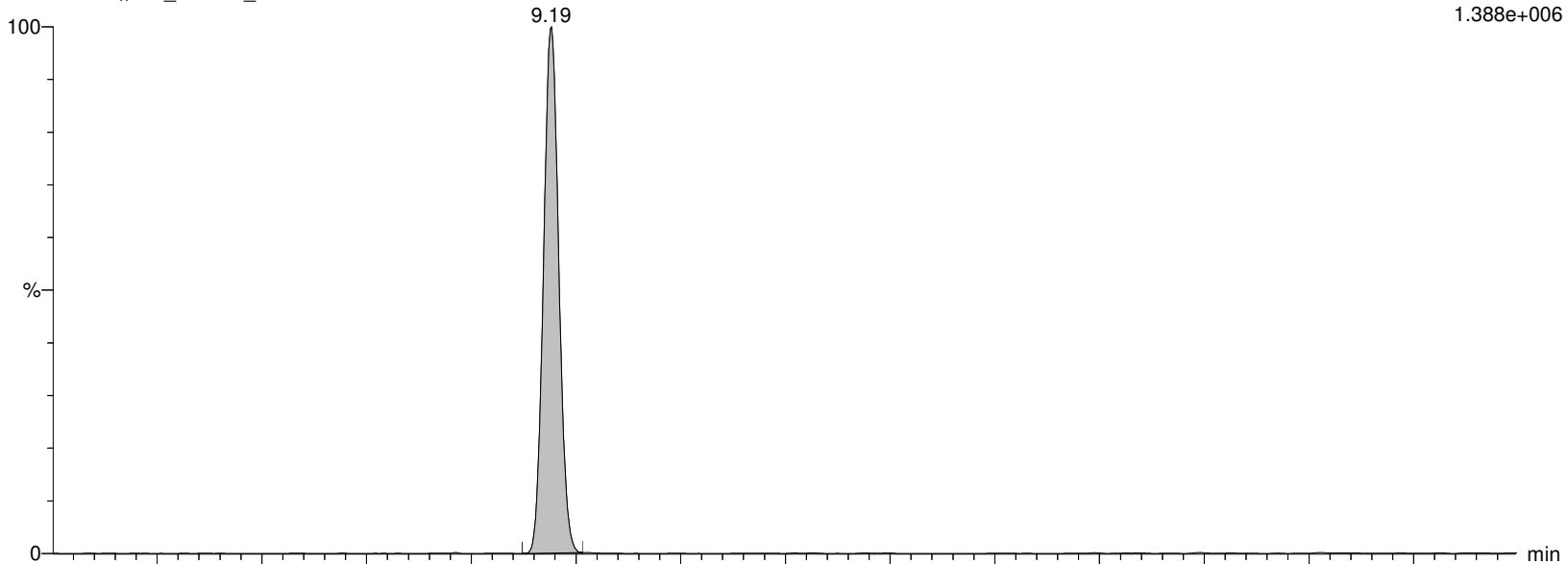
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.388e+006



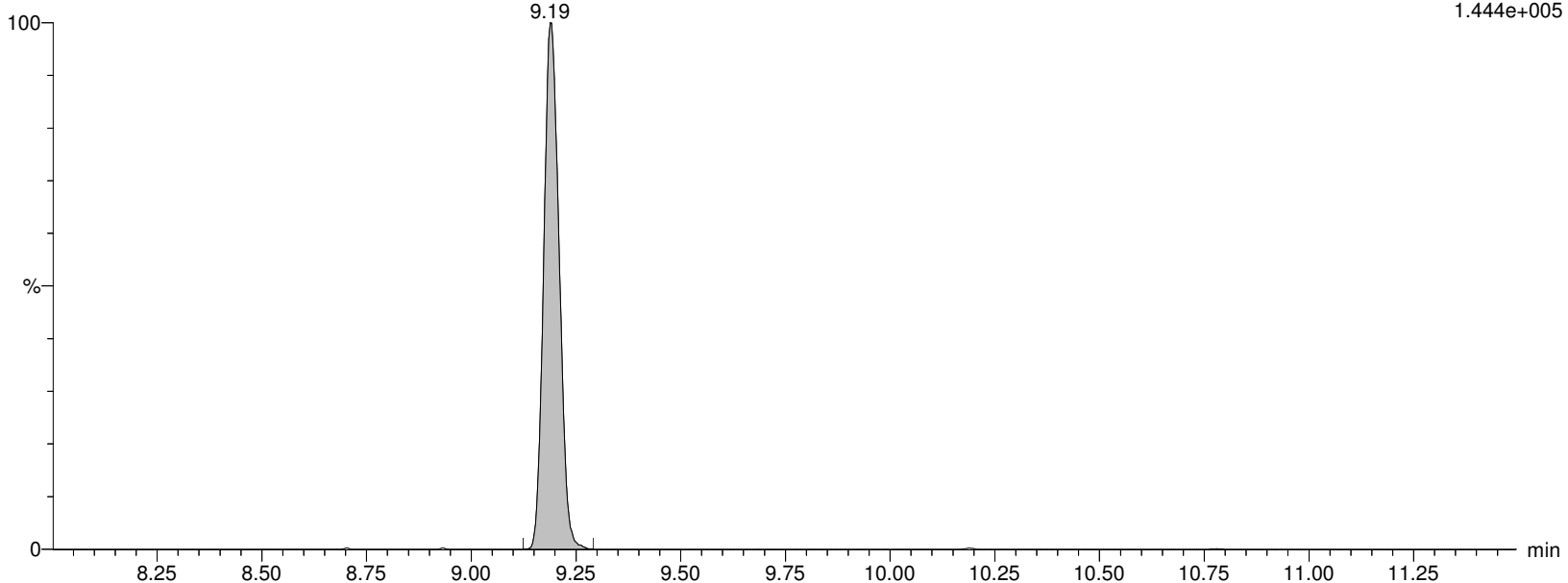
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.444e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

I13436 Smooth(Mn,2x2)

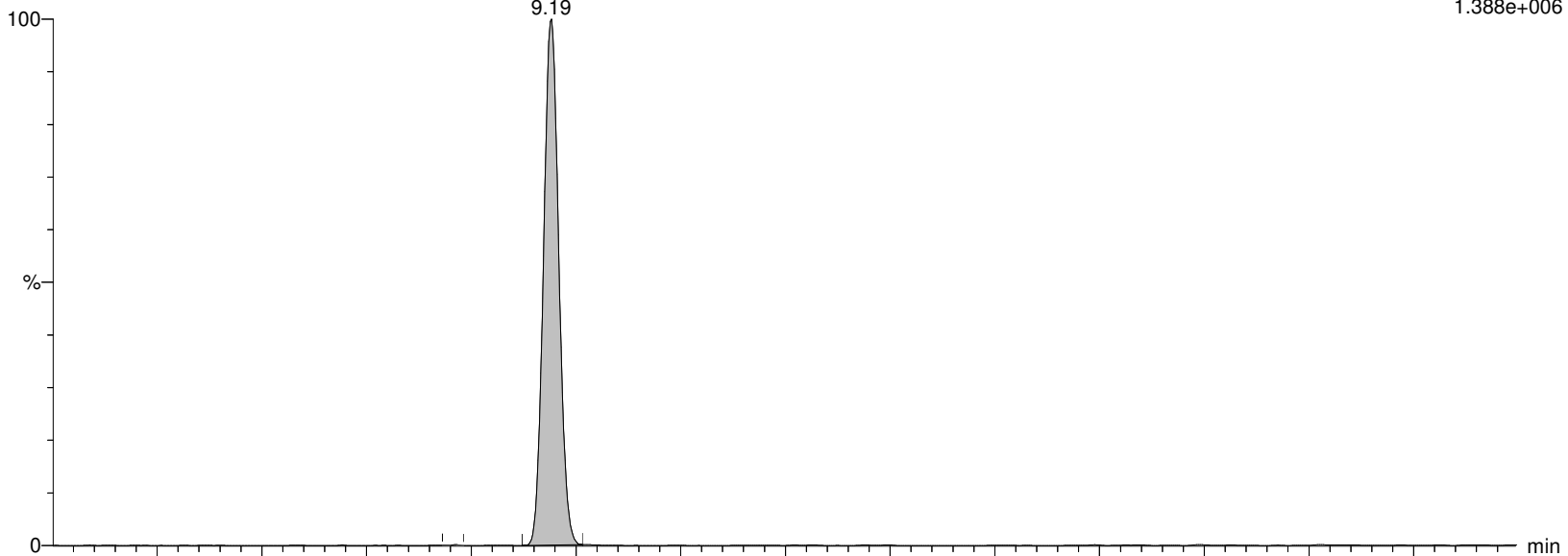
WG1310082,,537_190904_3 IA2-537STD5.0

L-PFOA
9.19

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.388e+006



I13436 Smooth(Mn,2x2)

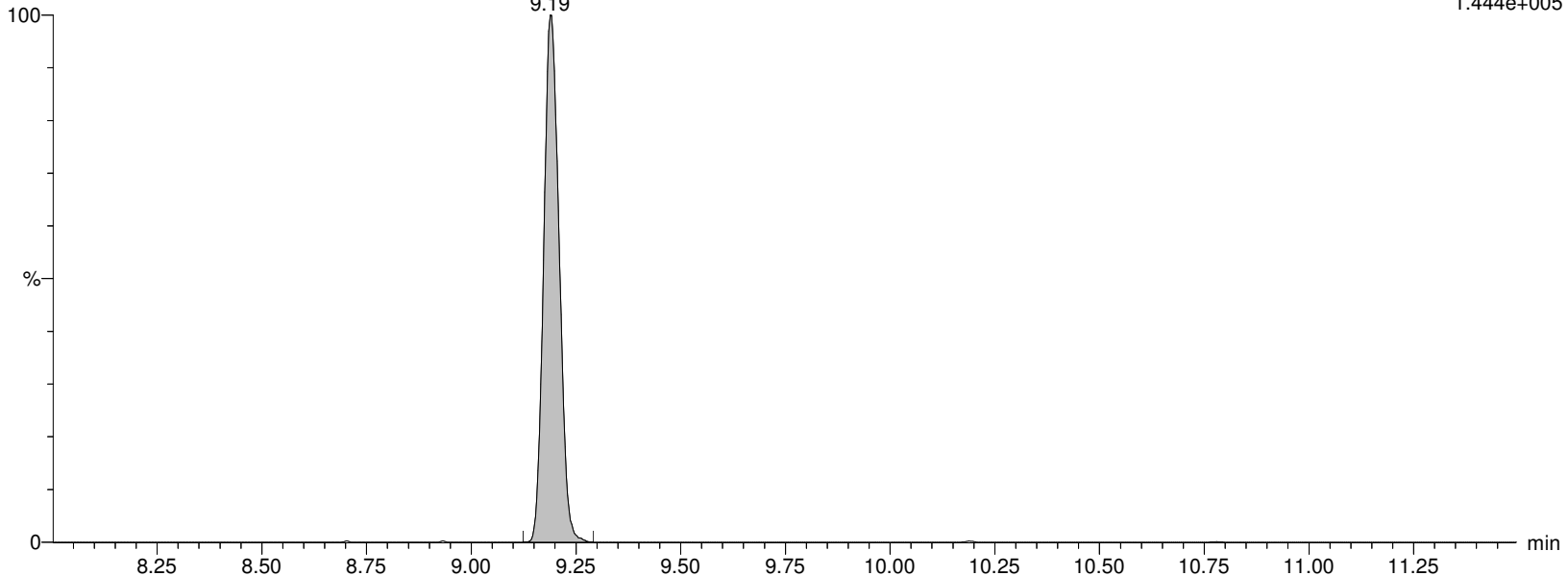
WG1310082,,537_190904_3 IA2-537STD5.0

L-PFOA
9.19

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.444e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

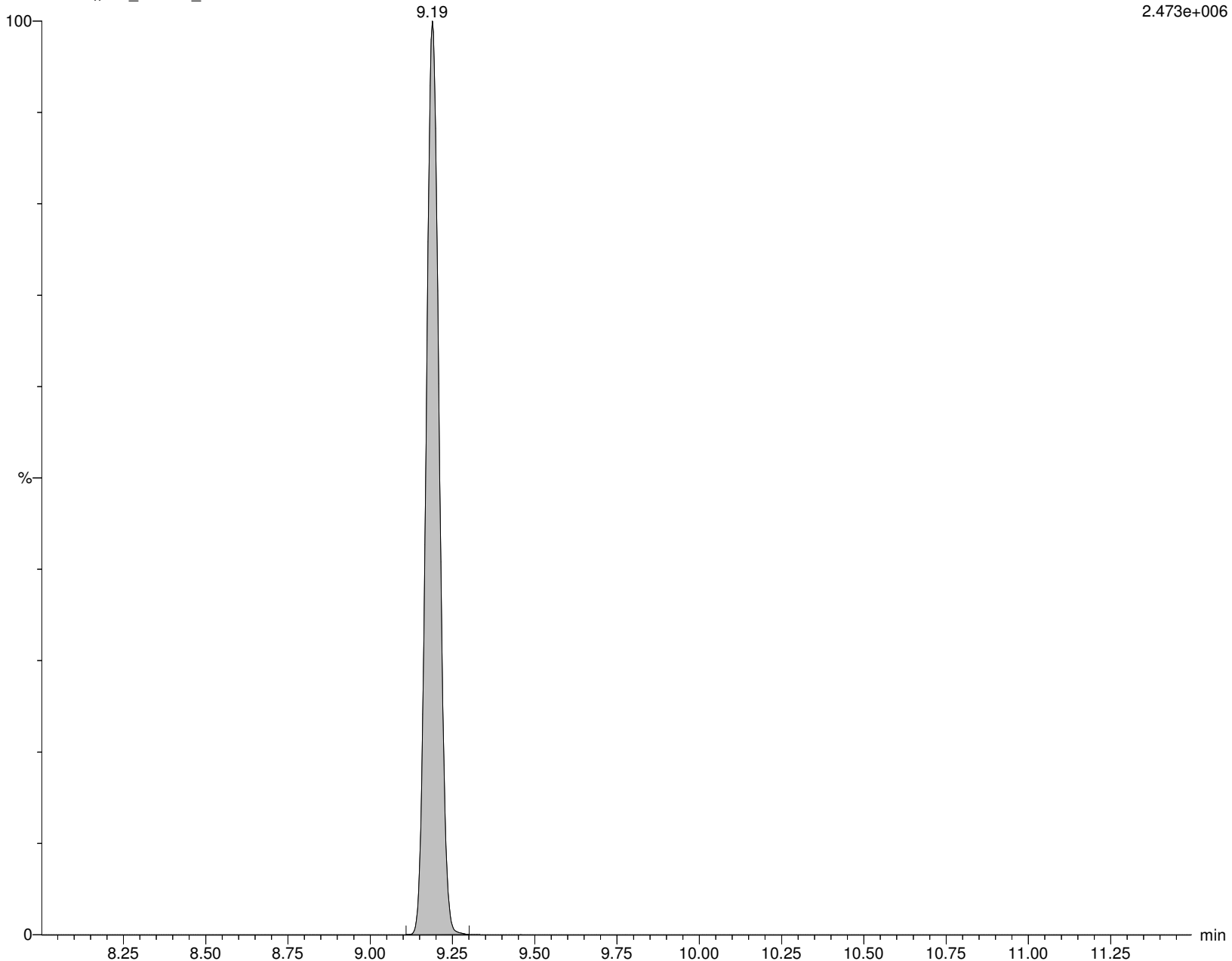
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.473e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

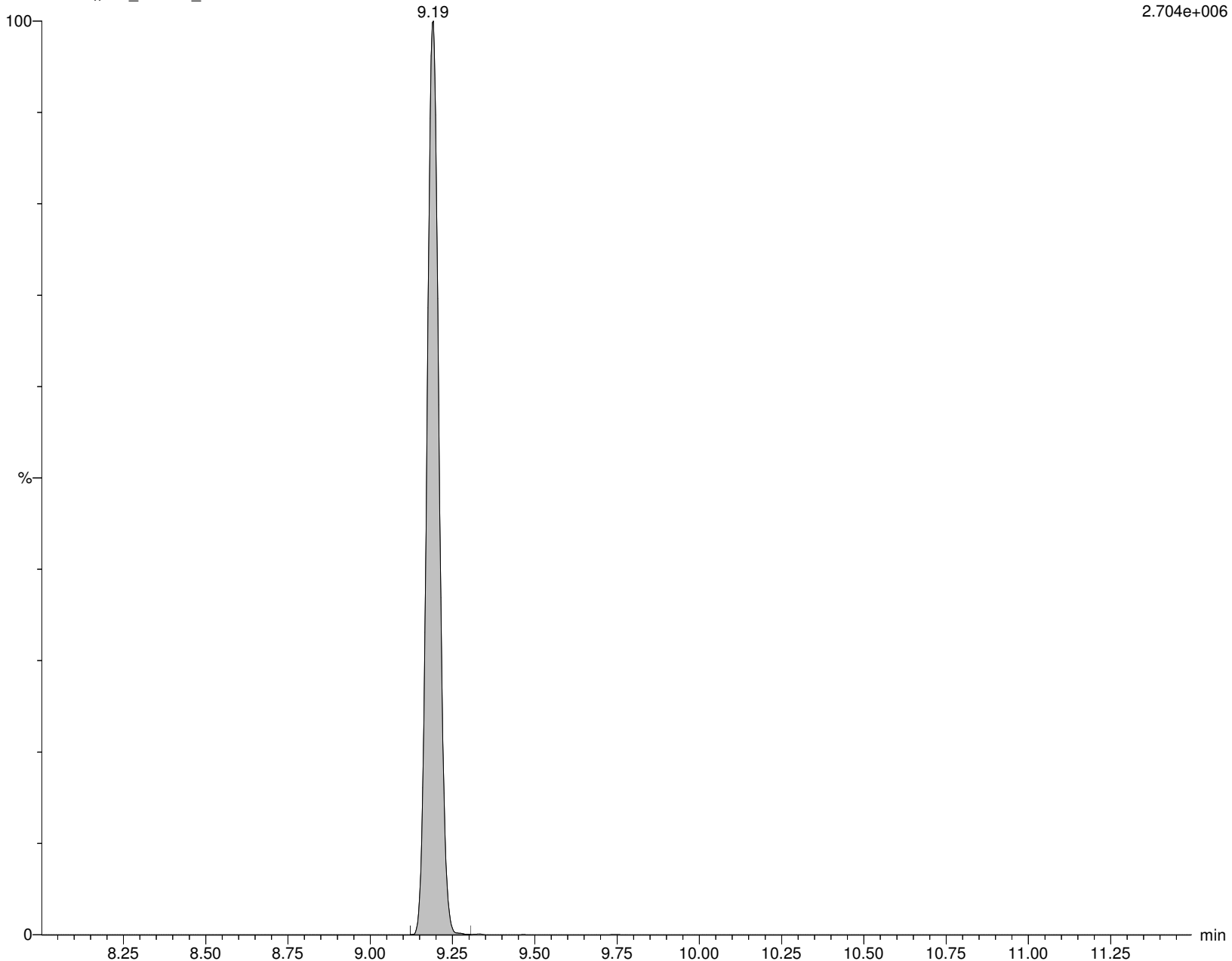
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.704e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

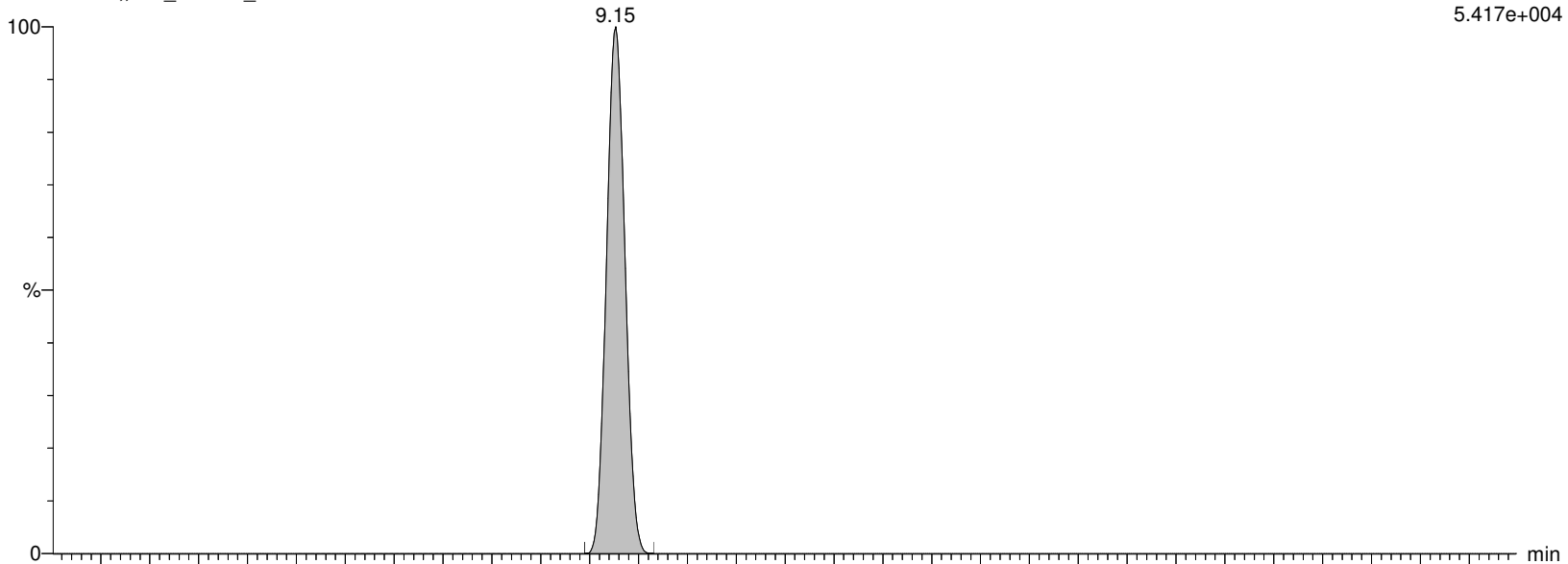
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F23:MRM of 3 channels,ES-

426.989 > 406.921

5.417e+004



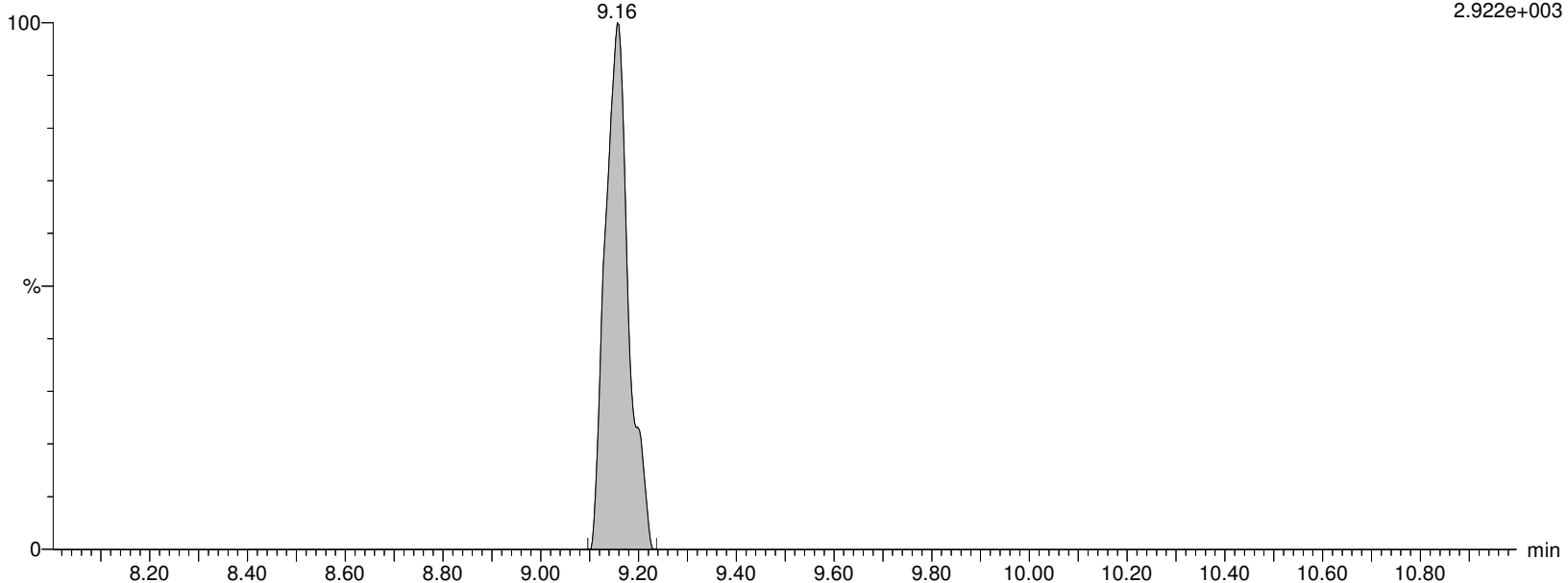
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F23:MRM of 3 channels,ES-

426.862 > 80.5

2.922e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

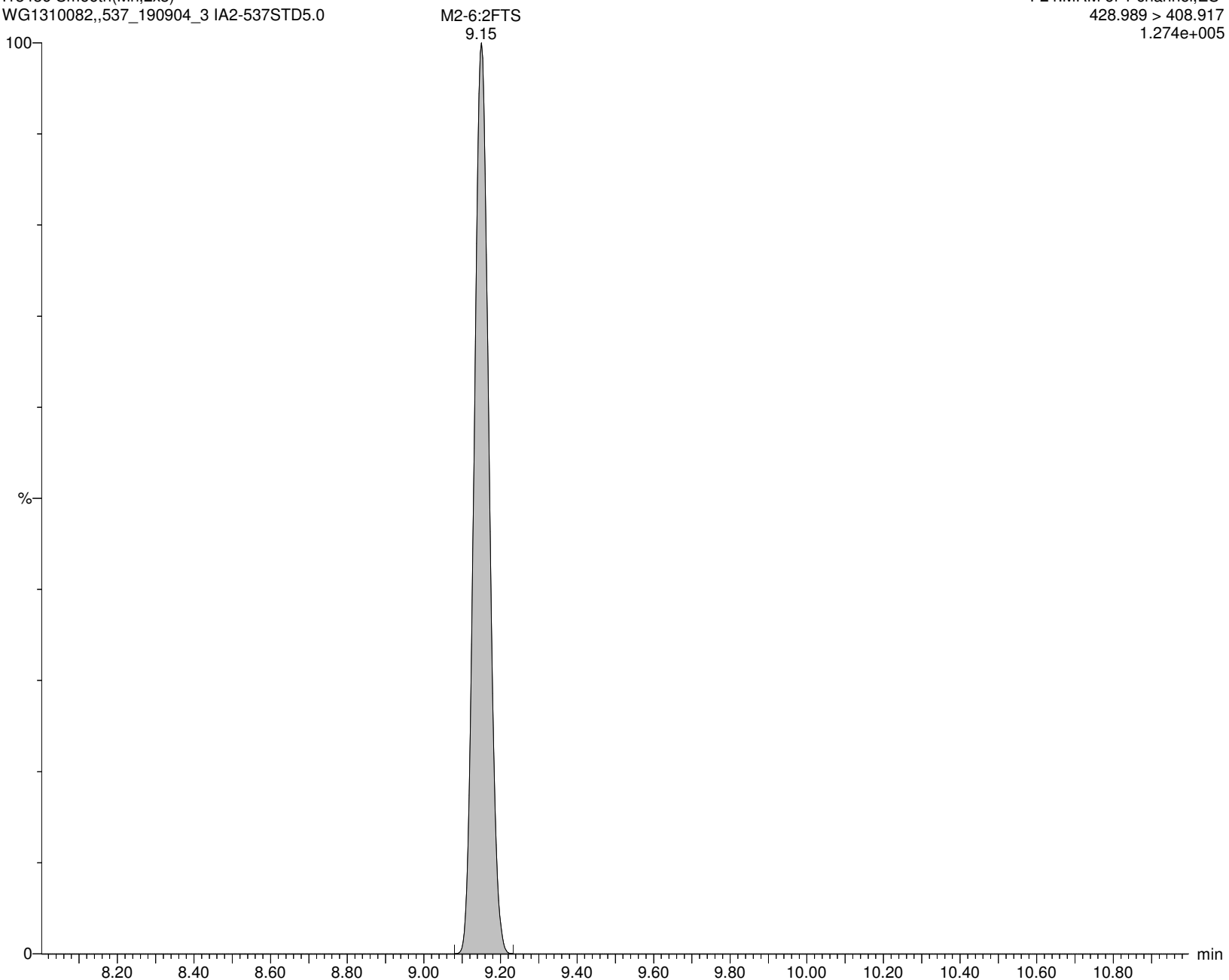
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.274e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

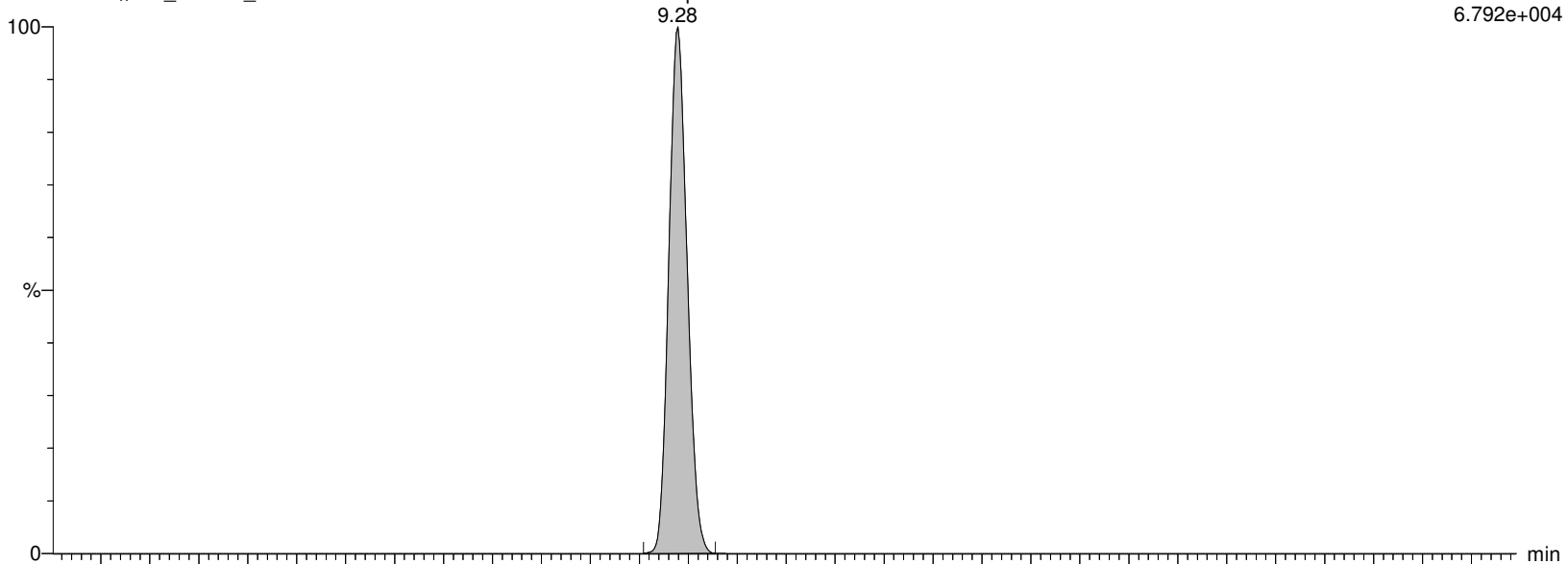
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F25:MRM of 2 channels,ES-

448.926 > 80.257

6.792e+004



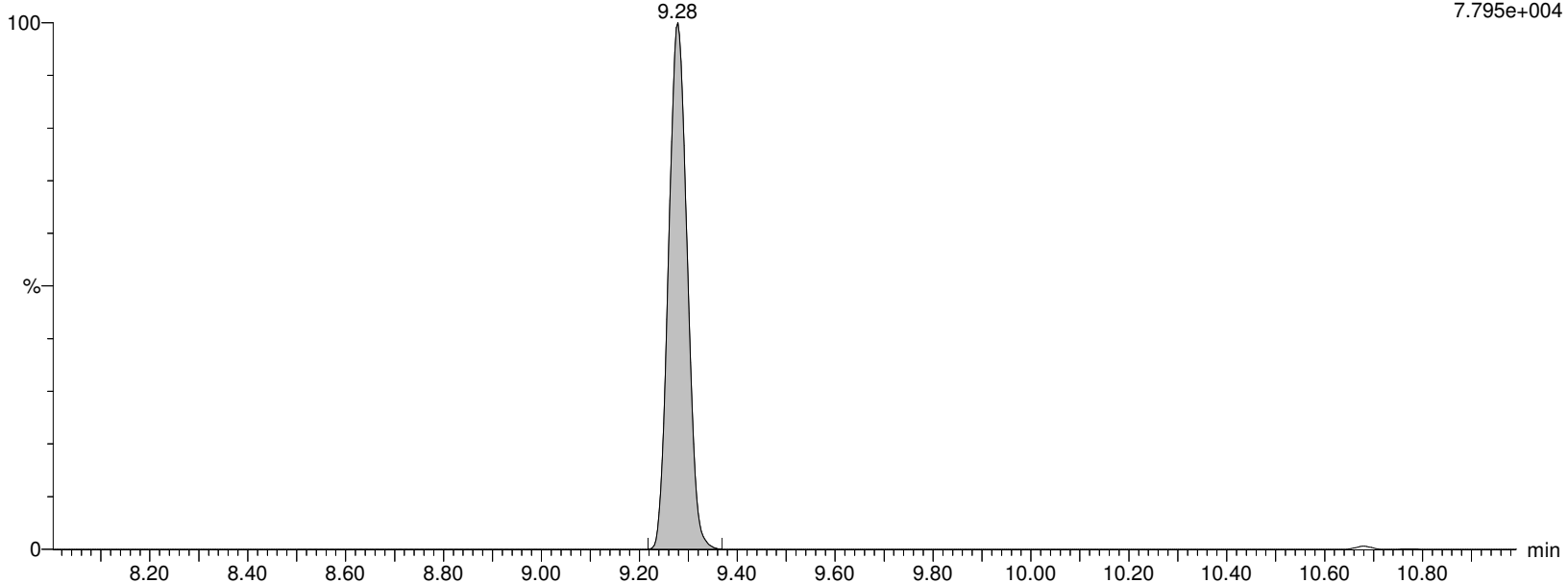
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F25:MRM of 2 channels,ES-

448.926 > 99.22

7.795e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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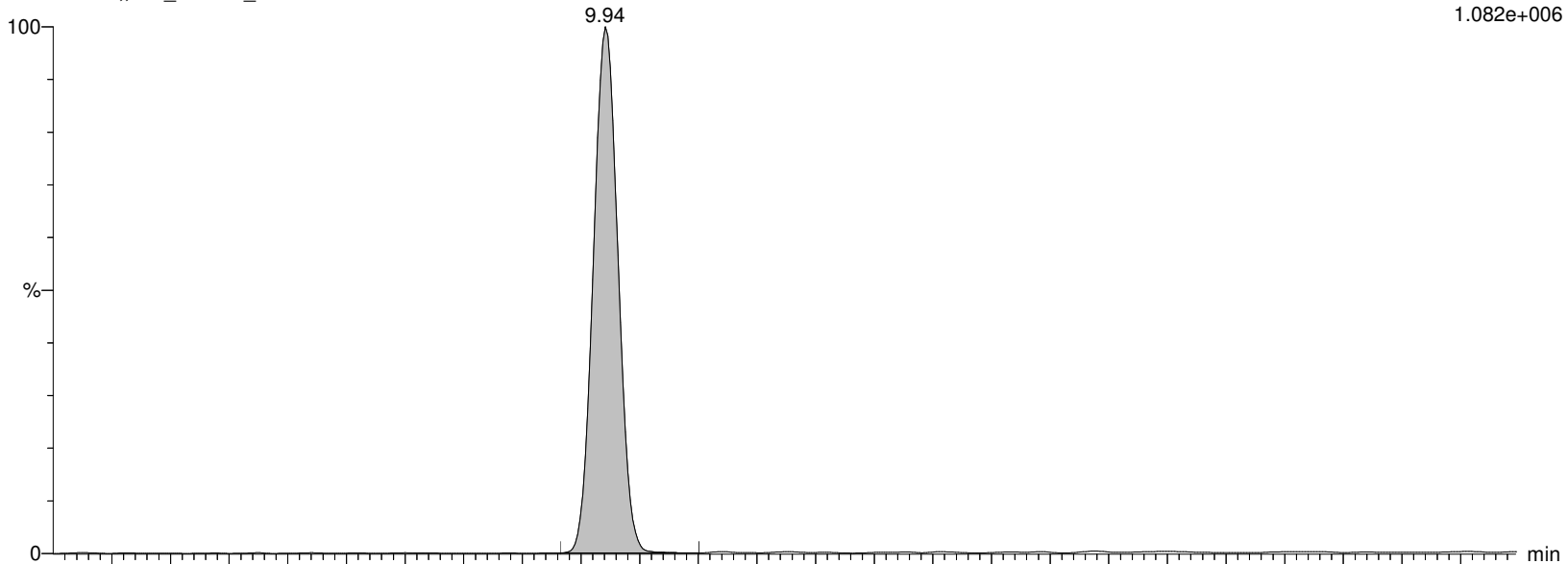
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F26:MRM of 2 channels,ES-

462.989 > 418.931

1.082e+006



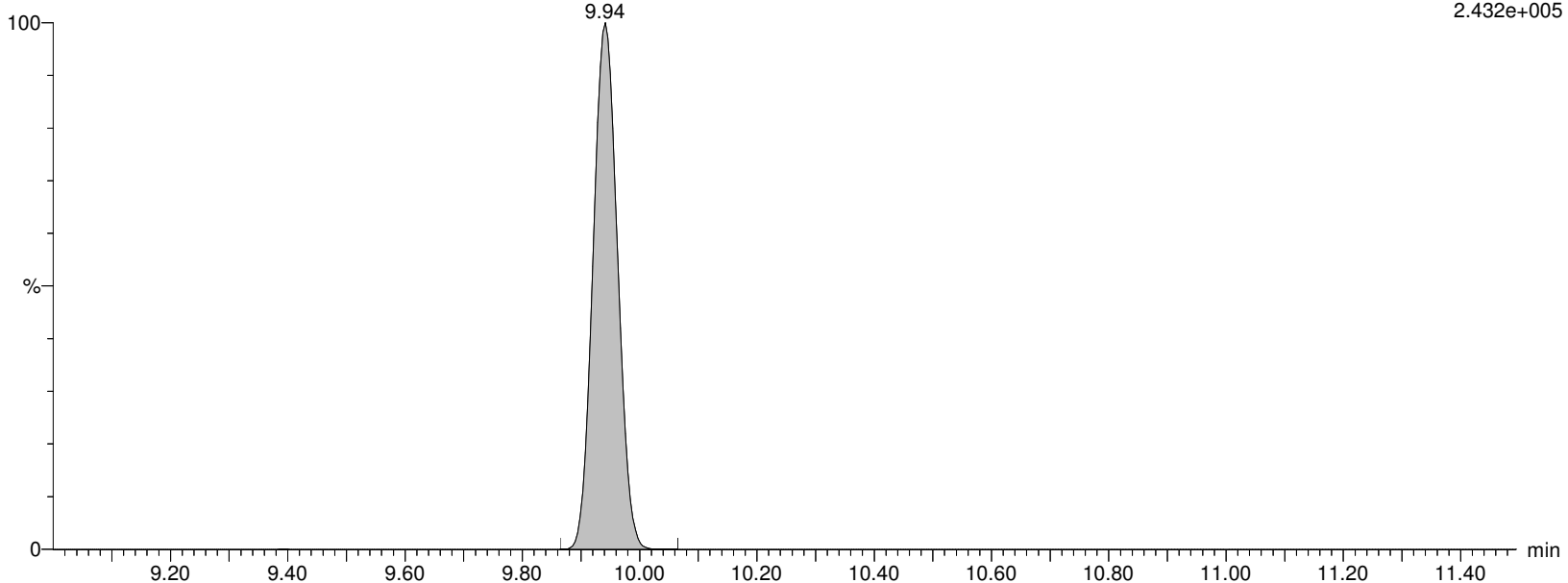
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F26:MRM of 2 channels,ES-

462.989 > 219.04

2.432e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

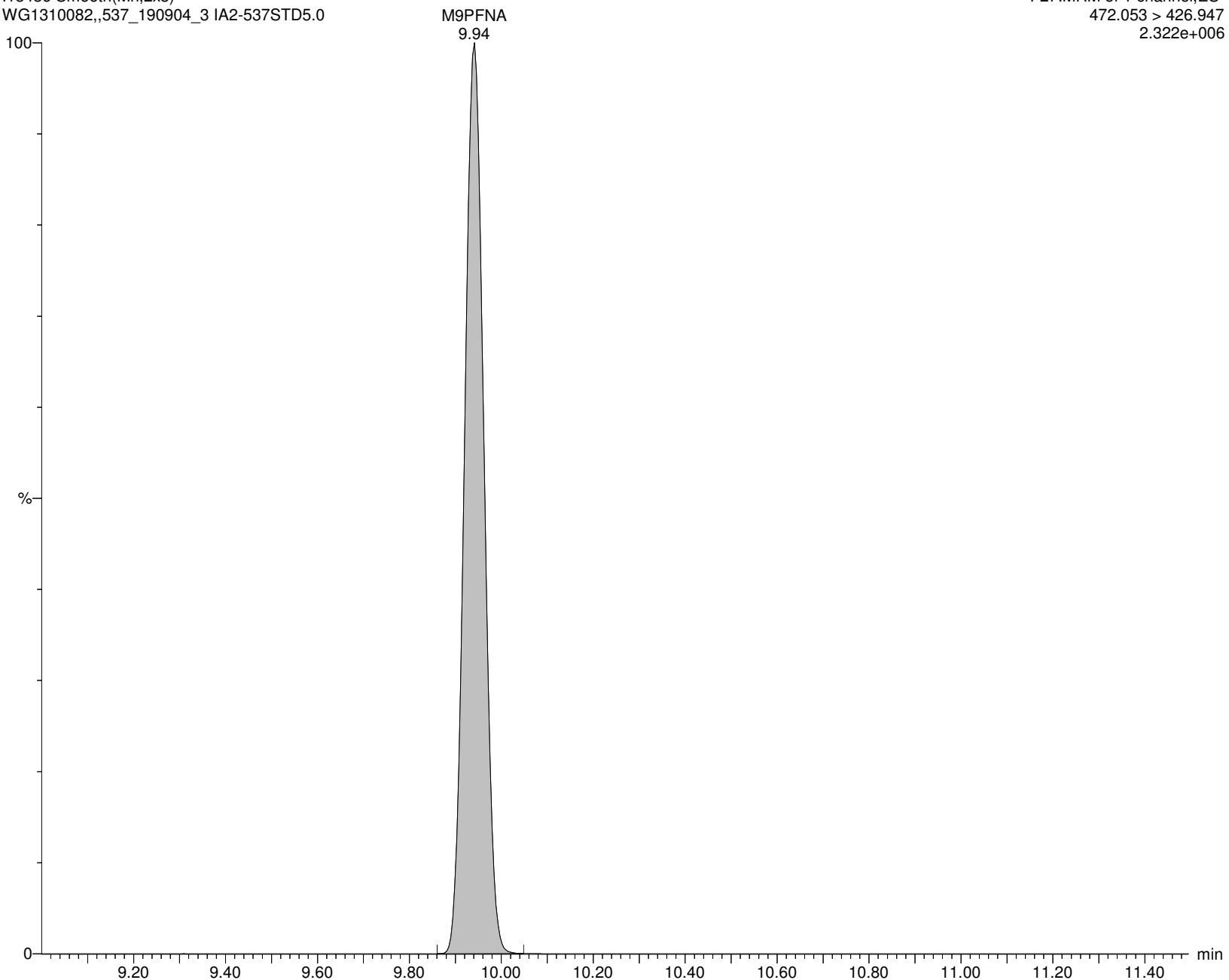
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.322e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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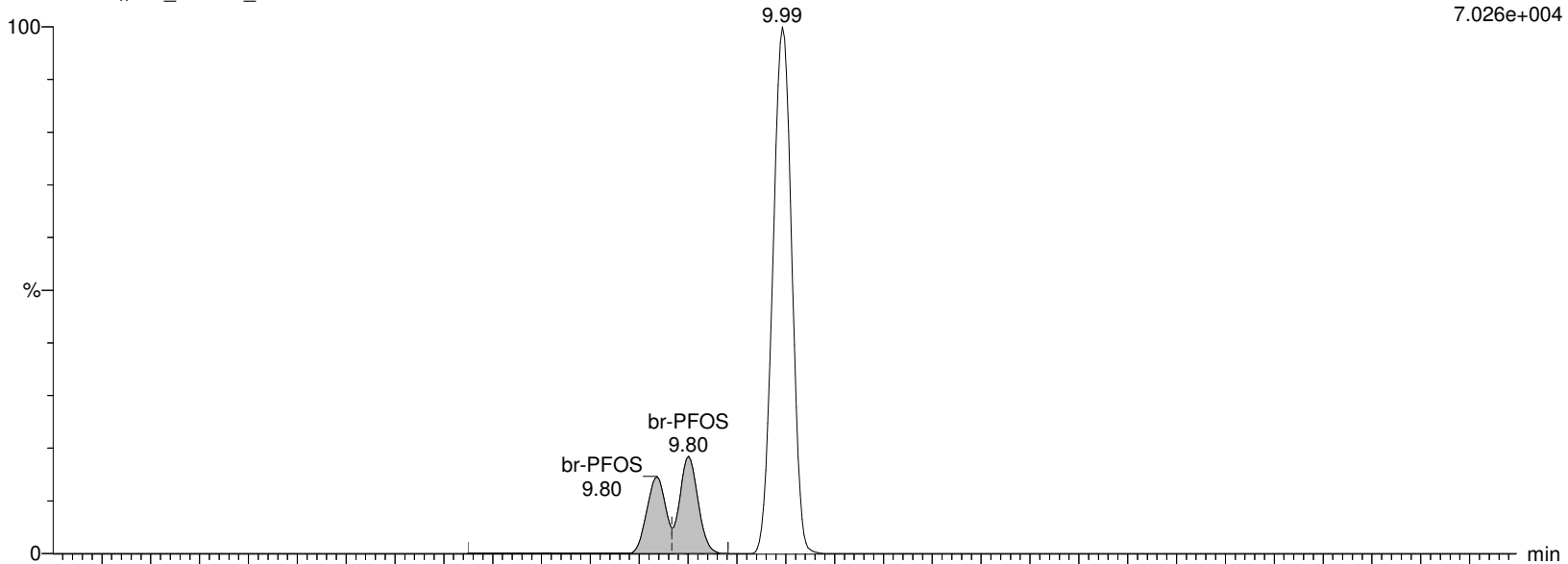
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

7.026e+004



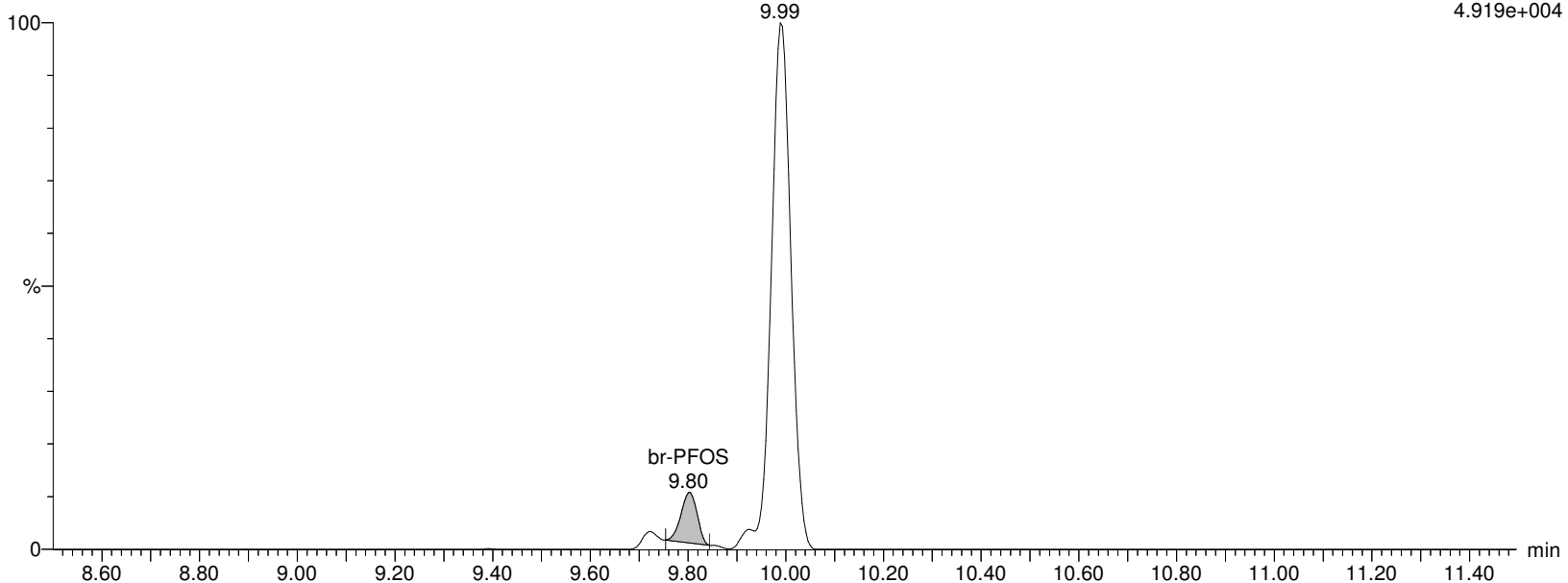
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

4.919e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

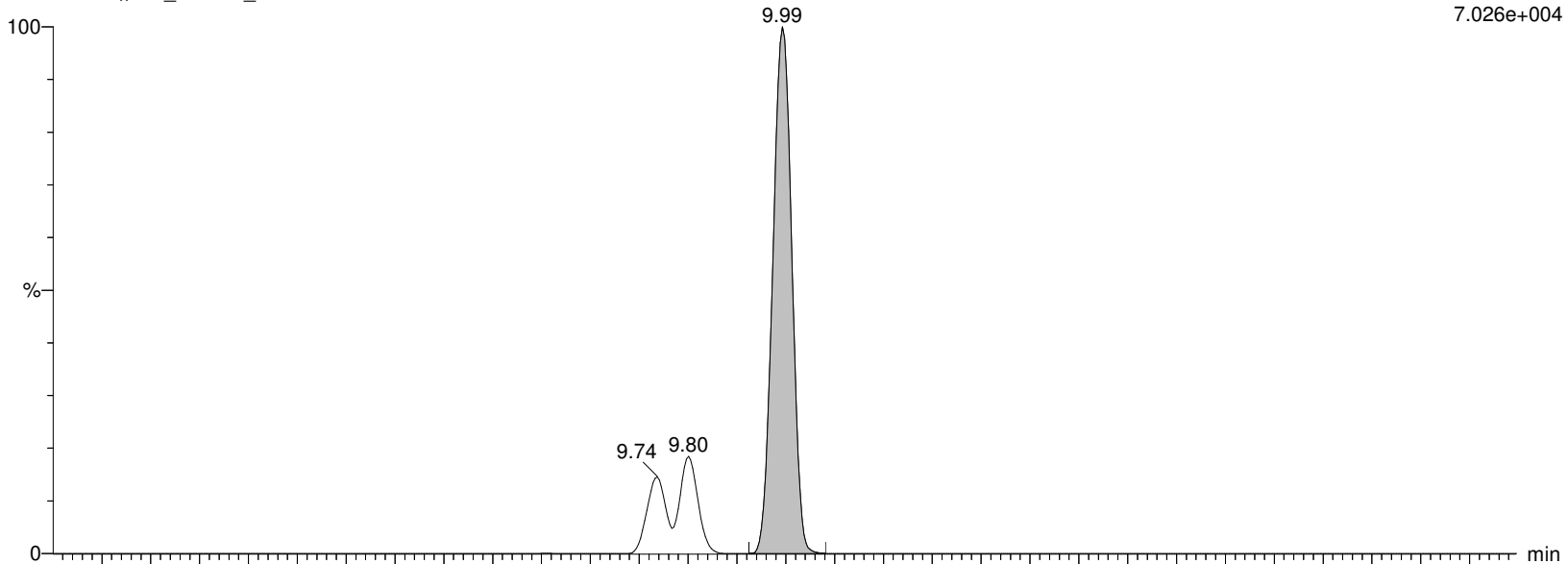
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

7.026e+004



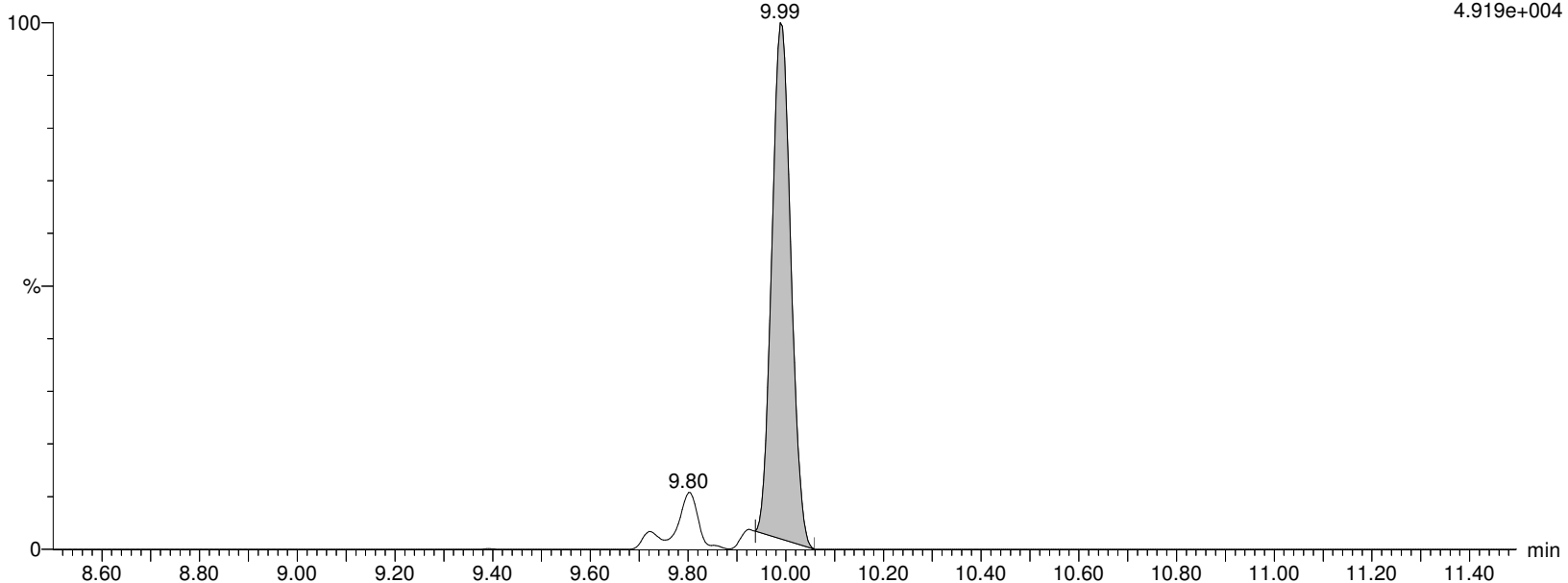
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

4.919e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

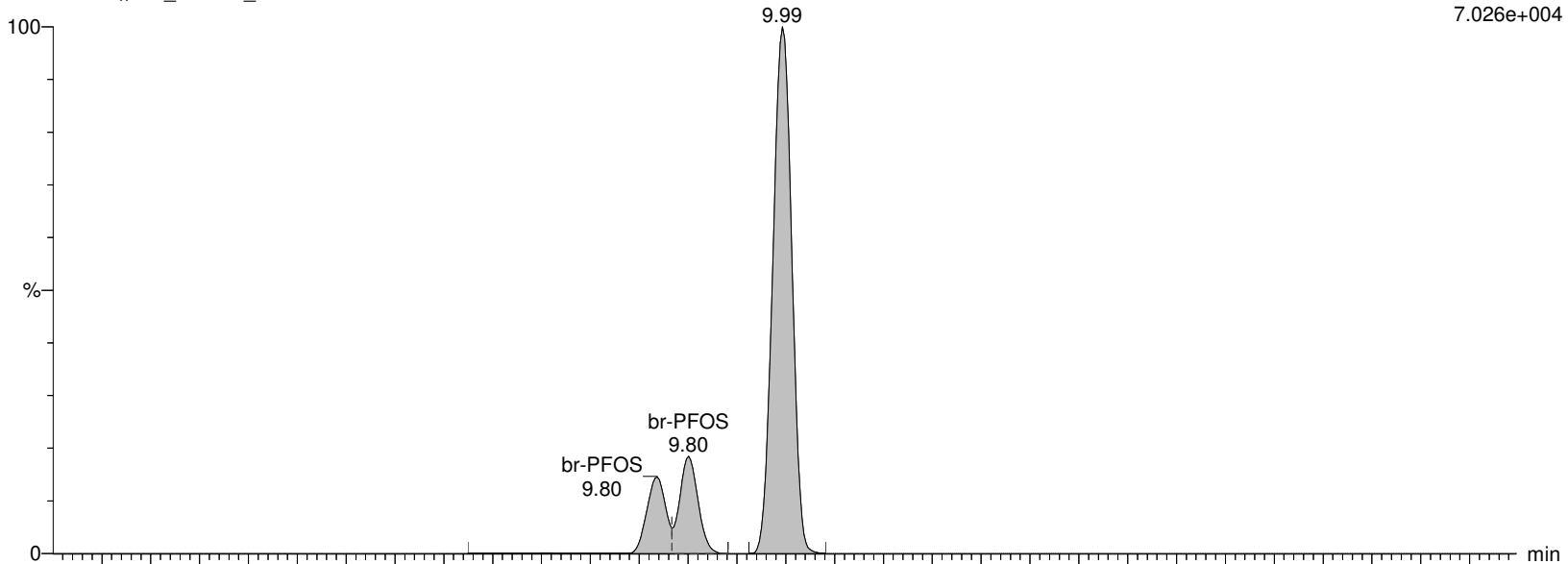
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WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

7.026e+004



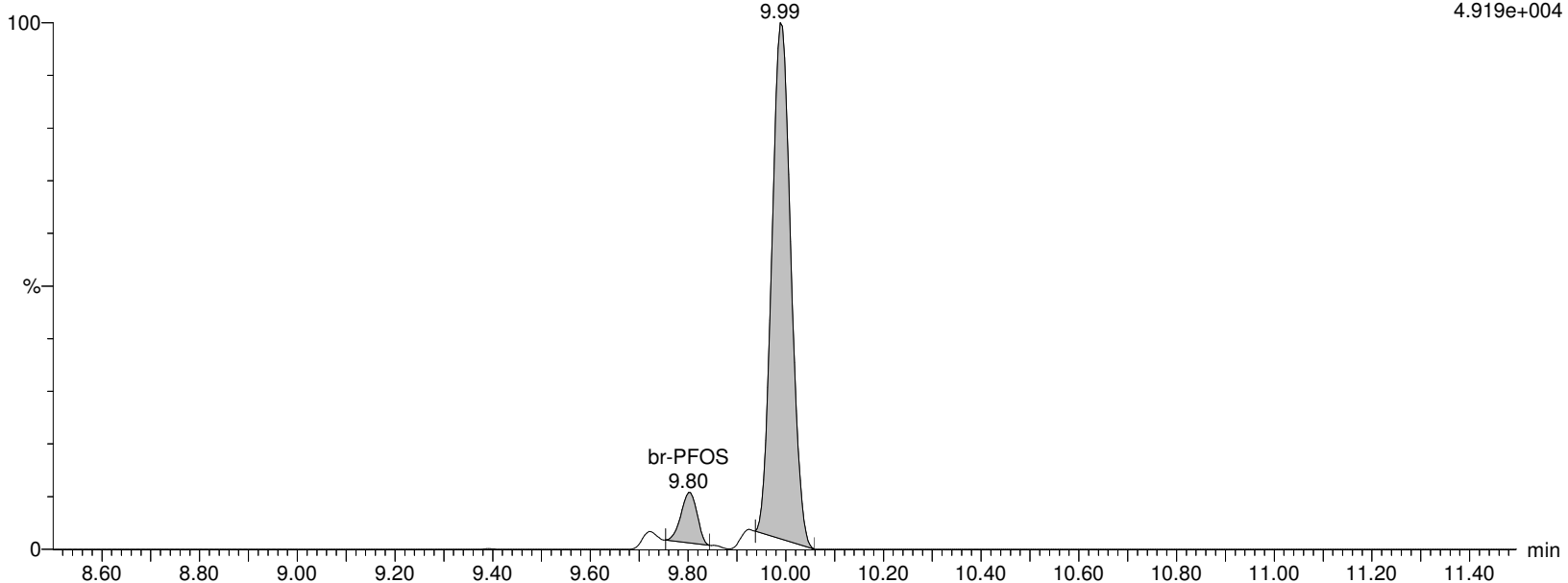
I13436 Smooth(Mn,3x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

4.919e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

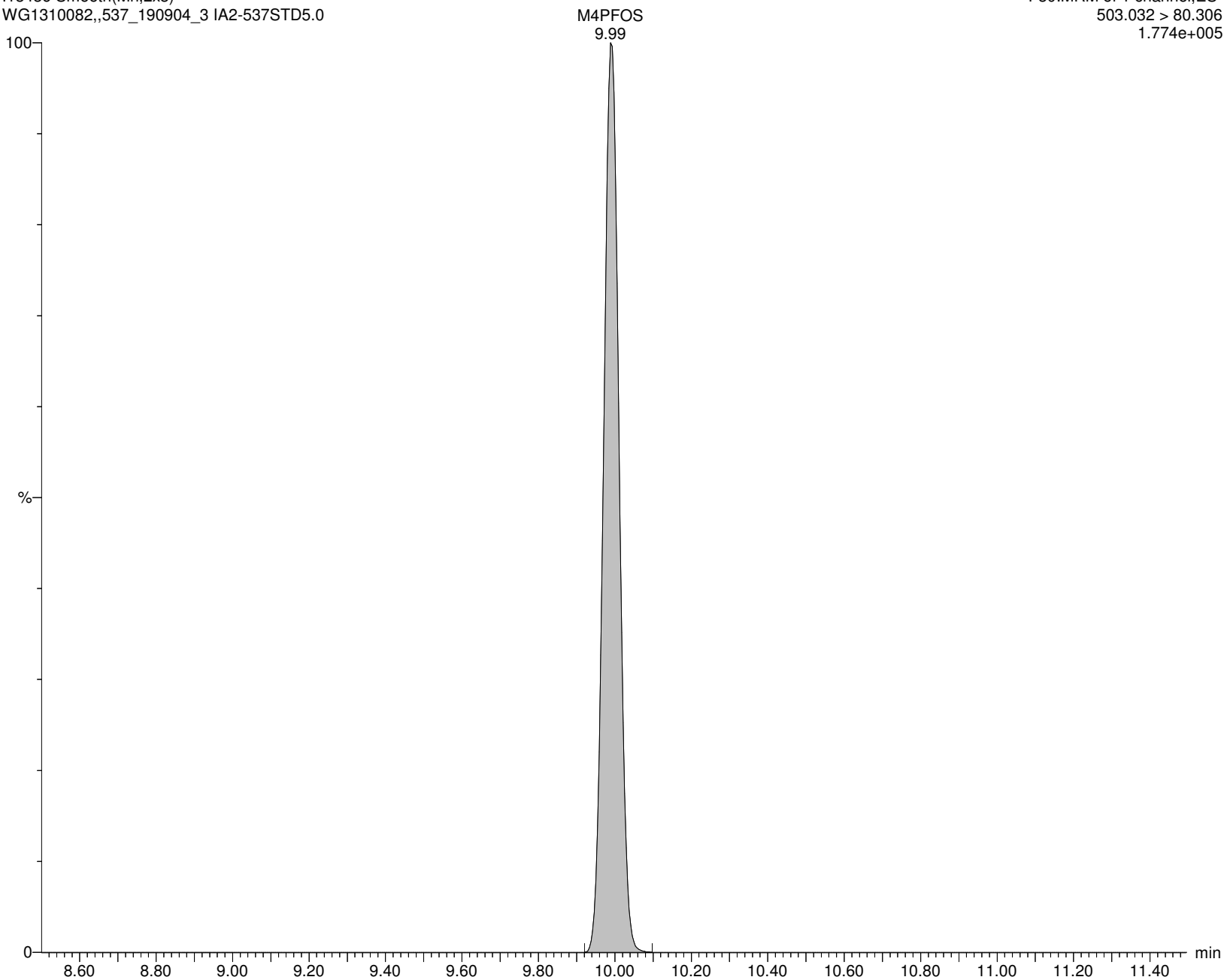
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.774e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

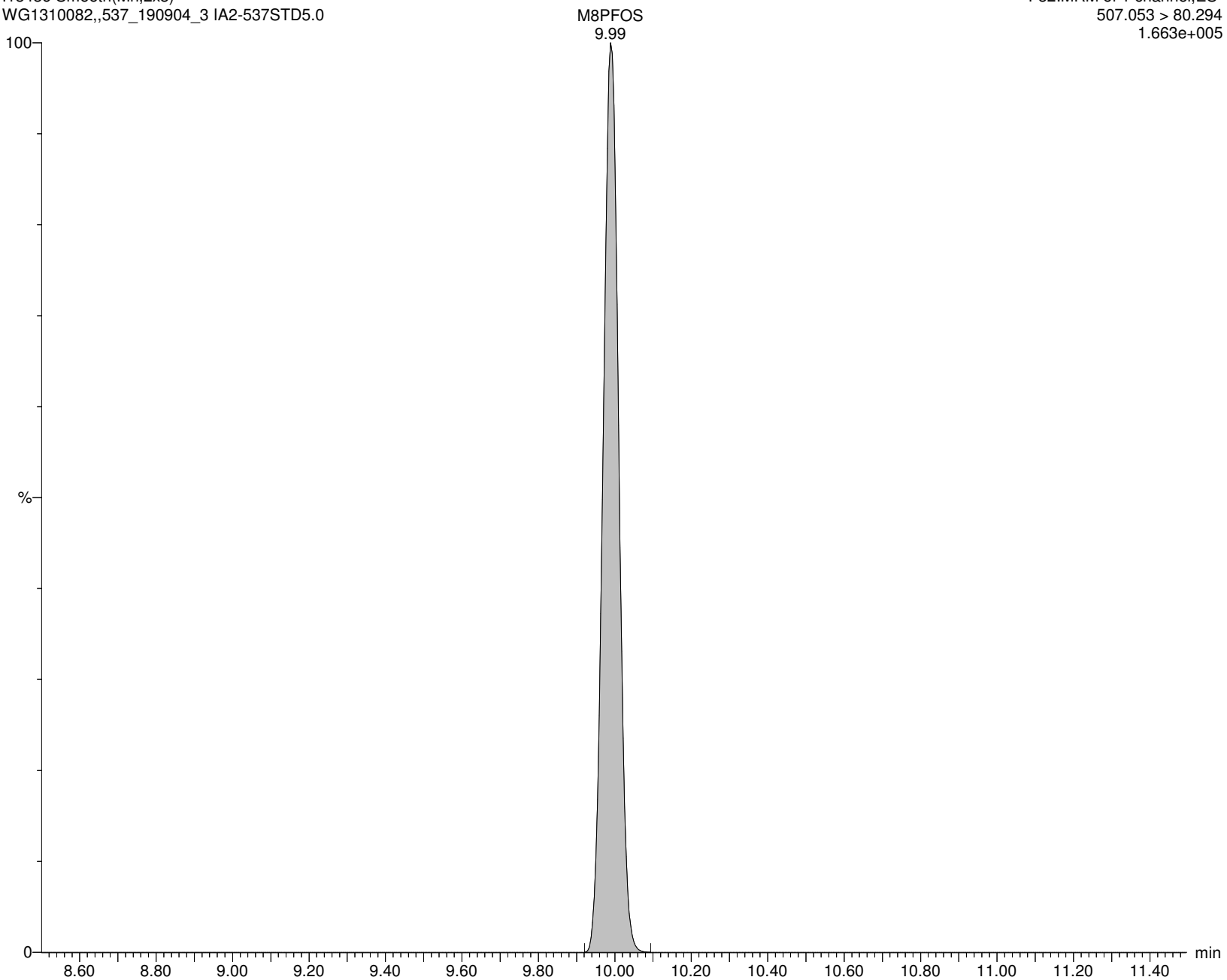
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.663e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

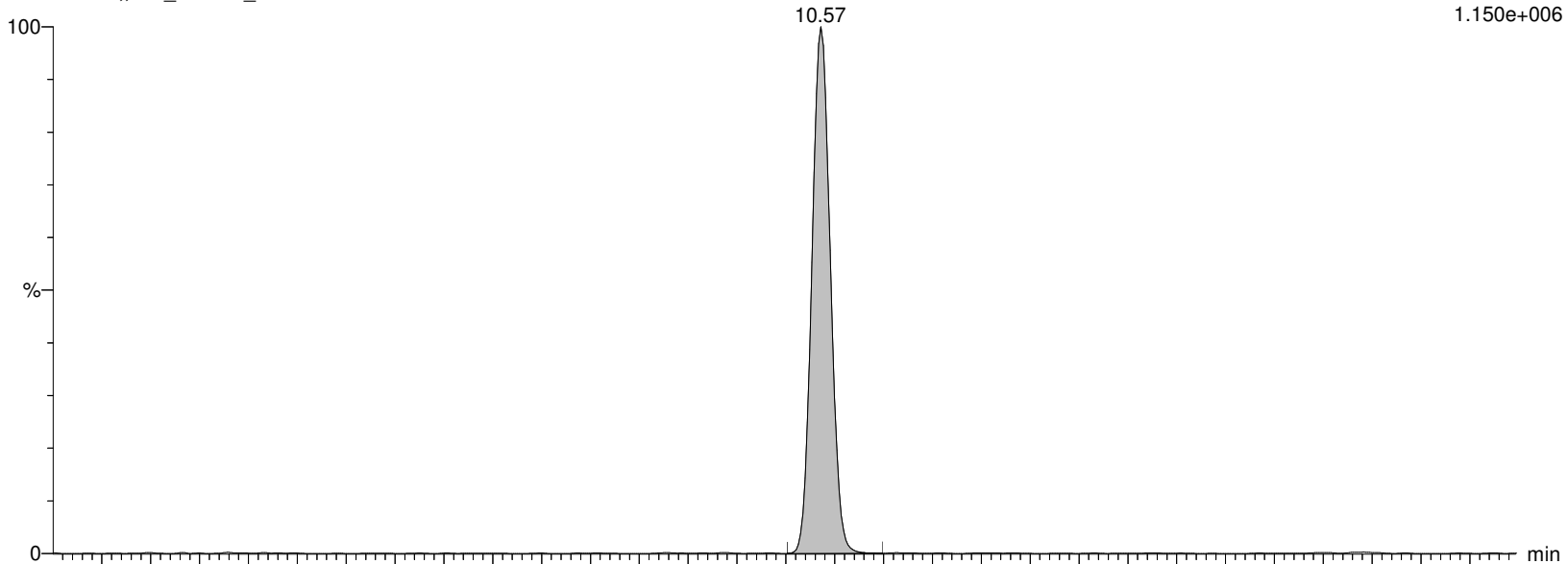
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F34:MRM of 2 channels,ES-

513.053 > 468.906

1.150e+006



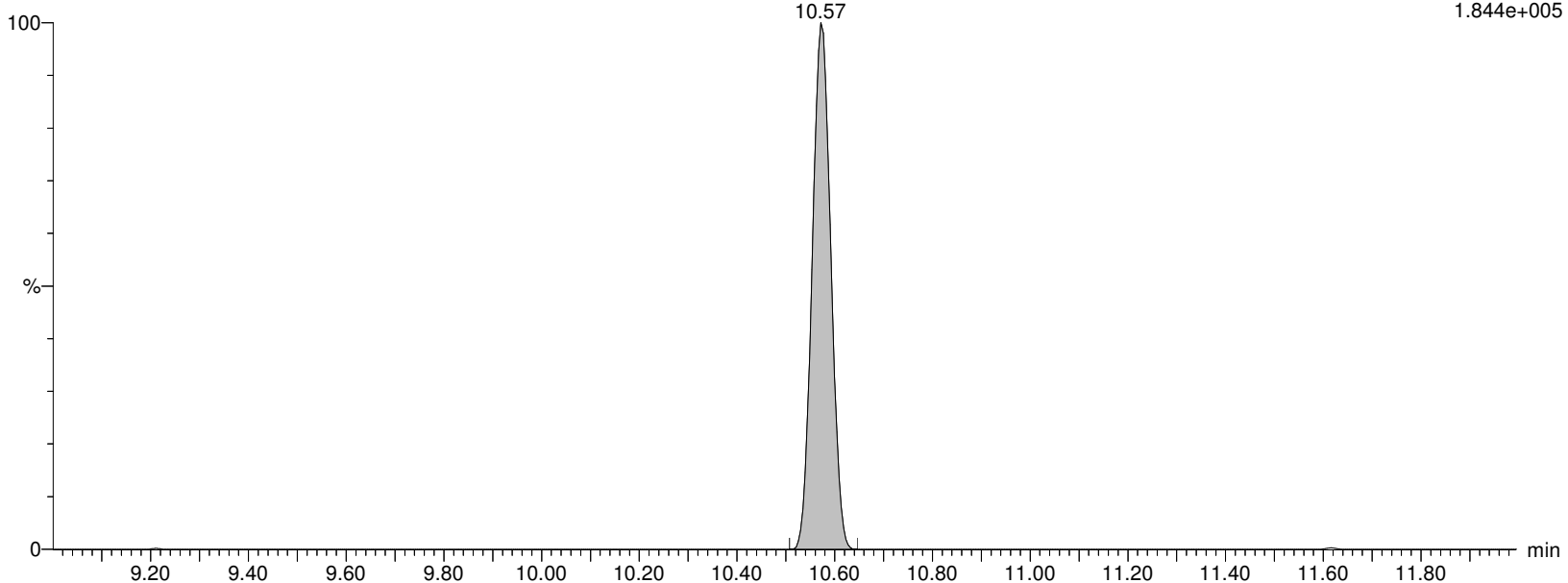
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F34:MRM of 2 channels,ES-

513.053 > 219.08

1.844e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

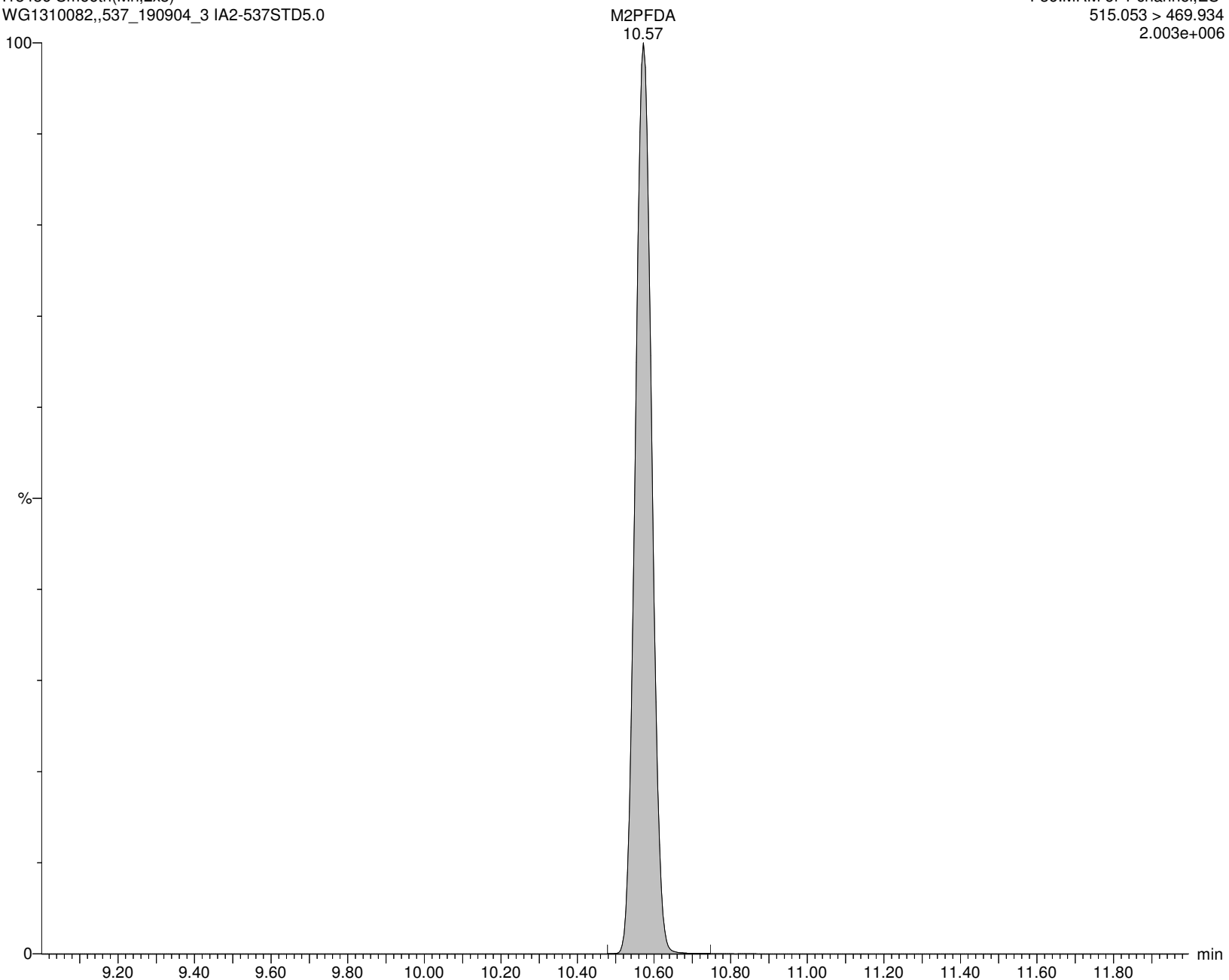
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.003e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

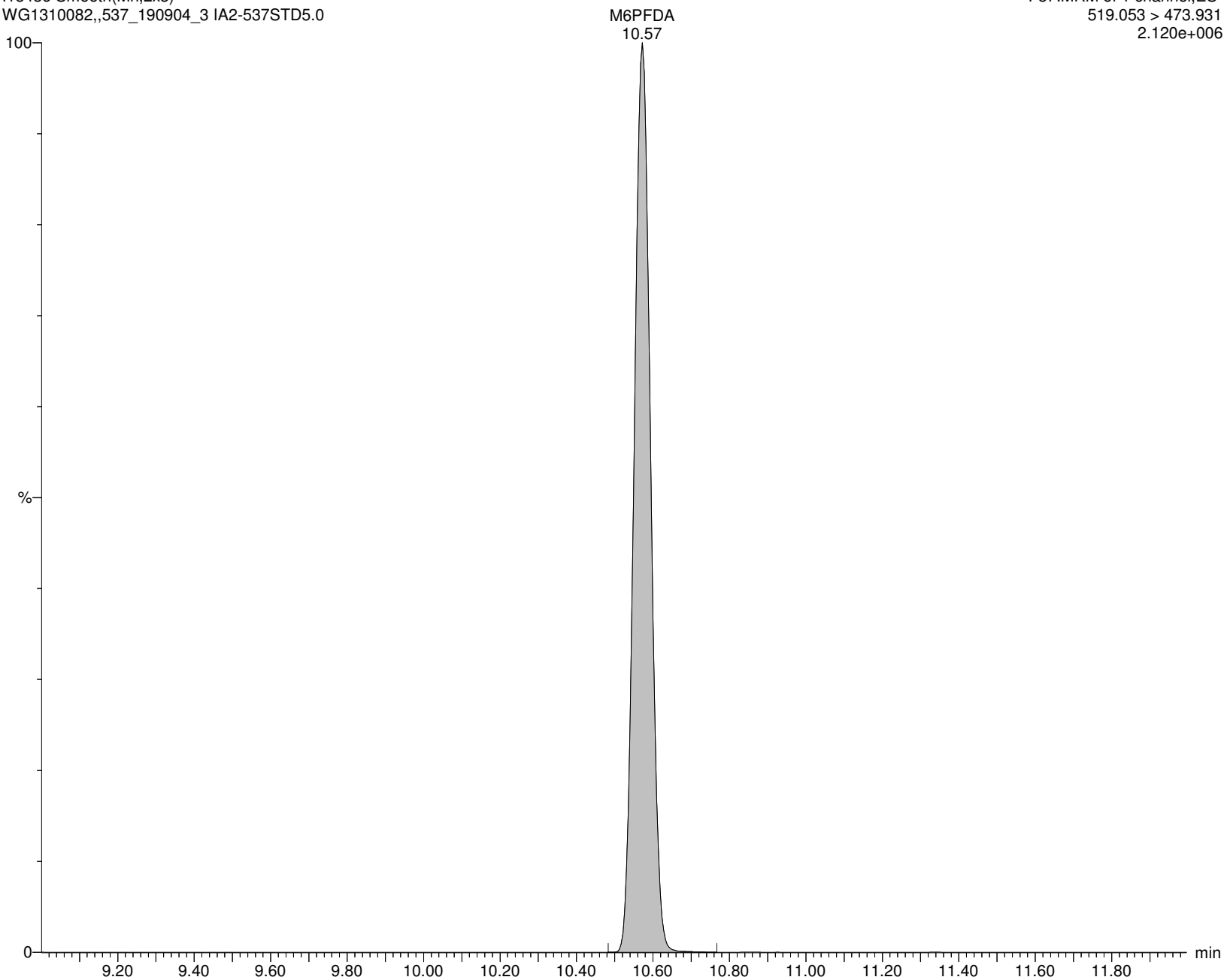
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.120e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

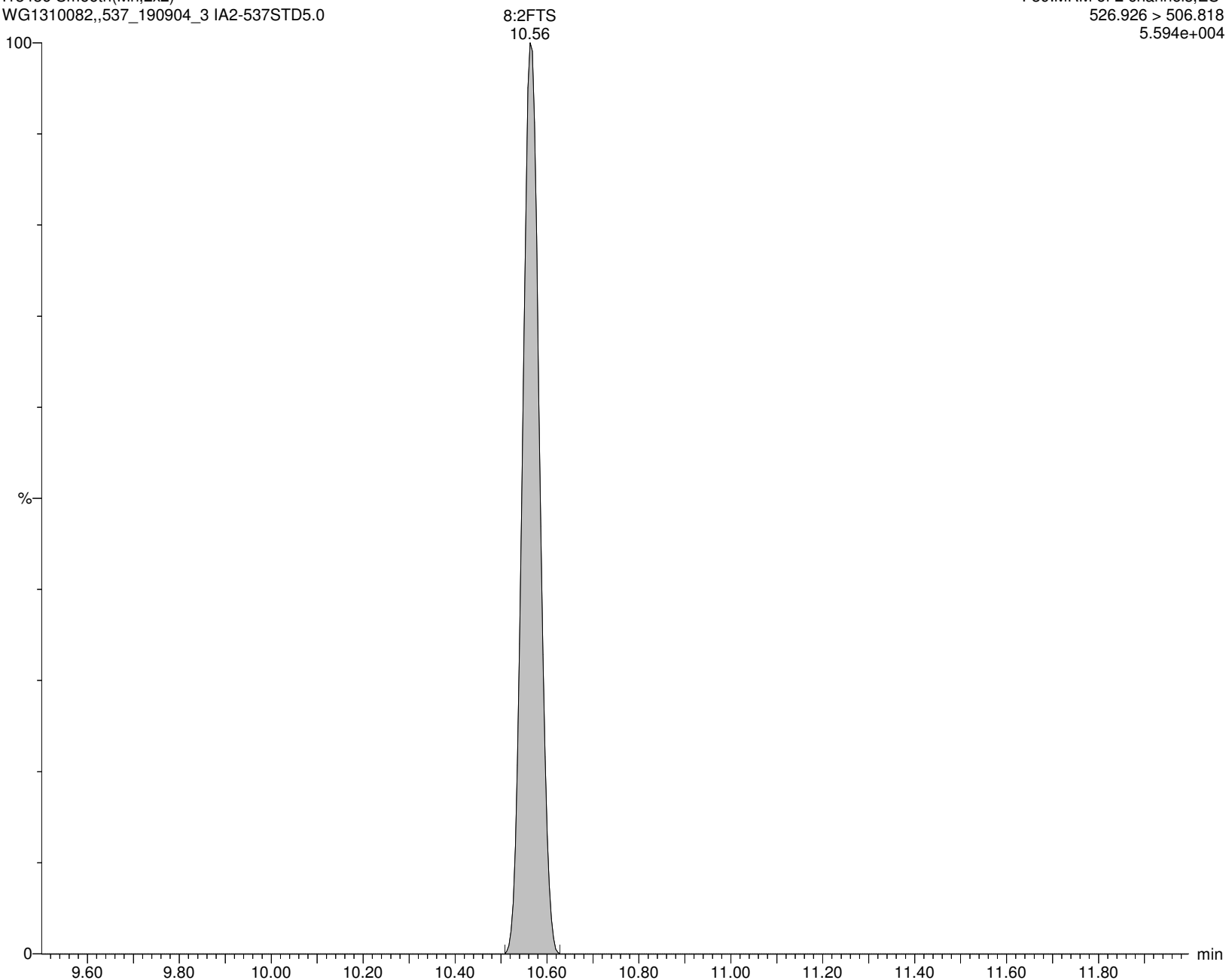
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F39:MRM of 2 channels,ES-

526.926 > 506.818

5.594e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

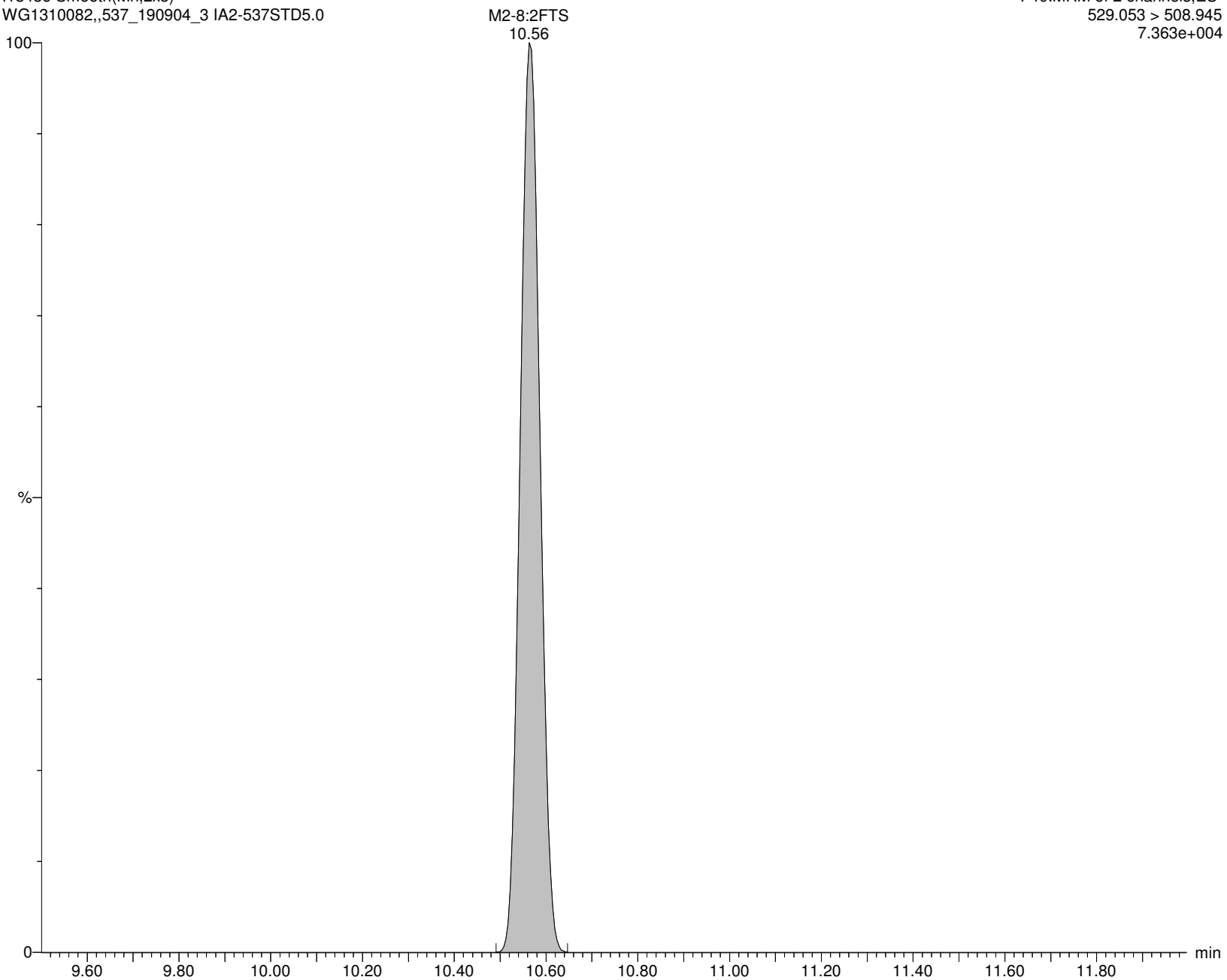
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F40:MRM of 2 channels,ES-

529.053 > 508.945

7.363e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

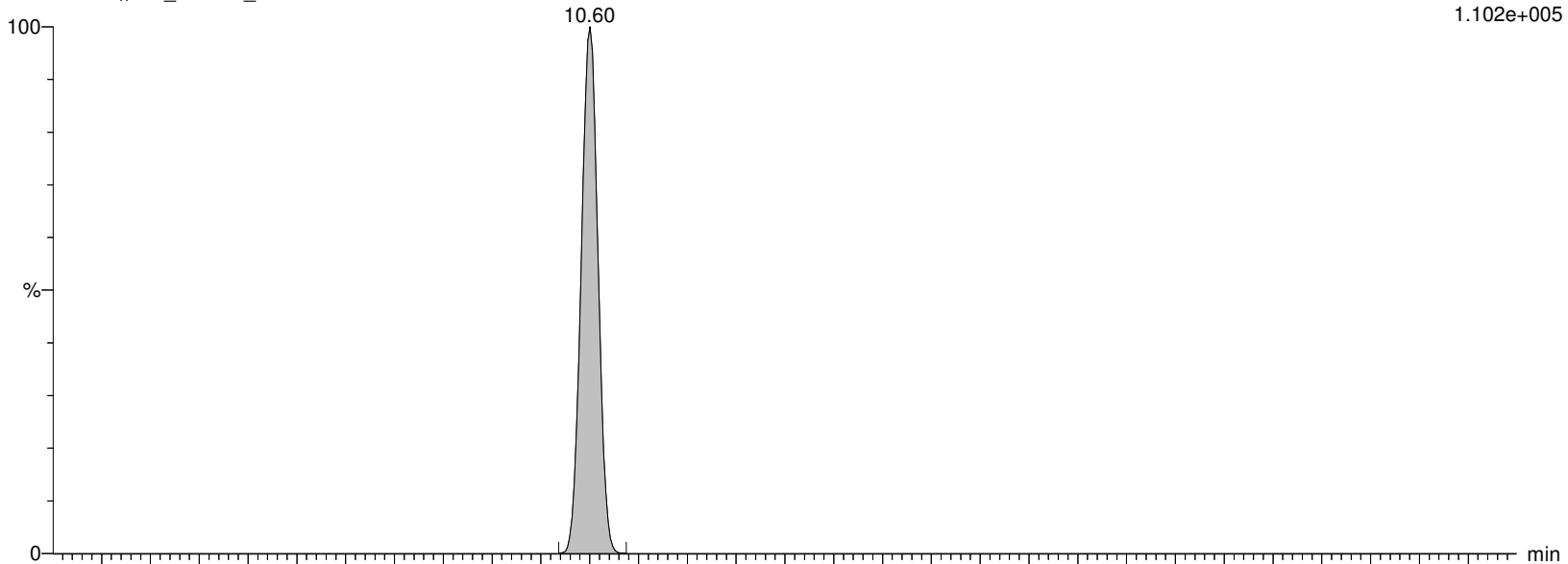
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F43:MRM of 2 channels,ES-

548.989 > 80.249

1.102e+005



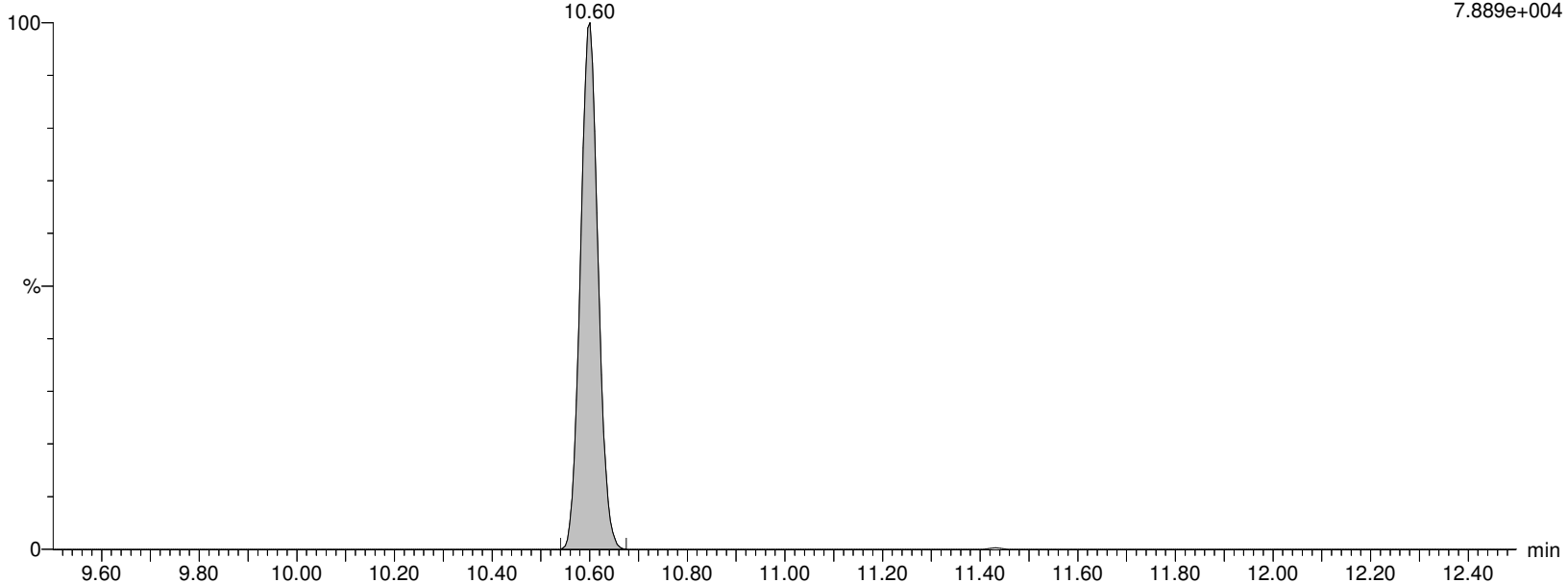
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F43:MRM of 2 channels,ES-

548.989 > 99.22

7.889e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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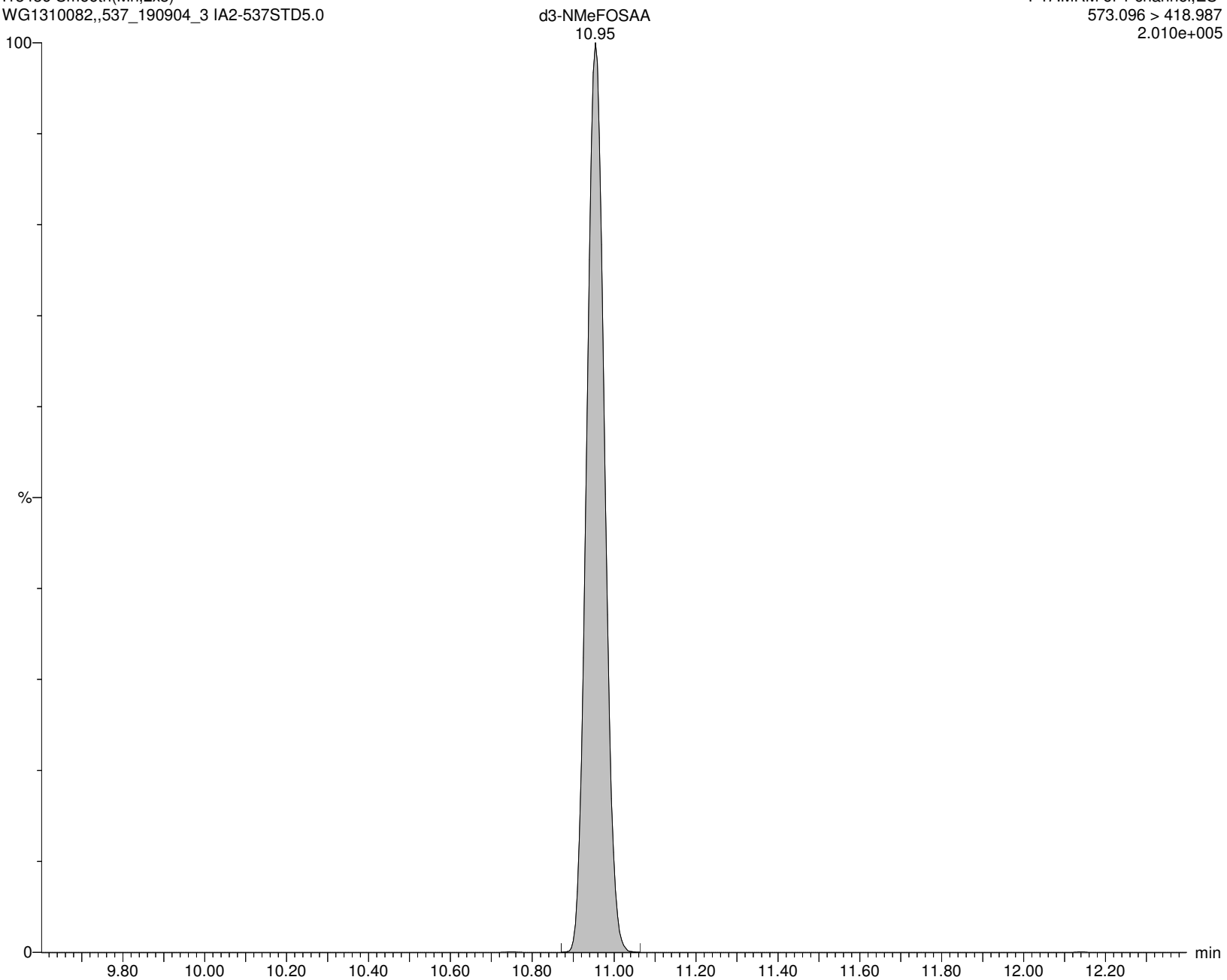
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.010e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

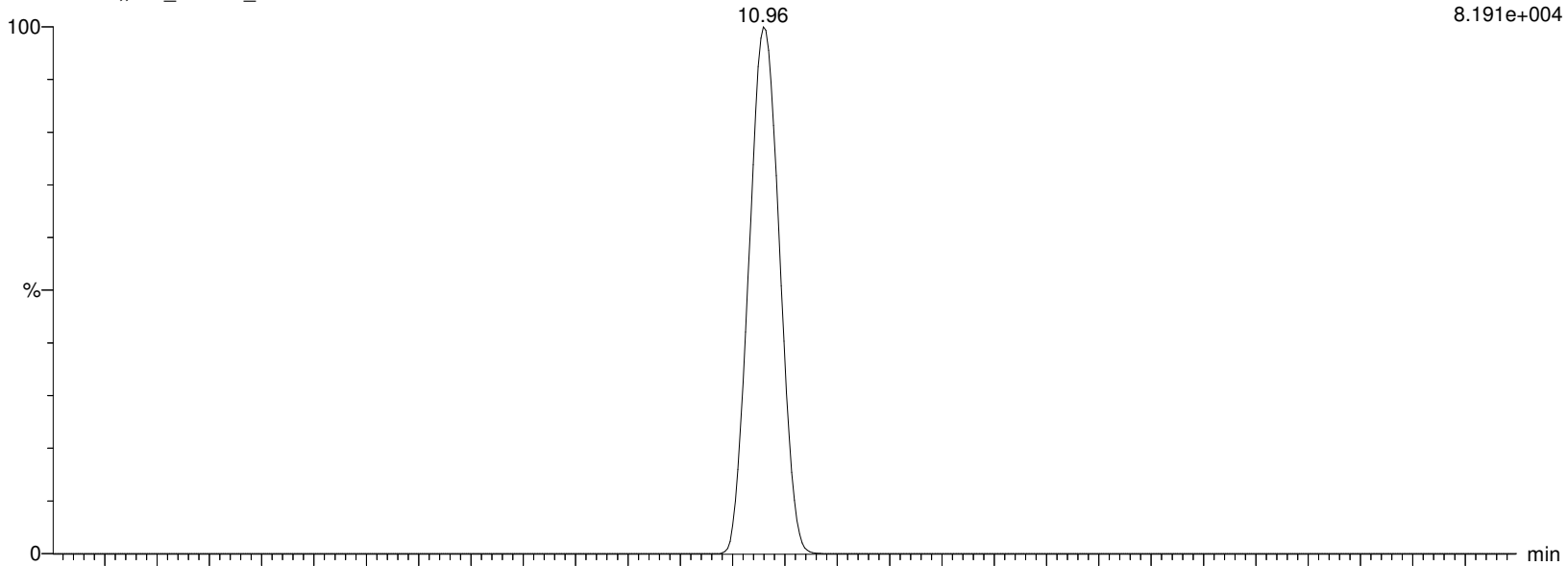
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

8.191e+004



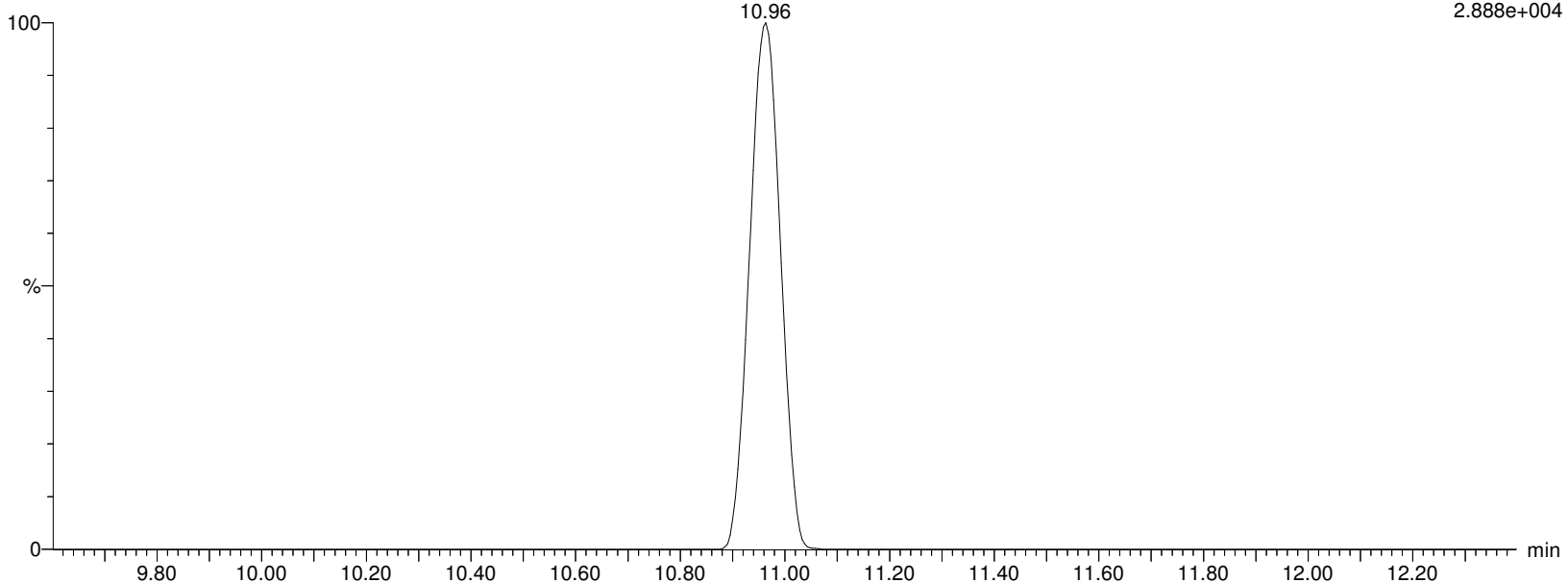
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.888e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

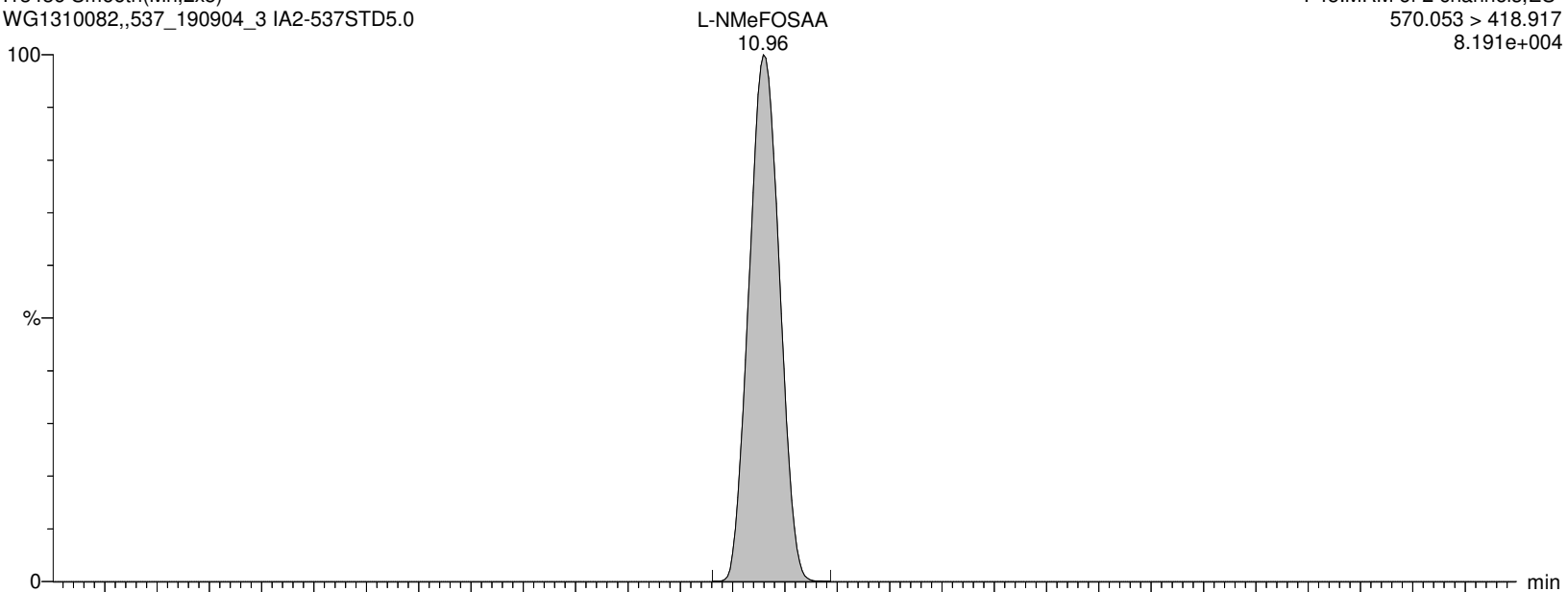
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

8.191e+004



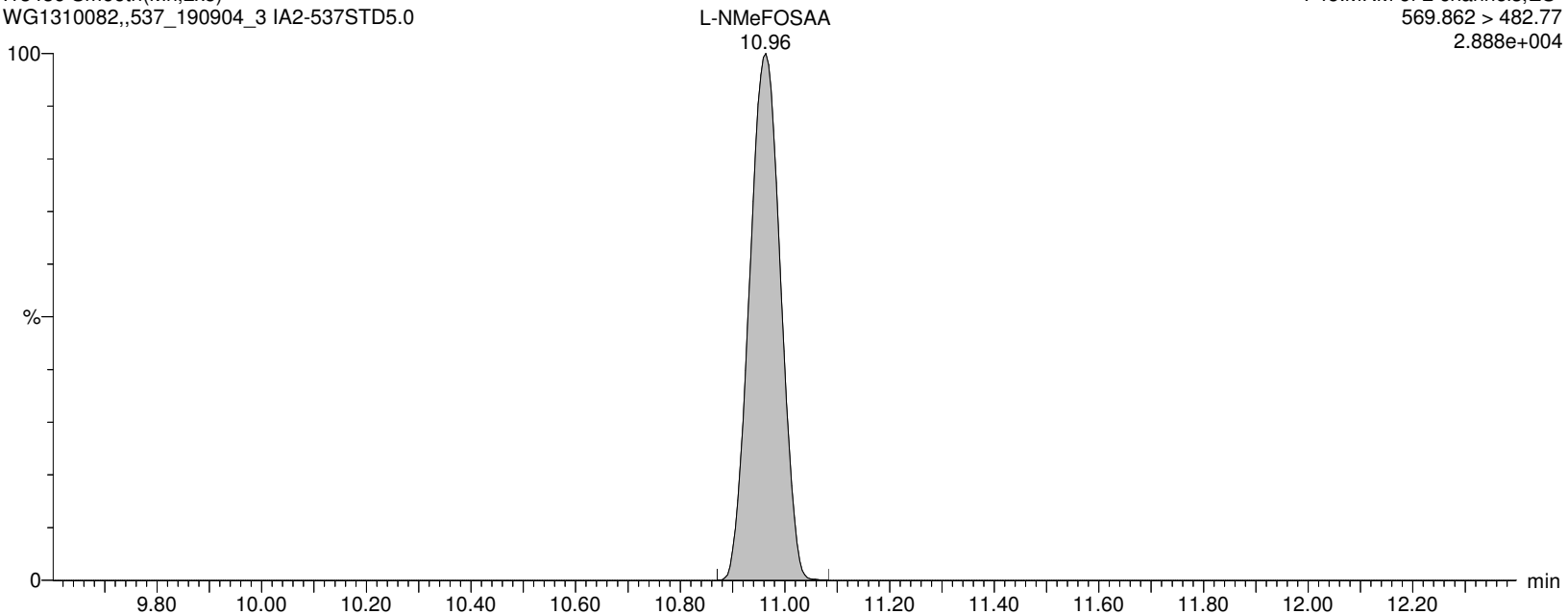
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.888e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

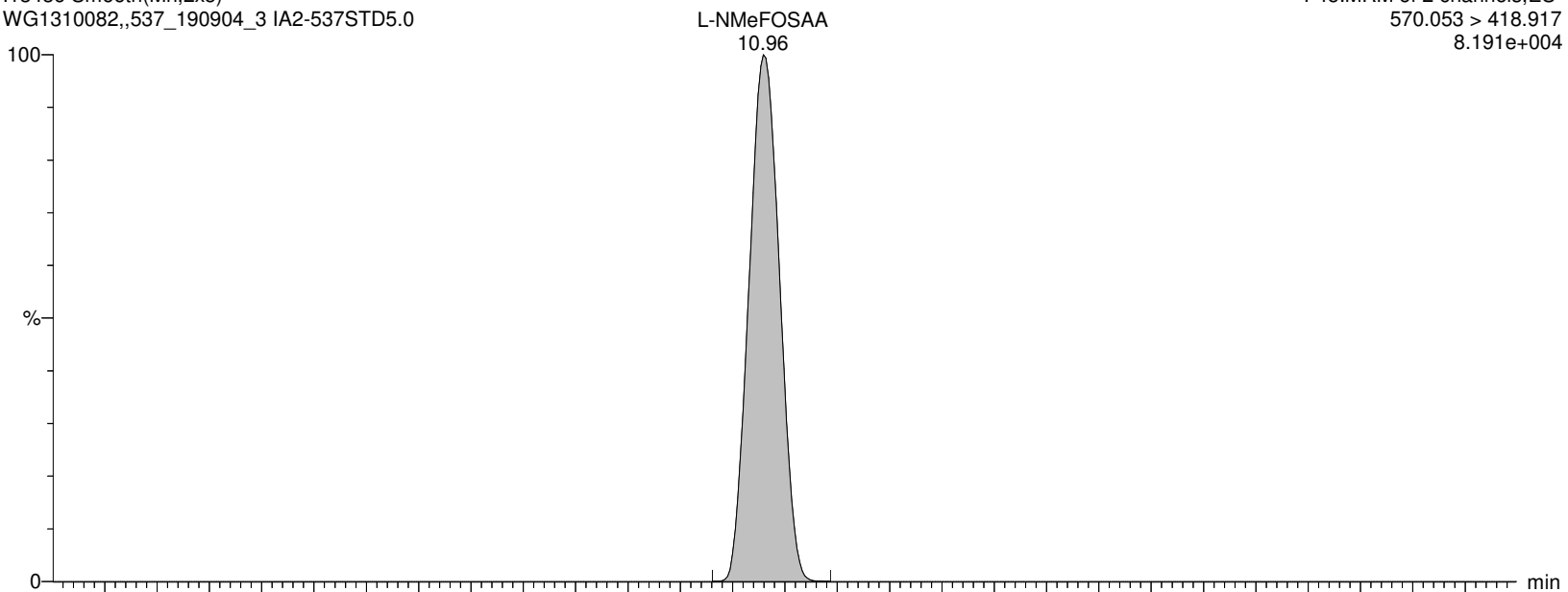
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

8.191e+004



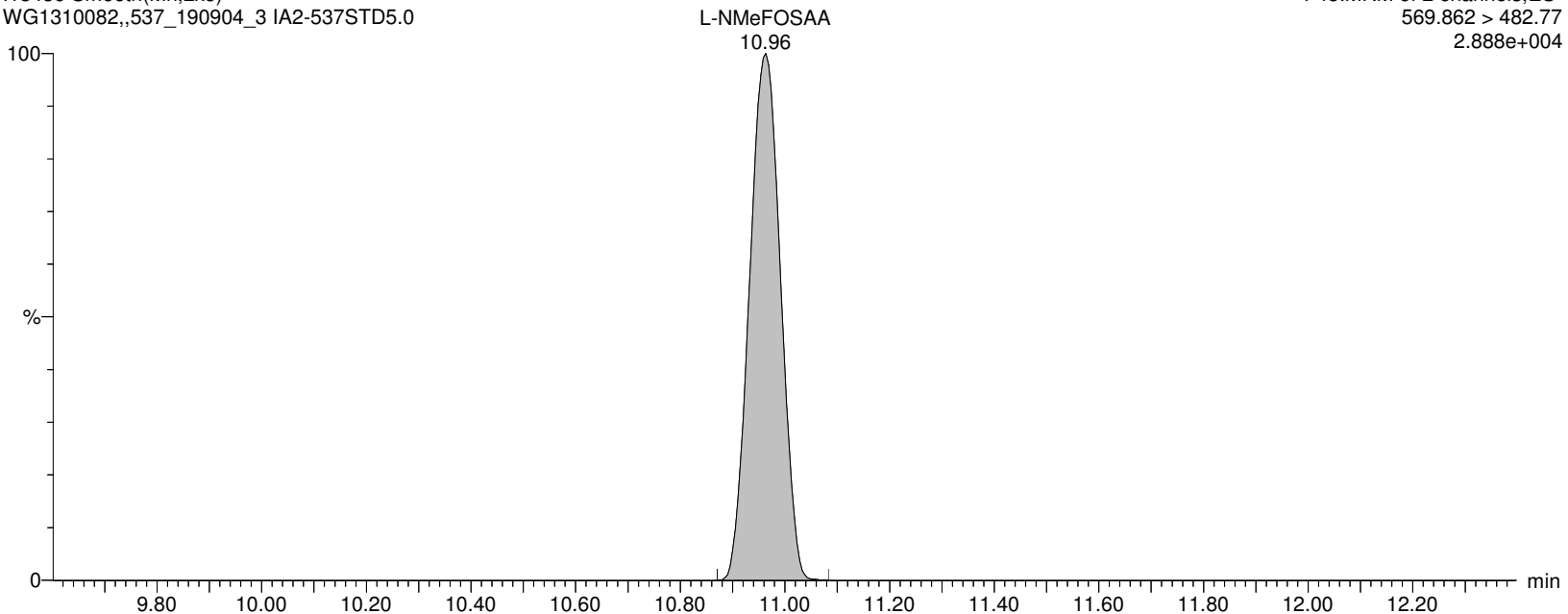
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.888e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

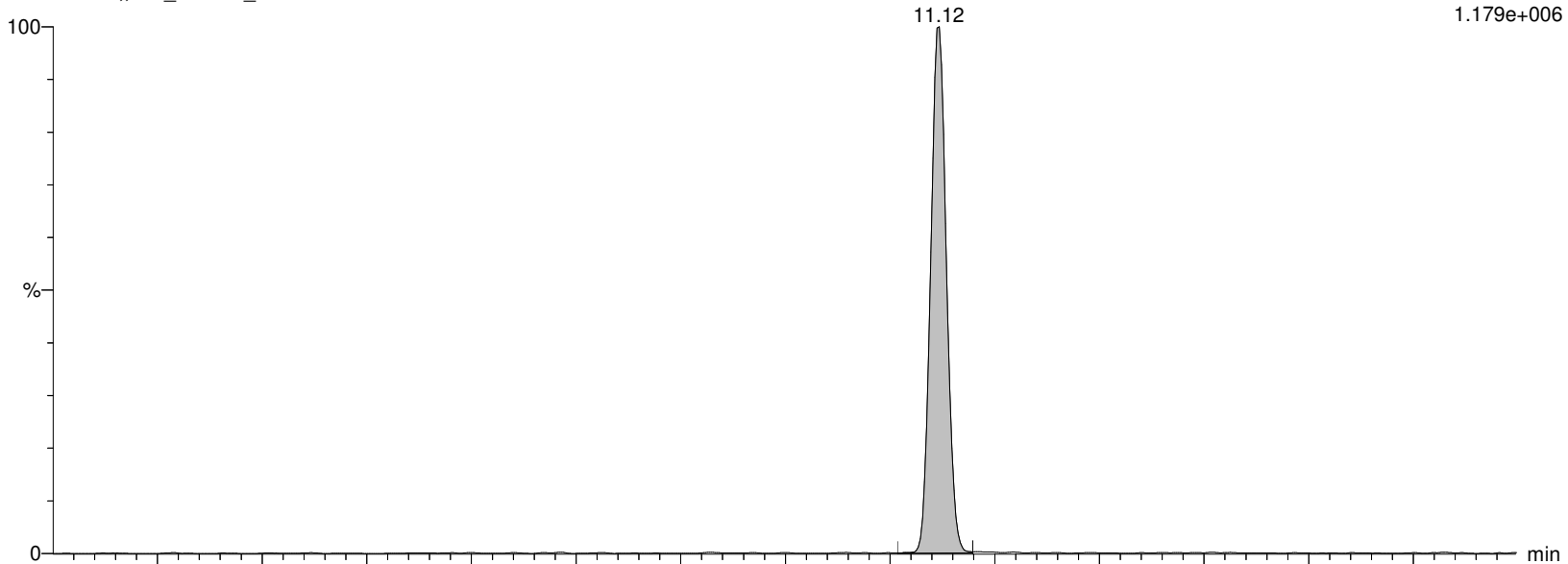
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F44:MRM of 2 channels,ES-

562.989 > 518.903

1.179e+006



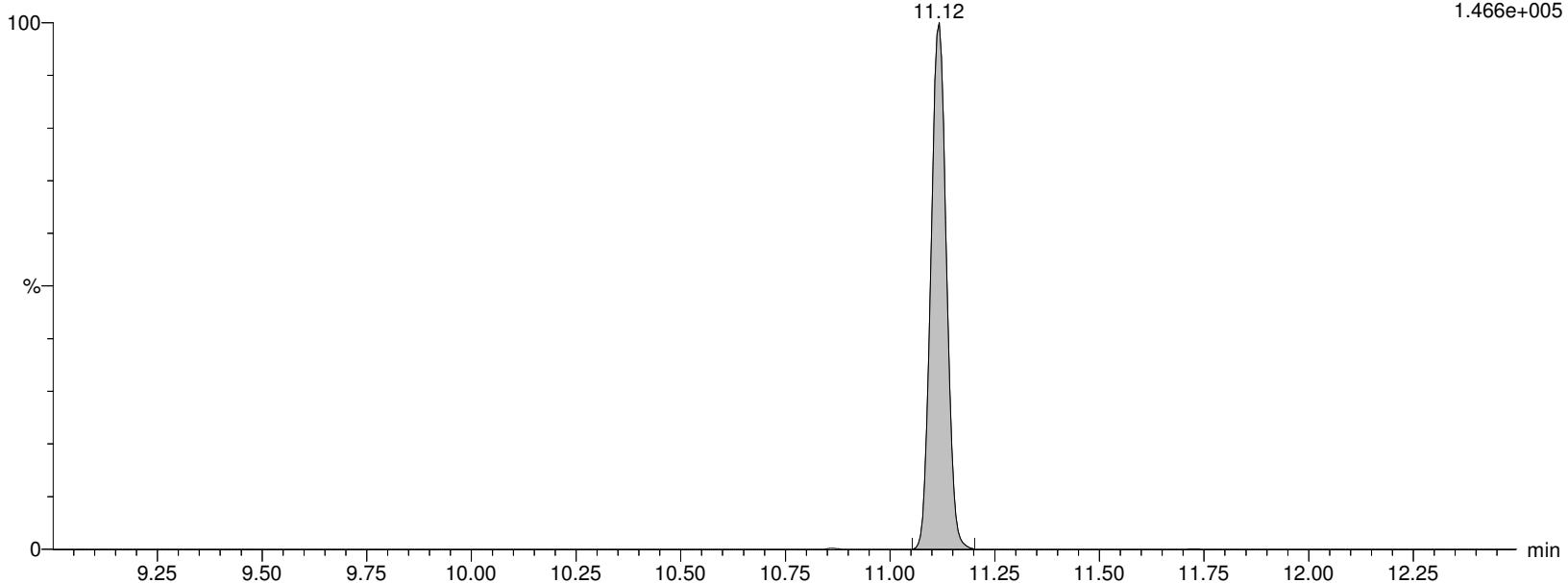
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F44:MRM of 2 channels,ES-

562.989 > 269.01

1.466e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

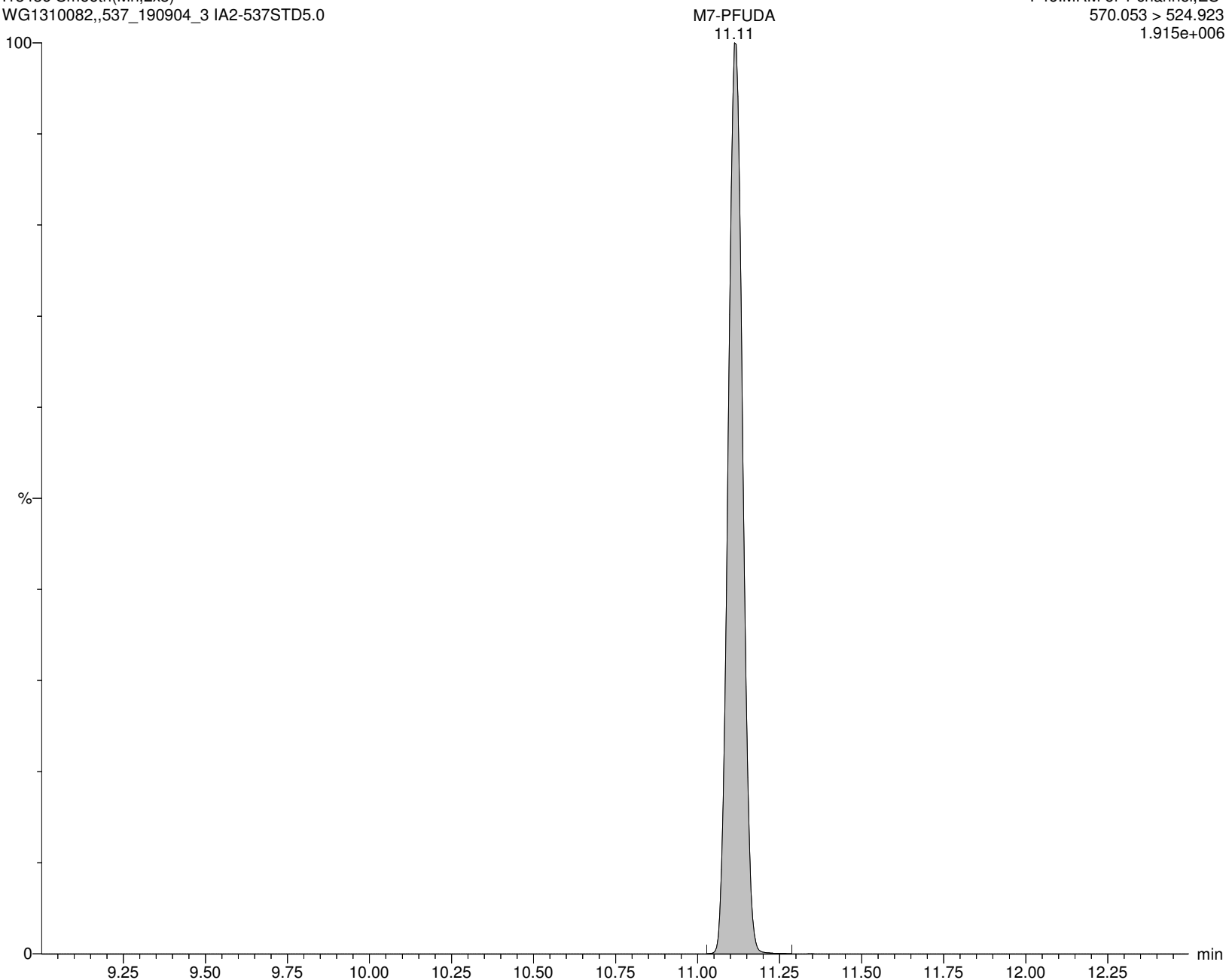
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.915e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

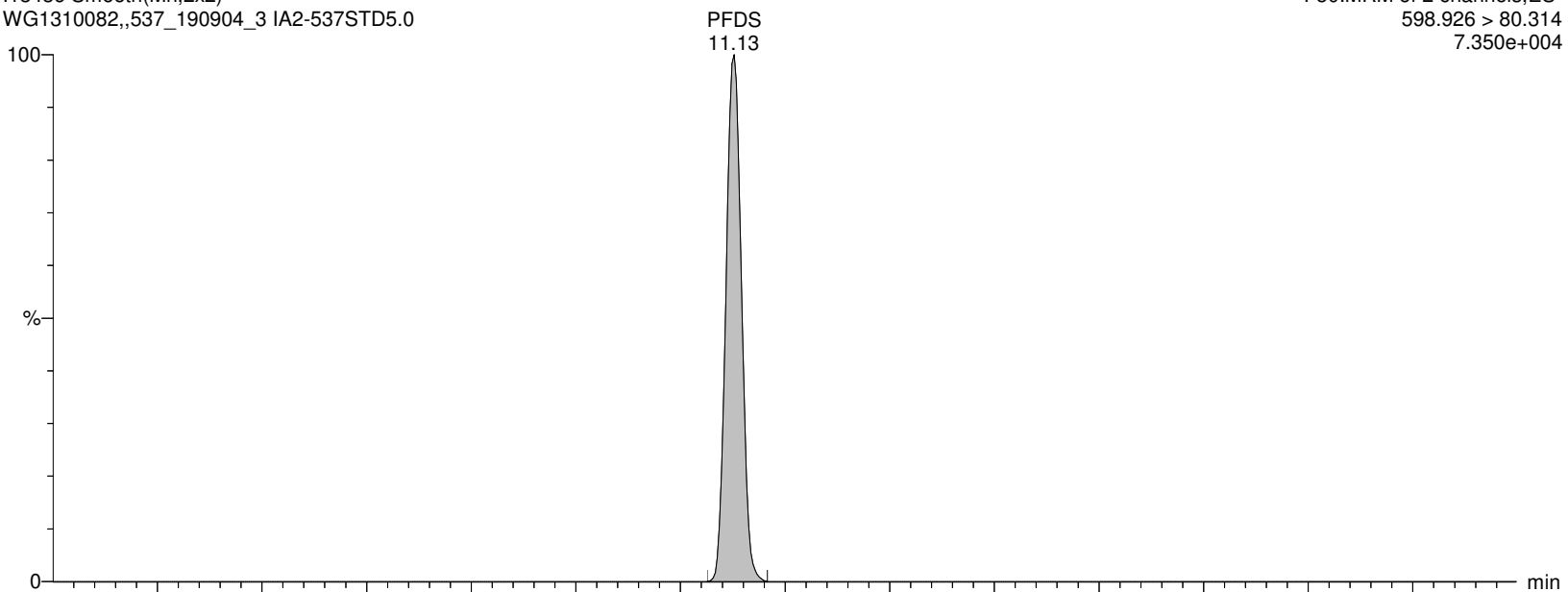
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F50:MRM of 2 channels,ES-

598.926 > 80.314

7.350e+004



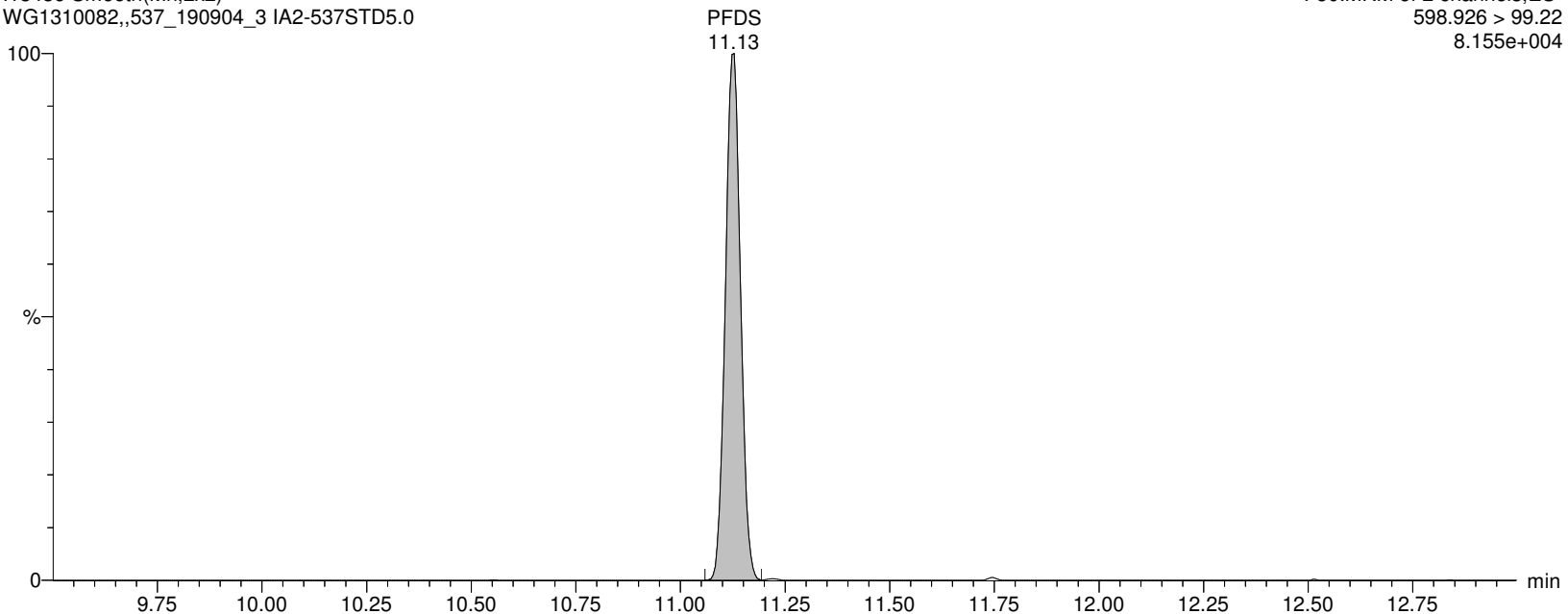
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F50:MRM of 2 channels,ES-

598.926 > 99.22

8.155e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

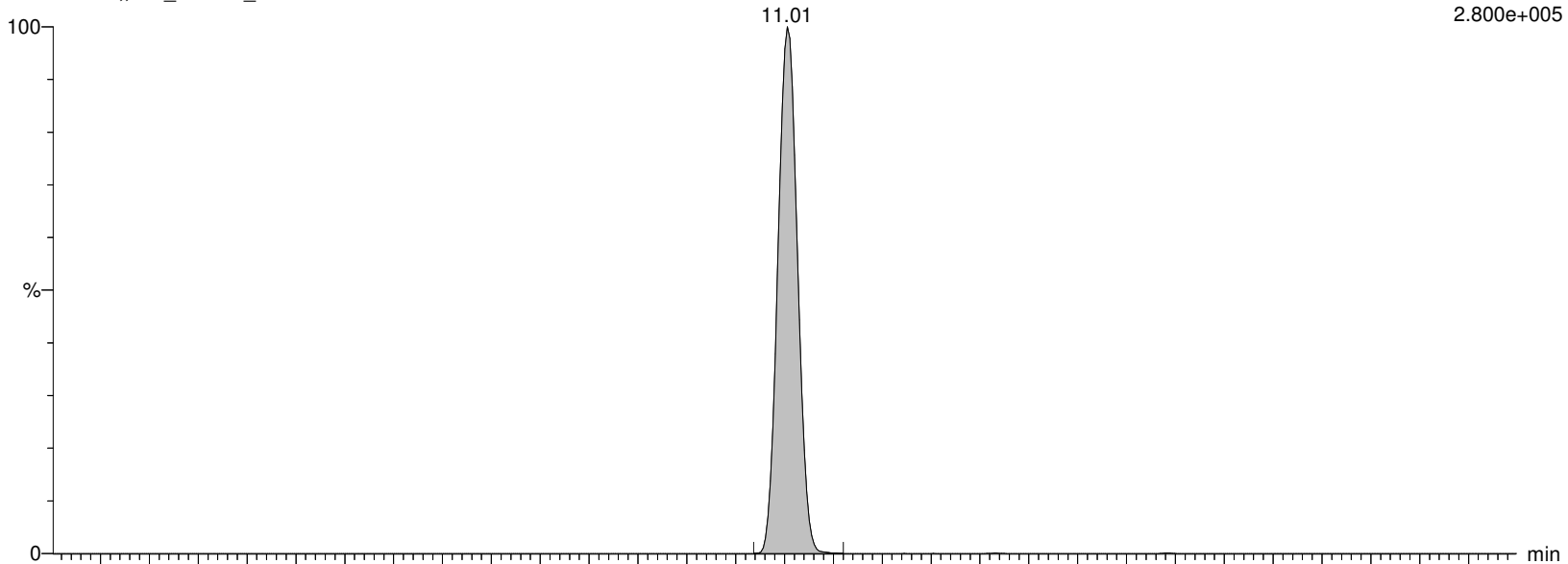
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F28:MRM of 2 channels,ES-

497.989 > 78.245

2.800e+005



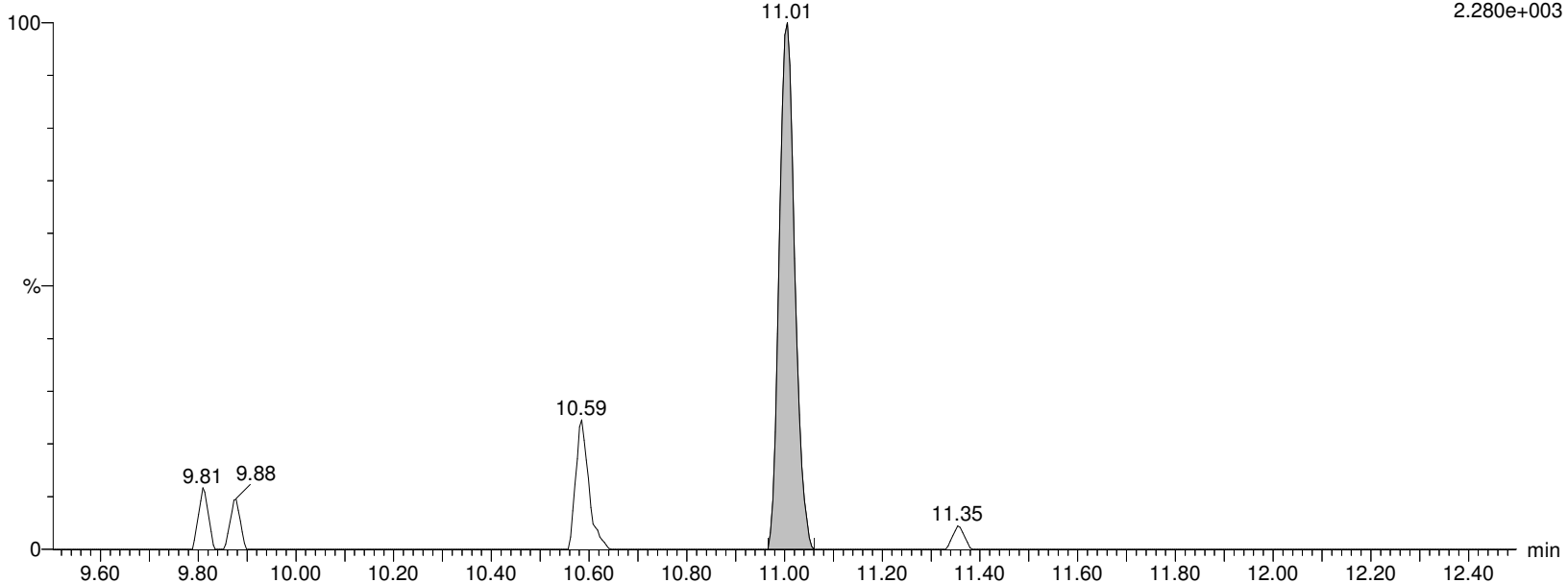
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F28:MRM of 2 channels,ES-

497.989 > 168.854

2.280e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

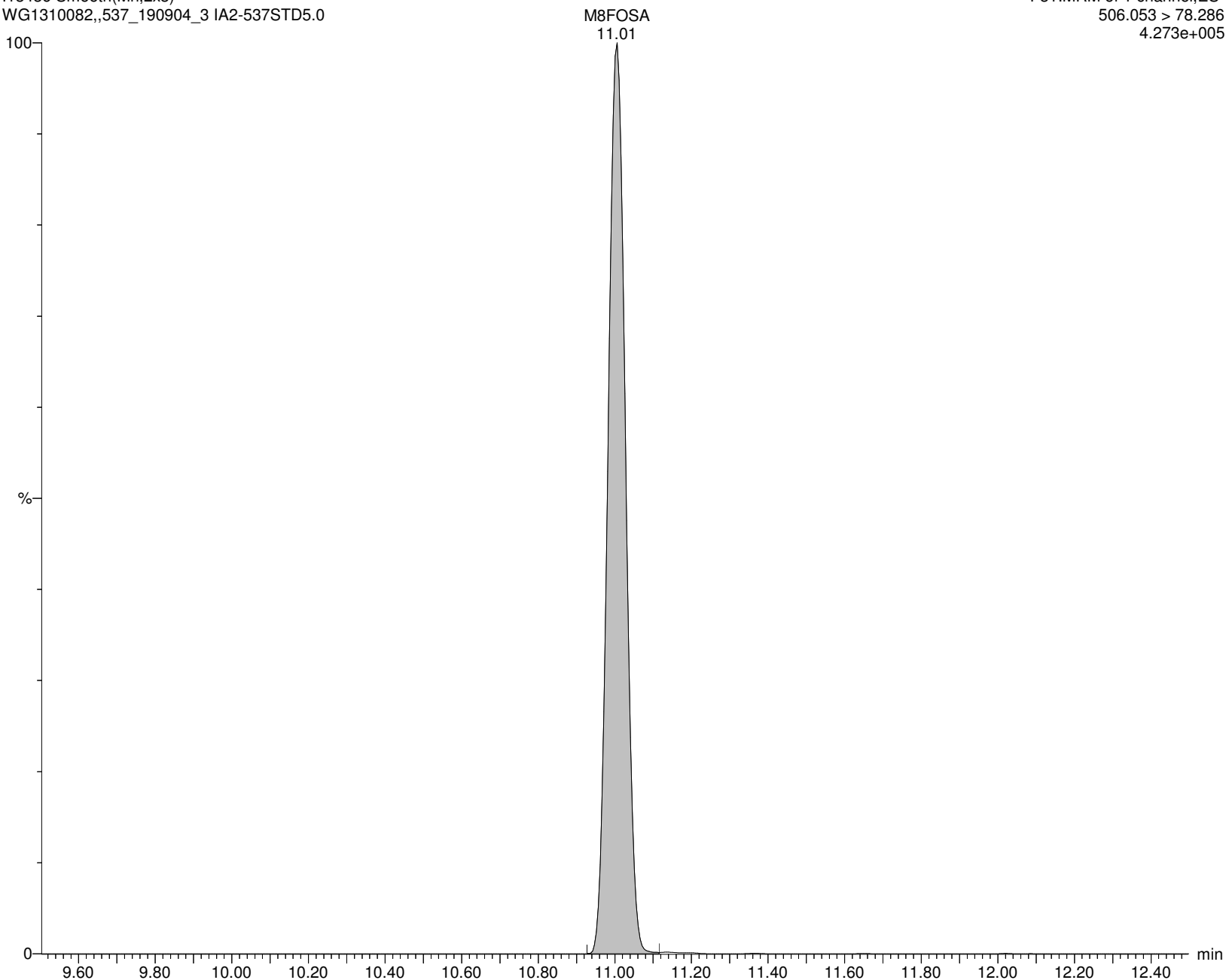
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.273e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

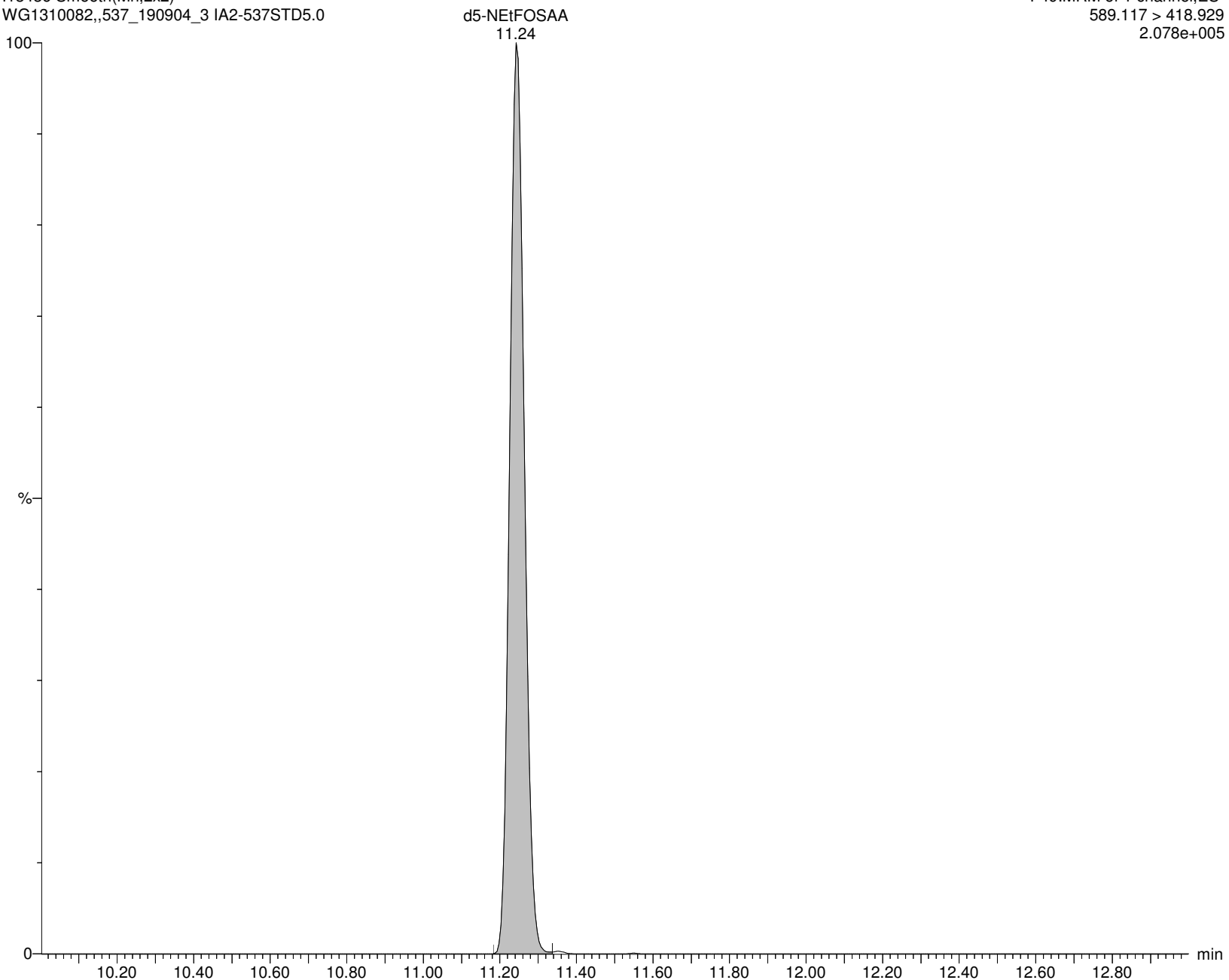
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.078e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

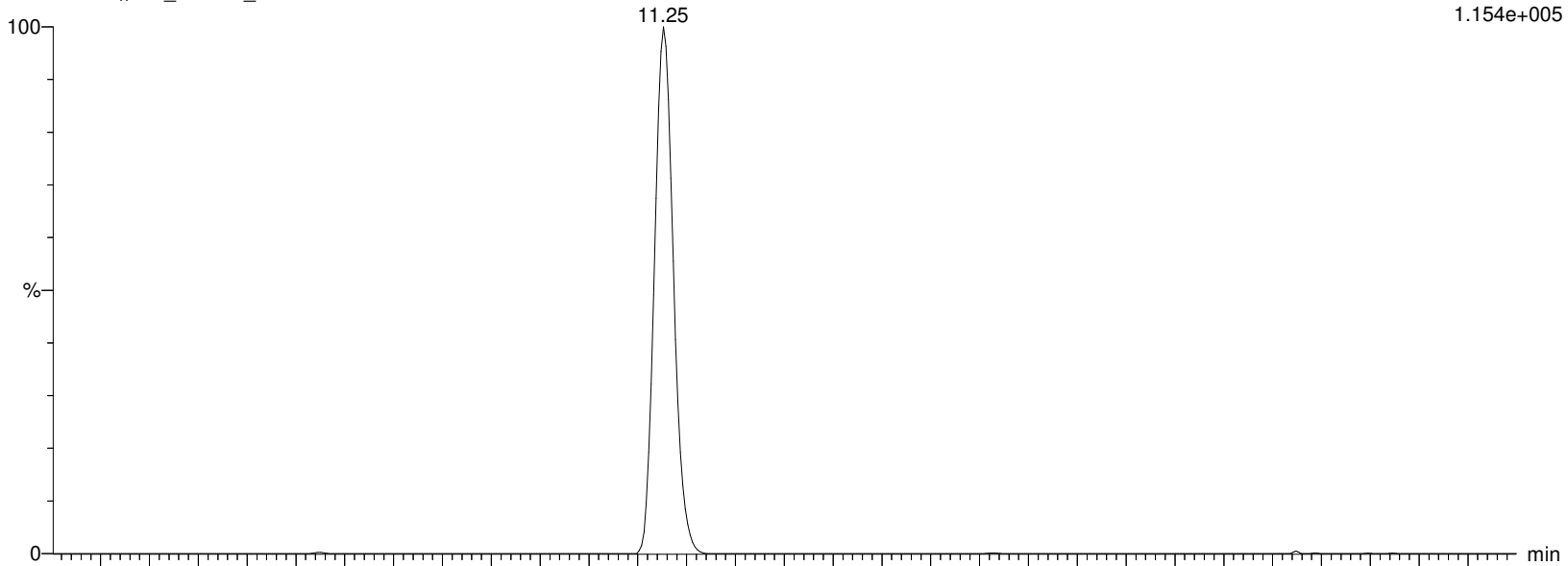
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.154e+005



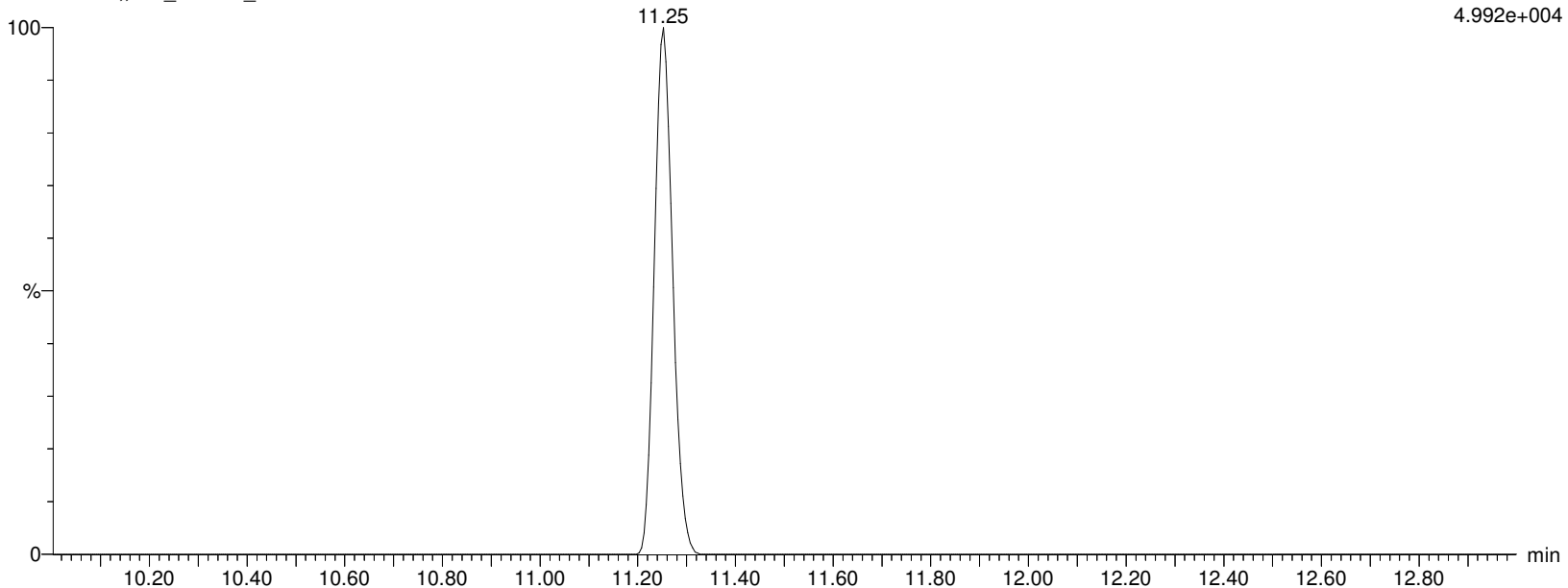
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.992e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

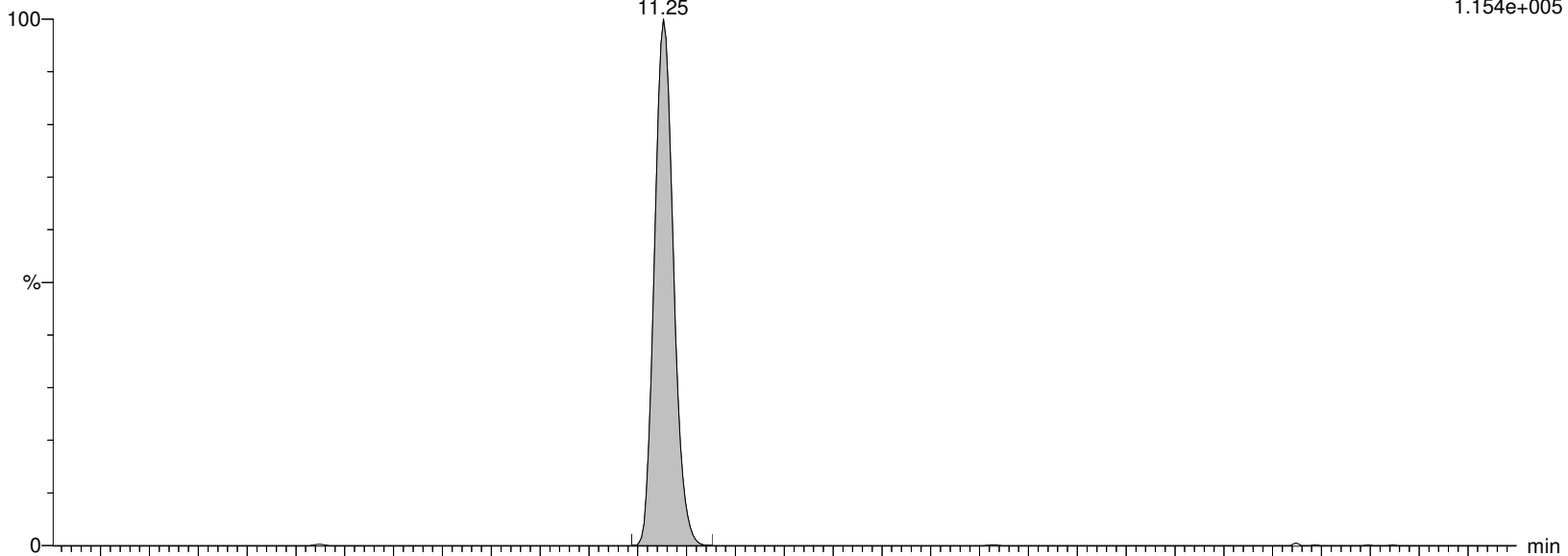
L-NEtFOSAA

11.25

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.154e+005



I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

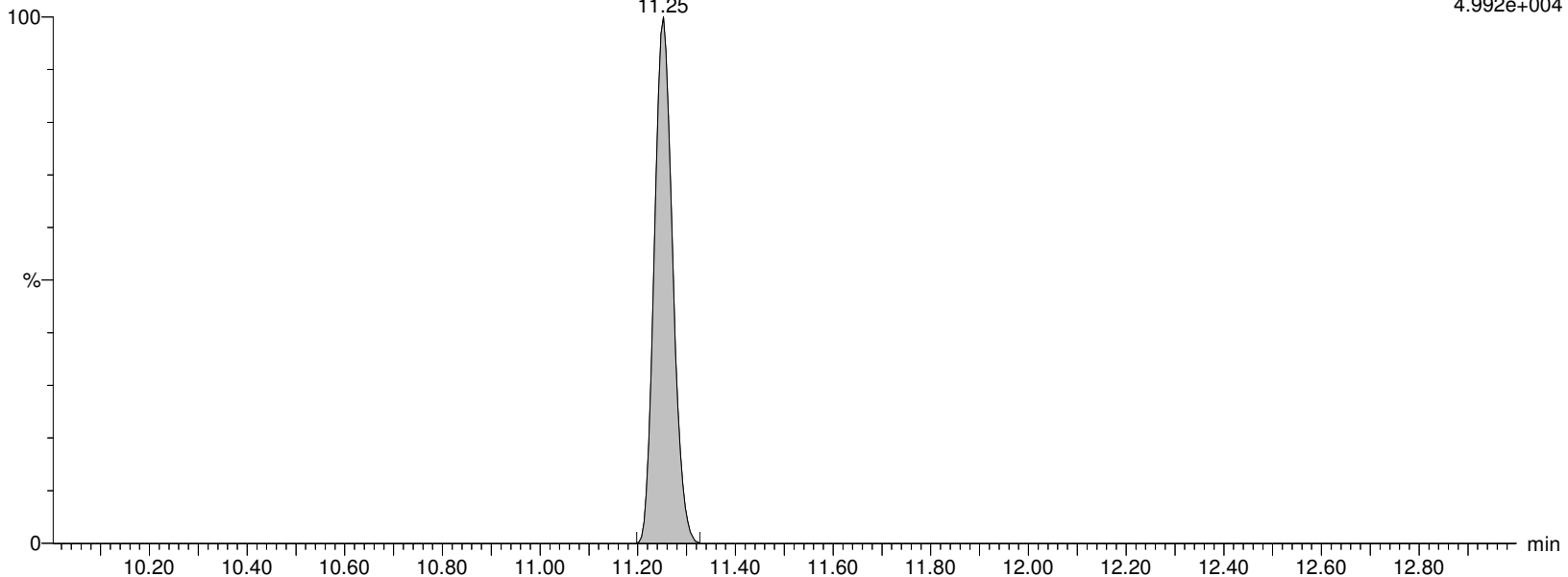
L-NEtFOSAA

11.25

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.992e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

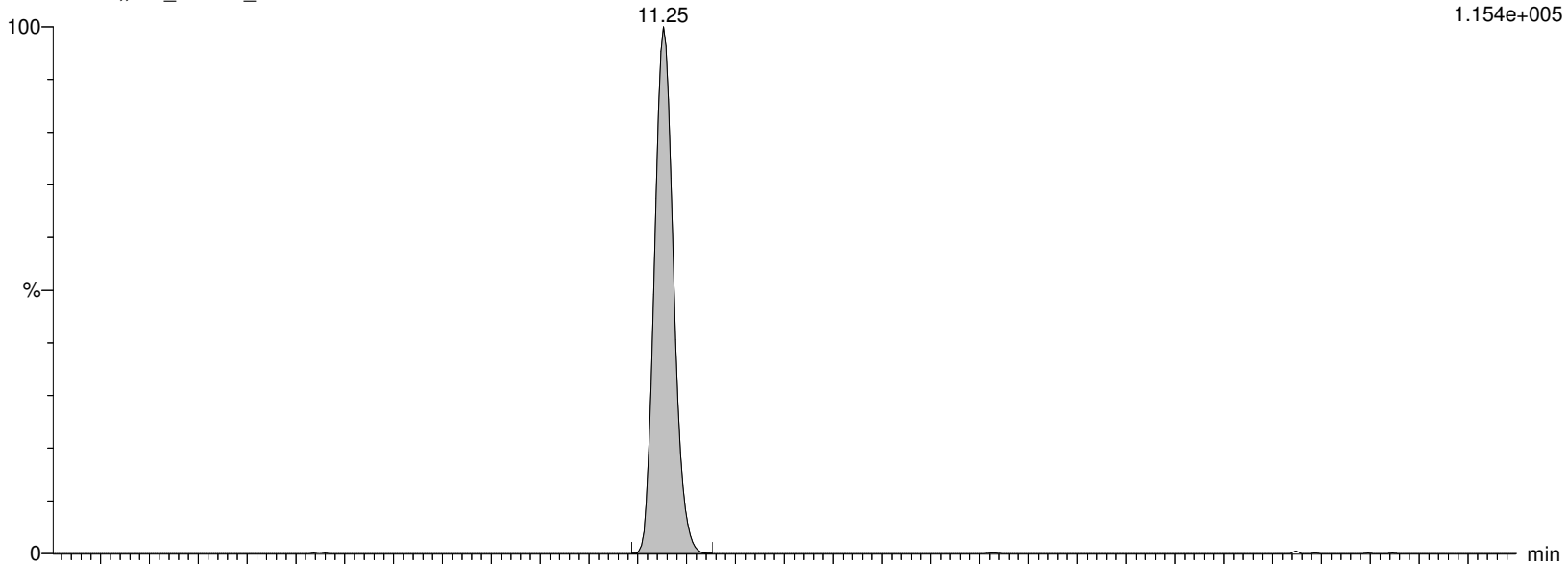
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.154e+005



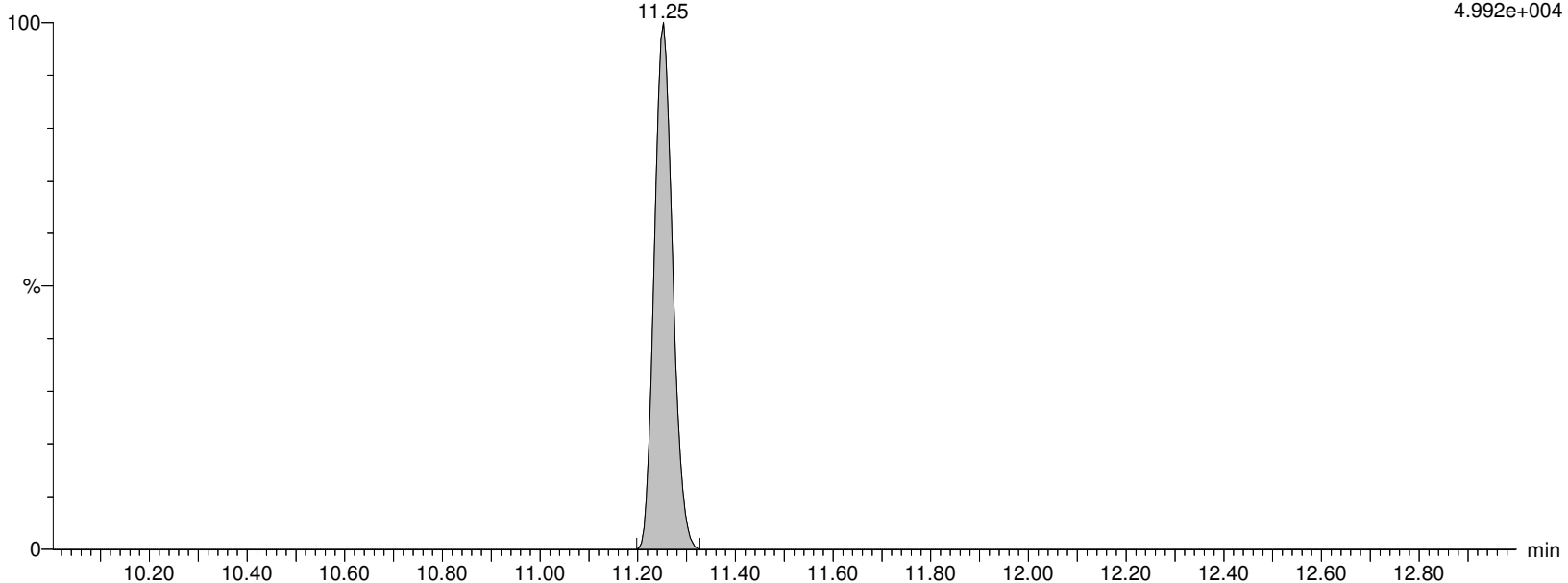
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.992e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

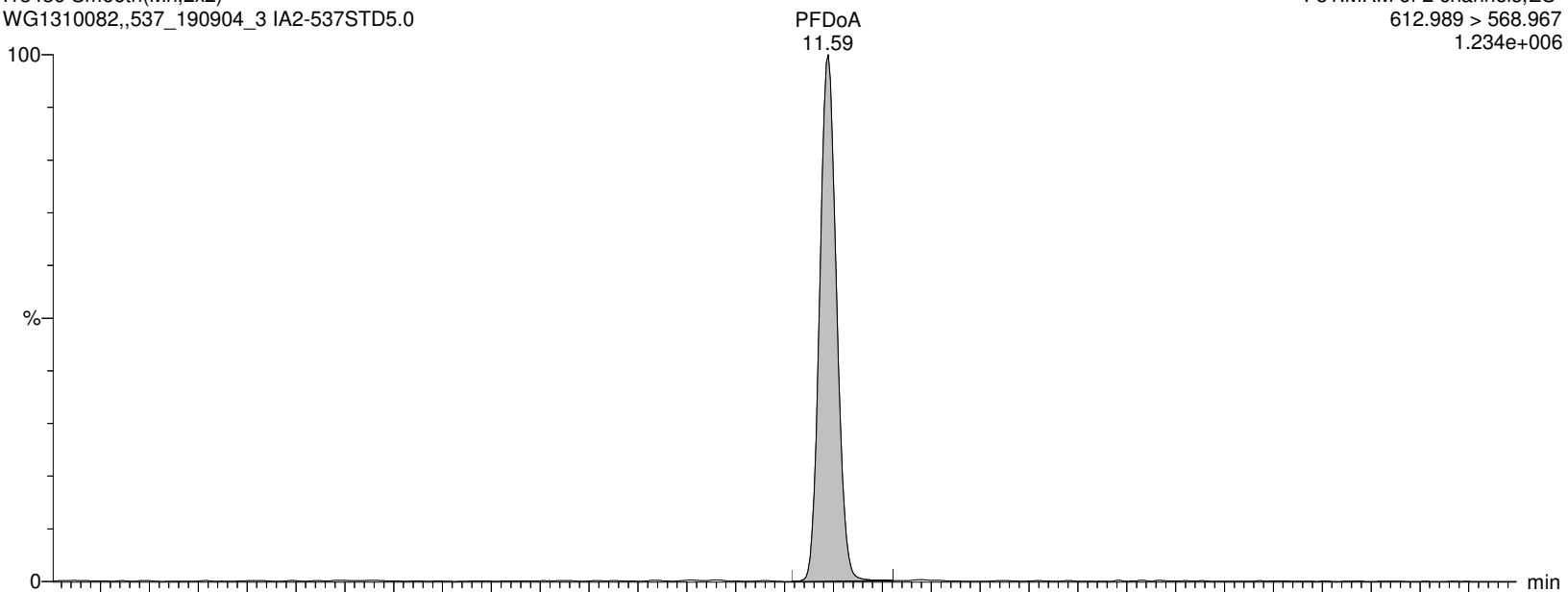
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F51:MRM of 2 channels,ES-

612.989 > 568.967

1.234e+006



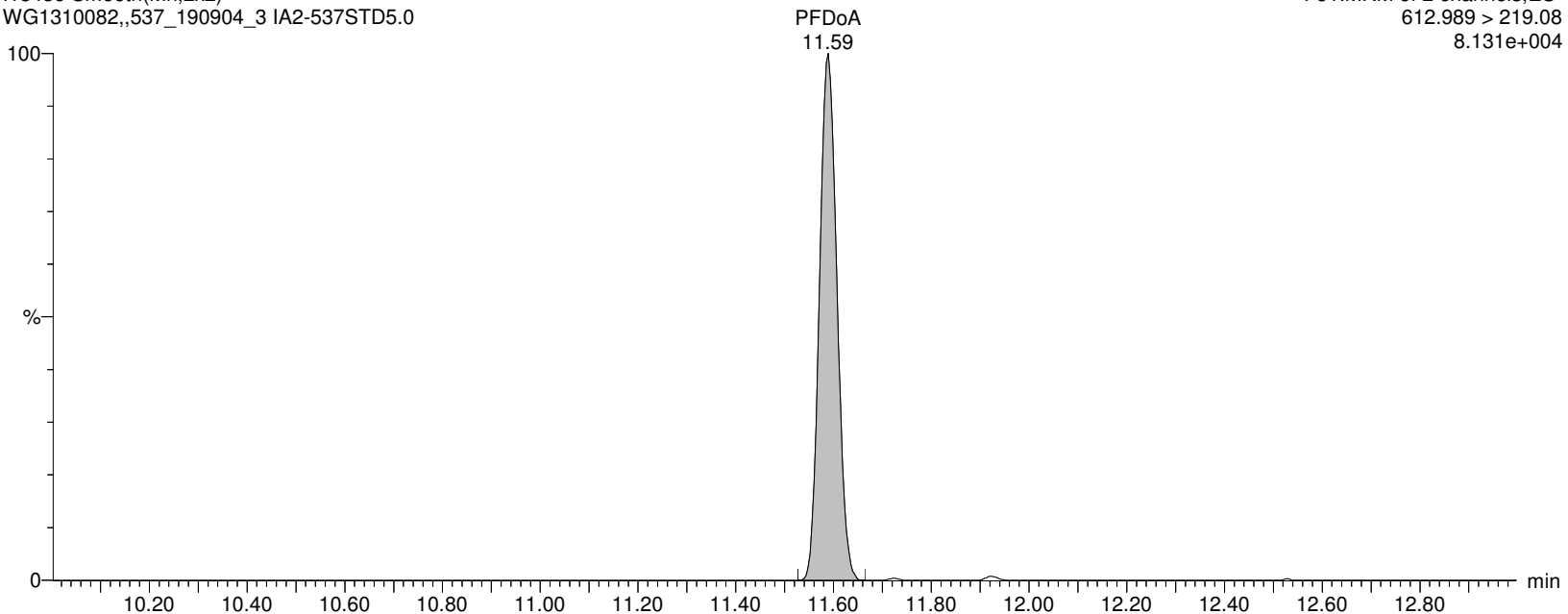
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F51:MRM of 2 channels,ES-

612.989 > 219.08

8.131e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

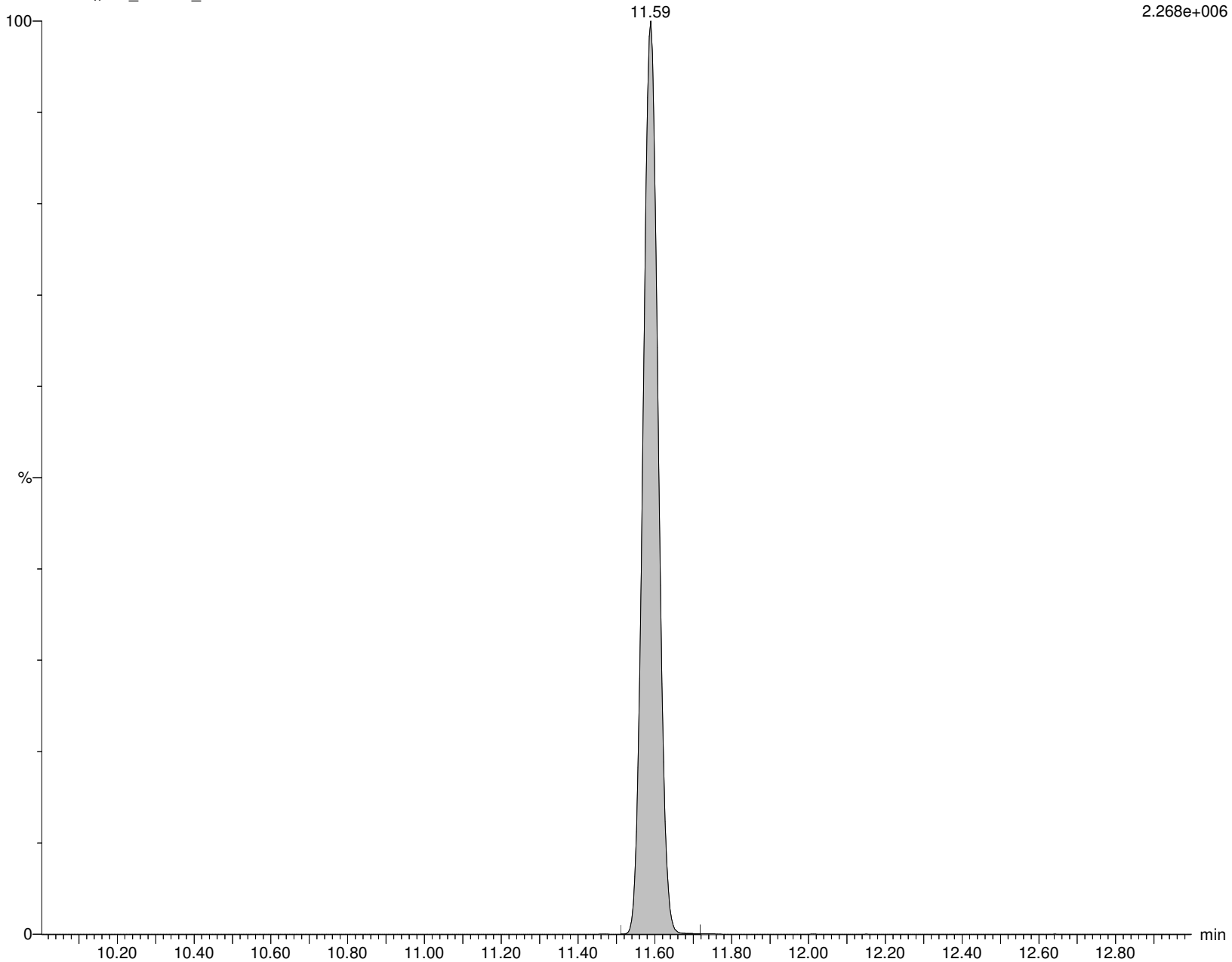
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.268e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

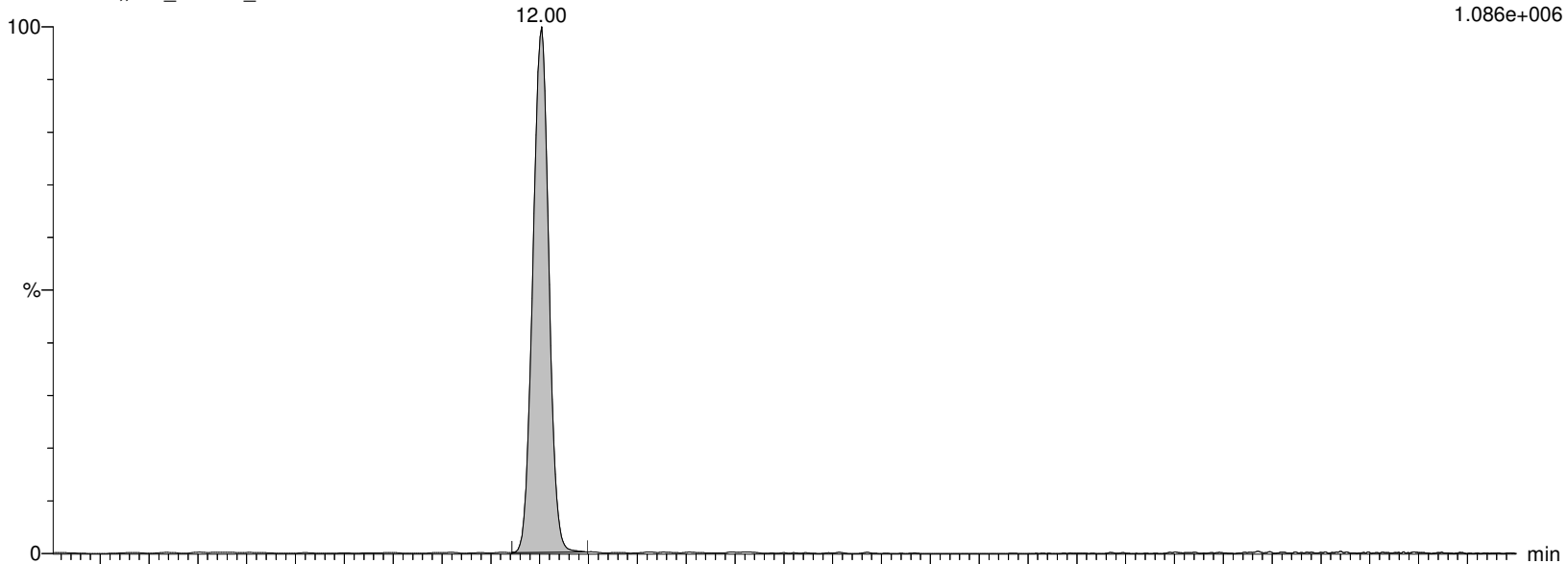
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.086e+006



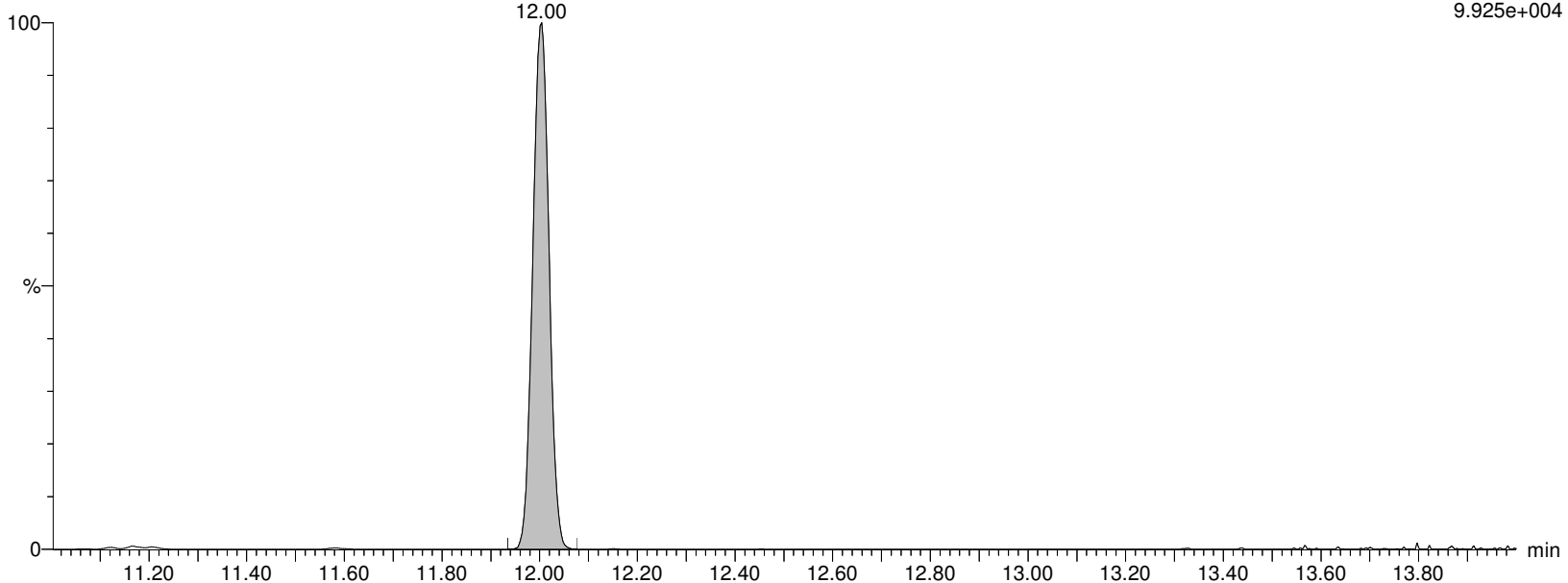
I13436 Smooth(Mn,2x2)

WG1310082,,537_190904_3 IA2-537STD5.0

F59:MRM of 2 channels,ES-

663.053 > 319.02

9.925e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

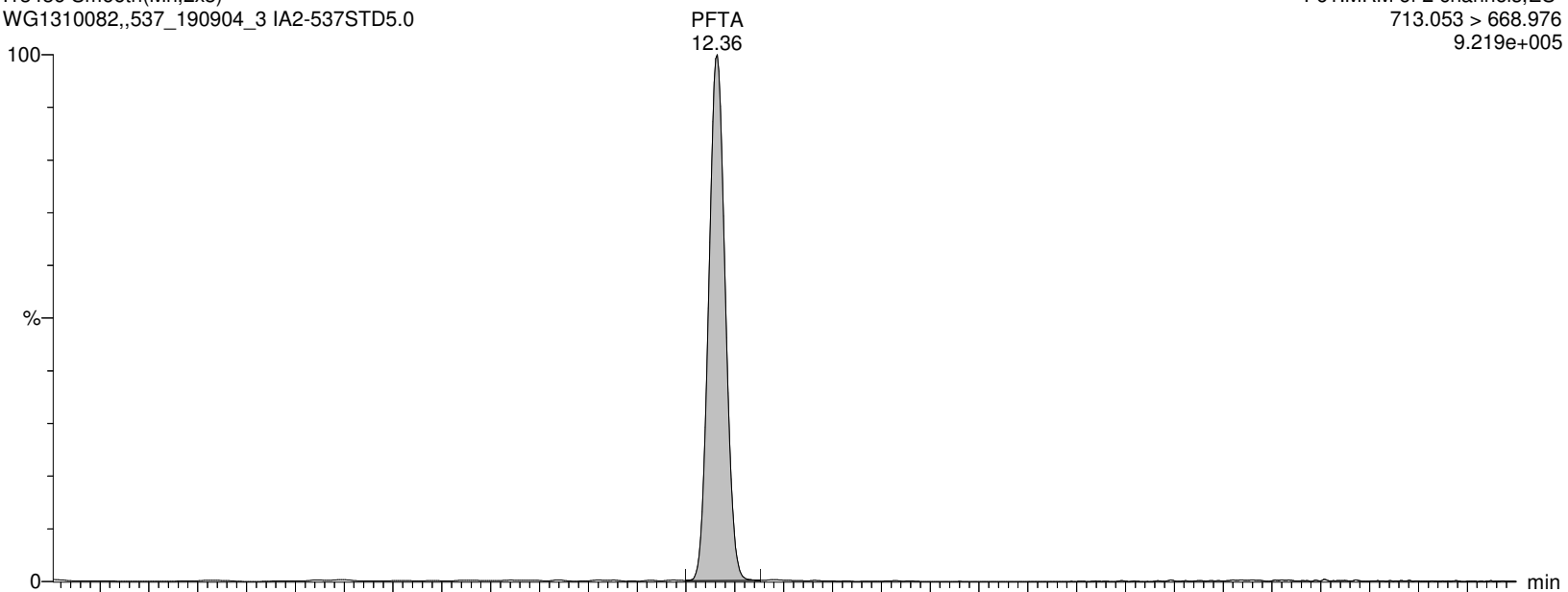
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F61:MRM of 2 channels,ES-

713.053 > 668.976

9.219e+005



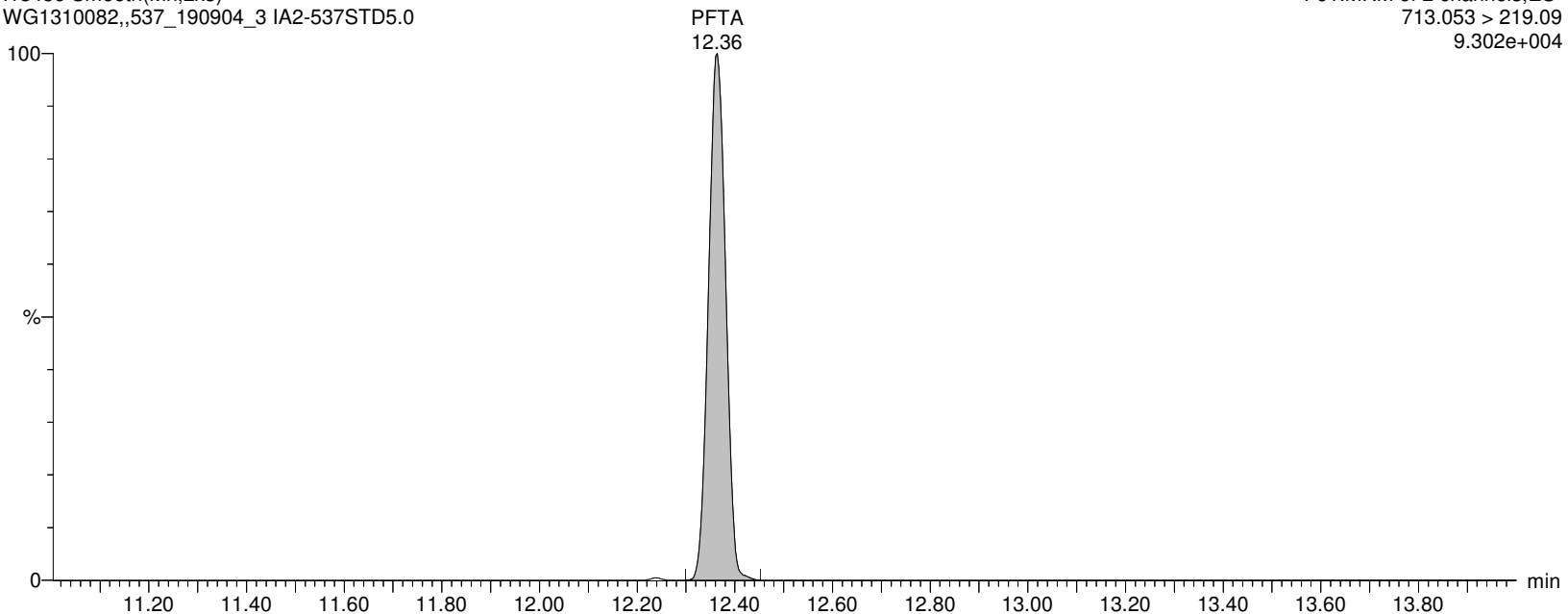
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F61:MRM of 2 channels,ES-

713.053 > 219.09

9.302e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

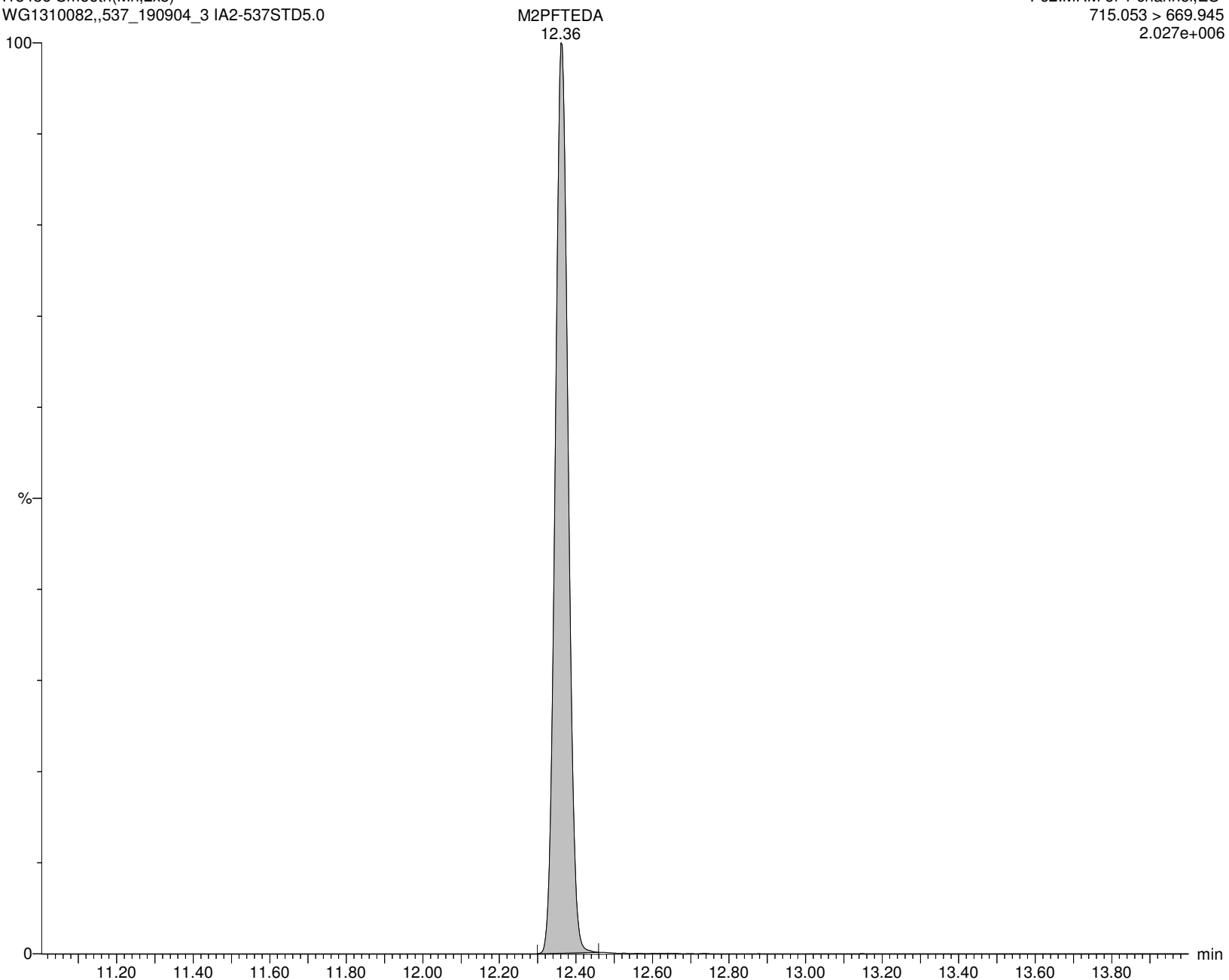
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F62:MRM of 1 channel,ES-

715.053 > 669.945

2.027e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

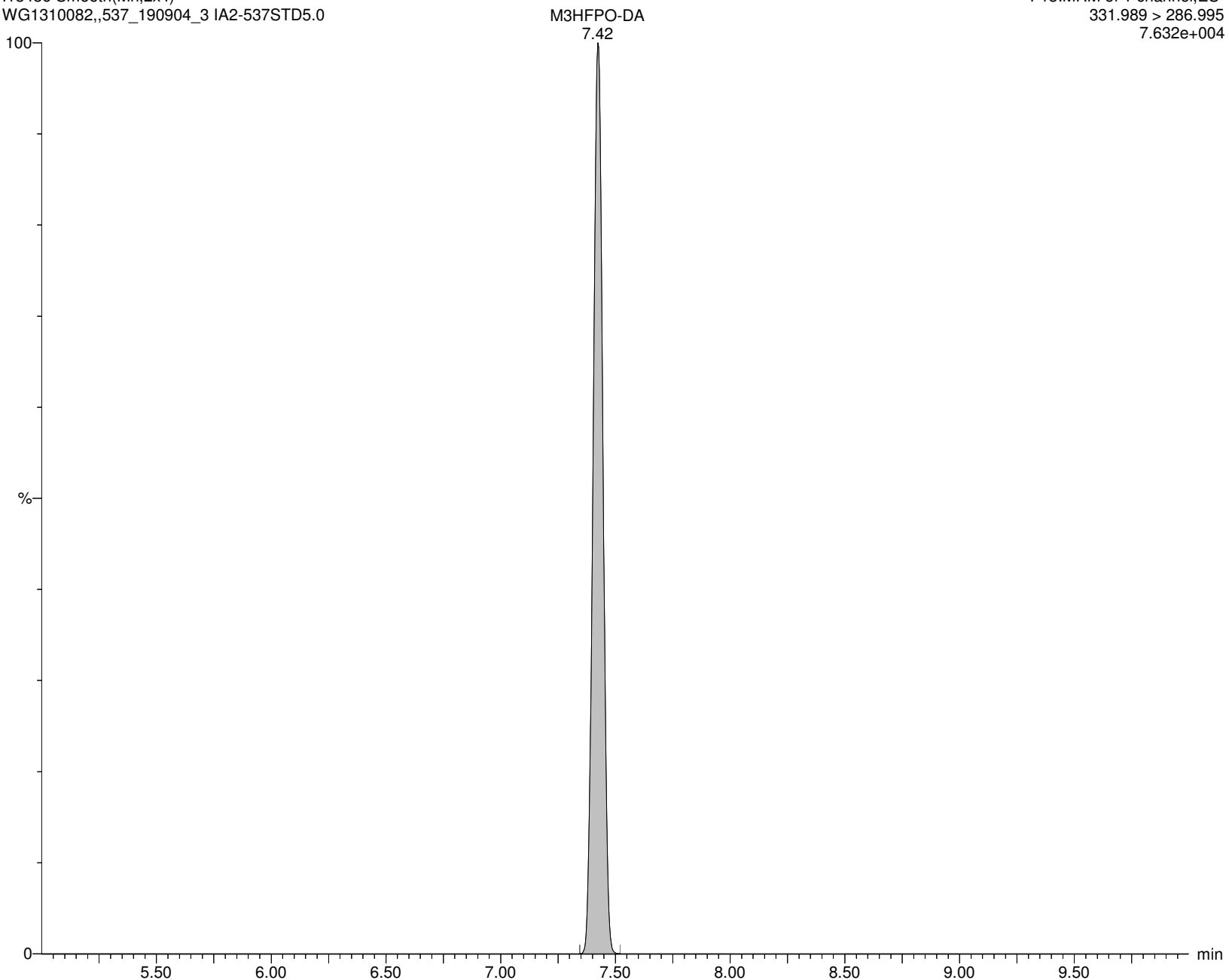
I13436 Smooth(Mn,2x4)

WG1310082,,537_190904_3 IA2-537STD5.0

F13:MRM of 1 channel,ES-

331.989 > 286.995

7.632e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

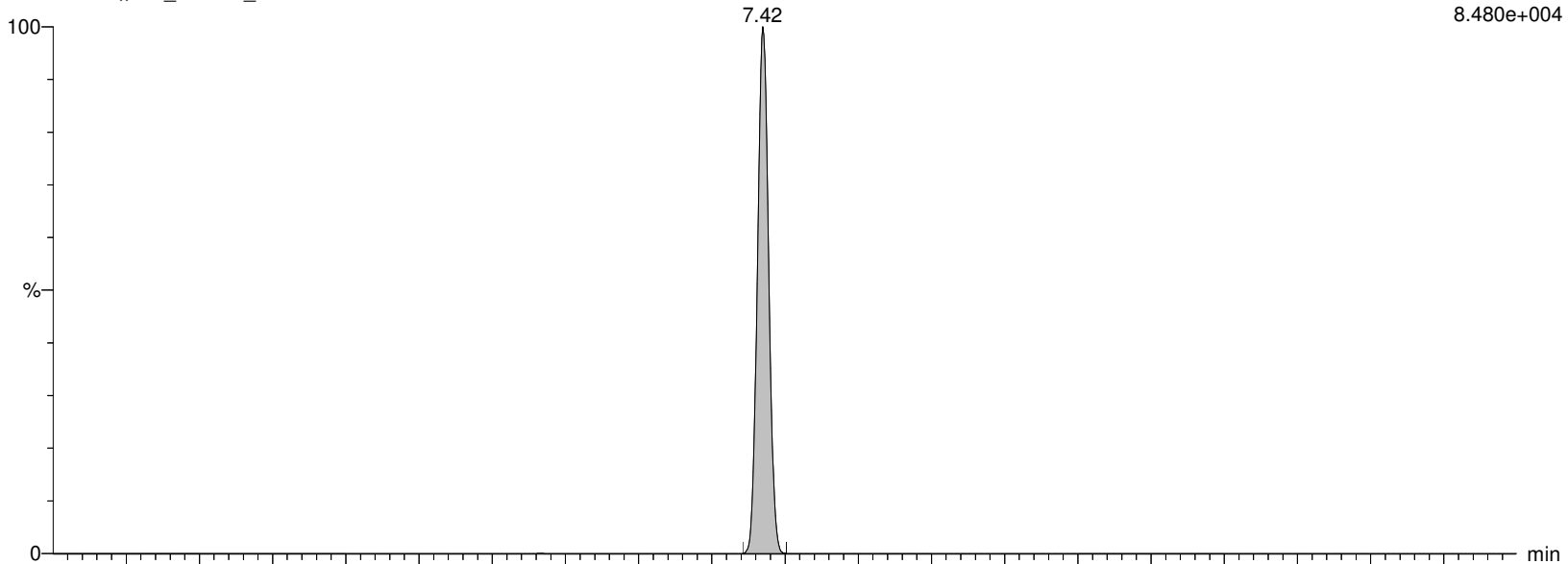
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F6:MRM of 2 channels,ES-

284.819 > 169.094

8.480e+004



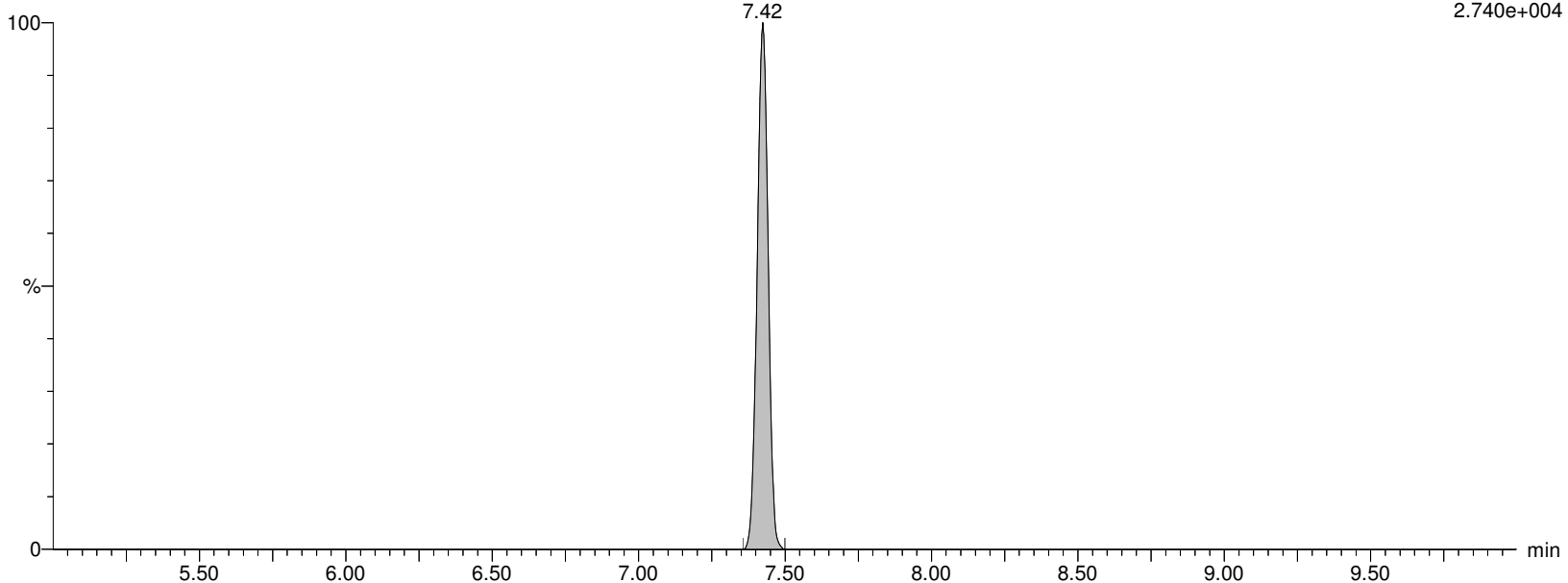
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F6:MRM of 2 channels,ES-

328.989 > 284.982

2.740e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

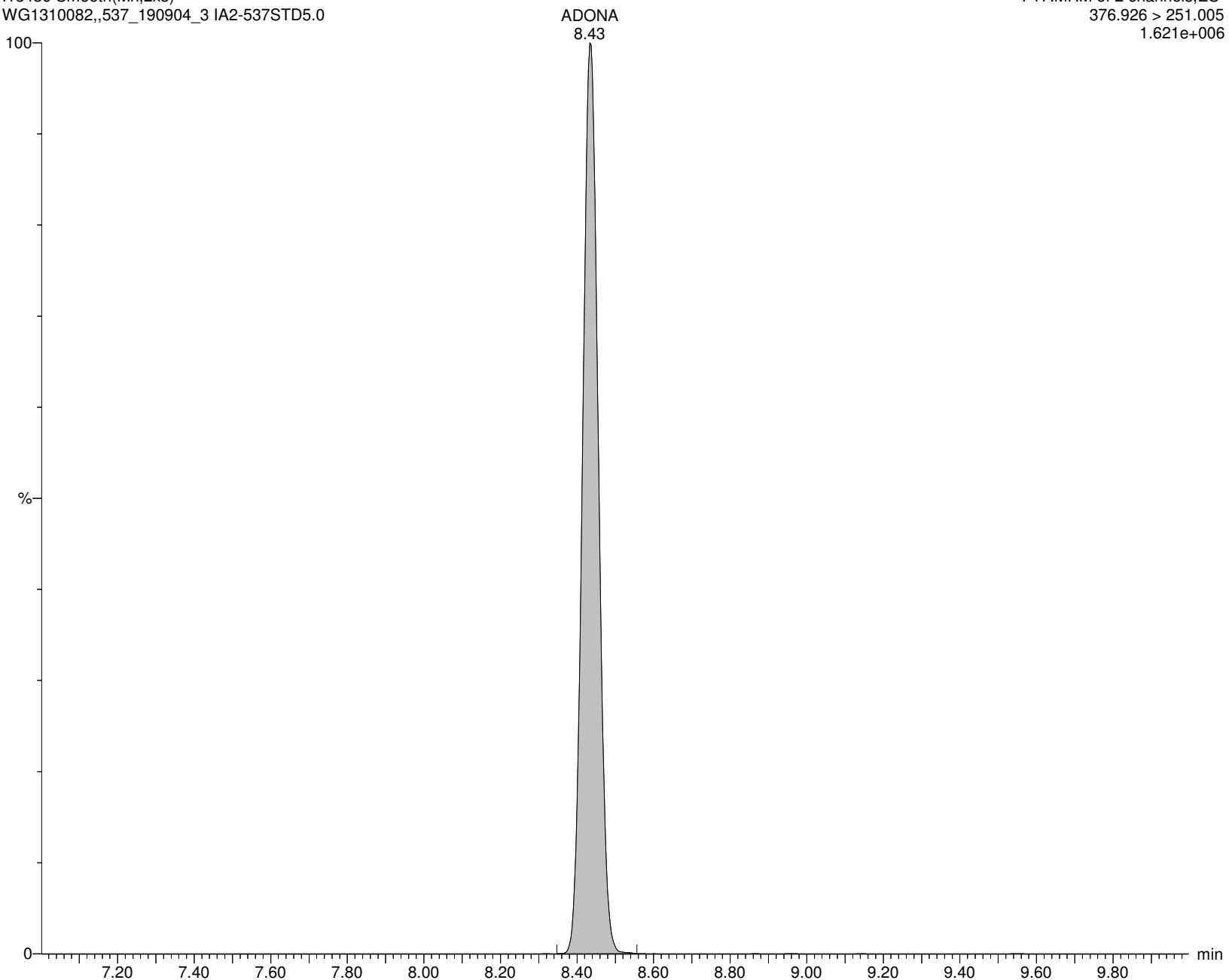
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F17:MRM of 2 channels,ES-

376.926 > 251.005

1.621e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxDA

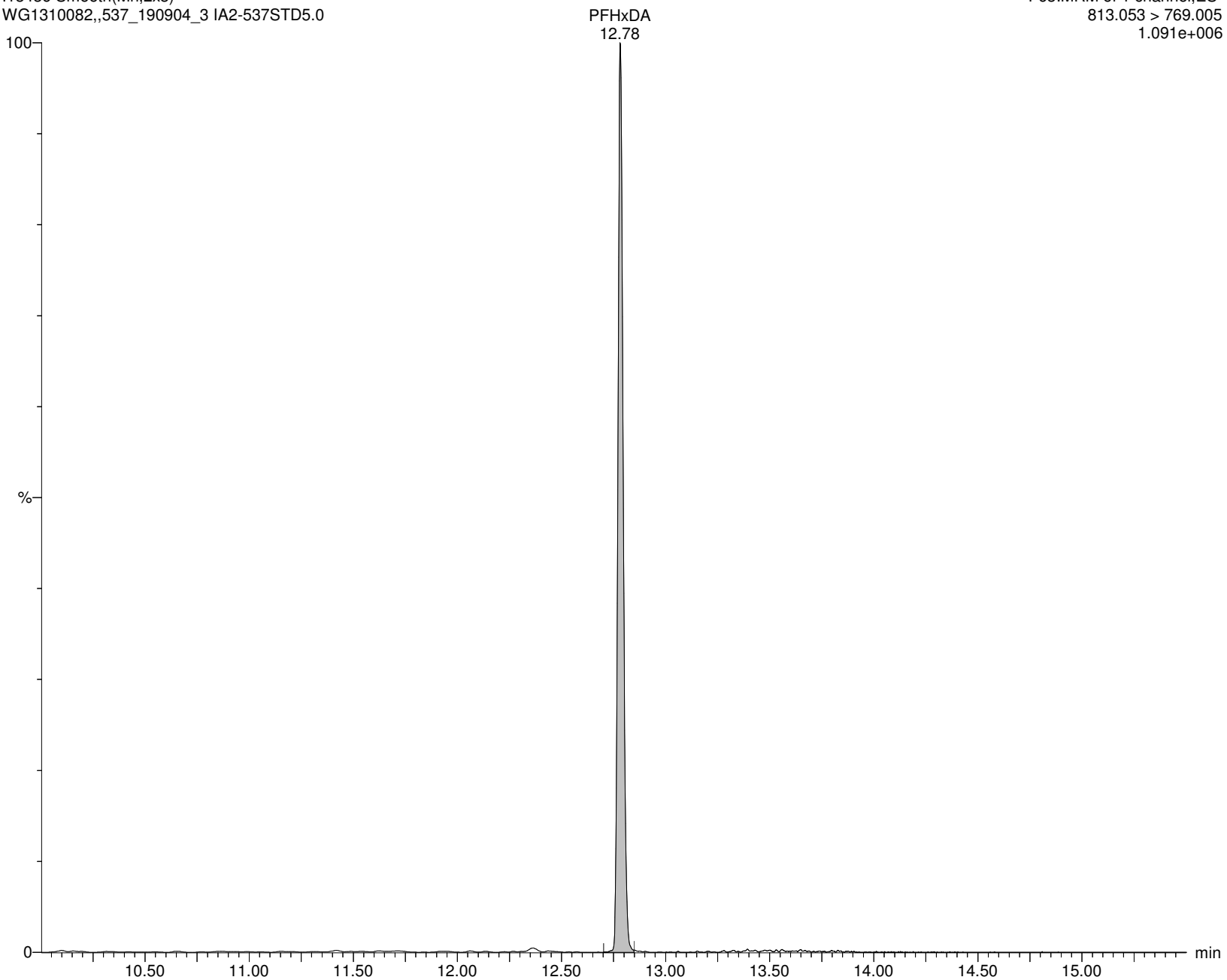
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.091e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

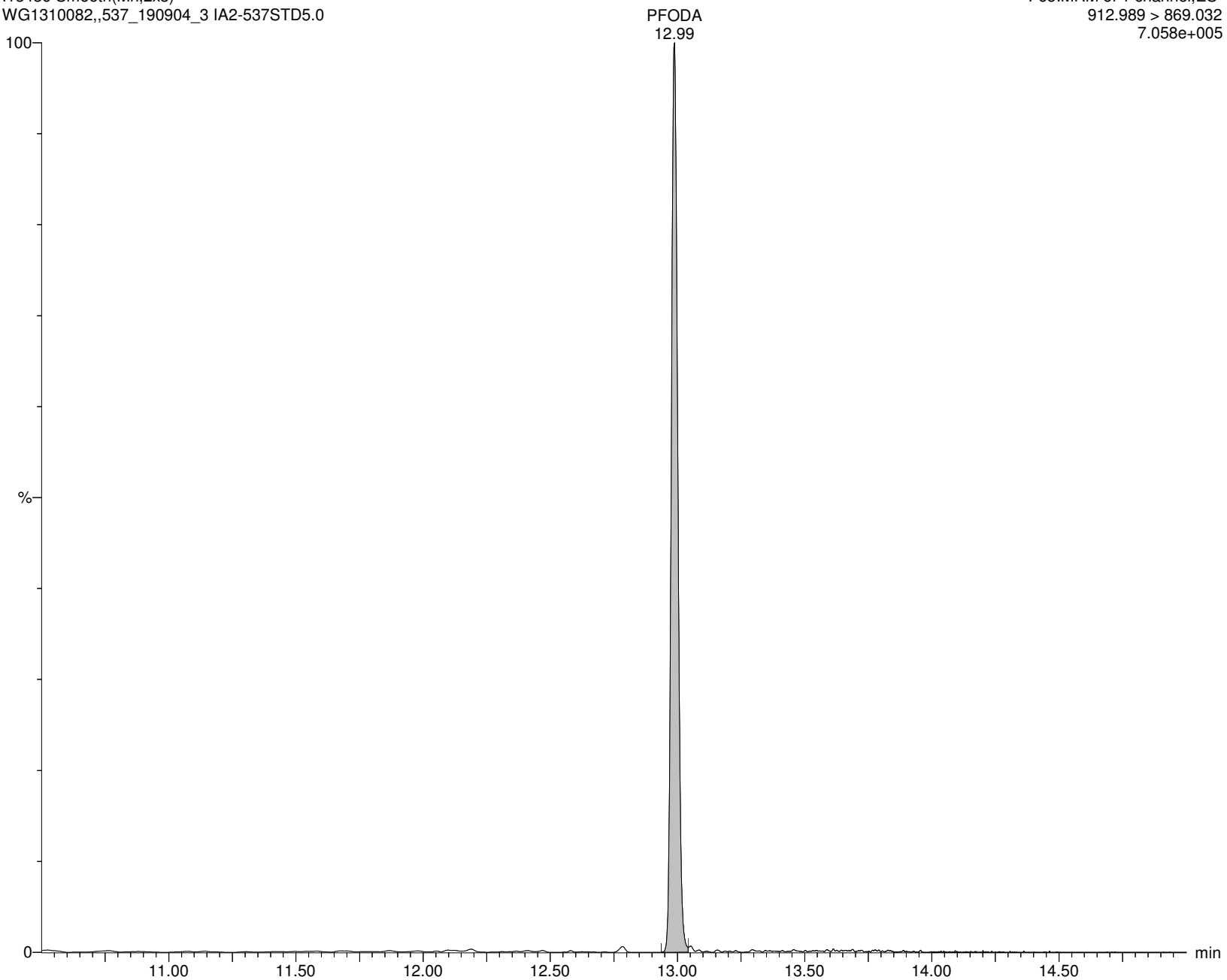
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F65:MRM of 1 channel,ES-

912.989 > 869.032

7.058e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

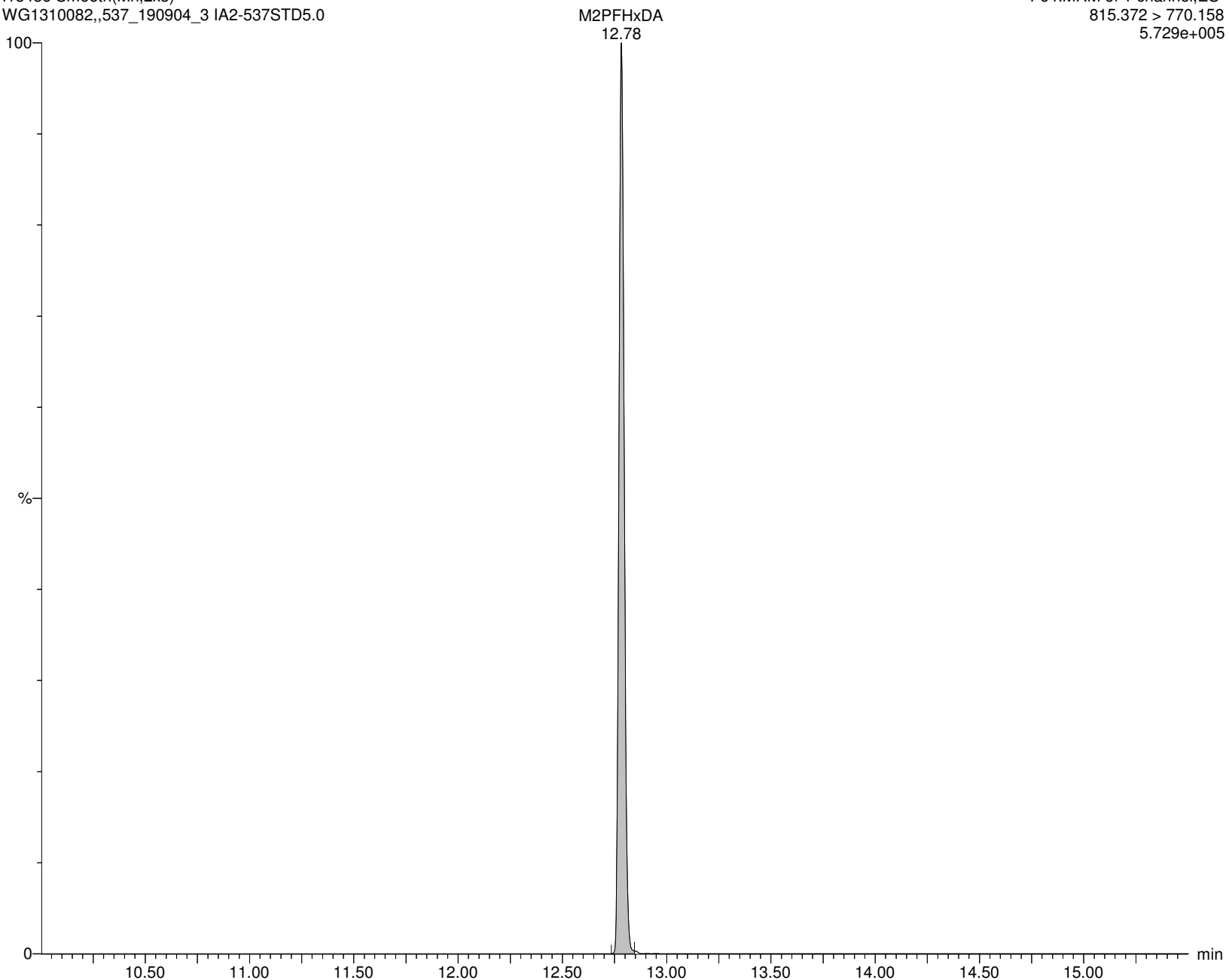
I13436 Smooth(Mn,2x3)

WG1310082,,537_190904_3 IA2-537STD5.0

F64:MRM of 1 channel,ES-

815.372 > 770.158

5.729e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13436 Smooth(Mn,2x5)

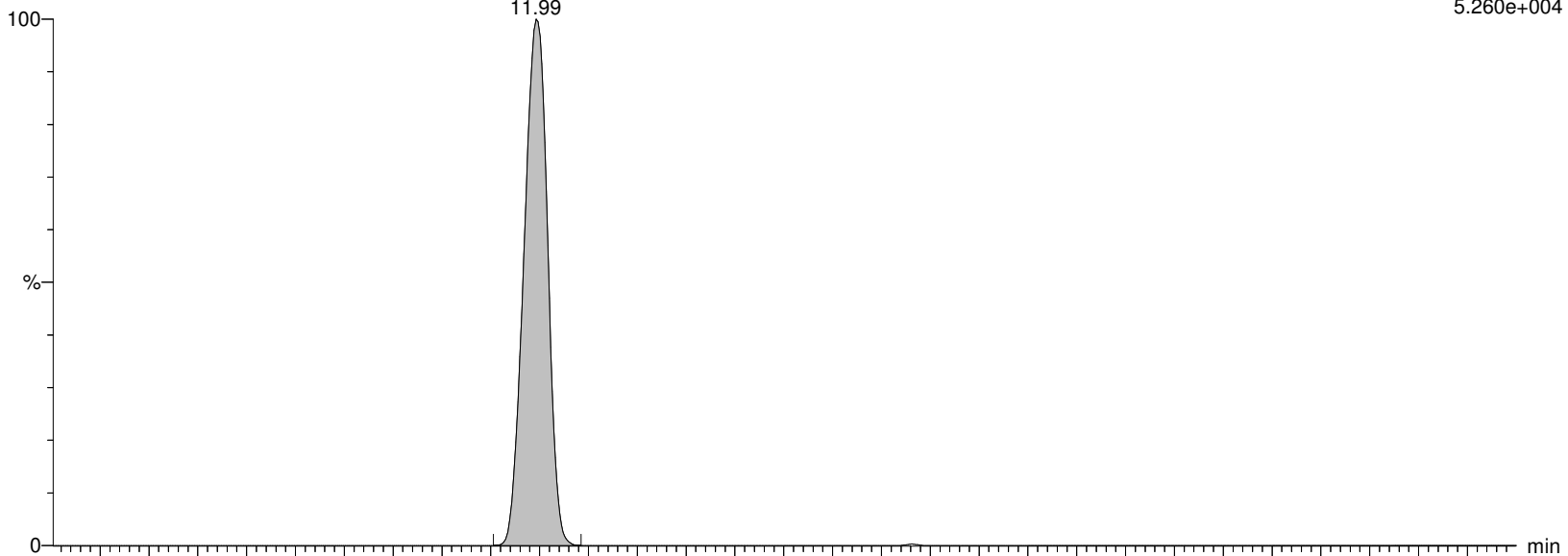
WG1310082,,537_190904_3 IA2-537STD5.0

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

5.260e+004



I13436 Smooth(Mn,2x5)

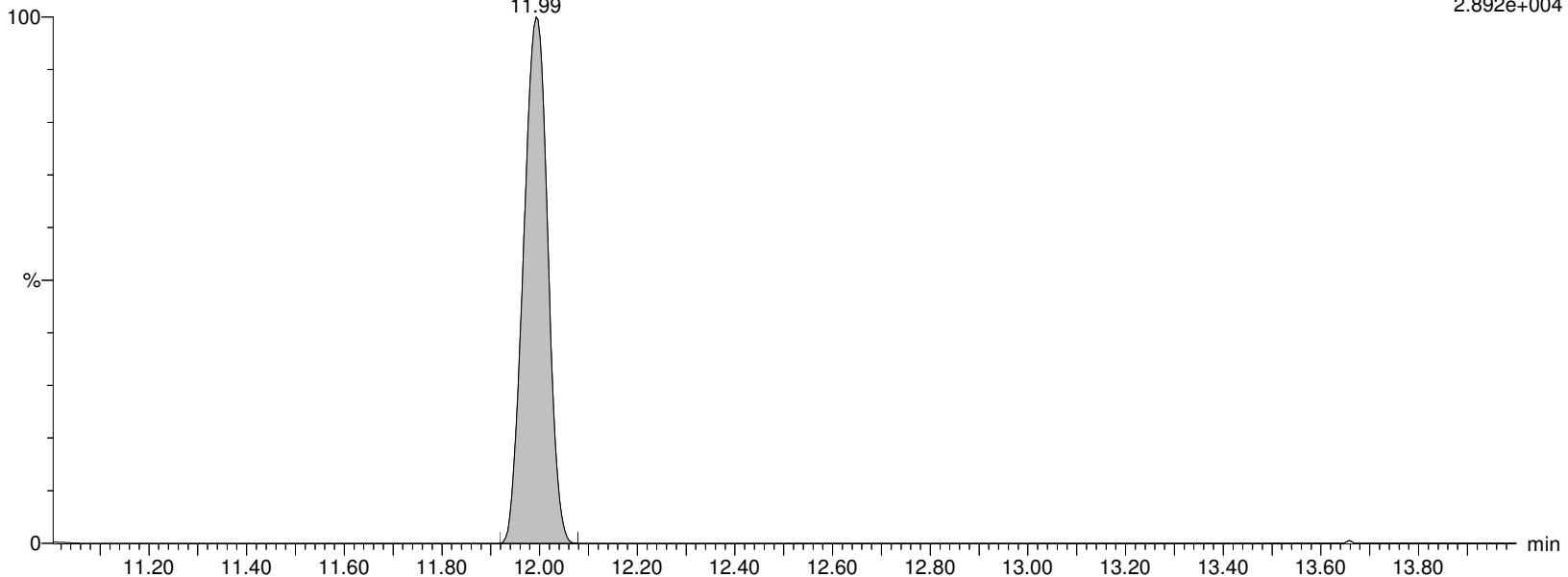
WG1310082,,537_190904_3 IA2-537STD5.0

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

2.892e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

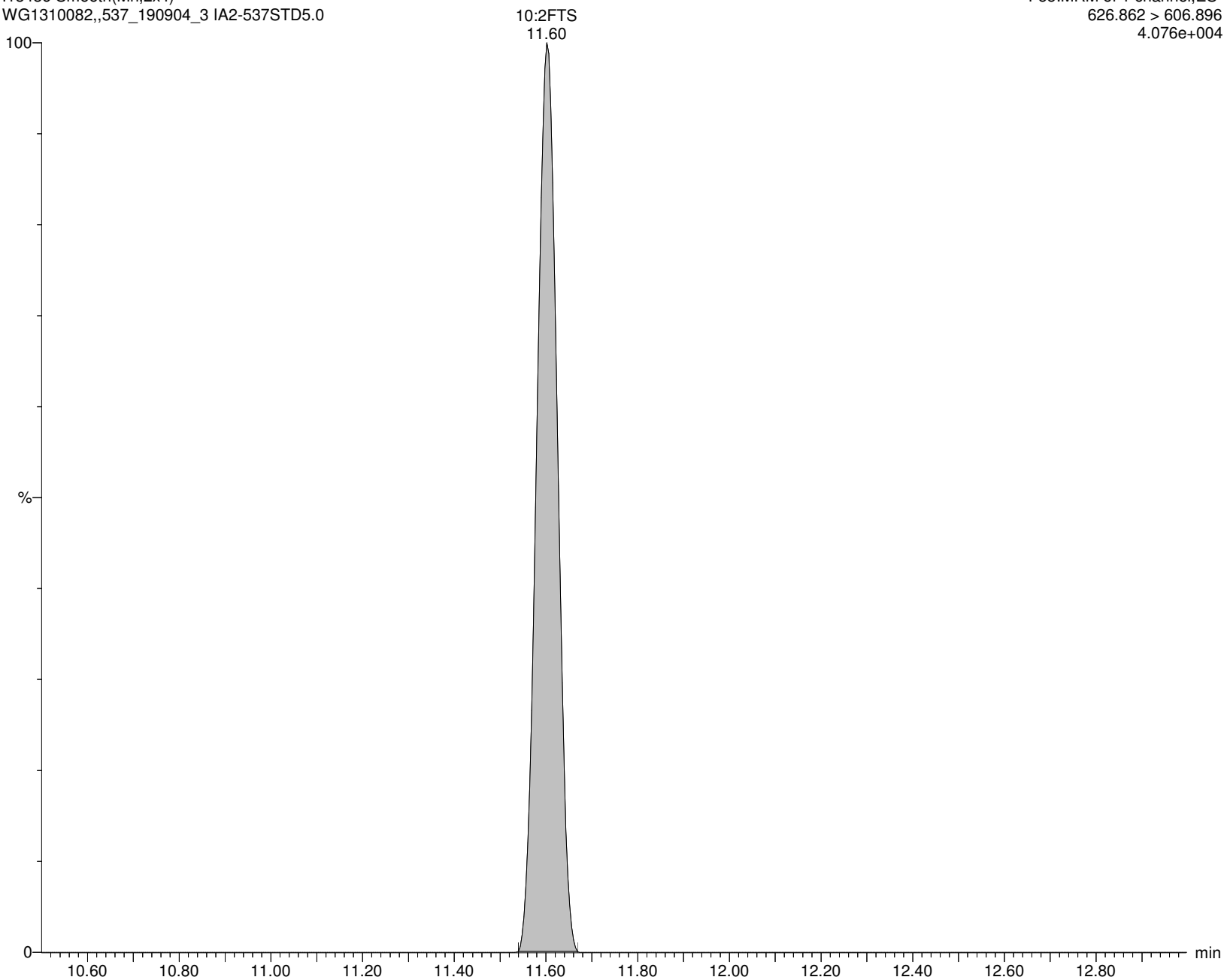
I13436 Smooth(Mn,2x4)

WG1310082,,537_190904_3 IA2-537STD5.0

F55:MRM of 1 channel,ES-

626.862 > 606.896

4.076e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

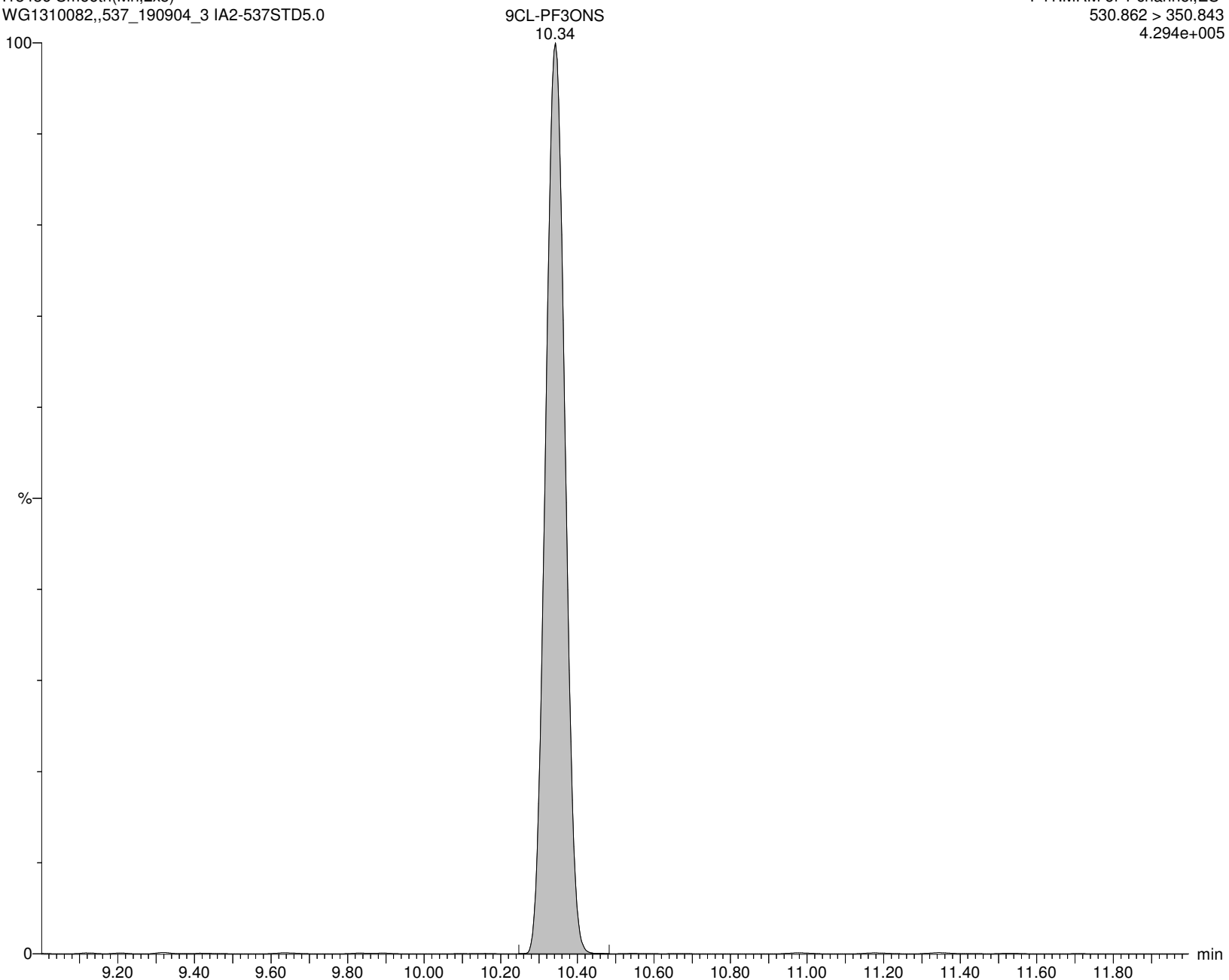
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F41:MRM of 1 channel,ES-

530.862 > 350.843

4.294e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

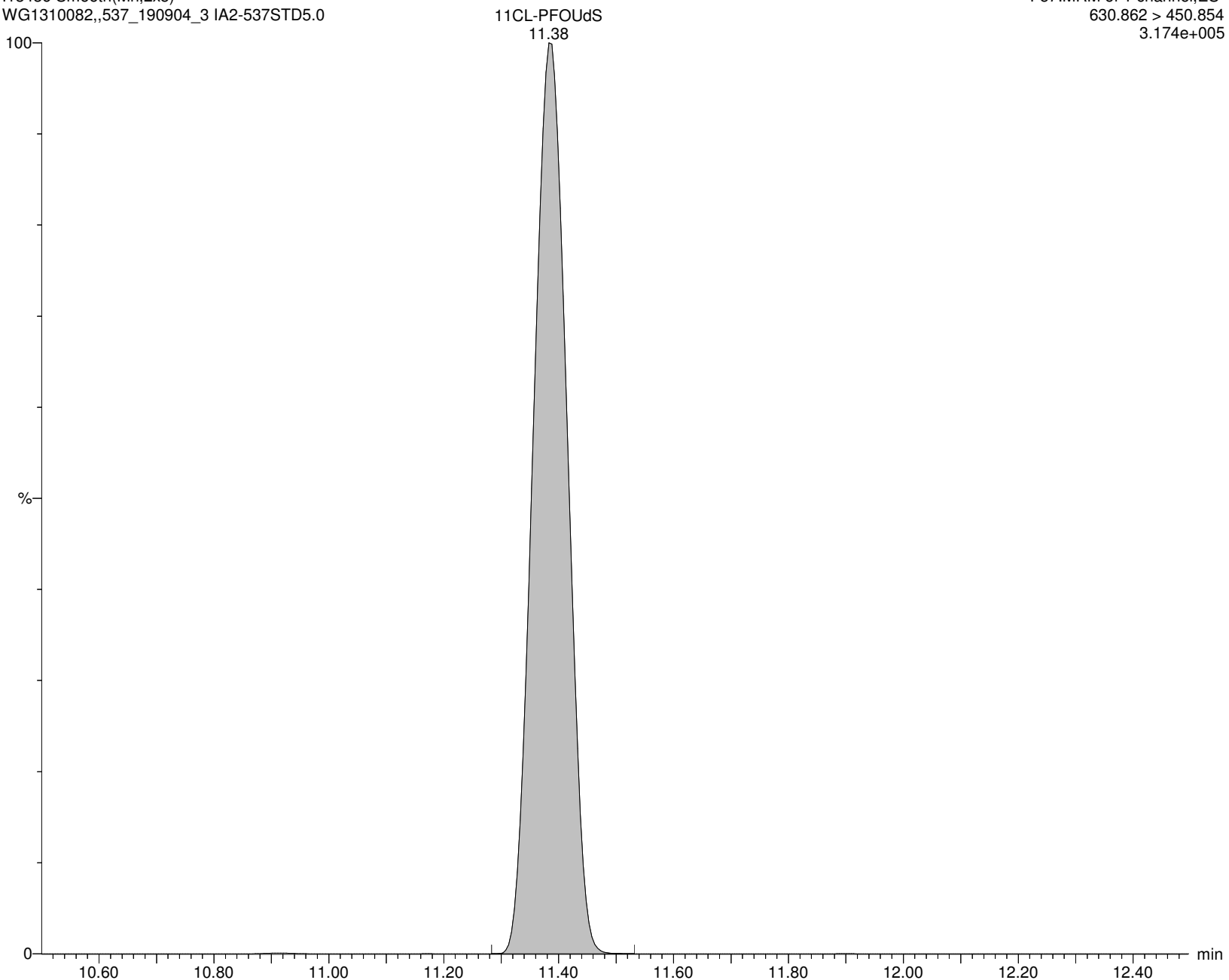
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F57:MRM of 1 channel,ES-

630.862 > 450.854

3.174e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

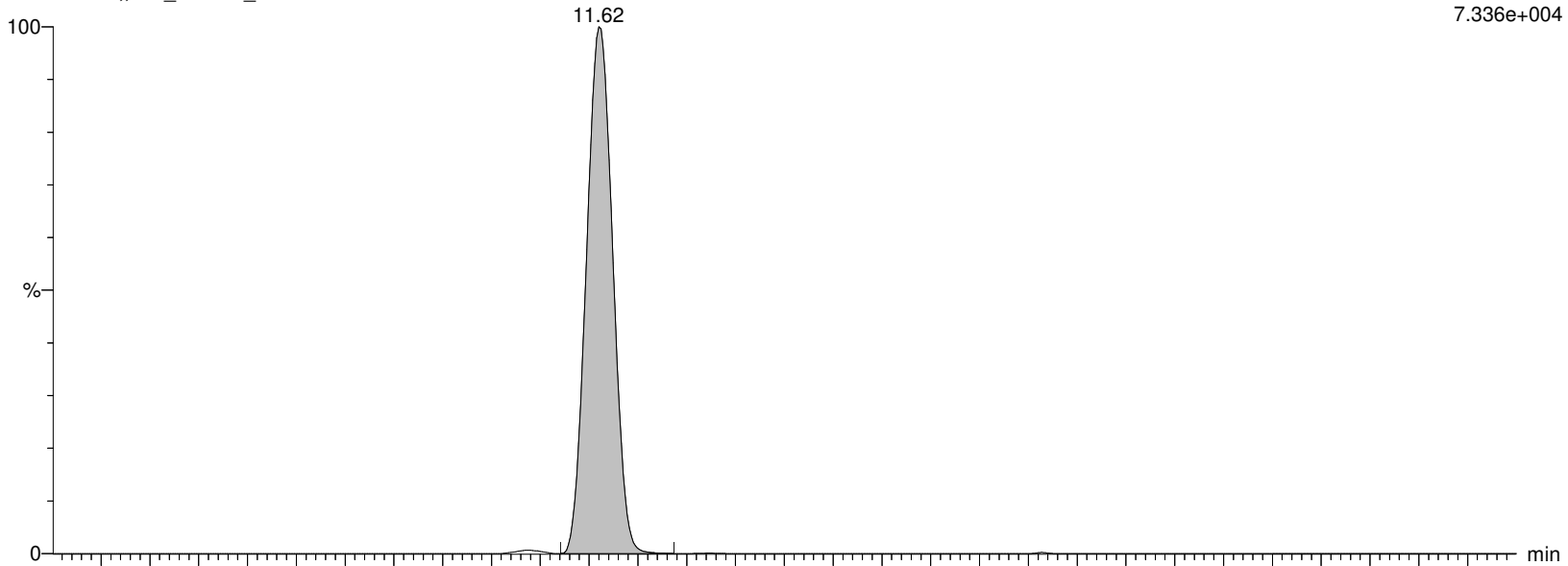
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F33:MRM of 2 channels,ES-

511.804 > 168.906

7.336e+004



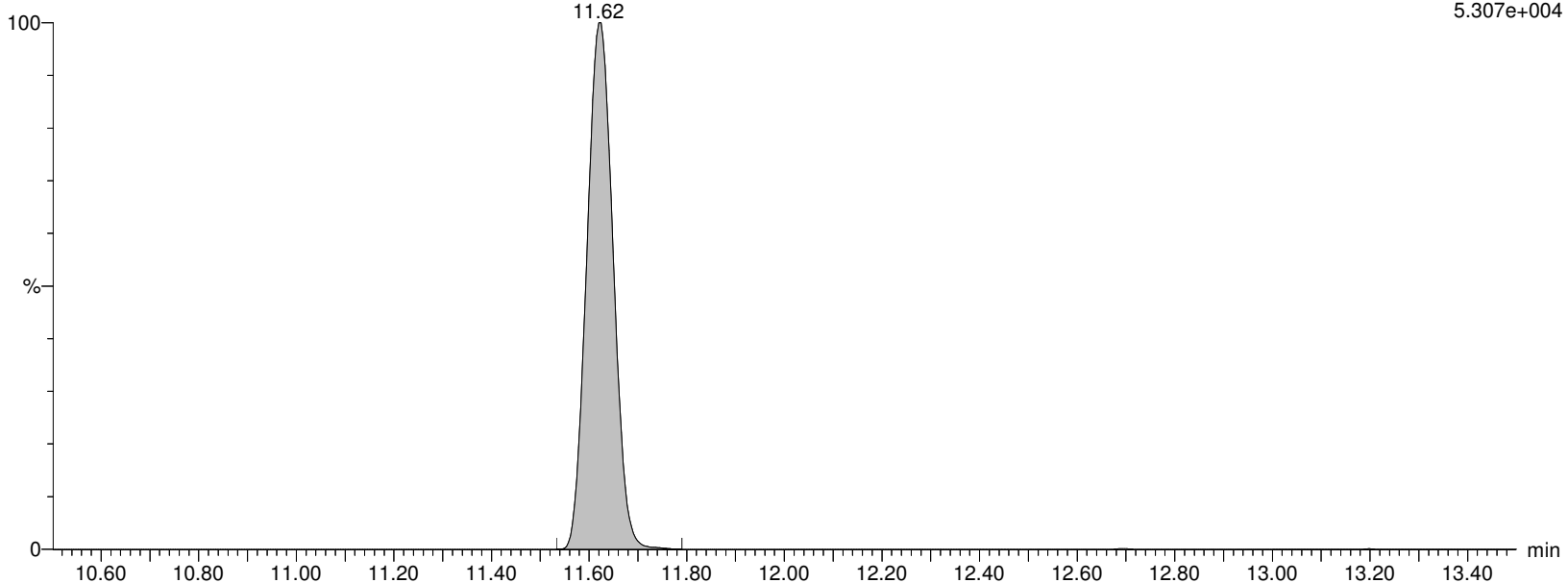
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F33:MRM of 2 channels,ES-

511.804 > 218.918

5.307e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSA**

I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

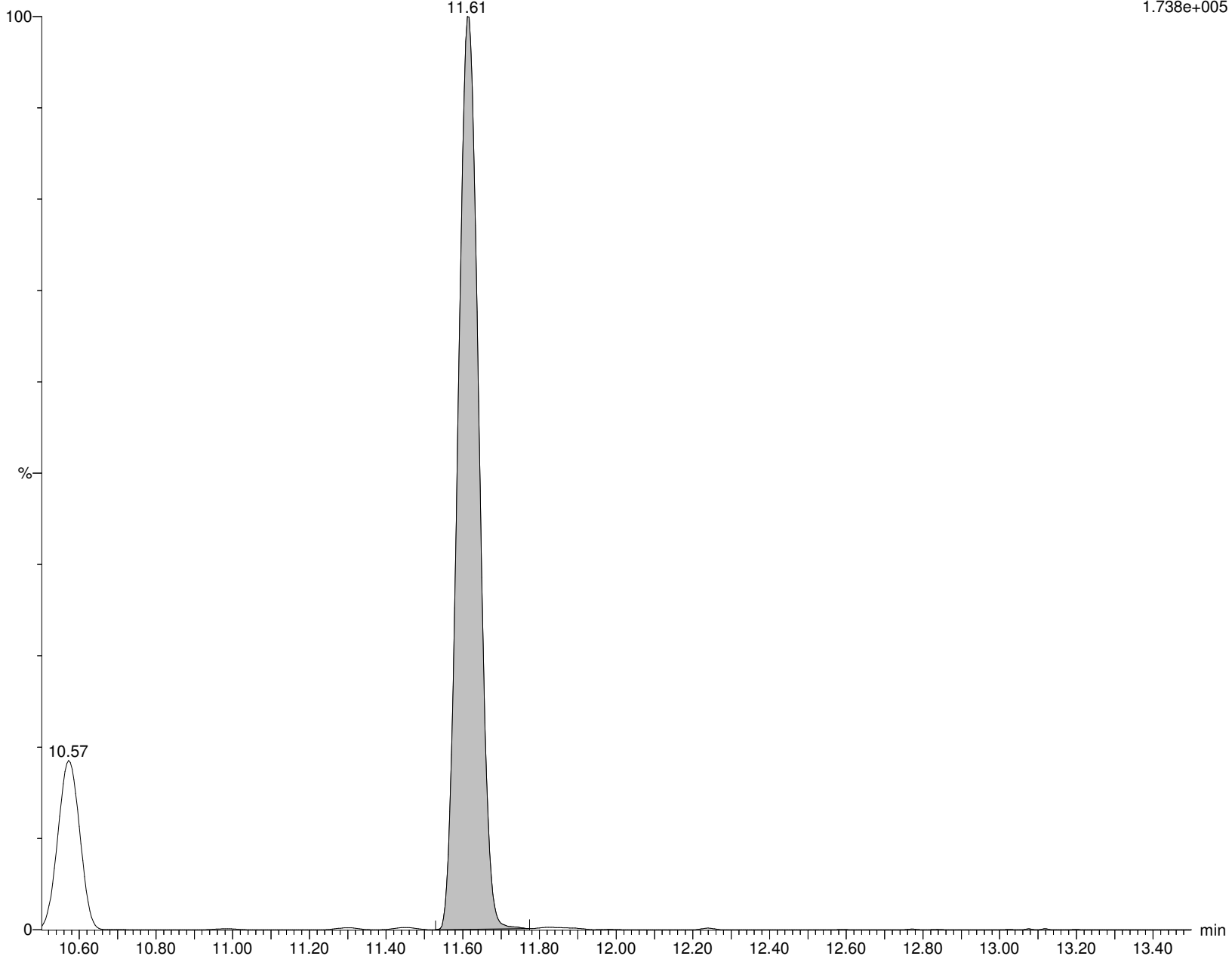
d3-NMeFOSA

11.61

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.738e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

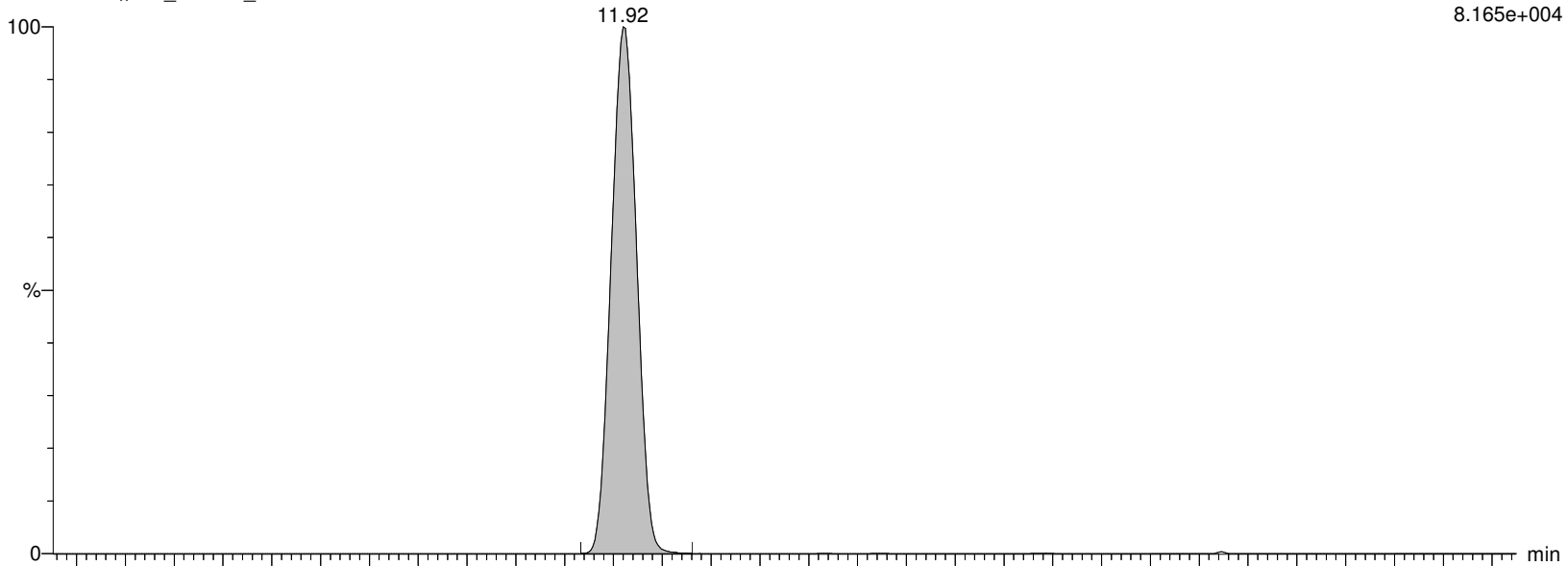
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F38:MRM of 2 channels,ES-

525.84 > 168.92

8.165e+004



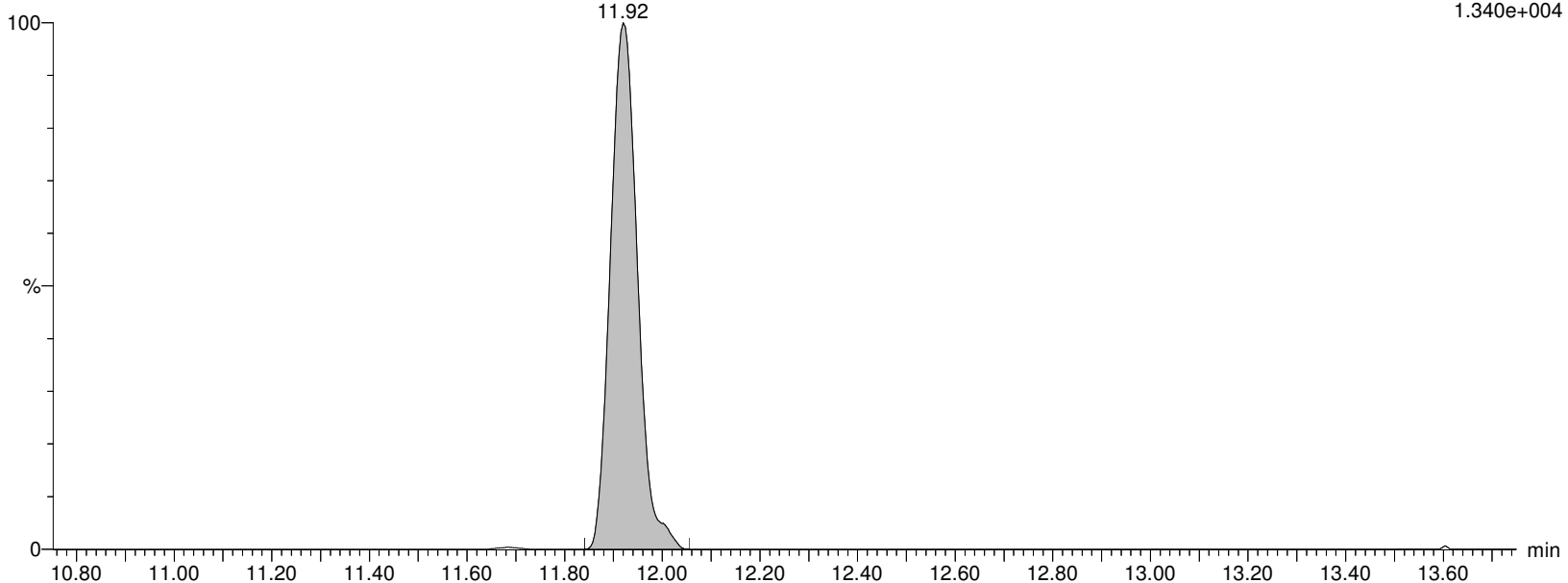
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F38:MRM of 2 channels,ES-

525.84 > 118.893

1.340e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436**ID: IA2-537STD5.0****Date: 18-Nov-2019****Time: 11:10:20****Description: WG1310082,,537_190904_3****User: LCMS02:JW****Vial: 1:A,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

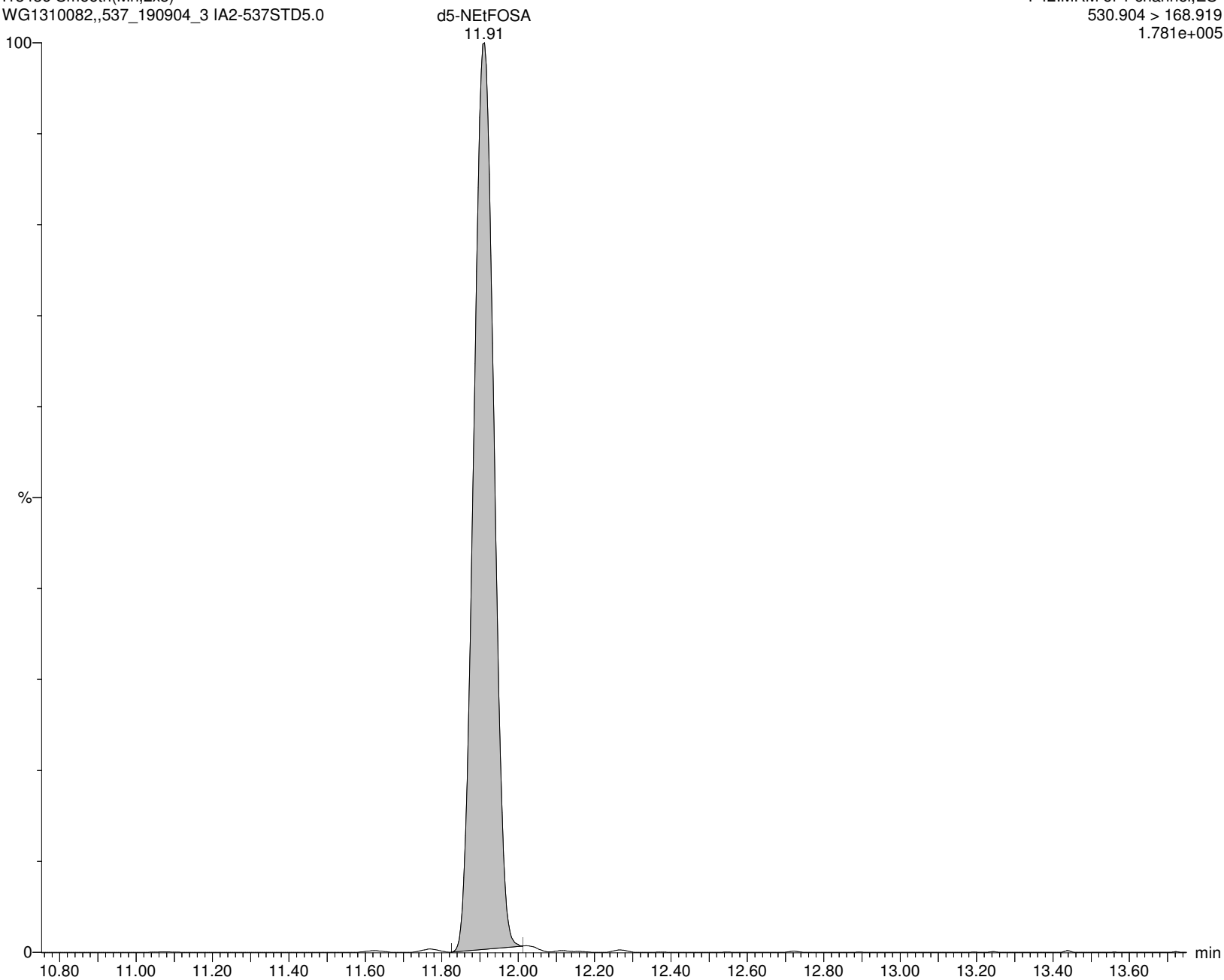
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.781e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

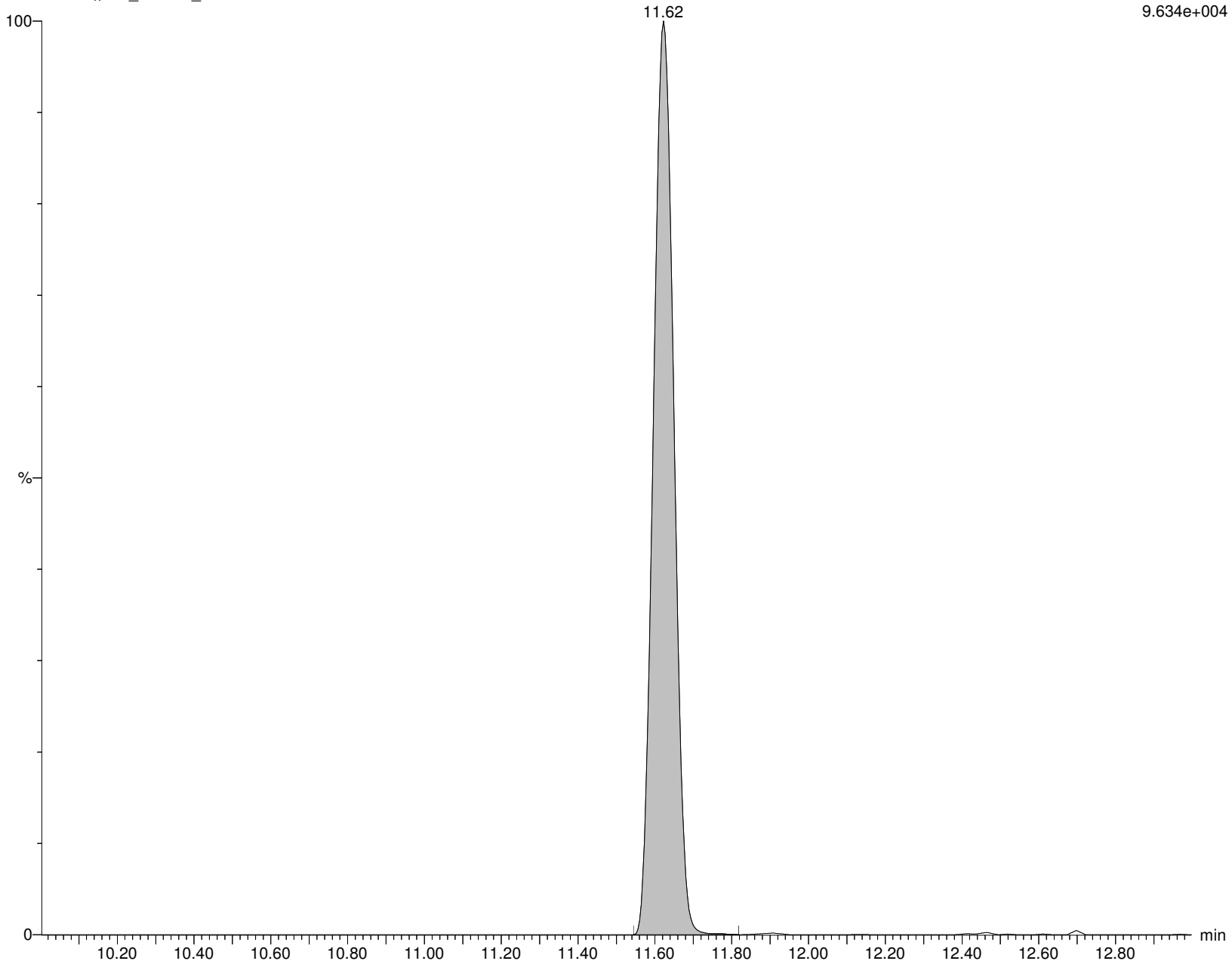
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F53:MRM of 1 channel,ES-

615.862 > 58.9

9.634e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

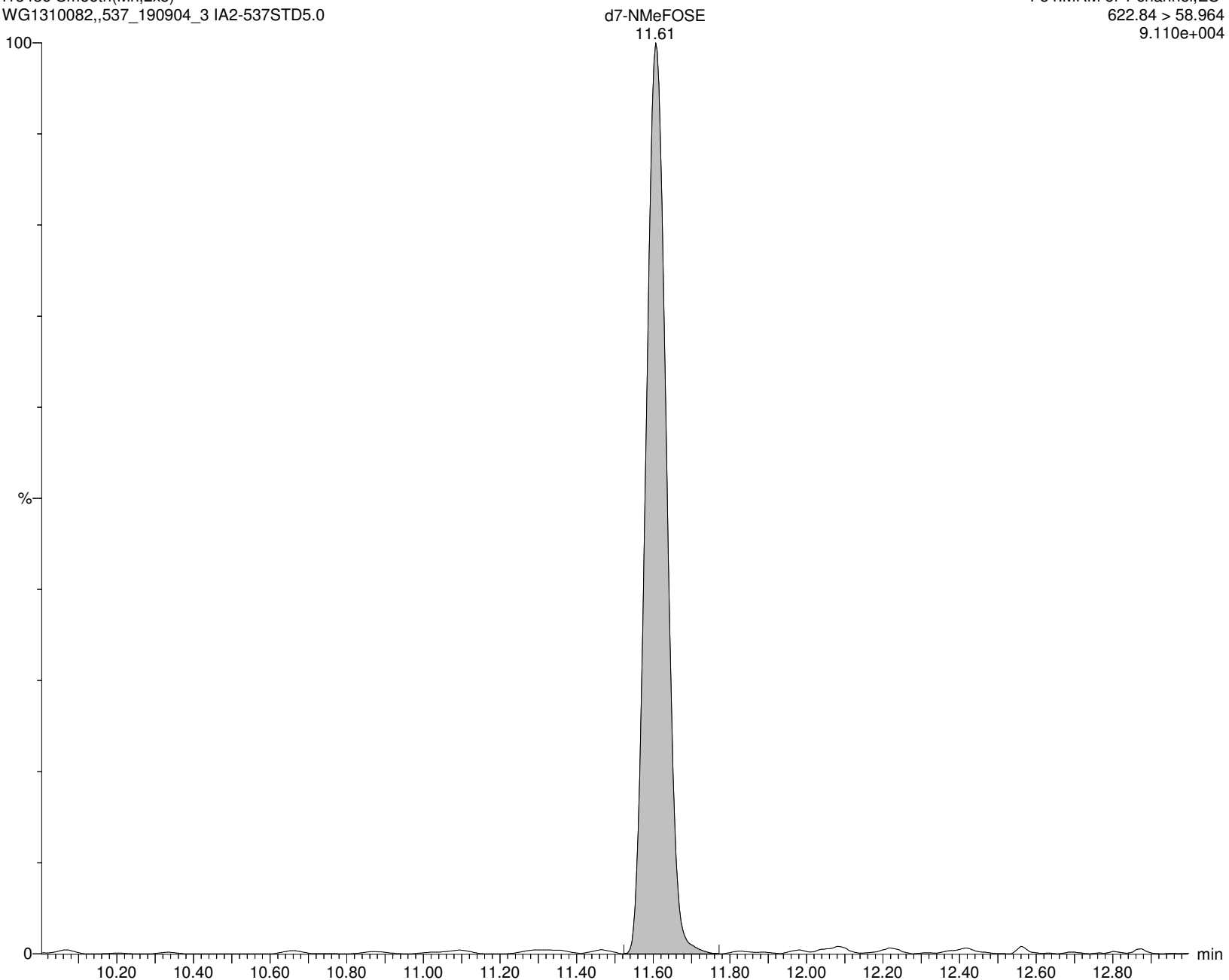
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F54:MRM of 1 channel,ES-

622.84 > 58.964

9.110e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSE

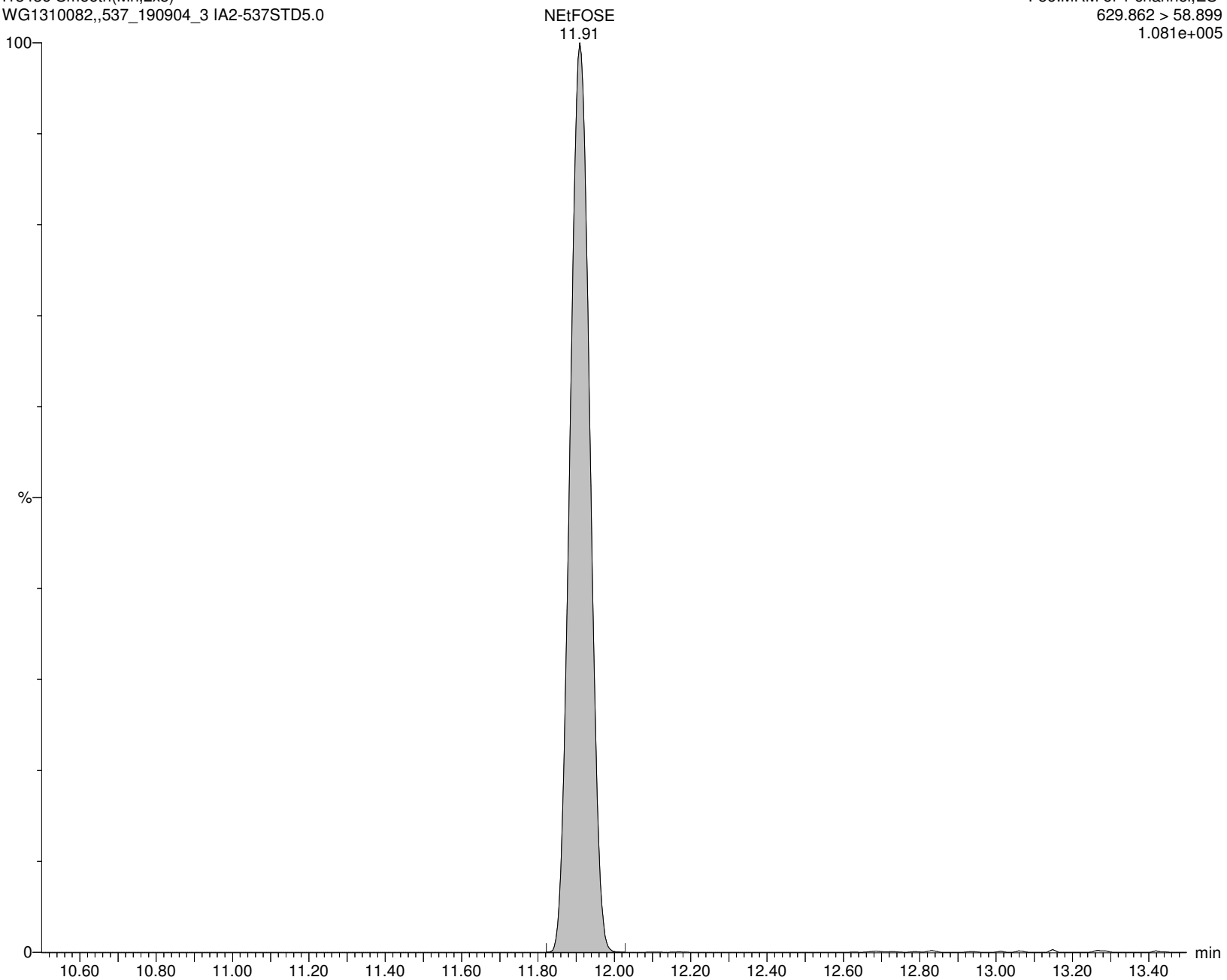
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F56:MRM of 1 channel,ES-

629.862 > 58.899

1.081e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:52 Eastern Standard Time

Name: I13436

ID: IA2-537STD5.0

Date: 18-Nov-2019

Time: 11:10:20

Description: WG1310082,,537_190904_3

User: LCMS02:JW

Vial: 1:A,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

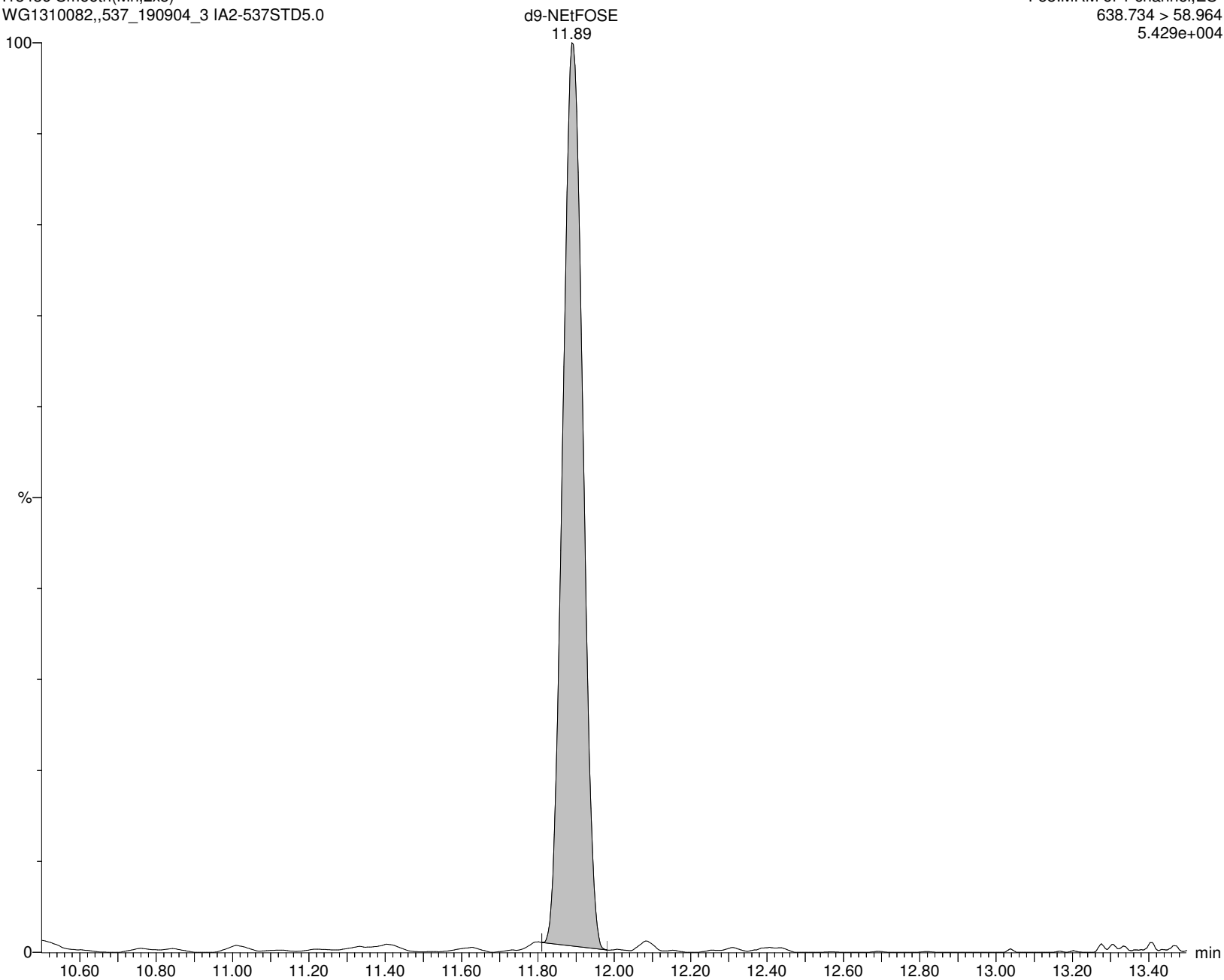
I13436 Smooth(Mn,2x5)

WG1310082,,537_190904_3 IA2-537STD5.0

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.429e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD10.0

Name: I13437

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	42613		9.920		na	99.2
2	M3PFBA	INT STD	2.19	215.926 > 172.122	47492		10.249		na	102.5
3	MPFBA	INT STD	2.19	216.926 > 172.137	51444		9.954		na	99.5
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	70843		9.778		na	97.8
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	75018		10.234		na	102.3
6	PFBS	375-73-5	5.75	298.926 > 79.923	13152		8.873	1.86	NO	100.3
7	M3PFBS	INT STD	5.75	301.989 > 80.254	10089		9.447		na	94.5
8	4:2FTS	757124-72-4	6.92	326.926 > 306.957	5684		9.476	2.14	NO	101.3
9	M2-4:2FTS	INT STD	6.92	329.117 > 309.079	5560		8.019		na	80.2
10	PFHxA	307-24-4	7.00	312.989 > 269.028	78643		9.941	18.89	NO	99.4
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	85938		9.771		na	97.7
12	PFPeS	2706-91-4	7.31	348.926 > 80.251	9042		8.563	1.75	NO	91.1
13	PFHpA	375-85-9	8.26	362.926 > 319.014	103796		9.884	5.91	NO	98.8
14	M4PFHpA	INT STD	8.25	366.926 > 321.979	116421		9.938		na	99.4
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	1051	M5	1.400	2.02	NO	82.4
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	5750		7.270	1.19	NO	98.2
17	PFHxS	355-46-4		398.926 > 80.295	6801		8.670		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	6314		10.243		na	102.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	105110		10.457	10.79	NO	104.6
21	PFOA	335-67-1		412.989 > 368.9	105110		10.457		na	
22	M8PFOA	INT STD	9.19	420.989 > 375.979	109471		9.738		na	97.4
23	M2PFOA	INT STD	9.19	415.032 > 369.968	114891		10.868		na	108.7
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	4543		10.363	9.85	NO	109.1
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	5537		8.172		na	81.7
26	PFHpS	375-92-8	9.28	448.926 > 80.257	5201		10.378	0.86	YES	109.2
27	PFNA	375-95-1	9.94	462.989 > 418.931	90734		9.831	4.55	NO	98.3
28	M9PFNA	INT STD	9.94	472.053 > 426.947	112654		10.184		na	101.8
29	br-PFOS	1763-23-1	9.80	498.989 > 80.294	1720	M5	1.724	4.24	NO	86.2
30	L-PFOS	1763-23-1	9.99	498.989 > 80.294	5687		7.613	1.50	YES	104.3
31	PFOS	1763-23-1		498.989 > 80.294	7407		9.338		na	
32	M4PFOS	INT STD	9.99	503.032 > 80.306	7630		10.925		na	109.2
33	M8PFOS	INT STD	9.99	507.053 > 80.294	7611		9.722		na	97.2
34	PFDA	335-76-2	10.57	513.053 > 468.906	86873		10.017	7.04	NO	100.2
35	M2PFDA	INT STD	10.57	515.053 > 469.934	99233		11.239		na	112.4
36	M6PFDA	INT STD	10.57	519.053 > 473.931	101095		9.857		na	98.6
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	3723		9.890		na	103.0
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	3572		8.987		na	89.9
39	PFNS	68259-12-1	10.60	548.989 > 80.249	7010		9.902	1.23	NO	103.1

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

ID: IA2-537STD10.0

Name: I13437

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	10699		9.160		na	91.6
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	9818		9.846	2.79	NO	98.5
43	NMeFOSAA	2355-31-9		570.053 > 418.917	9818		9.846		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	88904		9.957	8.09	NO	99.6
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	93371		10.262		na	102.6
46	PFDS	335-77-3	11.12	598.926 > 80.314	5333		10.538	0.94	NO	109.2
47	FOSA	754-91-6	11.01	497.989 > 78.245	23947		9.769	147.69	NO	97.7
48	M8FOSA	INT STD	11.01	506.053 > 78.286	23068		9.513		na	95.1
49	d5-NEtFOSAA	INT STD	11.24	589.117 > 418.929	9223		8.939		na	89.4
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	8886		10.205	2.73	NO	102.1
52	NEtFOSAA	2991-50-6		583.989 > 418.927	8886		10.205		na	
53	PFDoA	307-55-1	11.59	612.989 > 568.967	85750		10.516	13.86	NO	105.2
54	MPFDOA	INT STD	11.59	614.989 > 569.92	96275		9.432		na	94.3
55	PFTTrDA	72629-94-8	12.00	663.053 > 618.969	69475		10.654	10.35	NO	106.5
56	PFTA	376-06-7	12.36	713.053 > 668.976	63347		10.427	9.29	NO	104.3
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	75865		9.357		na	93.6
58	M3HFPO-DA	INT STD	7.42	331.989 > 286.995	4823		97.911		na	49.0
59	HFPO-DA	13252-13-6	7.42	284.819 > 169.094	8056		201.196	2.76	YES	100.6
60	ADONA	958445-44-8	8.43	376.926 > 251.005	142939		9.932		na	105.0
61	PFHxDA		12.78	813.053 > 769.005	56901		8.061		na	80.6
62	PFODA		12.99	912.989 > 869.032	38946		7.529		na	75.3
63	M2PFHxDA		12.78	815.372 > 770.158	19278		11.170		na	111.7
64	PFDoS		11.99	698.649 > 79.853	5766		11.178	1.86	YES	111.8
65	10:2FTS		11.60	626.862 > 606.896	3399		9.346		na	96.9
66	9CL-PF3ONS		10.34	530.862 > 350.843	47426		9.481		na	101.7
67	11CL-PFOUdS		11.38	630.862 > 450.854	39060		9.263		na	98.3
68	NMeFOSA		11.62	511.804 > 168.906	8669		10.184	1.38	NO	101.8
69	d3-NMeFOSA		11.62	514.84 > 168.917	11452		9.056		na	90.6
70	NEtFOSA		11.92	525.84 > 168.92	9820		9.587	6.55	YES	95.9
71	d5-NEtFOSA		11.91	530.904 > 168.919	11690		9.451		na	94.5
72	NMeFOSE		11.62	615.862 > 58.9	10782		9.298		na	93.0
73	d7-NMeFOSE		11.61	622.84 > 58.964	5732		9.678		na	96.8
74	NEtFOSE		11.91	629.862 > 58.899	12373		10.043		na	100.4
75	d9-NEtFOSE		11.89	638.734 > 58.964	3121		9.012		na	90.1

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

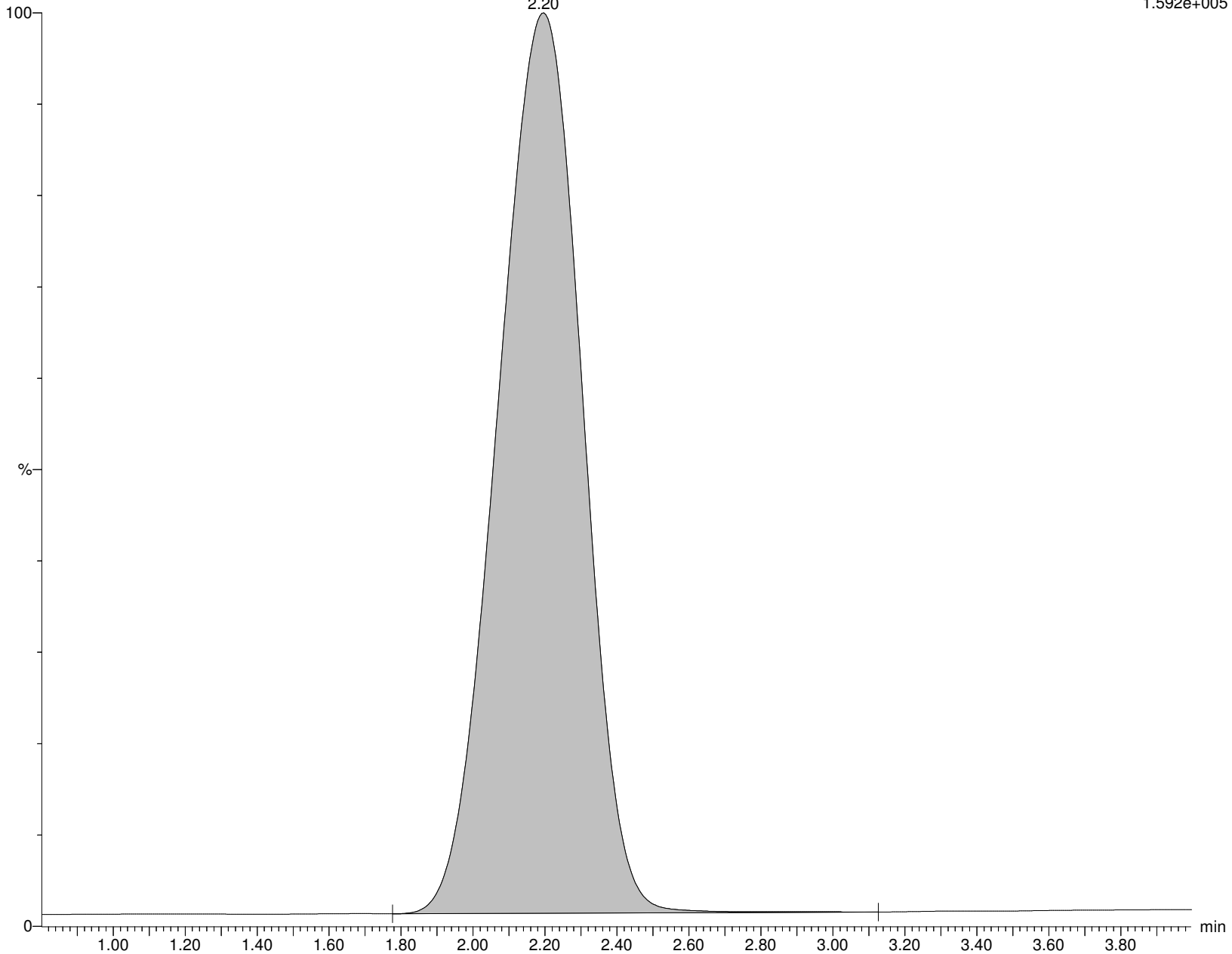
I13437 Smooth(Mn,8x8)

WG1310082,,537_190904_4 IA2-537STD10.0

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.592e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

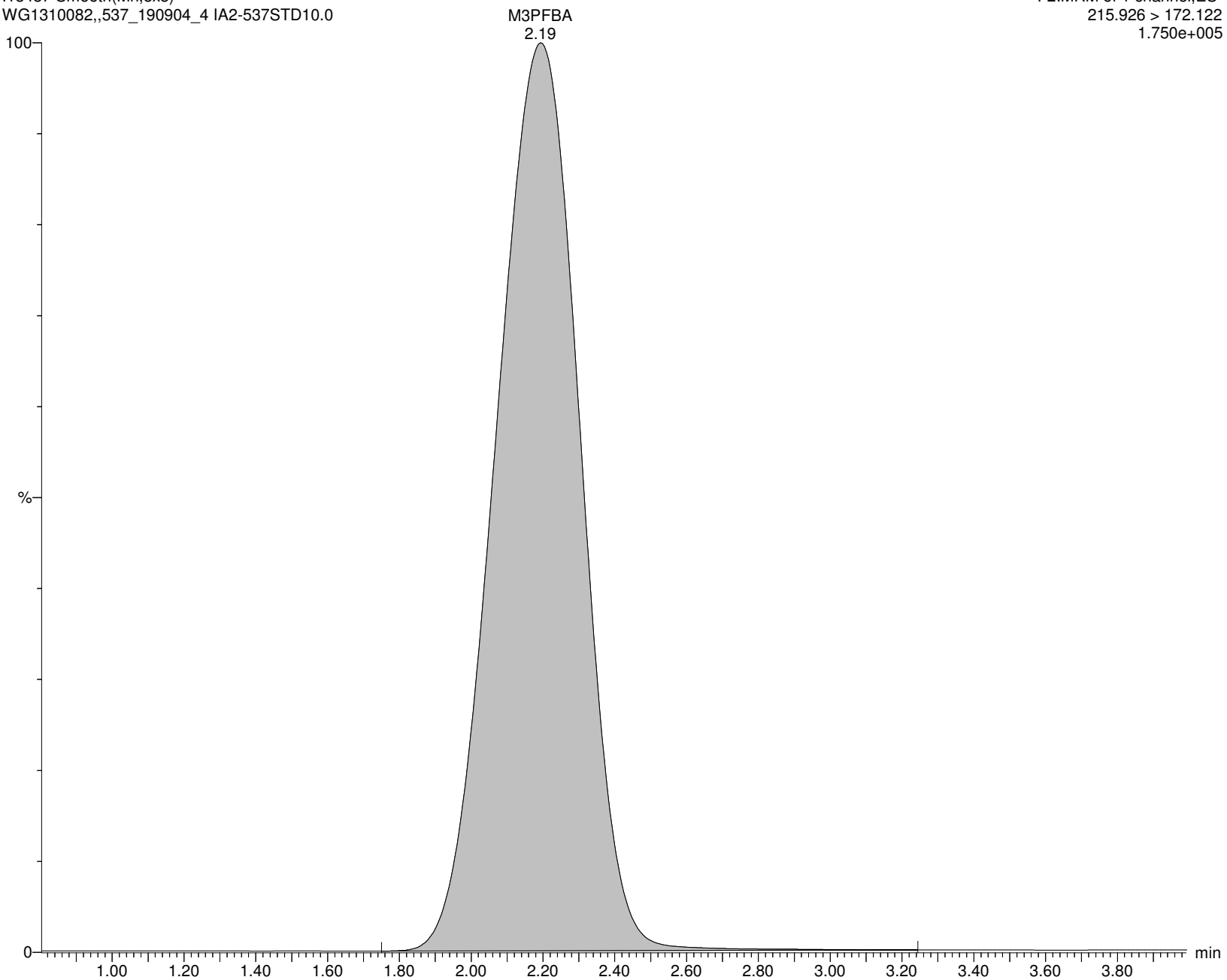
I13437 Smooth(Mn,8x8)

WG1310082,,537_190904_4 IA2-537STD10.0

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.750e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

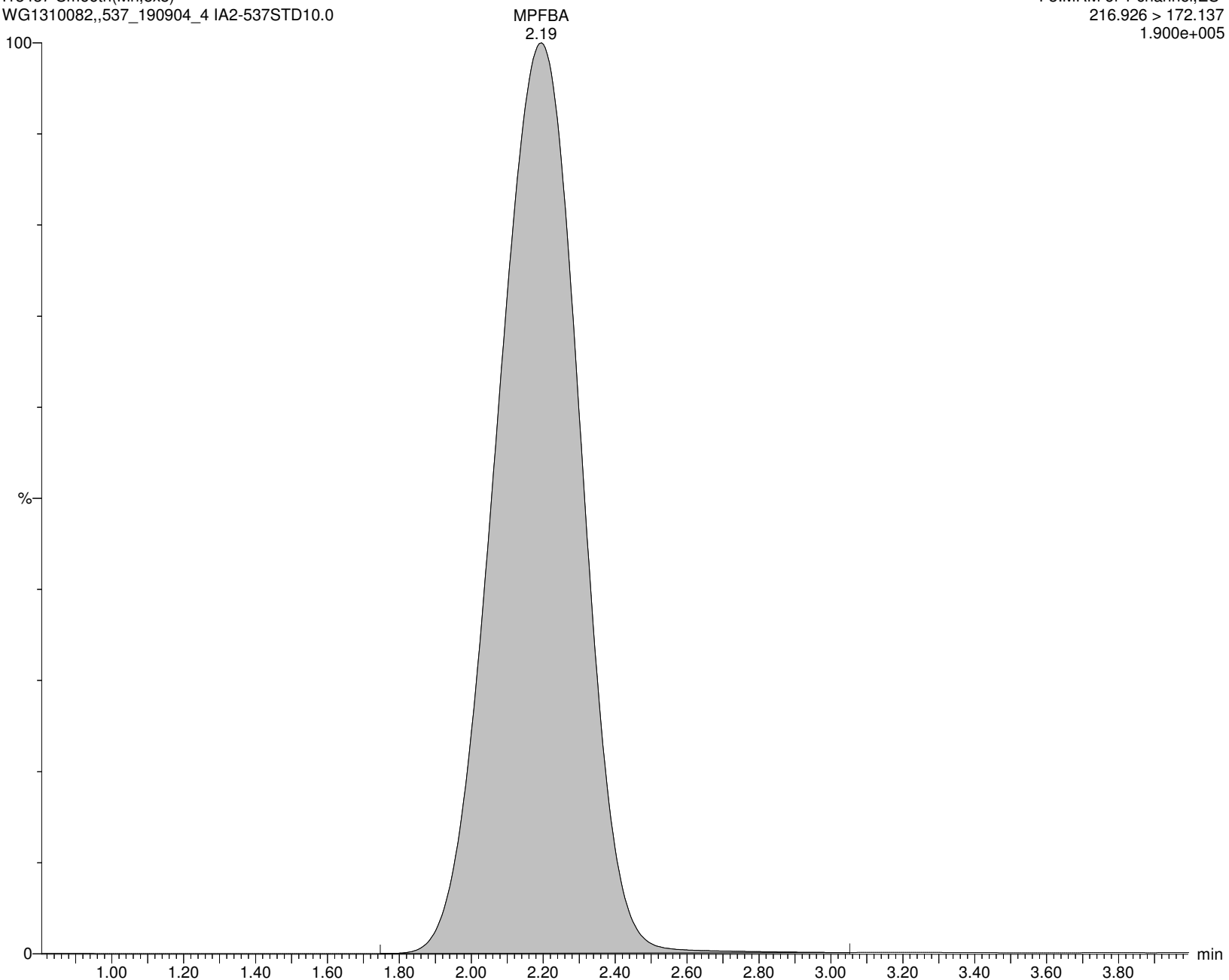
I13437 Smooth(Mn,8x8)

WG1310082,,537_190904_4 IA2-537STD10.0

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.900e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

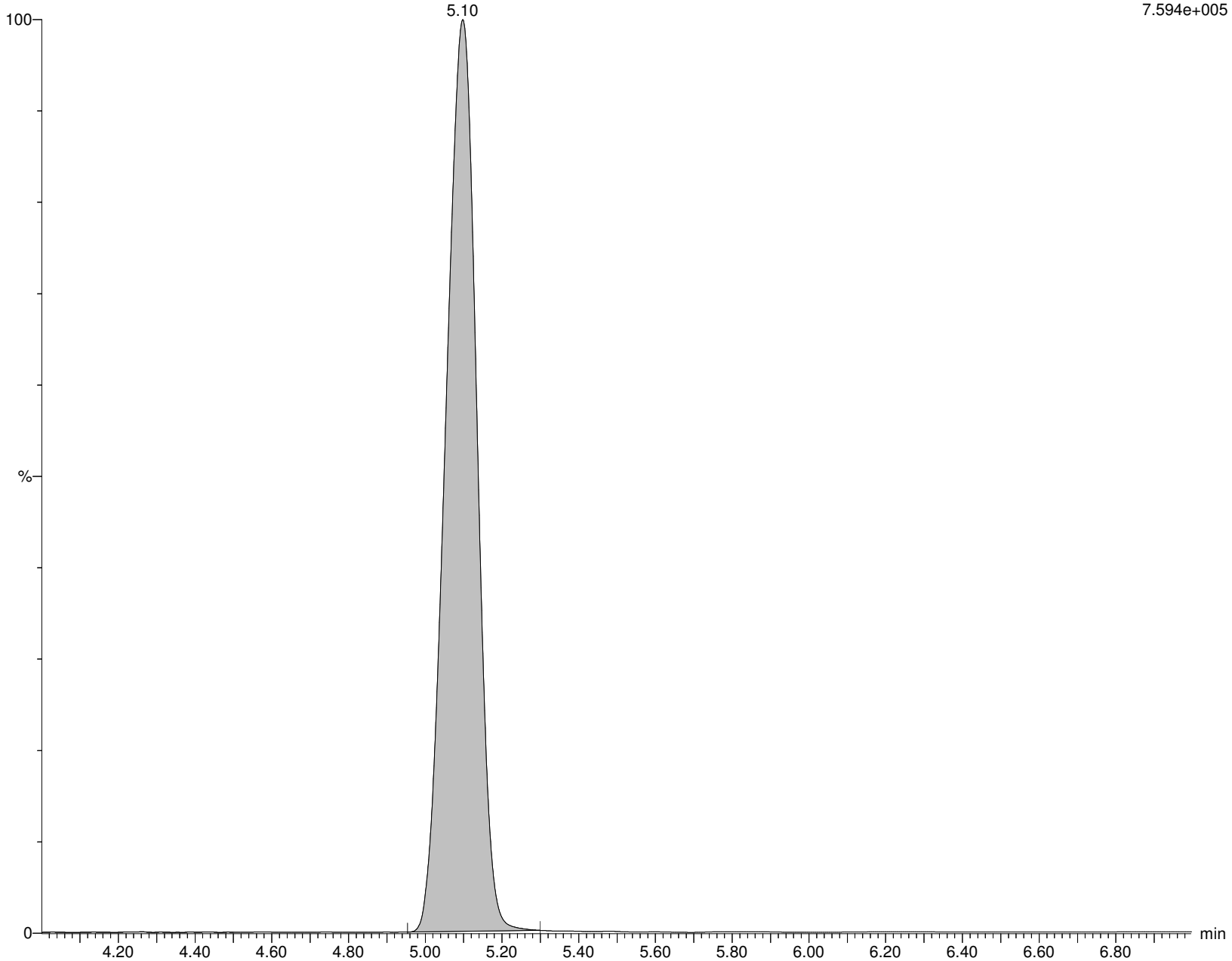
I13437 Smooth(Mn,7x7)

WG1310082,,537_190904_4 IA2-537STD10.0

F4:MRM of 1 channel,ES-

262.926 > 219.002

7.594e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

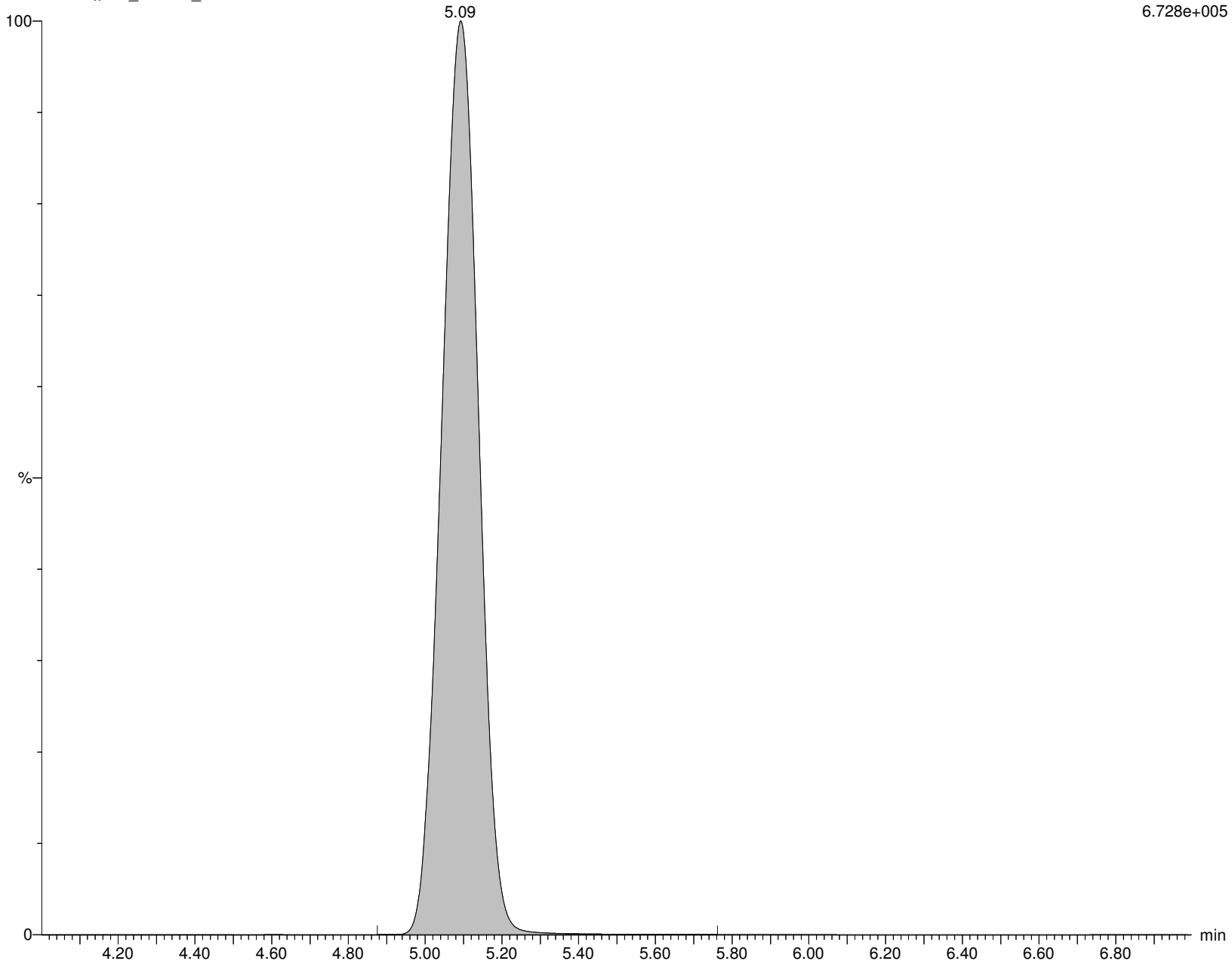
I13437 Smooth(Mn,10x10)

WG1310082,,537_190904_4 IA2-537STD10.0

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.728e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

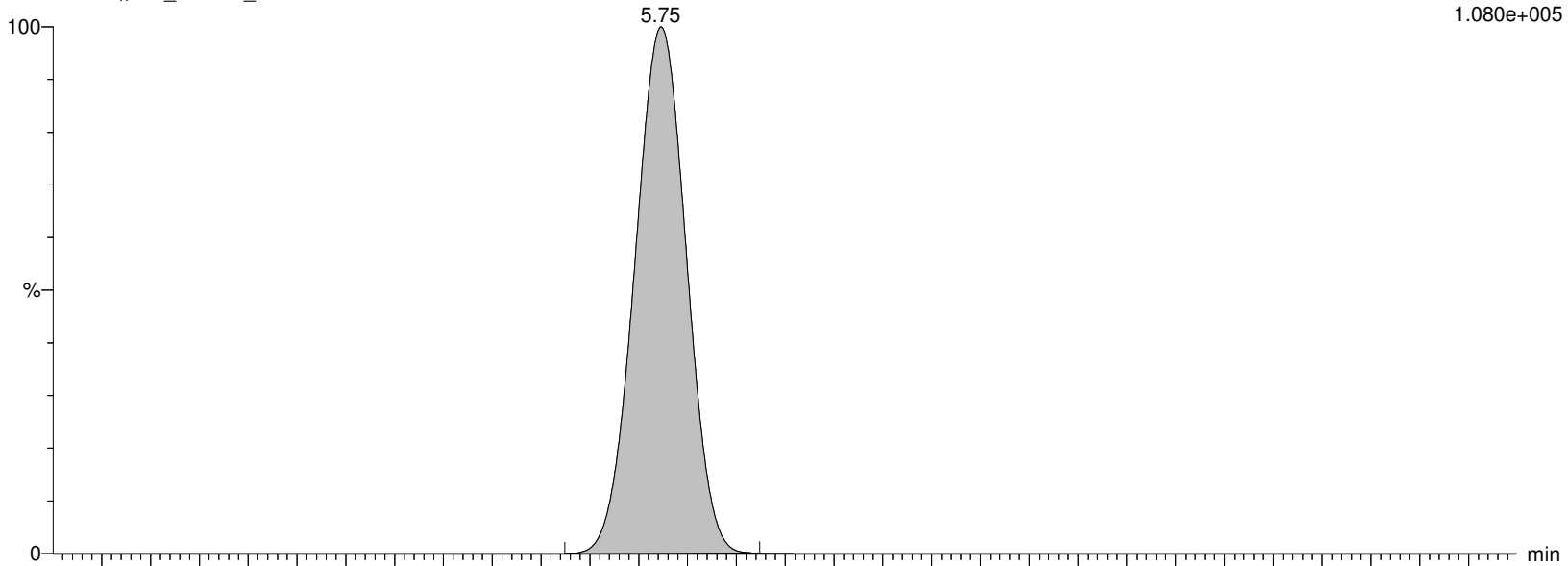
I13437 Smooth(Mn,10x10)

WG1310082,,537_190904_4 IA2-537STD10.0

F7:MRM of 2 channels,ES-

298.926 > 79.923

1.080e+005



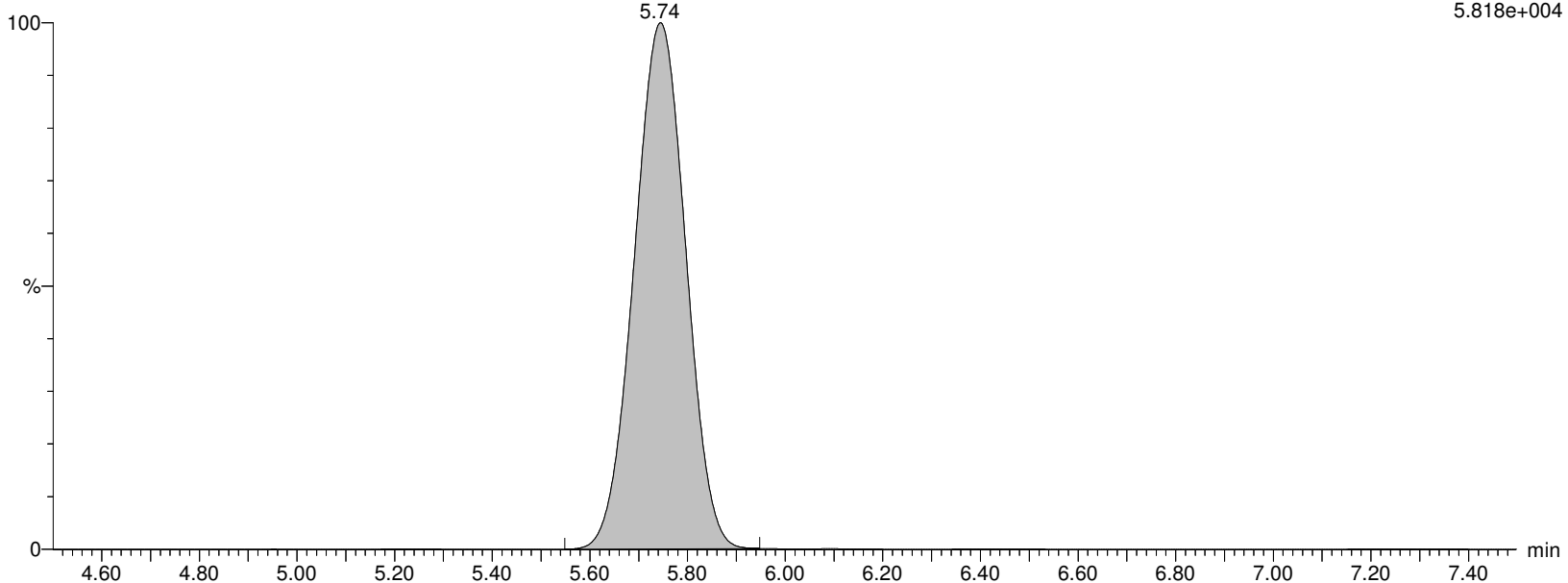
I13437 Smooth(Mn,10x10)

WG1310082,,537_190904_4 IA2-537STD10.0

F7:MRM of 2 channels,ES-

298.926 > 98.862

5.818e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBS

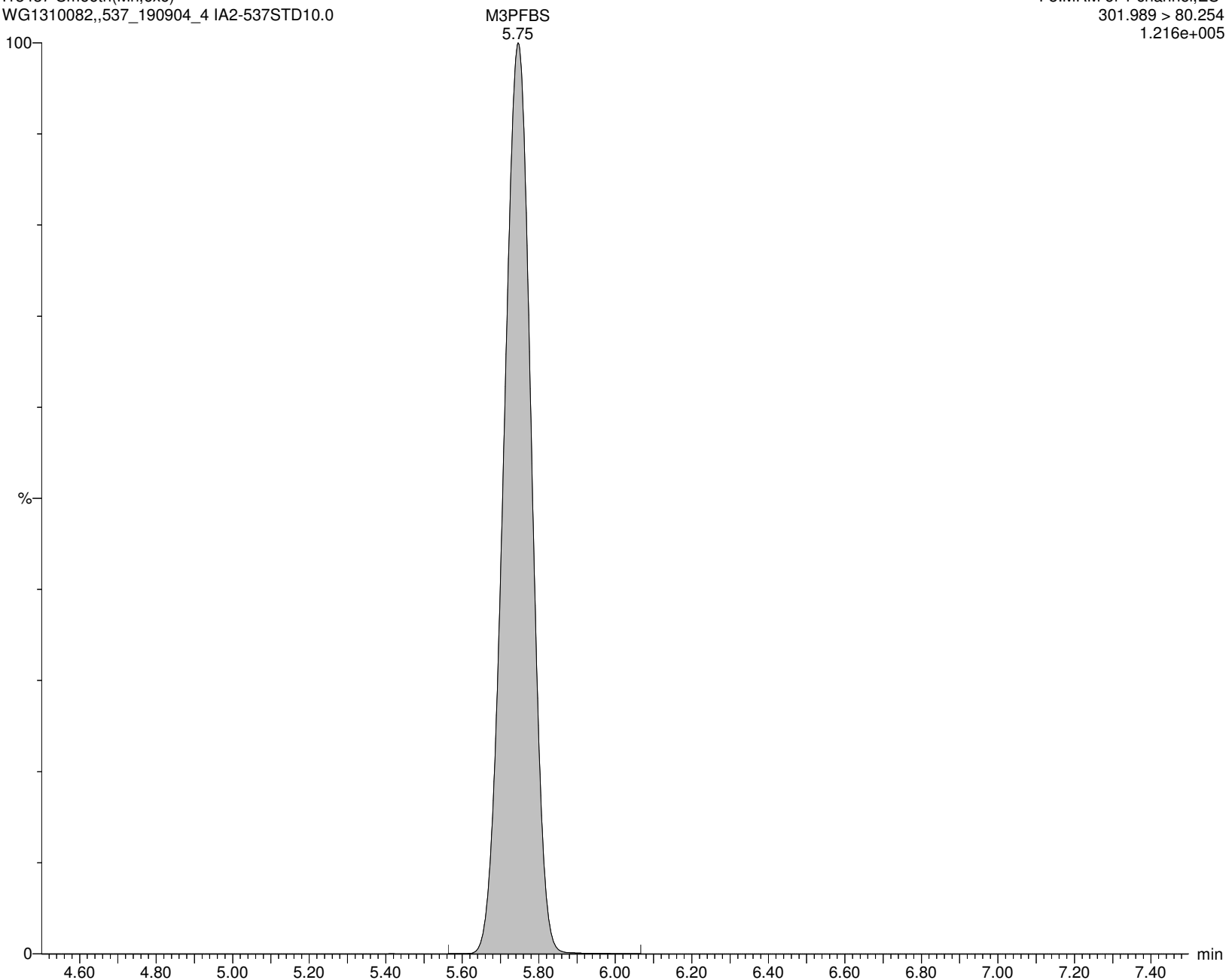
I13437 Smooth(Mn,6x6)

WG1310082,,537_190904_4 IA2-537STD10.0

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.216e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

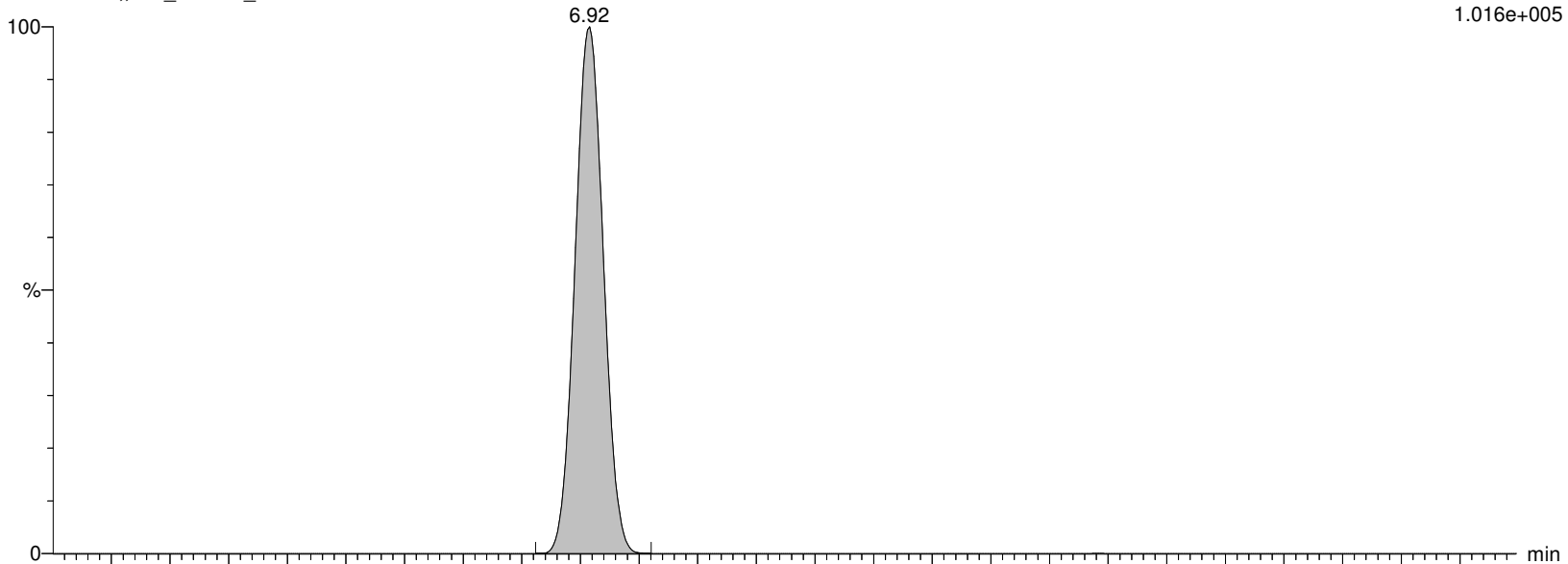
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F11:MRM of 2 channels,ES-

326.926 > 306.957

1.016e+005



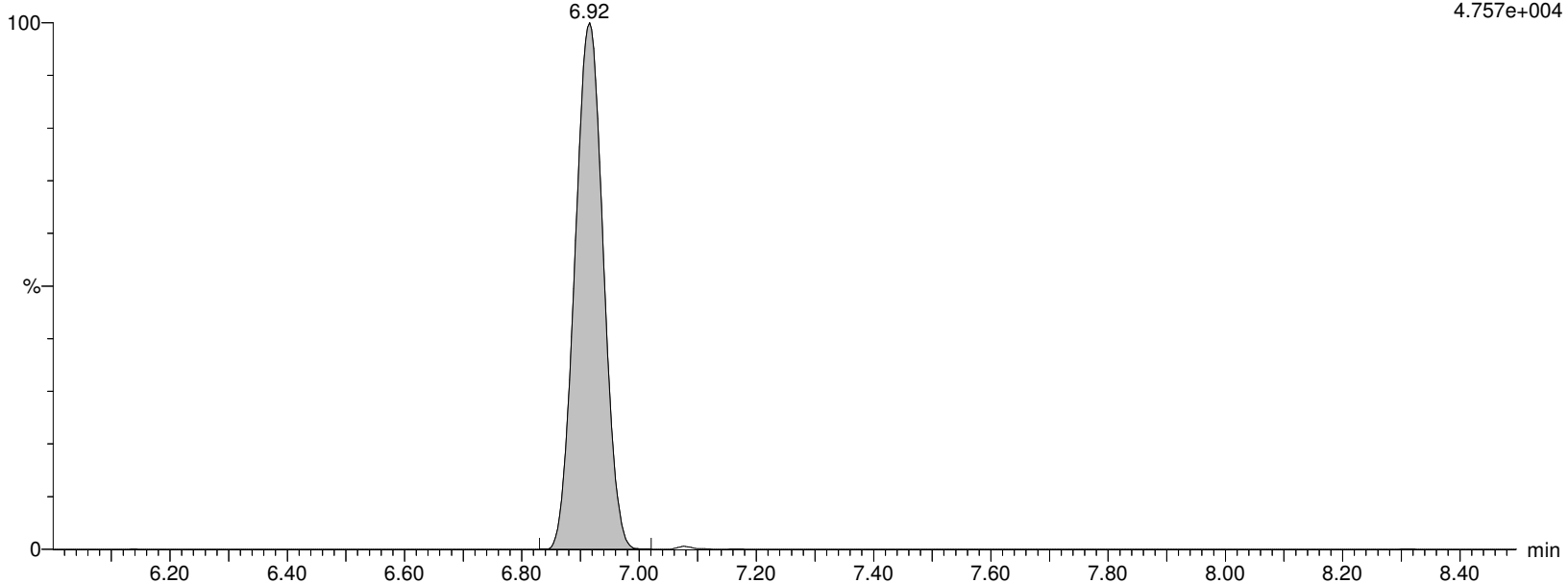
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F11:MRM of 2 channels,ES-

326.926 > 81.02

4.757e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

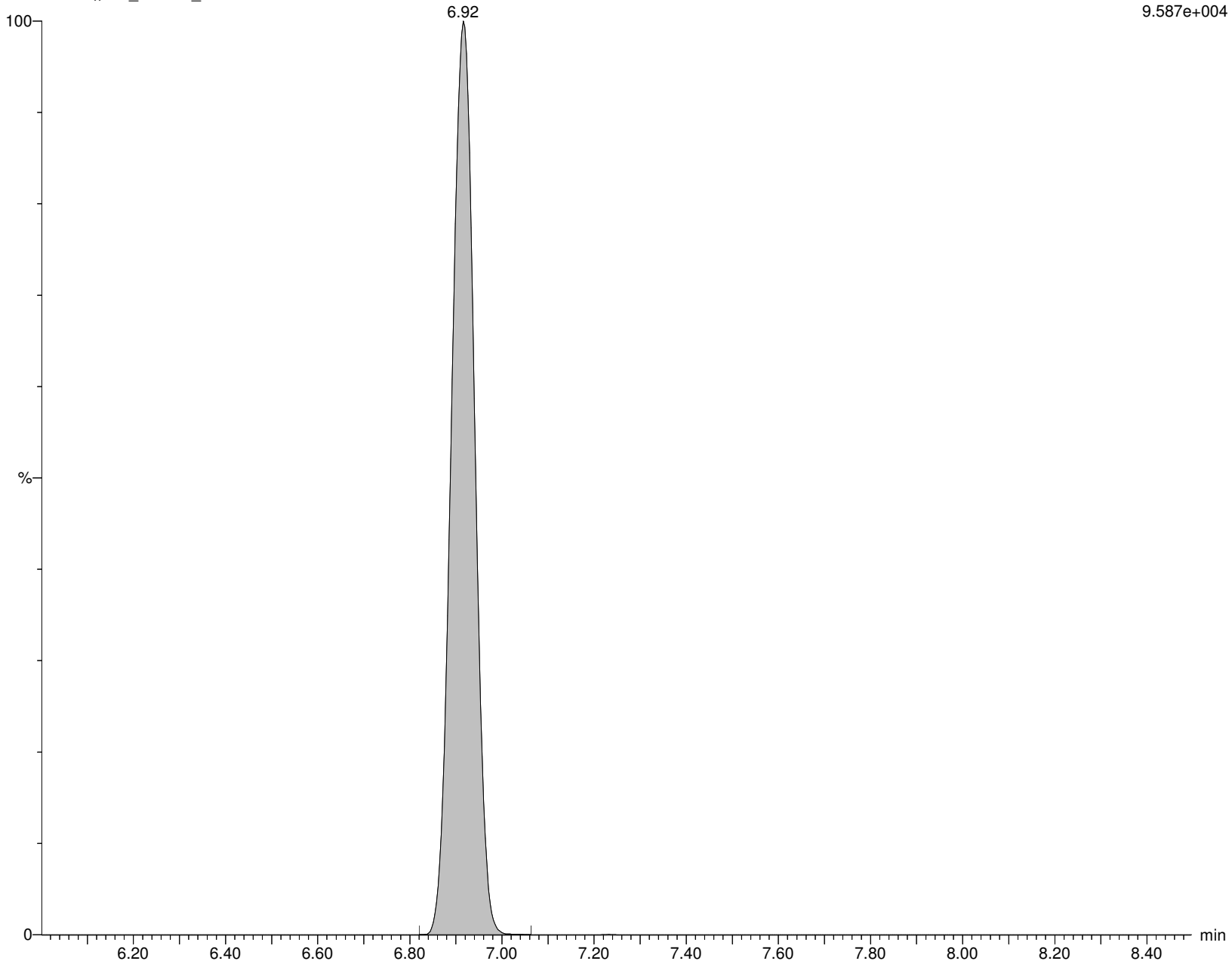
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F12:MRM of 2 channels,ES-

329.117 > 309.079

9.587e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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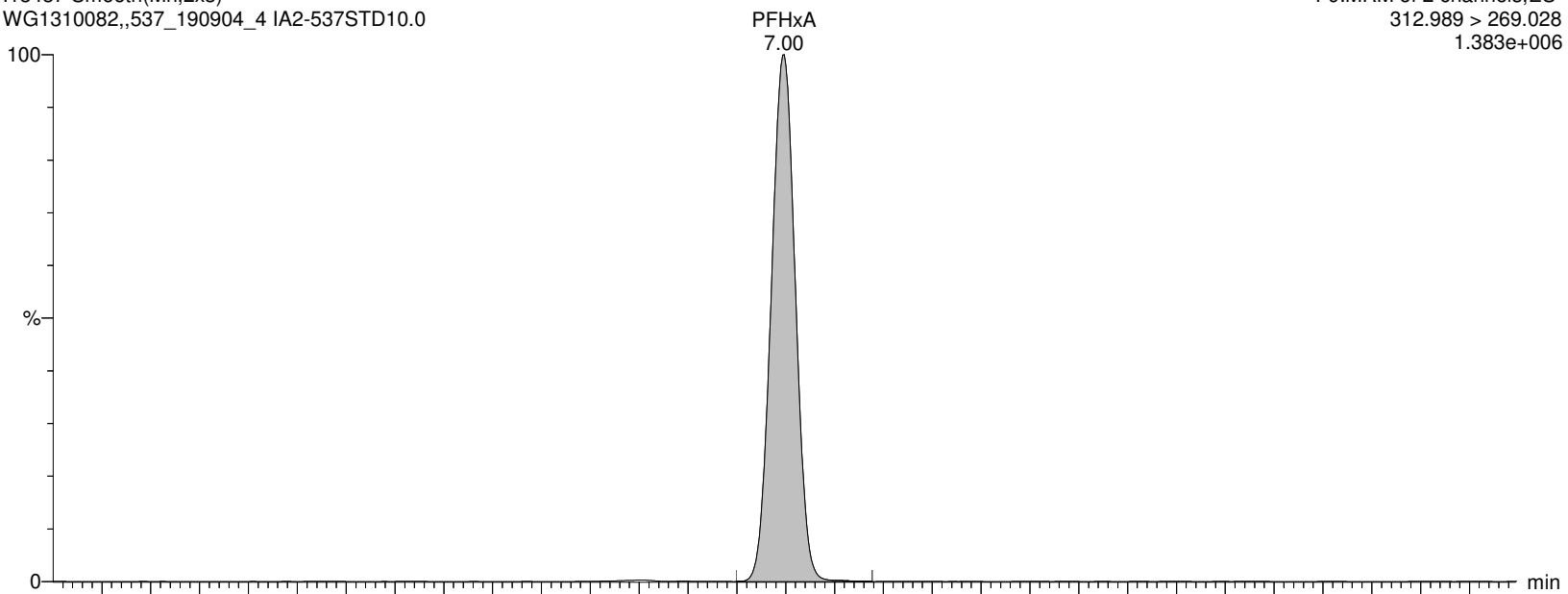
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F9:MRM of 2 channels,ES-

312.989 > 269.028

1.383e+006



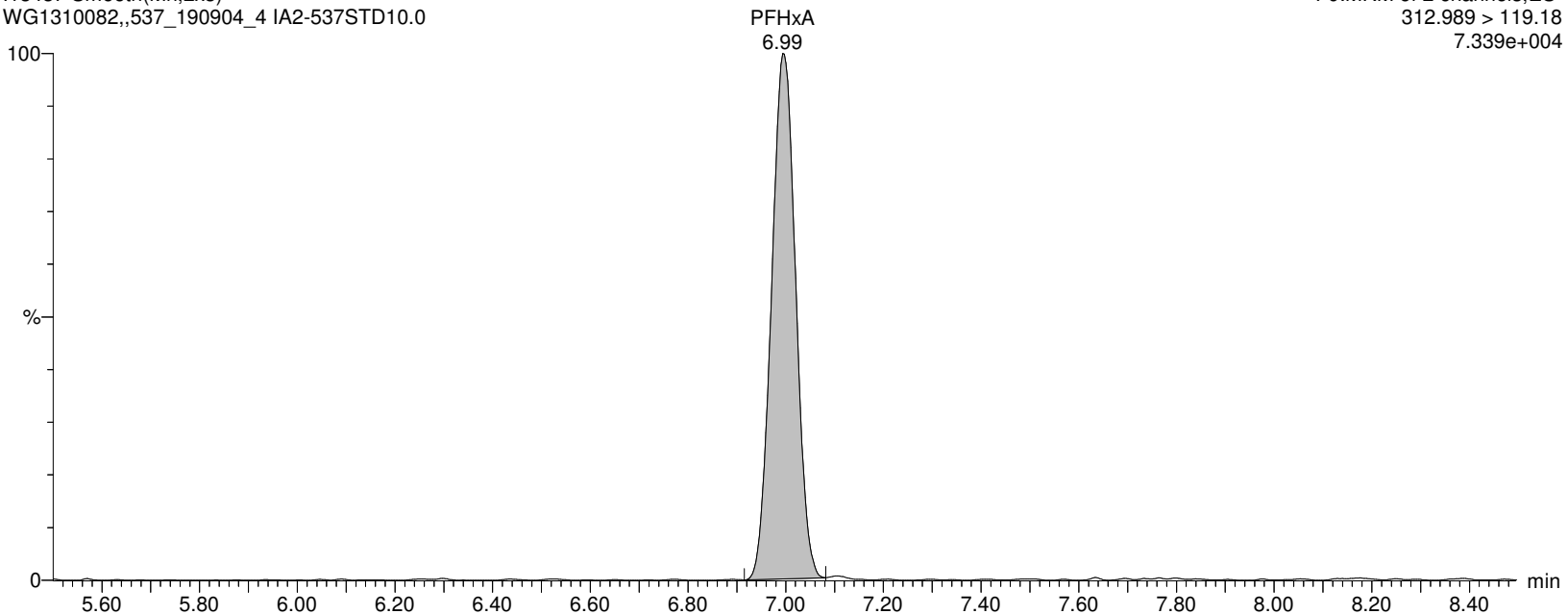
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WG1310082,,537_190904_4 IA2-537STD10.0

F9:MRM of 2 channels,ES-

312.989 > 119.18

7.339e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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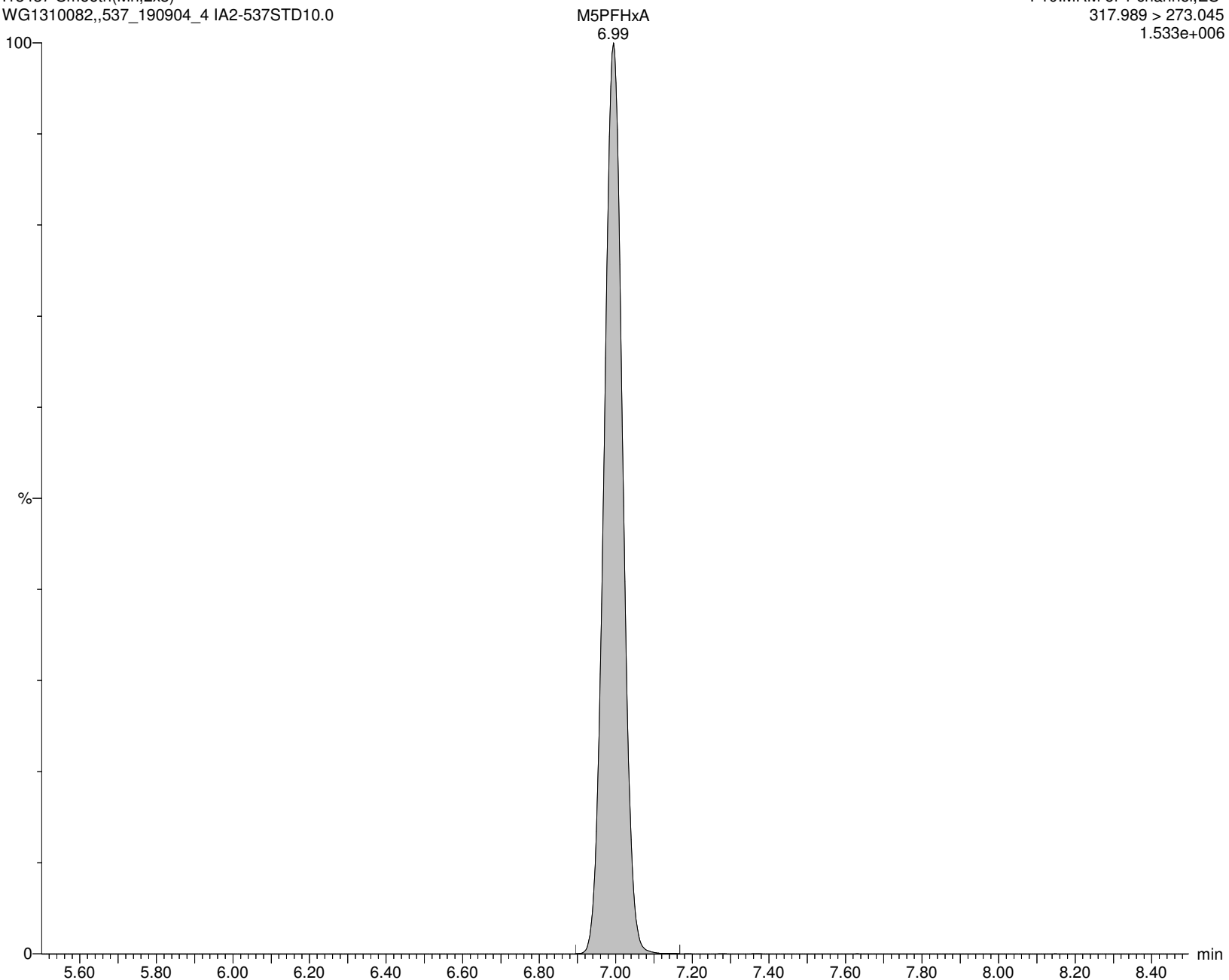
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.533e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

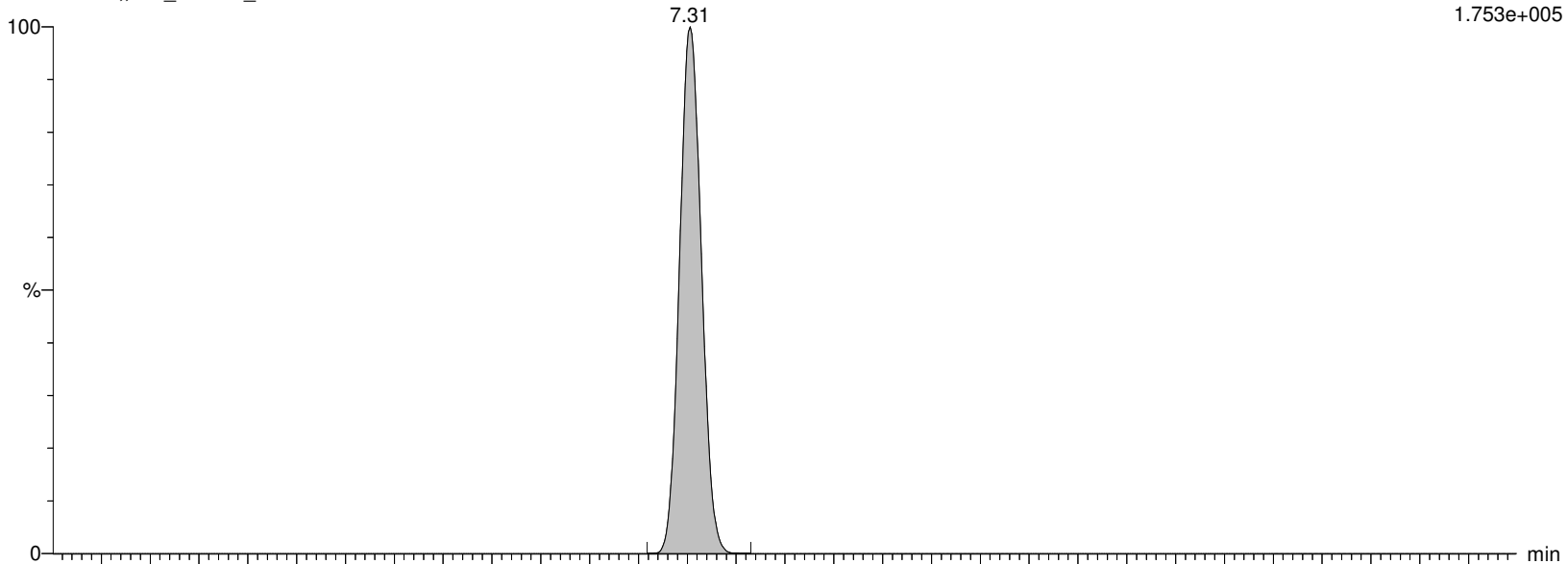
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F14:MRM of 2 channels,ES-

348.926 > 80.251

1.753e+005



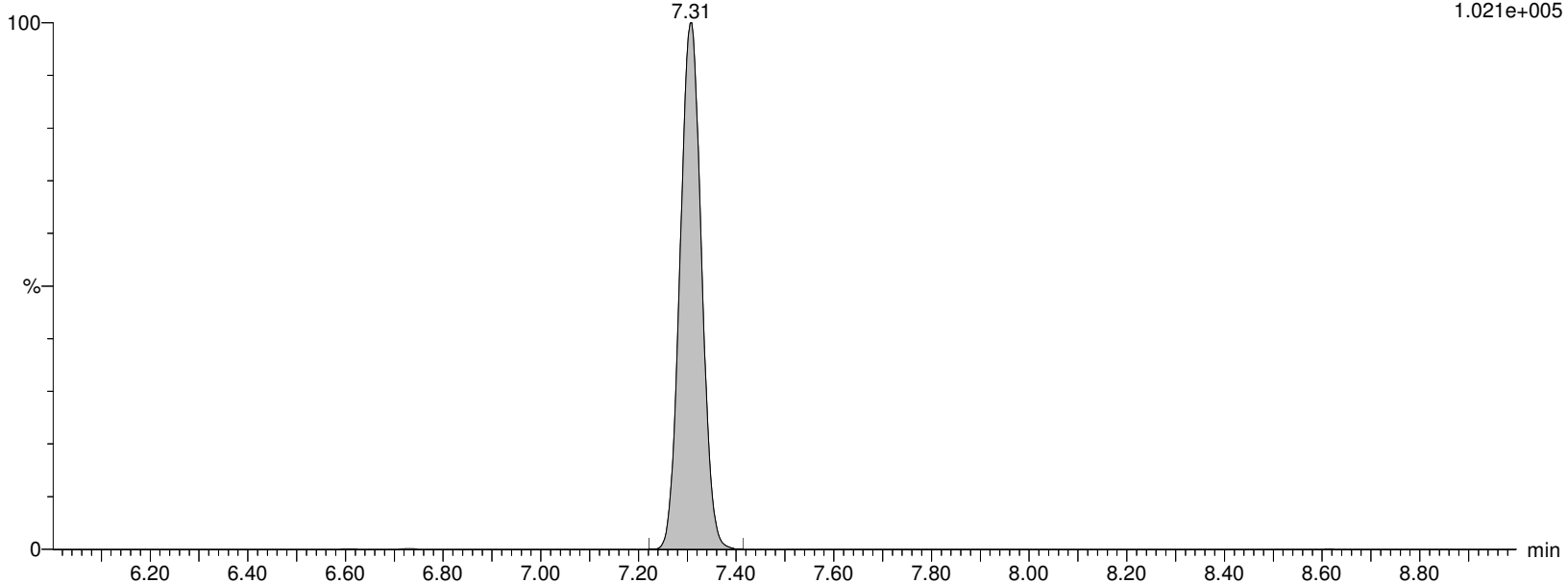
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.021e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

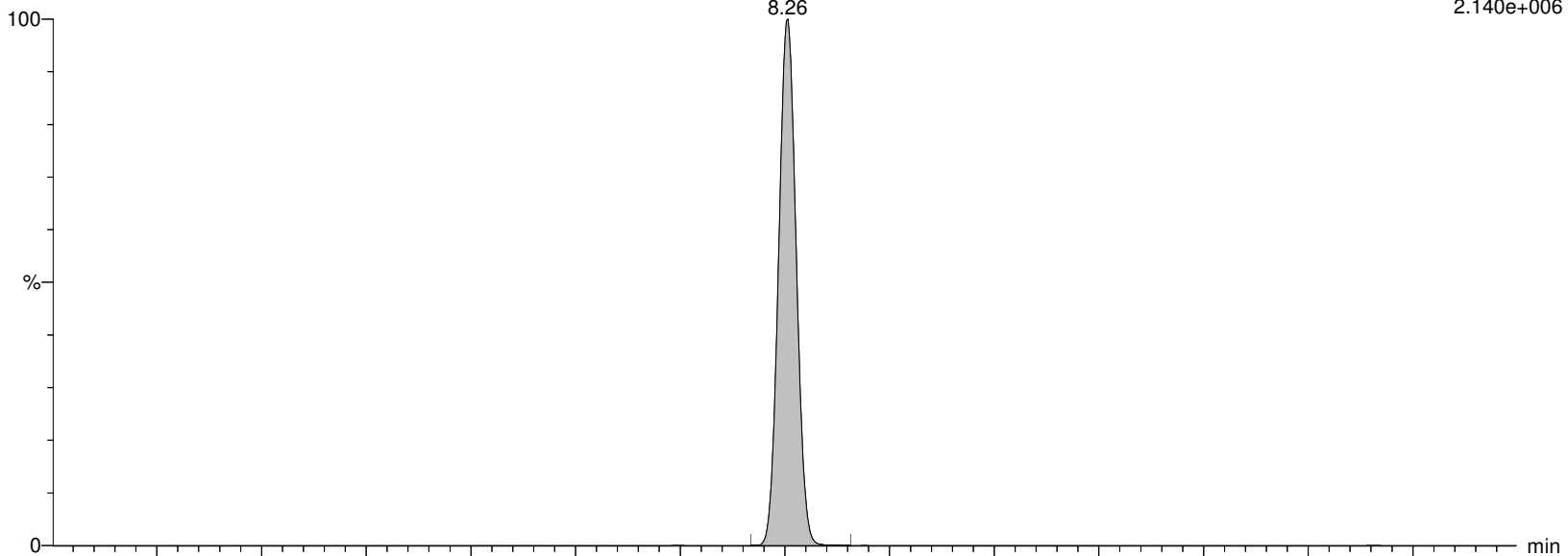
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F15:MRM of 2 channels,ES-

362.926 > 319.014

2.140e+006



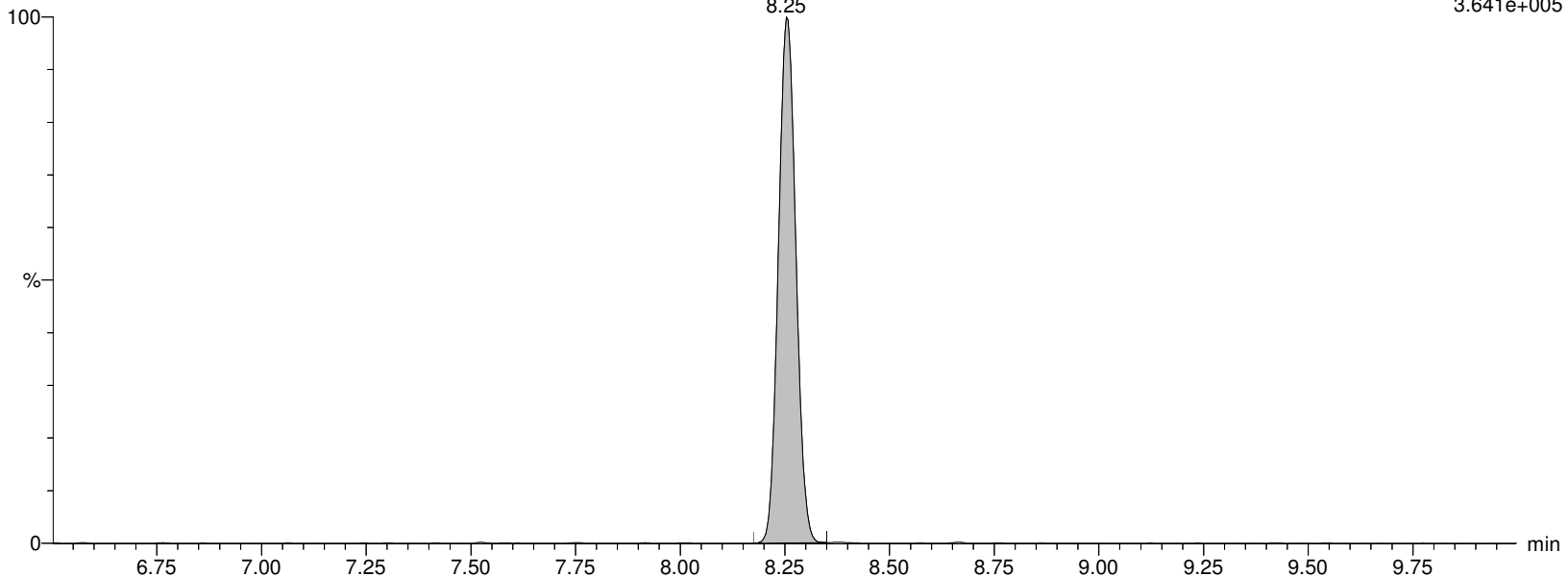
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F15:MRM of 2 channels,ES-

362.926 > 169.12

3.641e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

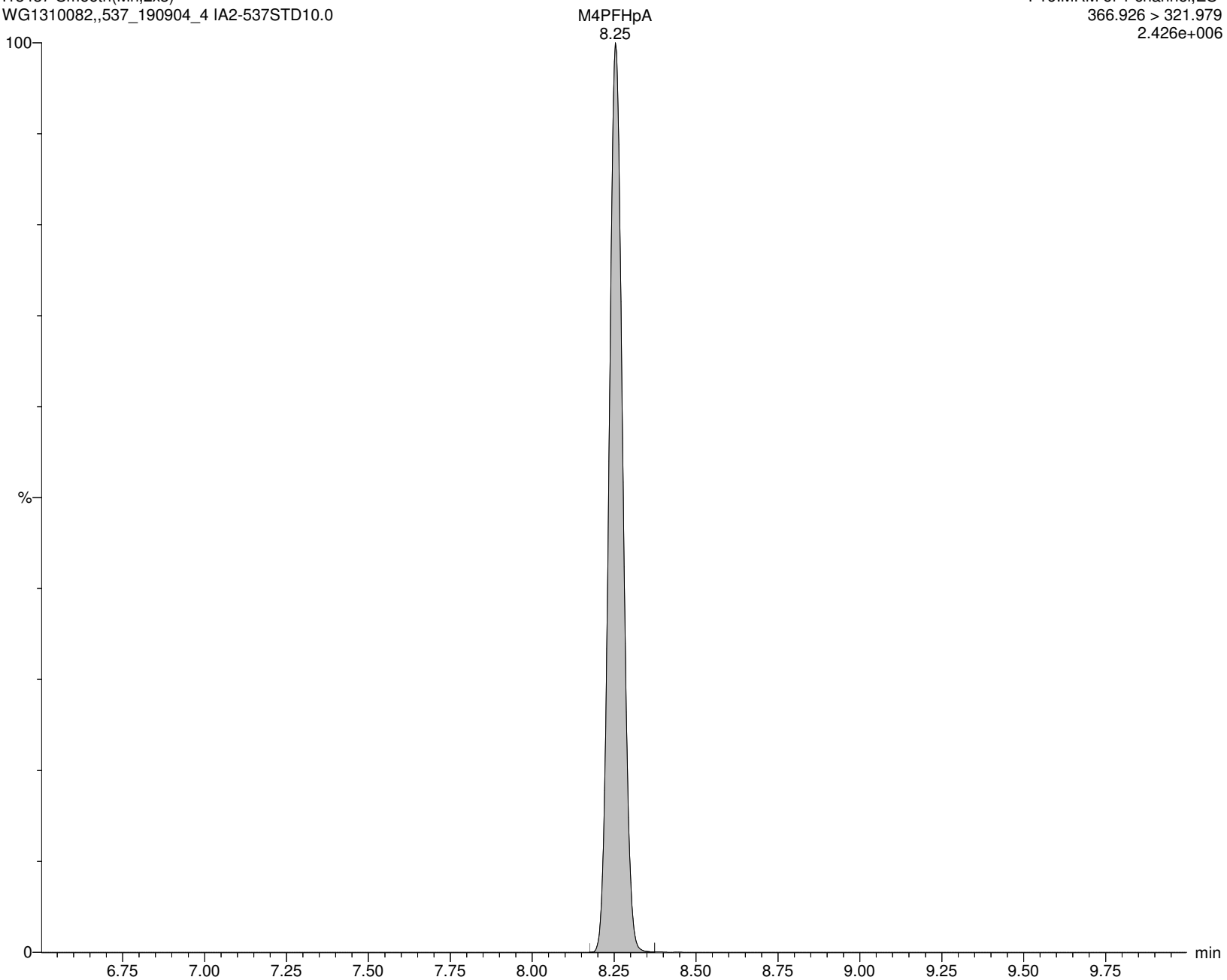
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.426e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

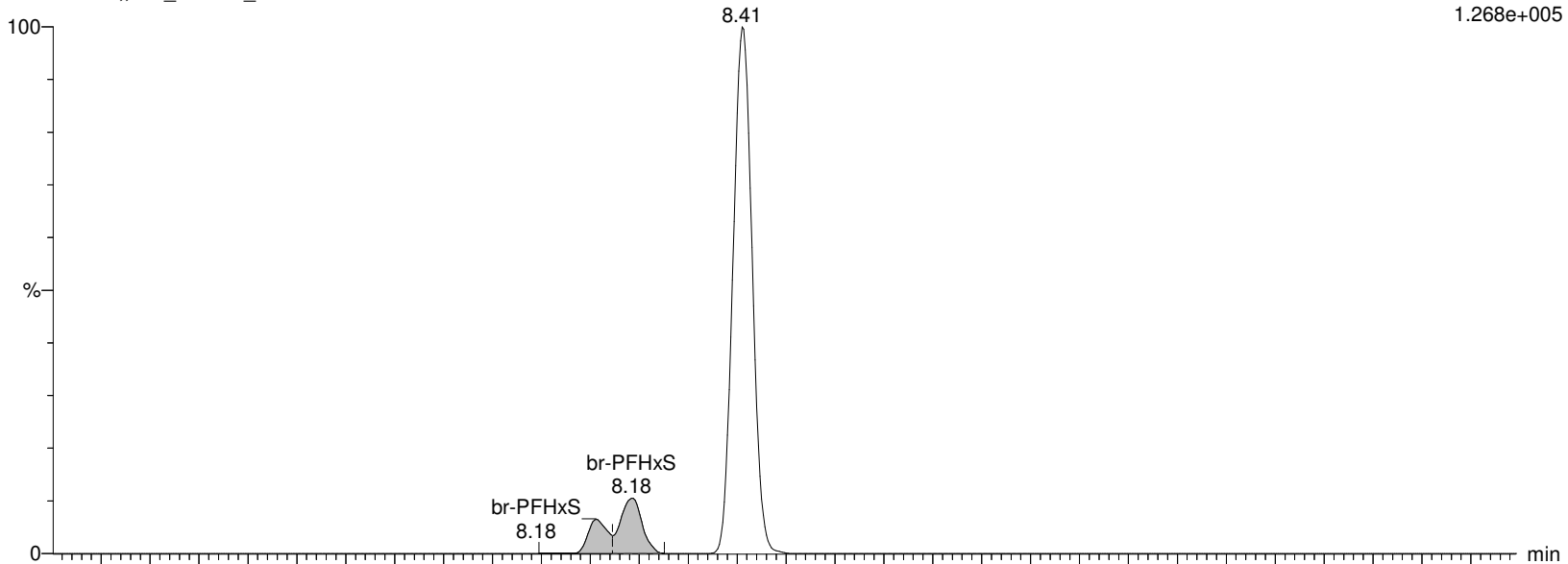
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.268e+005



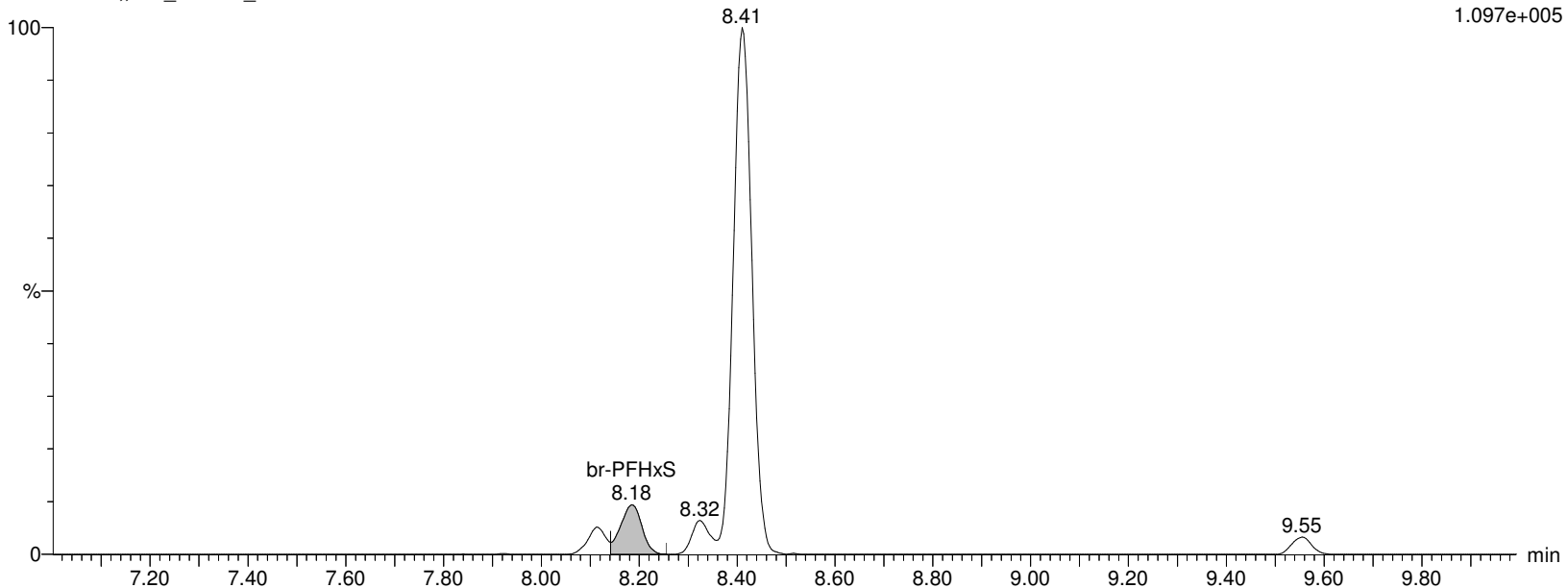
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WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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L-PFHxS

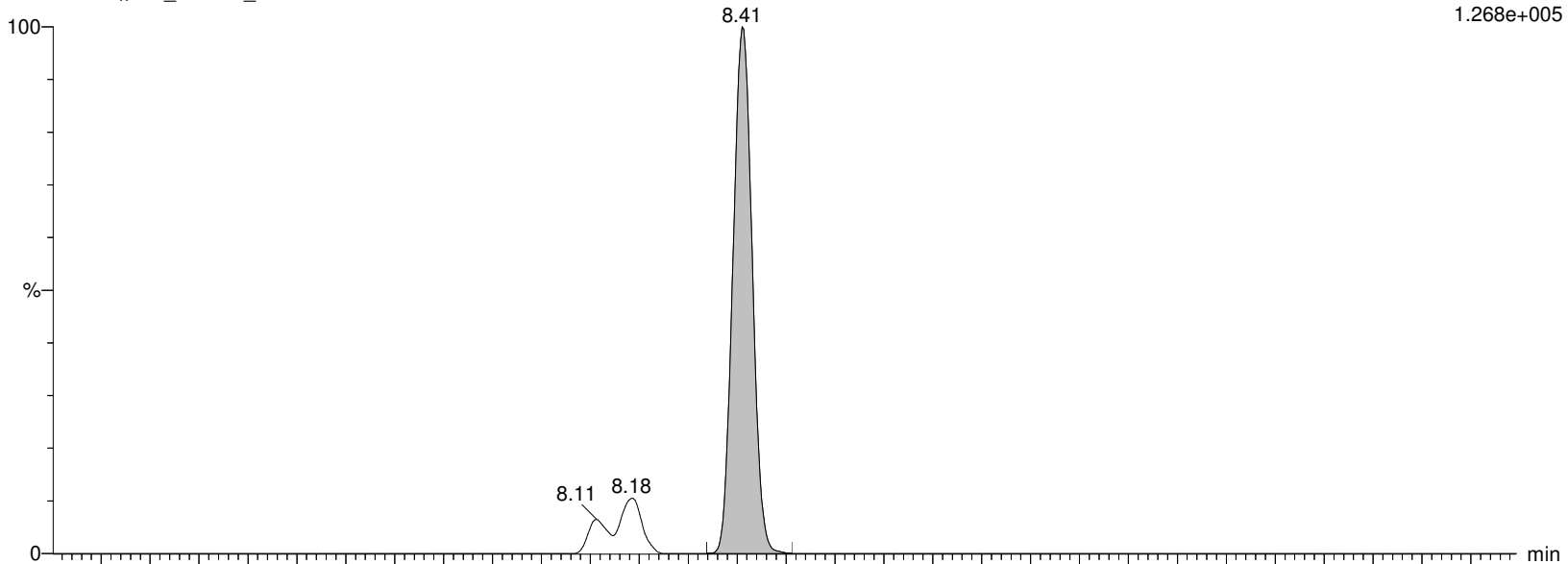
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WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.268e+005



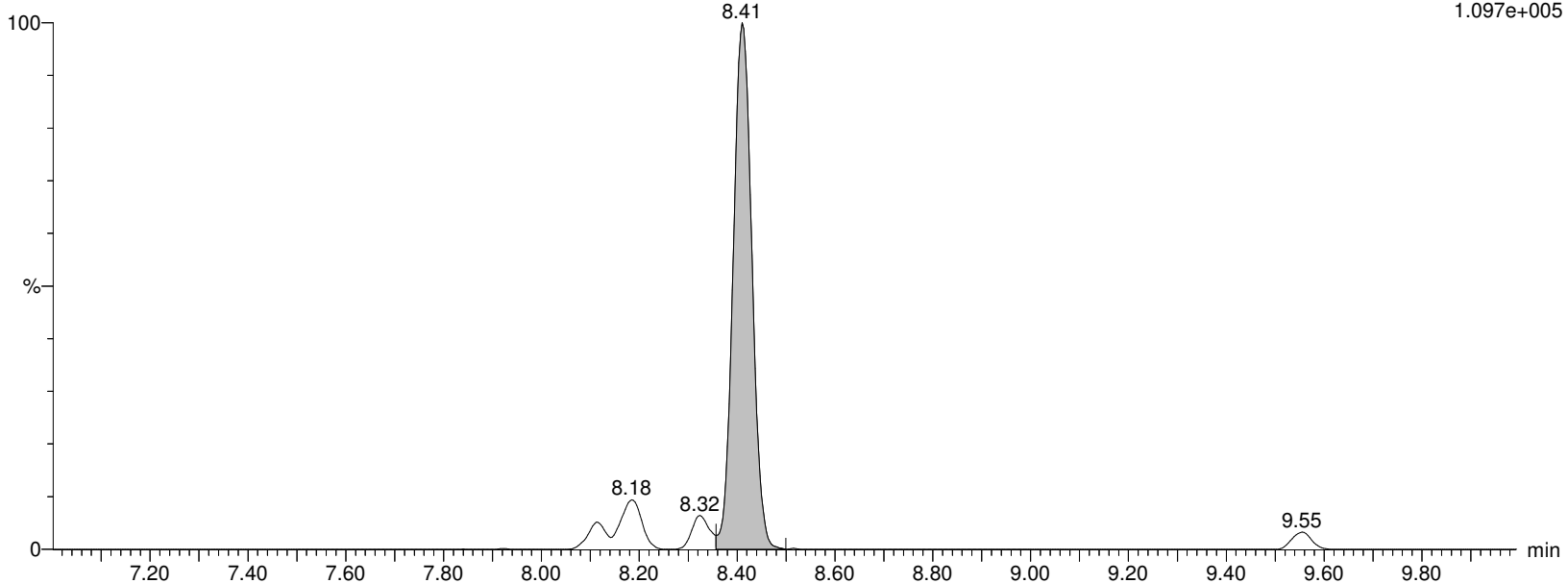
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WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

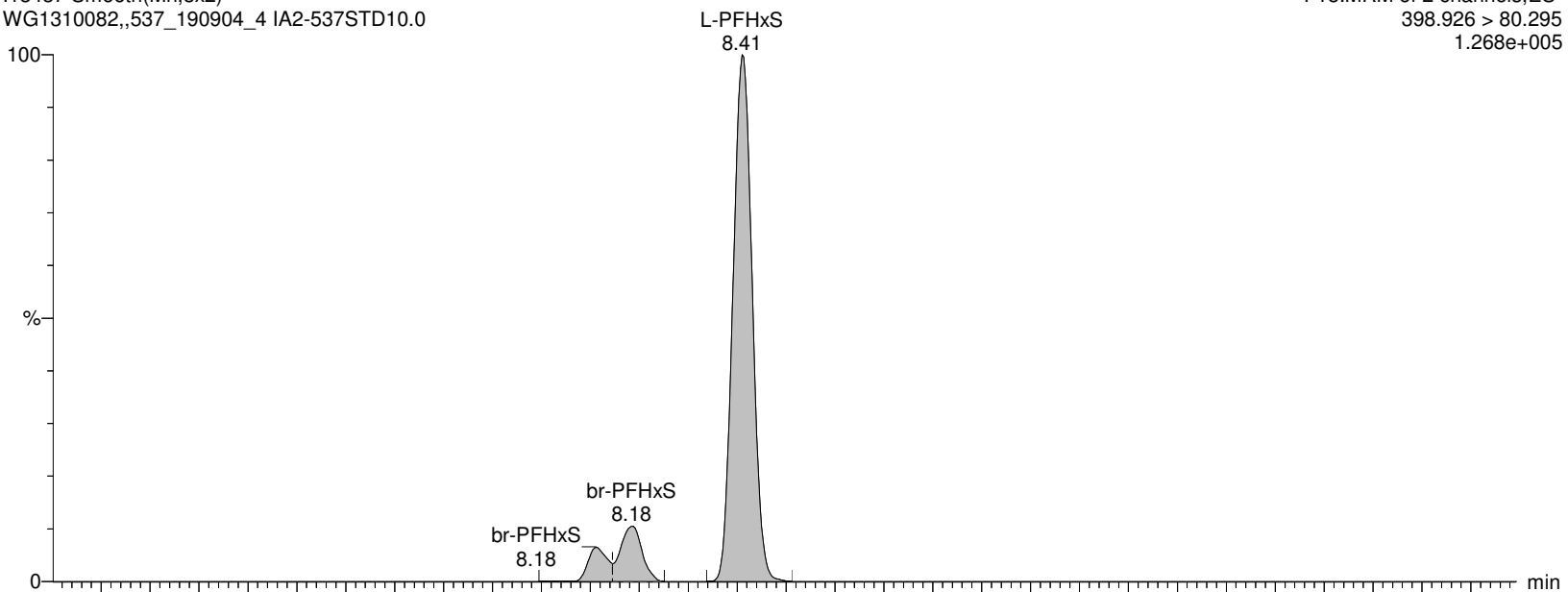
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WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.268e+005



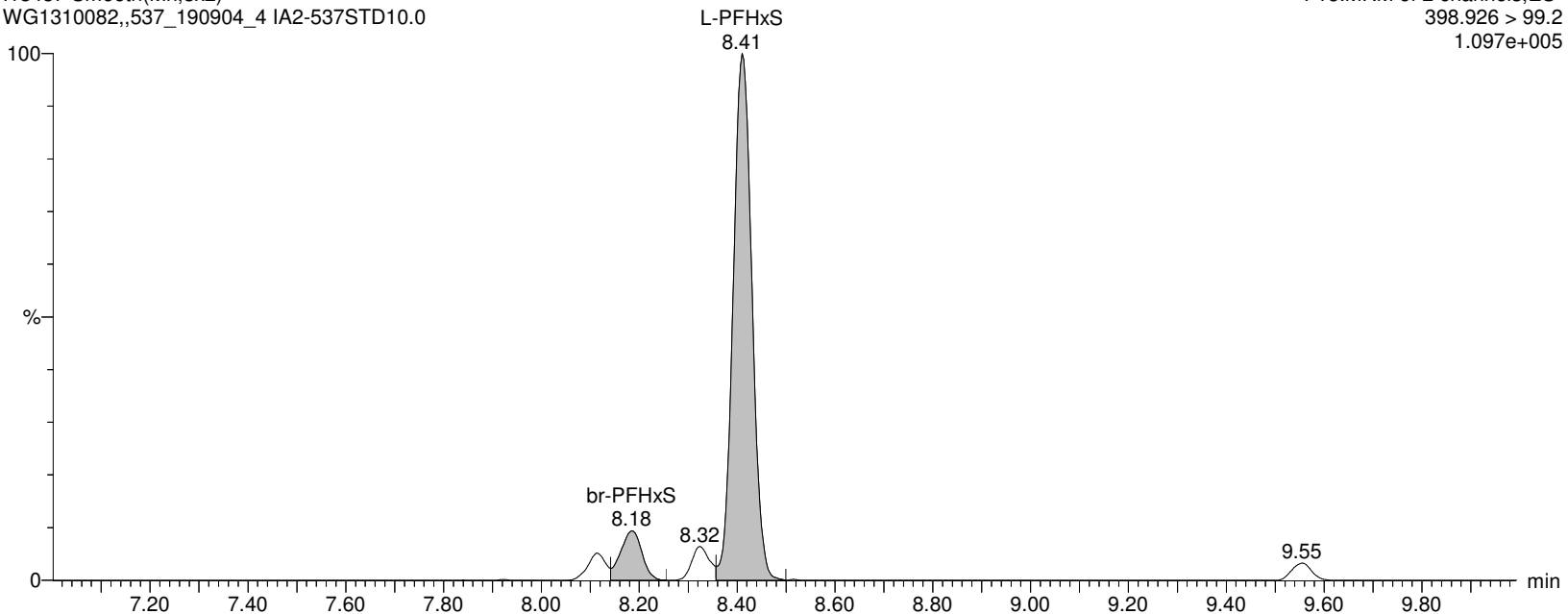
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WG1310082,,537_190904_4 IA2-537STD10.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Date: 18-Nov-2019

Time: 11:26:51

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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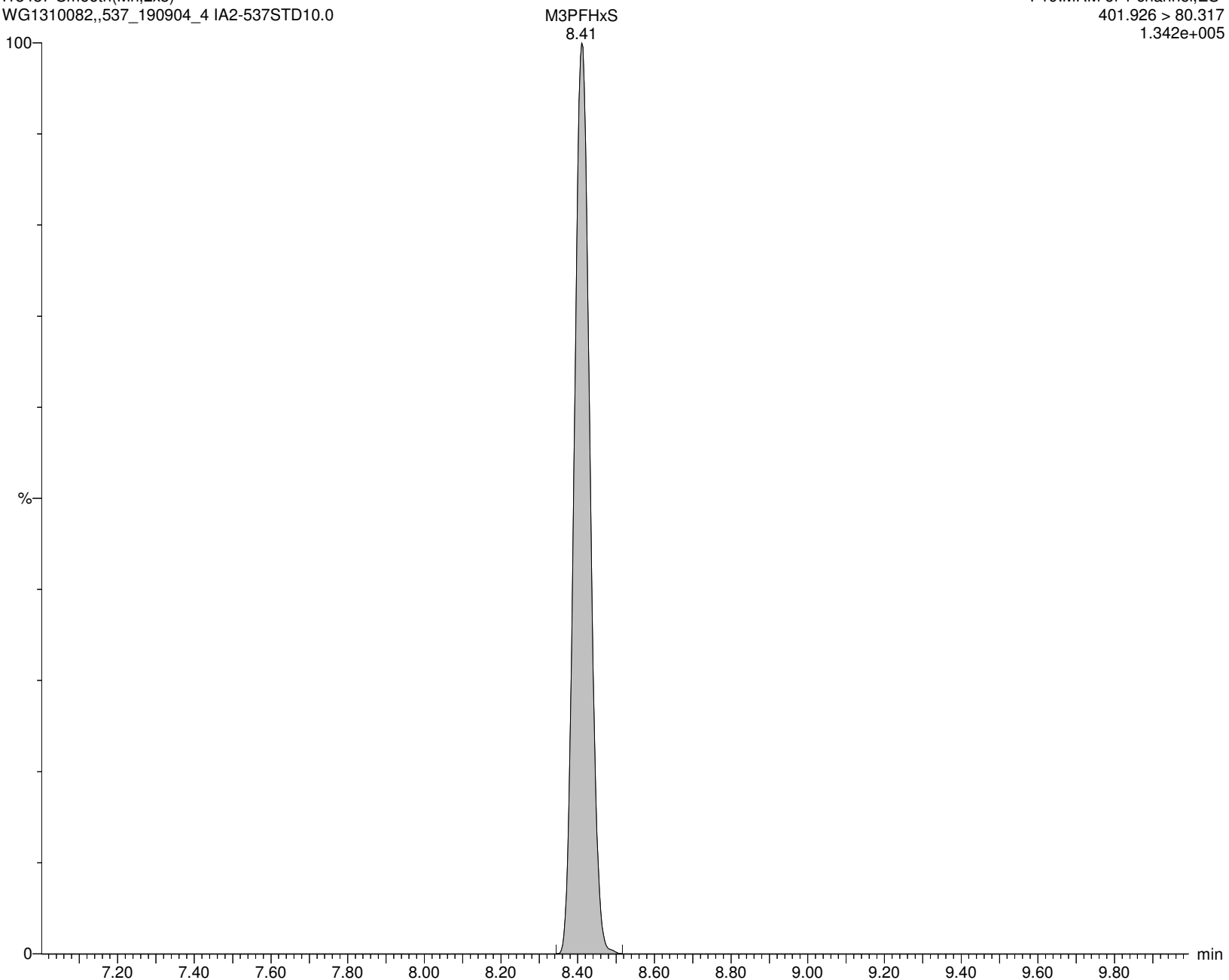
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.342e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

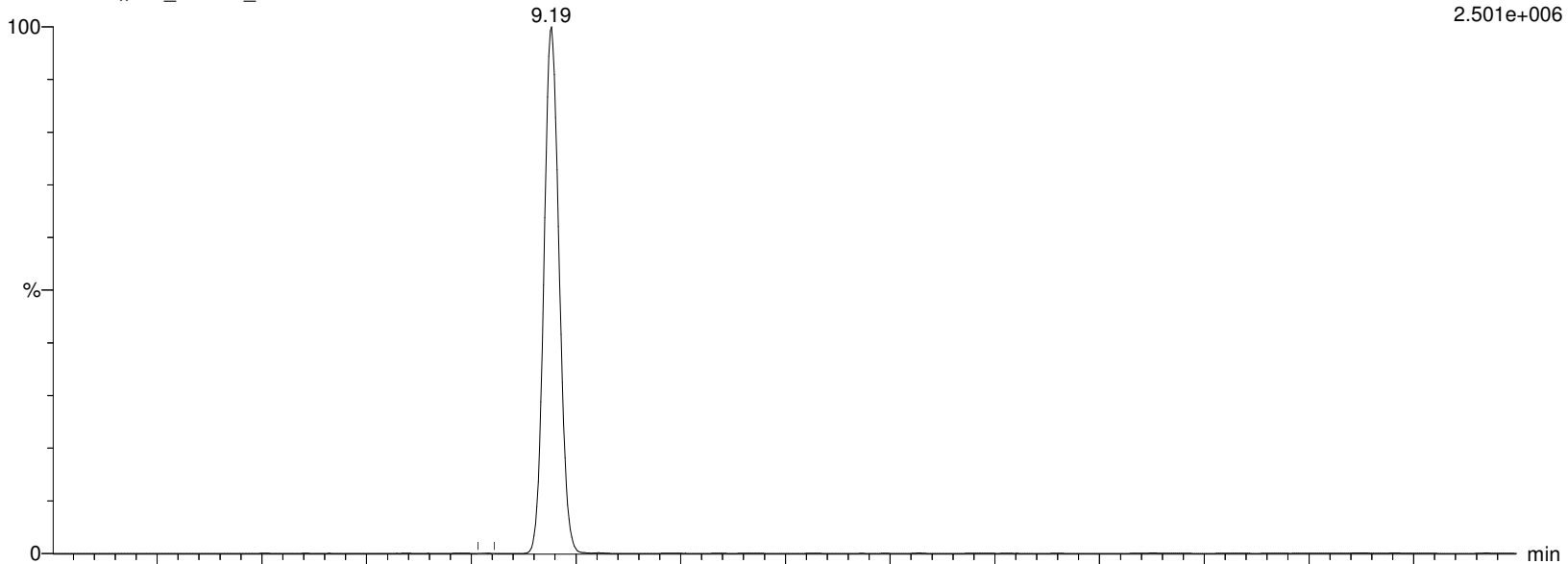
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.501e+006



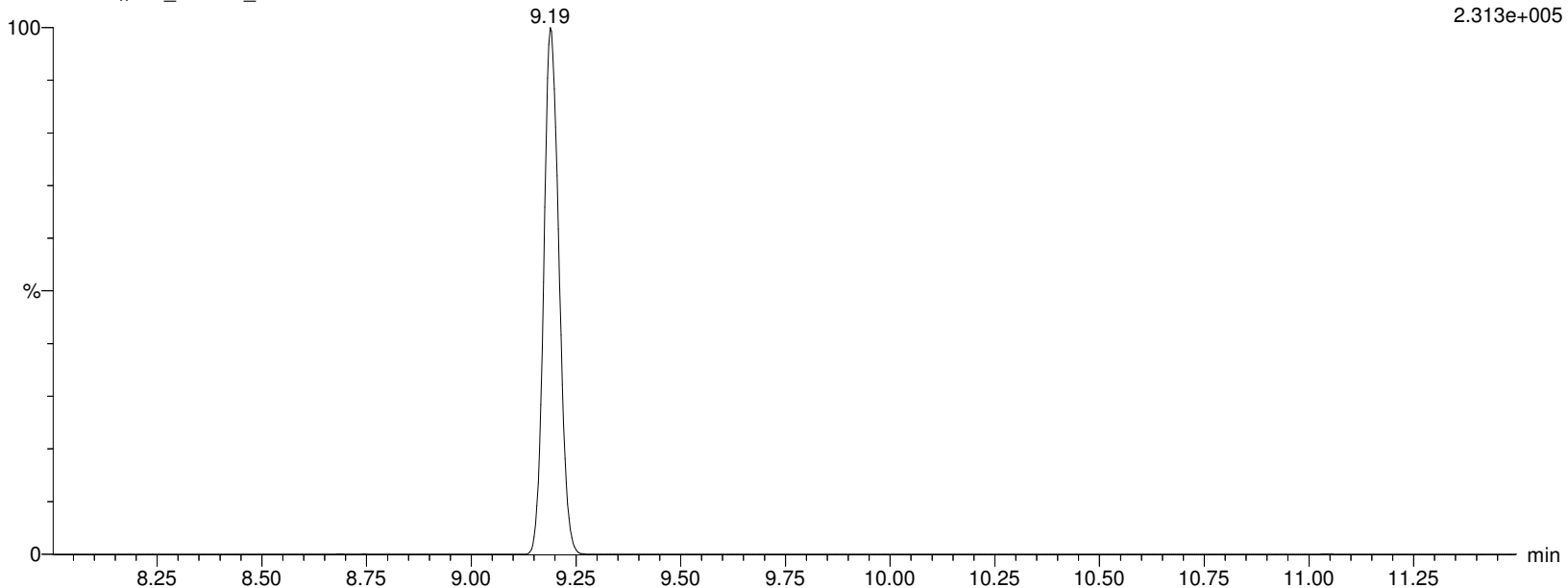
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.313e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

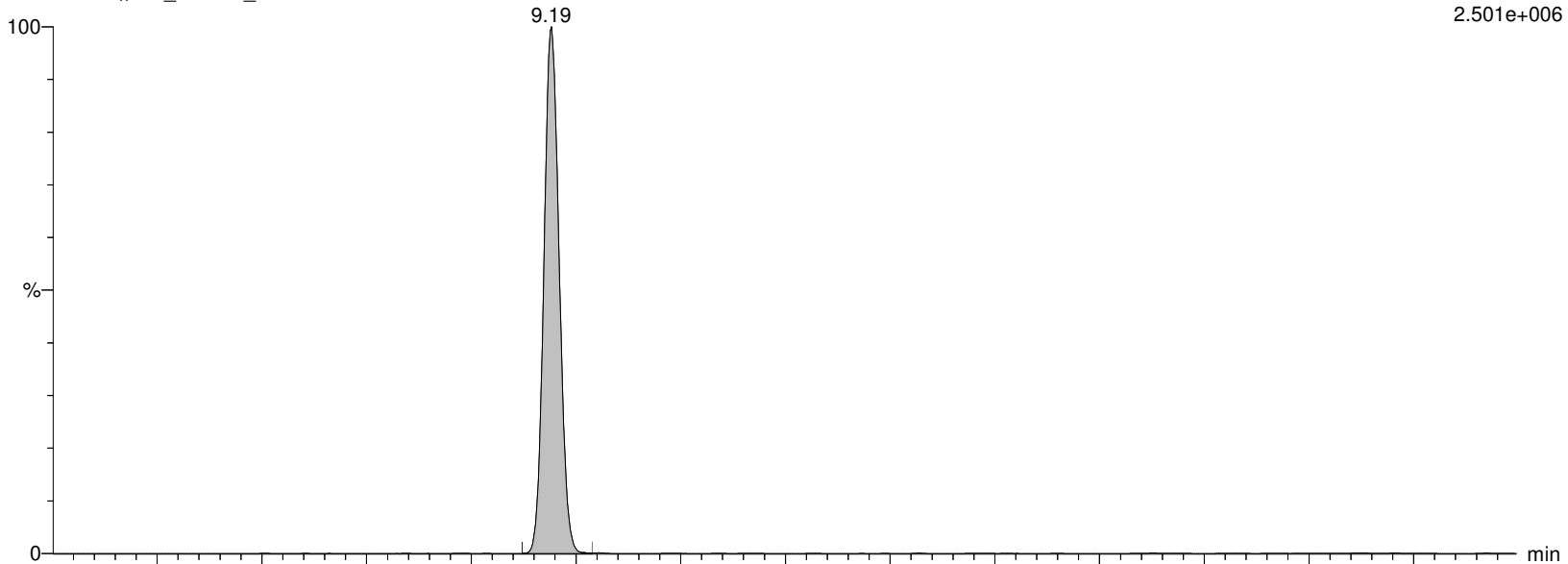
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.501e+006



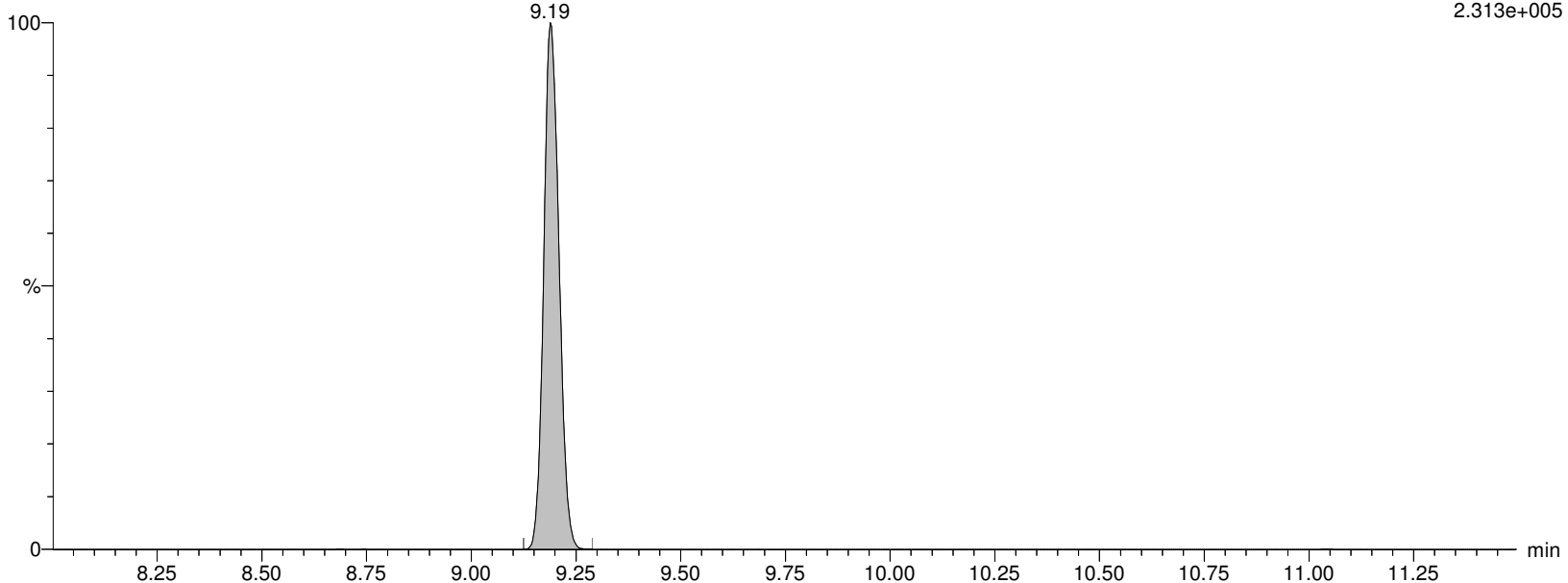
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.313e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

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PFOA

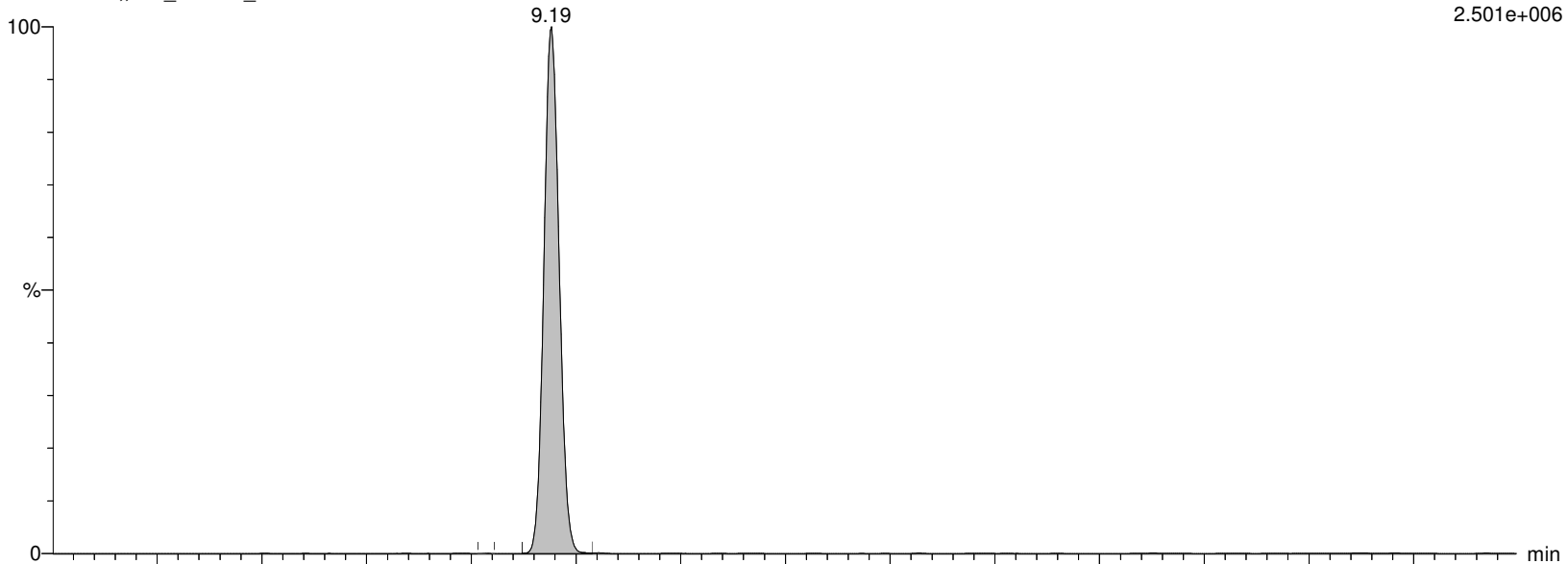
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WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.501e+006



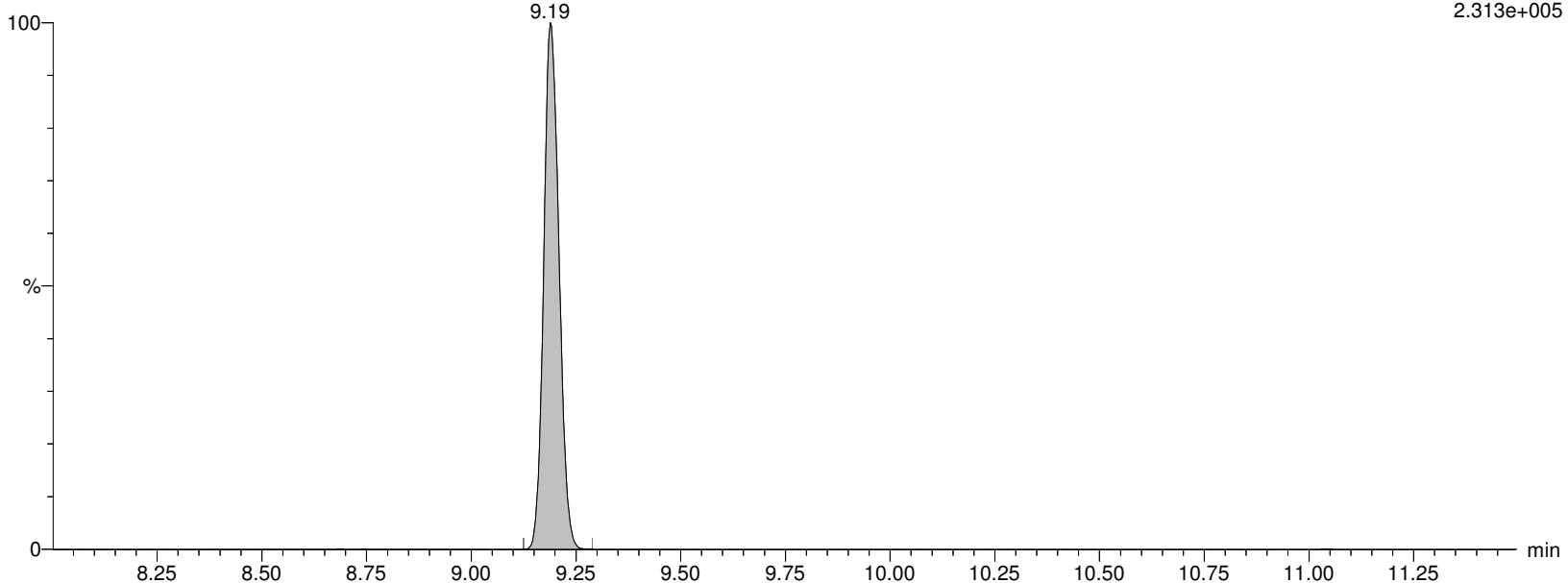
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.313e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13437 Smooth(Mn,2x3)

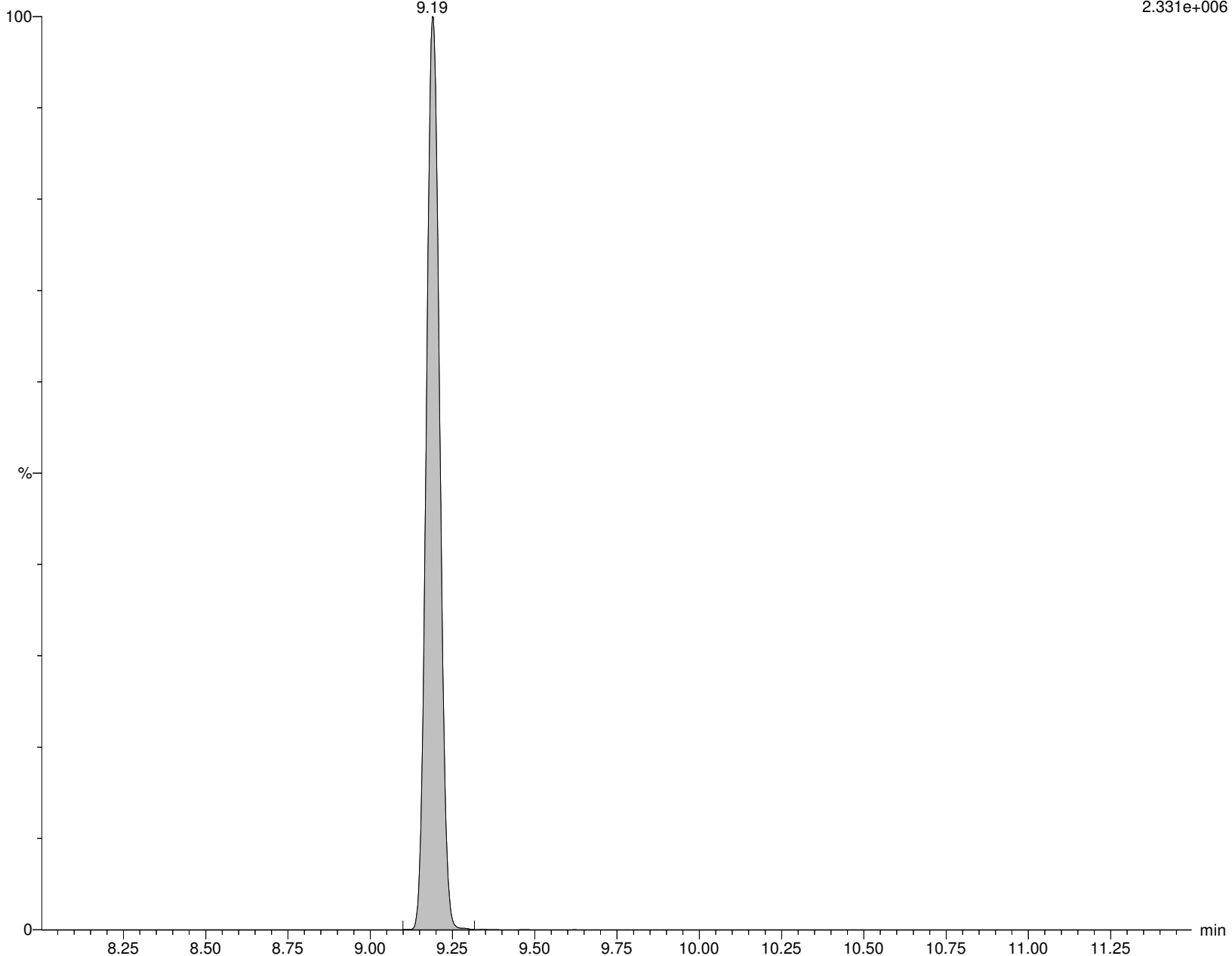
WG1310082,,537_190904_4 IA2-537STD10.0

M8PFOA
9.19

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.331e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13437 Smooth(Mn,2x2)

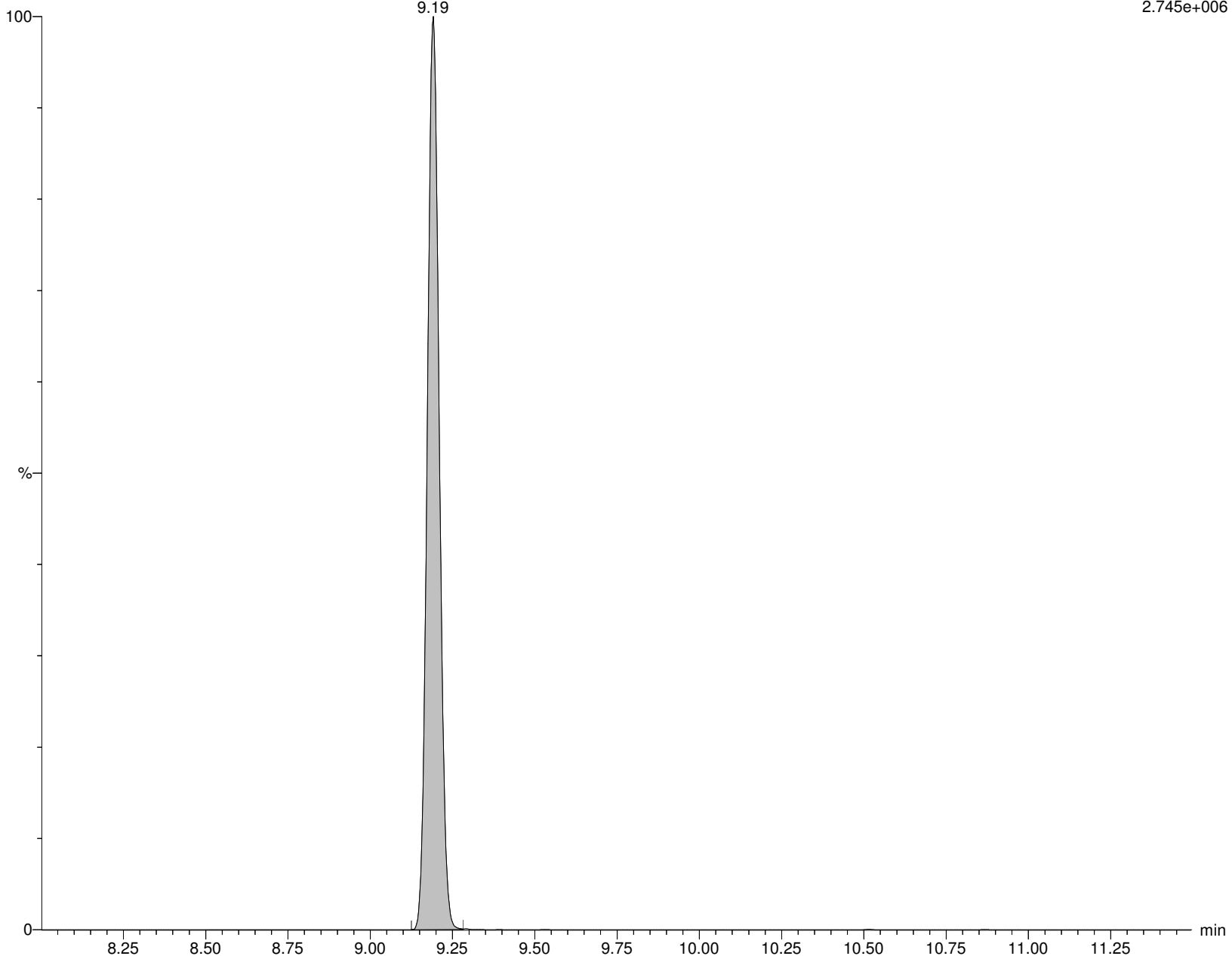
WG1310082,,537_190904_4 IA2-537STD10.0

M2PFOA
9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.745e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

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6:2FTS

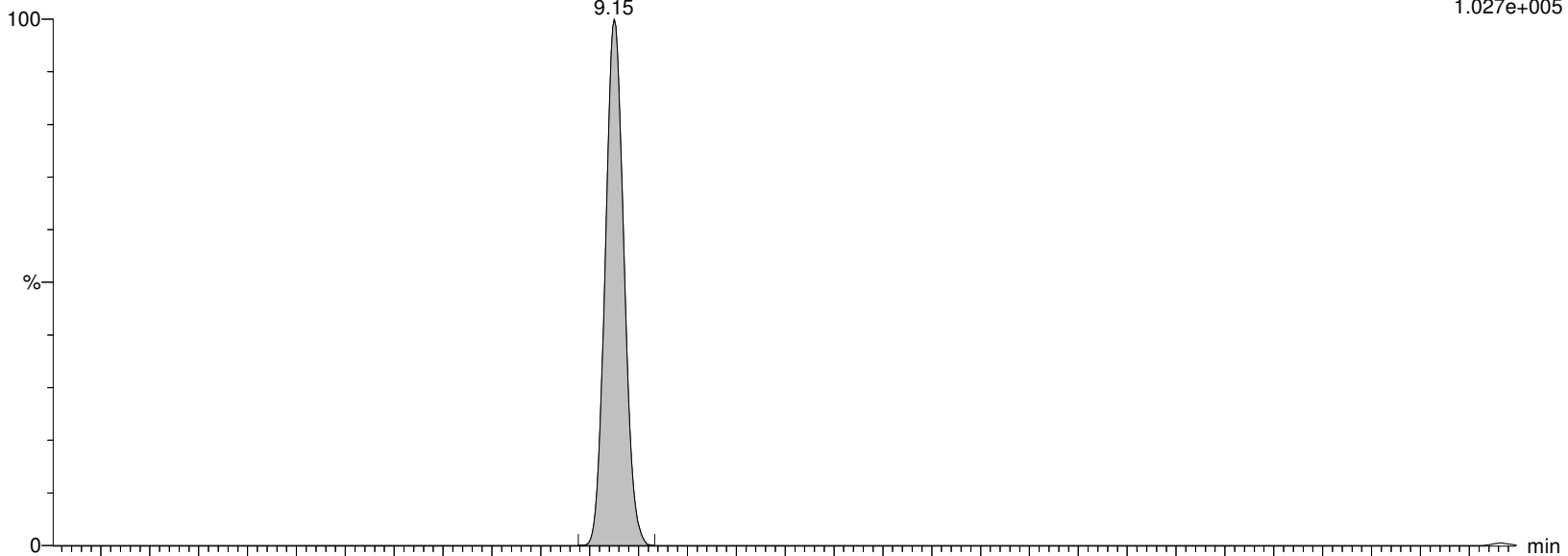
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F23:MRM of 3 channels,ES-

426.989 > 406.921

1.027e+005



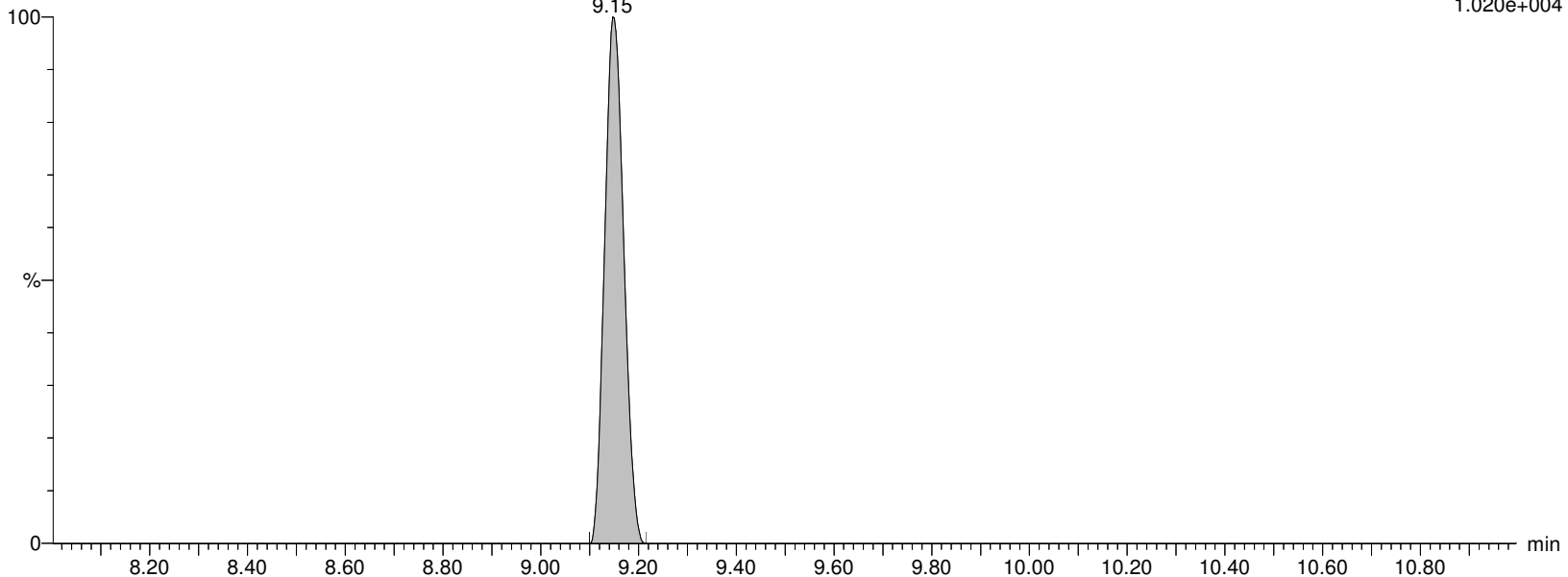
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F23:MRM of 3 channels,ES-

426.862 > 80.5

1.020e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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M2-6:2FTS

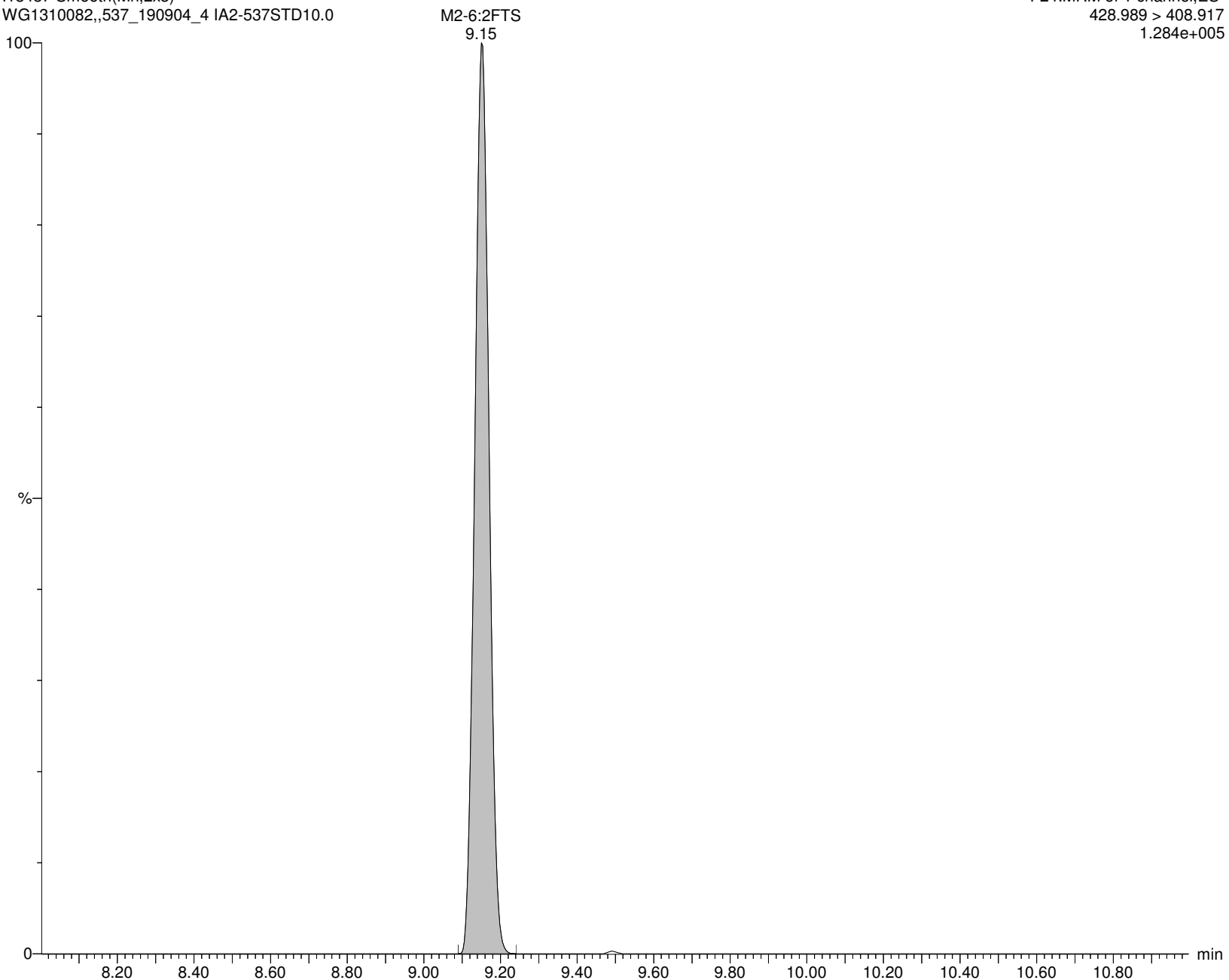
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.284e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

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Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

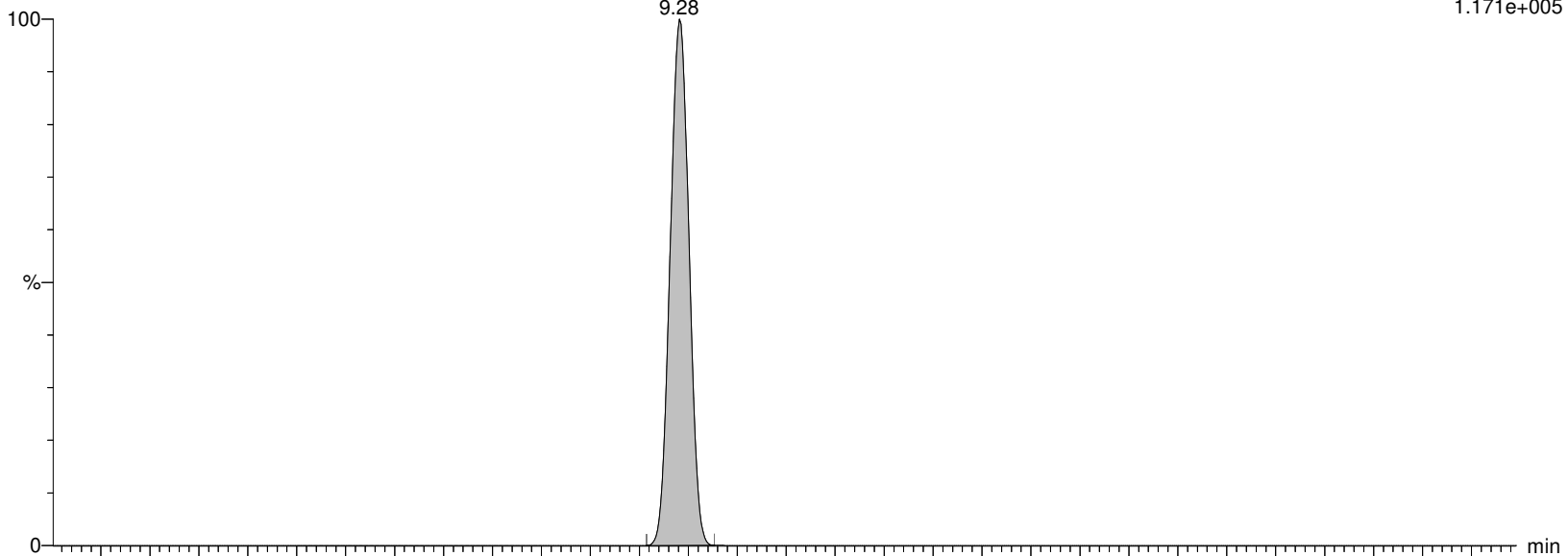
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.171e+005



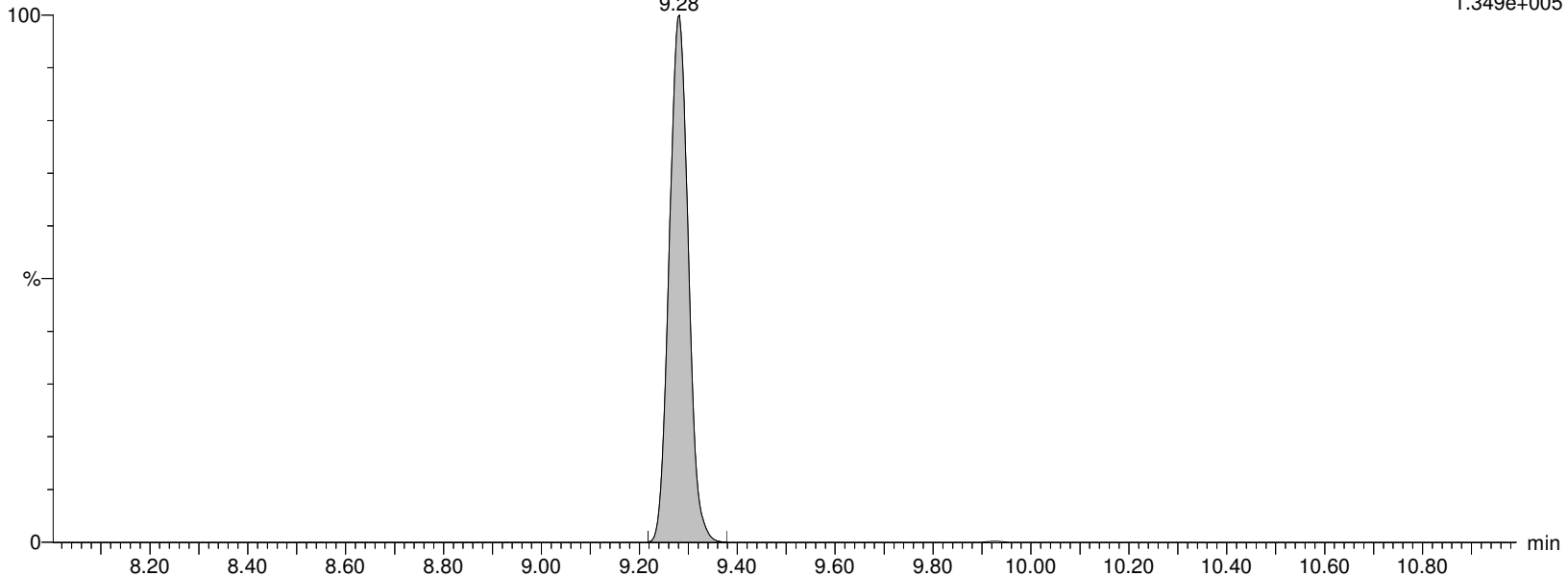
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.349e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

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Date: 18-Nov-2019

Time: 11:26:51

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

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Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

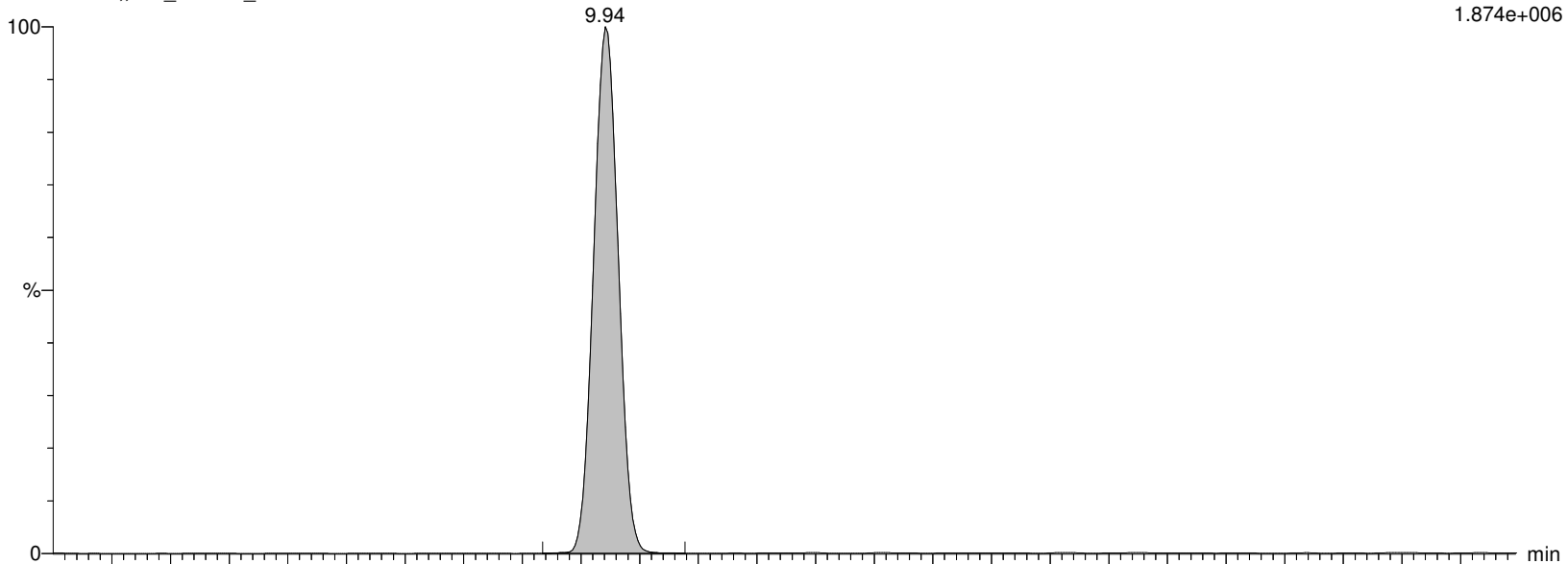
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WG1310082,,537_190904_4 IA2-537STD10.0

F26:MRM of 2 channels,ES-

462.989 > 418.931

1.874e+006



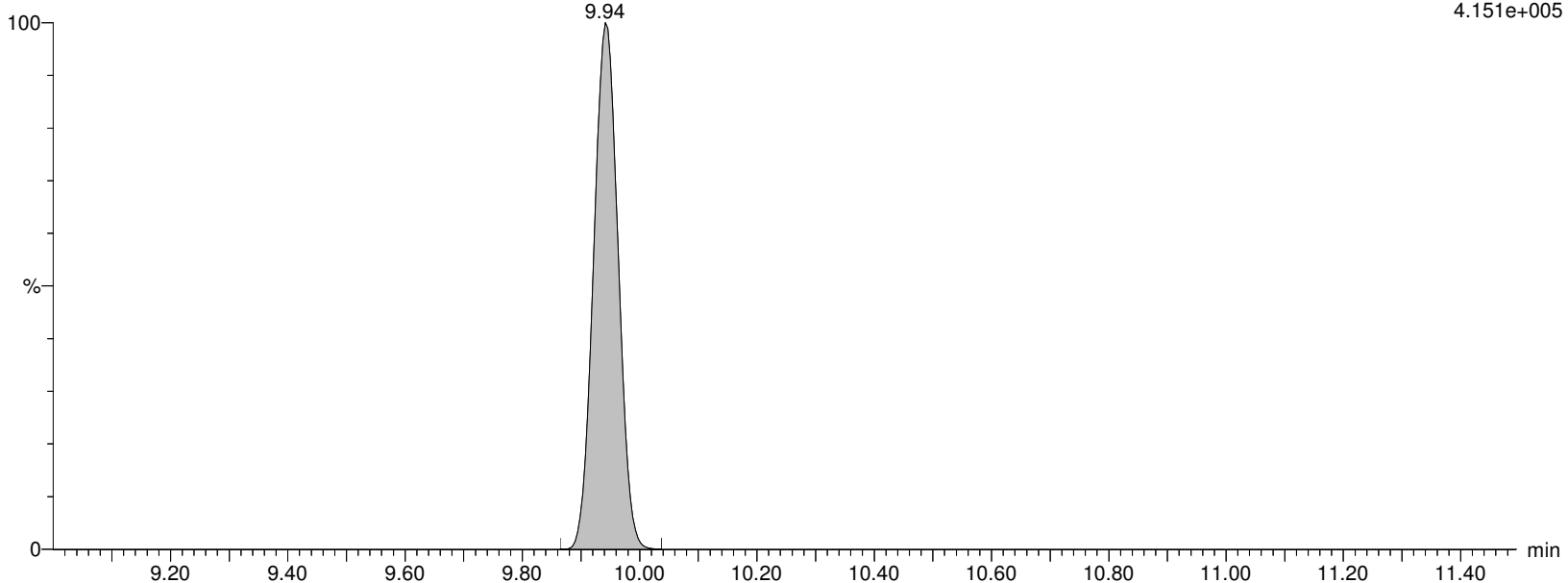
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F26:MRM of 2 channels,ES-

462.989 > 219.04

4.151e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

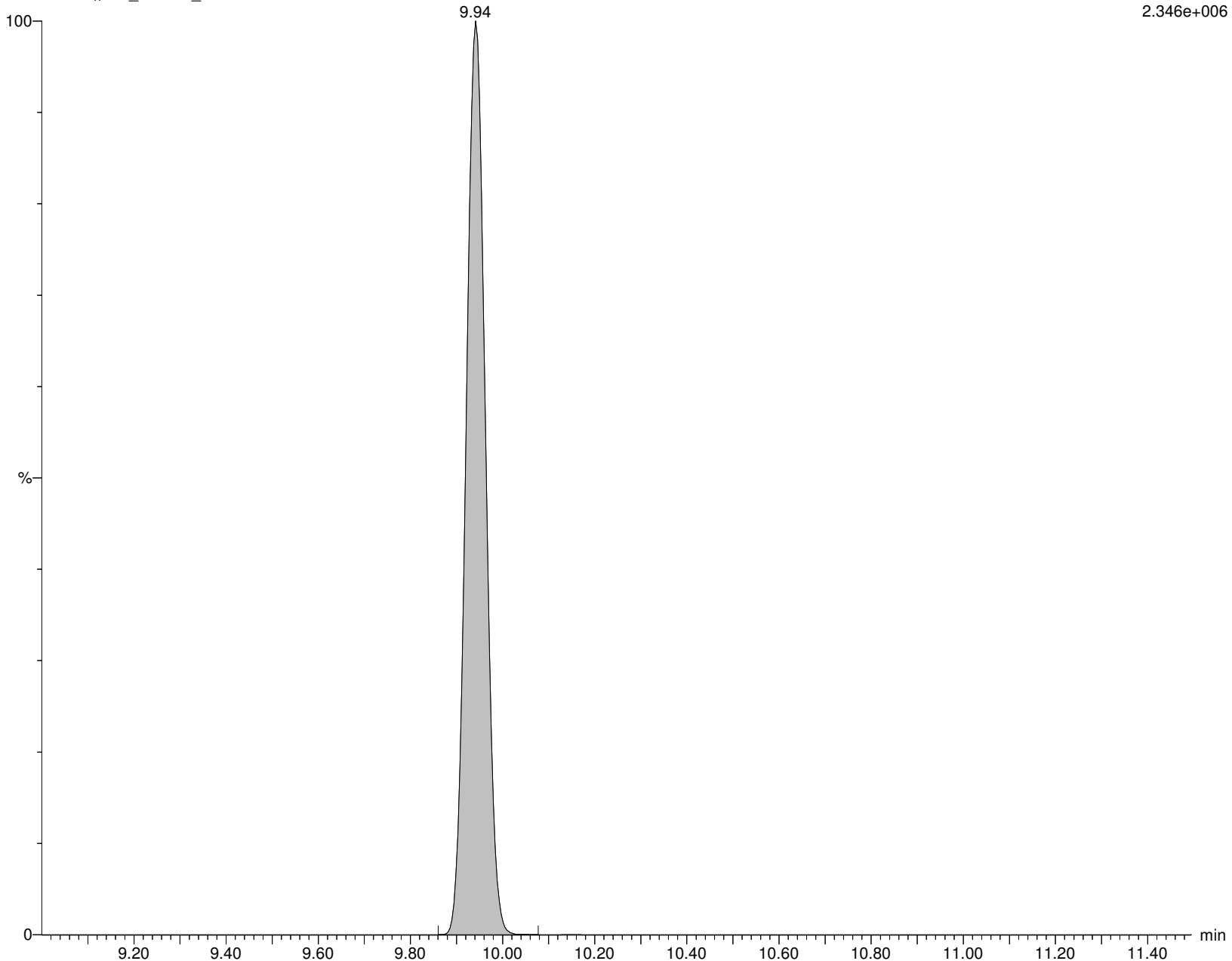
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.346e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

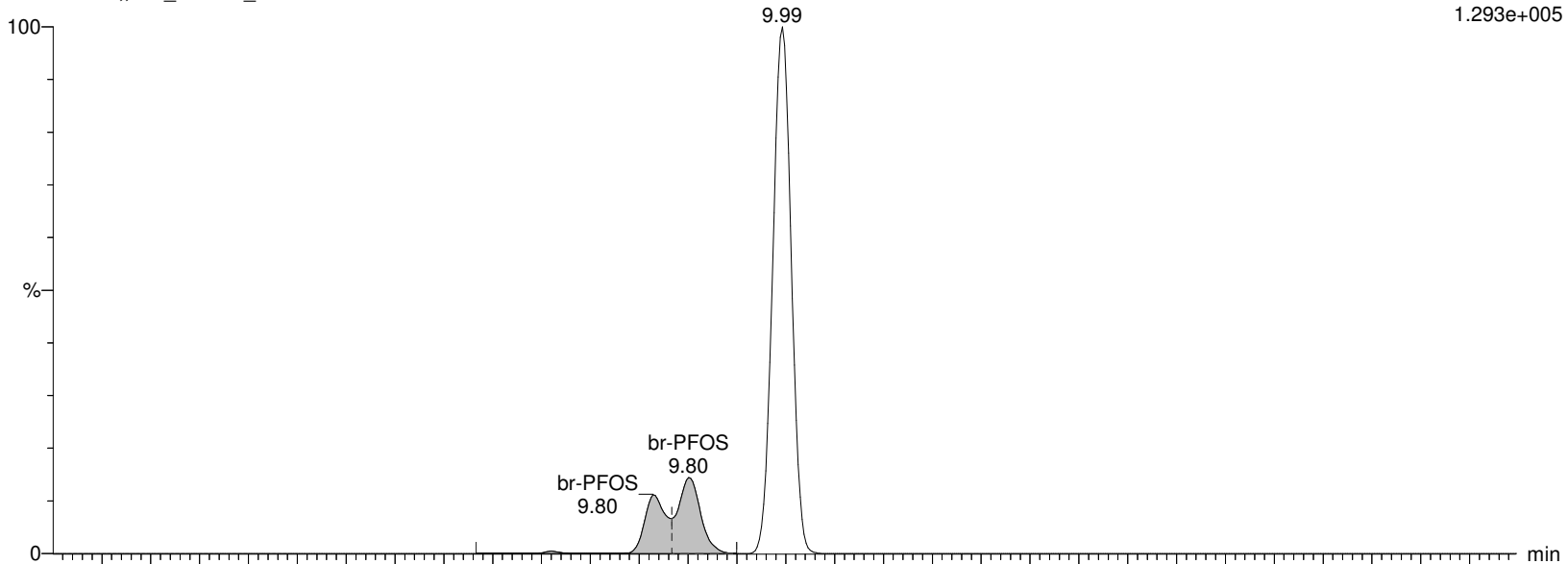
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.293e+005



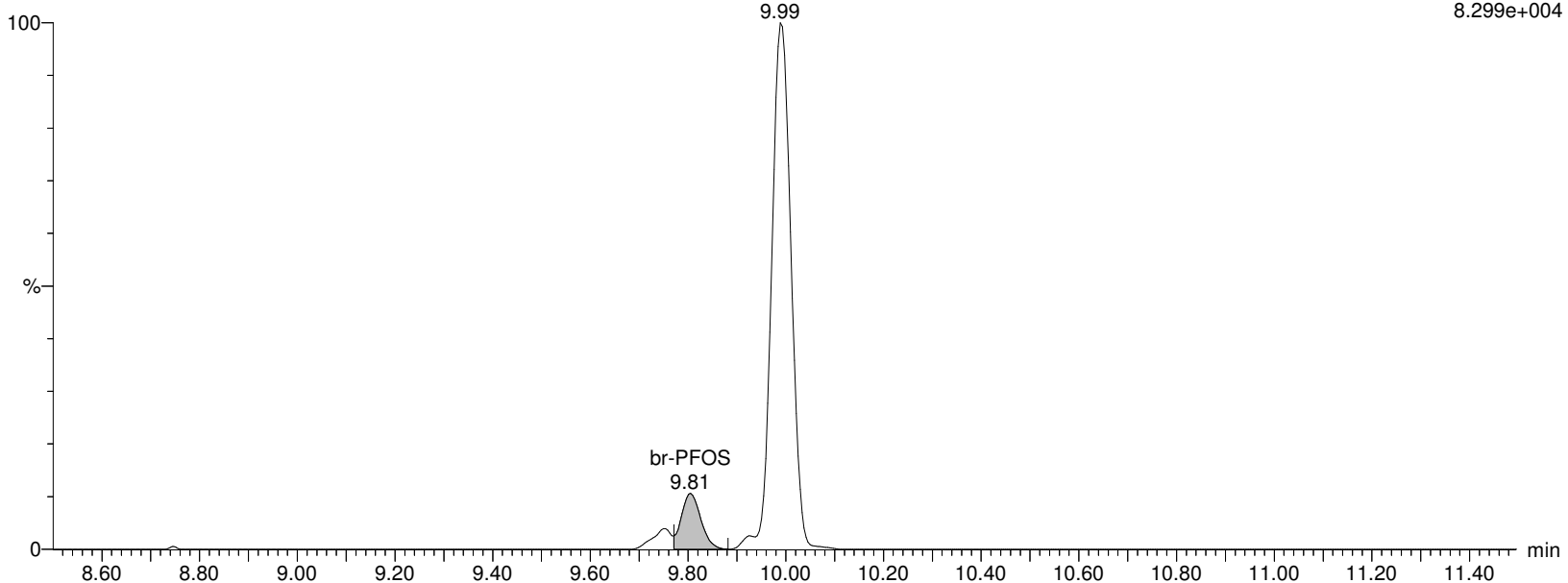
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.299e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

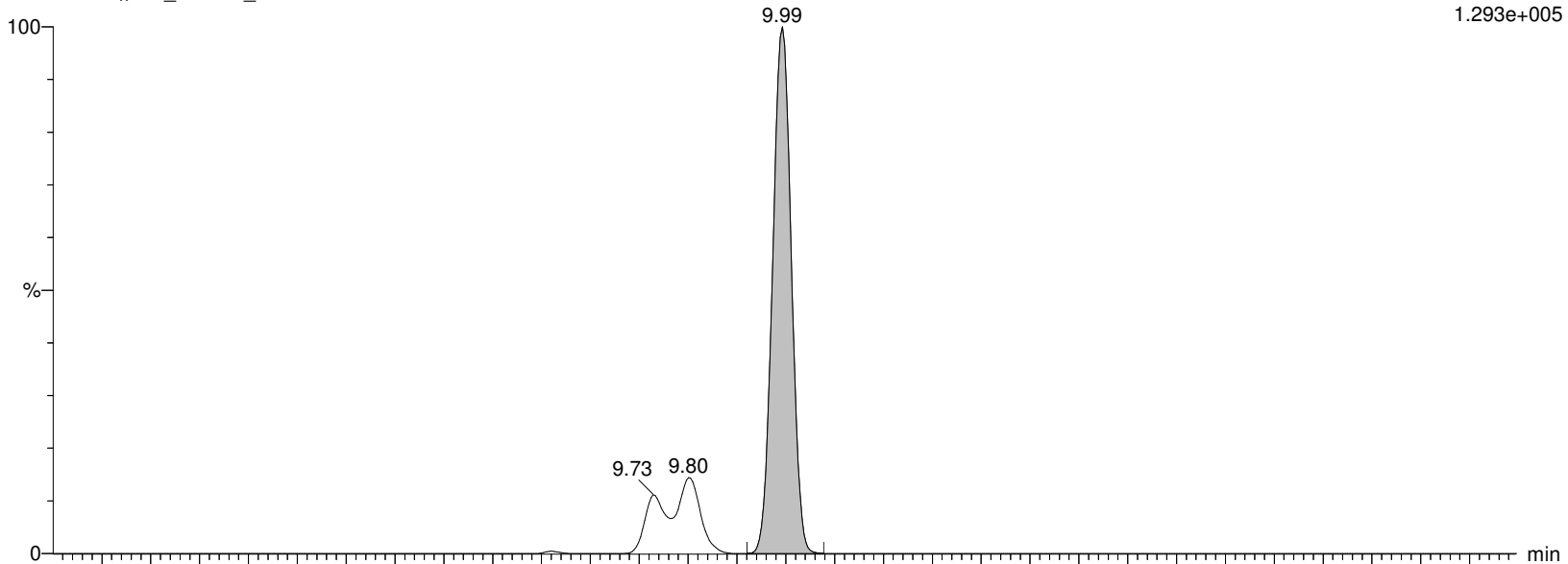
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.293e+005



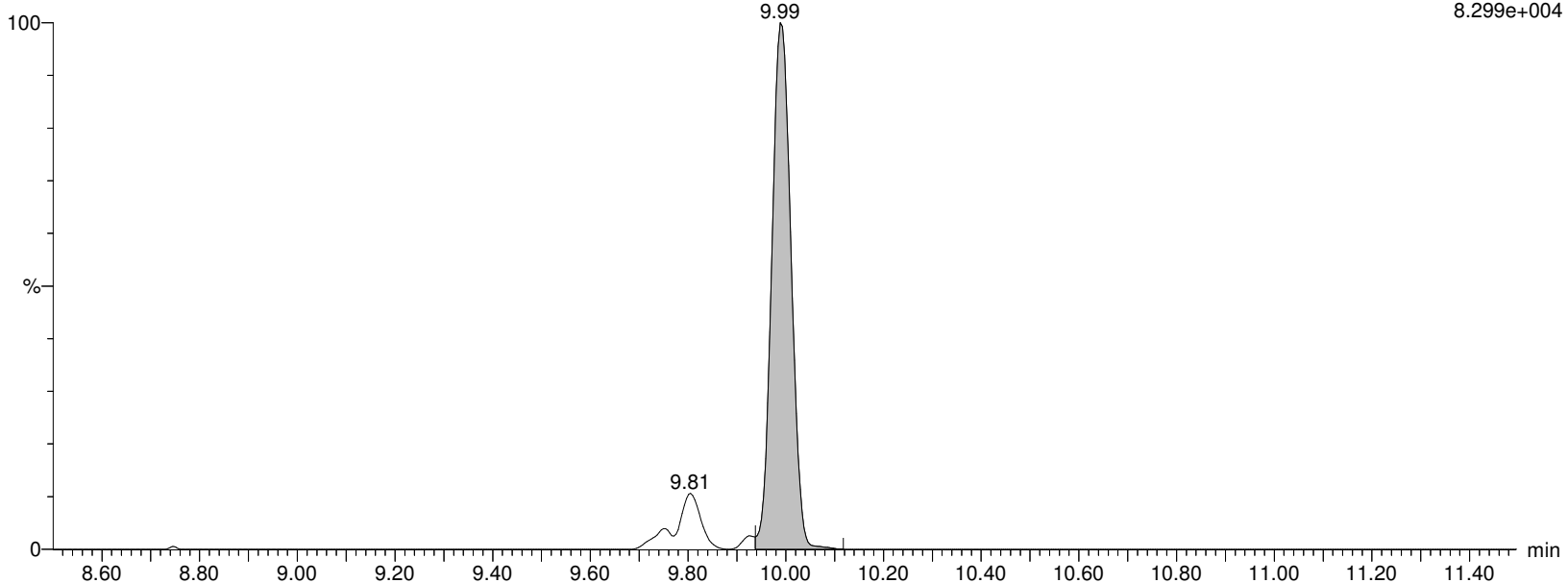
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.299e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

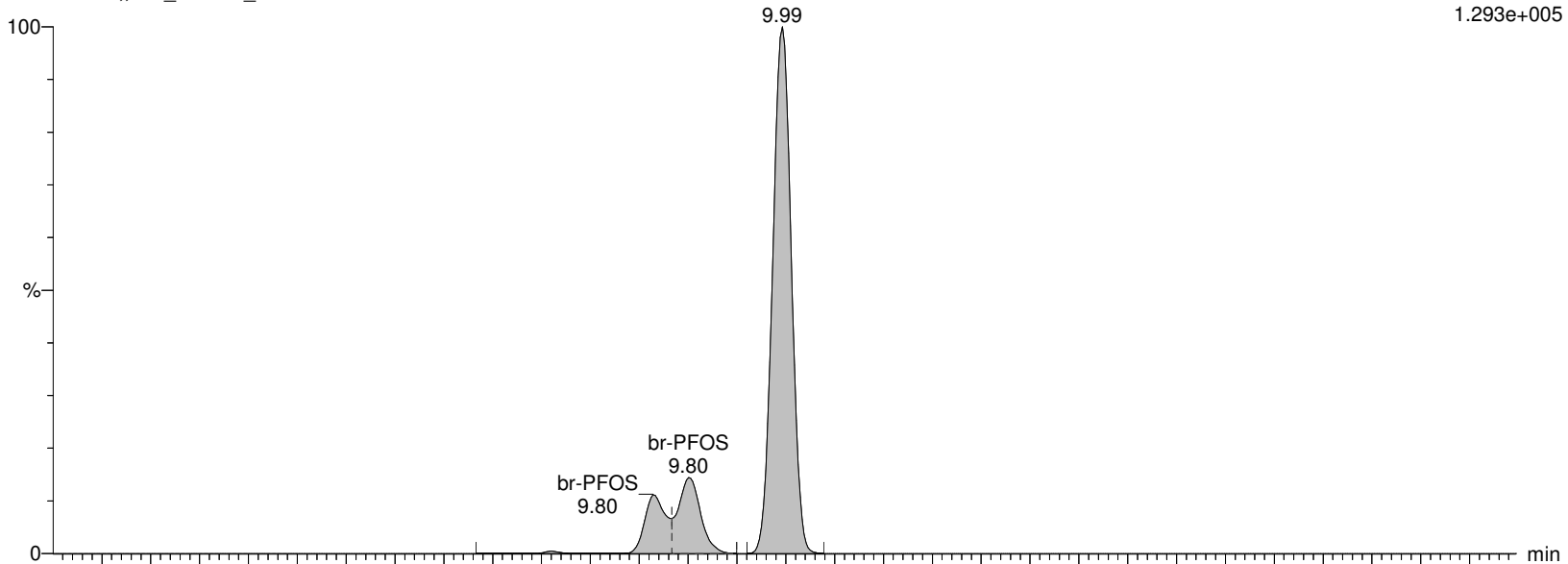
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.293e+005



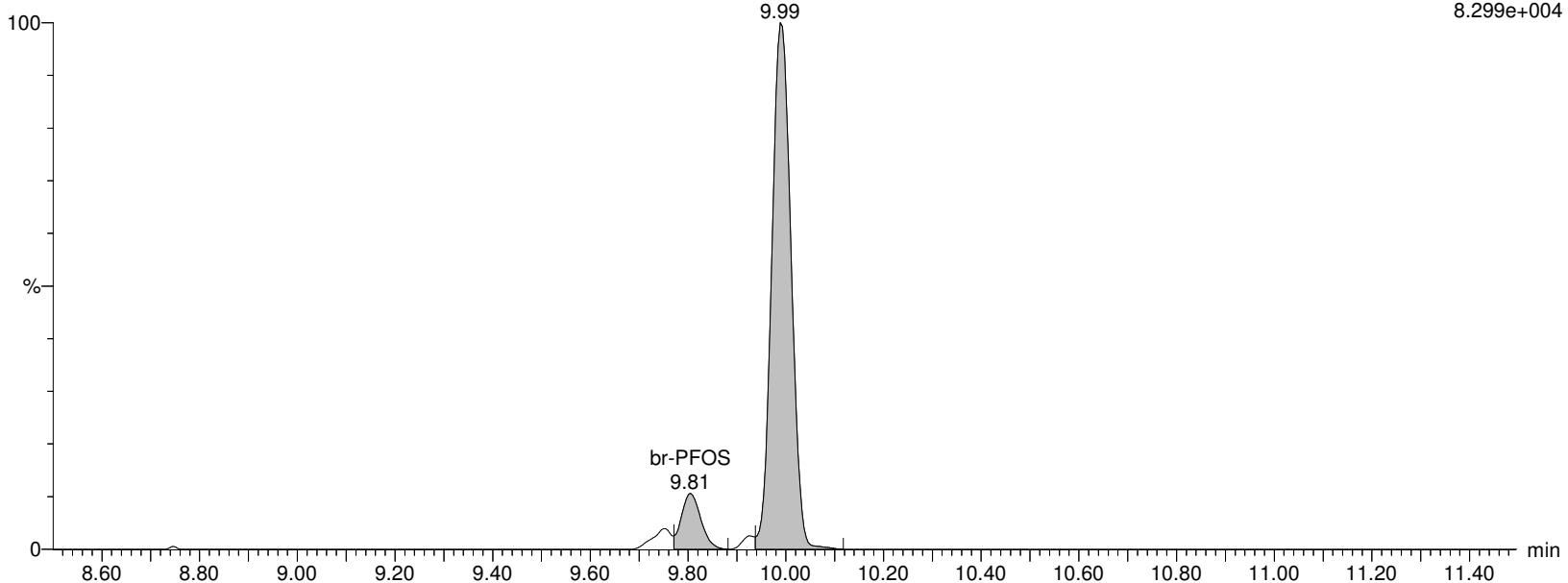
I13437 Smooth(Mn,3x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.299e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

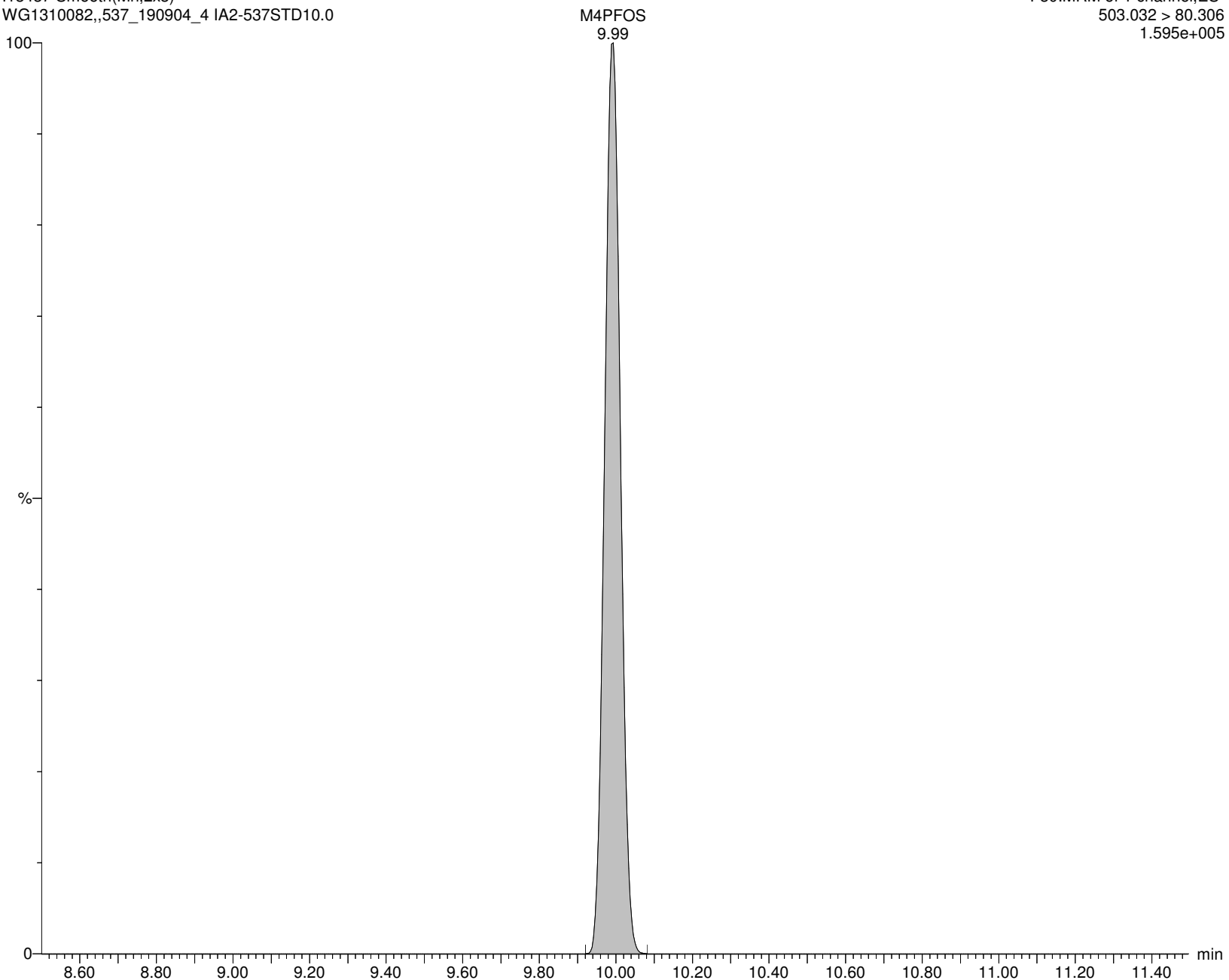
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.595e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

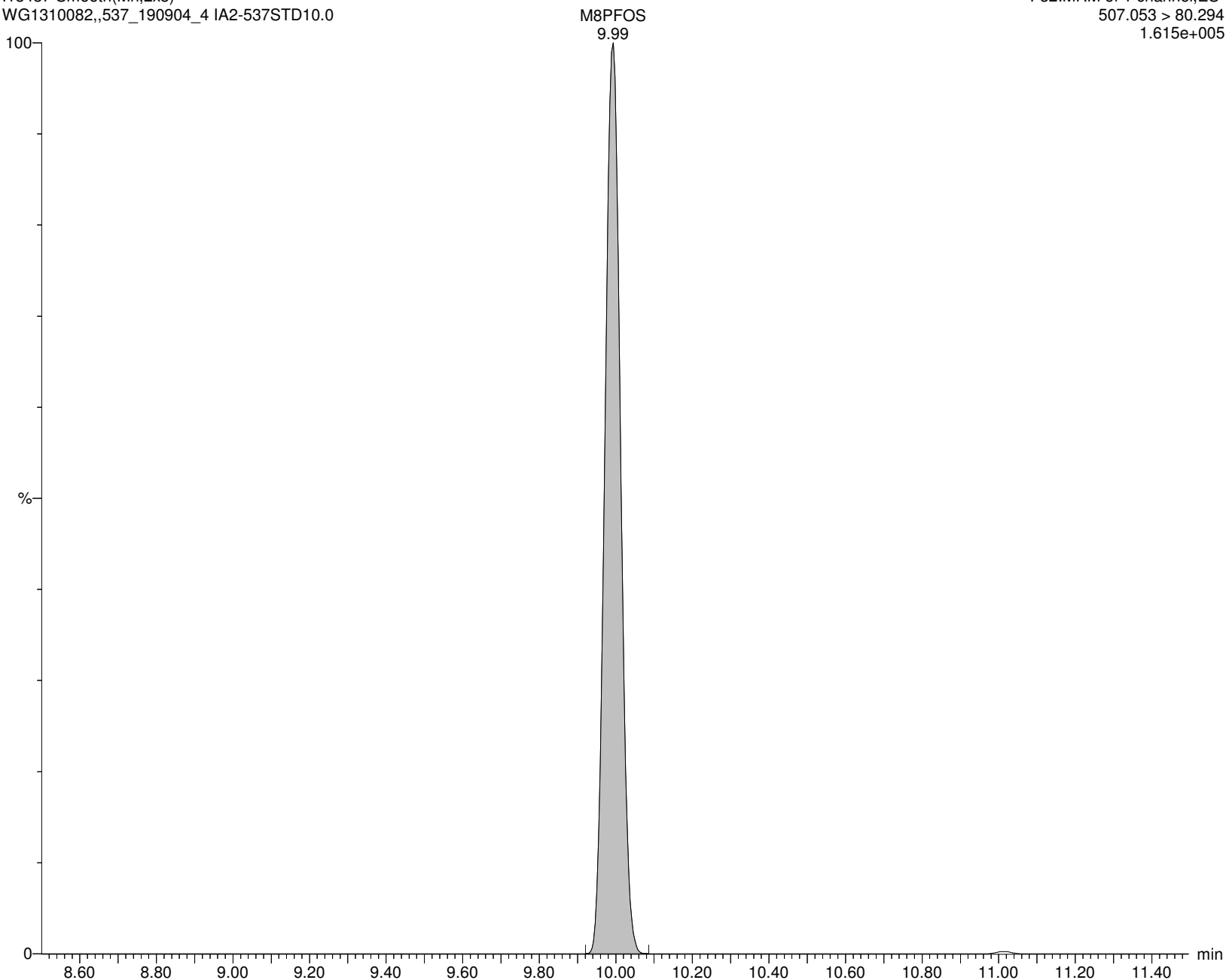
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.615e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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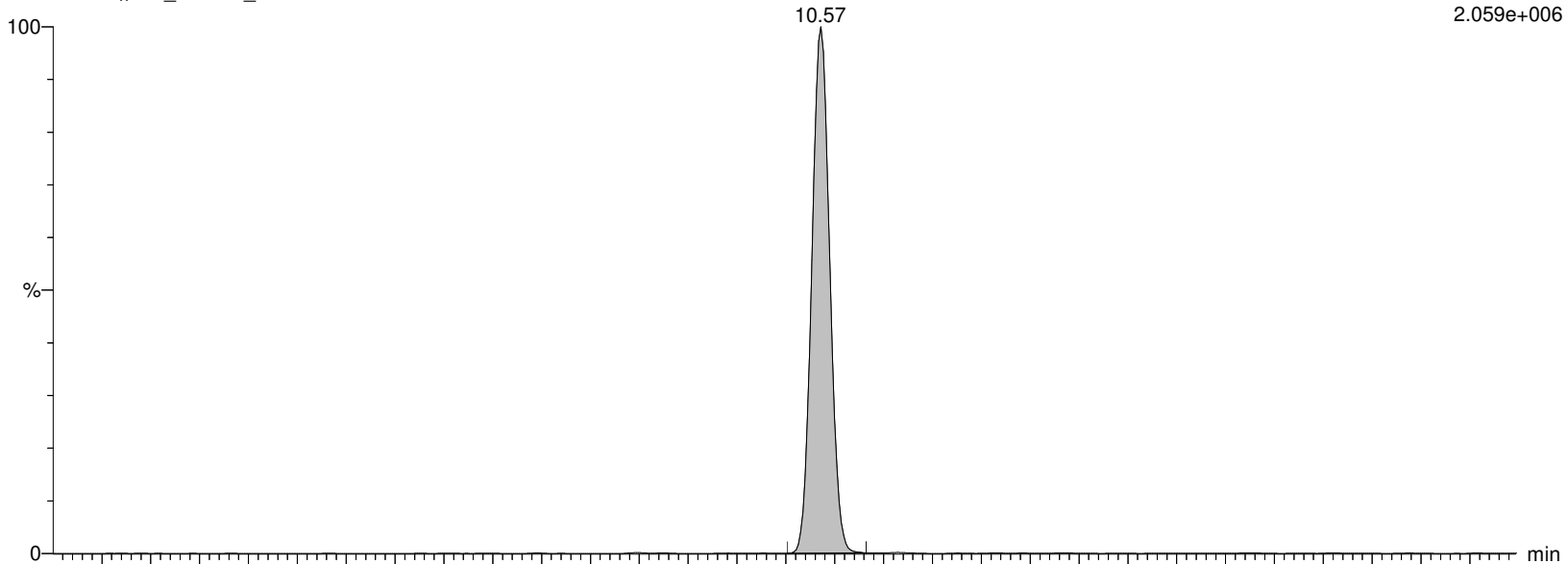
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F34:MRM of 2 channels,ES-

513.053 > 468.906

2.059e+006



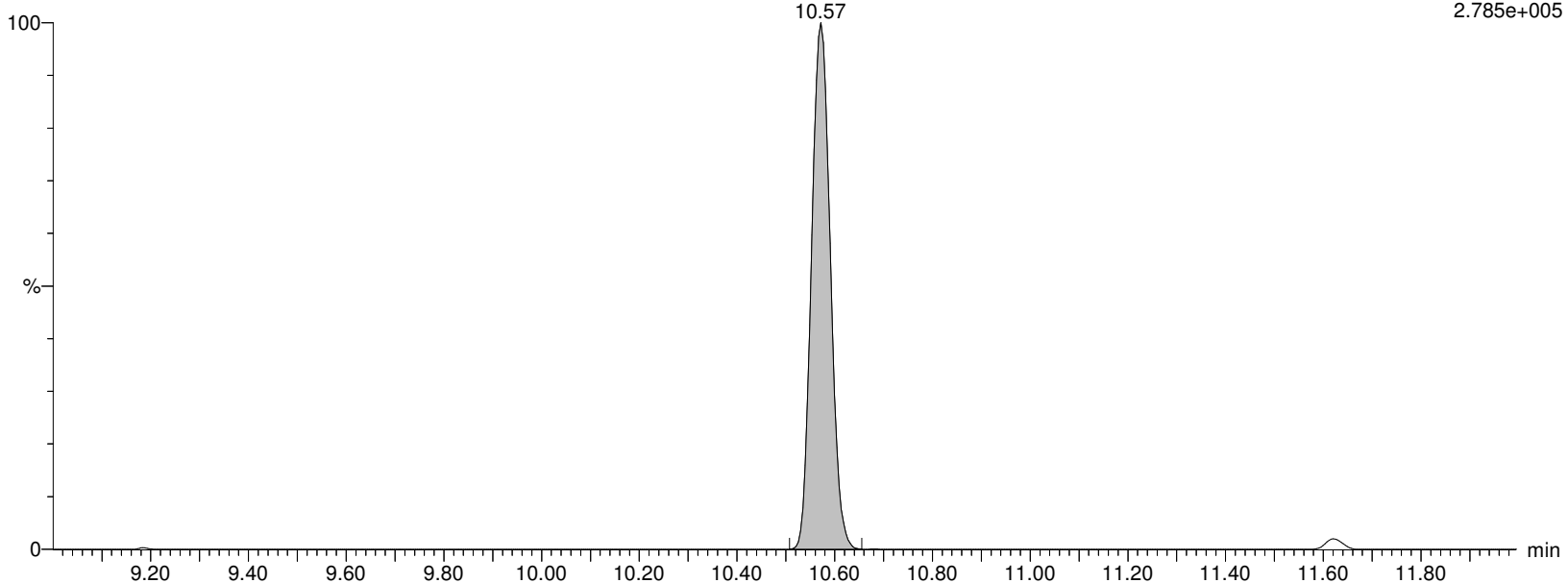
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F34:MRM of 2 channels,ES-

513.053 > 219.08

2.785e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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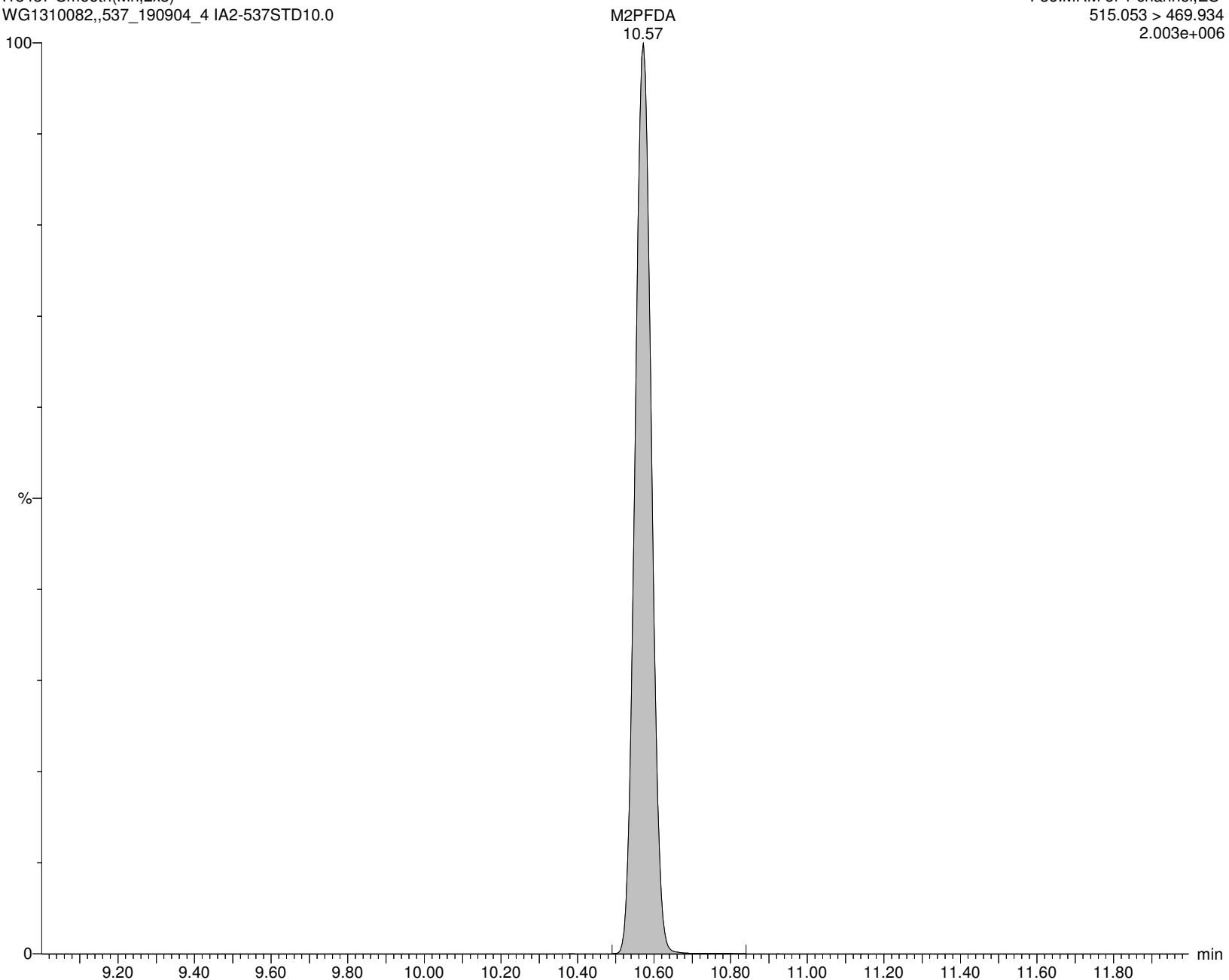
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WG1310082,,537_190904_4 IA2-537STD10.0

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.003e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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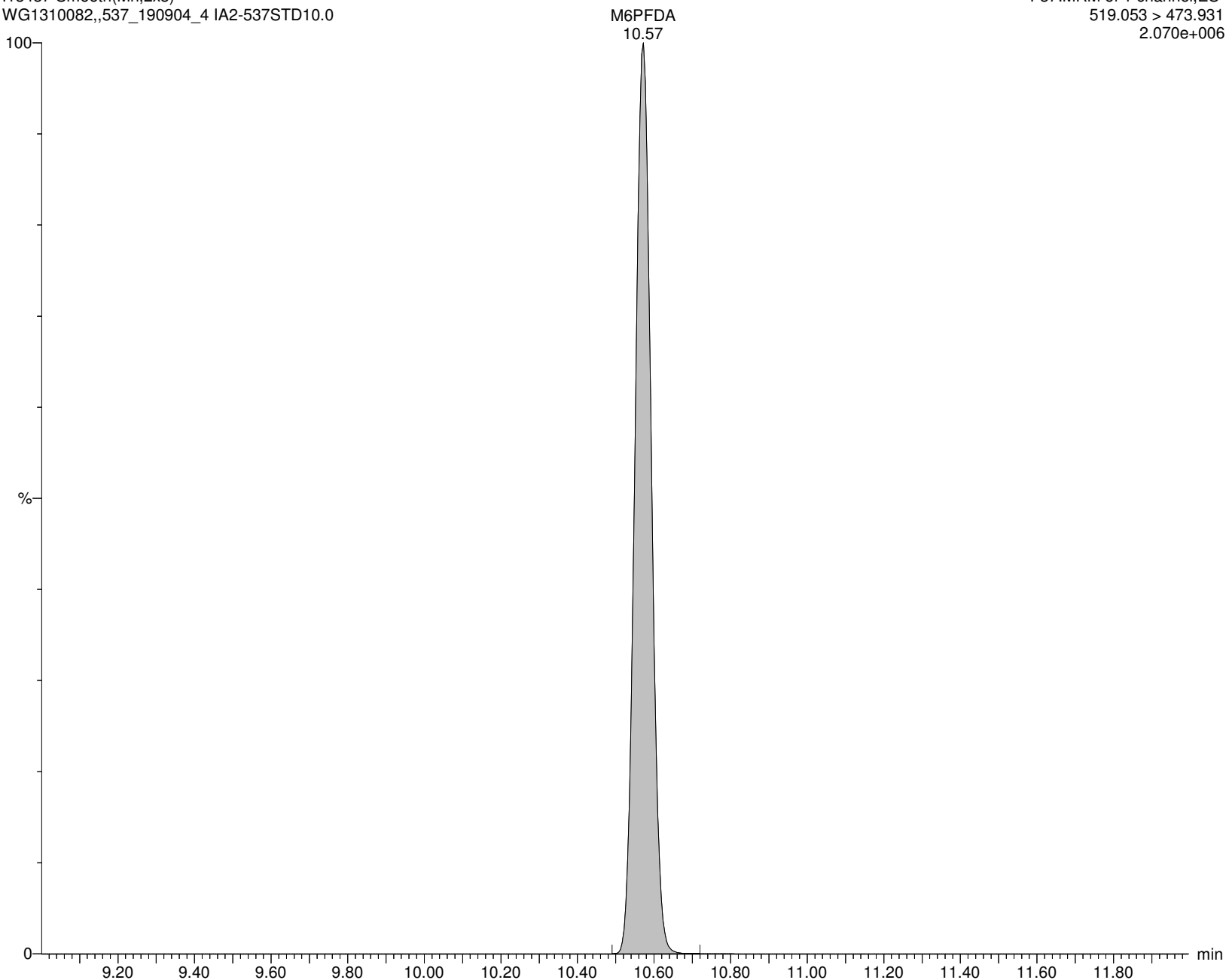
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.070e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

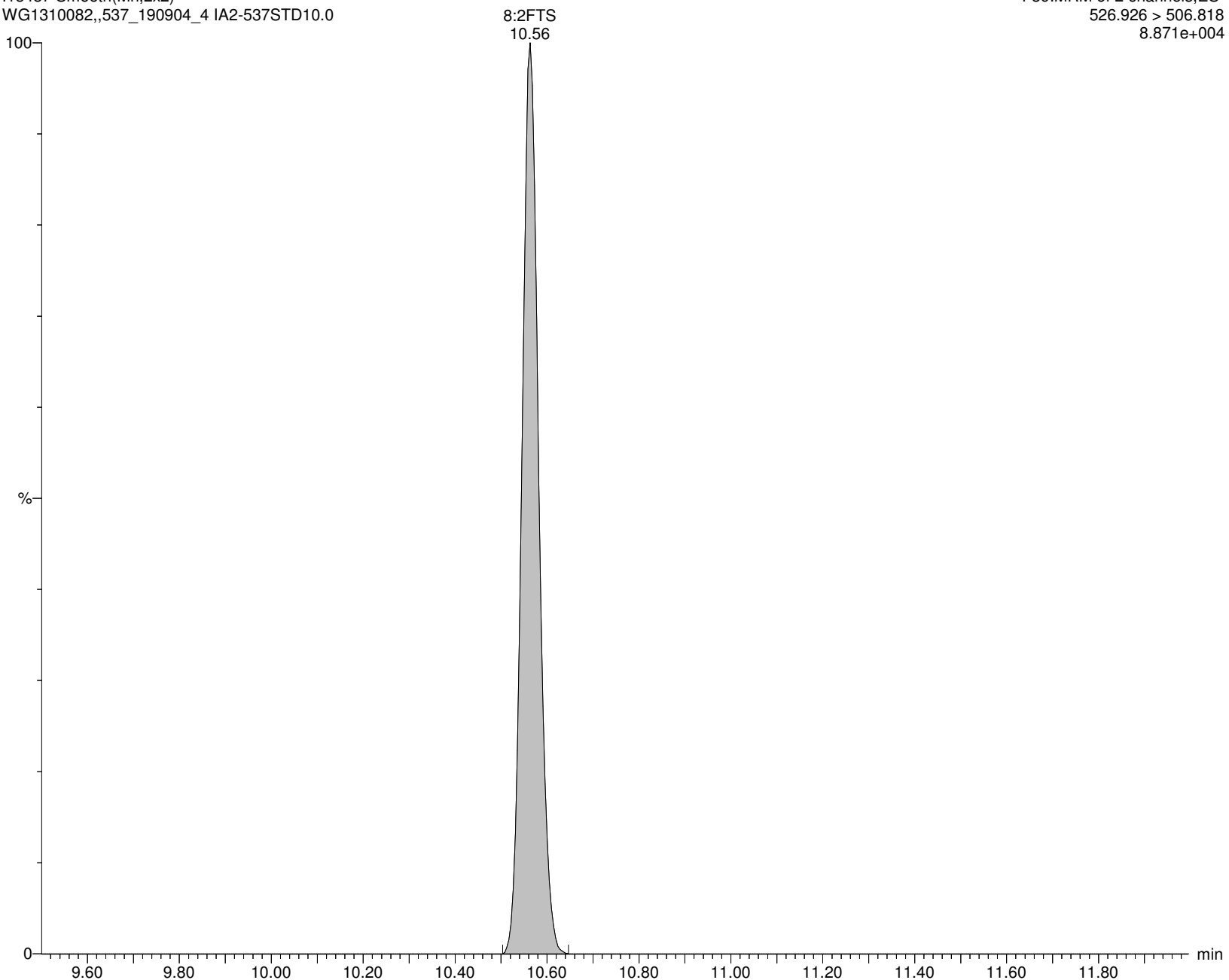
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WG1310082,,537_190904_4 IA2-537STD10.0

F39:MRM of 2 channels,ES-

526.926 > 506.818

8.871e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

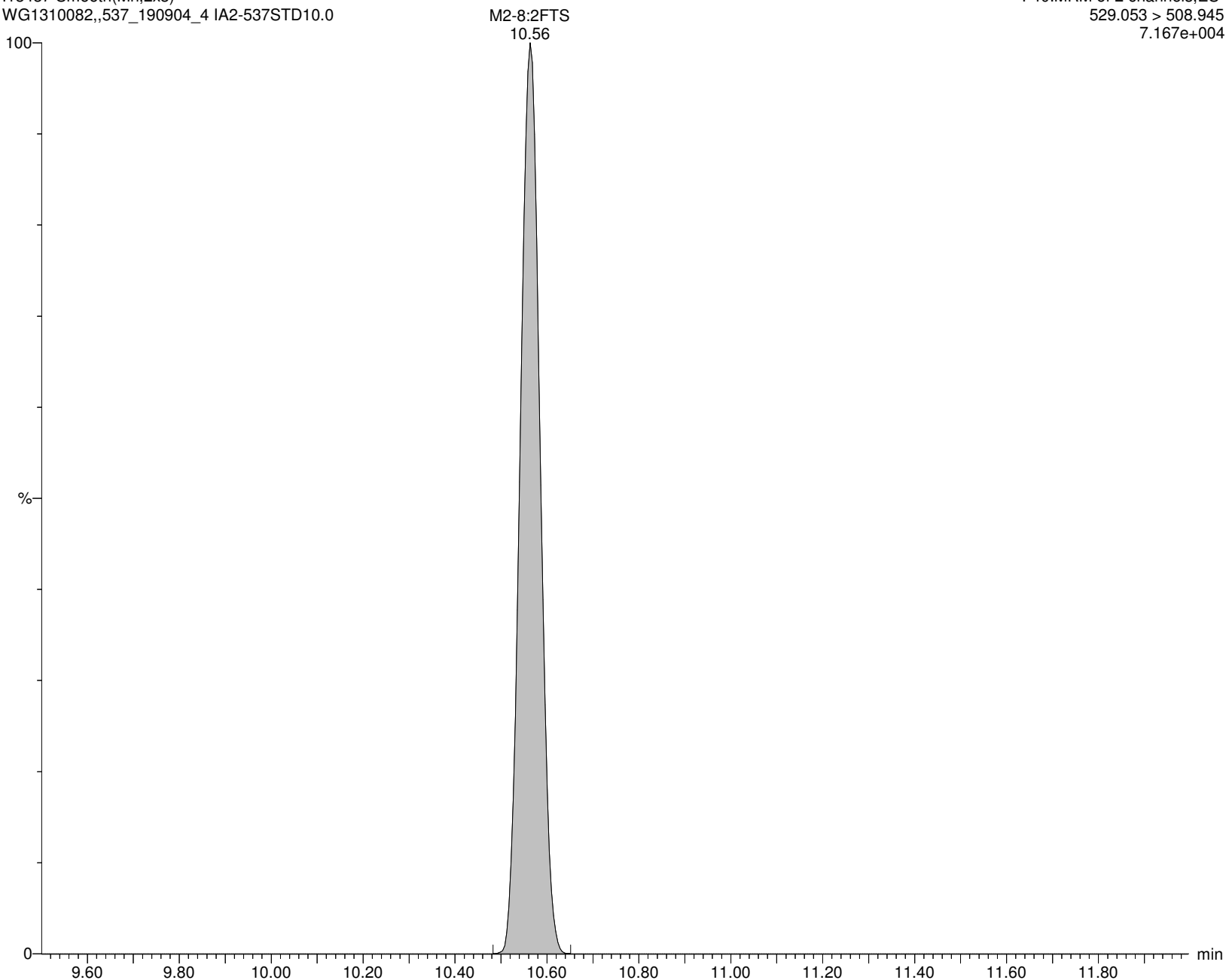
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F40:MRM of 2 channels,ES-

529.053 > 508.945

7.167e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

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Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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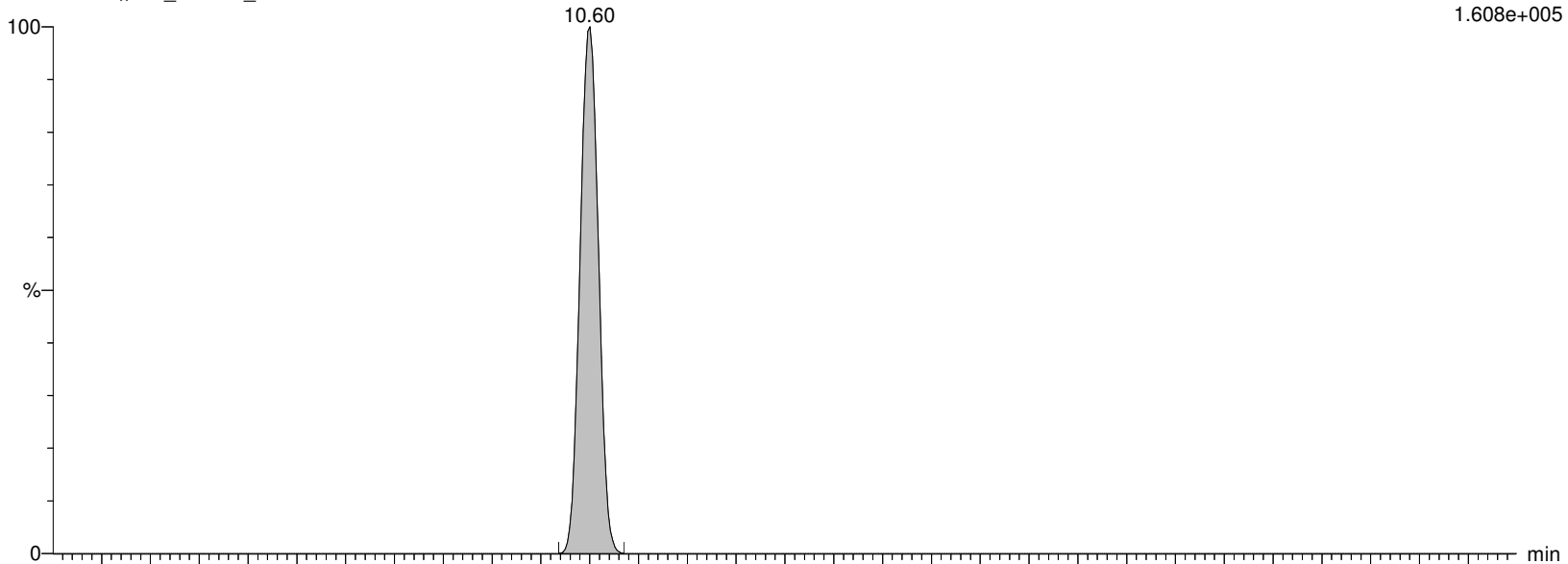
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F43:MRM of 2 channels,ES-

548.989 > 80.249

1.608e+005



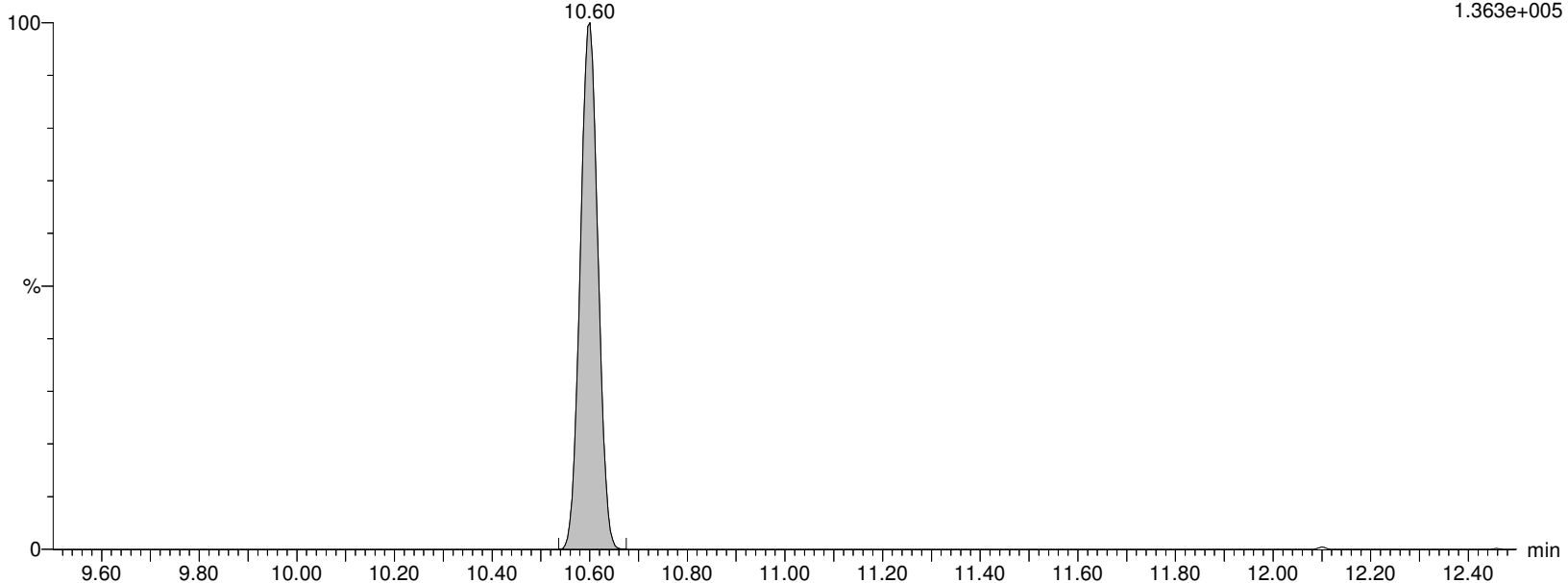
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F43:MRM of 2 channels,ES-

548.989 > 99.22

1.363e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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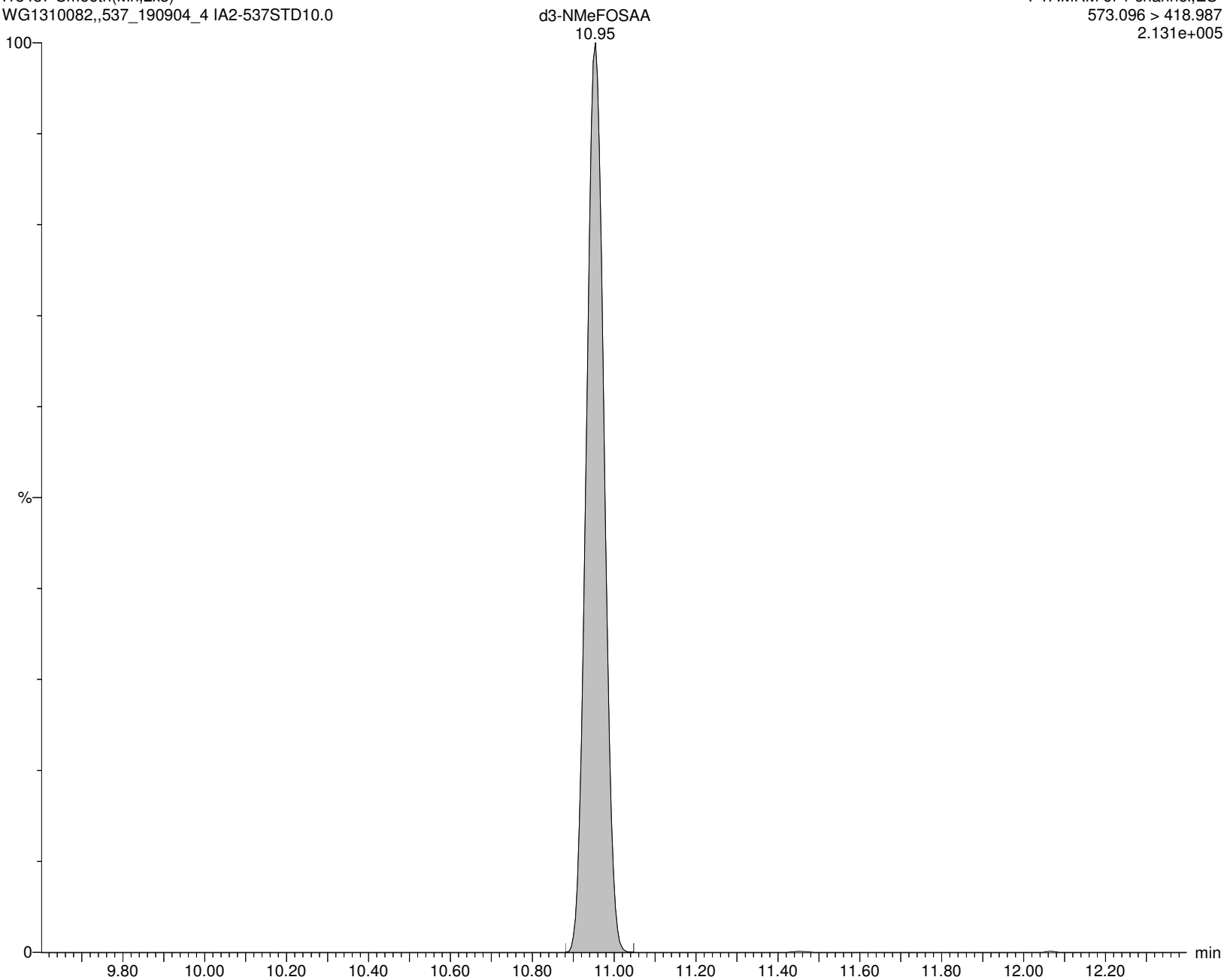
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.131e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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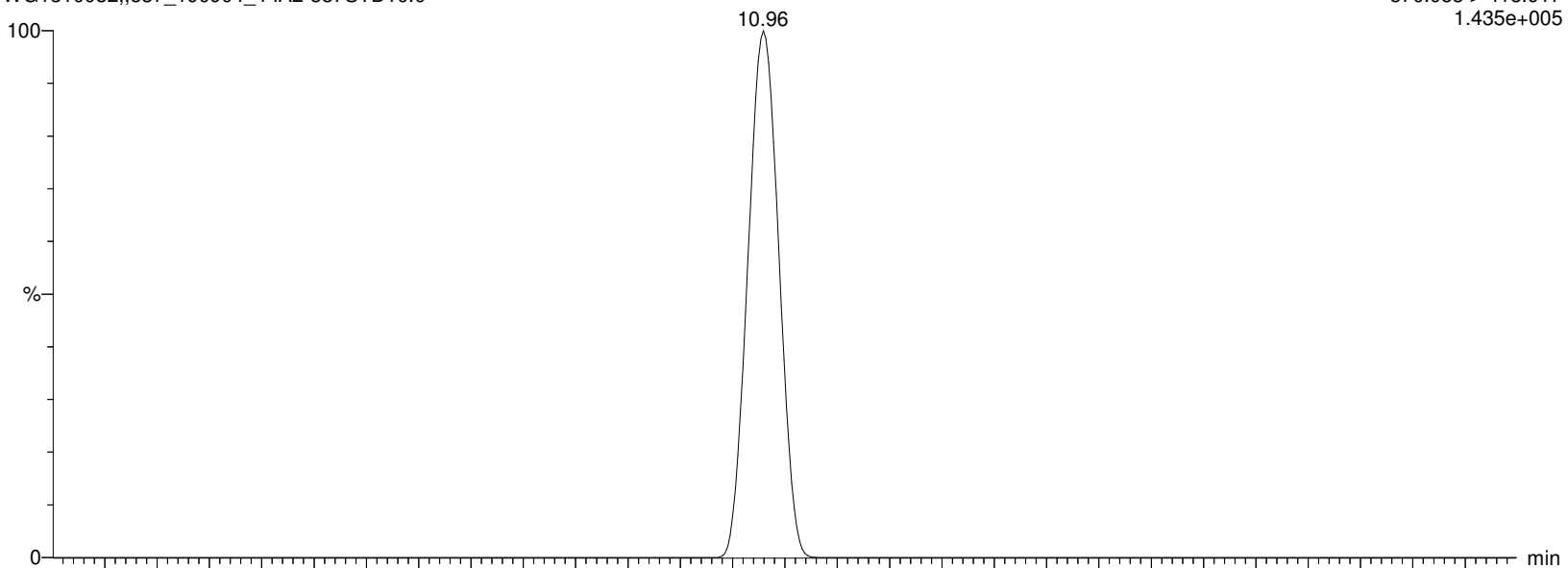
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.435e+005



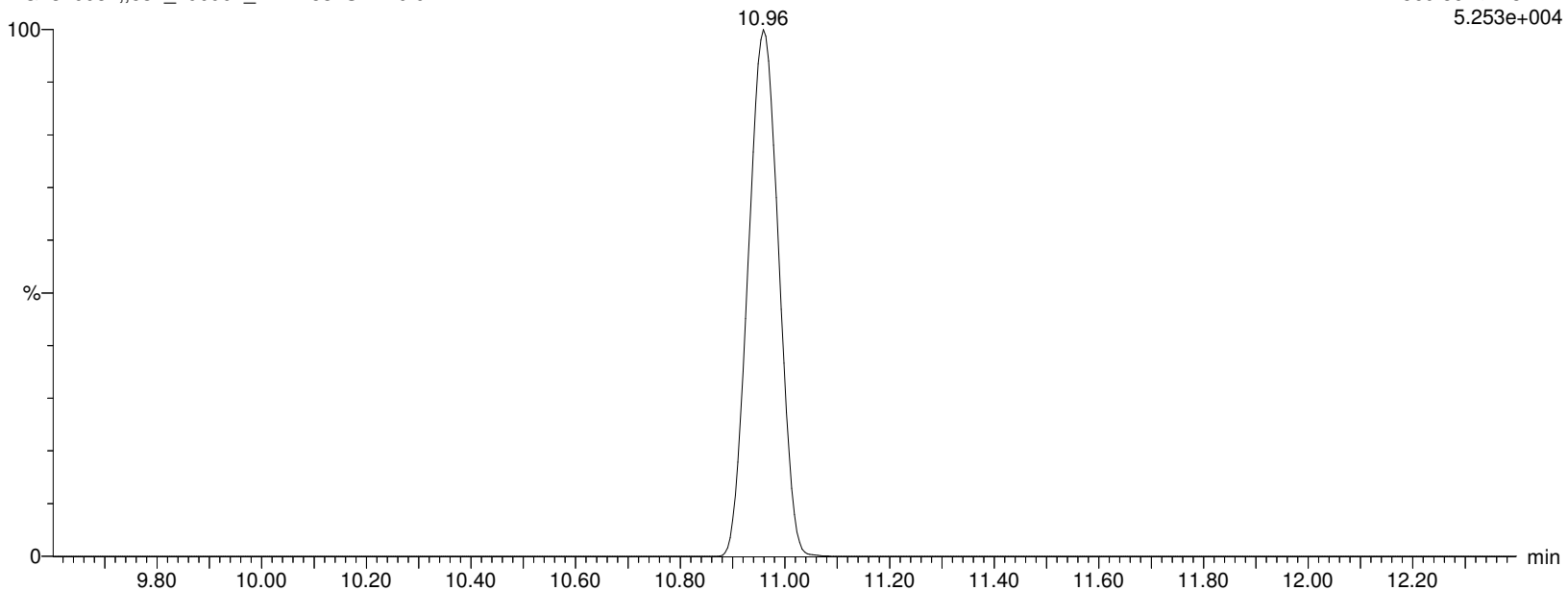
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

5.253e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

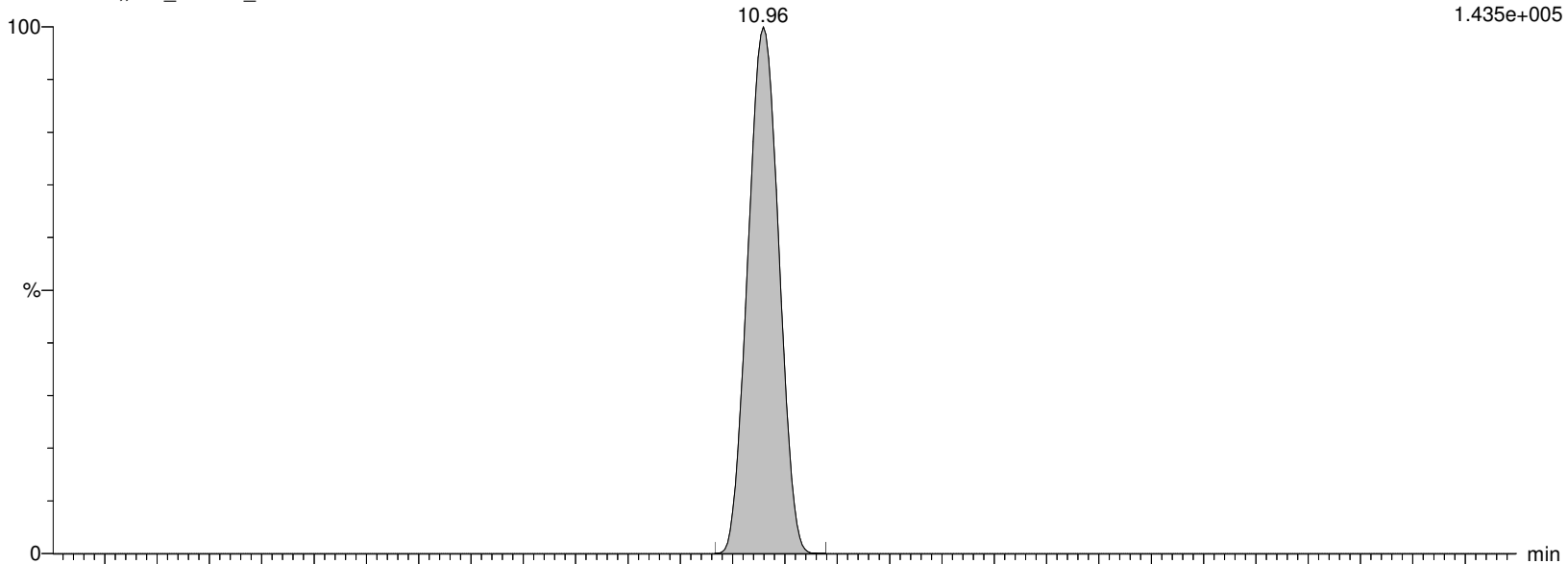
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WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.435e+005



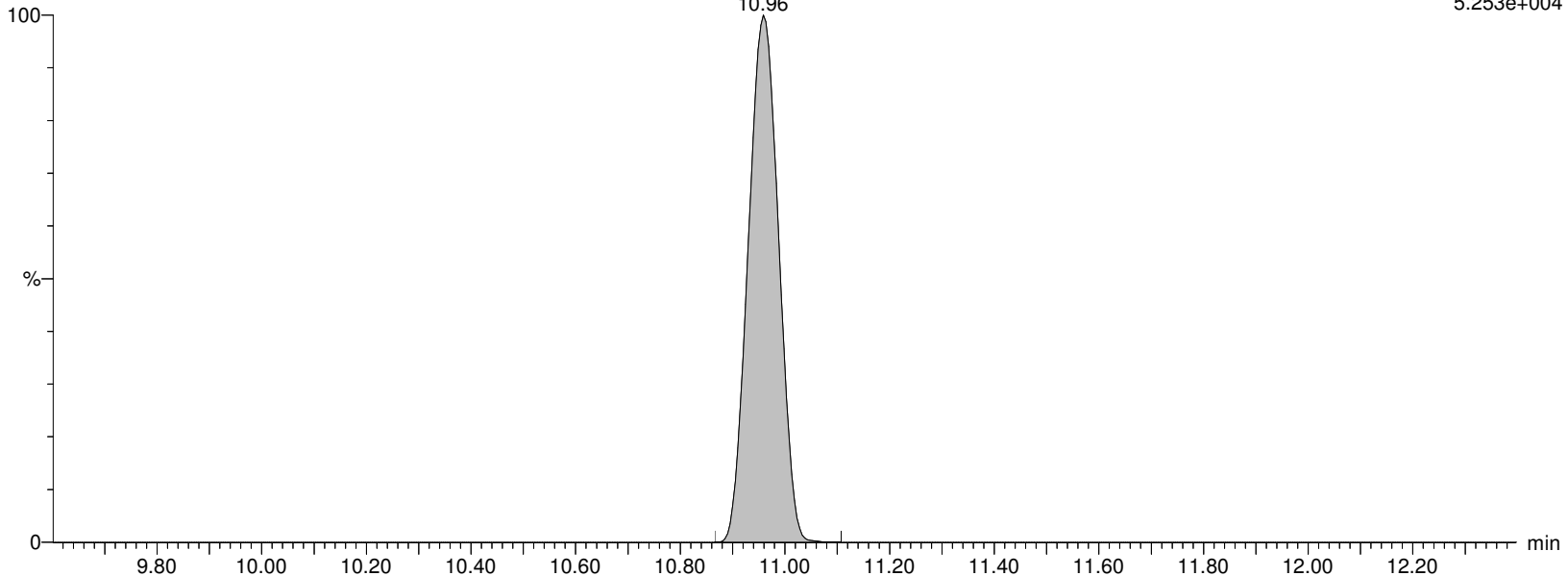
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

5.253e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

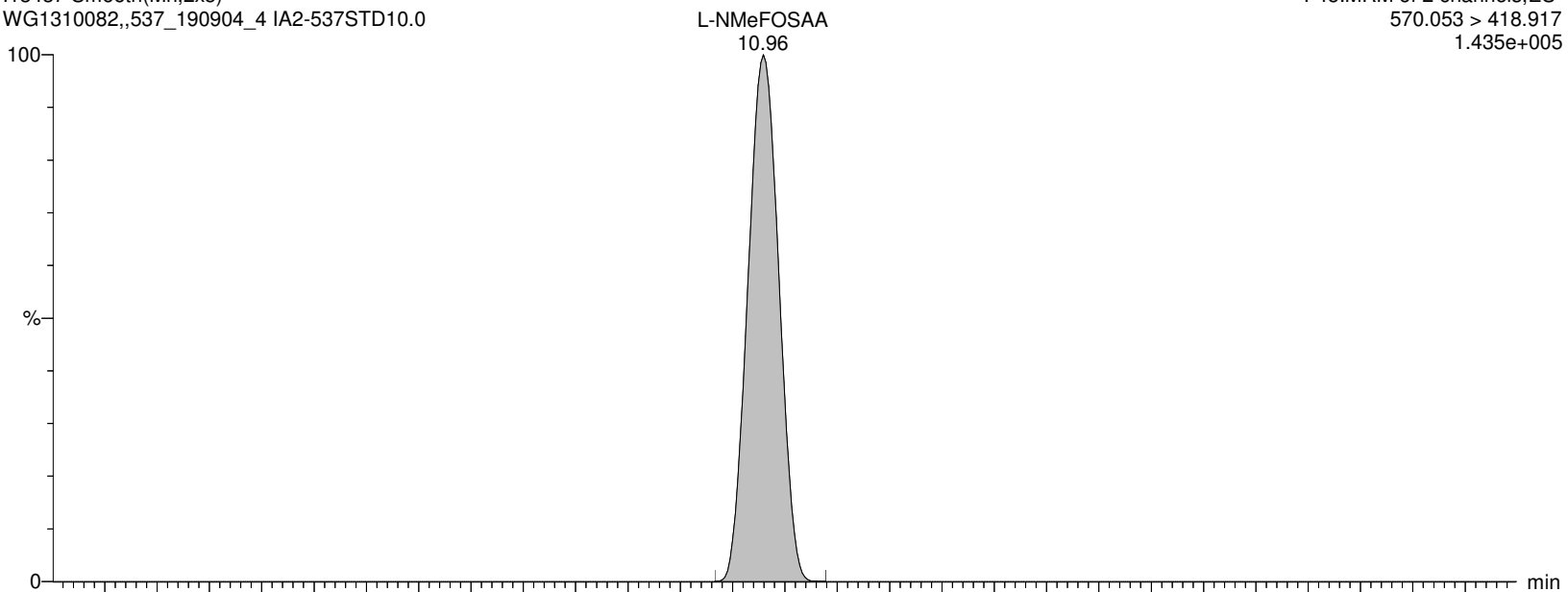
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.435e+005



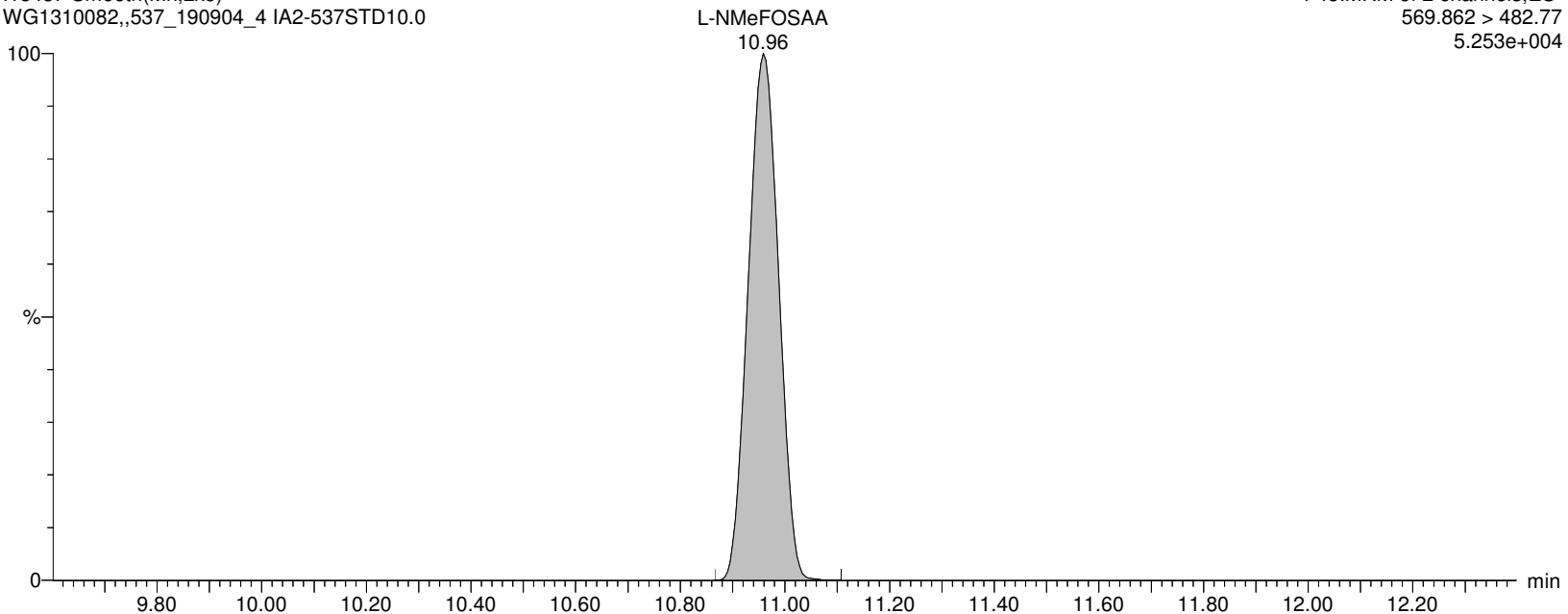
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

5.253e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

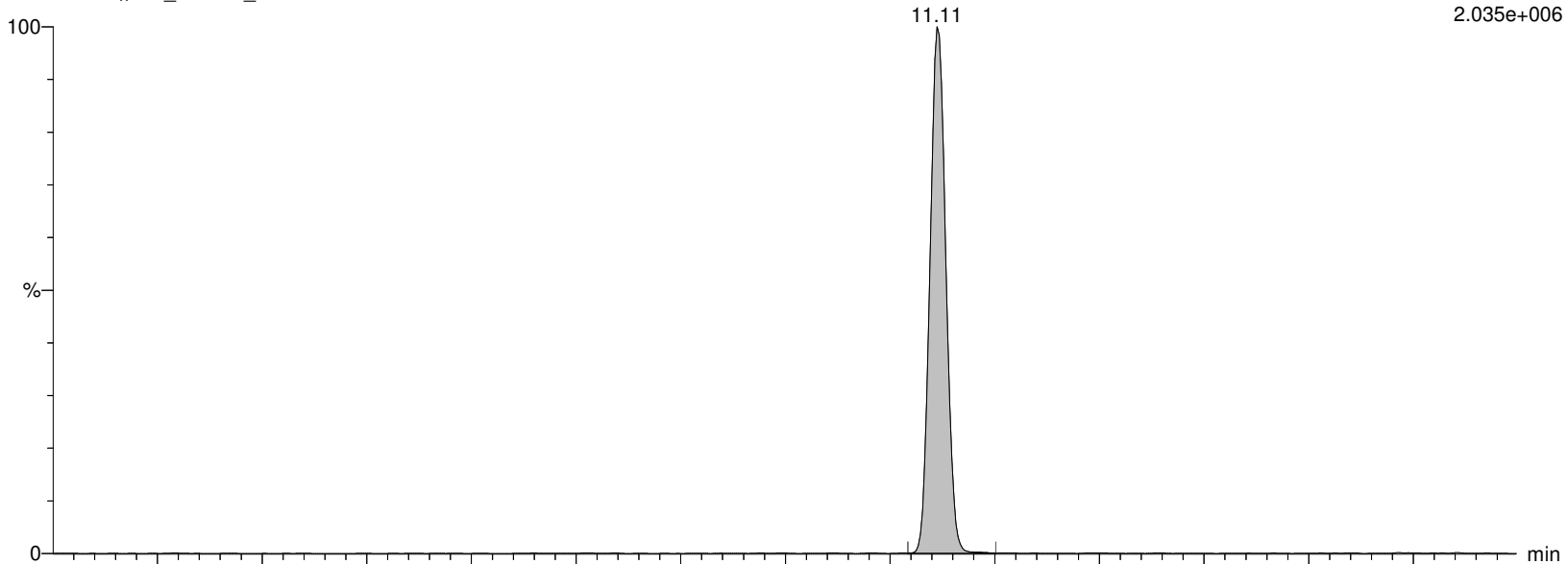
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F44:MRM of 2 channels,ES-

562.989 > 518.903

2.035e+006



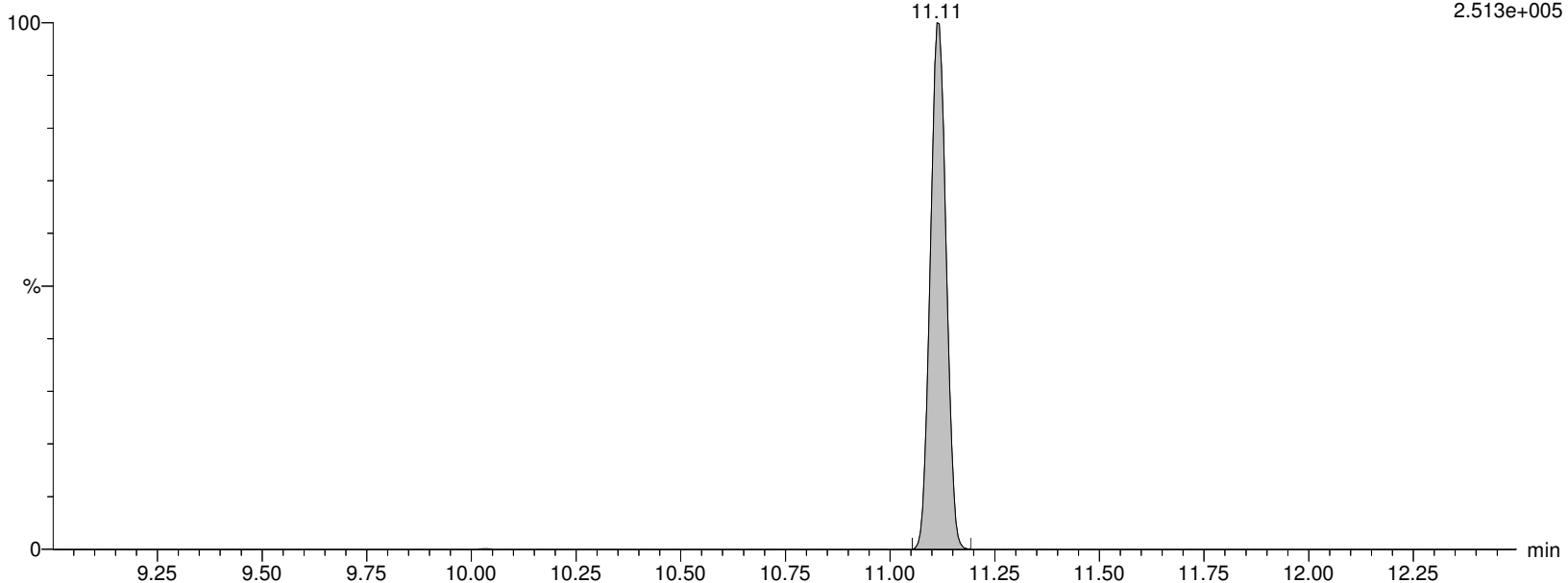
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F44:MRM of 2 channels,ES-

562.989 > 269.01

2.513e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

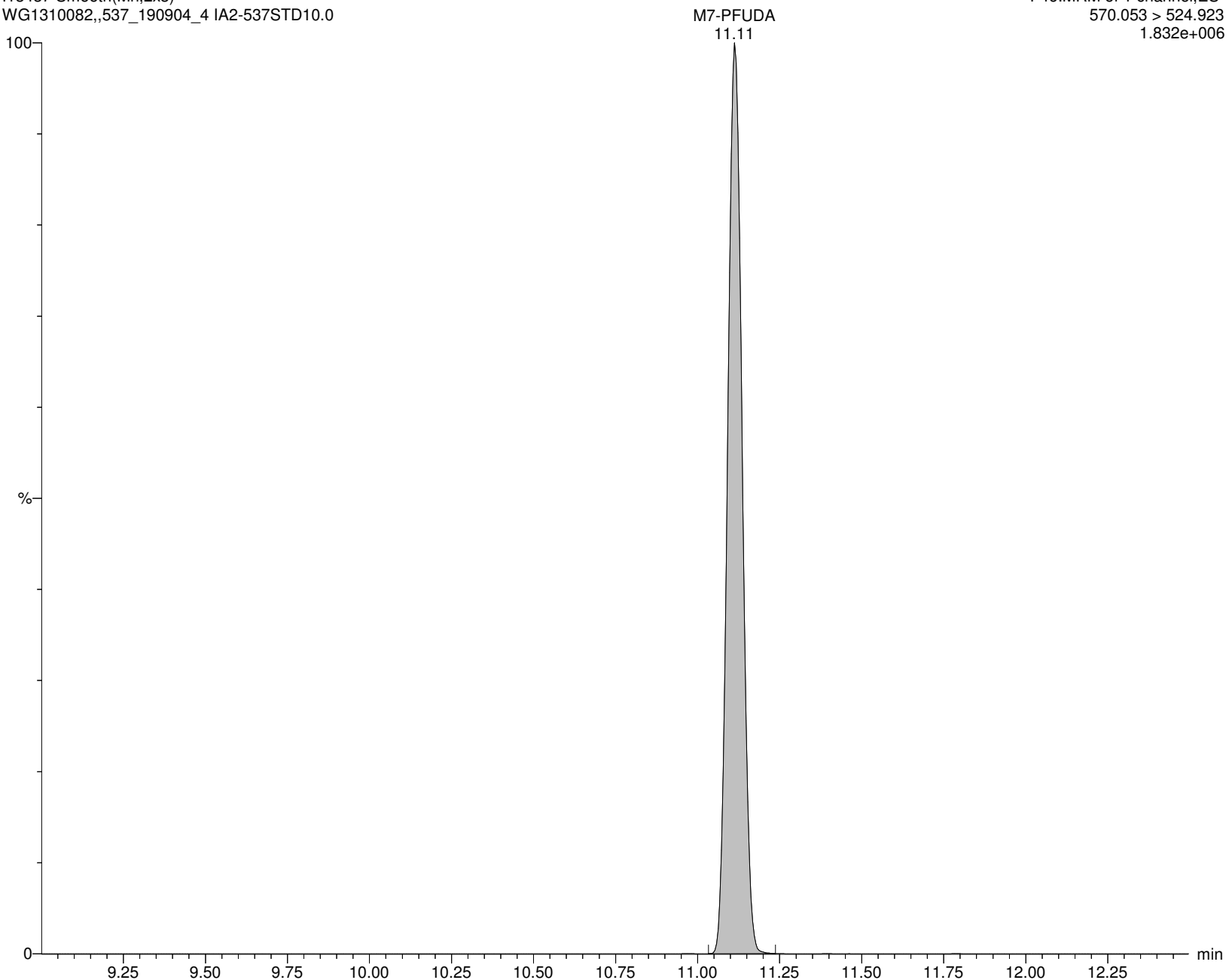
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.832e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

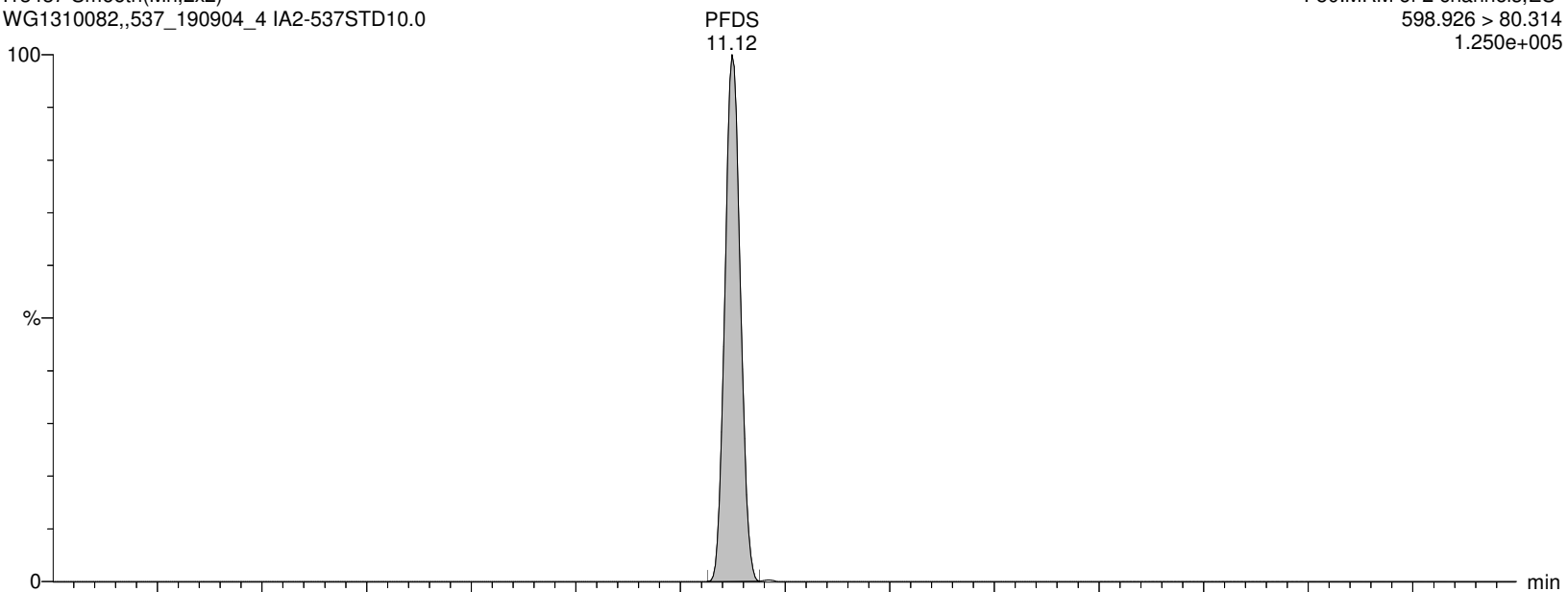
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F50:MRM of 2 channels,ES-

598.926 > 80.314

1.250e+005



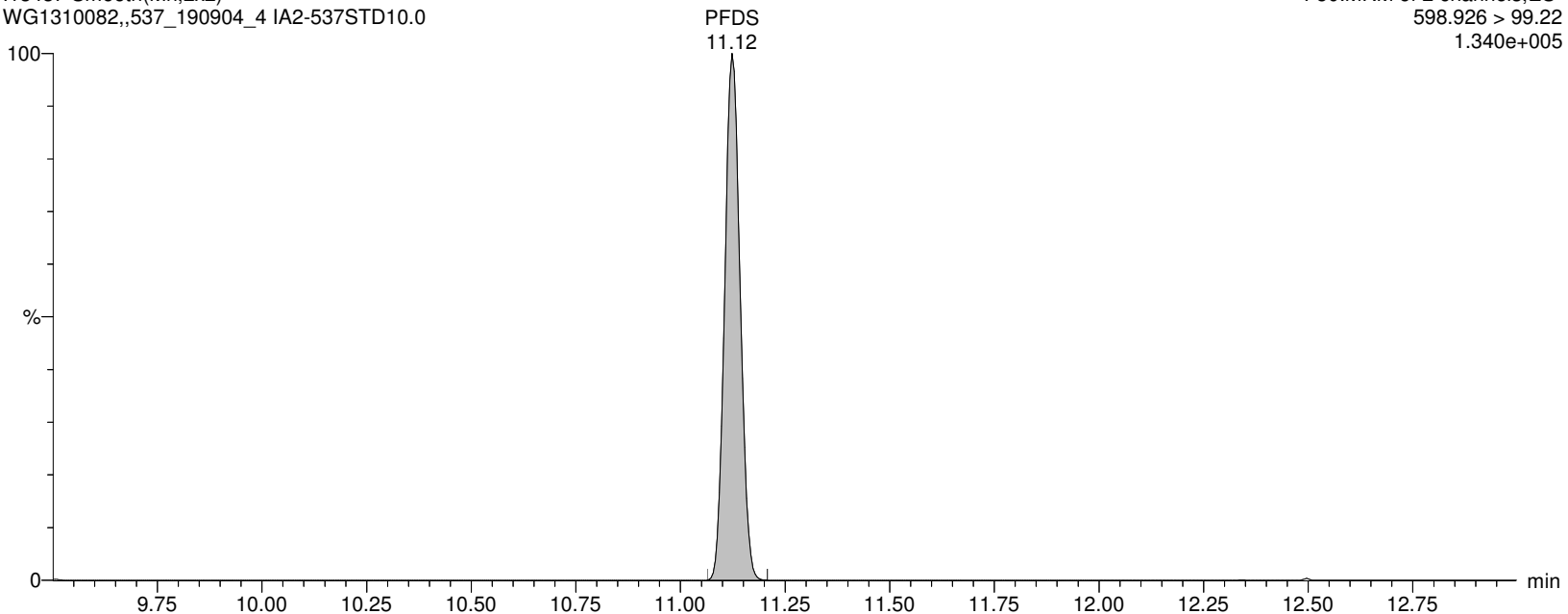
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.340e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

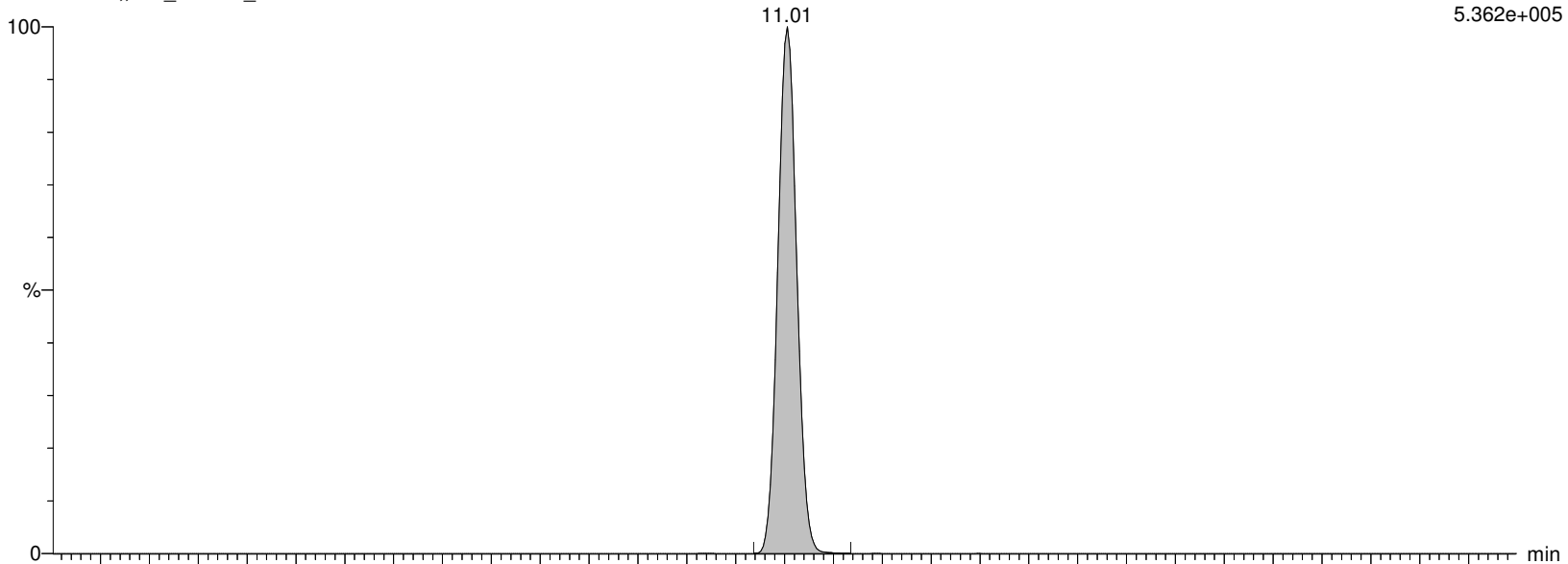
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F28:MRM of 2 channels,ES-

497.989 > 78.245

5.362e+005



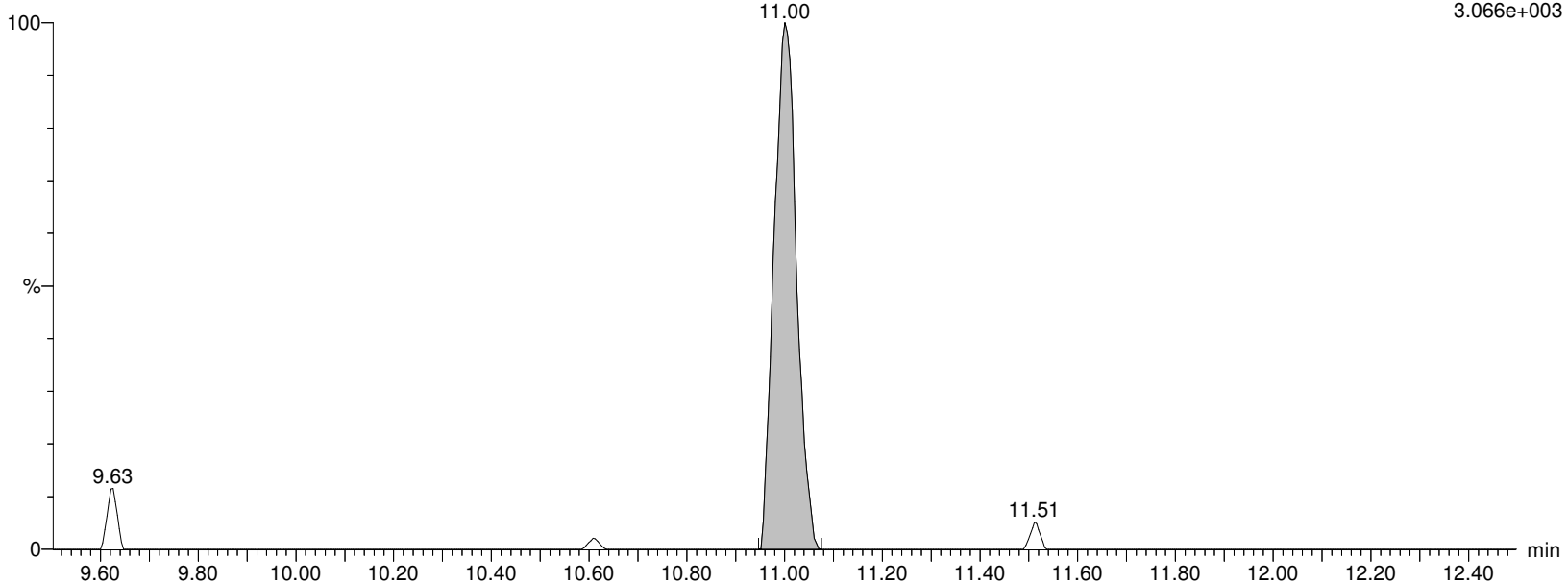
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F28:MRM of 2 channels,ES-

497.989 > 168.854

3.066e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

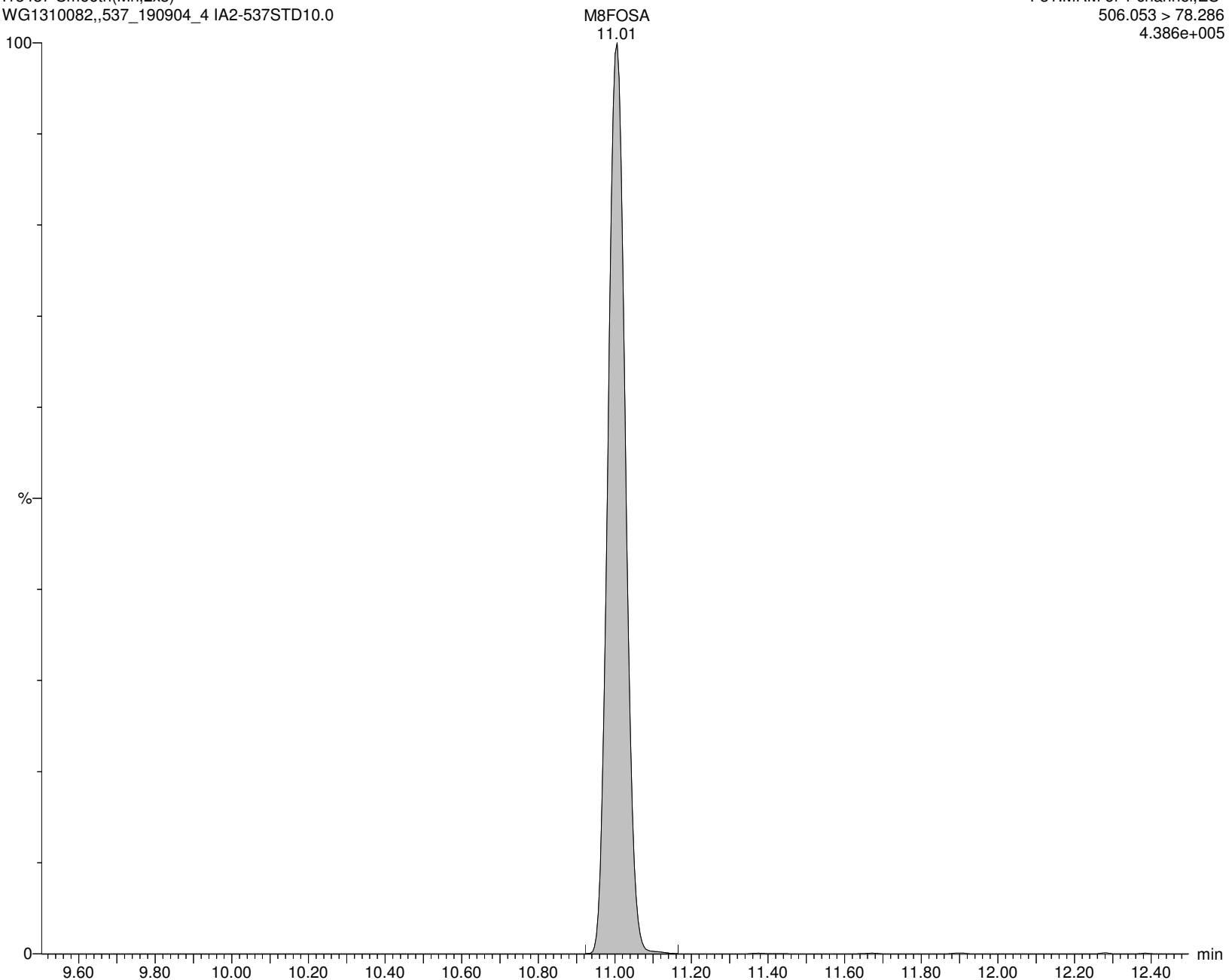
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.386e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

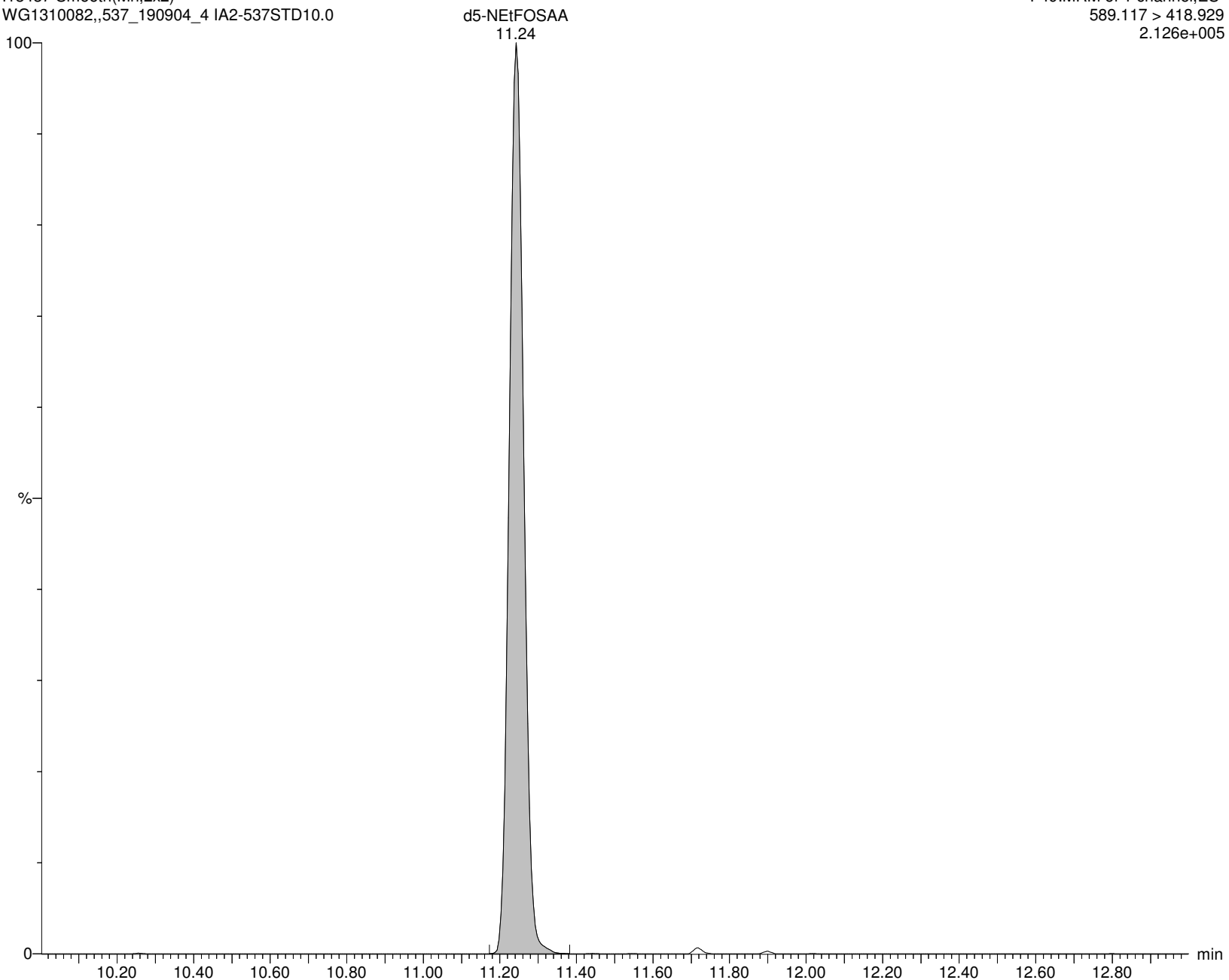
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.126e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

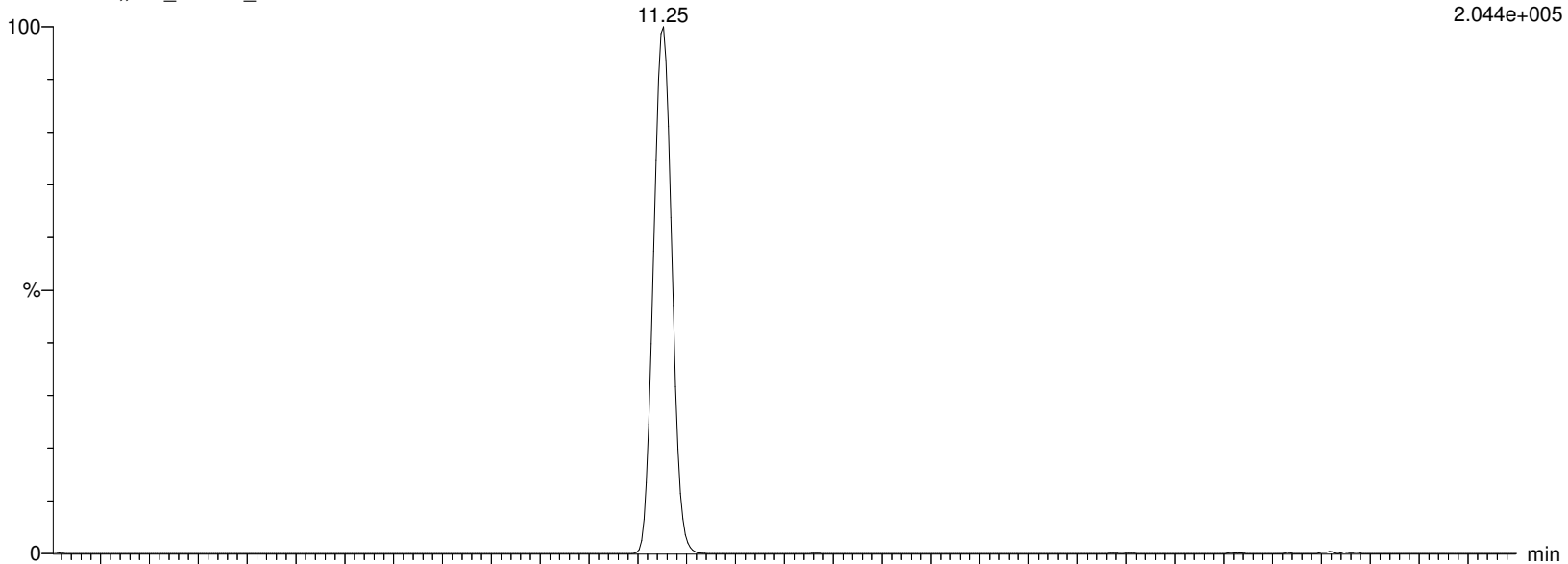
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.044e+005



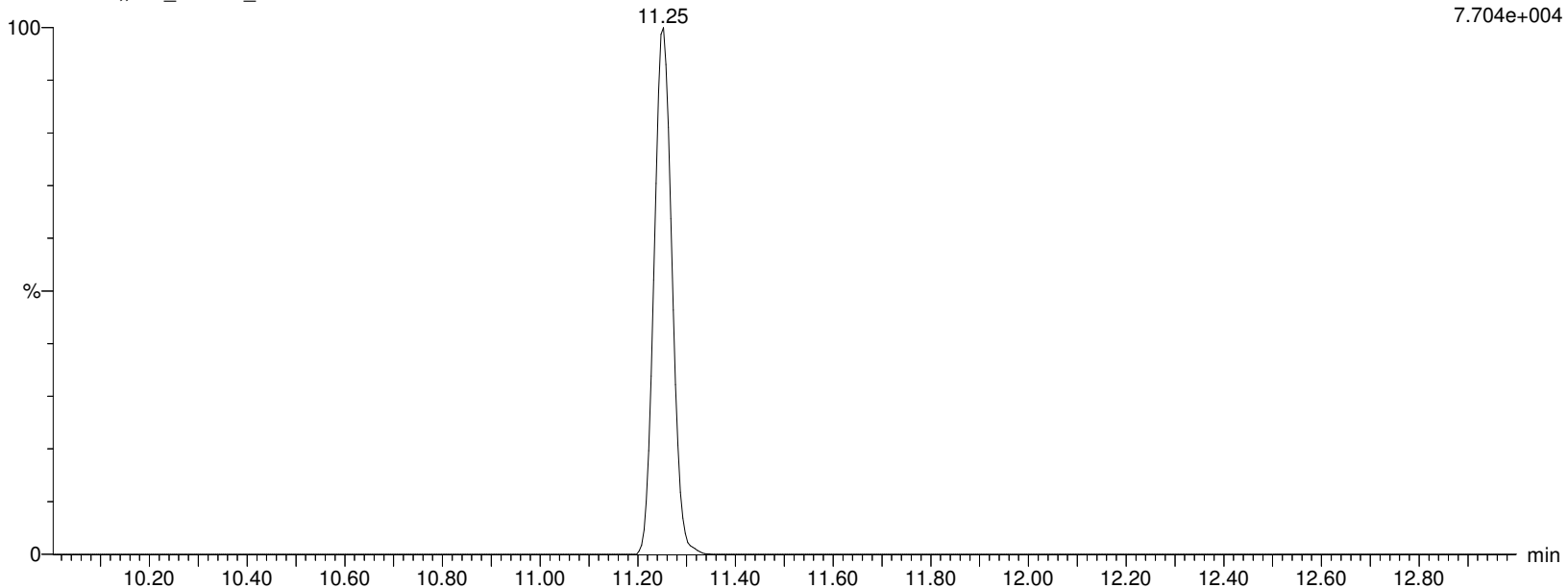
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.704e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

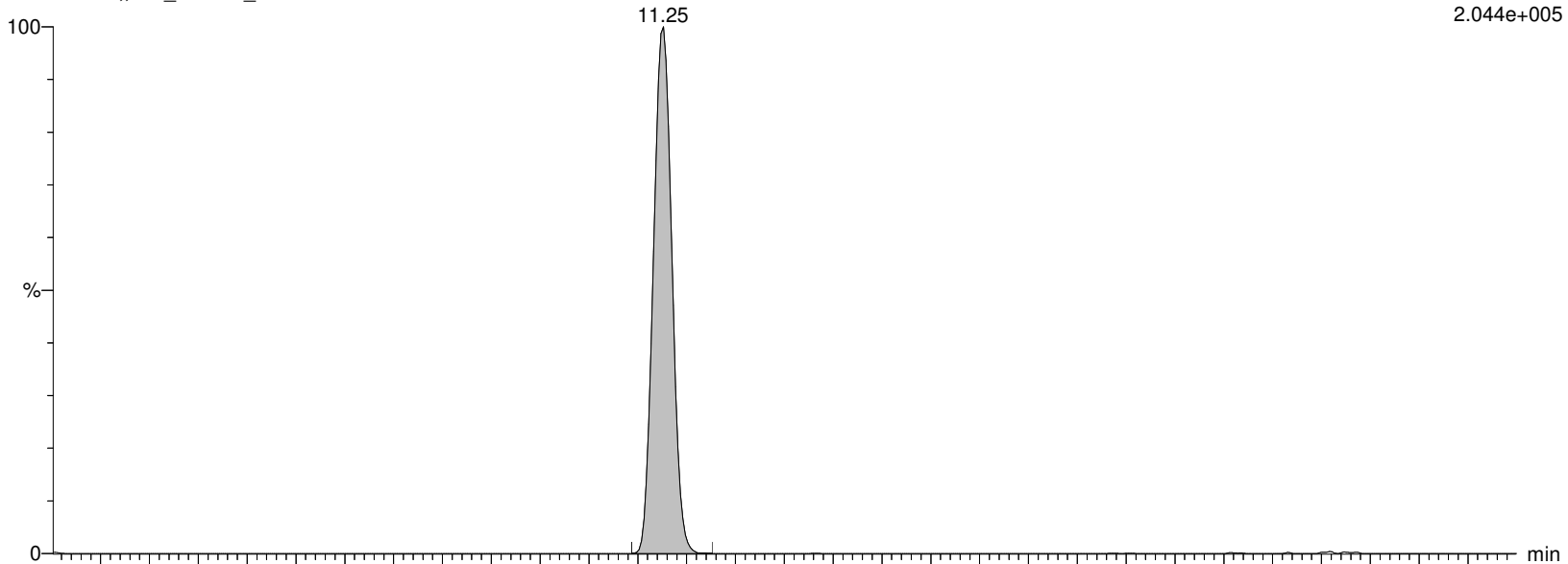
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.044e+005



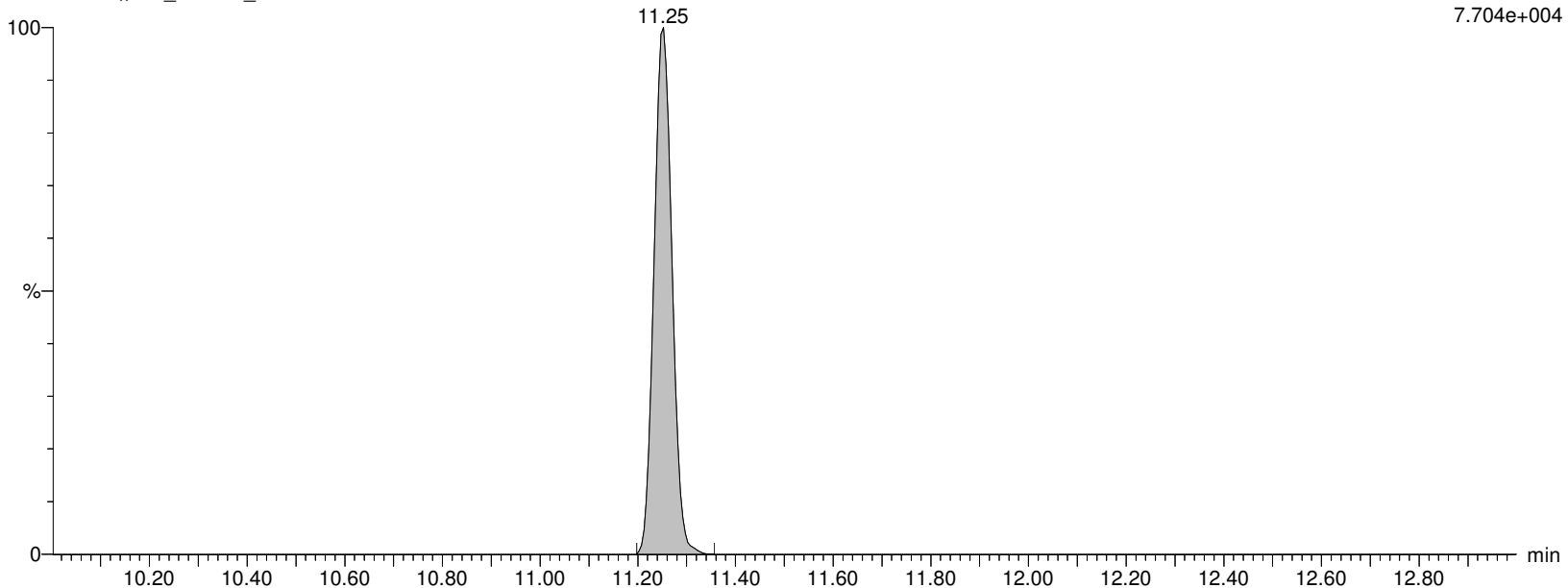
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.704e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSAA

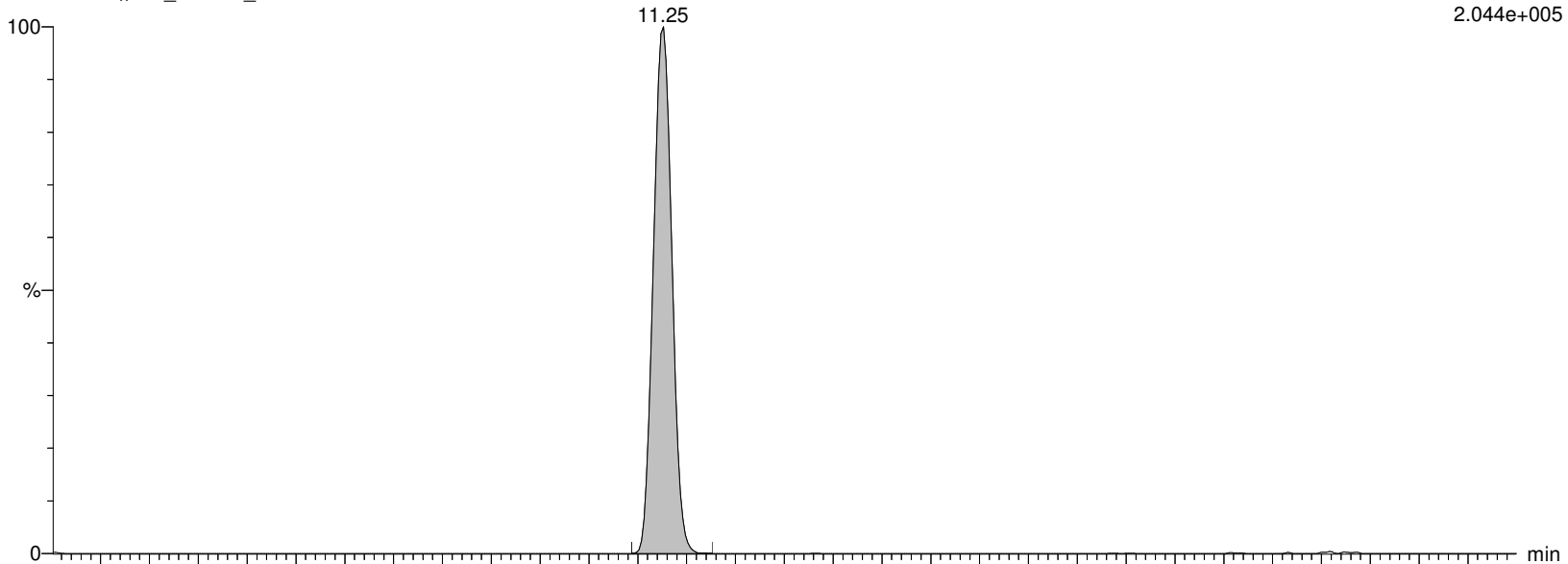
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.044e+005



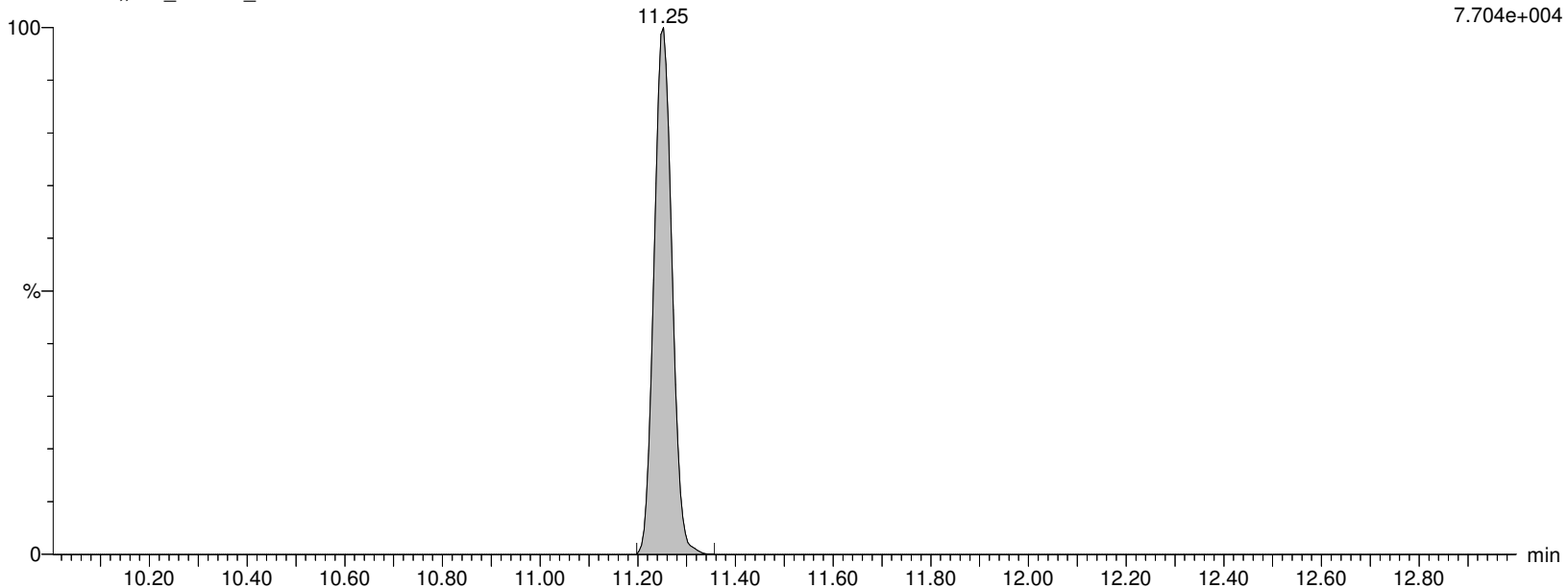
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.704e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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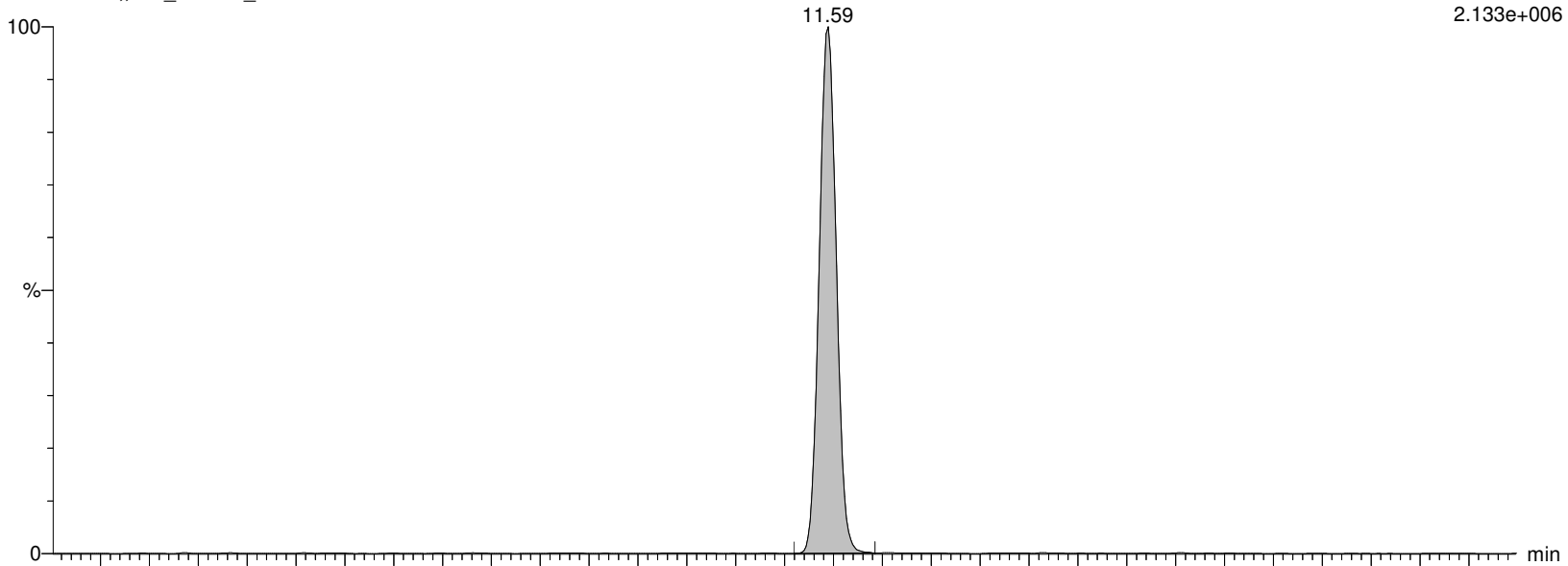
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F51:MRM of 2 channels,ES-

612.989 > 568.967

2.133e+006



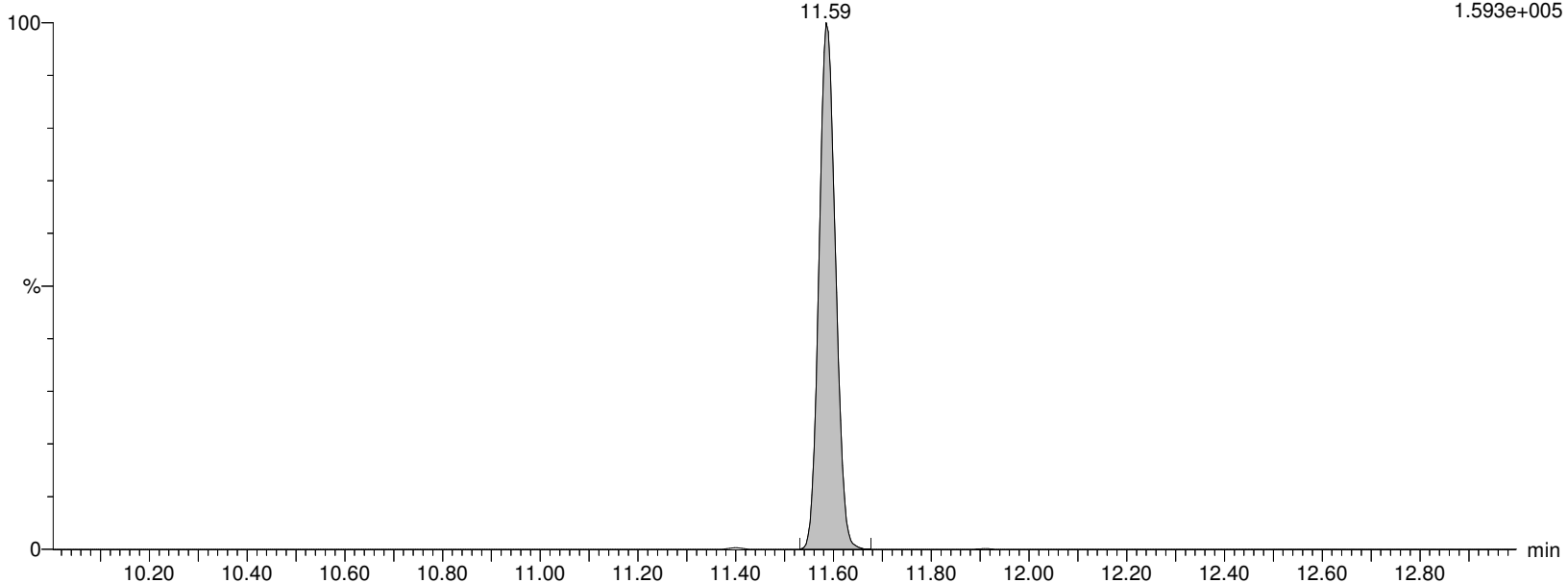
I13437 Smooth(Mn,2x2)

WG1310082,,537_190904_4 IA2-537STD10.0

F51:MRM of 2 channels,ES-

612.989 > 219.08

1.593e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

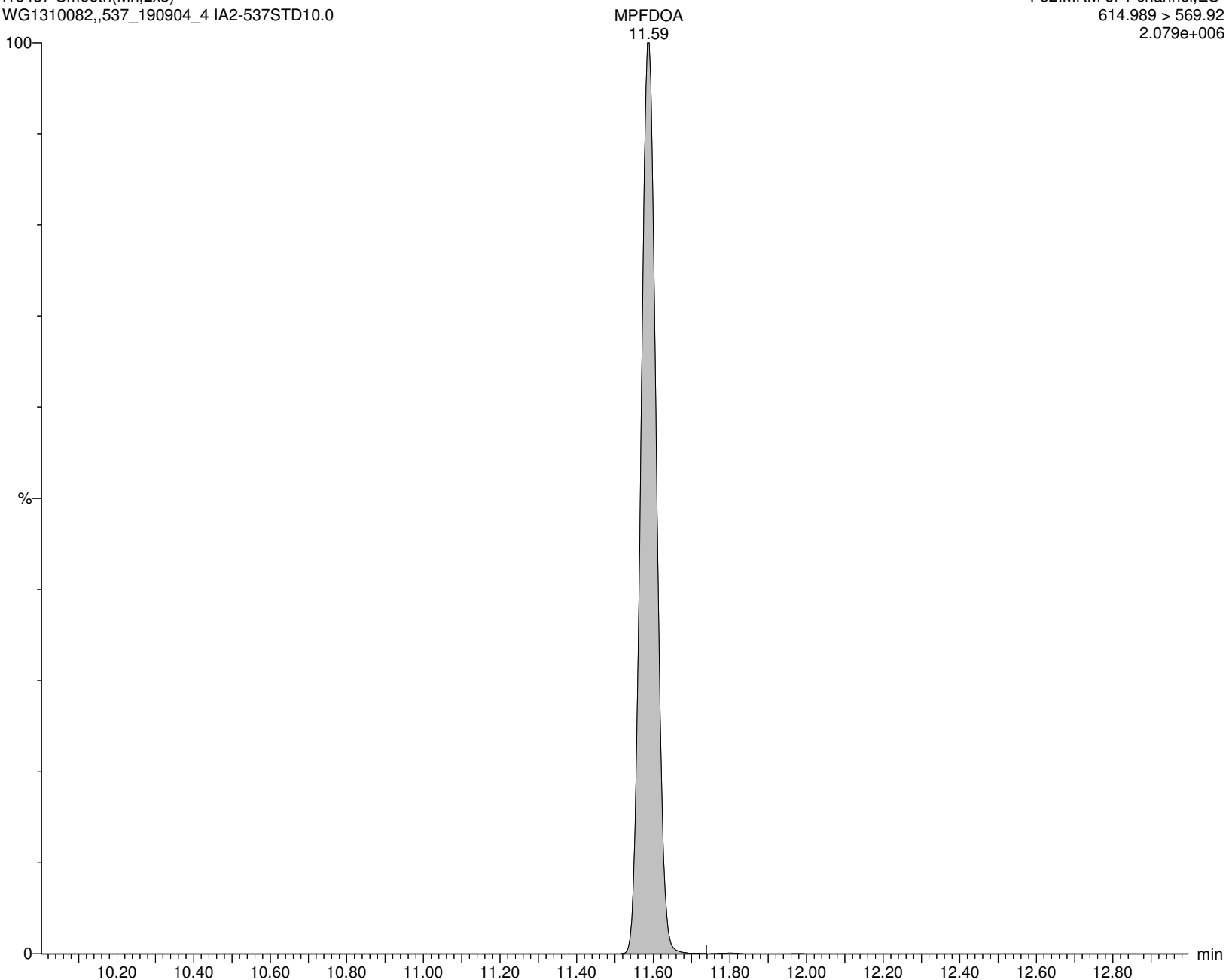
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.079e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

I13437 Smooth(Mn,2x2)

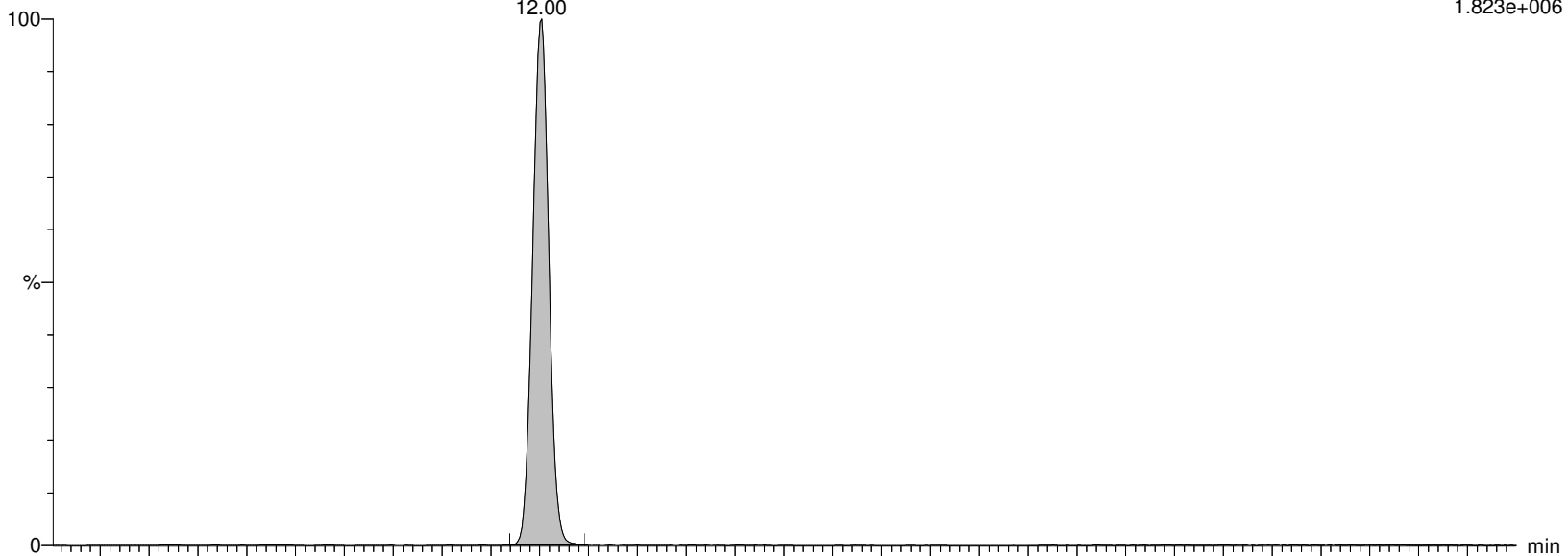
WG1310082,,537_190904_4 IA2-537STD10.0

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.823e+006



I13437 Smooth(Mn,2x2)

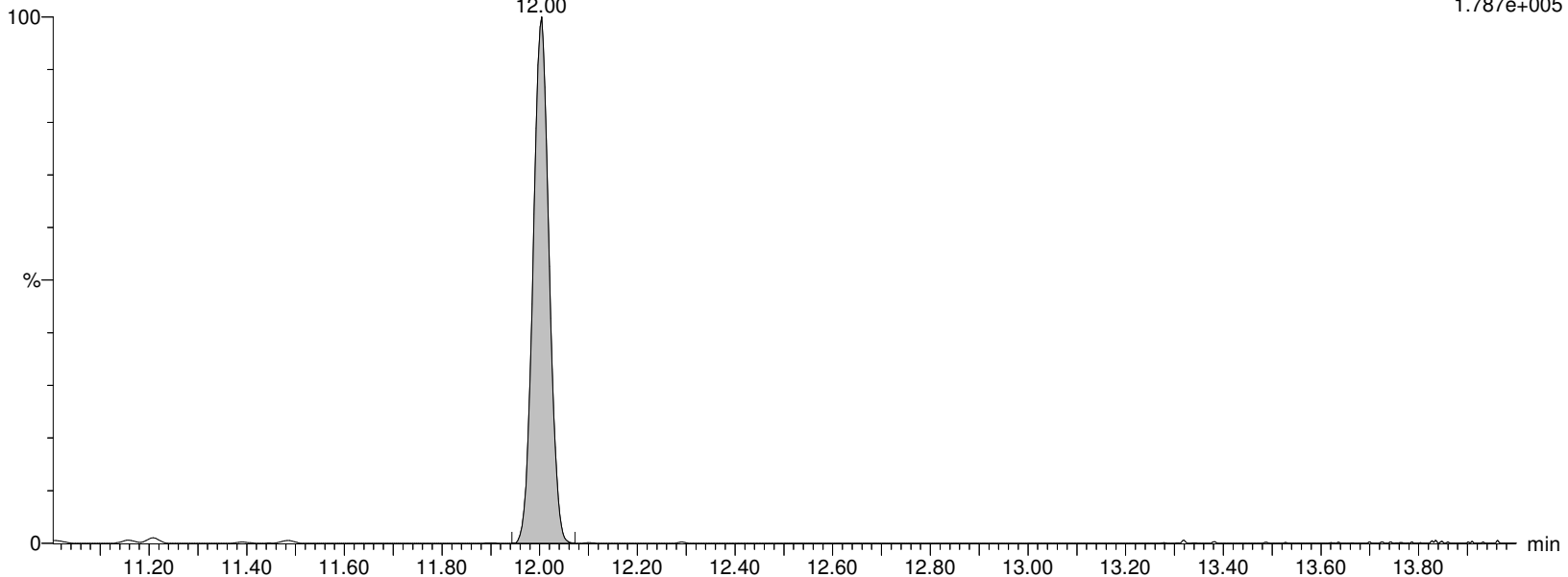
WG1310082,,537_190904_4 IA2-537STD10.0

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 319.02

1.787e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

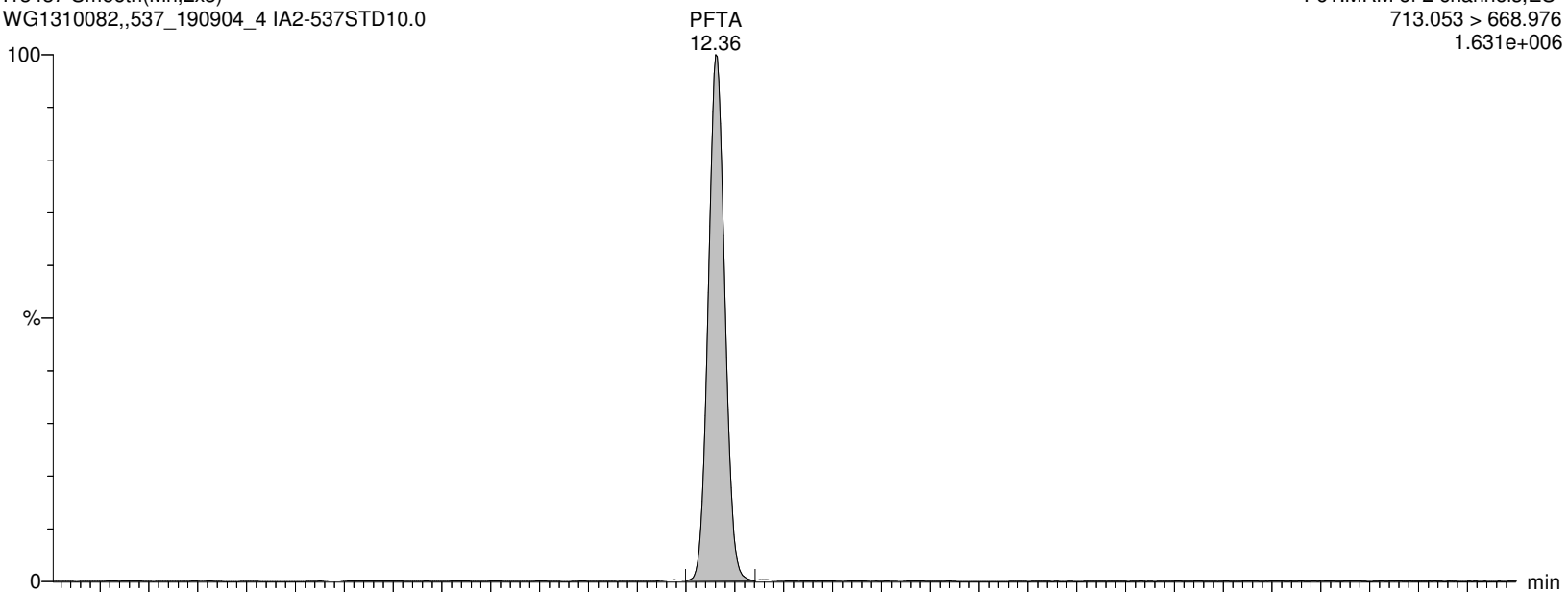
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F61:MRM of 2 channels,ES-

713.053 > 668.976

1.631e+006



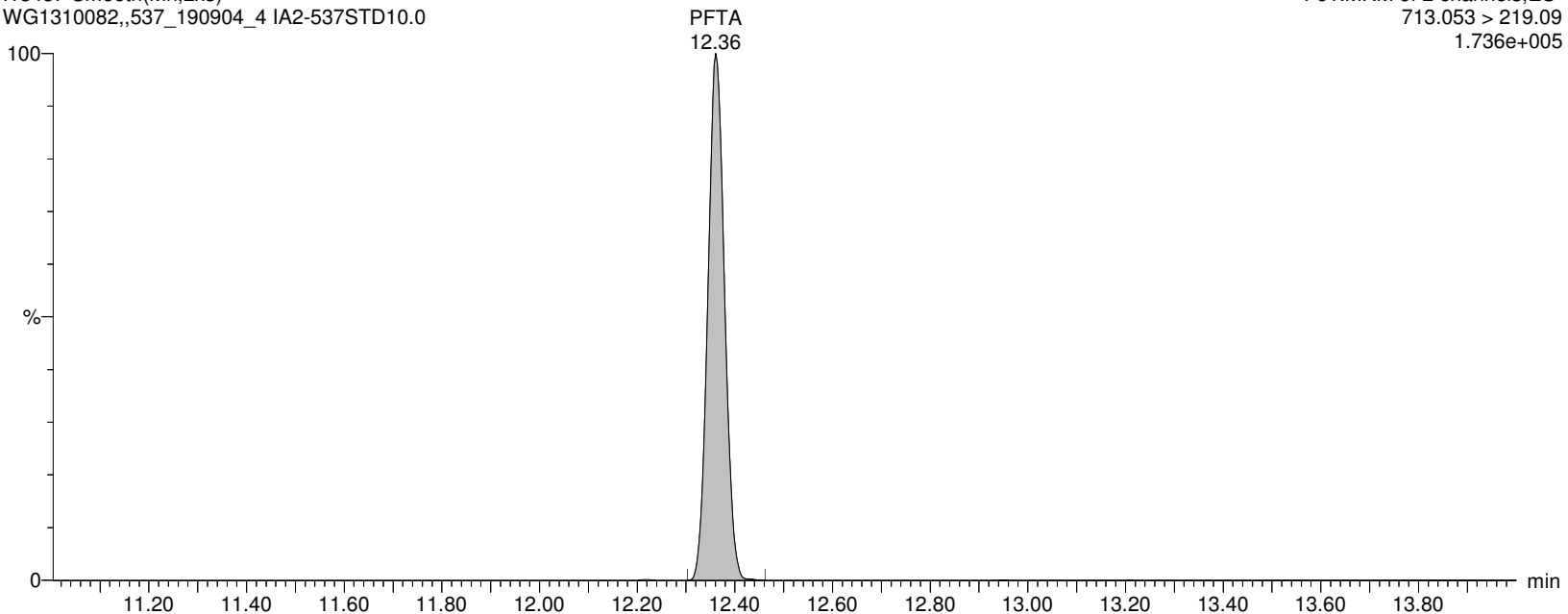
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F61:MRM of 2 channels,ES-

713.053 > 219.09

1.736e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

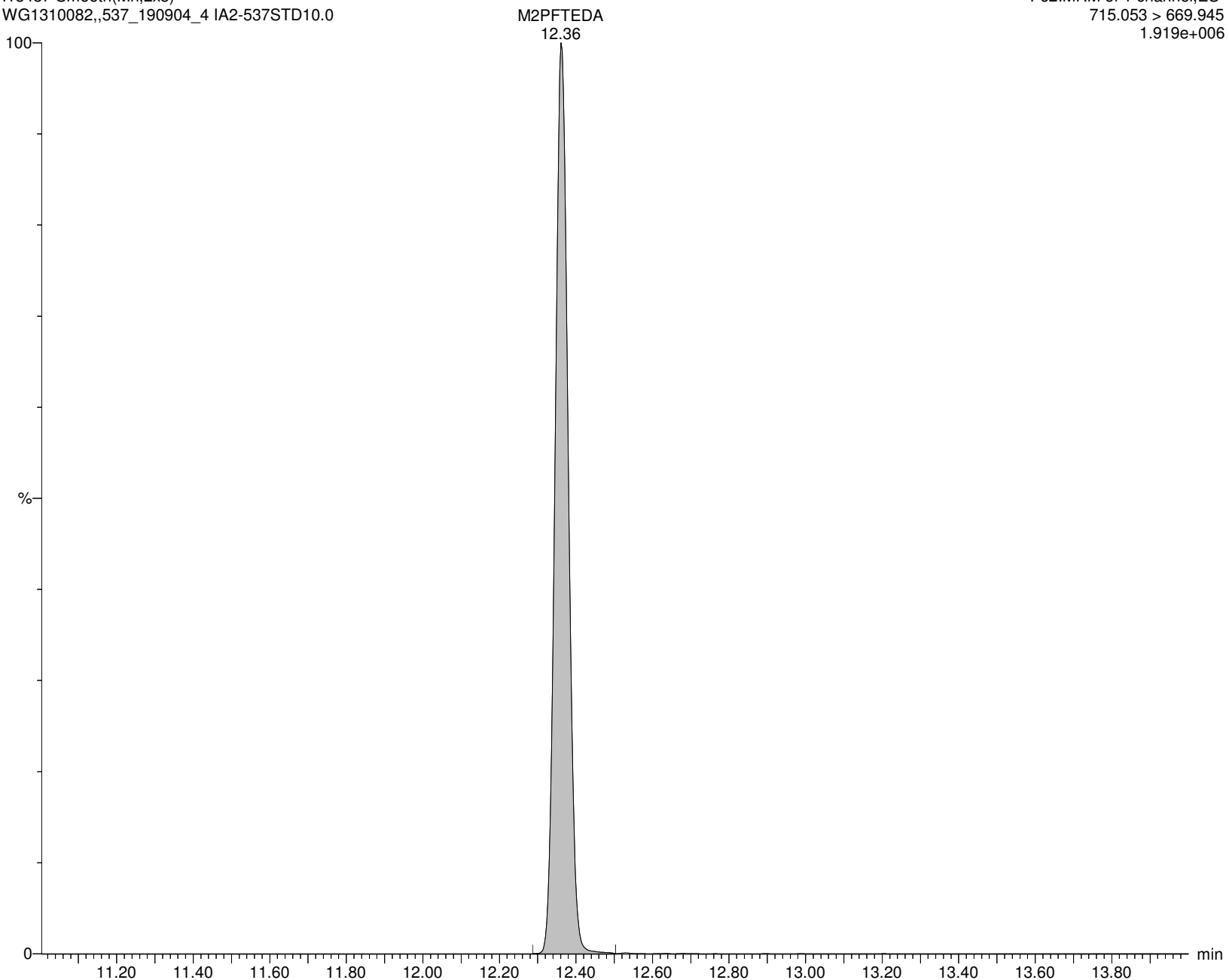
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.919e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3HFPO-DA

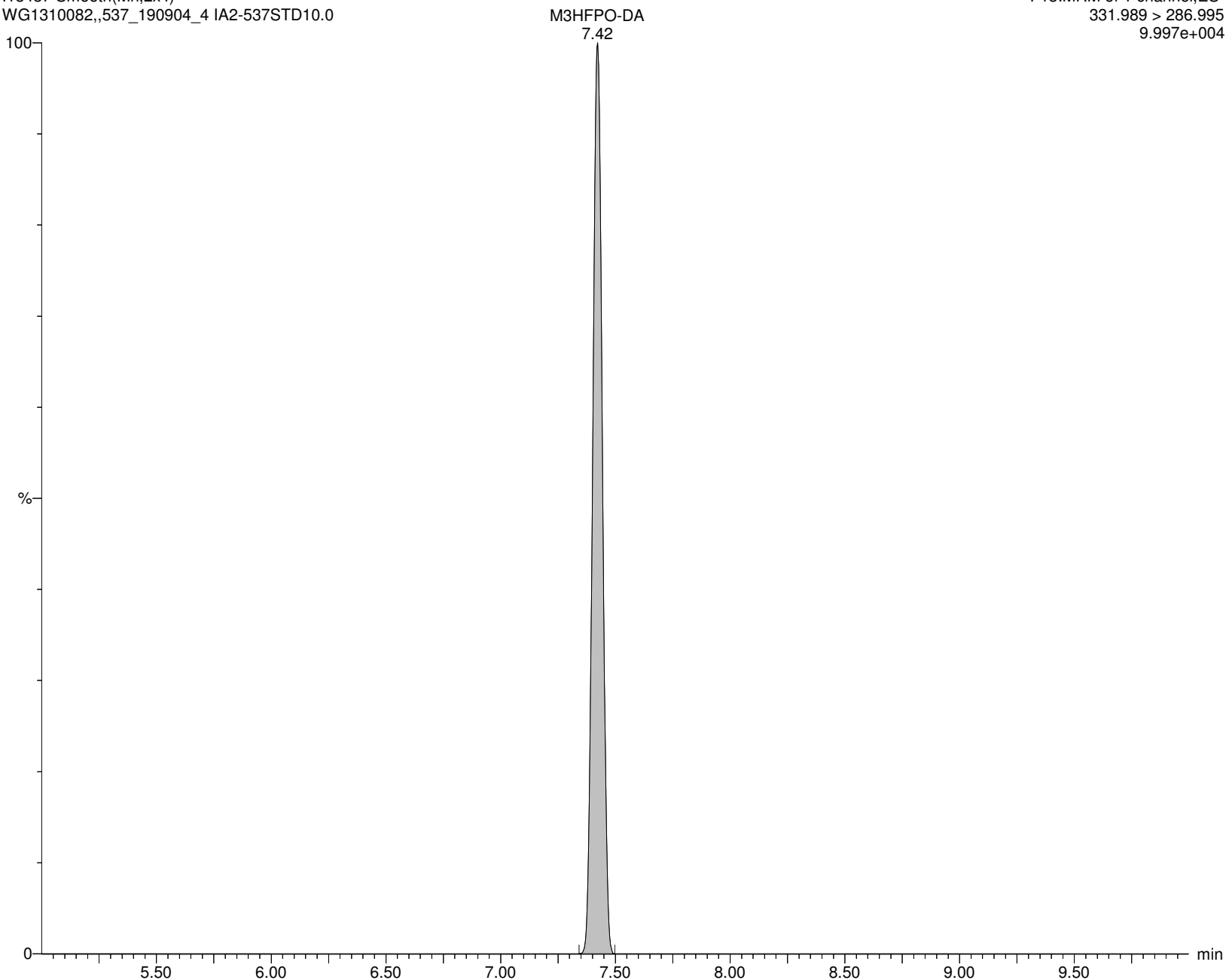
I13437 Smooth(Mn,2x4)

WG1310082,,537_190904_4 IA2-537STD10.0

F13:MRM of 1 channel,ES-

331.989 > 286.995

9.997e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

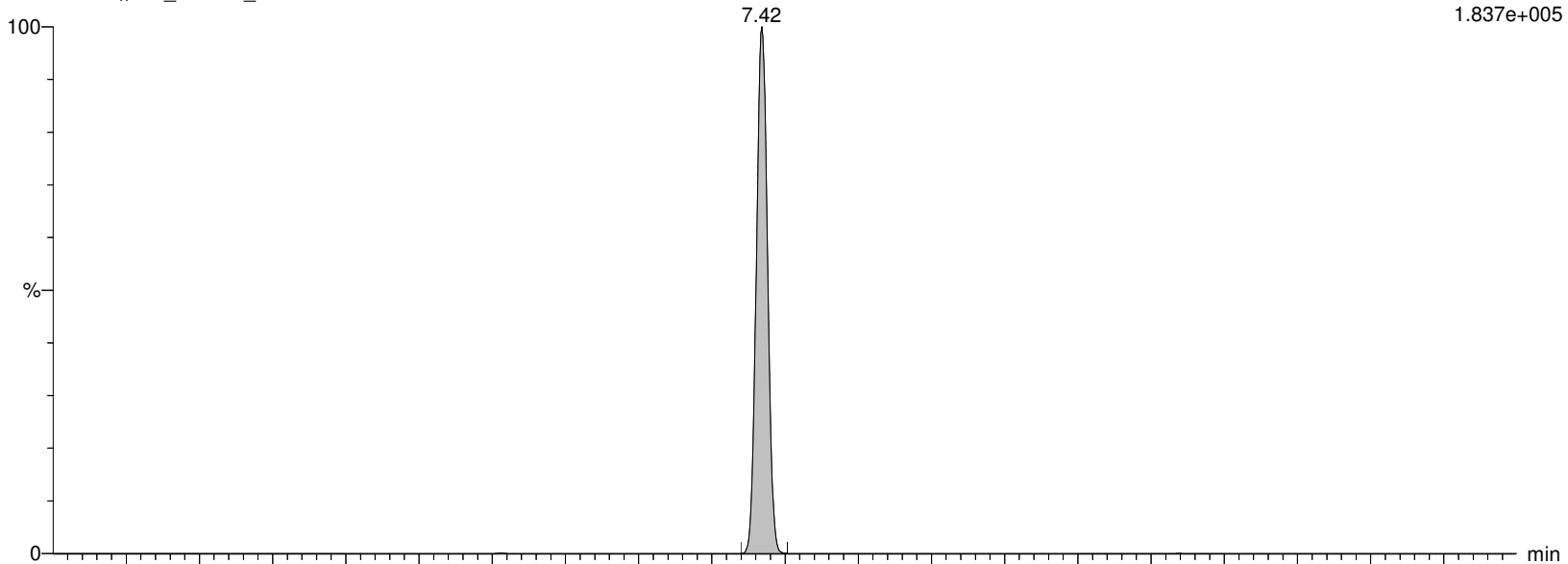
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F6:MRM of 2 channels,ES-

284.819 > 169.094

1.837e+005



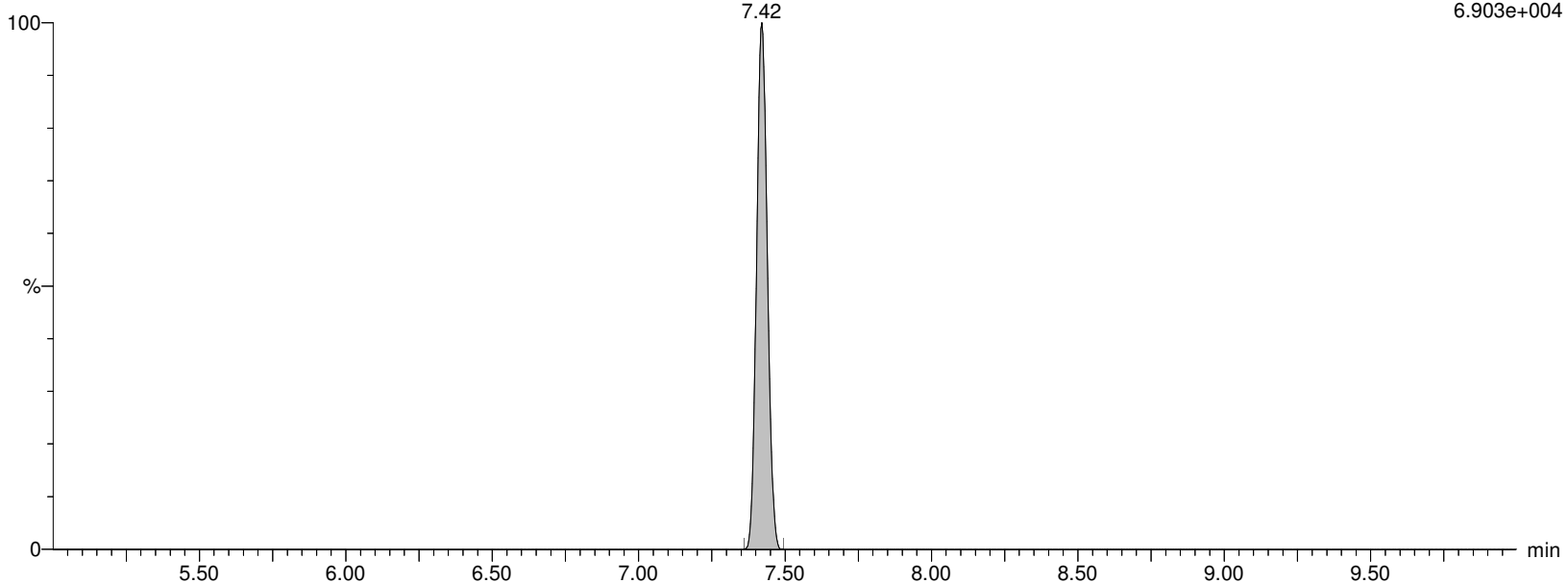
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F6:MRM of 2 channels,ES-

328.989 > 284.982

6.903e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

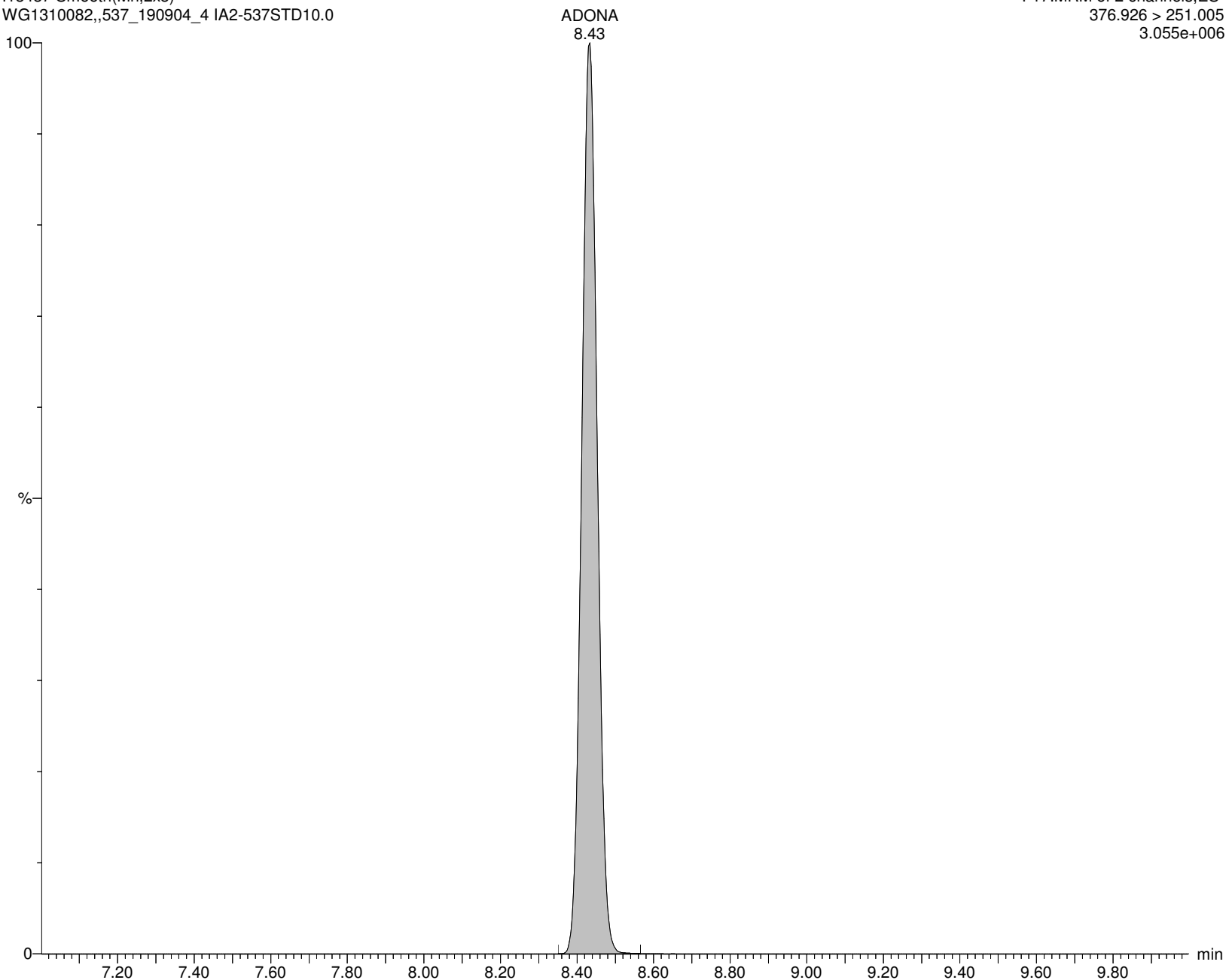
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F17:MRM of 2 channels,ES-

376.926 > 251.005

3.055e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

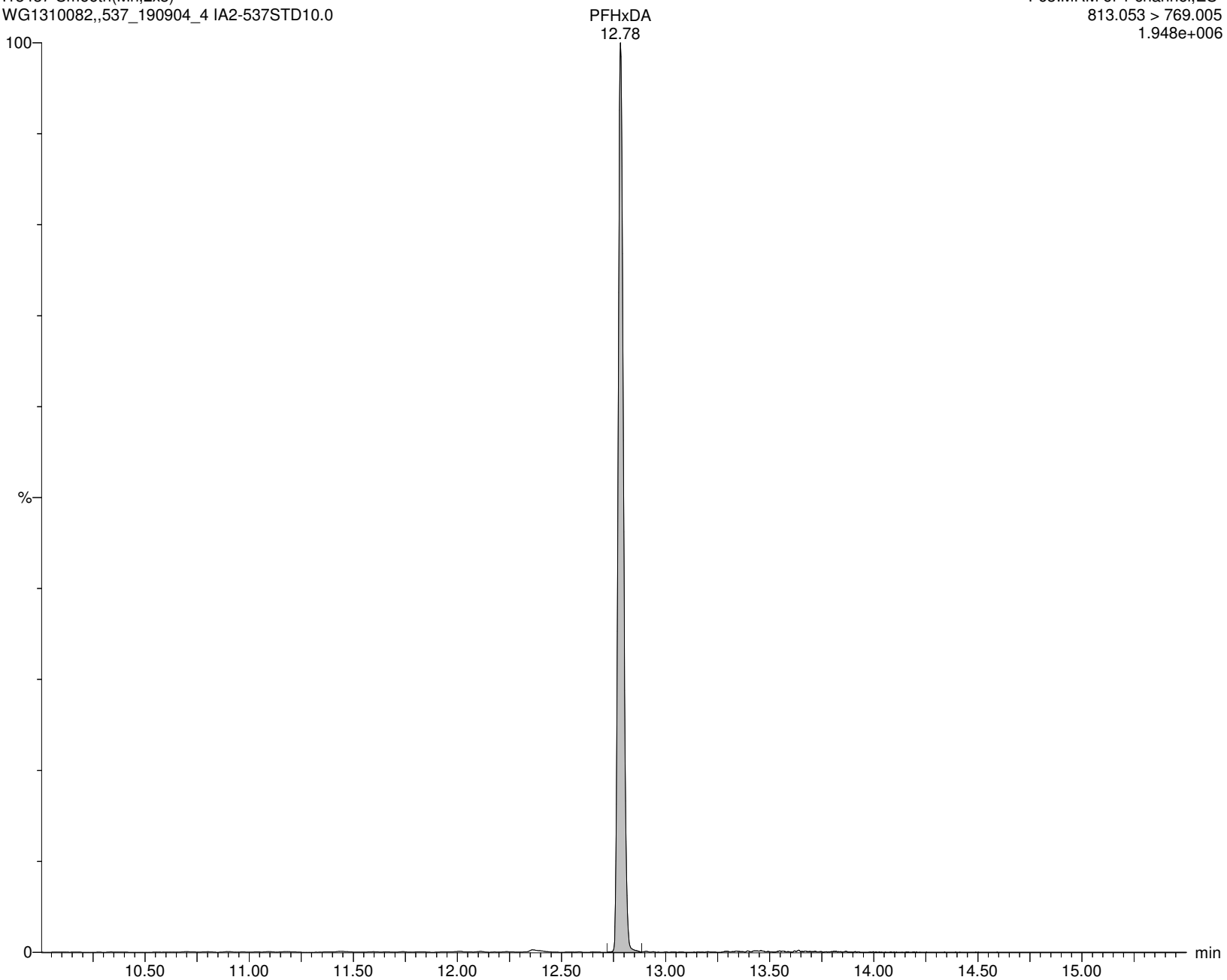
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.948e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

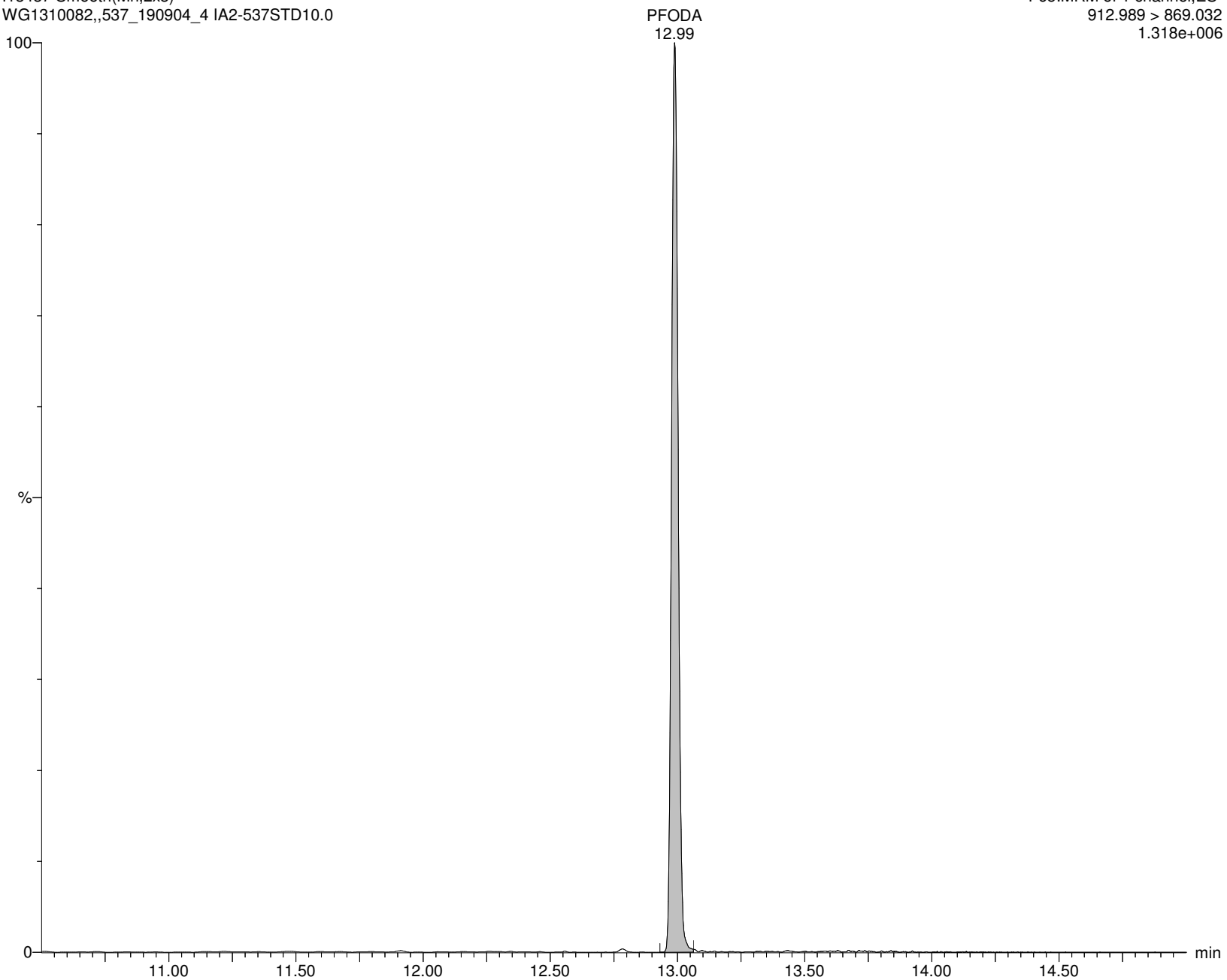
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.318e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

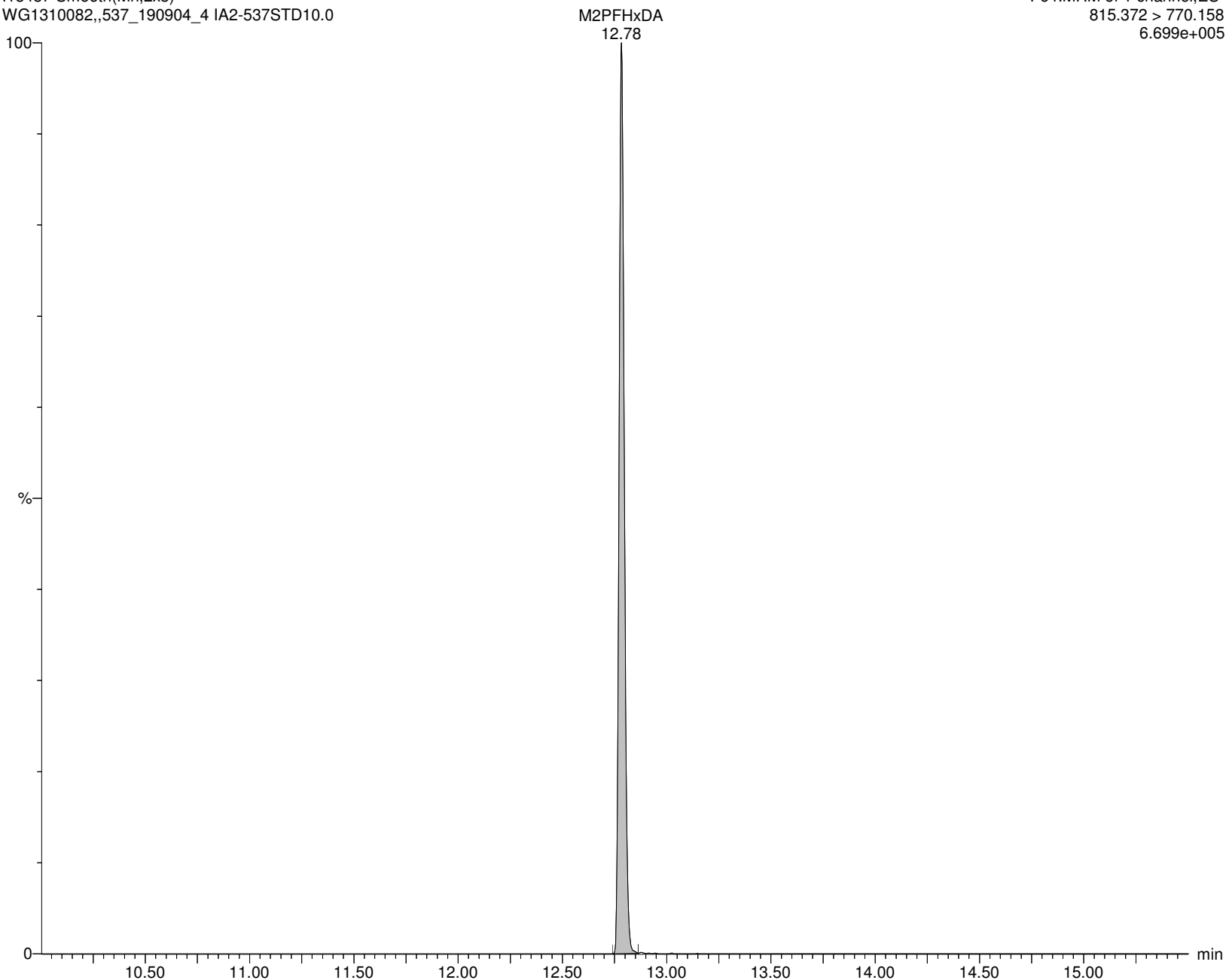
I13437 Smooth(Mn,2x3)

WG1310082,,537_190904_4 IA2-537STD10.0

F64:MRM of 1 channel,ES-

815.372 > 770.158

6.699e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13437 Smooth(Mn,2x5)

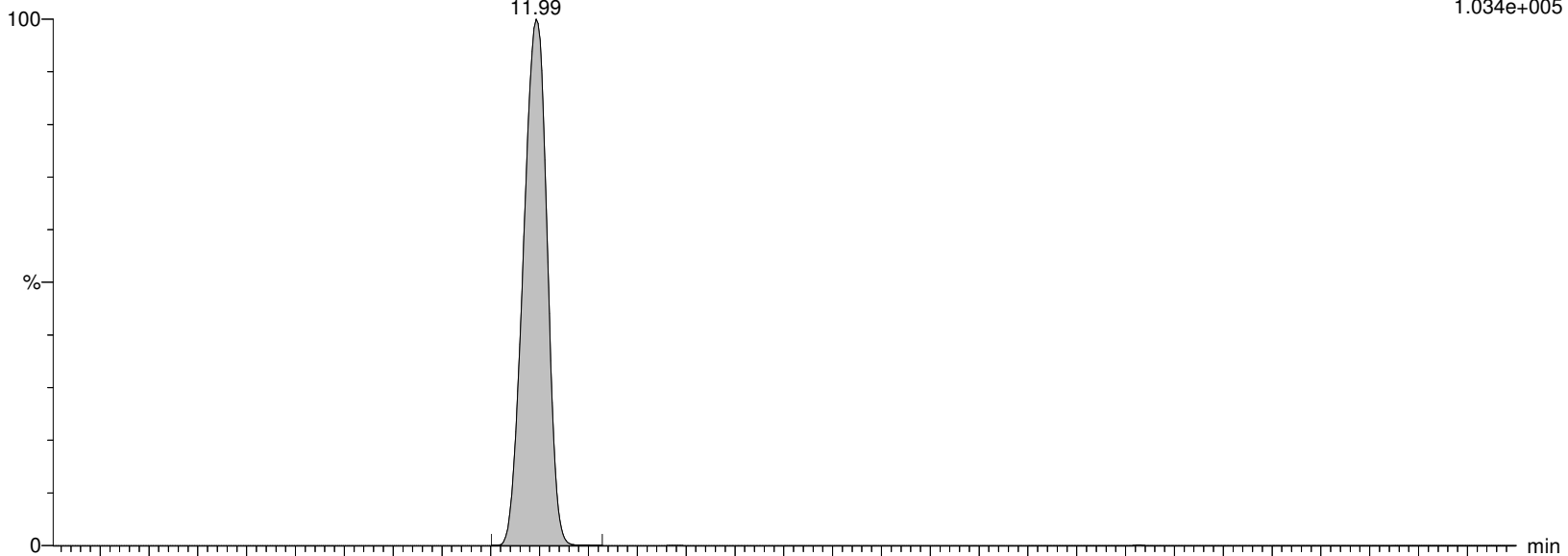
WG1310082,,537_190904_4 IA2-537STD10.0

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.034e+005



I13437 Smooth(Mn,2x5)

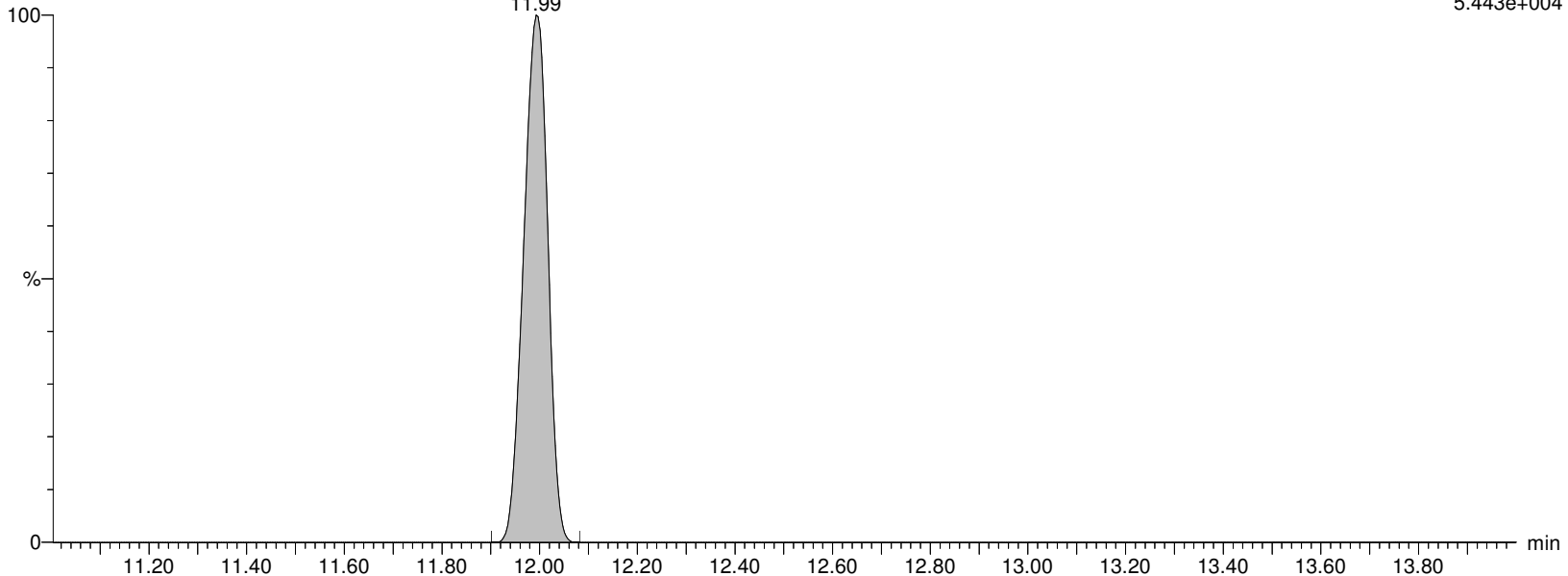
WG1310082,,537_190904_4 IA2-537STD10.0

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

5.443e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

10:2FTS

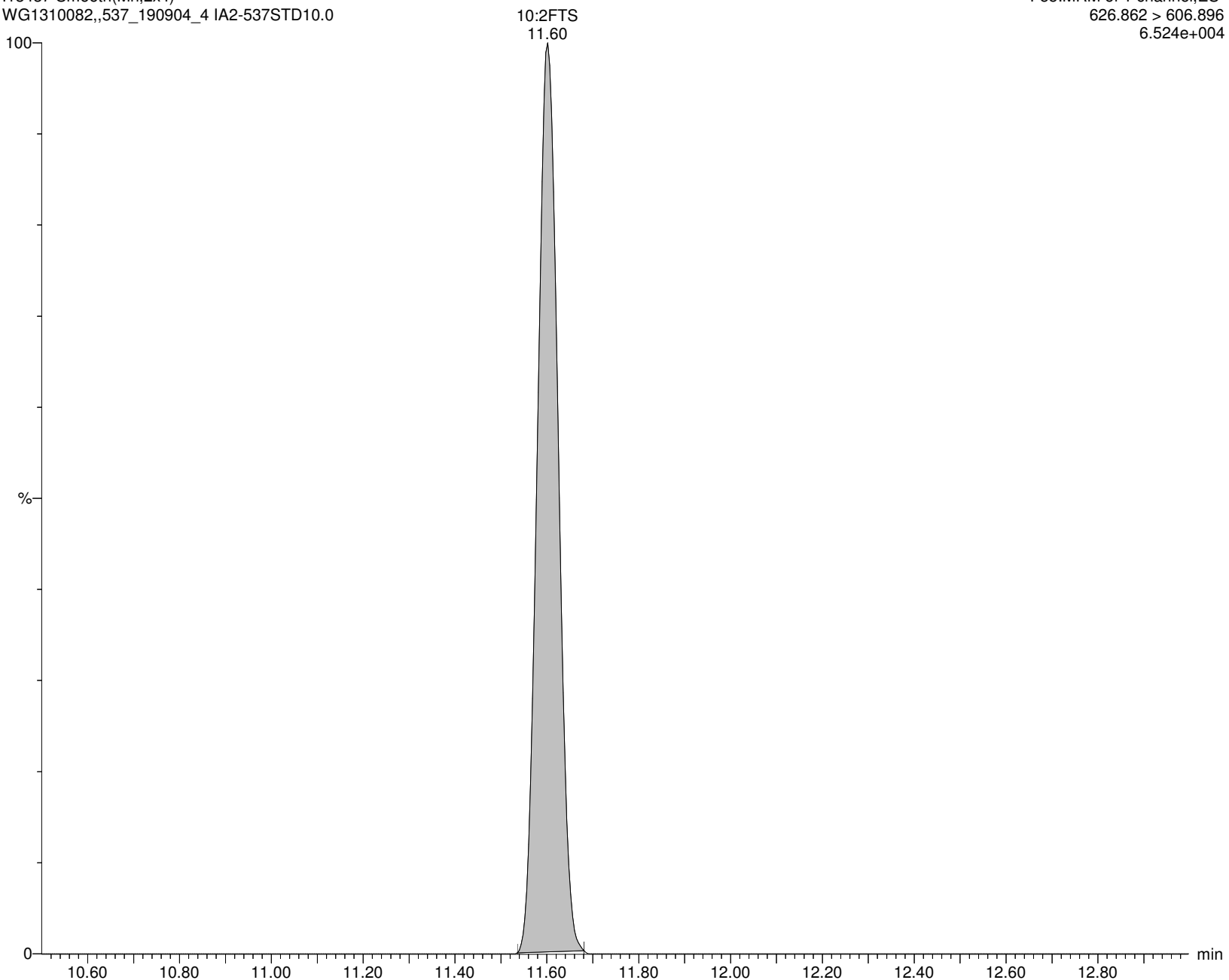
I13437 Smooth(Mn,2x4)

WG1310082,,537_190904_4 IA2-537STD10.0

F55:MRM of 1 channel,ES-

626.862 > 606.896

6.524e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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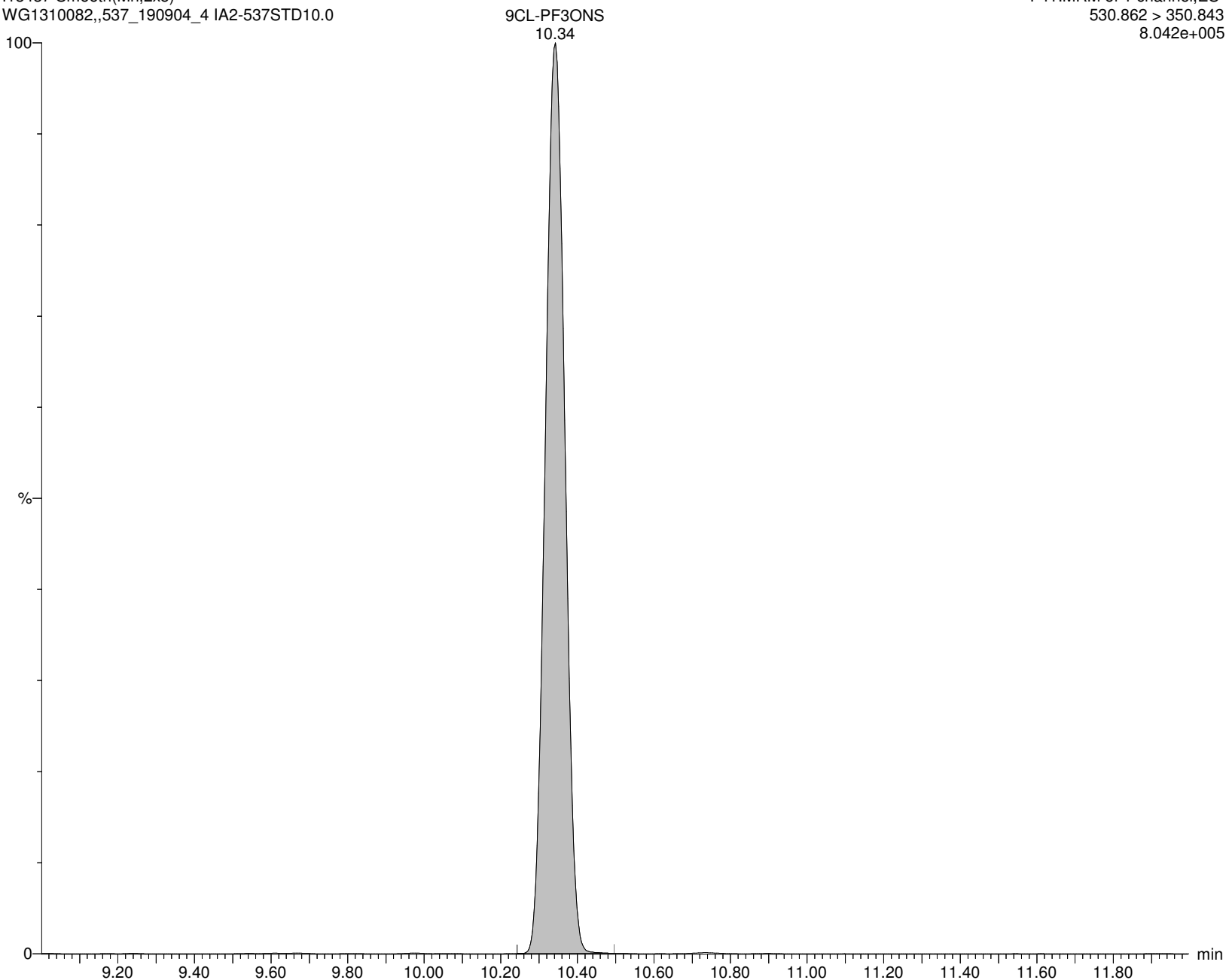
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F41:MRM of 1 channel,ES-

530.862 > 350.843

8.042e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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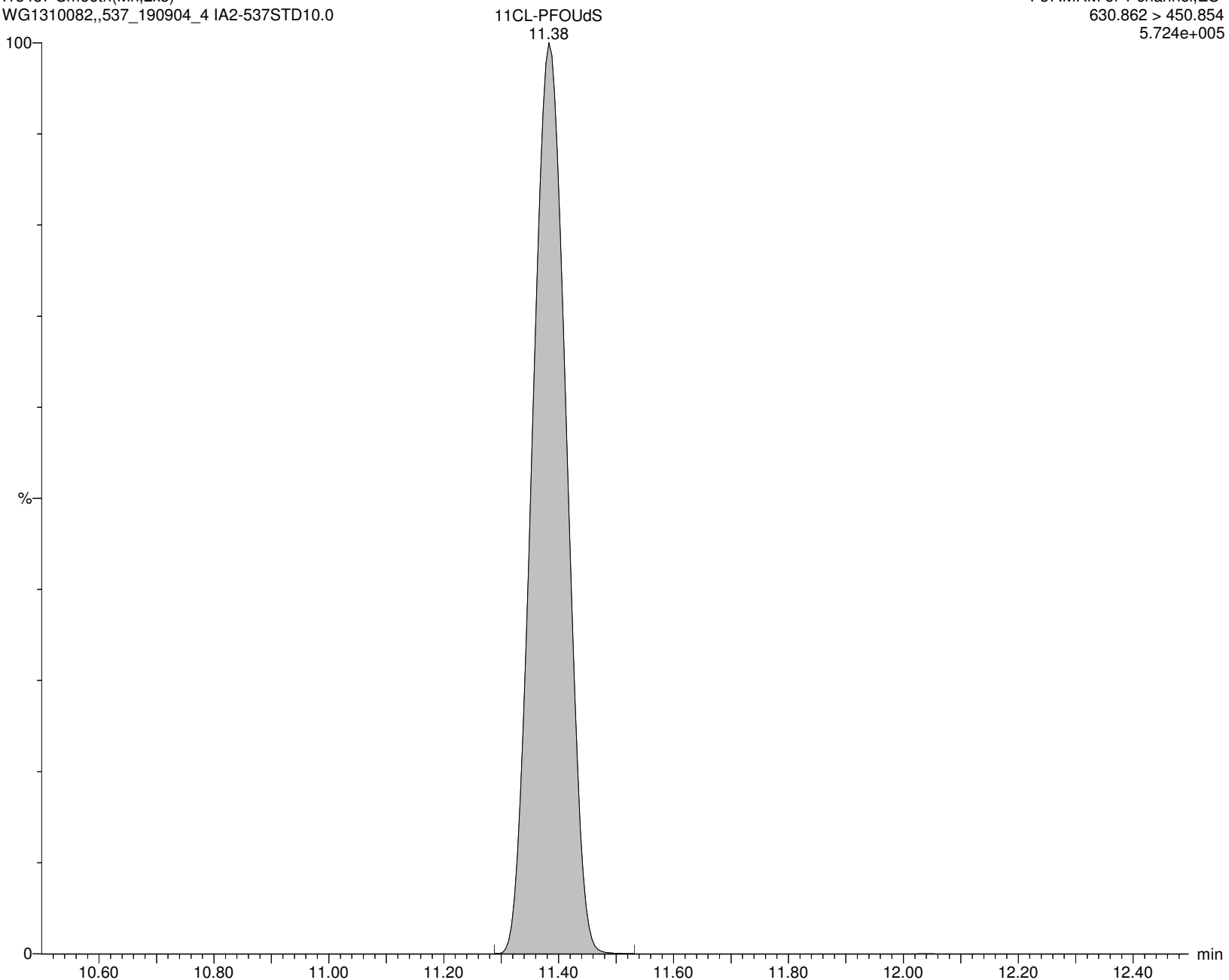
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F57:MRM of 1 channel,ES-

630.862 > 450.854

5.724e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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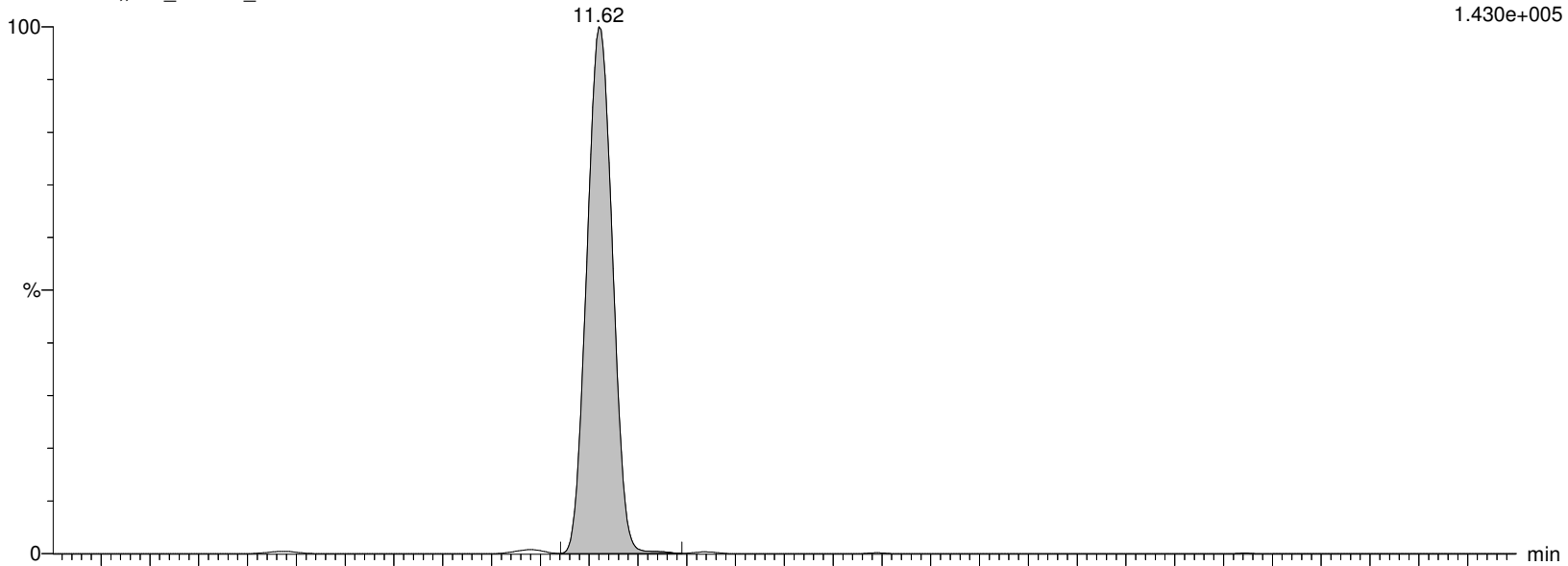
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WG1310082,,537_190904_4 IA2-537STD10.0

F33:MRM of 2 channels,ES-

511.804 > 168.906

1.430e+005



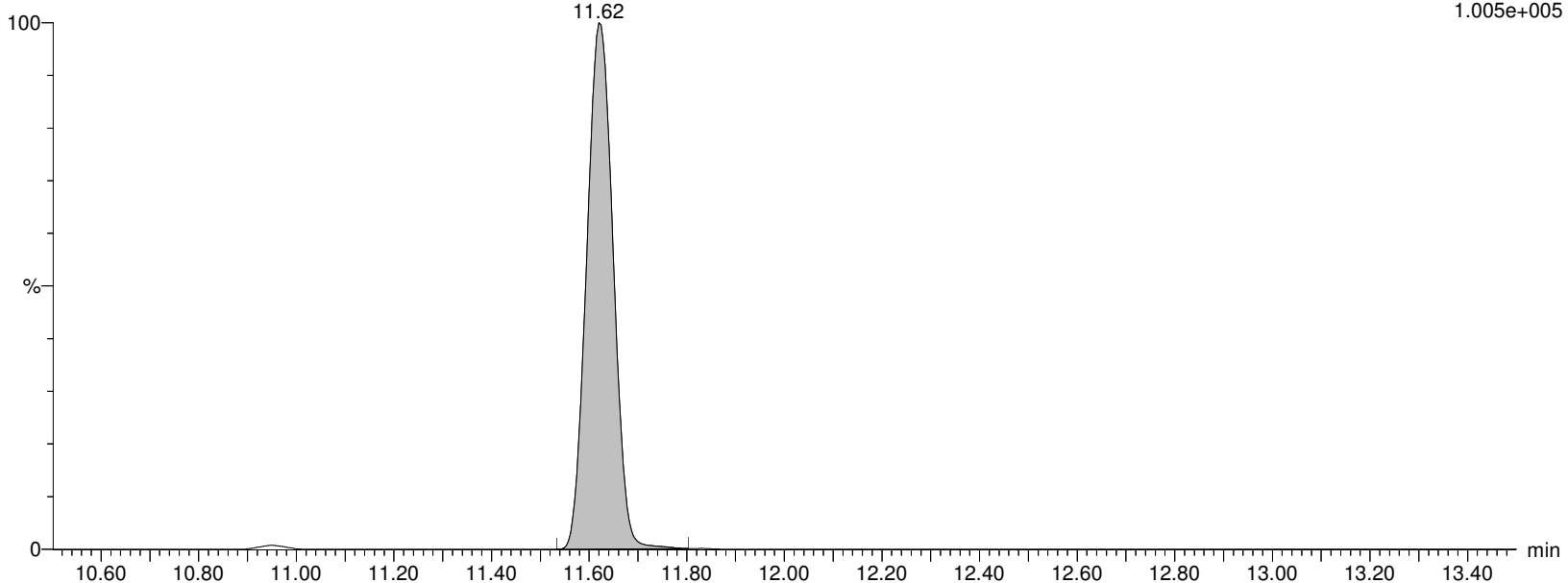
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F33:MRM of 2 channels,ES-

511.804 > 218.918

1.005e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

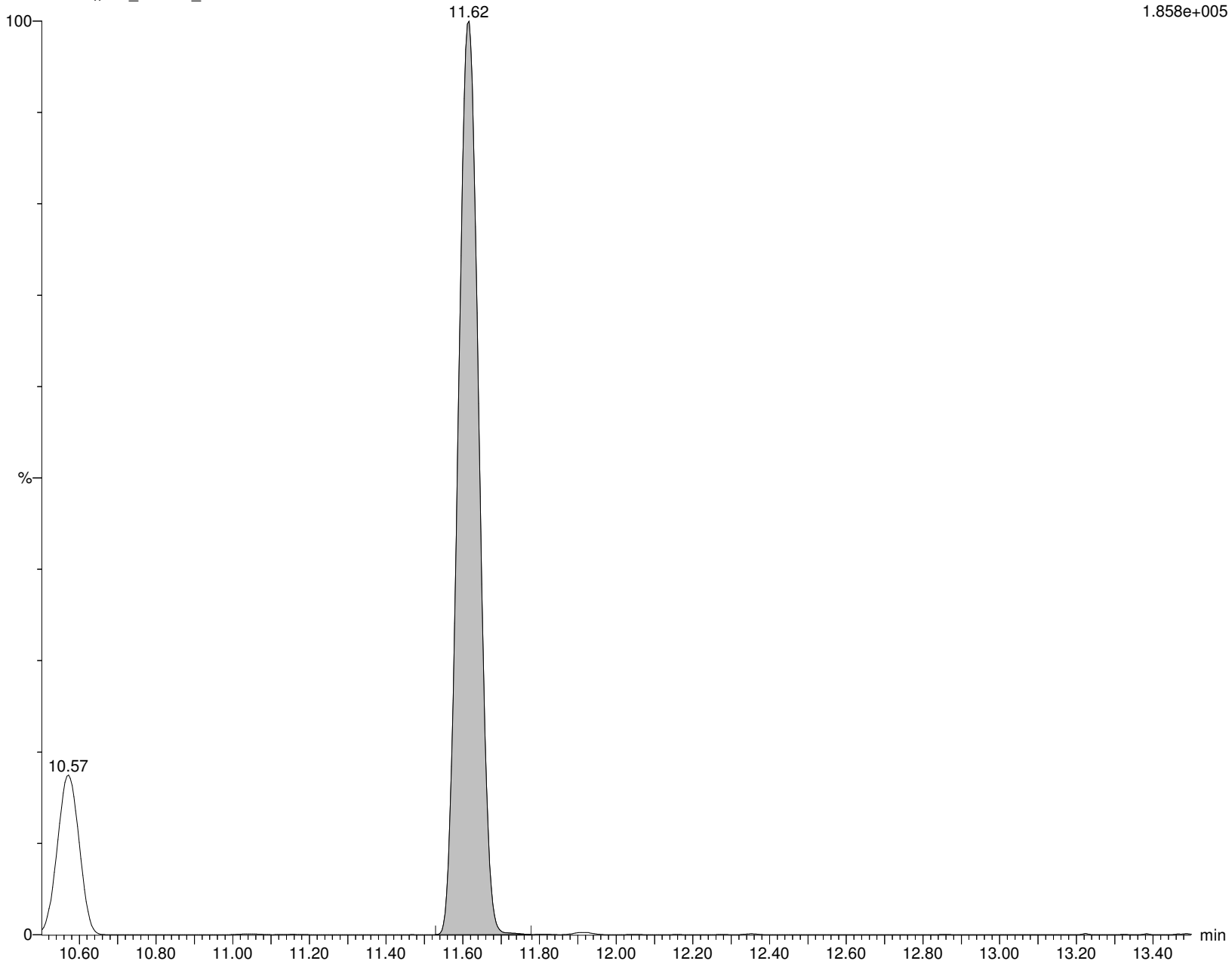
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.858e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

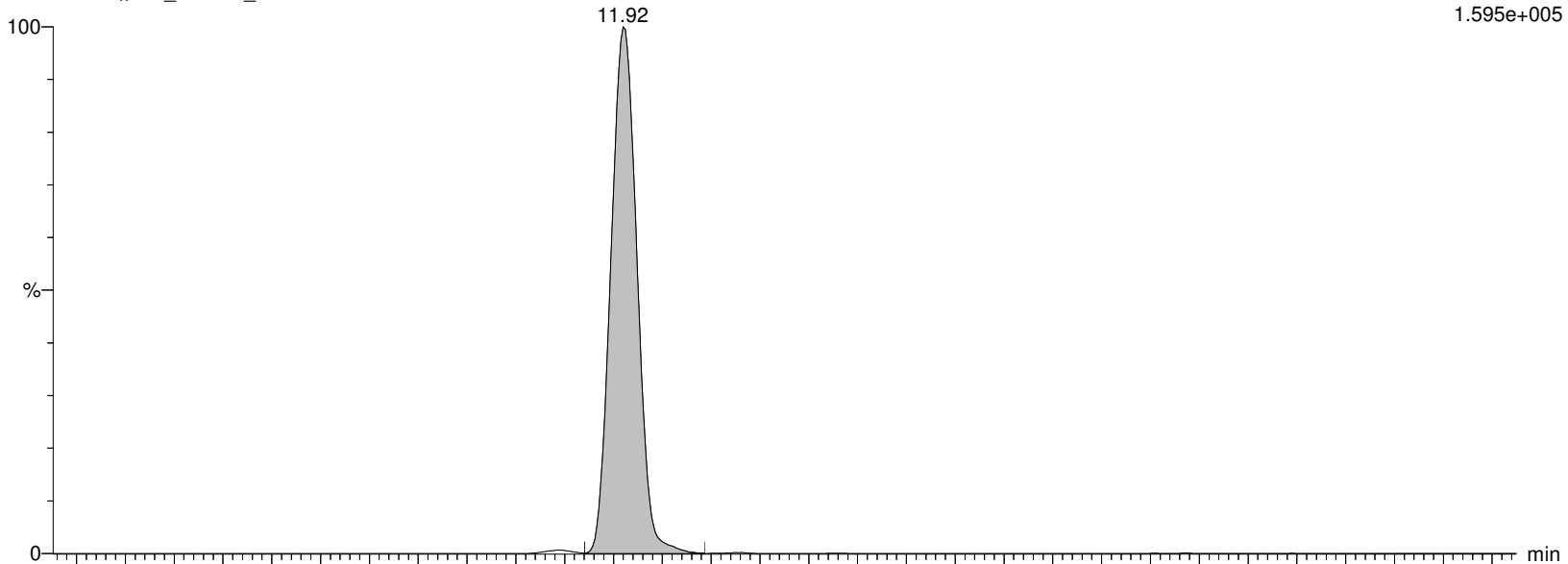
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F38:MRM of 2 channels,ES-

525.84 > 168.92

1.595e+005



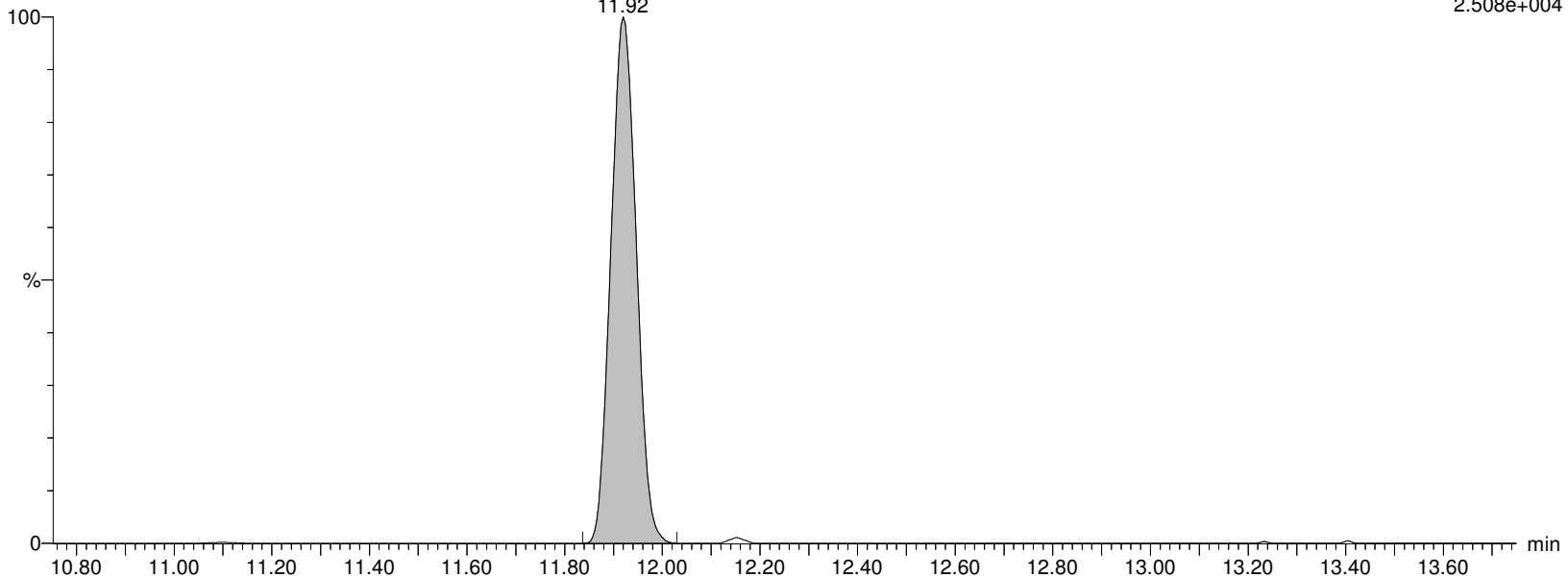
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F38:MRM of 2 channels,ES-

525.84 > 118.893

2.508e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437**ID: IA2-537STD10.0****Date: 18-Nov-2019****Time: 11:26:51****Description: WG1310082,,537_190904_4****User: LCMS02:JW****Vial: 1:A,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

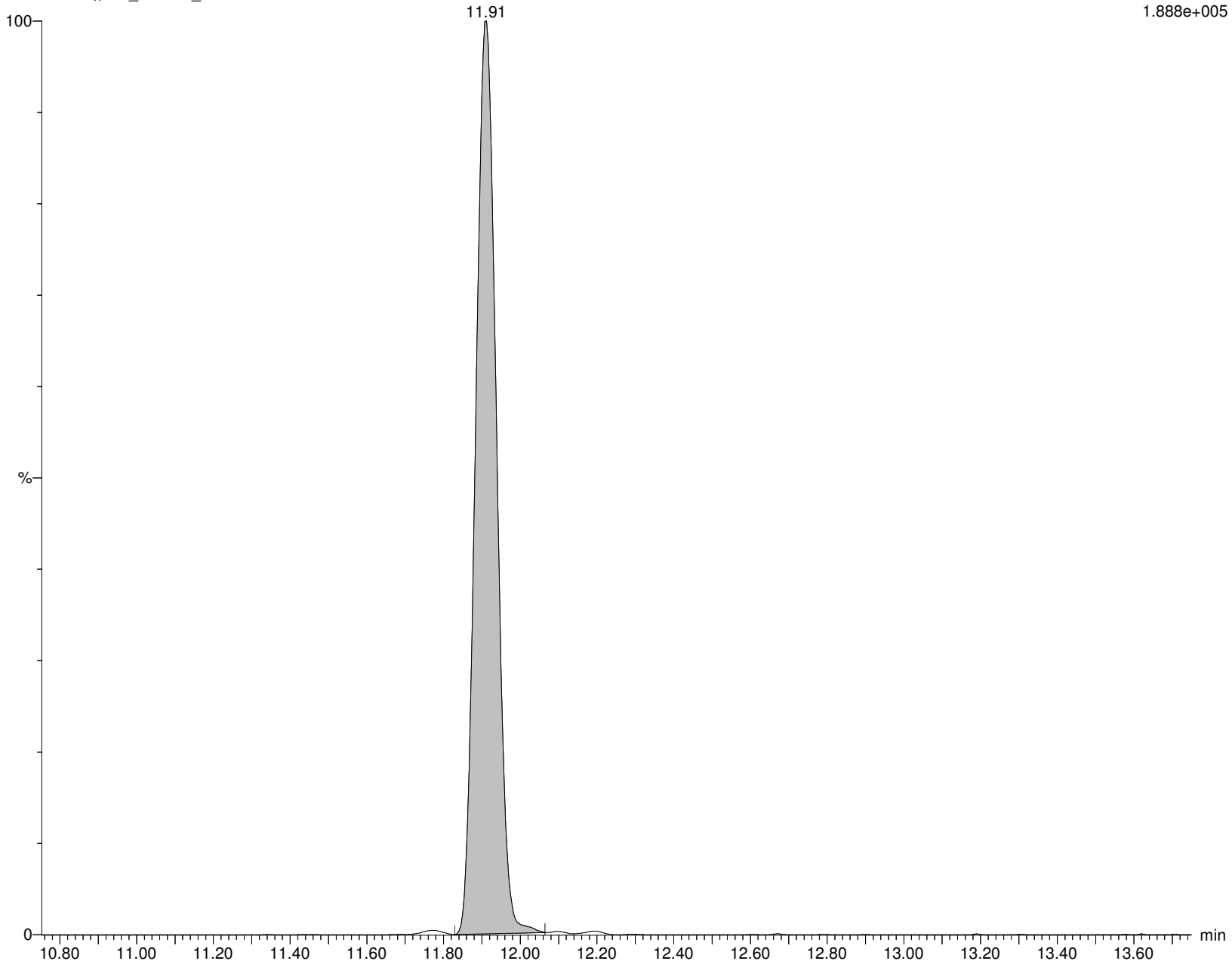
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.888e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

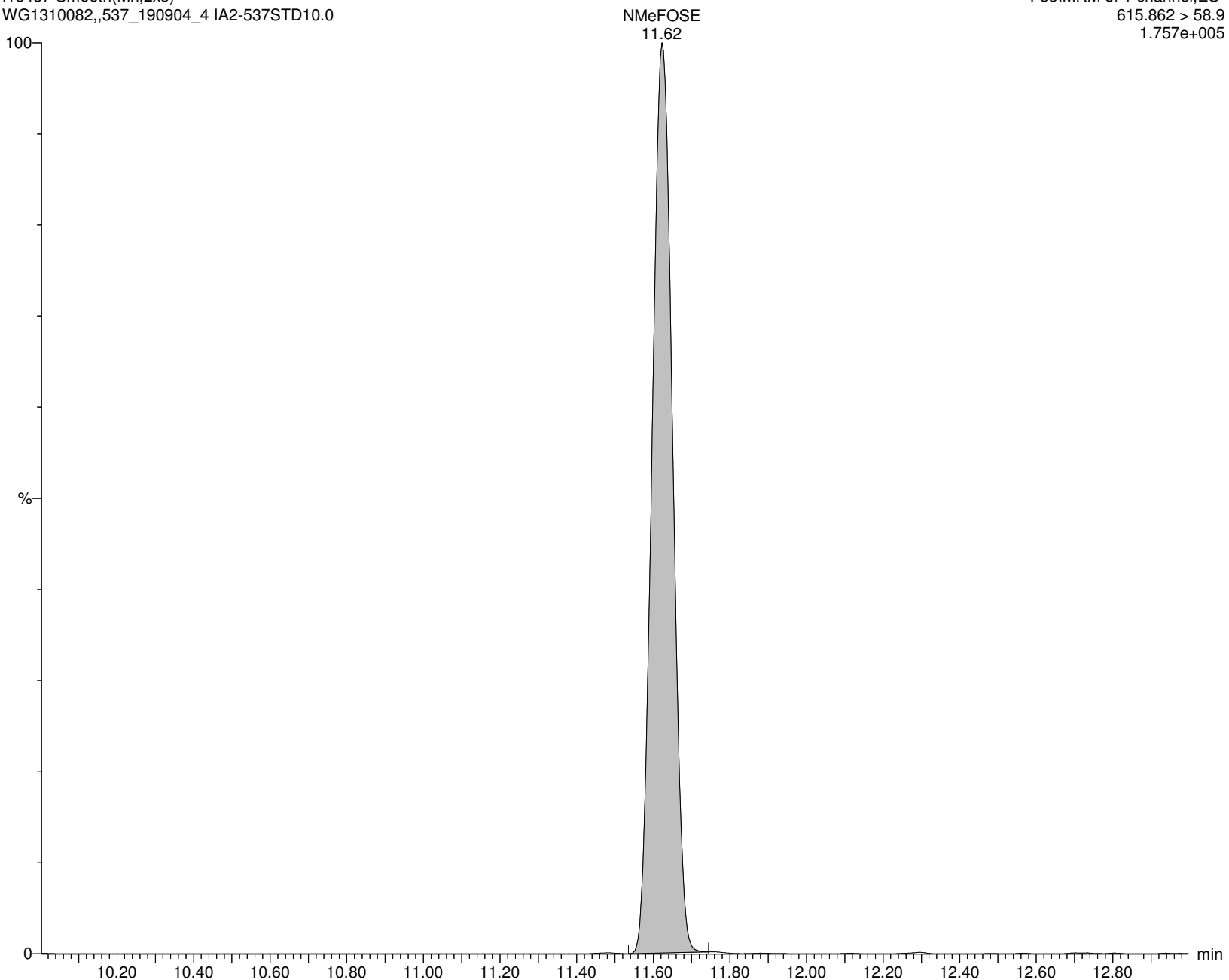
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F53:MRM of 1 channel,ES-

615.862 > 58.9

1.757e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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d7-NMeFOSE

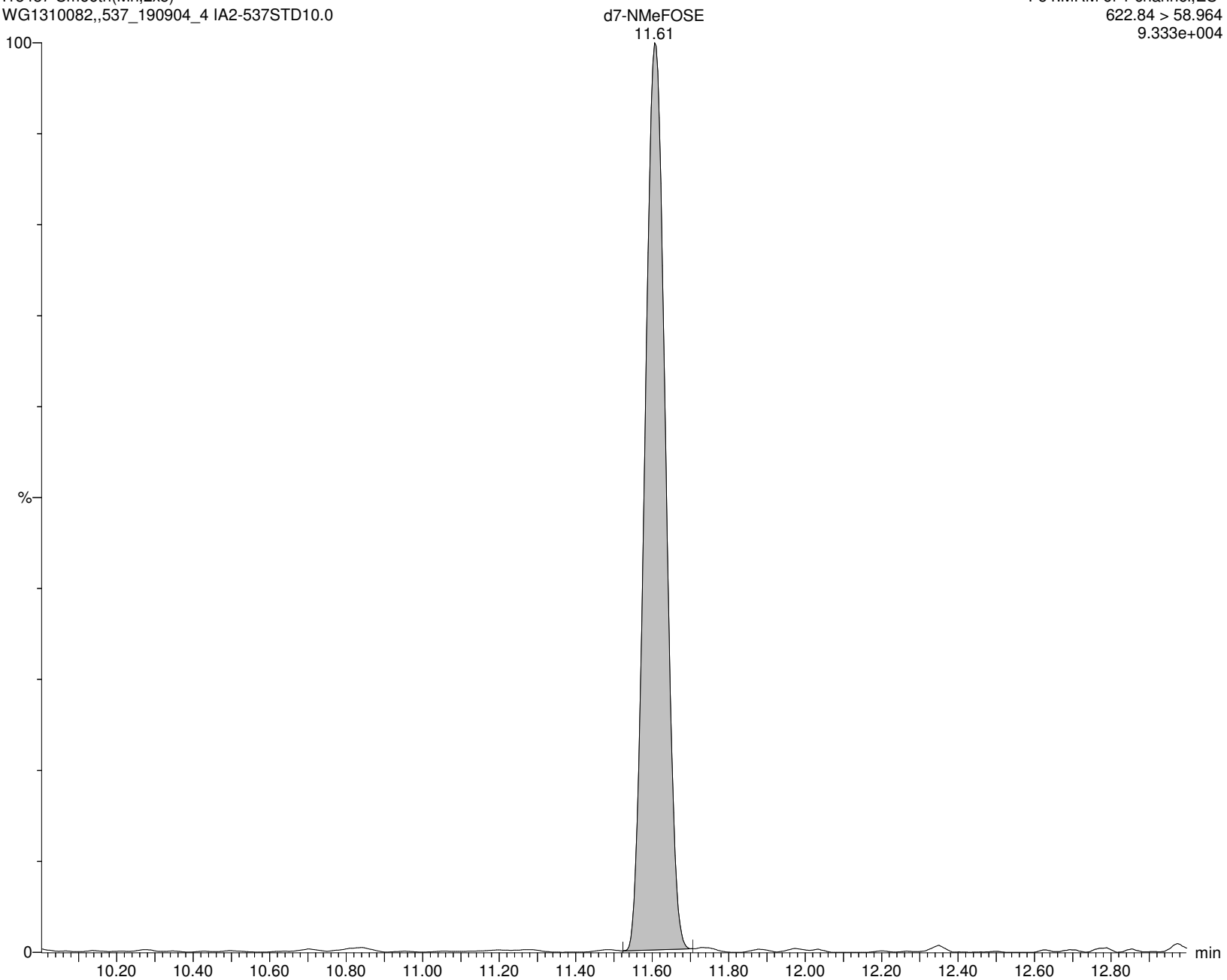
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F54:MRM of 1 channel,ES-

622.84 > 58.964

9.333e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSE

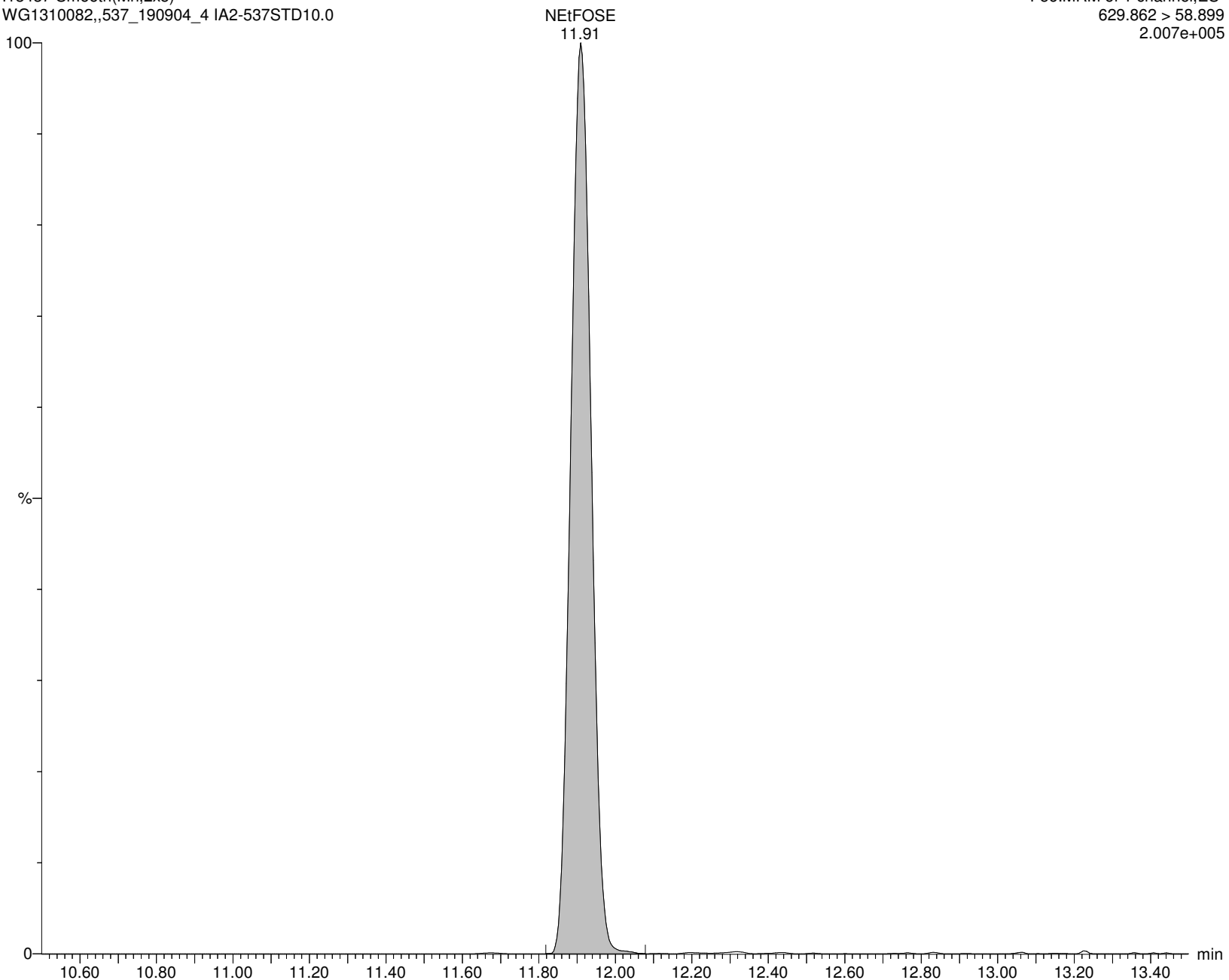
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F56:MRM of 1 channel,ES-

629.862 > 58.899

2.007e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:55 Eastern Standard Time

Name: I13437

ID: IA2-537STD10.0

Date: 18-Nov-2019

Time: 11:26:51

Description: WG1310082,,537_190904_4

User: LCMS02:JW

Vial: 1:A,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

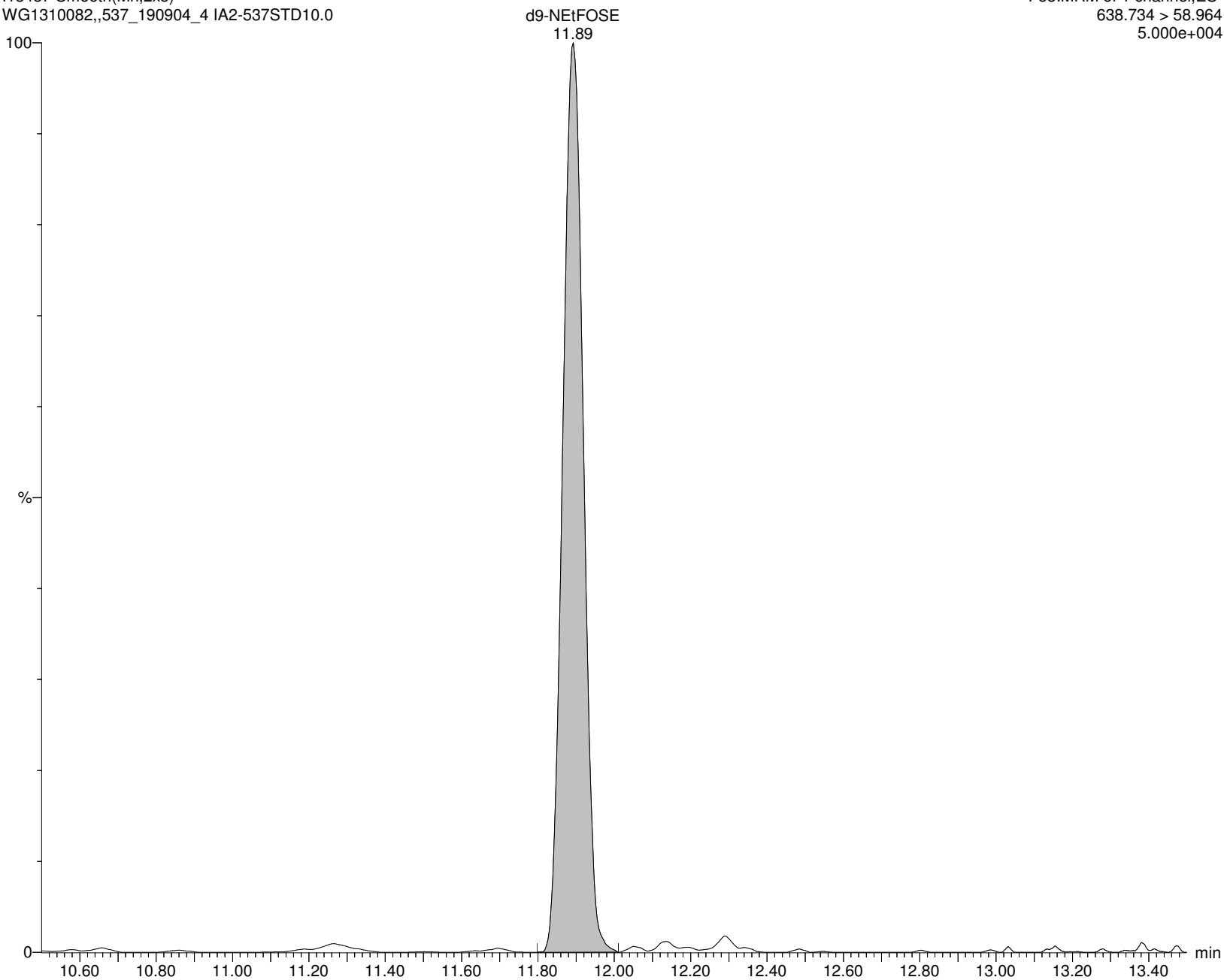
I13437 Smooth(Mn,2x5)

WG1310082,,537_190904_4 IA2-537STD10.0

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.000e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD50.0

Name: I13438

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	211671		49.930		na	99.9
2	M3PFBA	INT STD	2.19	215.926 > 172.122	46738		10.087		na	100.9
3	MPFBA	INT STD	2.19	216.926 > 172.137	50772		9.982		na	99.8
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	350630		50.254		na	100.5
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	72242		10.014		na	100.1
6	PFBS	375-73-5	5.74	298.926 > 79.923	64765		44.235	1.89	NO	100.0
7	M3PFBS	INT STD	5.75	301.989 > 80.254	9966		10.041		na	100.4
8	4:2FTS	757124-72-4	6.92	326.926 > 306.957	29144		45.413	2.16	NO	97.1
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	6682		10.370		na	103.7
10	PFHxA	307-24-4	6.99	312.989 > 269.028	385144		50.500	18.41	NO	101.0
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	82848		10.082		na	100.8
12	PFPeS	2706-91-4	7.31	348.926 > 80.251	44566		46.448	1.79	NO	98.8
13	PFHpA	375-85-9	8.26	362.926 > 319.014	506167		51.681	5.83	NO	103.4
14	M4PFHpA	INT STD	8.26	366.926 > 321.979	108577		9.920		na	99.2
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	5932	M5	8.333	2.23	NO	98.0
16	L-PFHxS	355-46-4	8.42	398.926 > 80.295	26815		37.313	1.13	NO	100.8
17	PFHxS	355-46-4		398.926 > 80.295	32747		45.646		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	5737		10.015		na	100.2
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.20	412.989 > 368.9	491336		50.111	9.97	NO	100.2
21	PFOA	335-67-1		412.989 > 368.9	491336		50.111		na	
22	M8PFOA	INT STD	9.20	420.989 > 375.979	106782		10.166		na	101.7
23	M2PFOA	INT STD	9.20	415.032 > 369.968	107343		10.154		na	101.5
24	6:2FTS	27619-97-2	9.16	426.989 > 406.921	22888		45.588	10.94	NO	96.0
25	M2-6:2FTS	INT STD	9.16	428.989 > 408.917	6924		10.995		na	109.9
26	PFHpS	375-92-8	9.29	448.926 > 80.257	24824		49.296	0.86	YES	103.8
27	PFNA	375-95-1	9.95	462.989 > 418.931	434642		50.925	4.52	NO	101.8
28	M9PFNA	INT STD	9.95	472.053 > 426.947	104183		10.081		na	100.8
29	br-PFOS	1763-23-1	9.81	498.989 > 80.294	9375	M5	9.110	4.54	NO	91.1
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	27678		36.880	1.51	YES	101.0
31	PFOS	1763-23-1		498.989 > 80.294	37053		45.990		na	
32	M4PFOS	INT STD	10.00	503.032 > 80.306	7090		10.152		na	101.5
33	M8PFOS	INT STD	10.00	507.053 > 80.294	7647		10.511		na	105.1
34	PFDA	335-76-2	10.58	513.053 > 468.906	409067		51.371	6.93	NO	102.7
35	M2PFDA	INT STD	10.58	515.053 > 469.934	89580		10.146		na	101.5
36	M6PFDA	INT STD	10.58	519.053 > 473.931	92827		10.027		na	100.3
37	8:2FTS	39108-34-4	10.57	526.926 > 506.818	17680		44.549		na	92.8
38	M2-8:2FTS	INT STD	10.57	529.053 > 508.945	4282		11.592		na	115.9
39	PFNS	68259-12-1	10.61	548.989 > 80.249	34941		49.120	1.23	NO	102.3

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

ID: IA2-537STD50.0

Name: I13438

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.96	573.096 > 418.987	10035		9.518		na	95.2
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	51048		54.582	2.68	NO	109.2
43	NMeFOSAA	2355-31-9		570.053 > 418.917	51048		54.582		na	
44	PFUnA	2058-94-8	11.12	562.989 > 518.903	396063		49.990	7.94	NO	100.0
45	M7-PFUDA	INT STD	11.12	570.053 > 524.923	82849		10.087		na	100.9
46	PFDS	335-77-3	11.13	598.926 > 80.314	25123		49.411	1.00	NO	102.4
47	FOSA	754-91-6	11.01	497.989 > 78.245	116432		51.200	129.12	NO	102.4
48	M8FOSA	INT STD	11.01	506.053 > 78.286	21401		9.777		na	97.8
49	d5-NEtFOSAA	INT STD	11.25	589.117 > 418.929	7892		8.474		na	84.7
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.26	583.989 > 418.927	44566		59.815	2.59	NO	119.6
52	NEtFOSAA	2991-50-6		583.989 > 418.927	44566		59.815		na	
53	PFDaA	307-55-1	11.59	612.989 > 568.967	409028		50.488	14.39	NO	101.0
54	MPFDOA	INT STD	11.59	614.989 > 569.92	95651		10.381		na	103.8
55	PFTrDA	72629-94-8	12.00	663.053 > 618.969	320248		50.655	11.40	NO	101.3
56	PFTA	376-06-7	12.36	713.053 > 668.976	294391		49.694	9.09	NO	99.4
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	73975		10.107		na	101.1
58	M3HFPO-DA	INT STD	7.42	331.989 > 286.995	8243		179.113		na	89.6
59	HFPO-DA	13252-13-6	7.42	284.819 > 169.094	69989		1022.673	2.72	YES	102.3
60	ADONA	958445-44-8	8.44	376.926 > 251.005	687811		48.997		na	103.6
61	PFHxDA		12.78	813.053 > 769.005	269633		49.164		na	98.3
62	PFODA		12.98	912.989 > 869.032	185708		46.110		na	92.2
63	M2PFHxDA		12.78	815.372 > 770.158	15306		9.825		na	98.2
64	PFDoS		12.00	698.649 > 79.853	28014		54.048	1.99	YES	108.1
65	10:2FTS		11.61	626.862 > 606.896	18204		46.805		na	97.1
66	9CL-PF3ONS		10.35	530.862 > 350.843	237445		47.245		na	101.4
67	11CL-PFOUdS		11.39	630.862 > 450.854	200296		47.274		na	100.4
68	NMeFOSA		11.62	511.804 > 168.906	45477		52.480	1.49	NO	105.0
69	d3-NMeFOSA		11.62	514.84 > 168.917	11659		10.213		na	102.1
70	NEtFOSA		11.92	525.84 > 168.92	49117		52.606	6.00	NO	105.2
71	d5-NEtFOSA		11.91	530.904 > 168.919	10656		9.543		na	95.4
72	NMeFOSE		11.63	615.862 > 58.9	54087		49.204		na	98.4
73	d7-NMeFOSE		11.61	622.84 > 58.964	5434		10.163		na	101.6
74	NEtFOSE		11.91	629.862 > 58.899	65148		59.318		na	118.6
75	d9-NEtFOSE		11.89	638.734 > 58.964	2782		8.900		na	89.0

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

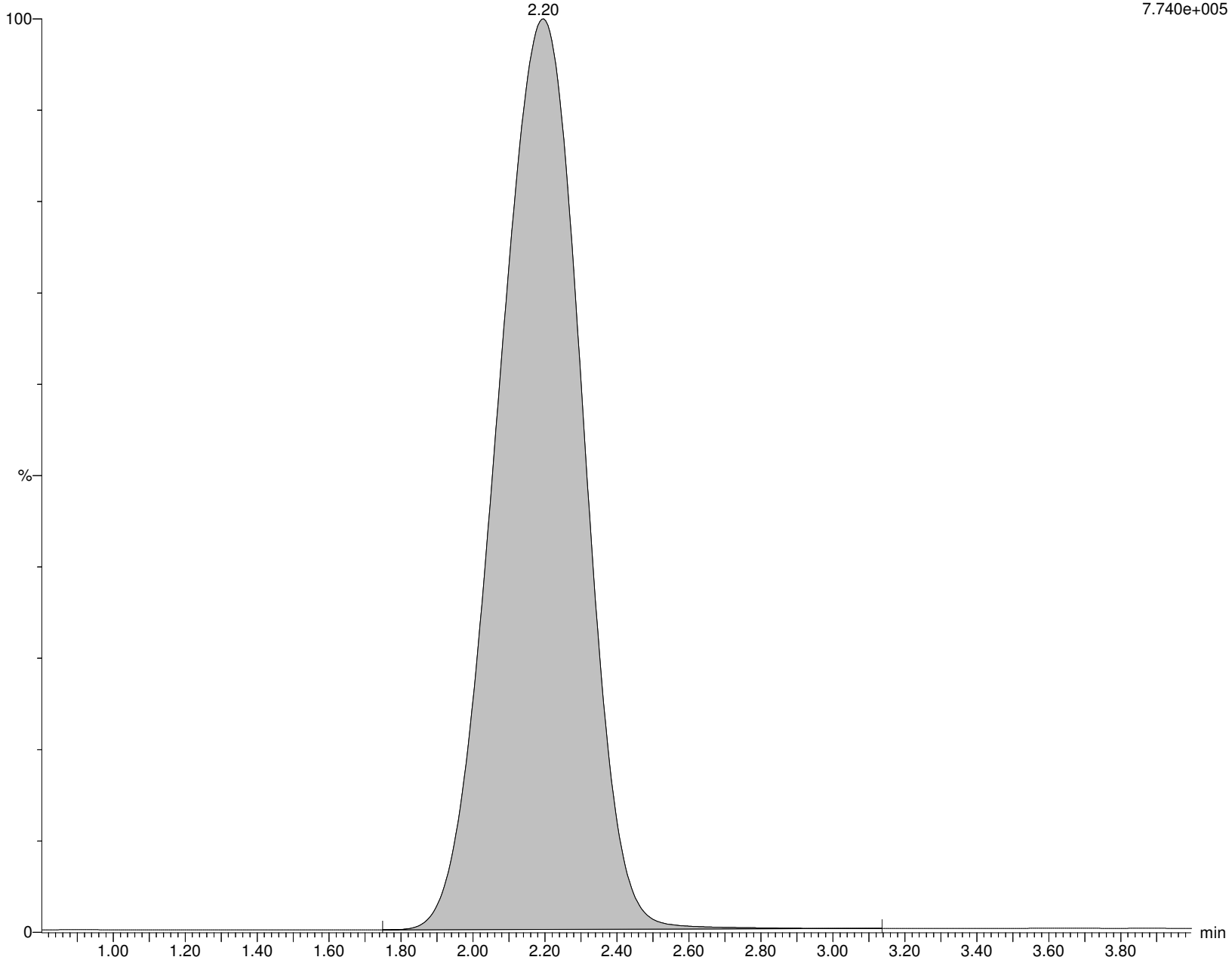
I13438 Smooth(Mn,8x8)

WG1310082,,537_190904_5 IA2-537STD50.0

F1:MRM of 1 channel,ES-

212.926 > 169.111

7.740e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

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Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

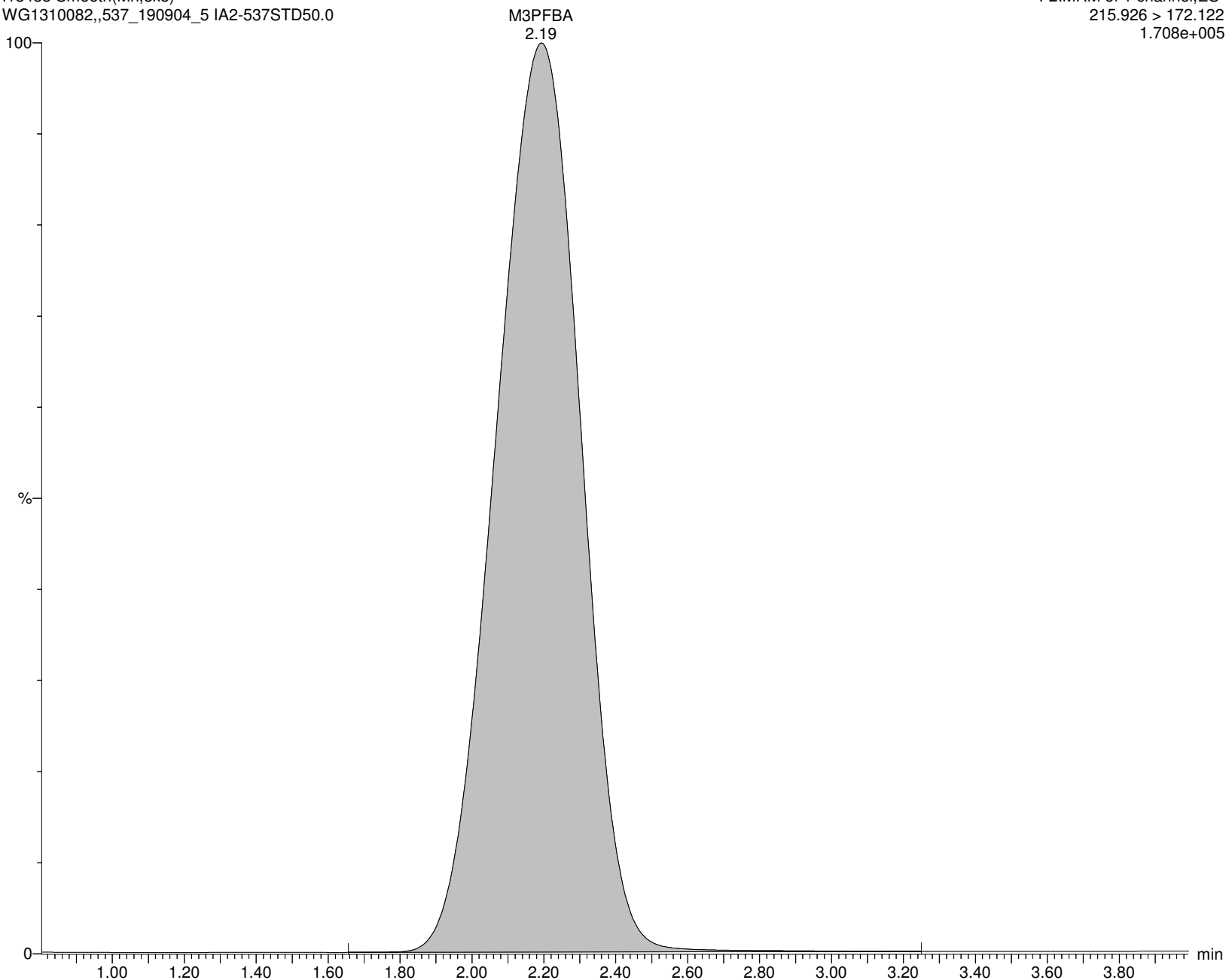
I13438 Smooth(Mn,8x8)

WG1310082,,537_190904_5 IA2-537STD50.0

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.708e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFBA

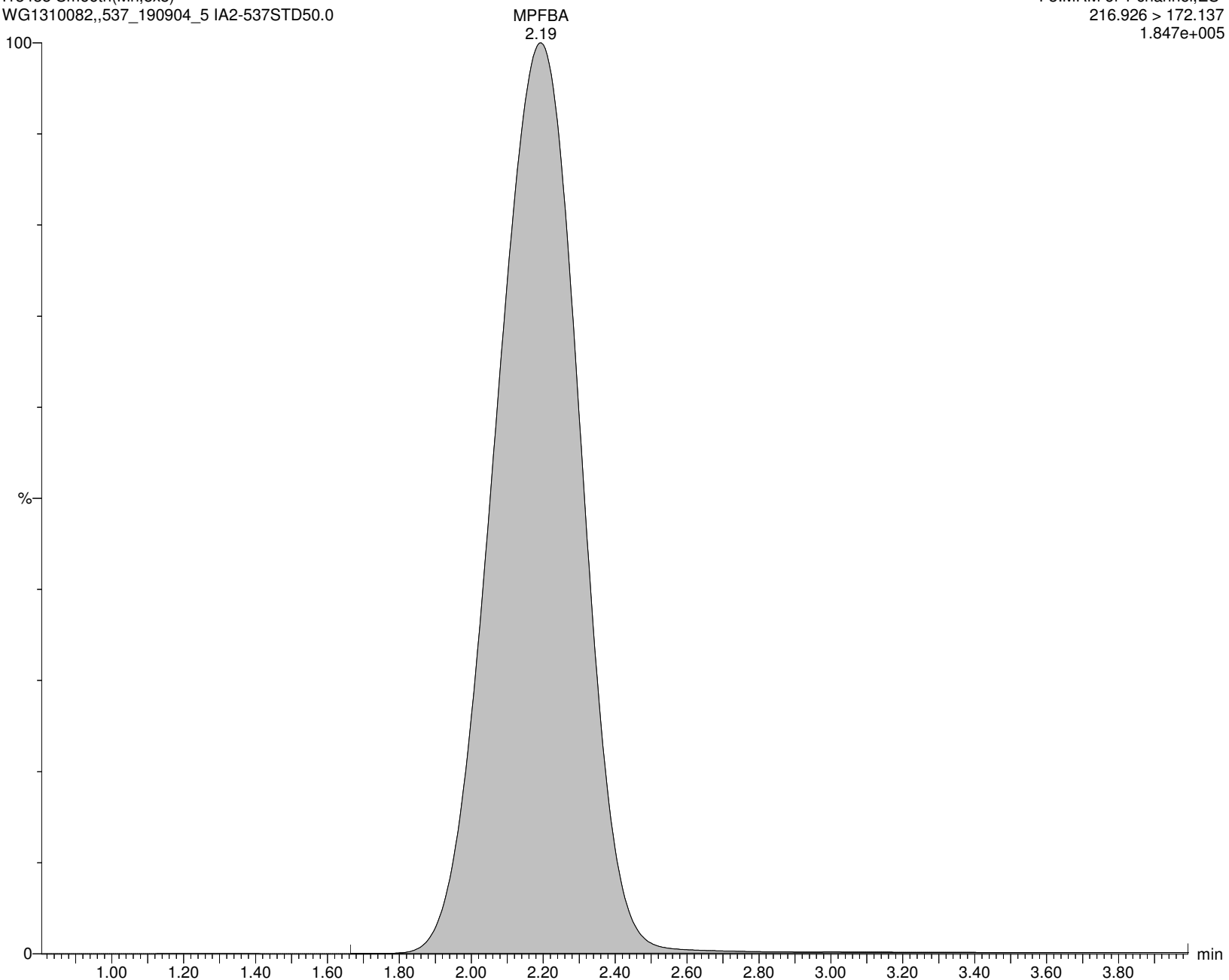
I13438 Smooth(Mn,8x8)

WG1310082,,537_190904_5 IA2-537STD50.0

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.847e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

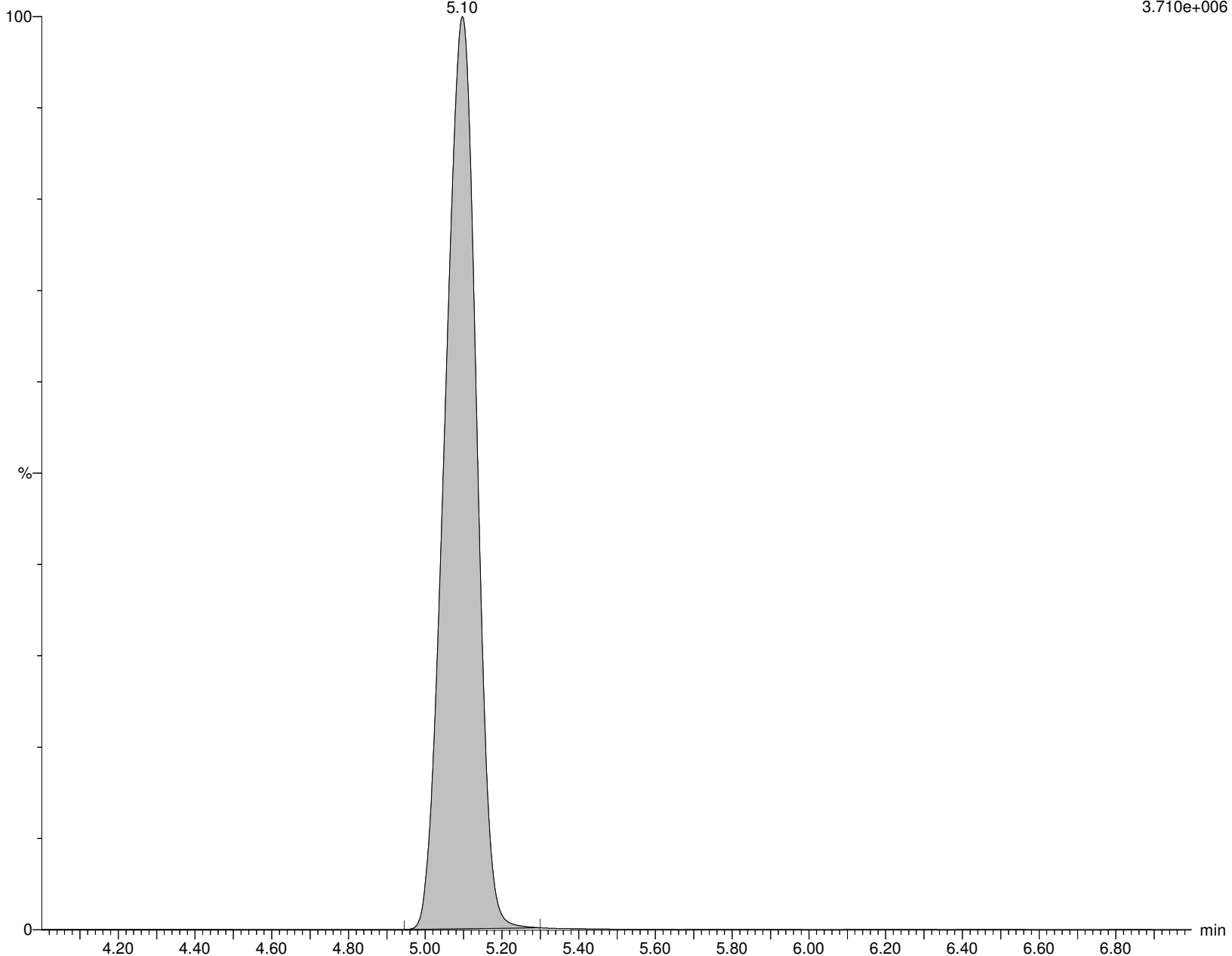
I13438 Smooth(Mn,7x7)

WG1310082,,537_190904_5 IA2-537STD50.0

F4:MRM of 1 channel,ES-

262.926 > 219.002

3.710e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

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Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

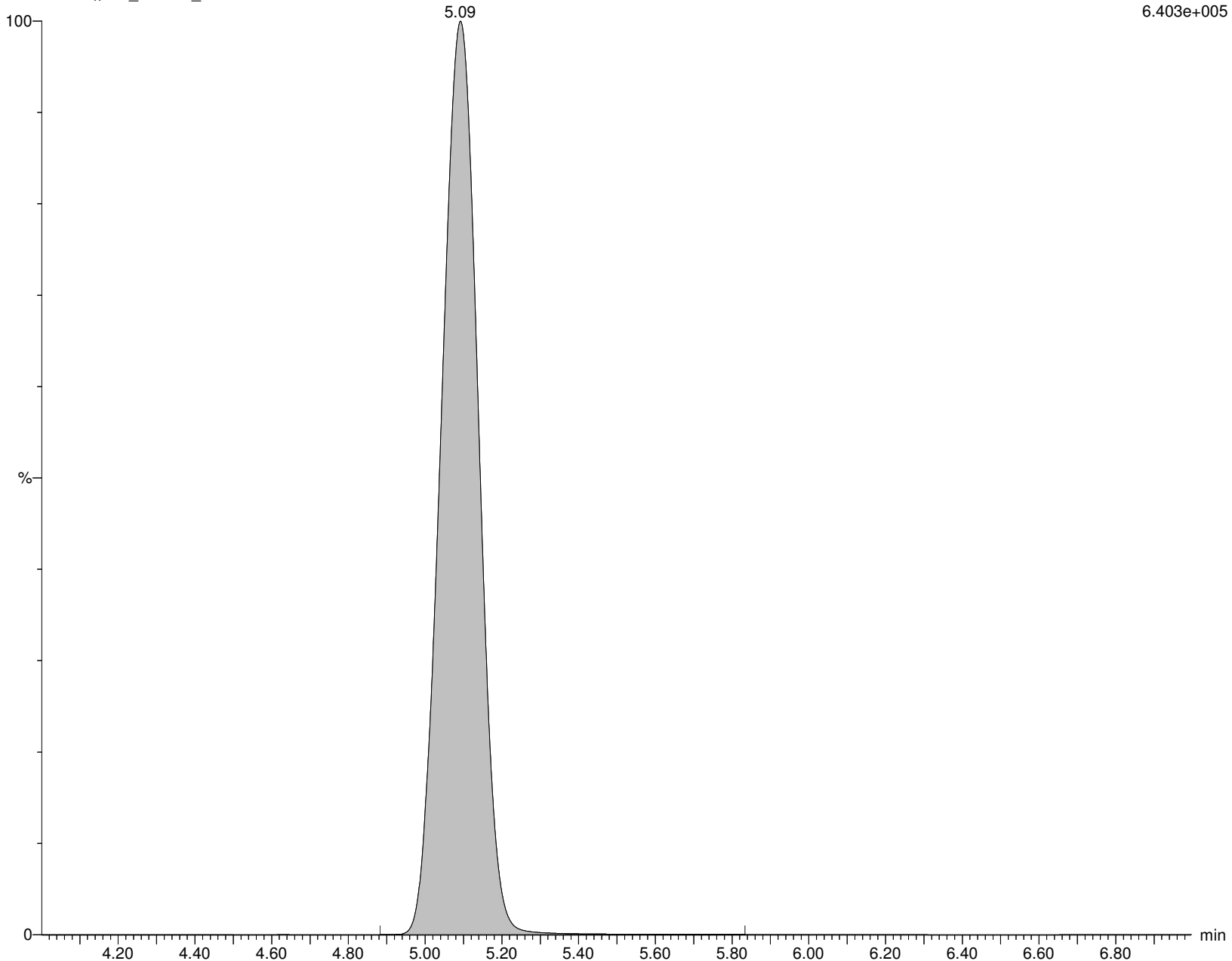
I13438 Smooth(Mn,10x10)

WG1310082,,537_190904_5 IA2-537STD50.0

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.403e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

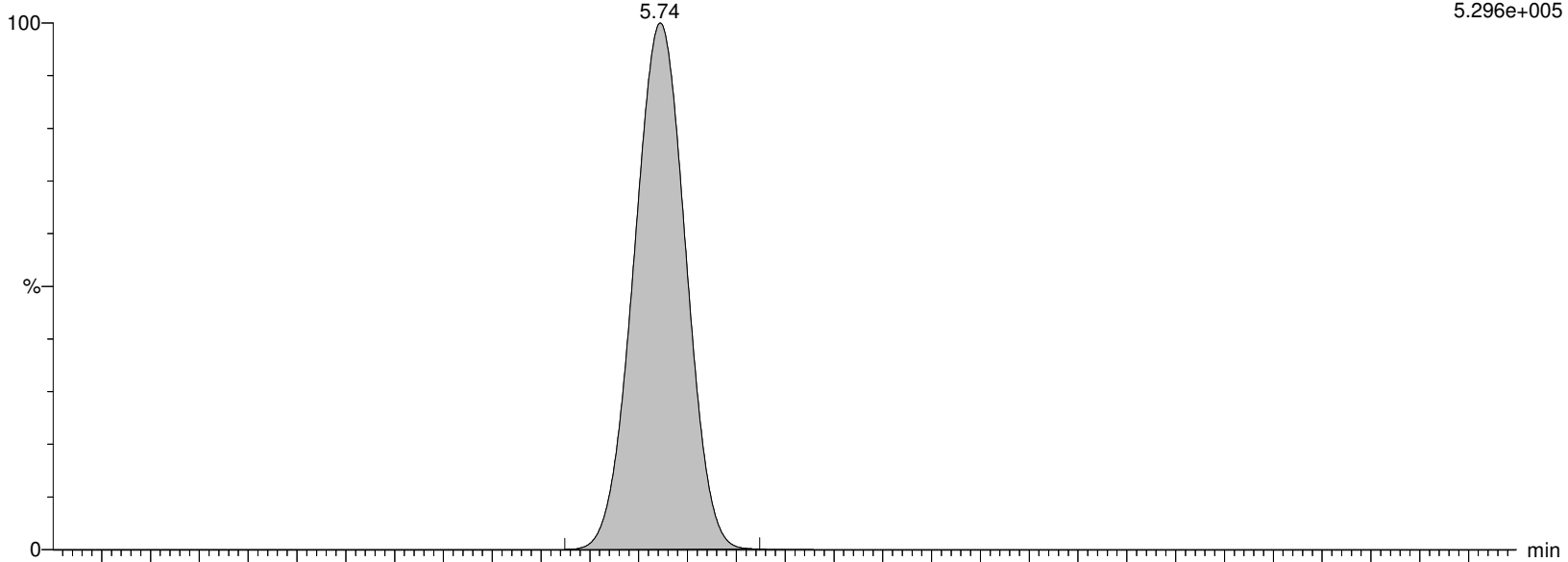
I13438 Smooth(Mn,10x10)

WG1310082,,537_190904_5 IA2-537STD50.0

F7:MRM of 2 channels,ES-

298.926 > 79.923

5.296e+005



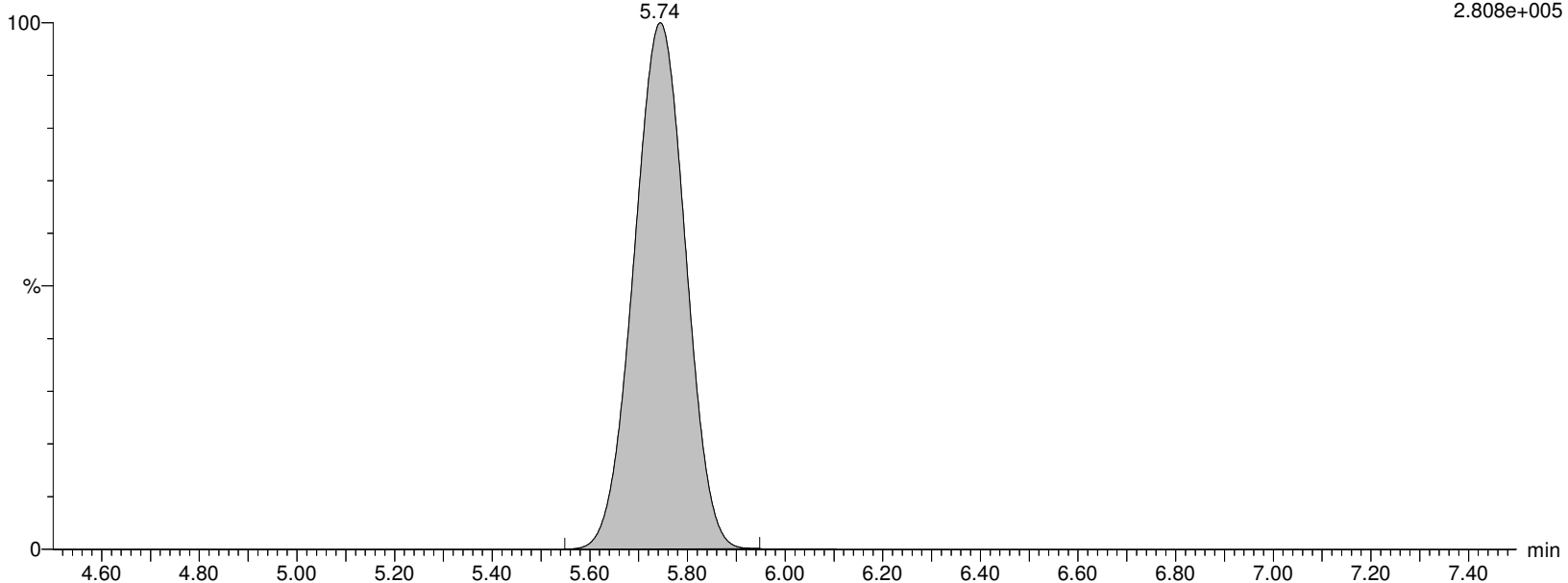
I13438 Smooth(Mn,10x10)

WG1310082,,537_190904_5 IA2-537STD50.0

F7:MRM of 2 channels,ES-

298.926 > 98.862

2.808e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

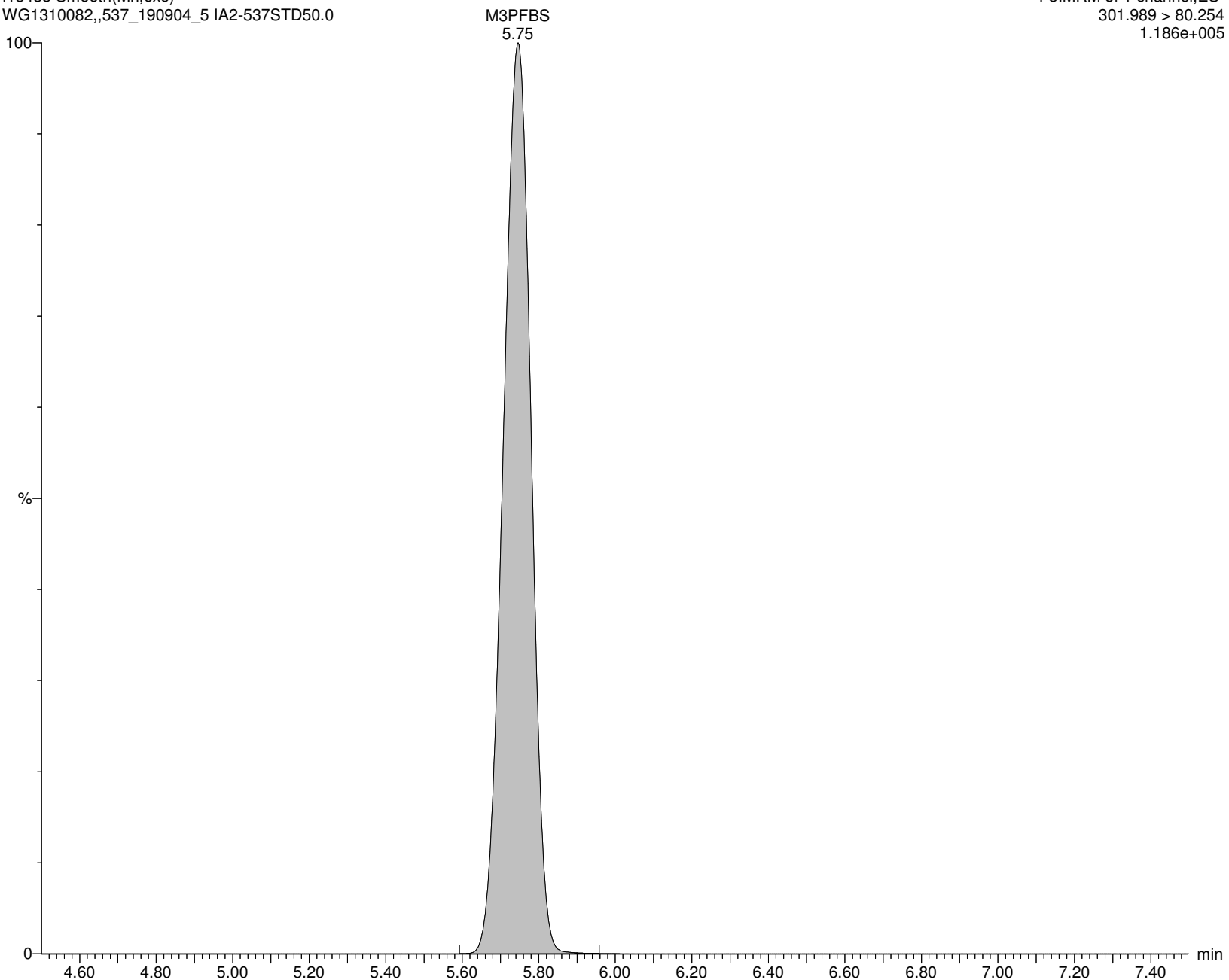
I13438 Smooth(Mn,6x6)

WG1310082,,537_190904_5 IA2-537STD50.0

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.186e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

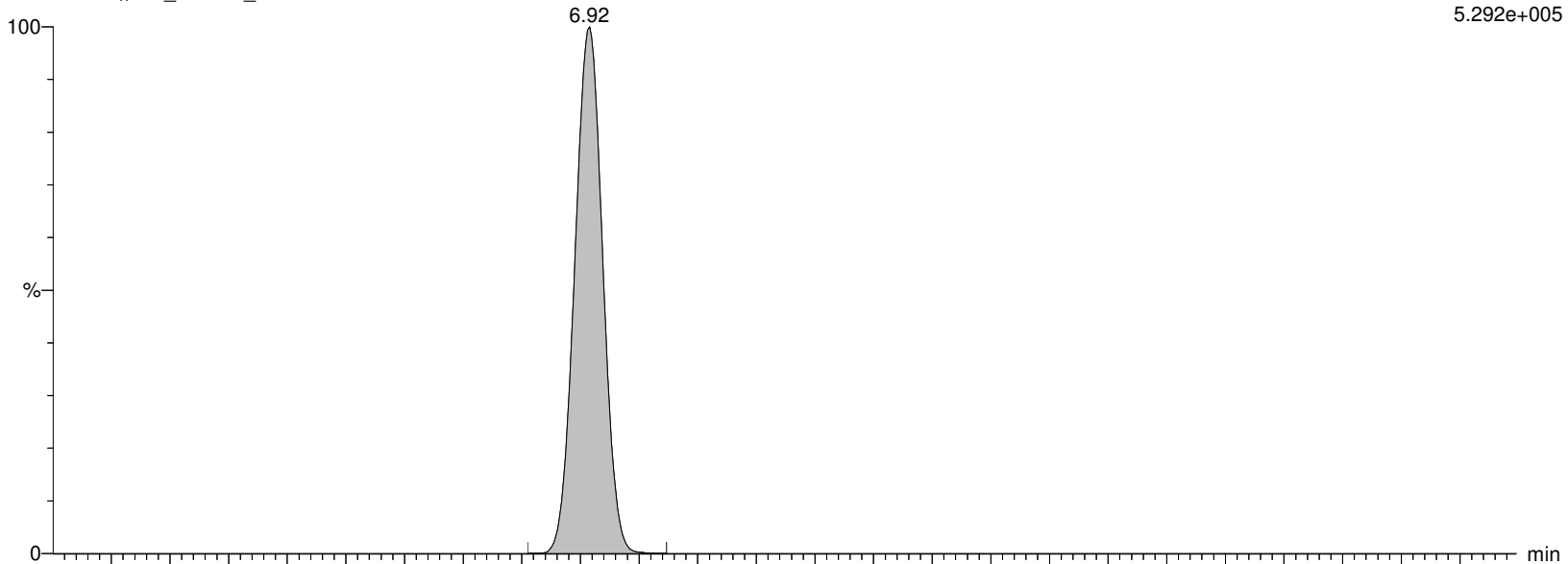
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F11:MRM of 2 channels,ES-

326.926 > 306.957

5.292e+005



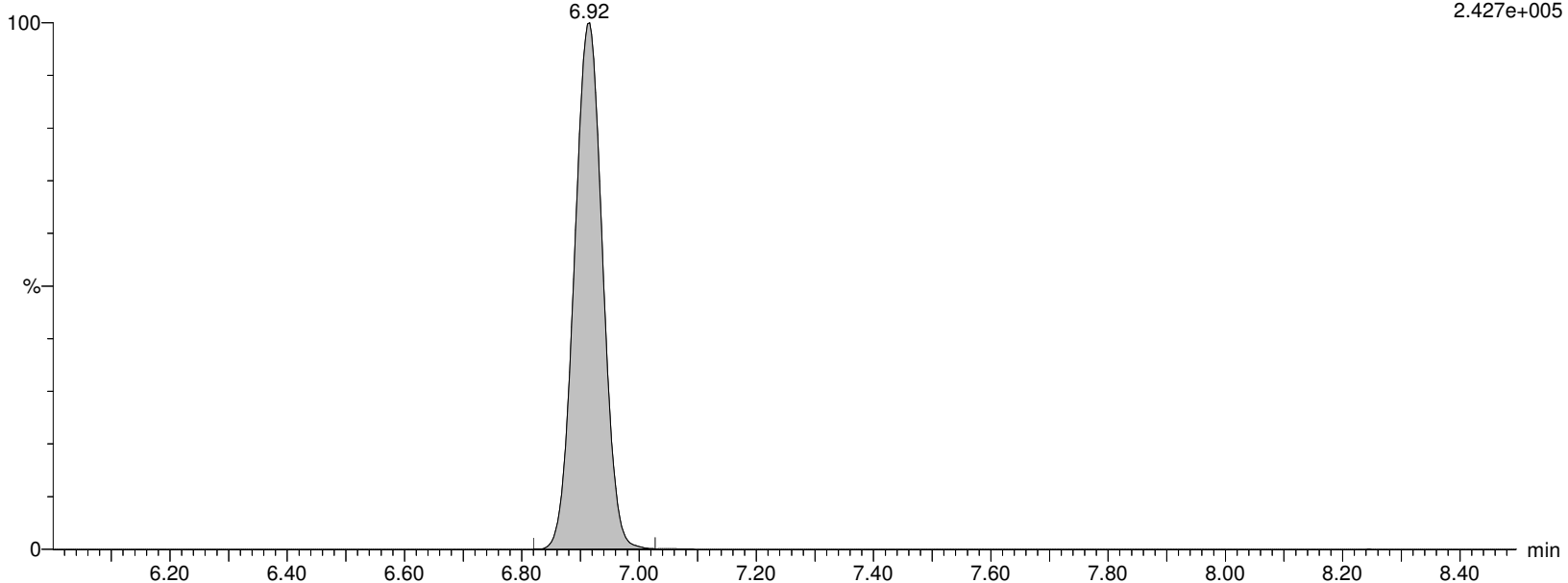
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F11:MRM of 2 channels,ES-

326.926 > 81.02

2.427e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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ID: IA2-537STD50.0

Date: 18-Nov-2019

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Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

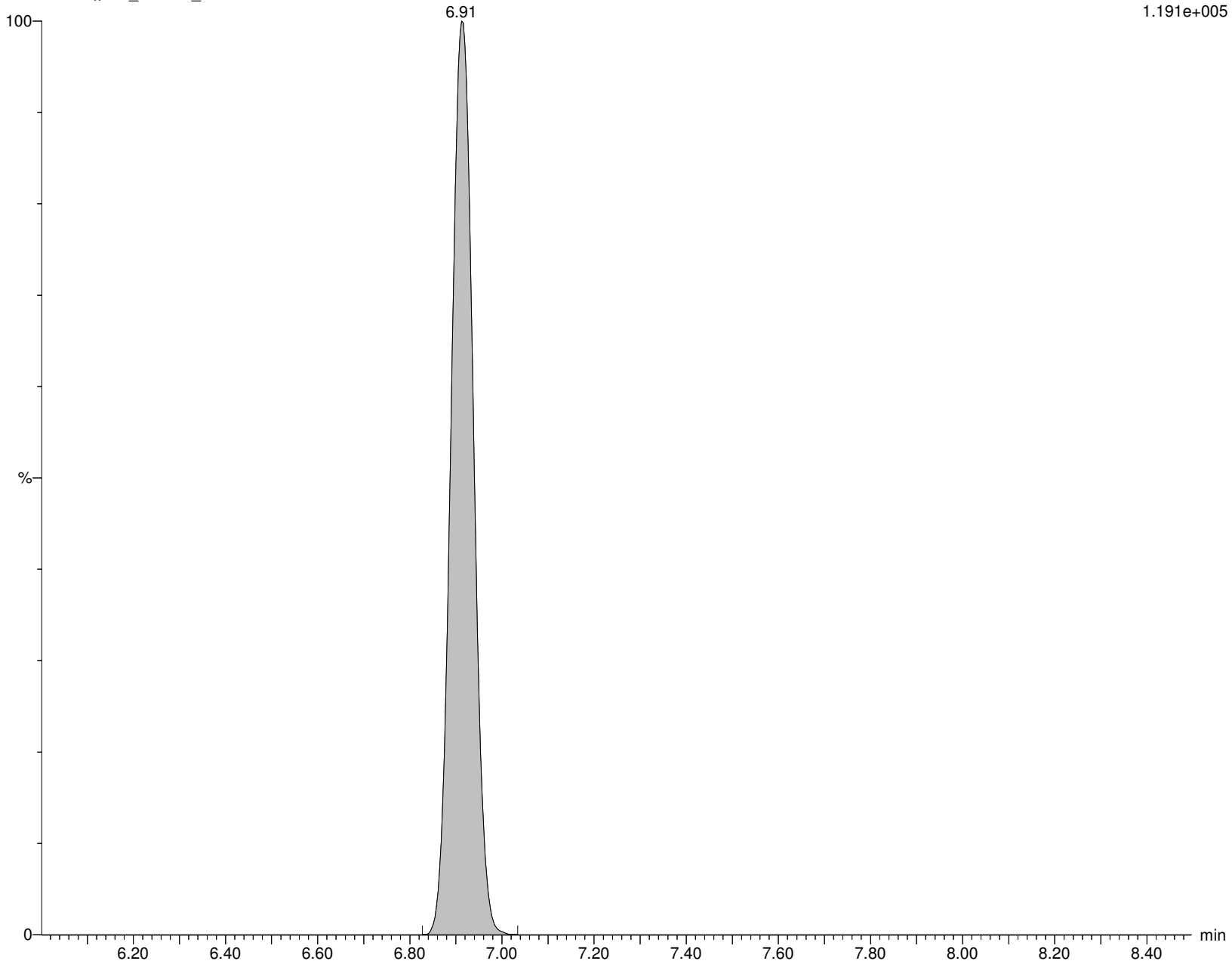
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.191e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

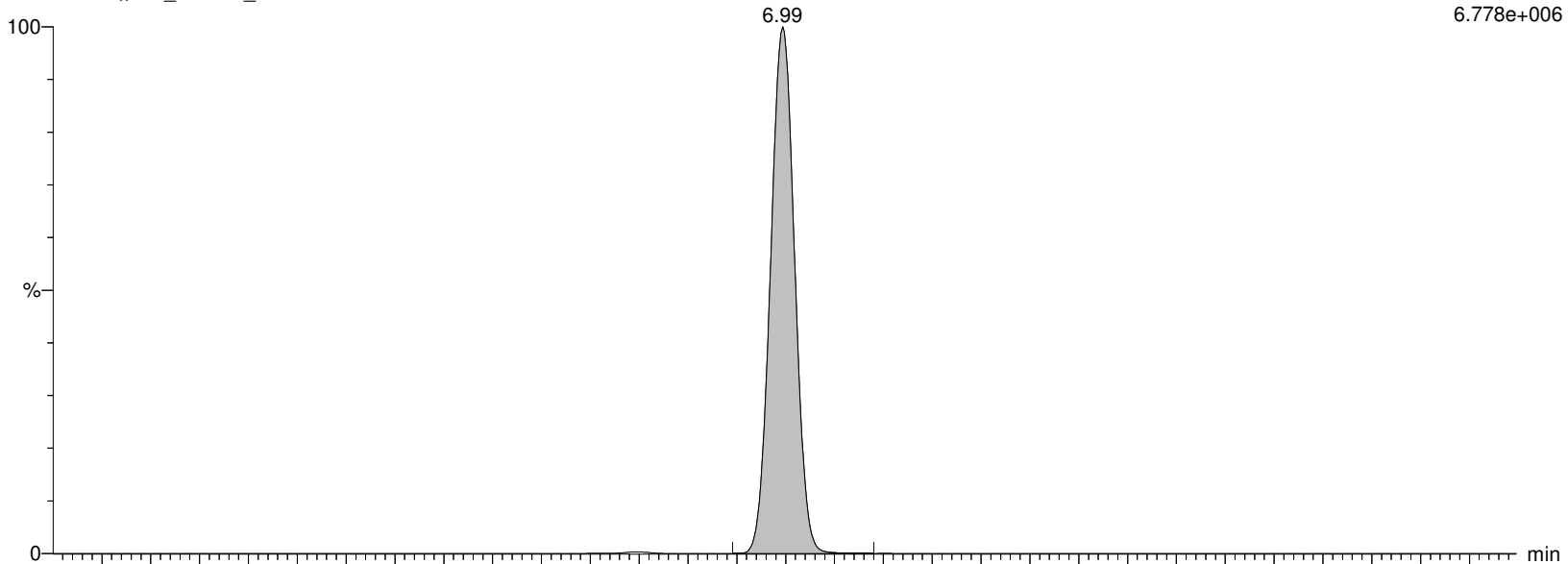
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F9:MRM of 2 channels,ES-

312.989 > 269.028

6.778e+006



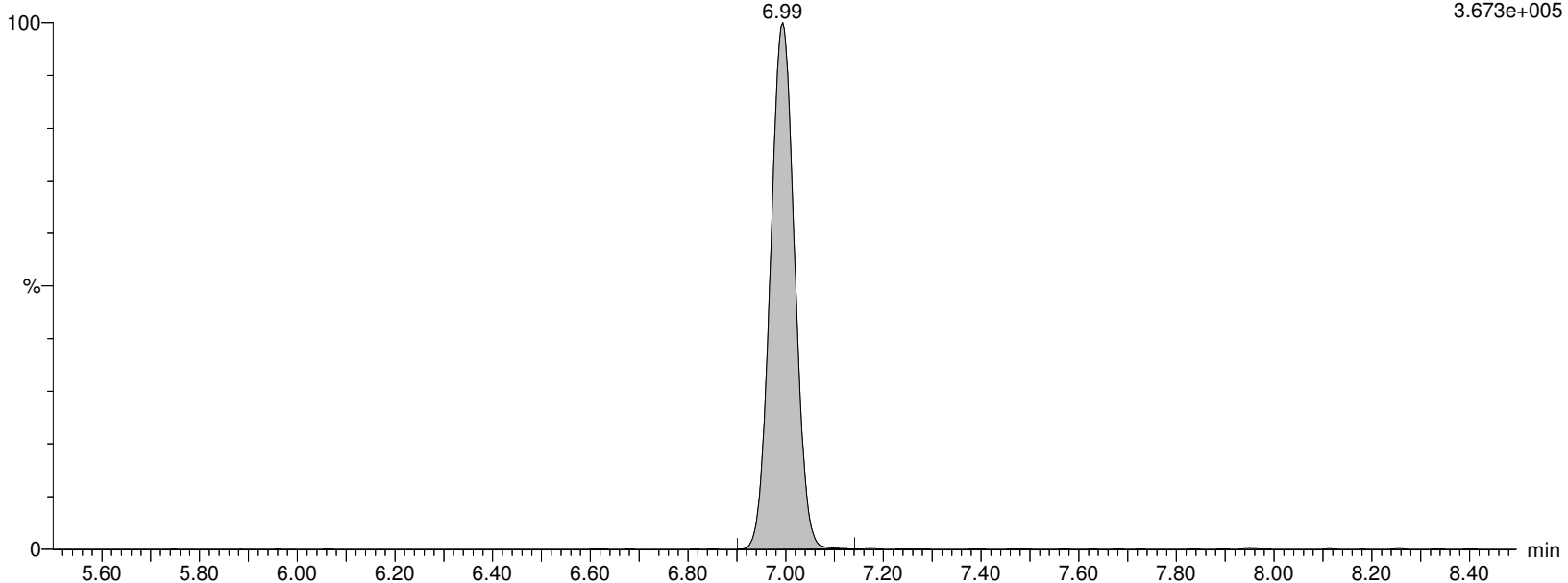
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F9:MRM of 2 channels,ES-

312.989 > 119.18

3.673e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

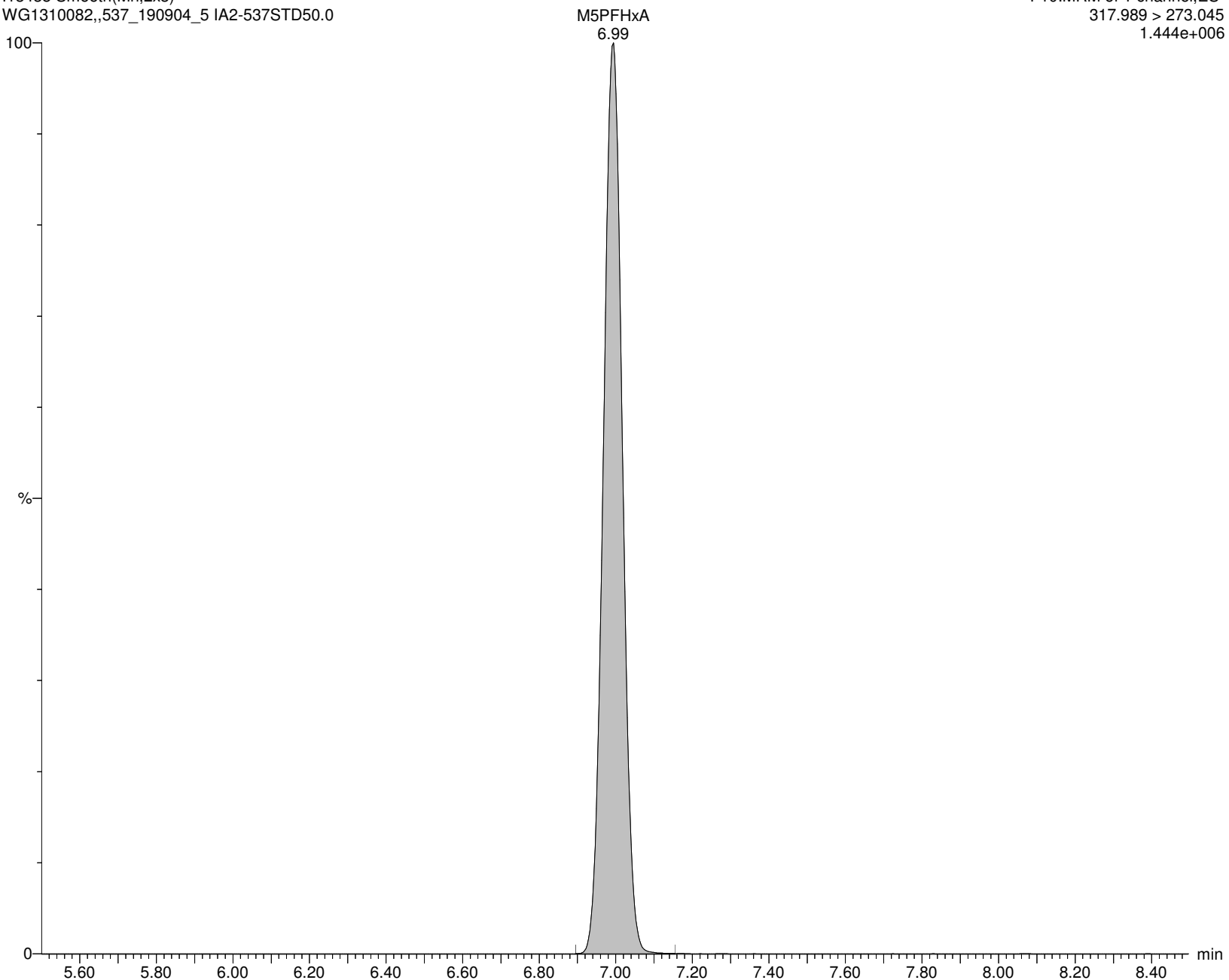
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.444e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

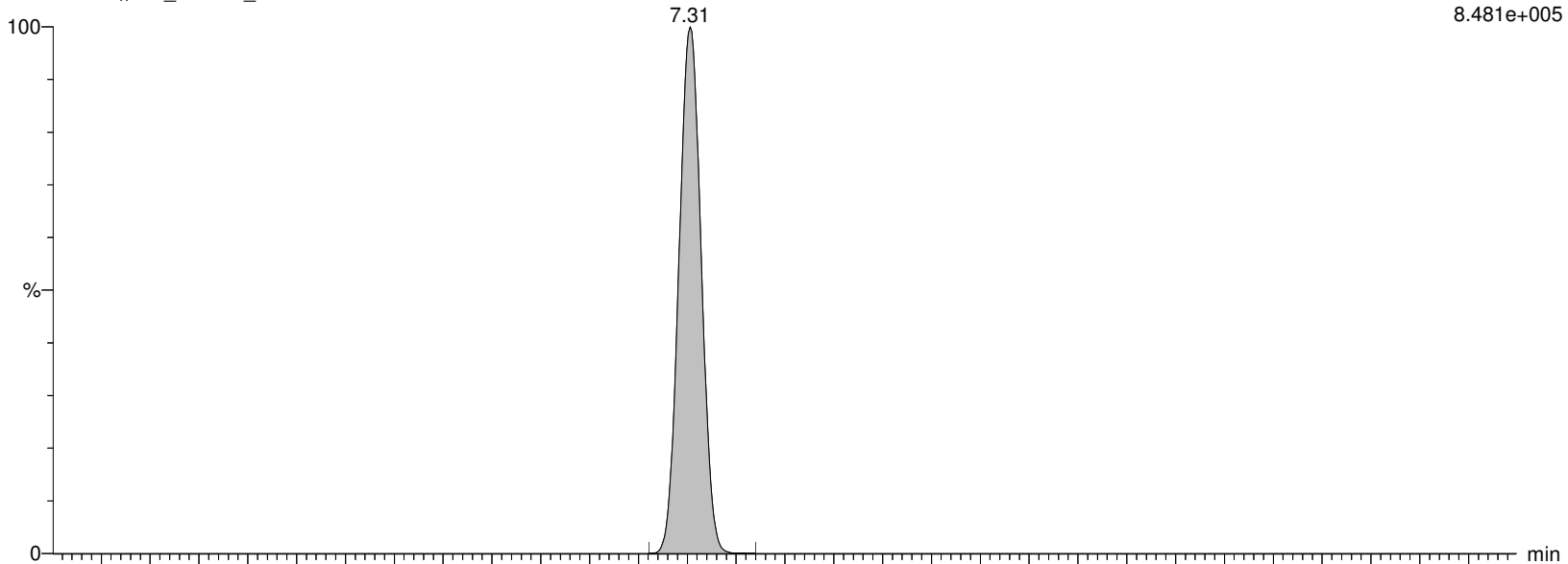
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F14:MRM of 2 channels,ES-

348.926 > 80.251

8.481e+005



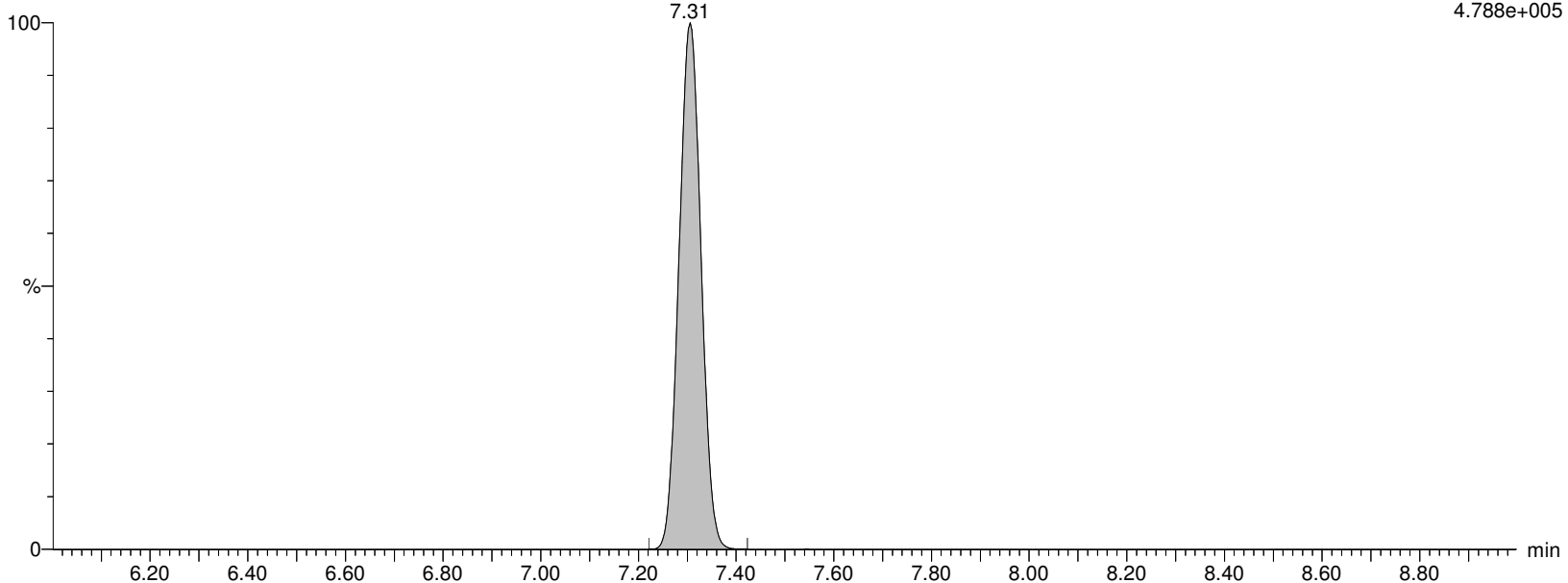
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F14:MRM of 2 channels,ES-

348.926 > 99.16

4.788e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

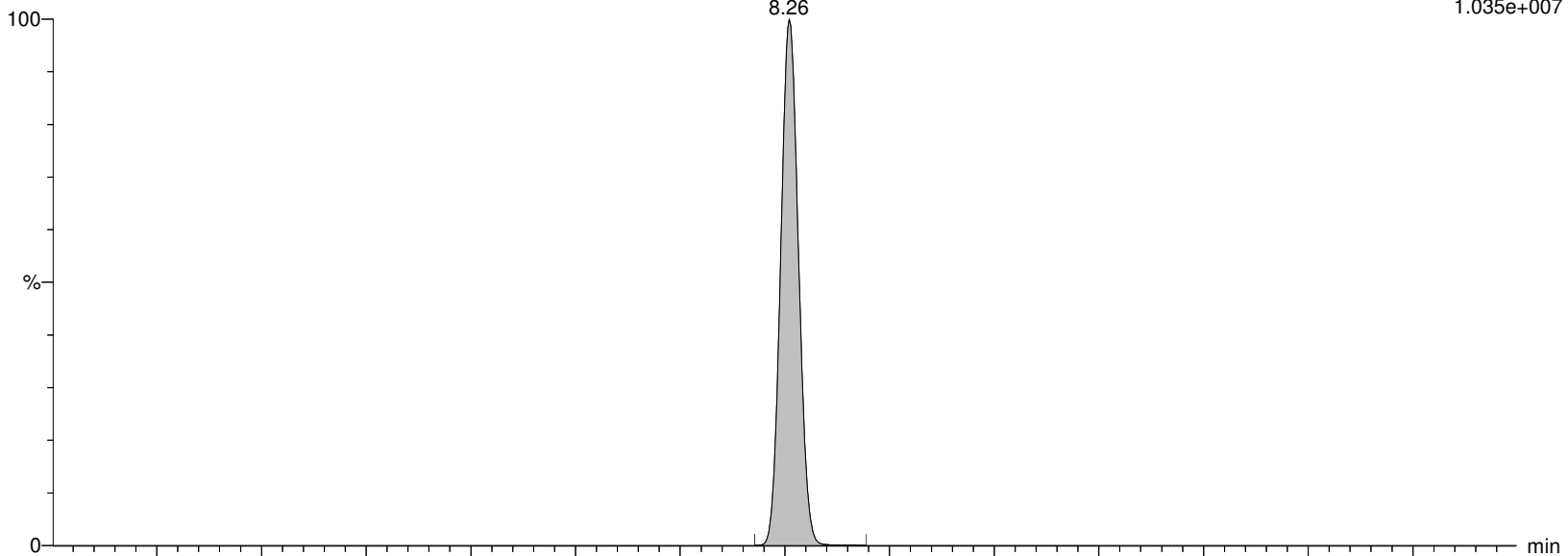
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F15:MRM of 2 channels,ES-

362.926 > 319.014

1.035e+007



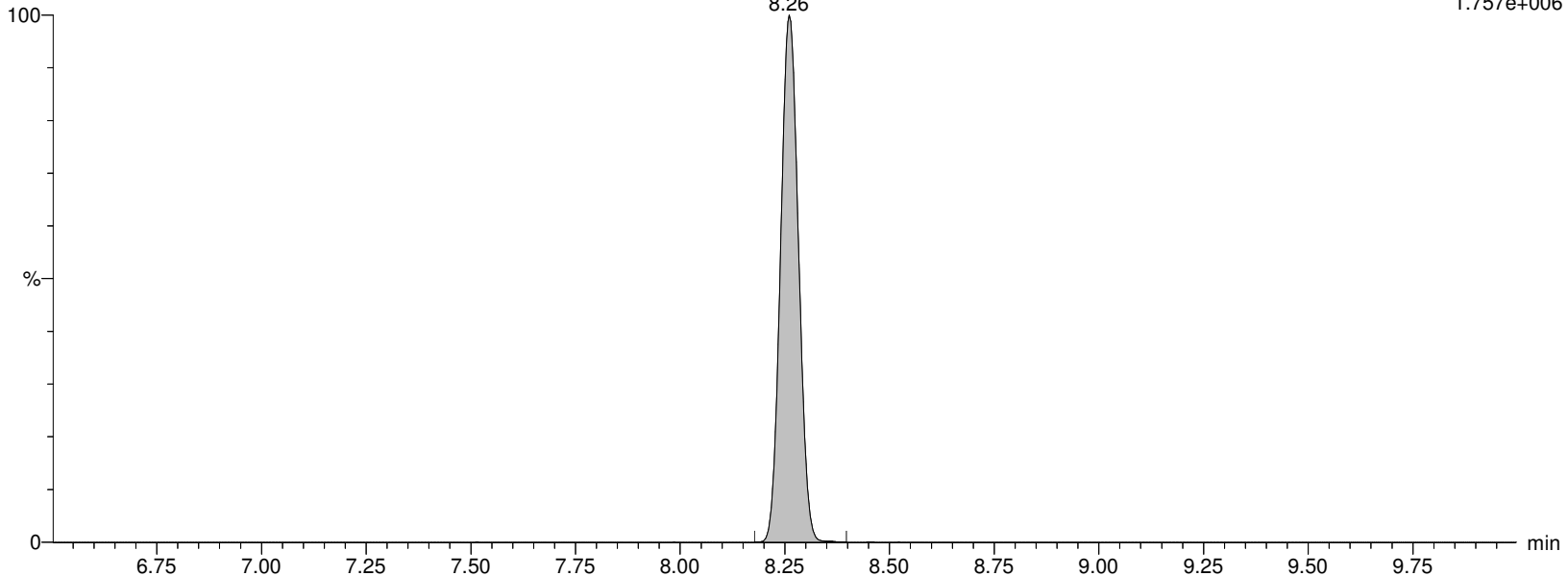
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F15:MRM of 2 channels,ES-

362.926 > 169.12

1.757e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

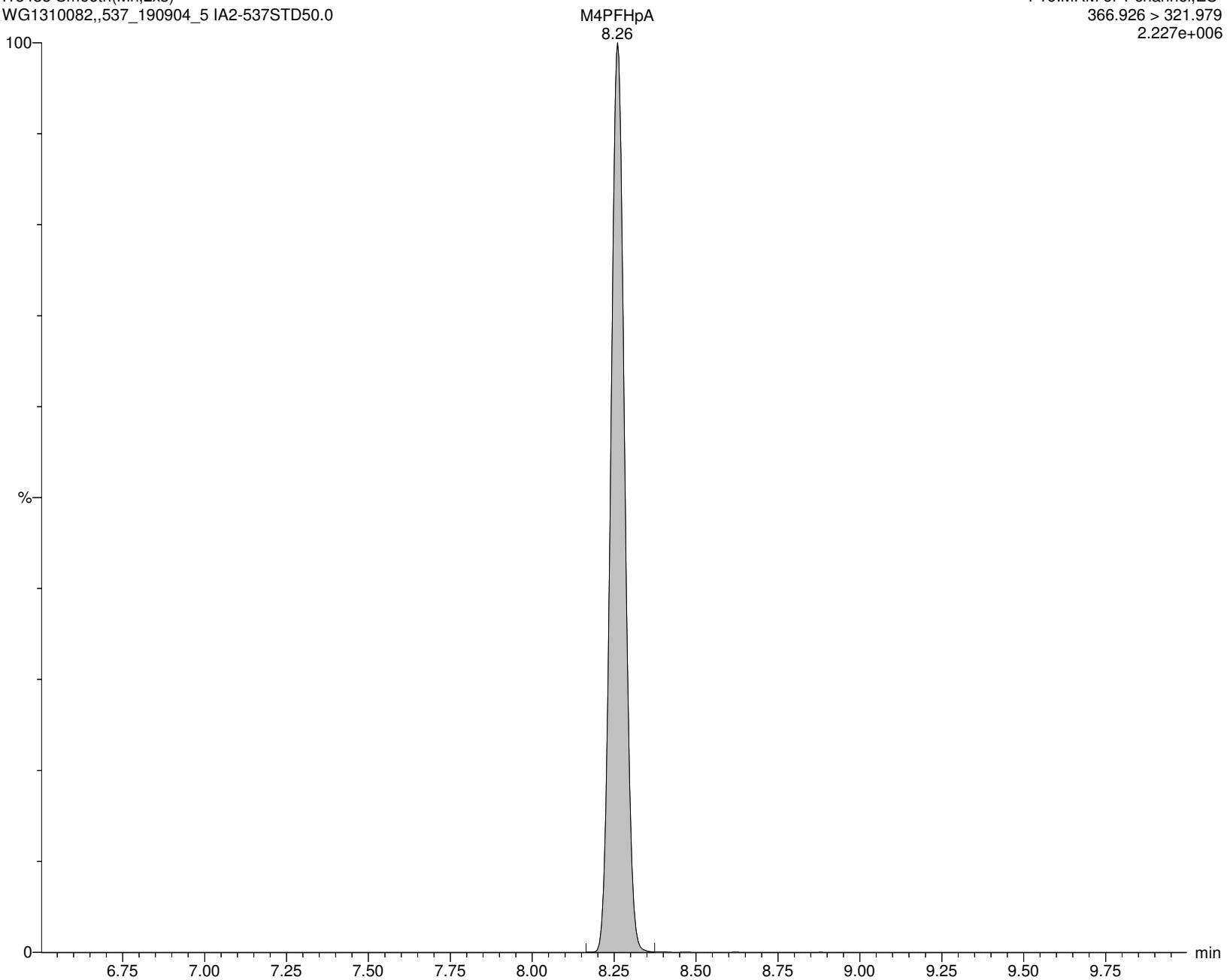
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.227e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

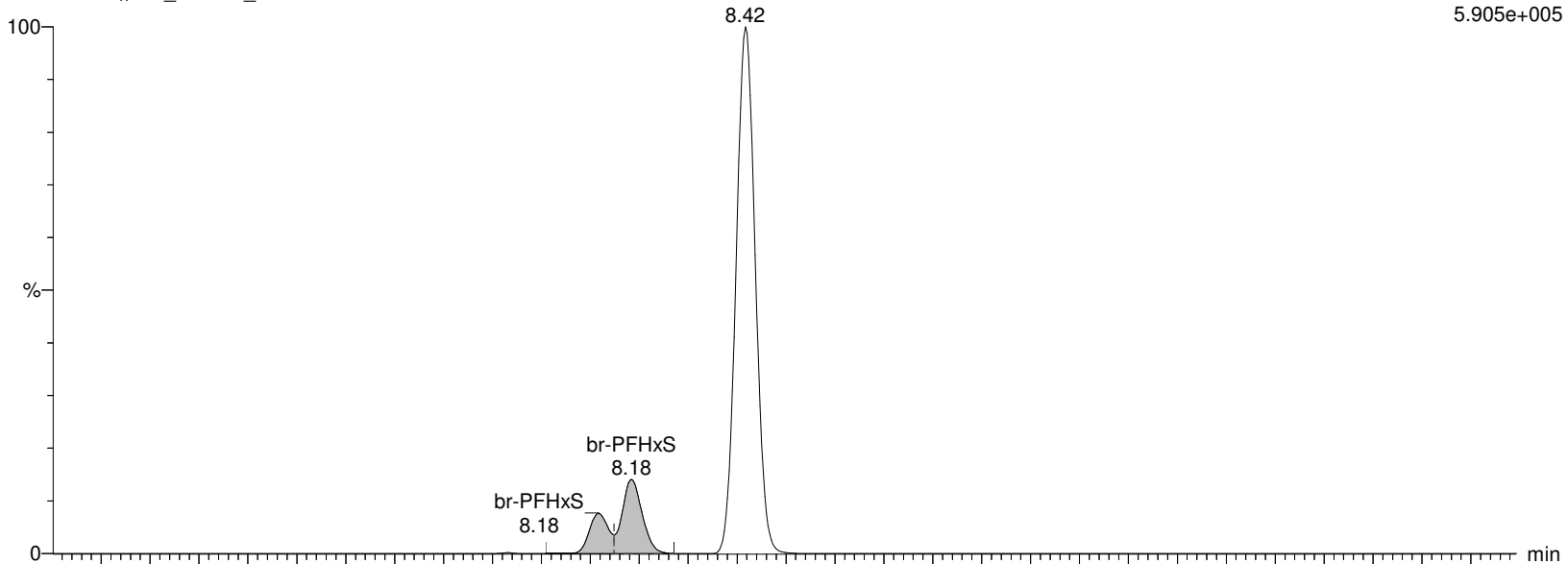
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

5.905e+005



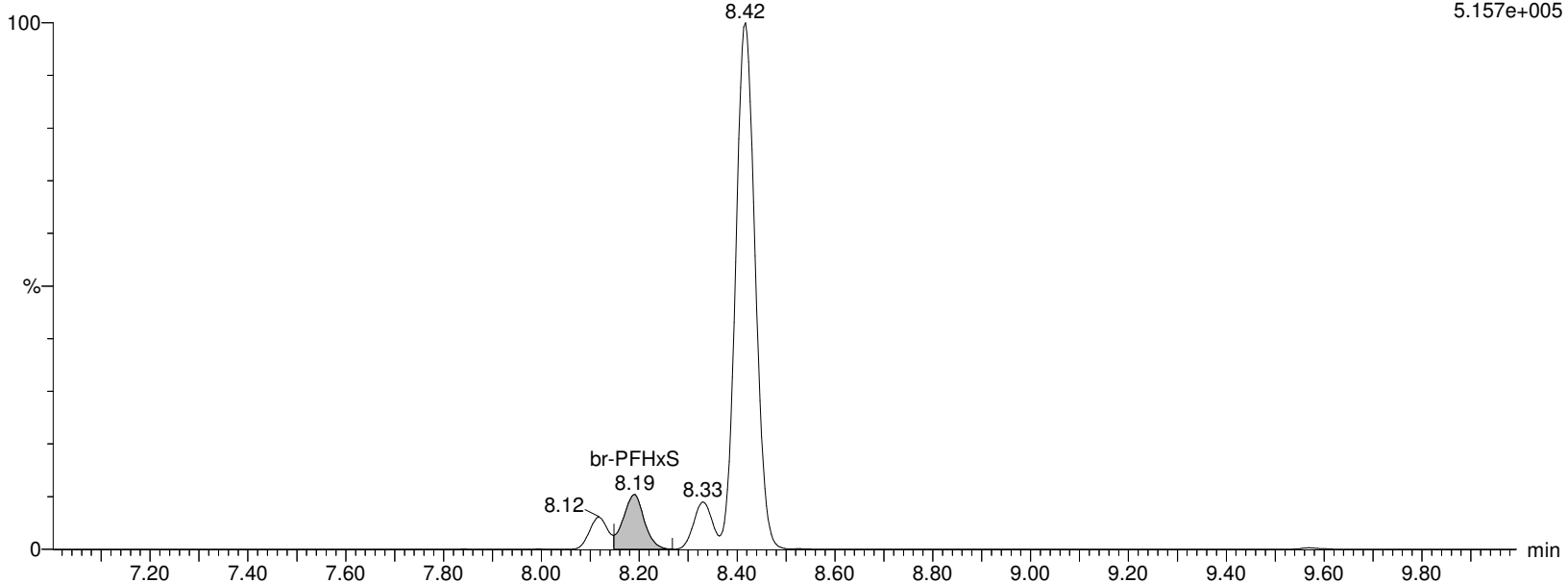
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.157e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

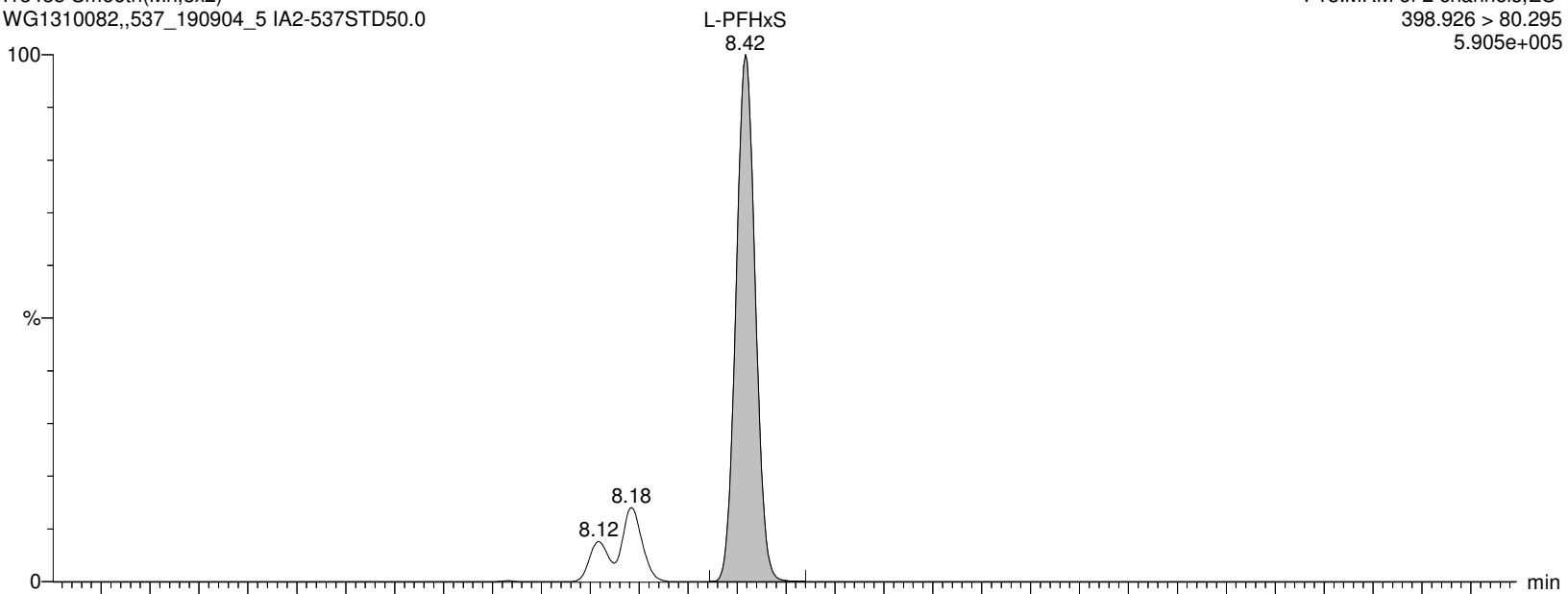
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

5.905e+005



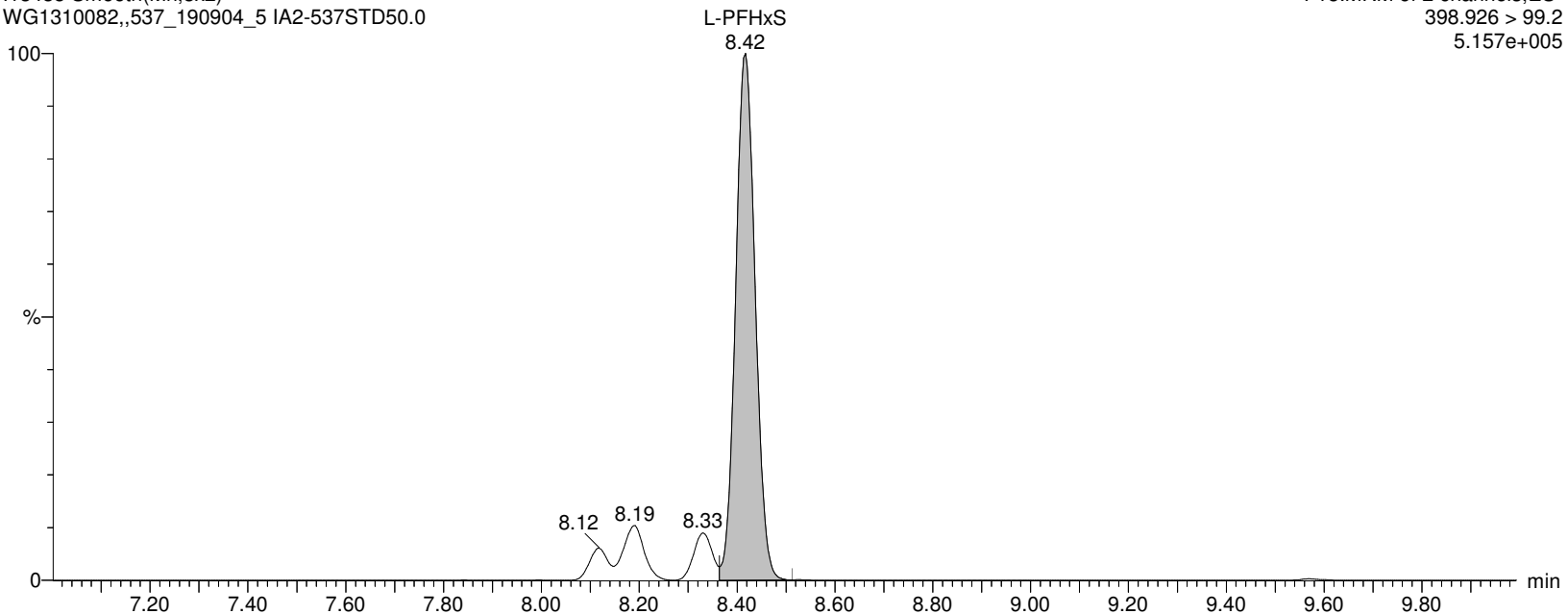
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.157e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

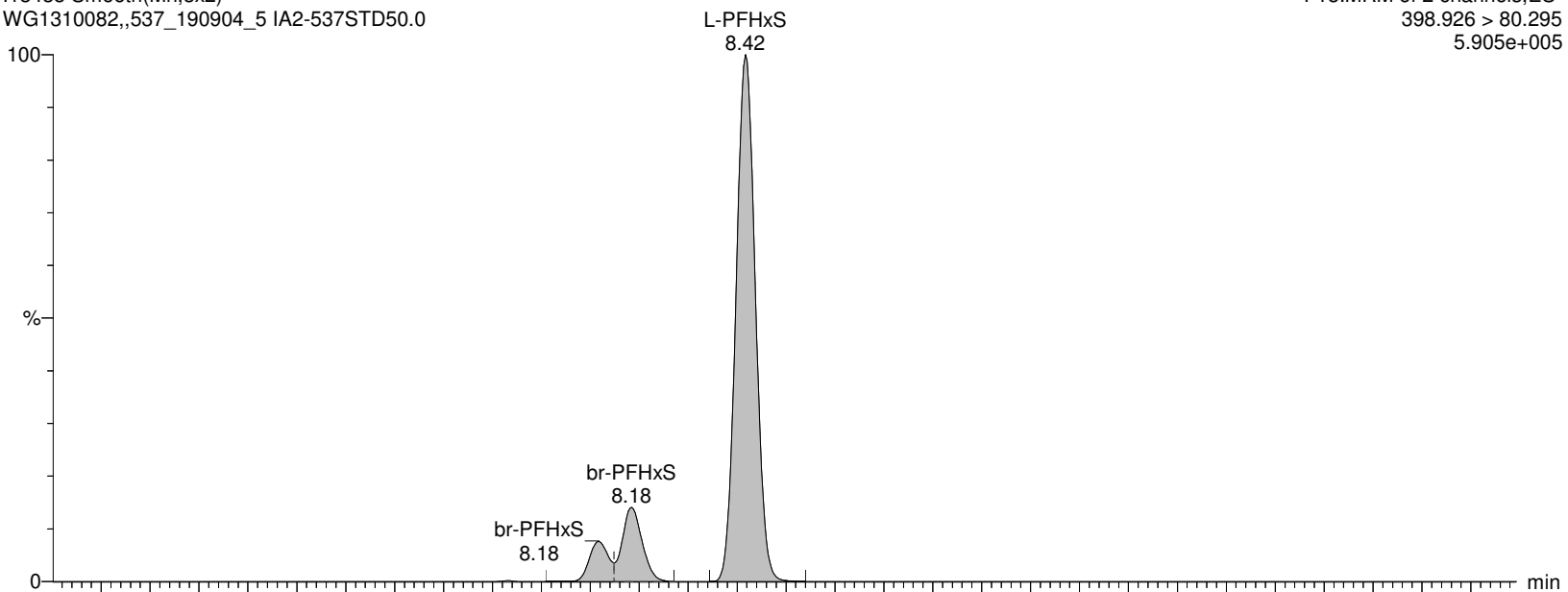
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 80.295

5.905e+005



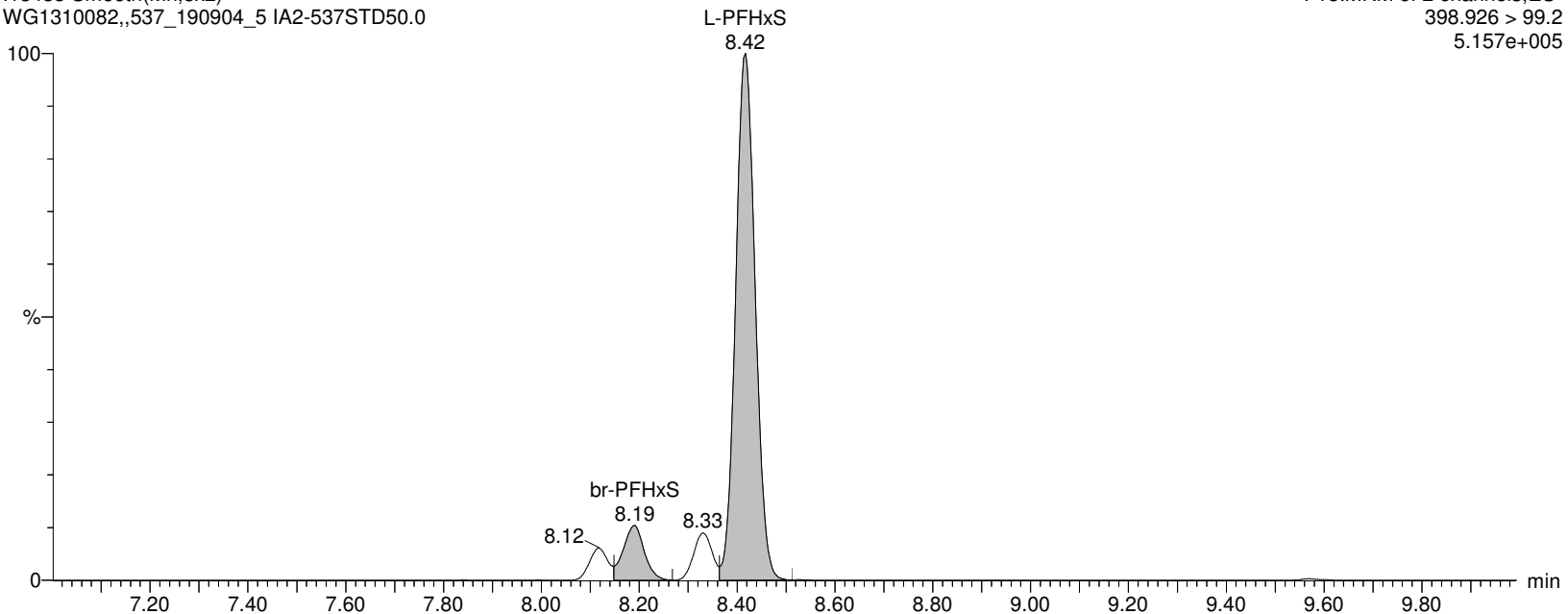
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.157e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

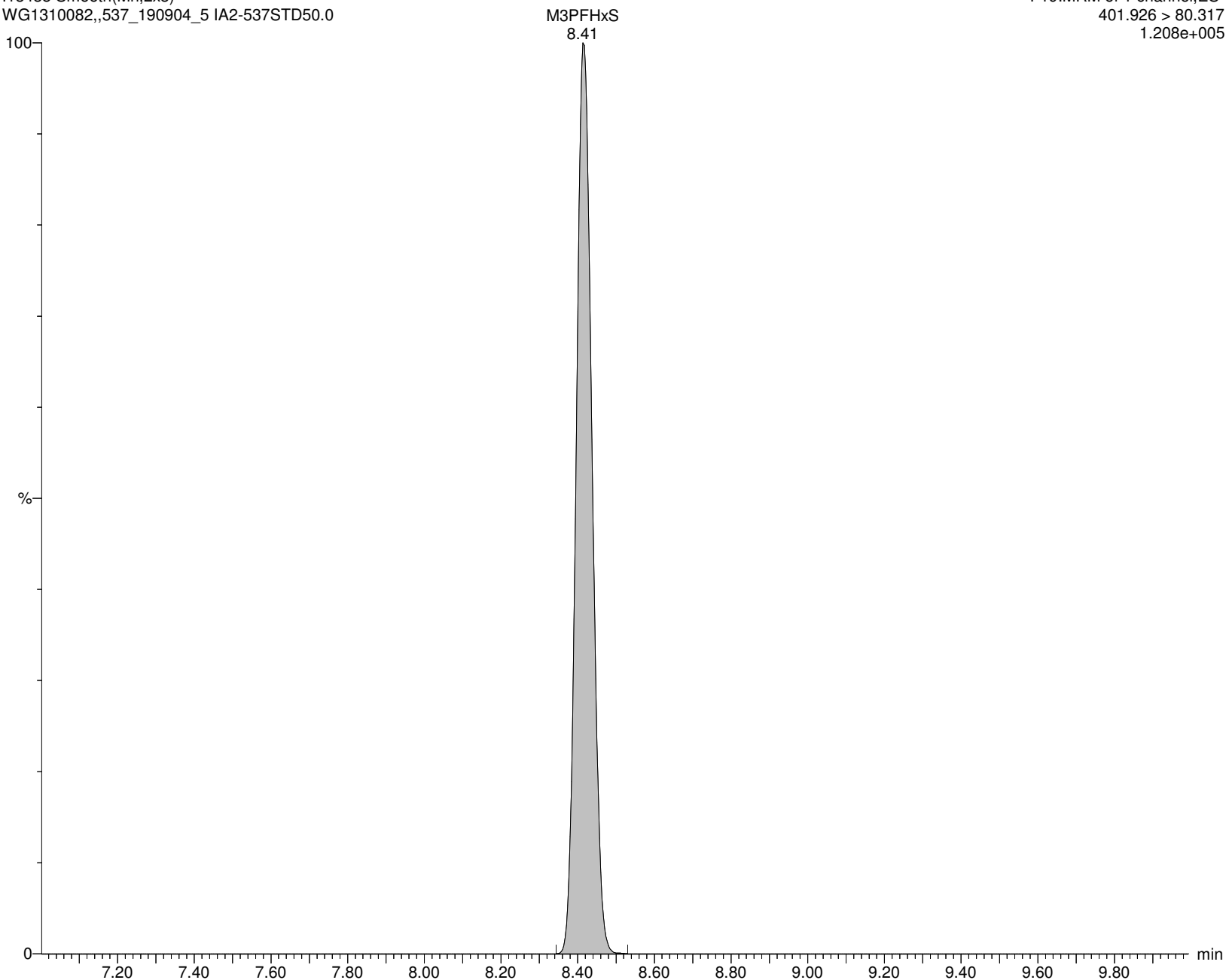
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.208e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

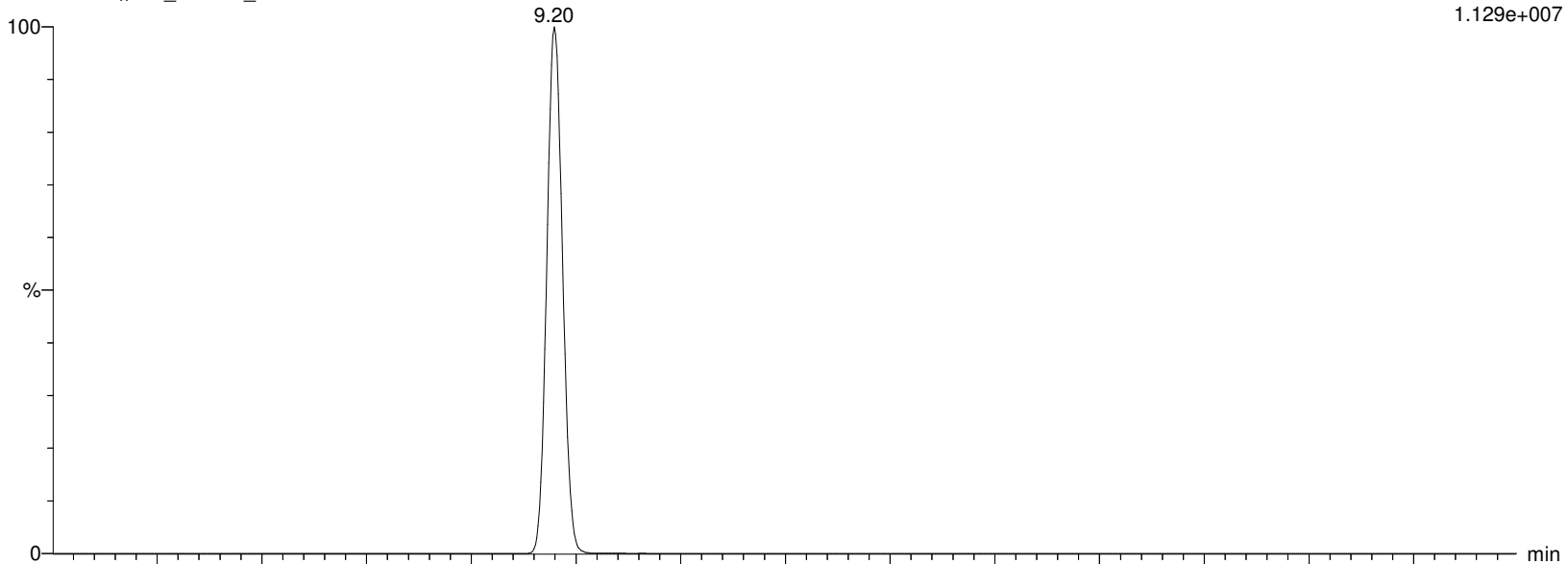
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.129e+007



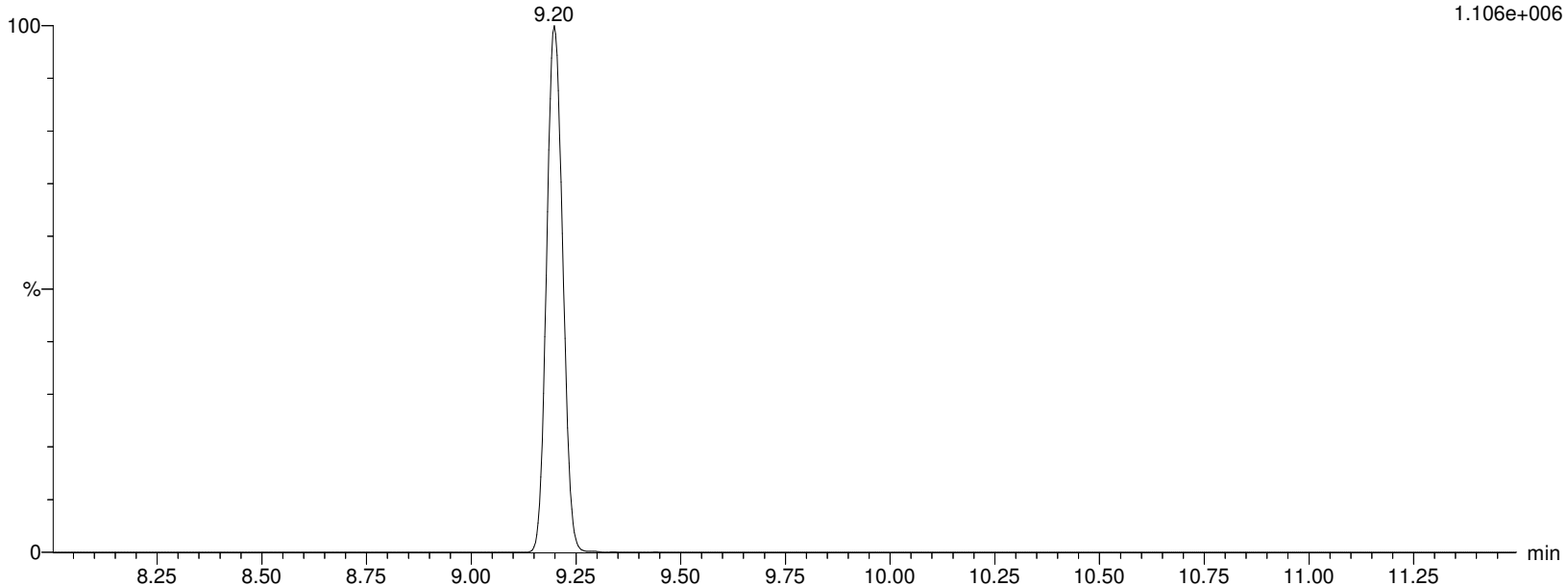
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.106e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

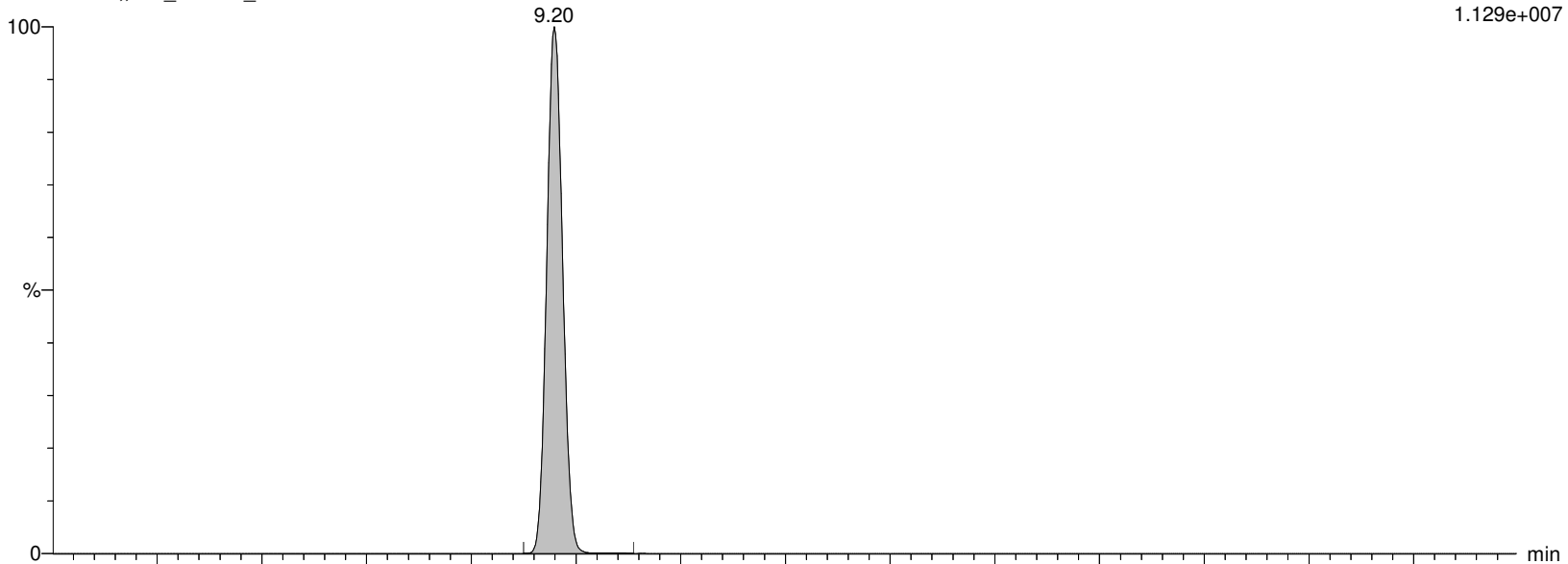
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.129e+007



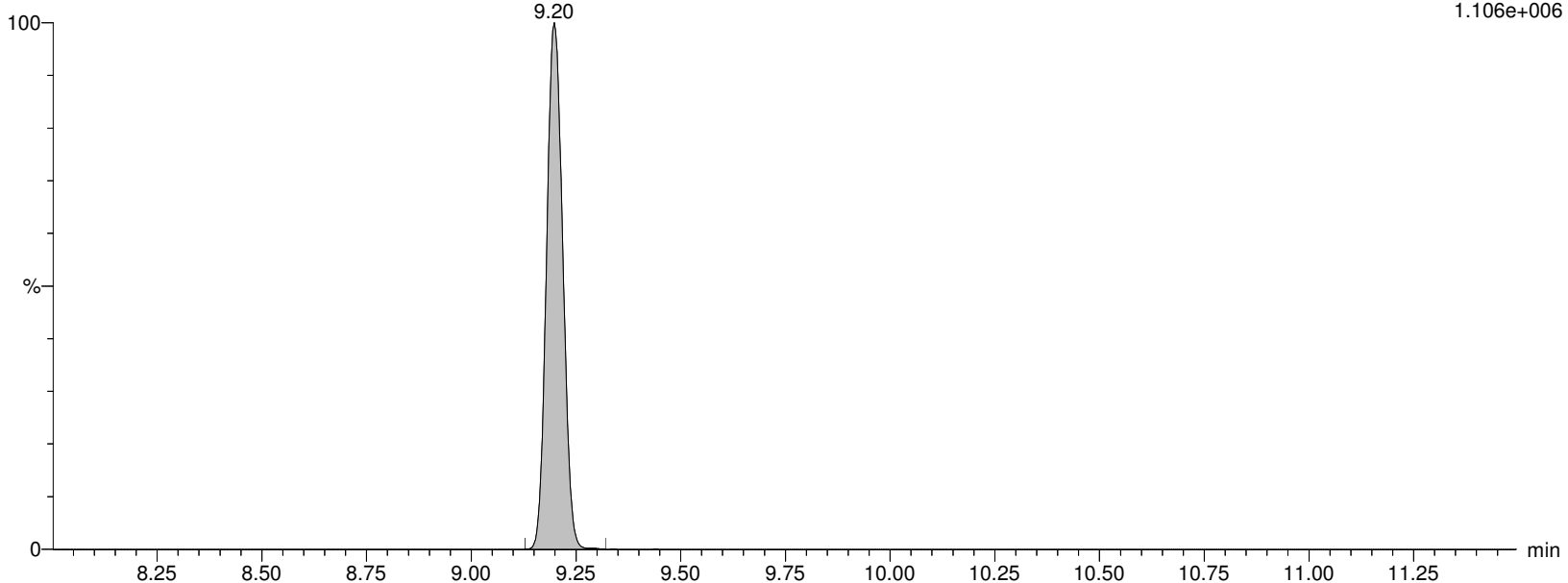
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.106e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

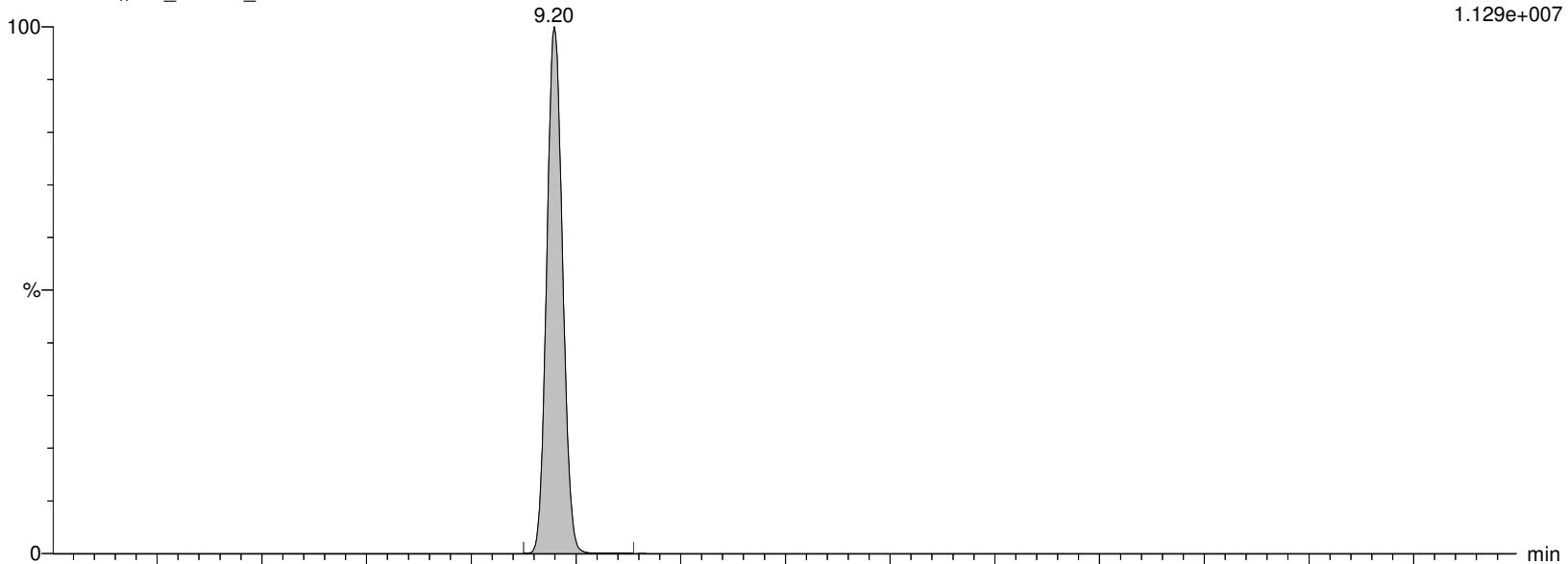
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.129e+007



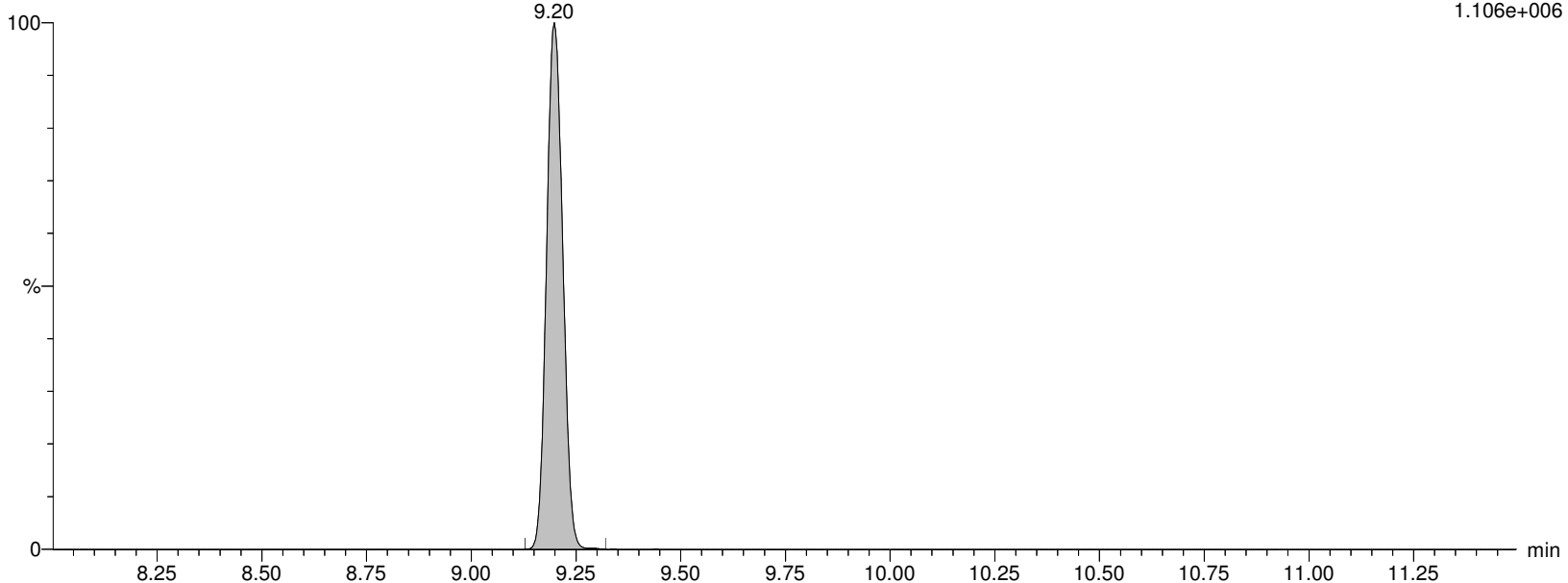
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.106e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

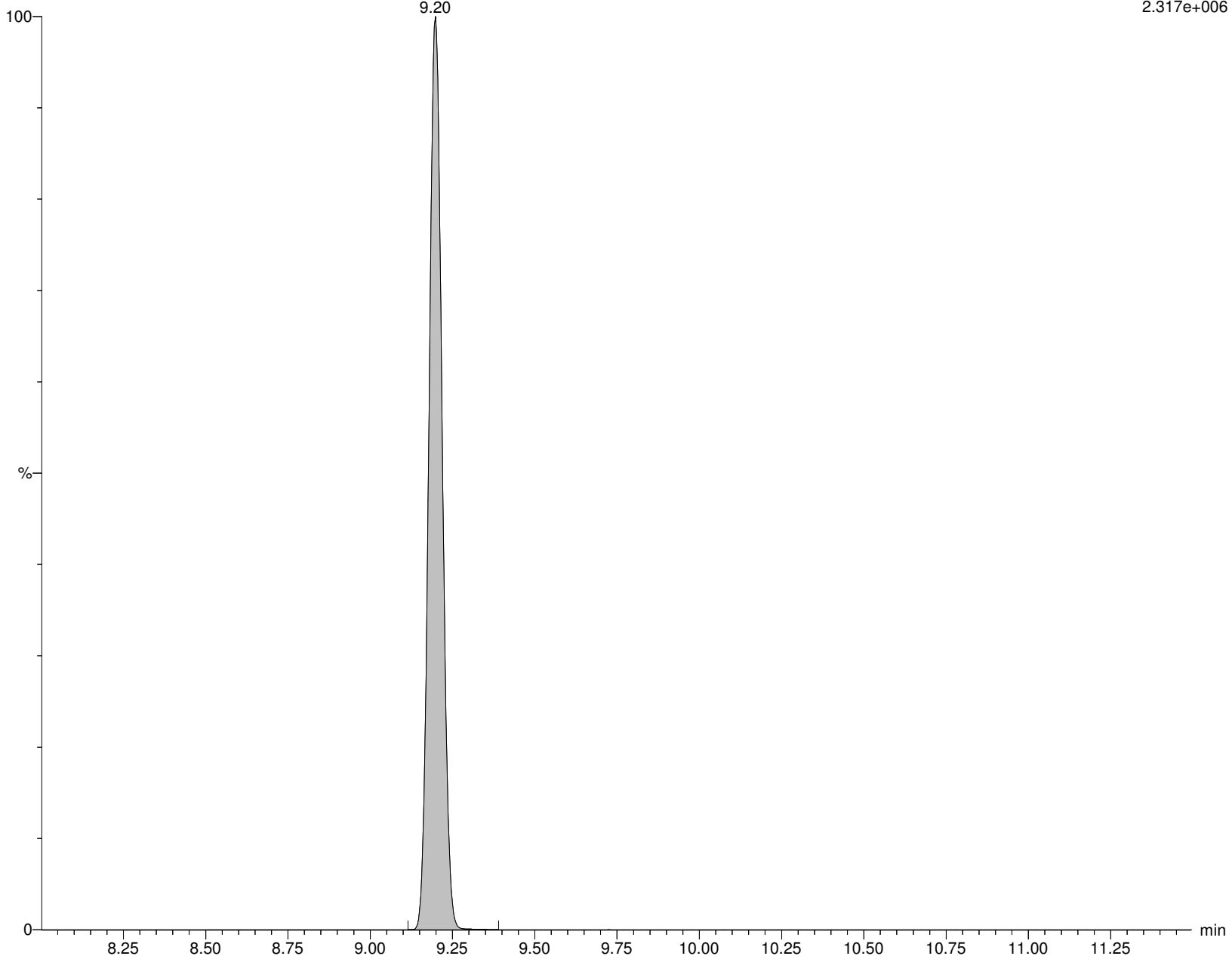
M8PFOA

9.20

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.317e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

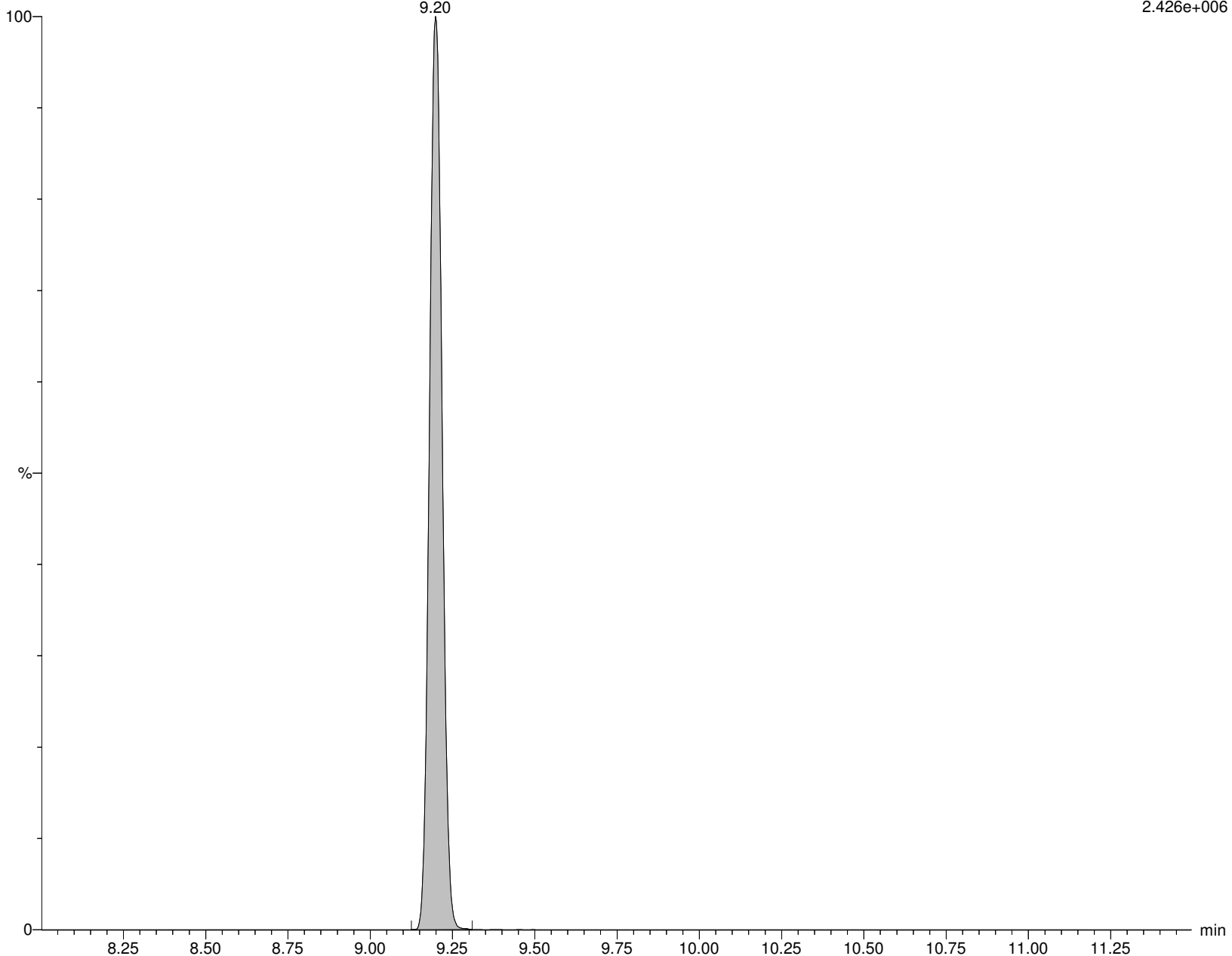
M2PFOA

9.20

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.426e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

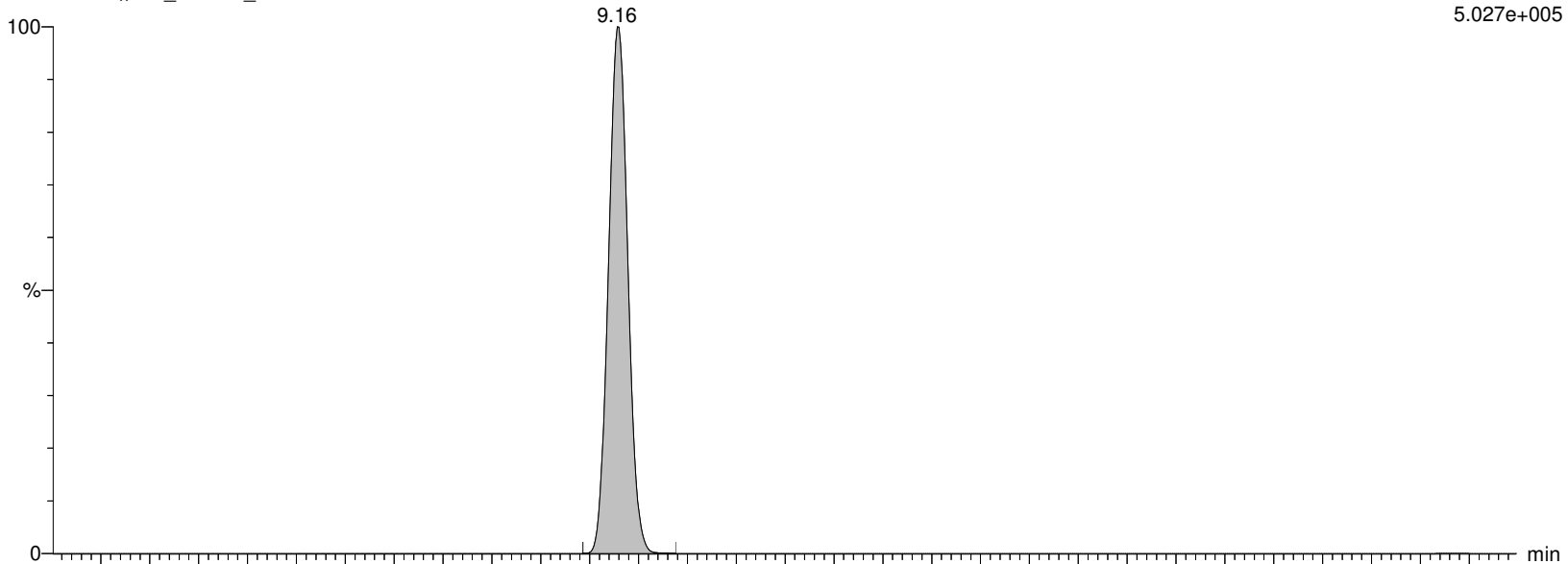
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F23:MRM of 3 channels,ES-

426.989 > 406.921

5.027e+005



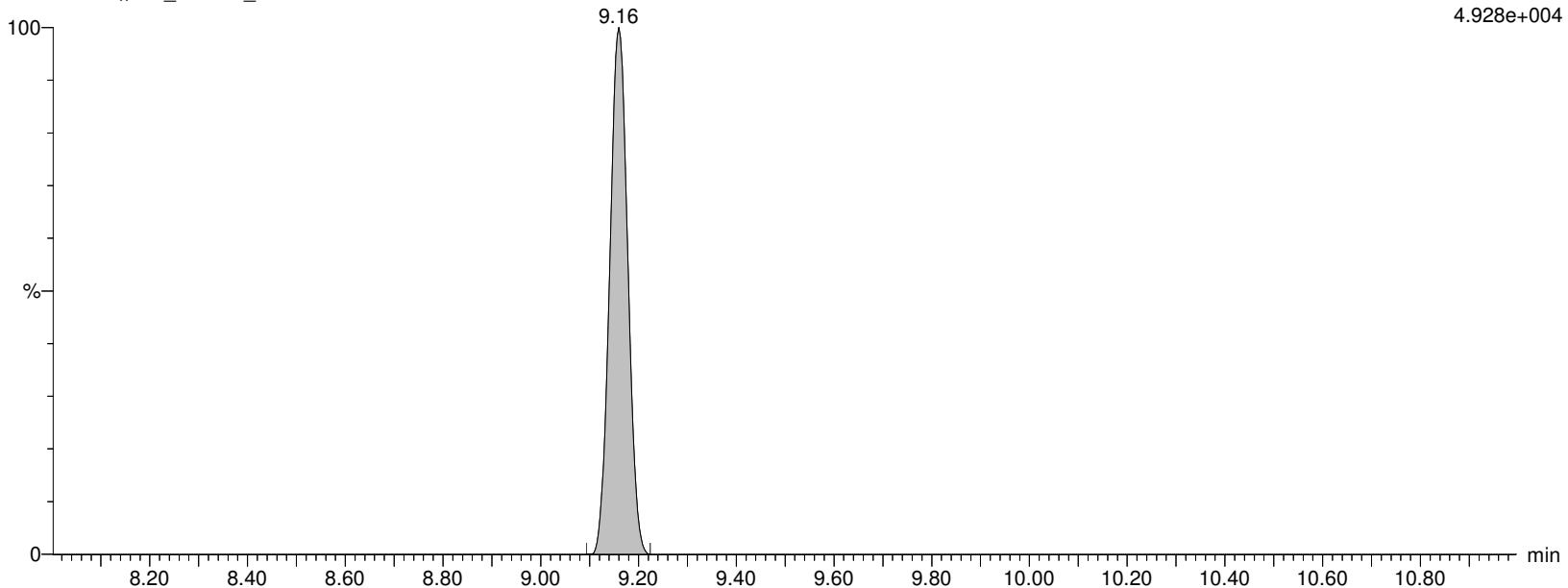
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F23:MRM of 3 channels,ES-

426.862 > 80.5

4.928e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

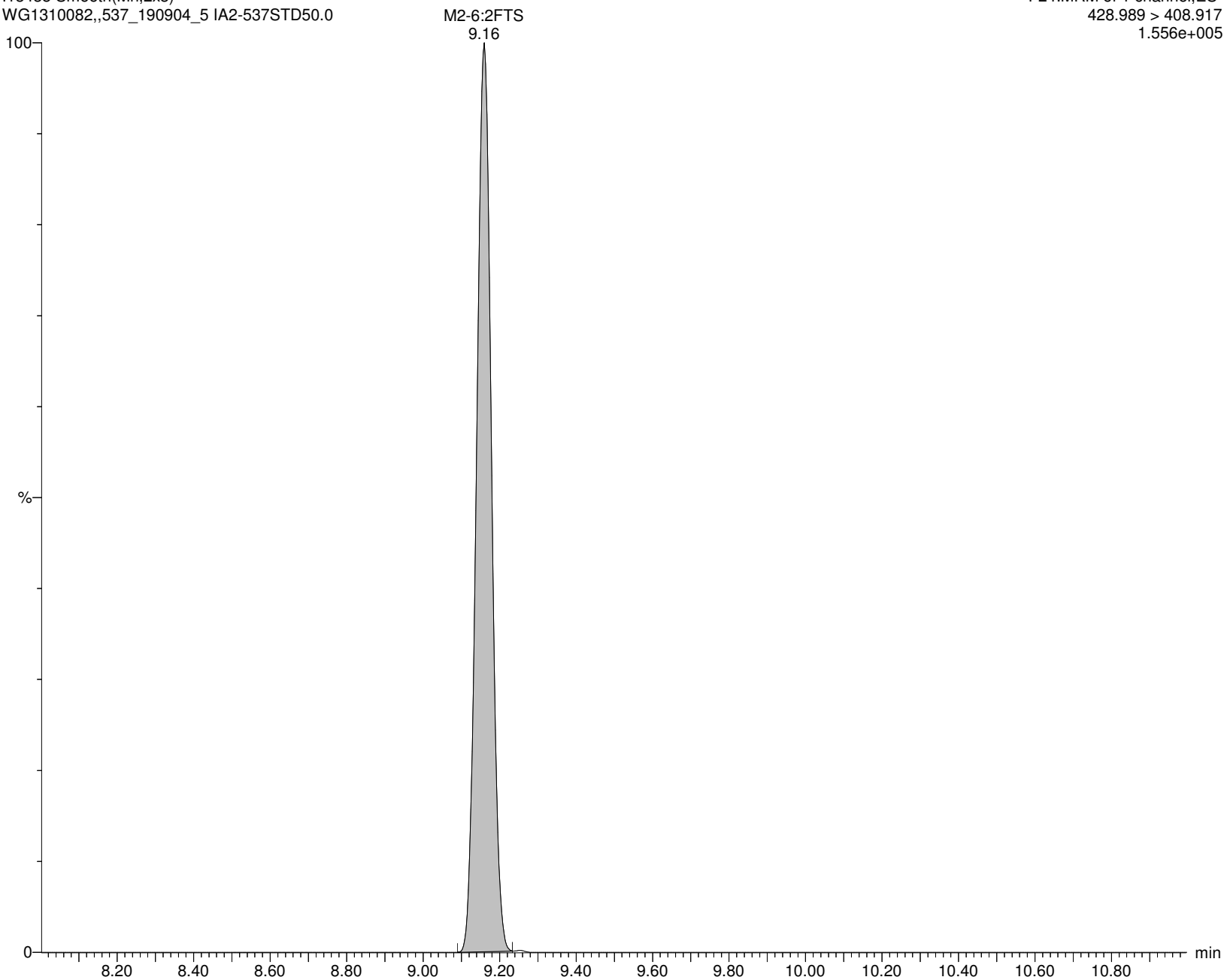
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.556e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

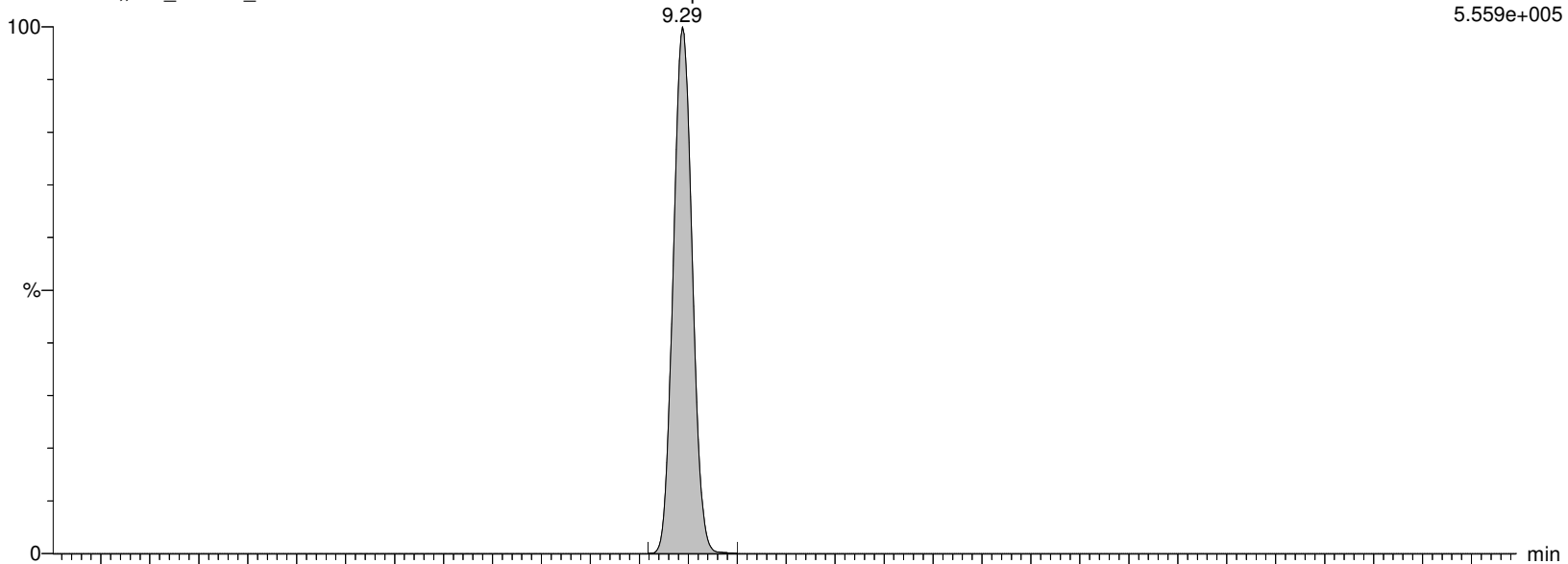
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F25:MRM of 2 channels,ES-

448.926 > 80.257

5.559e+005



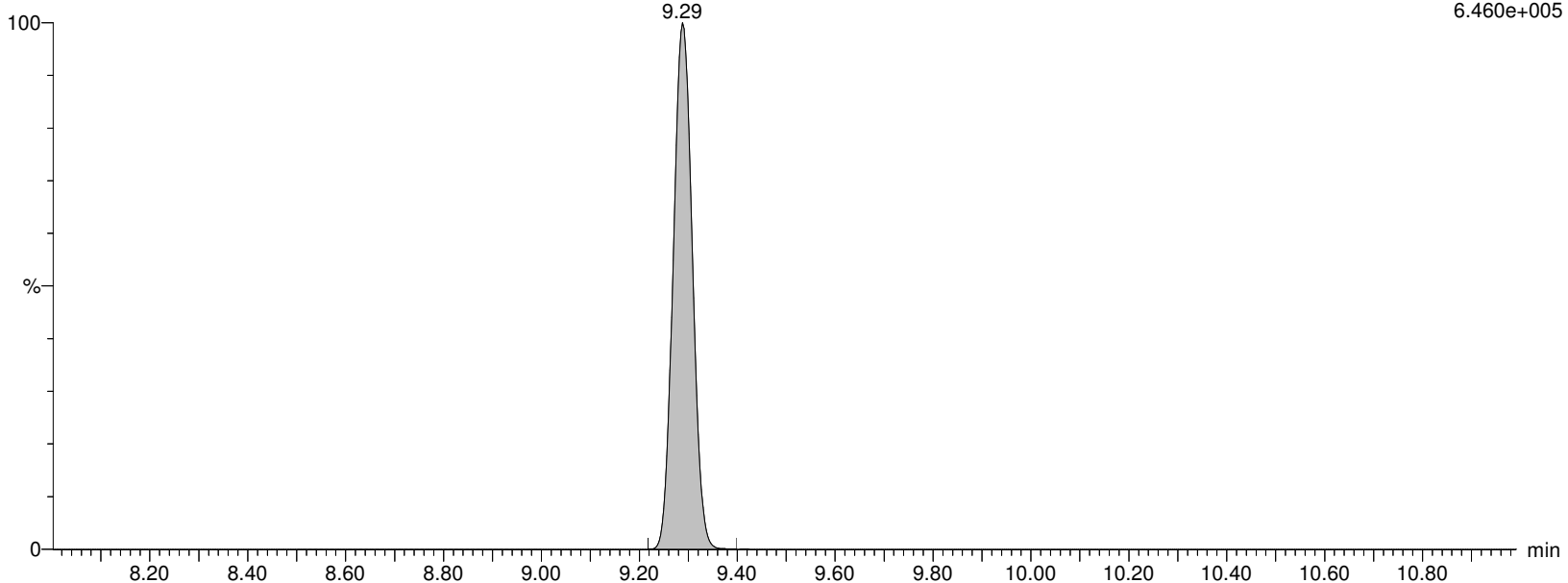
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F25:MRM of 2 channels,ES-

448.926 > 99.22

6.460e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

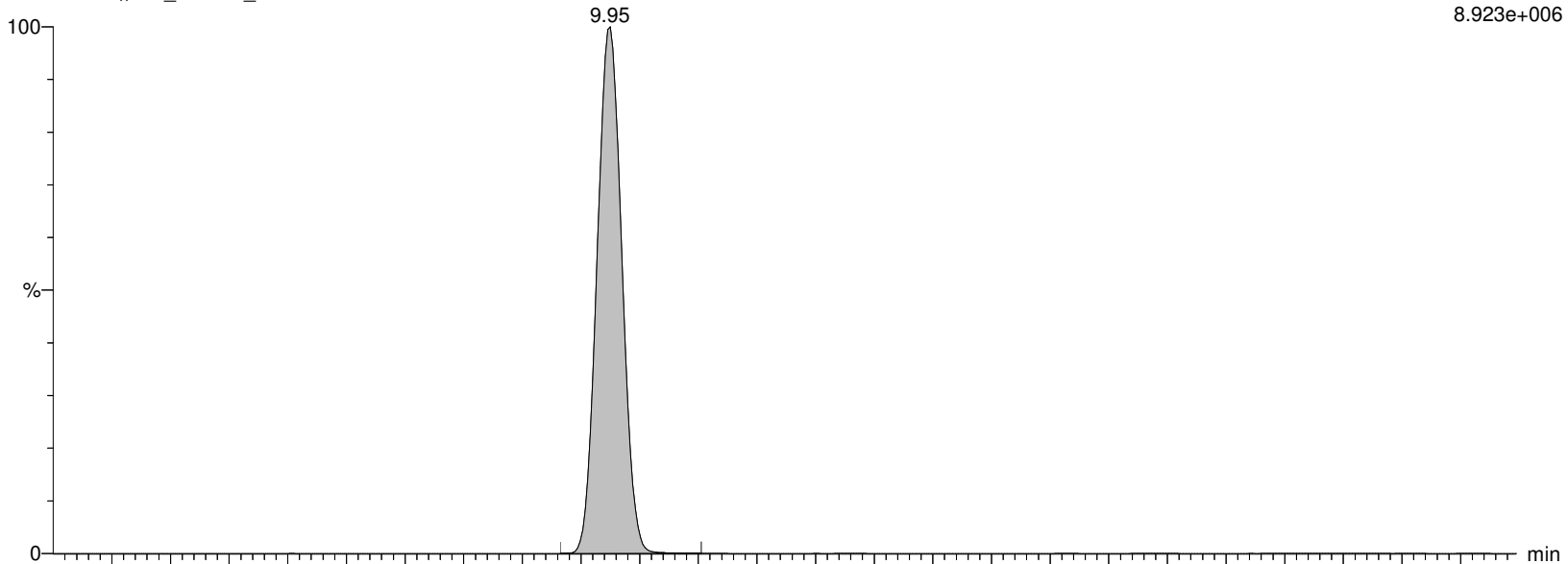
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F26:MRM of 2 channels,ES-

462.989 > 418.931

8.923e+006



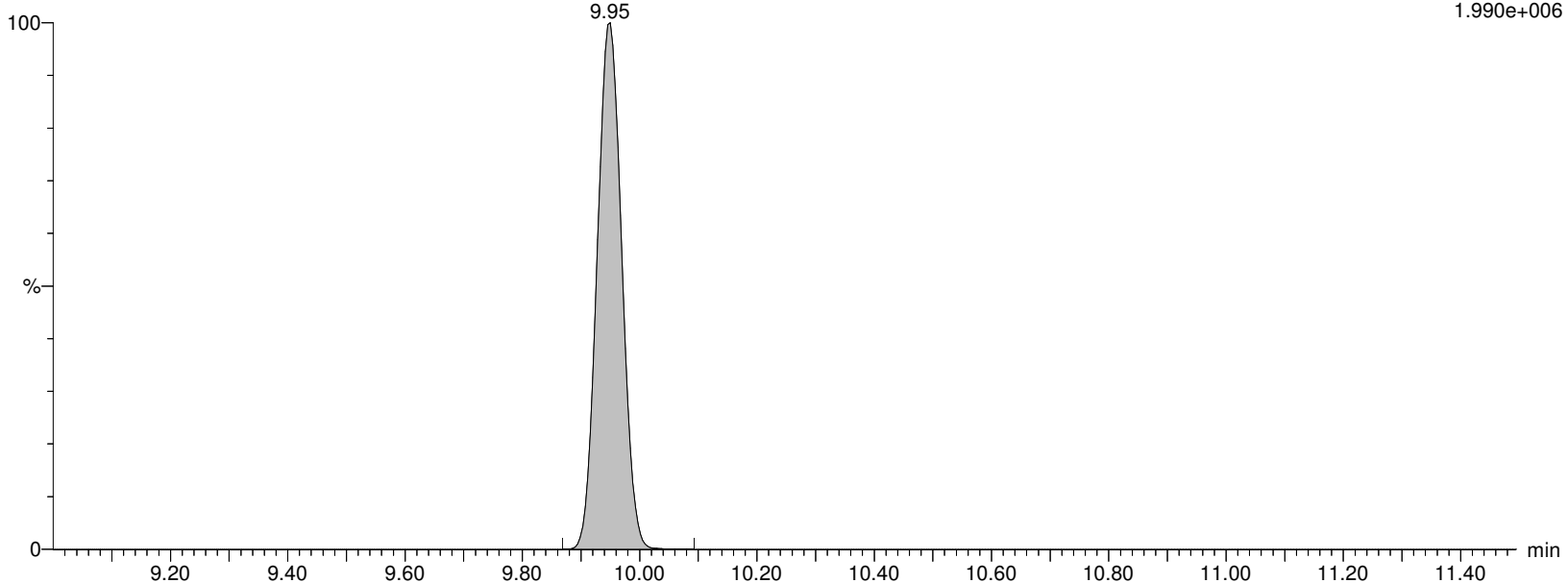
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F26:MRM of 2 channels,ES-

462.989 > 219.04

1.990e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

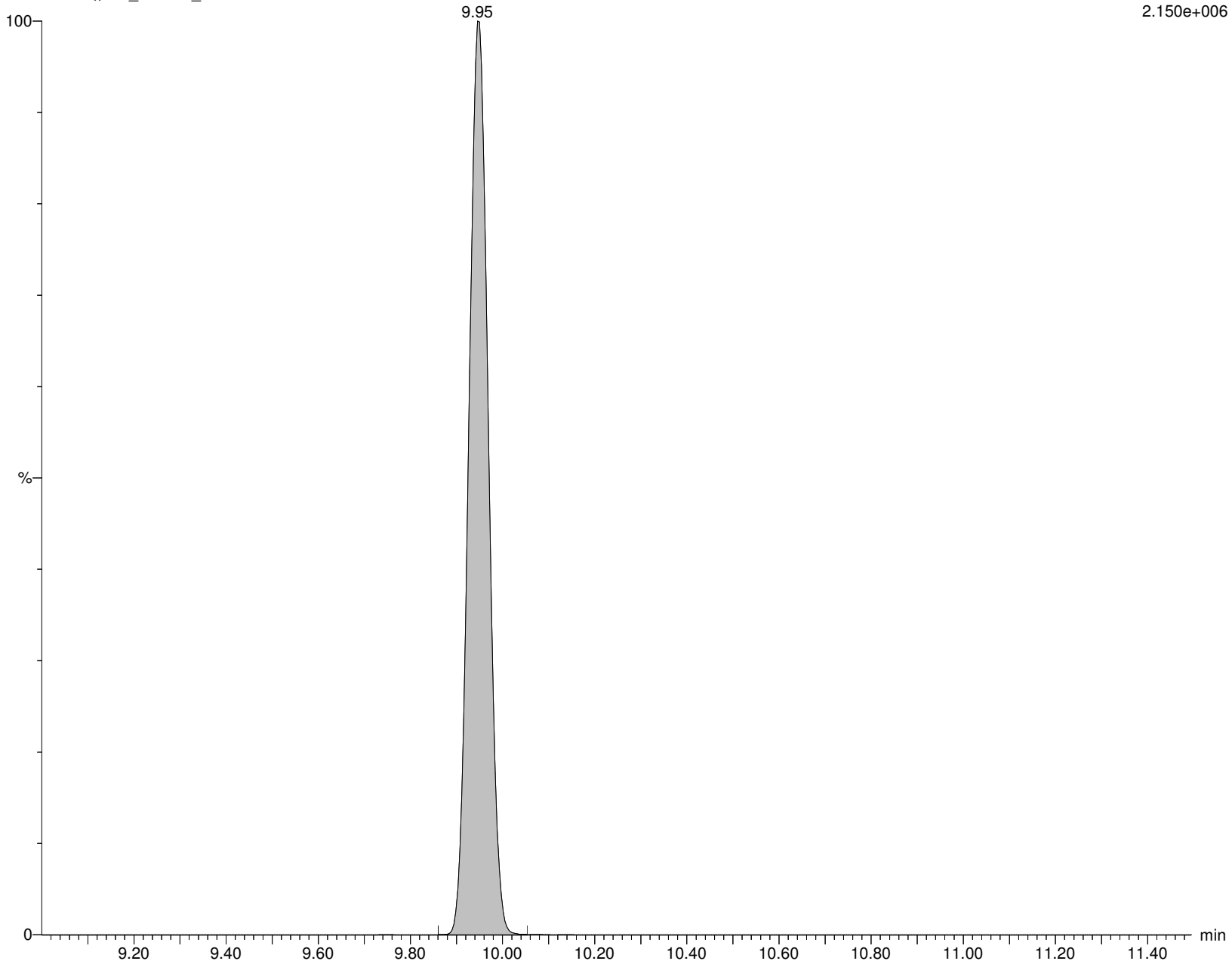
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.150e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

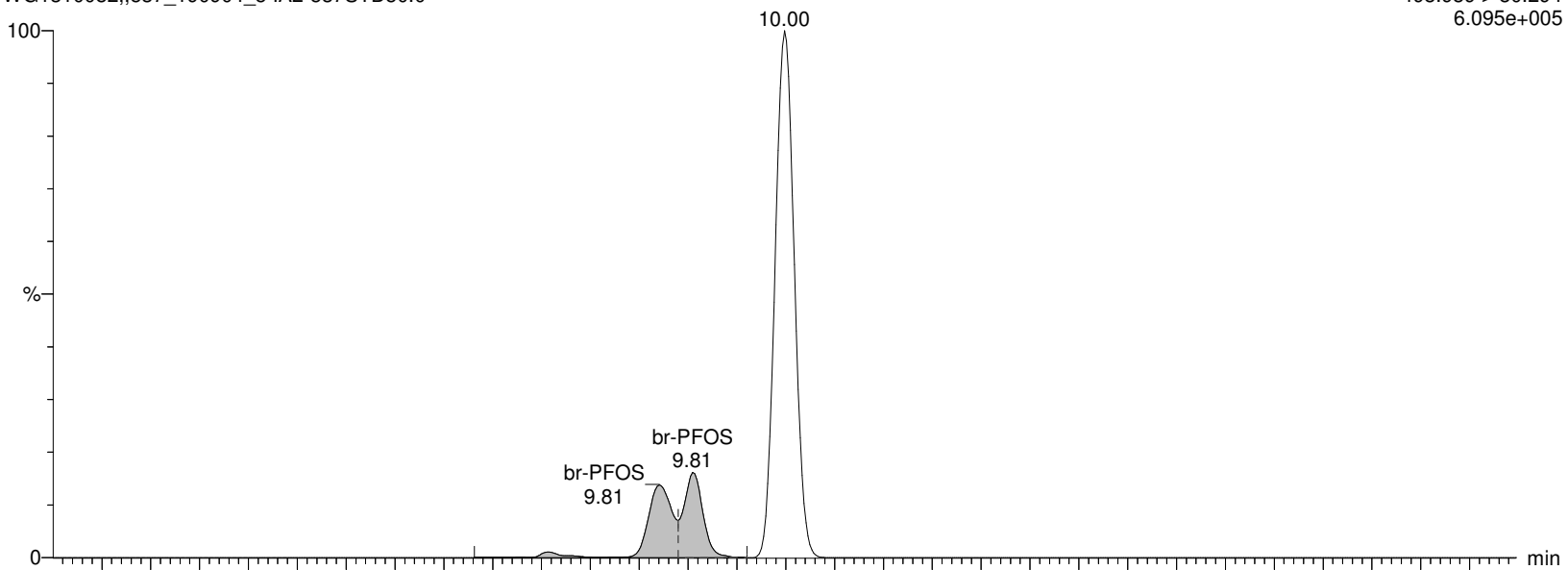
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

6.095e+005



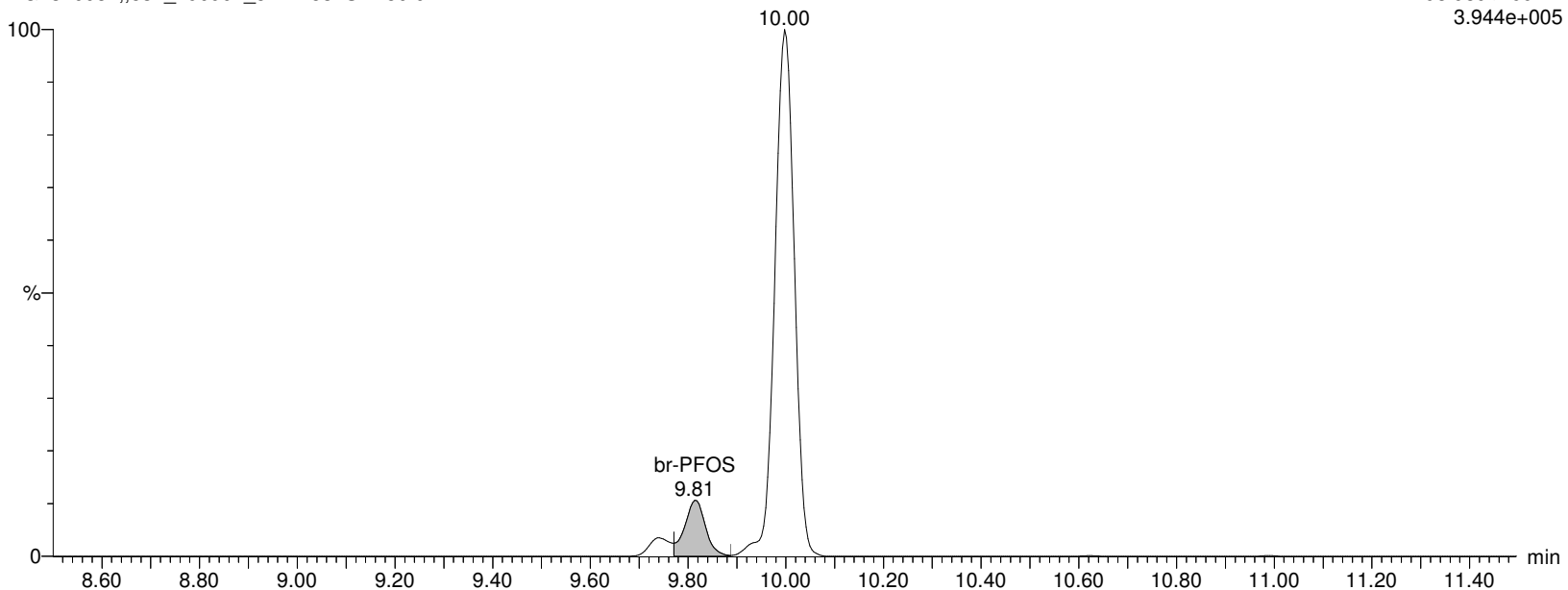
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.944e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

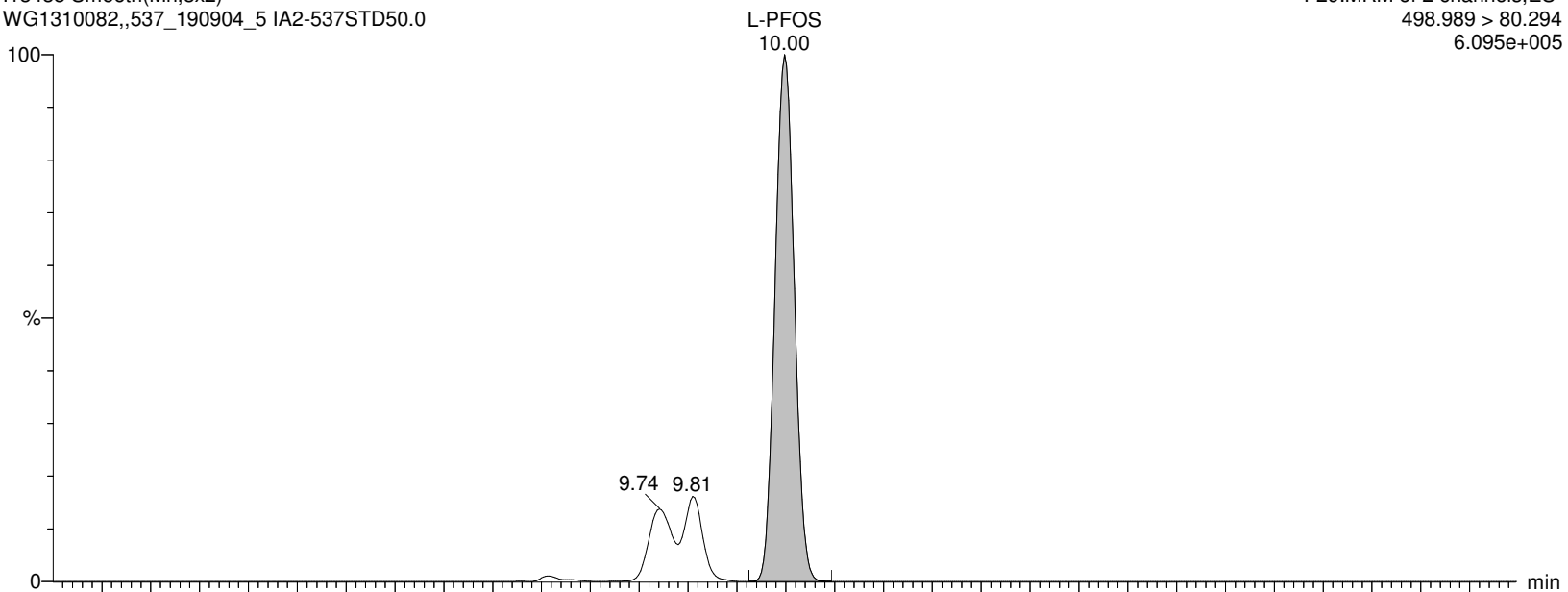
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

6.095e+005



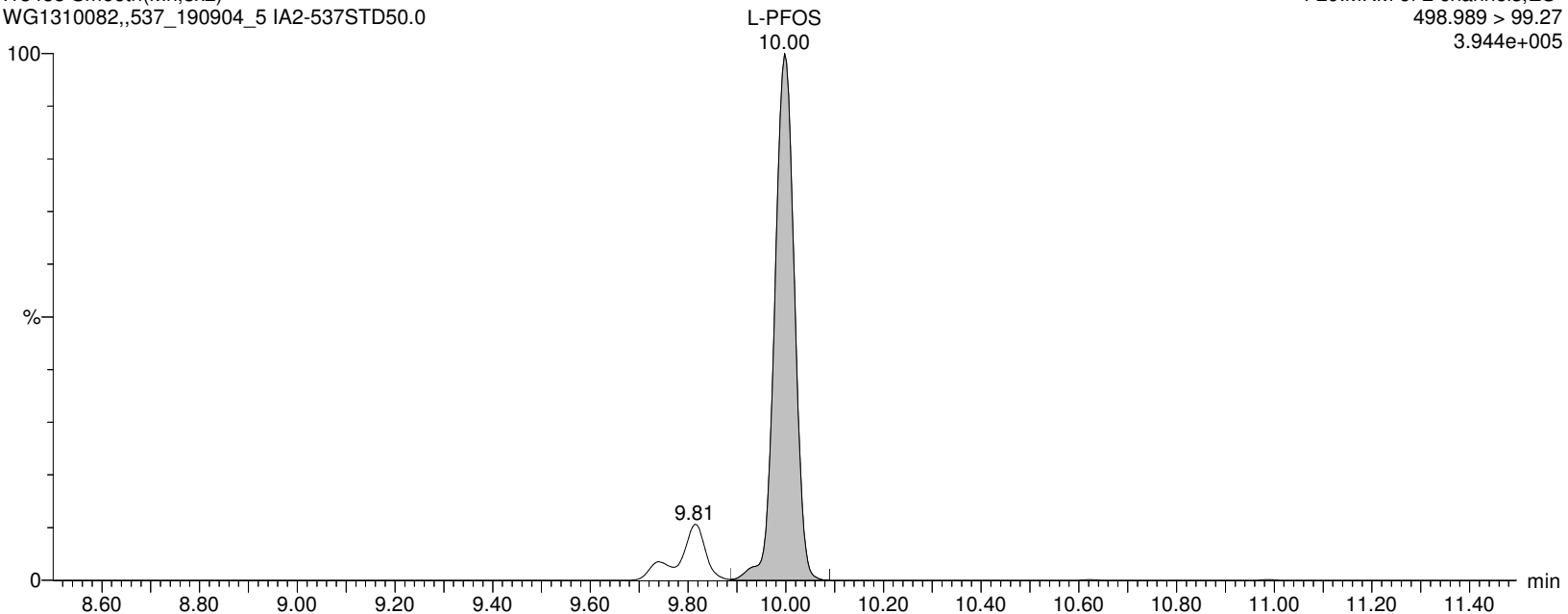
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.944e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

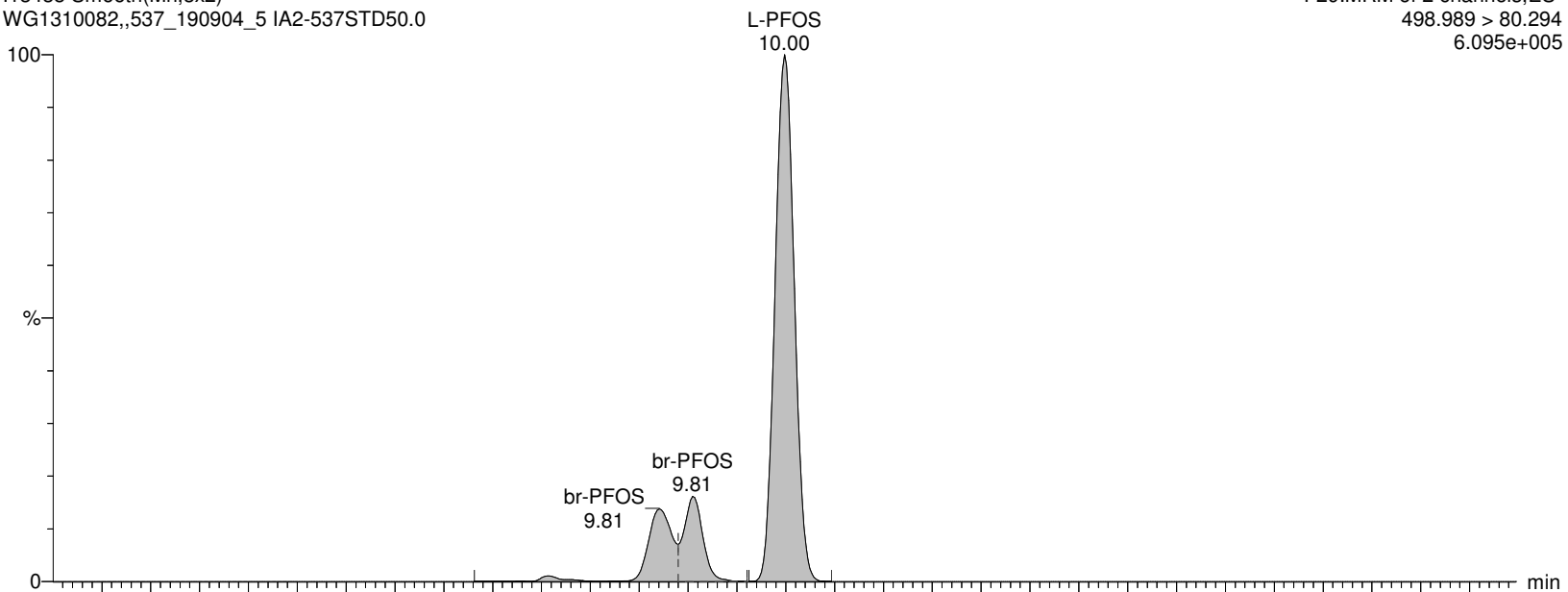
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 80.294

6.095e+005



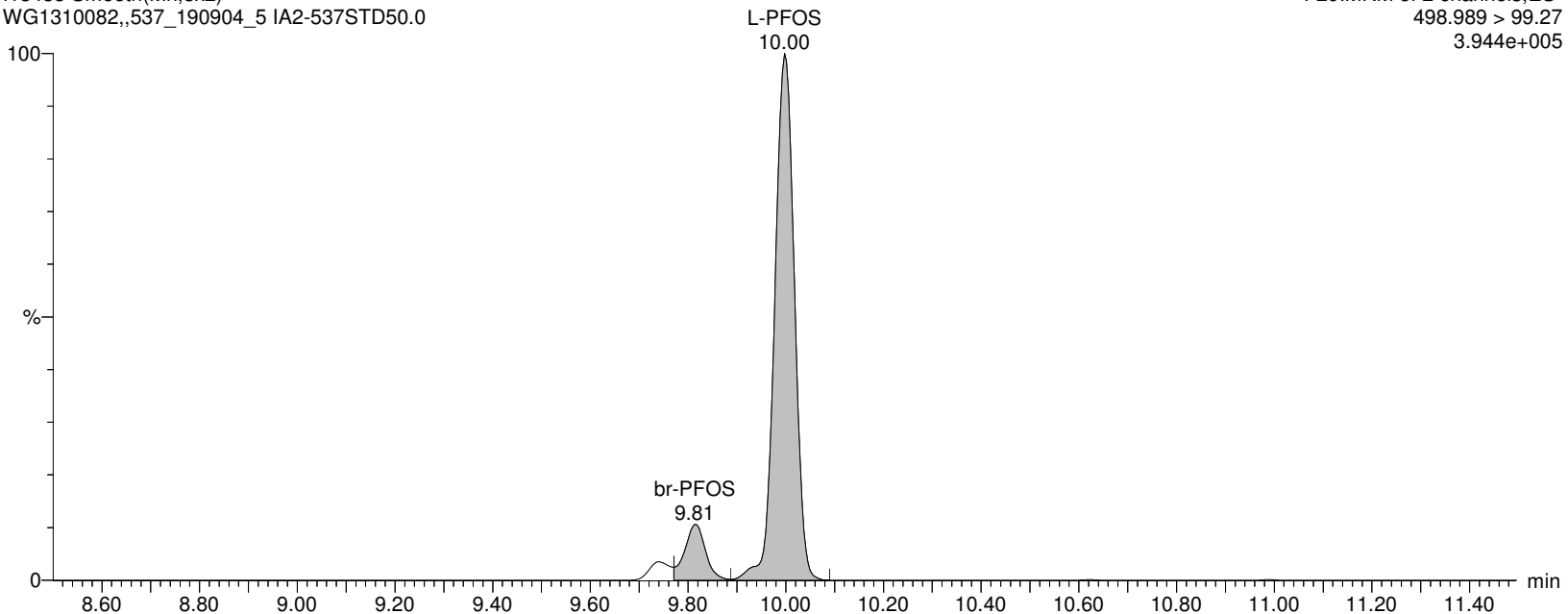
I13438 Smooth(Mn,3x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.944e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

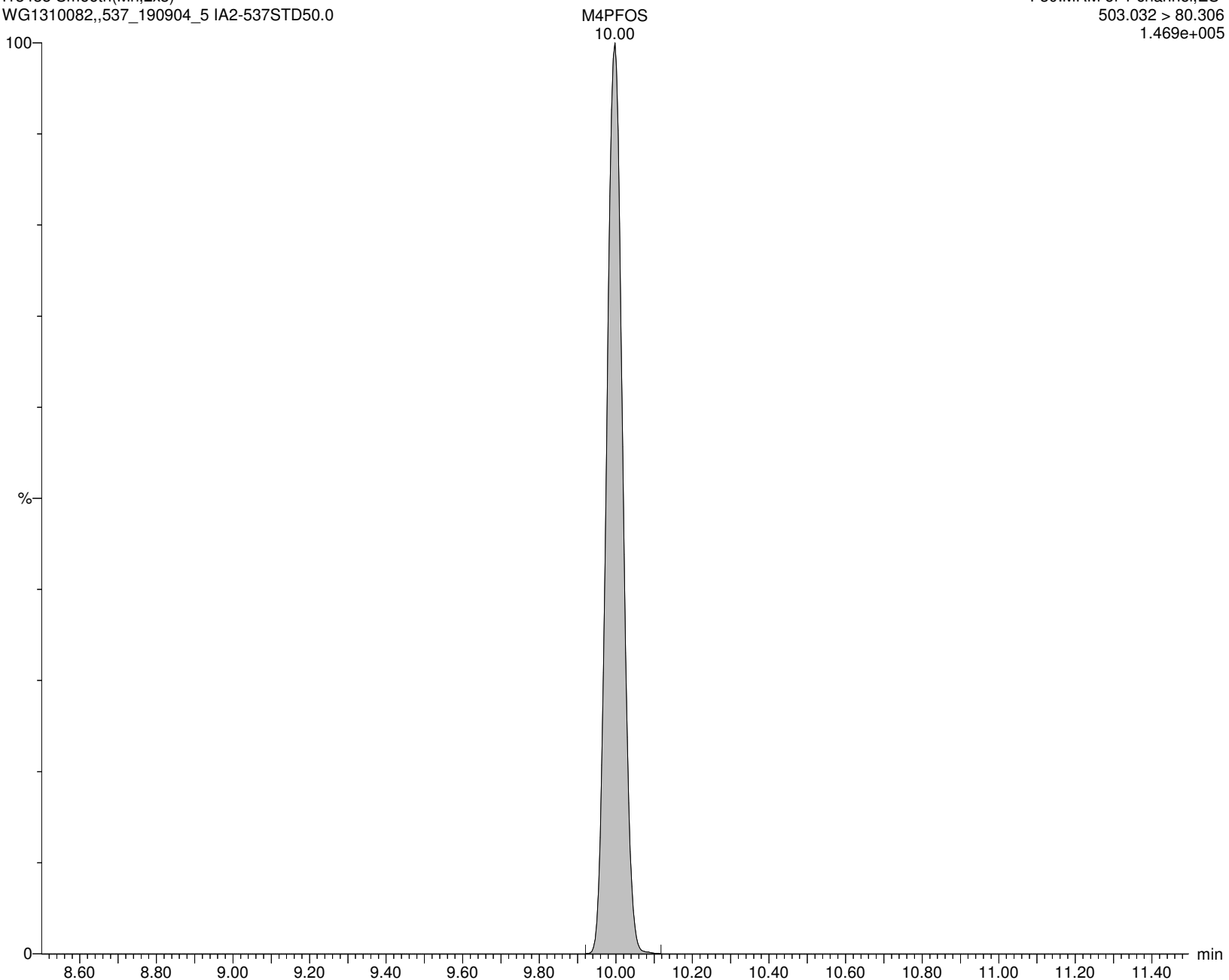
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.469e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

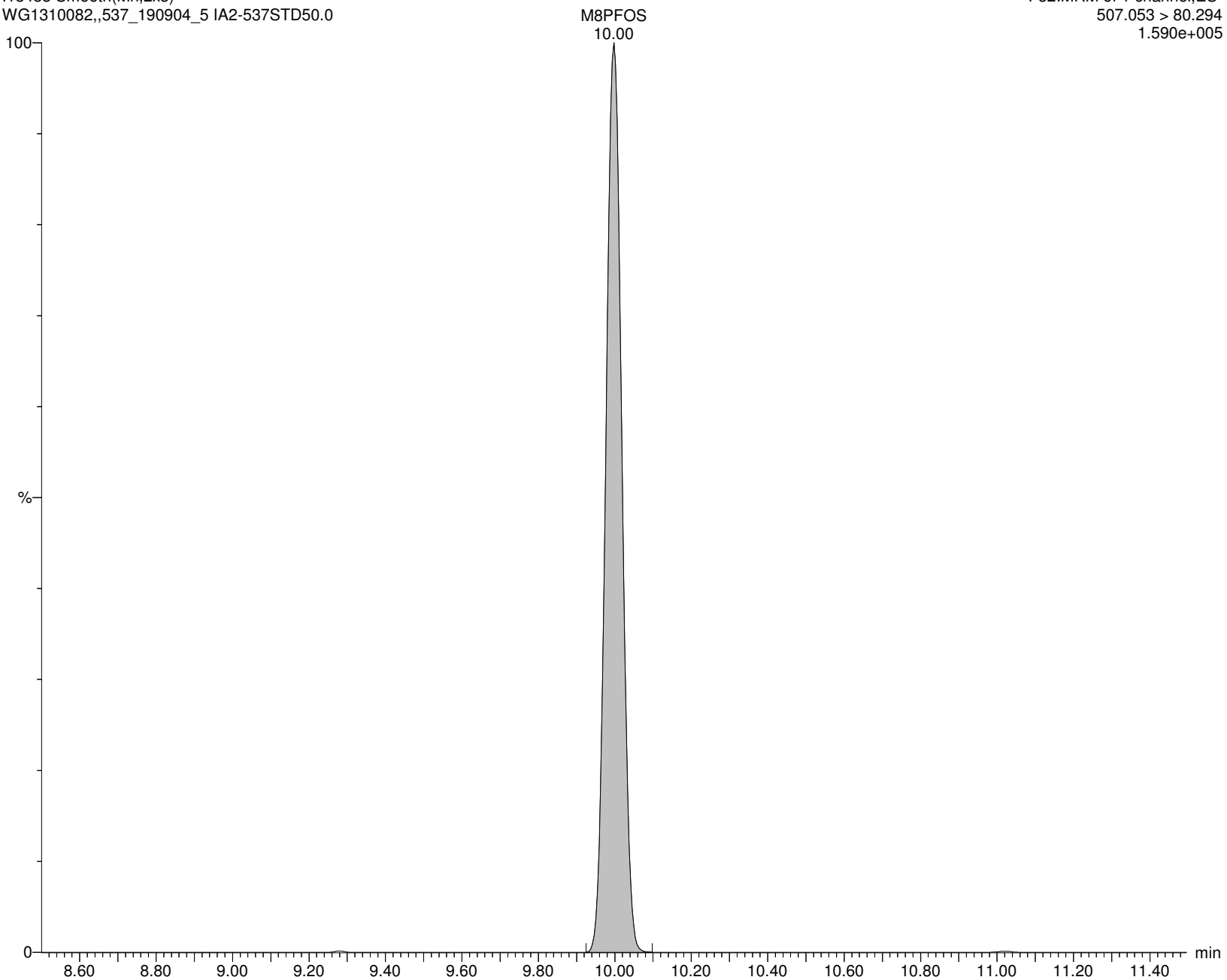
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.590e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

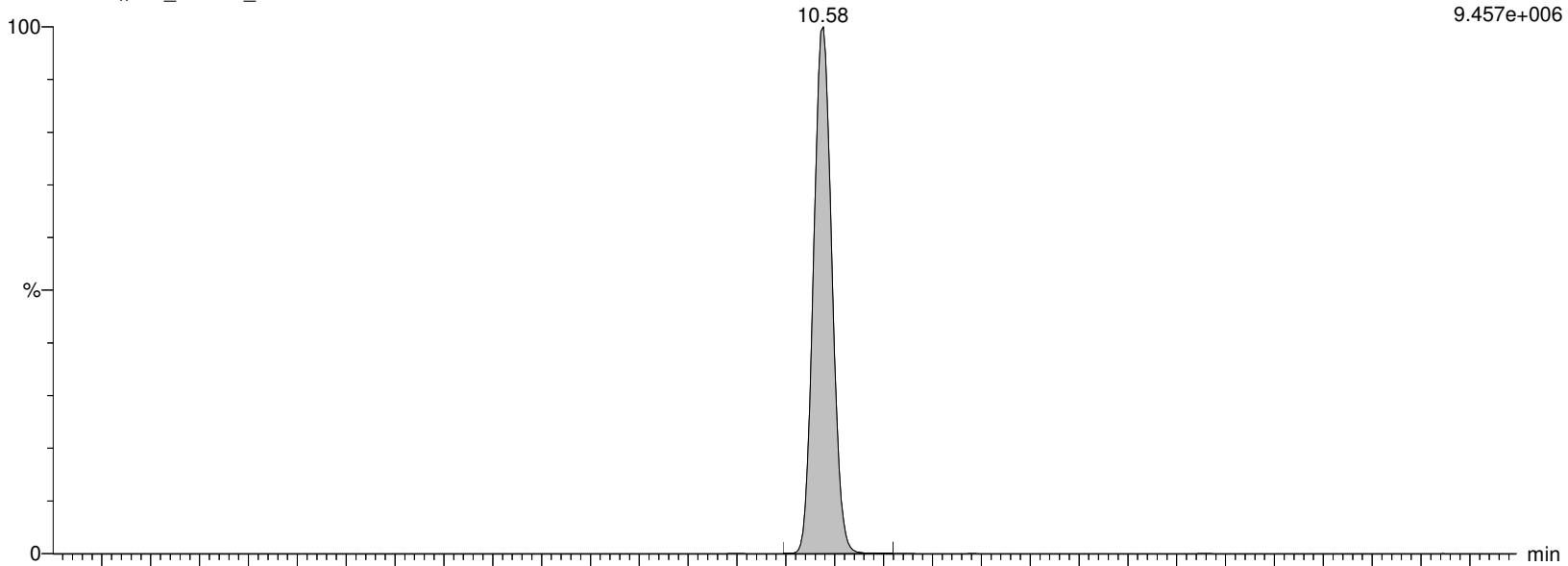
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F34:MRM of 2 channels,ES-

513.053 > 468.906

9.457e+006



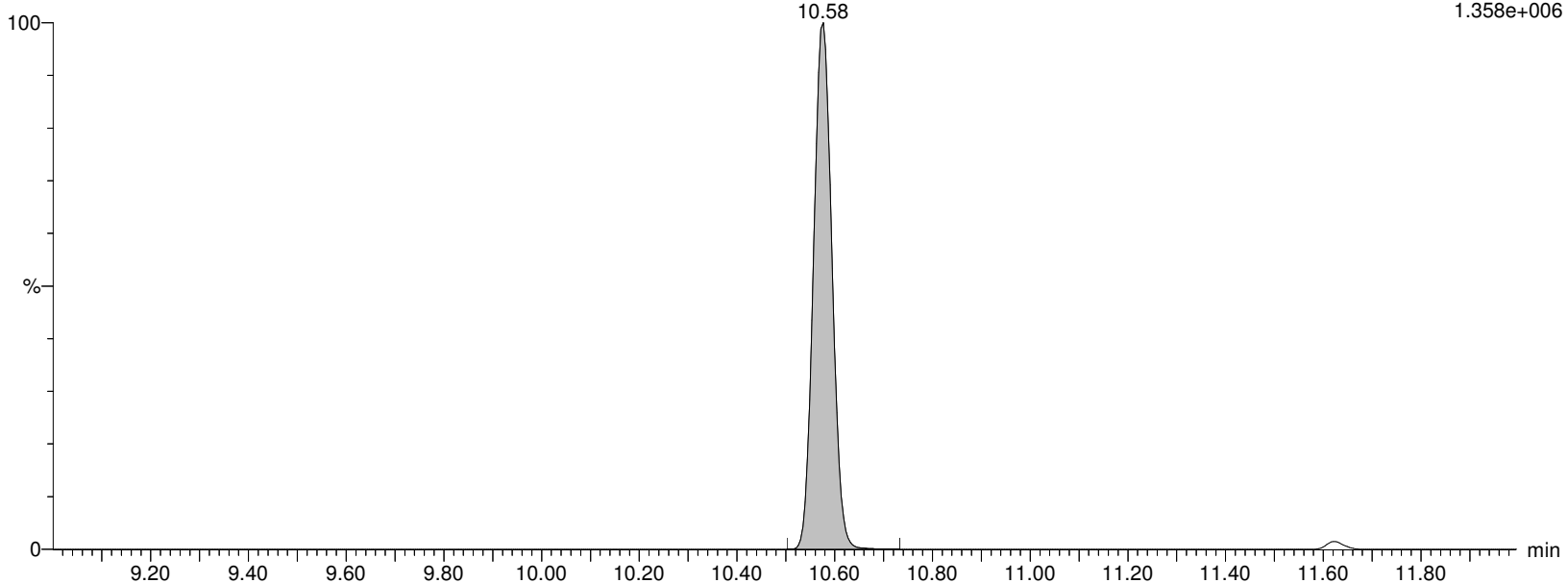
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F34:MRM of 2 channels,ES-

513.053 > 219.08

1.358e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

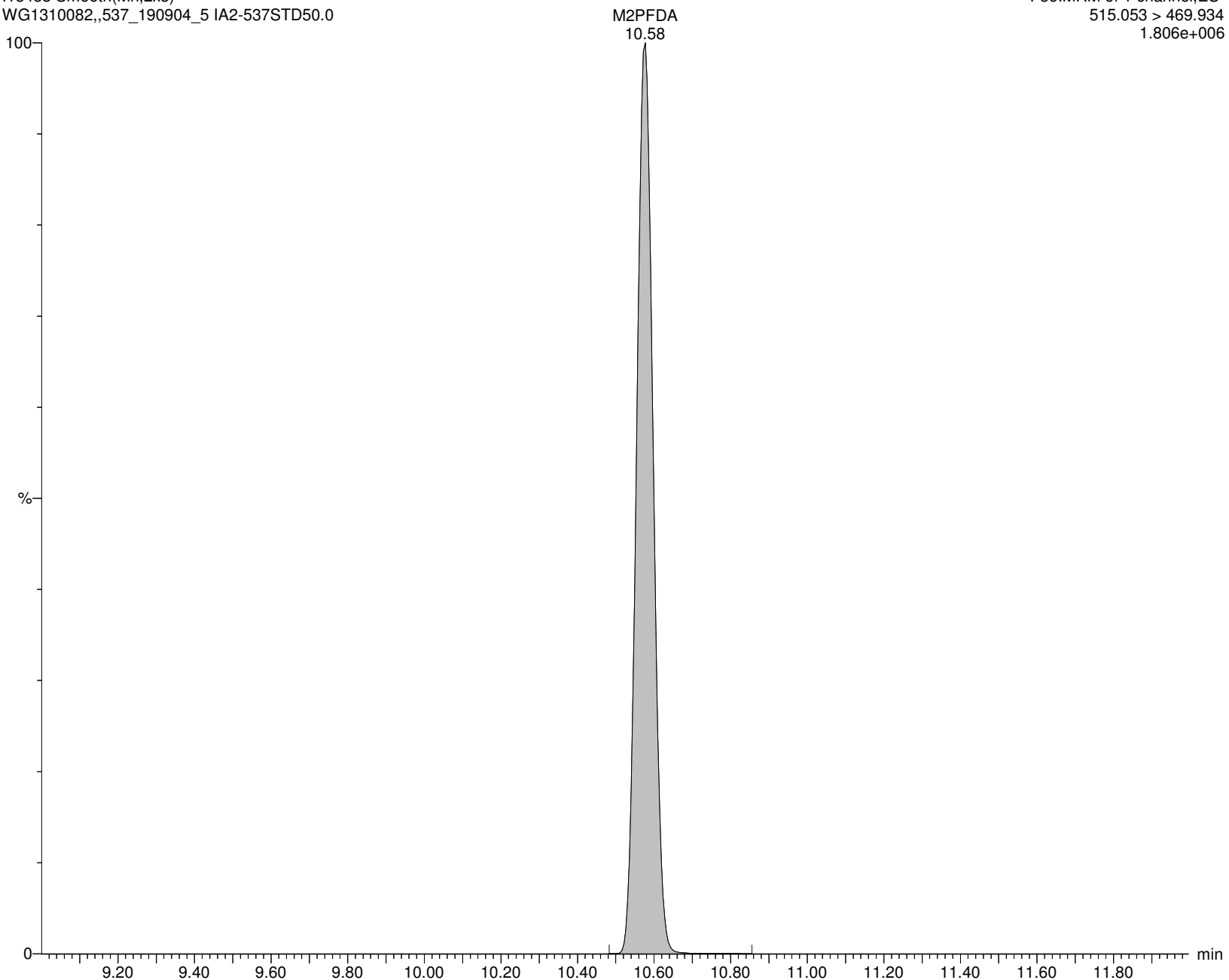
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F36:MRM of 1 channel,ES-

515.053 > 469.934

1.806e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

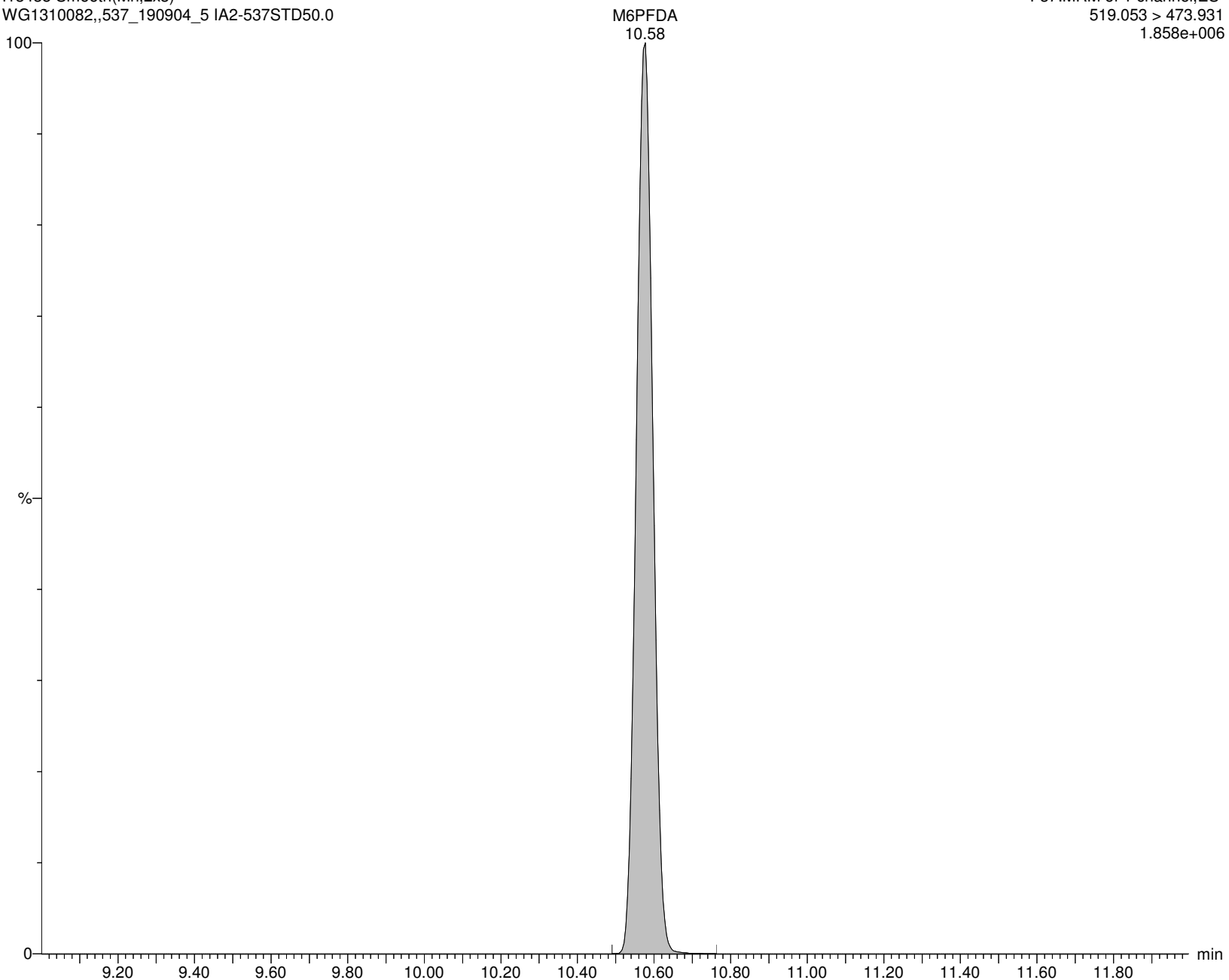
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F37:MRM of 1 channel,ES-

519.053 > 473.931

1.858e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

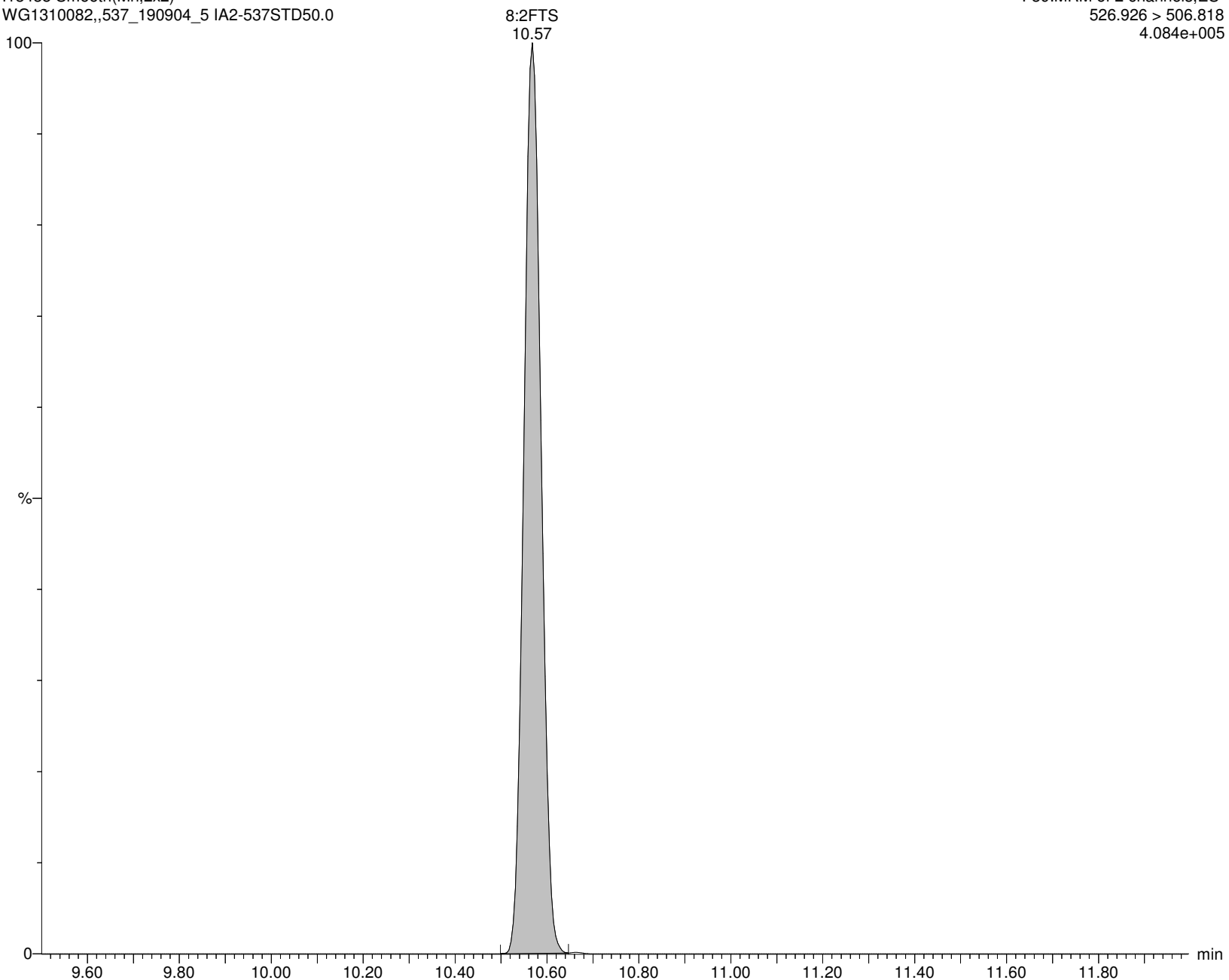
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F39:MRM of 2 channels,ES-

526.926 > 506.818

4.084e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

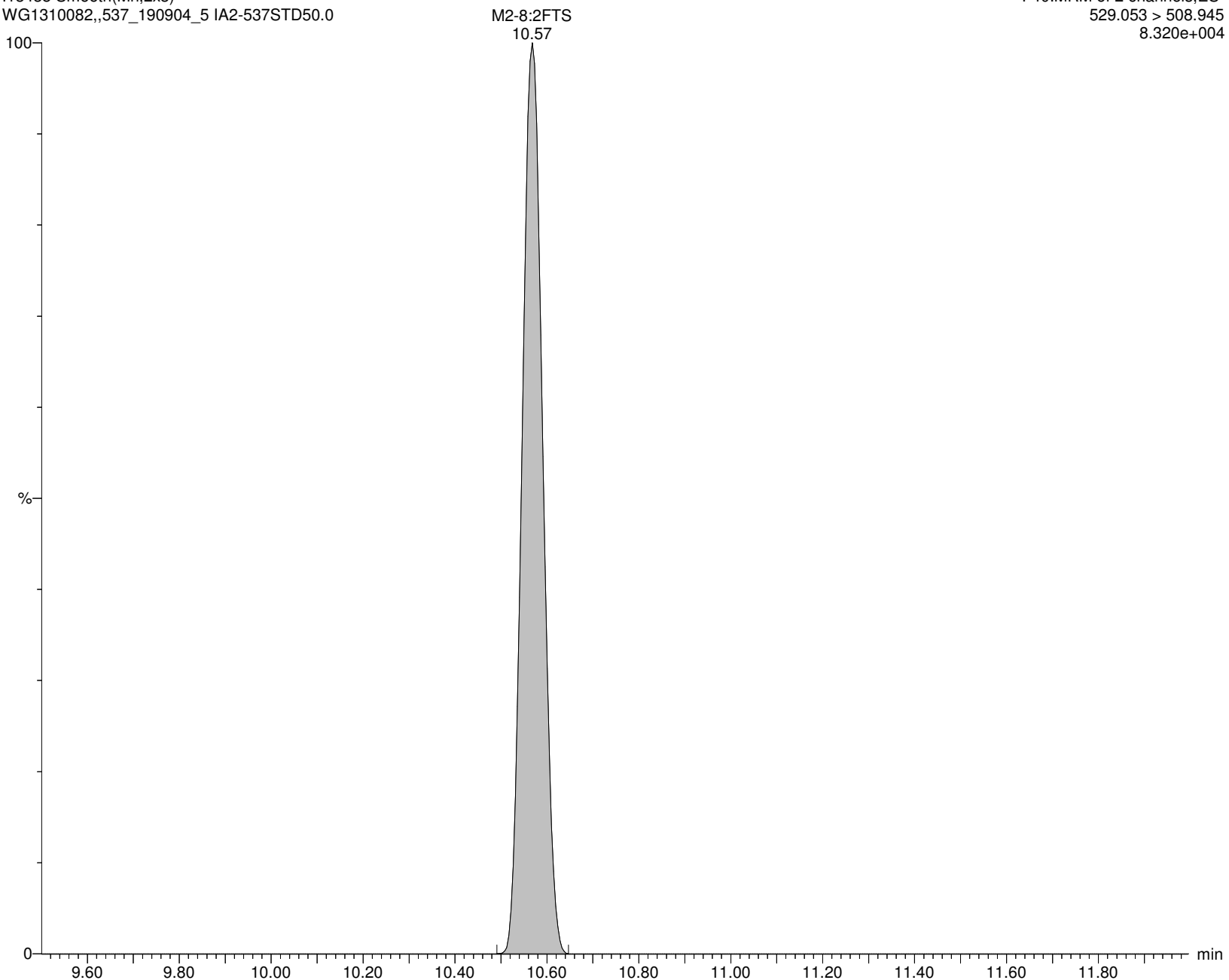
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F40:MRM of 2 channels,ES-

529.053 > 508.945

8.320e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

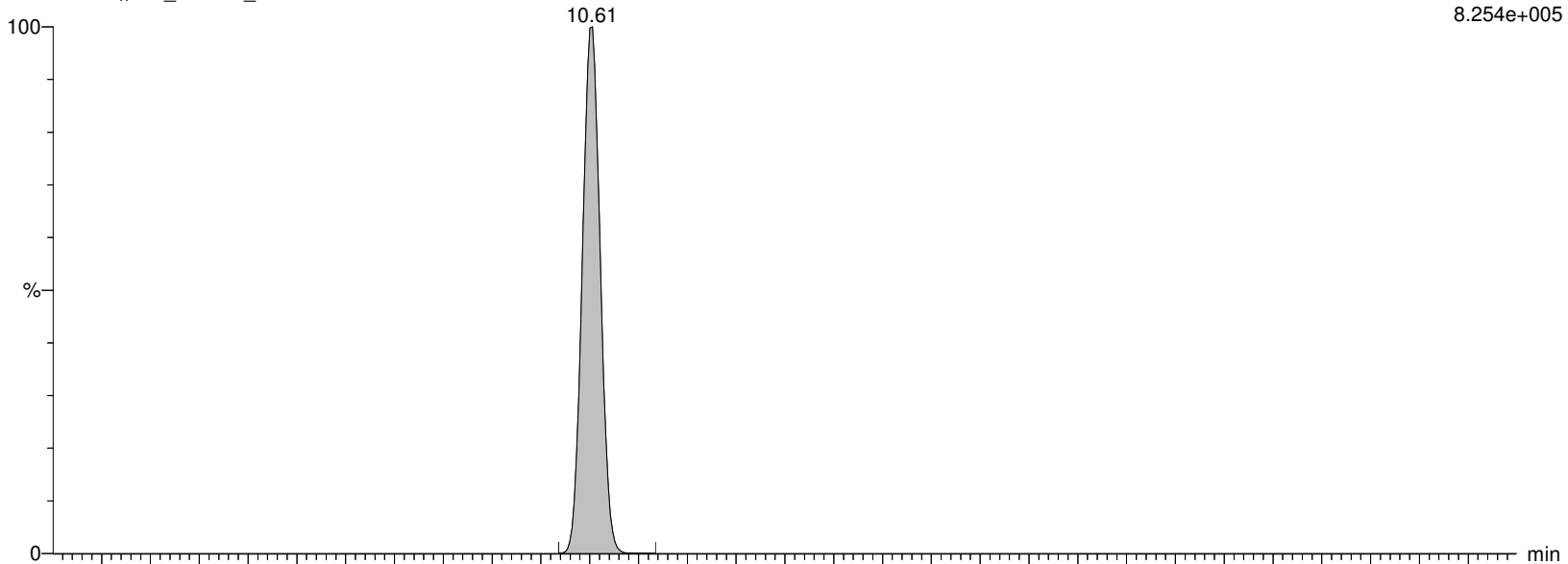
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F43:MRM of 2 channels,ES-

548.989 > 80.249

8.254e+005



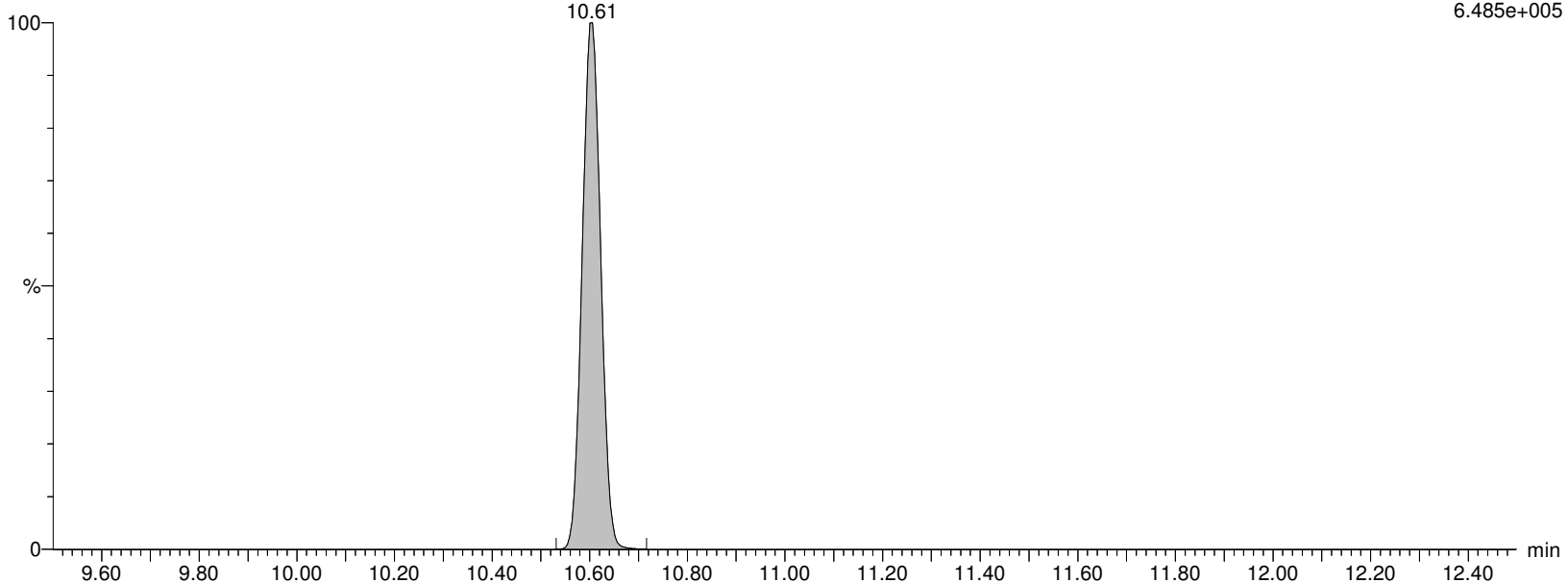
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F43:MRM of 2 channels,ES-

548.989 > 99.22

6.485e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

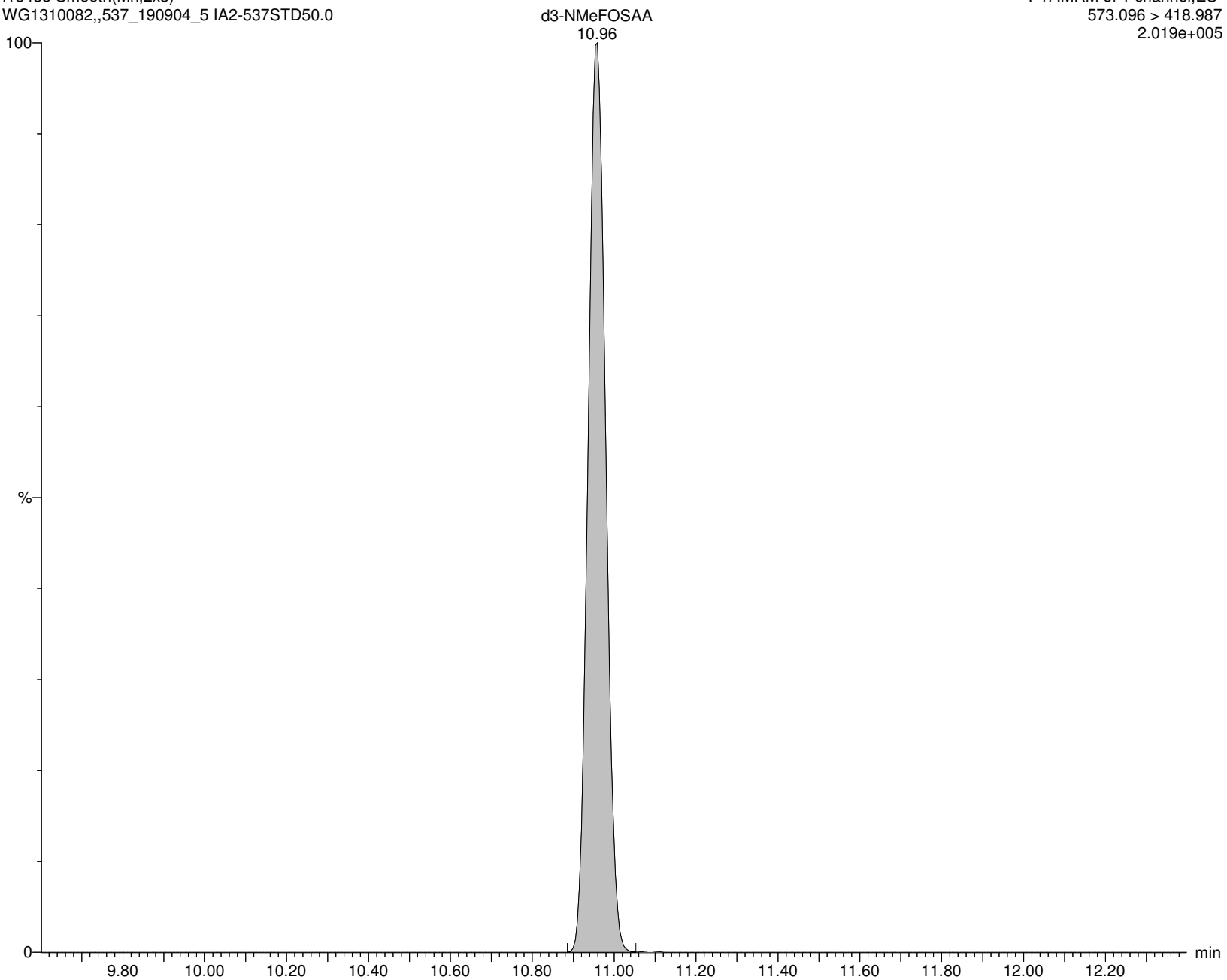
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.019e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

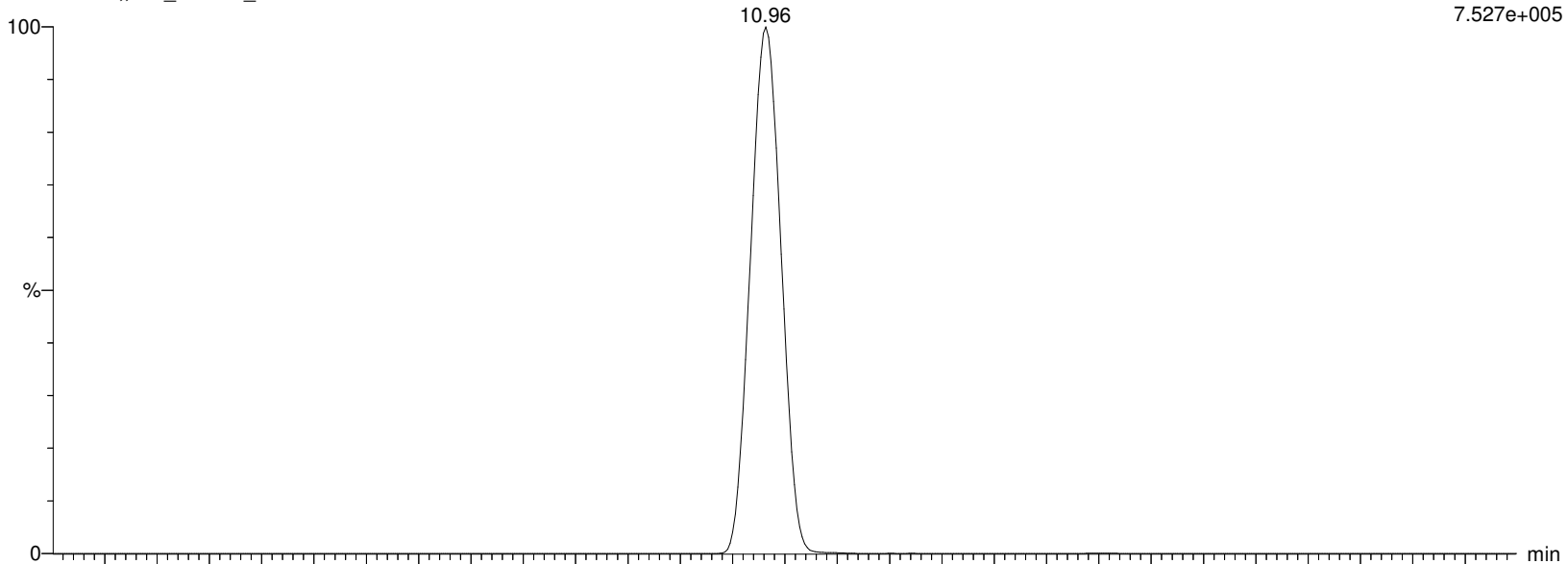
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

7.527e+005



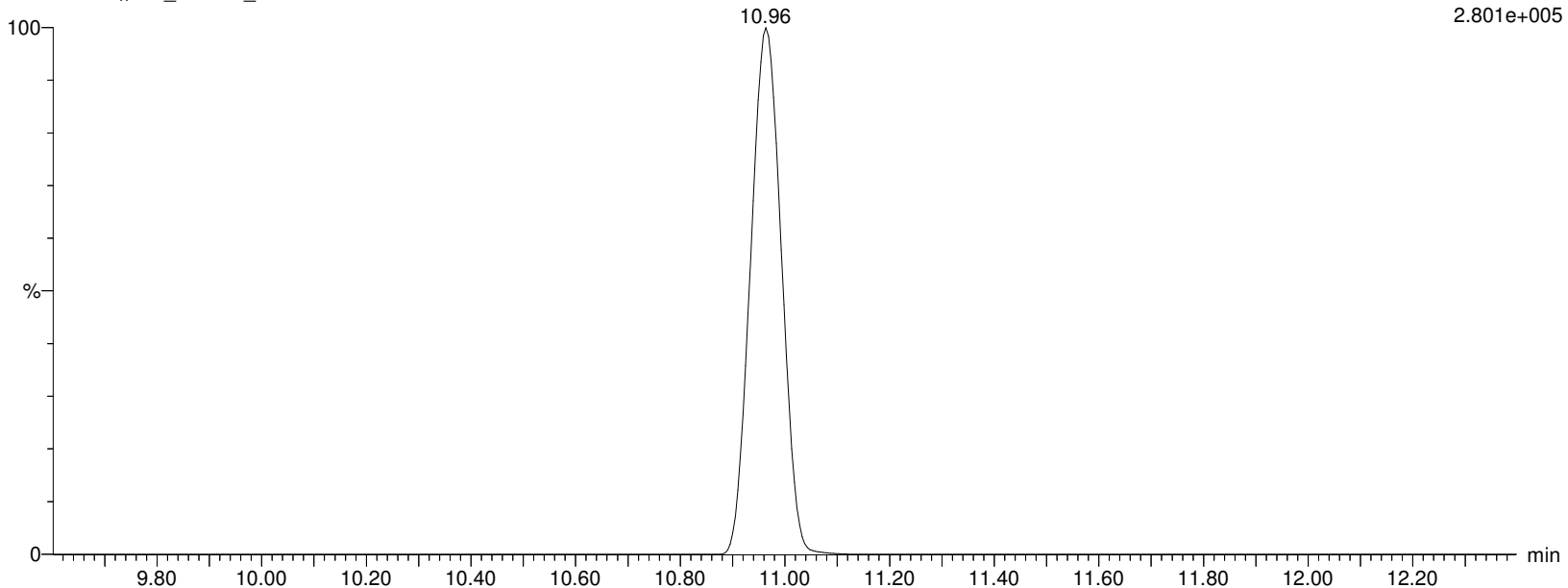
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.801e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

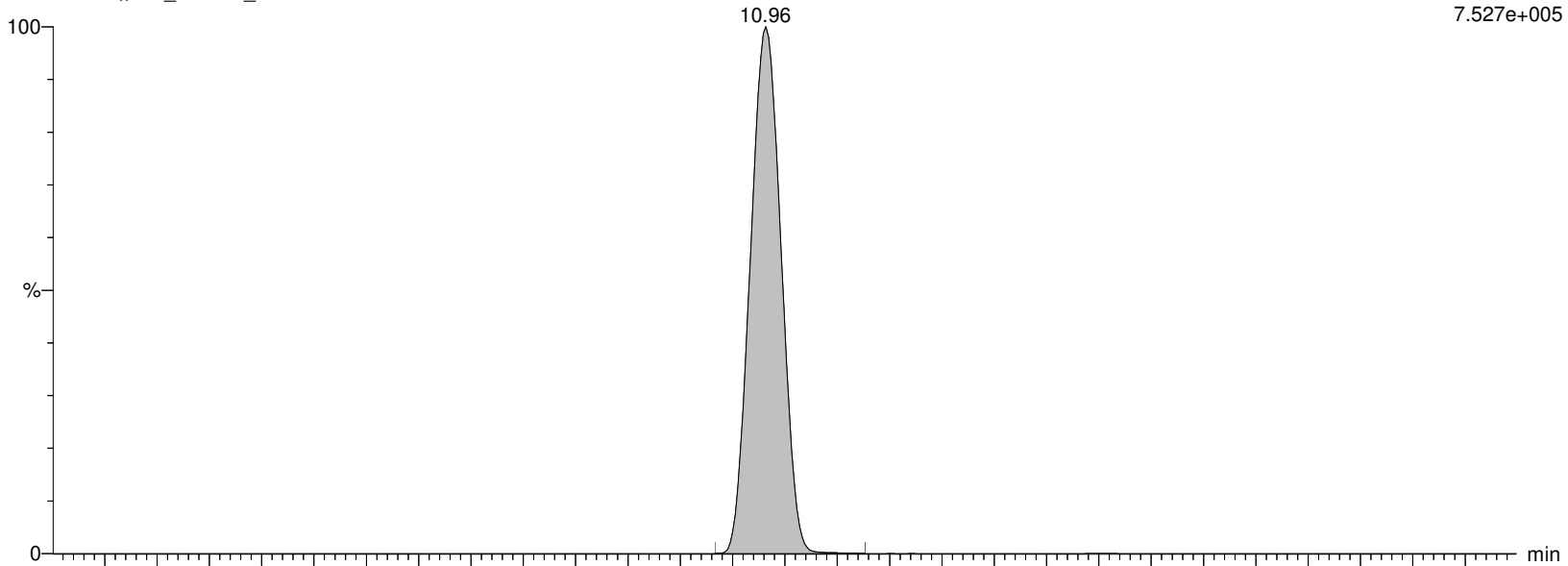
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

7.527e+005



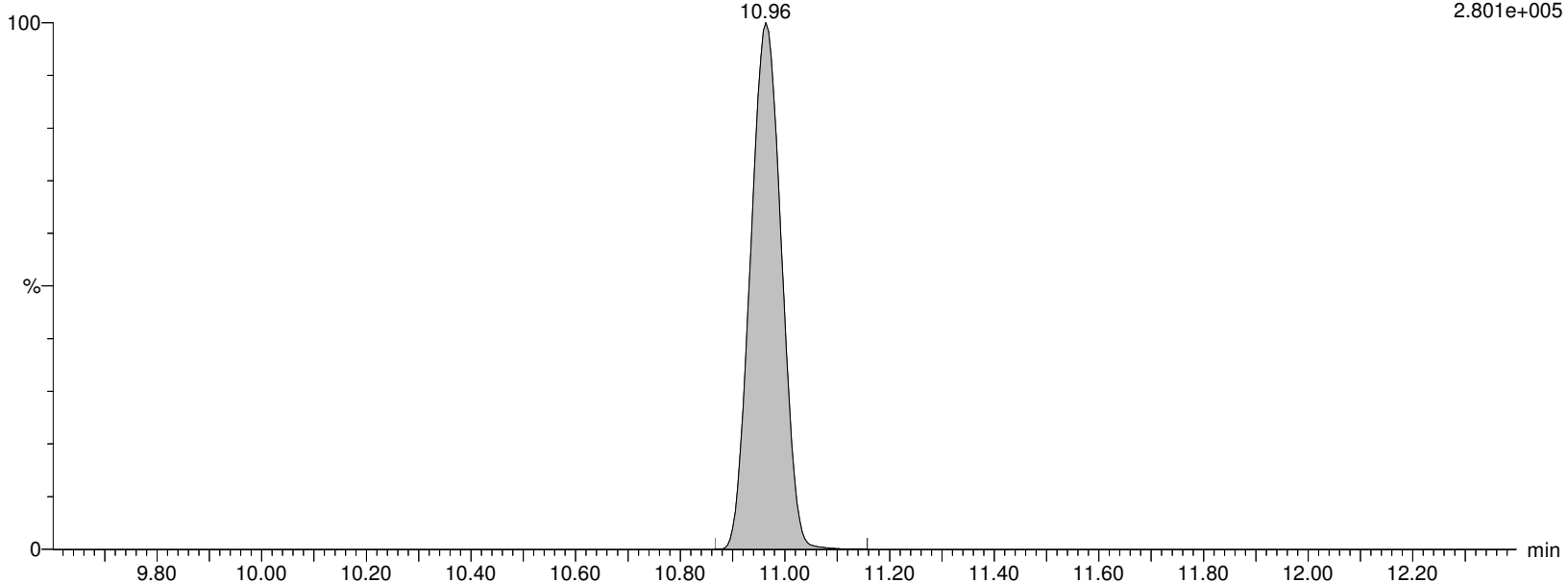
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.801e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

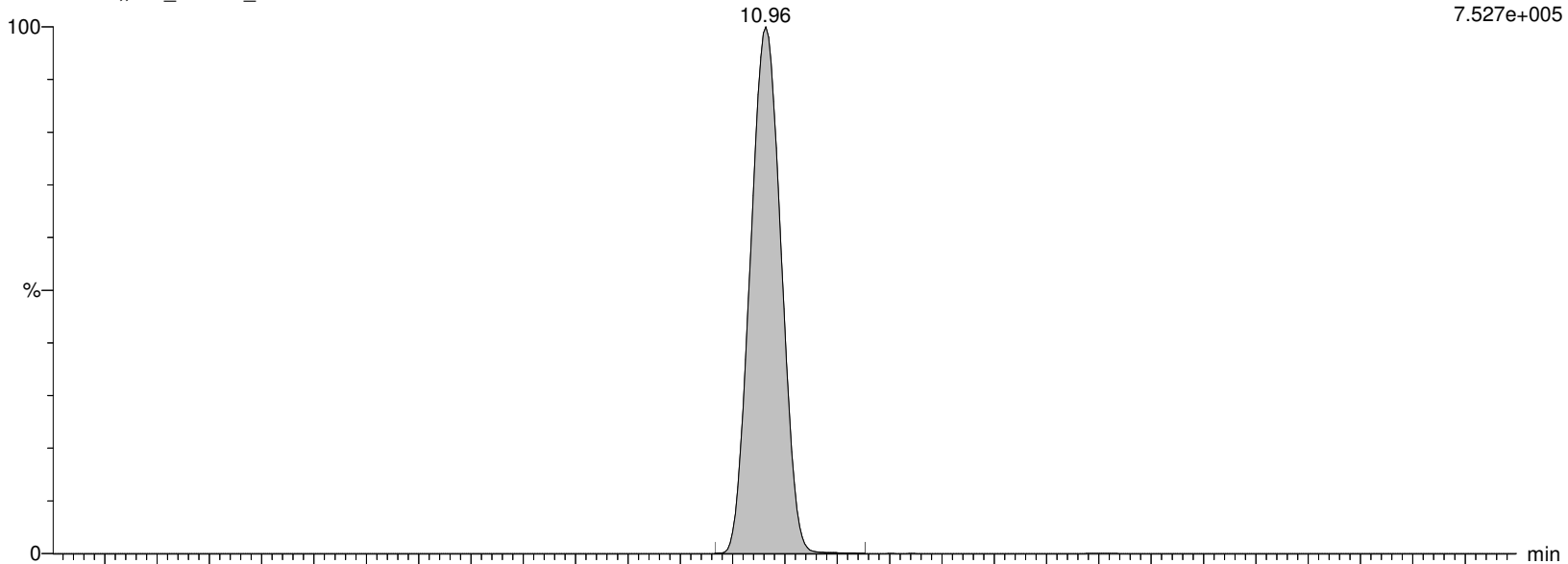
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

570.053 > 418.917

7.527e+005



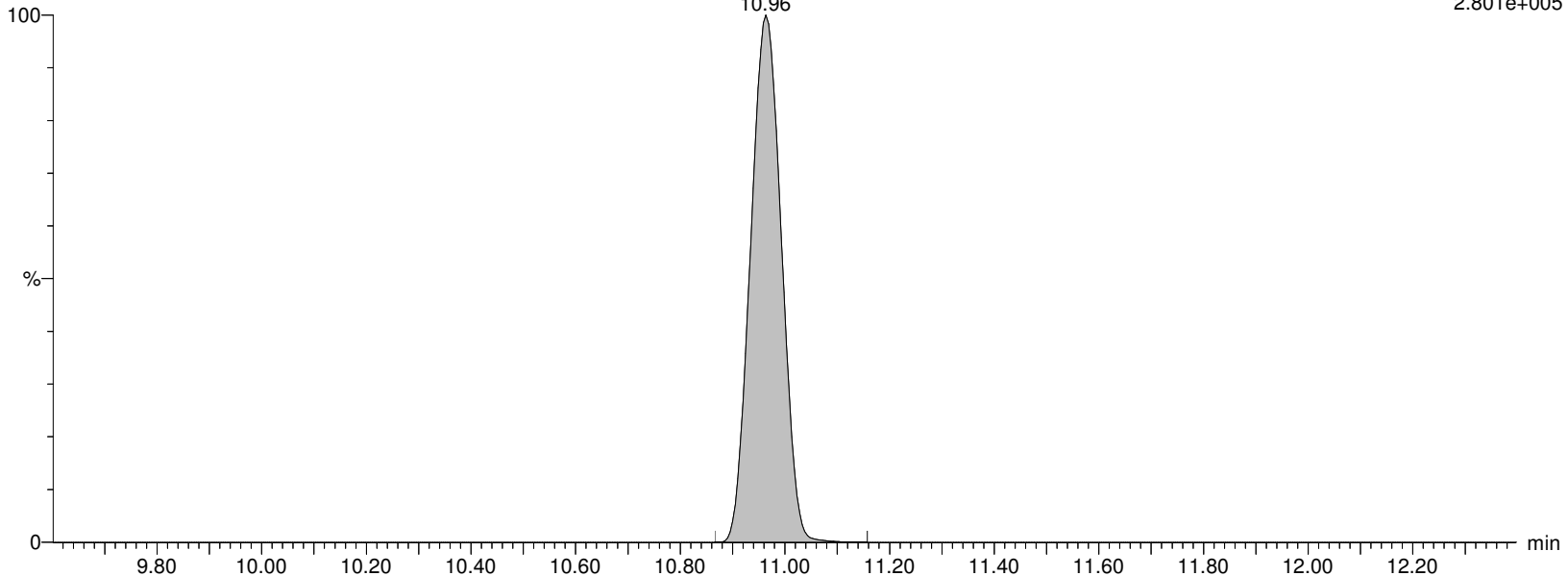
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.801e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

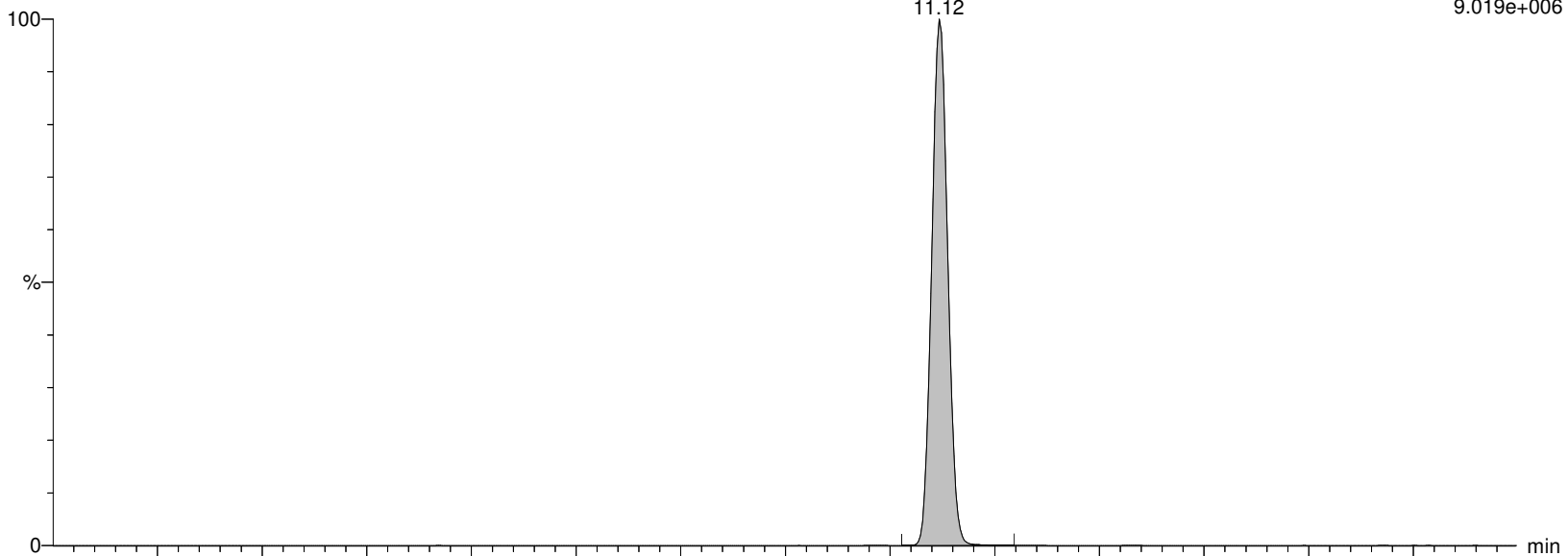
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F44:MRM of 2 channels,ES-

562.989 > 518.903

9.019e+006



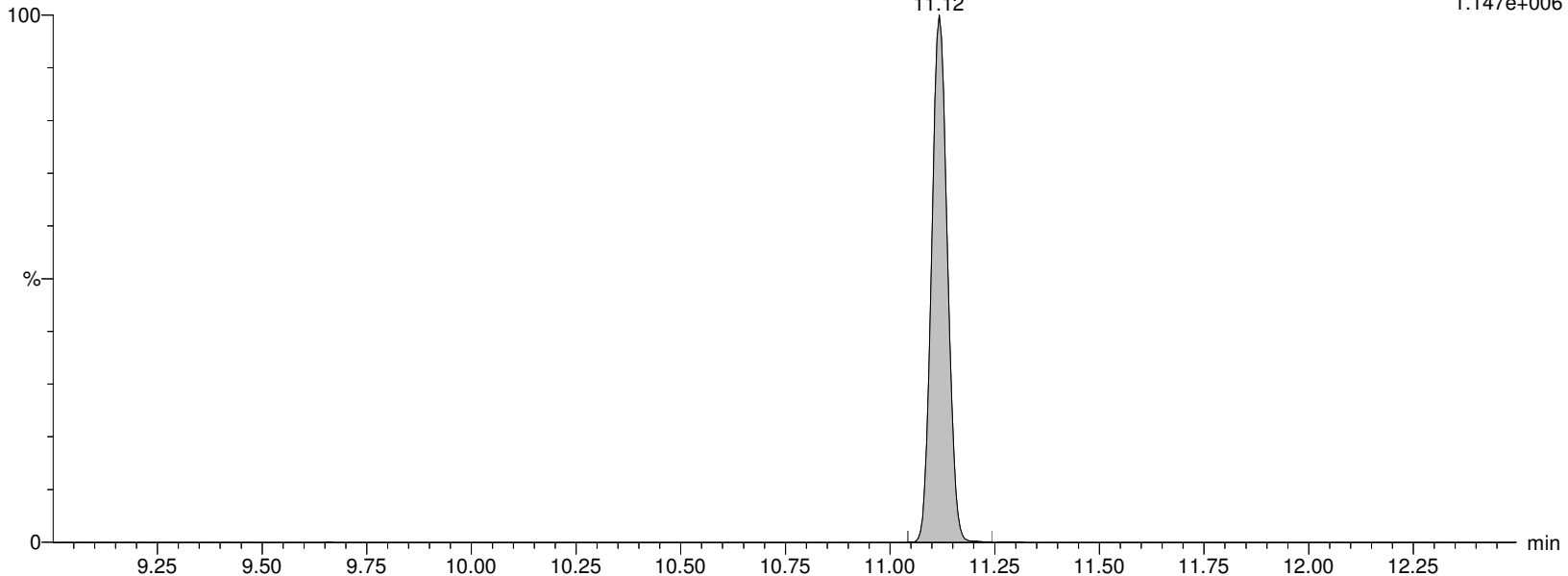
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F44:MRM of 2 channels,ES-

562.989 > 269.01

1.147e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

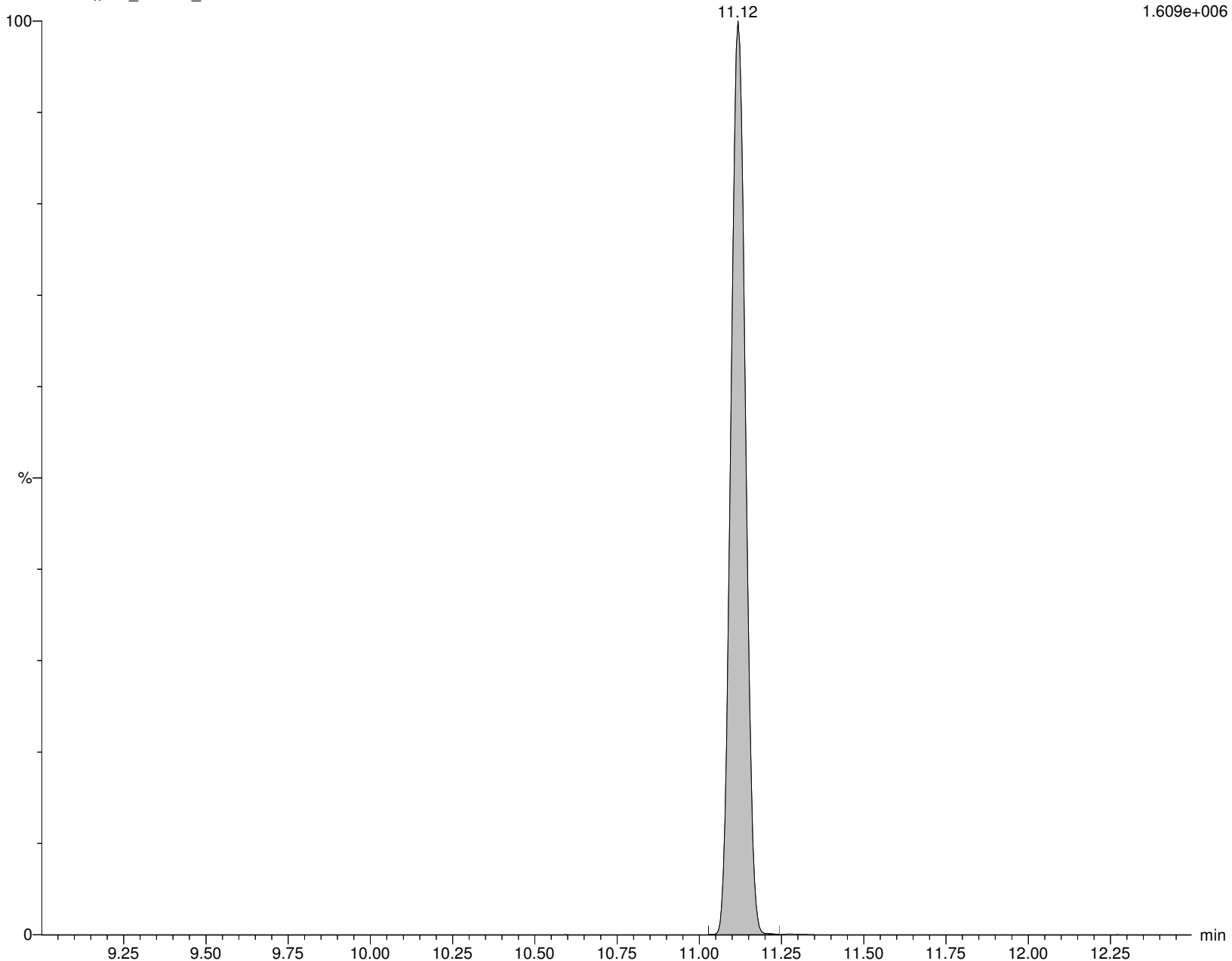
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.609e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

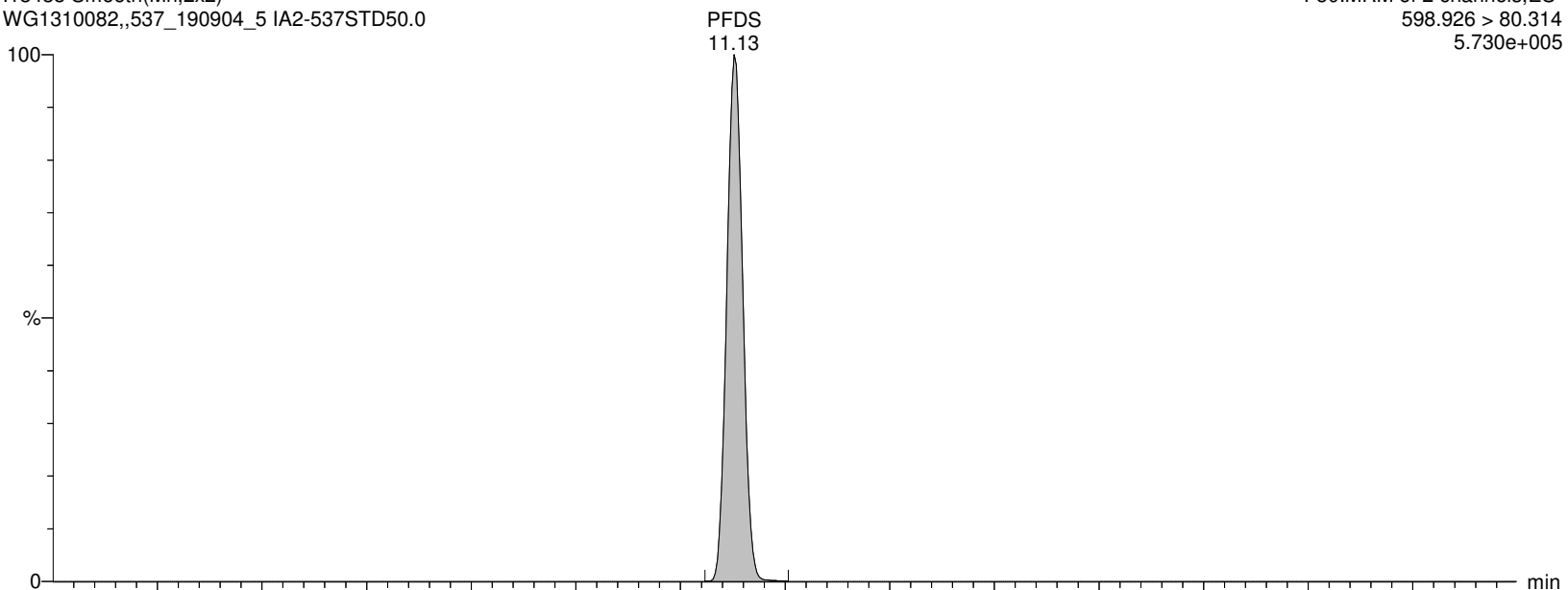
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F50:MRM of 2 channels,ES-

598.926 > 80.314

5.730e+005



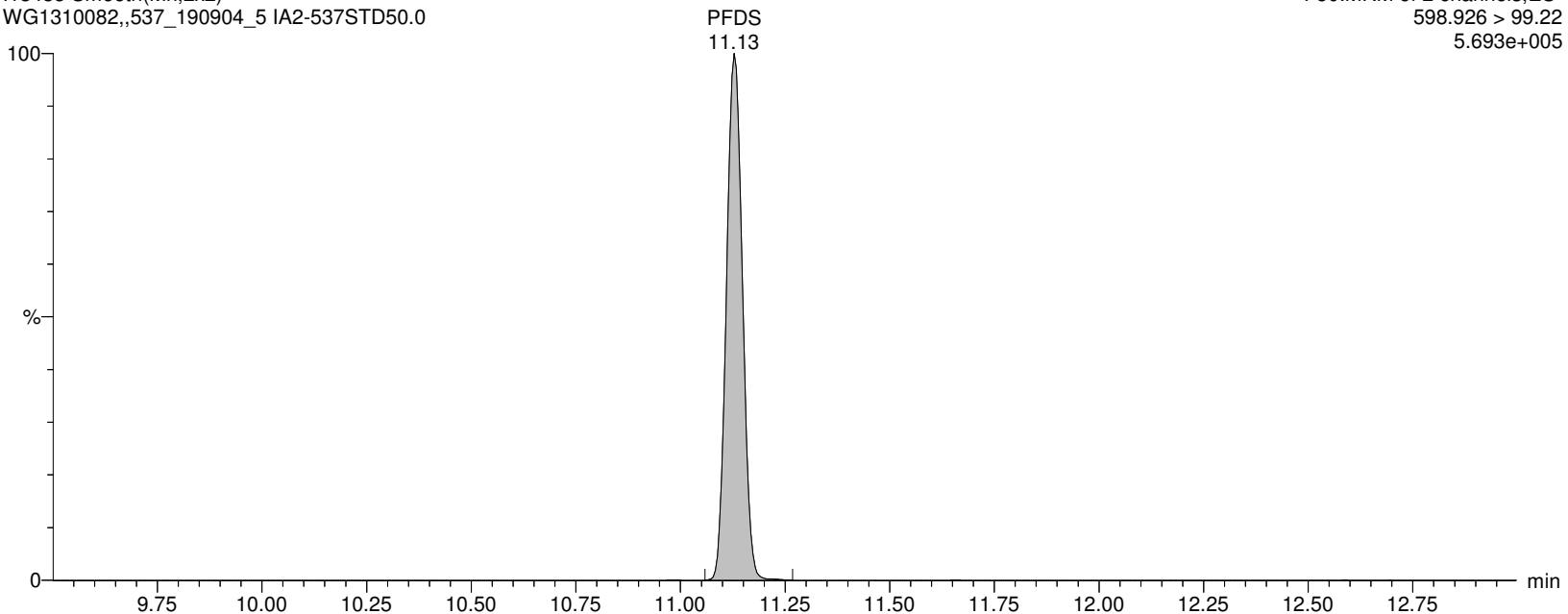
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F50:MRM of 2 channels,ES-

598.926 > 99.22

5.693e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

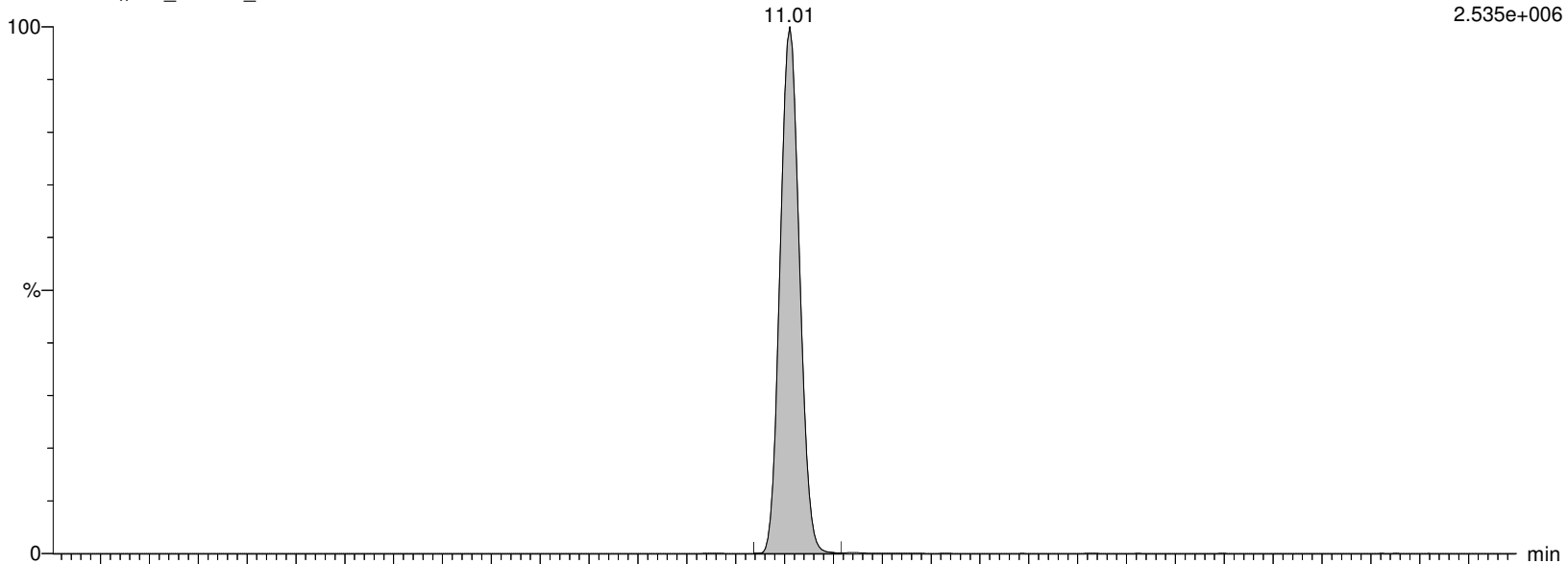
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F28:MRM of 2 channels,ES-

497.989 > 78.245

2.535e+006



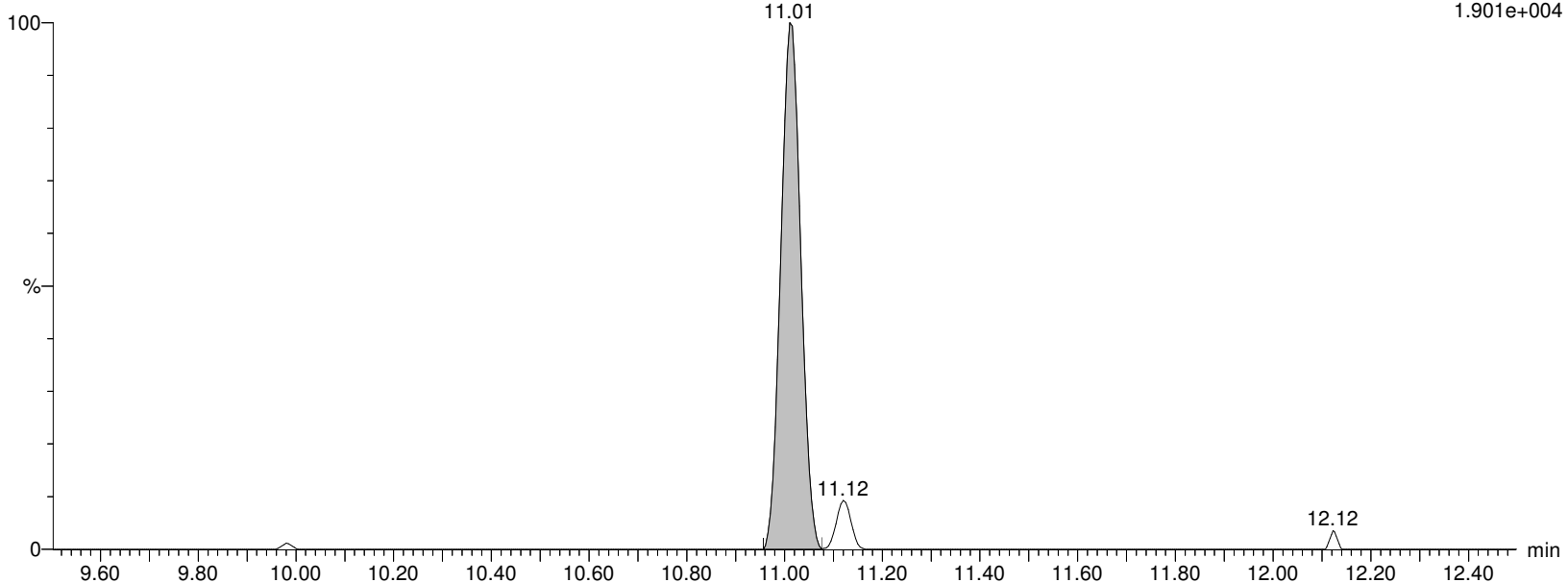
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F28:MRM of 2 channels,ES-

497.989 > 168.854

1.901e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

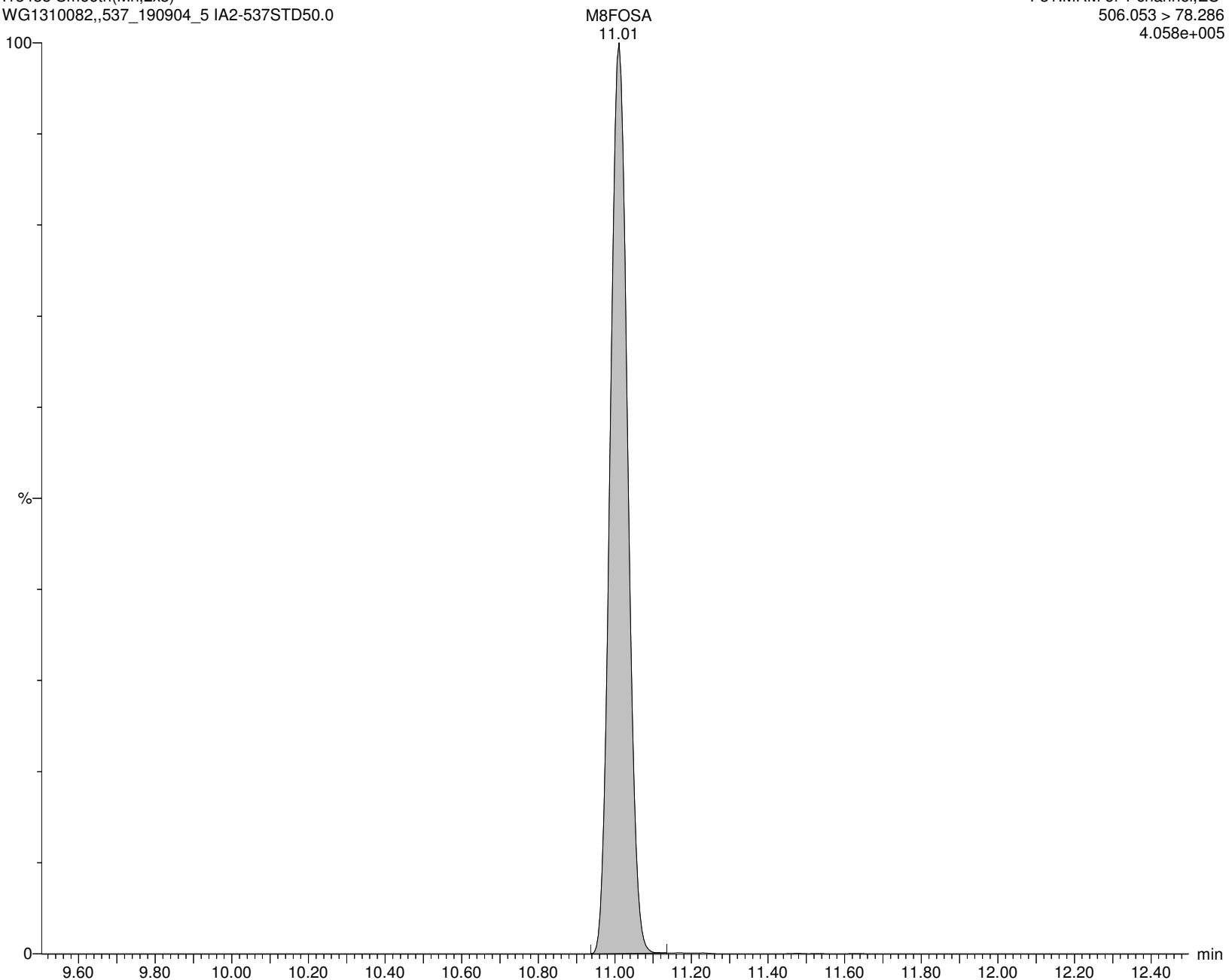
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.058e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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d5-NEtFOSAA

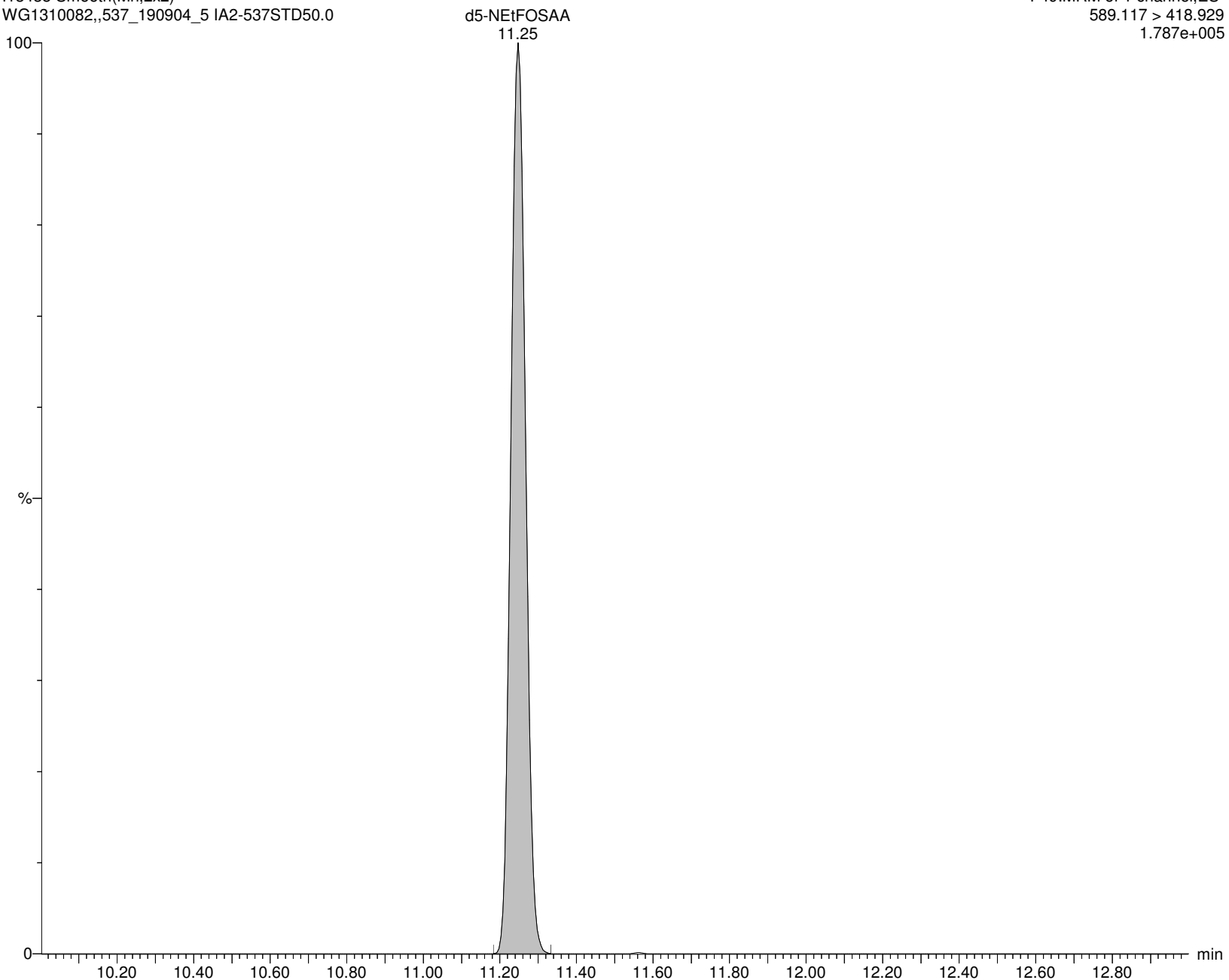
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F49:MRM of 1 channel,ES-

589.117 > 418.929

1.787e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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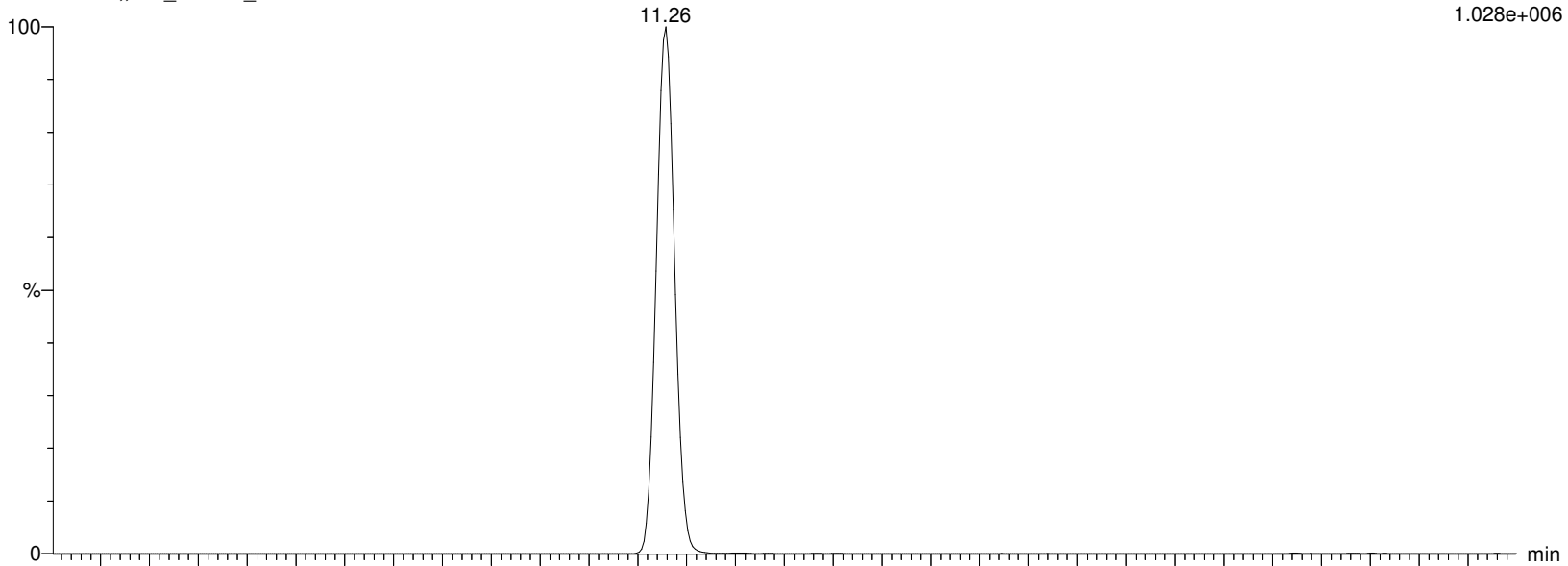
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.028e+006



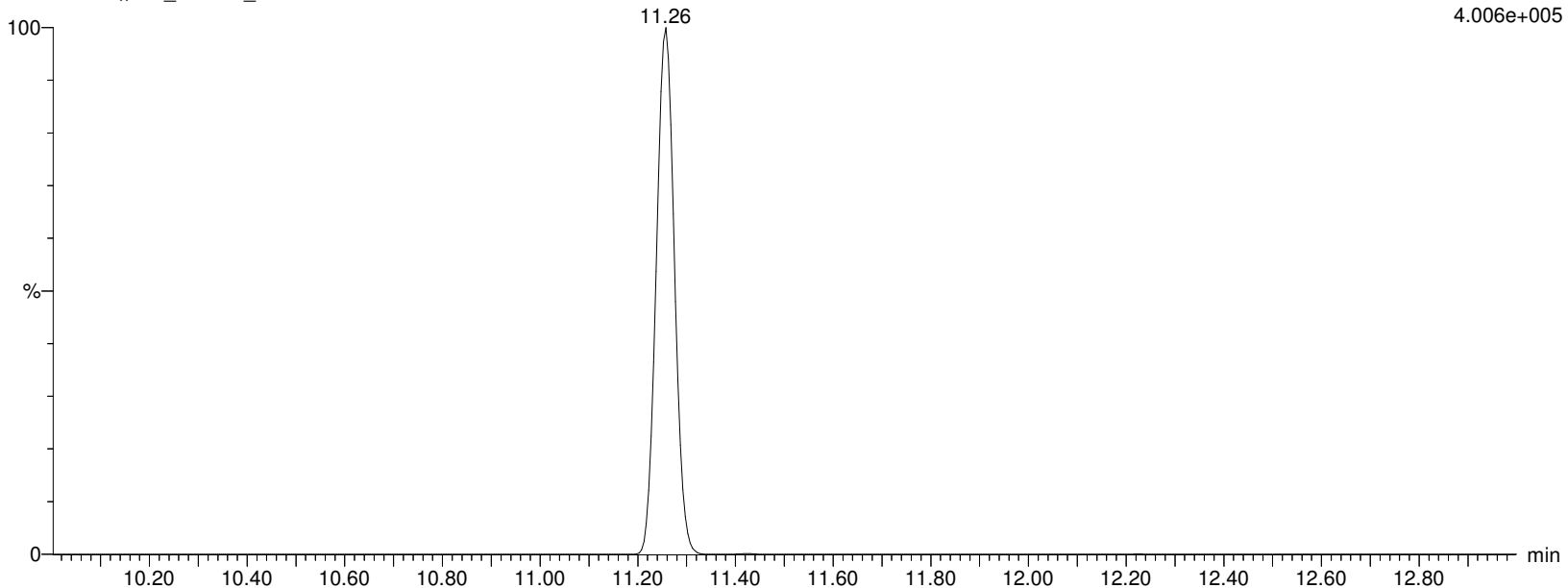
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.006e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

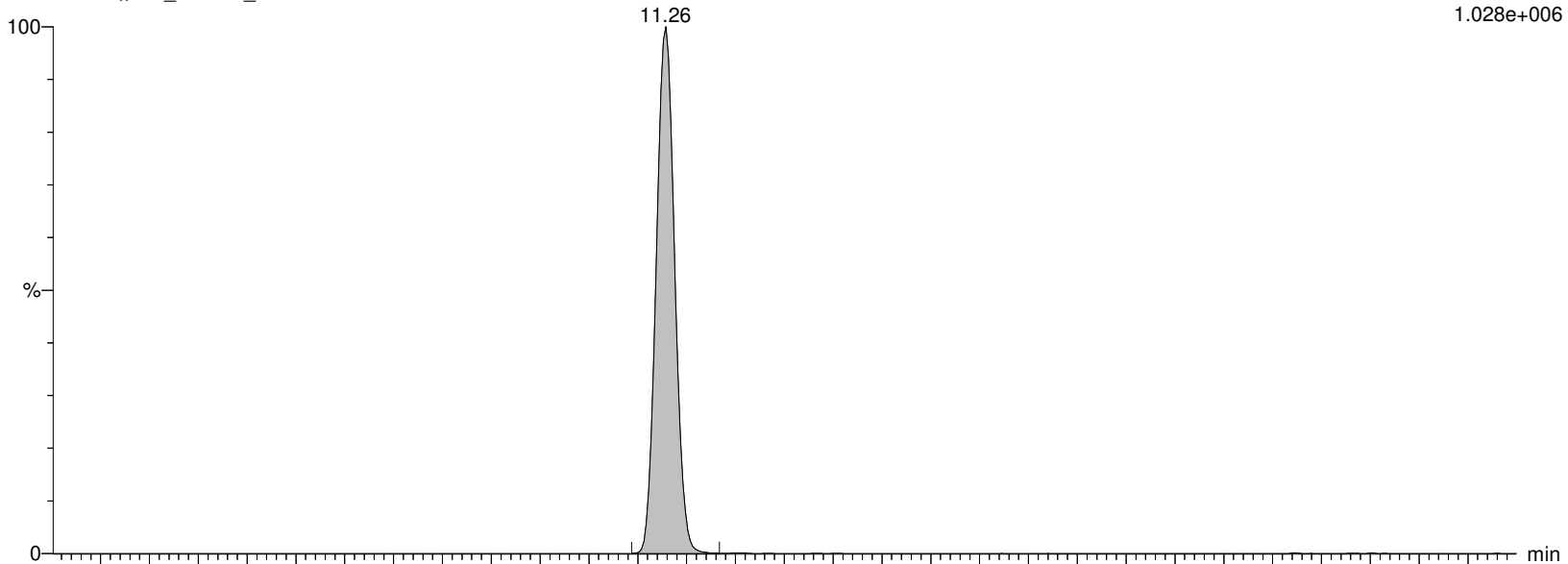
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.028e+006



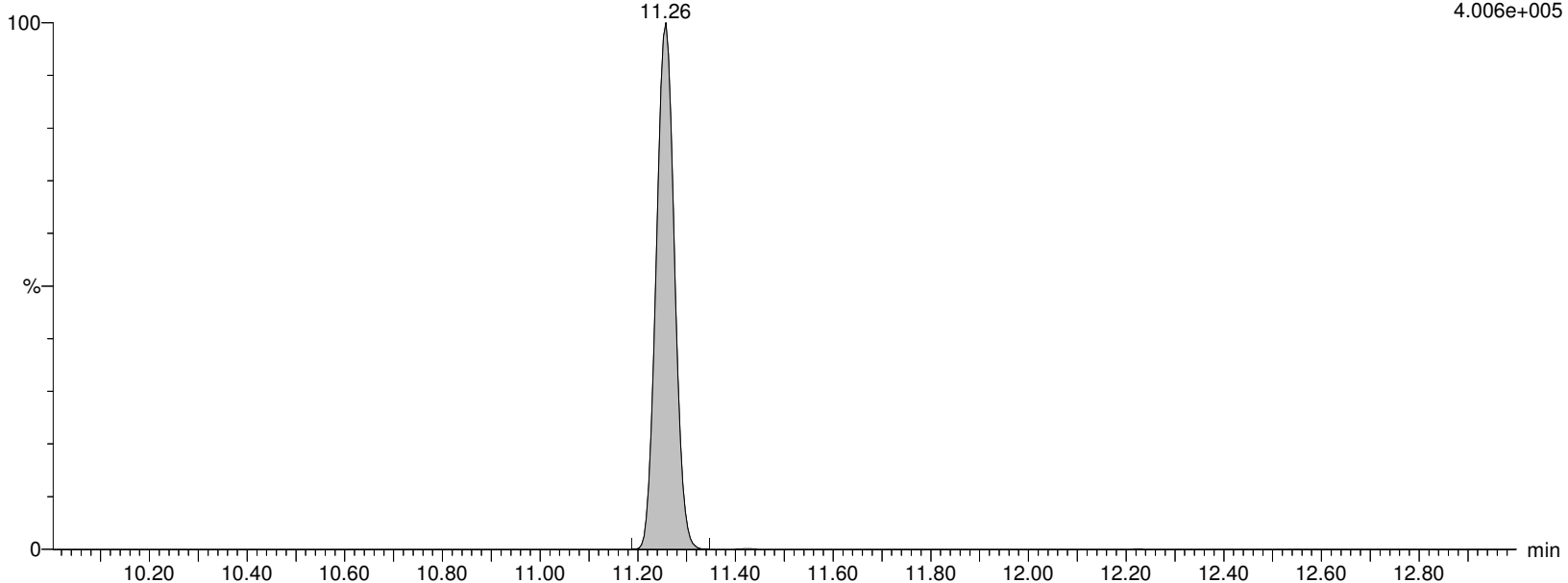
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.006e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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NetFOSAA

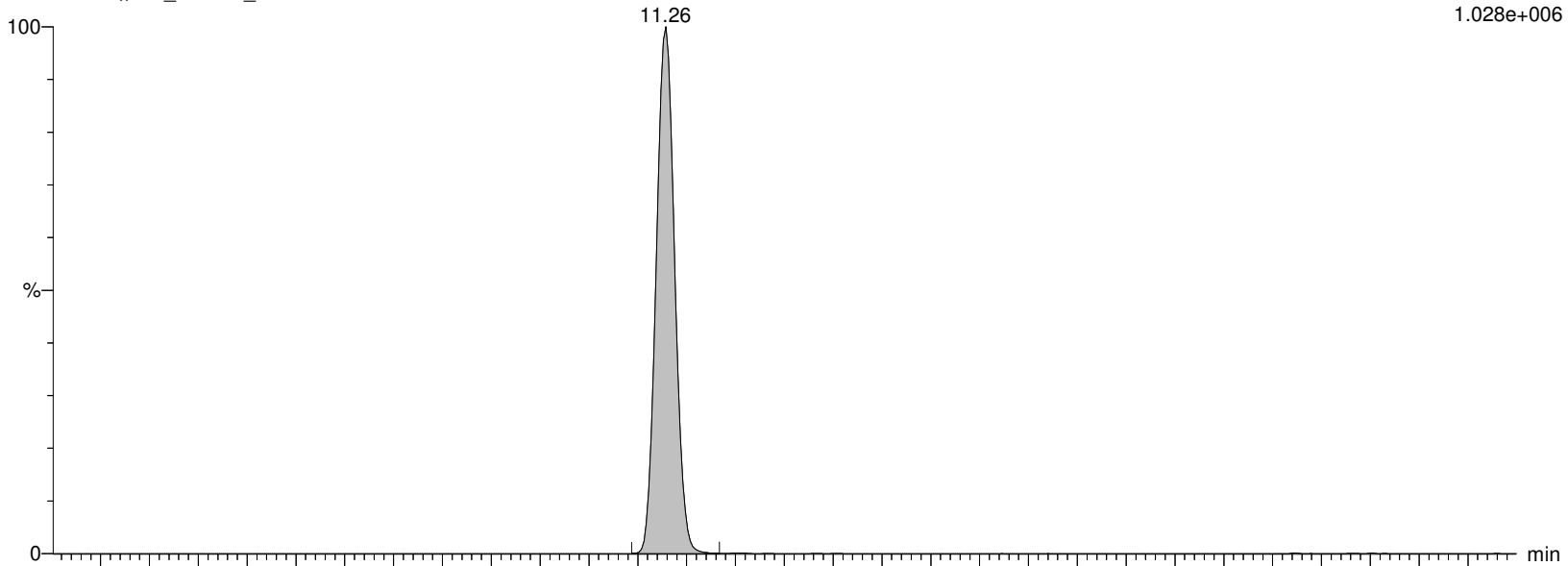
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 418.927

1.028e+006



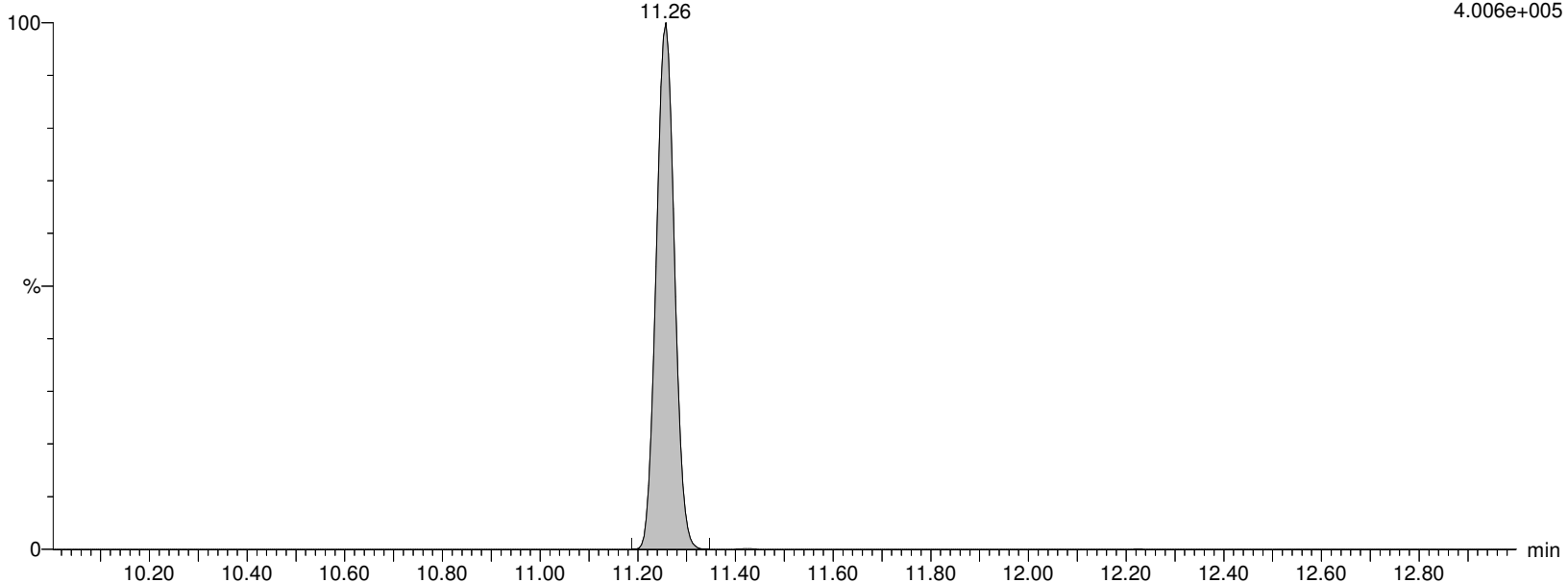
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F48:MRM of 2 channels,ES-

583.989 > 482.88

4.006e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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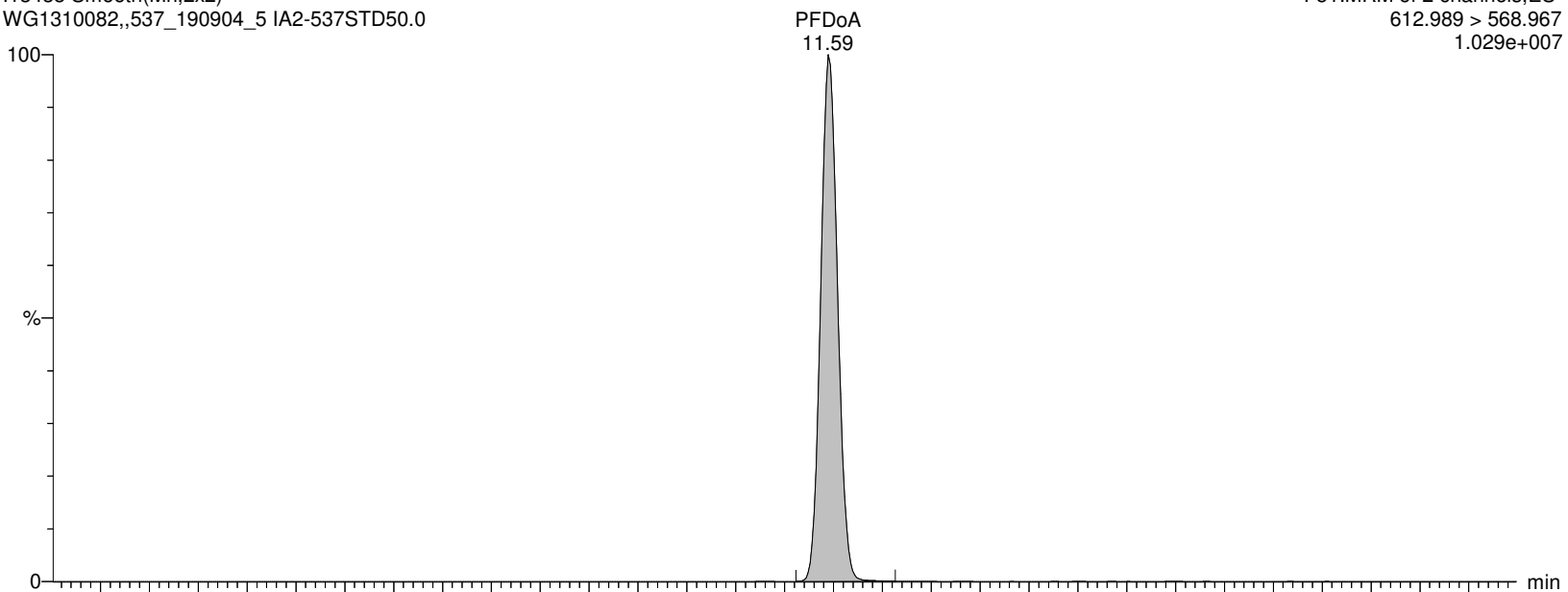
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F51:MRM of 2 channels,ES-

612.989 > 568.967

1.029e+007



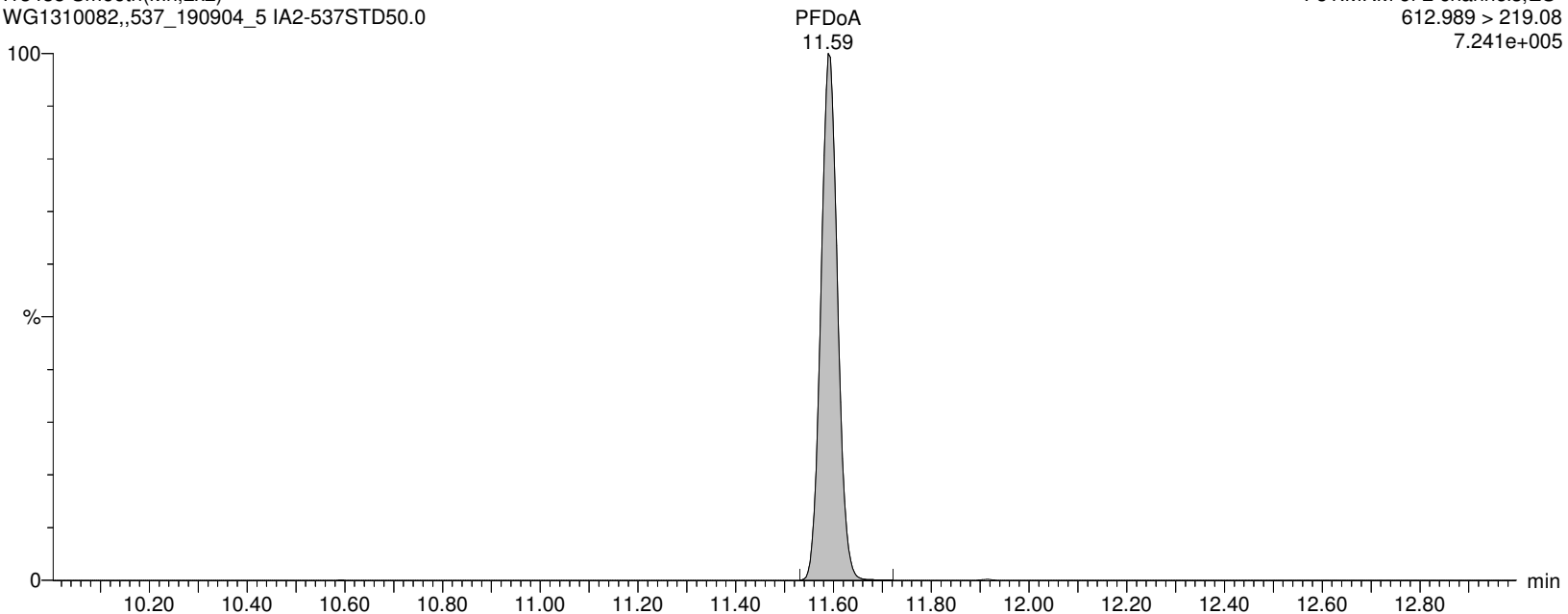
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F51:MRM of 2 channels,ES-

612.989 > 219.08

7.241e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

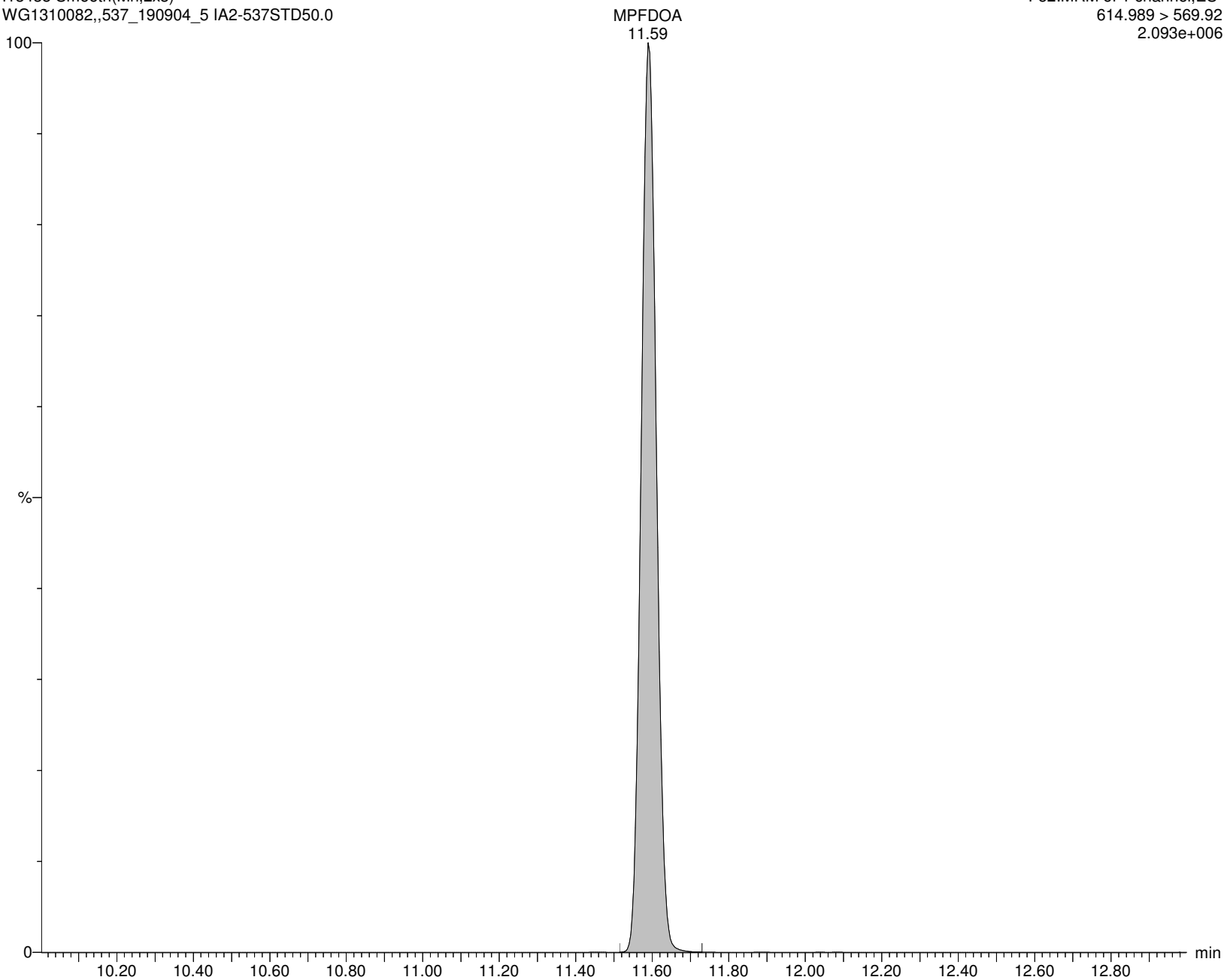
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.093e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

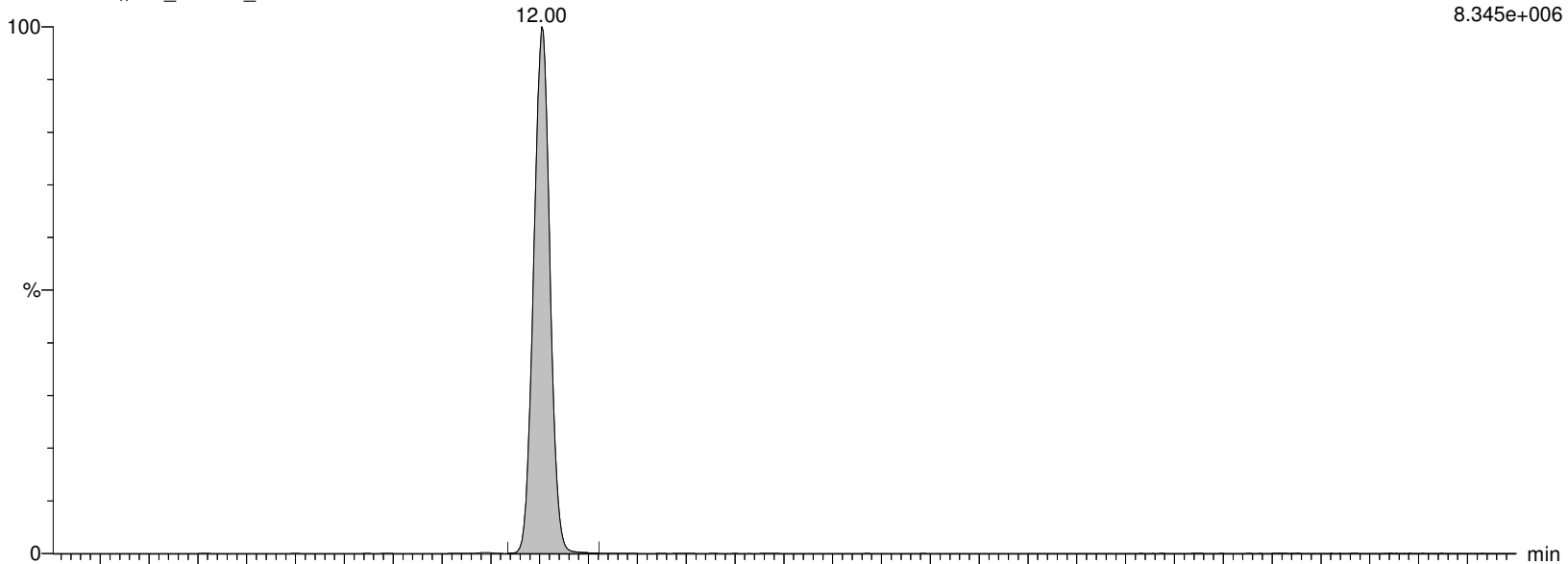
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F59:MRM of 2 channels,ES-

663.053 > 618.969

8.345e+006



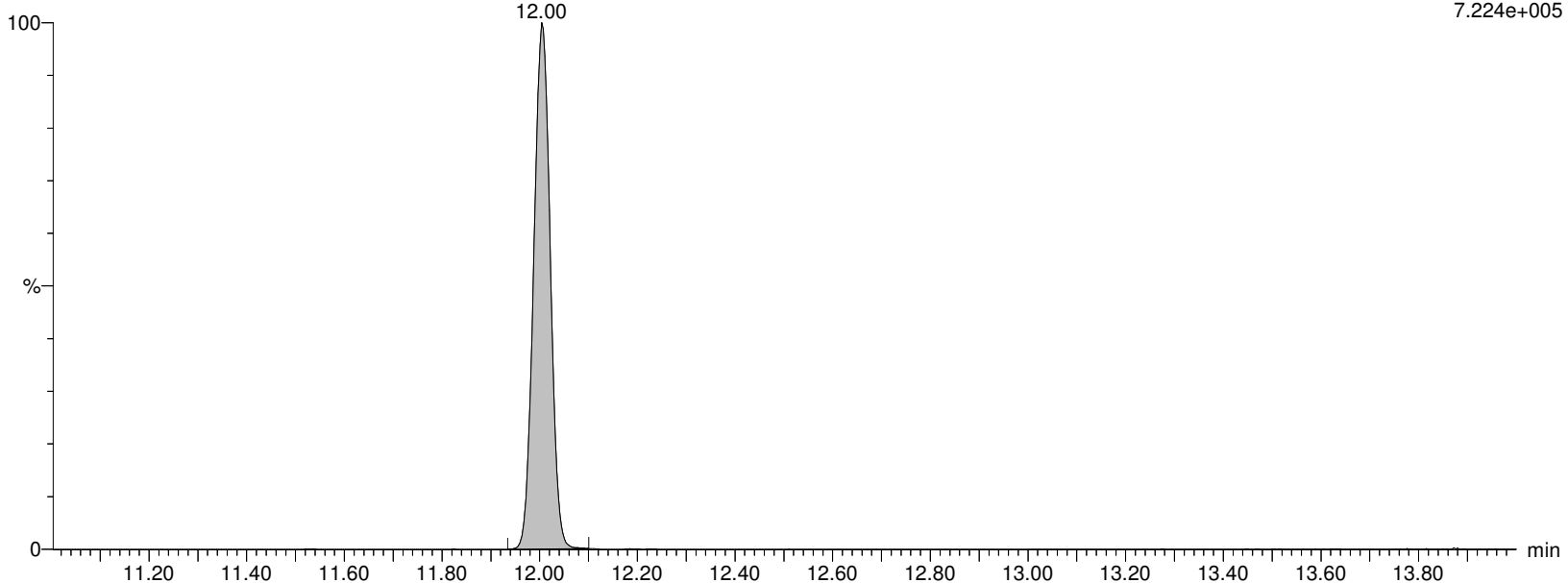
I13438 Smooth(Mn,2x2)

WG1310082,,537_190904_5 IA2-537STD50.0

F59:MRM of 2 channels,ES-

663.053 > 319.02

7.224e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

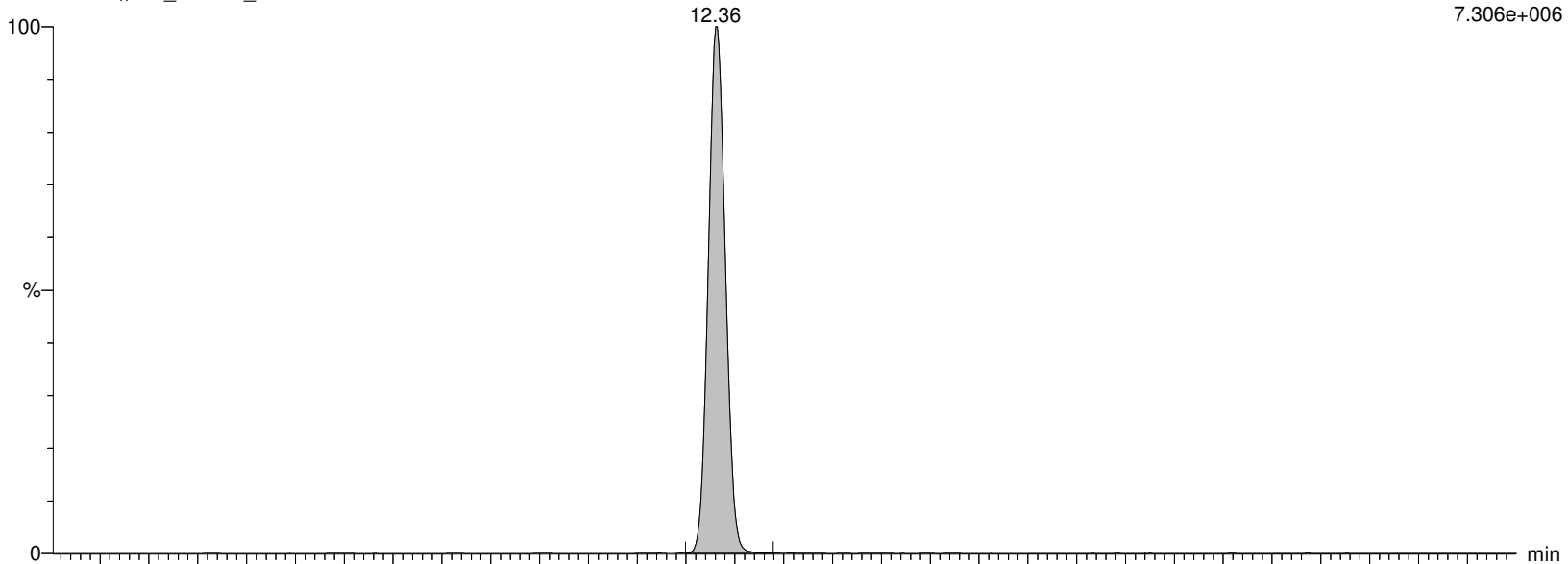
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F61:MRM of 2 channels,ES-

713.053 > 668.976

7.306e+006



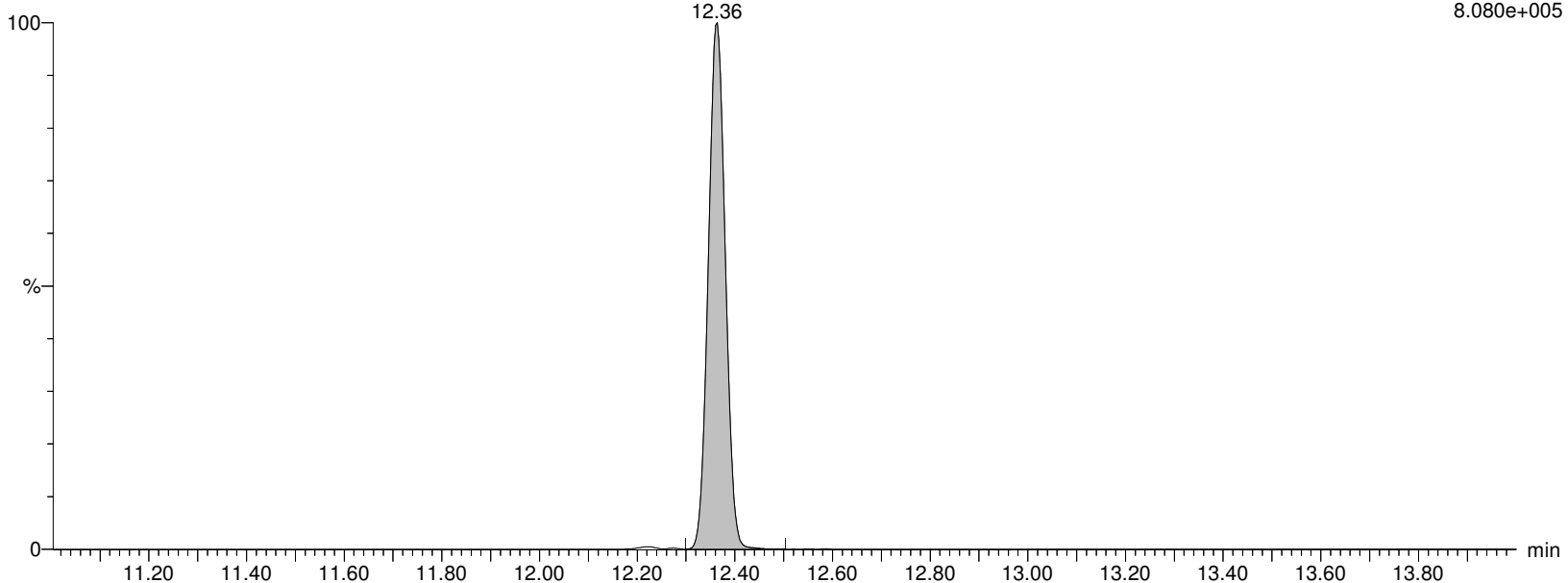
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F61:MRM of 2 channels,ES-

713.053 > 219.09

8.080e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

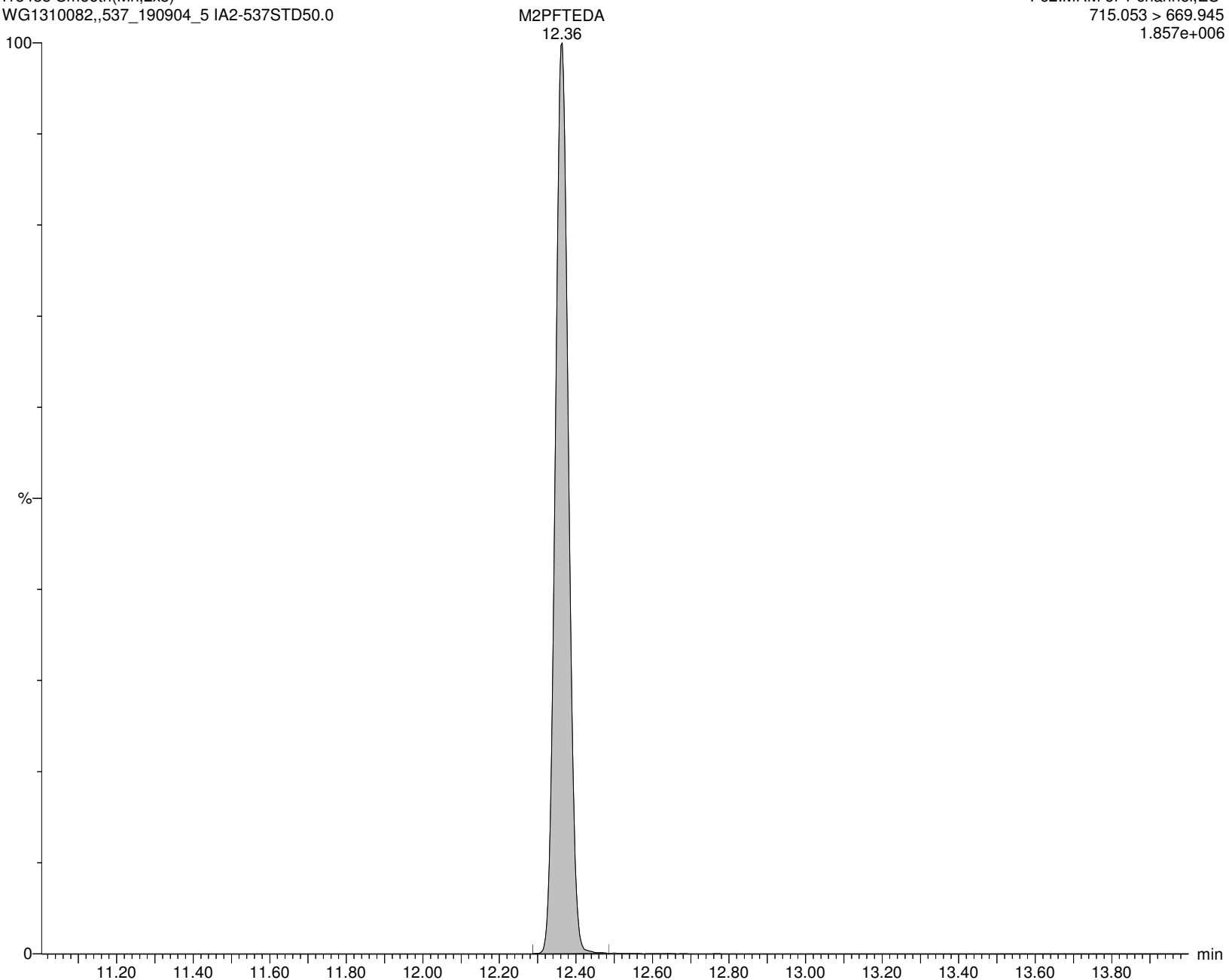
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.857e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

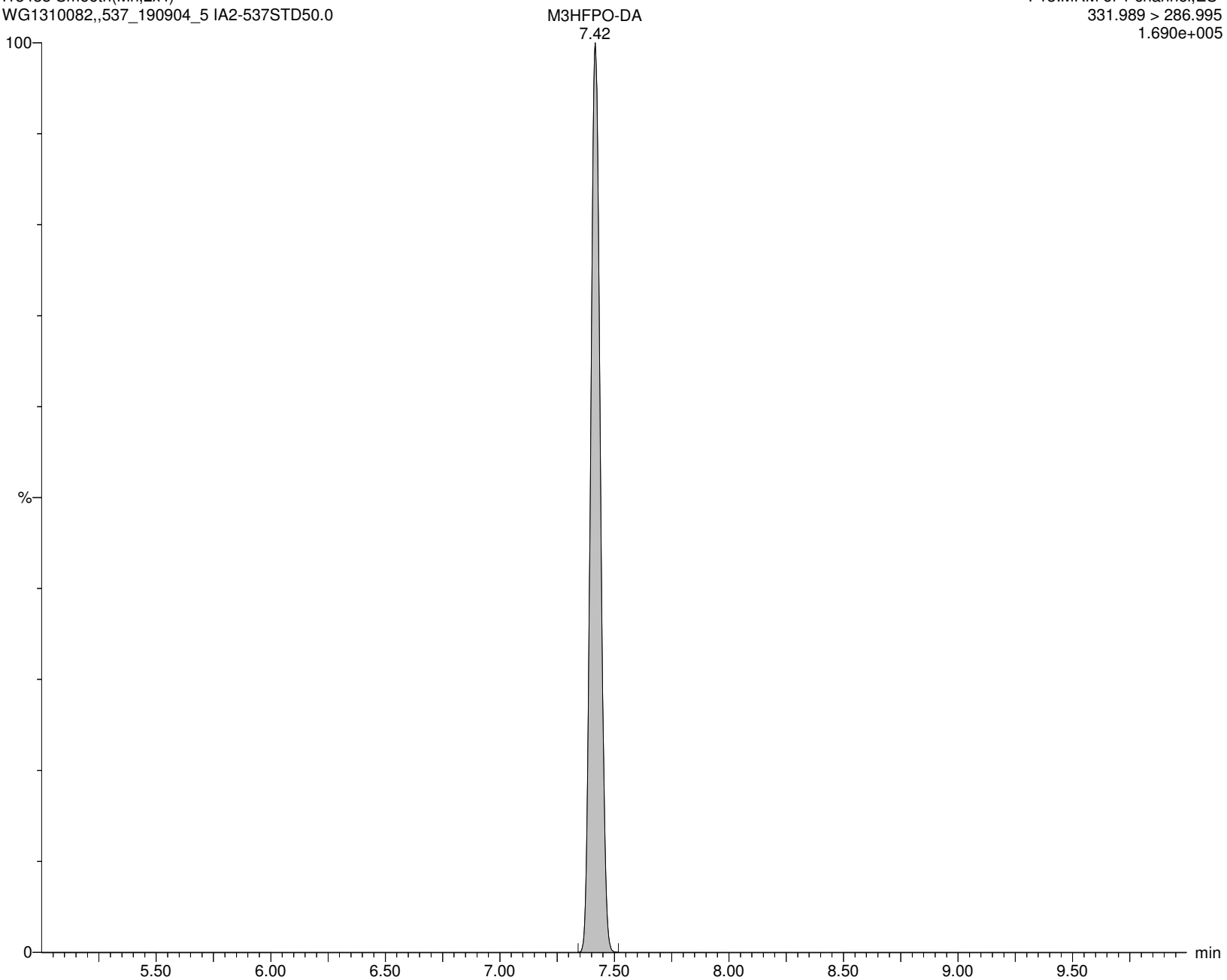
I13438 Smooth(Mn,2x4)

WG1310082,,537_190904_5 IA2-537STD50.0

F13:MRM of 1 channel,ES-

331.989 > 286.995

1.690e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

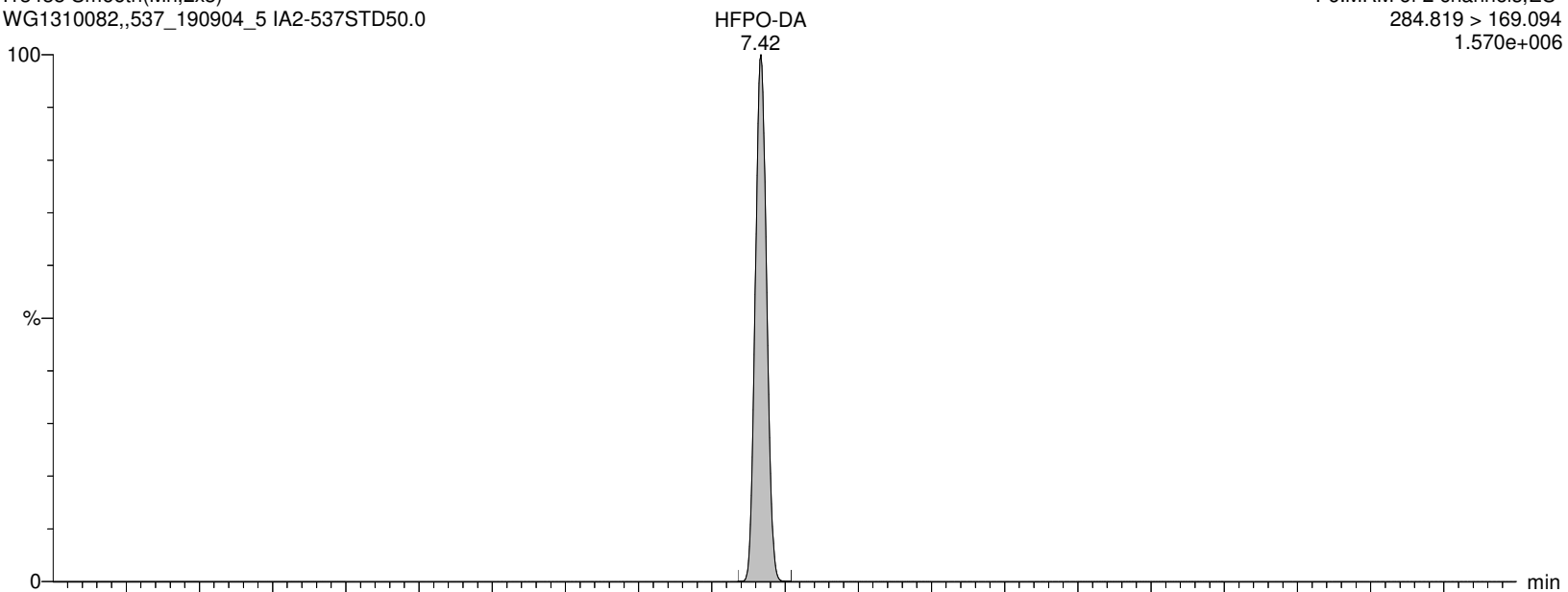
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F6:MRM of 2 channels,ES-

284.819 > 169.094

1.570e+006



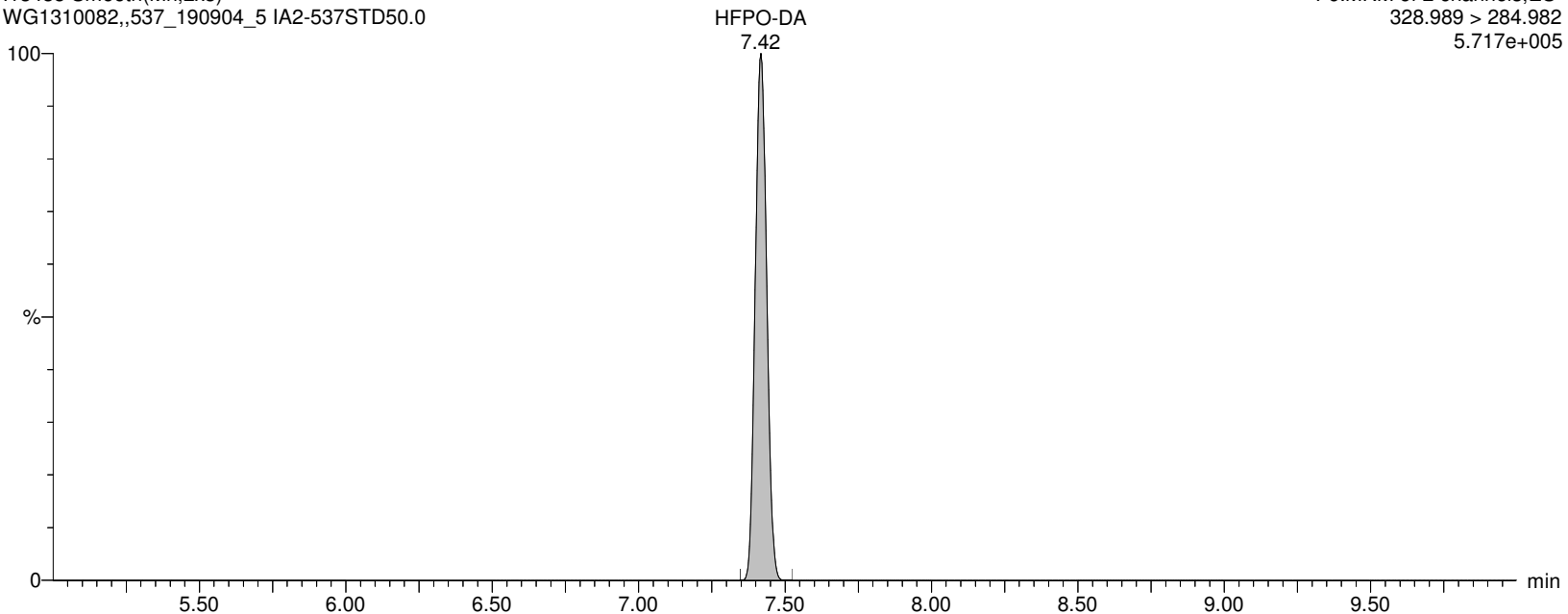
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F6:MRM of 2 channels,ES-

328.989 > 284.982

5.717e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

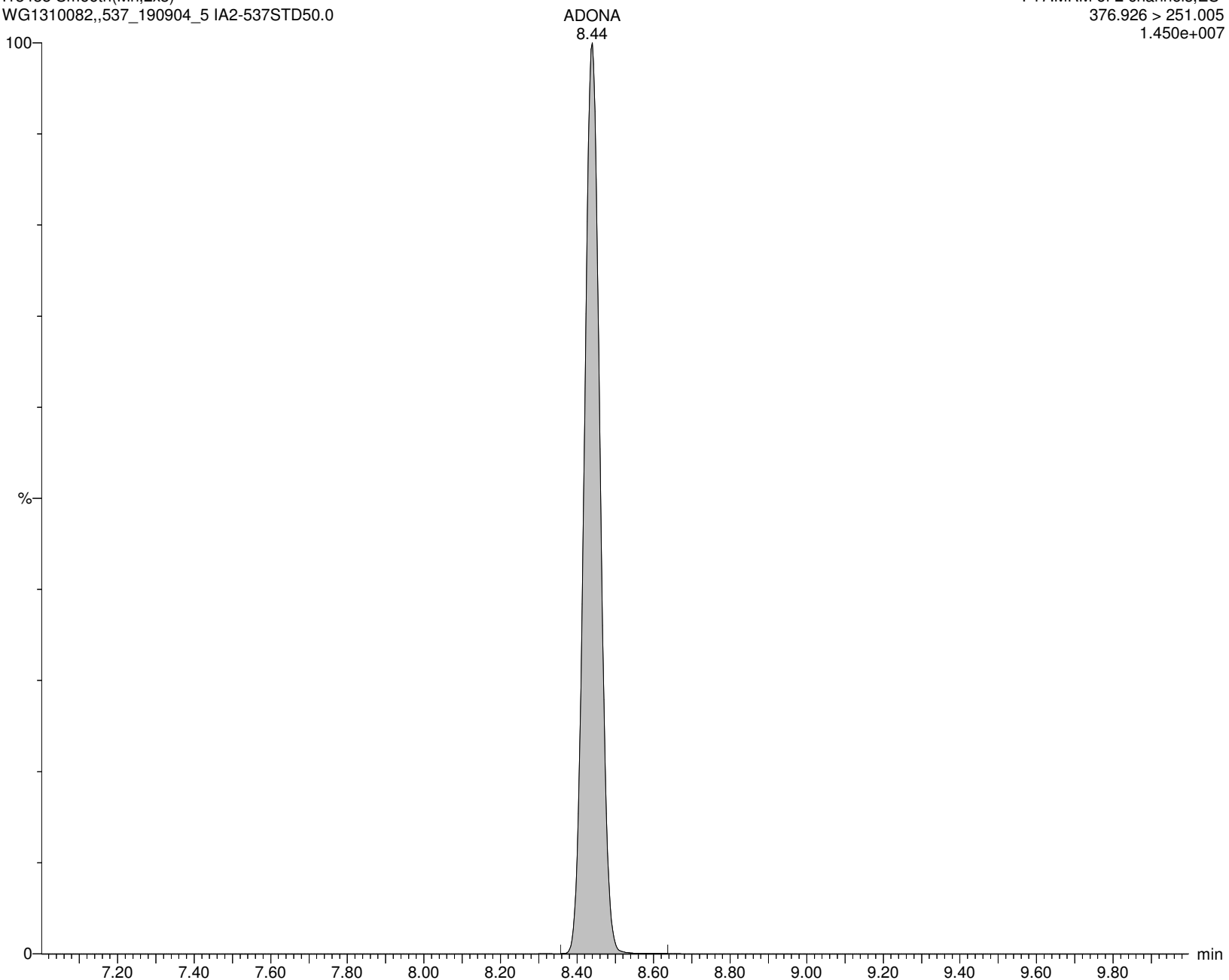
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F17:MRM of 2 channels,ES-

376.926 > 251.005

1.450e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

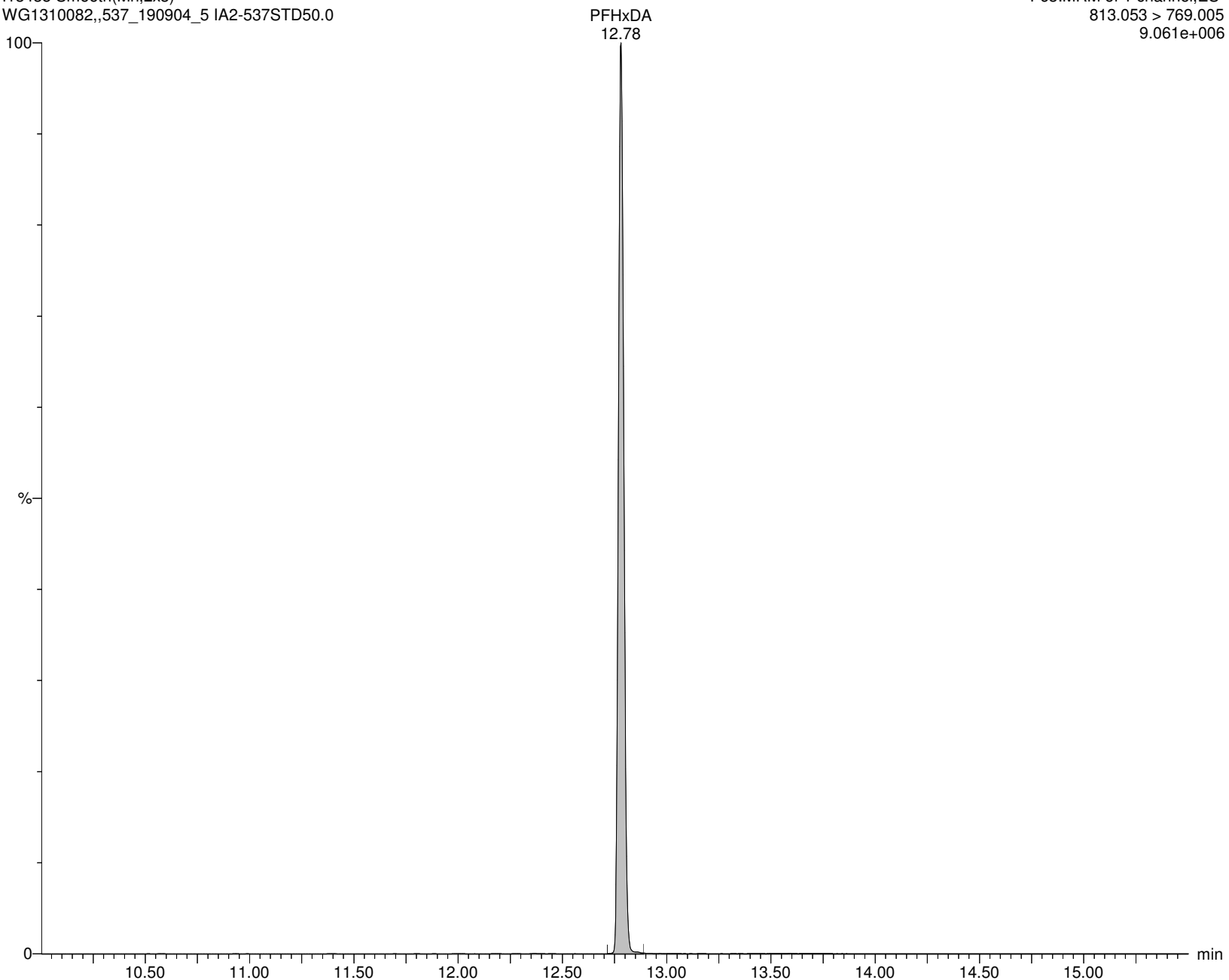
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F63:MRM of 1 channel,ES-

813.053 > 769.005

9.061e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

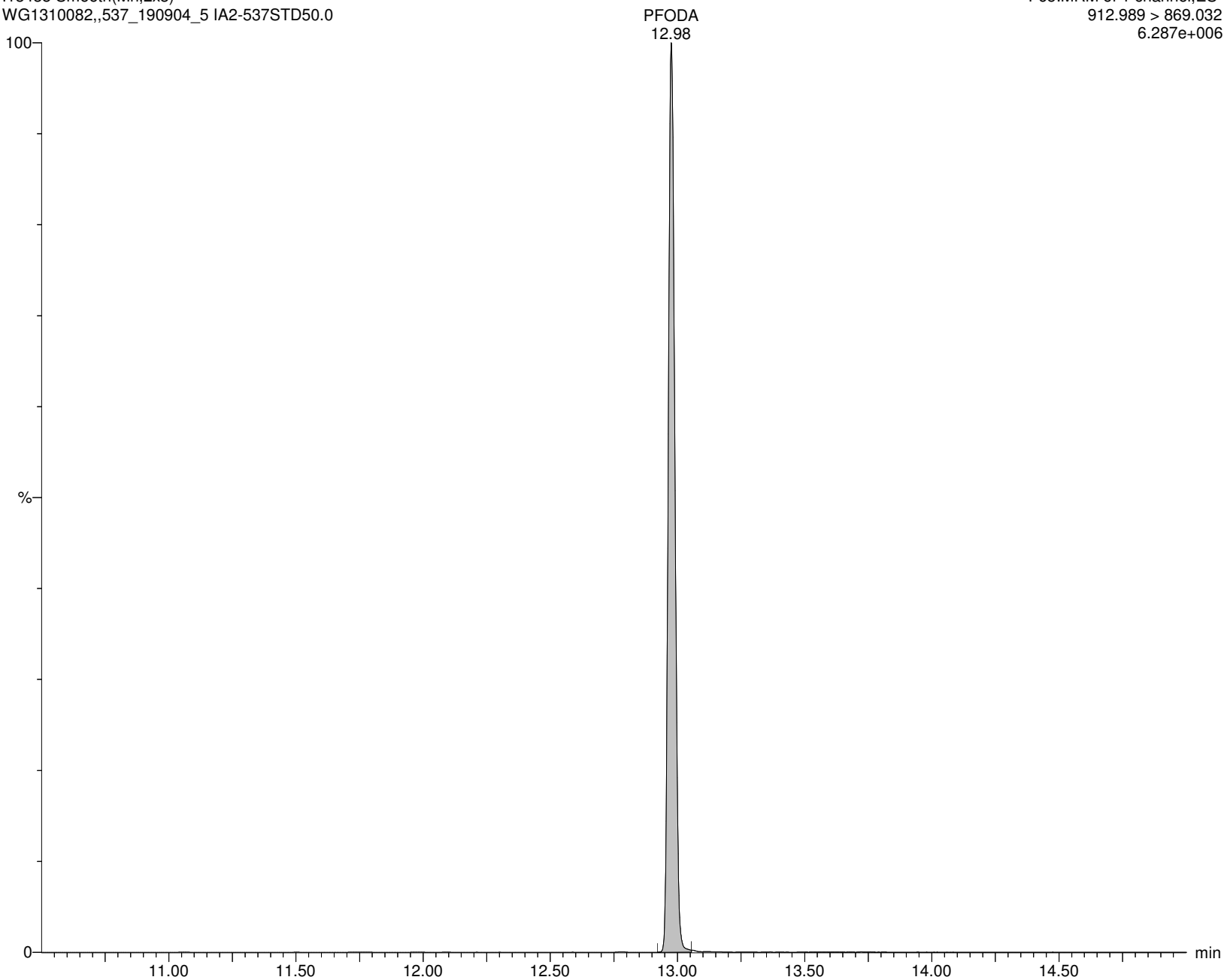
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F65:MRM of 1 channel,ES-

912.989 > 869.032

6.287e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

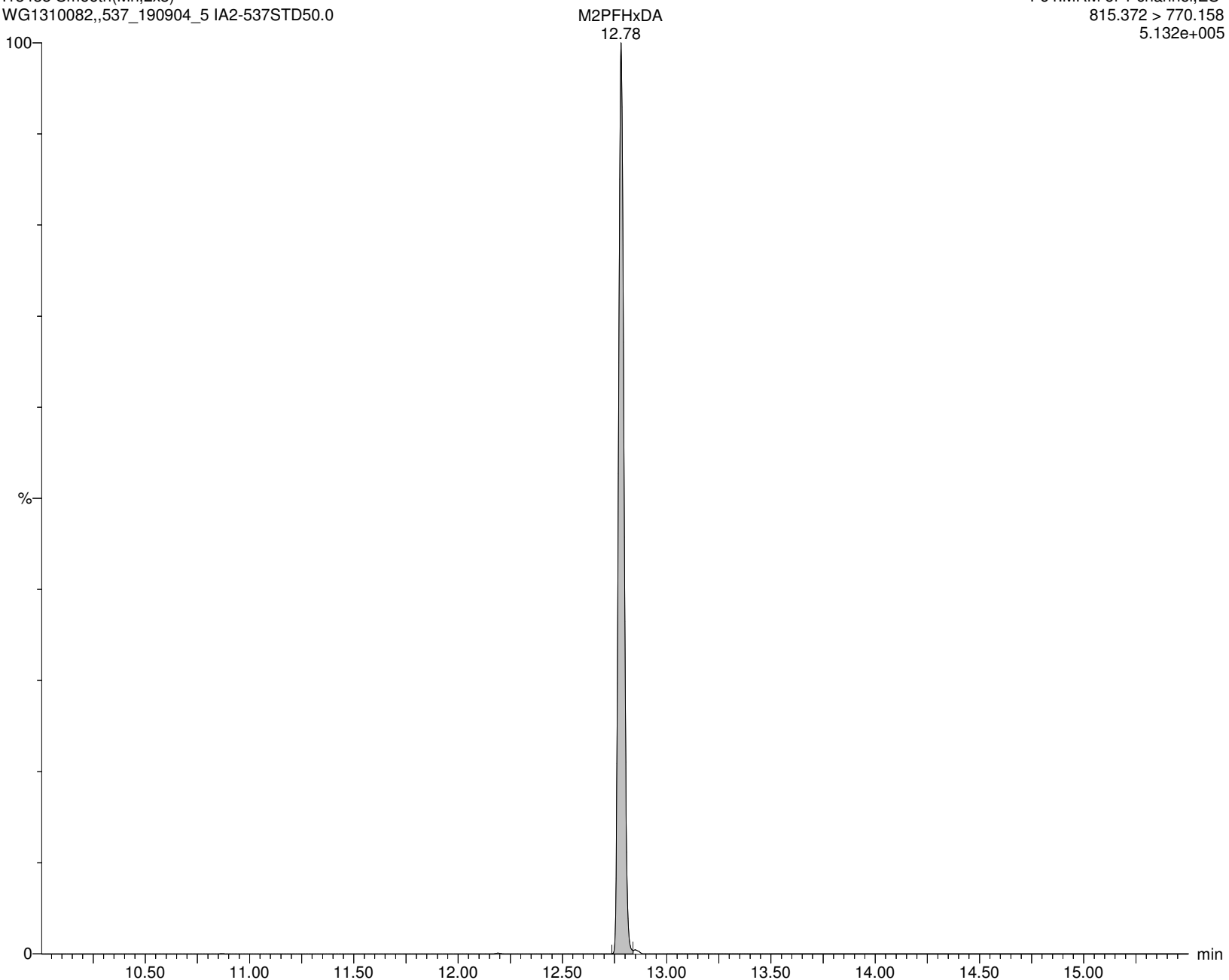
I13438 Smooth(Mn,2x3)

WG1310082,,537_190904_5 IA2-537STD50.0

F64:MRM of 1 channel,ES-

815.372 > 770.158

5.132e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13438 Smooth(Mn,2x5)

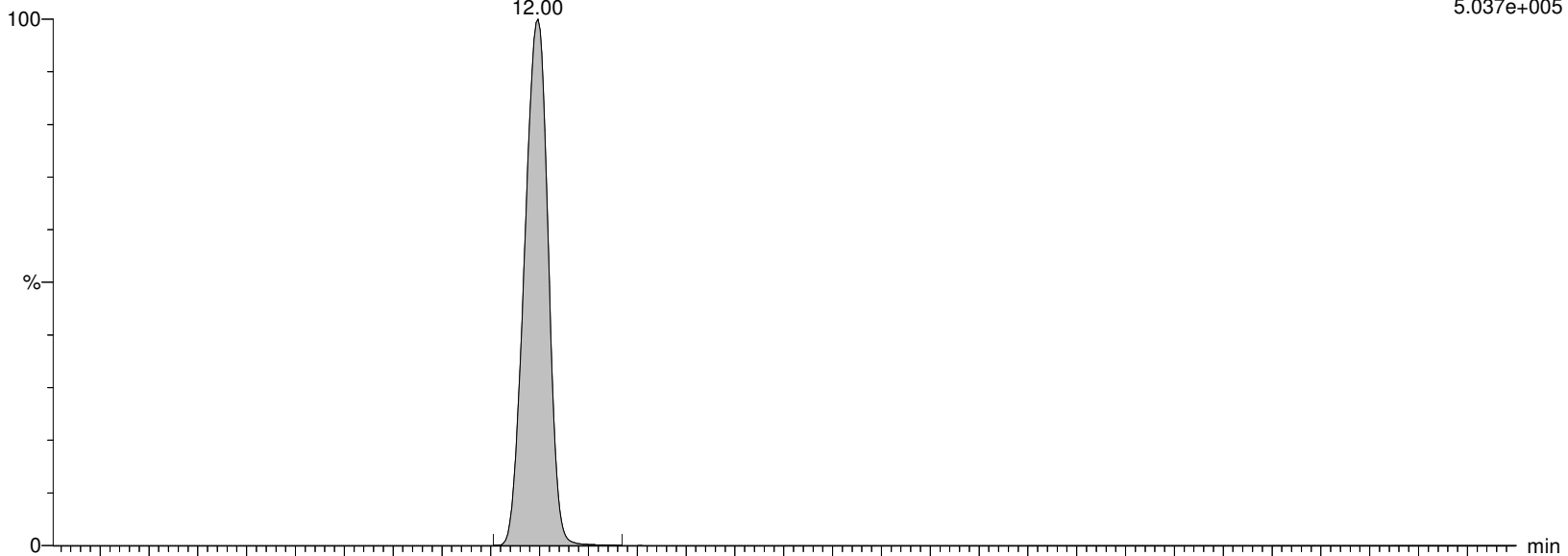
WG1310082,,537_190904_5 IA2-537STD50.0

PFDoS
12.00

F60:MRM of 2 channels,ES-

698.649 > 79.853

5.037e+005



I13438 Smooth(Mn,2x5)

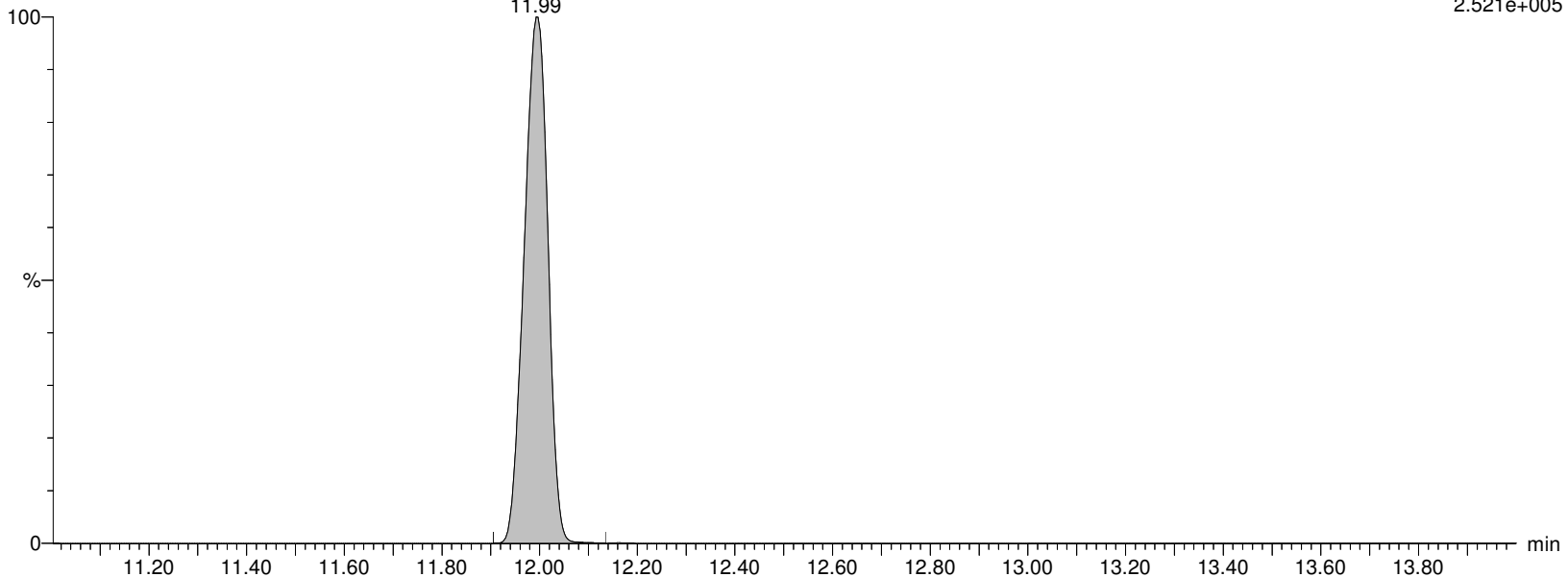
WG1310082,,537_190904_5 IA2-537STD50.0

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

2.521e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

10:2FTS

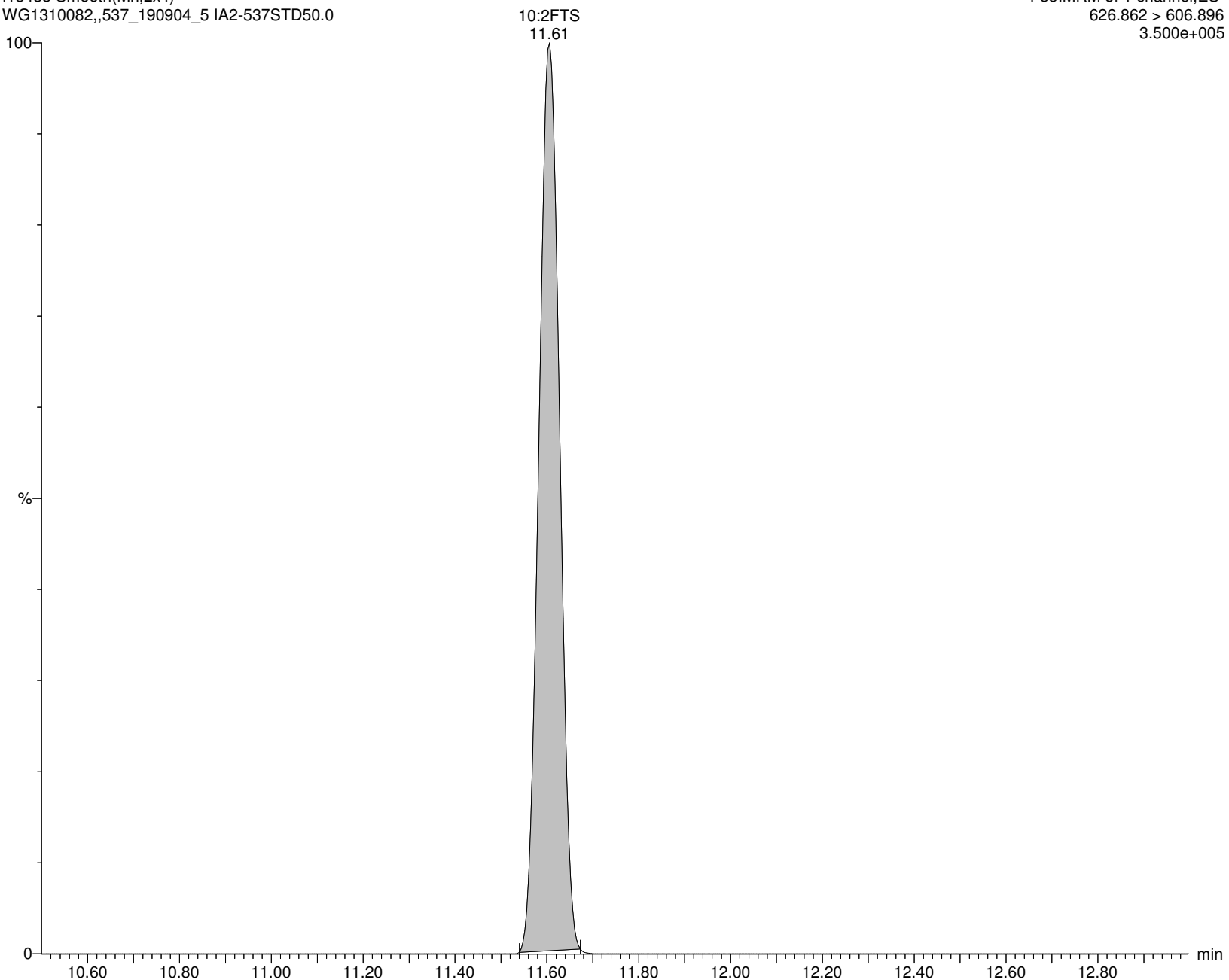
I13438 Smooth(Mn,2x4)

WG1310082,,537_190904_5 IA2-537STD50.0

F55:MRM of 1 channel,ES-

626.862 > 606.896

3.500e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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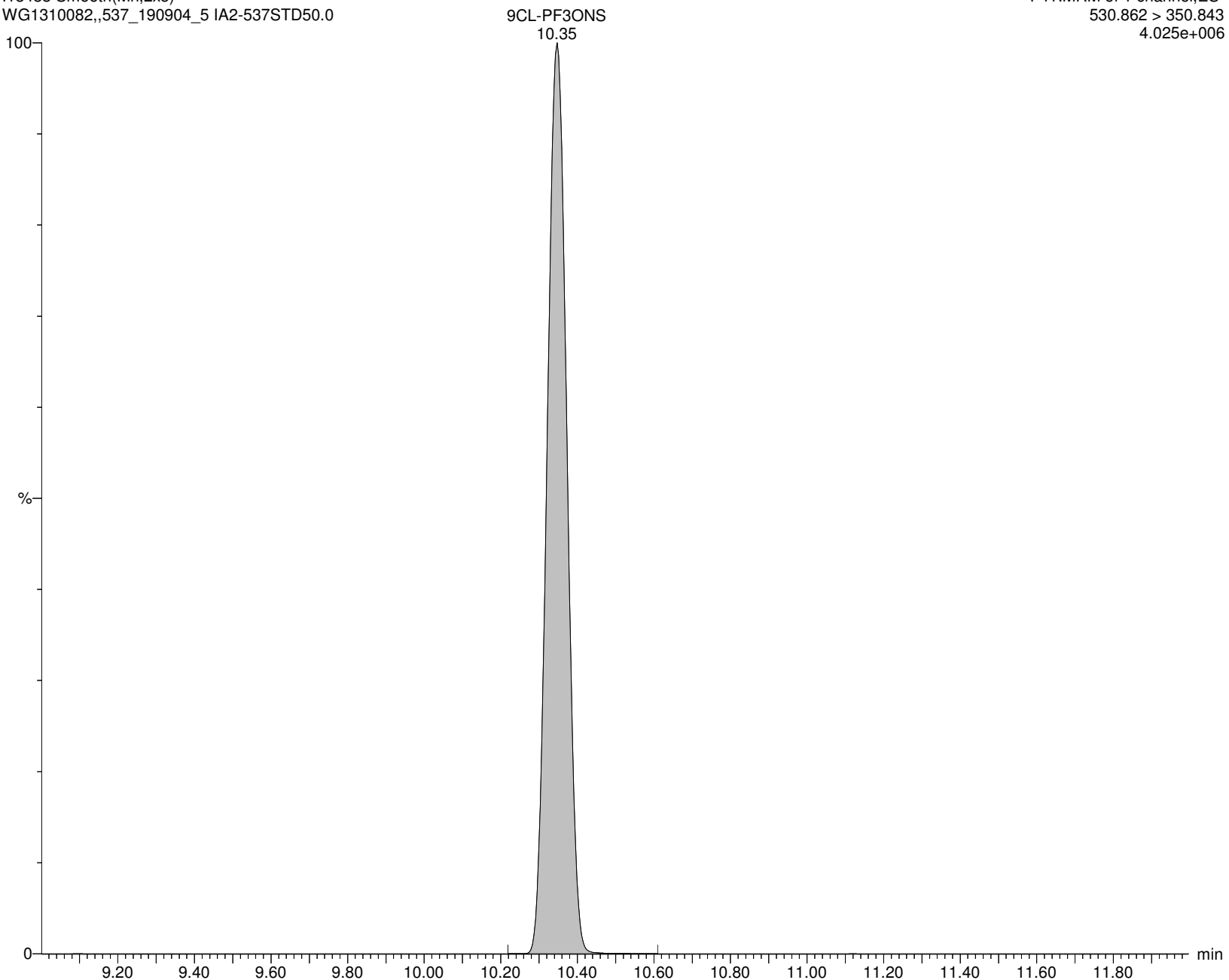
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F41:MRM of 1 channel,ES-

530.862 > 350.843

4.025e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

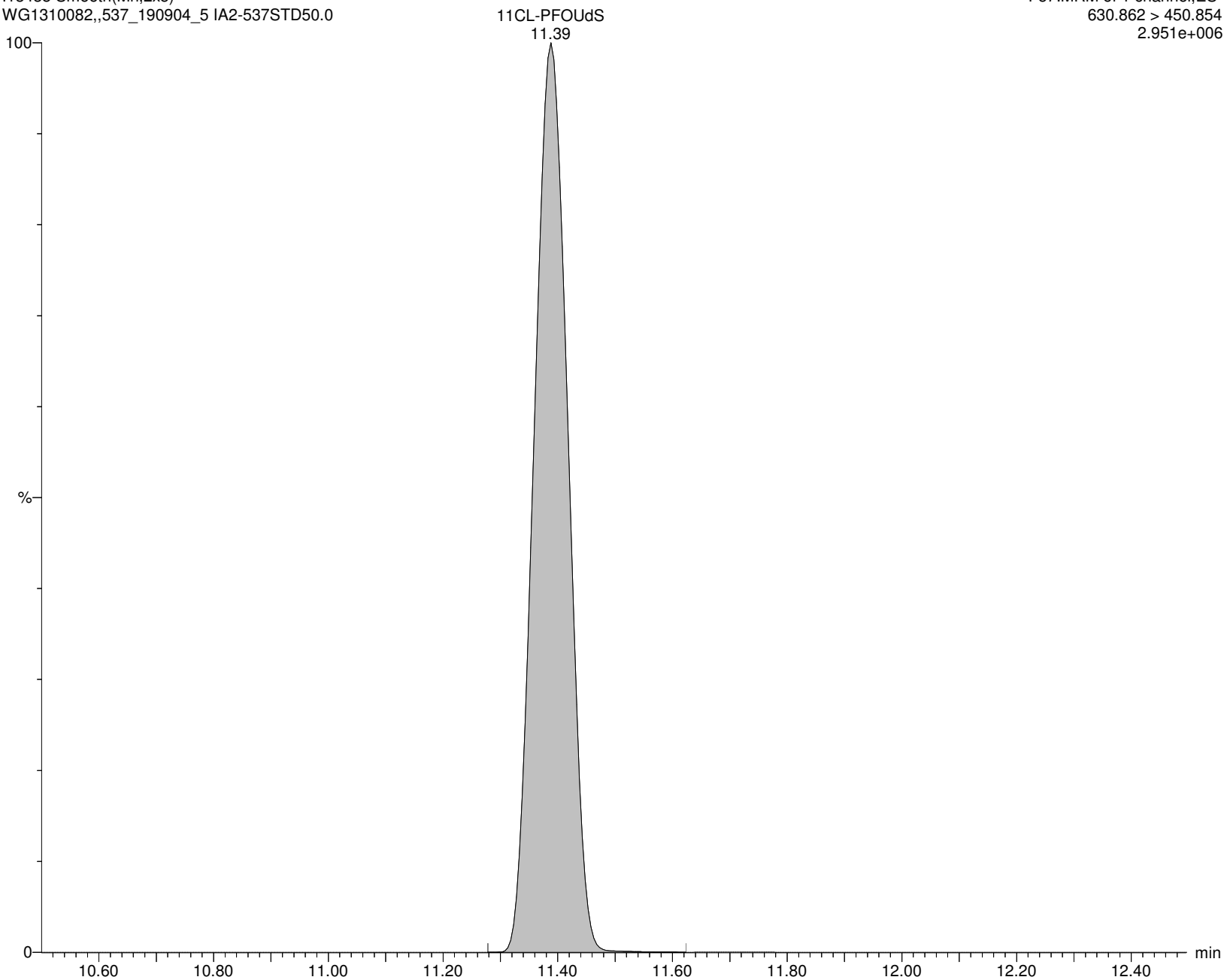
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F57:MRM of 1 channel,ES-

630.862 > 450.854

2.951e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

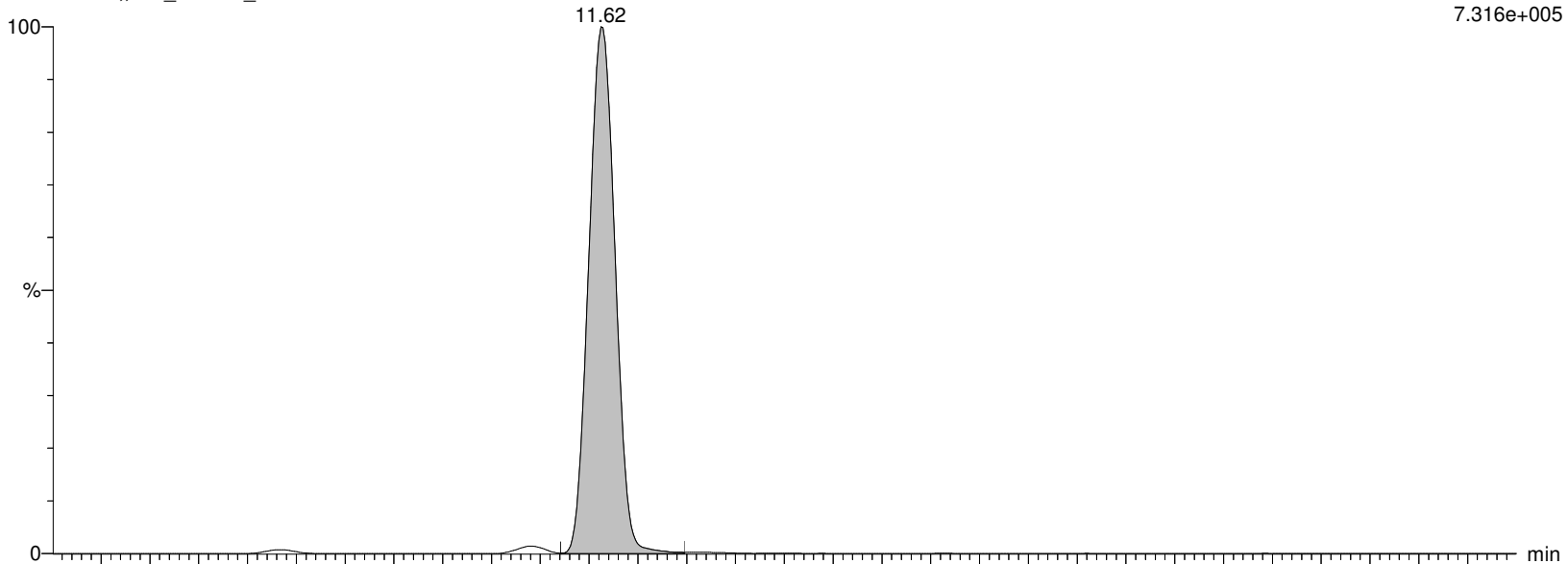
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F33:MRM of 2 channels,ES-

511.804 > 168.906

7.316e+005



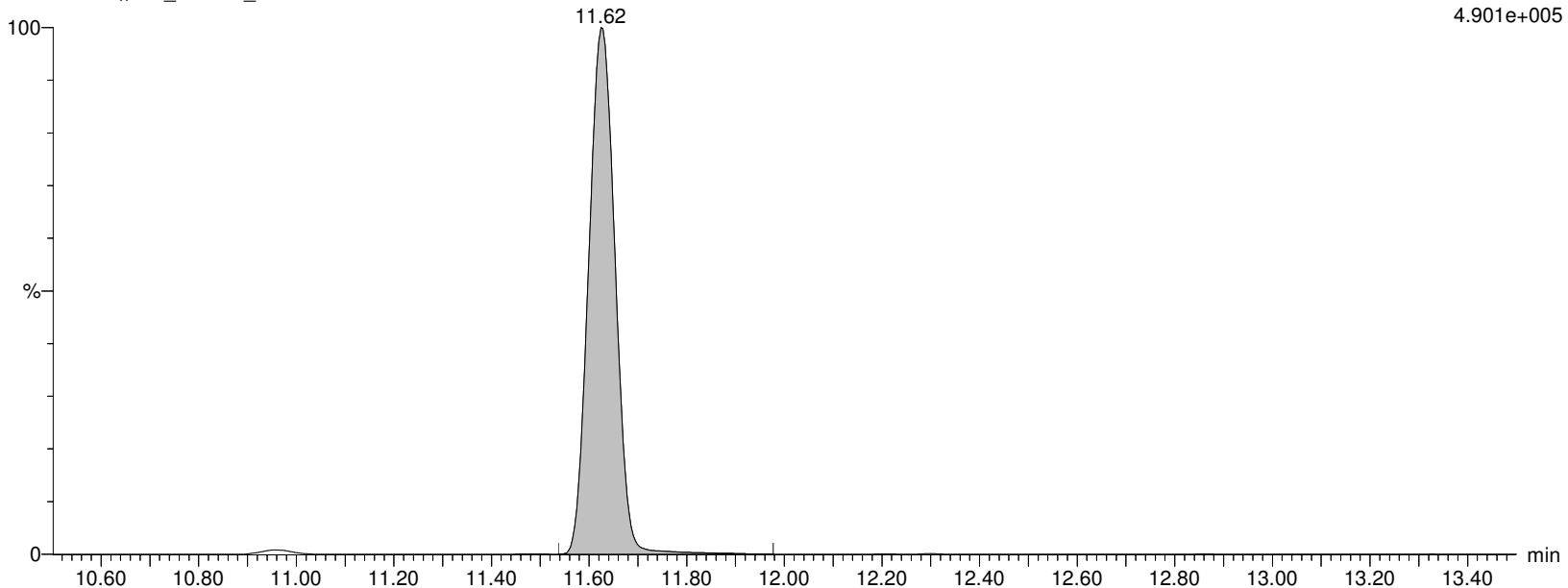
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F33:MRM of 2 channels,ES-

511.804 > 218.918

4.901e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13438 Smooth(Mn,2x5)

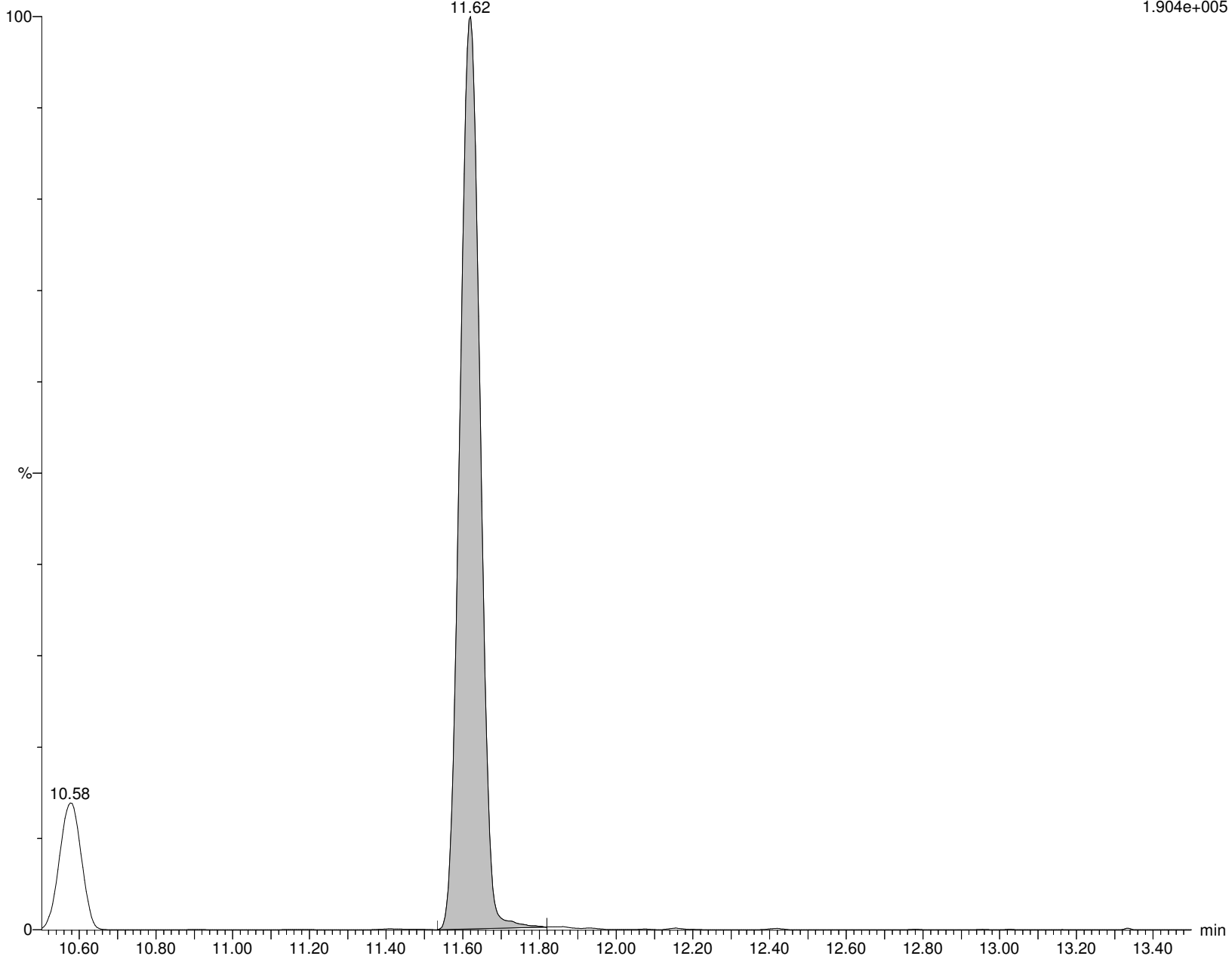
WG1310082,,537_190904_5 IA2-537STD50.0

d3-NMeFOSA
11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.904e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

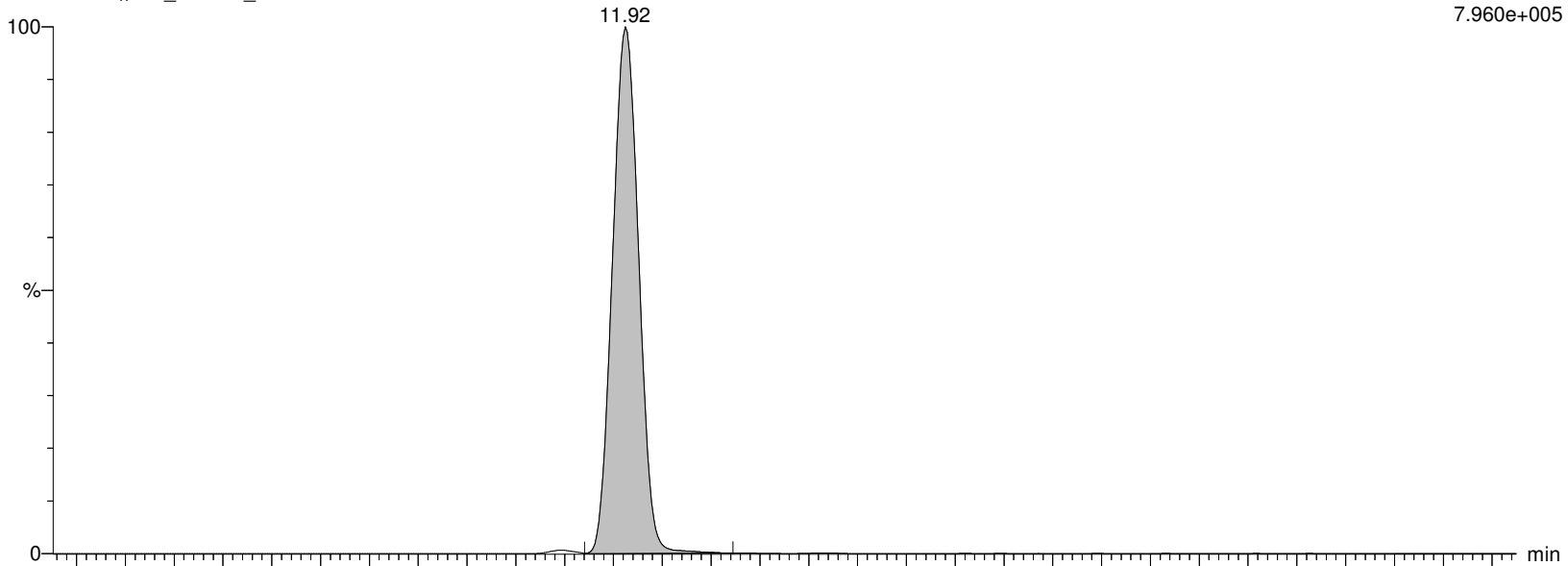
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F38:MRM of 2 channels,ES-

525.84 > 168.92

7.960e+005



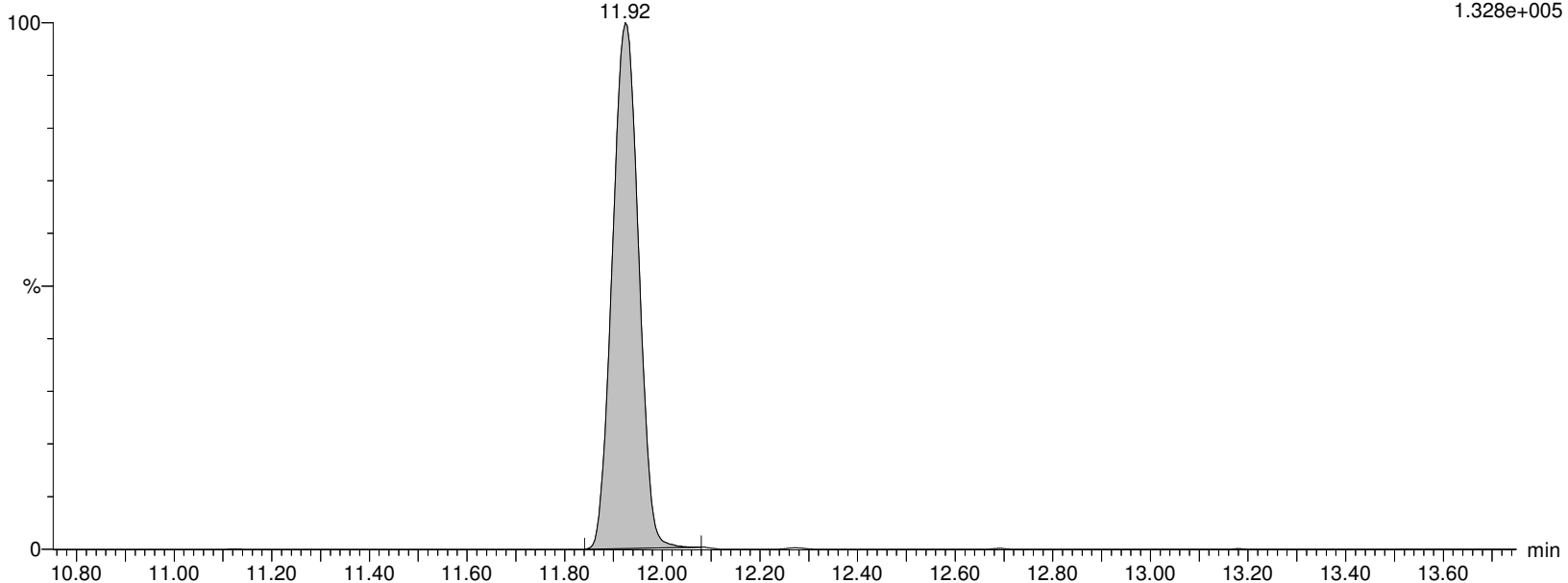
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F38:MRM of 2 channels,ES-

525.84 > 118.893

1.328e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSA

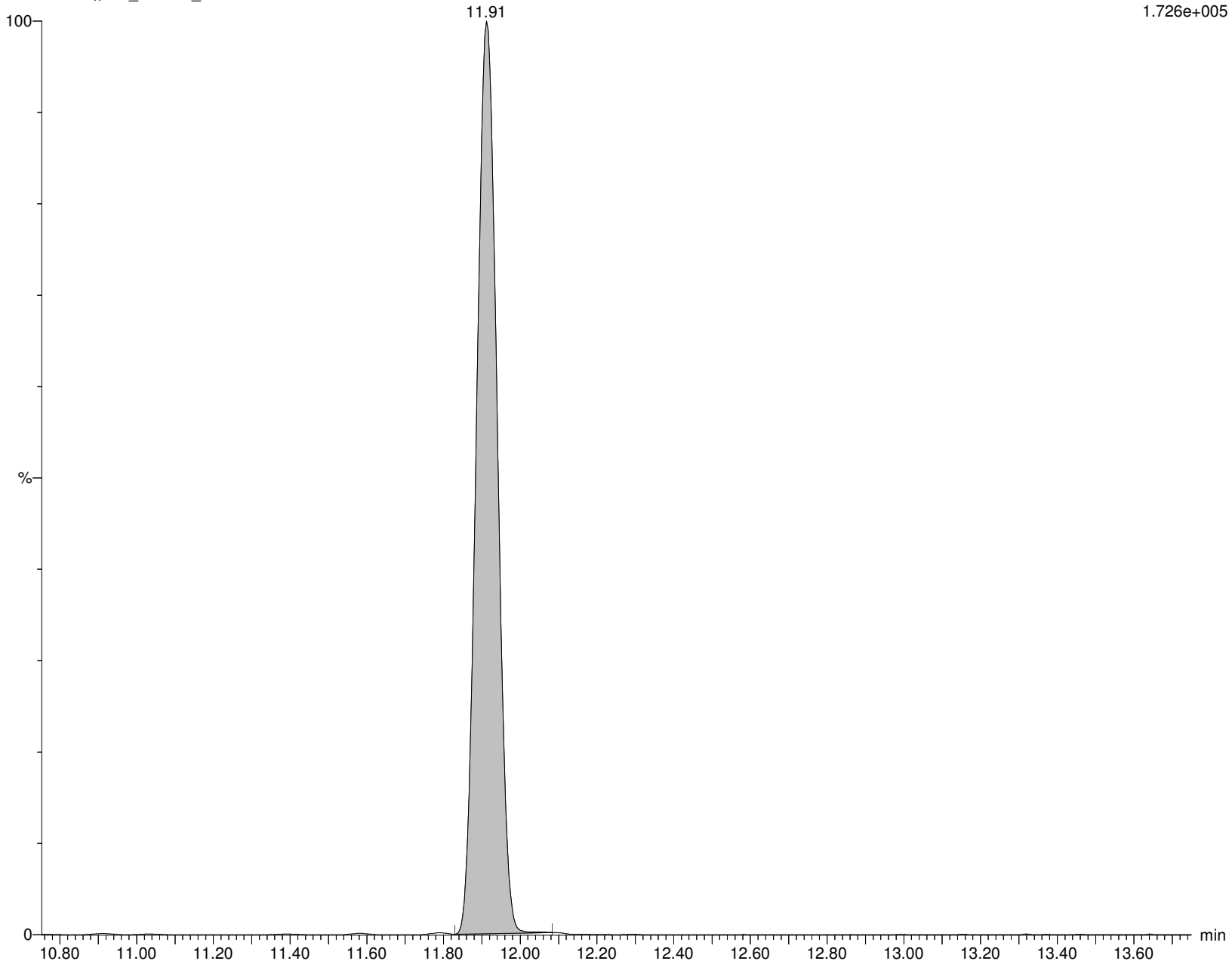
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.726e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438**ID: IA2-537STD50.0****Date: 18-Nov-2019****Time: 11:43:24****Description: WG1310082,,537_190904_5****User: LCMS02:JW****Vial: 1:A,6****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NMeFOSE**

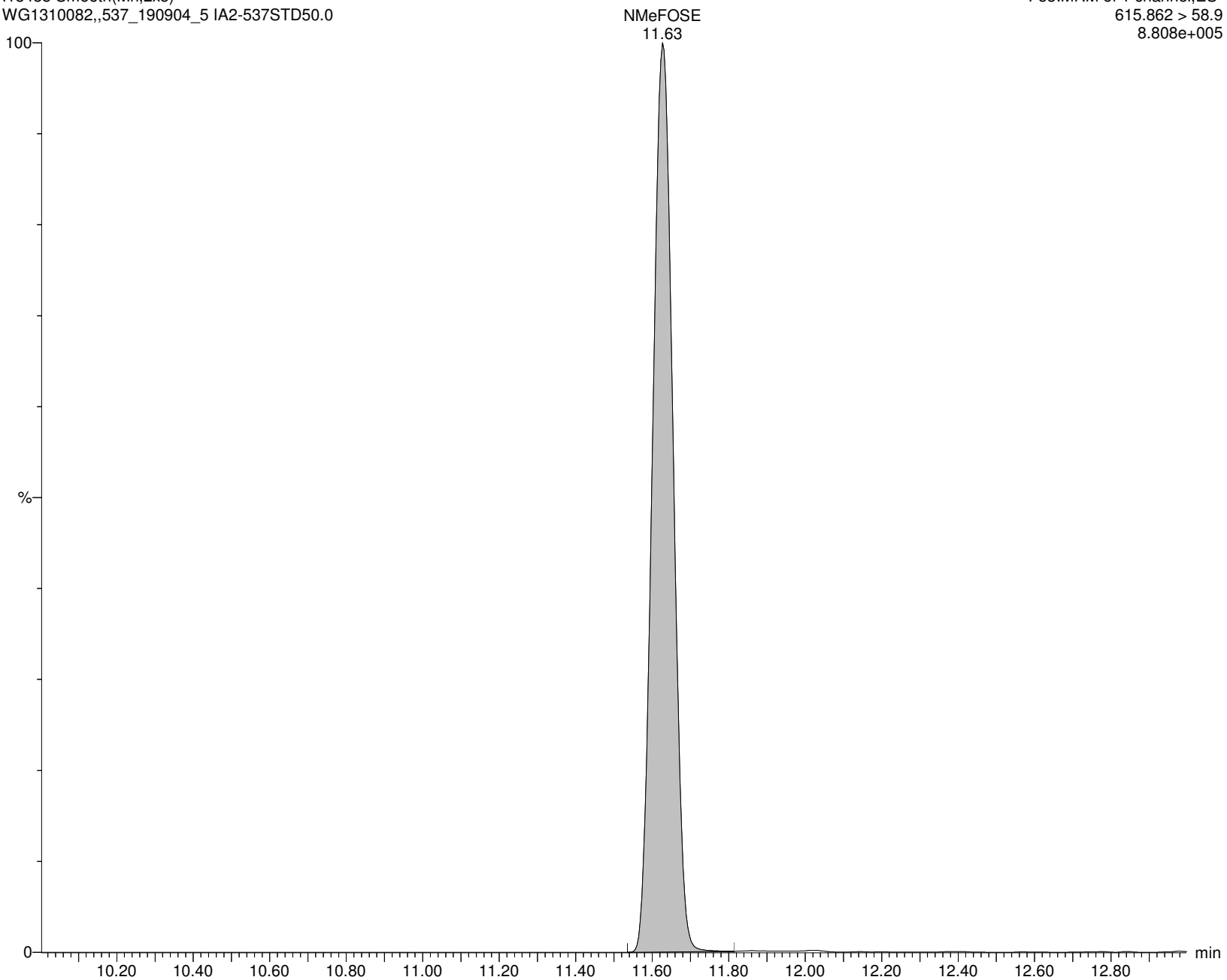
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F53:MRM of 1 channel,ES-

615.862 > 58.9

8.808e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

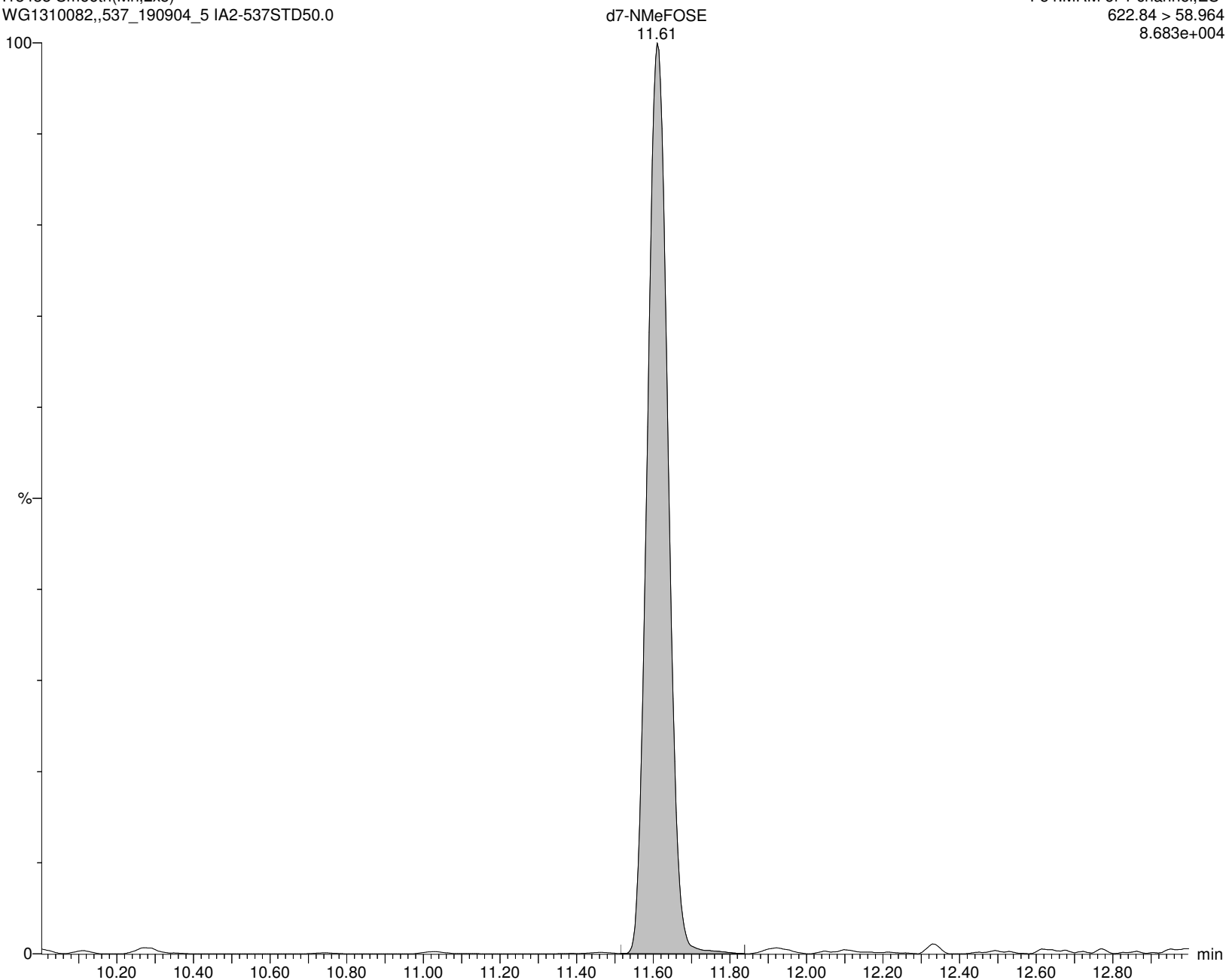
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F54:MRM of 1 channel,ES-

622.84 > 58.964

8.683e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSE

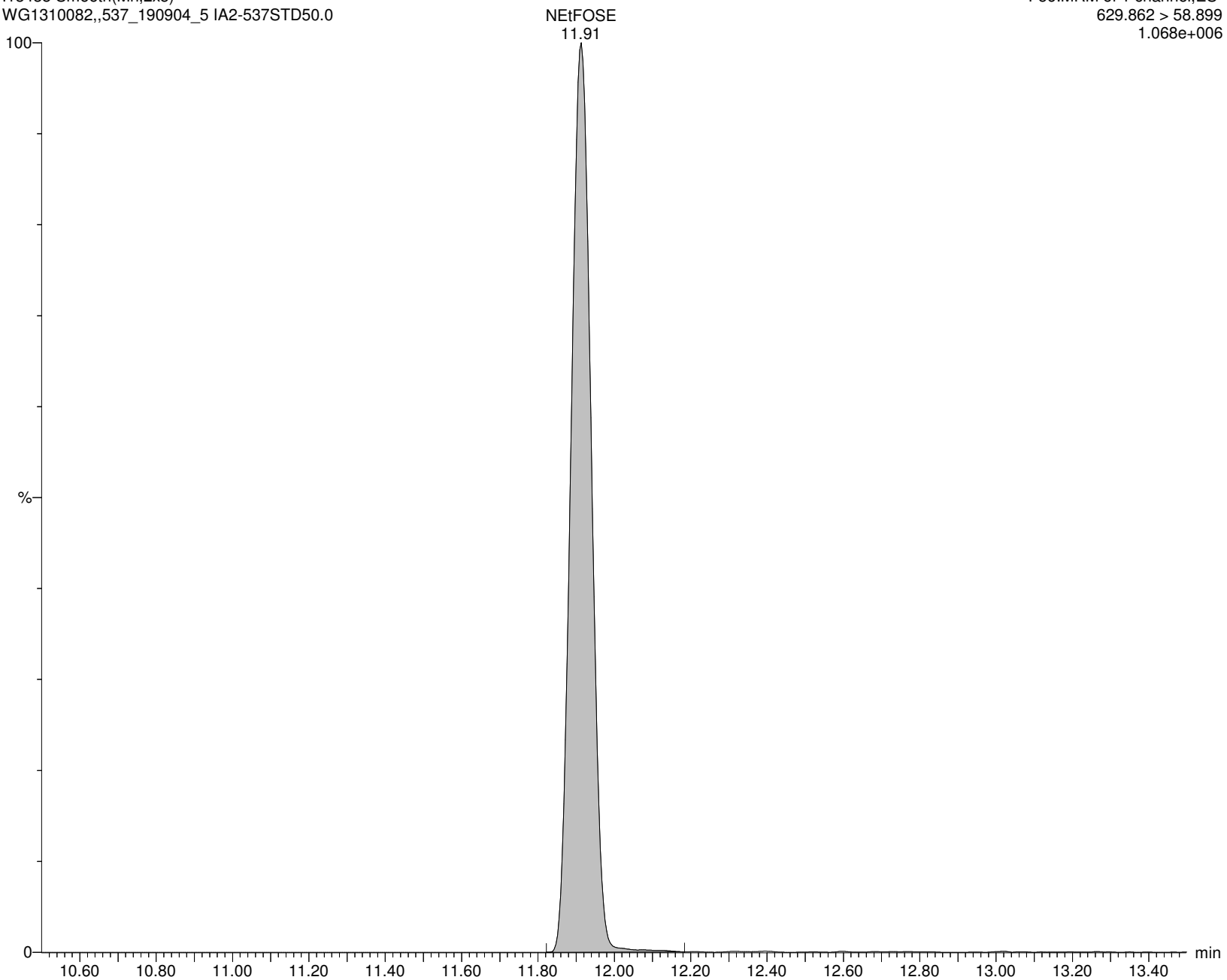
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F56:MRM of 1 channel,ES-

629.862 > 58.899

1.068e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:56 Eastern Standard Time

Name: I13438

ID: IA2-537STD50.0

Date: 18-Nov-2019

Time: 11:43:24

Description: WG1310082,,537_190904_5

User: LCMS02:JW

Vial: 1:A,6

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

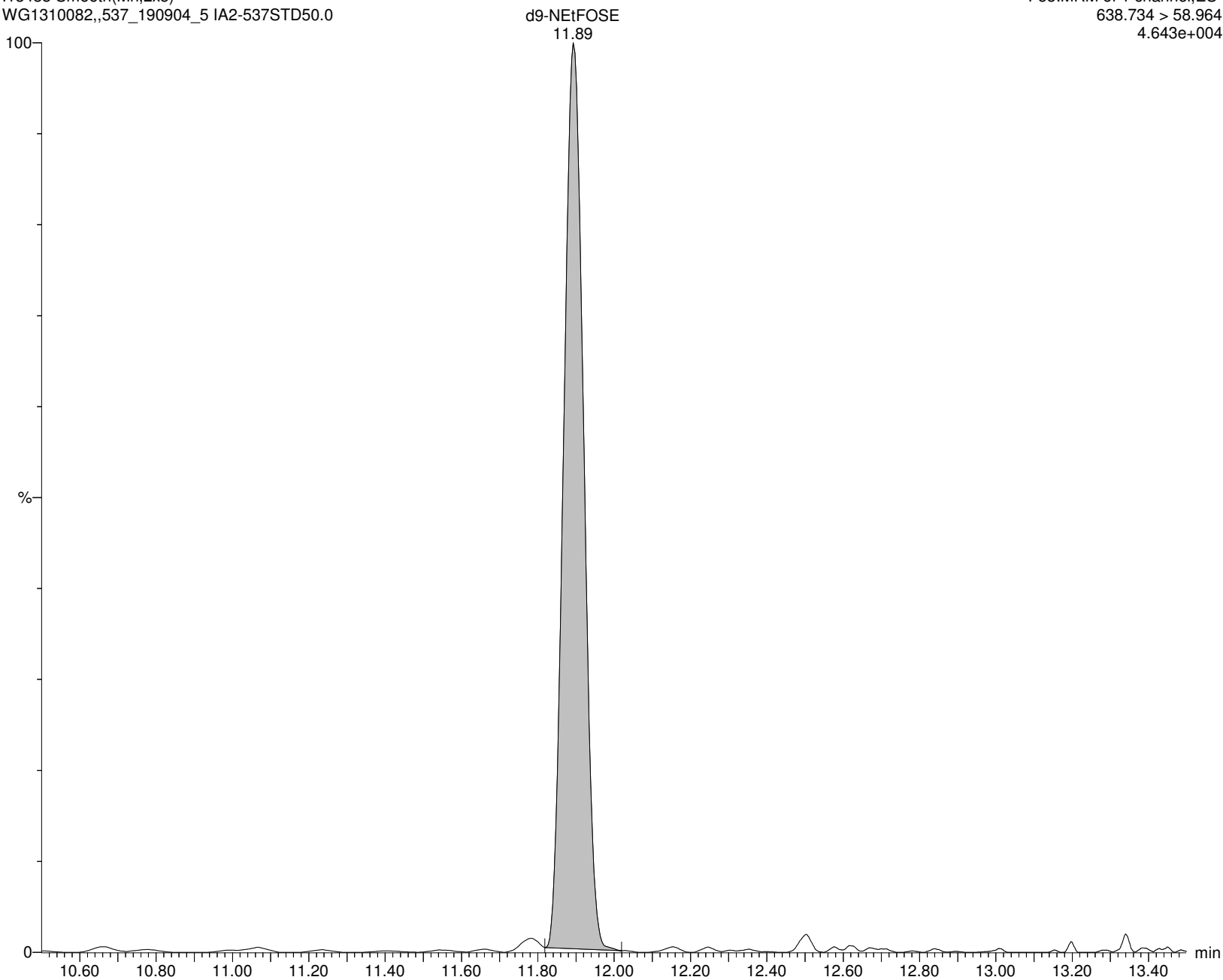
I13438 Smooth(Mn,2x5)

WG1310082,,537_190904_5 IA2-537STD50.0

F58:MRM of 1 channel,ES-

638.734 > 58.964

4.643e+004



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld
Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time
Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34
Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD125
Name: I13439
Date: 18-Nov-2019
Time: 12:00:10
Description: WG1310082,,537_190904_6
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	497631		123.580		na	98.9
2	M3PFBA	INT STD	2.19	215.926 > 172.122	44597		9.625		na	96.2
3	MPFBA	INT STD	2.19	216.926 > 172.137	48226		9.937		na	99.4
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	808329		123.649		na	98.9
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	67688		9.833		na	98.3
6	PFBS	375-73-5	5.74	298.926 > 79.923	147916		109.133	1.91	NO	98.7
7	M3PFBS	INT STD	5.74	301.989 > 80.254	9225		9.219		na	92.2
8	4:2FTS	757124-72-4	6.91	326.926 > 306.957	66776		110.524	2.11	NO	94.6
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	8099		12.466		na	124.7
10	PFHxA	307-24-4	6.99	312.989 > 269.028	867097		122.320	18.02	NO	97.9
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	77004		9.950		na	99.5
12	PFPeS	2706-91-4	7.30	348.926 > 80.251	97344		104.923	1.74	NO	89.3
13	PFHpA	375-85-9	8.25	362.926 > 319.014	1153906		126.109	5.91	NO	100.9
14	M4PFHpA	INT STD	8.25	366.926 > 321.979	101437		9.839		na	98.4
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	14988	M5	20.296	2.52	NO	95.5
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	58360		83.984	1.15	NO	90.8
17	PFHxS	355-46-4		398.926 > 80.295	73348		104.280		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	5548		9.605		na	96.0
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	1104013		122.381	10.15	NO	97.9
21	PFOA	335-67-1		412.989 > 368.9	1104013		122.381		na	
22	M8PFOA	INT STD	9.19	420.989 > 375.979	98245		9.931		na	99.3
23	M2PFOA	INT STD	9.19	415.032 > 369.968	101103		9.564		na	95.6
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	52169		117.597	11.09	NO	99.0
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	7531		11.861		na	118.6
26	PFHpS	375-92-8	9.28	448.926 > 80.257	51706		114.358	0.84	NO	96.3
27	PFNA	375-95-1	9.95	462.989 > 418.931	964954		124.705	4.55	NO	99.8
28	M9PFNA	INT STD	9.94	472.053 > 426.947	94452		9.703		na	97.0
29	br-PFOS	1763-23-1	9.81	498.989 > 80.294	23336	M5	23.990	4.76	NO	96.0
30	L-PFOS	1763-23-1	9.99	498.989 > 80.294	58382		86.636	1.47	NO	94.9
31	PFOS	1763-23-1		498.989 > 80.294	81717		110.626		na	
32	M4PFOS	INT STD	9.99	503.032 > 80.306	7149		10.237		na	102.4
33	M8PFOS	INT STD	9.99	507.053 > 80.294	6866		9.360		na	93.6
34	PFDA	335-76-2	10.57	513.053 > 468.906	877901		120.538	6.76	NO	96.4
35	M2PFDA	INT STD	10.57	515.053 > 469.934	80832		9.155		na	91.6
36	M6PFDA	INT STD	10.57	519.053 > 473.931	84901		10.163		na	101.6
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	37557		124.992		na	104.2
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	4755		12.767		na	127.7
39	PFNS	68259-12-1	10.60	548.989 > 80.249	74580		116.767	1.30	NO	97.3

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

ID: IA2-537STD125

Name: I13439

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	9496		9.981		na	99.8
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	118339		133.711	2.73	NO	107.0
43	NMeFOSAA	2355-31-9		570.053 > 418.917	118339		133.711		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	824708		120.130	8.09	NO	96.1
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	71788		9.686		na	96.9
46	PFDS	335-77-3	11.12	598.926 > 80.314	51137		112.012	0.96	NO	92.9
47	FOSA	754-91-6	11.01	497.989 > 78.245	264461		120.464	110.76	NO	96.4
48	M8FOSA	INT STD	11.01	506.053 > 78.286	20661		10.460		na	104.6
49	d5-NEtFOSAA	INT STD	11.24	589.117 > 418.929	8803		10.474		na	104.7
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	103539		124.593	2.46	NO	99.7
52	NEtFOSAA	2991-50-6		583.989 > 418.927	103539		124.593		na	
53	PFDoA	307-55-1	11.59	612.989 > 568.967	888519		128.977	14.51	NO	103.2
54	MPFDOA	INT STD	11.59	614.989 > 569.92	81335		9.782		na	97.8
55	PFTTrDA	72629-94-8	12.00	663.053 > 618.969	612947		119.054	11.28	NO	95.2
56	PFTA	376-06-7	12.36	713.053 > 668.976	649348		121.308	8.67	NO	97.0
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	66842		10.121		na	101.2
58	M3HFPO-DA	INT STD	7.40	331.989 > 286.995	11429		263.678		na	131.8
59	HFPO-DA	13252-13-6	7.40	284.819 > 169.094	264459		2786.926	2.68	YES	111.5
60	ADONA	958445-44-8	8.43	376.926 > 251.005	1641867		127.123		na	107.5
61	PFHxDA		12.78	813.053 > 769.005	578244		122.629		na	98.1
62	PFODA		12.99	912.989 > 869.032	447829		129.854		na	103.9
63	M2PFHxDA		12.78	815.372 > 770.158	13695		9.742		na	97.4
64	PFDoS		11.99	698.649 > 79.853	58474		125.644	1.96	YES	100.5
65	10:2FTS		11.60	626.862 > 606.896	39856		121.752		na	101.0
66	9CL-PF3ONS		10.34	530.862 > 350.843	556616		123.346		na	105.9
67	11CL-PFOUdS		11.38	630.862 > 450.854	466933		122.738		na	104.2
68	NMeFOSA		11.62	511.804 > 168.906	110689		136.165	1.44	NO	108.9
69	d3-NMeFOSA		11.62	514.84 > 168.917	10937		10.618		na	106.2
70	NEtFOSA		11.92	525.84 > 168.92	119958		133.286	5.69	NO	106.6
71	d5-NEtFOSA		11.91	530.904 > 168.919	10272		10.195		na	101.9
72	NMeFOSE		11.62	615.862 > 58.9	128959		131.619		na	105.3
73	d7-NMeFOSE		11.61	622.84 > 58.964	4843		10.039		na	100.4
74	NEtFOSE		11.91	629.862 > 58.899	148855		121.844		na	97.5
75	d9-NEtFOSE		11.89	638.734 > 58.964	3095		10.971		na	109.7

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

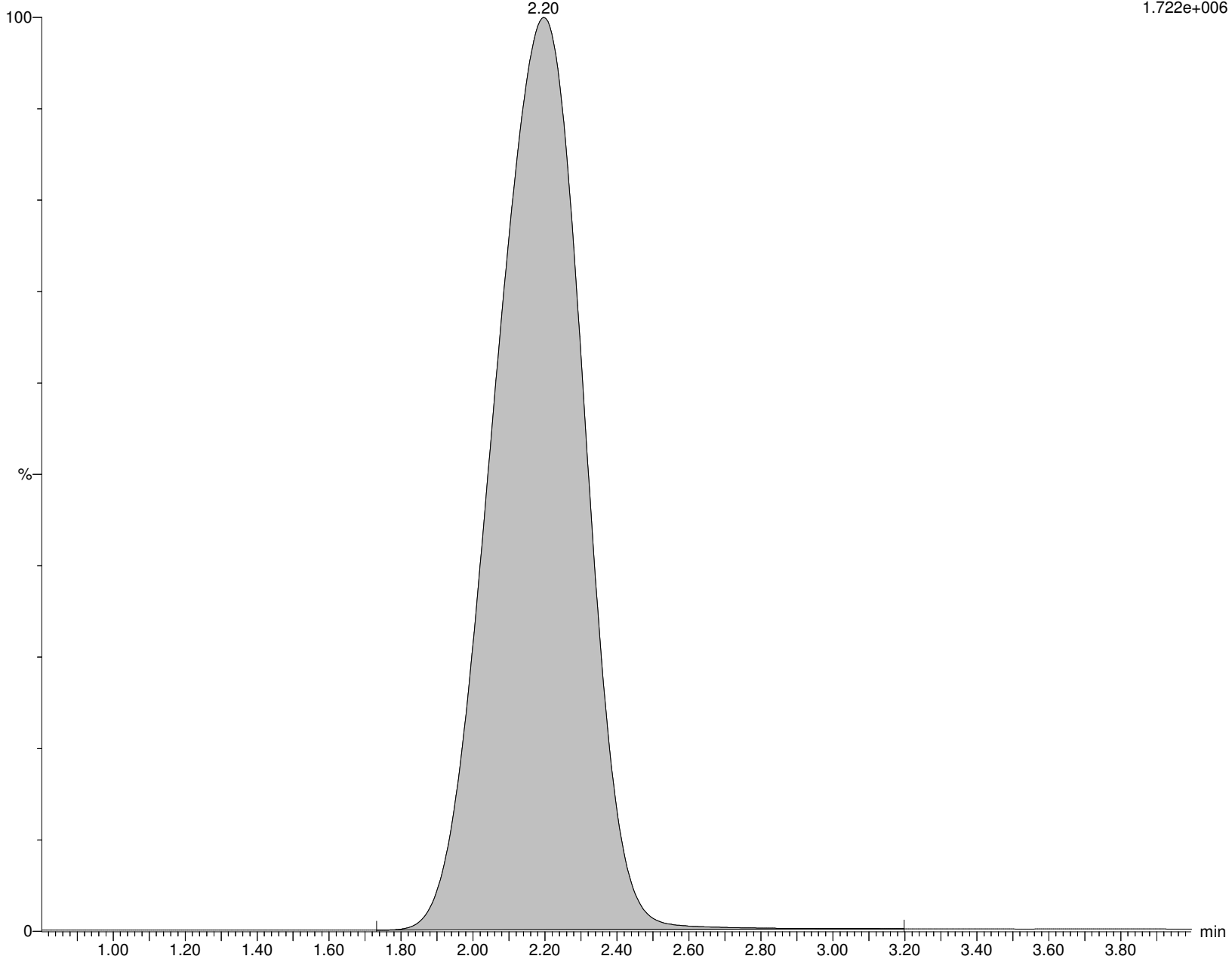
I13439 Smooth(Mn,8x8)

WG1310082,,537_190904_6 IA2-537STD125

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.722e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

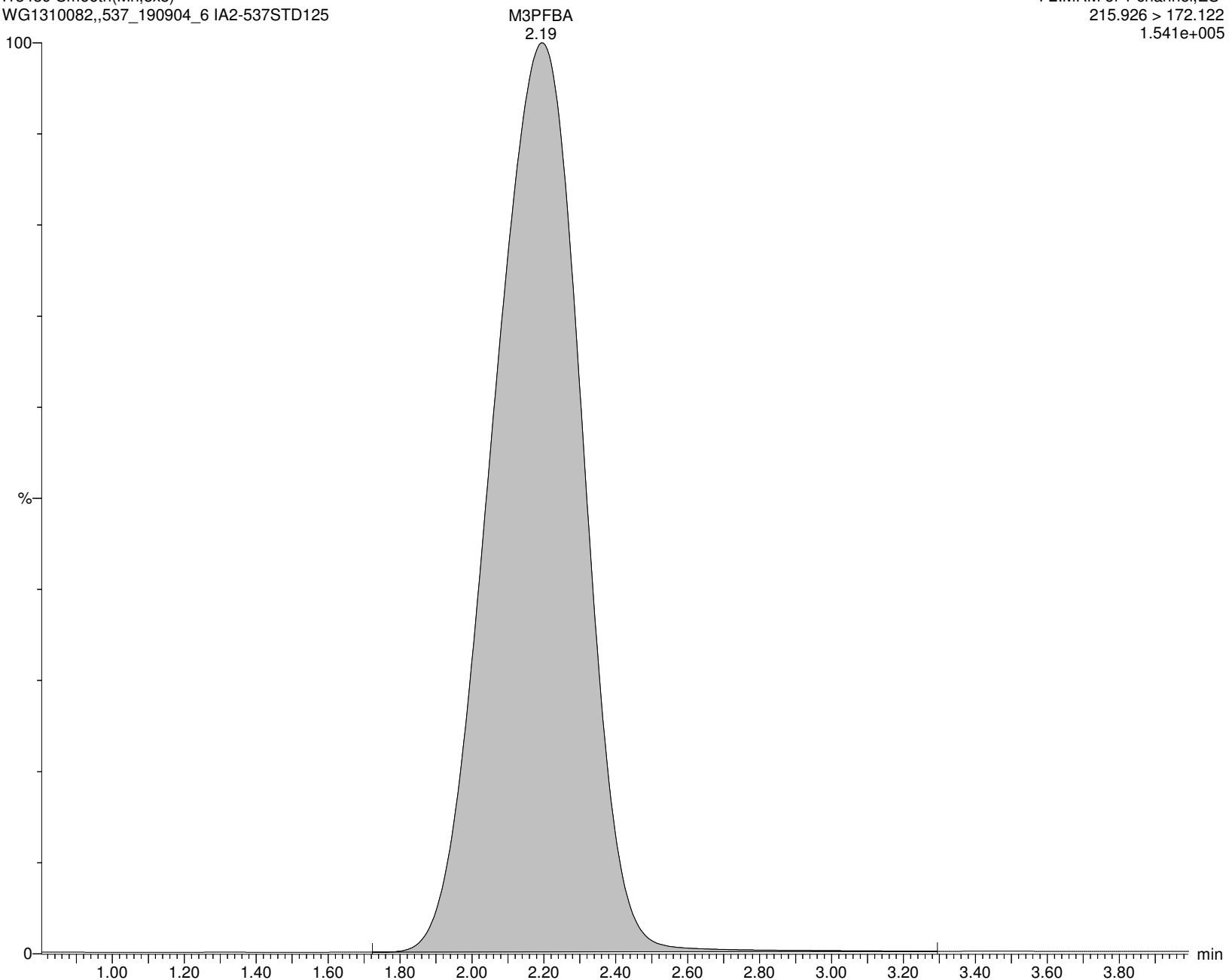
I13439 Smooth(Mn,8x8)

WG1310082,,537_190904_6 IA2-537STD125

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.541e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFBA

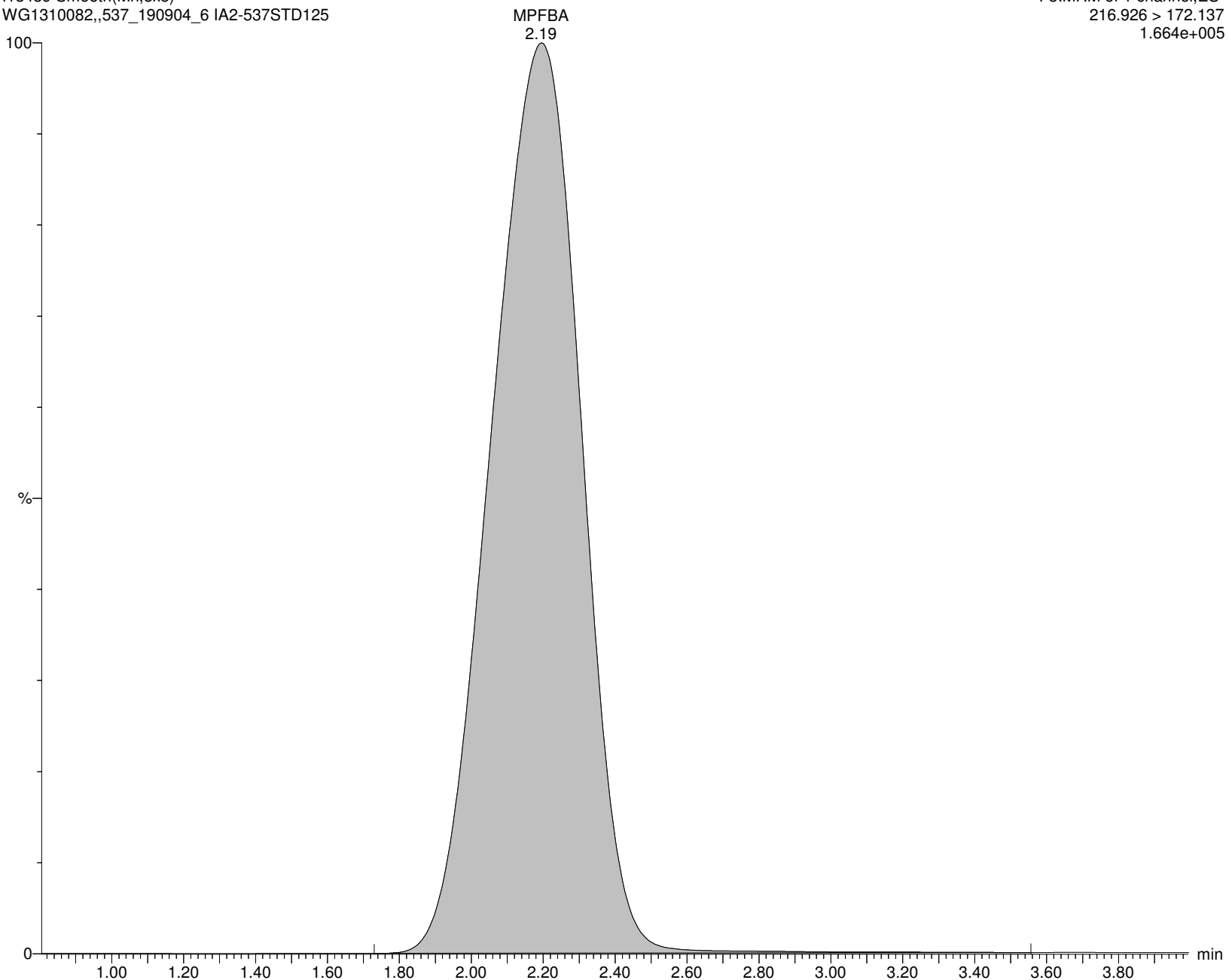
I13439 Smooth(Mn,8x8)

WG1310082,,537_190904_6 IA2-537STD125

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.664e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

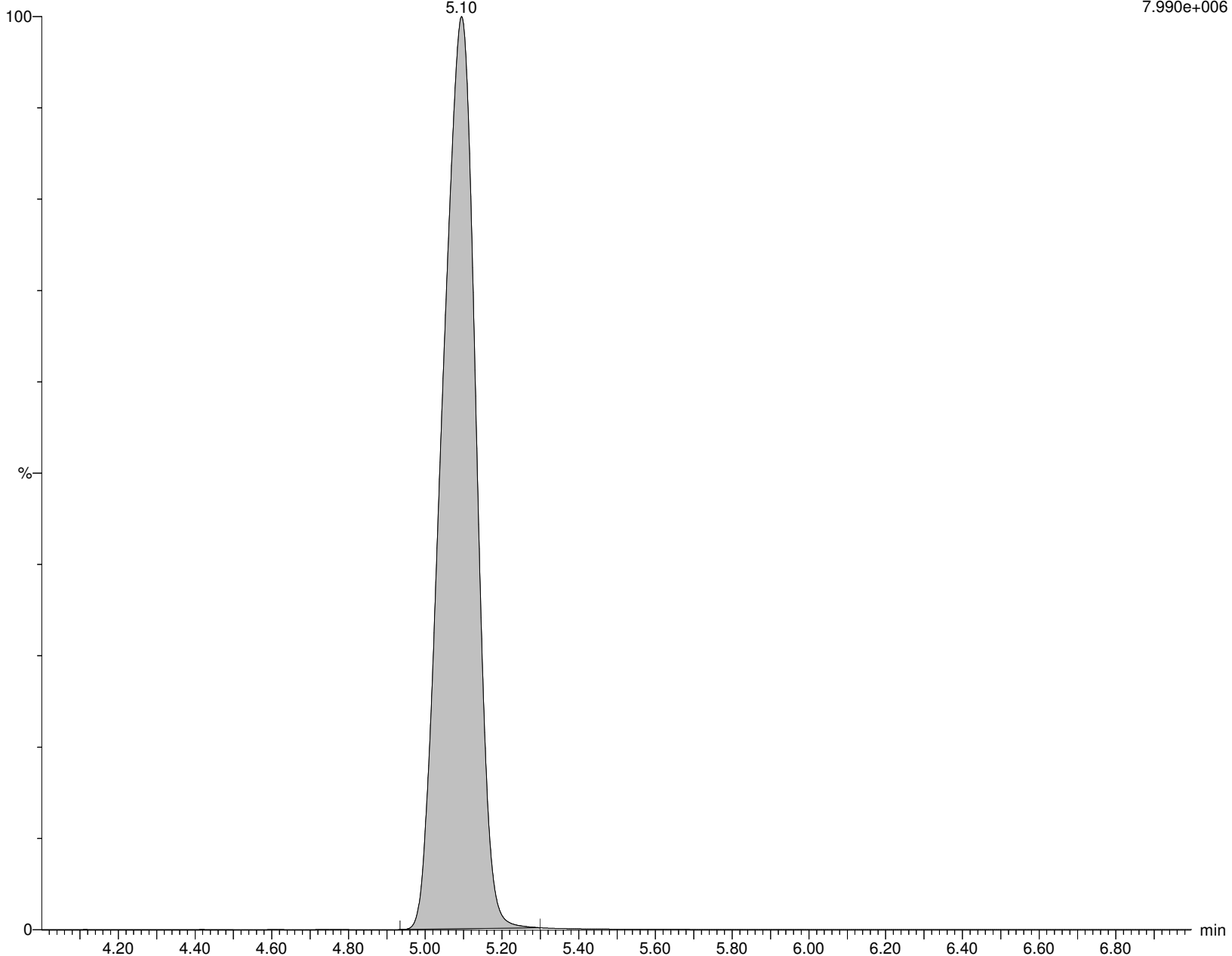
I13439 Smooth(Mn,7x7)

WG1310082,,537_190904_6 IA2-537STD125

F4:MRM of 1 channel,ES-

262.926 > 219.002

7.990e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

I13439 Smooth(Mn,10x10)

WG1310082,,537_190904_6 IA2-537STD125

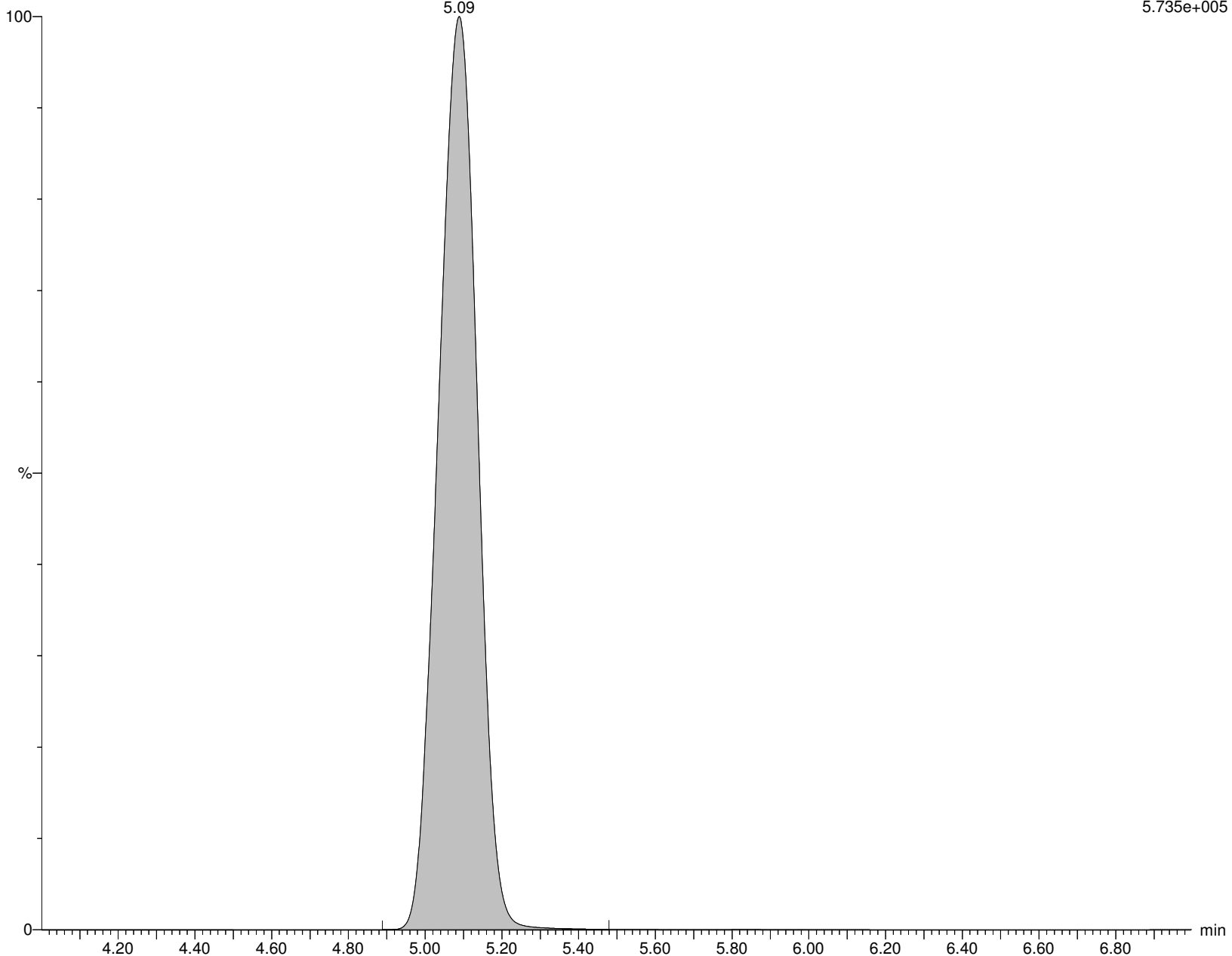
M5PFPEA

5.09

F5:MRM of 1 channel,ES-

267.989 > 223.081

5.735e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

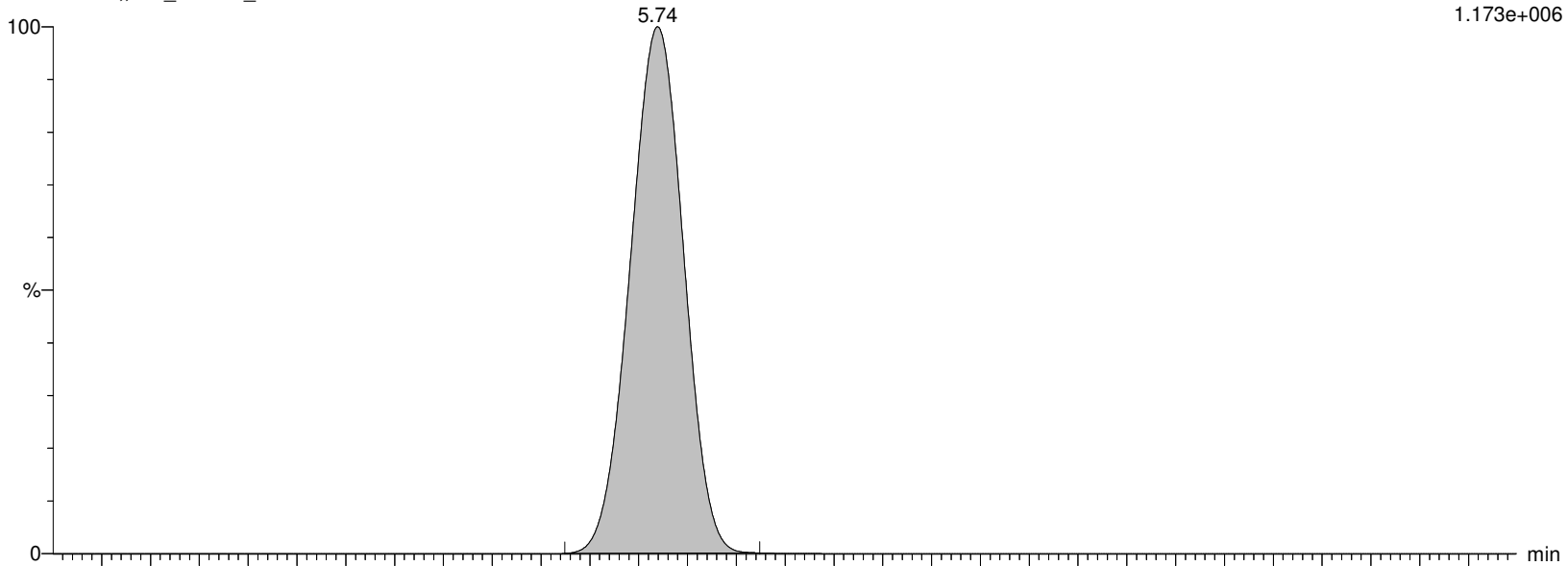
I13439 Smooth(Mn,10x10)

WG1310082,,537_190904_6 IA2-537STD125

F7:MRM of 2 channels,ES-

298.926 > 79.923

1.173e+006



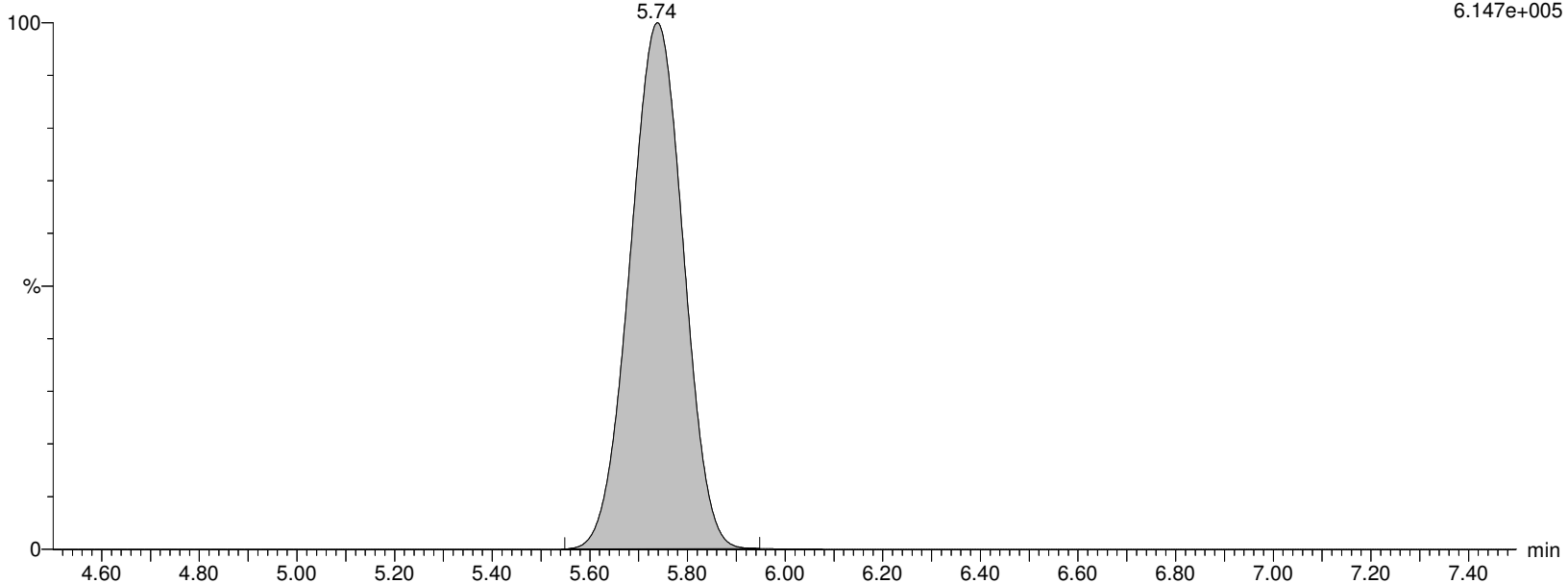
I13439 Smooth(Mn,10x10)

WG1310082,,537_190904_6 IA2-537STD125

F7:MRM of 2 channels,ES-

298.926 > 98.862

6.147e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439**ID: IA2-537STD125****Date: 18-Nov-2019****Time: 12:00:10****Description: WG1310082,,537_190904_6****User: LCMS02:JW****Vial: 1:A,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

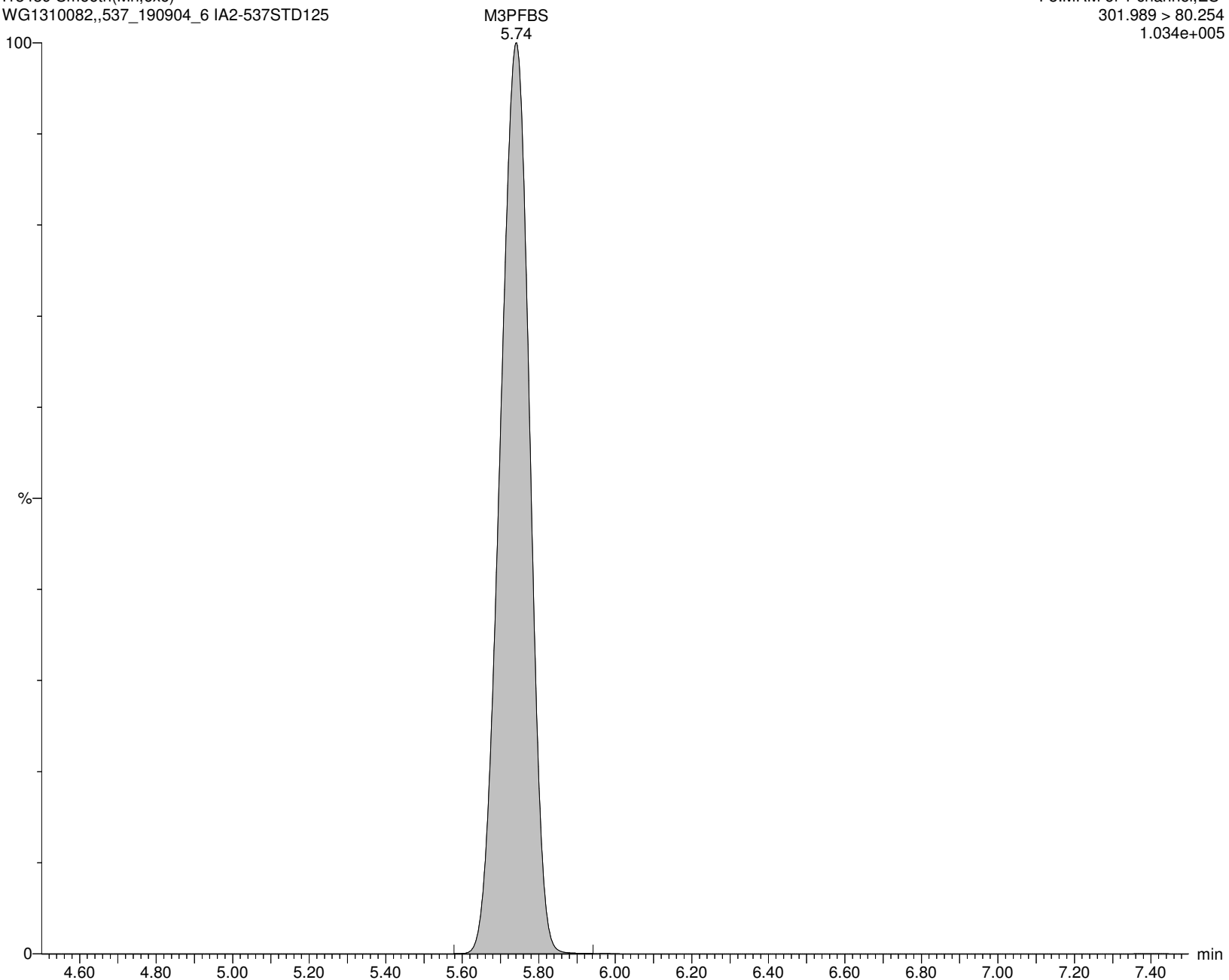
I13439 Smooth(Mn,6x6)

WG1310082,,537_190904_6 IA2-537STD125

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.034e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

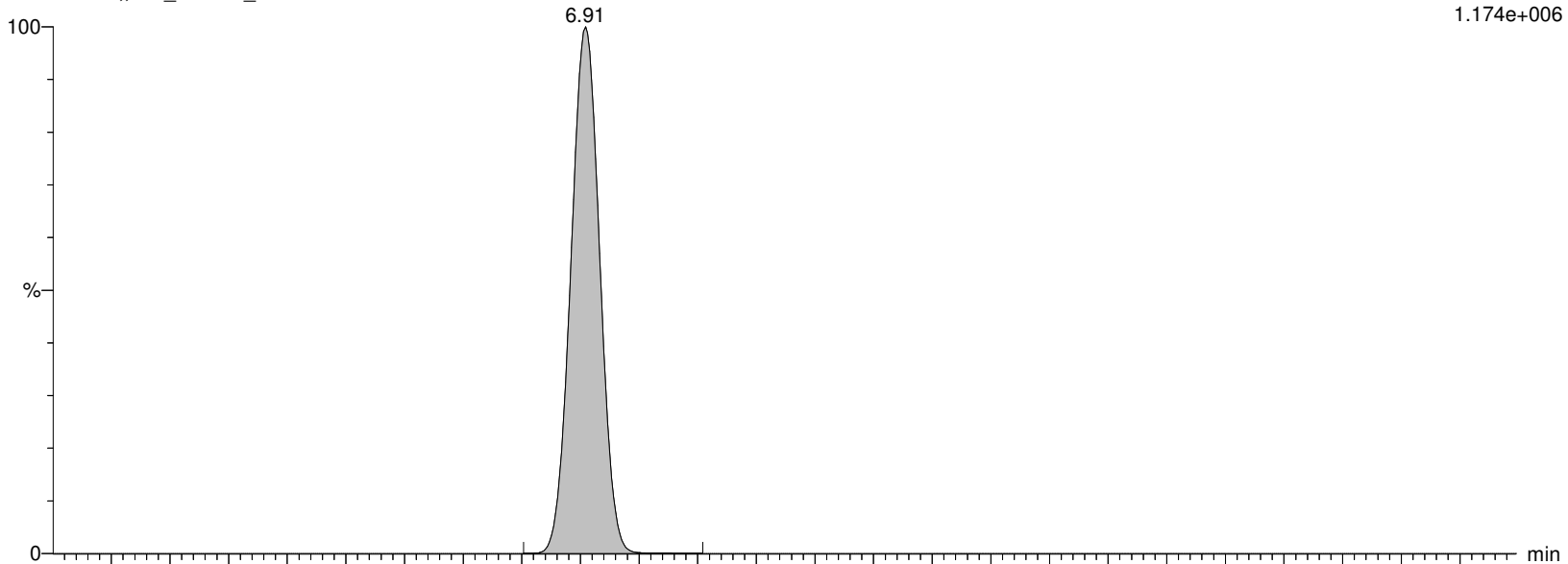
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F11:MRM of 2 channels,ES-

326.926 > 306.957

1.174e+006



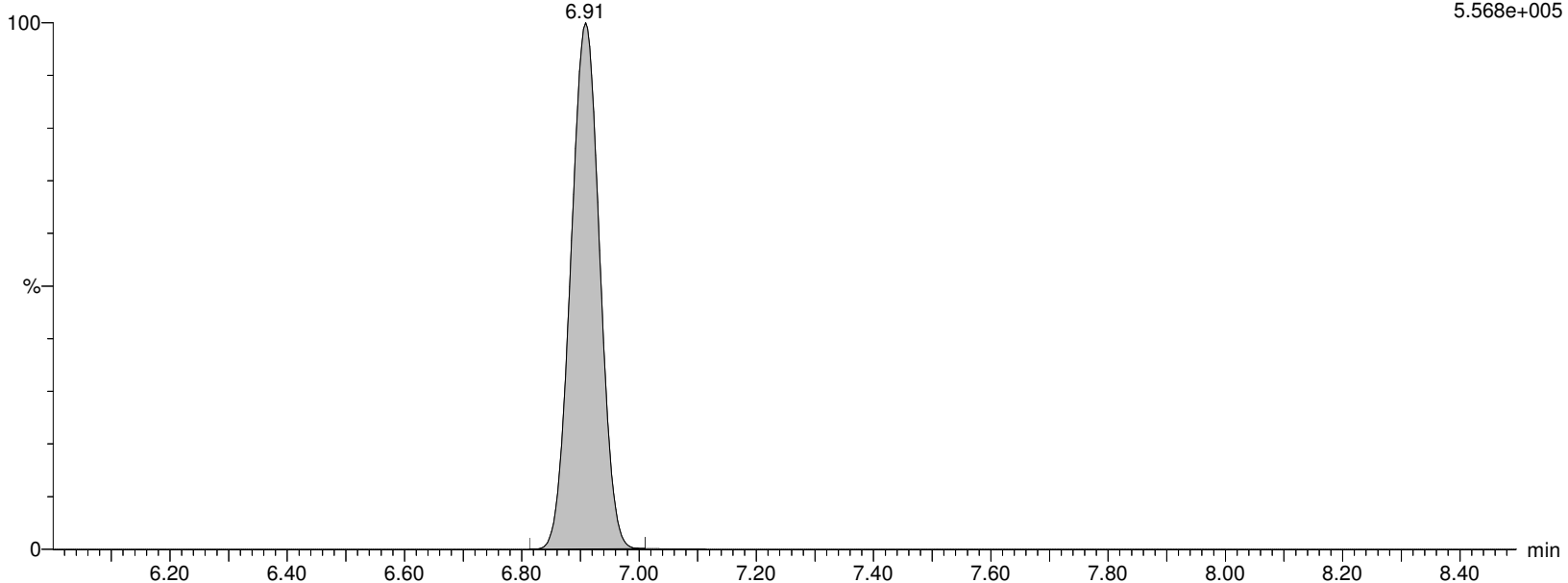
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F11:MRM of 2 channels,ES-

326.926 > 81.02

5.568e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

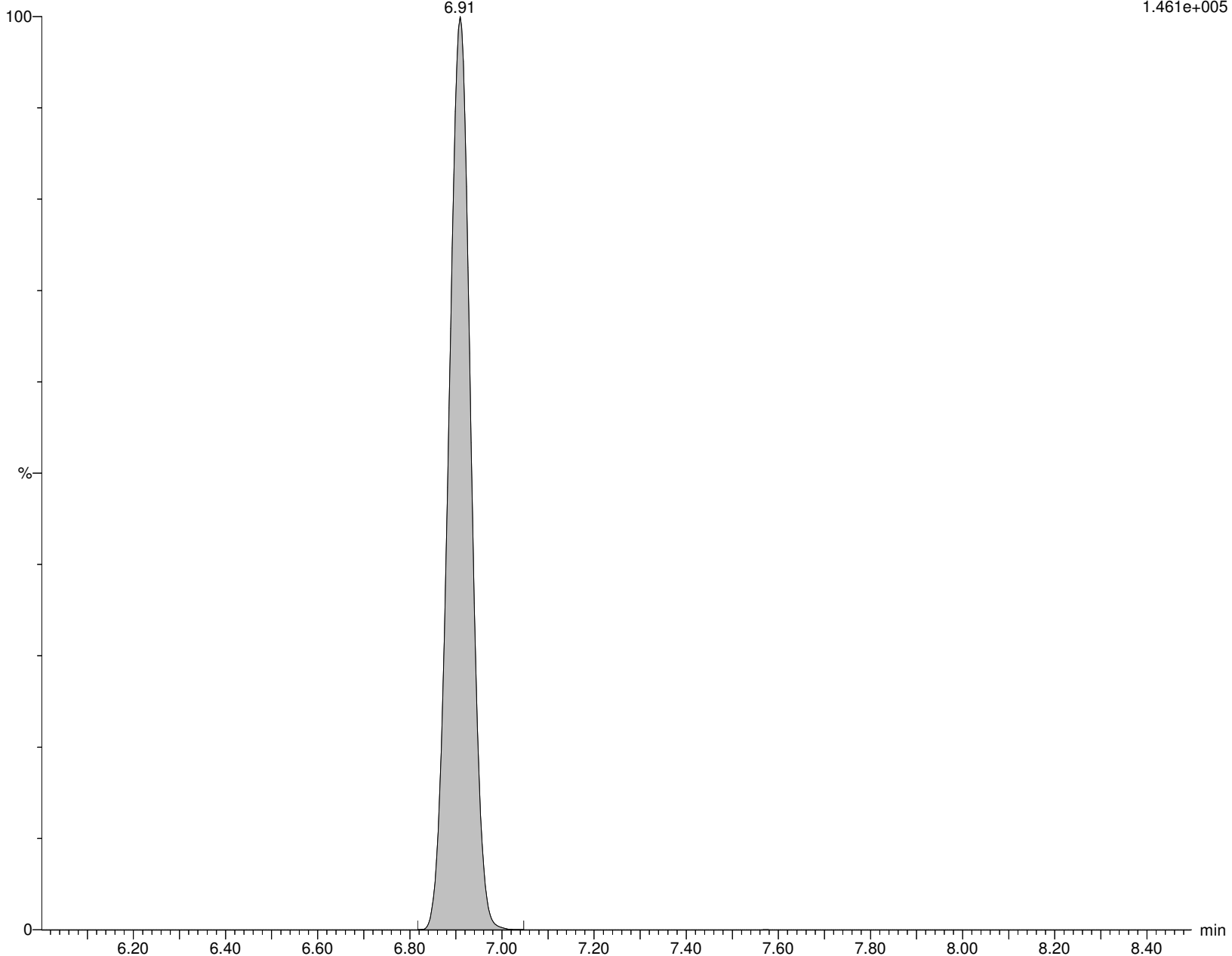
M2-4:2FTS

6.91

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.461e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

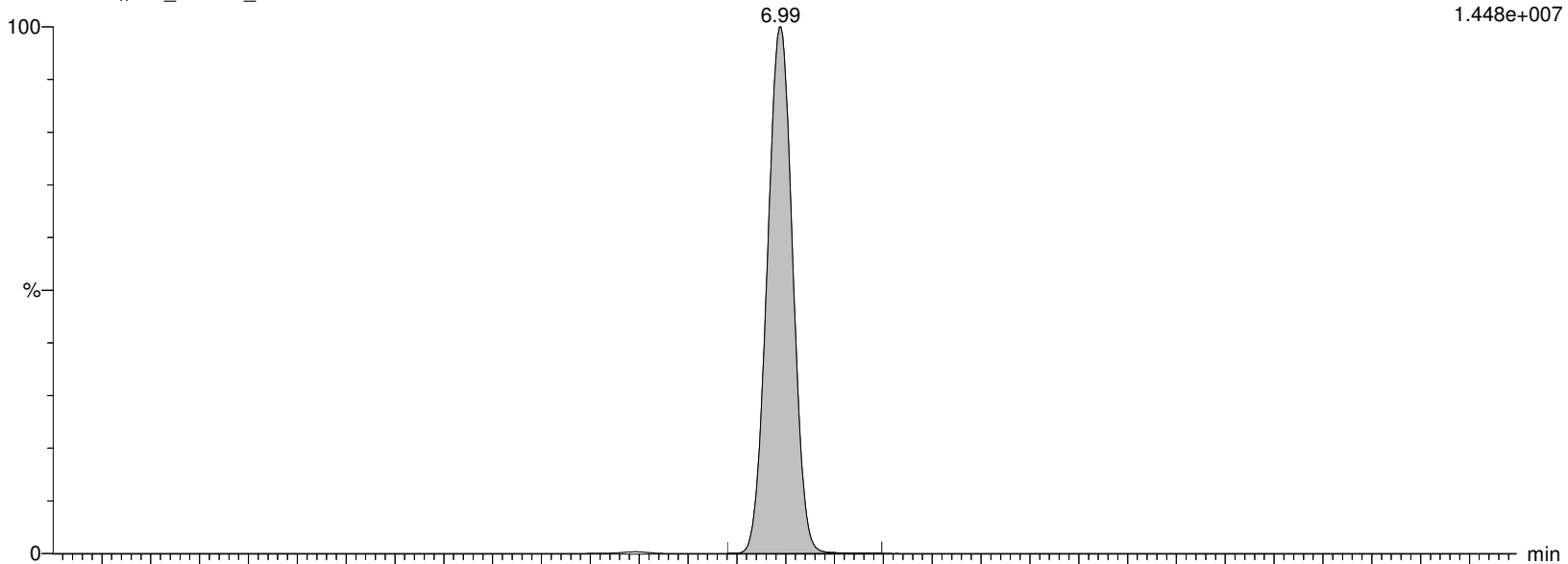
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F9:MRM of 2 channels,ES-

312.989 > 269.028

1.448e+007



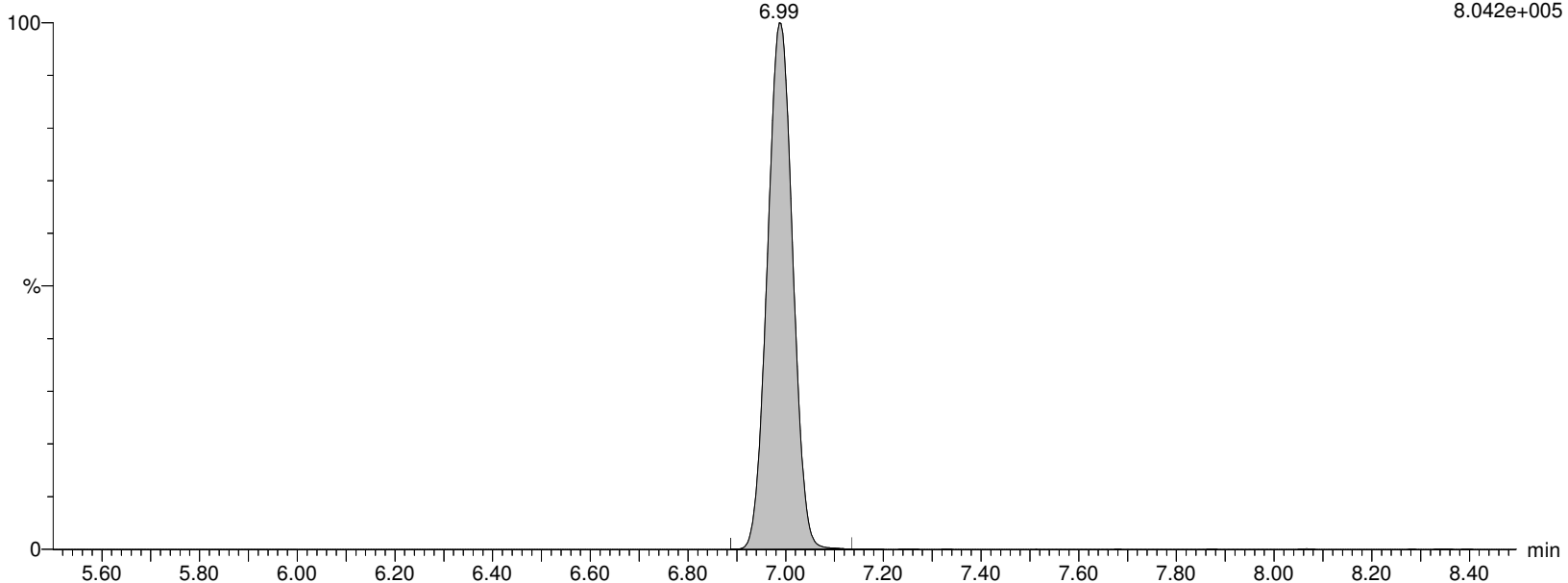
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F9:MRM of 2 channels,ES-

312.989 > 119.18

8.042e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

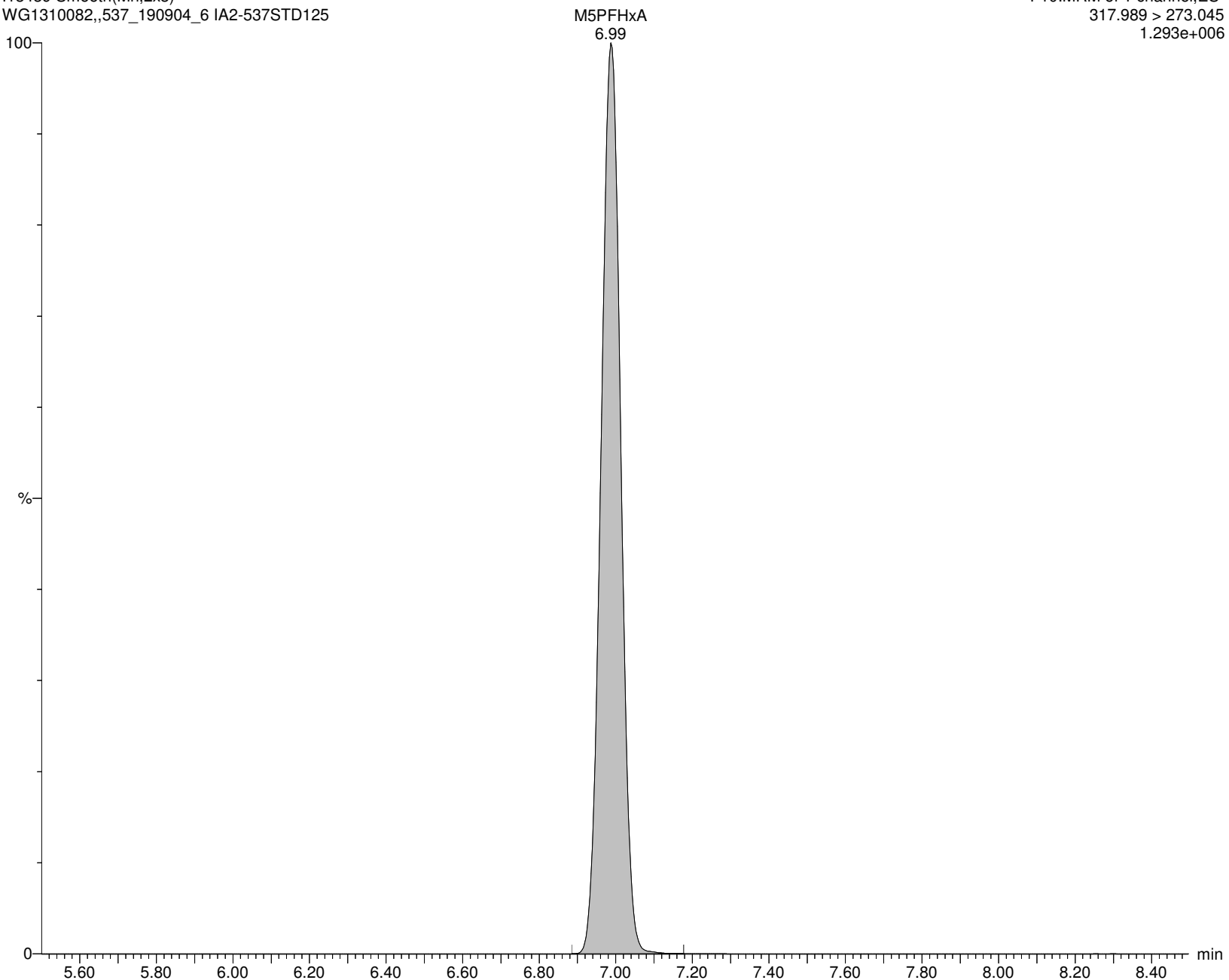
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.293e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

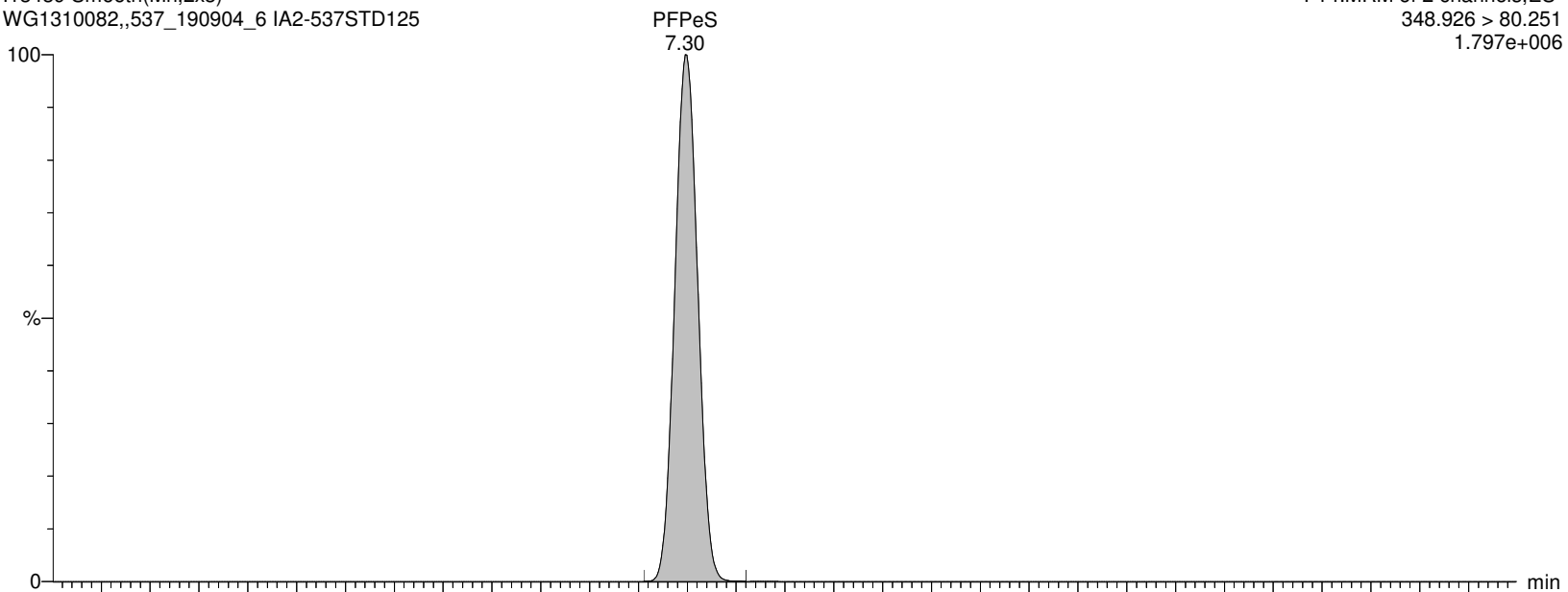
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F14:MRM of 2 channels,ES-

348.926 > 80.251

1.797e+006



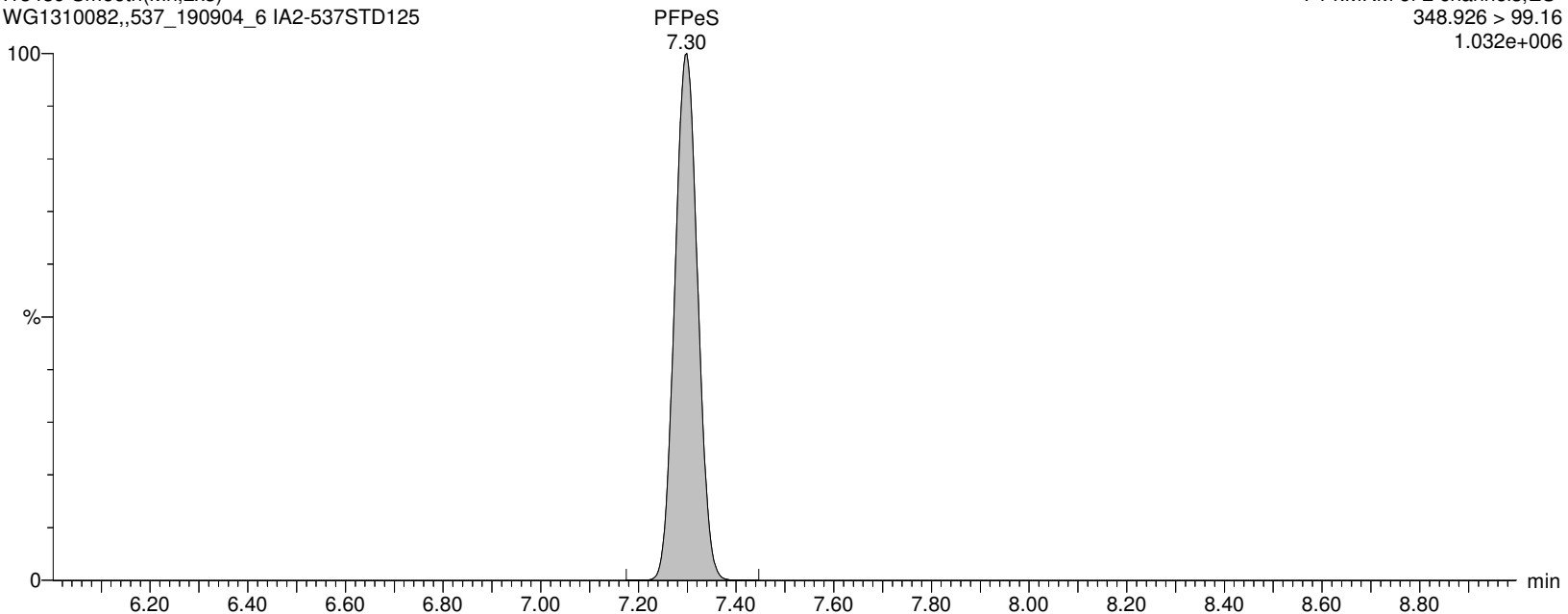
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.032e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

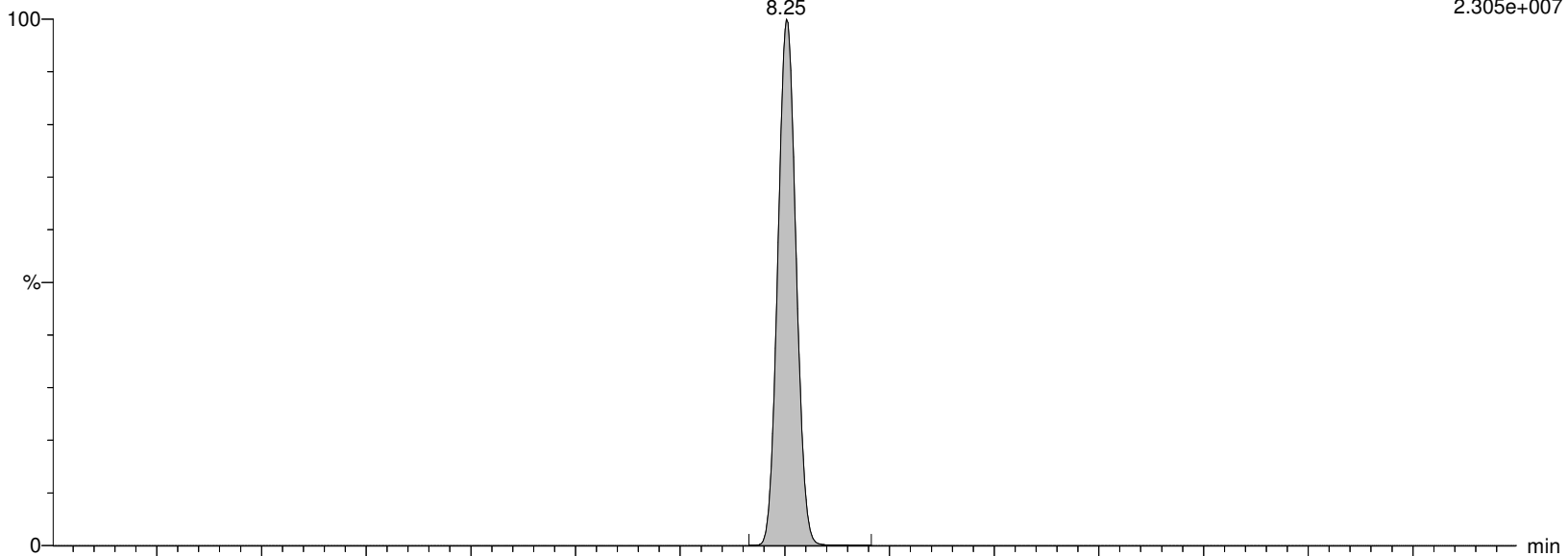
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F15:MRM of 2 channels,ES-

362.926 > 319.014

2.305e+007



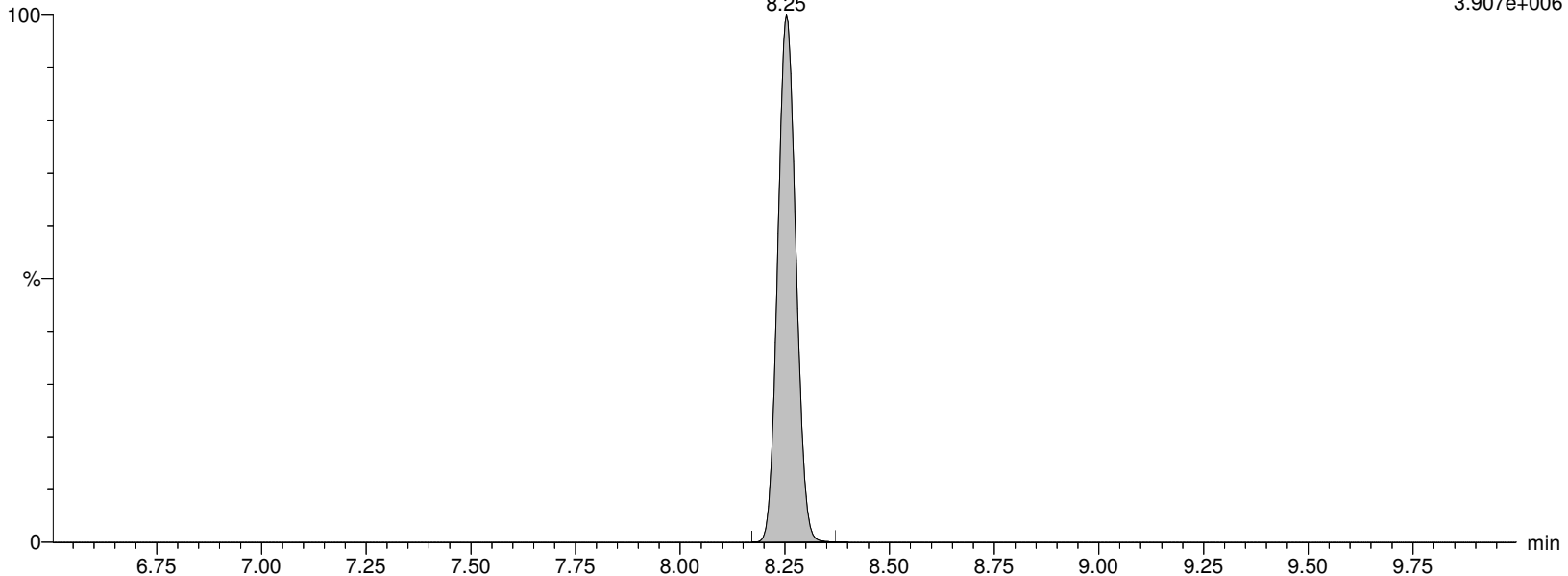
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F15:MRM of 2 channels,ES-

362.926 > 169.12

3.907e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

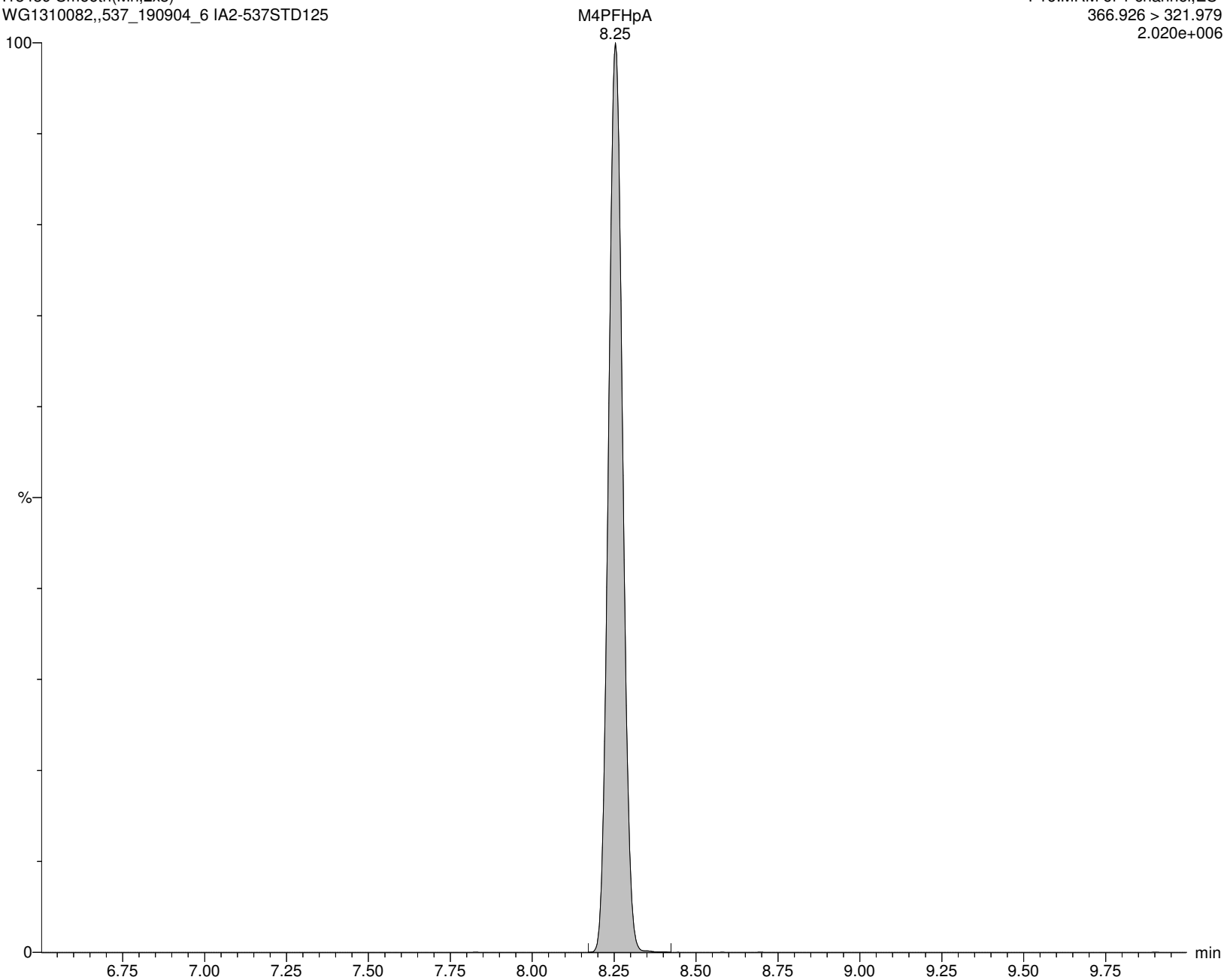
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.020e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

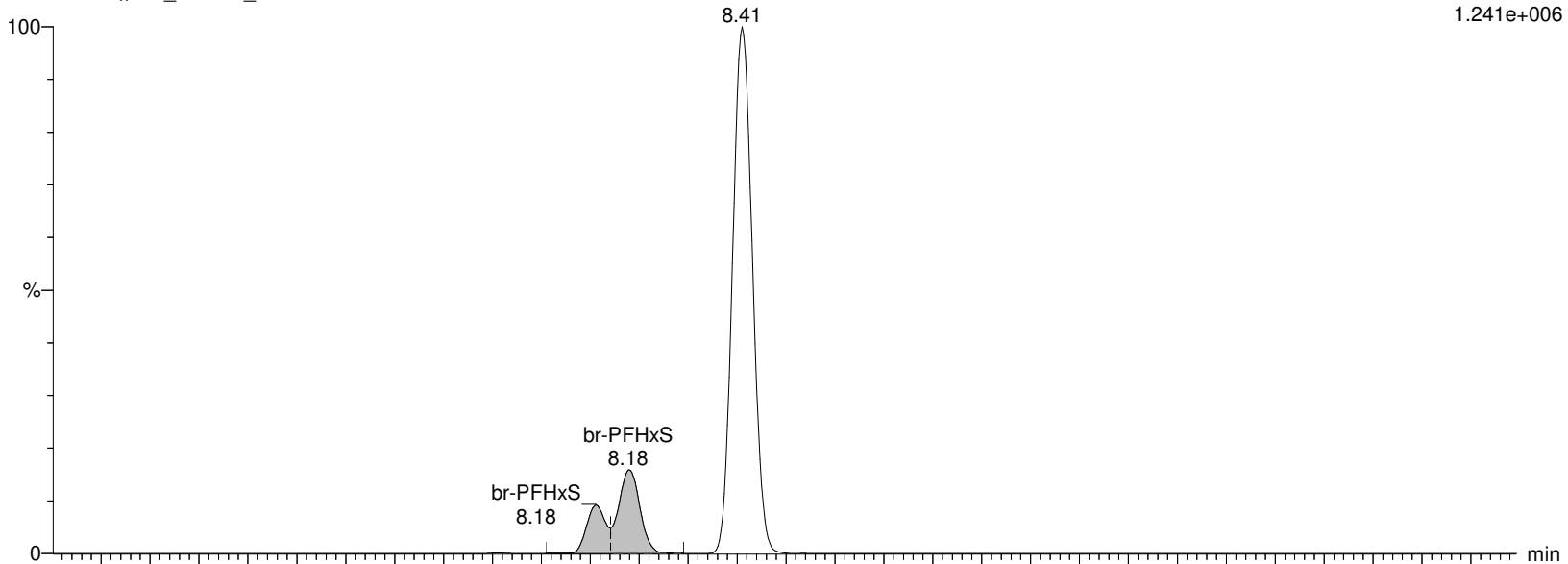
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.241e+006



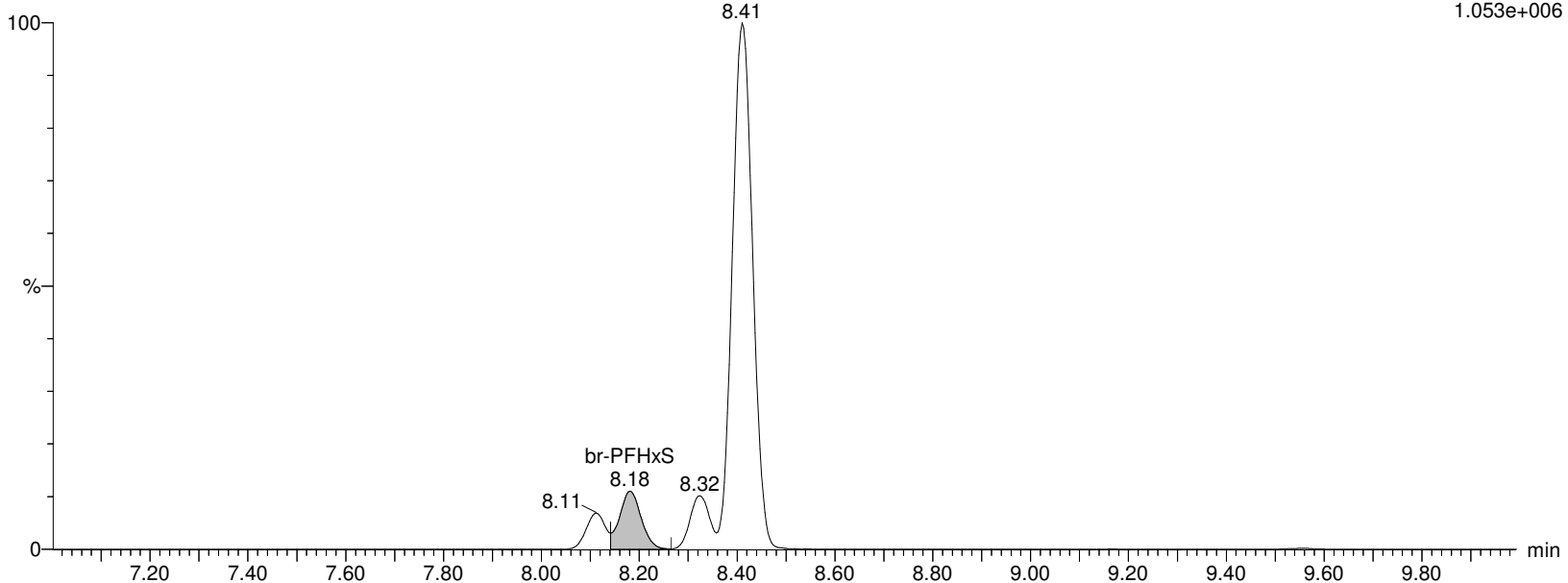
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.053e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

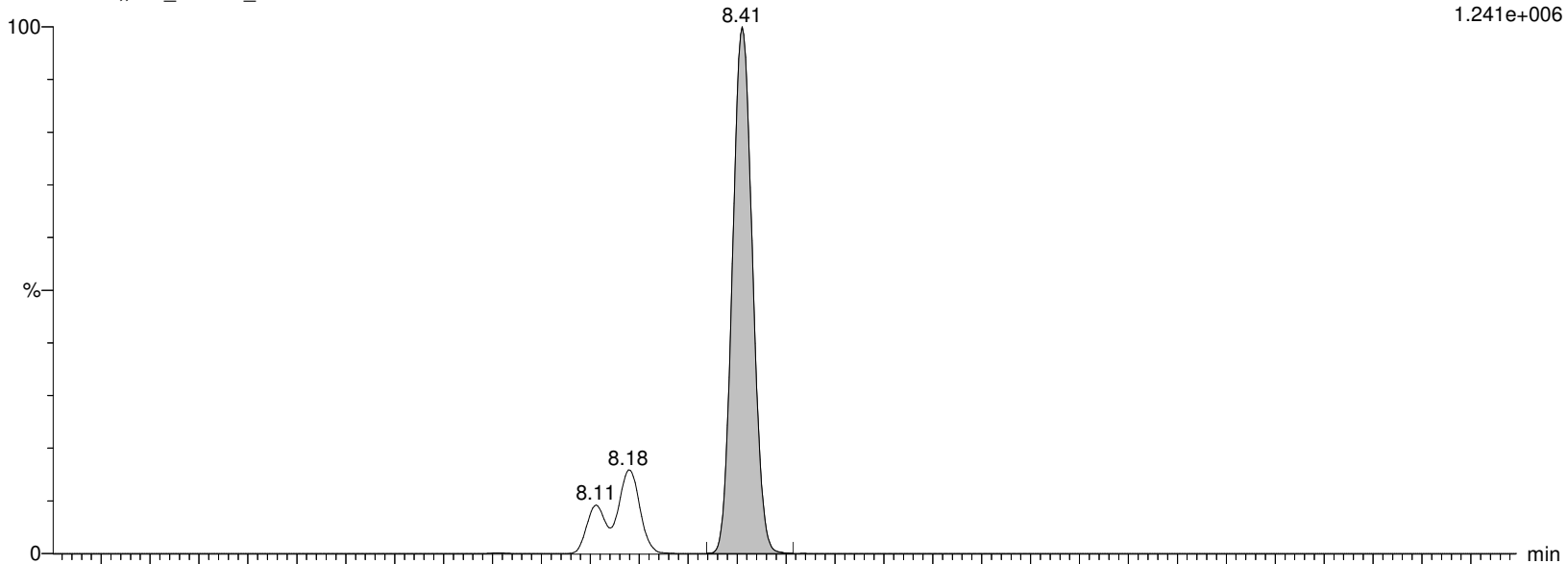
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.241e+006



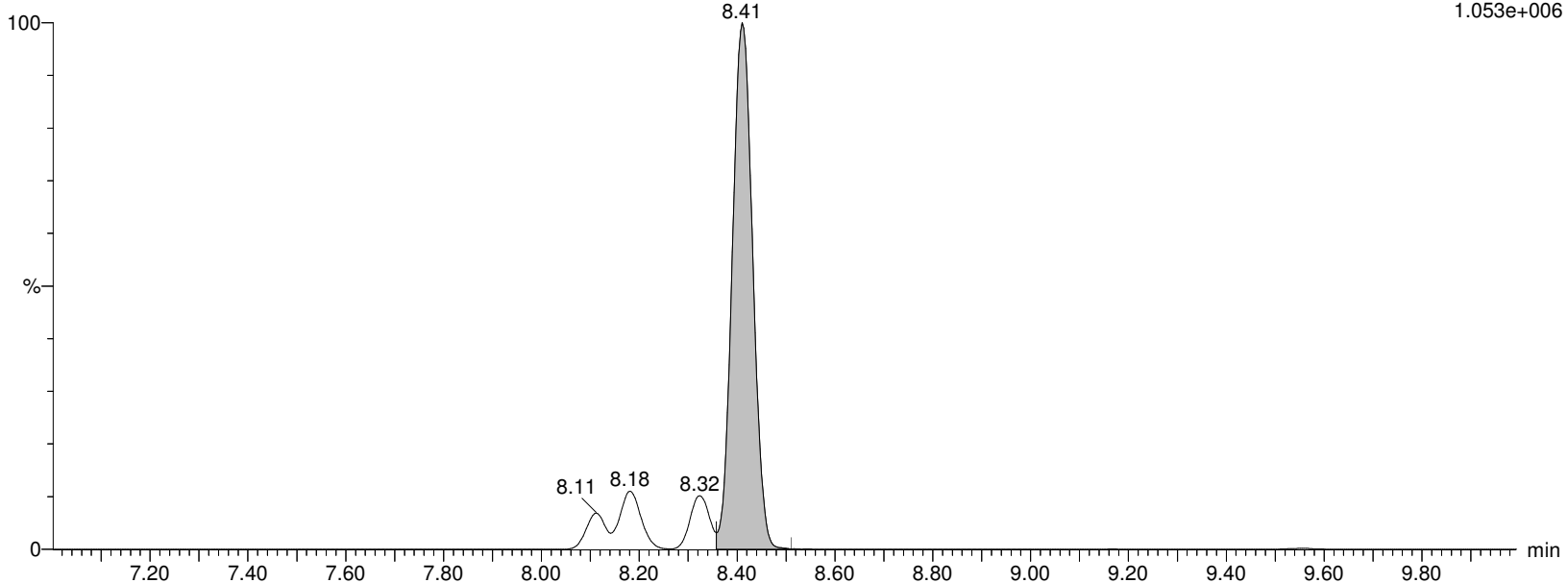
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.053e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

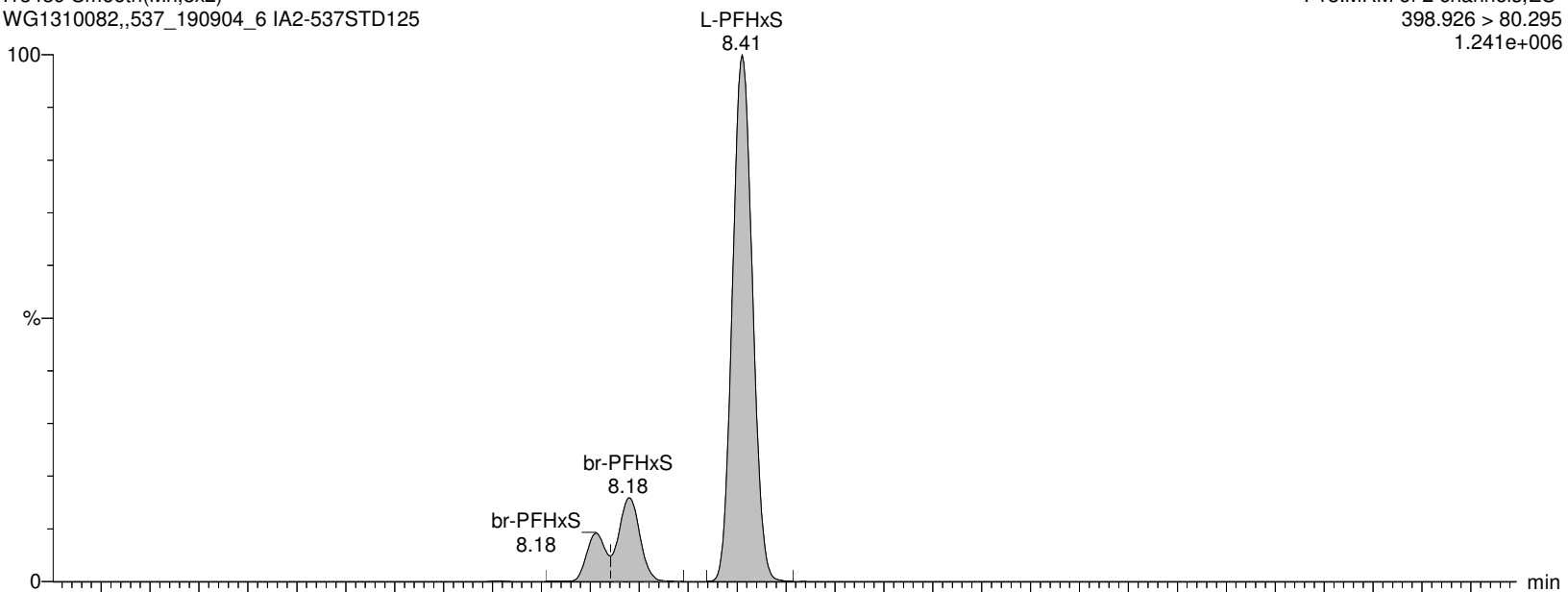
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.241e+006



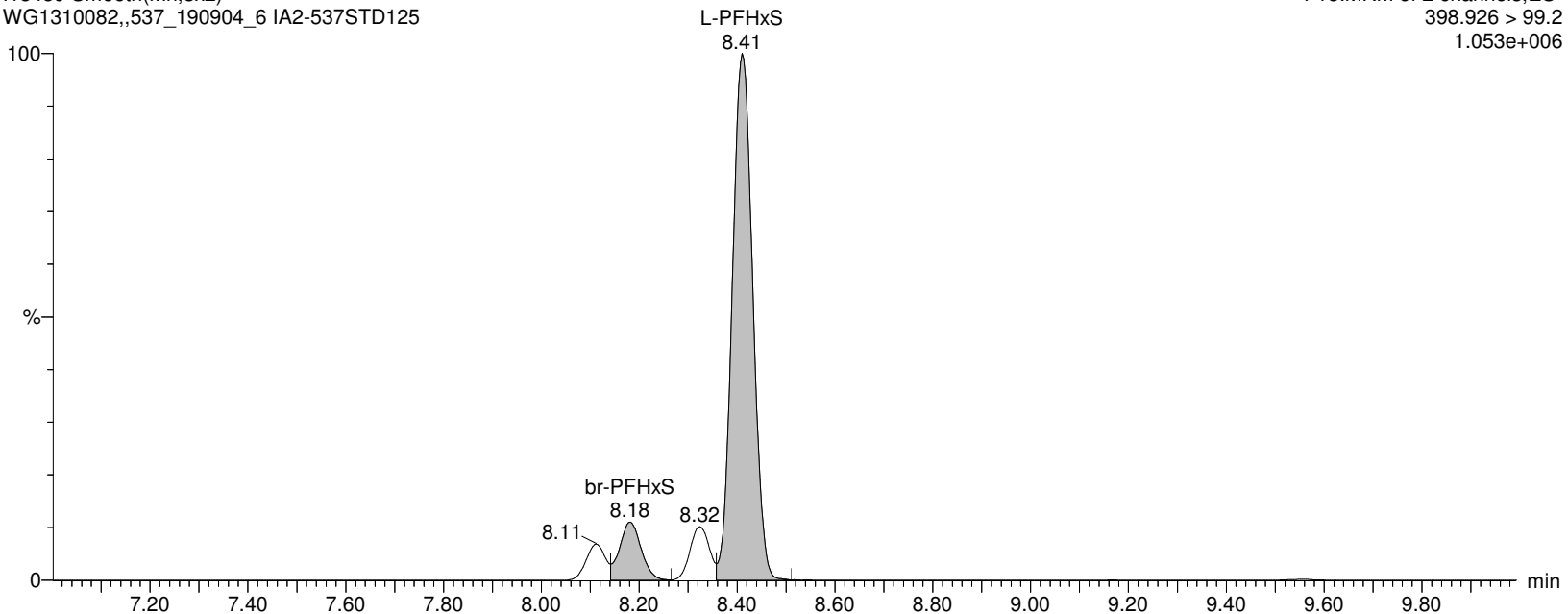
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.053e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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M3PFHxS

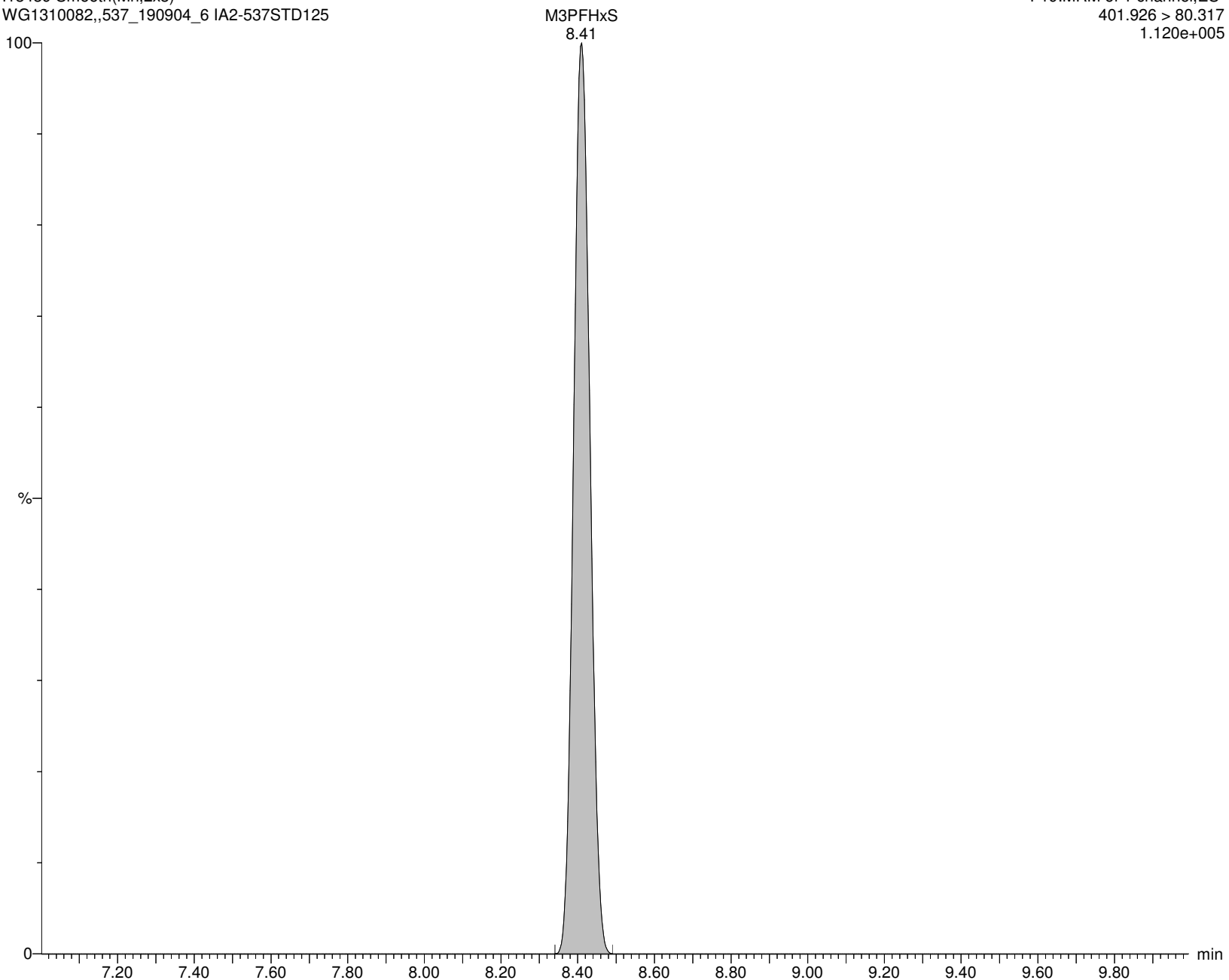
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.120e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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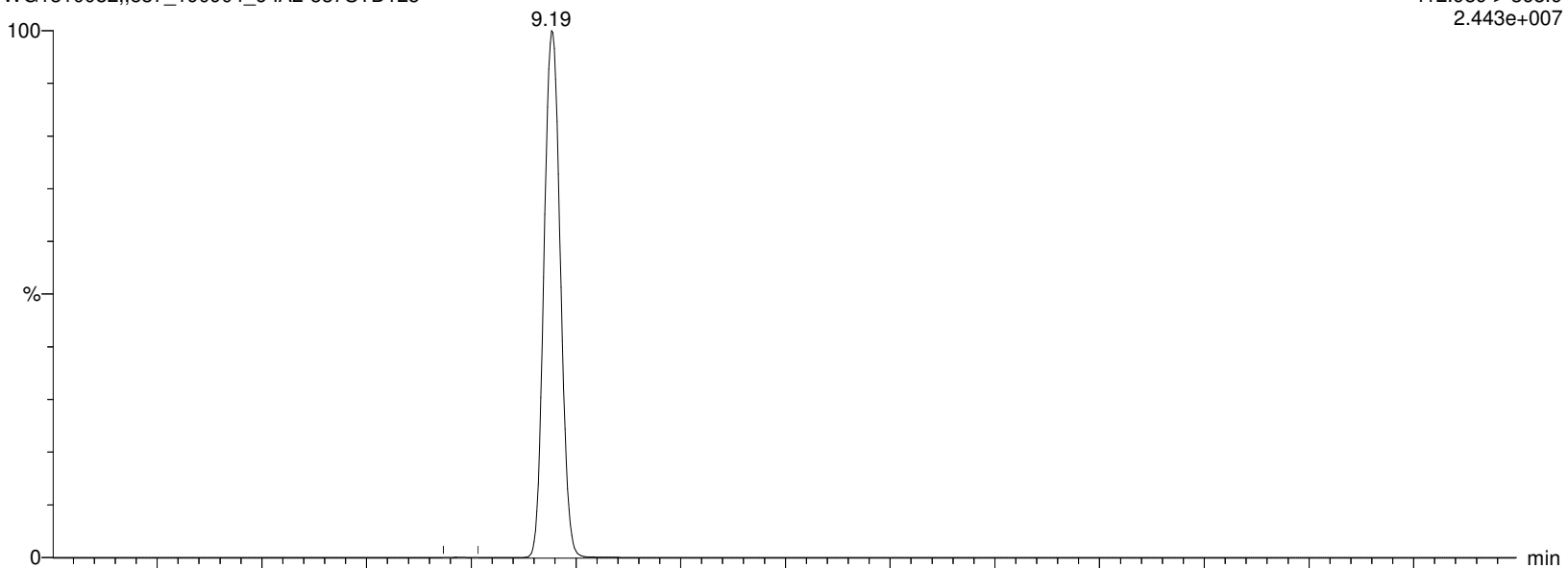
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.443e+007



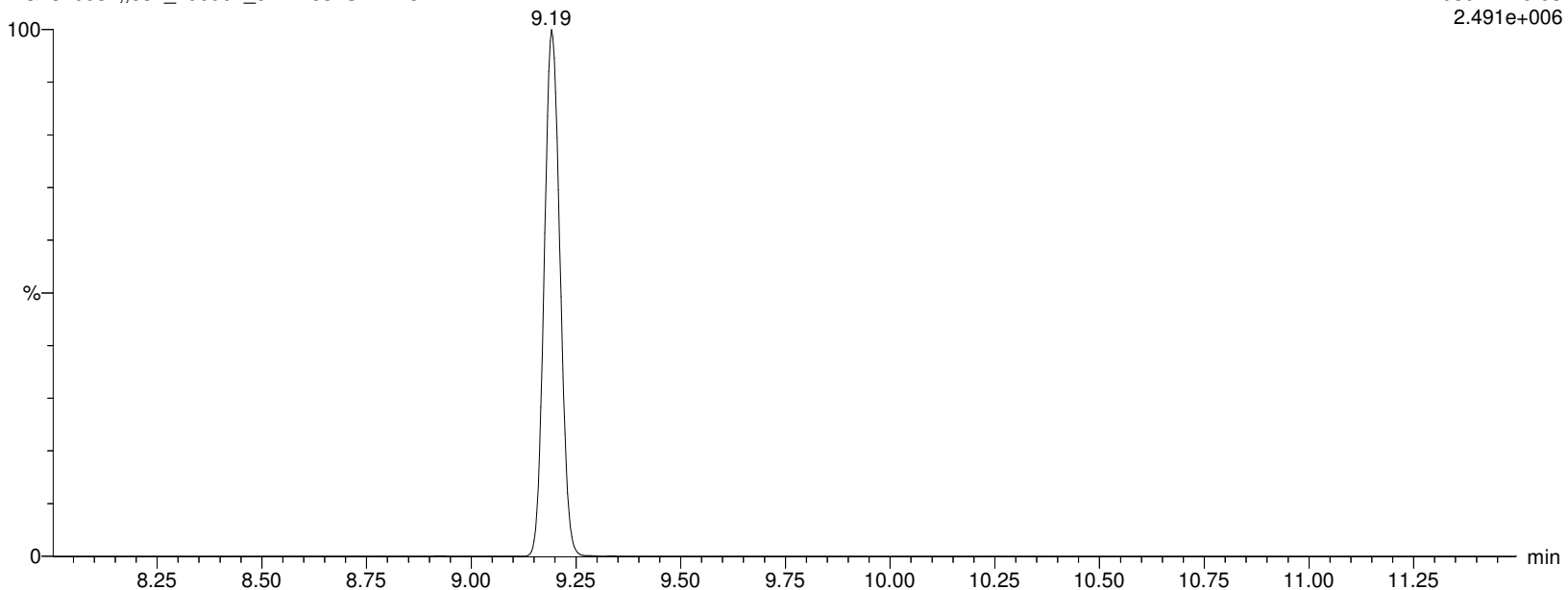
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.491e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

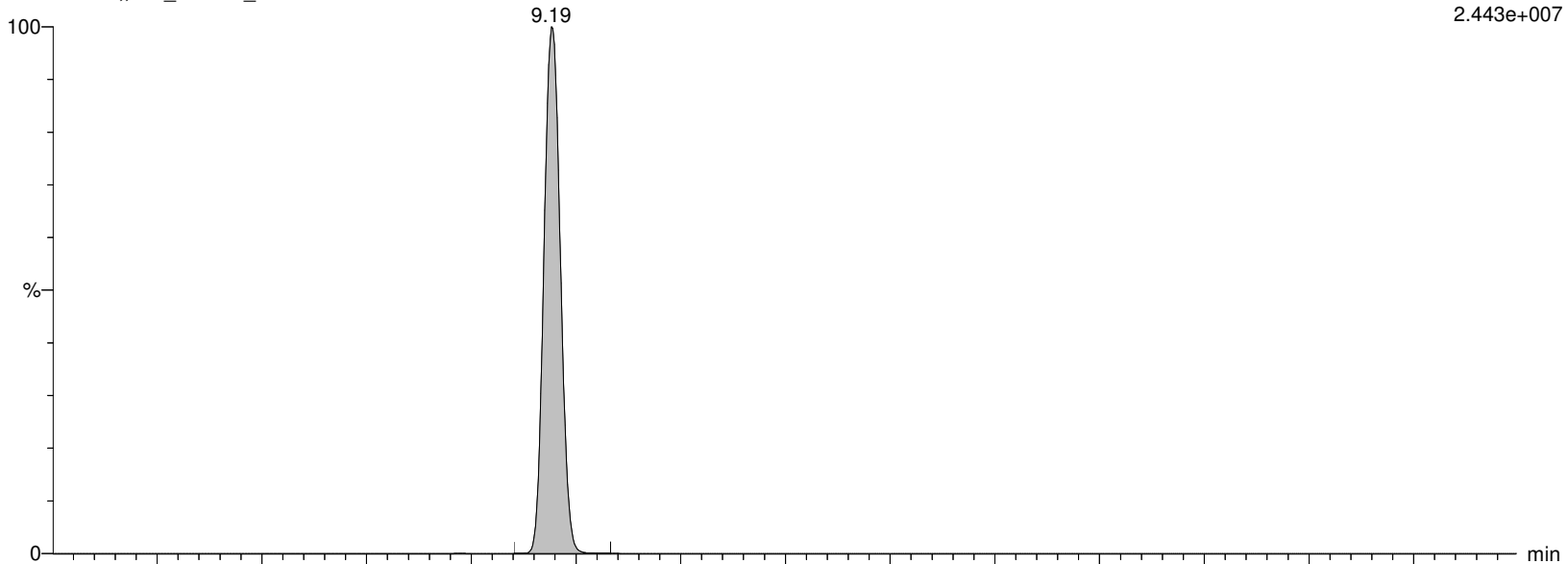
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125



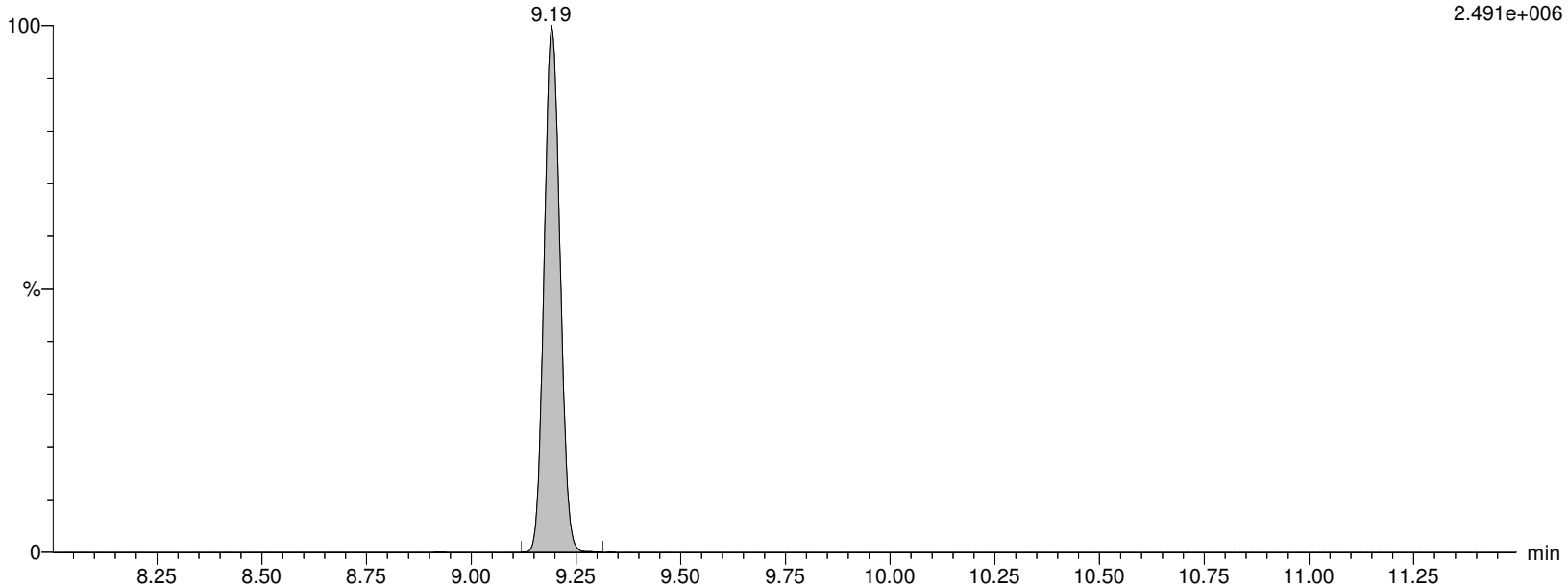
F20:MRM of 2 channels,ES-

412.989 > 368.9

2.443e+007

I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125



F20:MRM of 2 channels,ES-

412.989 > 219.08

2.491e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

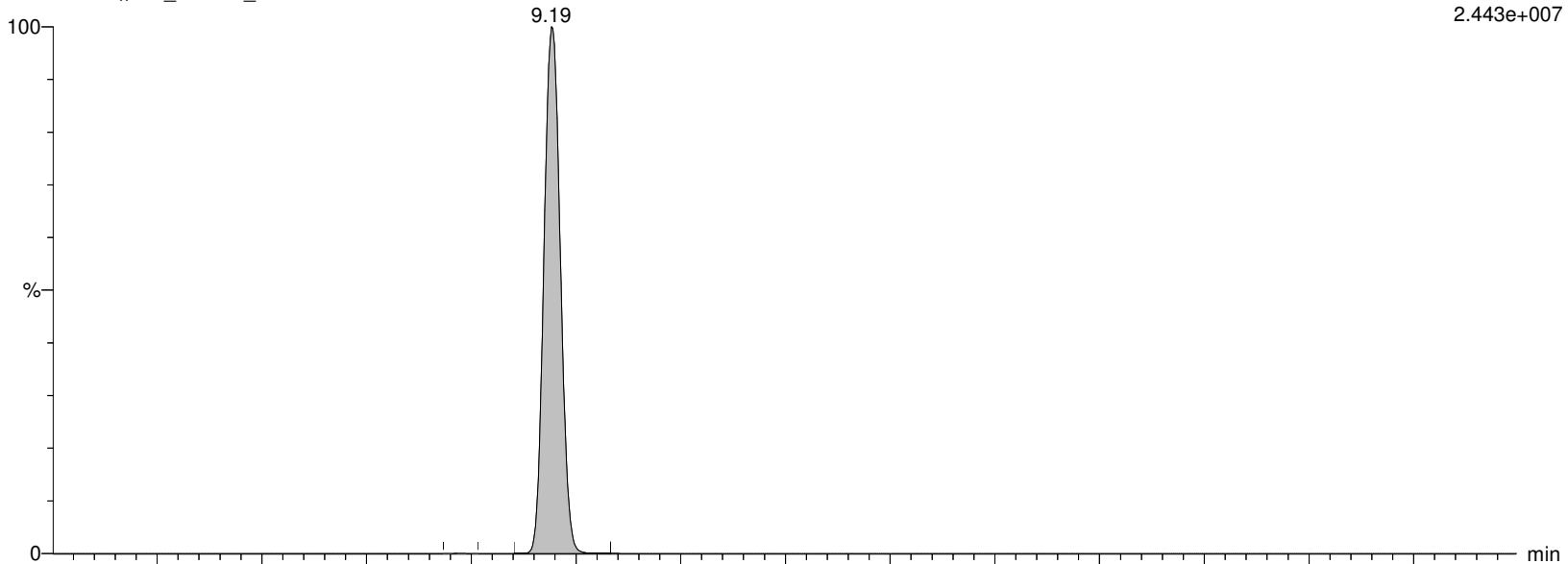
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125



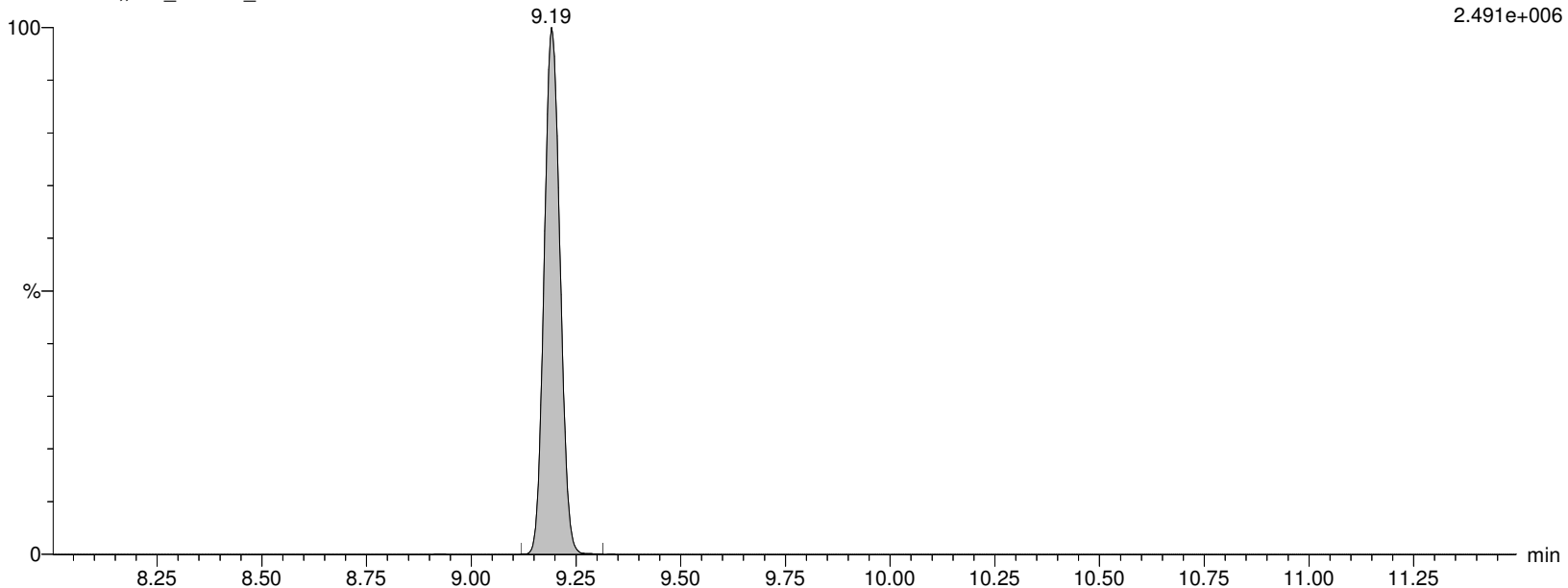
F20:MRM of 2 channels,ES-

412.989 > 368.9

2.443e+007

I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125



F20:MRM of 2 channels,ES-

412.989 > 219.08

2.491e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13439 Smooth(Mn,2x3)

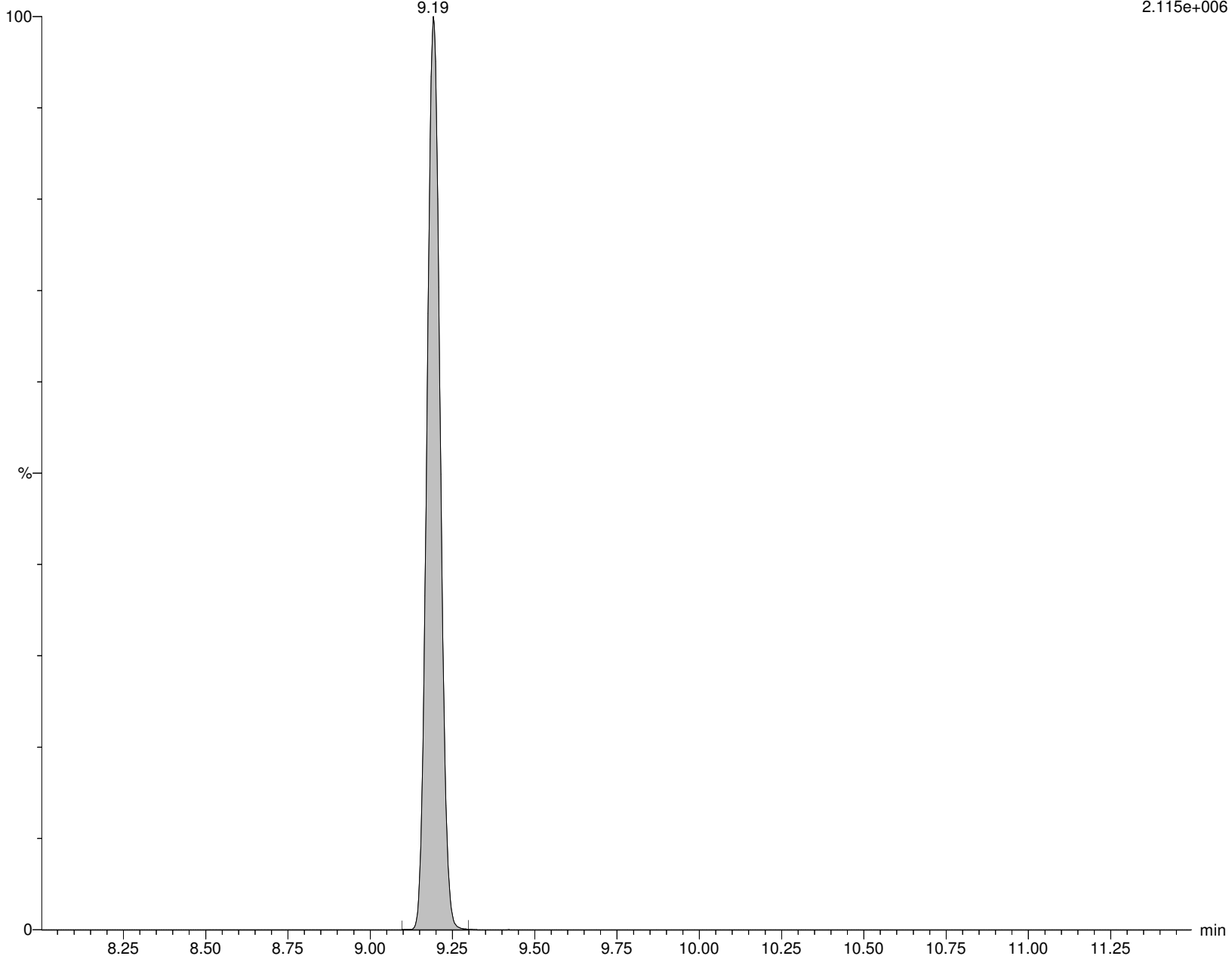
WG1310082,,537_190904_6 IA2-537STD125

M8PFOA
9.19

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.115e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13439 Smooth(Mn,2x2)

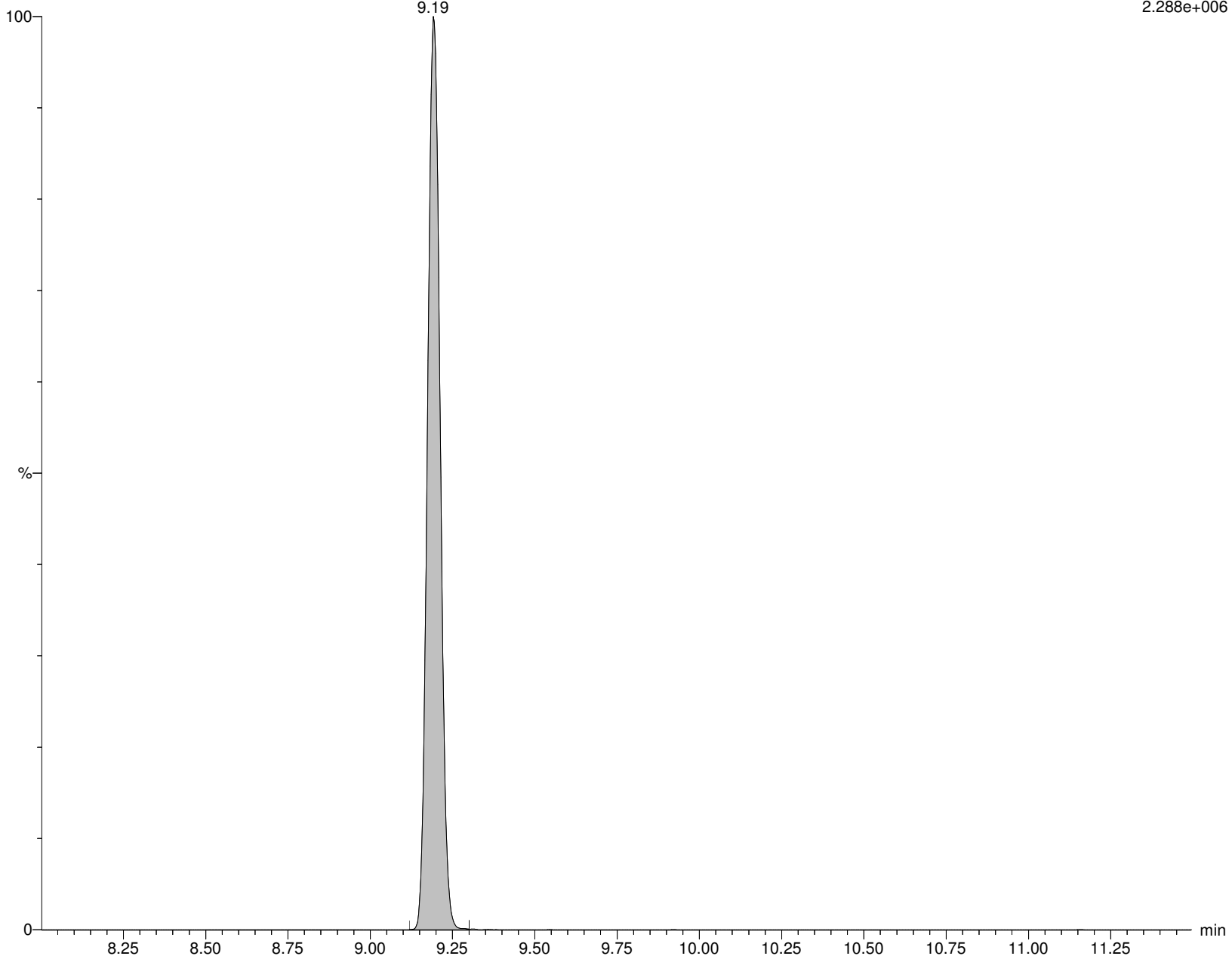
WG1310082,,537_190904_6 IA2-537STD125

M2PFOA
9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.288e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

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Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

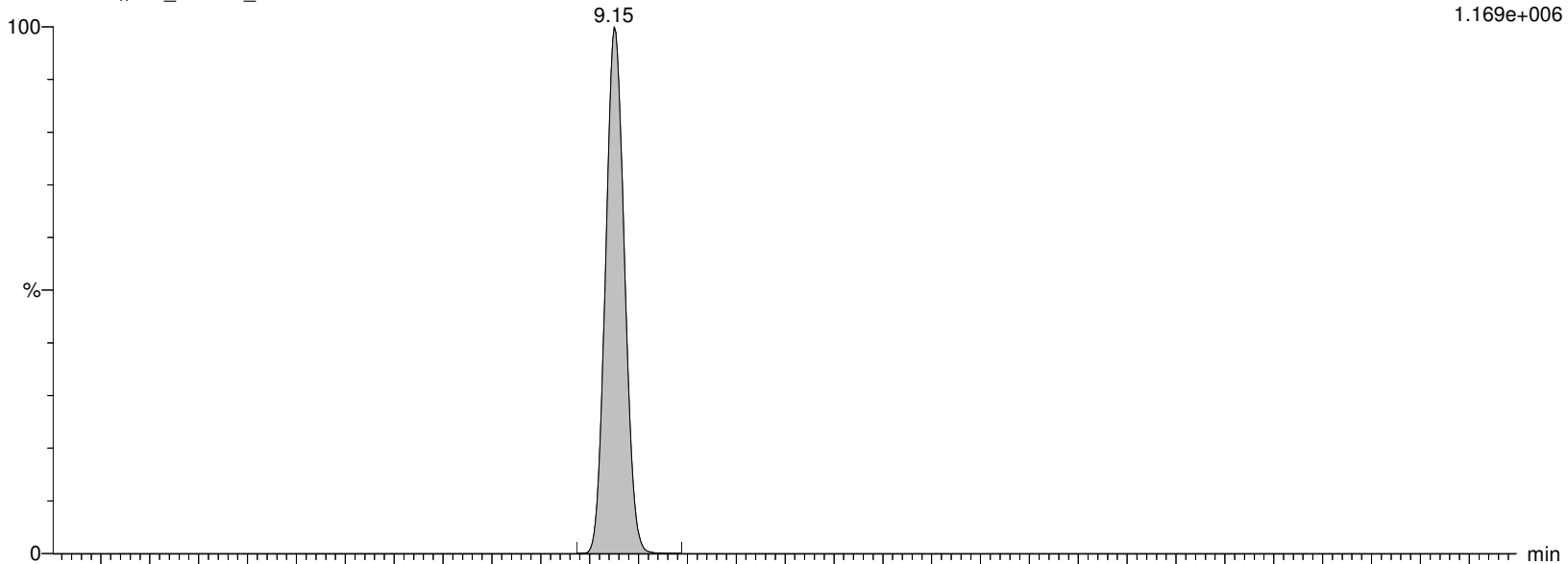
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F23:MRM of 3 channels,ES-

426.989 > 406.921

1.169e+006



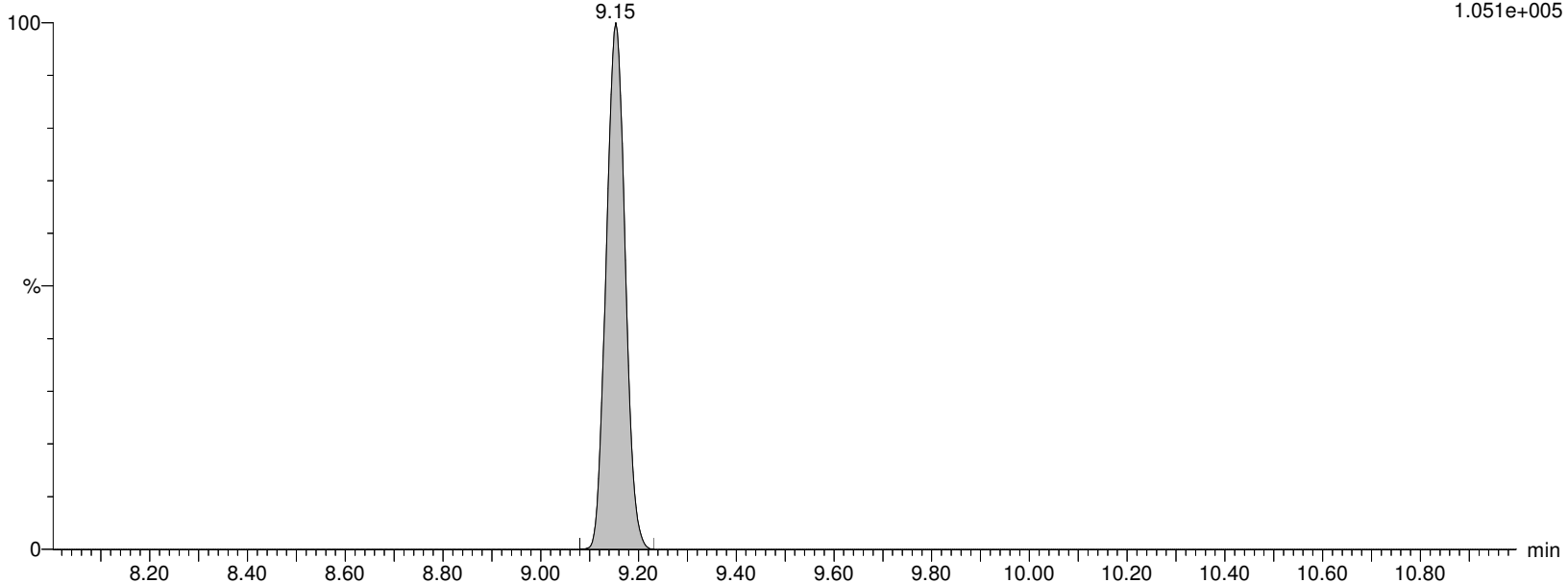
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F23:MRM of 3 channels,ES-

426.862 > 80.5

1.051e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

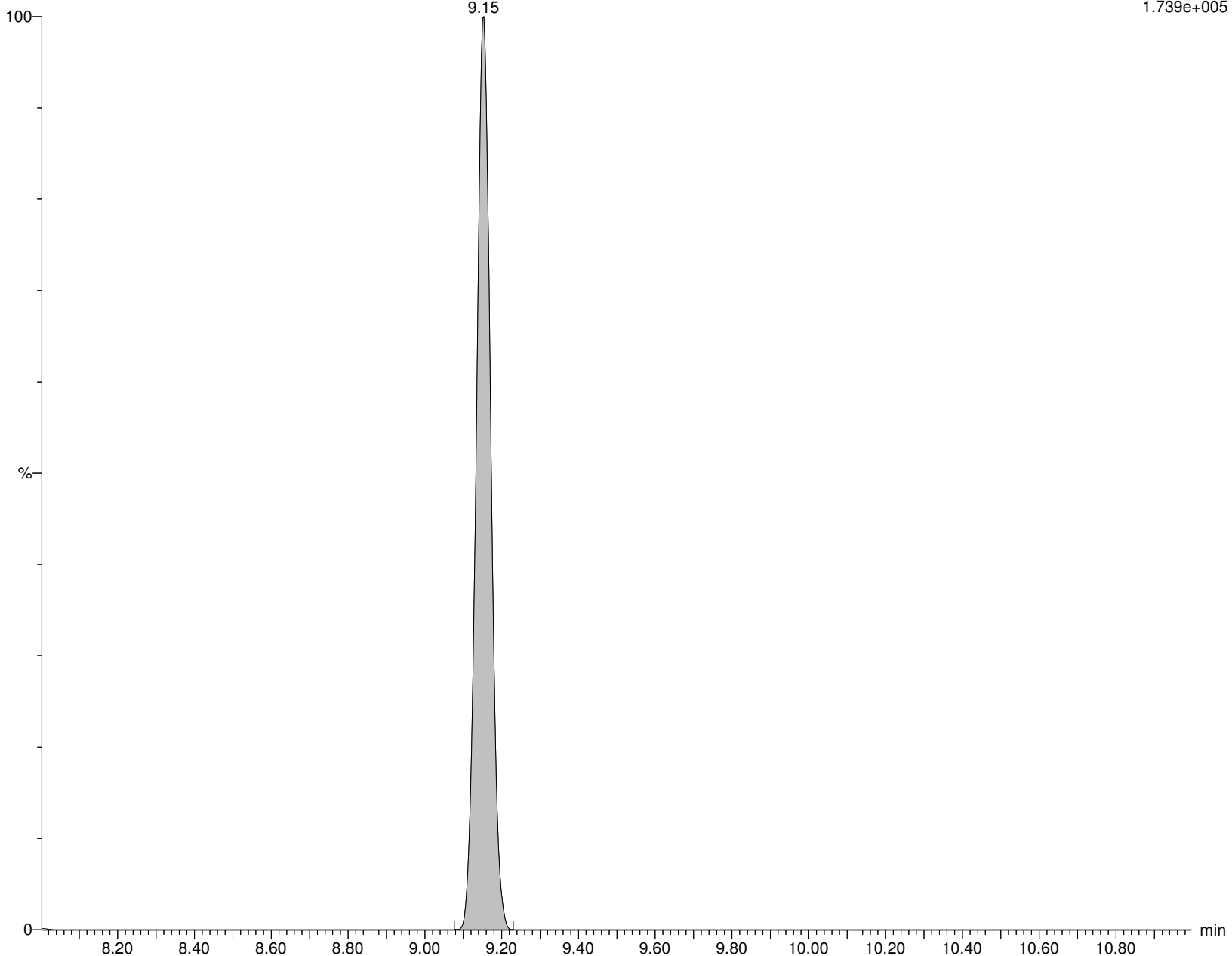
M2-6:2FTS

9.15

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.739e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

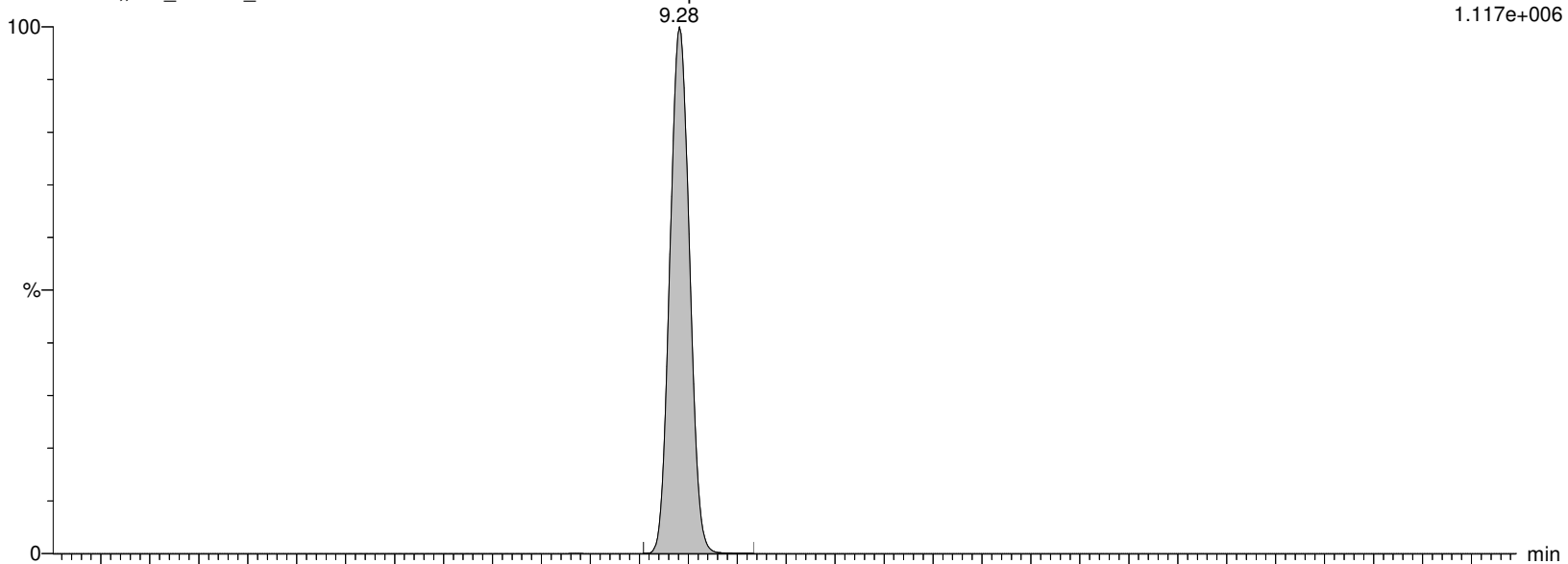
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.117e+006



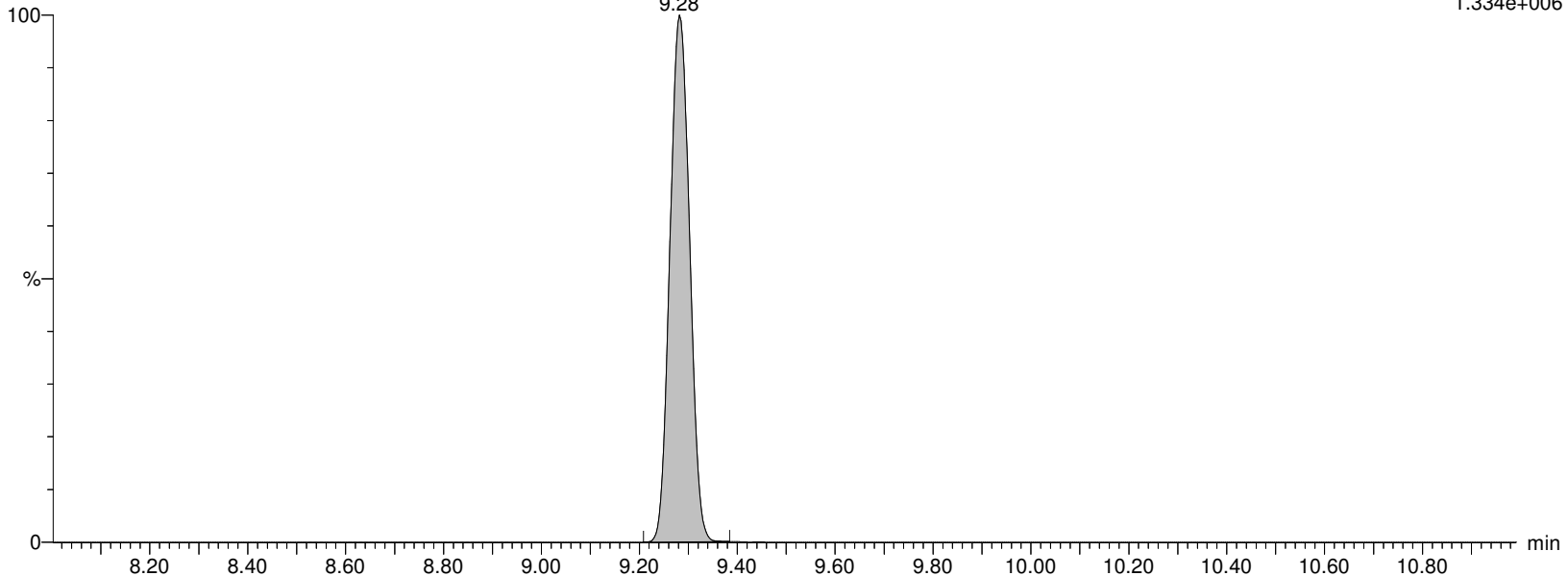
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.334e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

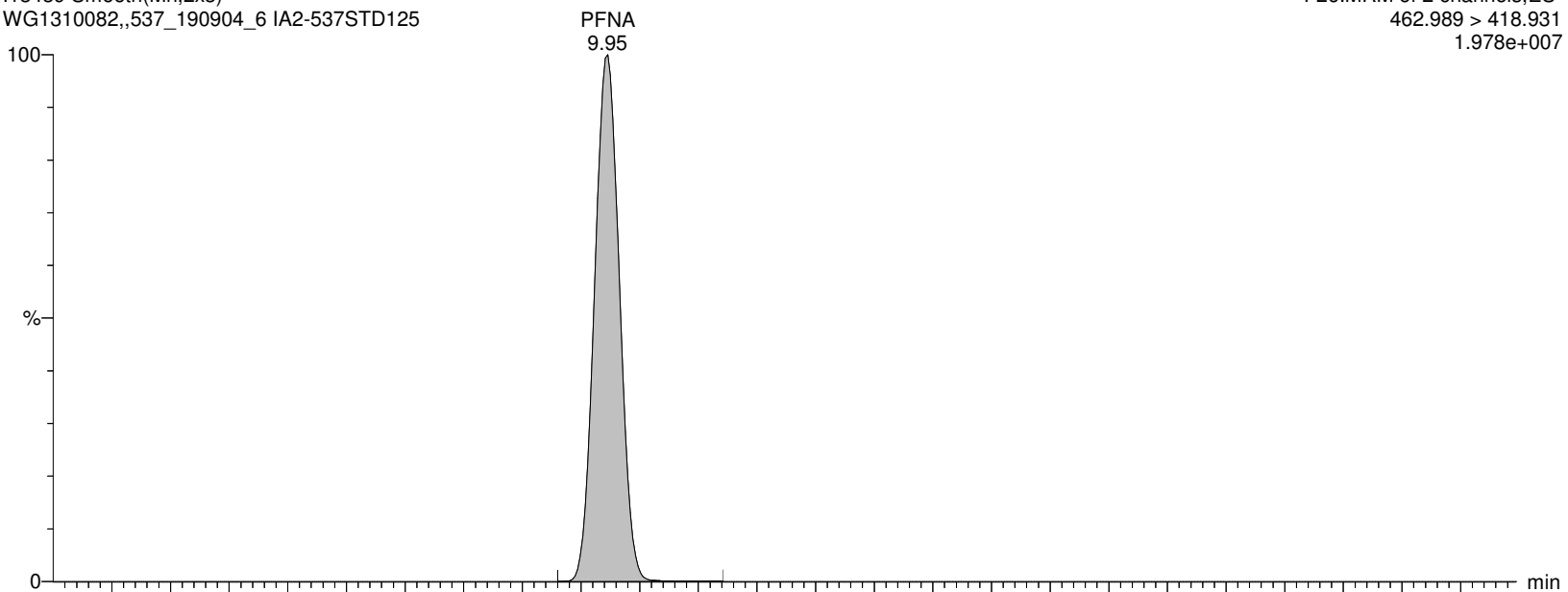
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F26:MRM of 2 channels,ES-

462.989 > 418.931

1.978e+007



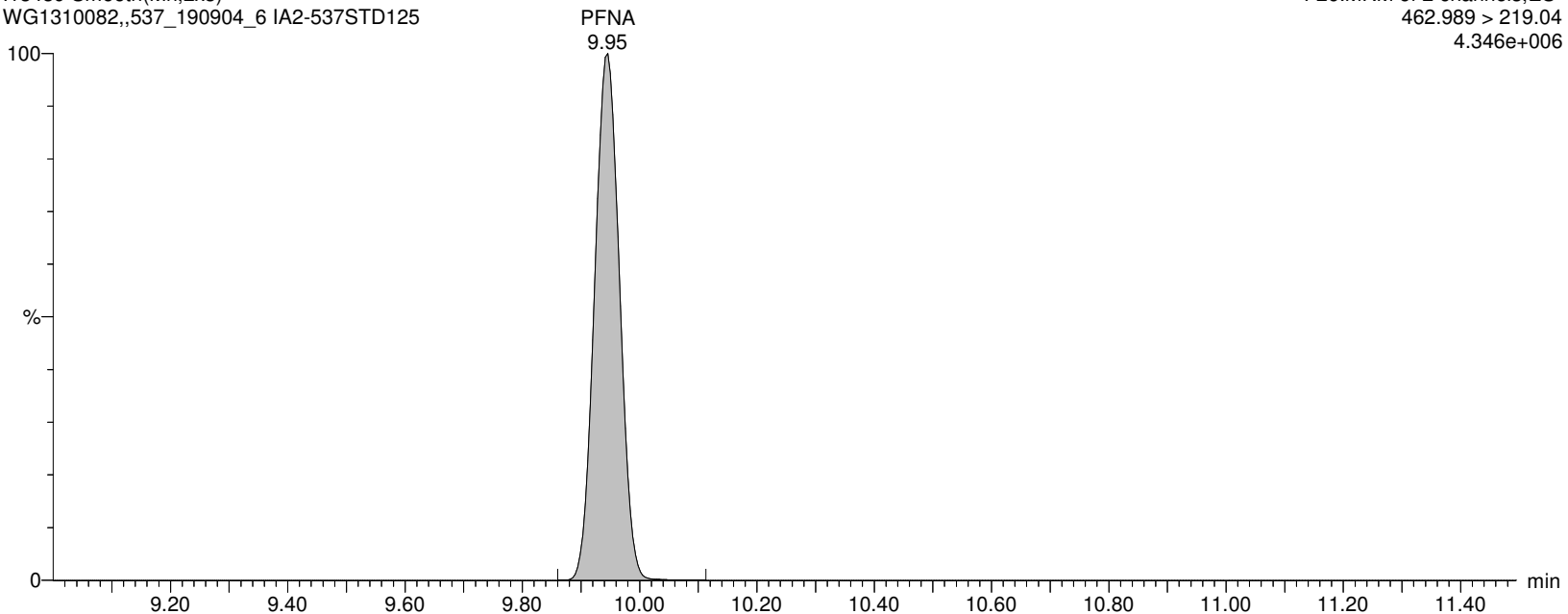
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F26:MRM of 2 channels,ES-

462.989 > 219.04

4.346e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M9PFNA

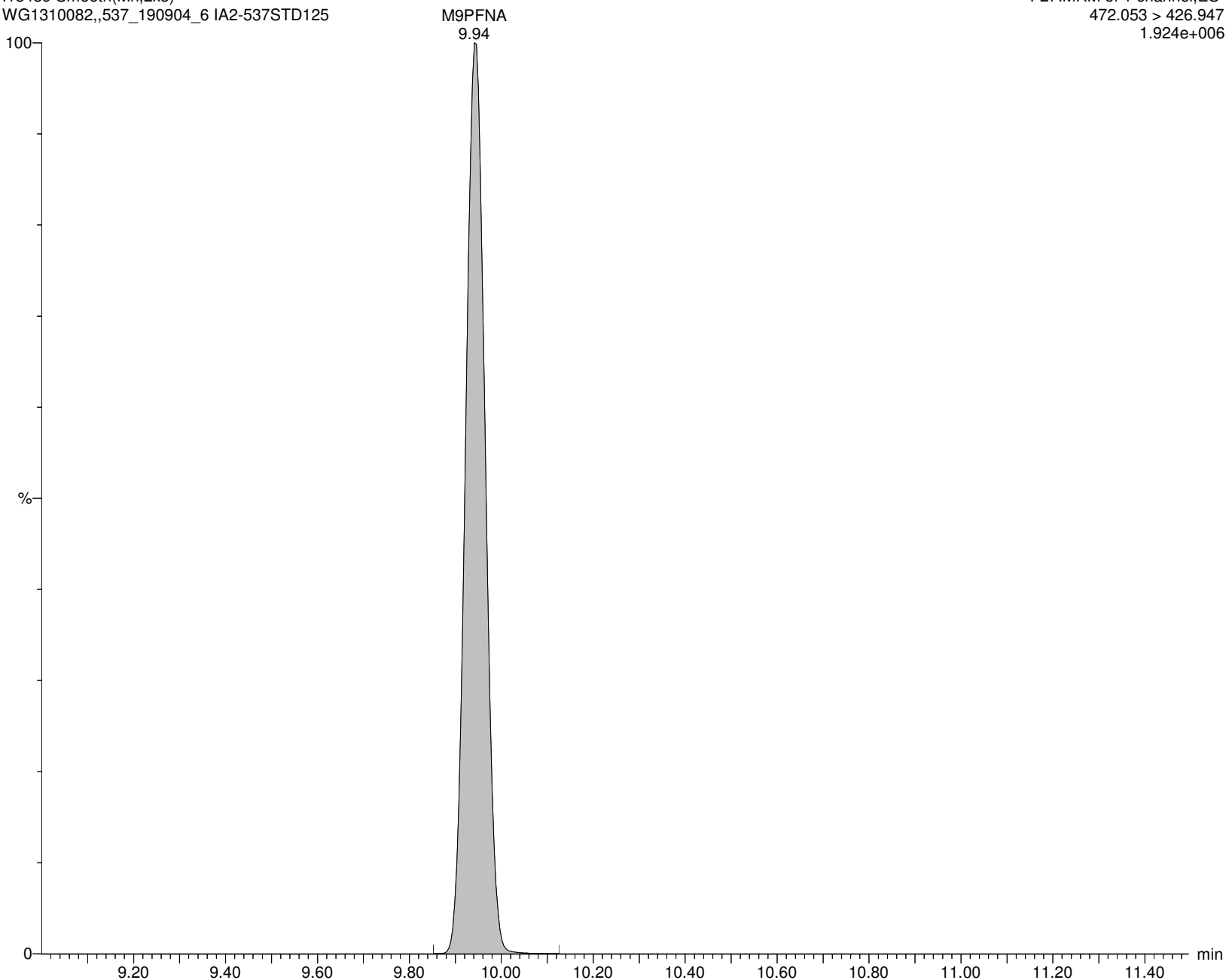
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F27:MRM of 1 channel,ES-

472.053 > 426.947

1.924e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

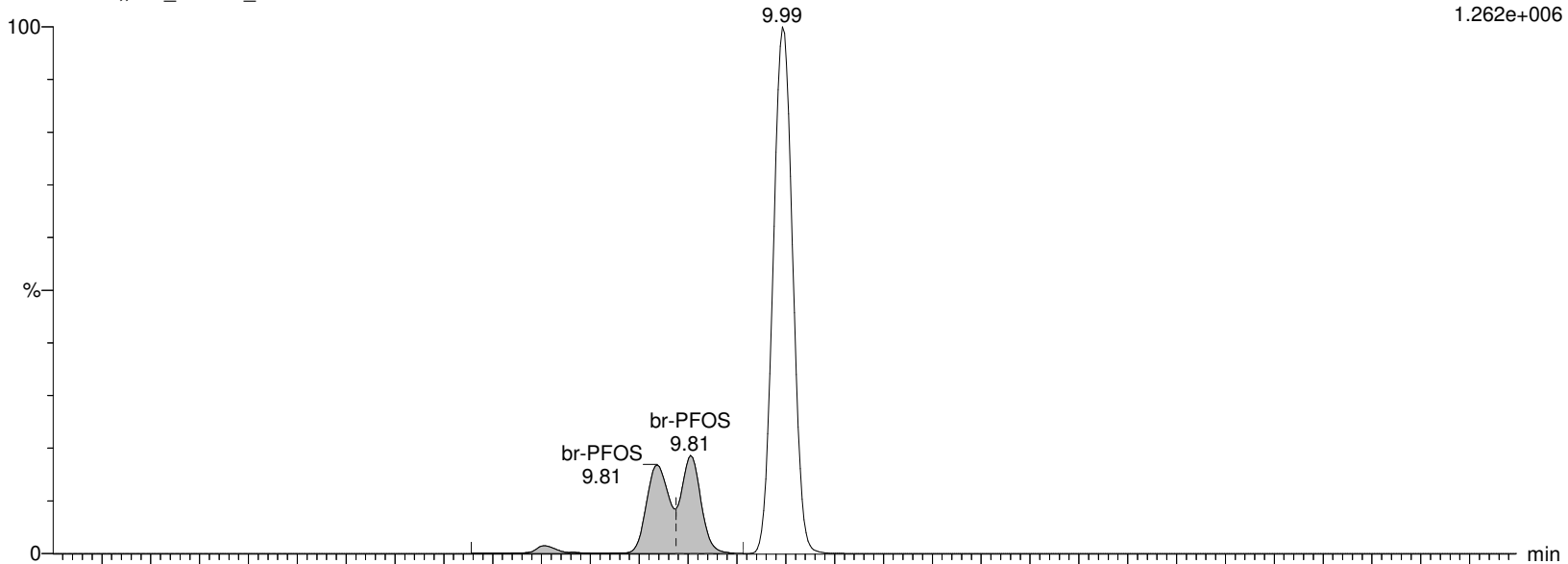
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.262e+006



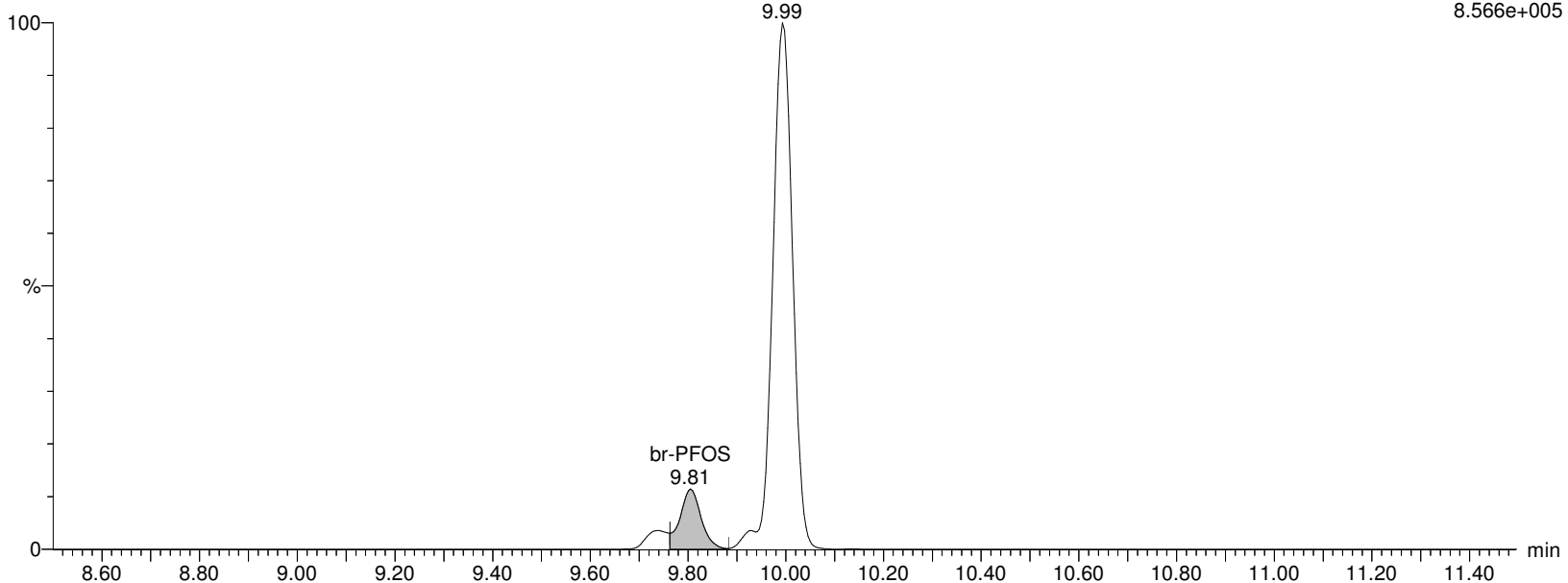
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.566e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

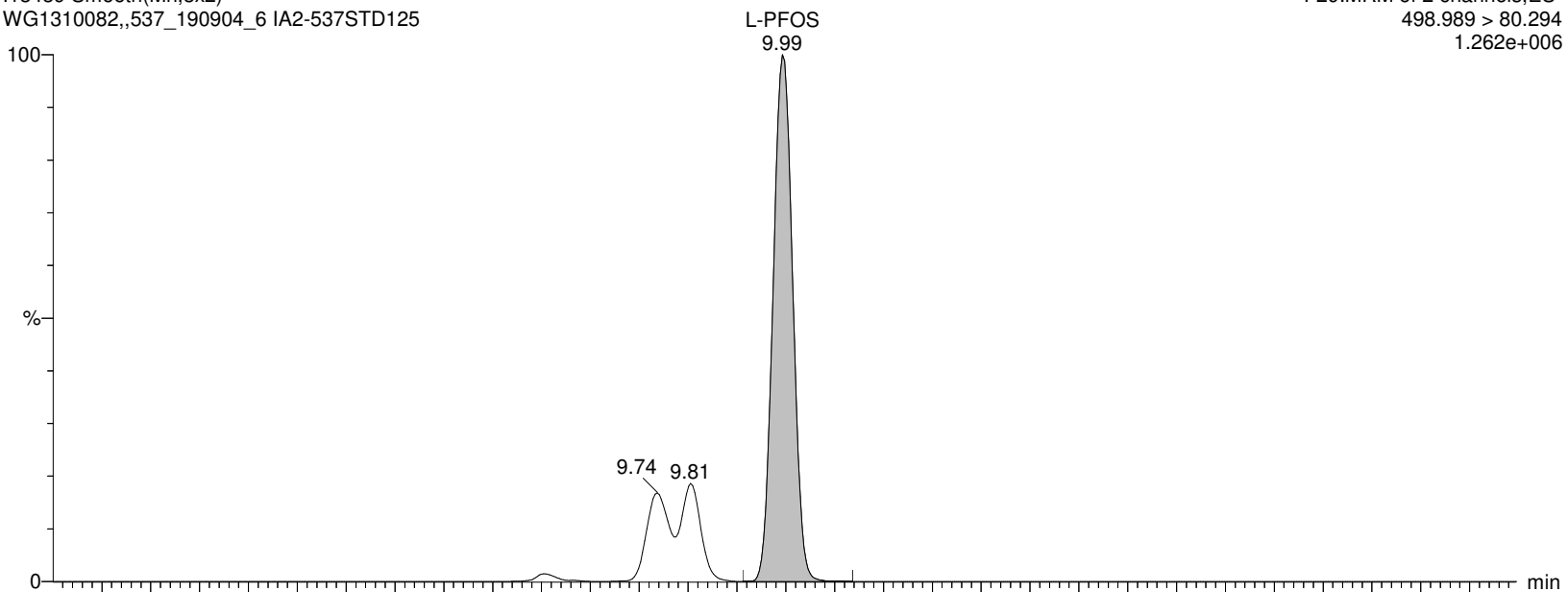
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.262e+006



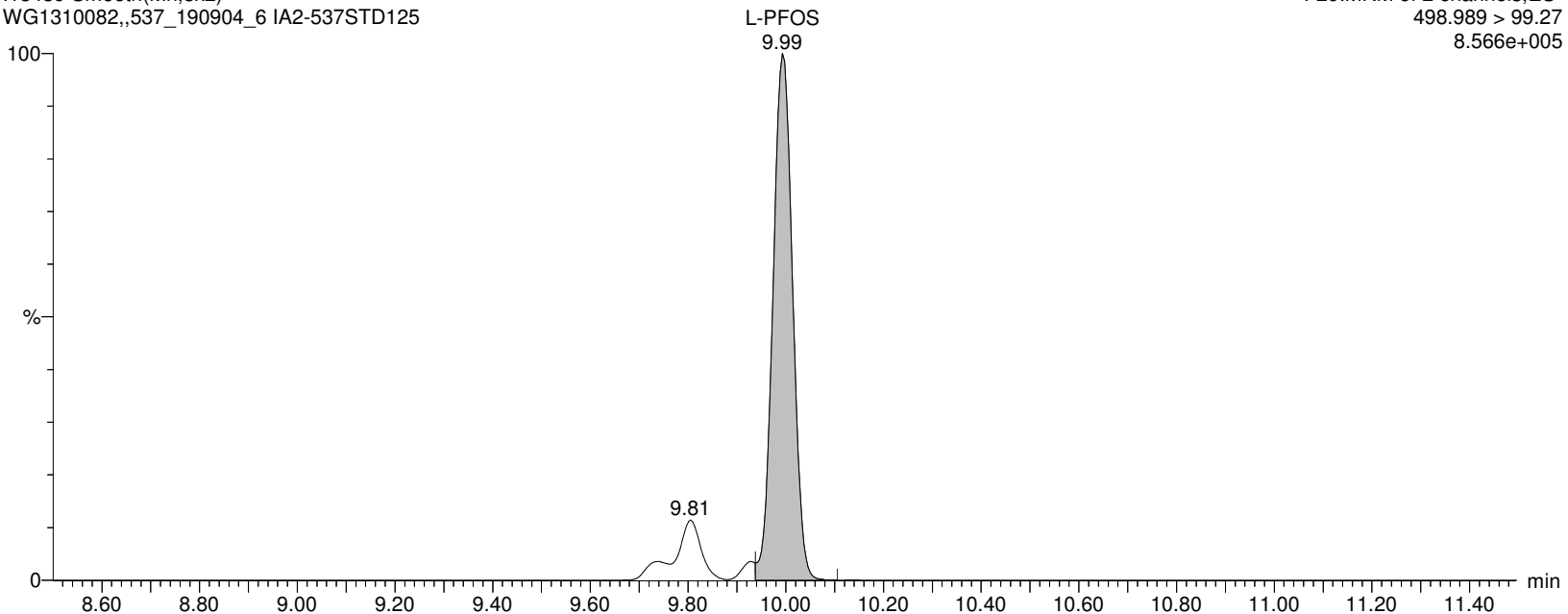
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.566e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

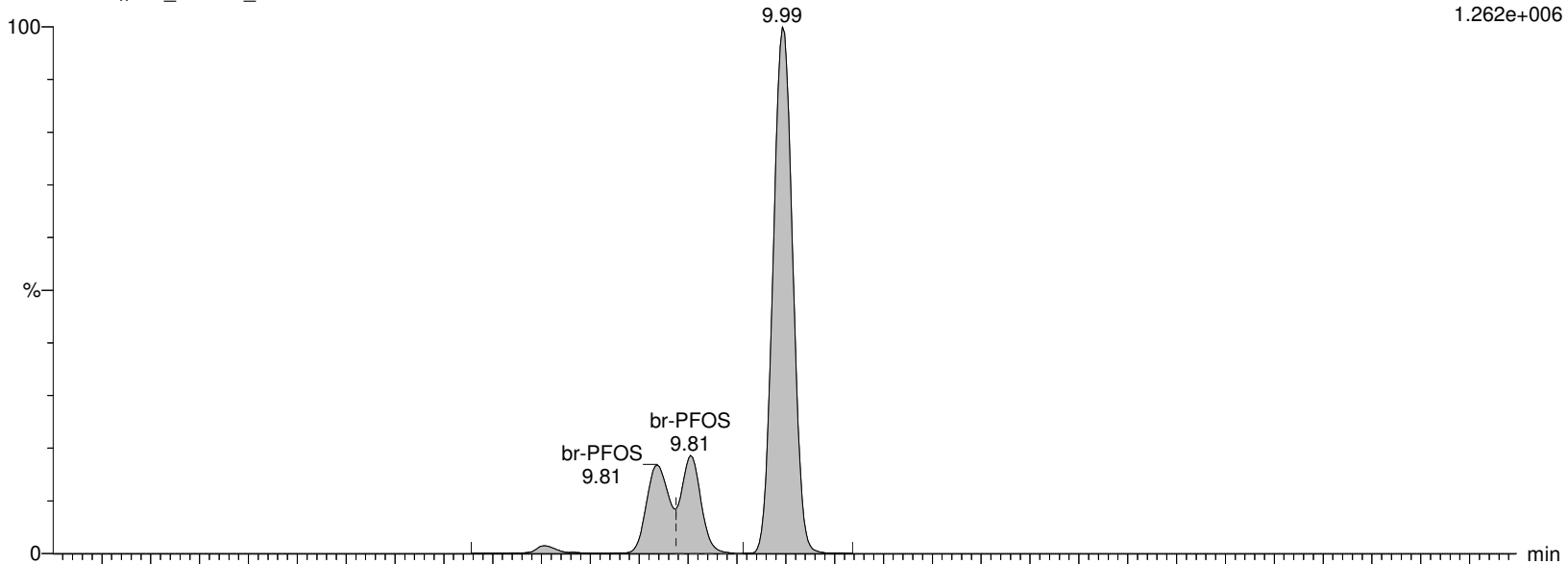
I13439 Smooth(Mn,3x2)

WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.262e+006



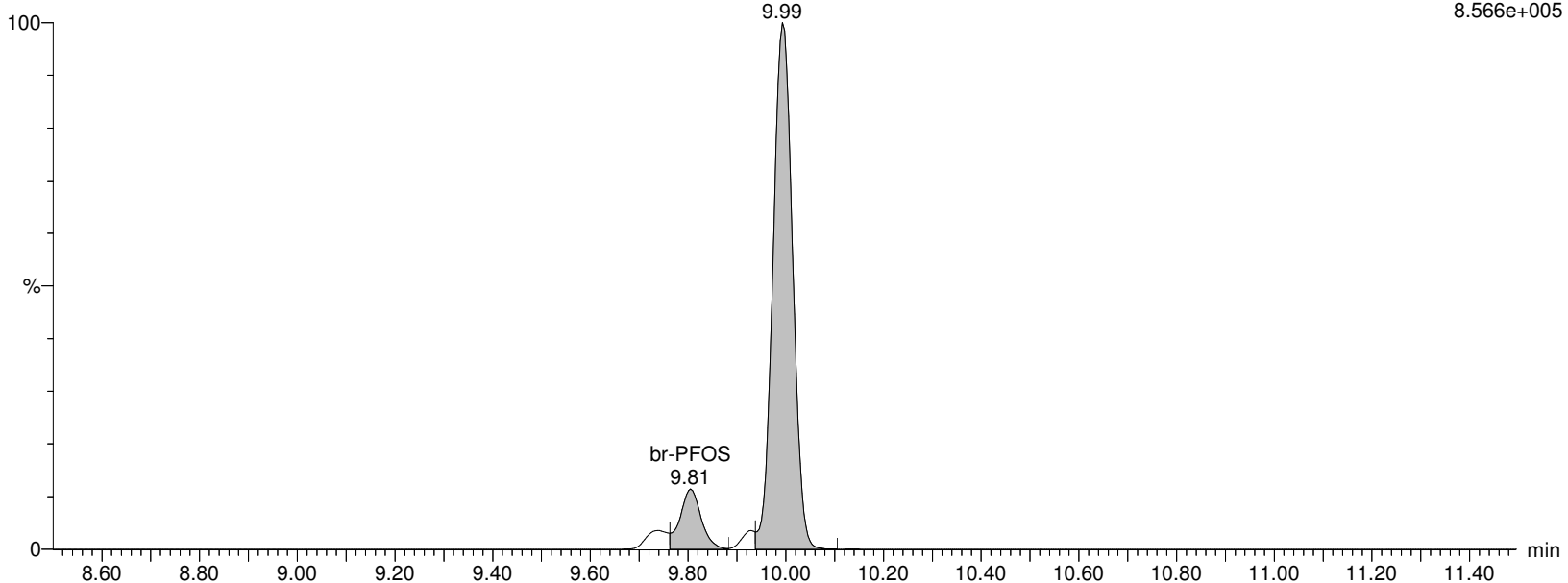
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WG1310082,,537_190904_6 IA2-537STD125

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.566e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

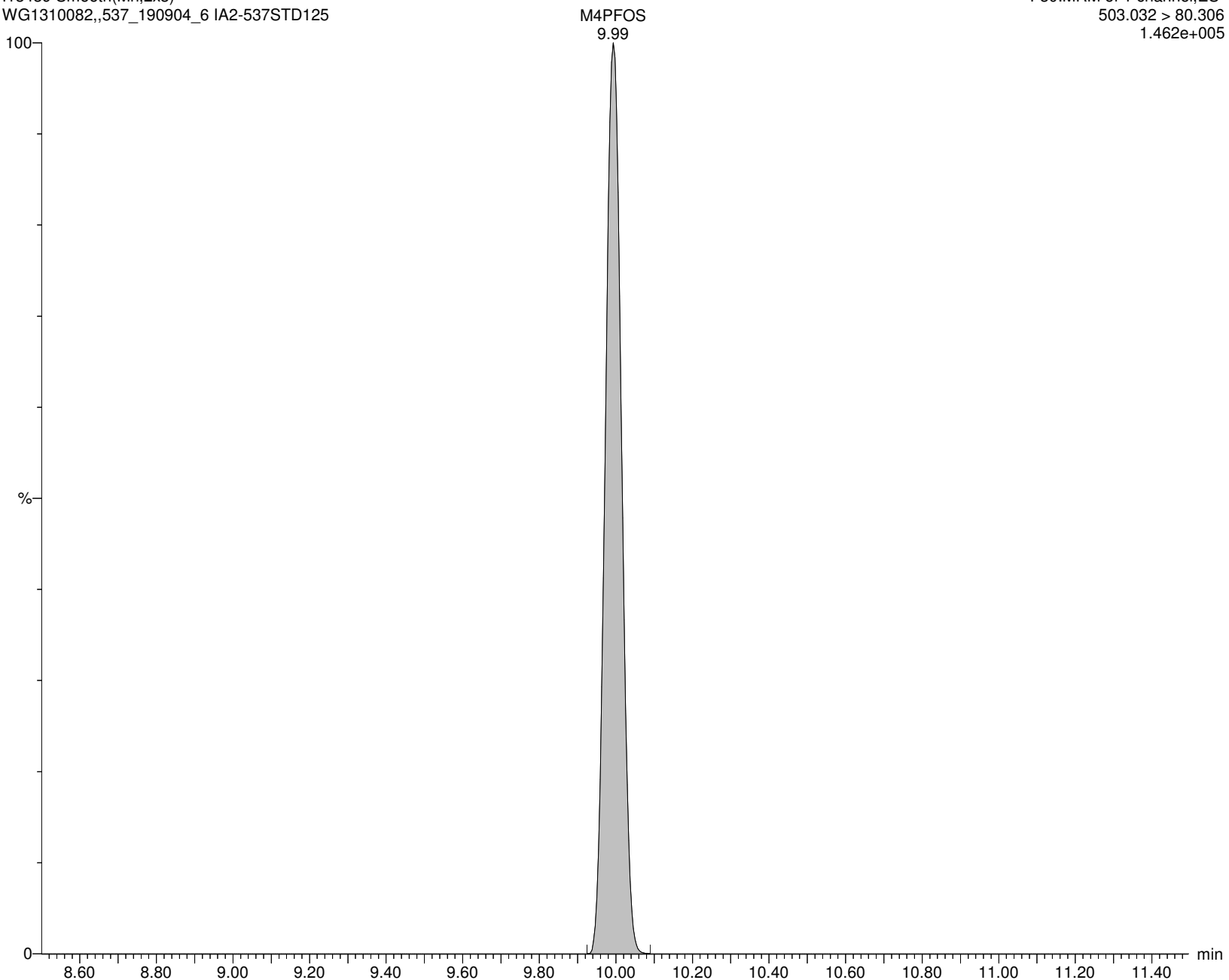
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.462e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

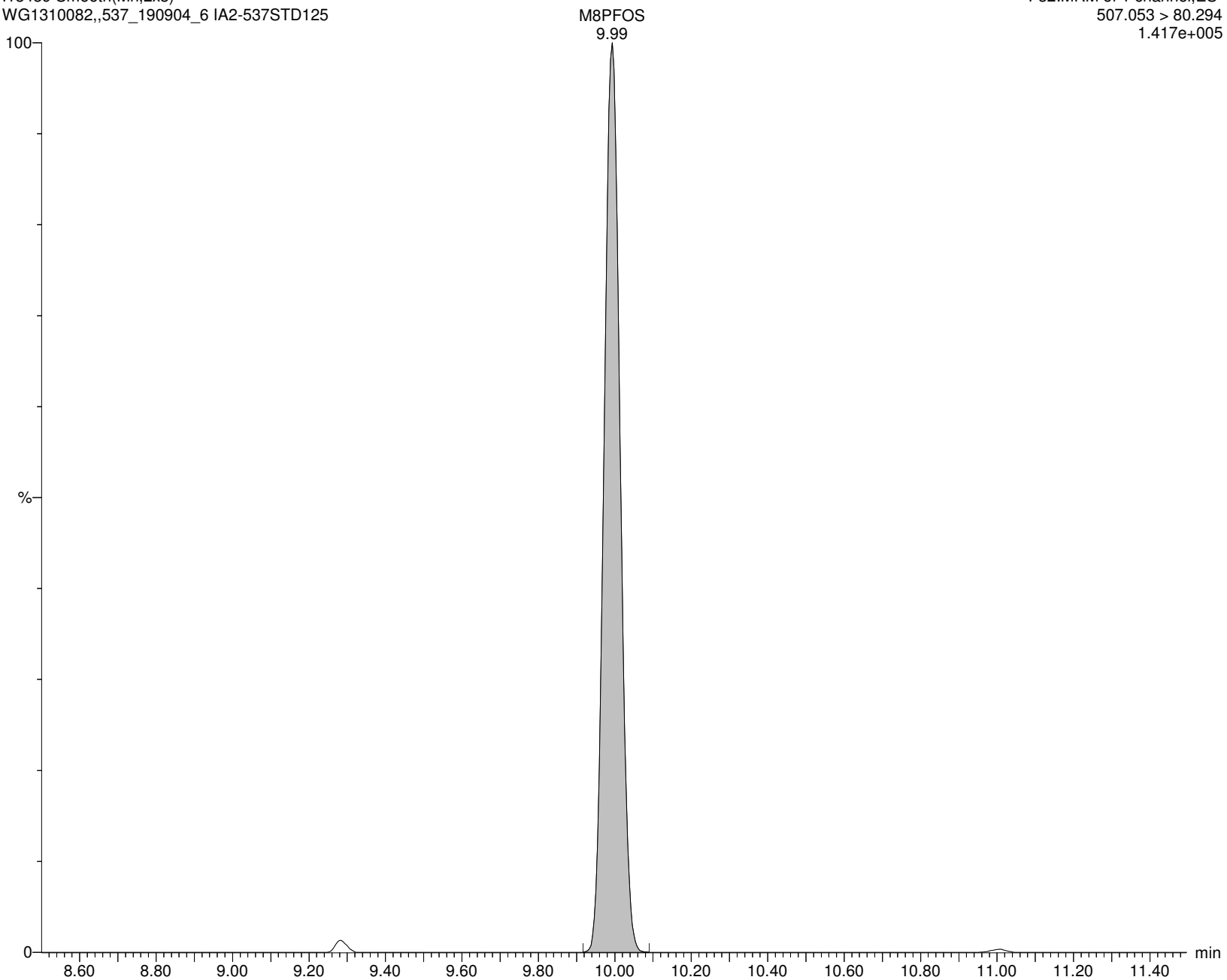
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.417e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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PFDA

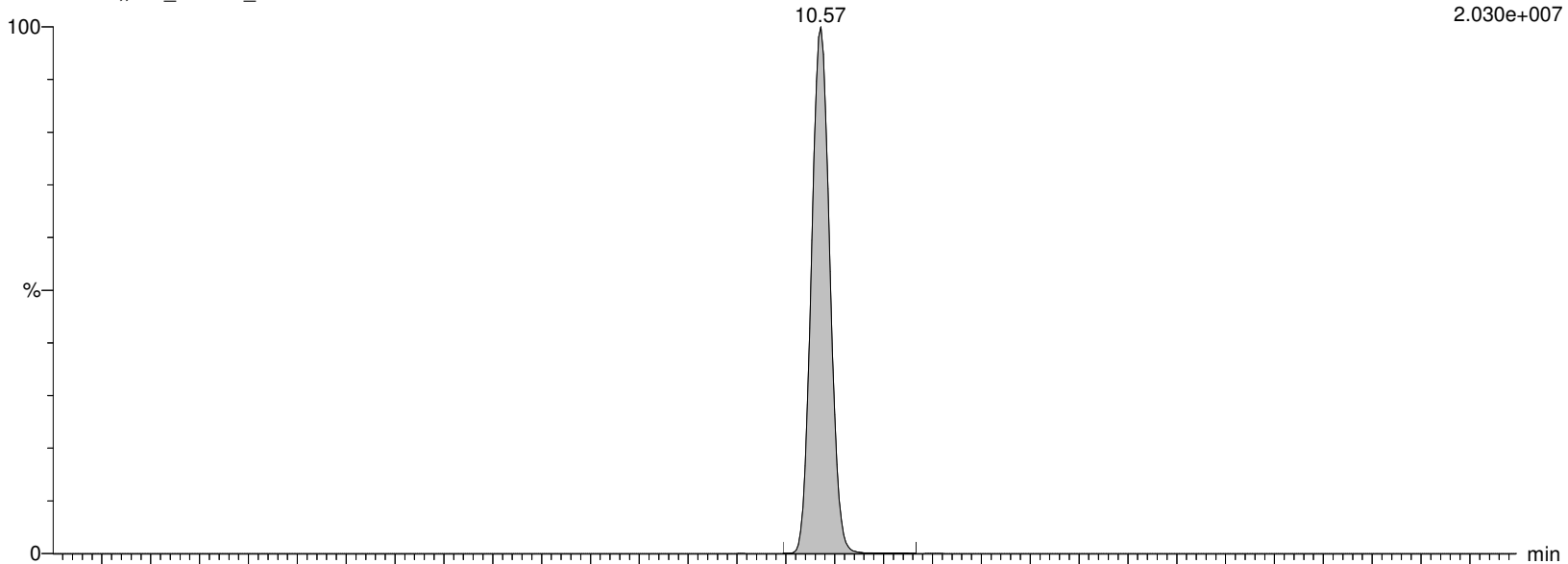
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F34:MRM of 2 channels,ES-

513.053 > 468.906

2.030e+007



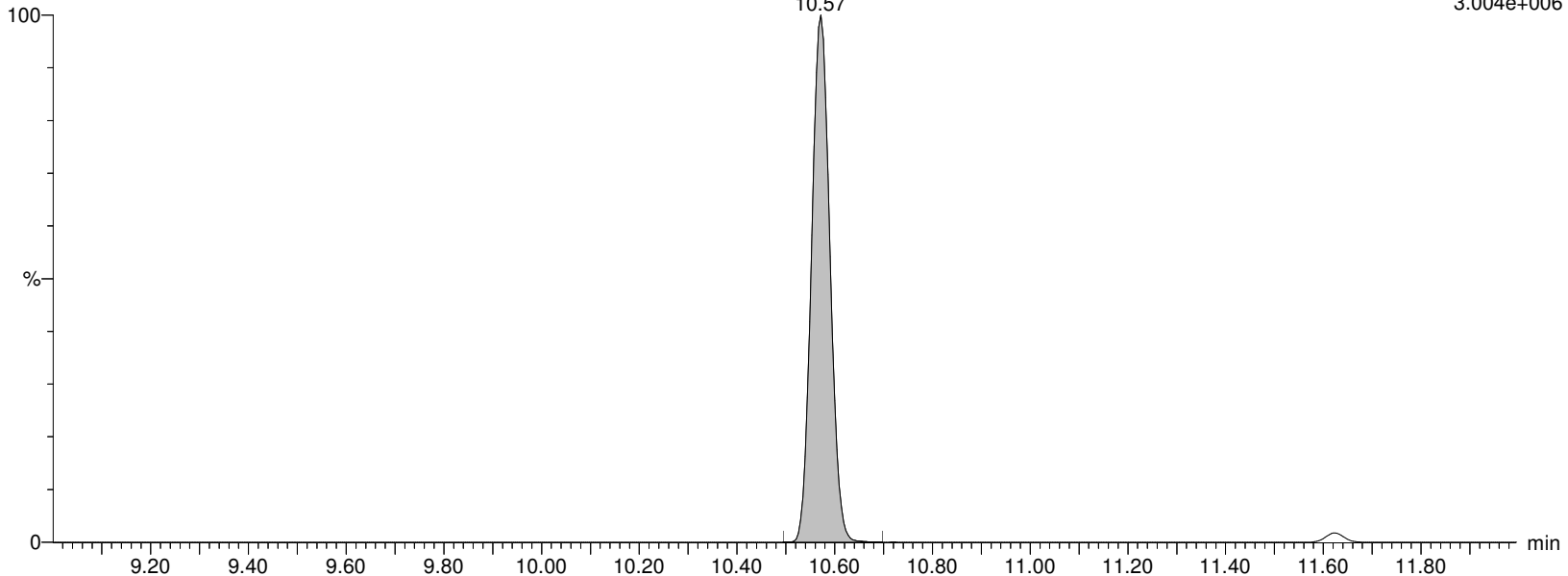
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F34:MRM of 2 channels,ES-

513.053 > 219.08

3.004e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

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Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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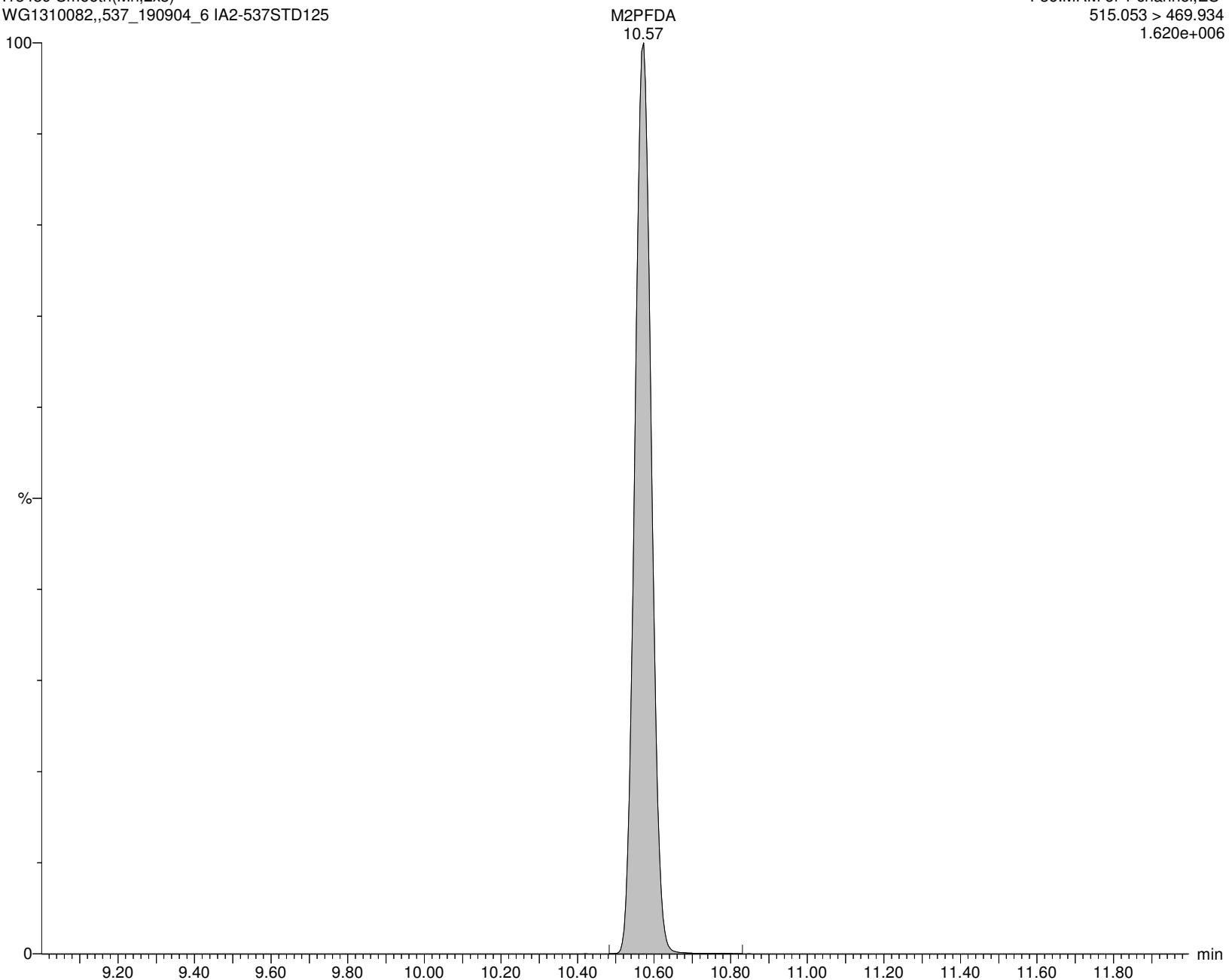
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F36:MRM of 1 channel,ES-

515.053 > 469.934

1.620e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

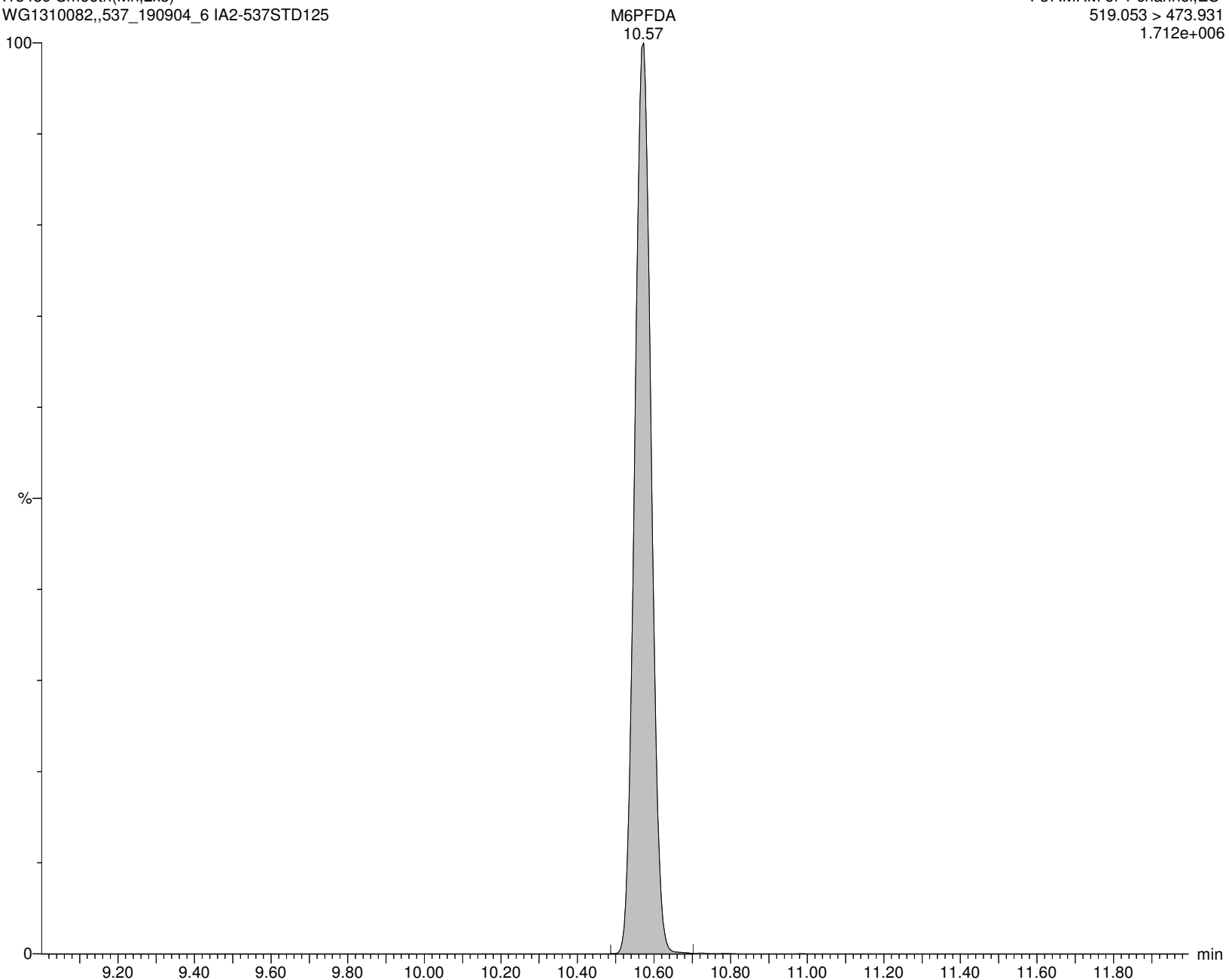
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F37:MRM of 1 channel,ES-

519.053 > 473.931

1.712e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

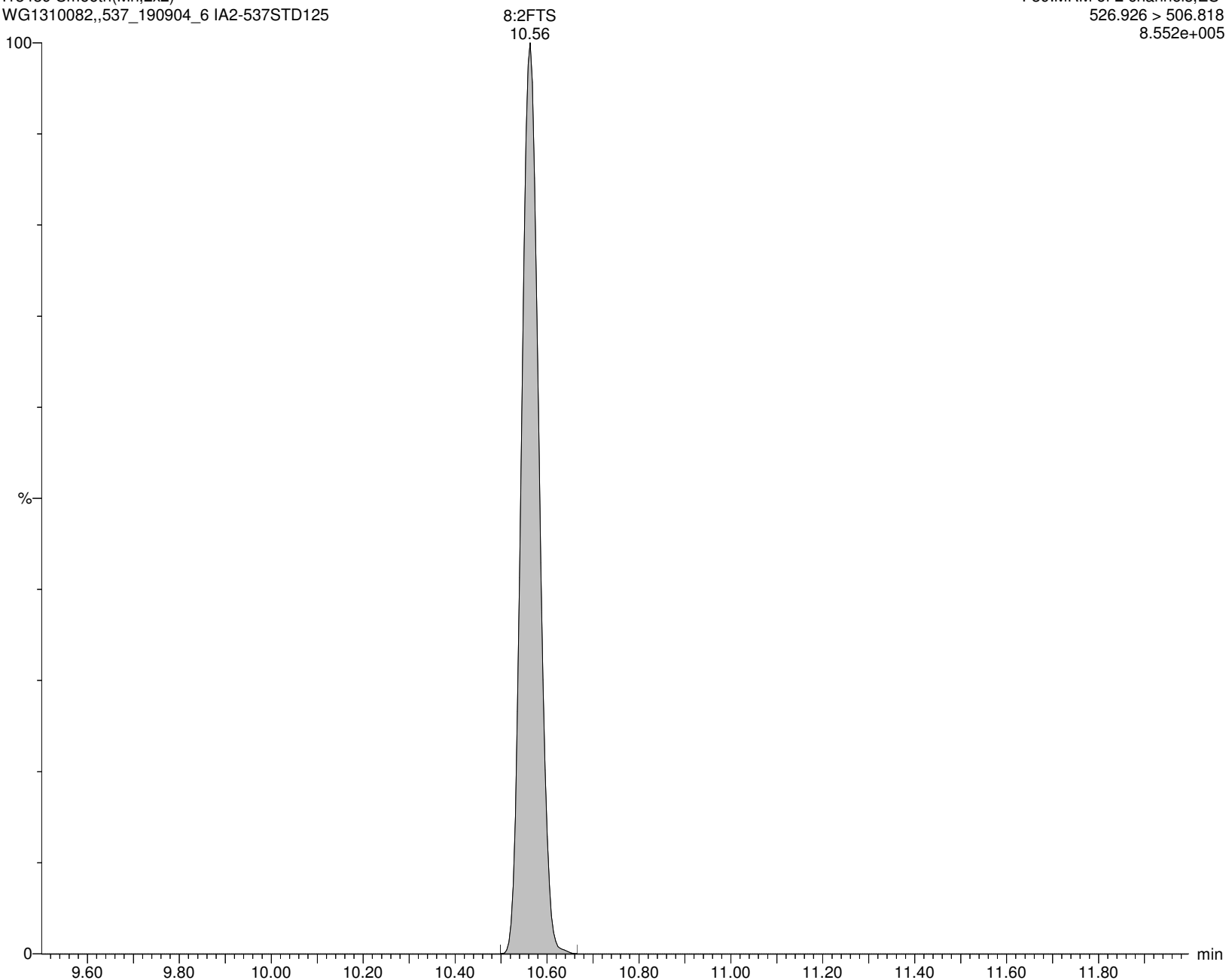
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F39:MRM of 2 channels,ES-

526.926 > 506.818

8.552e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

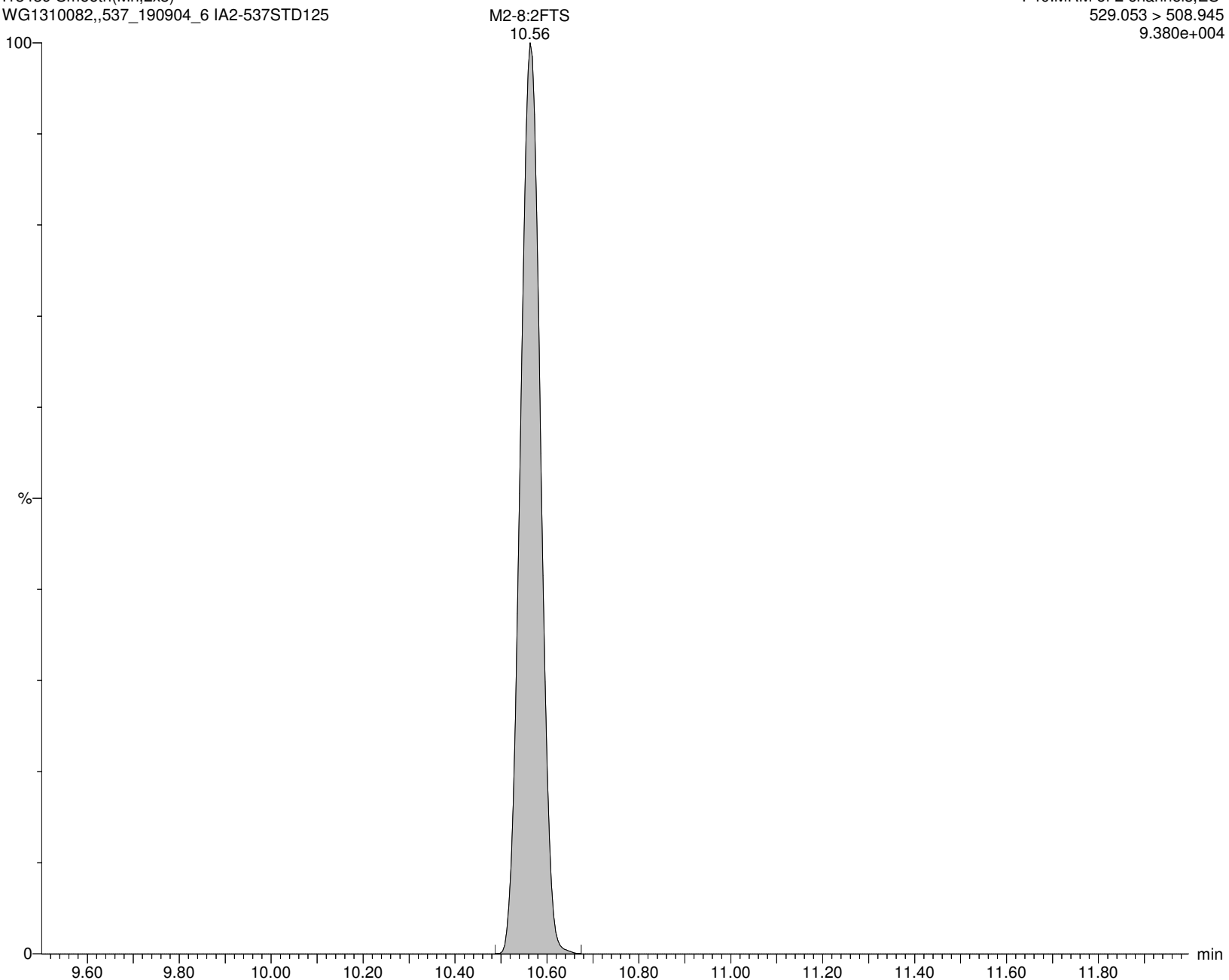
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F40:MRM of 2 channels,ES-

529.053 > 508.945

9.380e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

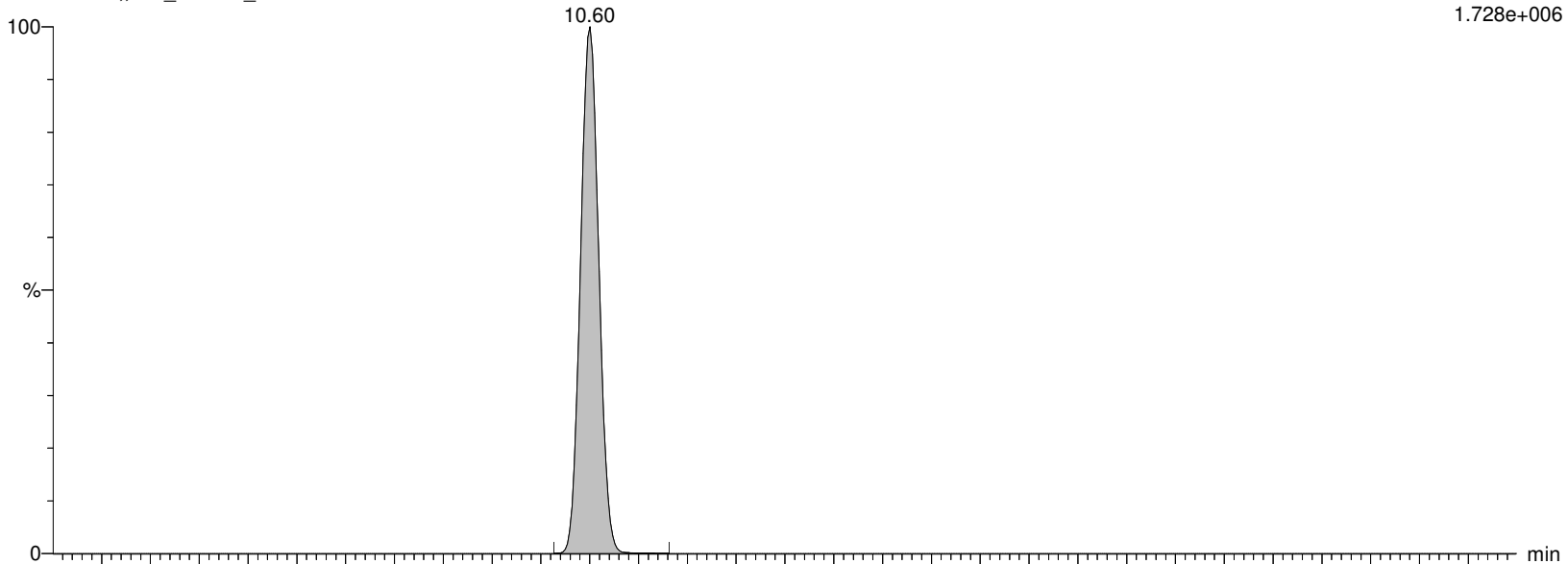
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F43:MRM of 2 channels,ES-

548.989 > 80.249

1.728e+006



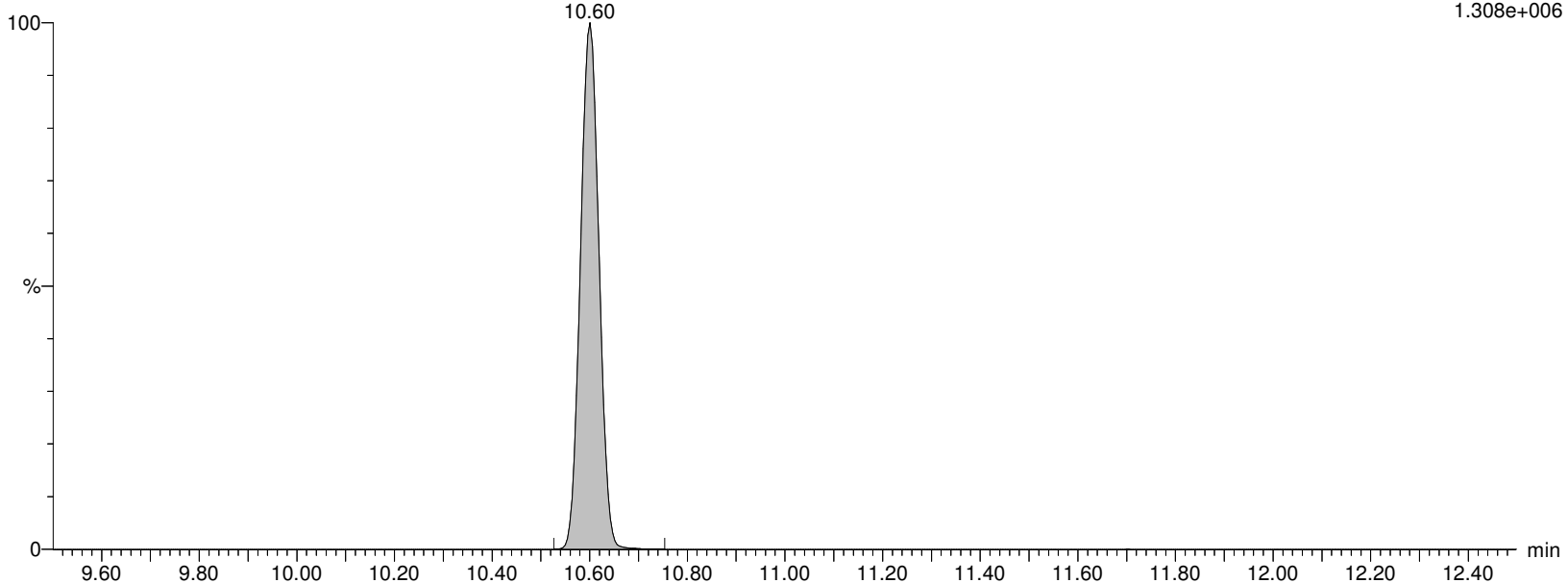
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F43:MRM of 2 channels,ES-

548.989 > 99.22

1.308e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439**ID: IA2-537STD125****Date: 18-Nov-2019****Time: 12:00:10****Description: WG1310082,,537_190904_6****User: LCMS02:JW****Vial: 1:A,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

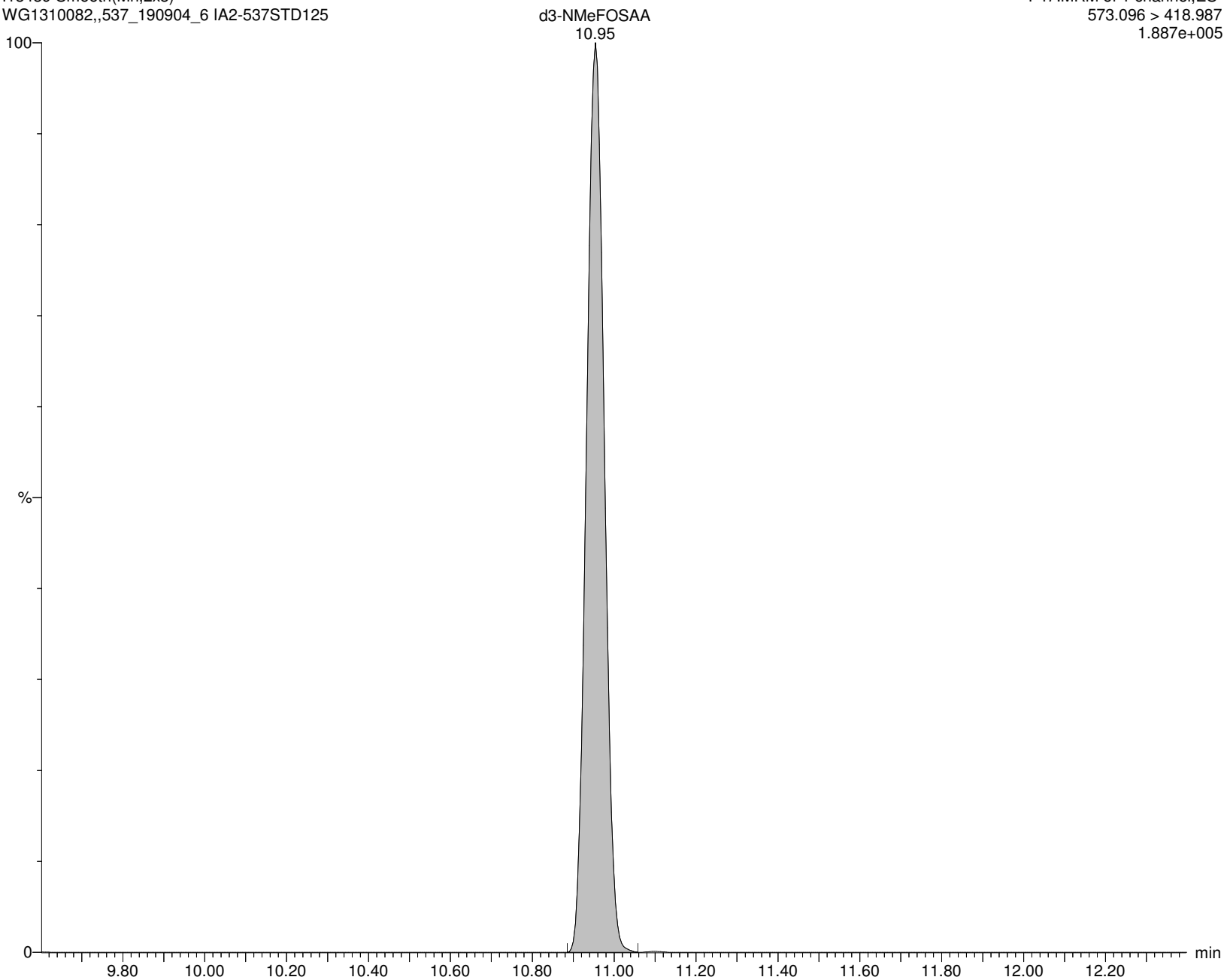
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F47:MRM of 1 channel,ES-

573.096 > 418.987

1.887e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

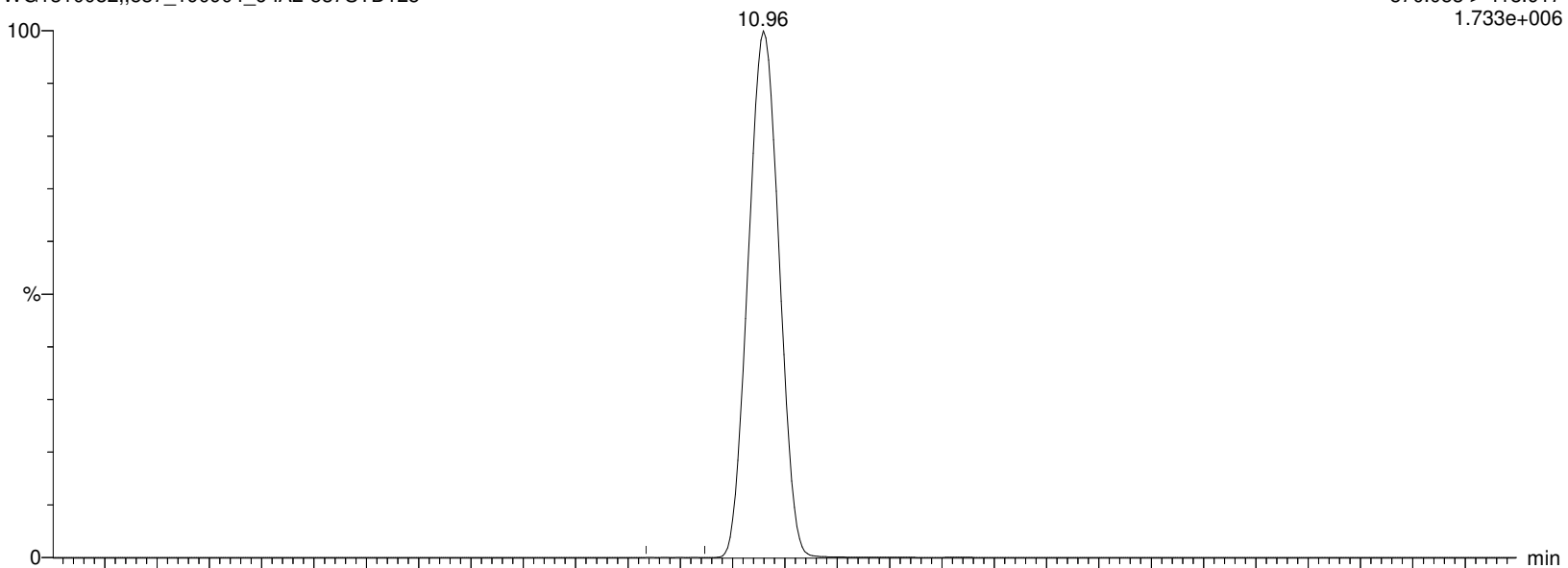
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.733e+006



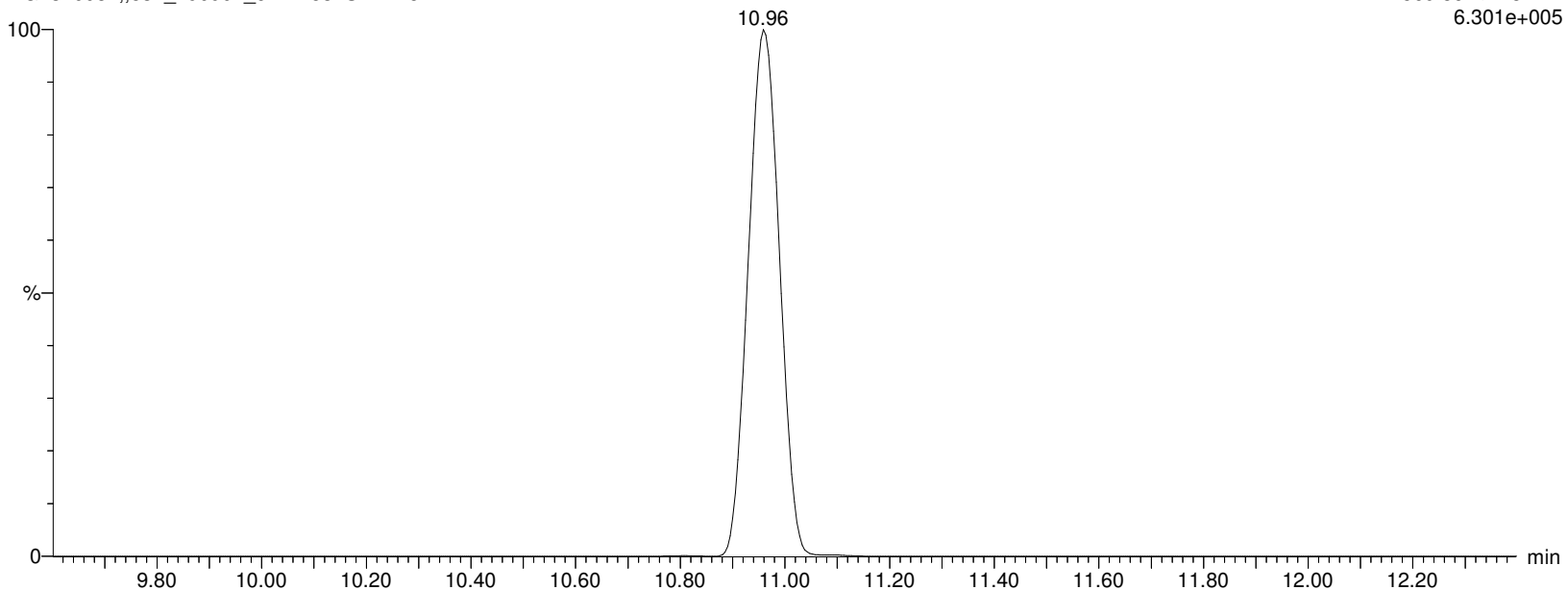
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.301e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

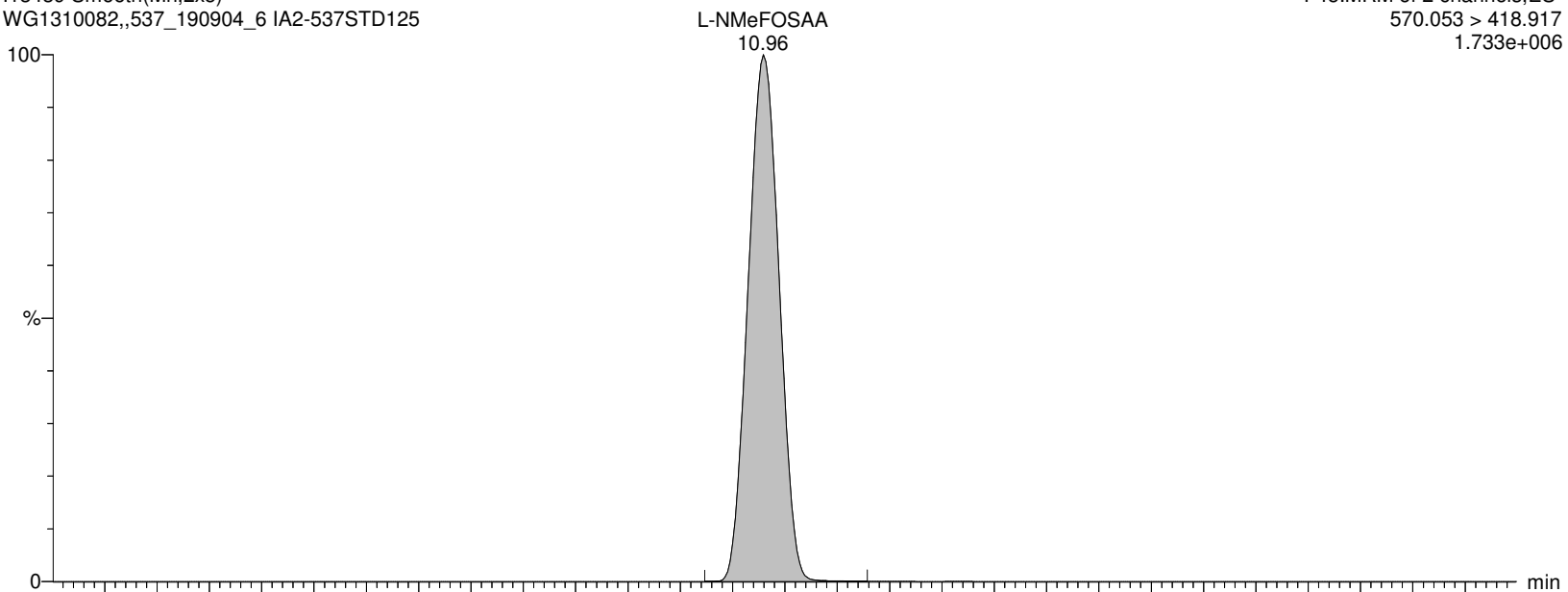
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.733e+006



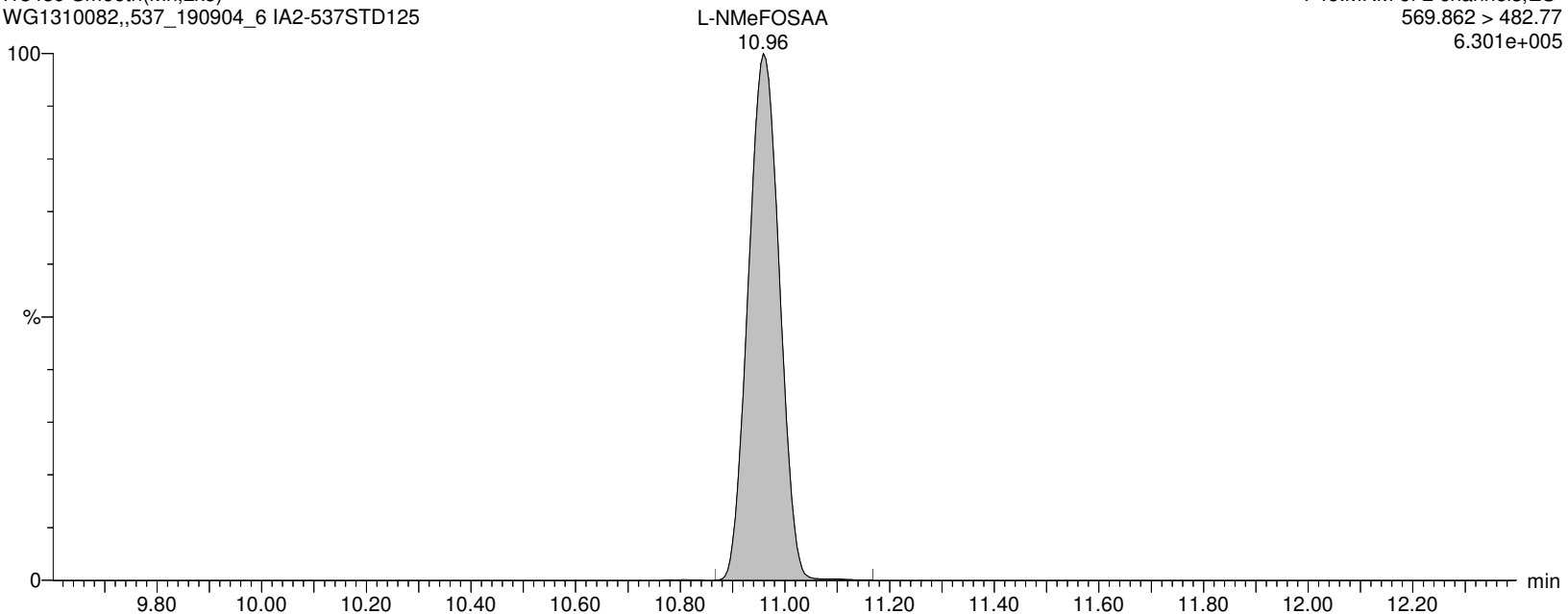
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.301e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

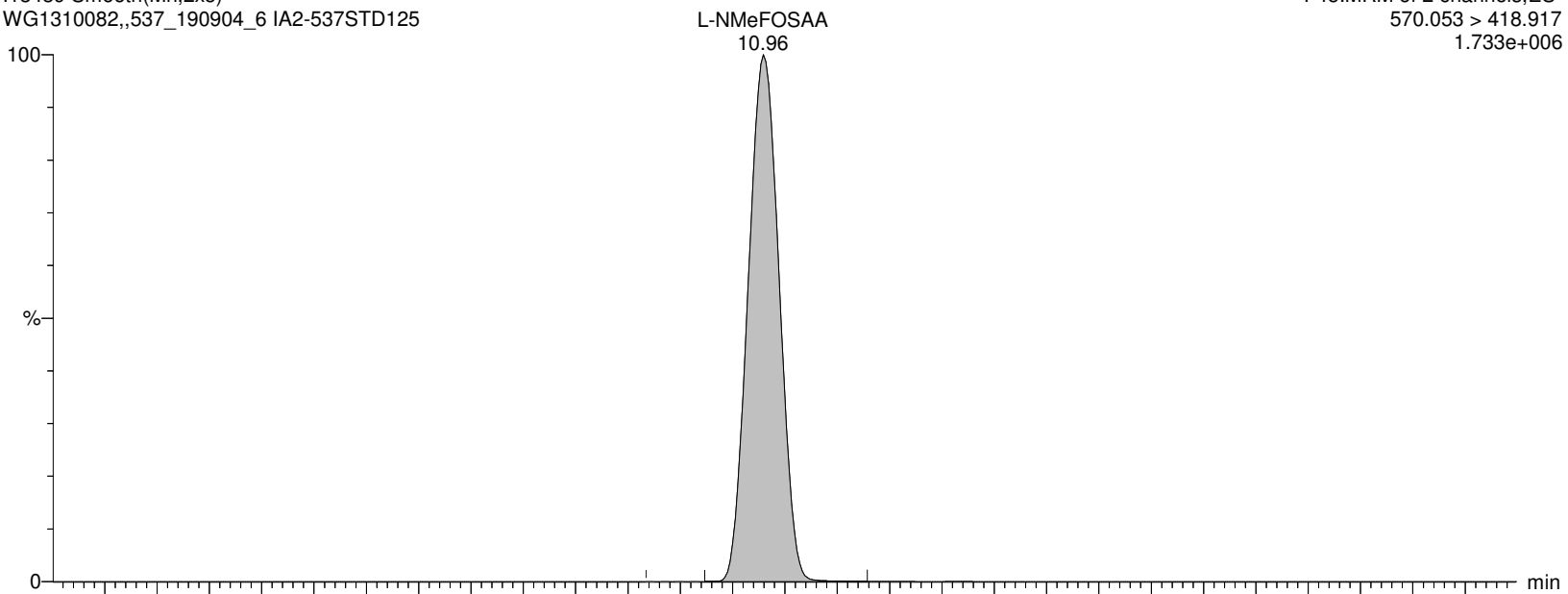
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.733e+006



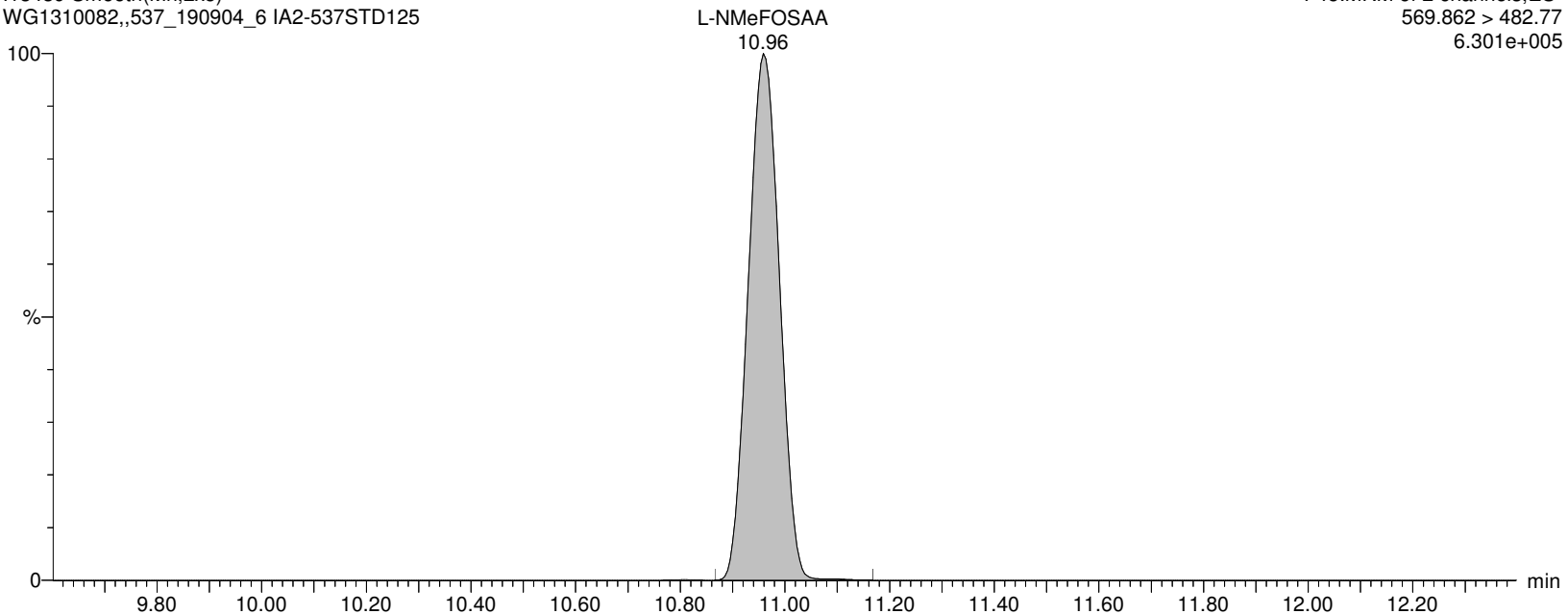
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.301e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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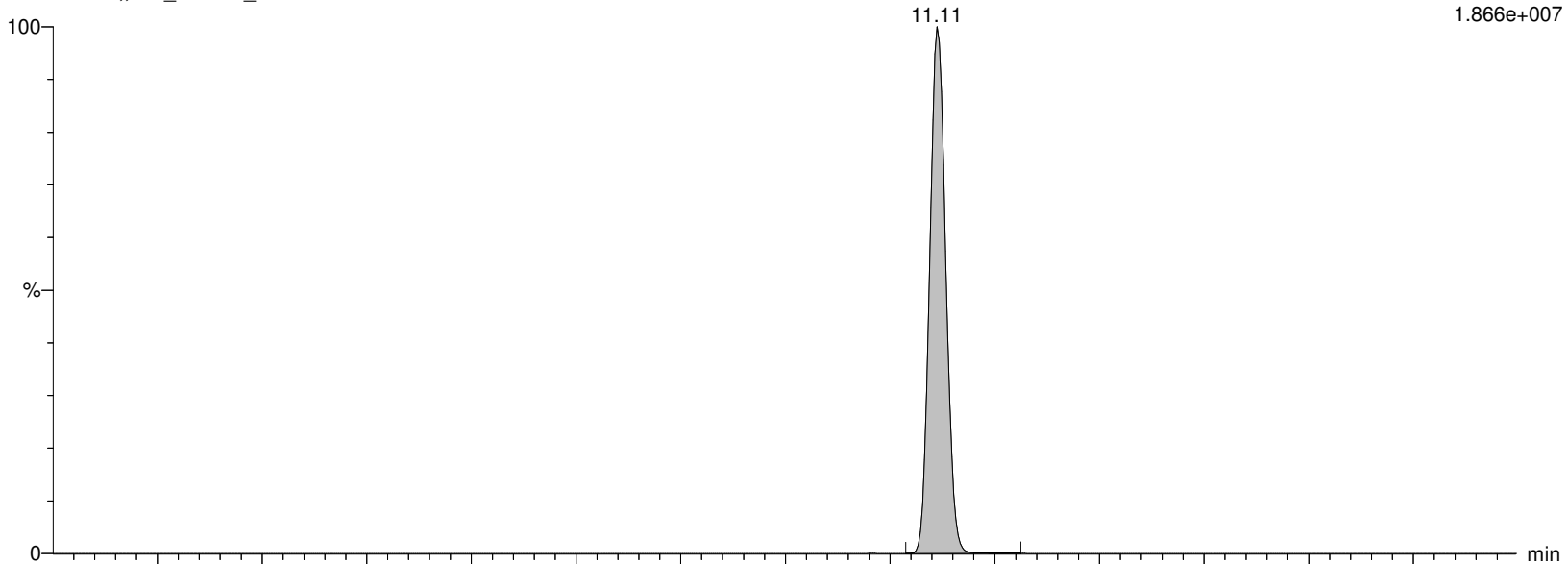
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F44:MRM of 2 channels,ES-

562.989 > 518.903

1.866e+007



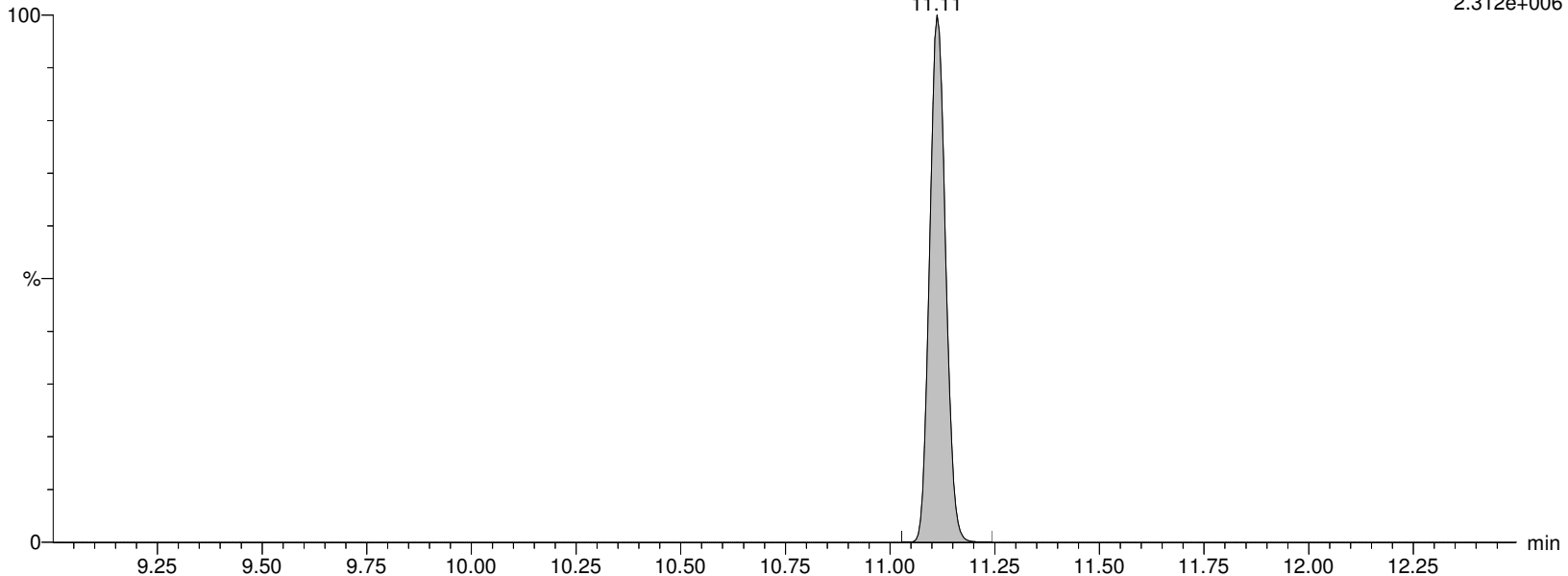
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F44:MRM of 2 channels,ES-

562.989 > 269.01

2.312e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

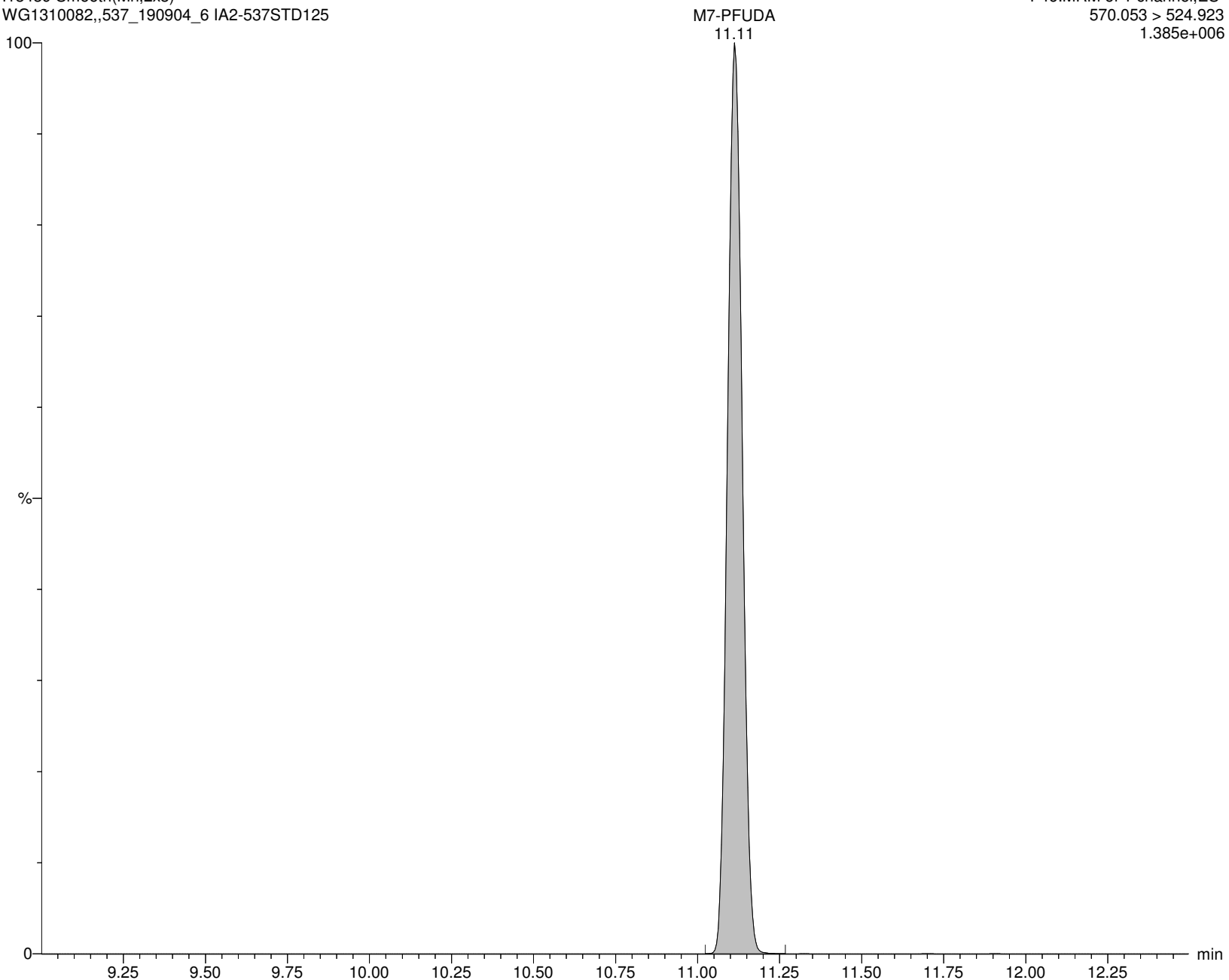
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.385e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

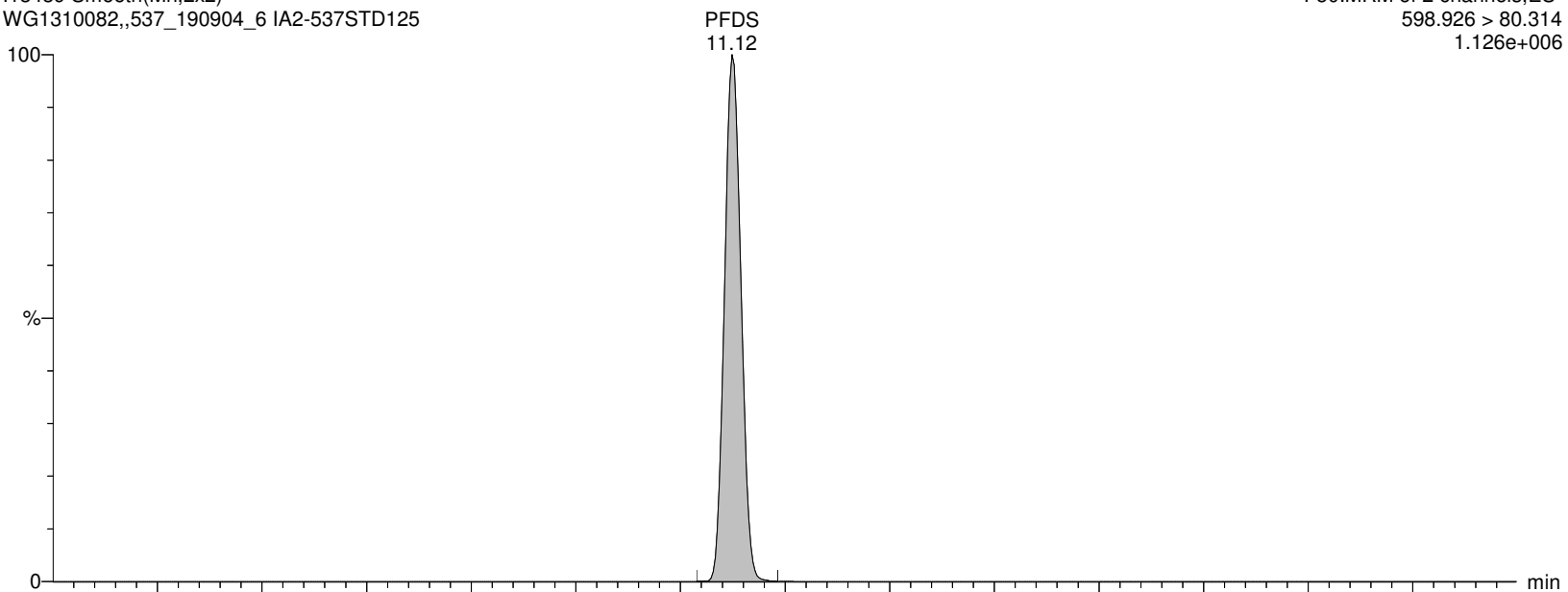
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F50:MRM of 2 channels,ES-

598.926 > 80.314

1.126e+006



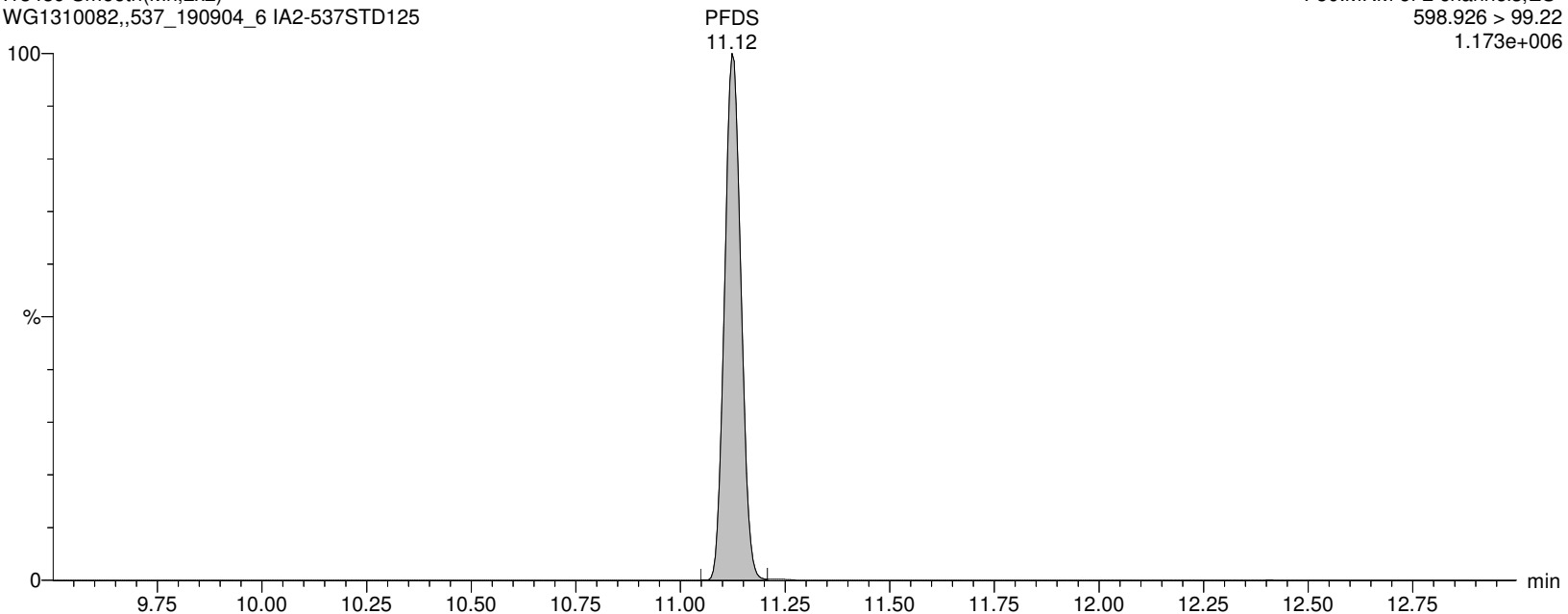
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.173e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

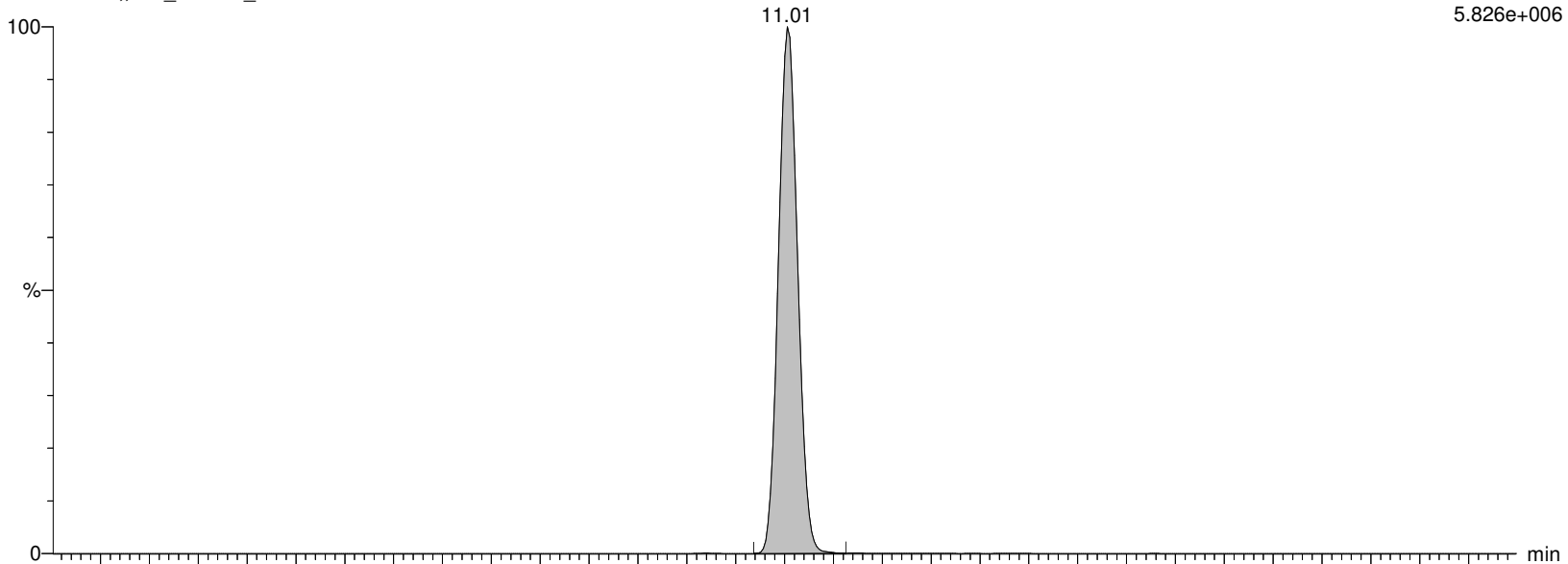
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F28:MRM of 2 channels,ES-

497.989 > 78.245

5.826e+006



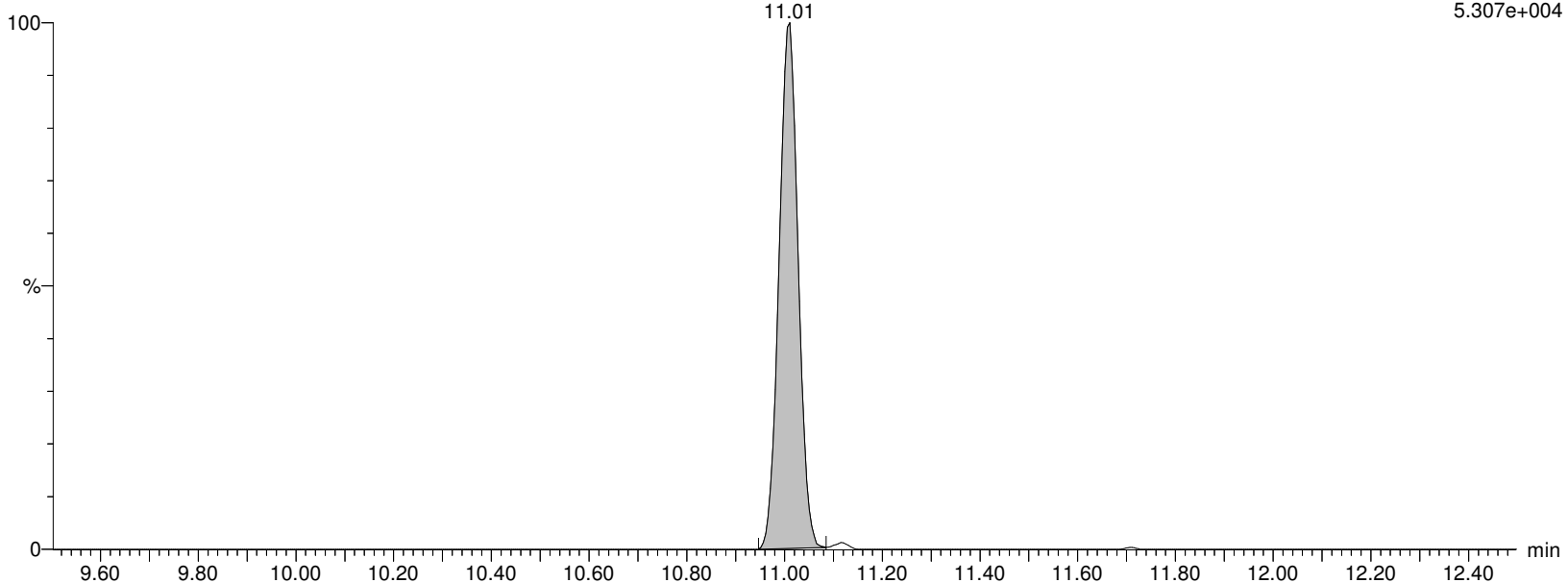
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F28:MRM of 2 channels,ES-

497.989 > 168.854

5.307e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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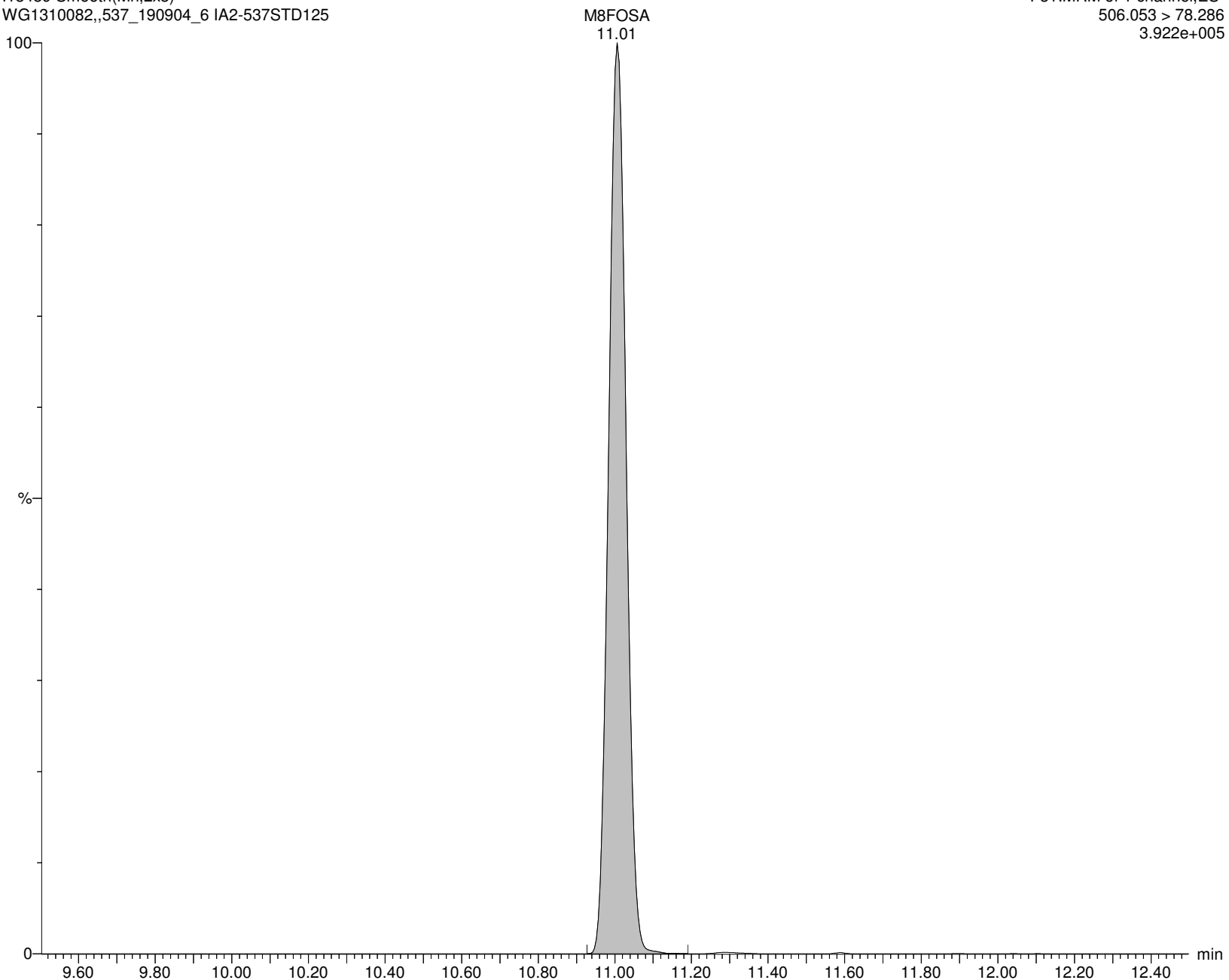
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F31:MRM of 1 channel,ES-

506.053 > 78.286

3.922e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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d5-NEtFOSAA

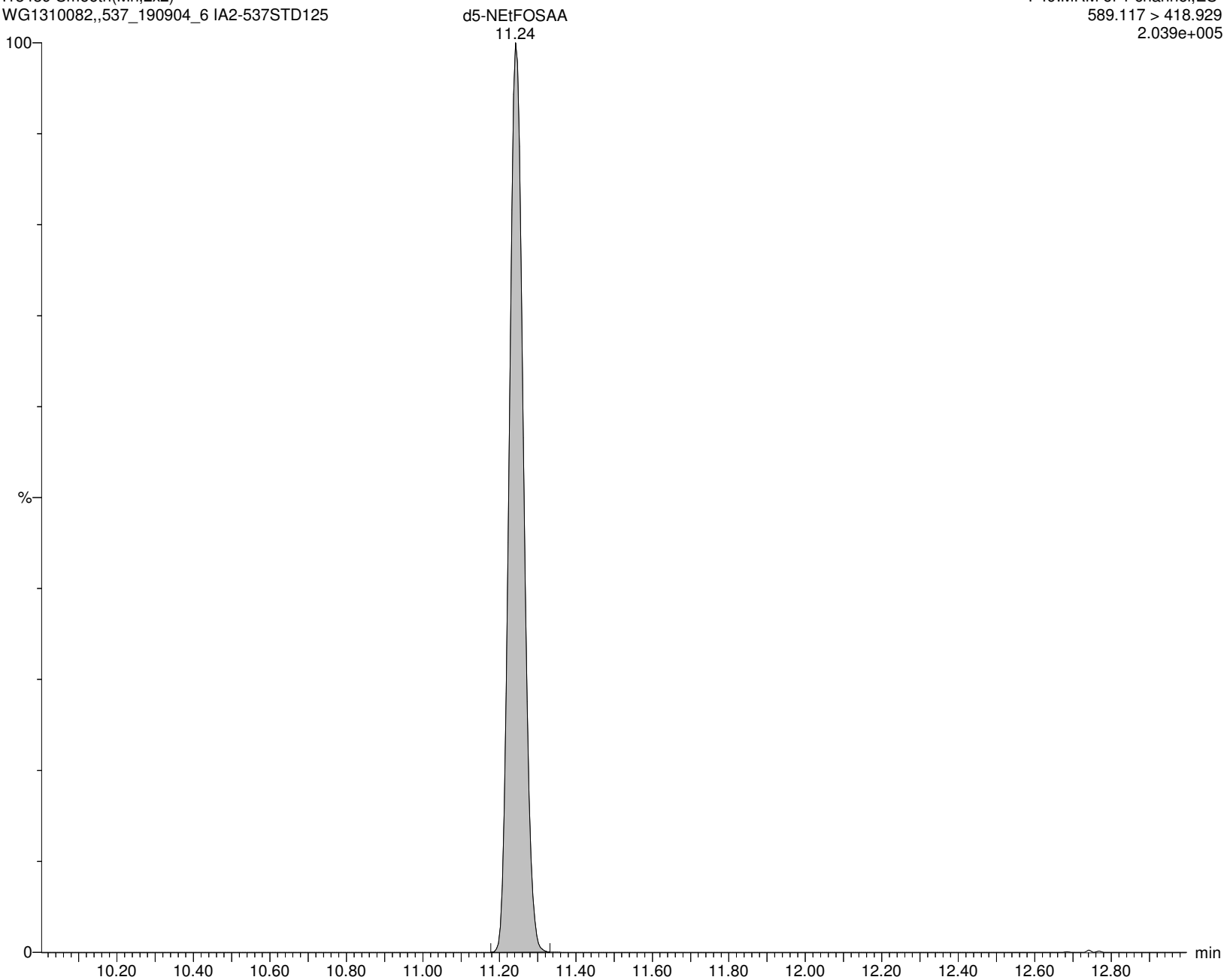
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.039e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

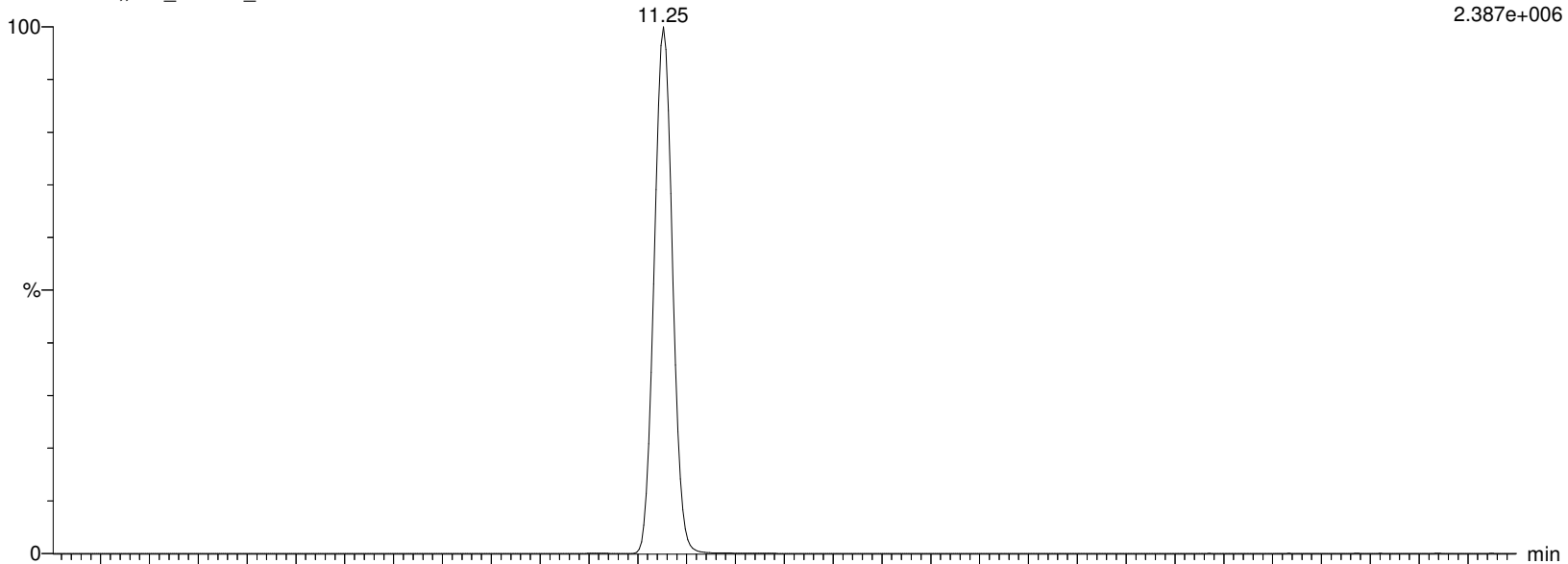
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.387e+006



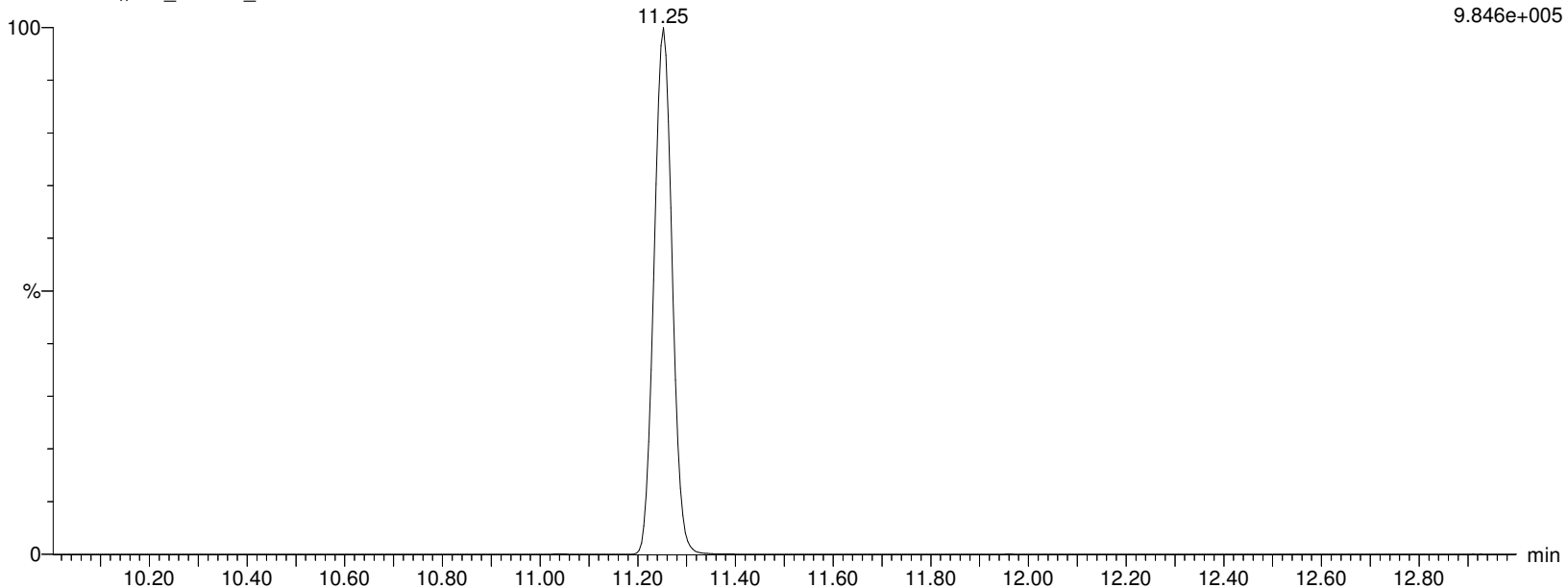
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 482.88

9.846e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

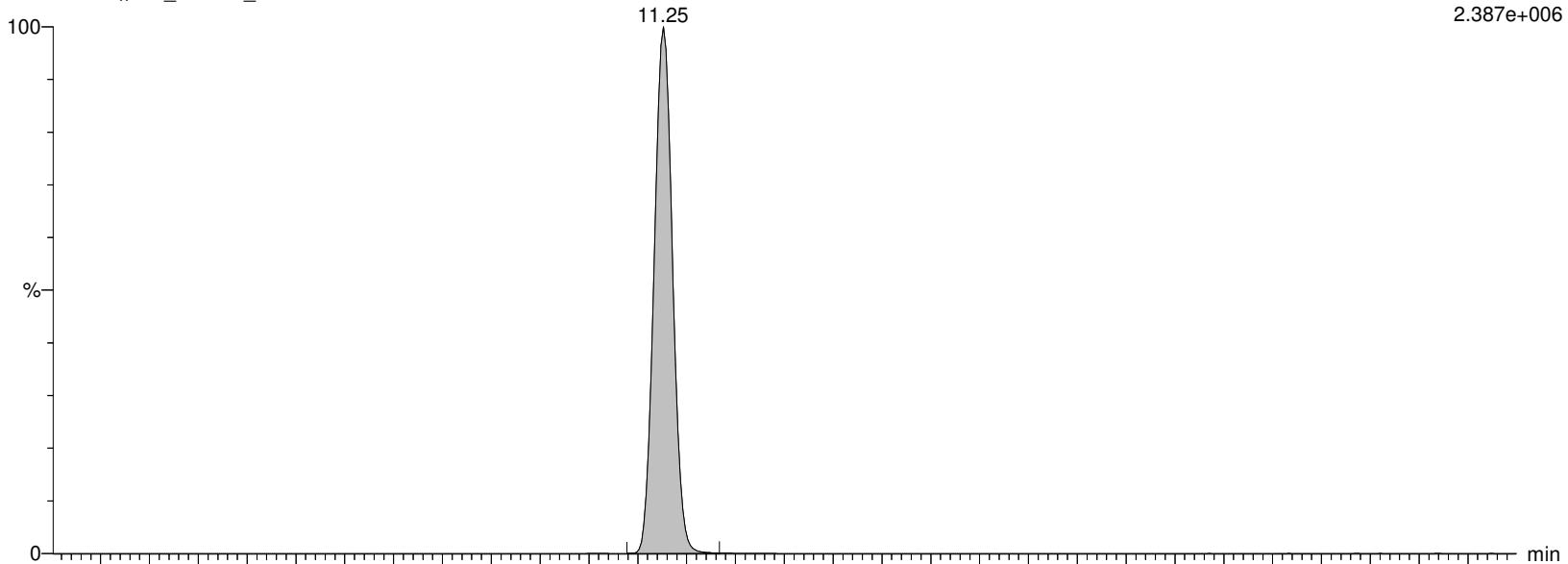
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.387e+006



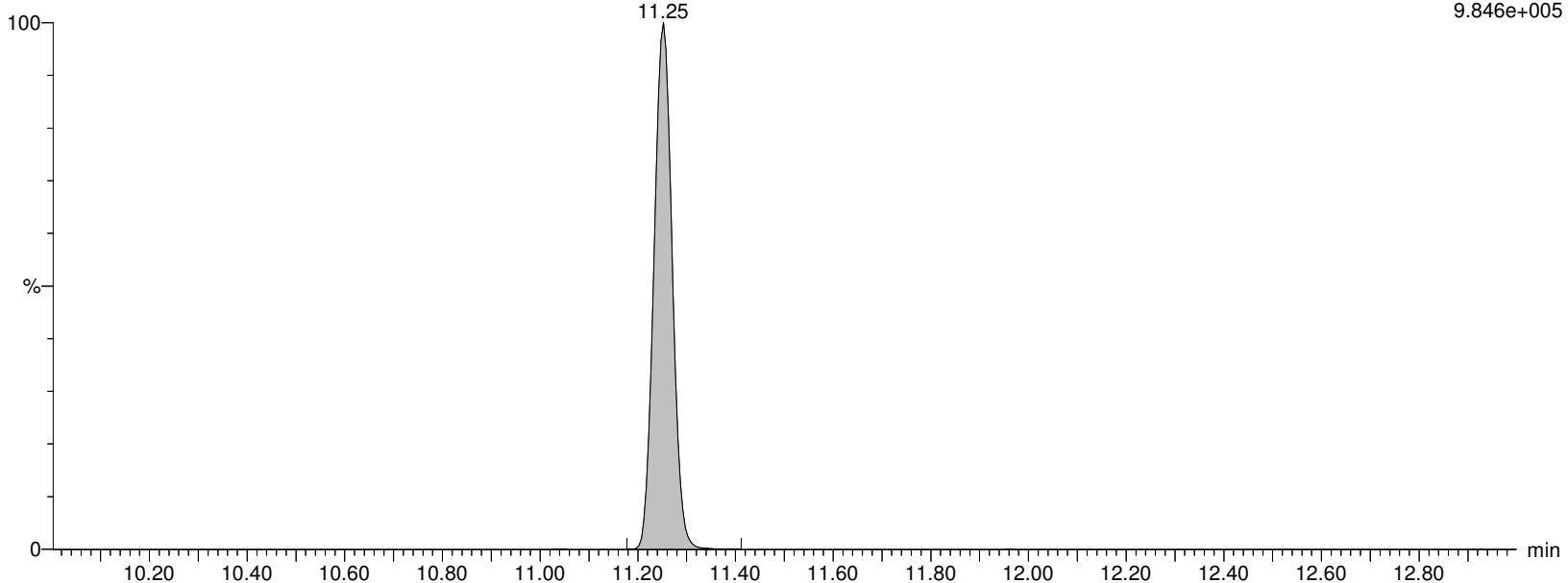
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 482.88

9.846e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSAA

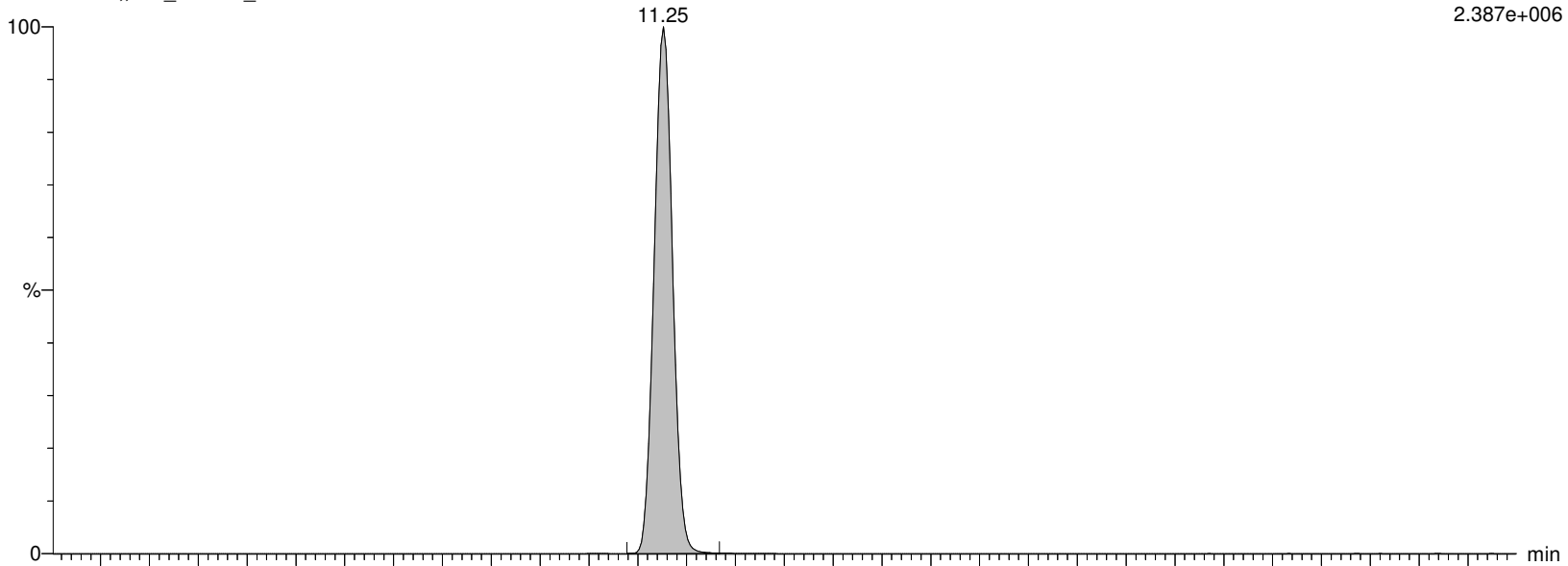
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.387e+006



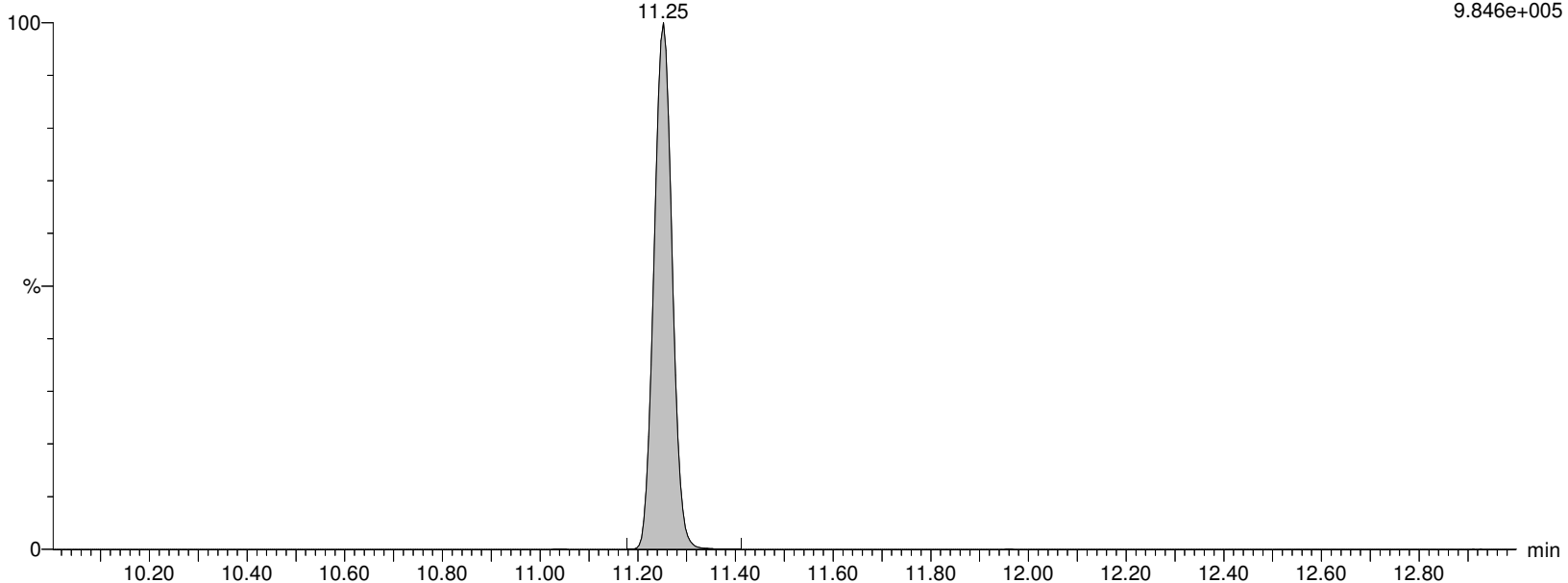
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F48:MRM of 2 channels,ES-

583.989 > 482.88

9.846e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

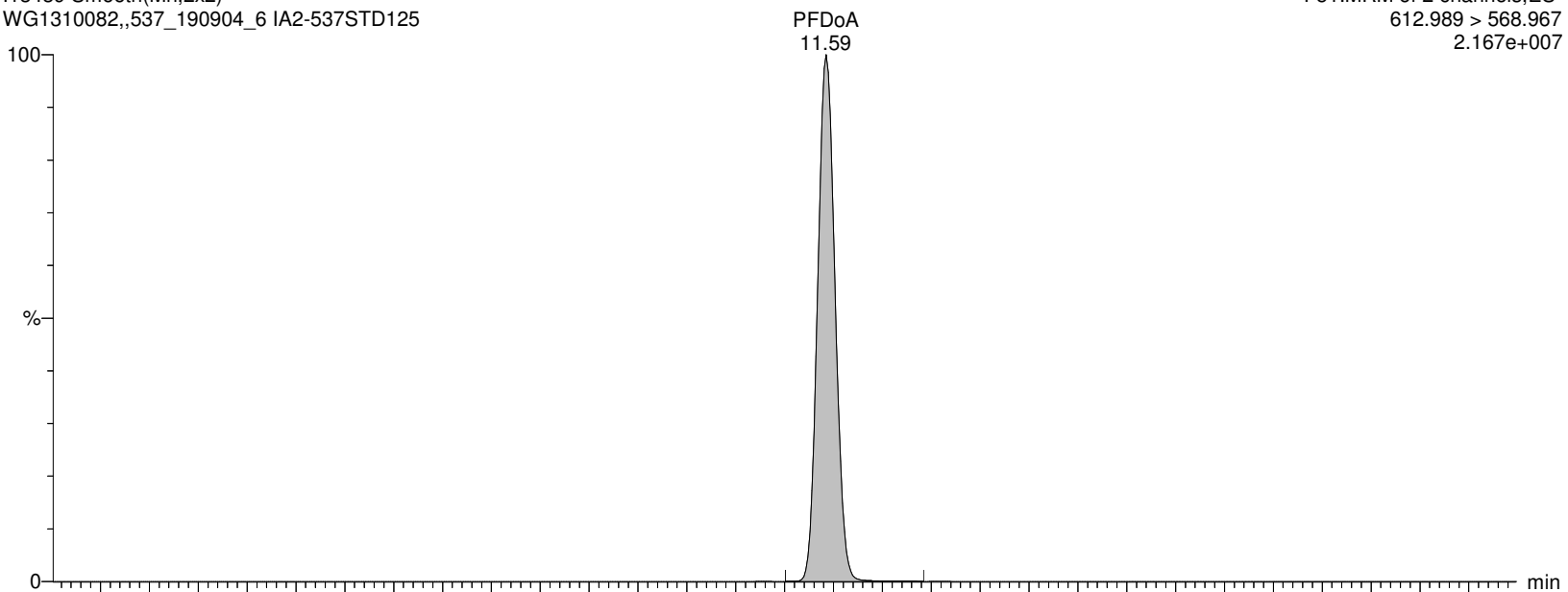
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F51:MRM of 2 channels,ES-

612.989 > 568.967

2.167e+007



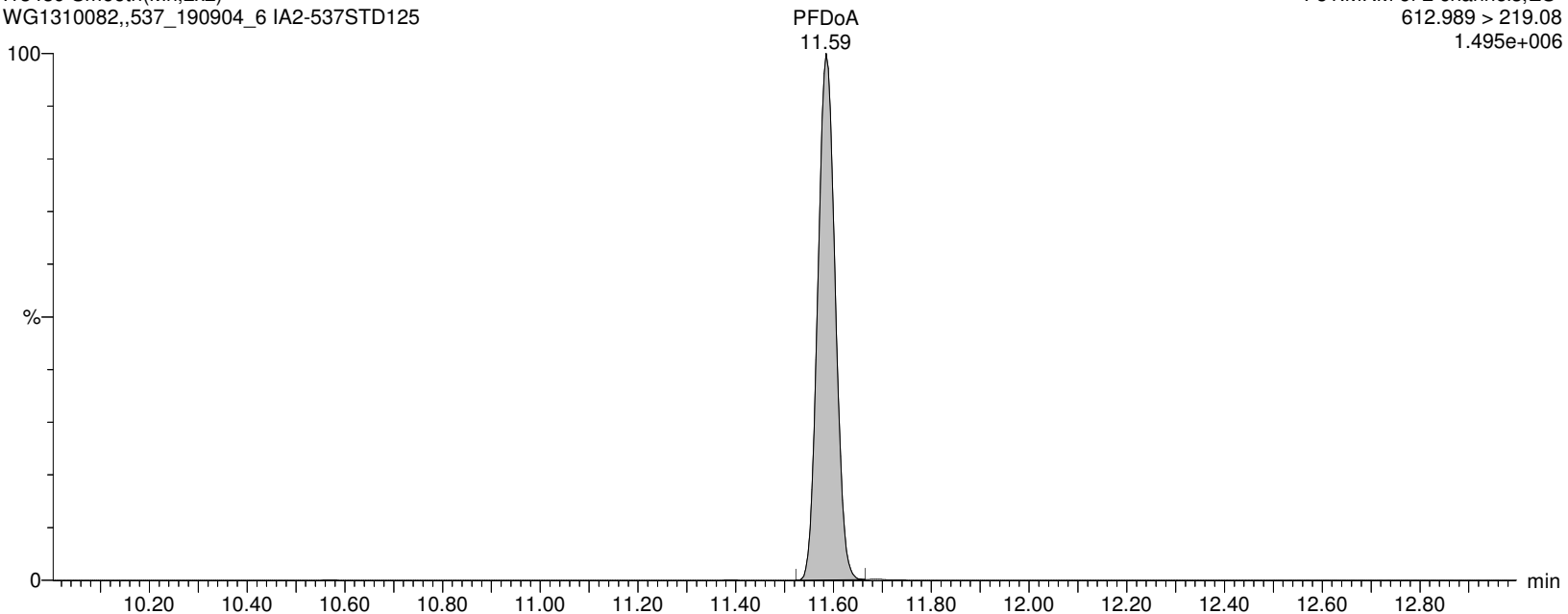
I13439 Smooth(Mn,2x2)

WG1310082,,537_190904_6 IA2-537STD125

F51:MRM of 2 channels,ES-

612.989 > 219.08

1.495e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

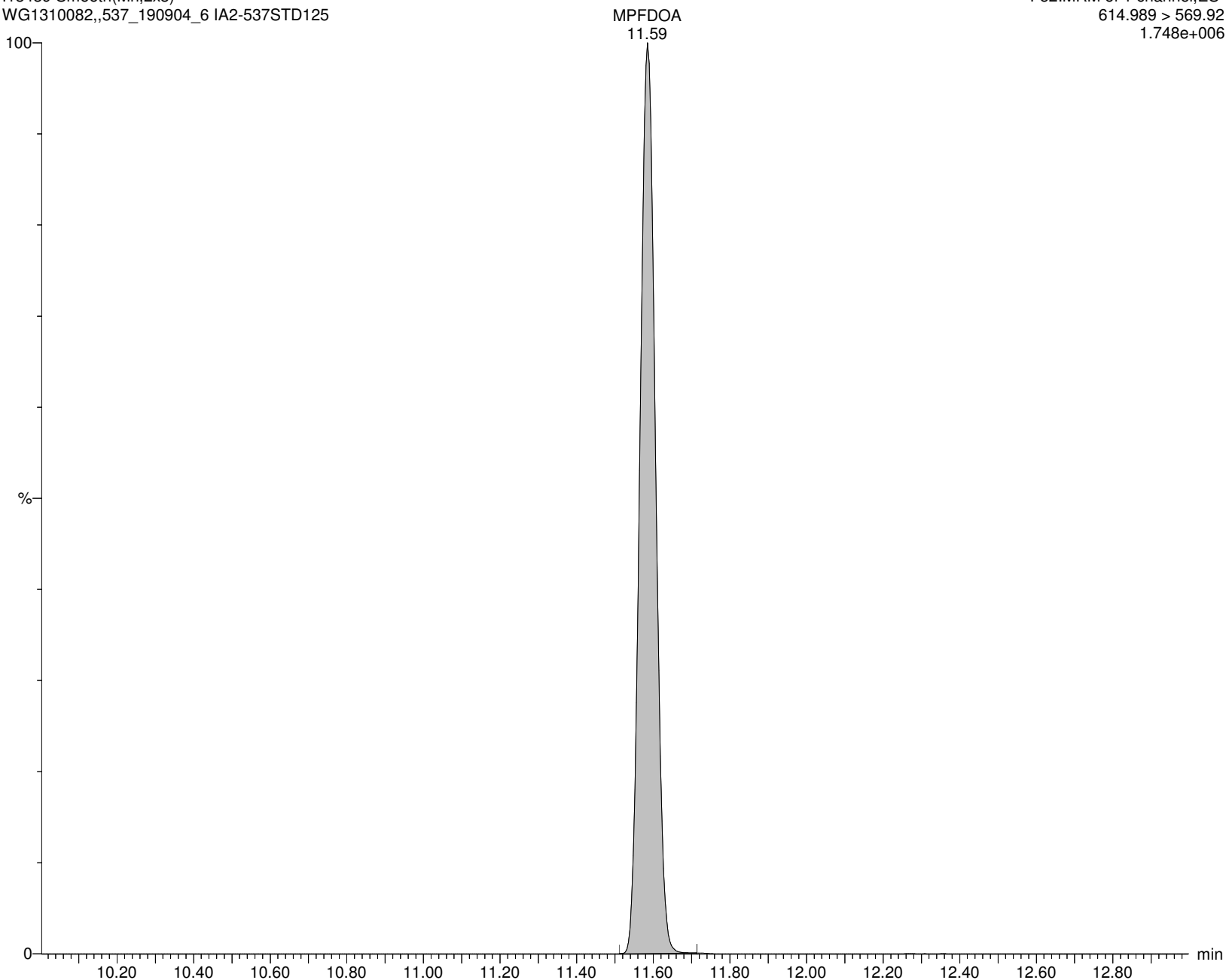
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F52:MRM of 1 channel,ES-

614.989 > 569.92

1.748e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

I13439 Smooth(Mn,2x2)

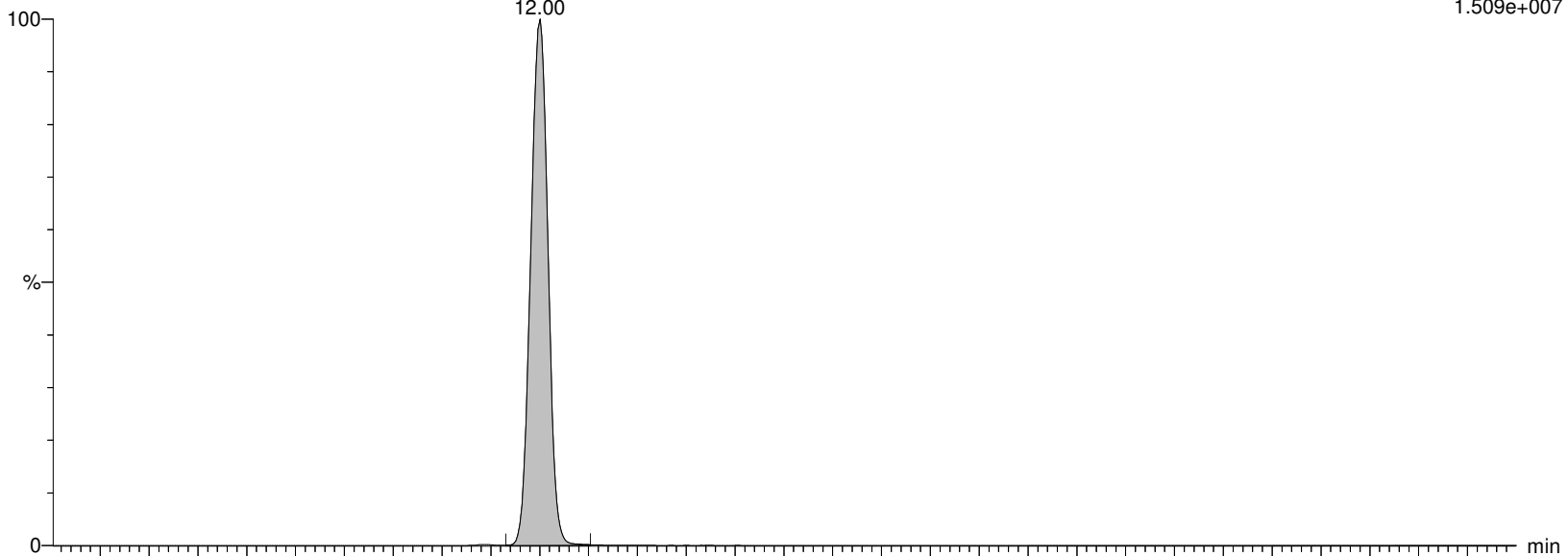
WG1310082,,537_190904_6 IA2-537STD125

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.509e+007



I13439 Smooth(Mn,2x2)

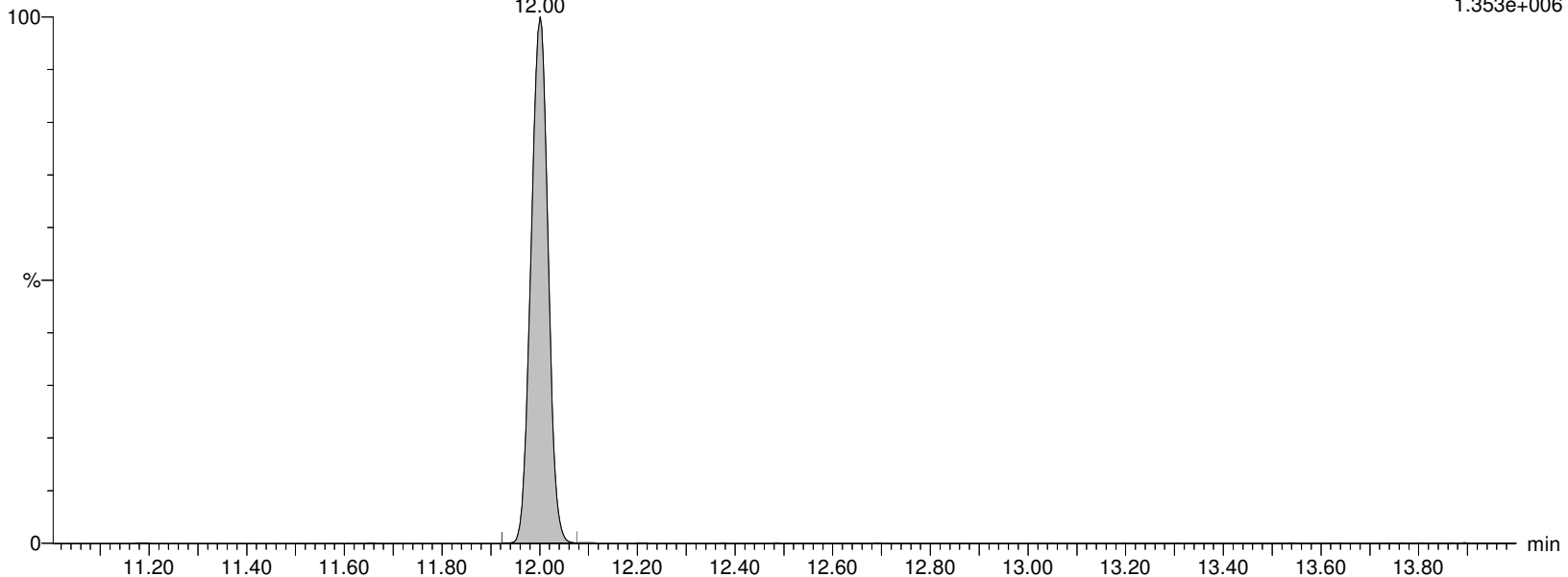
WG1310082,,537_190904_6 IA2-537STD125

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 319.02

1.353e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

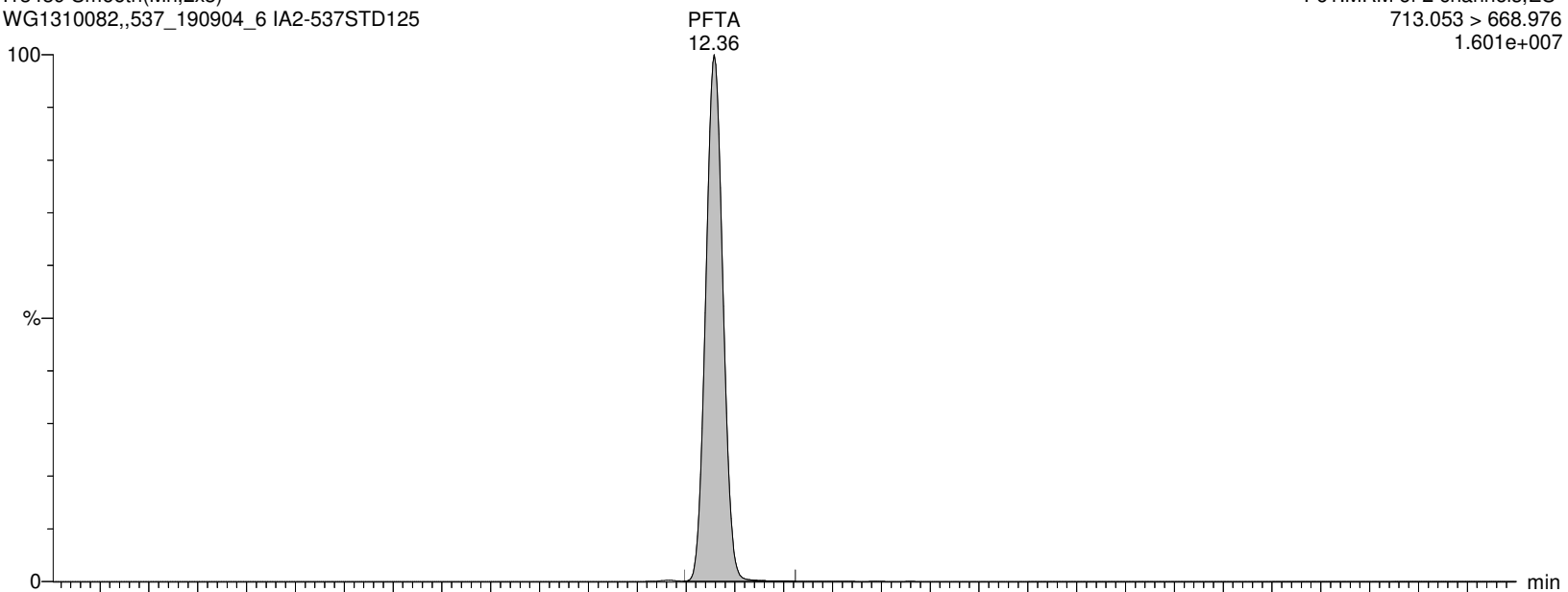
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F61:MRM of 2 channels,ES-

713.053 > 668.976

1.601e+007



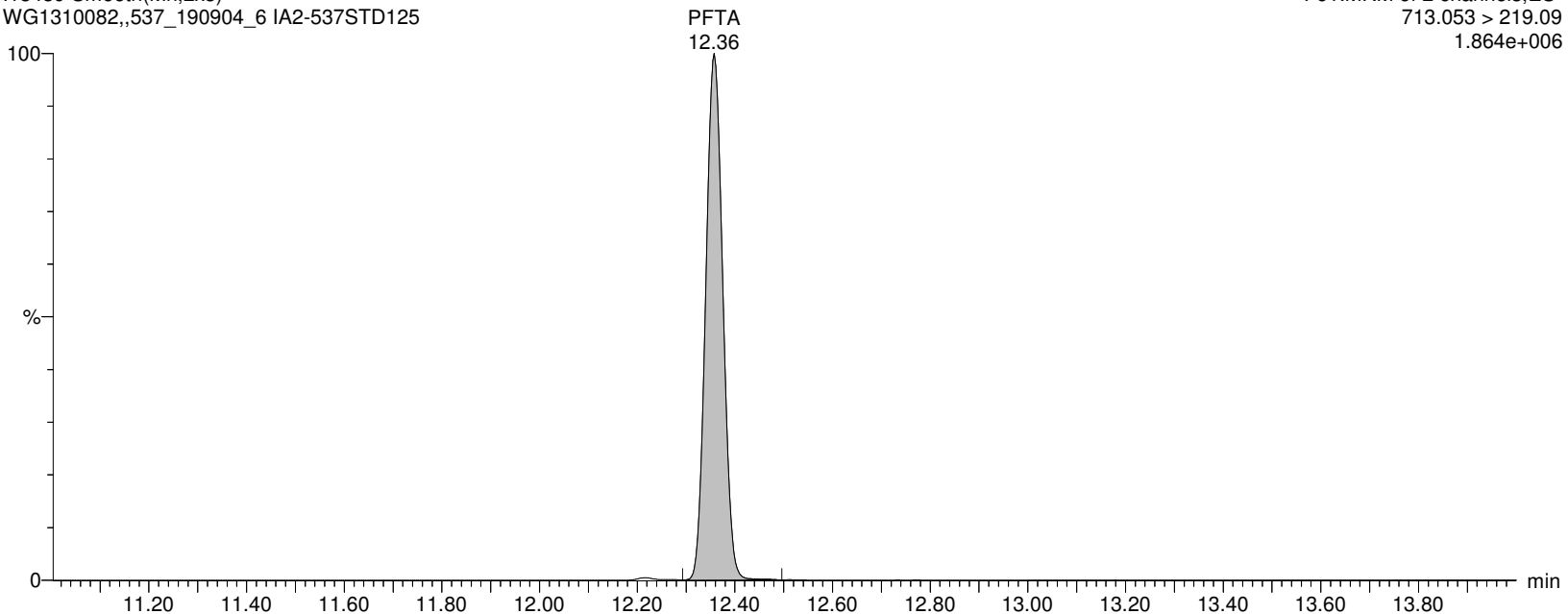
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F61:MRM of 2 channels,ES-

713.053 > 219.09

1.864e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

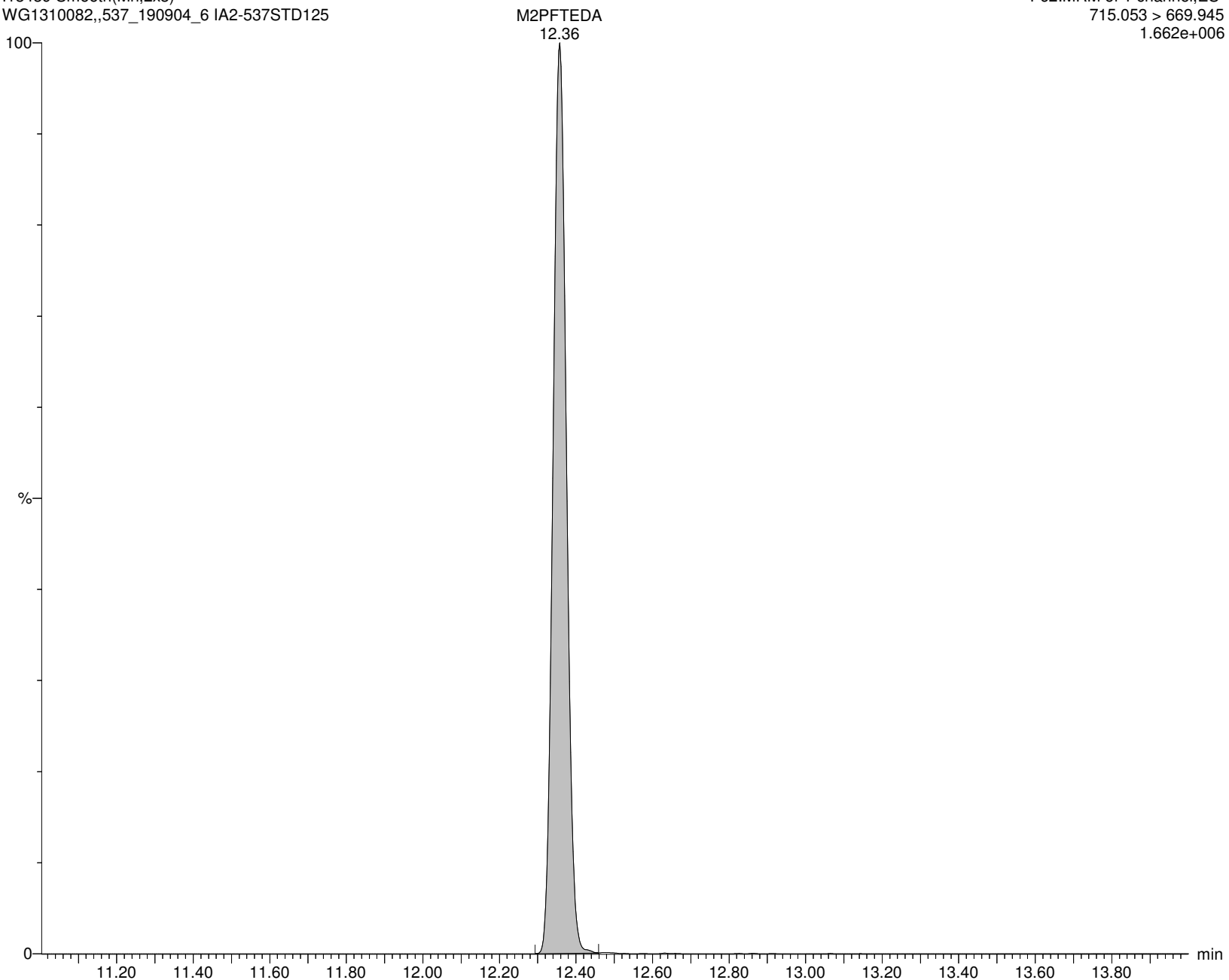
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.662e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439**ID: IA2-537STD125****Date: 18-Nov-2019****Time: 12:00:10****Description: WG1310082,,537_190904_6****User: LCMS02:JW****Vial: 1:A,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

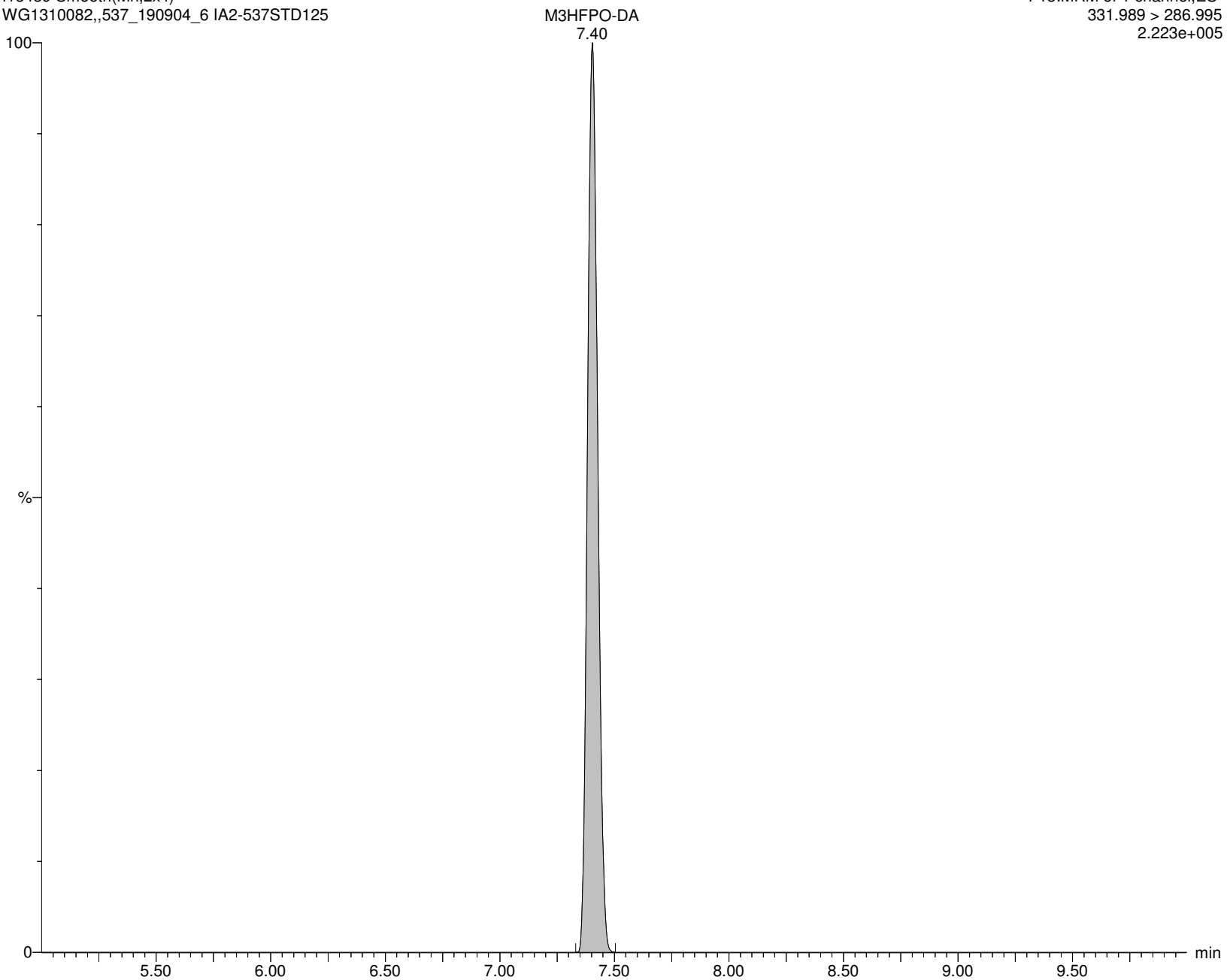
I13439 Smooth(Mn,2x4)

WG1310082,,537_190904_6 IA2-537STD125

F13:MRM of 1 channel,ES-

331.989 > 286.995

2.223e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

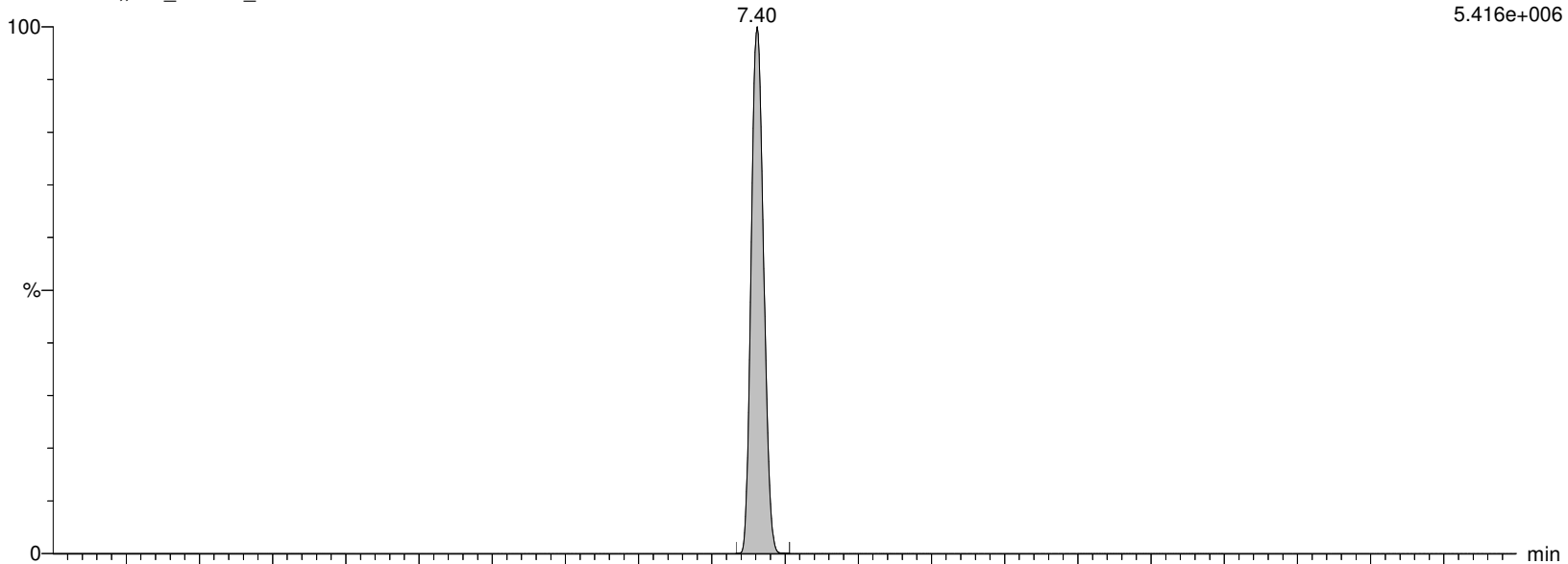
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F6:MRM of 2 channels,ES-

284.819 > 169.094

5.416e+006



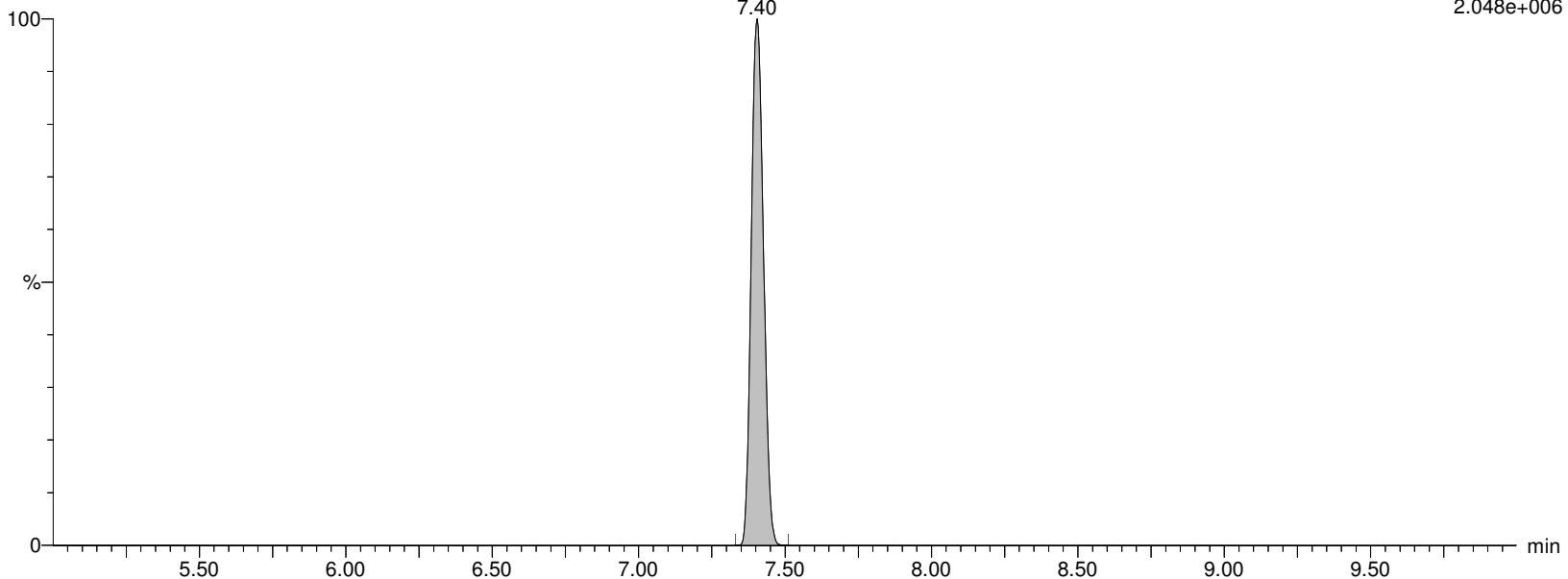
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F6:MRM of 2 channels,ES-

328.989 > 284.982

2.048e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

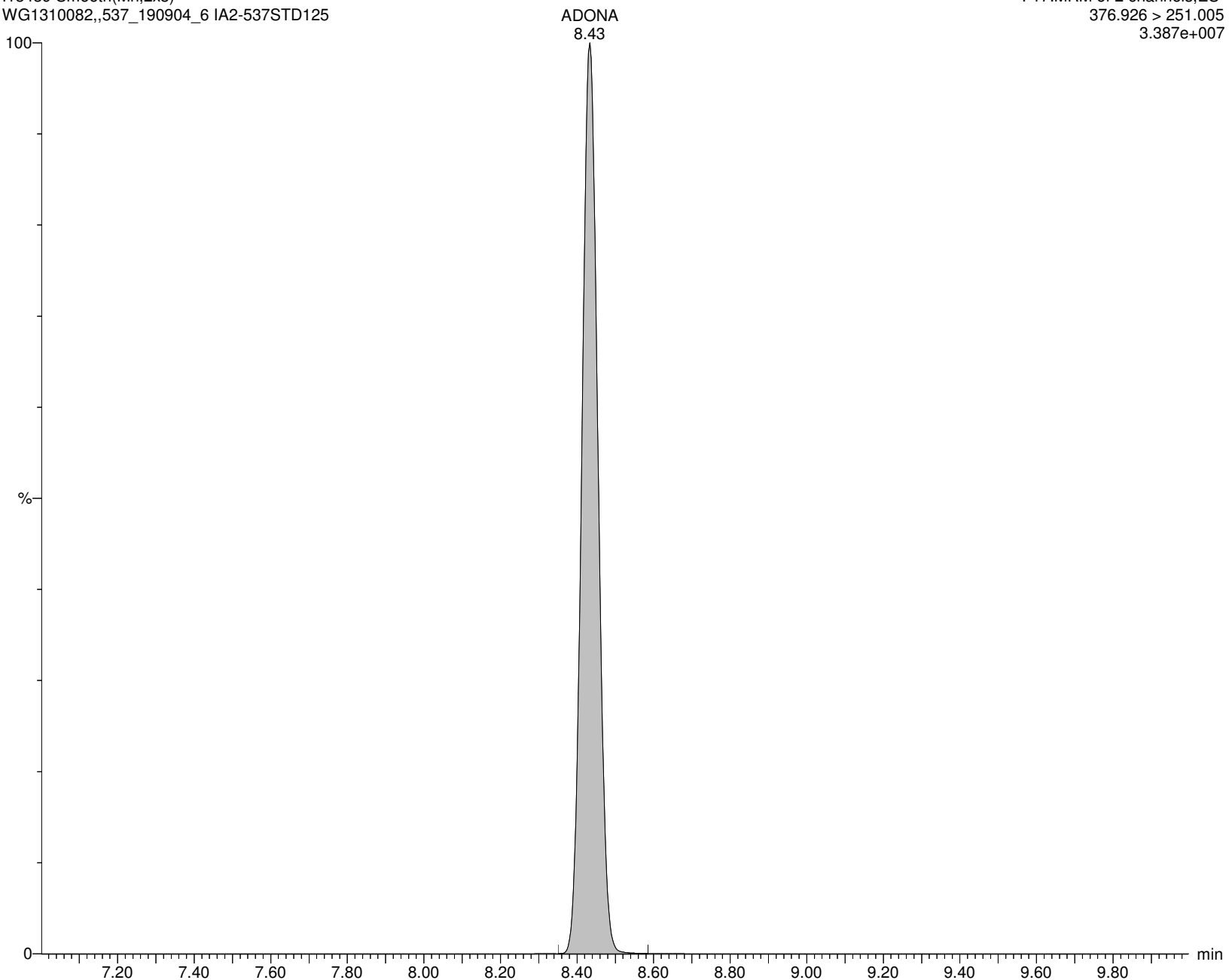
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F17:MRM of 2 channels,ES-

376.926 > 251.005

3.387e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxDA

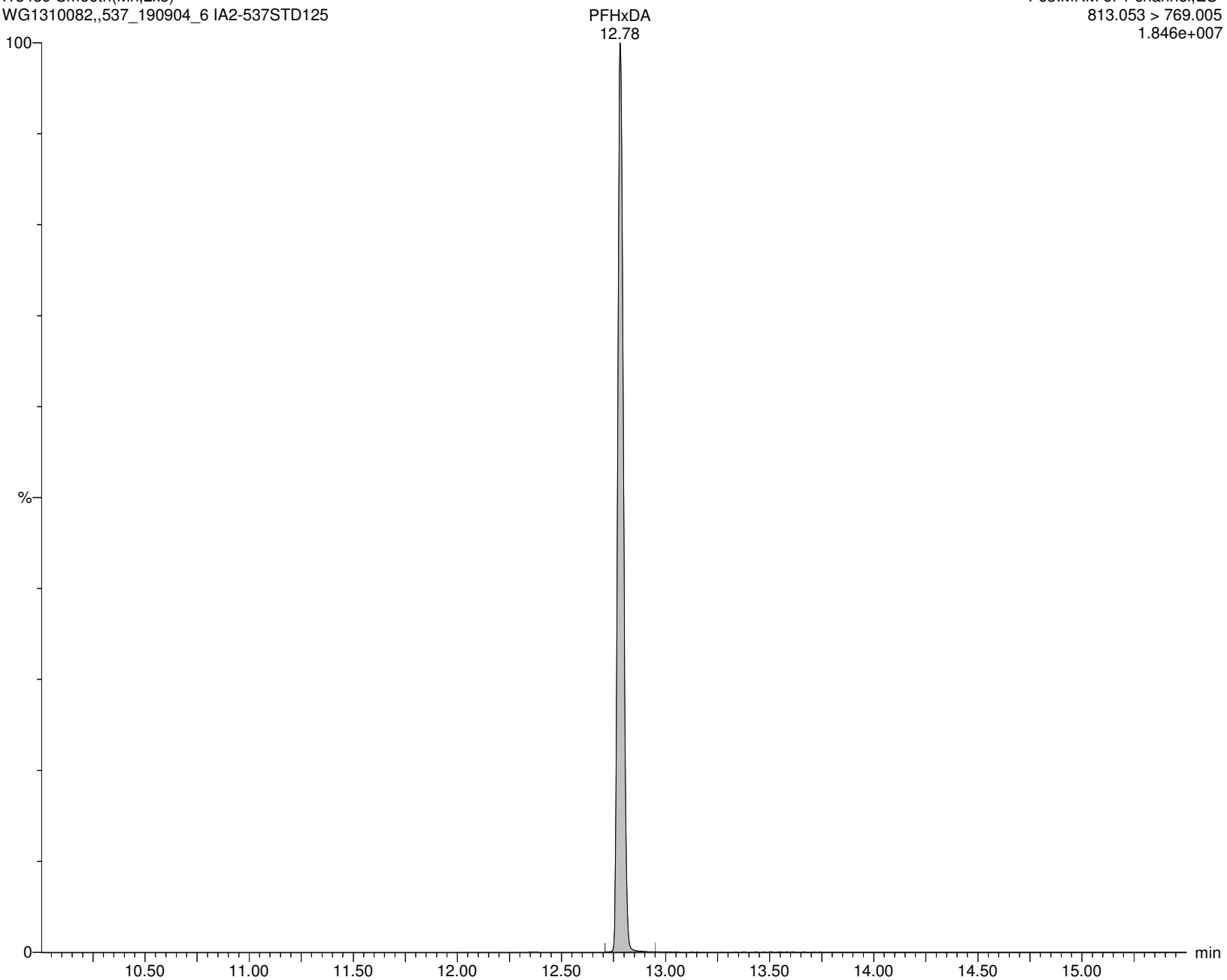
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.846e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

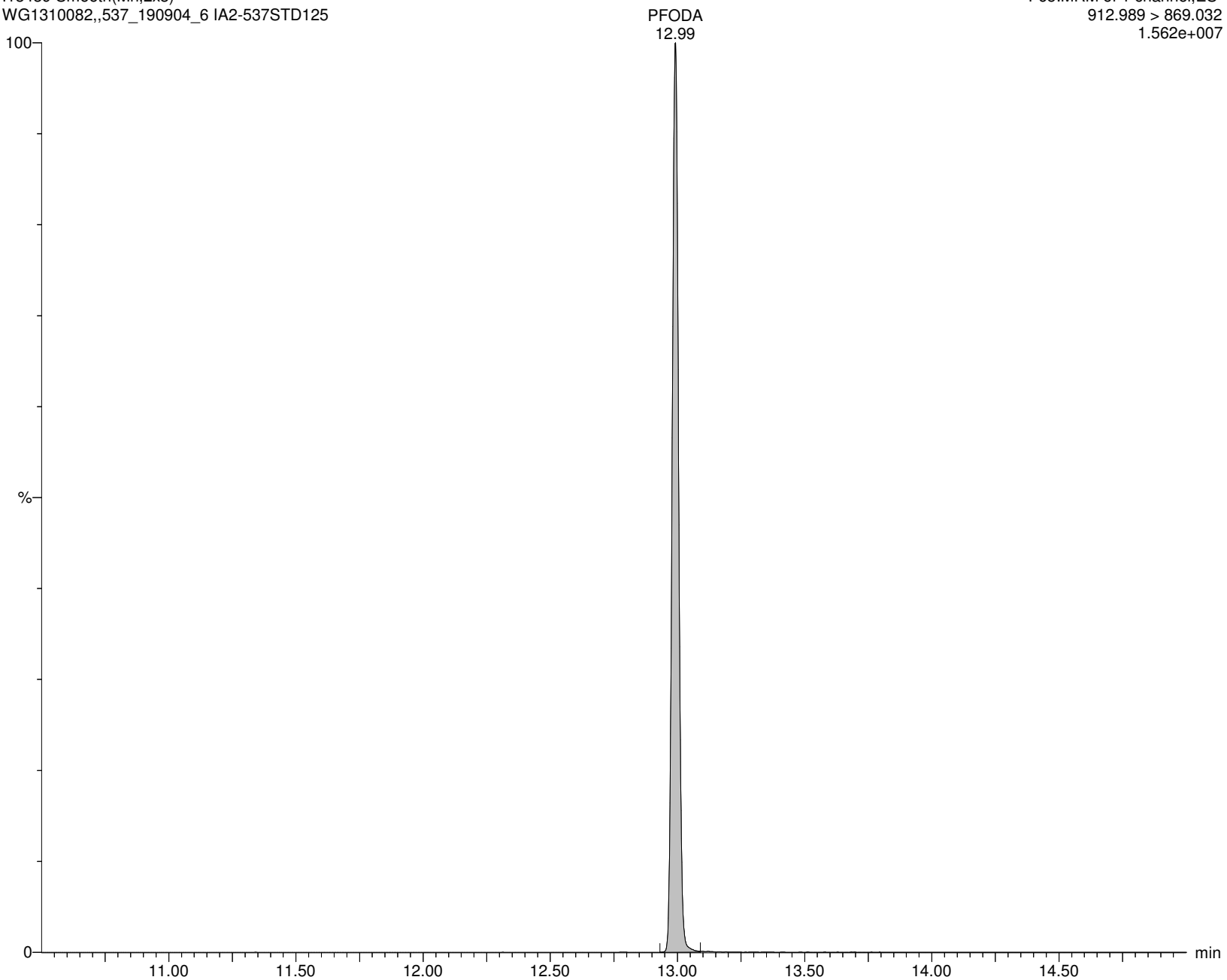
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.562e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439**ID: IA2-537STD125****Date: 18-Nov-2019****Time: 12:00:10****Description: WG1310082,,537_190904_6****User: LCMS02:JW****Vial: 1:A,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

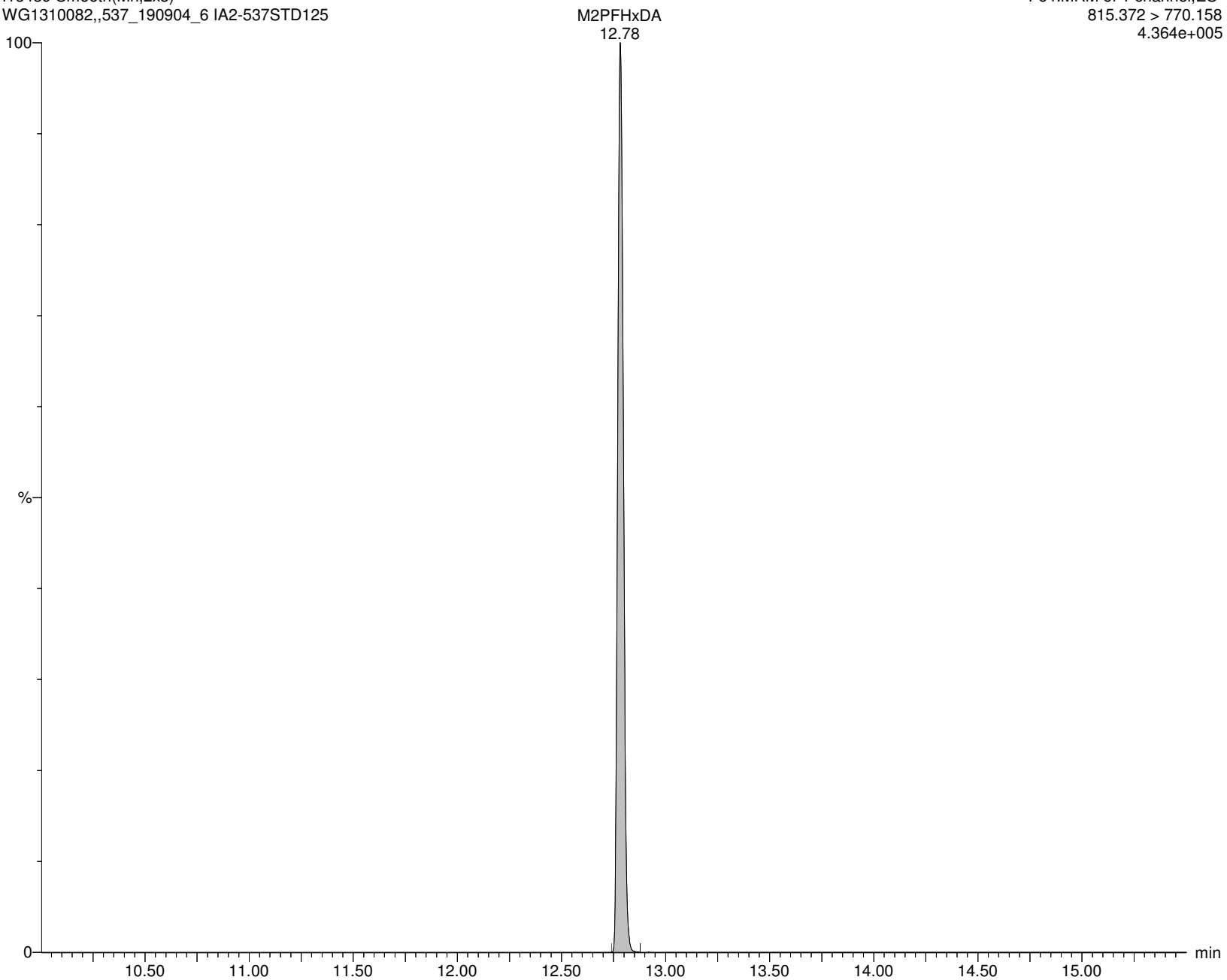
I13439 Smooth(Mn,2x3)

WG1310082,,537_190904_6 IA2-537STD125

F64:MRM of 1 channel,ES-

815.372 > 770.158

4.364e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13439 Smooth(Mn,2x5)

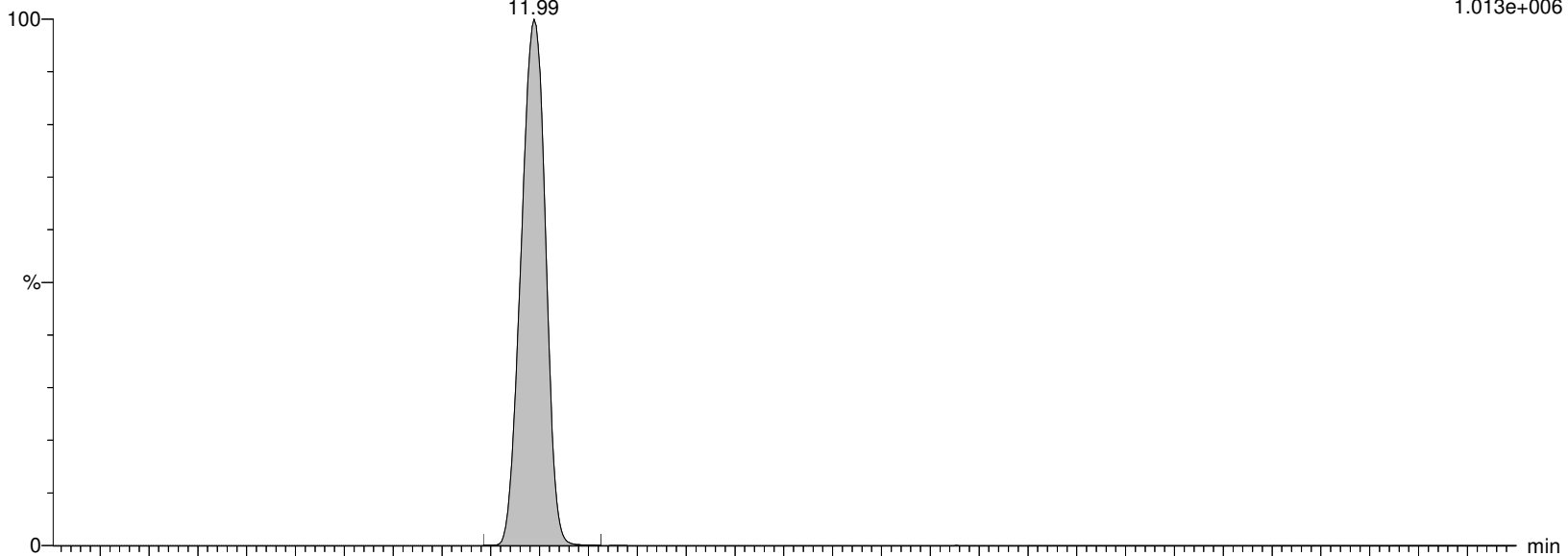
WG1310082,,537_190904_6 IA2-537STD125

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.013e+006



I13439 Smooth(Mn,2x5)

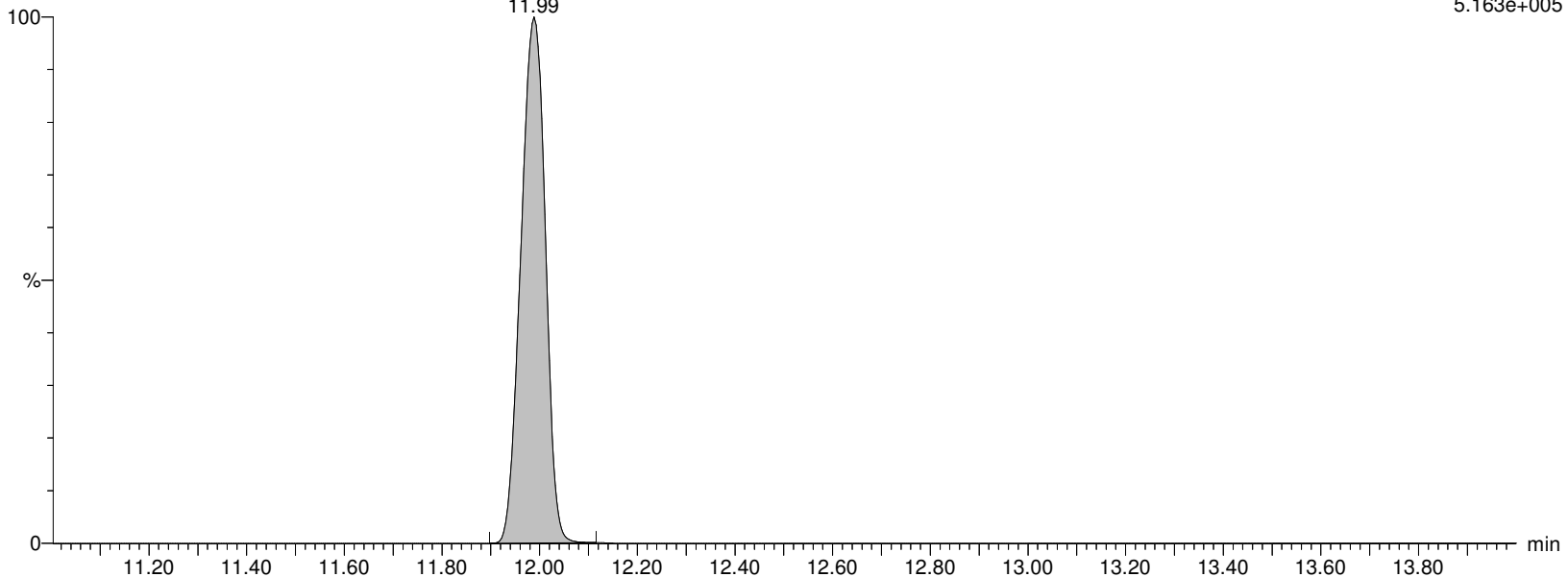
WG1310082,,537_190904_6 IA2-537STD125

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

5.163e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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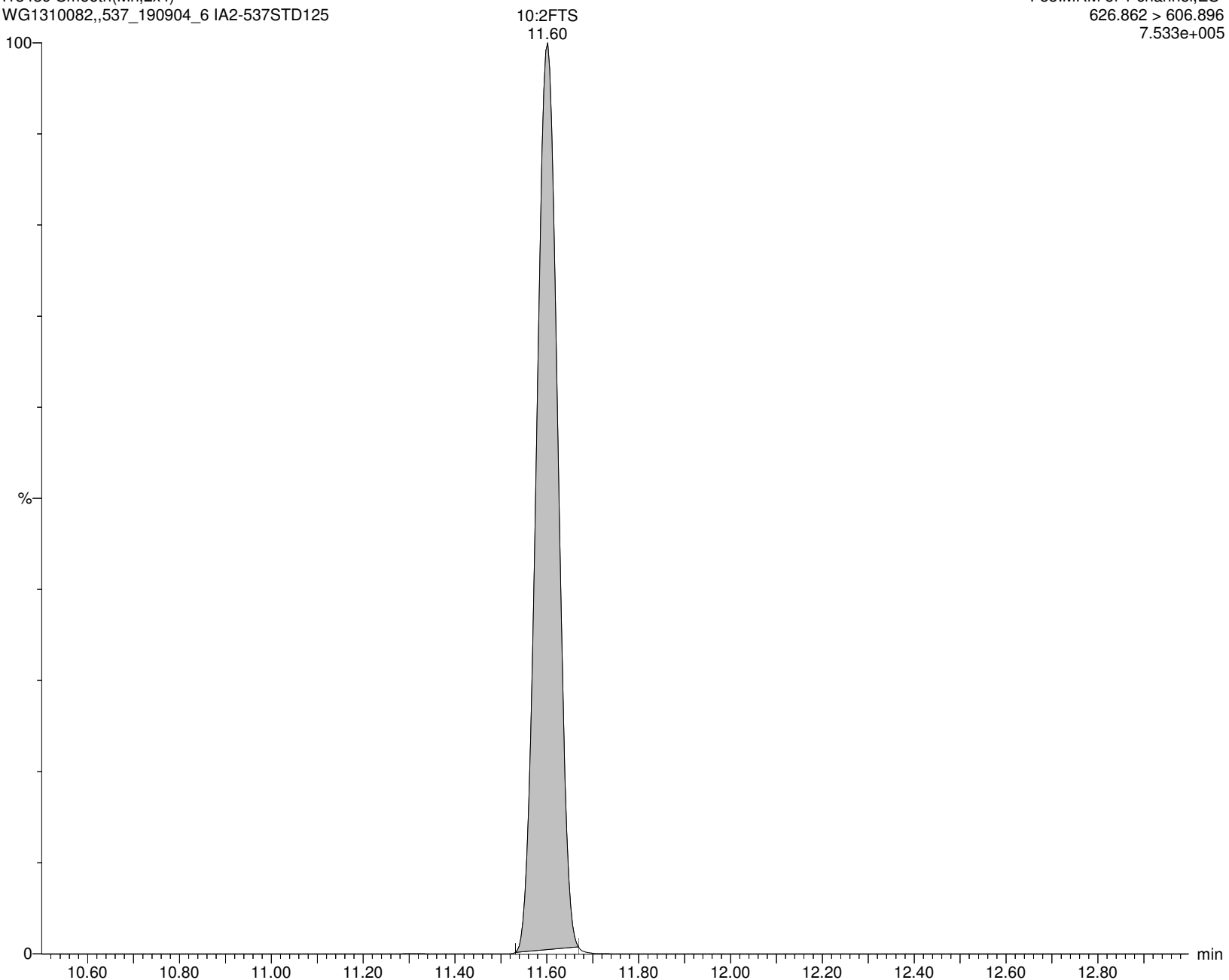
I13439 Smooth(Mn,2x4)

WG1310082,,537_190904_6 IA2-537STD125

F55:MRM of 1 channel,ES-

626.862 > 606.896

7.533e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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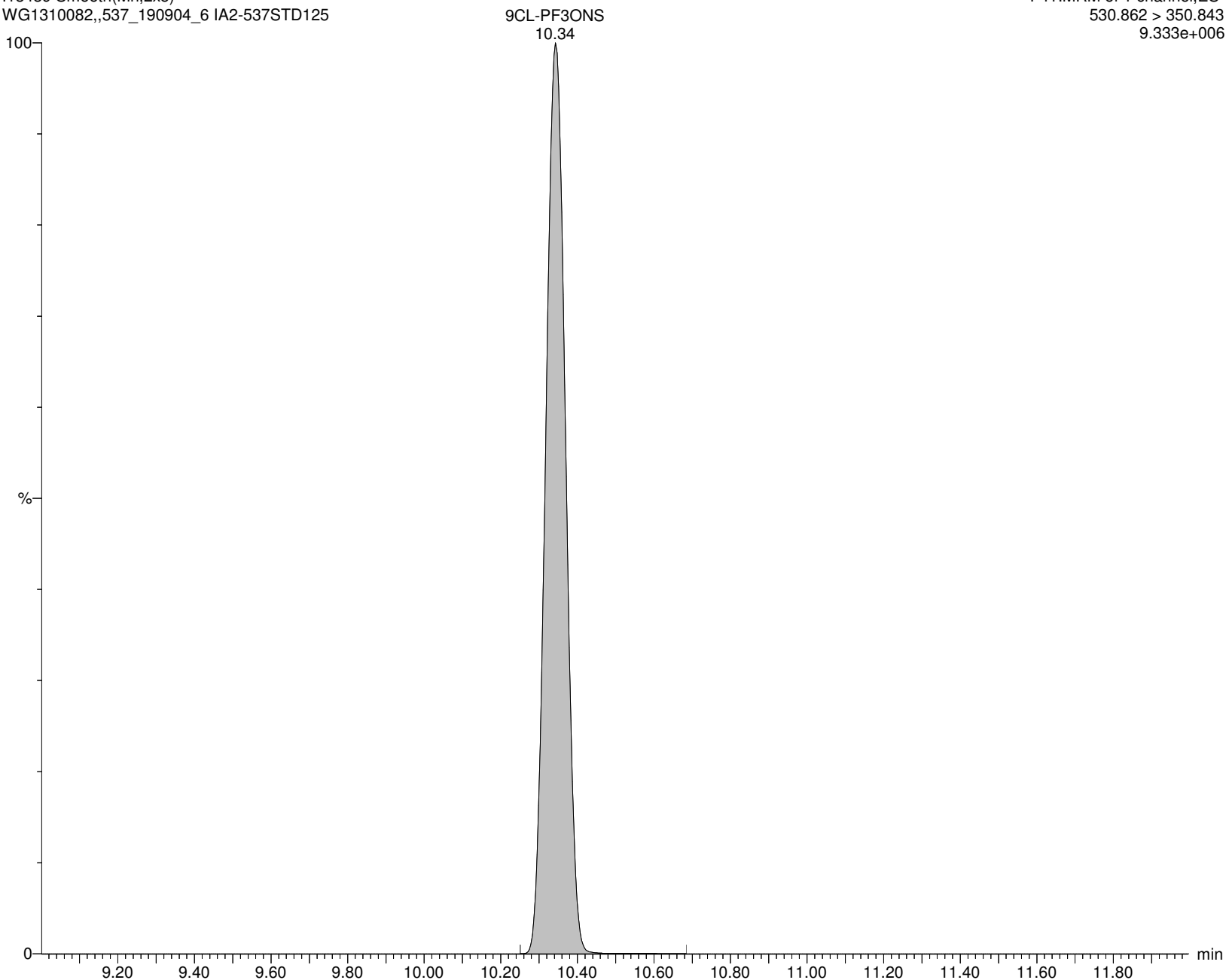
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F41:MRM of 1 channel,ES-

530.862 > 350.843

9.333e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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11CL-PFOUdS

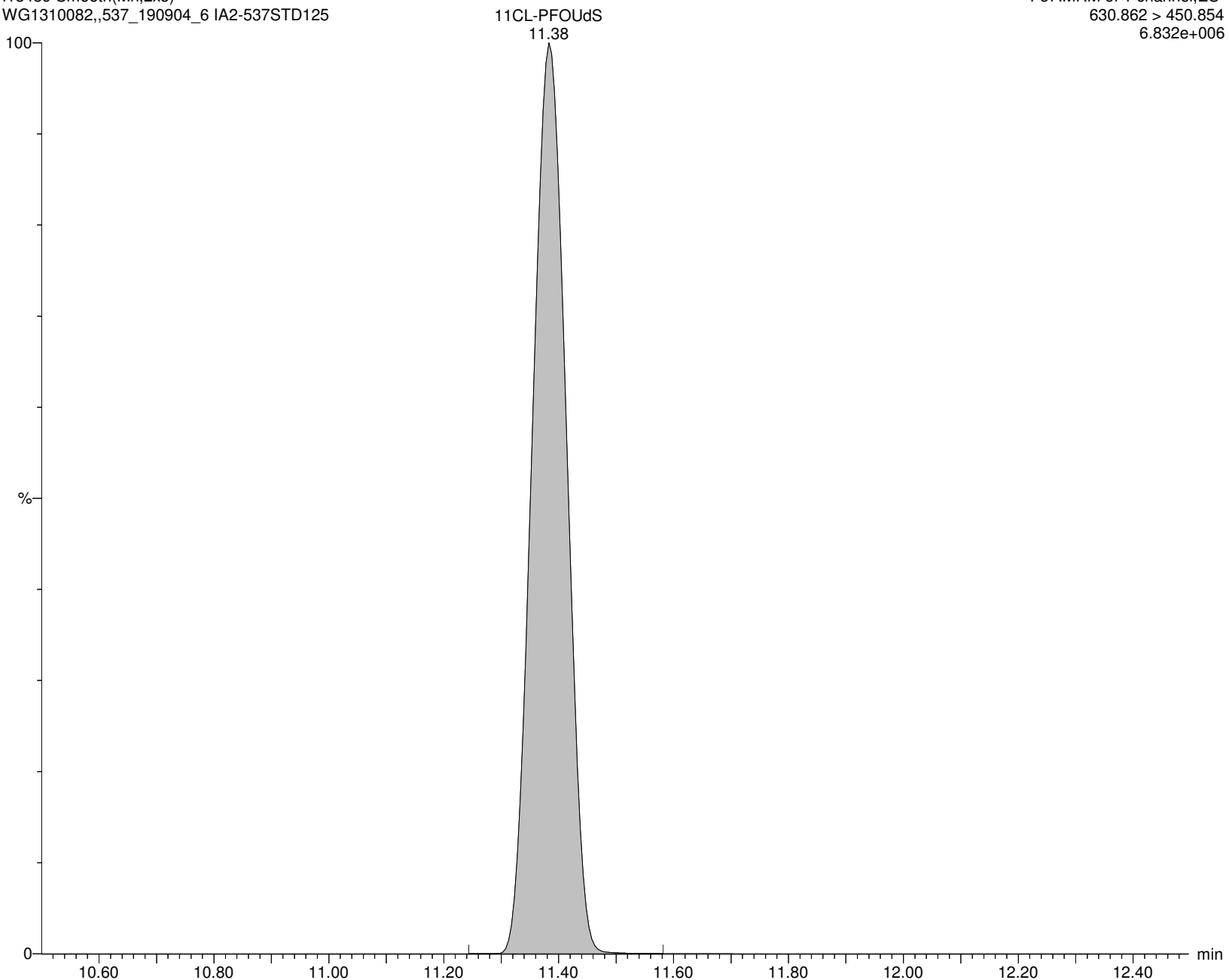
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F57:MRM of 1 channel,ES-

630.862 > 450.854

6.832e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

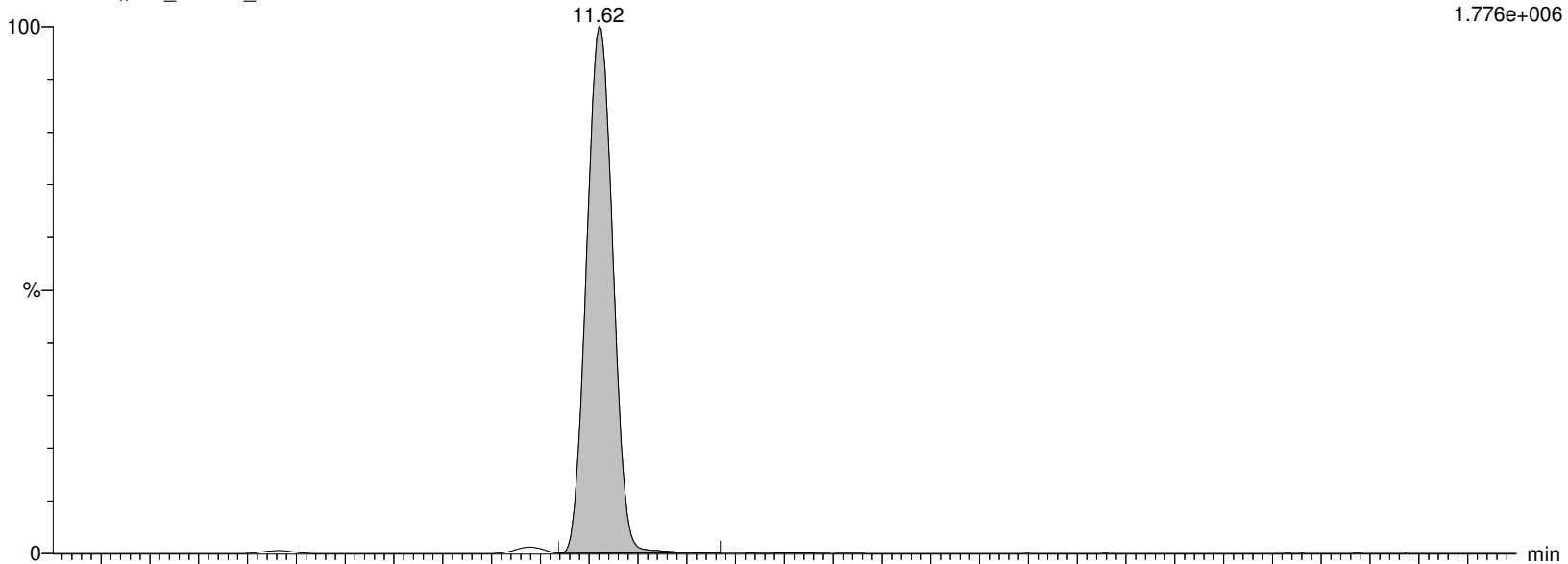
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F33:MRM of 2 channels,ES-

511.804 > 168.906

1.776e+006



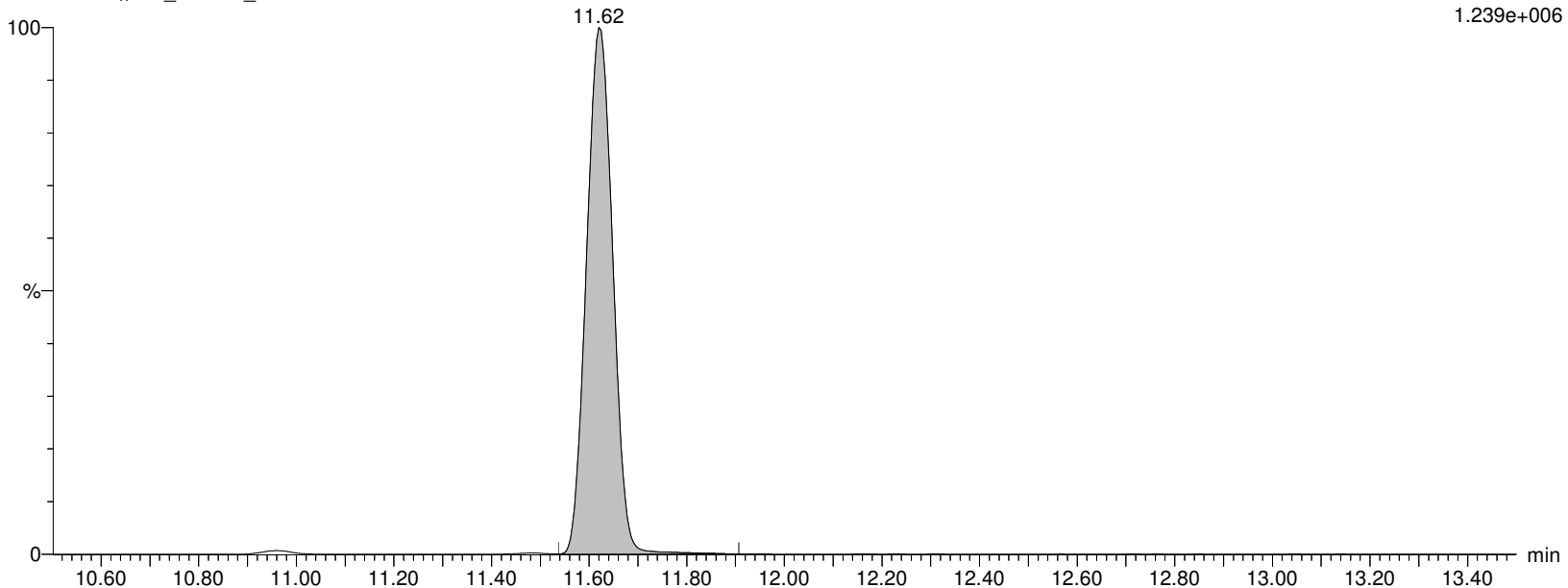
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F33:MRM of 2 channels,ES-

511.804 > 218.918

1.239e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

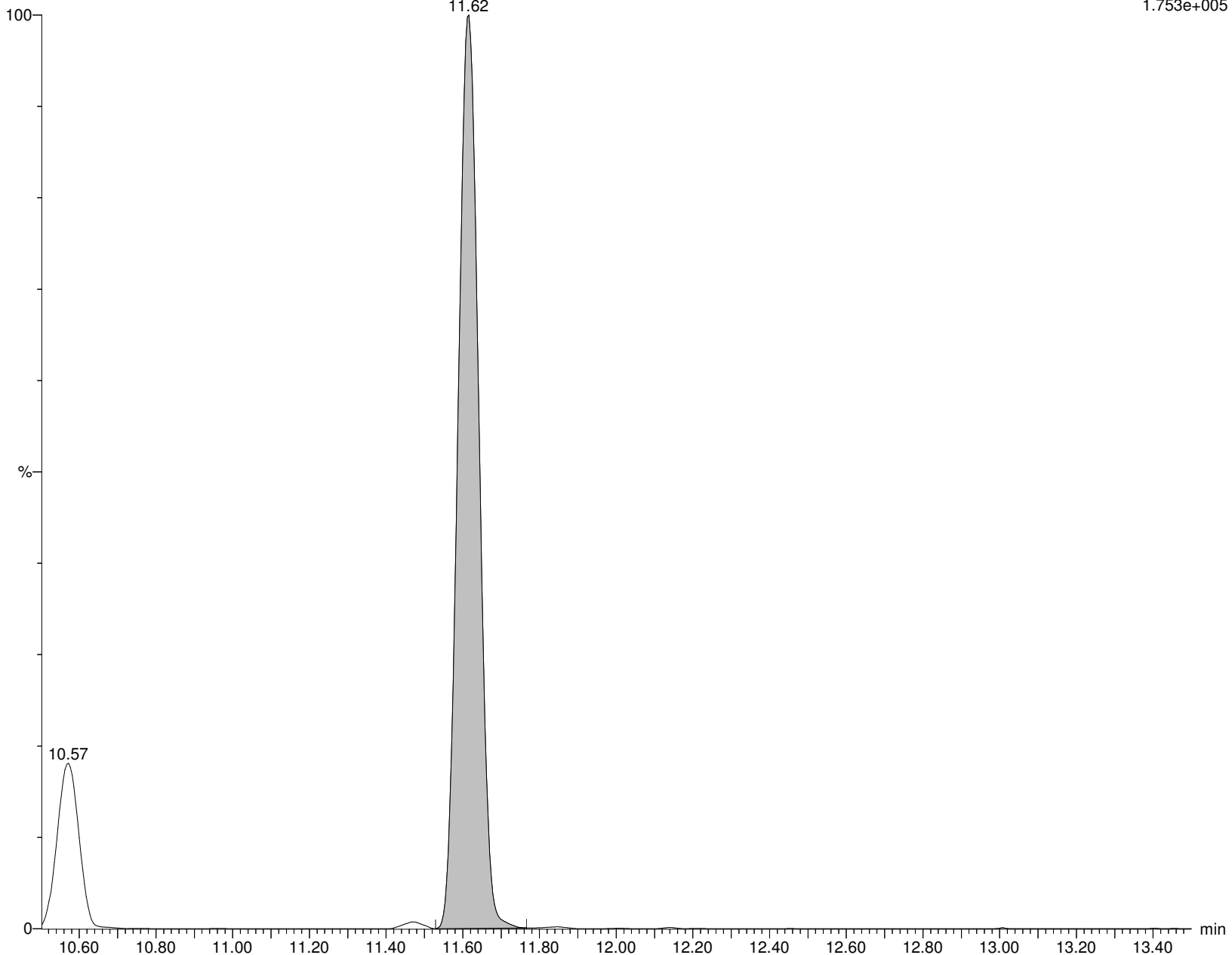
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.753e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

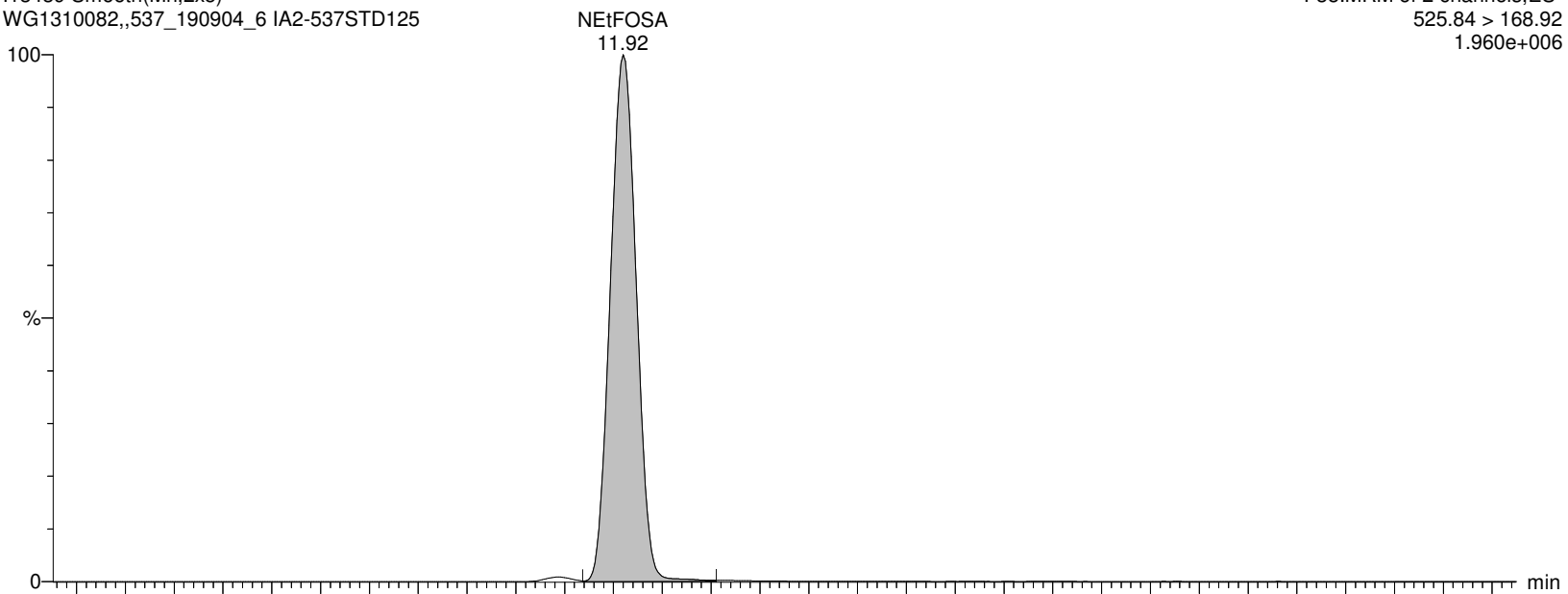
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F38:MRM of 2 channels,ES-

525.84 > 168.92

1.960e+006



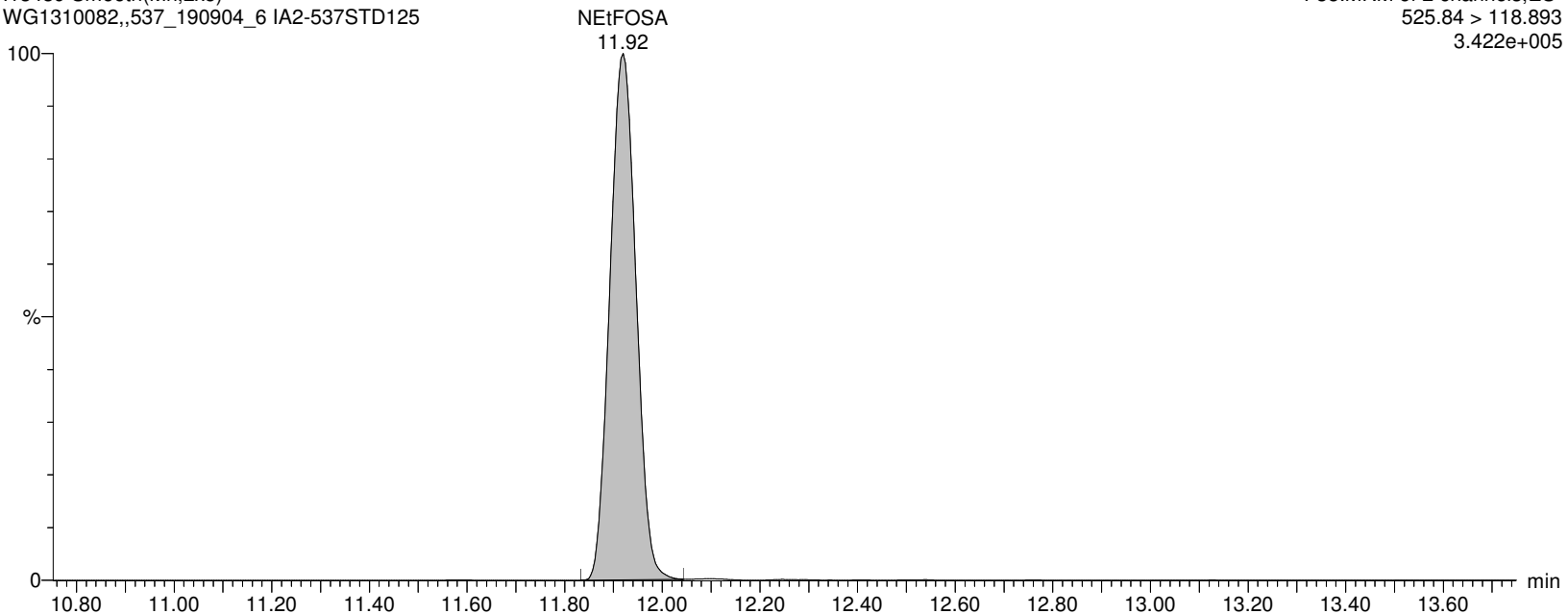
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F38:MRM of 2 channels,ES-

525.84 > 118.893

3.422e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439**ID: IA2-537STD125****Date: 18-Nov-2019****Time: 12:00:10****Description: WG1310082,,537_190904_6****User: LCMS02:JW****Vial: 1:A,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

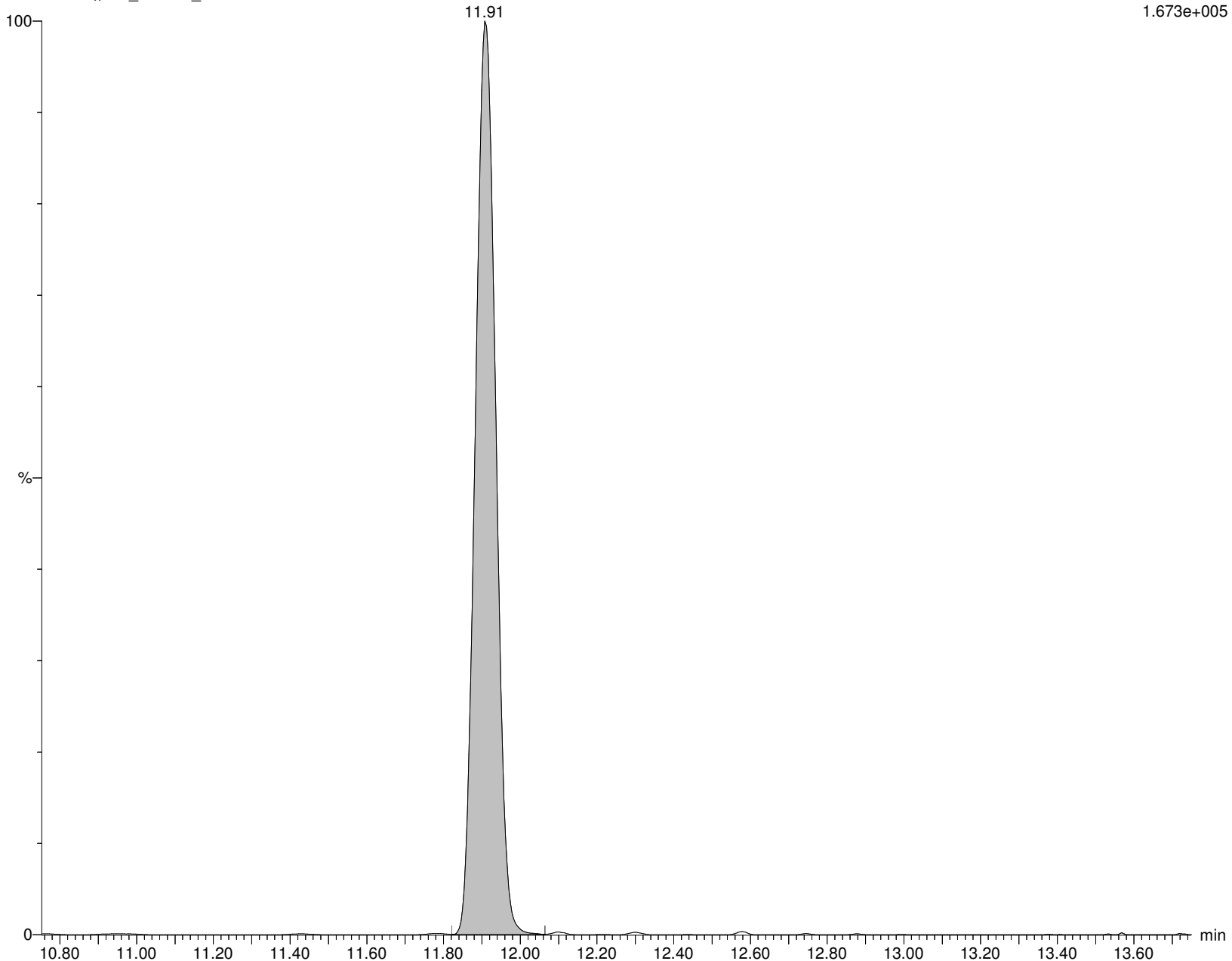
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.673e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

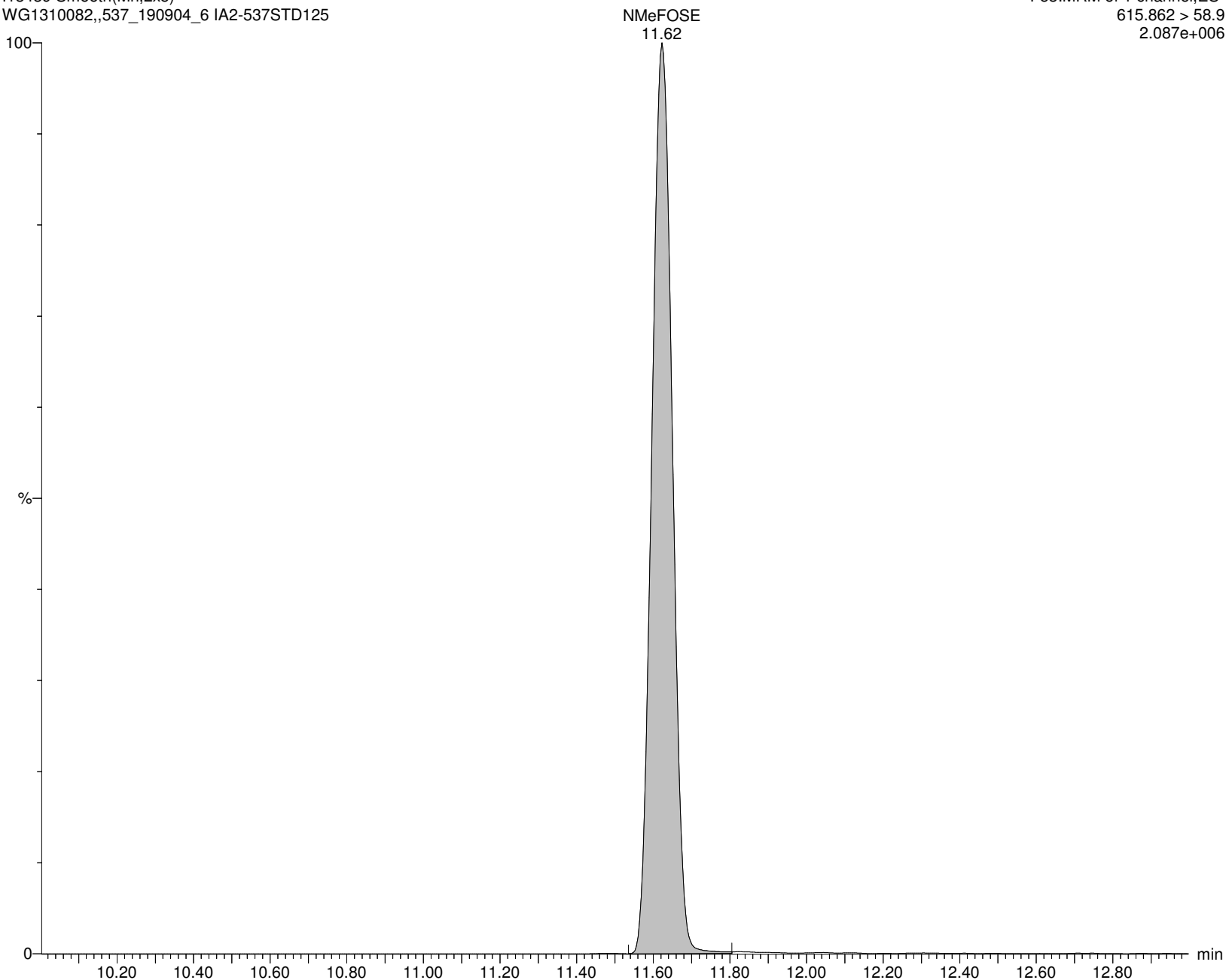
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F53:MRM of 1 channel,ES-

615.862 > 58.9

2.087e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

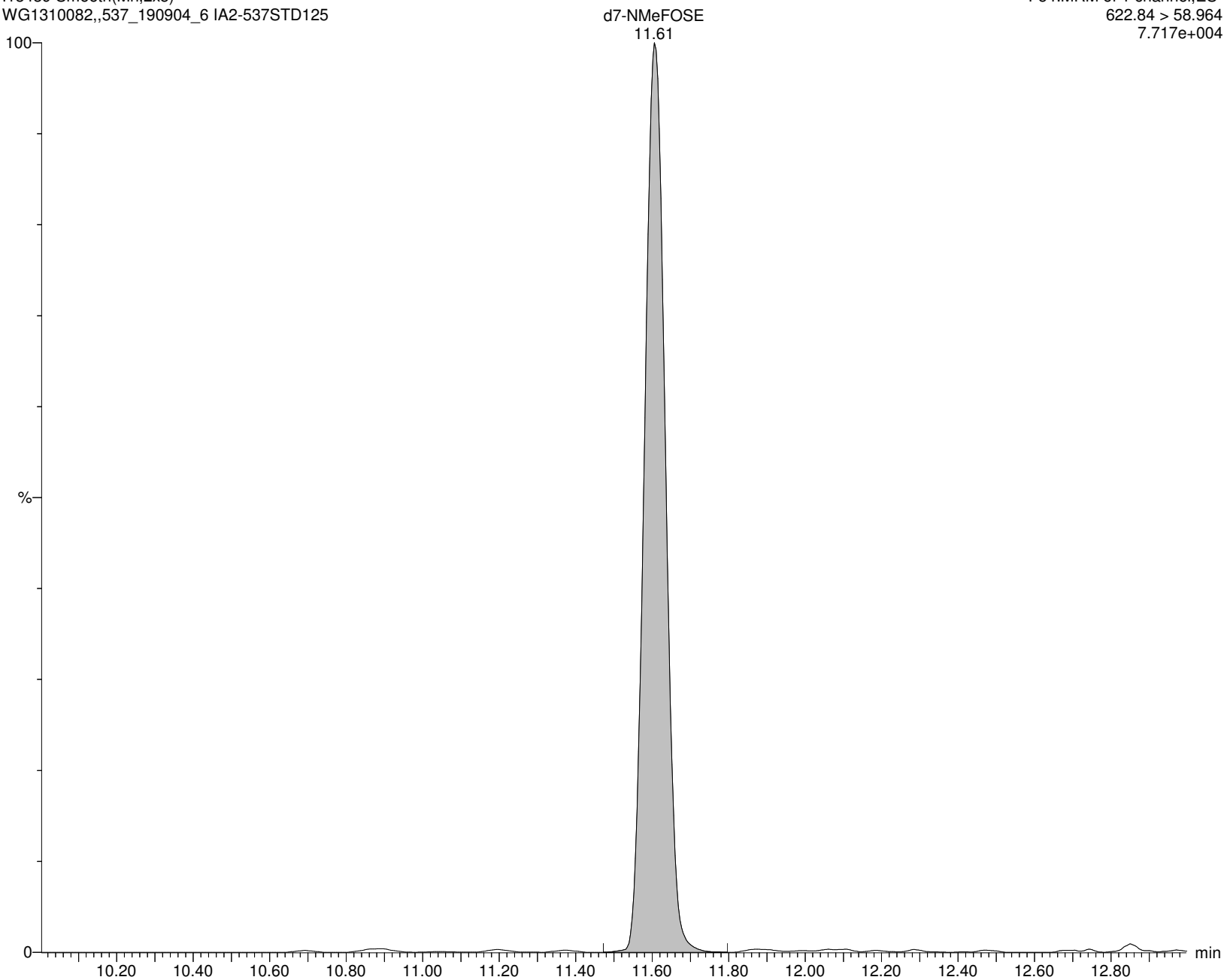
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F54:MRM of 1 channel,ES-

622.84 > 58.964

7.717e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSE

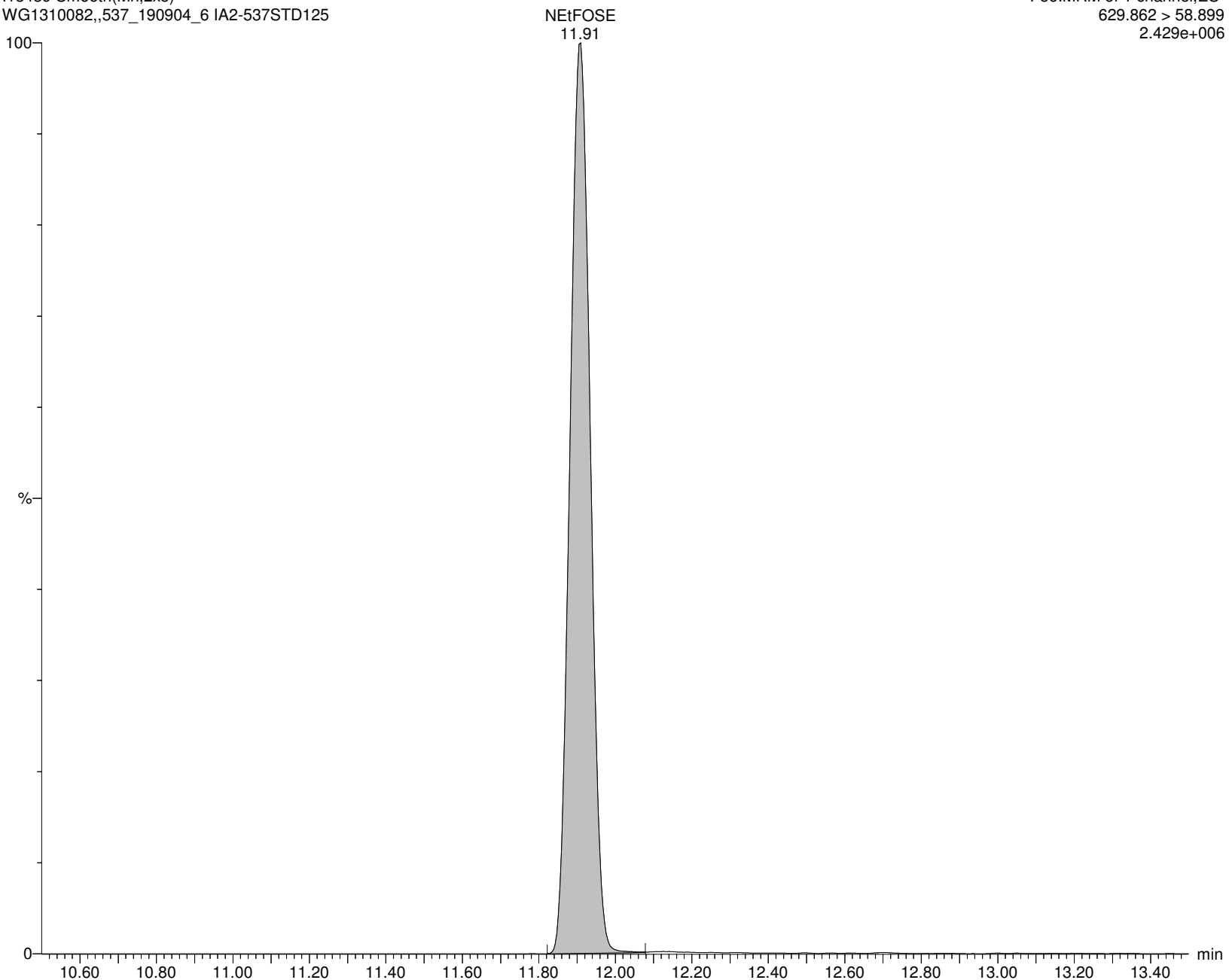
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F56:MRM of 1 channel,ES-

629.862 > 58.899

2.429e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:42:59 Eastern Standard Time

Name: I13439

ID: IA2-537STD125

Date: 18-Nov-2019

Time: 12:00:10

Description: WG1310082,,537_190904_6

User: LCMS02:JW

Vial: 1:A,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

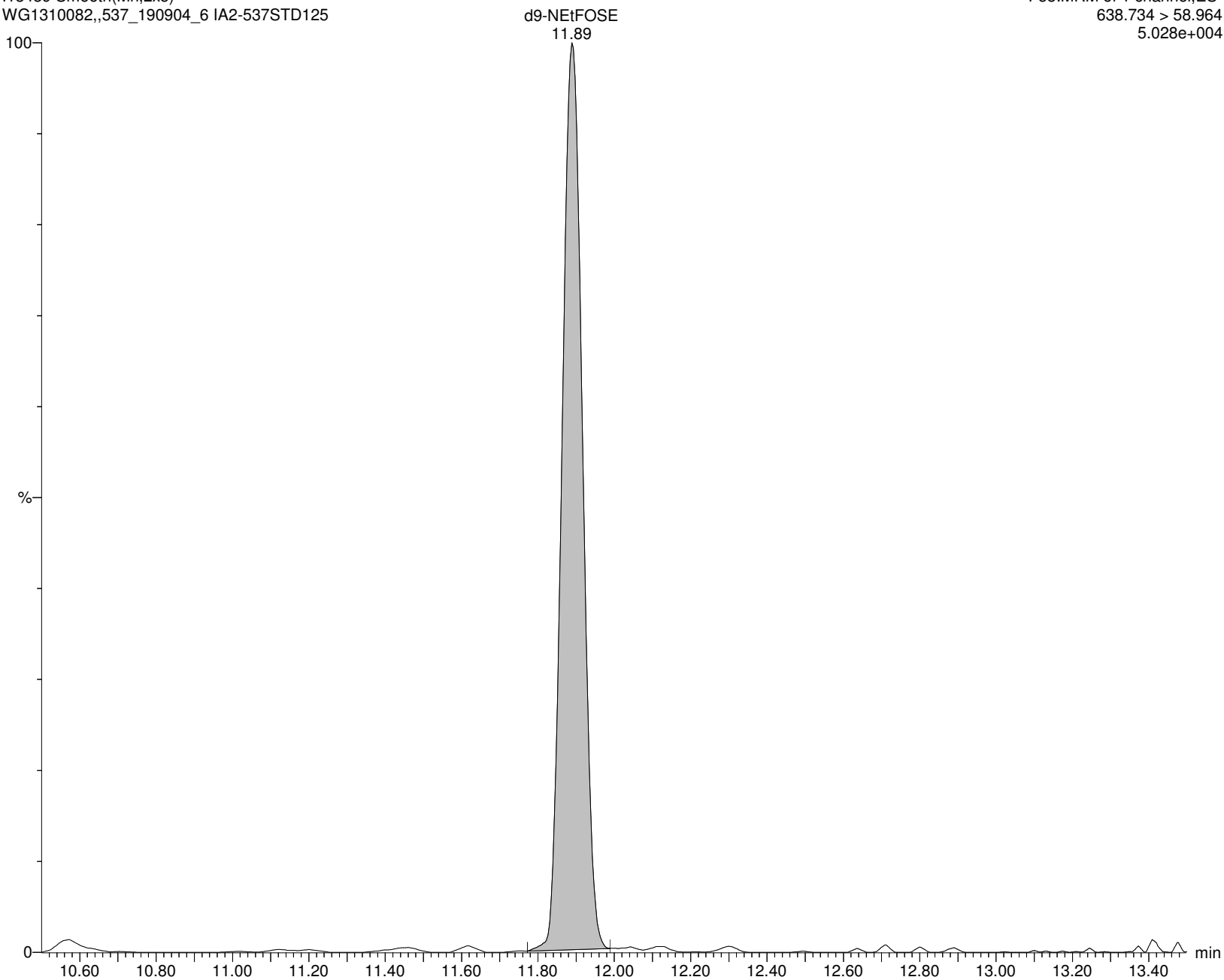
I13439 Smooth(Mn,2x5)

WG1310082,,537_190904_6 IA2-537STD125

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.028e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD150

Name: I13440

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	626725		152.770		na	101.8
2	M3PFBA	INT STD	2.19	215.926 > 172.122	44321		9.565		na	95.7
3	MPFBA	INT STD	2.19	216.926 > 172.137	49132		10.186		na	101.9
4	PFPeA	2706-90-3	5.09	262.926 > 219.002	1014589		152.143		na	101.4
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	69048		10.093		na	100.9
6	PFBS	375-73-5	5.74	298.926 > 79.923	183933		136.241	1.89	NO	102.6
7	M3PFBS	INT STD	5.74	301.989 > 80.254	9189		10.380		na	103.8
8	4:2FTS	757124-72-4	6.91	326.926 > 306.957	86895		157.479	2.21	NO	112.3
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	9331		16.234		na	162.3
10	PFHxA	307-24-4	6.99	312.989 > 269.028	1081576		153.479	18.51	NO	102.3
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	76552		10.205		na	102.1
12	PFPeS	2706-91-4	7.30	348.926 > 80.251	121259		138.608	1.78	NO	98.3
13	PFHpA	375-85-9	8.25	362.926 > 319.014	1427443		153.988	5.91	NO	102.7
14	M4PFHpA	INT STD	8.25	366.926 > 321.979	102764		10.285		na	102.8
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	18596	M5	25.883	2.38	NO	101.5
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	73279		111.834	1.16	NO	100.8
17	PFHxS	355-46-4		398.926 > 80.295	91875		137.717		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	5231		10.237		na	102.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	1380425		153.321	10.18	NO	102.2
21	PFOA	335-67-1		412.989 > 368.9	1380425		153.321		na	
22	M8PFOA	INT STD	9.19	420.989 > 375.979	98053		10.226		na	102.3
23	M2PFOA	INT STD	9.19	415.032 > 369.968	97991		9.270		na	92.7
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	66169		145.112	10.43	NO	101.8
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	8491		15.115		na	151.2
26	PFHpS	375-92-8	9.28	448.926 > 80.257	65509		151.638	0.85	YES	106.4
27	PFNA	375-95-1	9.94	462.989 > 418.931	1196780		151.249	4.46	NO	100.8
28	M9PFNA	INT STD	9.94	472.053 > 426.947	96586		10.238		na	102.4
29	br-PFOS	1763-23-1	9.80	498.989 > 80.294	28882	M5	30.417	4.33	NO	101.4
30	L-PFOS	1763-23-1	9.99	498.989 > 80.294	73591		114.296	1.52	YES	104.4
31	PFOS	1763-23-1		498.989 > 80.294	102473		144.713		na	
32	M4PFOS	INT STD	9.99	503.032 > 80.306	6325		9.056		na	90.6
33	M8PFOS	INT STD	9.99	507.053 > 80.294	6561		10.109		na	101.1
34	PFDA	335-76-2	10.57	513.053 > 468.906	1090370		154.634	6.85	NO	103.1
35	M2PFDA	INT STD	10.57	515.053 > 469.934	77816		8.814		na	88.1
36	M6PFDA	INT STD	10.57	519.053 > 473.931	82199		10.221		na	102.2
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	47139		ND		na	
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	4959		15.048		na	150.5
39	PFNS	68259-12-1	10.60	548.989 > 80.249	90356		148.060	1.24	NO	102.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

ID: IA2-537STD150

Name: I13440

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	9724		10.617		na	106.2
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	146965		162.157	2.74	NO	108.1
43	NMeFOSAA	2355-31-9		570.053 > 418.917	146965		162.157		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	1013266		151.620	8.25	NO	101.1
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	69883		9.795		na	97.9
46	PFDS	335-77-3	11.12	598.926 > 80.314	65178		149.422	0.99	NO	103.2
47	FOSA	754-91-6	11.01	497.989 > 78.245	333812		147.280	120.34	NO	98.2
48	M8FOSA	INT STD	11.01	506.053 > 78.286	21330		11.218		na	112.2
49	d5-NEtFOSAA	INT STD	11.24	589.117 > 418.929	9186		11.353		na	113.5
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND	0.00	NO	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	136569		157.490	2.64	NO	105.0
52	NEtFOSAA	2991-50-6		583.989 > 418.927	136569		157.490		na	
53	PFDaA	307-55-1	11.59	612.989 > 568.967	1093507		154.839	14.29	NO	103.2
54	MPFDOA	INT STD	11.59	614.989 > 569.92	83381		10.417		na	104.2
55	PFTrDA	72629-94-8	12.00	663.053 > 618.969	780709		151.037	10.89	NO	100.7
56	PFTA	376-06-7	12.36	713.053 > 668.976	832832		158.787	9.10	NO	105.9
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	65494		10.301		na	103.0
58	M3HFPO-DA	INT STD	7.40	331.989 > 286.995	12097		287.953		na	144.0
59	HFPO-DA	13252-13-6	7.40	284.819 > 169.094	306093		3047.579	2.68	YES	101.6
60	ADONA	958445-44-8	8.43	376.926 > 251.005	1853079		143.757		na	101.3
61	PFHxDA		12.78	813.053 > 769.005	689196		150.297		na	100.2
62	PFODA		12.99	912.989 > 869.032	517898		154.059		na	102.7
63	M2PFHxDA		12.78	815.372 > 770.158	13525		9.993		na	99.9
64	PFDoS		11.99	698.649 > 79.853	69331		155.917	1.91	YES	103.9
65	10:2FTS		11.60	626.862 > 606.896	47687		ND		na	
66	9CL-PF3ONS		10.34	530.862 > 350.843	635029		147.281		na	105.4
67	11CL-PFOUdS		11.38	630.862 > 450.854	542069		149.130		na	105.5
68	NMeFOSA		11.62	511.804 > 168.906	126611		161.032	1.50	NO	107.4
69	d3-NMeFOSA		11.62	514.84 > 168.917	10579		10.668		na	106.7
70	NEtFOSA		11.92	525.84 > 168.92	142438		150.612	5.67	NO	100.4
71	d5-NEtFOSA		11.91	530.904 > 168.919	10793		11.128		na	111.3
72	NMeFOSE		11.62	615.862 > 58.9	153742		160.875		na	107.2
73	d7-NMeFOSE		11.61	622.84 > 58.964	4724		10.171		na	101.7
74	NEtFOSE		11.91	629.862 > 58.899	178591		147.011		na	98.0
75	d9-NEtFOSE		11.89	638.734 > 58.964	3077		11.332		na	113.3

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

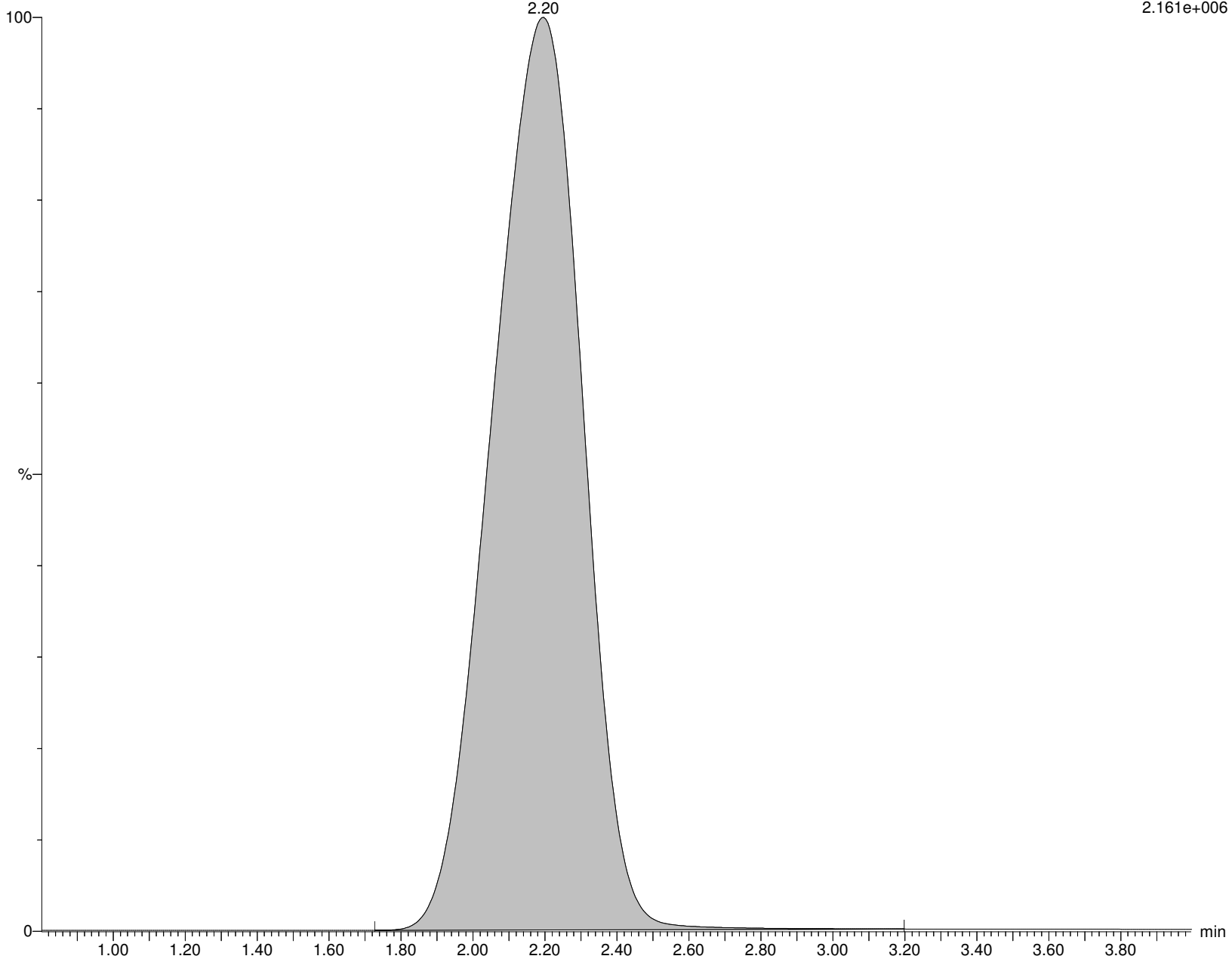
I13440 Smooth(Mn,8x8)

WG1310082,,537_190904_7 IA2-537STD150

F1:MRM of 1 channel,ES-

212.926 > 169.111

2.161e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

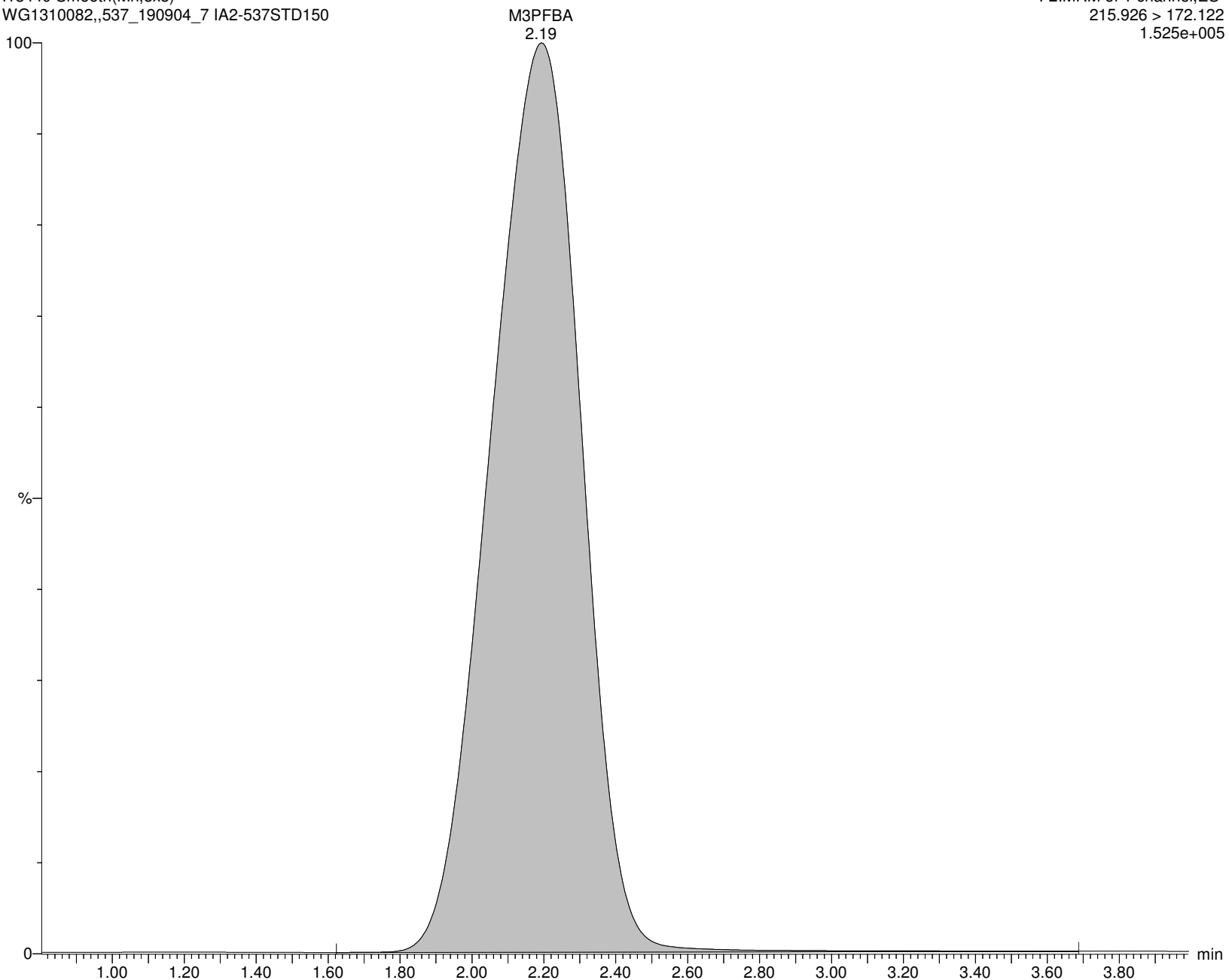
I13440 Smooth(Mn,8x8)

WG1310082,,537_190904_7 IA2-537STD150

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.525e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFBA

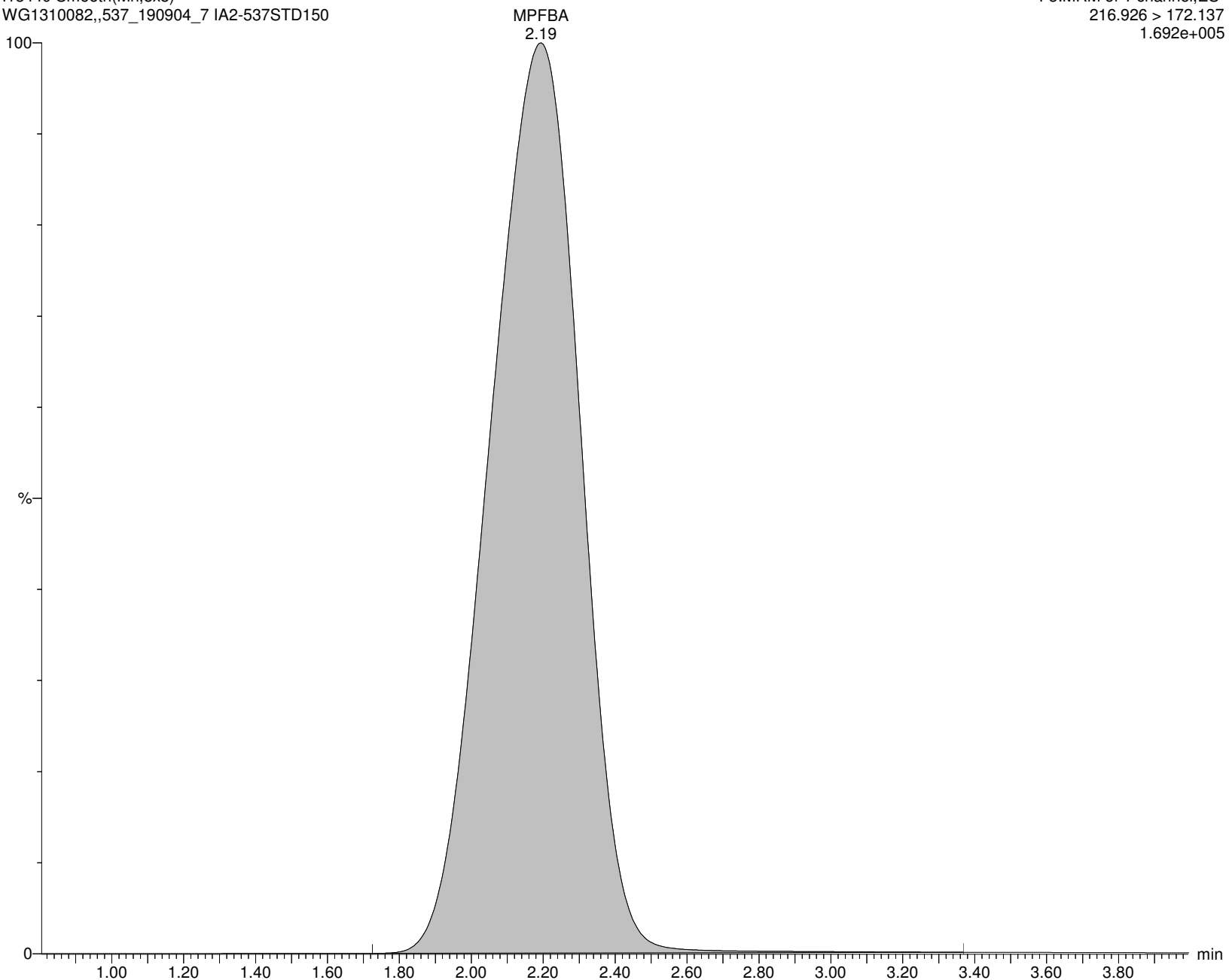
I13440 Smooth(Mn,8x8)

WG1310082,,537_190904_7 IA2-537STD150

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.692e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

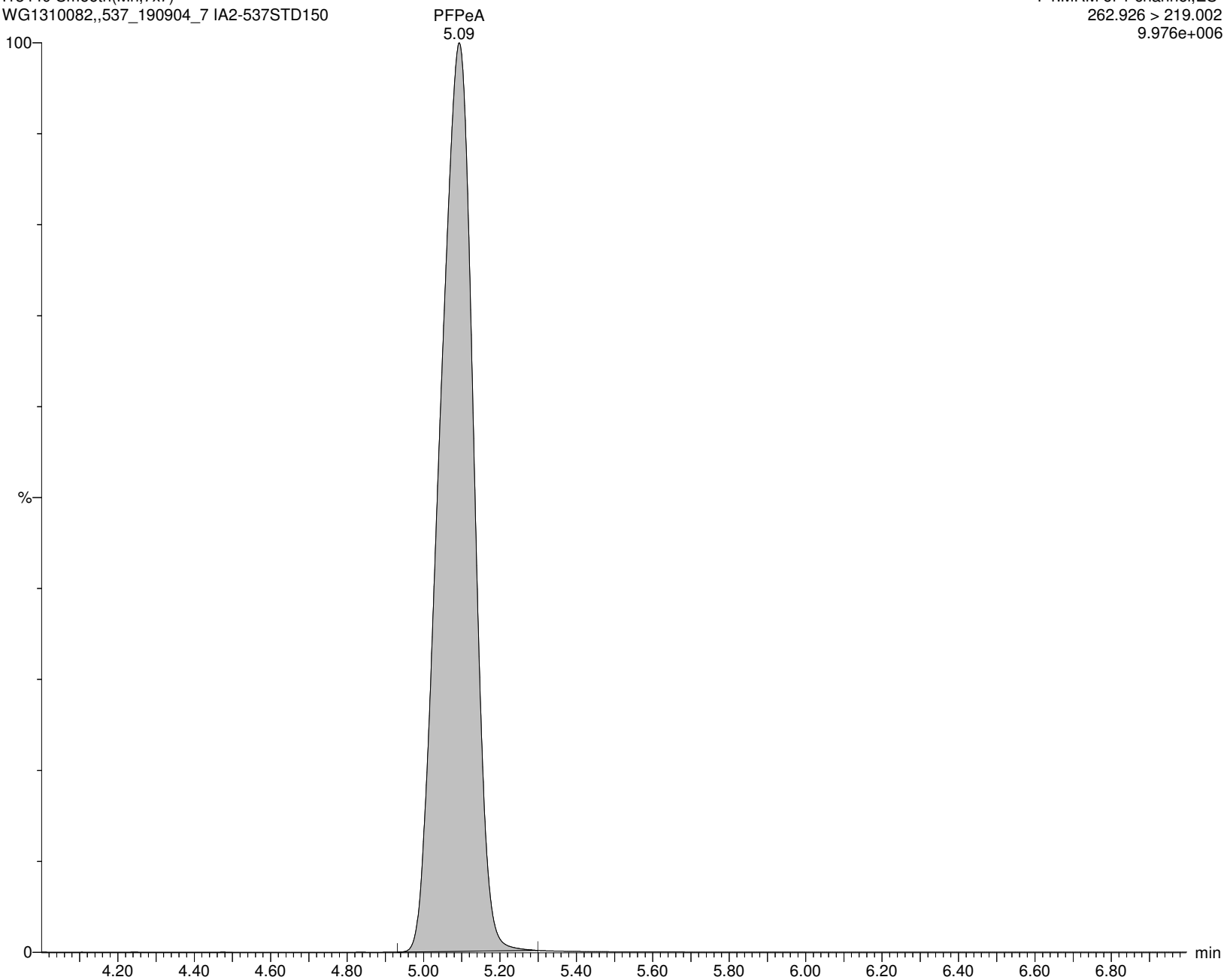
I13440 Smooth(Mn,7x7)

WG1310082,,537_190904_7 IA2-537STD150

F4:MRM of 1 channel,ES-

262.926 > 219.002

9.976e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

I13440 Smooth(Mn,10x10)

WG1310082,,537_190904_7 IA2-537STD150

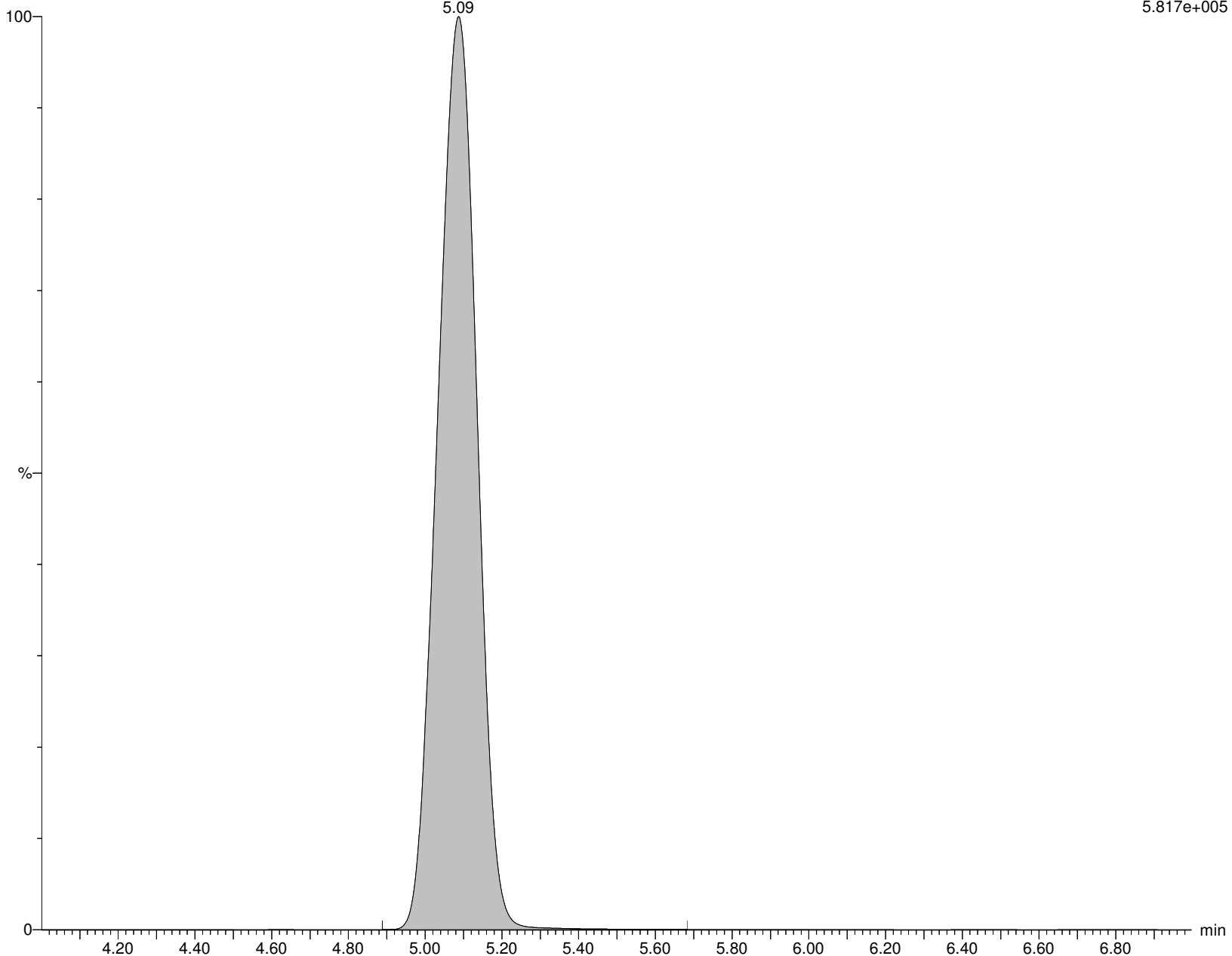
M5PFPEA

5.09

F5:MRM of 1 channel,ES-

267.989 > 223.081

5.817e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

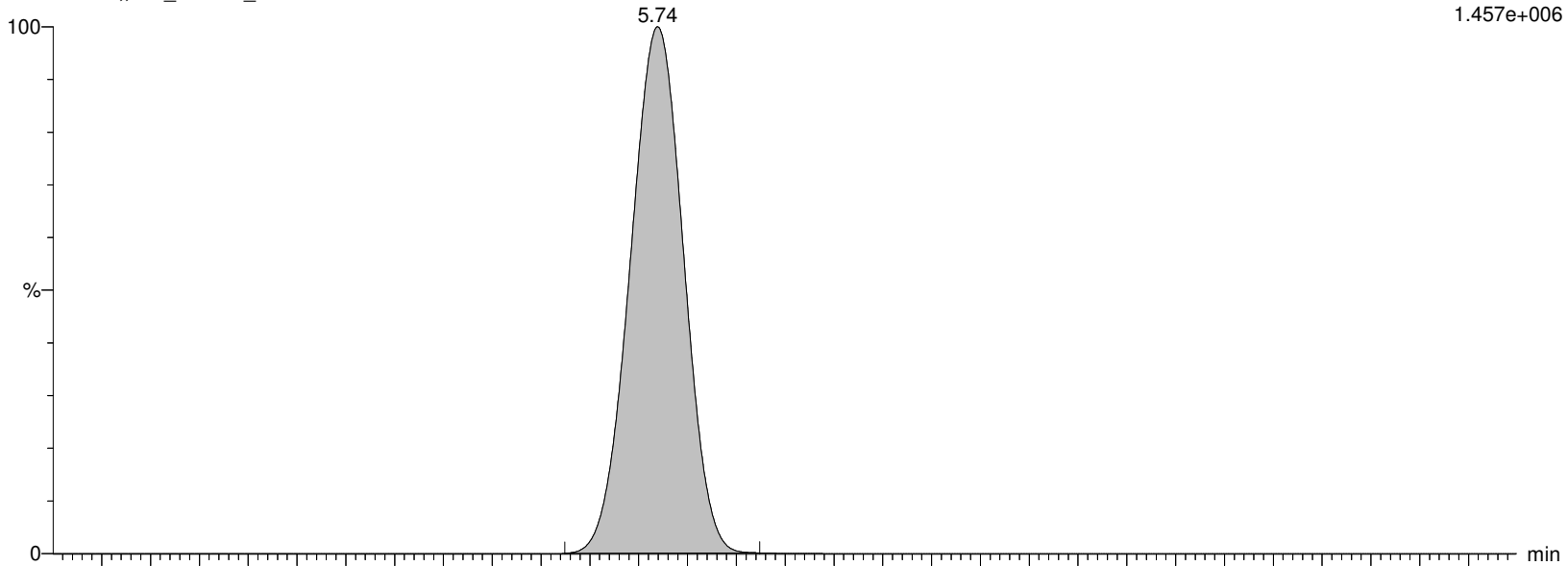
I13440 Smooth(Mn,10x10)

WG1310082,,537_190904_7 IA2-537STD150

F7:MRM of 2 channels,ES-

298.926 > 79.923

1.457e+006



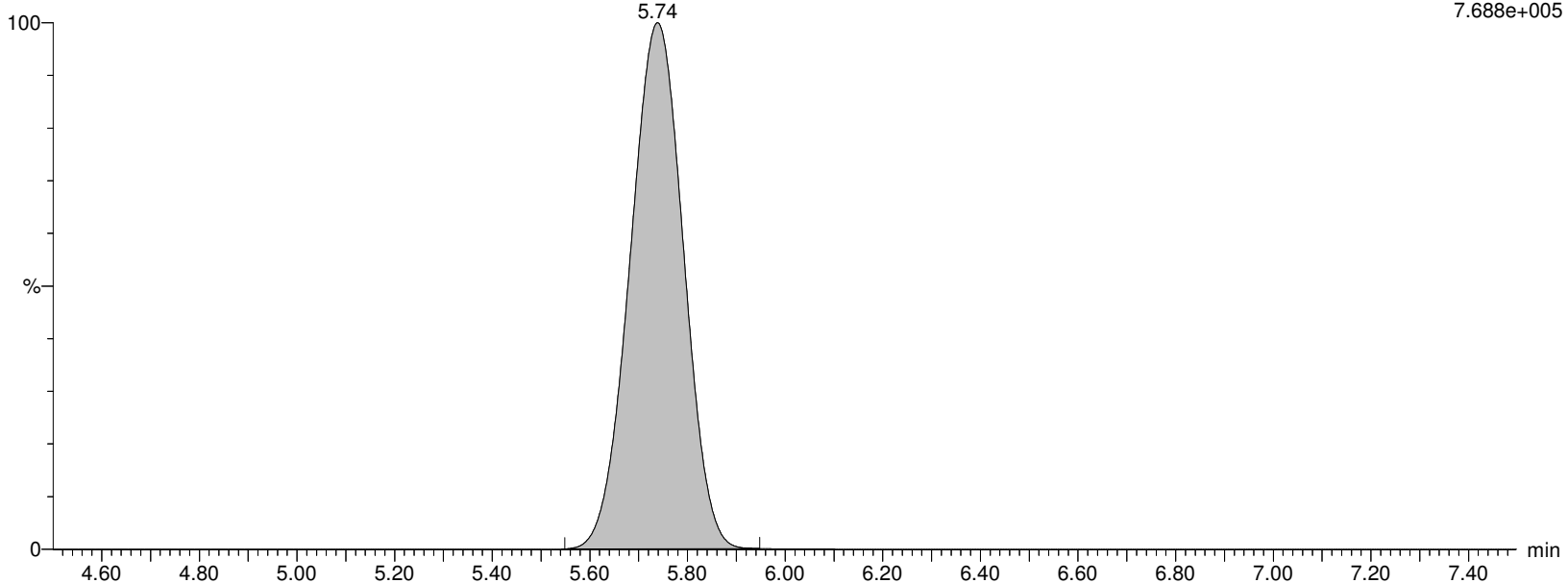
I13440 Smooth(Mn,10x10)

WG1310082,,537_190904_7 IA2-537STD150

F7:MRM of 2 channels,ES-

298.926 > 98.862

7.688e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440**ID: IA2-537STD150****Date: 18-Nov-2019****Time: 12:16:43****Description: WG1310082,,537_190904_7****User: LCMS02:JW****Vial: 1:A,8****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

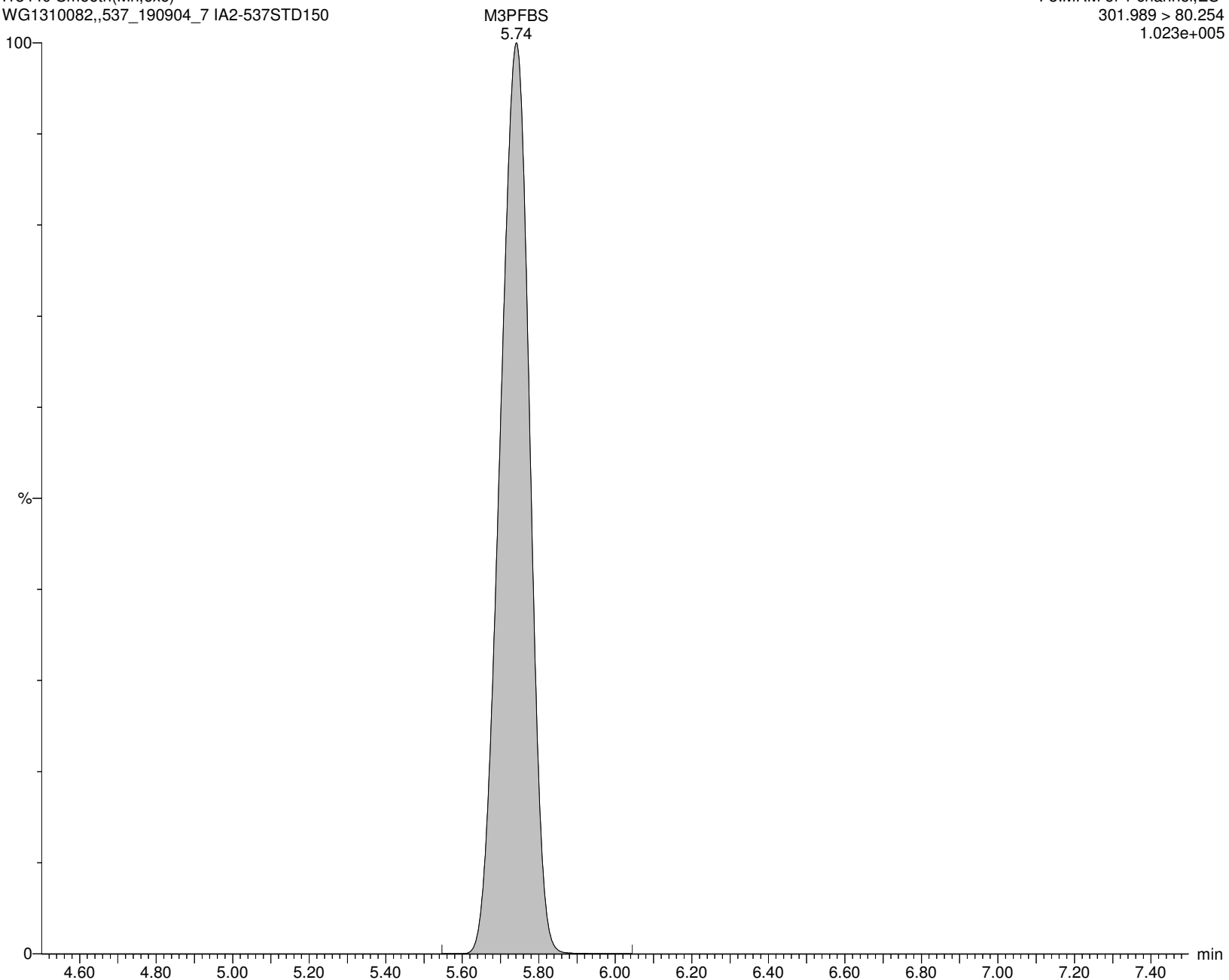
I13440 Smooth(Mn,6x6)

WG1310082,,537_190904_7 IA2-537STD150

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.023e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

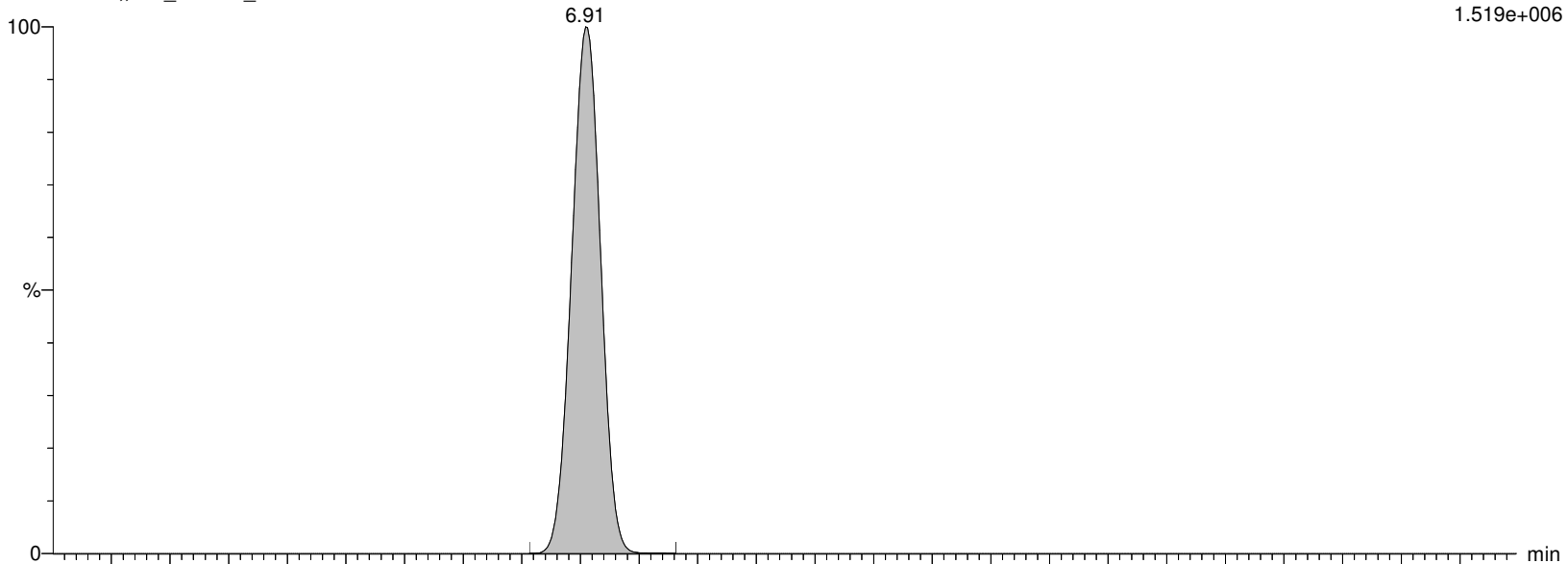
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F11:MRM of 2 channels,ES-

326.926 > 306.957

1.519e+006



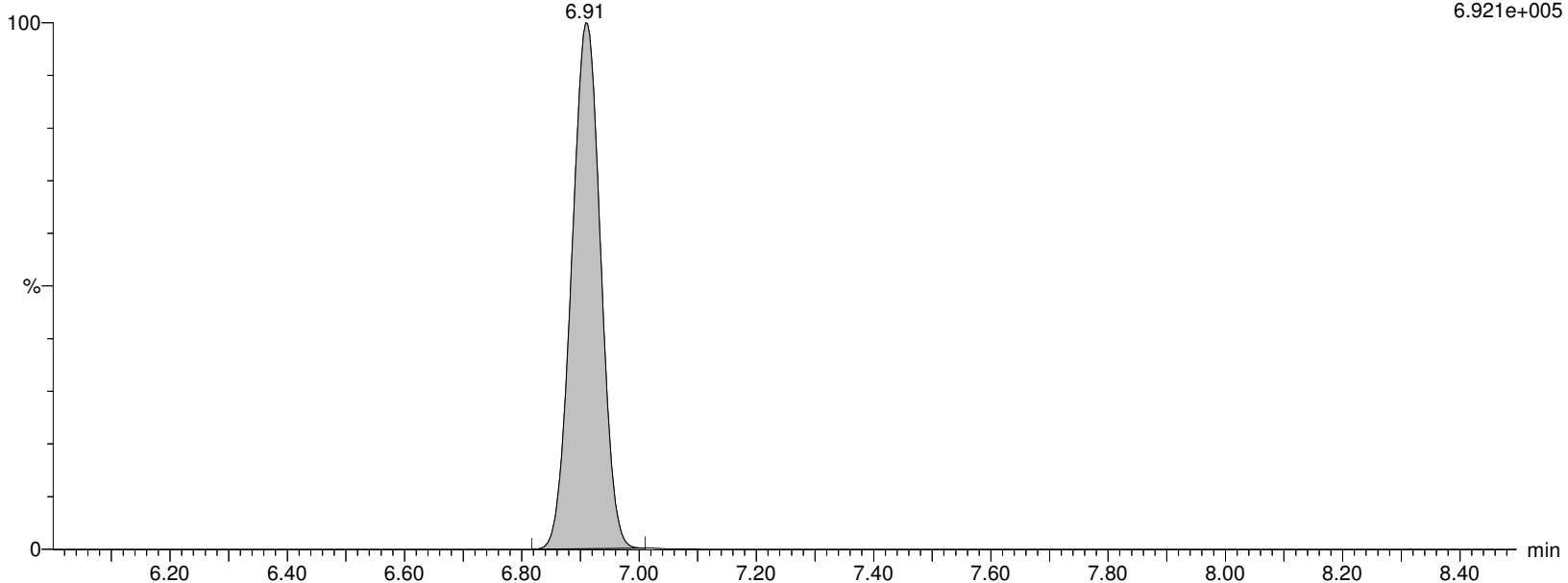
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F11:MRM of 2 channels,ES-

326.926 > 81.02

6.921e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

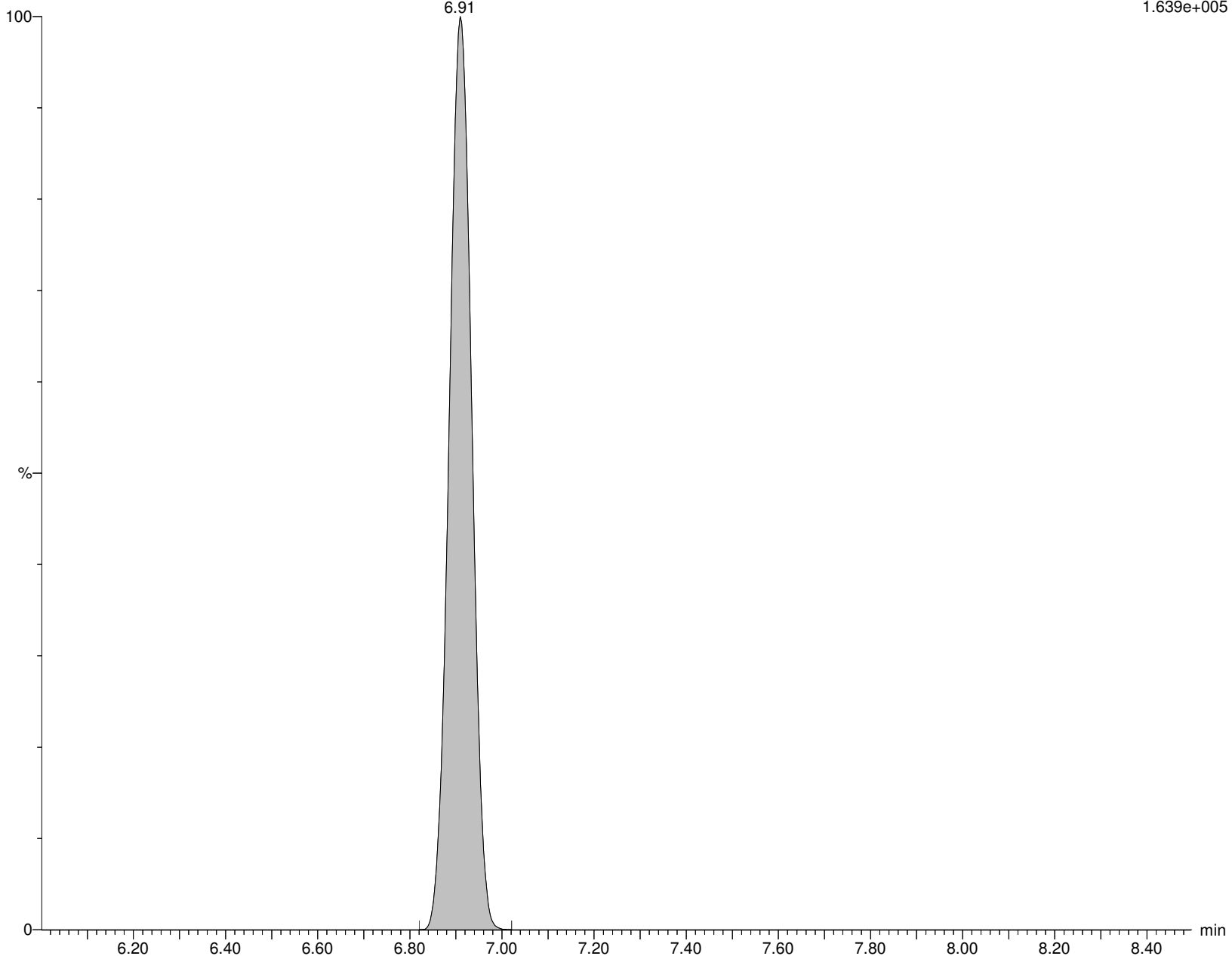
M2-4:2FTS

6.91

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.639e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

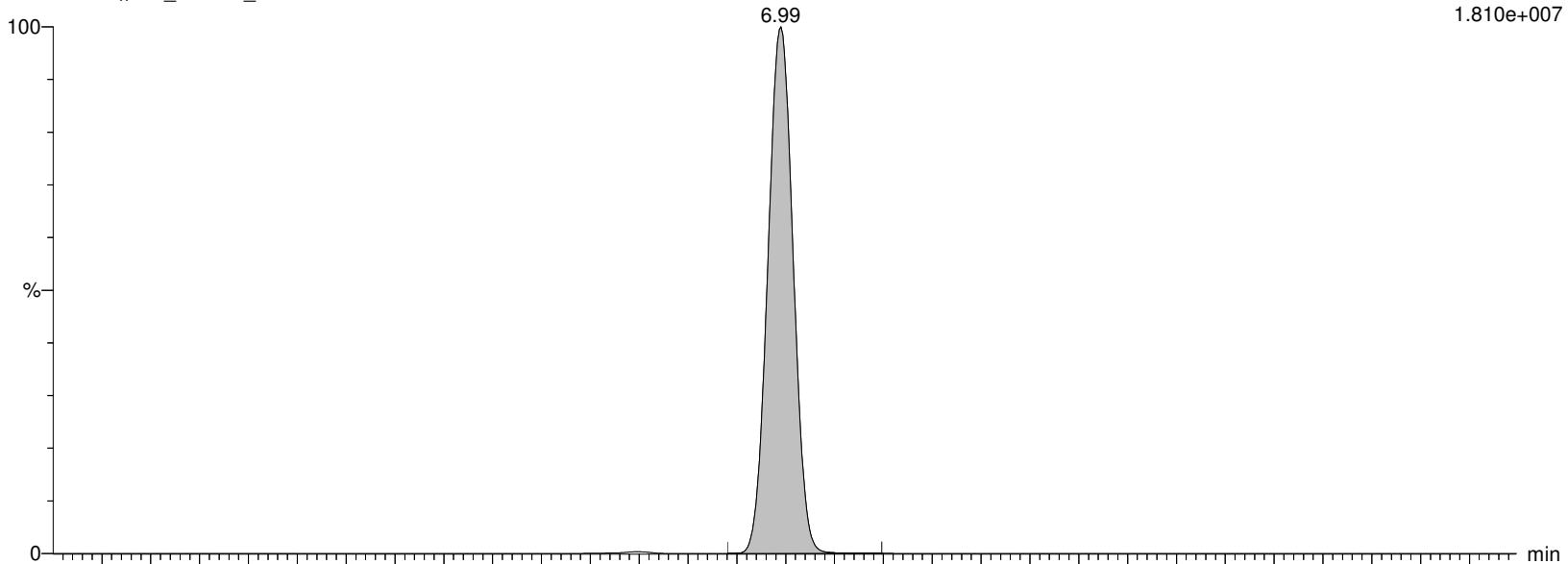
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F9:MRM of 2 channels,ES-

312.989 > 269.028

1.810e+007



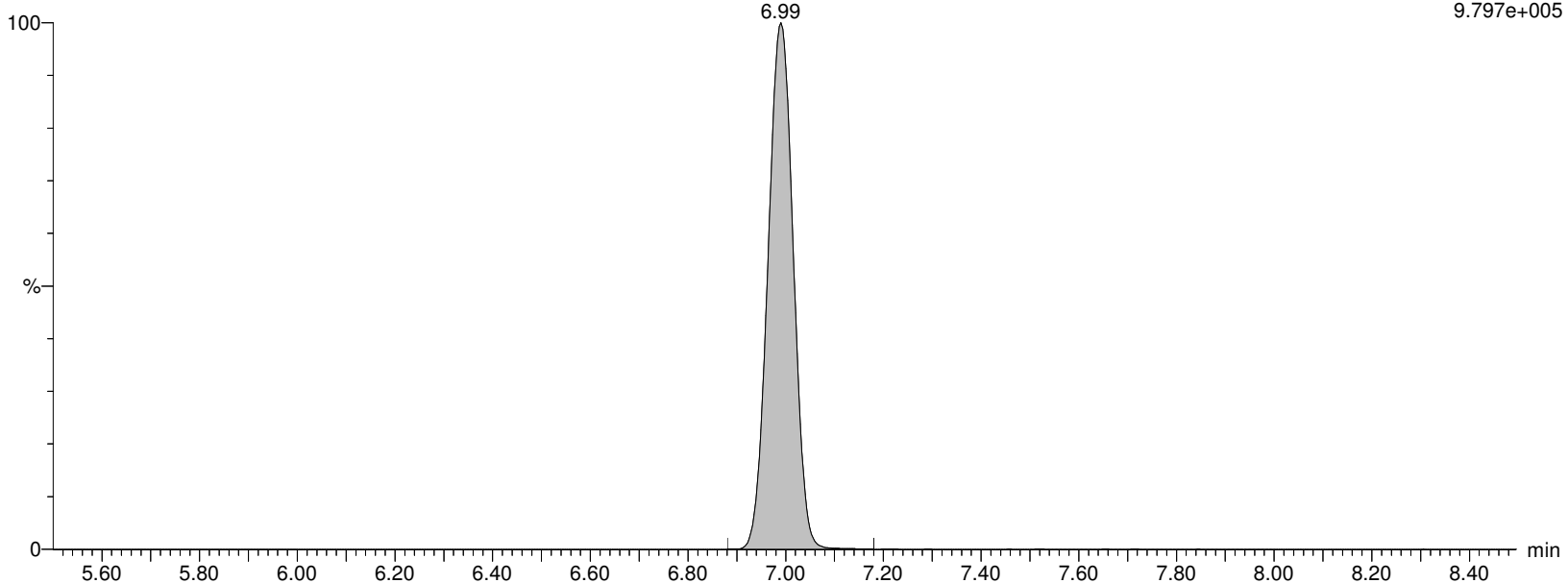
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F9:MRM of 2 channels,ES-

312.989 > 119.18

9.797e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

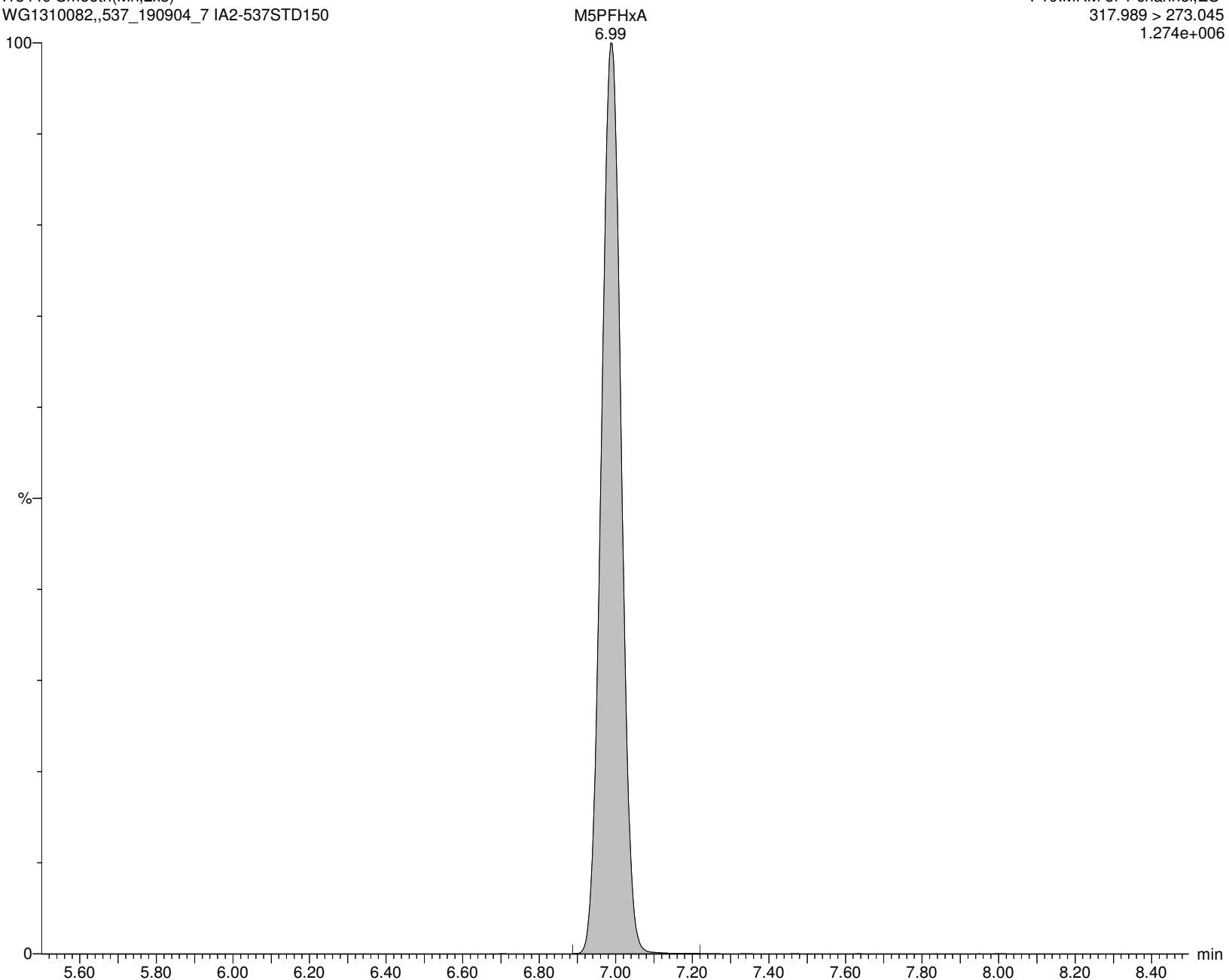
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.274e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

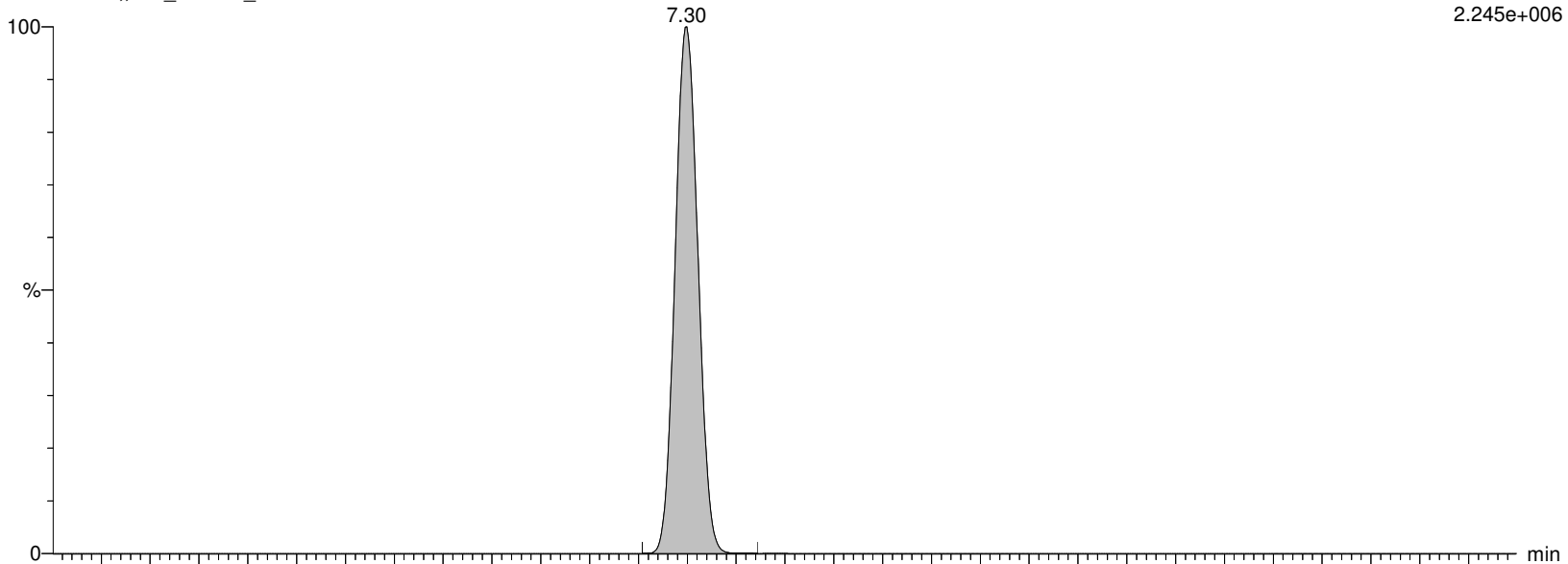
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F14:MRM of 2 channels,ES-

348.926 > 80.251

2.245e+006



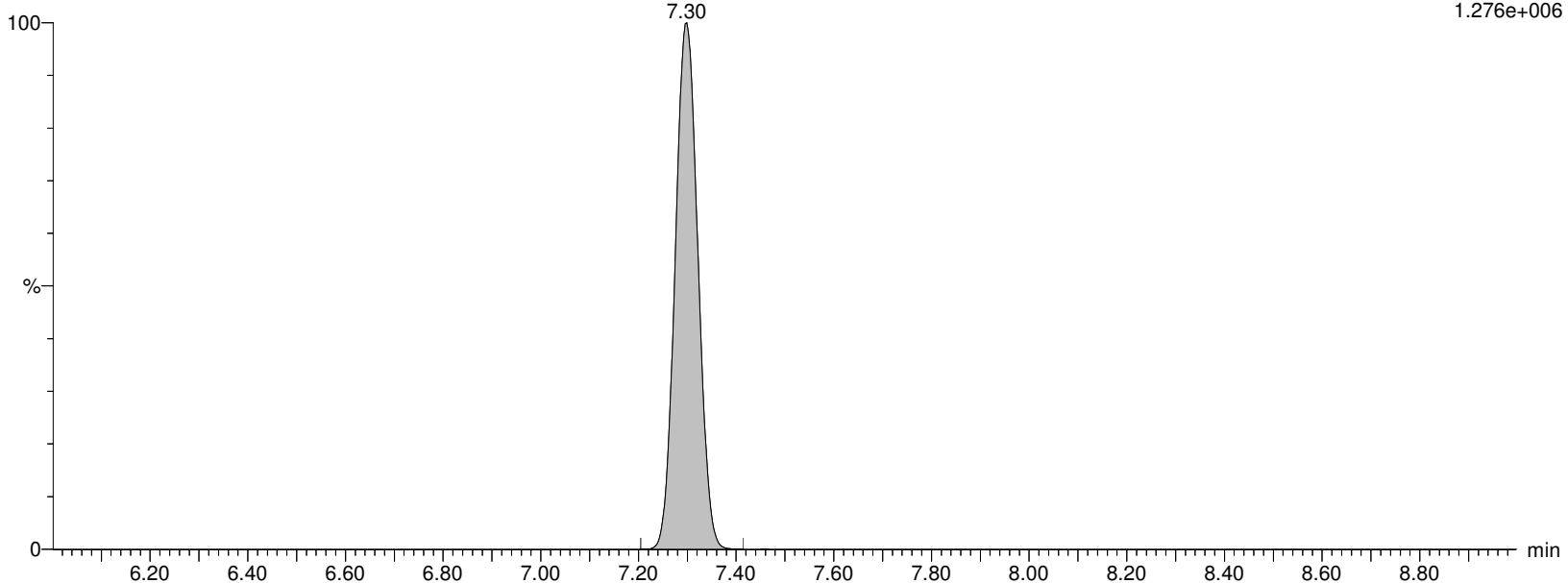
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.276e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

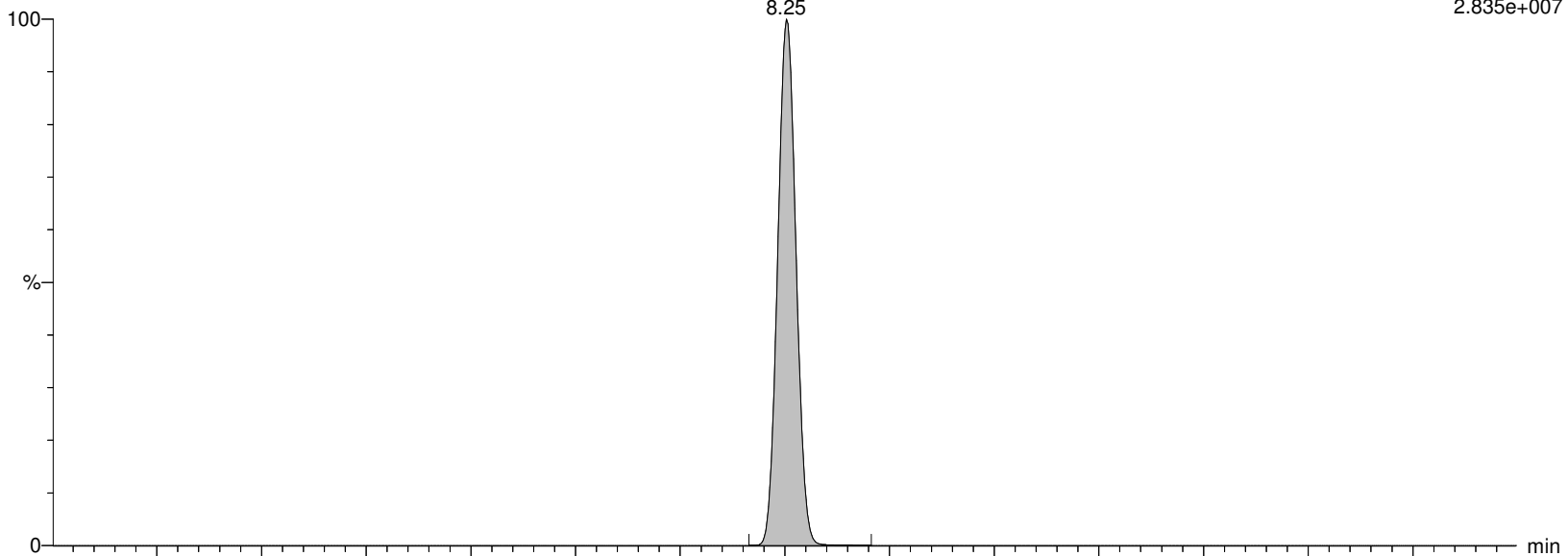
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F15:MRM of 2 channels,ES-

362.926 > 319.014

2.835e+007



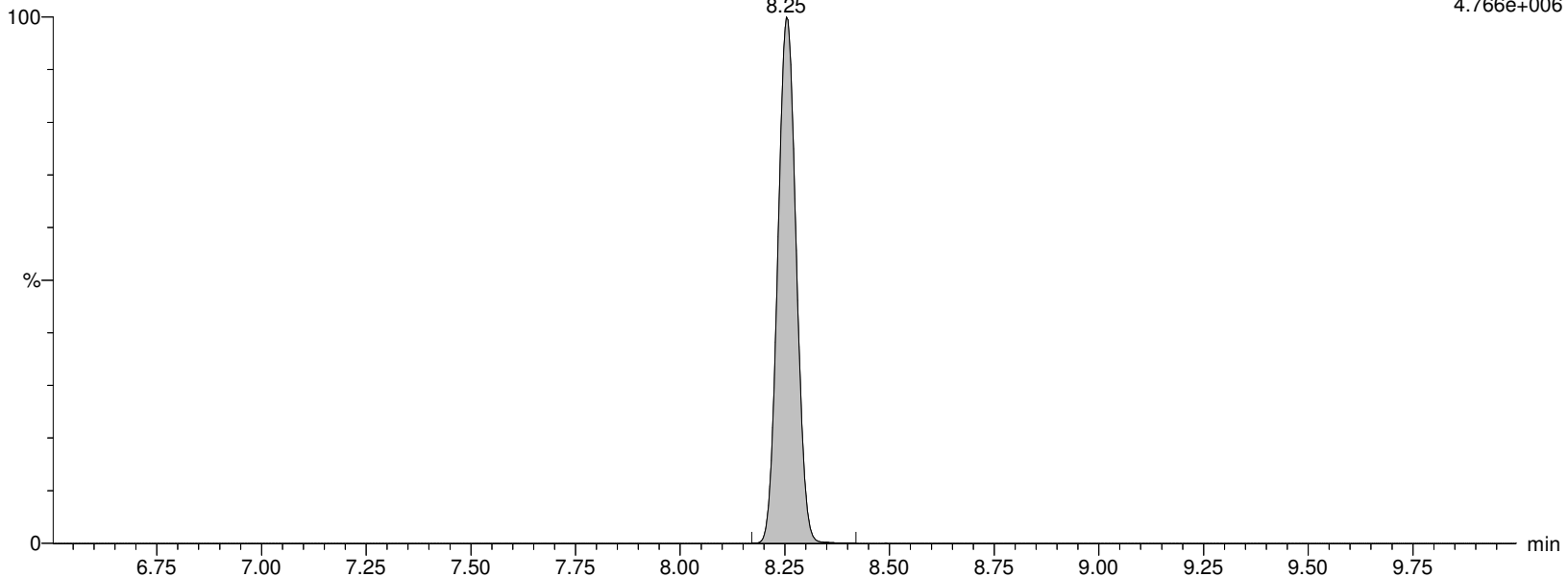
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F15:MRM of 2 channels,ES-

362.926 > 169.12

4.766e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440**ID: IA2-537STD150****Date: 18-Nov-2019****Time: 12:16:43****Description: WG1310082,,537_190904_7****User: LCMS02:JW****Vial: 1:A,8****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

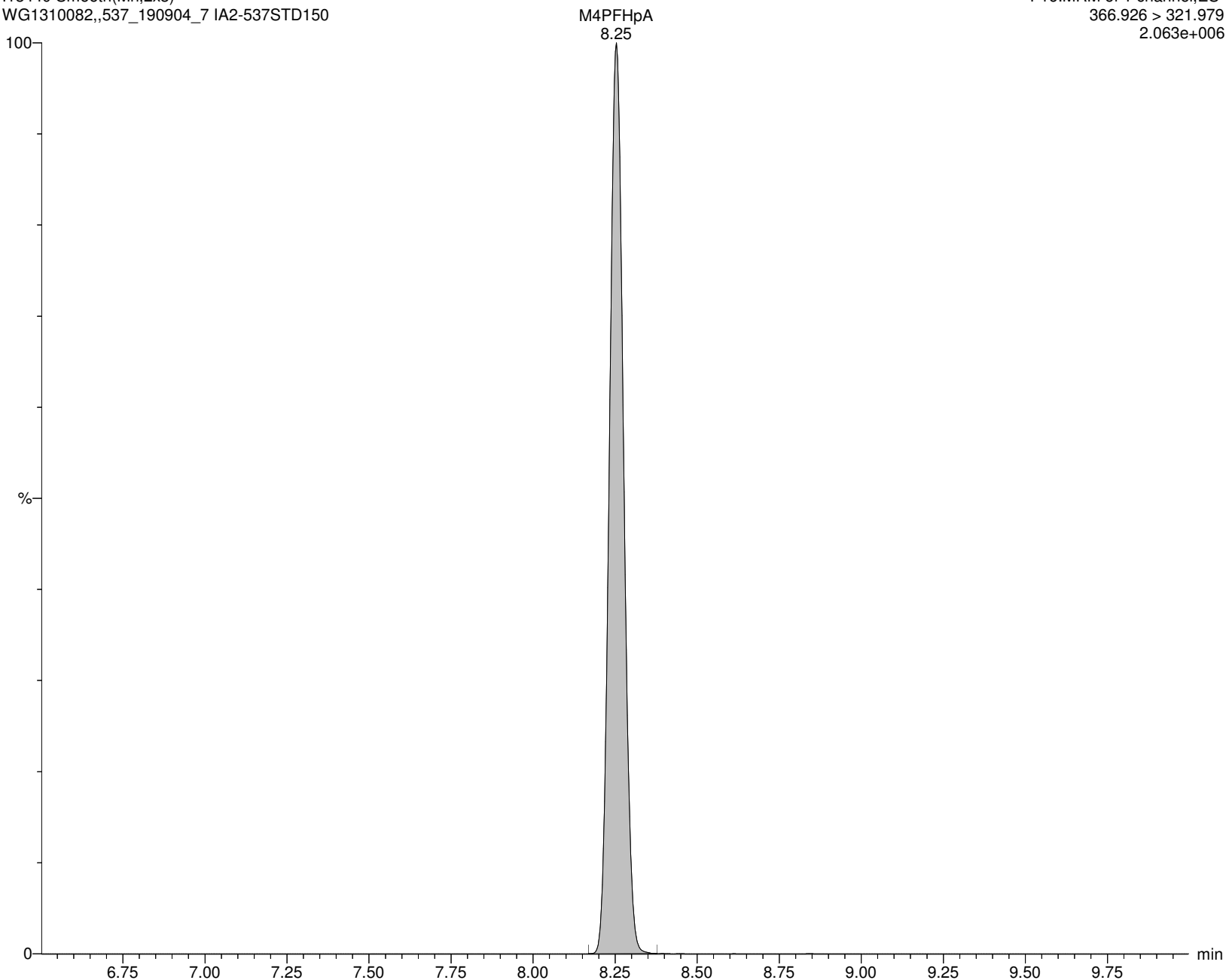
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.063e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

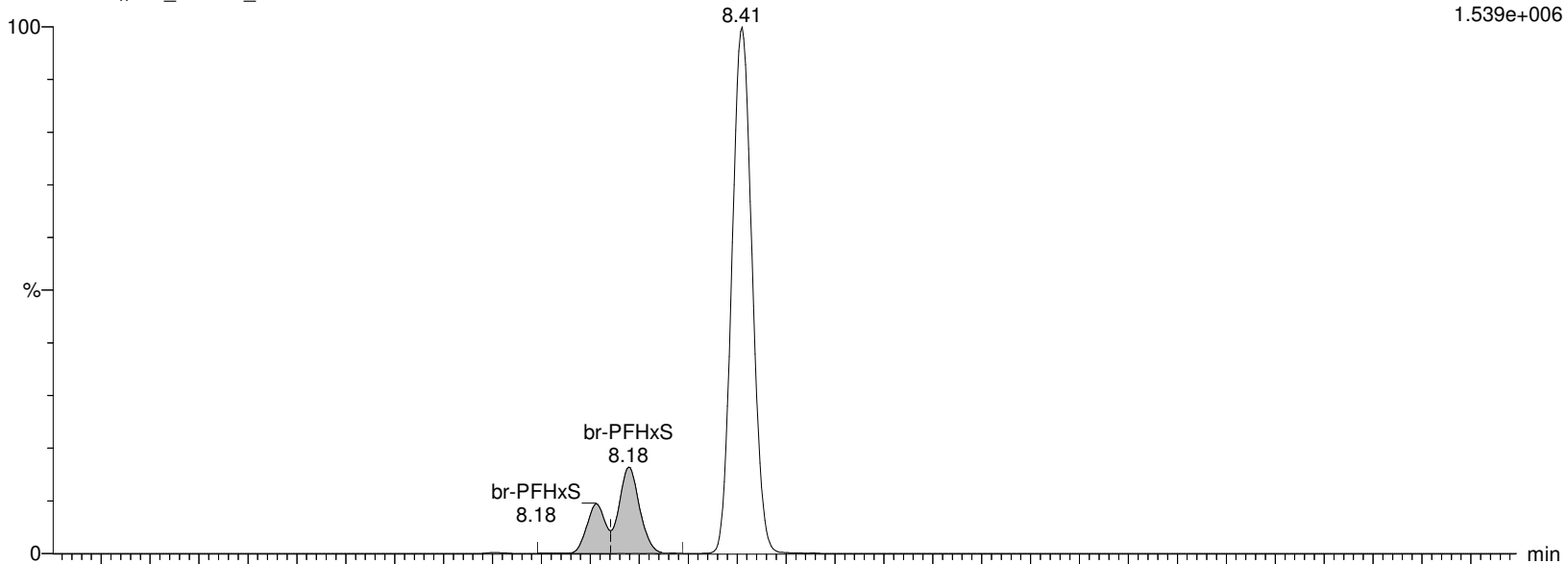
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.539e+006



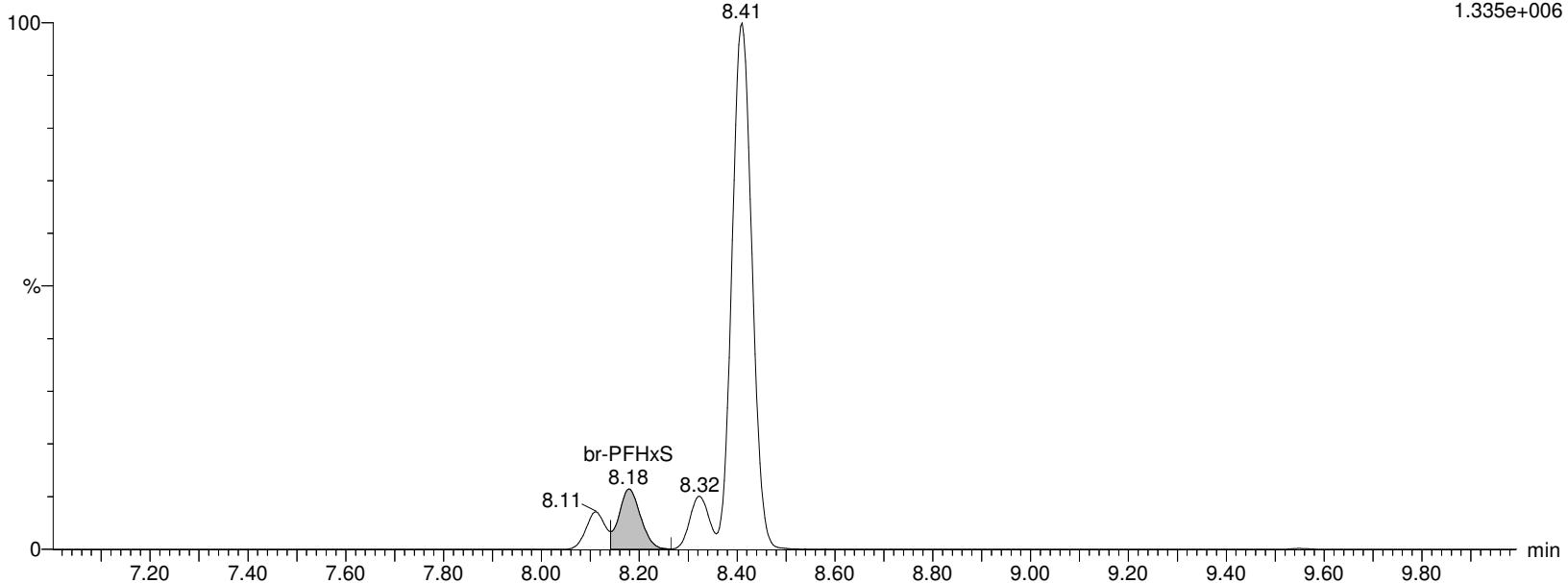
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.335e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

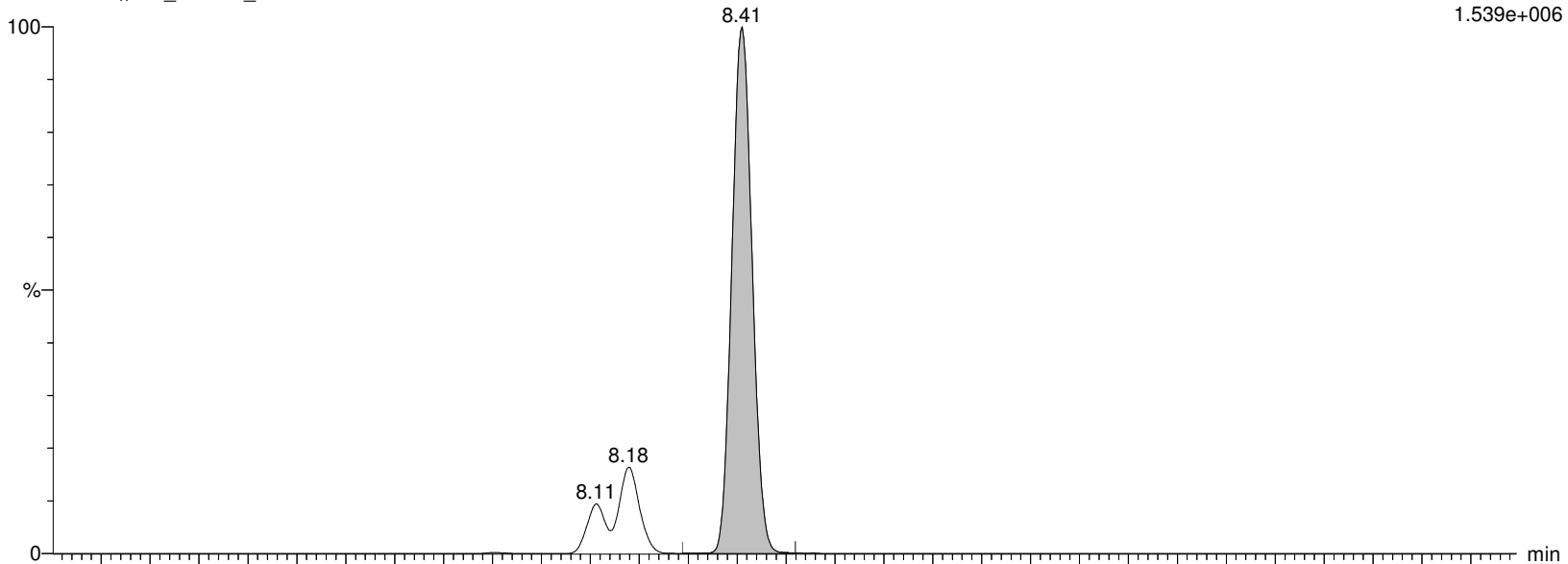
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.539e+006



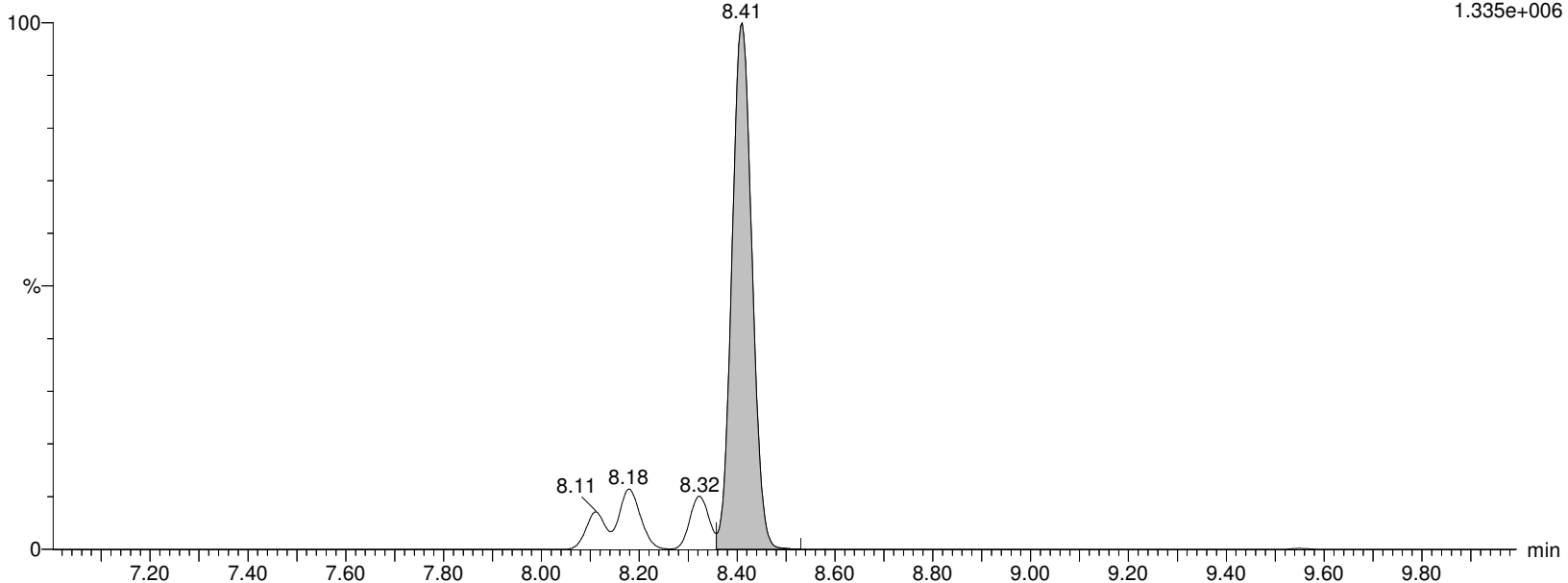
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.335e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

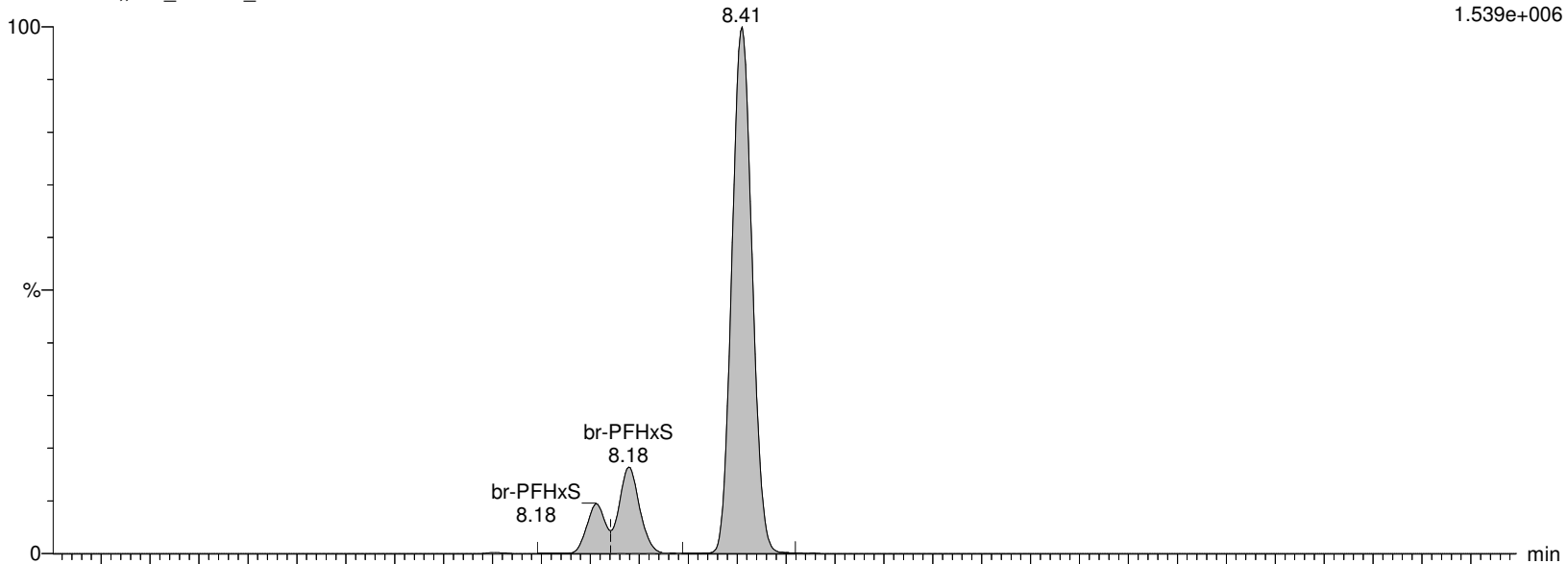
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.539e+006



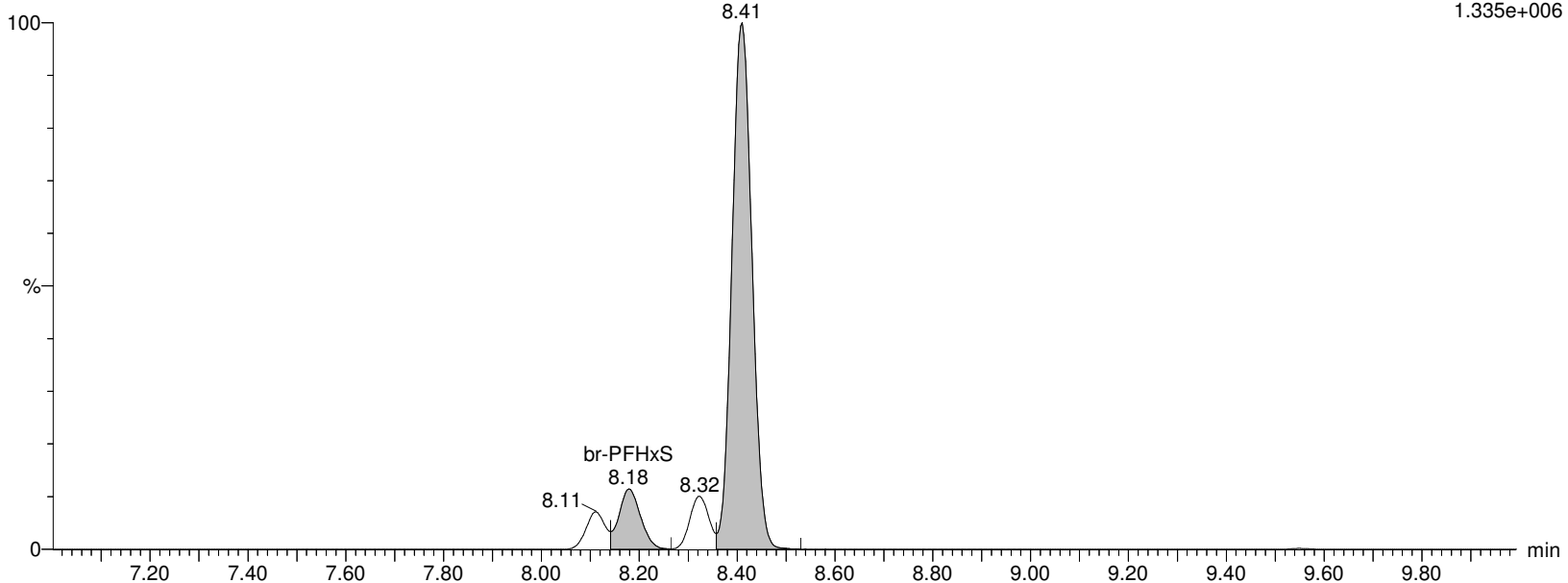
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.335e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

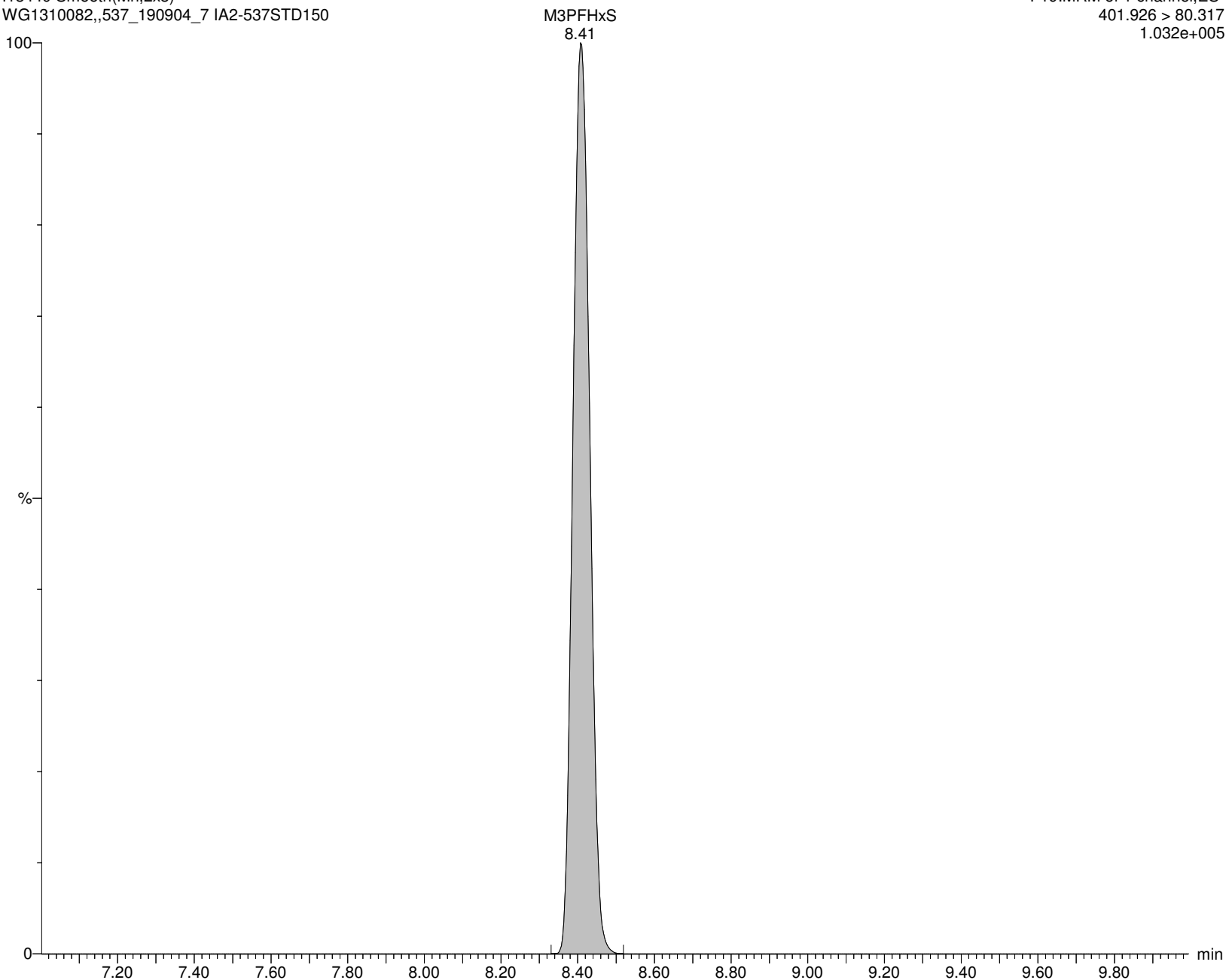
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.032e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

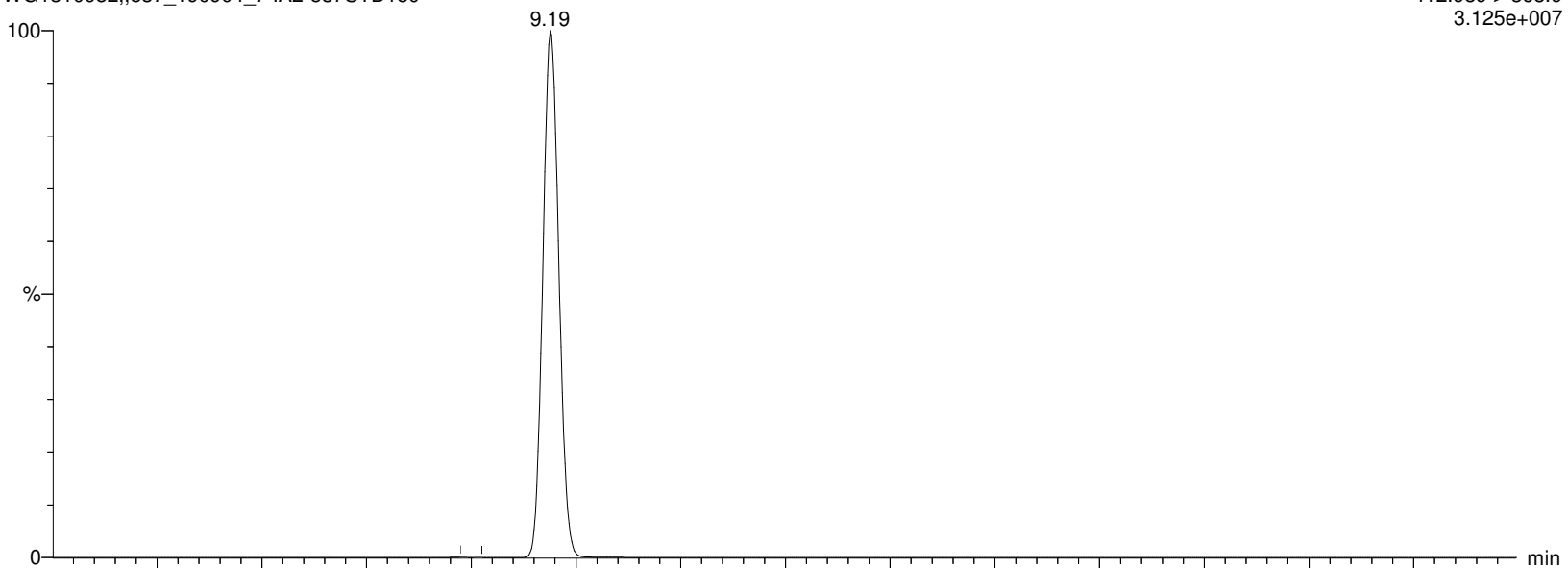
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F20:MRM of 2 channels,ES-

412.989 > 368.9

3.125e+007



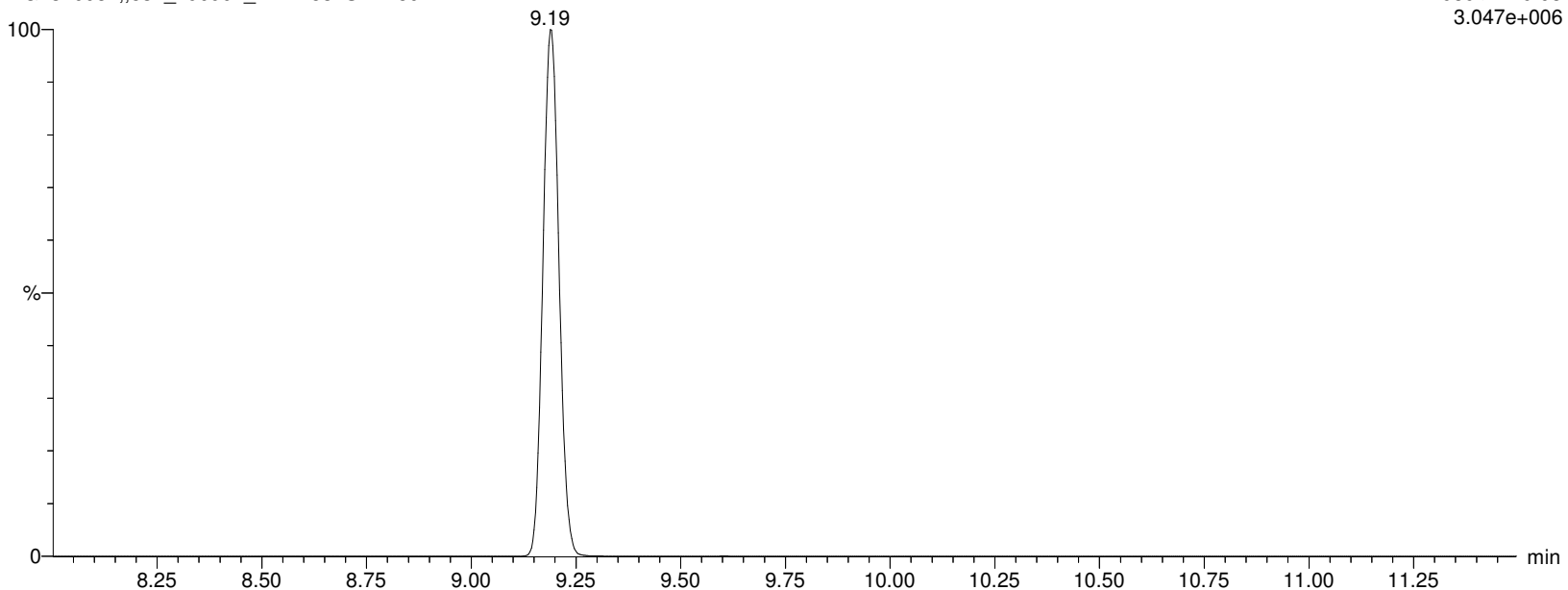
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F20:MRM of 2 channels,ES-

412.989 > 219.08

3.047e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

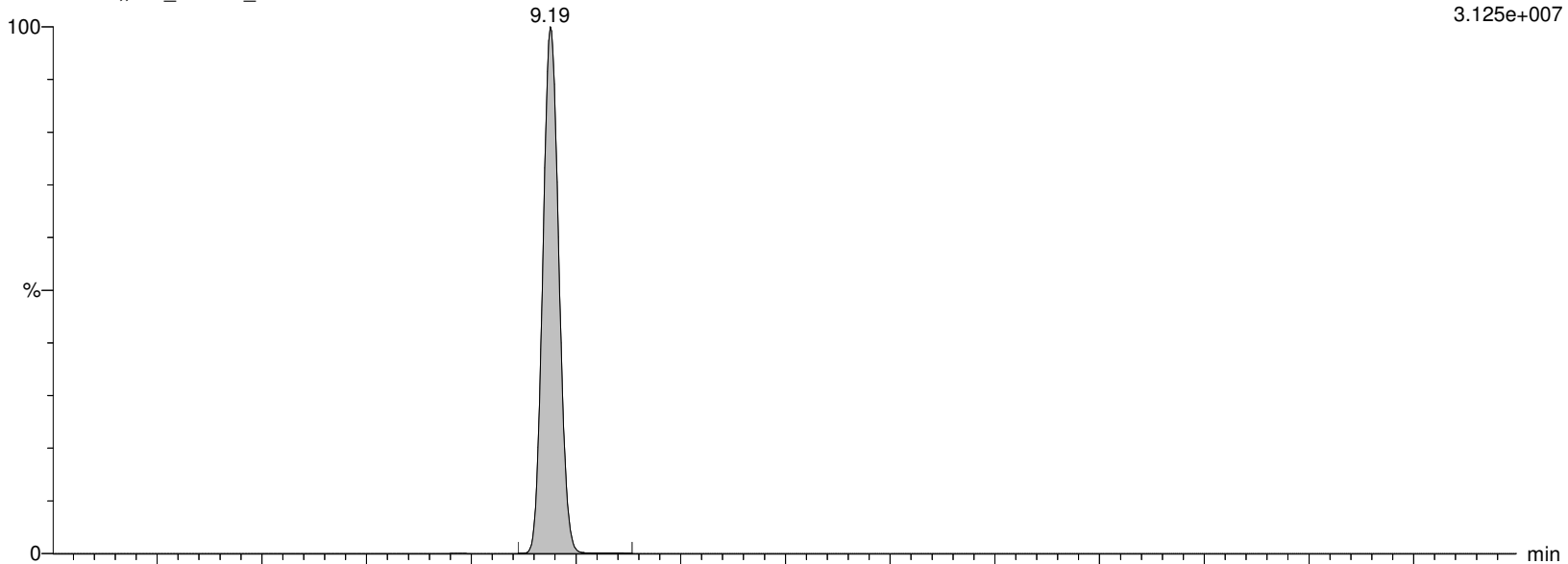
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



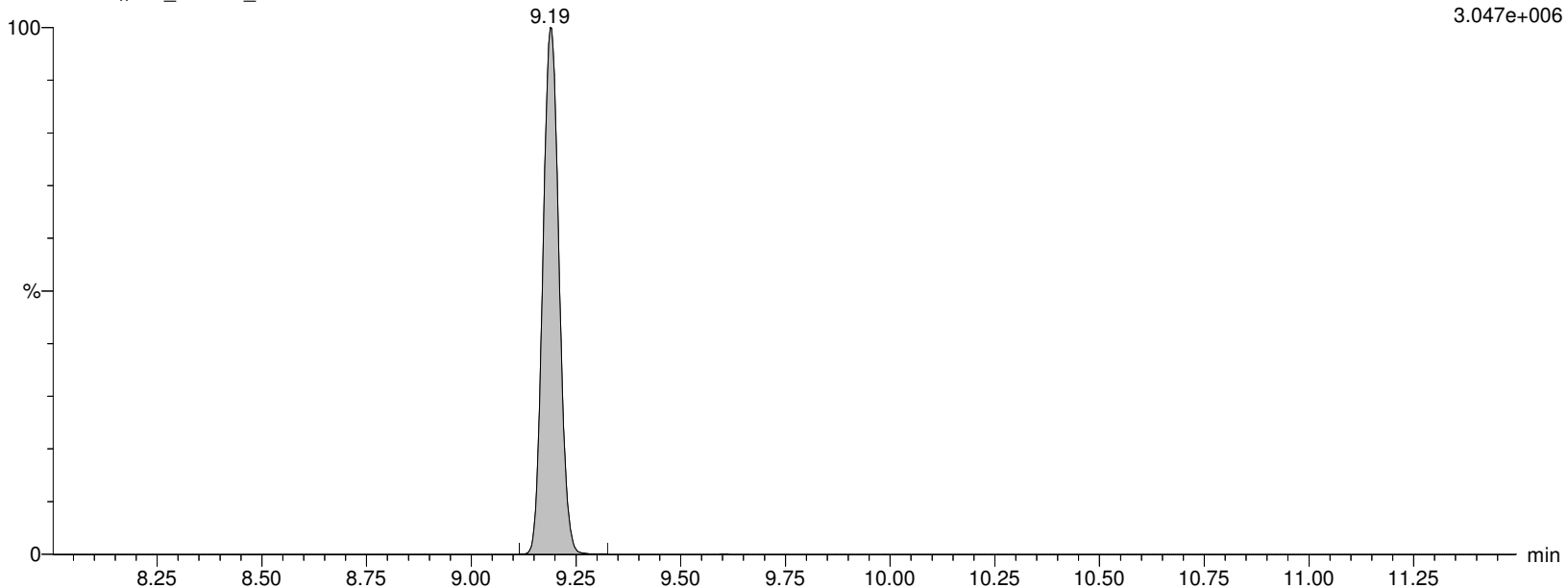
F20:MRM of 2 channels,ES-

412.989 > 368.9

3.125e+007

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



F20:MRM of 2 channels,ES-

412.989 > 219.08

3.047e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

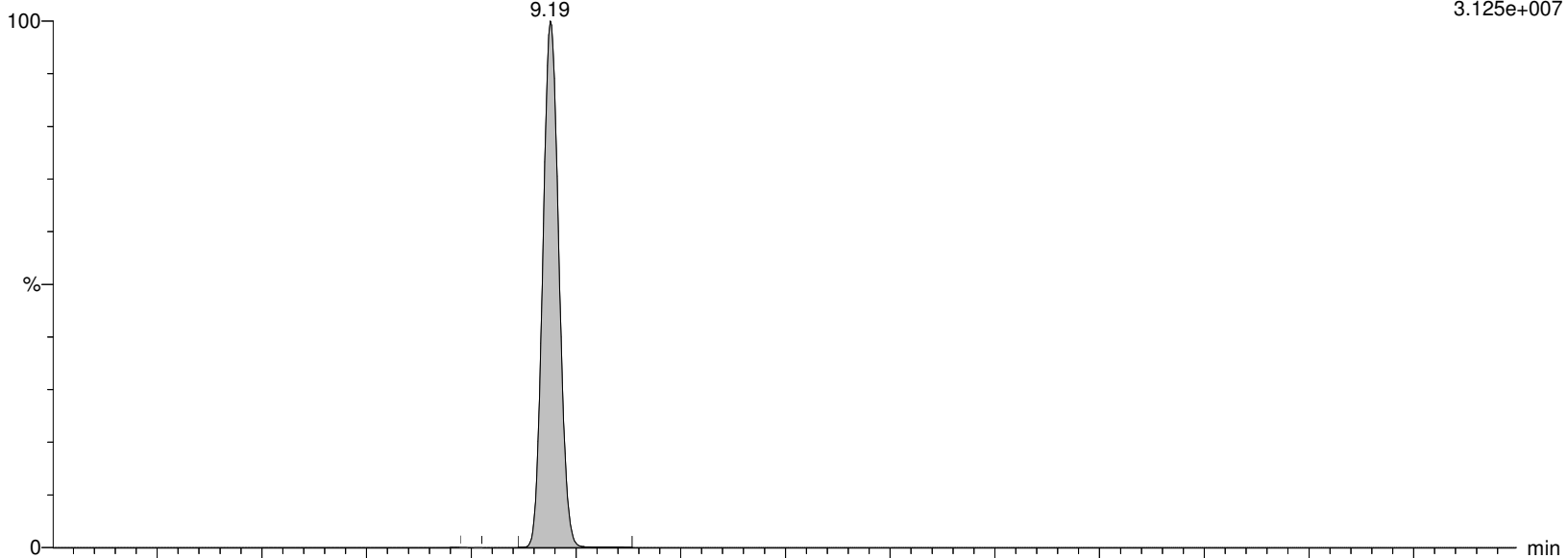
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

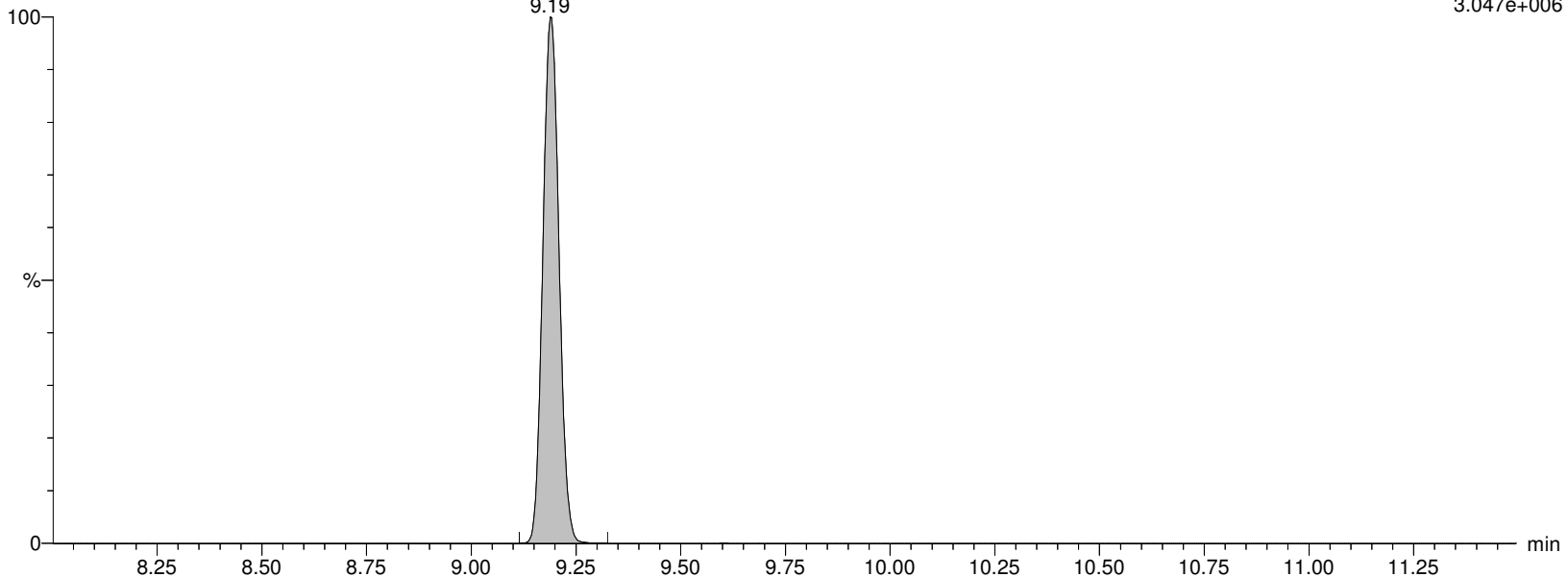
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

L-PFOA
9.19F20:MRM of 2 channels,ES-
412.989 > 368.9
3.125e+007

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

L-PFOA
9.19F20:MRM of 2 channels,ES-
412.989 > 219.08
3.047e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13440 Smooth(Mn,2x3)

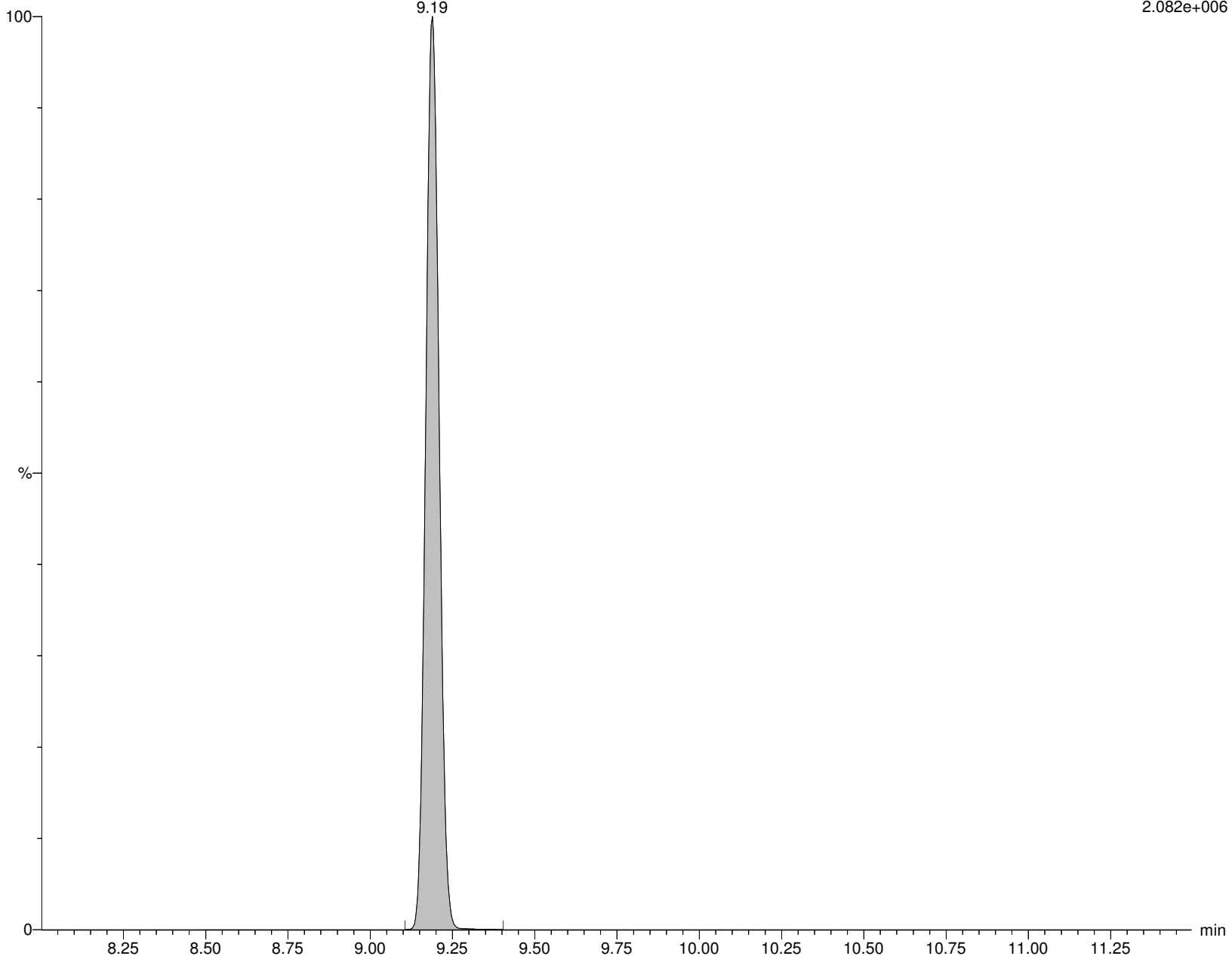
WG1310082,,537_190904_7 IA2-537STD150

M8PFOA
9.19

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.082e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13440 Smooth(Mn,2x2)

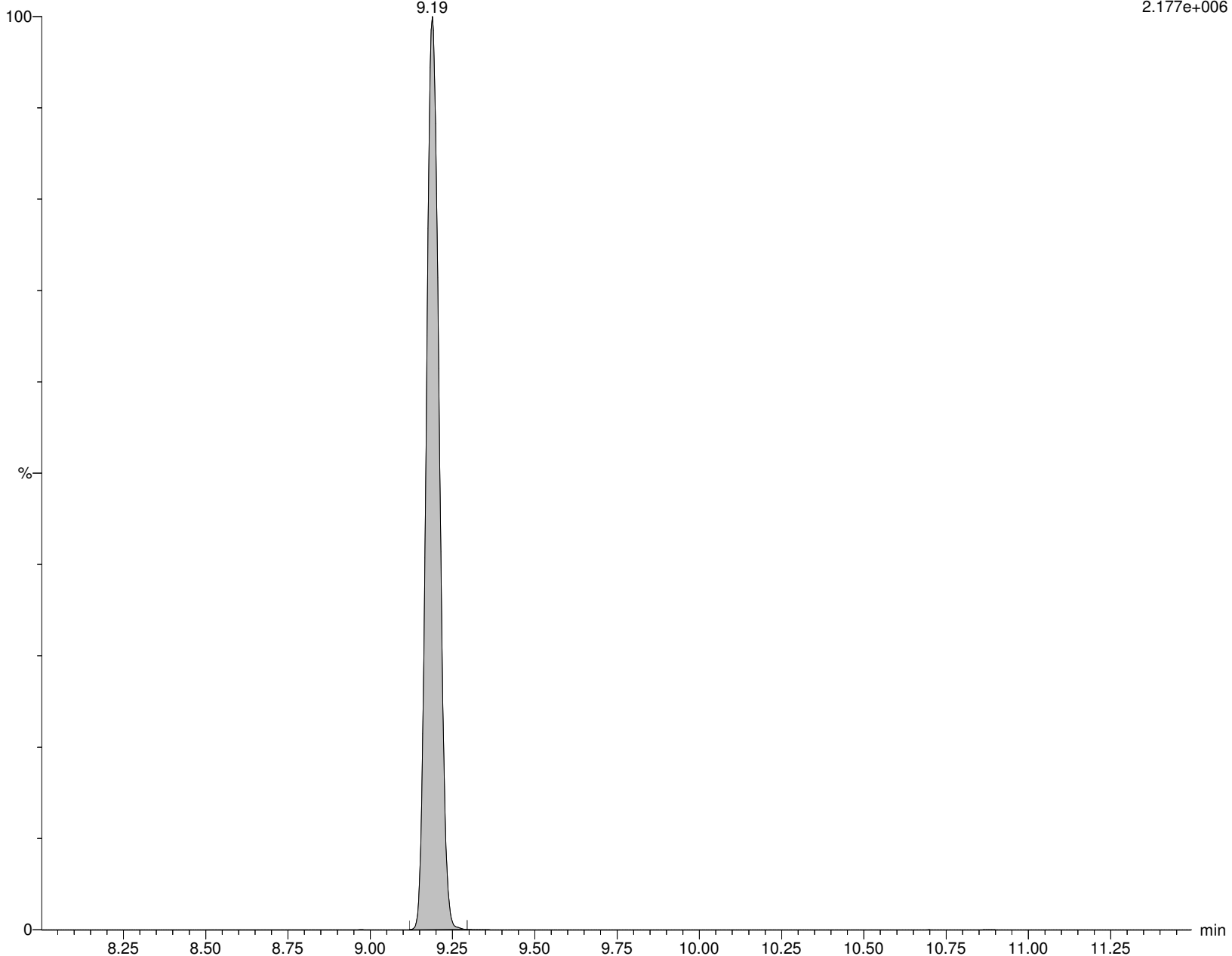
WG1310082,,537_190904_7 IA2-537STD150

M2PFOA
9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.177e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

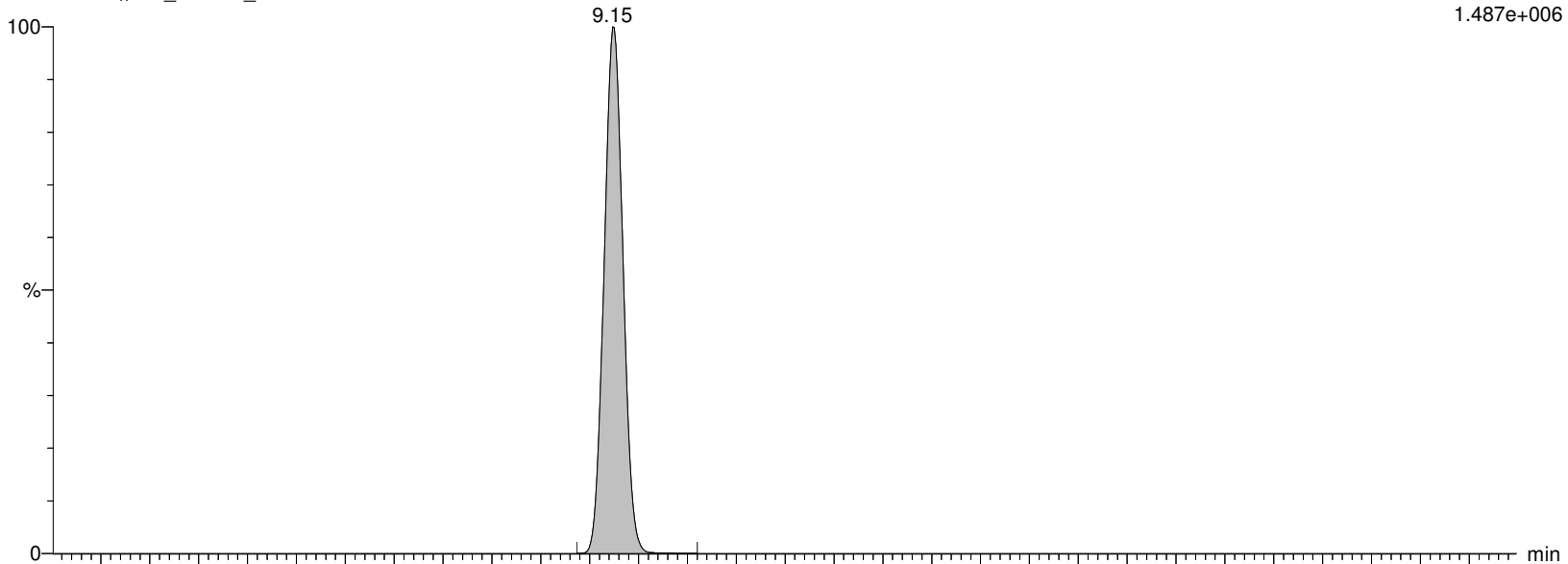
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F23:MRM of 3 channels,ES-

426.989 > 406.921

1.487e+006



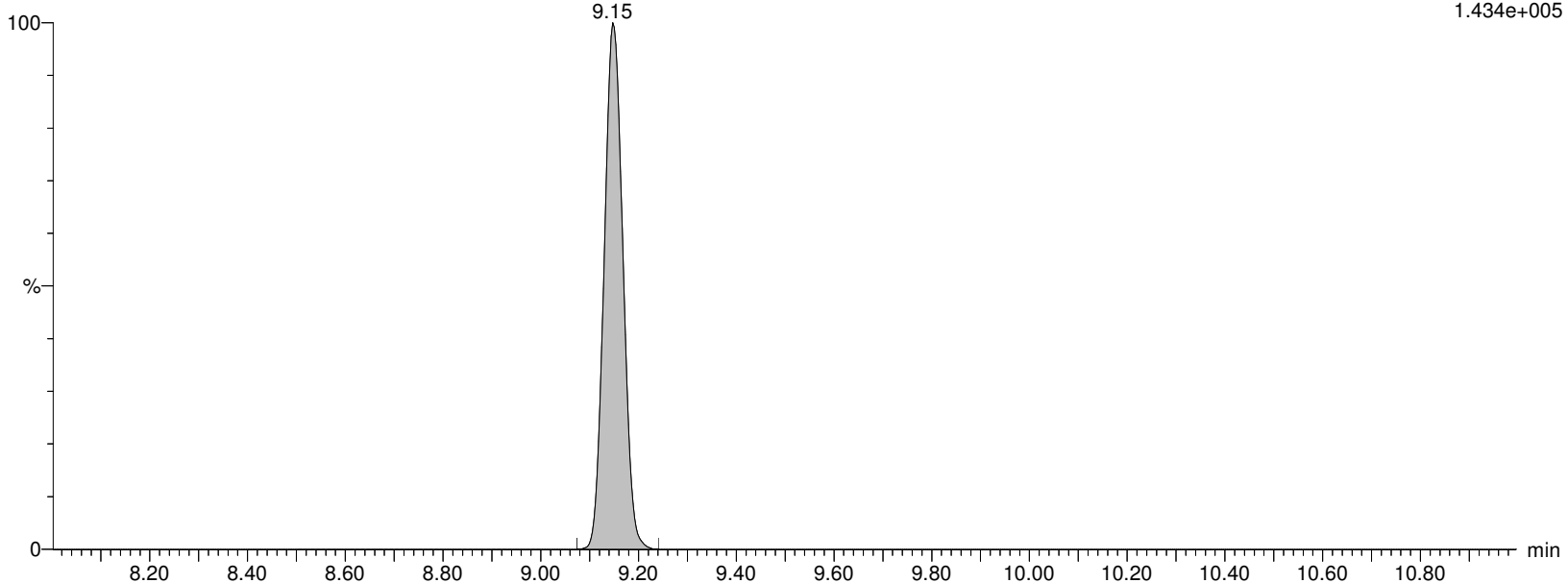
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F23:MRM of 3 channels,ES-

426.862 > 80.5

1.434e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

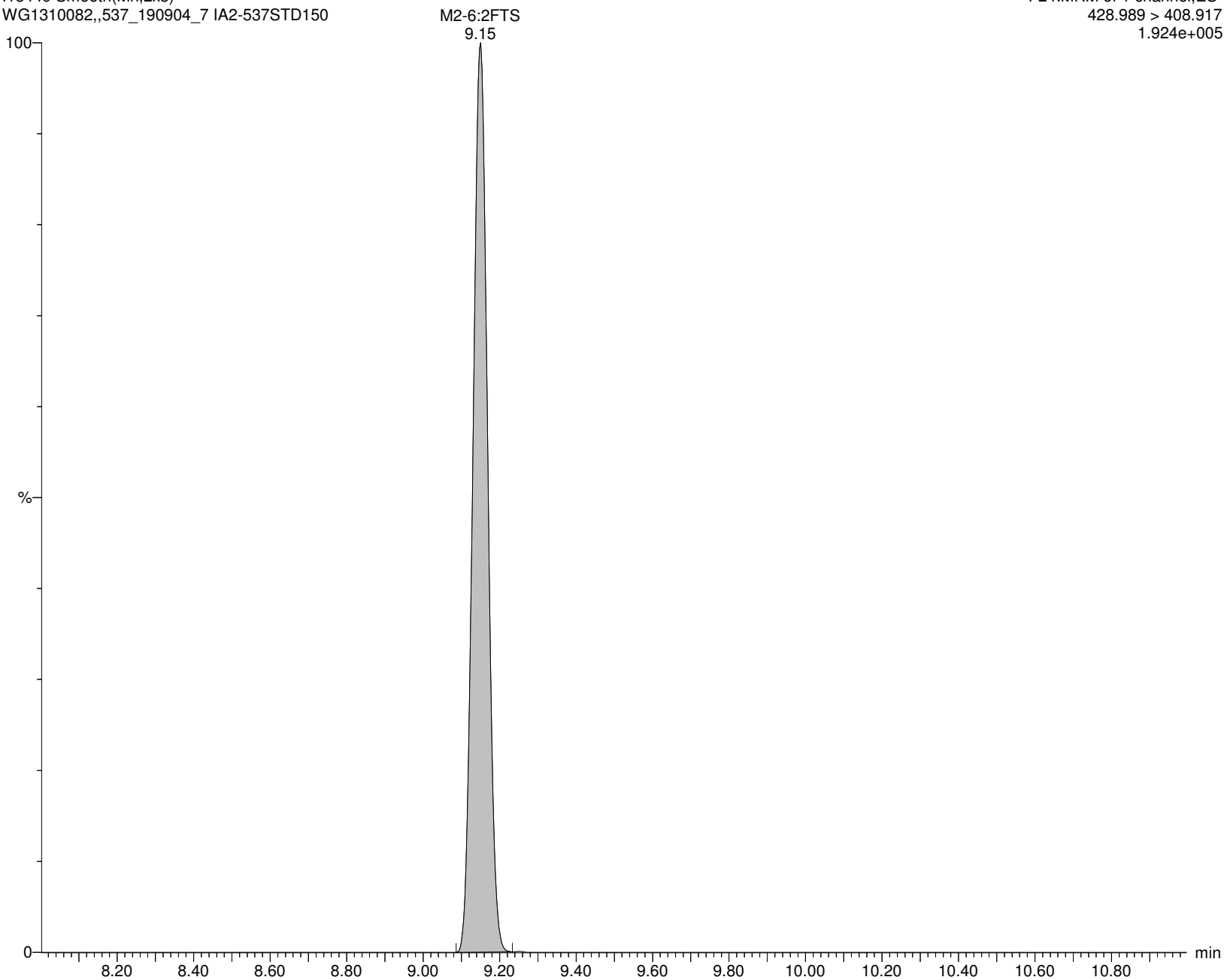
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.924e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

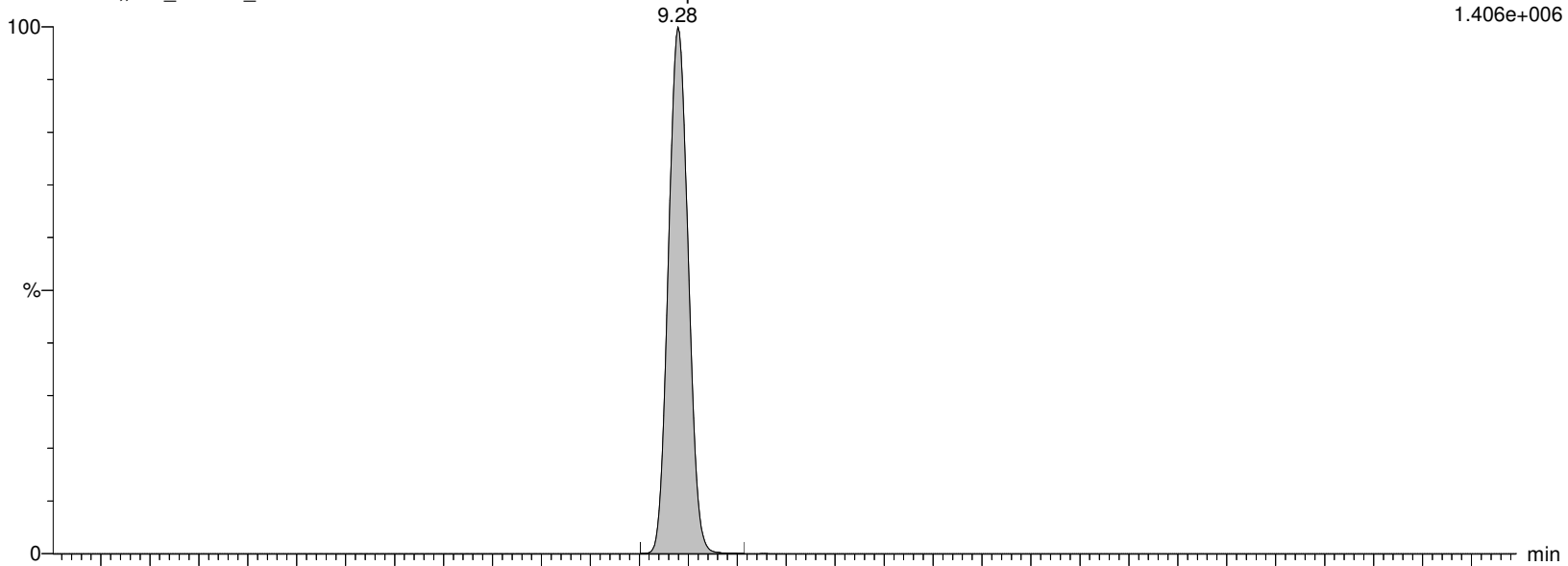
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.406e+006



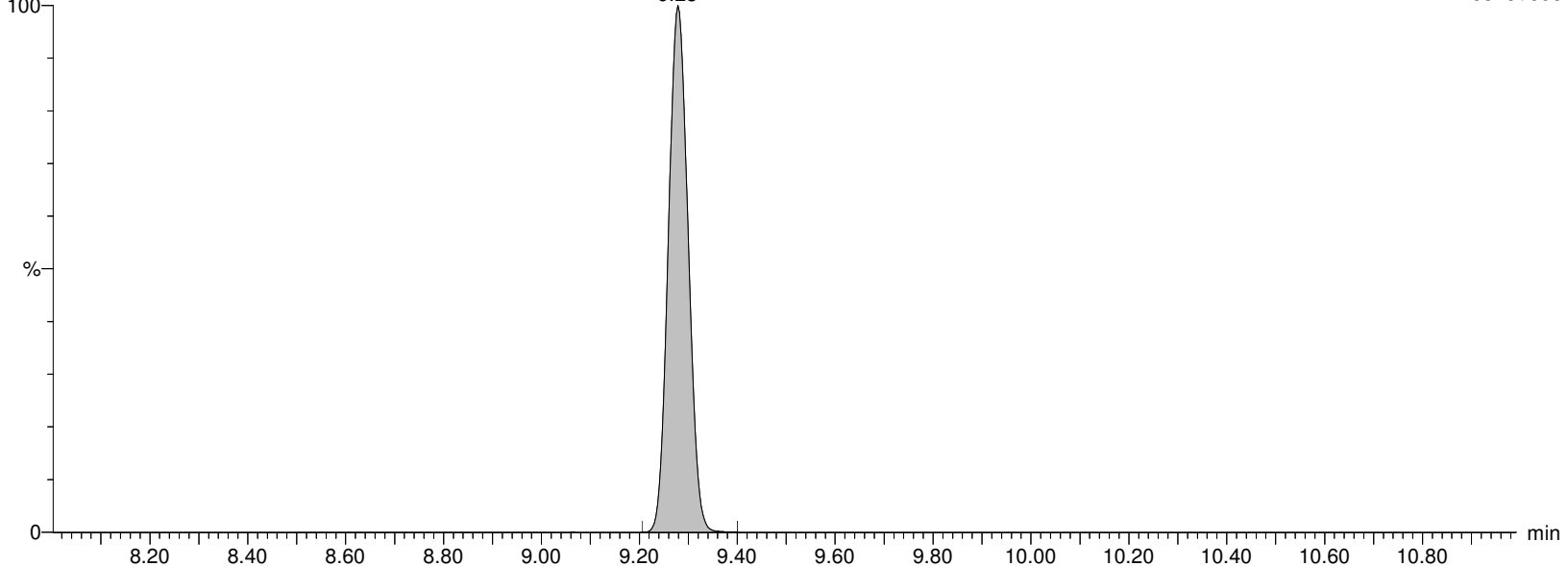
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.652e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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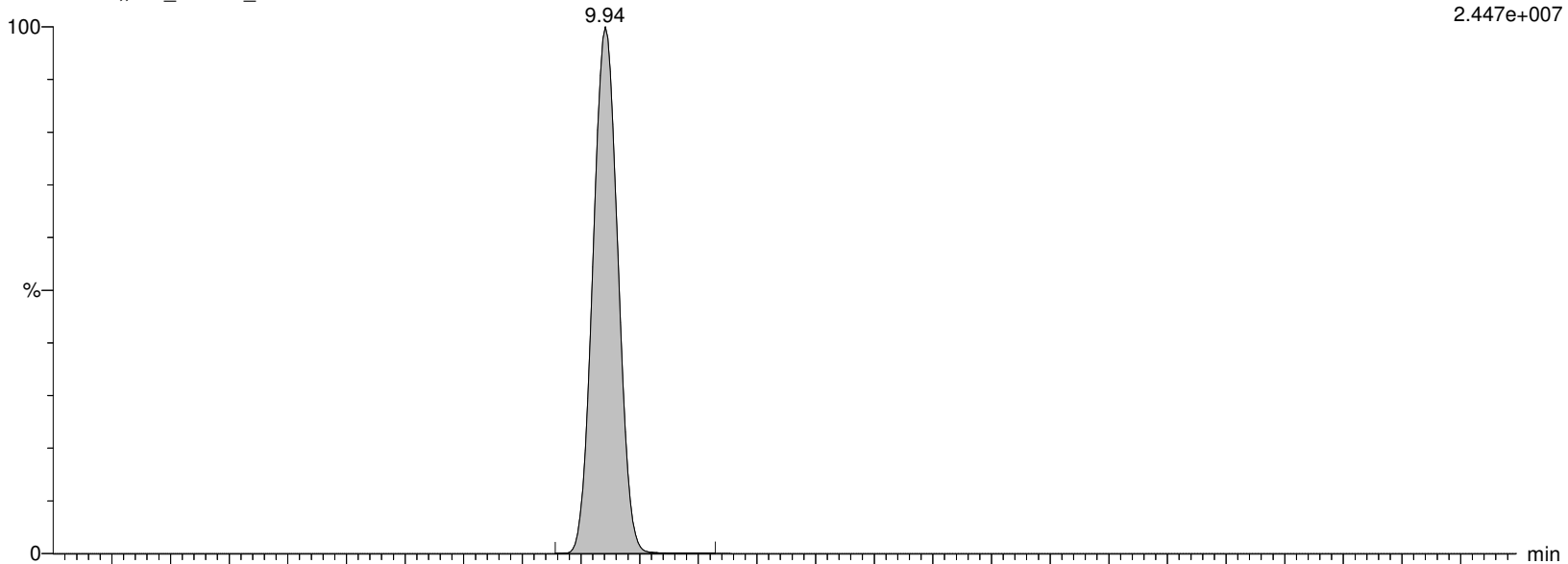
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F26:MRM of 2 channels,ES-

462.989 > 418.931

2.447e+007



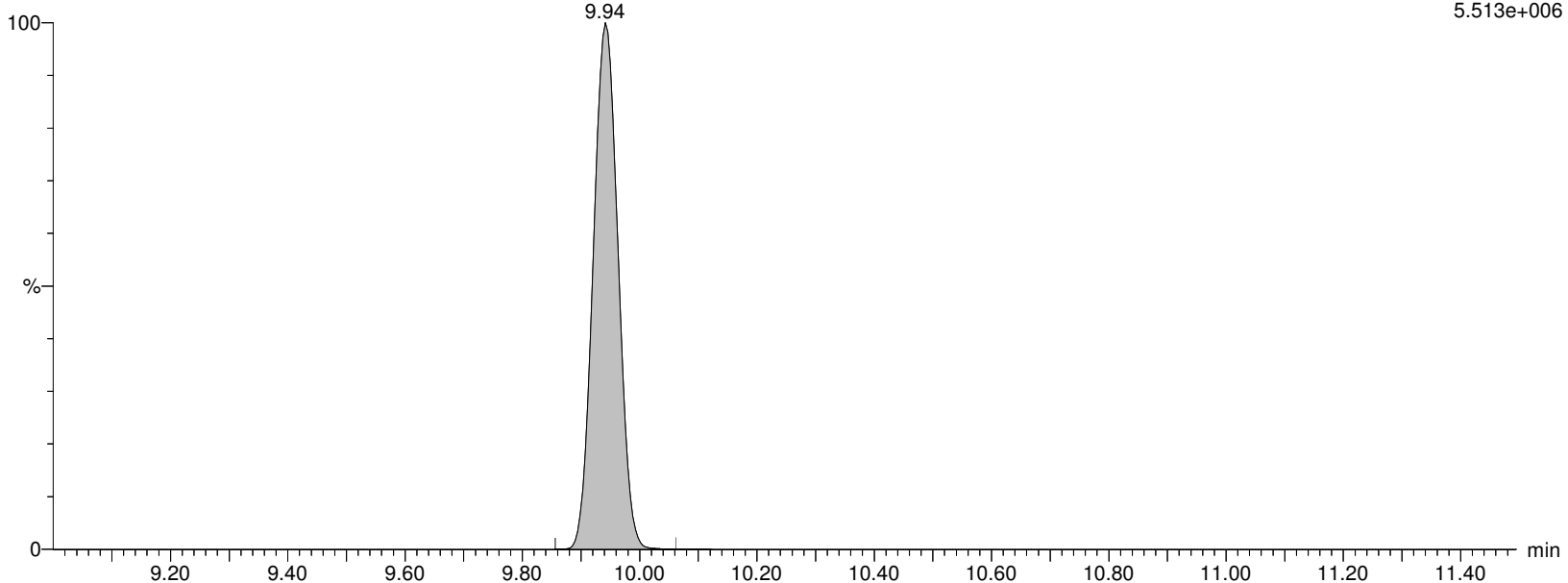
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F26:MRM of 2 channels,ES-

462.989 > 219.04

5.513e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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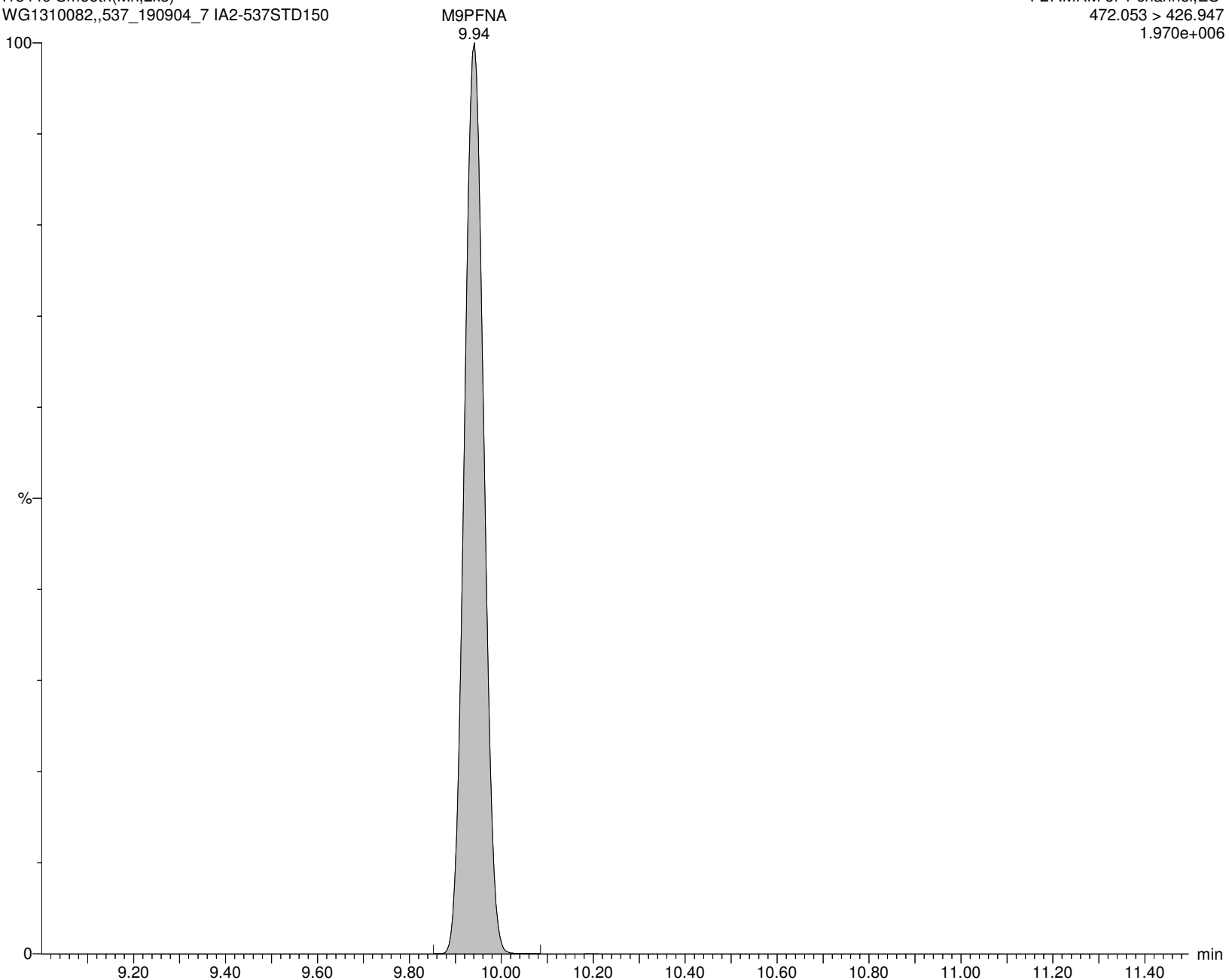
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F27:MRM of 1 channel,ES-

472.053 > 426.947

1.970e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

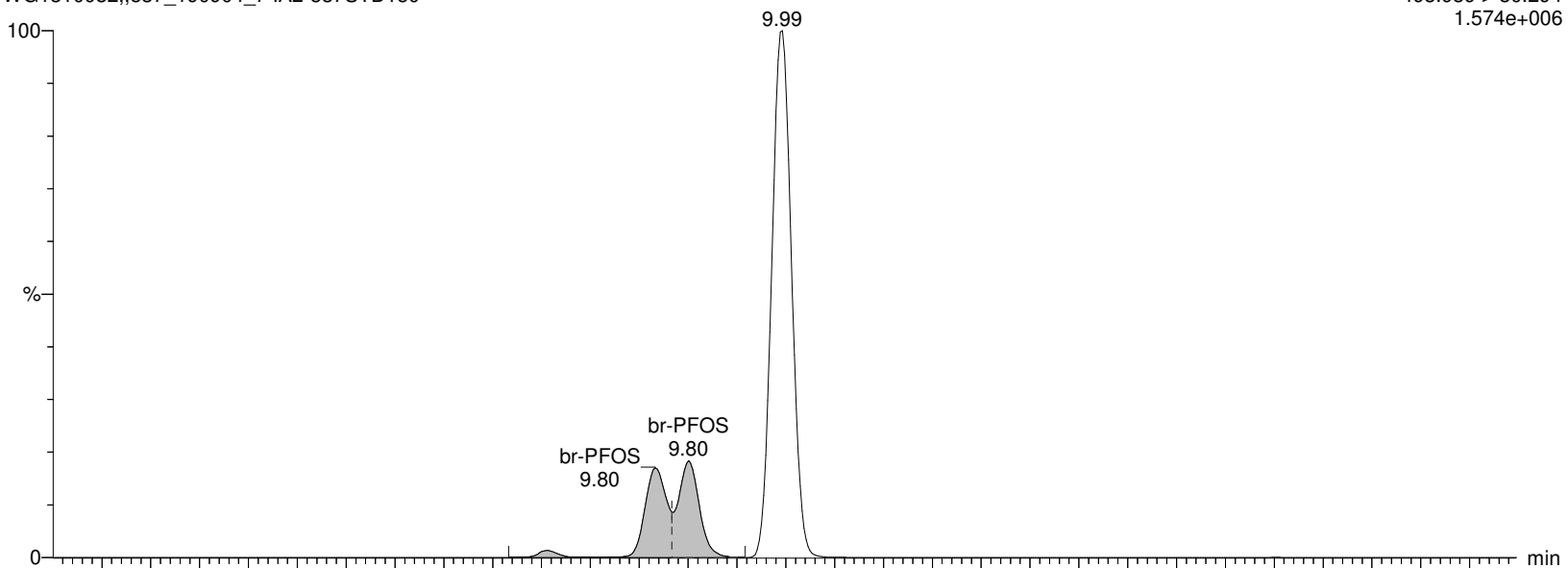
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.574e+006



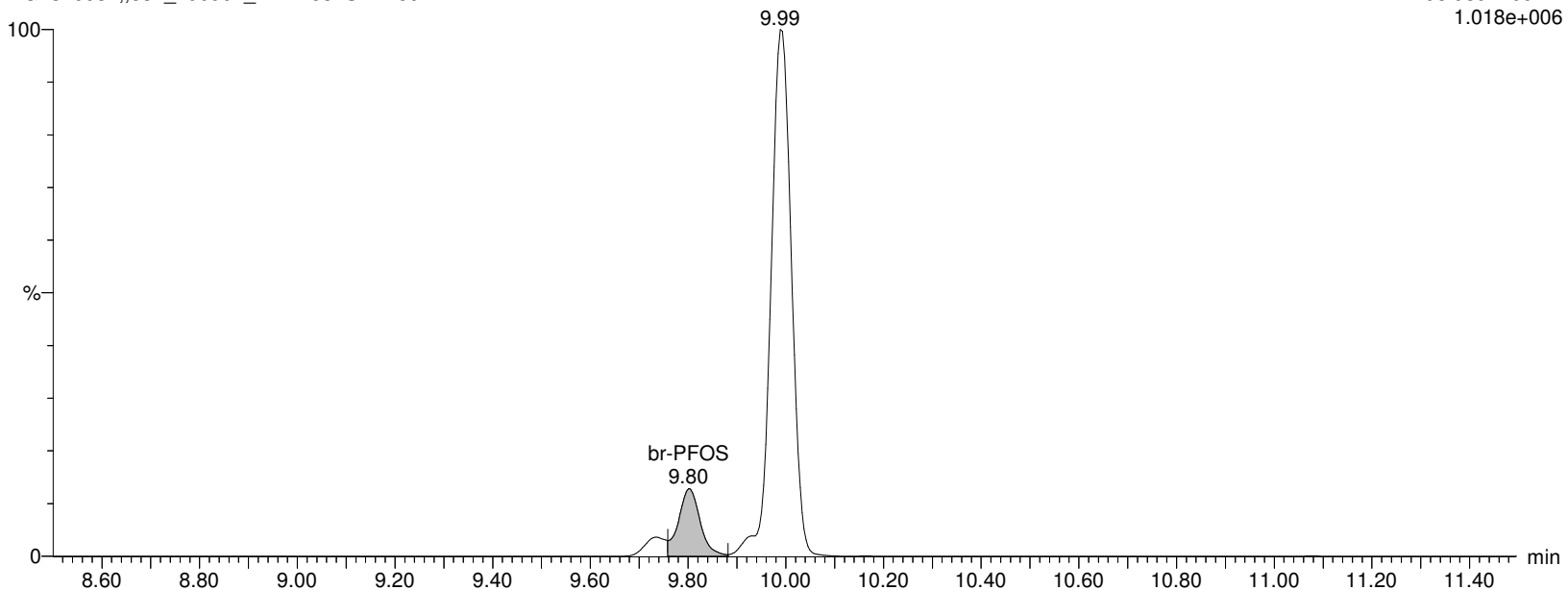
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.018e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

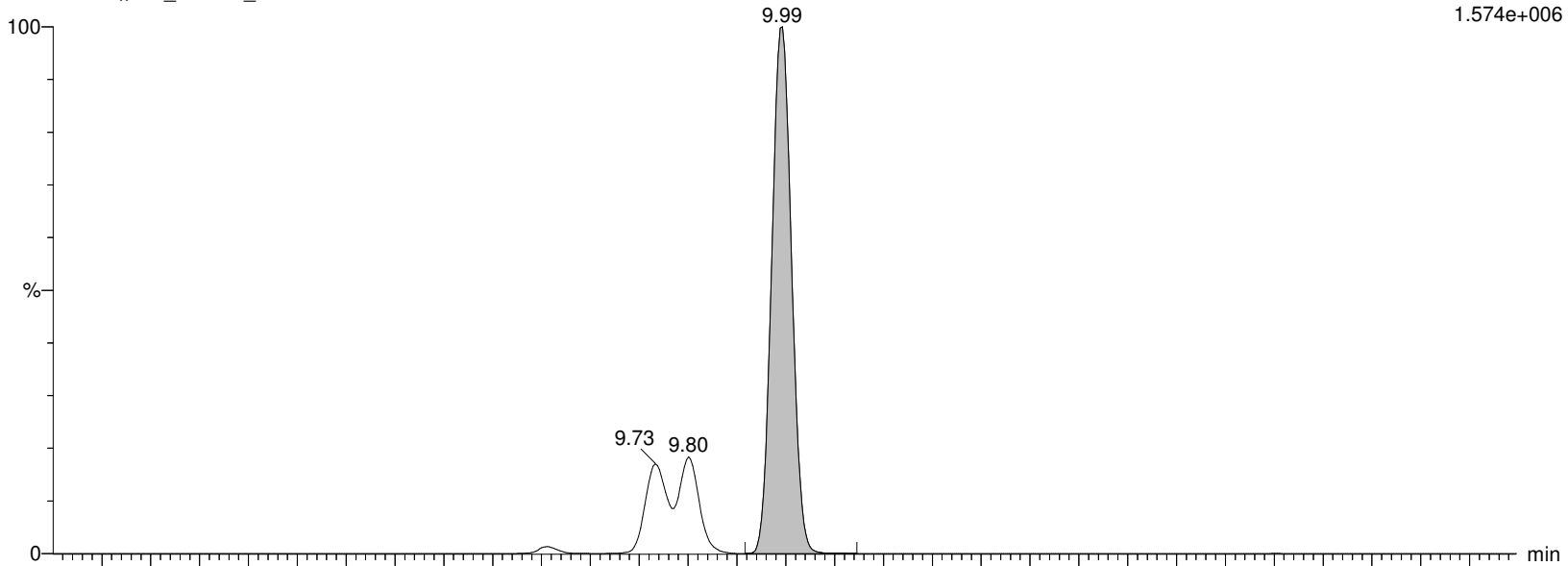
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.574e+006



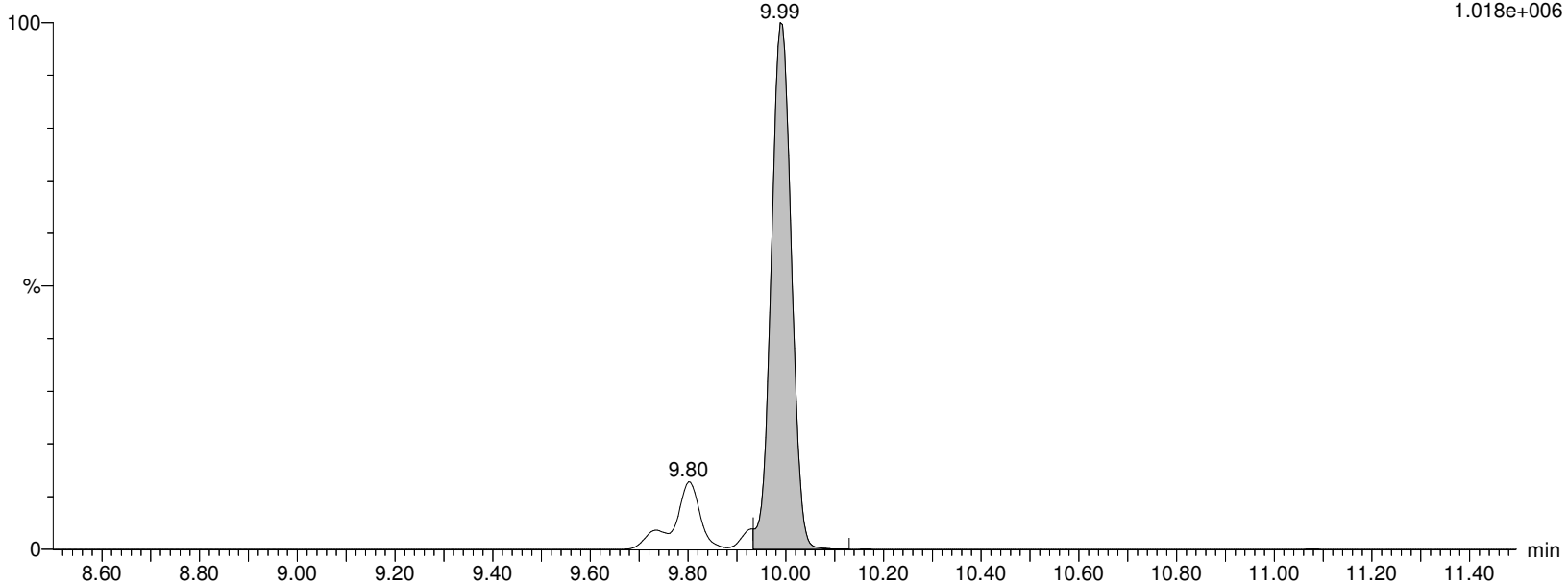
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.018e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13440

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Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

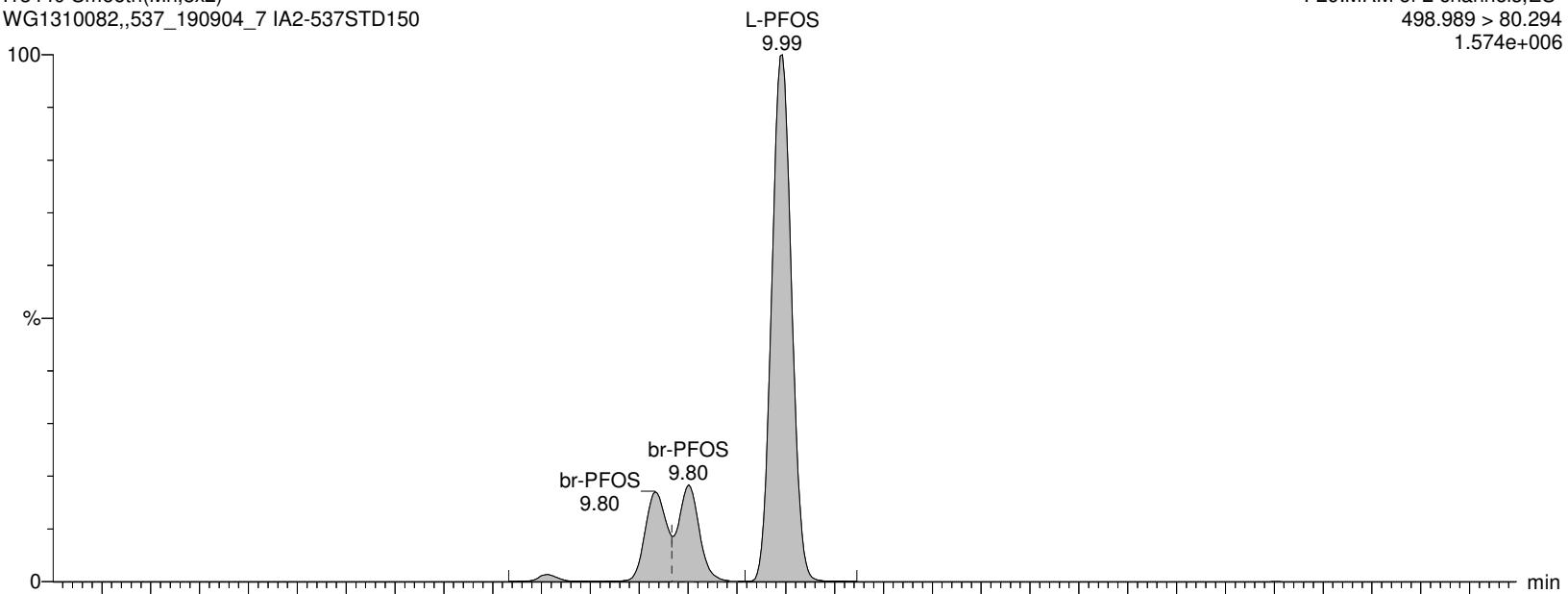
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.574e+006



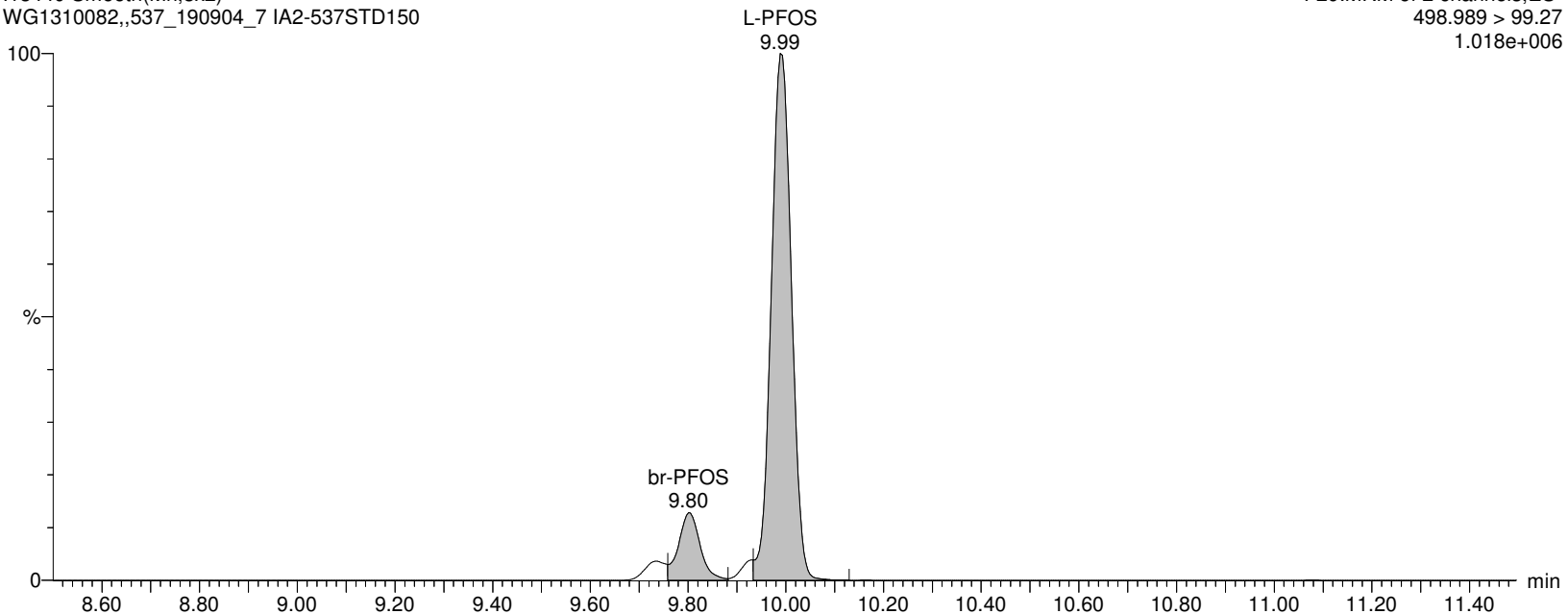
I13440 Smooth(Mn,3x2)

WG1310082,,537_190904_7 IA2-537STD150

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.018e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

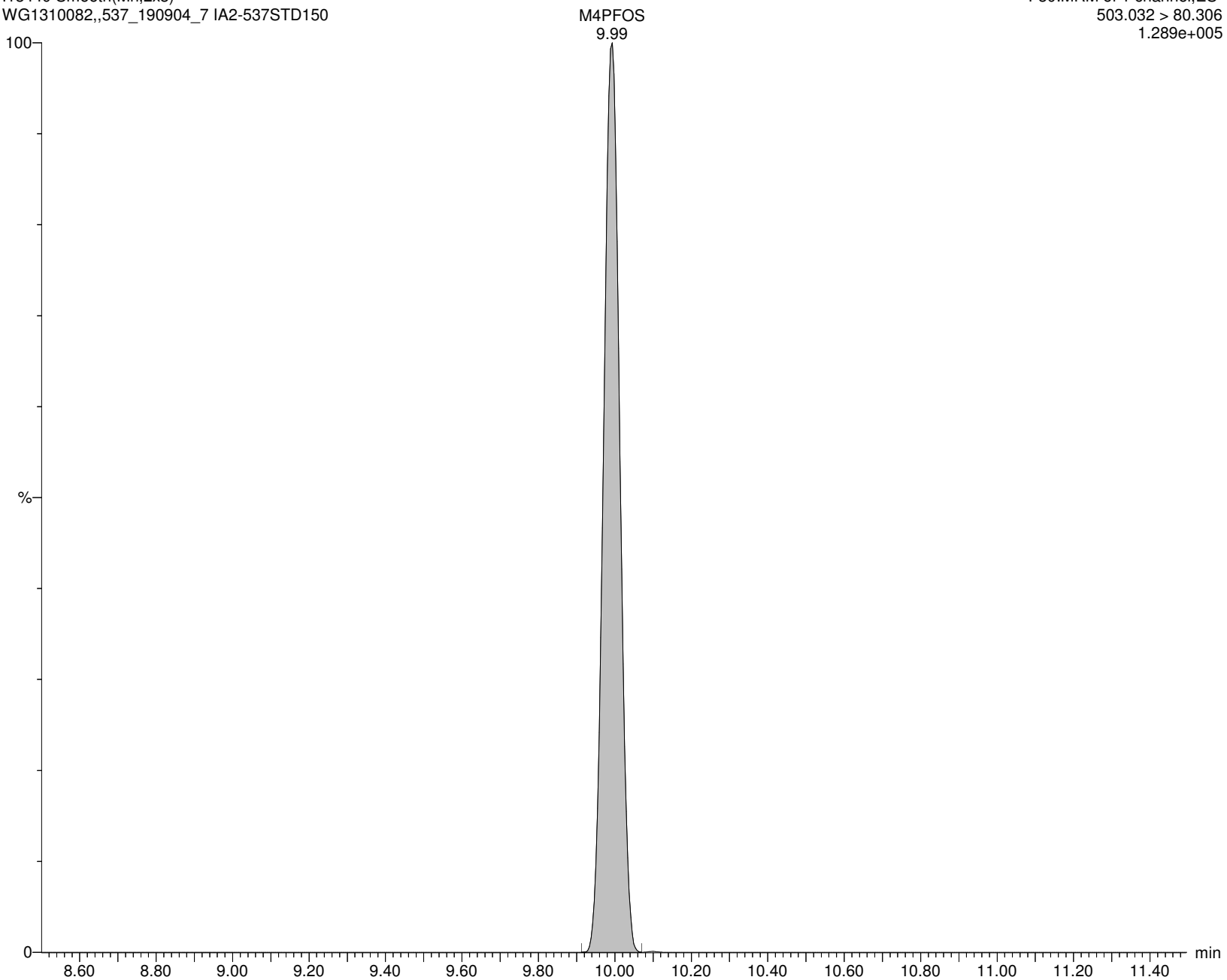
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.289e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

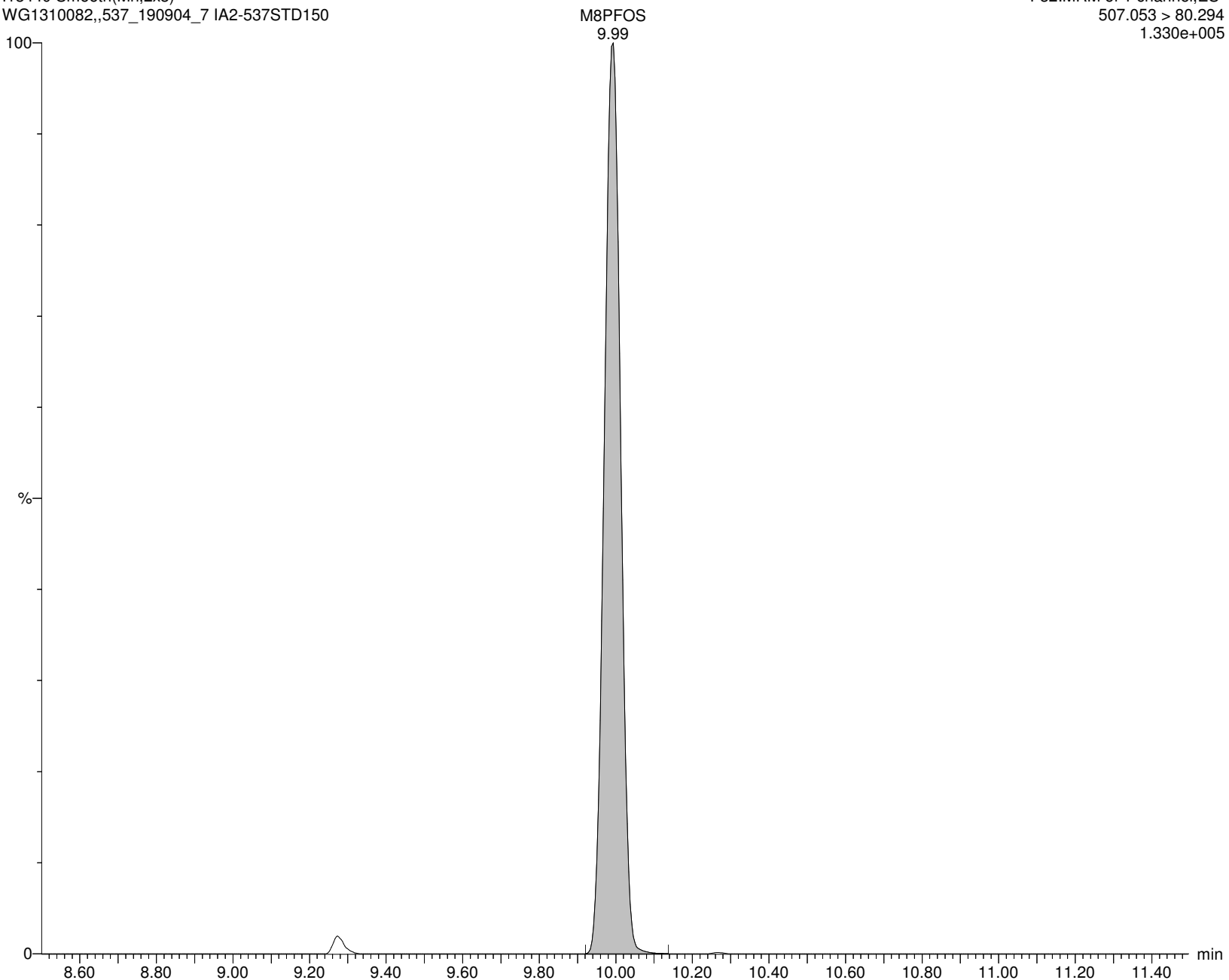
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.330e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

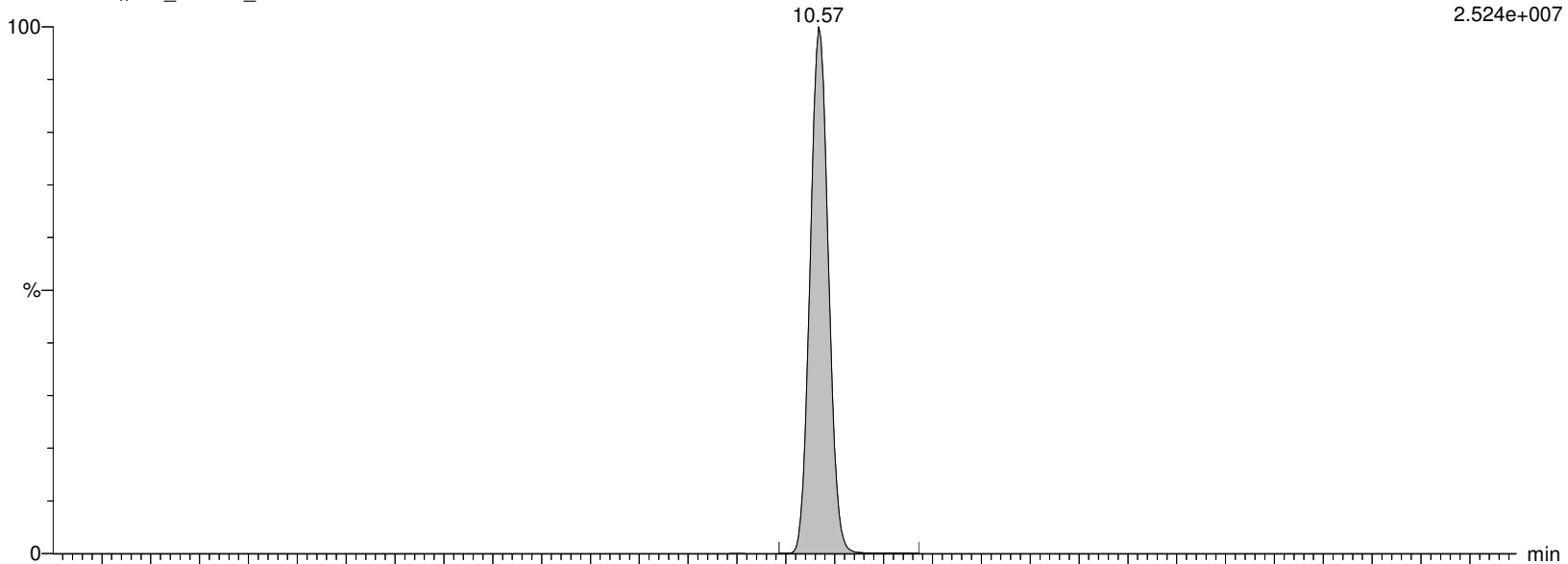
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F34:MRM of 2 channels,ES-

513.053 > 468.906

2.524e+007



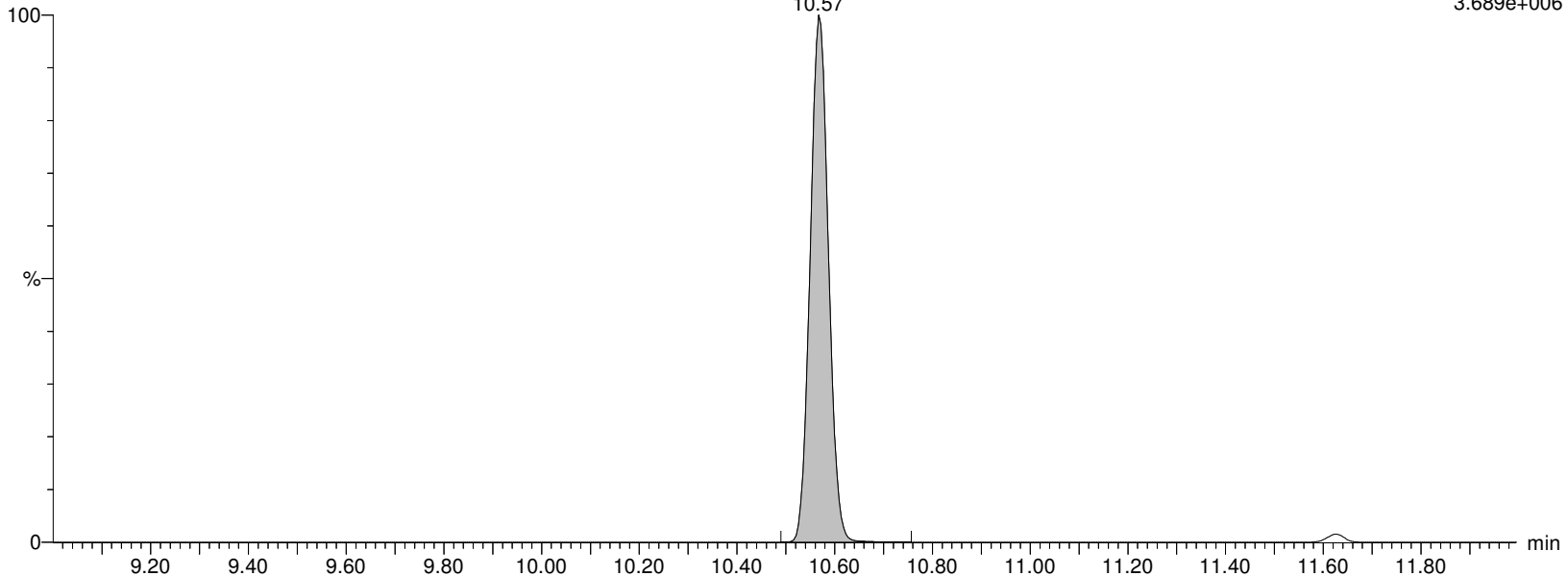
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F34:MRM of 2 channels,ES-

513.053 > 219.08

3.689e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

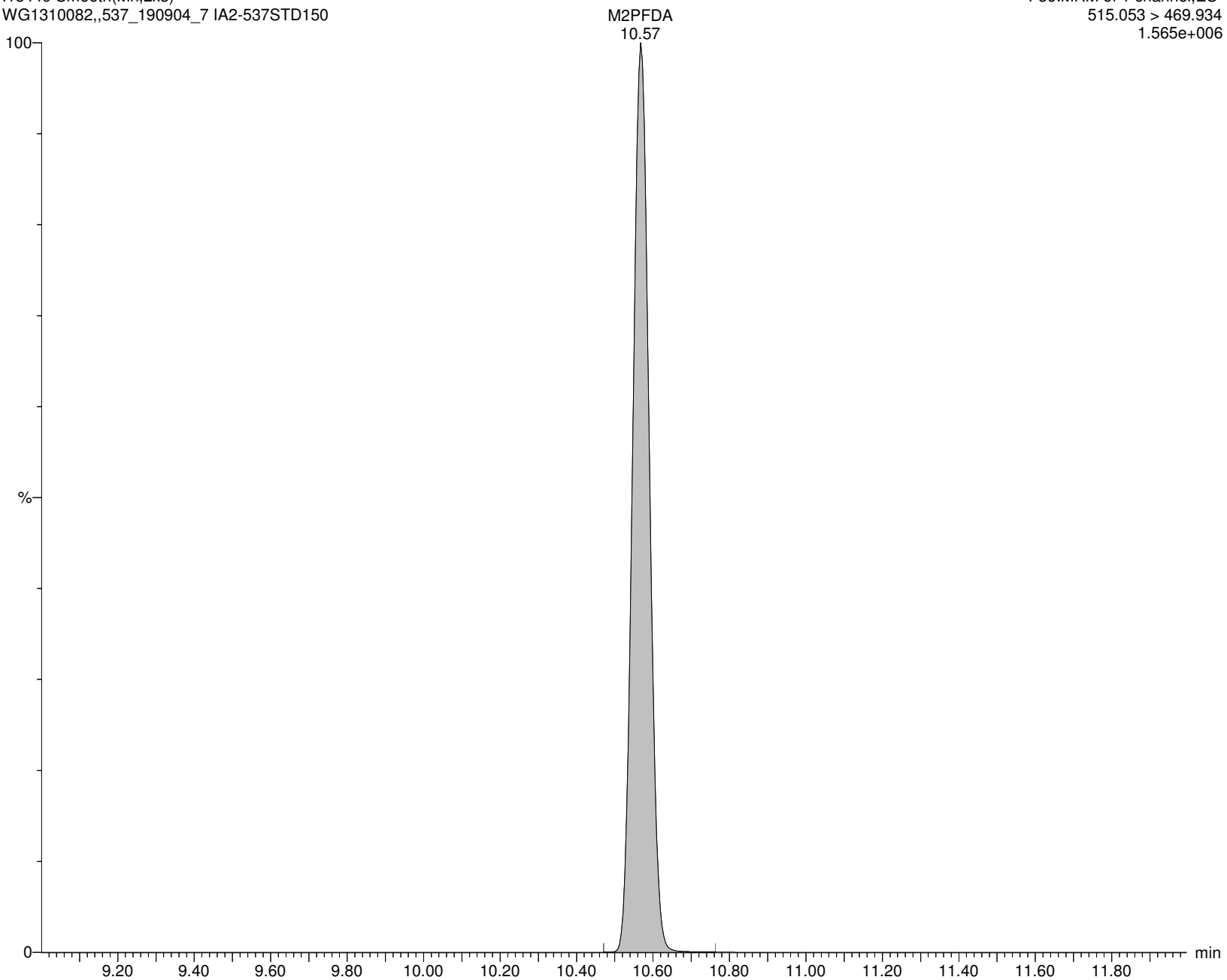
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F36:MRM of 1 channel,ES-

515.053 > 469.934

1.565e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

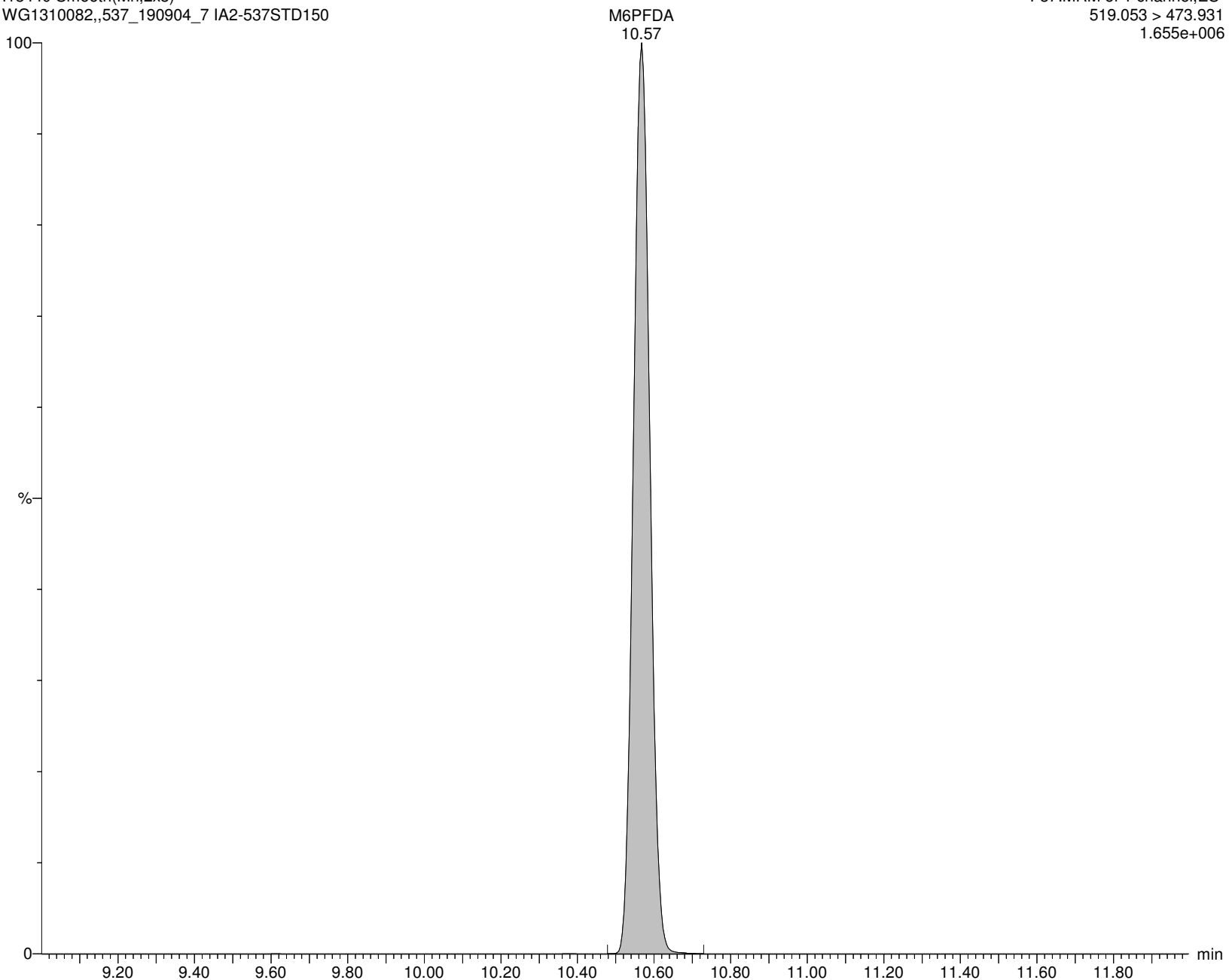
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F37:MRM of 1 channel,ES-

519.053 > 473.931

1.655e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

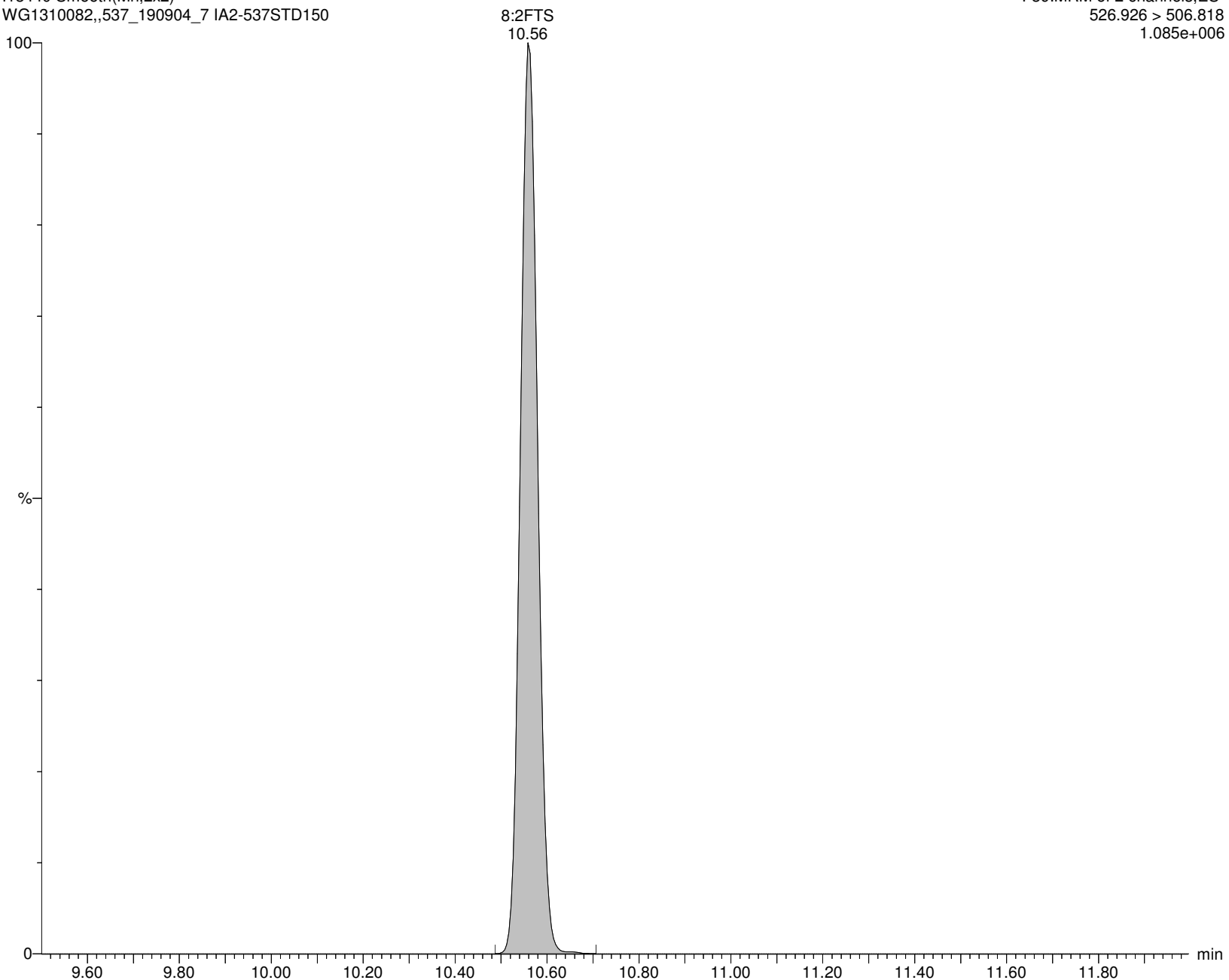
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F39:MRM of 2 channels,ES-

526.926 > 506.818

1.085e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

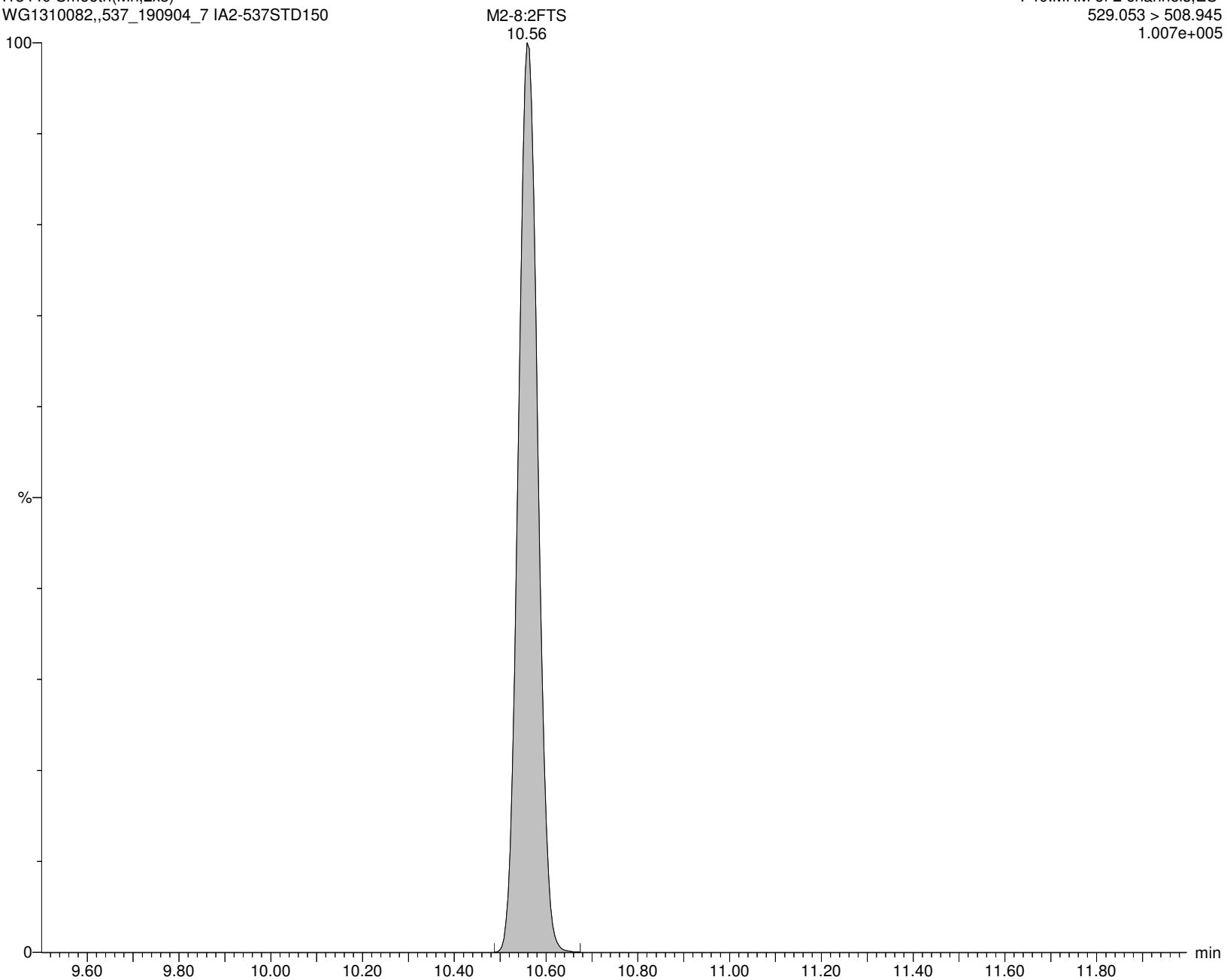
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F40:MRM of 2 channels,ES-

529.053 > 508.945

1.007e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

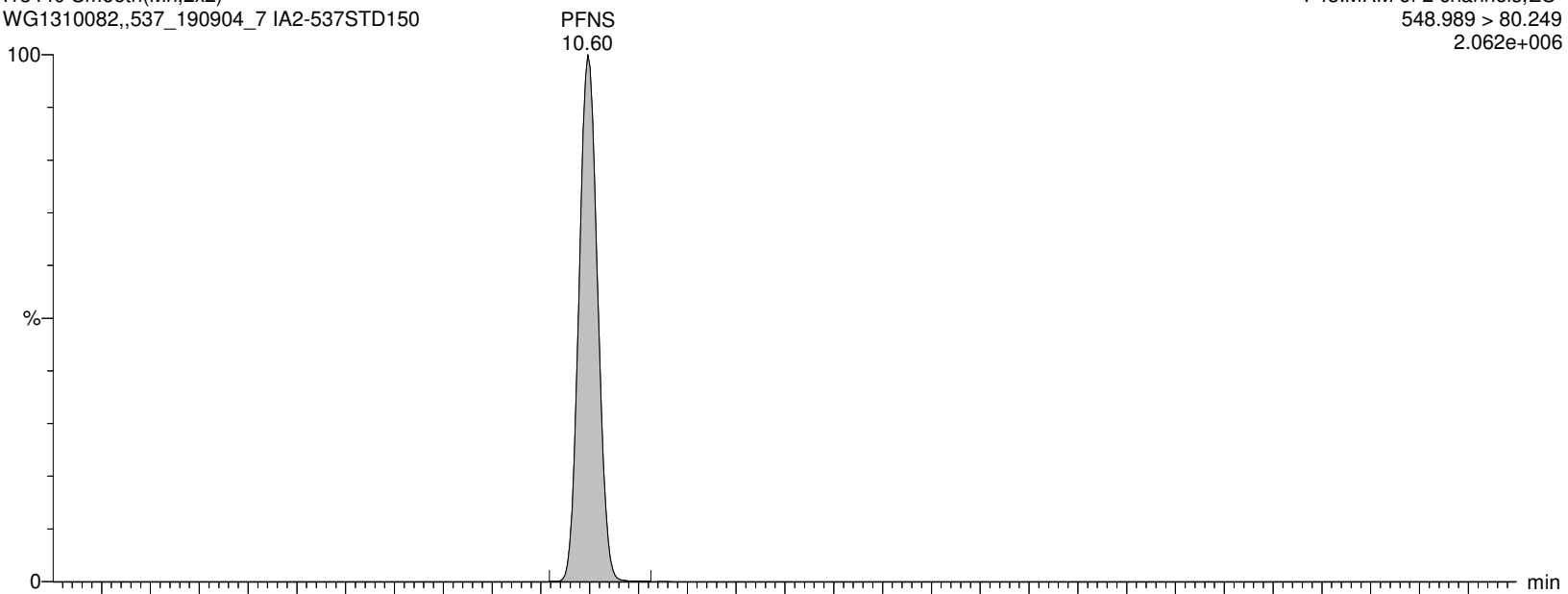
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



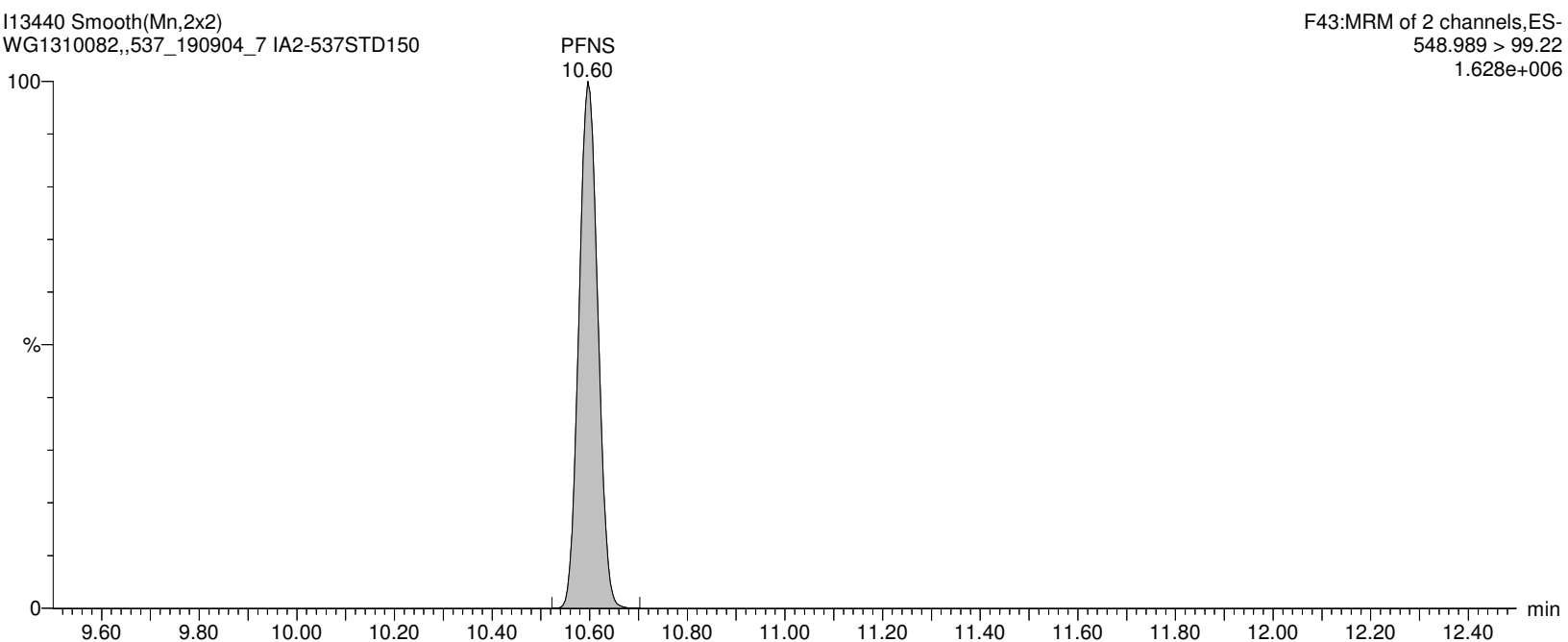
F43:MRM of 2 channels,ES-

548.989 > 80.249

2.062e+006

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



F43:MRM of 2 channels,ES-

548.989 > 99.22

1.628e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

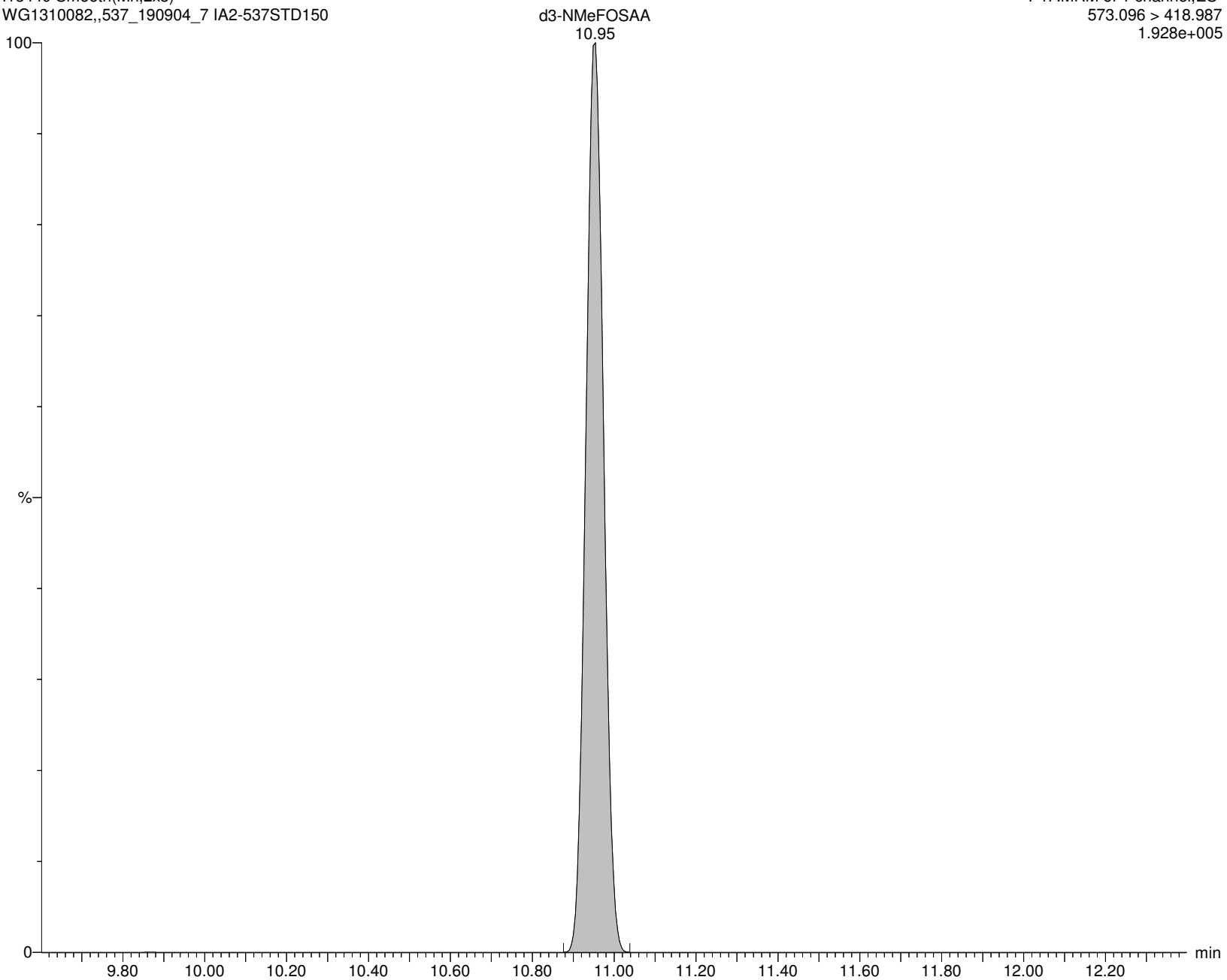
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F47:MRM of 1 channel,ES-

573.096 > 418.987

1.928e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

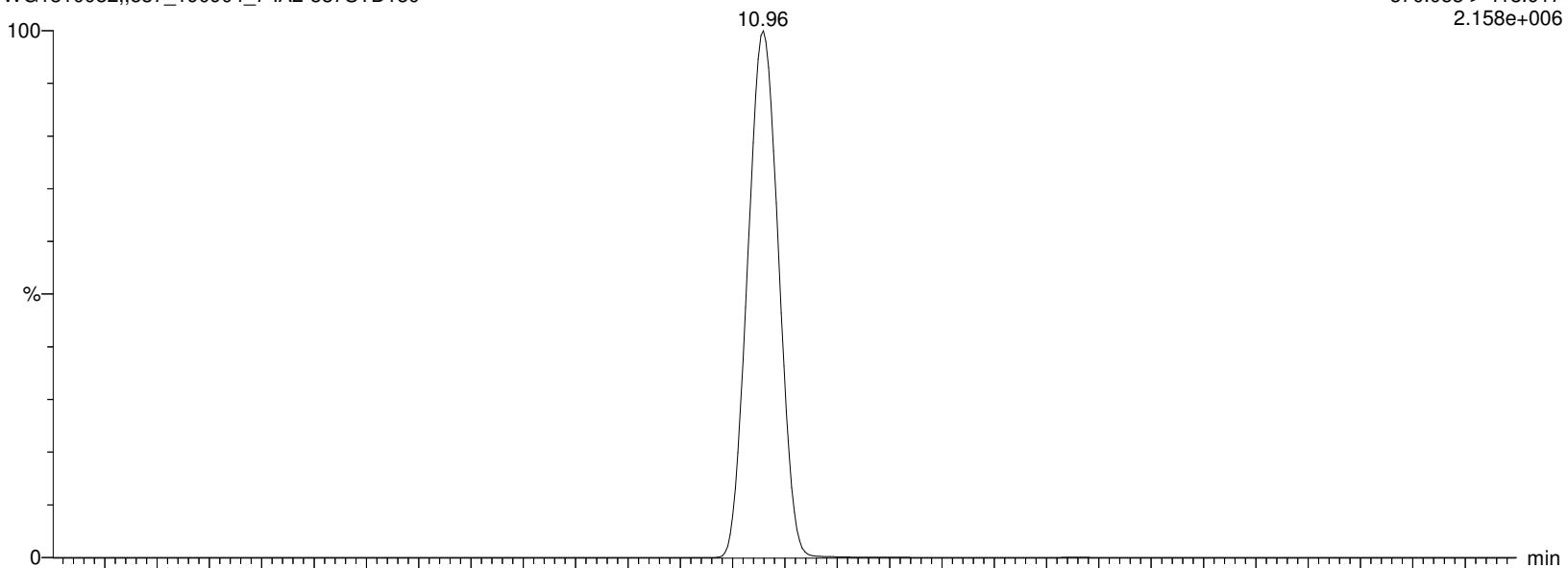
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

570.053 > 418.917

2.158e+006



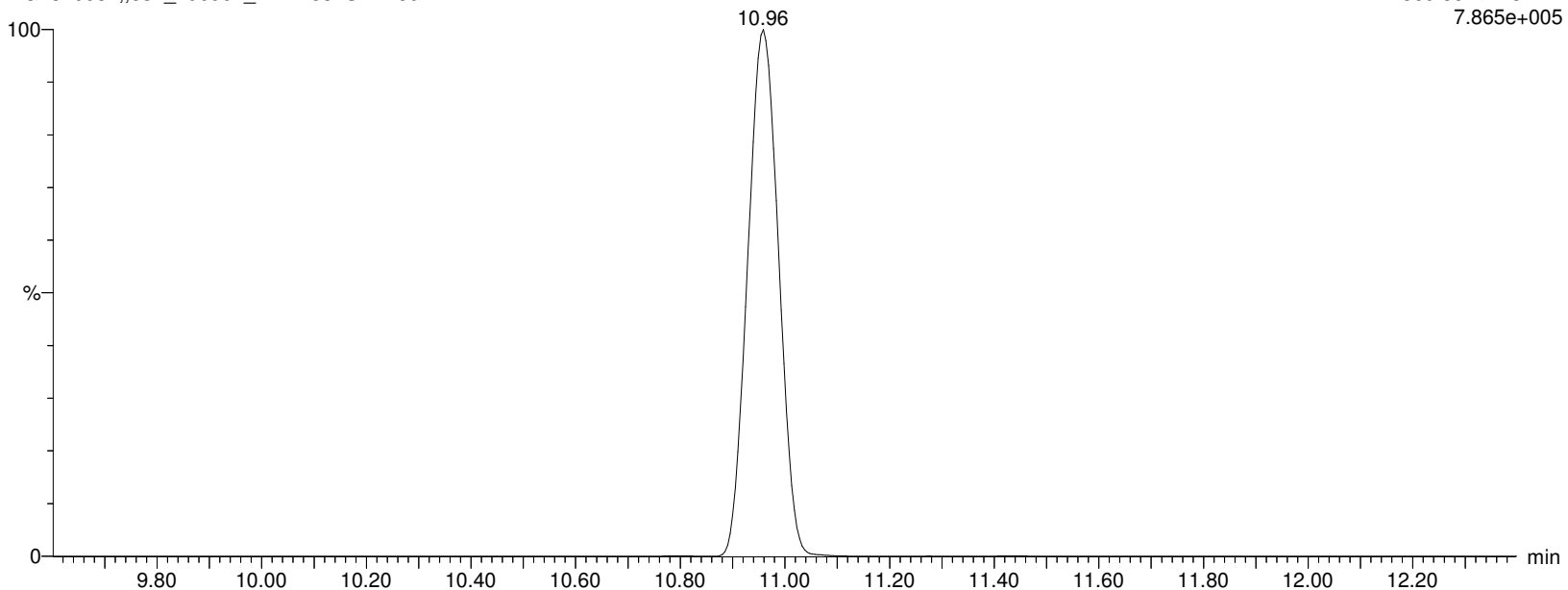
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.865e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

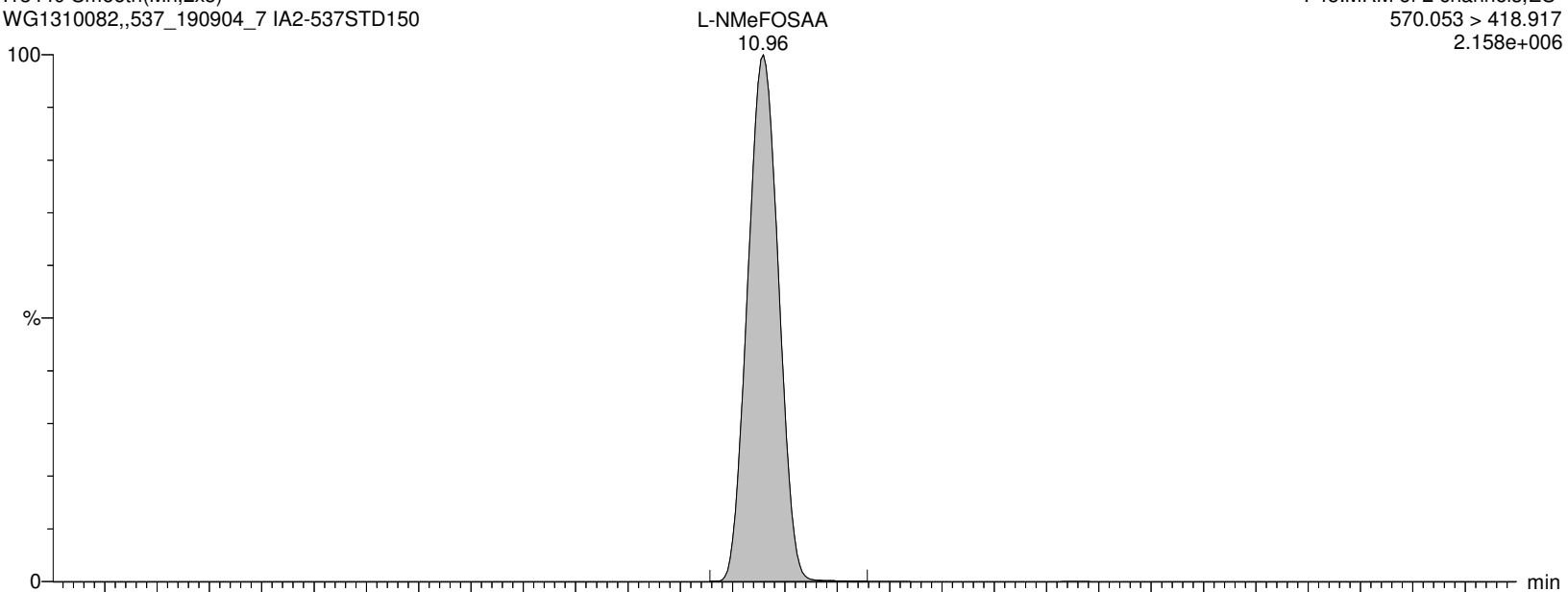
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

570.053 > 418.917

2.158e+006



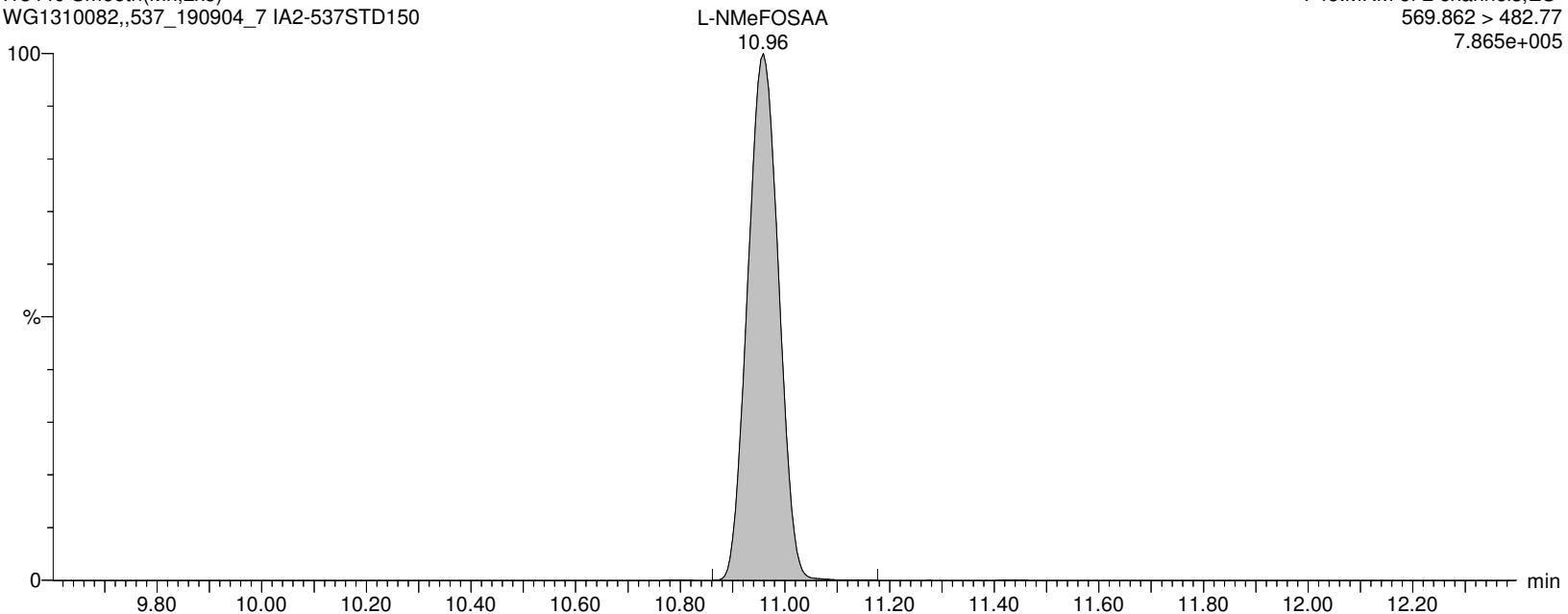
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.865e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

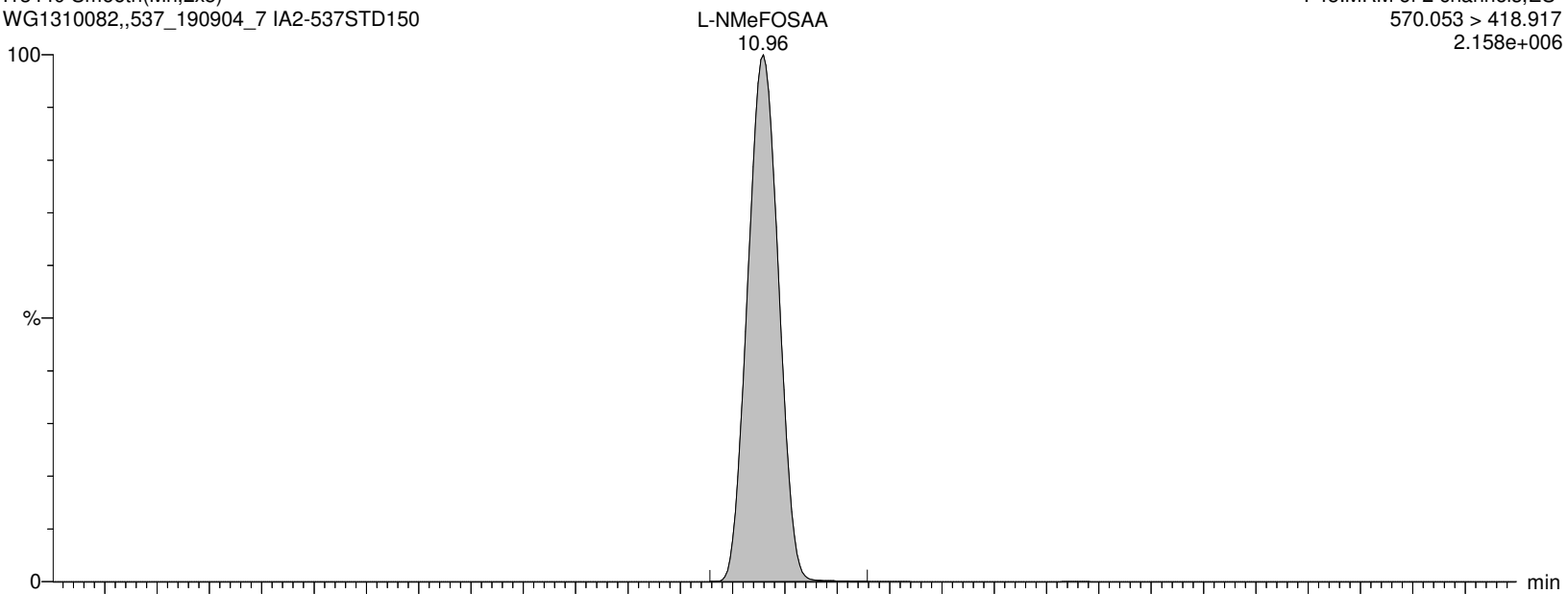
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

570.053 > 418.917

2.158e+006



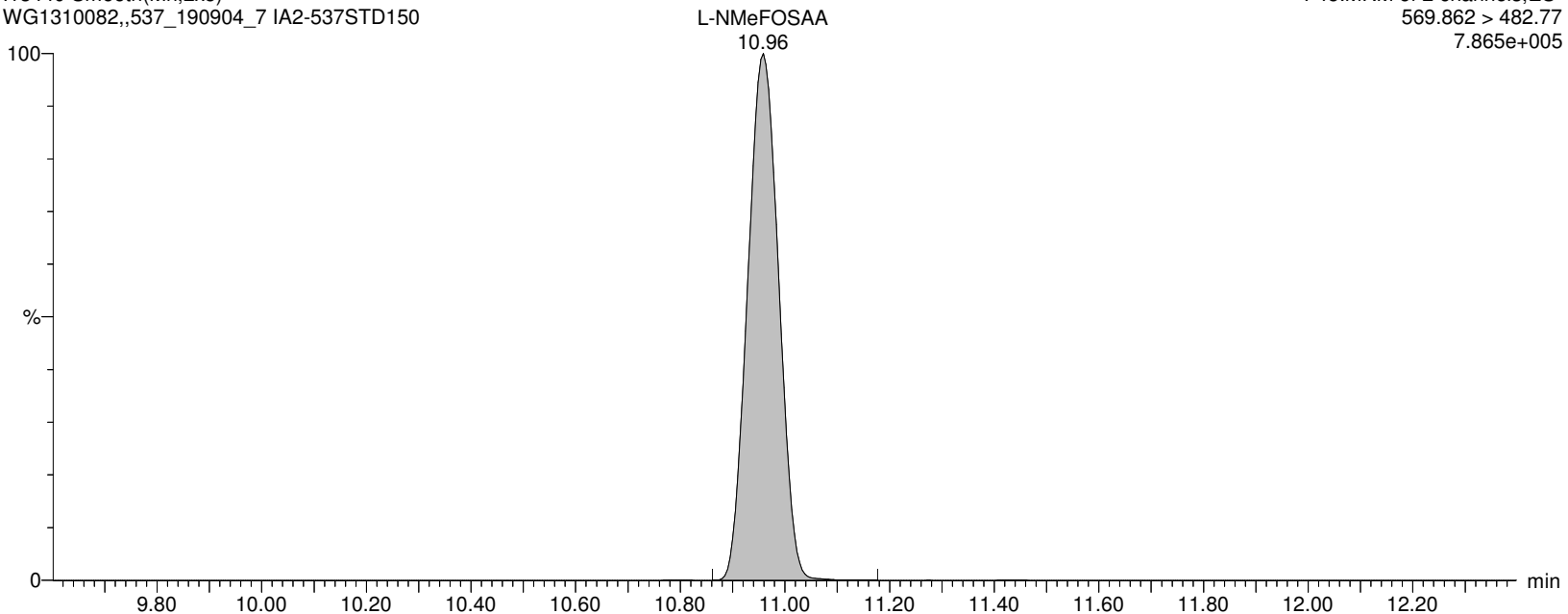
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.865e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

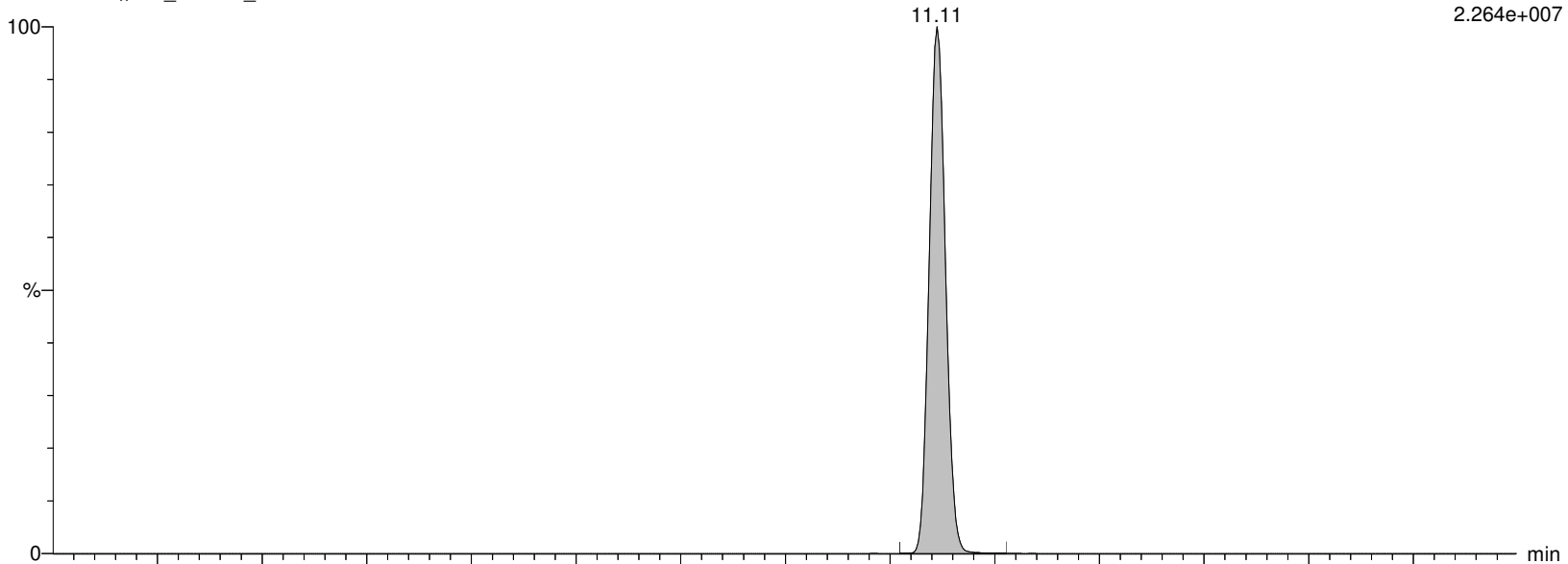
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F44:MRM of 2 channels,ES-

562.989 > 518.903

2.264e+007



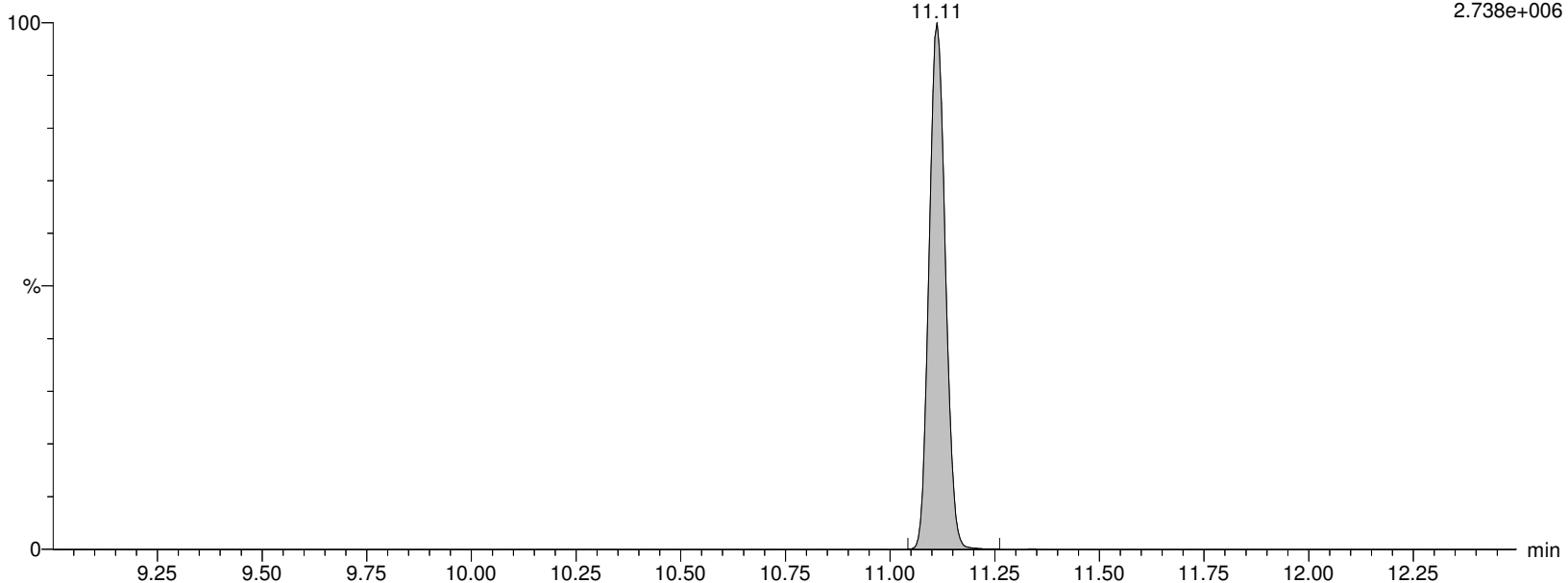
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F44:MRM of 2 channels,ES-

562.989 > 269.01

2.738e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

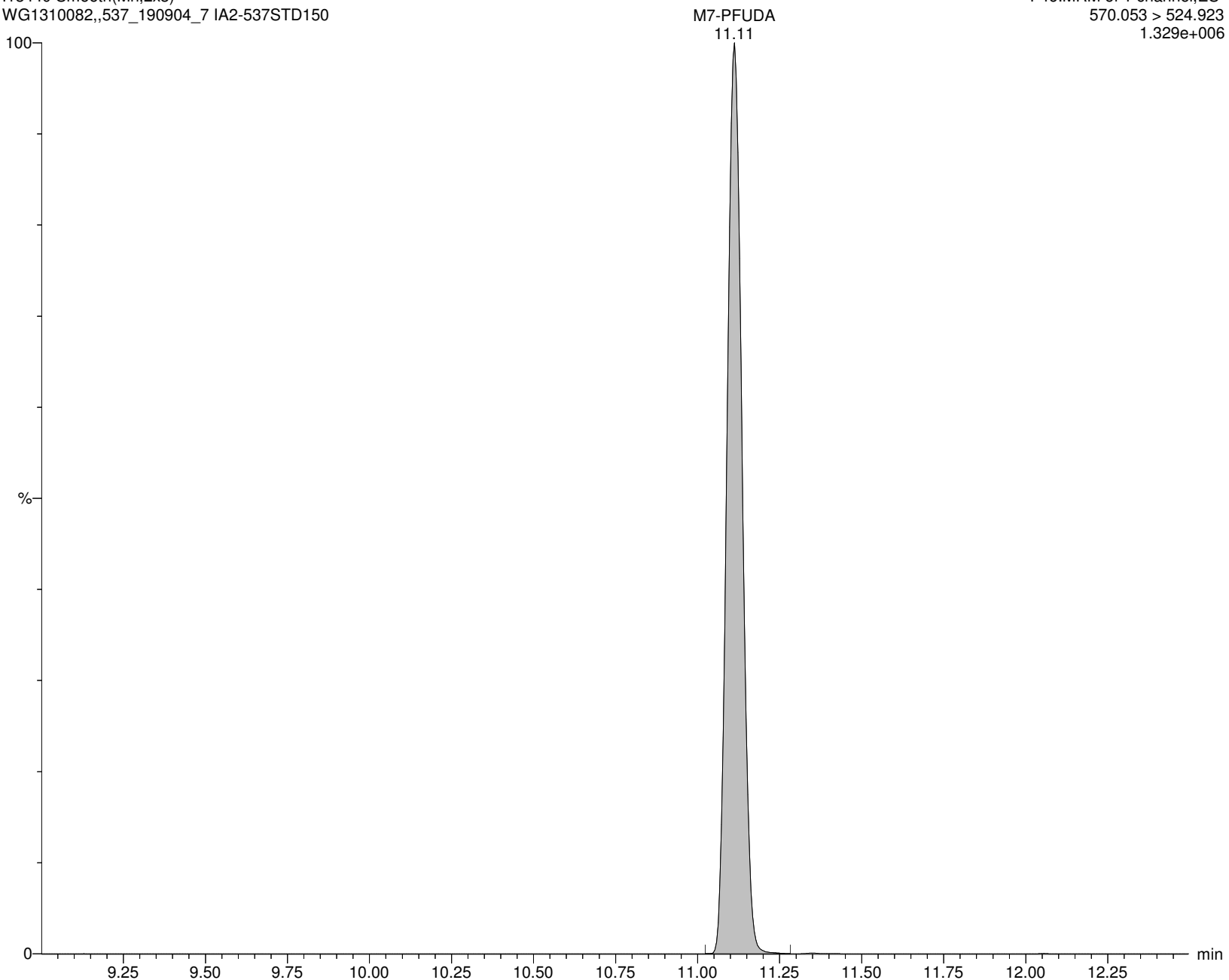
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.329e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

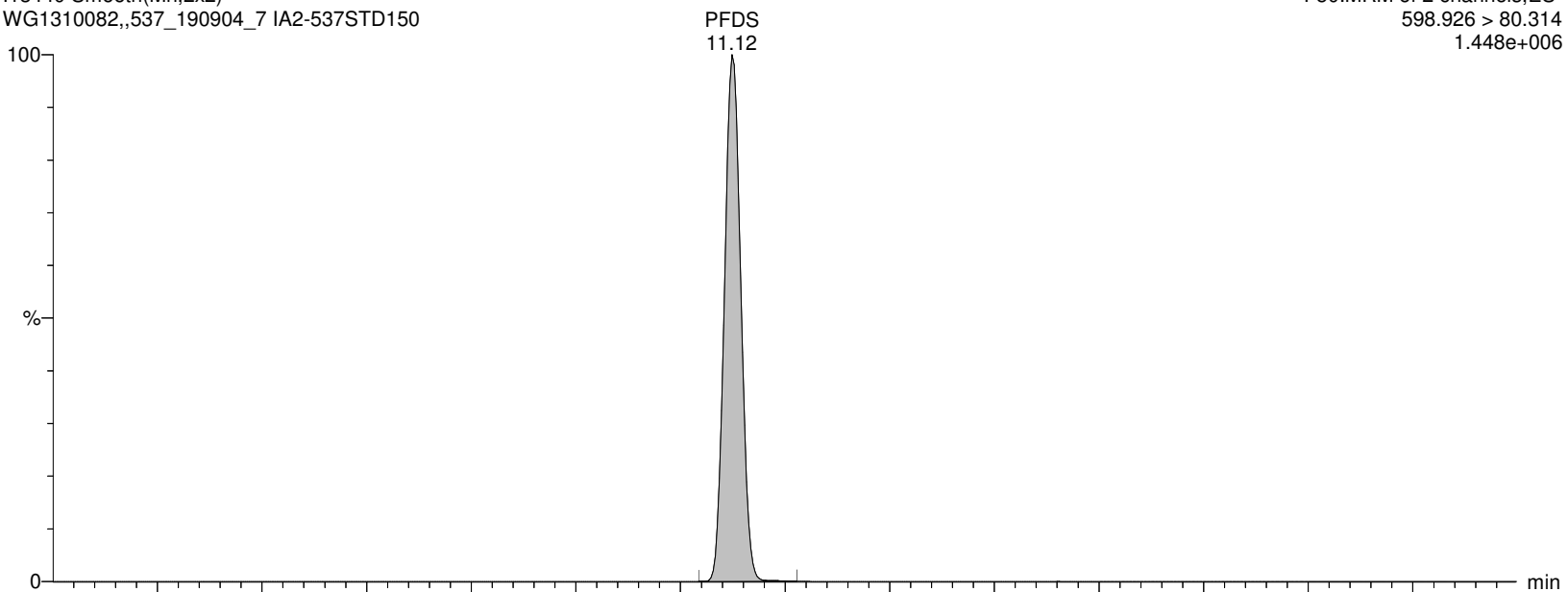
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F50:MRM of 2 channels,ES-

598.926 > 80.314

1.448e+006



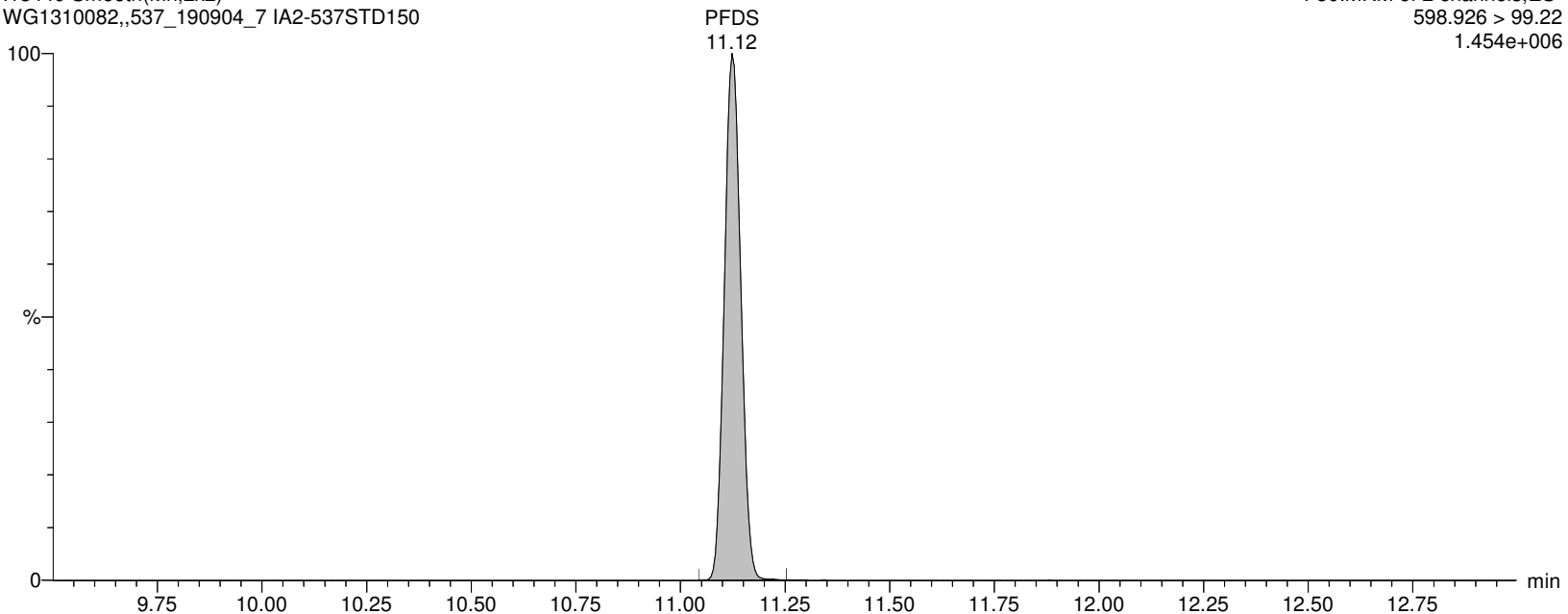
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.454e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

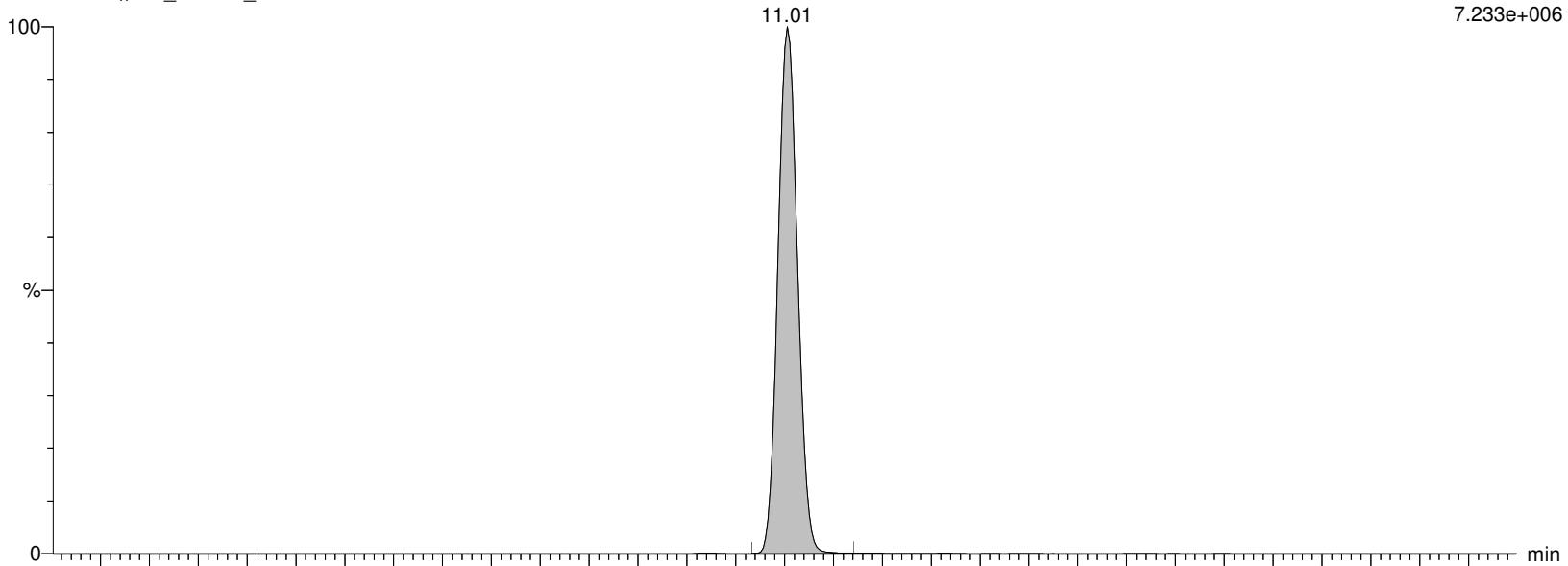
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



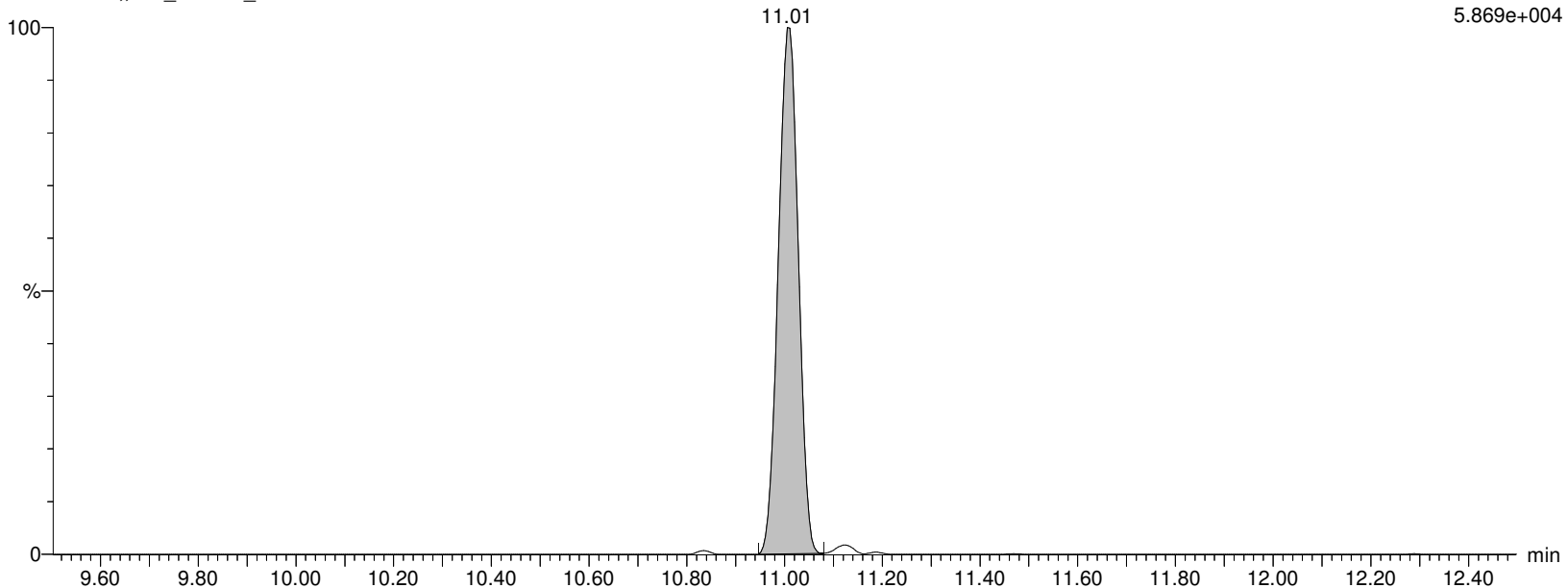
F28:MRM of 2 channels,ES-

497.989 > 78.245

7.233e+006

I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150



F28:MRM of 2 channels,ES-

497.989 > 168.854

5.869e+004

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

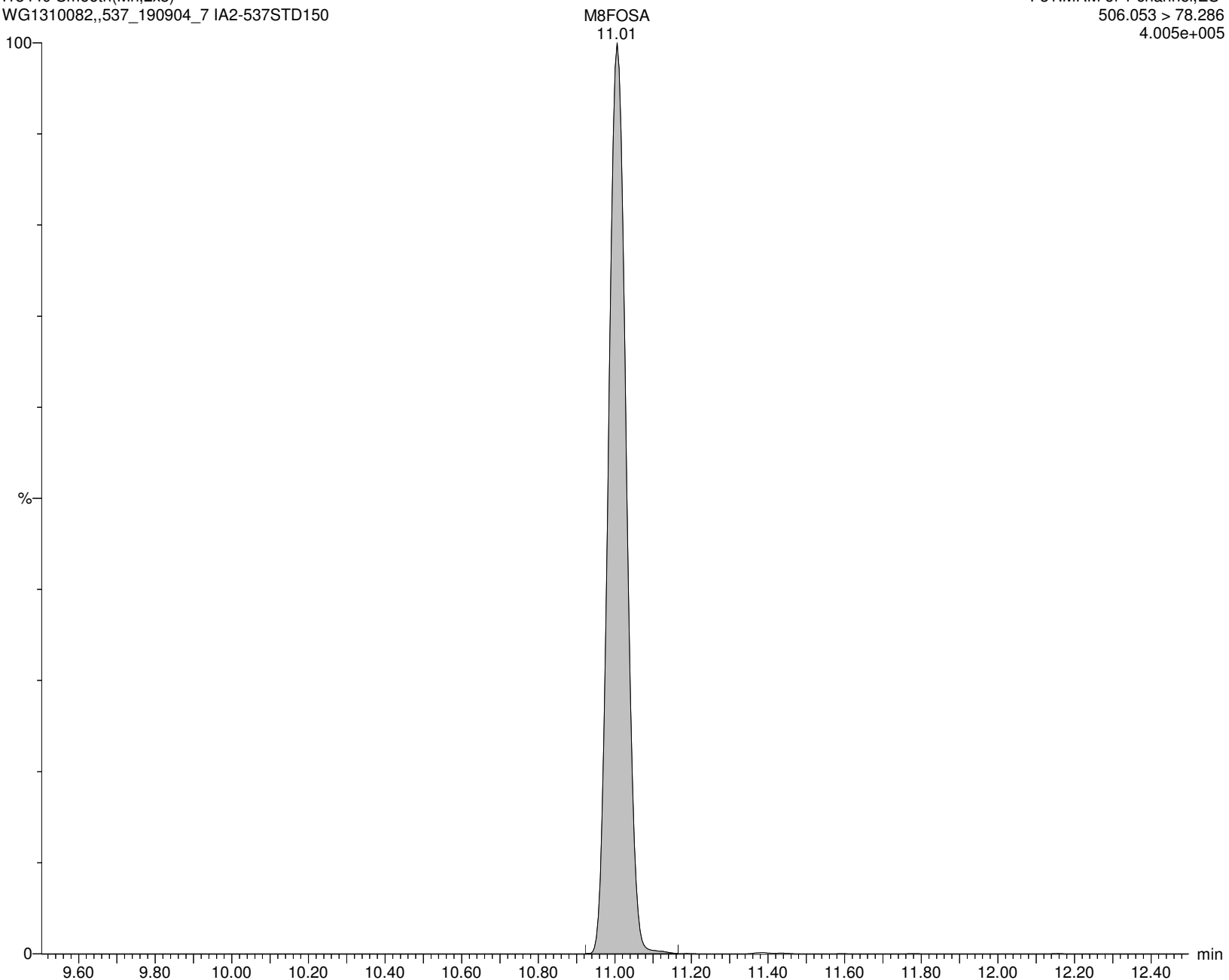
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.005e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

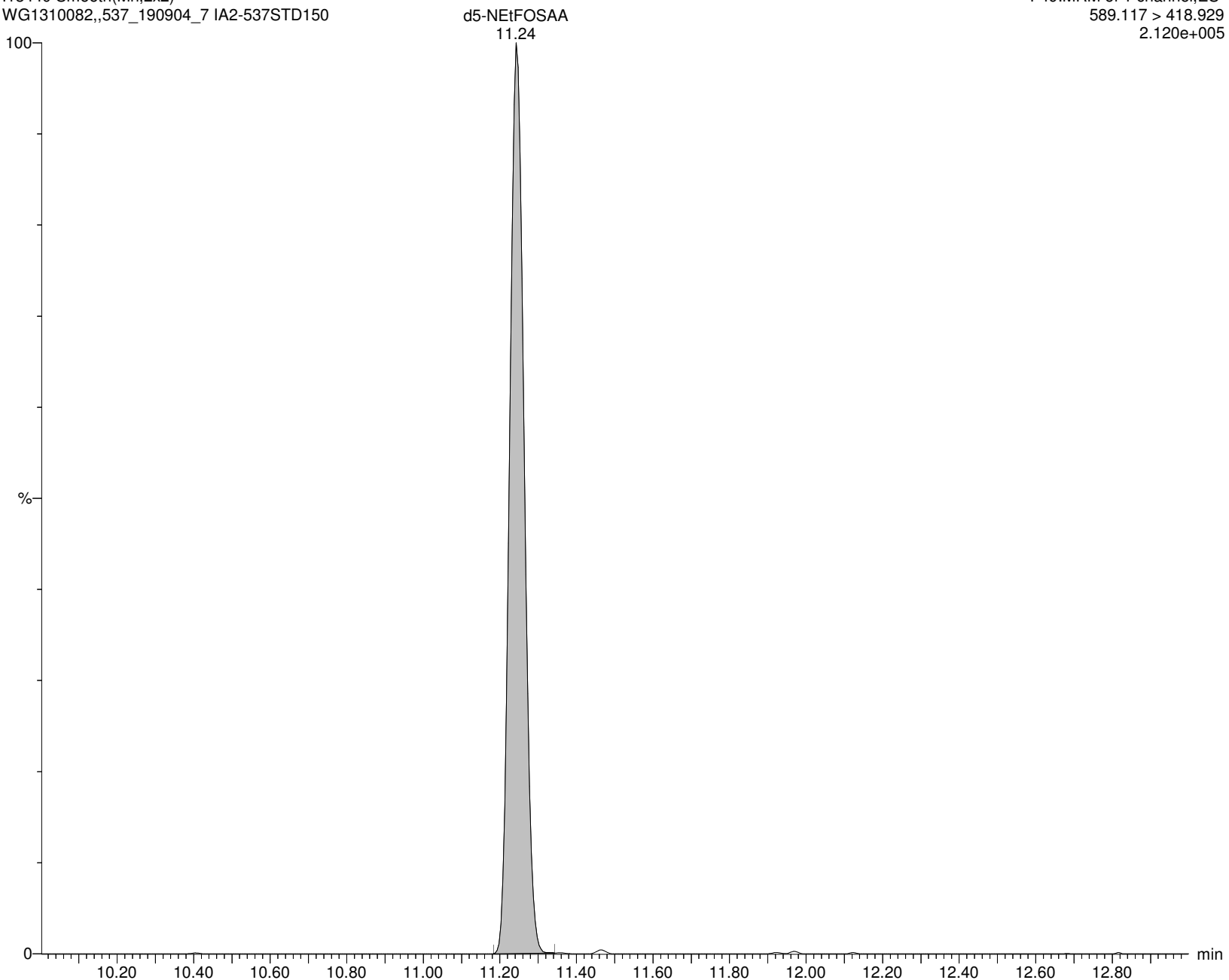
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.120e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

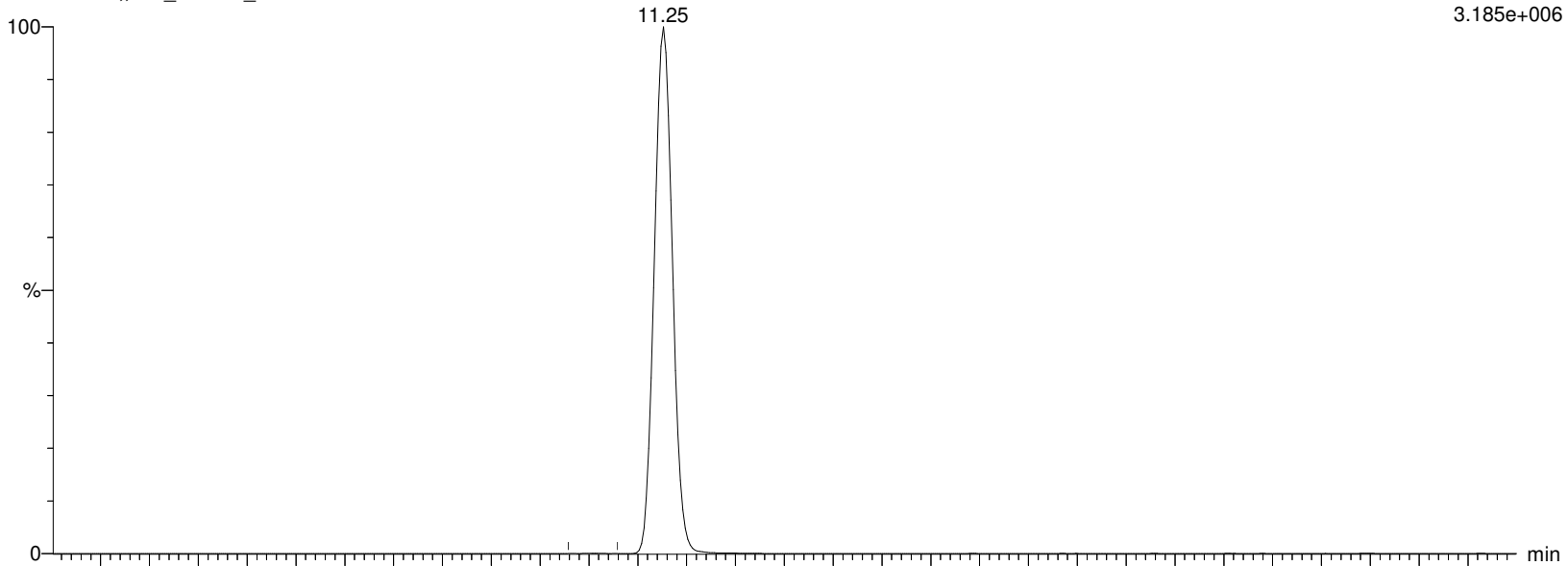
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 418.927

3.185e+006



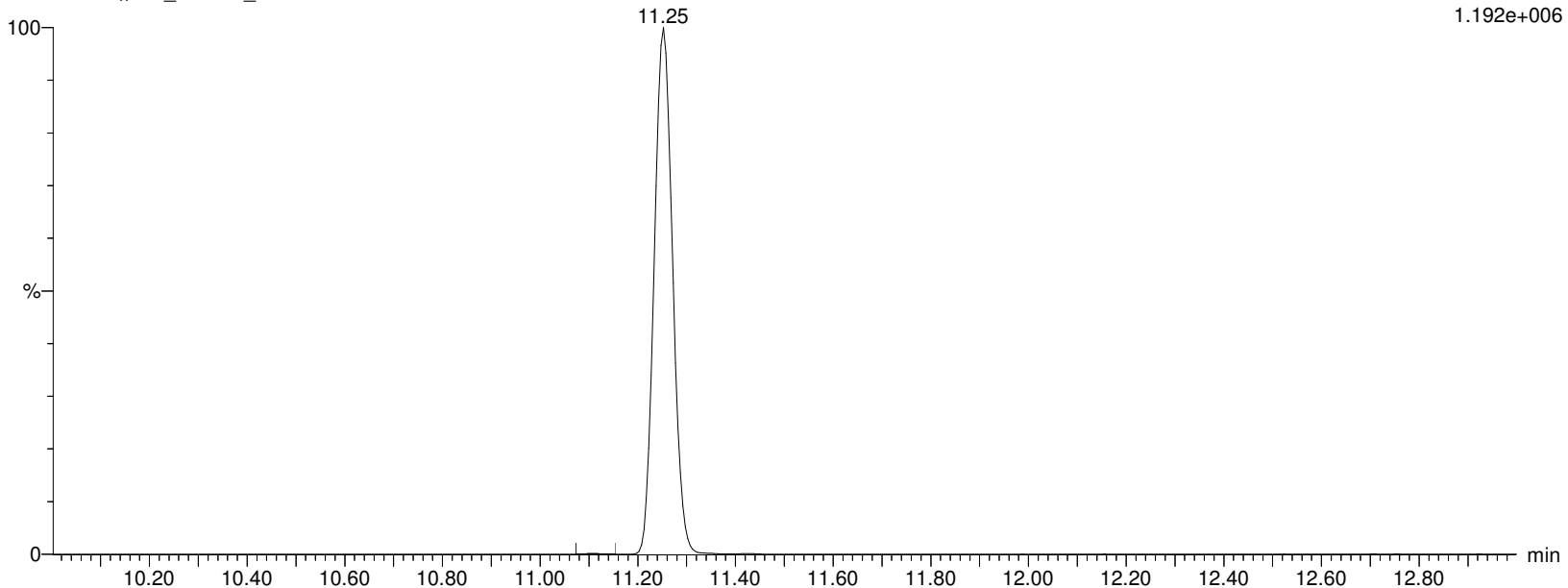
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.192e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

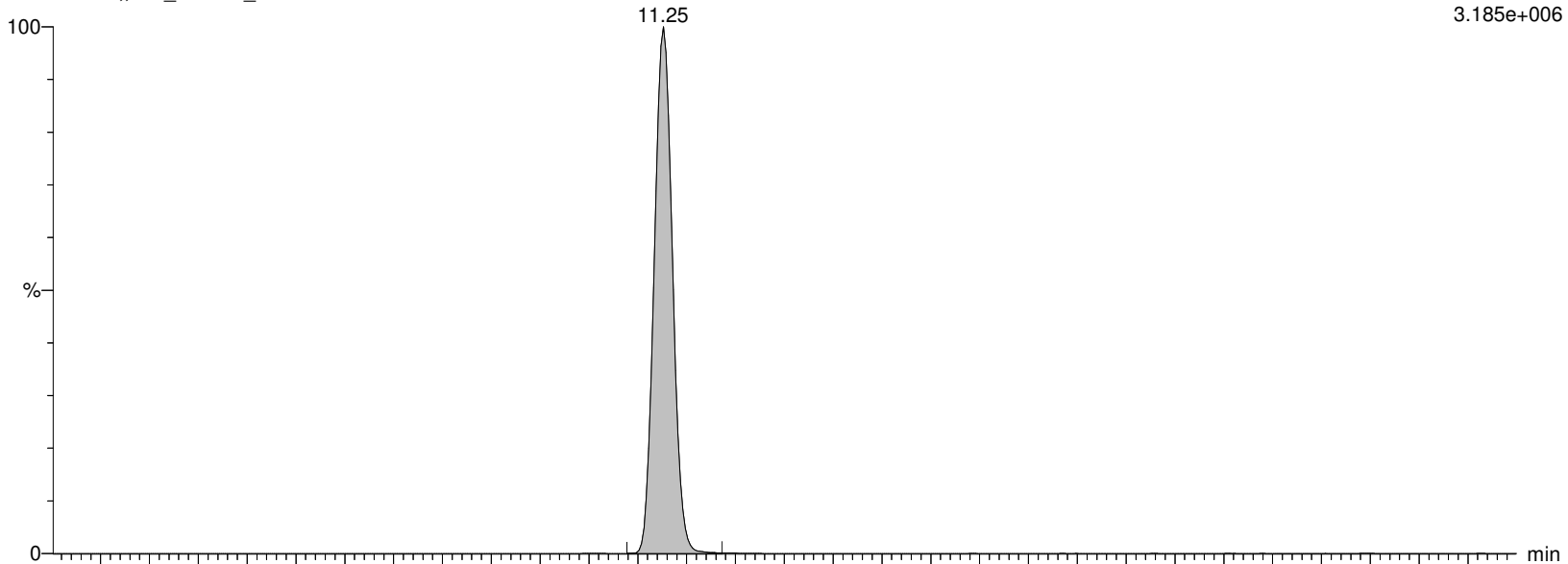
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 418.927

3.185e+006



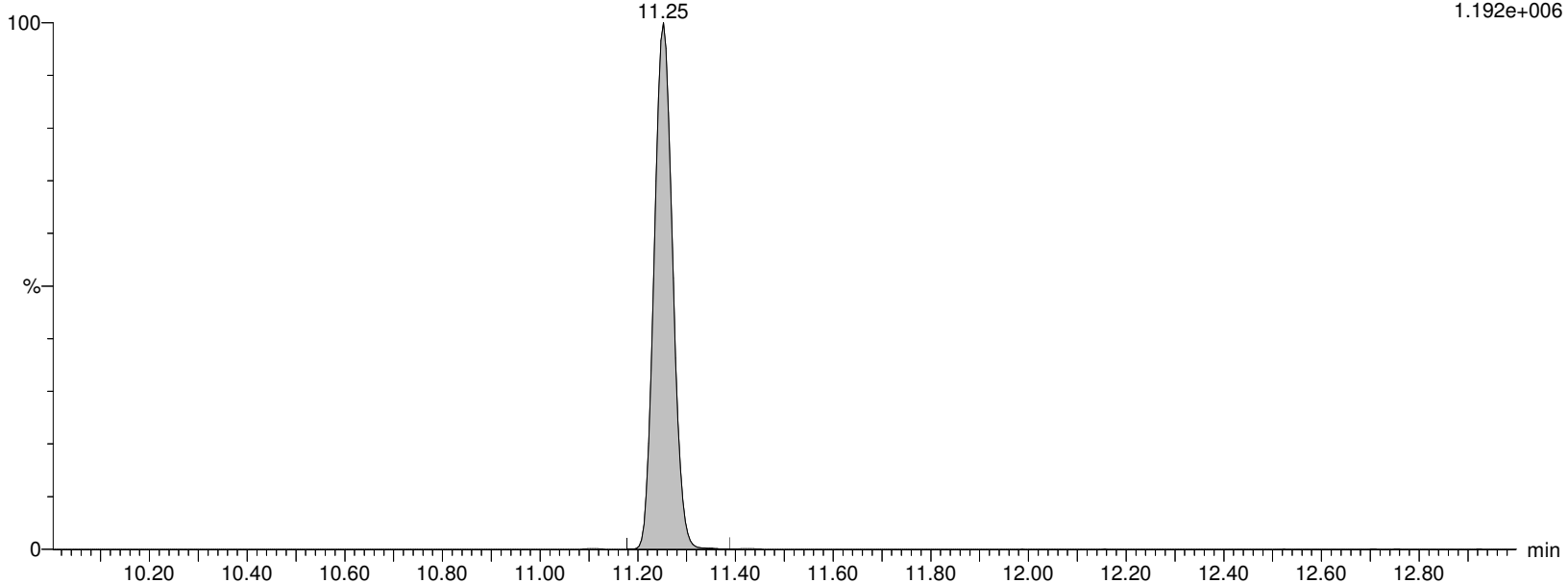
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.192e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

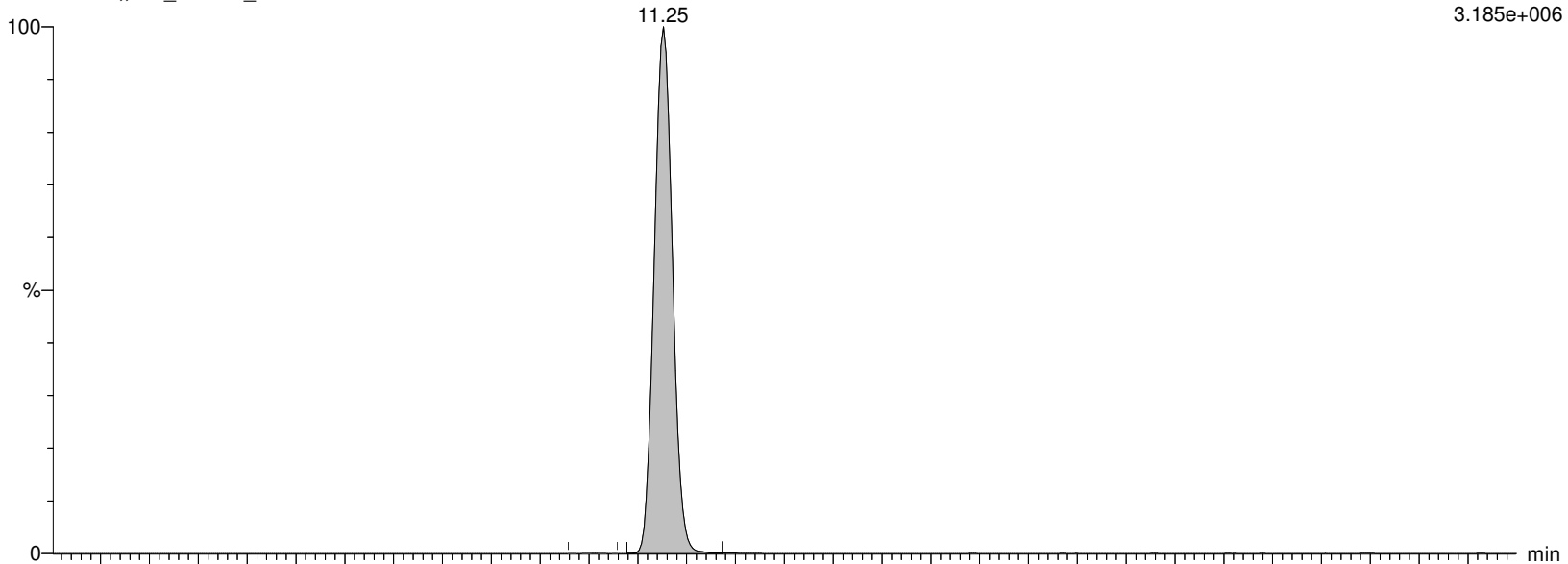
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 418.927

3.185e+006



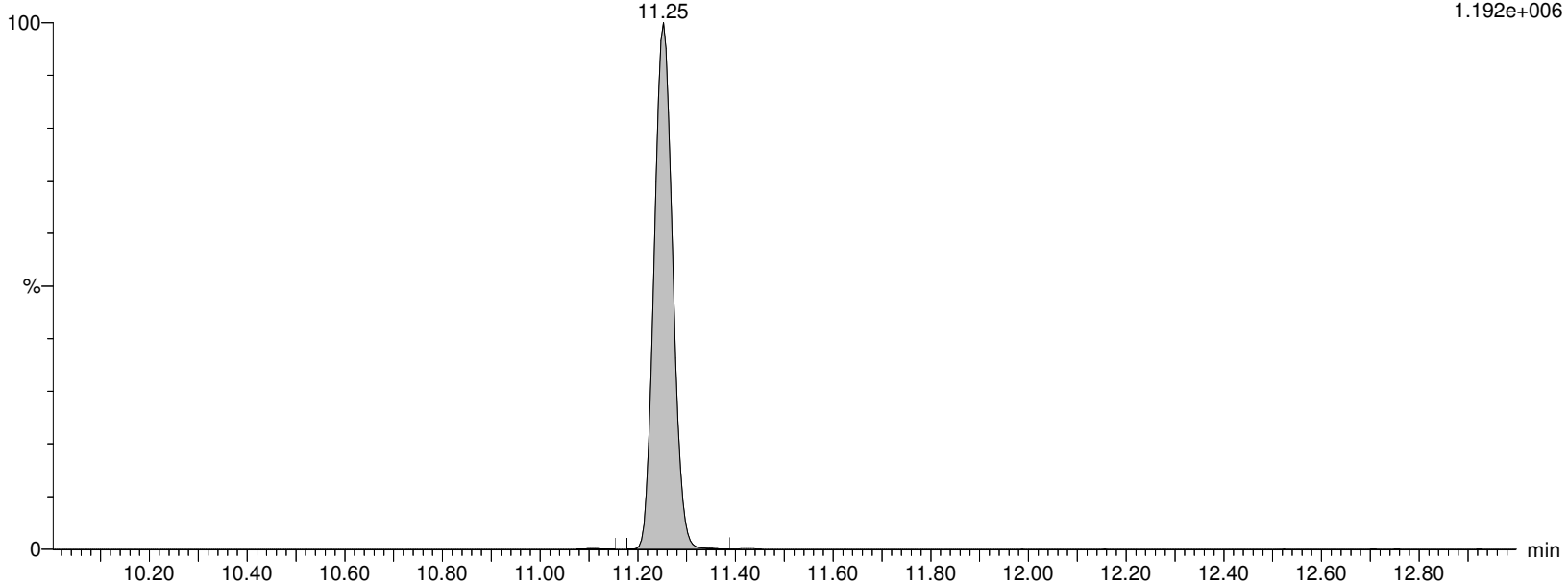
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.192e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

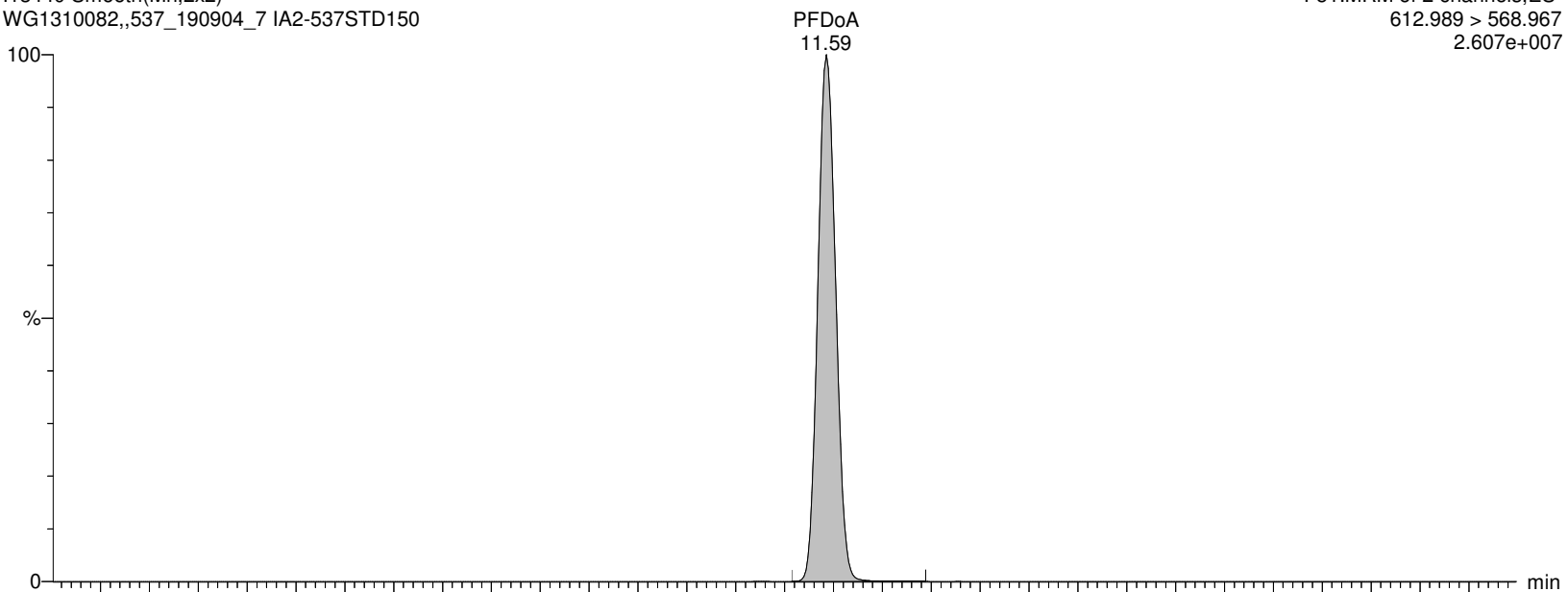
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F51:MRM of 2 channels,ES-

612.989 > 568.967

2.607e+007



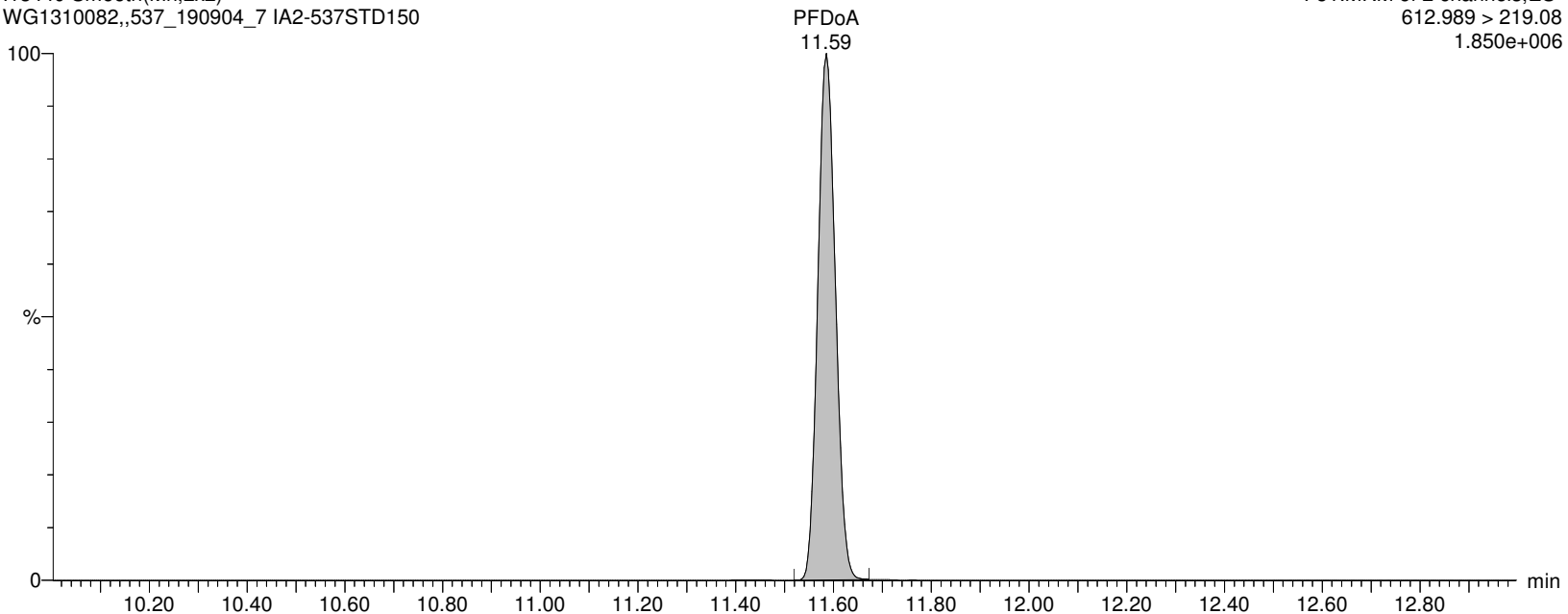
I13440 Smooth(Mn,2x2)

WG1310082,,537_190904_7 IA2-537STD150

F51:MRM of 2 channels,ES-

612.989 > 219.08

1.850e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

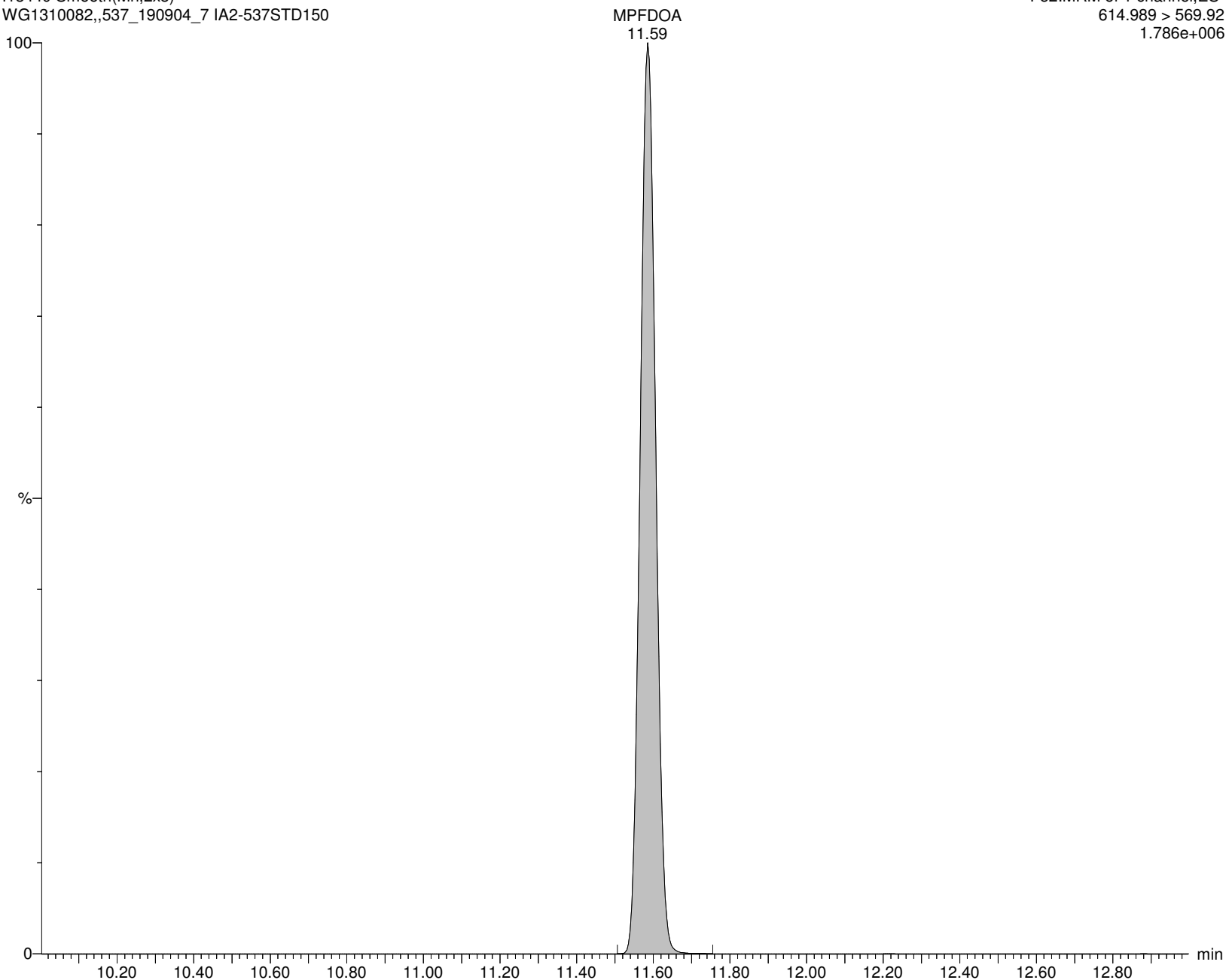
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F52:MRM of 1 channel,ES-

614.989 > 569.92

1.786e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

I13440 Smooth(Mn,2x2)

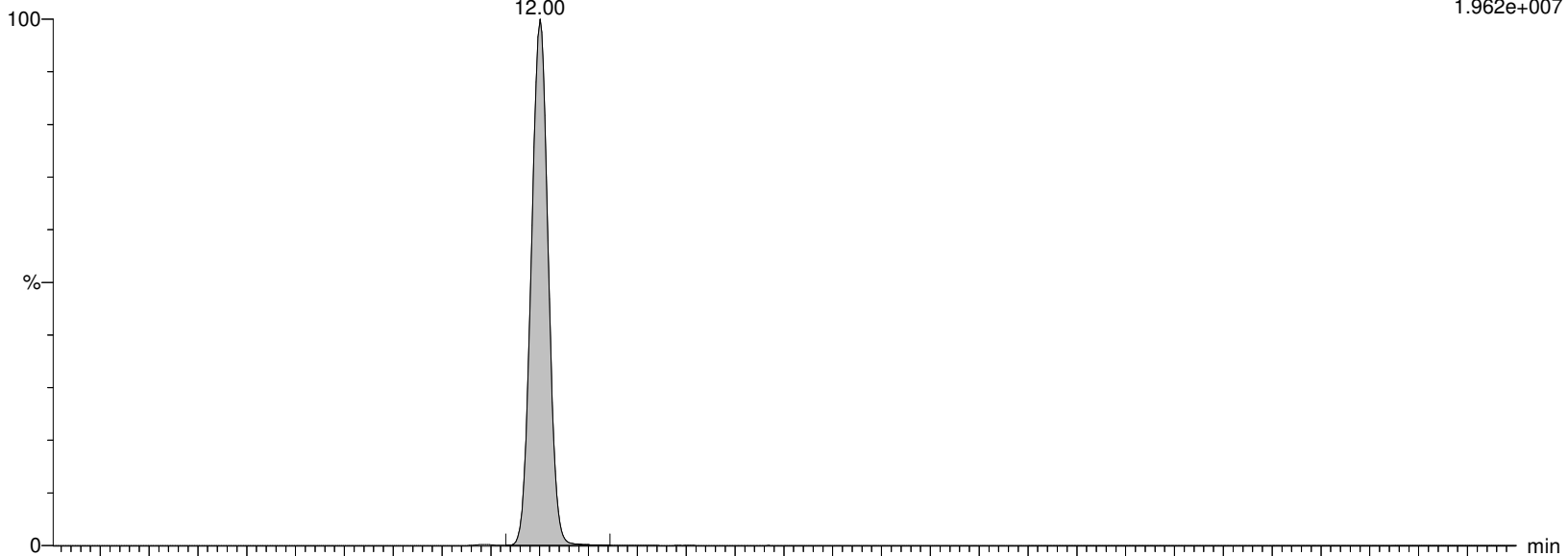
WG1310082,,537_190904_7 IA2-537STD150

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.962e+007



I13440 Smooth(Mn,2x2)

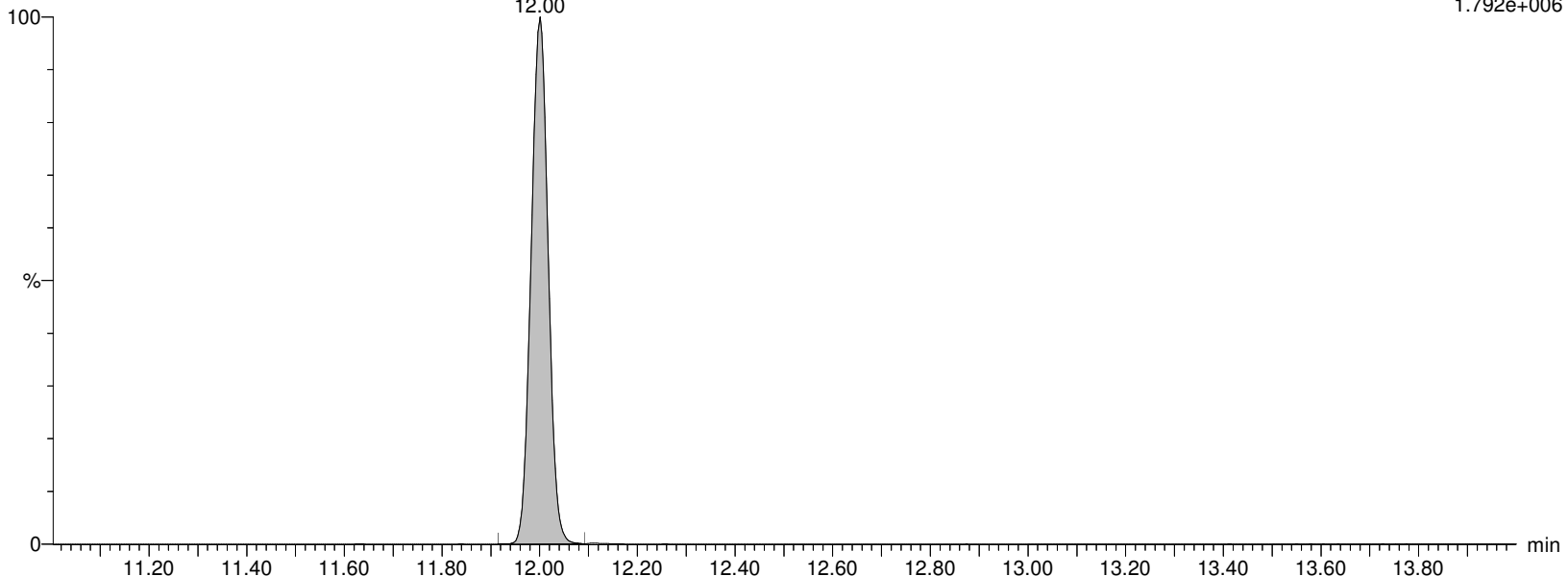
WG1310082,,537_190904_7 IA2-537STD150

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 319.02

1.792e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

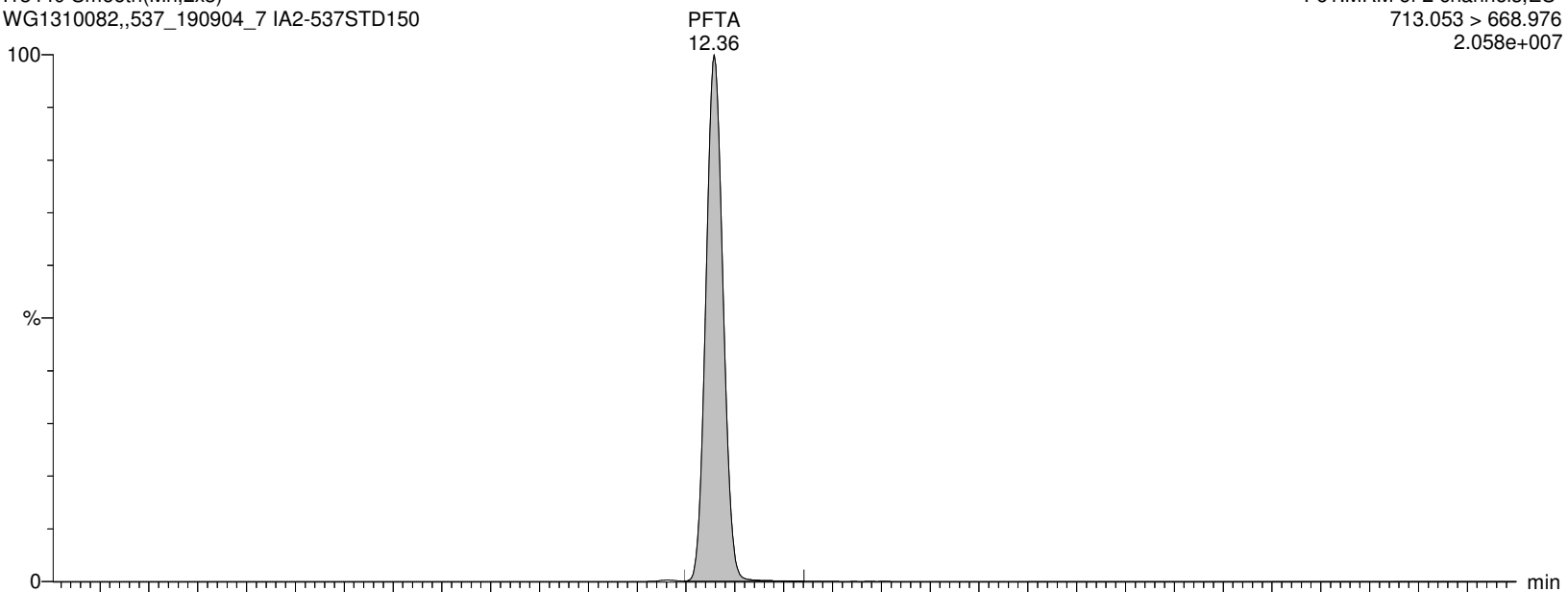
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F61:MRM of 2 channels,ES-

713.053 > 668.976

2.058e+007



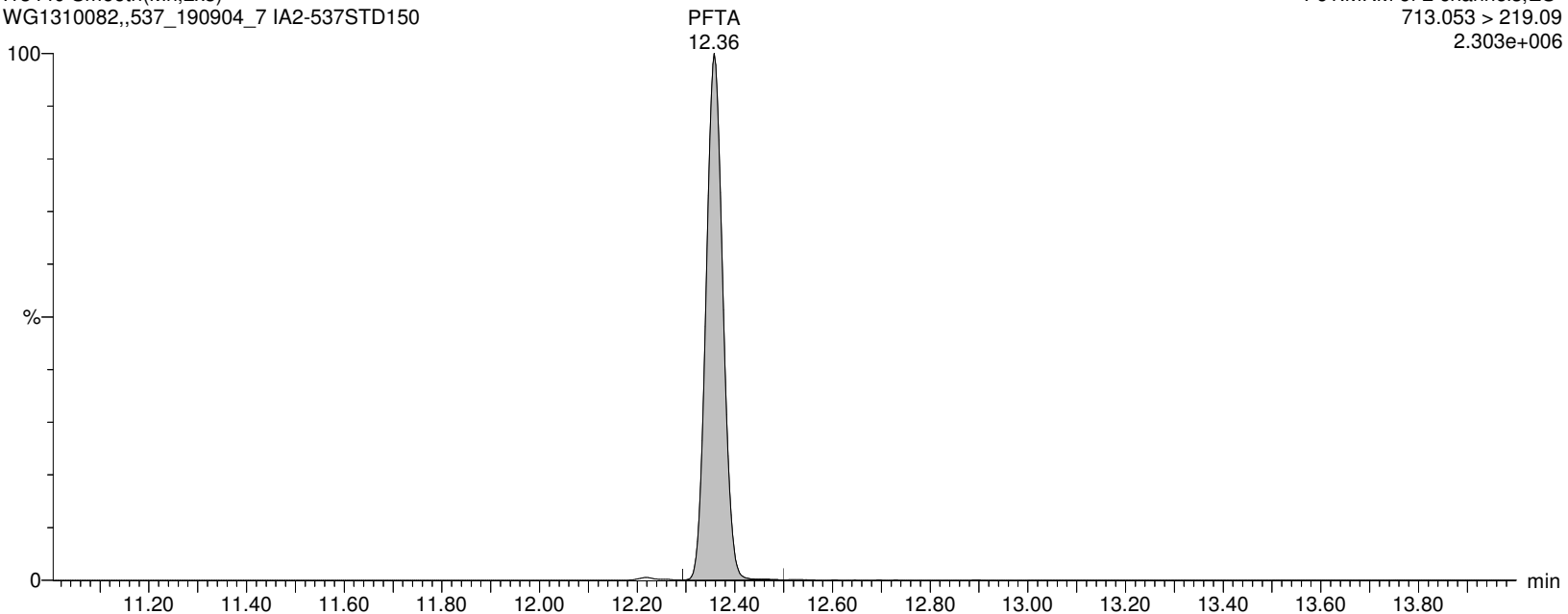
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F61:MRM of 2 channels,ES-

713.053 > 219.09

2.303e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

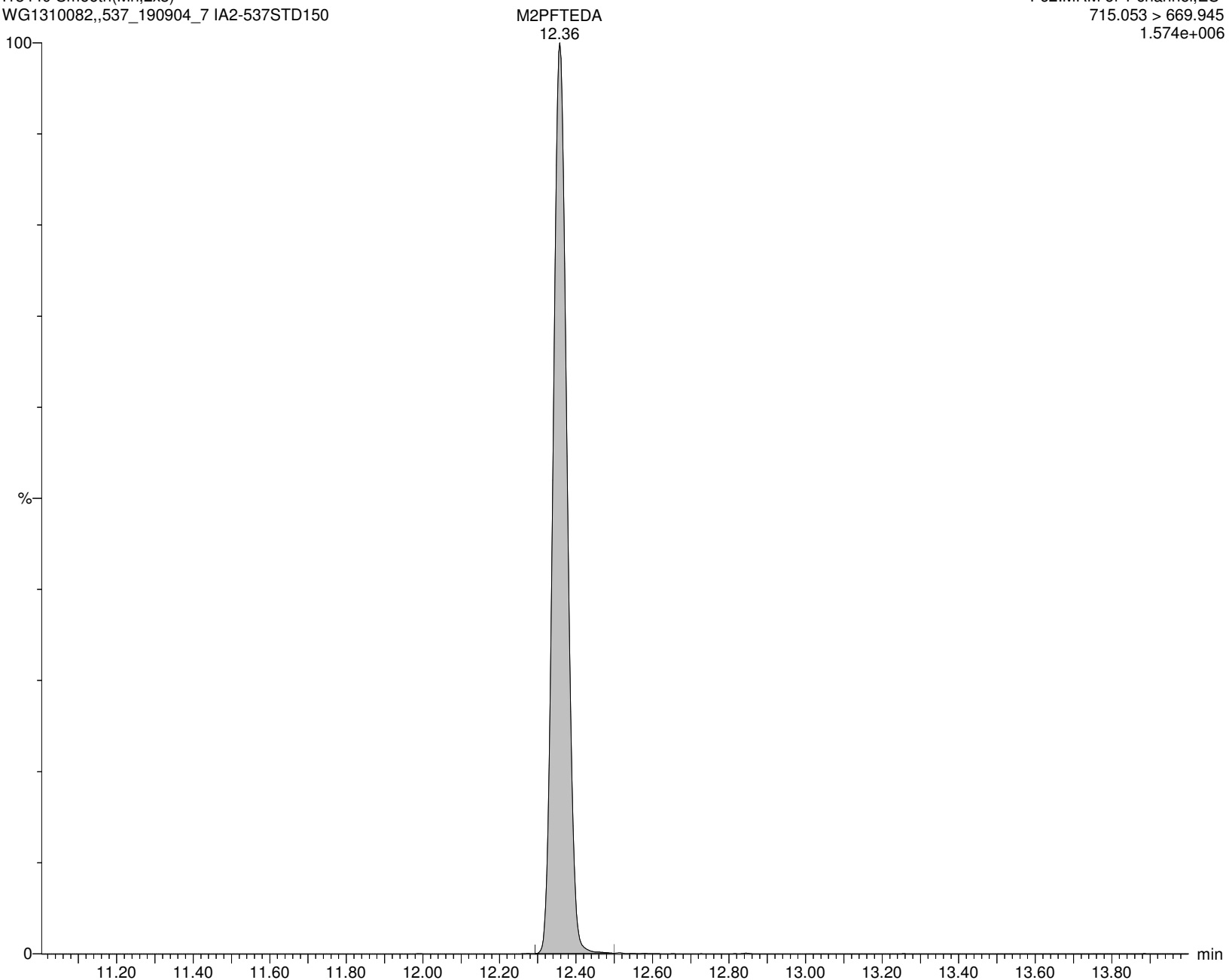
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.574e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440**ID: IA2-537STD150****Date: 18-Nov-2019****Time: 12:16:43****Description: WG1310082,,537_190904_7****User: LCMS02:JW****Vial: 1:A,8****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

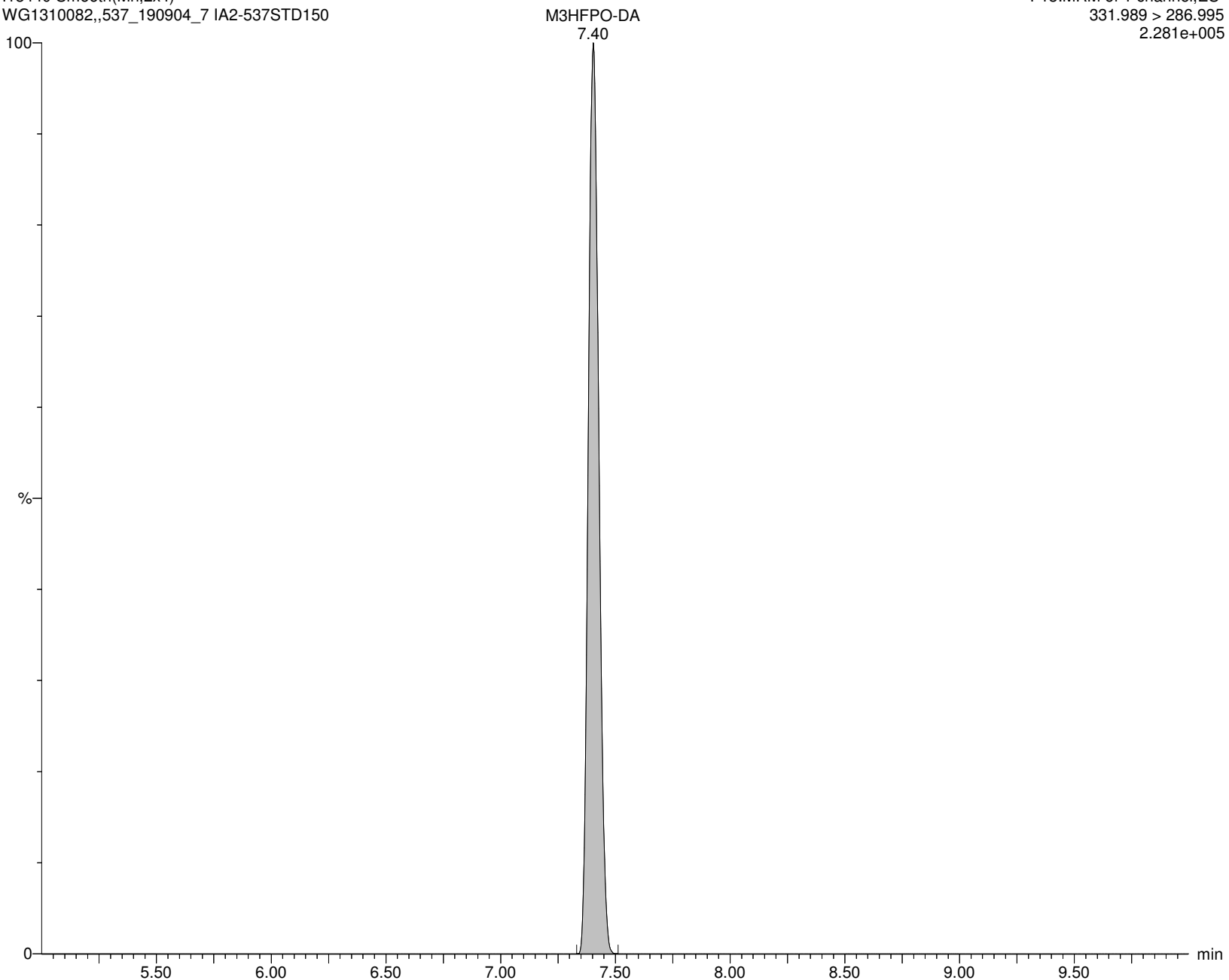
I13440 Smooth(Mn,2x4)

WG1310082,,537_190904_7 IA2-537STD150

F13:MRM of 1 channel,ES-

331.989 > 286.995

2.281e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

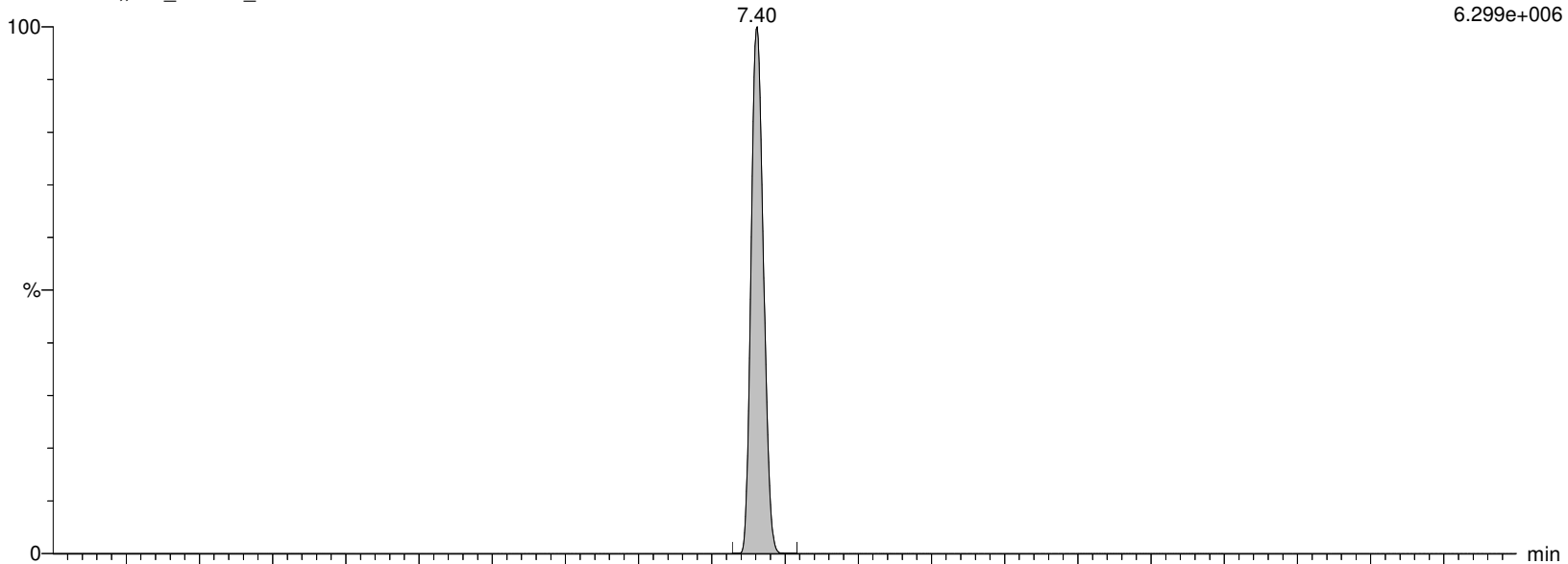
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F6:MRM of 2 channels,ES-

284.819 > 169.094

6.299e+006



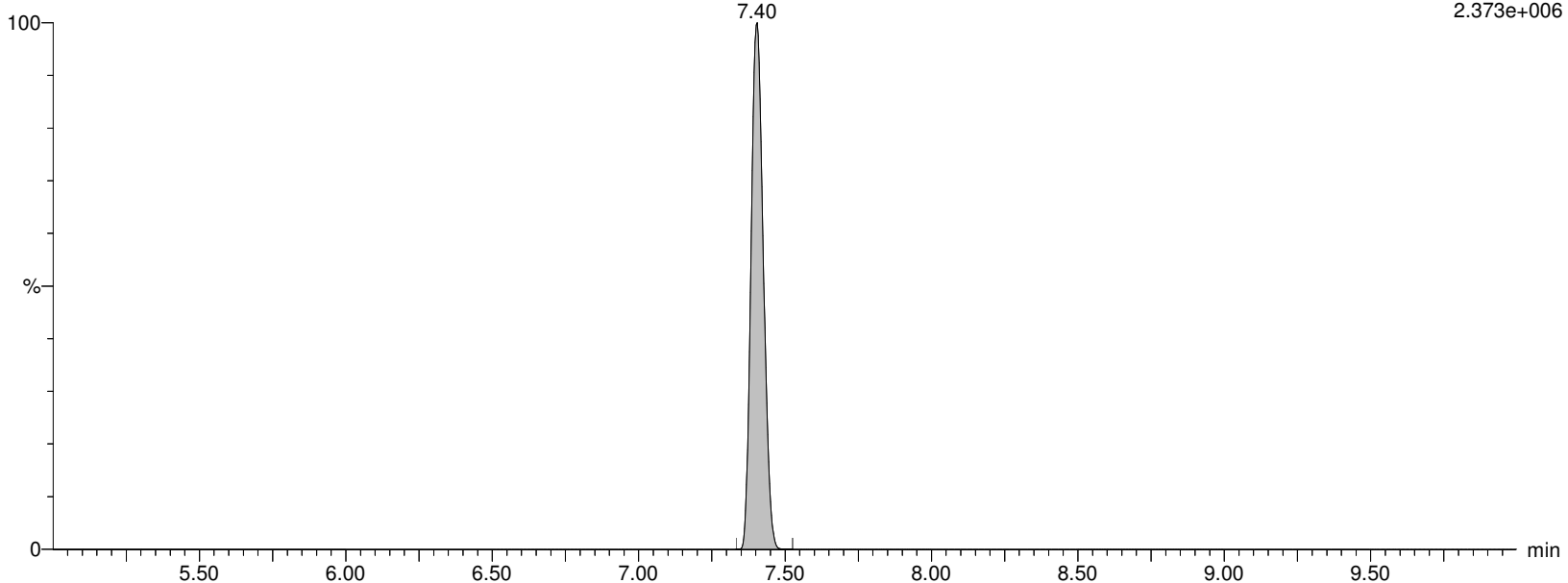
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F6:MRM of 2 channels,ES-

328.989 > 284.982

2.373e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

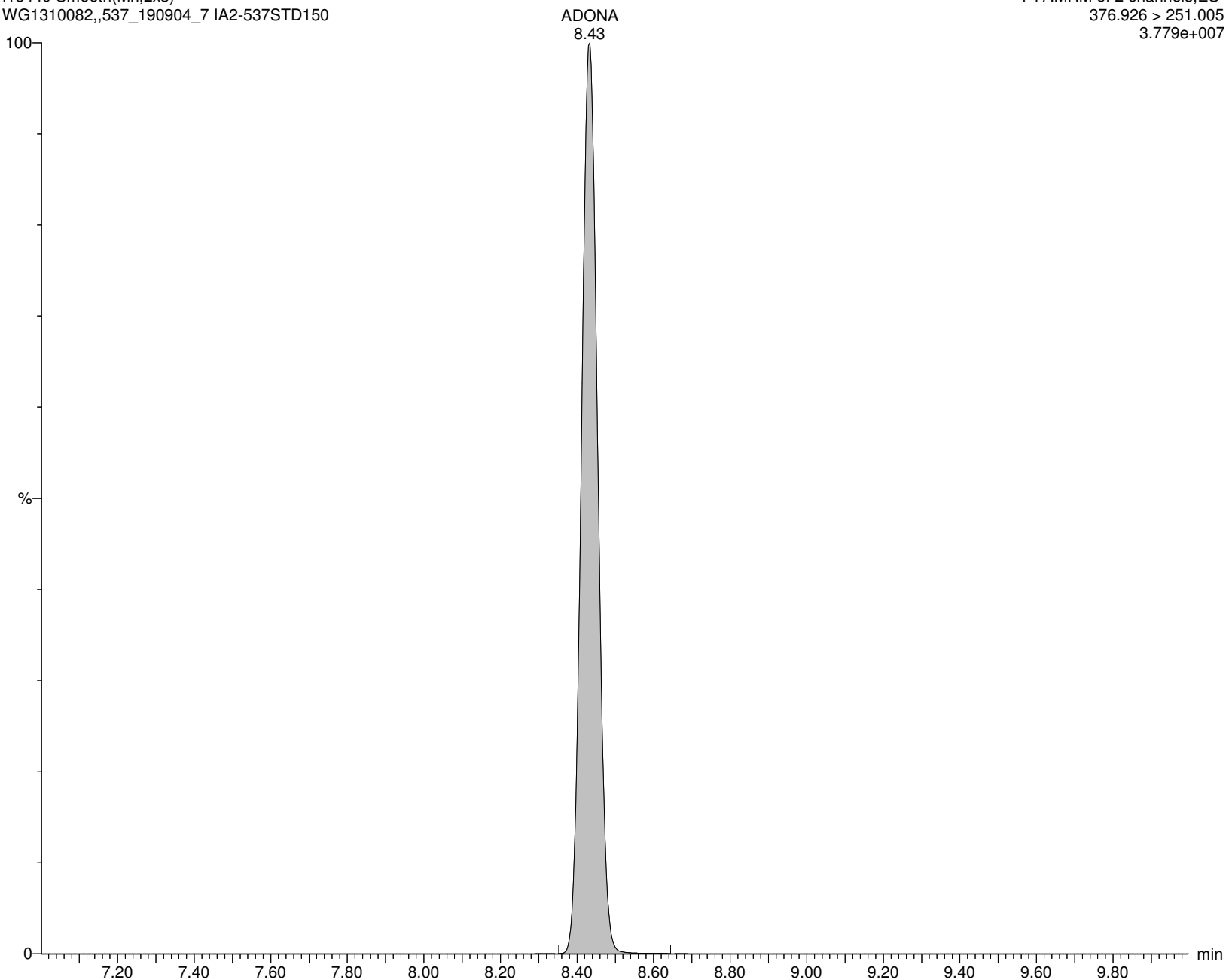
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F17:MRM of 2 channels,ES-

376.926 > 251.005

3.779e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxDA

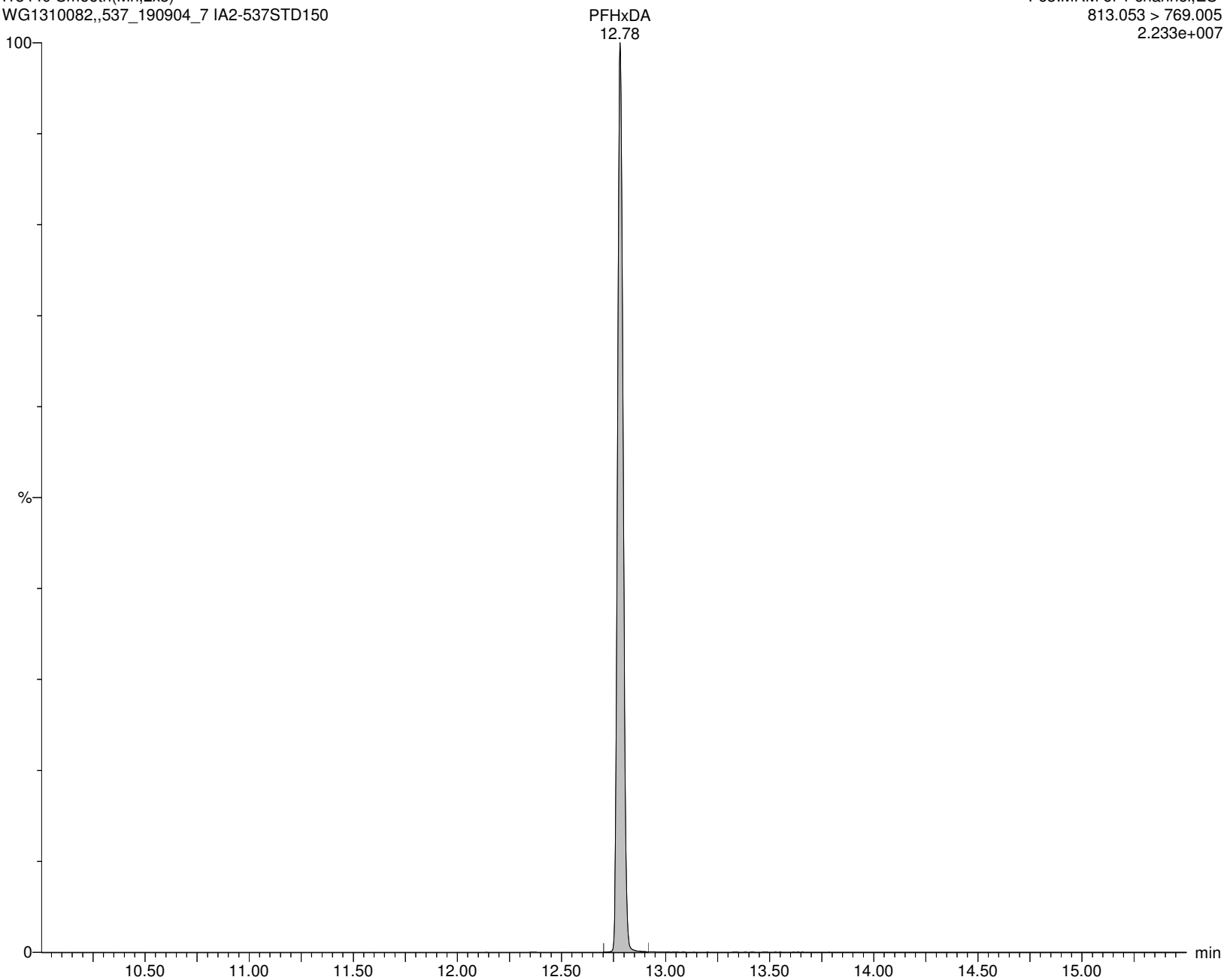
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F63:MRM of 1 channel,ES-

813.053 > 769.005

2.233e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

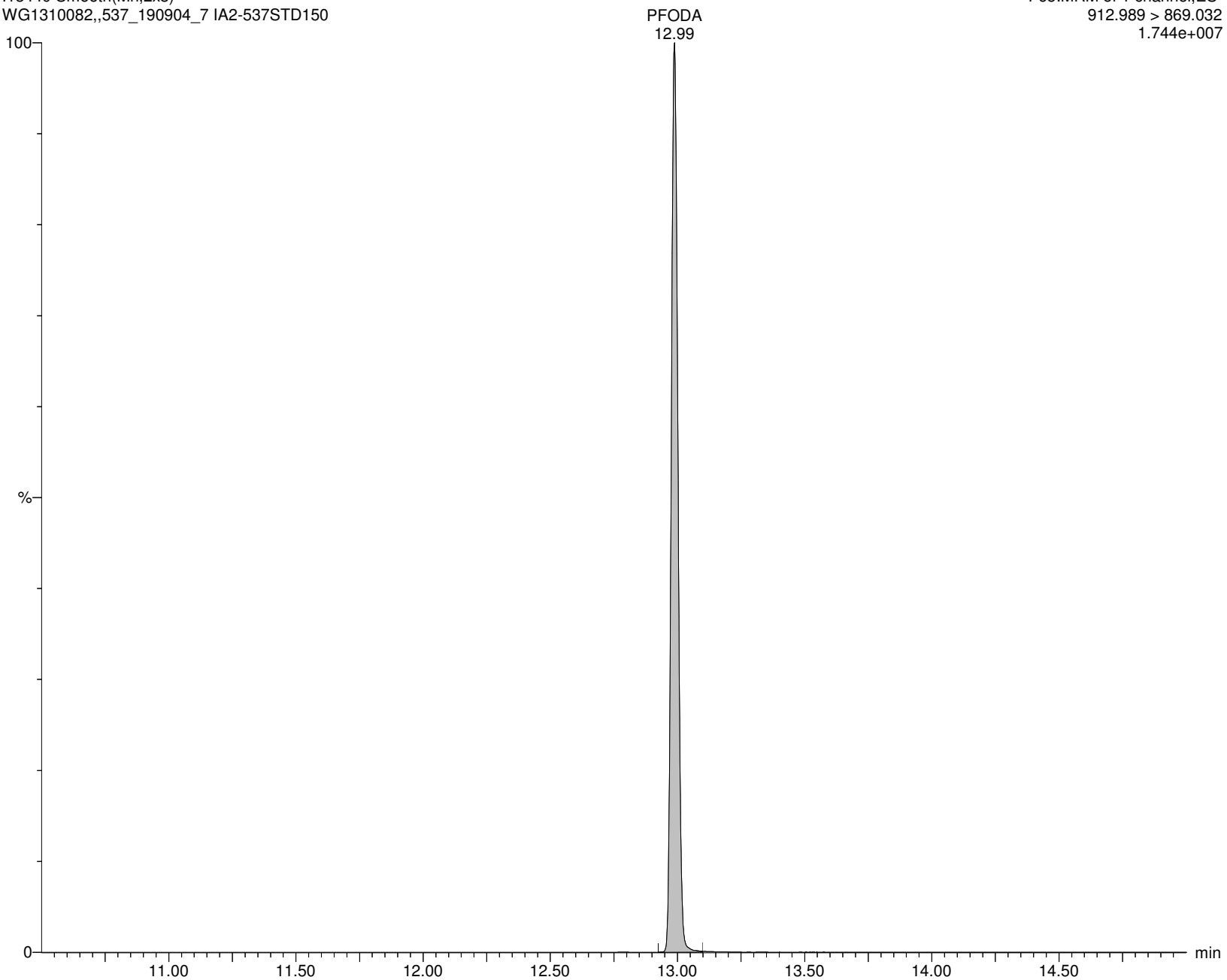
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.744e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440**ID: IA2-537STD150****Date: 18-Nov-2019****Time: 12:16:43****Description: WG1310082,,537_190904_7****User: LCMS02:JW****Vial: 1:A,8****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

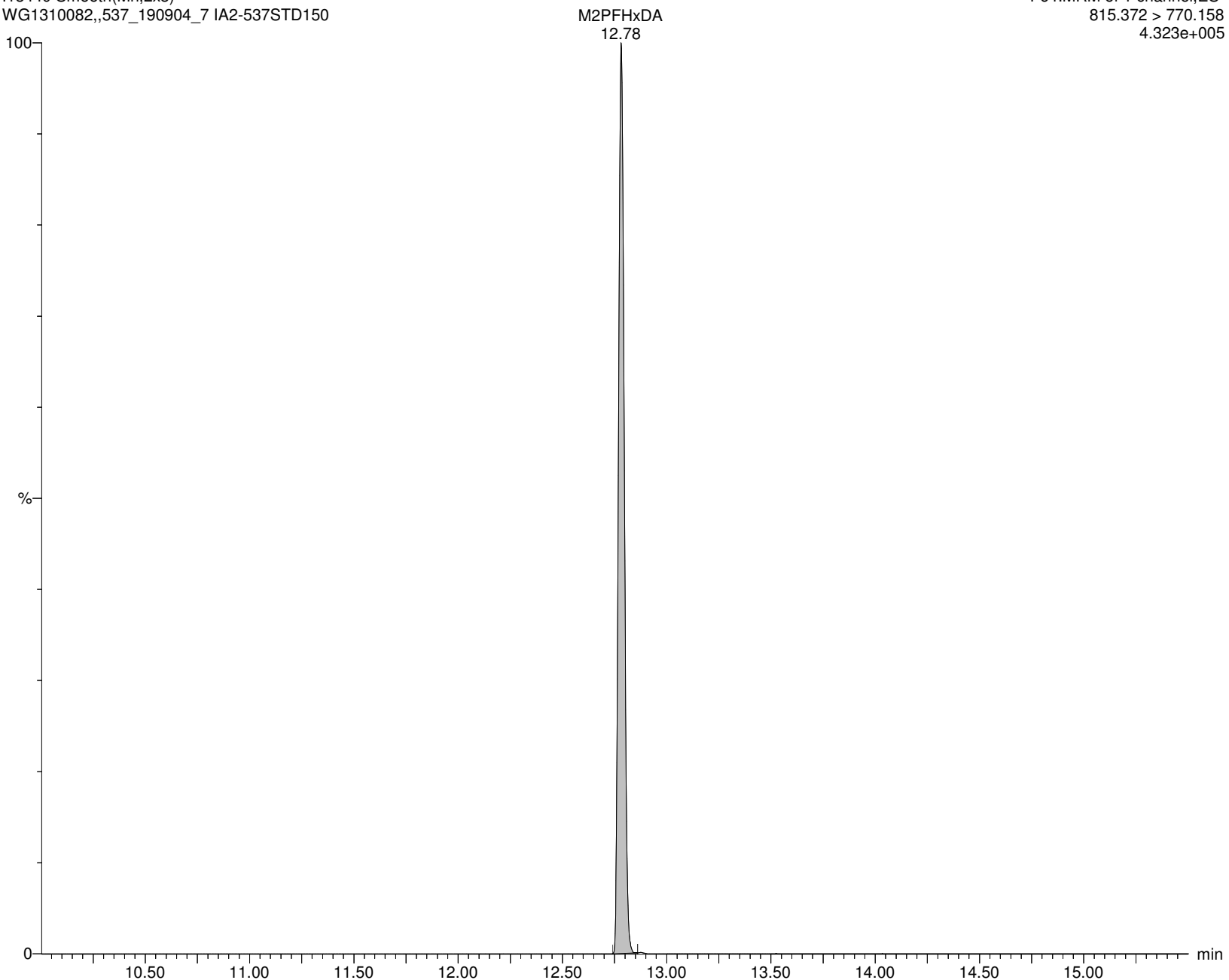
I13440 Smooth(Mn,2x3)

WG1310082,,537_190904_7 IA2-537STD150

F64:MRM of 1 channel,ES-

815.372 > 770.158

4.323e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

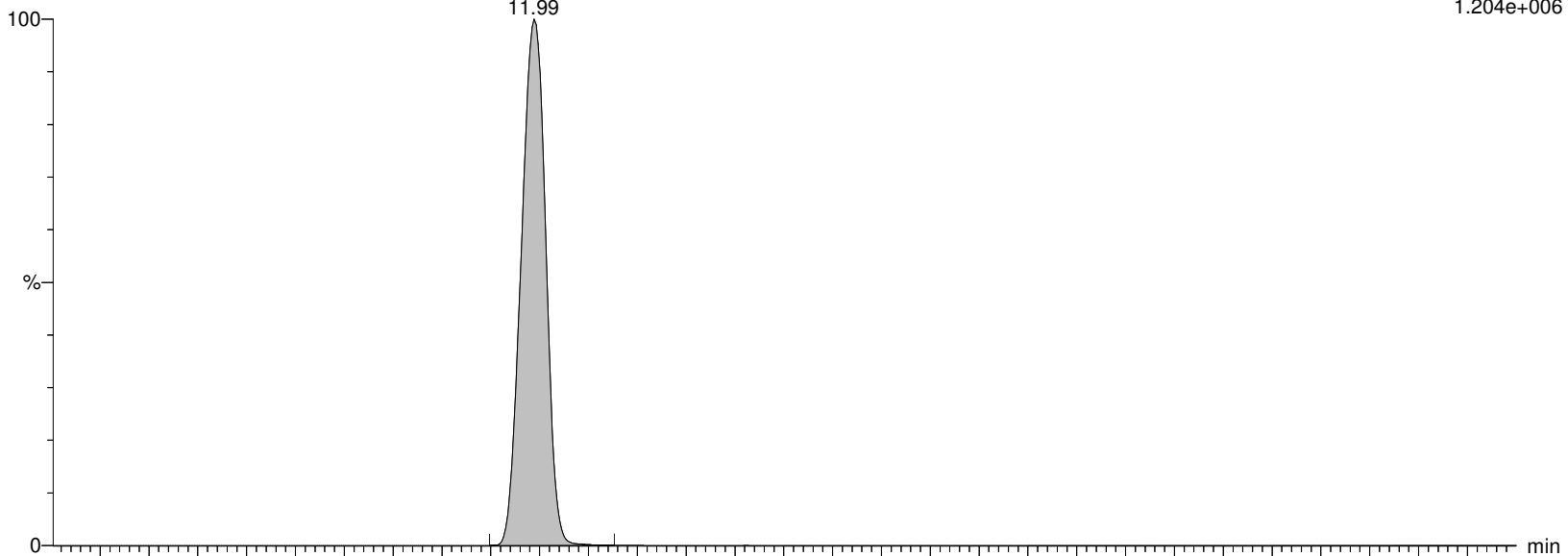
PFDoS

11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.204e+006



I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

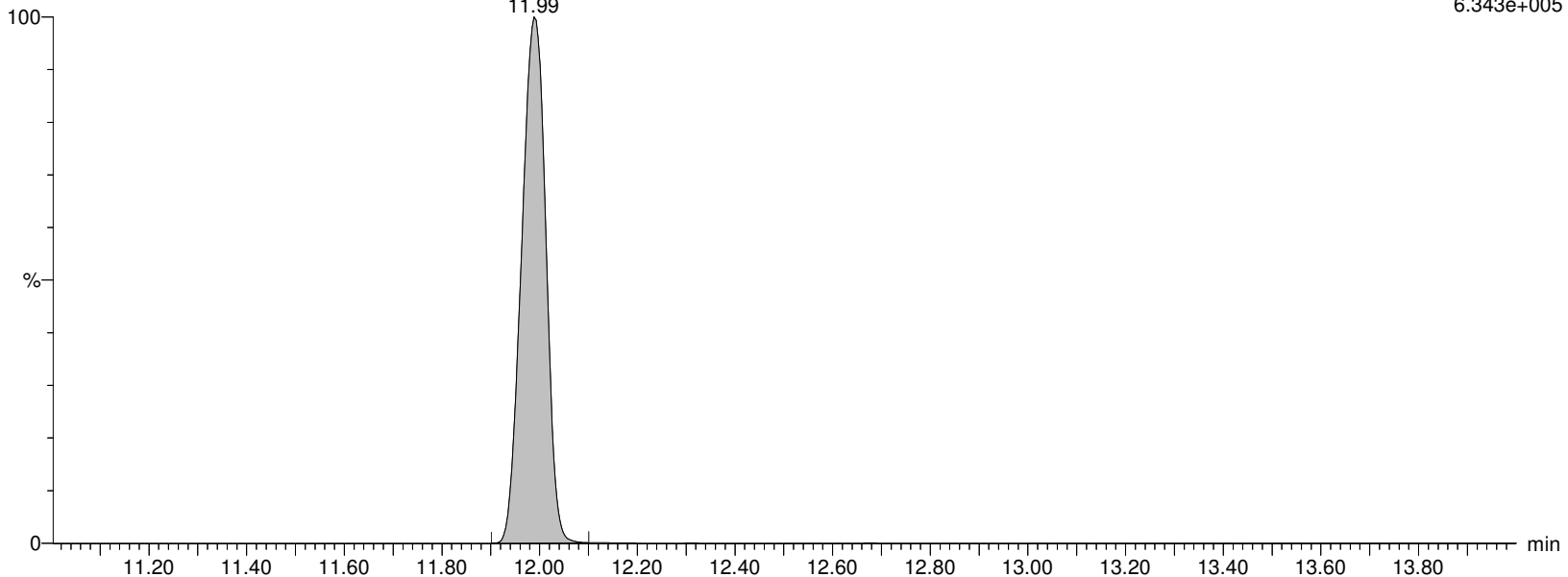
PFDoS

11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

6.343e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440**ID: IA2-537STD150****Date: 18-Nov-2019****Time: 12:16:43****Description: WG1310082,,537_190904_7****User: LCMS02:JW****Vial: 1:A,8****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

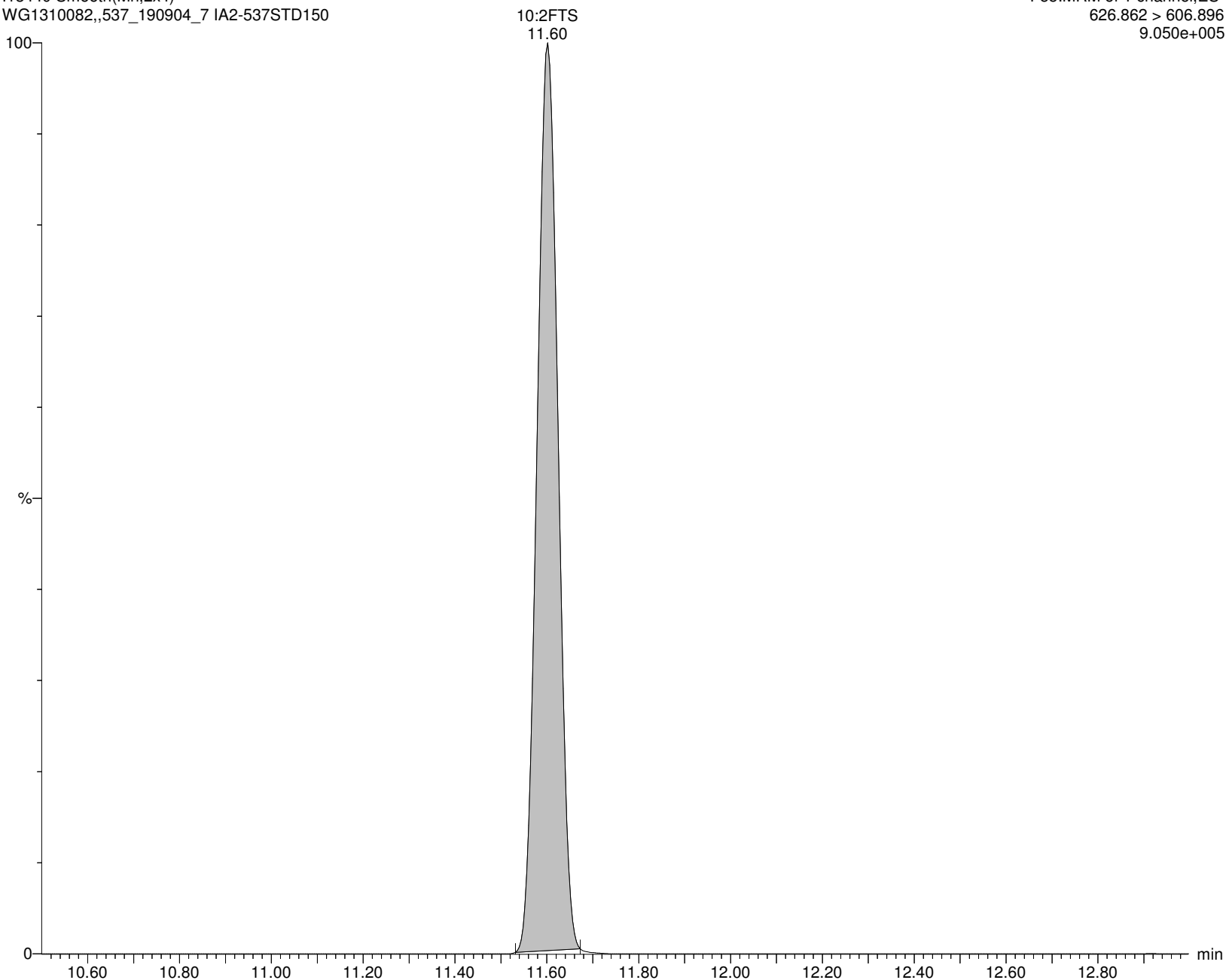
I13440 Smooth(Mn,2x4)

WG1310082,,537_190904_7 IA2-537STD150

F55:MRM of 1 channel,ES-

626.862 > 606.896

9.050e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

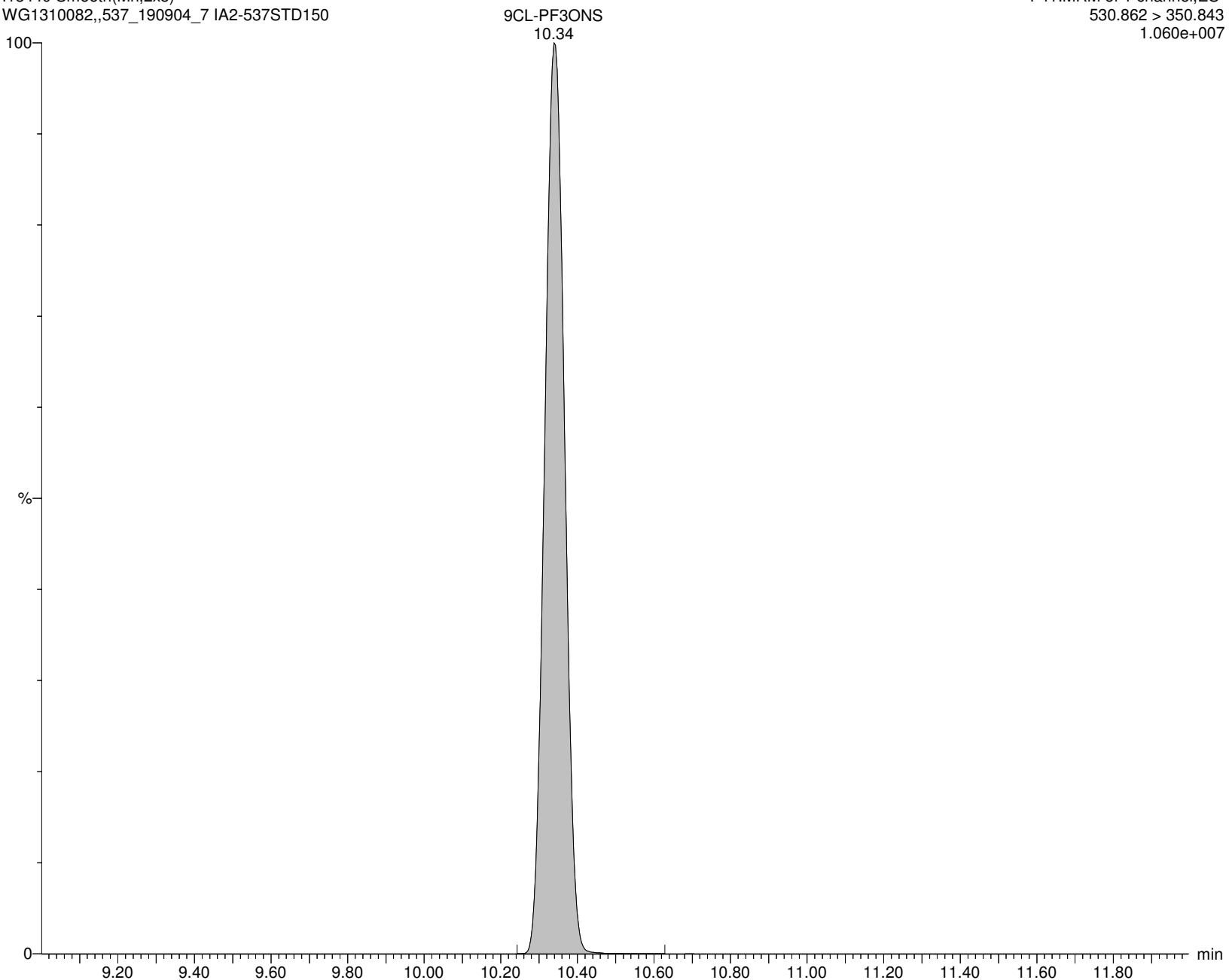
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F41:MRM of 1 channel,ES-

530.862 > 350.843

1.060e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

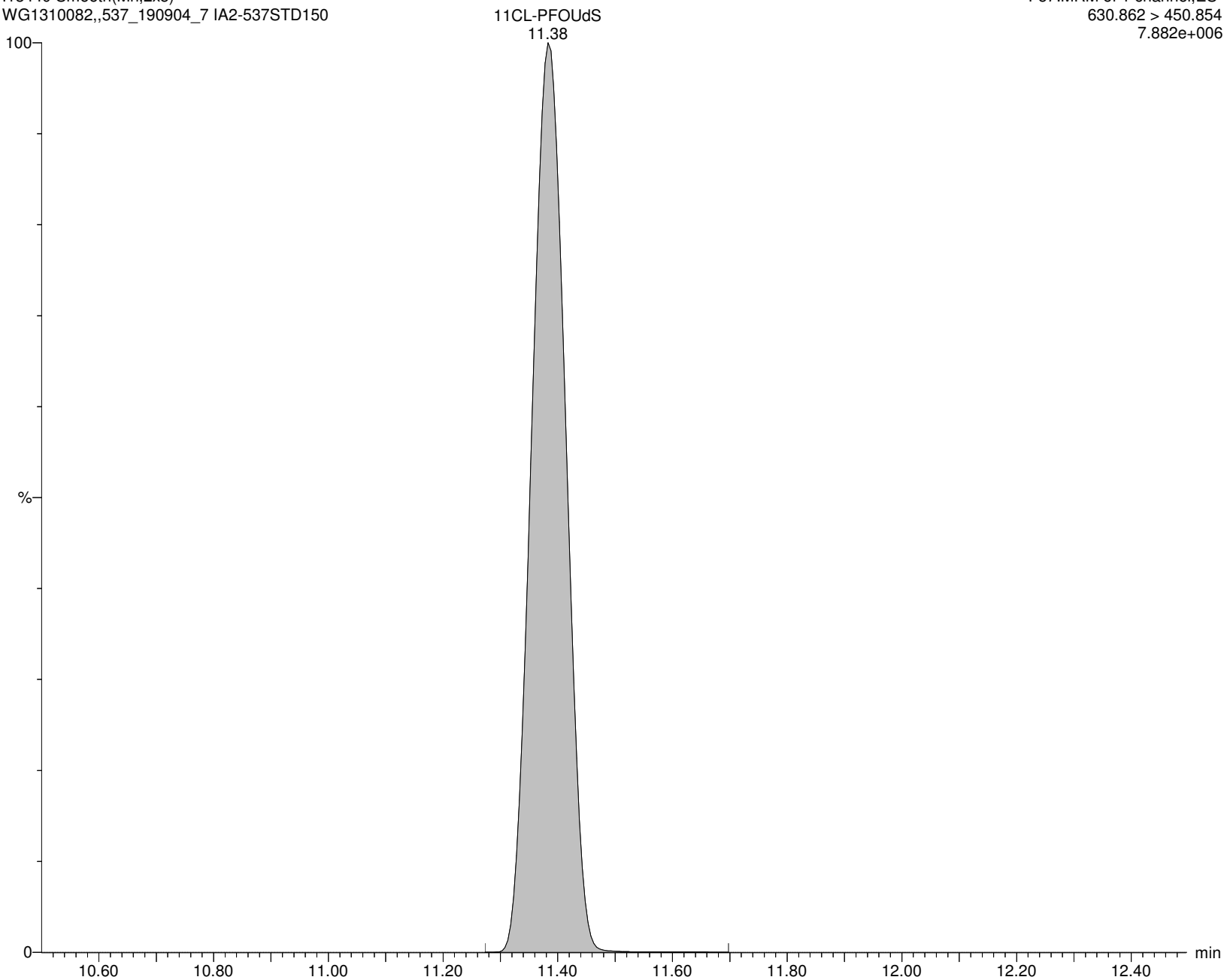
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F57:MRM of 1 channel,ES-

630.862 > 450.854

7.882e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

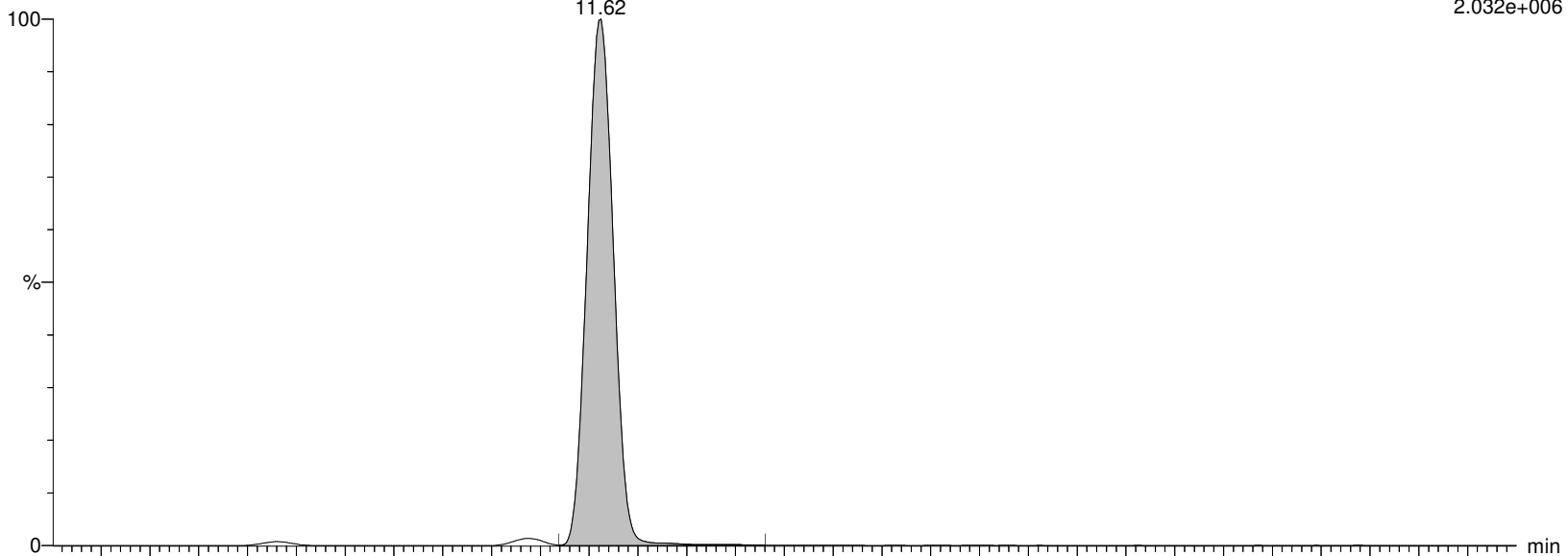
NMeFOSA

11.62

F33:MRM of 2 channels,ES-

511.804 > 168.906

2.032e+006



I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

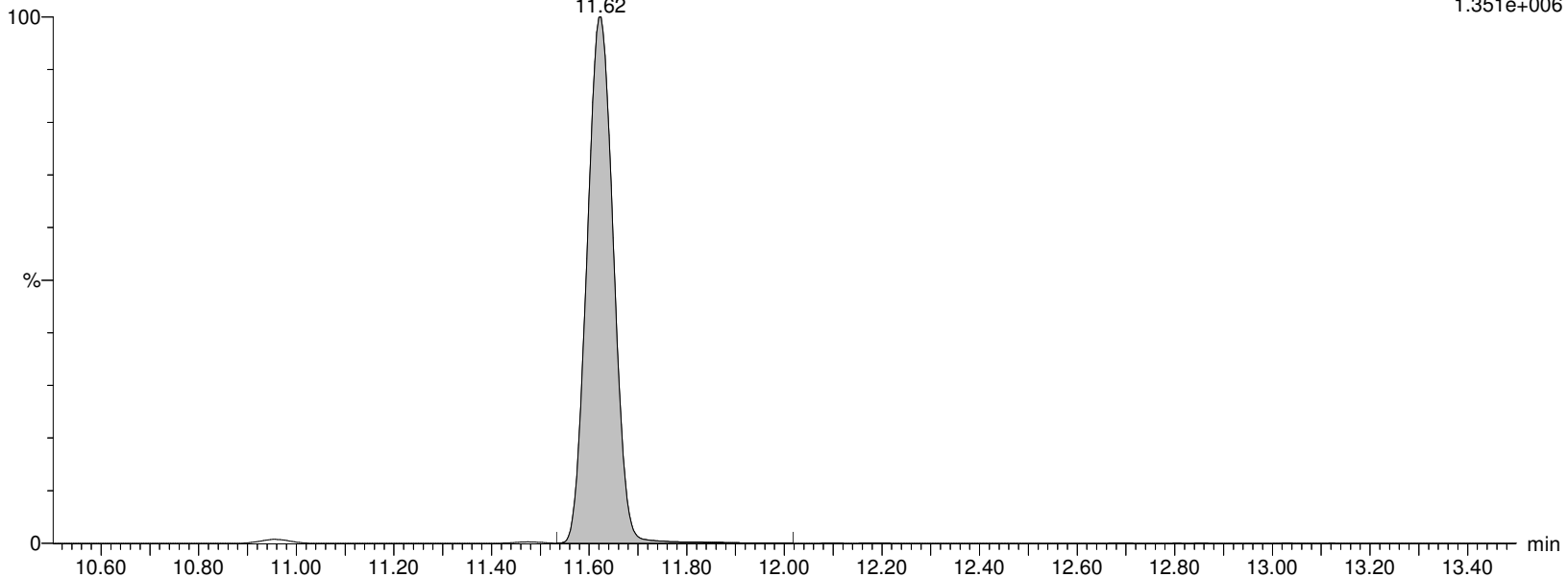
NMeFOSA

11.62

F33:MRM of 2 channels,ES-

511.804 > 218.918

1.351e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

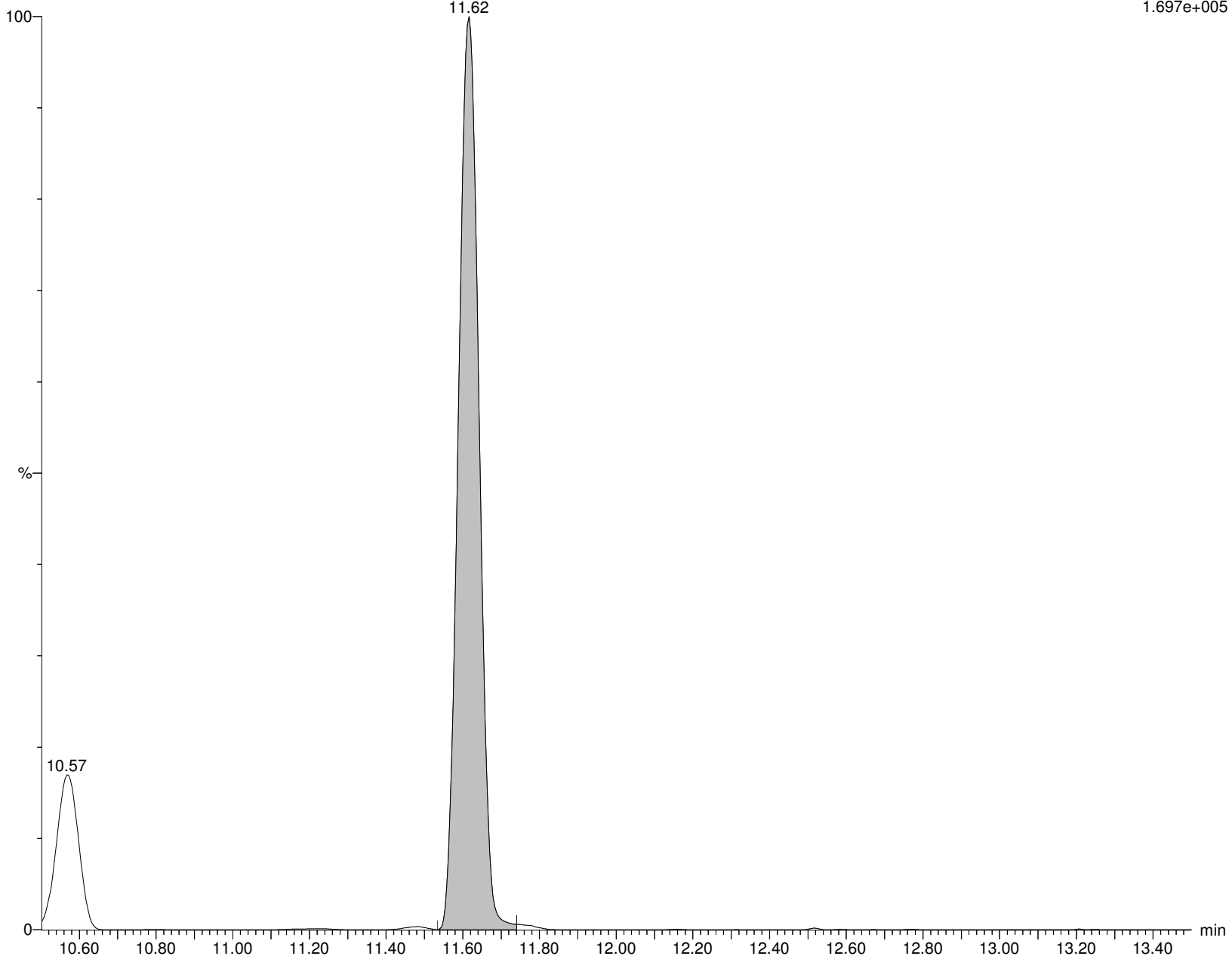
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.697e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

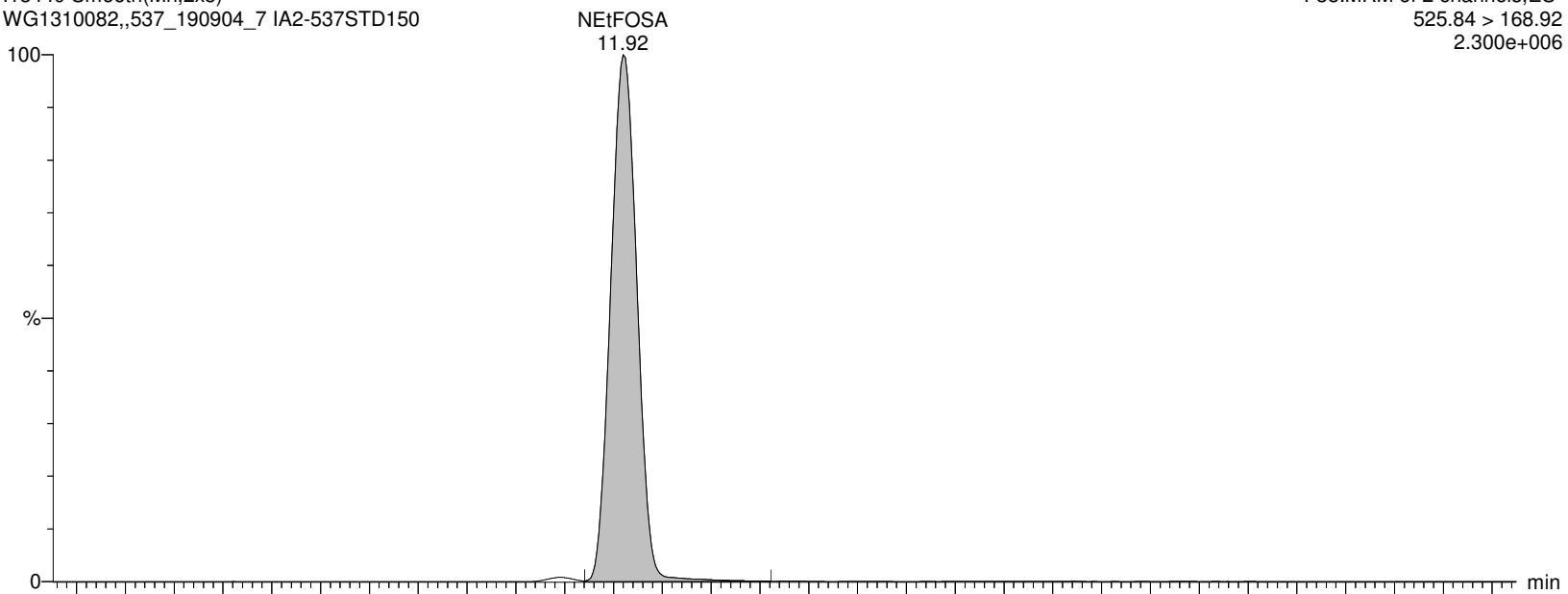
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F38:MRM of 2 channels,ES-

525.84 > 168.92

2.300e+006



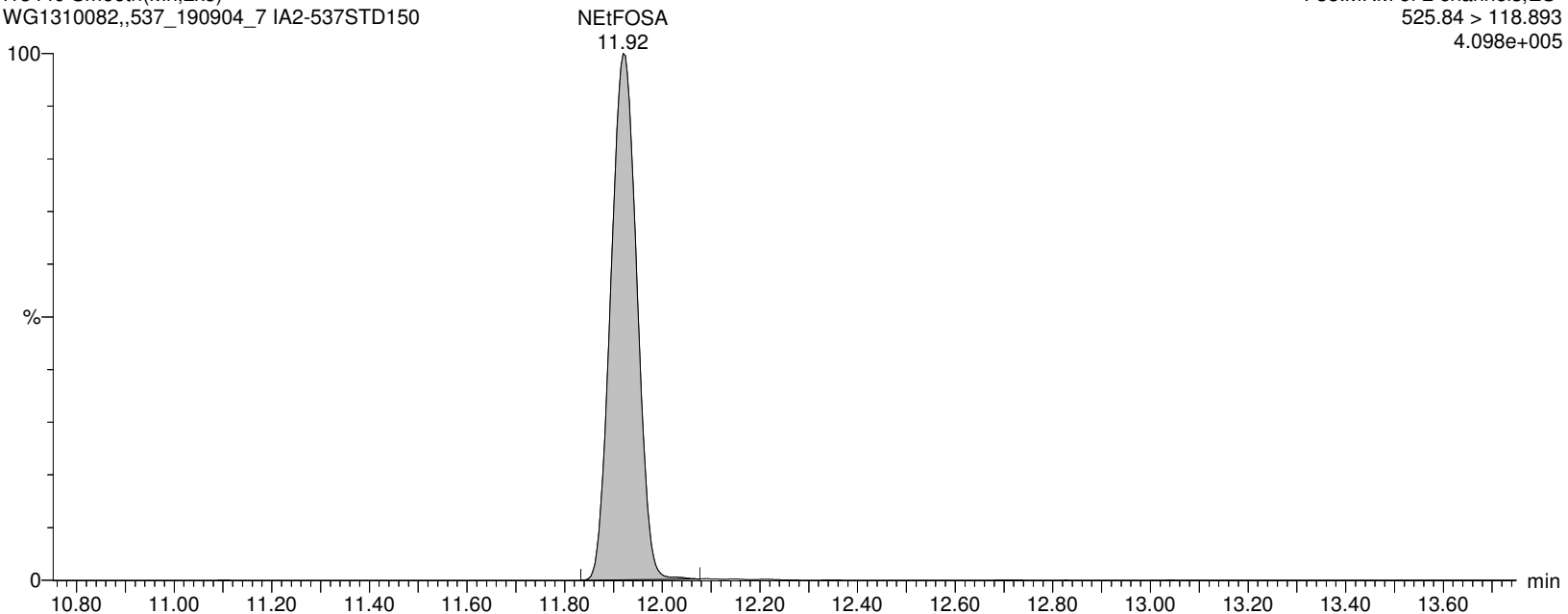
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F38:MRM of 2 channels,ES-

525.84 > 118.893

4.098e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSA

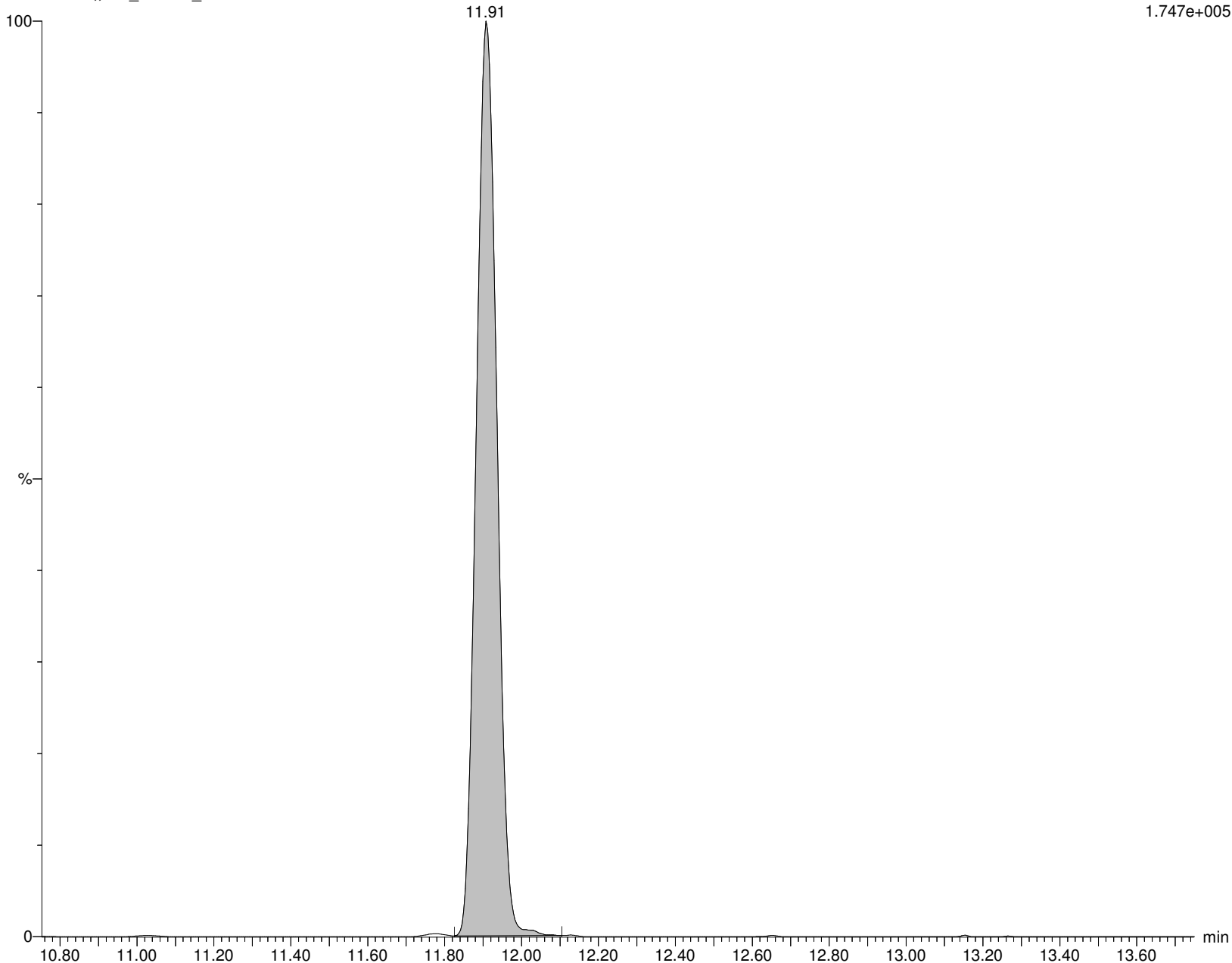
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.747e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

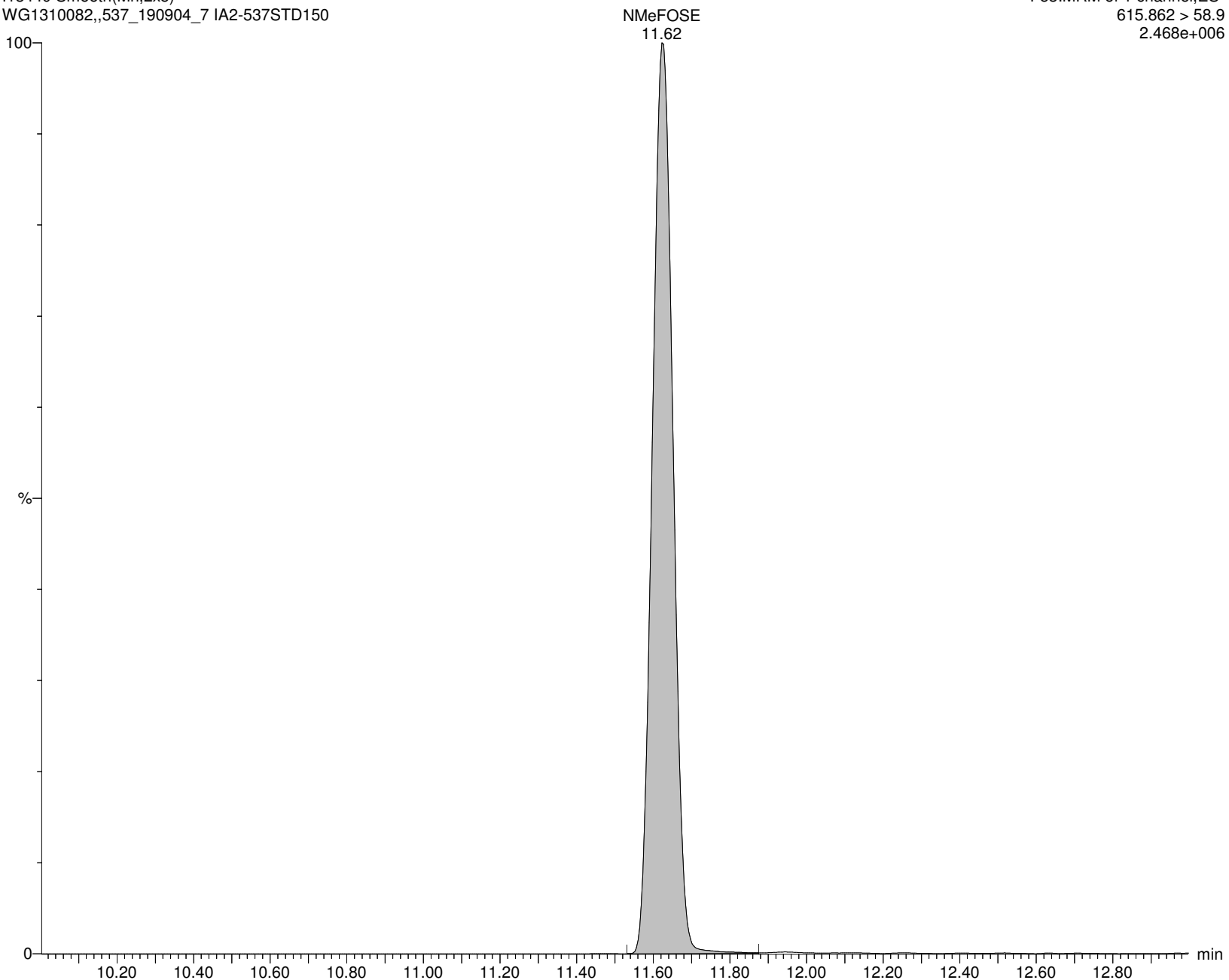
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F53:MRM of 1 channel,ES-

615.862 > 58.9

2.468e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

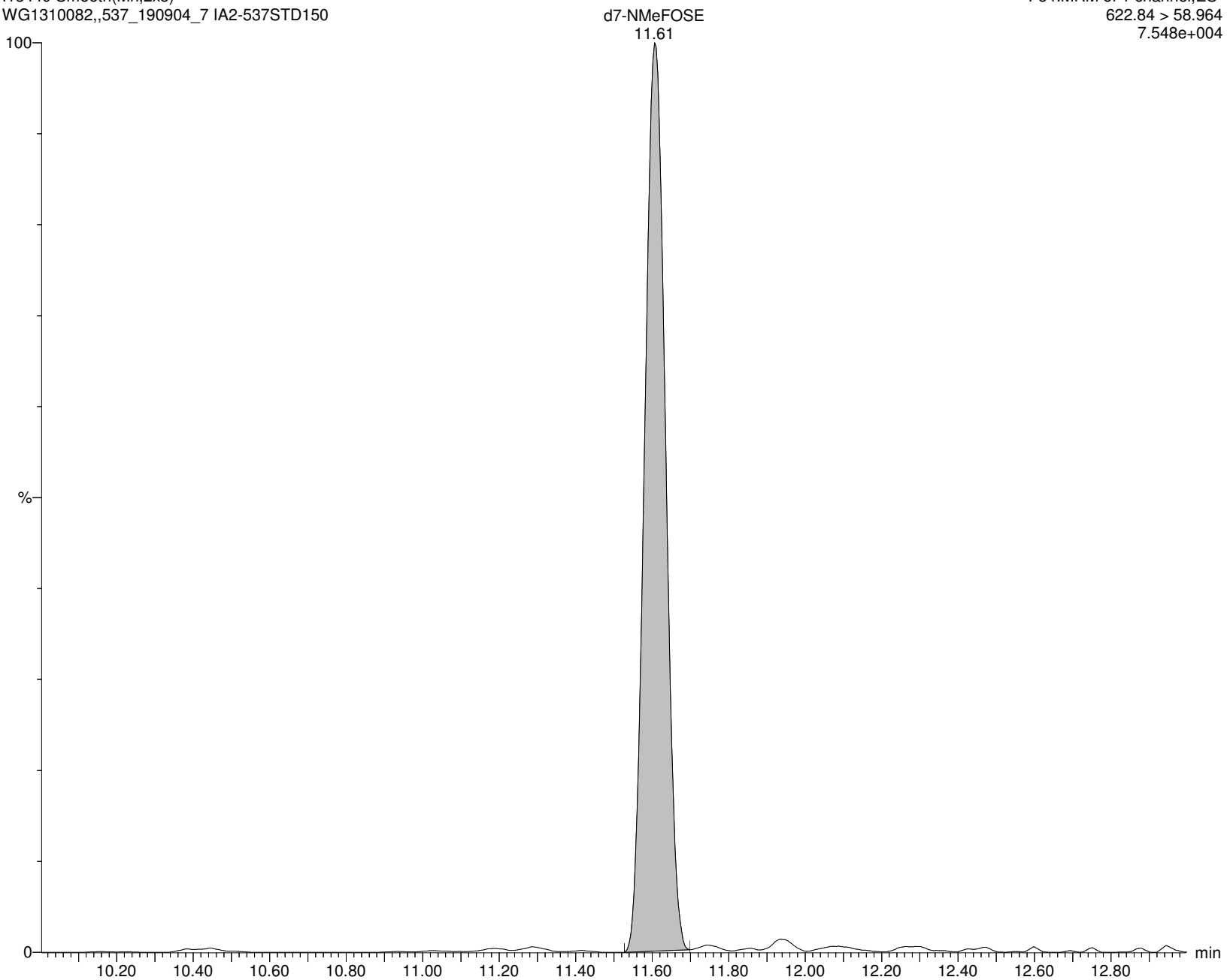
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F54:MRM of 1 channel,ES-

622.84 > 58.964

7.548e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSE

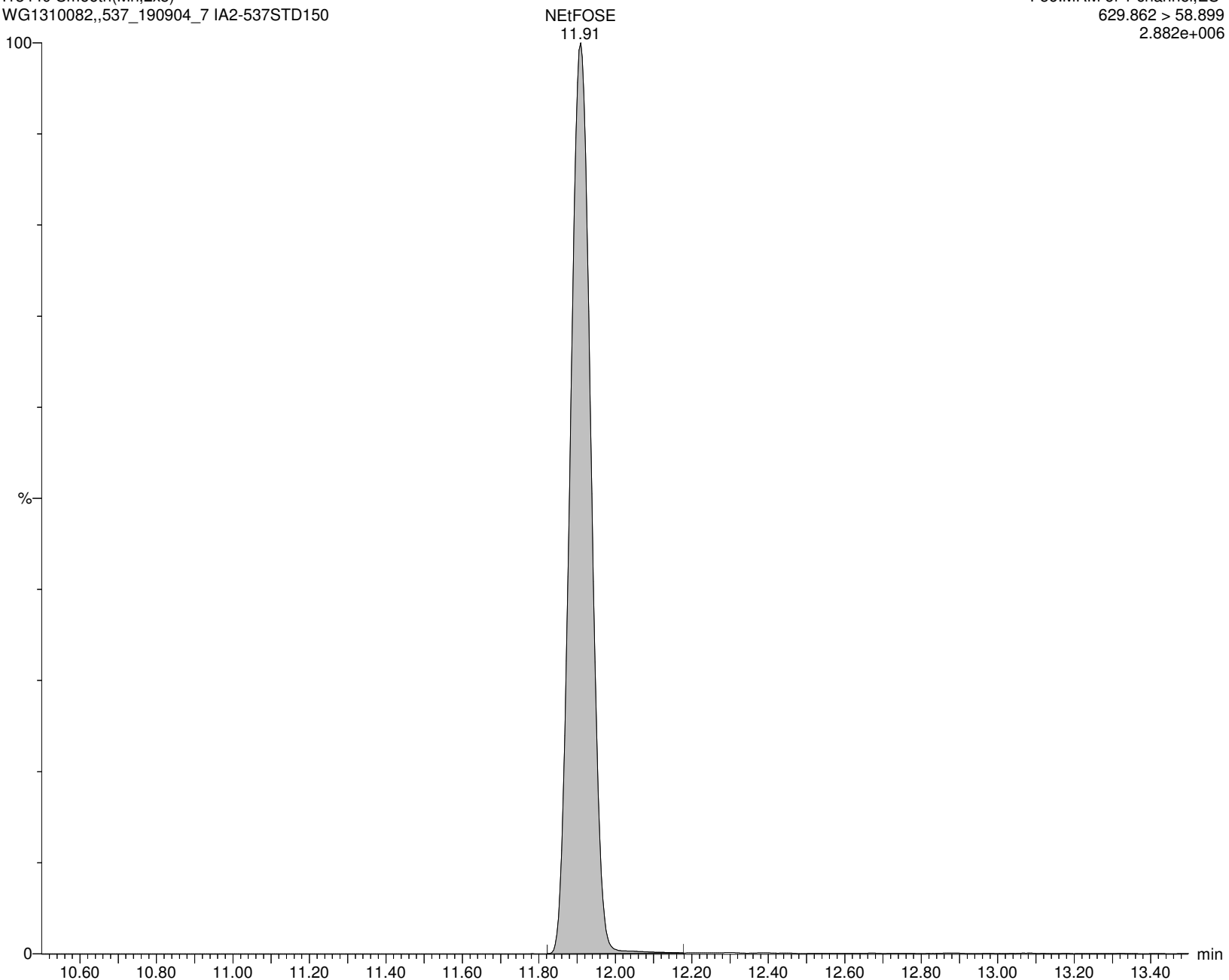
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F56:MRM of 1 channel,ES-

629.862 > 58.899

2.882e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:00 Eastern Standard Time

Name: I13440

ID: IA2-537STD150

Date: 18-Nov-2019

Time: 12:16:43

Description: WG1310082,,537_190904_7

User: LCMS02:JW

Vial: 1:A,8

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

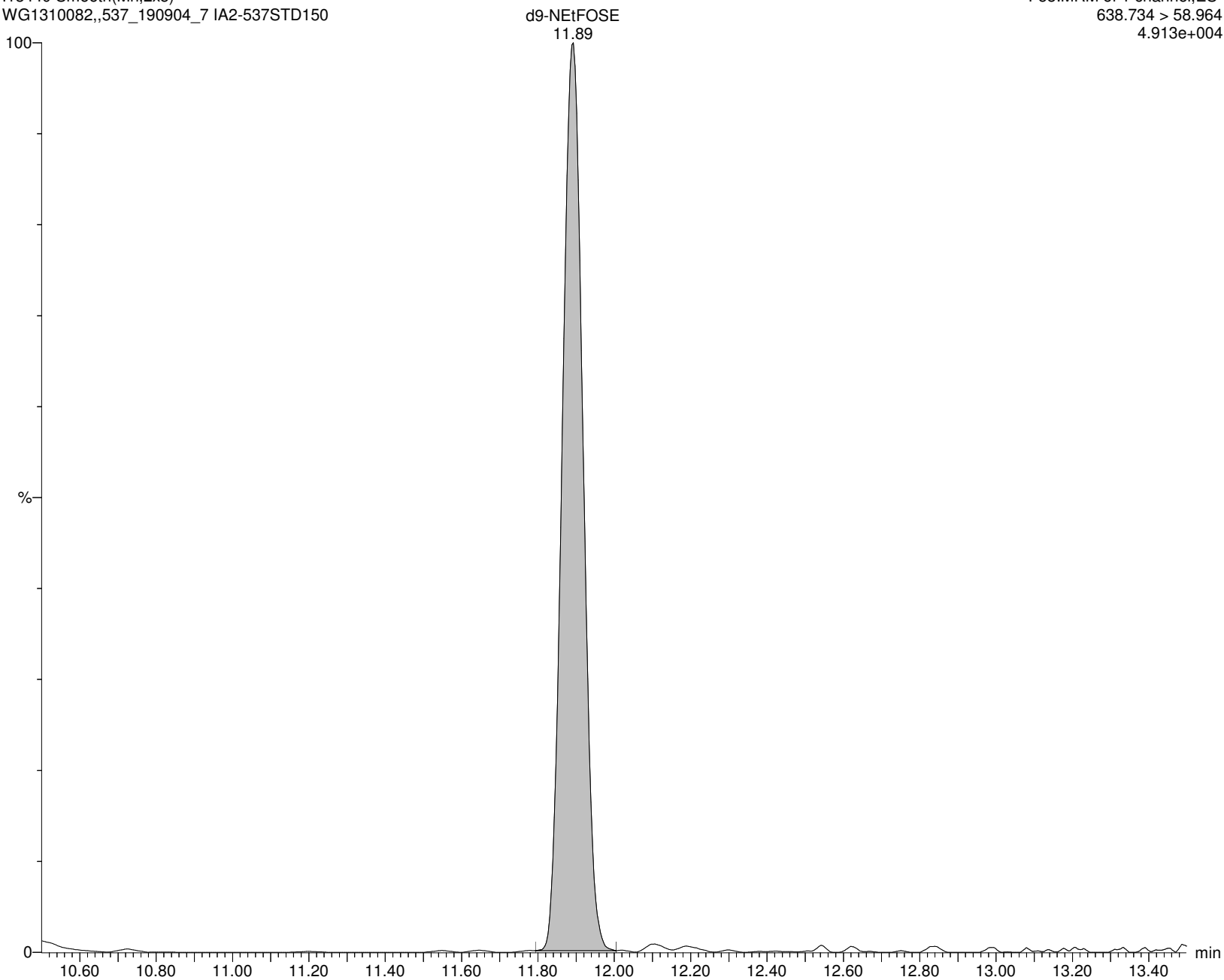
I13440 Smooth(Mn,2x5)

WG1310082,,537_190904_7 IA2-537STD150

F58:MRM of 1 channel,ES-

638.734 > 58.964

4.913e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD250

Name: I13441

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	1053097		260.349		na	104.1
2	M3PFBA	INT STD	2.19	215.926 > 172.122	44855		9.680		na	96.8
3	MPFBA	INT STD	2.19	216.926 > 172.137	48443		9.924		na	99.2
4	PFPeA	2706-90-3	5.09	262.926 > 219.002	1664294		259.541		na	103.8
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	66395		9.590		na	95.9
6	PFBS	375-73-5	5.74	298.926 > 79.923	295488		229.092	1.91	NO	103.5
7	M3PFBS	INT STD	5.74	301.989 > 80.254	8779		11.009		na	110.1
8	4:2FTS	757124-72-4	6.91	326.926 > 306.957	140203		ND	2.17	NO	
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	11231		21.693		na	216.9
10	PFHxA	307-24-4	6.99	312.989 > 269.028	1733137		256.561	18.12	NO	102.6
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	73382		9.981		na	99.8
12	PFPeS	2706-91-4	7.29	348.926 > 80.251	187634		242.760	1.78	NO	103.3
13	PFHpA	375-85-9	8.26	362.926 > 319.014	2202073		256.824	5.74	NO	102.7
14	M4PFHpA	INT STD	8.26	366.926 > 321.979	95053		9.705		na	97.1
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	30899	M5	44.216	2.24	NO	104.0
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	110742		191.292	1.18	NO	103.4
17	PFHxS	355-46-4		398.926 > 80.295	141641		235.508		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	4622		10.041		na	100.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND	0.00	NO	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	2184240		262.402	10.26	NO	105.0
21	PFOA	335-67-1		412.989 > 368.9	2184240		262.402		na	
22	M8PFOA	INT STD	9.19	420.989 > 375.979	90653		9.646		na	96.5
23	M2PFOA	INT STD	9.19	415.032 > 369.968	96049		9.086		na	90.9
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	105135		ND	9.62	NO	
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	11016		21.773		na	217.7
26	PFHpS	375-92-8	9.29	448.926 > 80.257	99603		255.931	0.86	YES	107.8
27	PFNA	375-95-1	9.95	462.989 > 418.931	1887085		262.199	4.53	NO	104.9
28	M9PFNA	INT STD	9.95	472.053 > 426.947	87852		9.500		na	95.0
29	br-PFOS	1763-23-1	9.81	498.989 > 80.294	48276	M5	52.590	4.53	NO	105.2
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	114602		197.579	1.54	YES	108.3
31	PFOS	1763-23-1		498.989 > 80.294	162877		250.169		na	
32	M4PFOS	INT STD	10.00	503.032 > 80.306	5697		8.157		na	81.6
33	M8PFOS	INT STD	10.00	507.053 > 80.294	5910		10.111		na	101.1
34	PFDA	335-76-2	10.57	513.053 > 468.906	1633247		254.115	6.75	NO	101.6
35	M2PFDA	INT STD	10.57	515.053 > 469.934	73447		8.319		na	83.2
36	M6PFDA	INT STD	10.57	519.053 > 473.931	74923		9.870		na	98.7
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	72996		ND		na	
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	6318		21.284		na	212.8
39	PFNS	68259-12-1	10.60	548.989 > 80.249	130021		236.503	1.24	NO	98.5

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

ID: IA2-537STD250

Name: I13441

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	9846		11.389		na	113.9
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	236955		258.231	2.71	NO	103.3
43	NMeFOSAA	2355-31-9		570.053 > 418.917	236955		258.231		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	1508727		258.265	8.05	NO	103.3
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	61087		9.071		na	90.7
46	PFDS	335-77-3	11.12	598.926 > 80.314	95134		242.098	1.03	NO	100.4
47	FOSA	754-91-6	11.01	497.989 > 78.245	535815		260.532	123.86	NO	104.2
48	M8FOSA	INT STD	11.01	506.053 > 78.286	19355		10.784		na	107.8
49	d5-NEtFOSAA	INT STD	11.24	589.117 > 418.929	8970		11.746		na	117.5
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND	0.00	NO	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	207896		245.516	2.47	NO	98.2
52	NEtFOSAA	2991-50-6		583.989 > 418.927	207896		245.516		na	
53	PFDaA	307-55-1	11.59	612.989 > 568.967	1677290		257.198	14.32	NO	102.9
54	MPFDOA	INT STD	11.59	614.989 > 569.92	76995		10.191		na	101.9
55	PFTTrDA	72629-94-8	12.00	663.053 > 618.969	1125203		252.665	11.01	NO	101.1
56	PFTA	376-06-7	12.36	713.053 > 668.976	1254326		259.404	8.67	NO	103.8
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	60380		10.062		na	100.6
58	M3HFPO-DA	INT STD	7.39	331.989 > 286.995	14124		343.019		na	171.5
59	HFPO-DA	13252-13-6	7.39	284.819 > 169.094	593297		5059.075	2.71	YES	101.2
60	ADONA	958445-44-8	8.44	376.926 > 251.005	2918572		244.897		na	103.5
61	PFHxDA		12.78	813.053 > 769.005	1043087		260.356		na	104.1
62	PFODA		12.98	912.989 > 869.032	747347		252.158		na	100.9
63	M2PFHxDA		12.78	815.372 > 770.158	12595		9.860		na	98.6
64	PFDoS		11.99	698.649 > 79.853	95181		237.606	1.96	YES	95.0
65	10:2FTS		11.60	626.862 > 606.896	73628		ND		na	
66	9CL-PF3ONS		10.35	530.862 > 350.843	962078		247.688		na	106.3
67	11CL-PFOUdS		11.38	630.862 > 450.854	830743		253.699		na	107.7
68	NMeFOSA		11.62	511.804 > 168.906	204881		255.491	1.50	NO	102.2
69	d3-NMeFOSA		11.62	514.84 > 168.917	10789		11.528		na	115.3
70	NEtFOSA		11.92	525.84 > 168.92	228134		243.312	5.52	NO	97.3
71	d5-NEtFOSA		11.91	530.904 > 168.919	10701		11.689		na	116.9
72	NMeFOSE		11.63	615.862 > 58.9	245770		263.169		na	105.3
73	d7-NMeFOSE		11.61	622.84 > 58.964	4616		10.531		na	105.3
74	NEtFOSE		11.91	629.862 > 58.899	285368		246.934		na	98.8
75	d9-NEtFOSE		11.89	638.734 > 58.964	2928		11.421		na	114.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

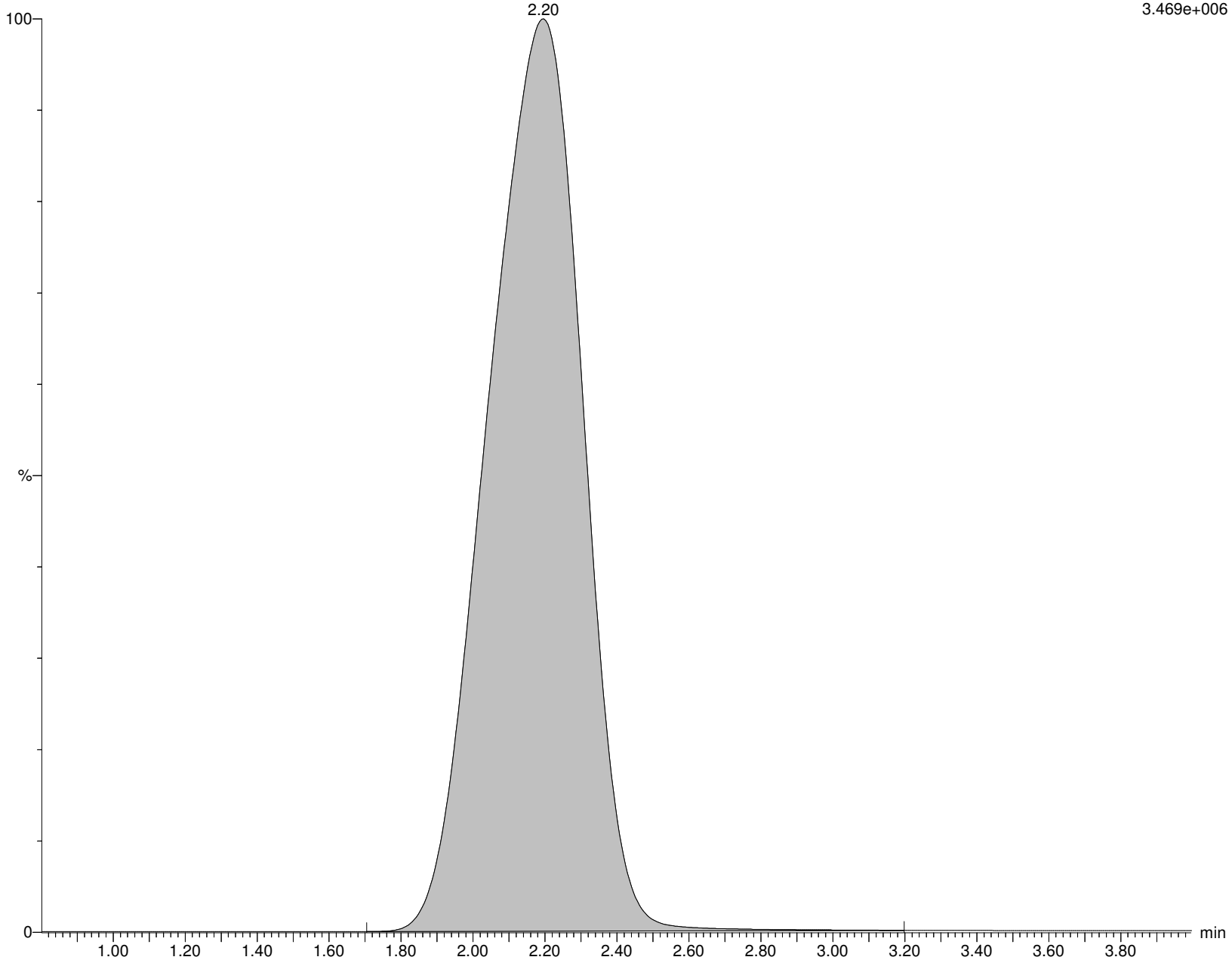
I13441 Smooth(Mn,8x8)

WG1310082,,537_190904_8 IA2-537STD250

F1:MRM of 1 channel,ES-

212.926 > 169.111

3.469e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

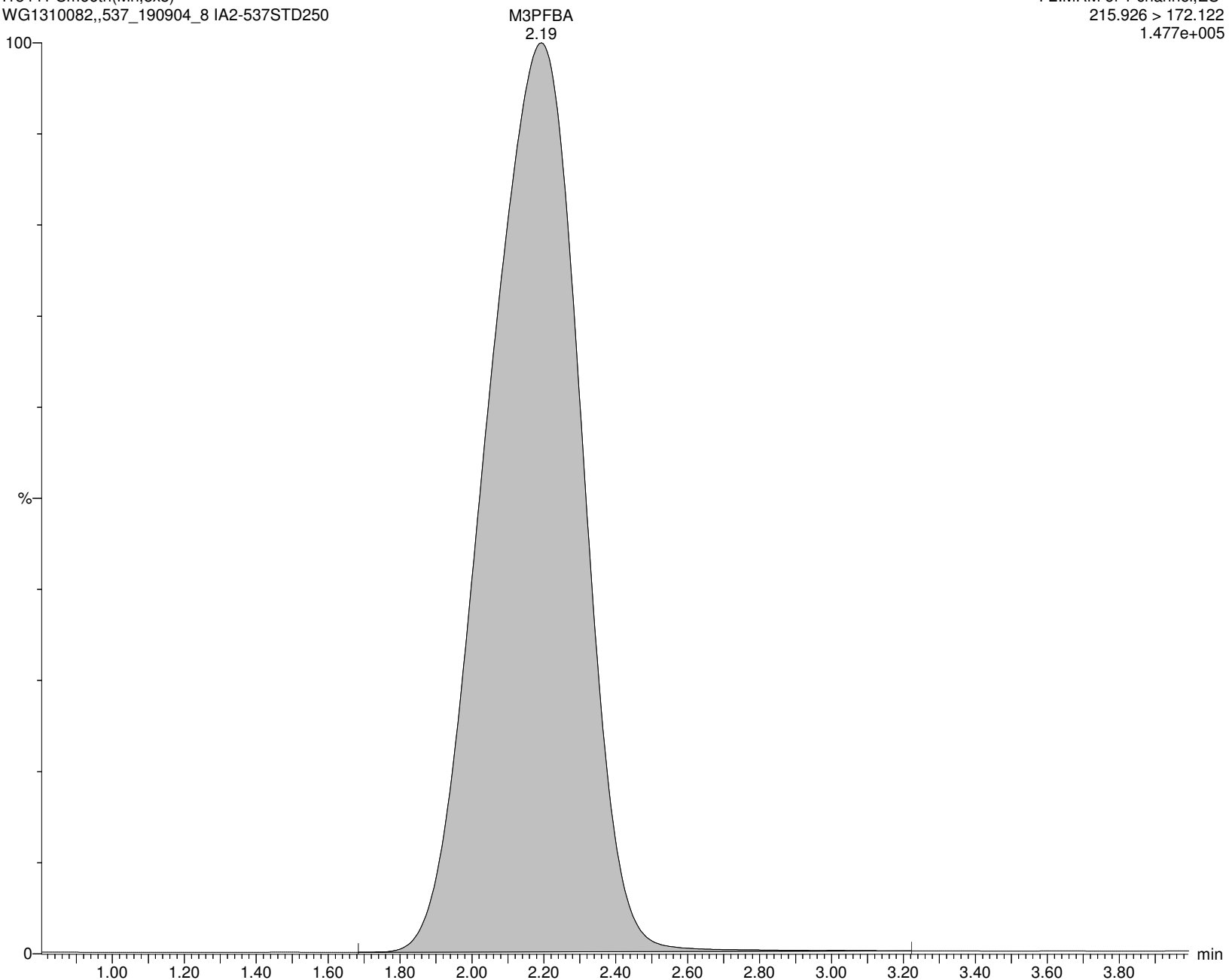
I13441 Smooth(Mn,8x8)

WG1310082,,537_190904_8 IA2-537STD250

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.477e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

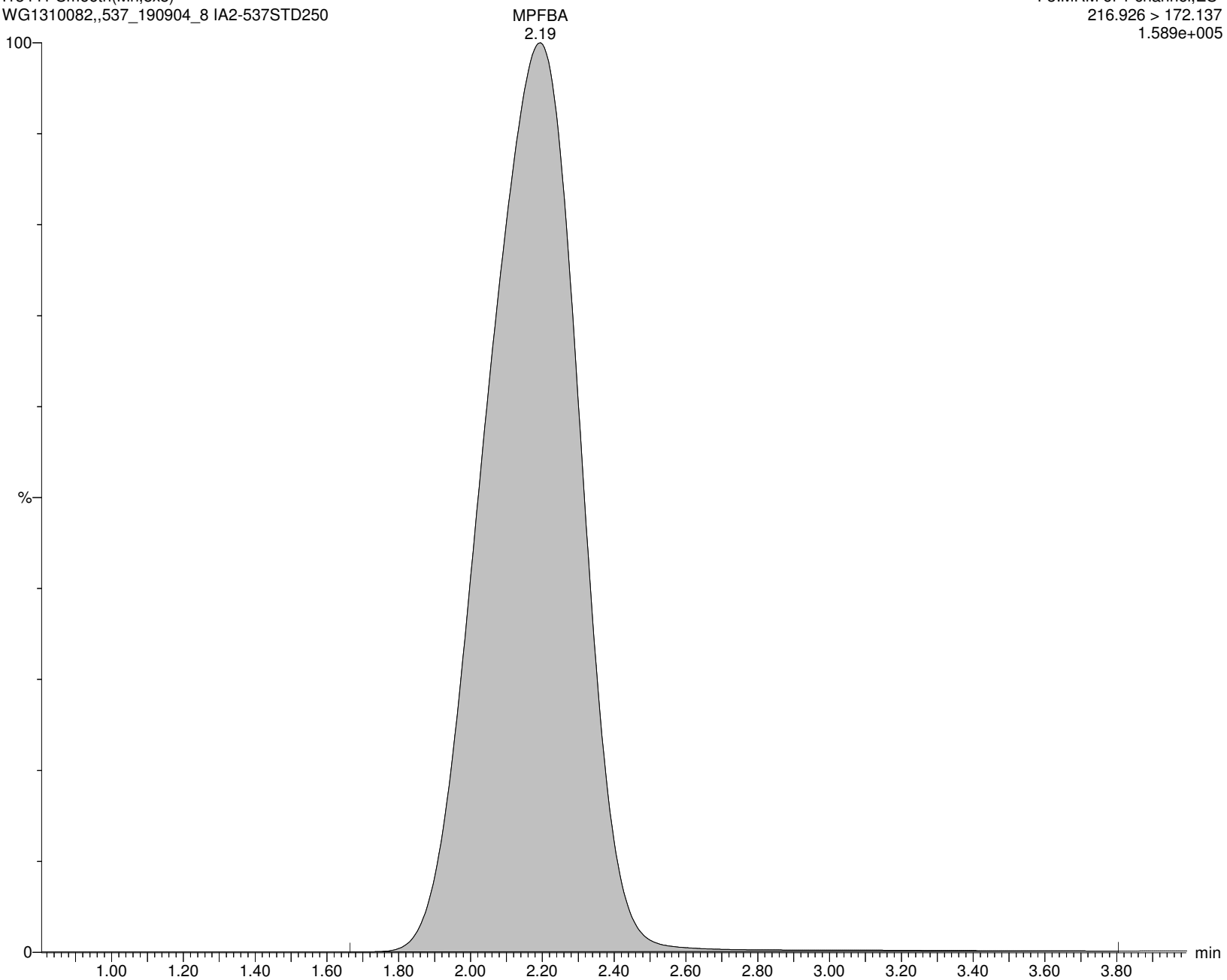
I13441 Smooth(Mn,8x8)

WG1310082,,537_190904_8 IA2-537STD250

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.589e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

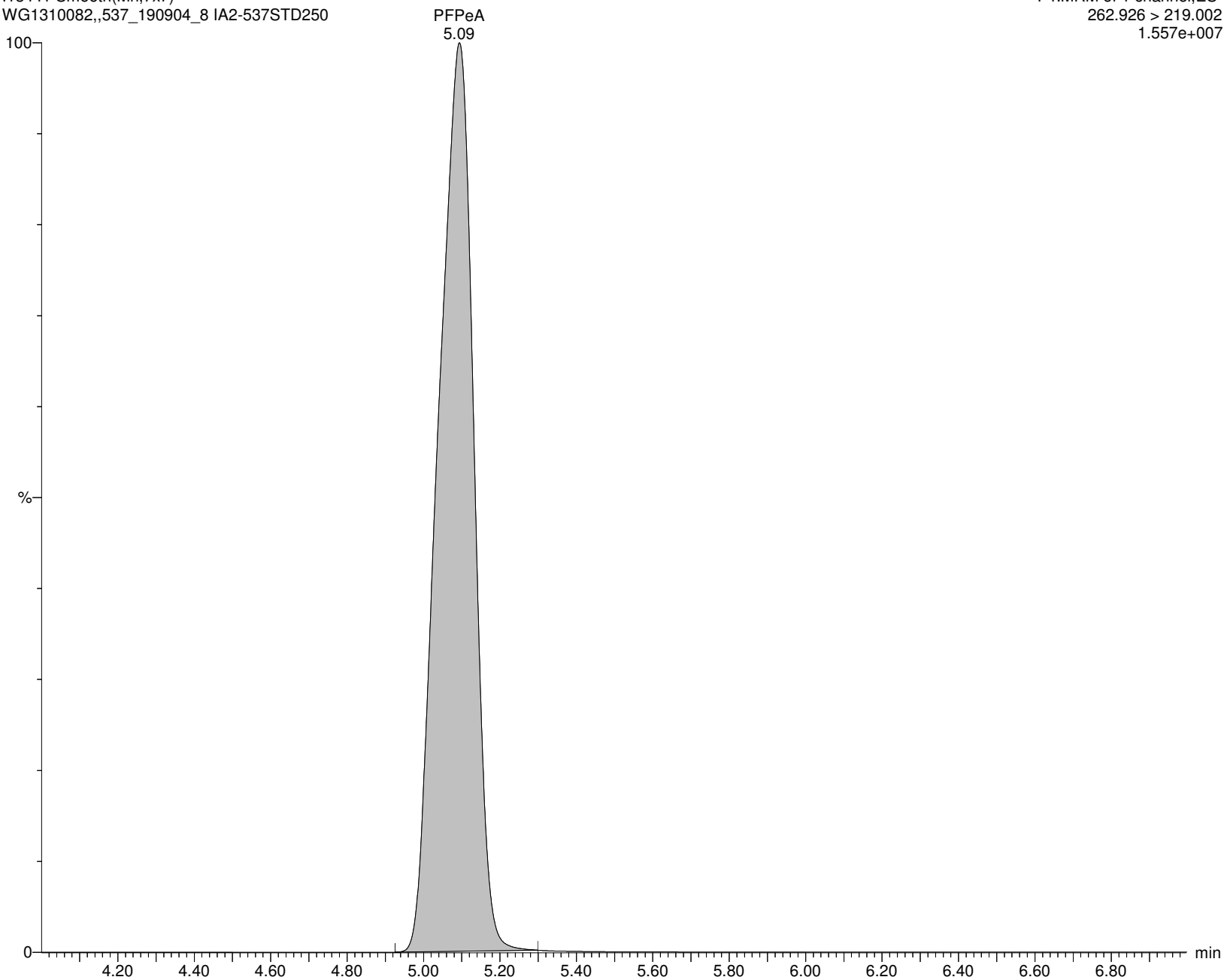
I13441 Smooth(Mn,7x7)

WG1310082,,537_190904_8 IA2-537STD250

F4:MRM of 1 channel,ES-

262.926 > 219.002

1.557e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

I13441 Smooth(Mn,10x10)

WG1310082,,537_190904_8 IA2-537STD250

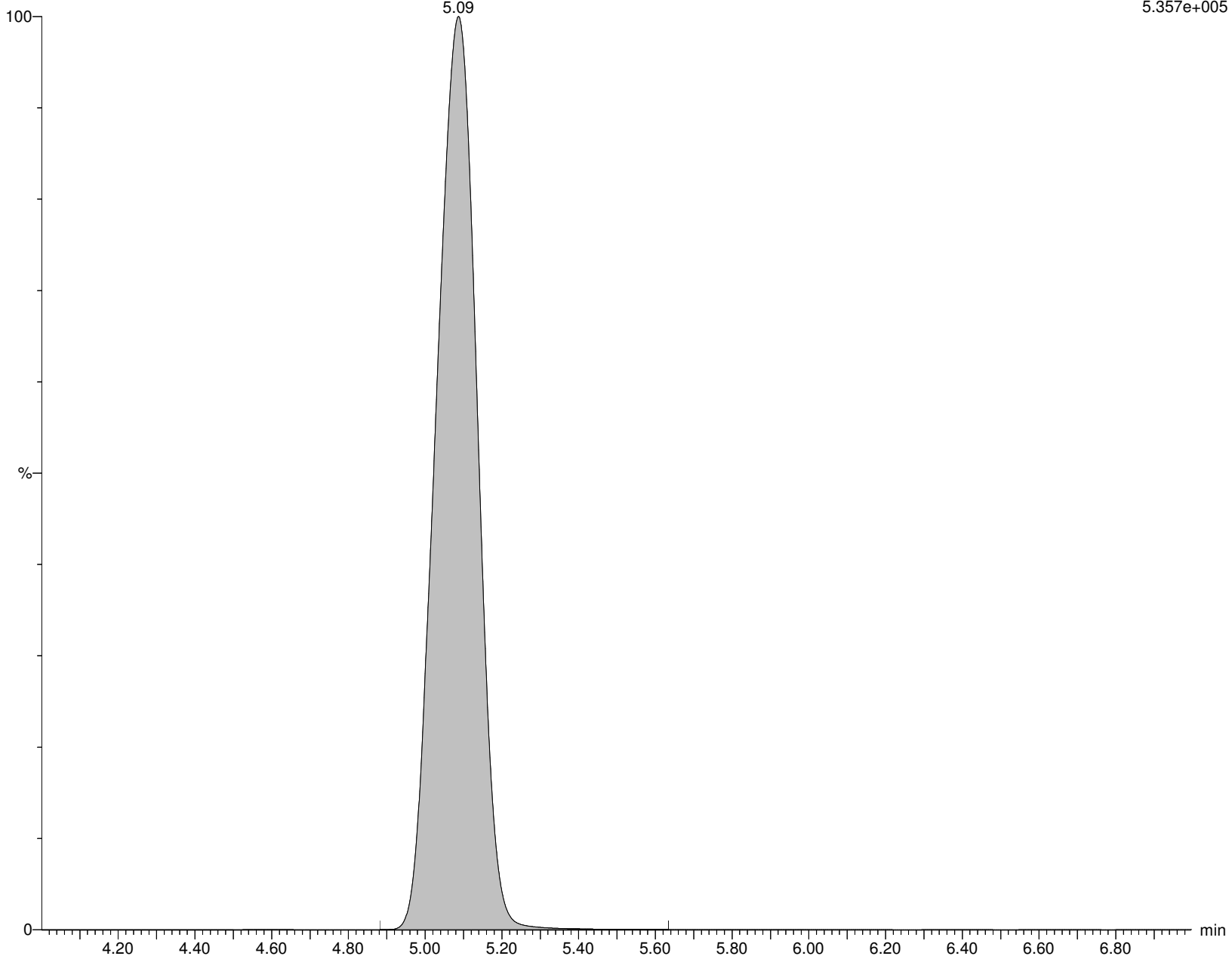
M5PFPEA

5.09

F5:MRM of 1 channel,ES-

267.989 > 223.081

5.357e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

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Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

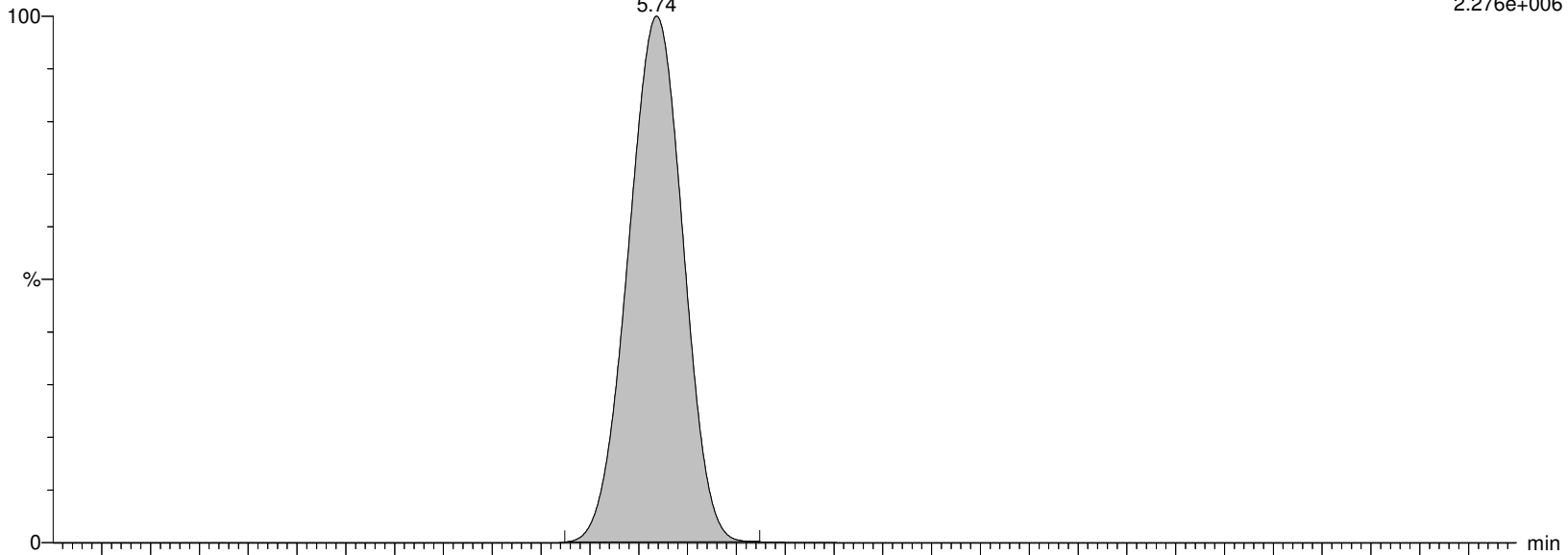
I13441 Smooth(Mn,10x10)

WG1310082,,537_190904_8 IA2-537STD250

F7:MRM of 2 channels,ES-

298.926 > 79.923

2.276e+006



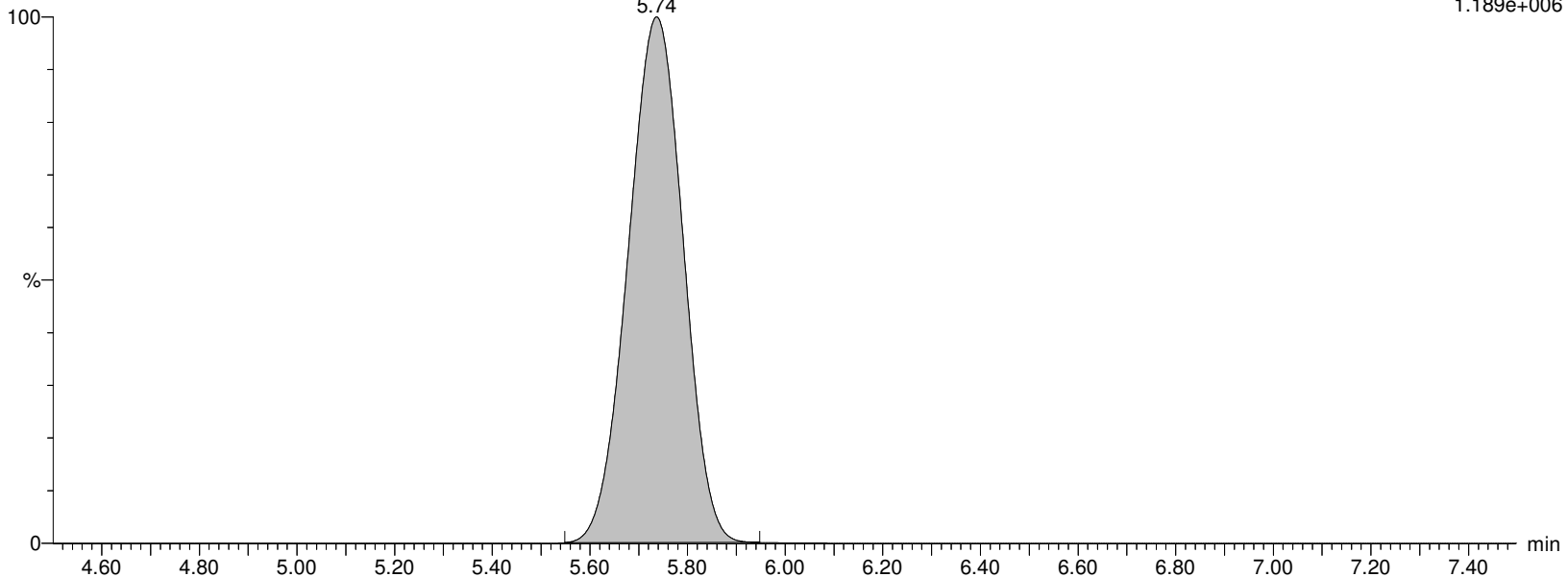
I13441 Smooth(Mn,10x10)

WG1310082,,537_190904_8 IA2-537STD250

F7:MRM of 2 channels,ES-

298.926 > 98.862

1.189e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

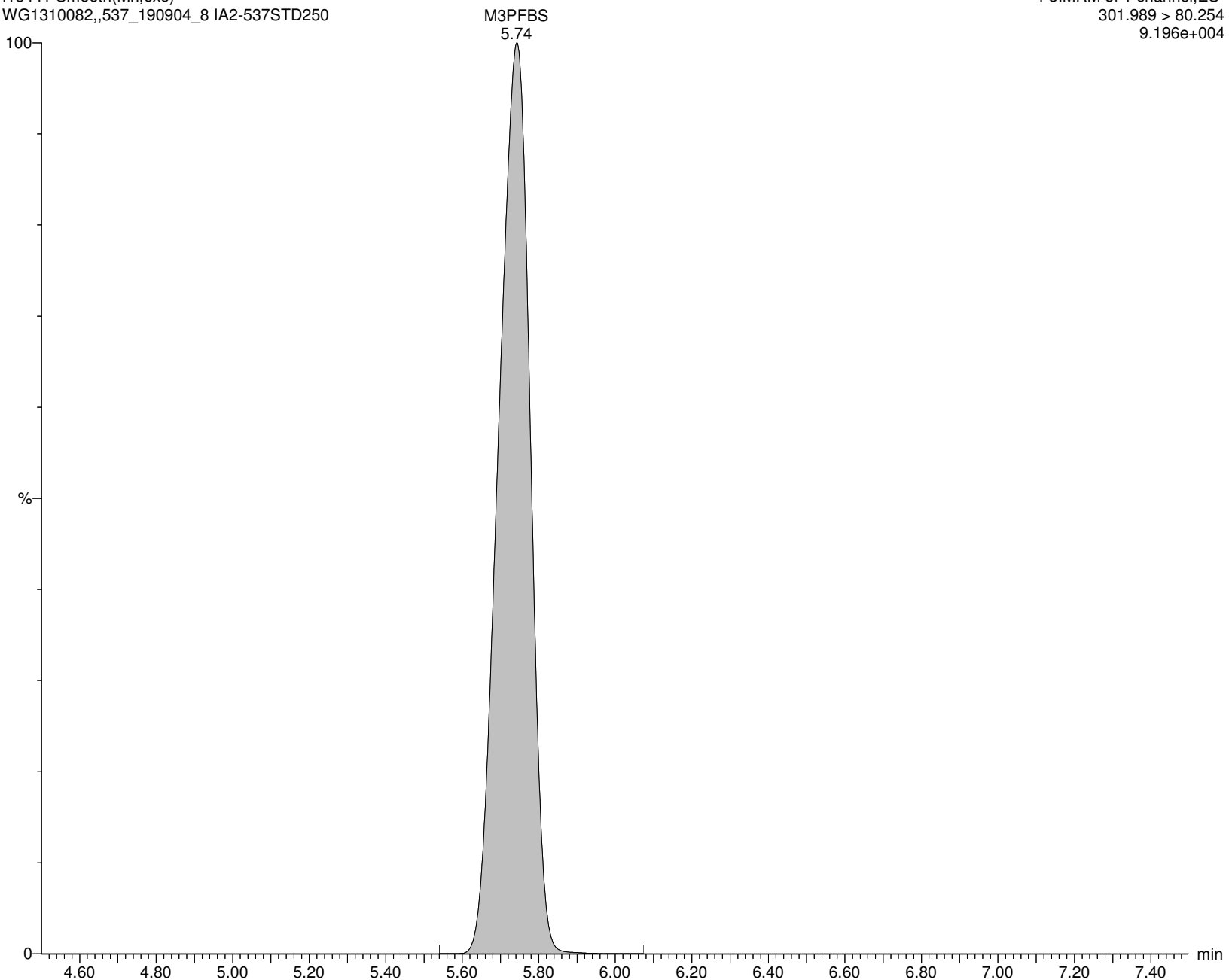
I13441 Smooth(Mn,6x6)

WG1310082,,537_190904_8 IA2-537STD250

F8:MRM of 1 channel,ES-

301.989 > 80.254

9.196e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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4:2FTS

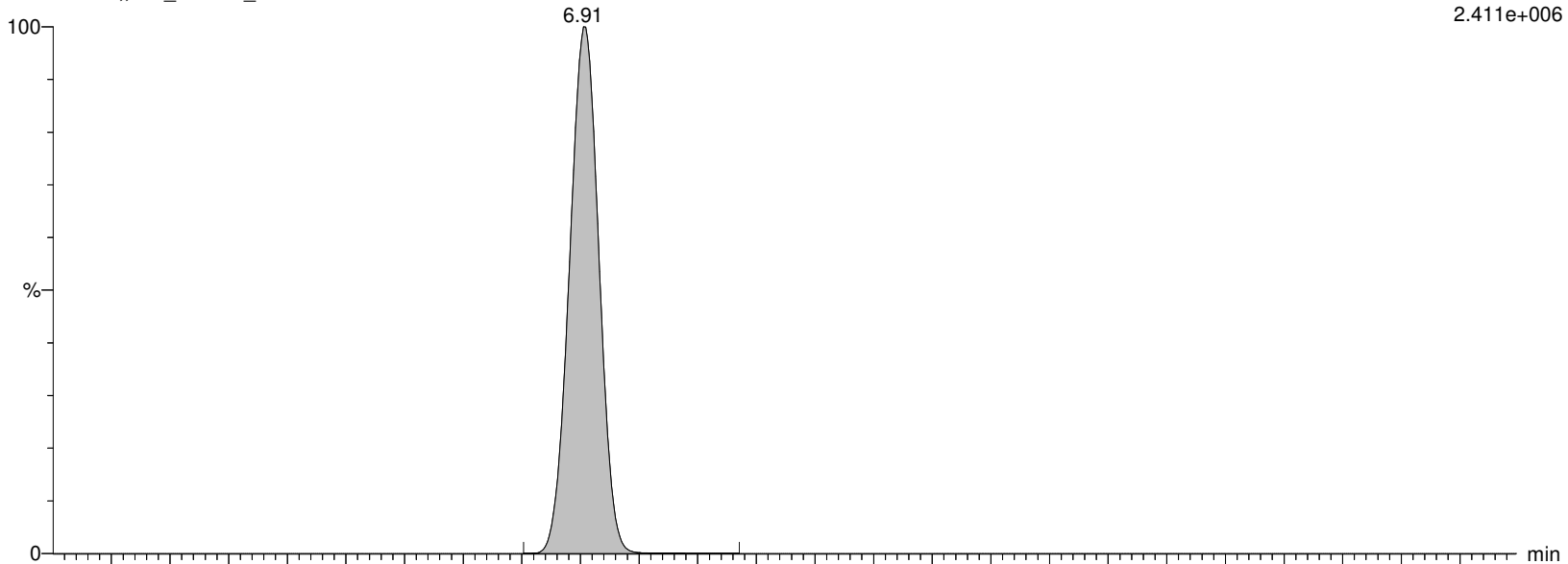
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F11:MRM of 2 channels,ES-

326.926 > 306.957

2.411e+006



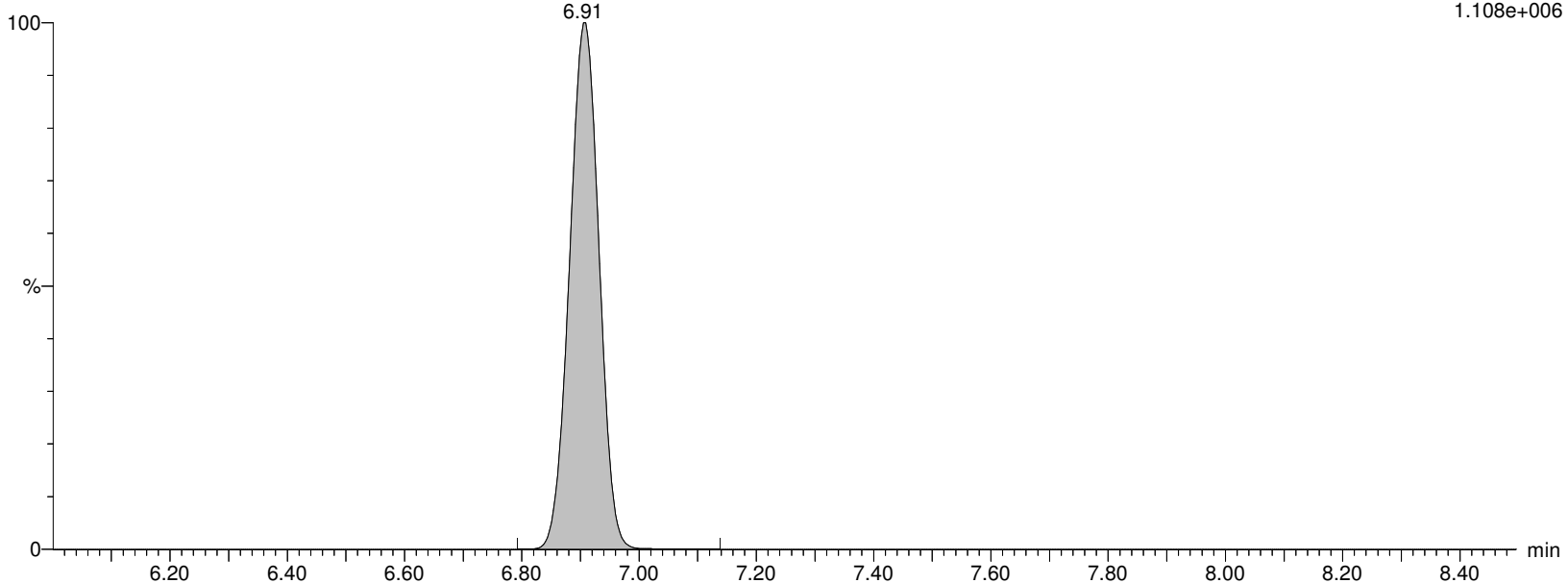
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F11:MRM of 2 channels,ES-

326.926 > 81.02

1.108e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

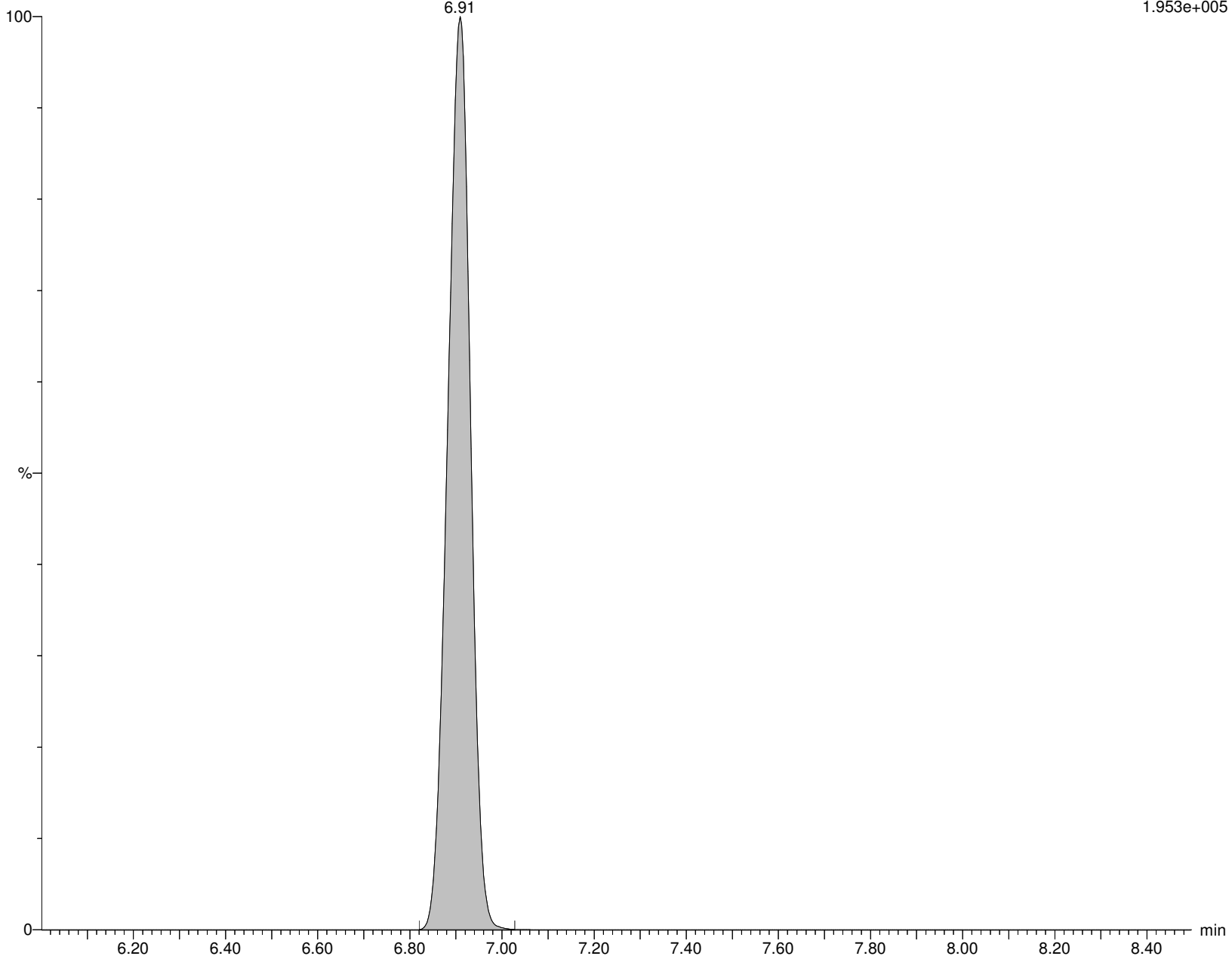
M2-4:2FTS

6.91

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.953e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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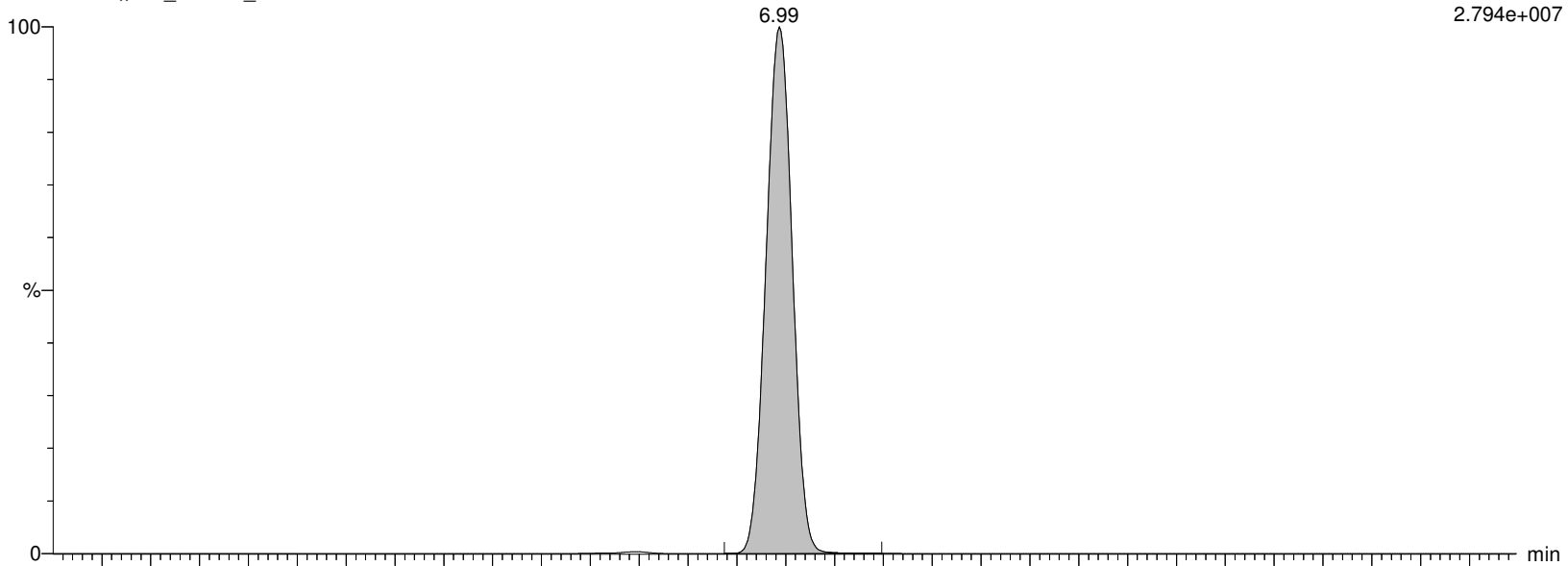
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F9:MRM of 2 channels,ES-

312.989 > 269.028

2.794e+007



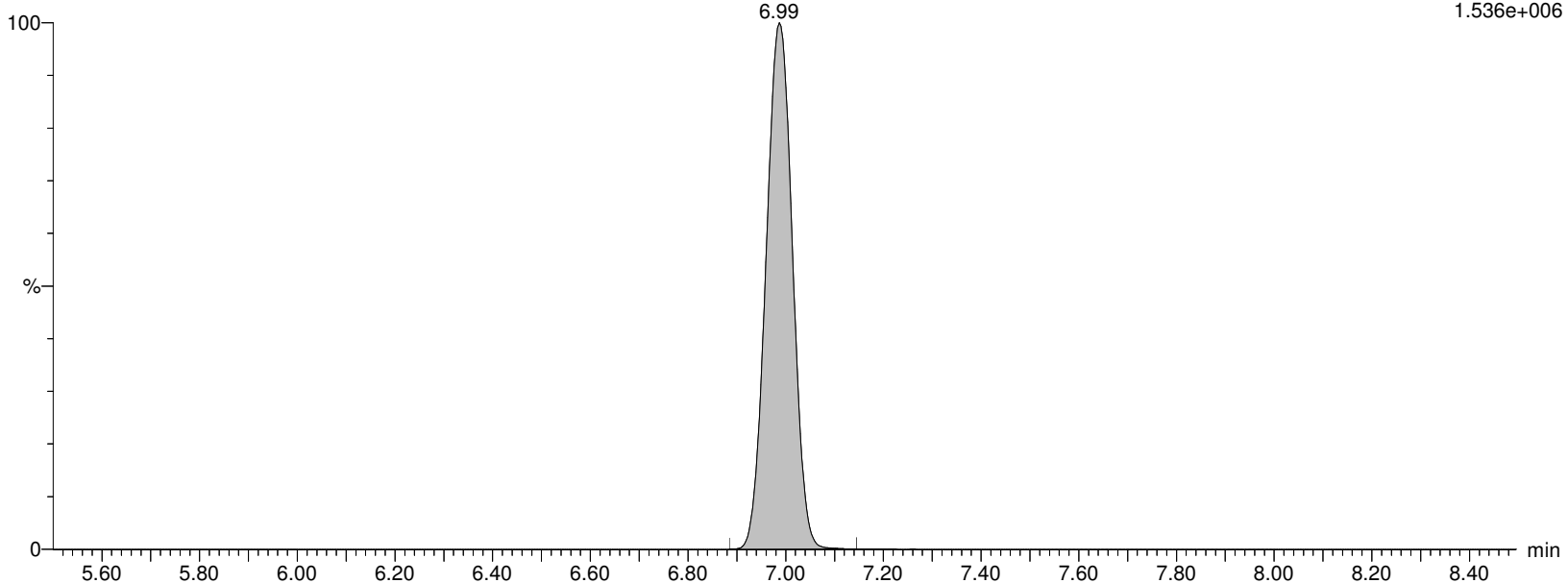
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WG1310082,,537_190904_8 IA2-537STD250

F9:MRM of 2 channels,ES-

312.989 > 119.18

1.536e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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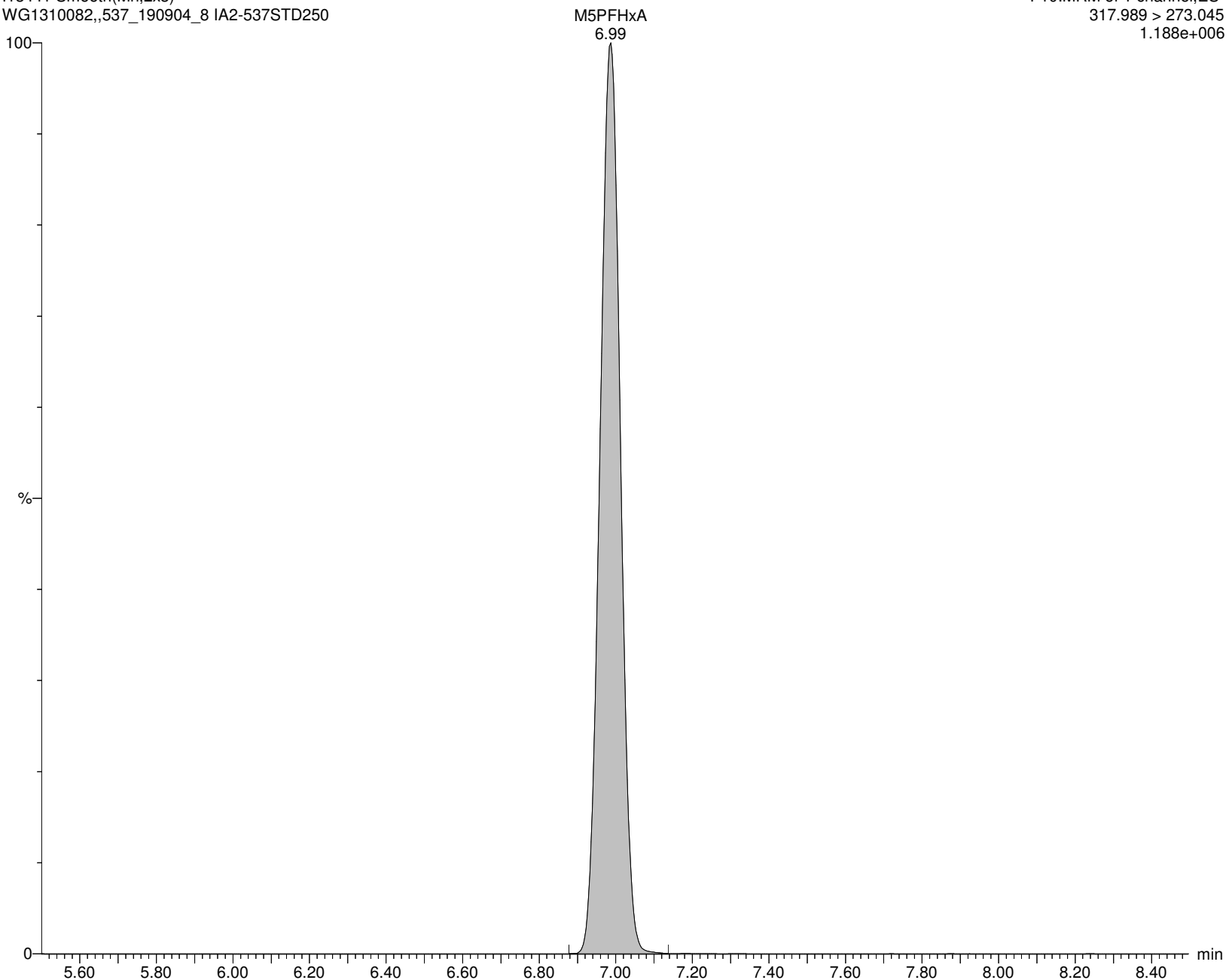
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.188e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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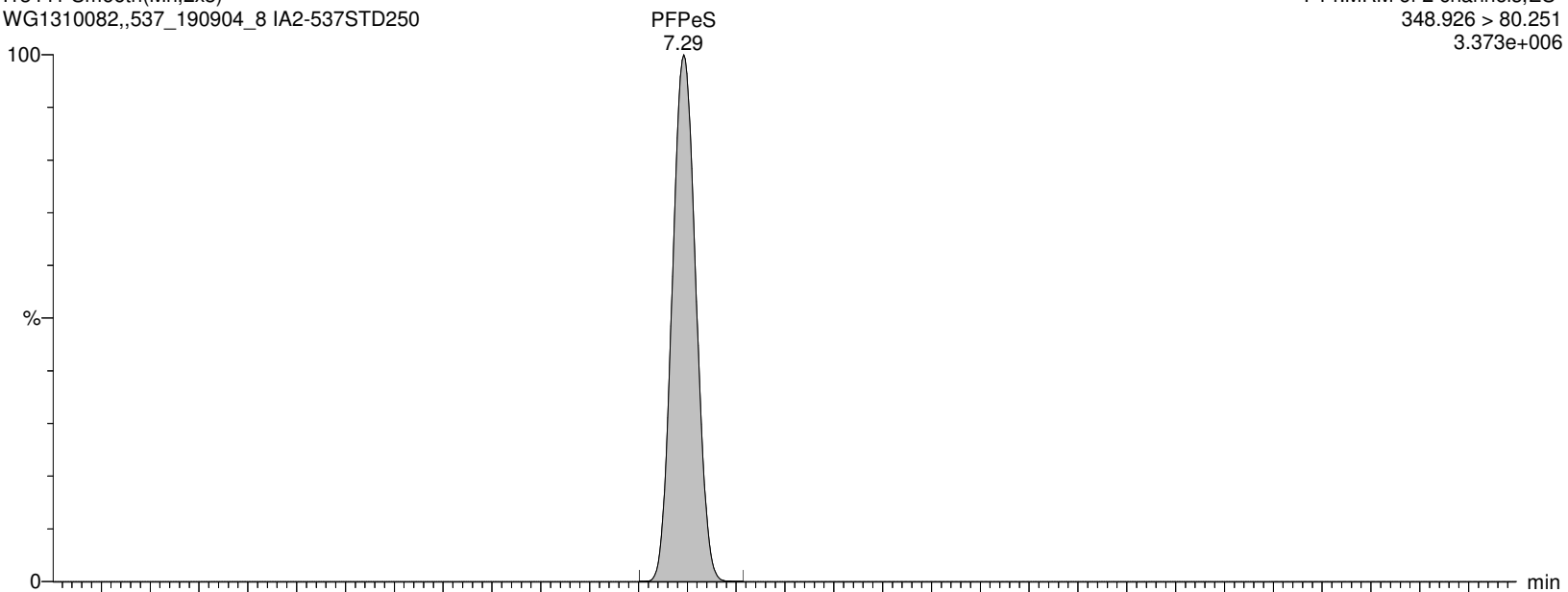
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F14:MRM of 2 channels,ES-

348.926 > 80.251

3.373e+006



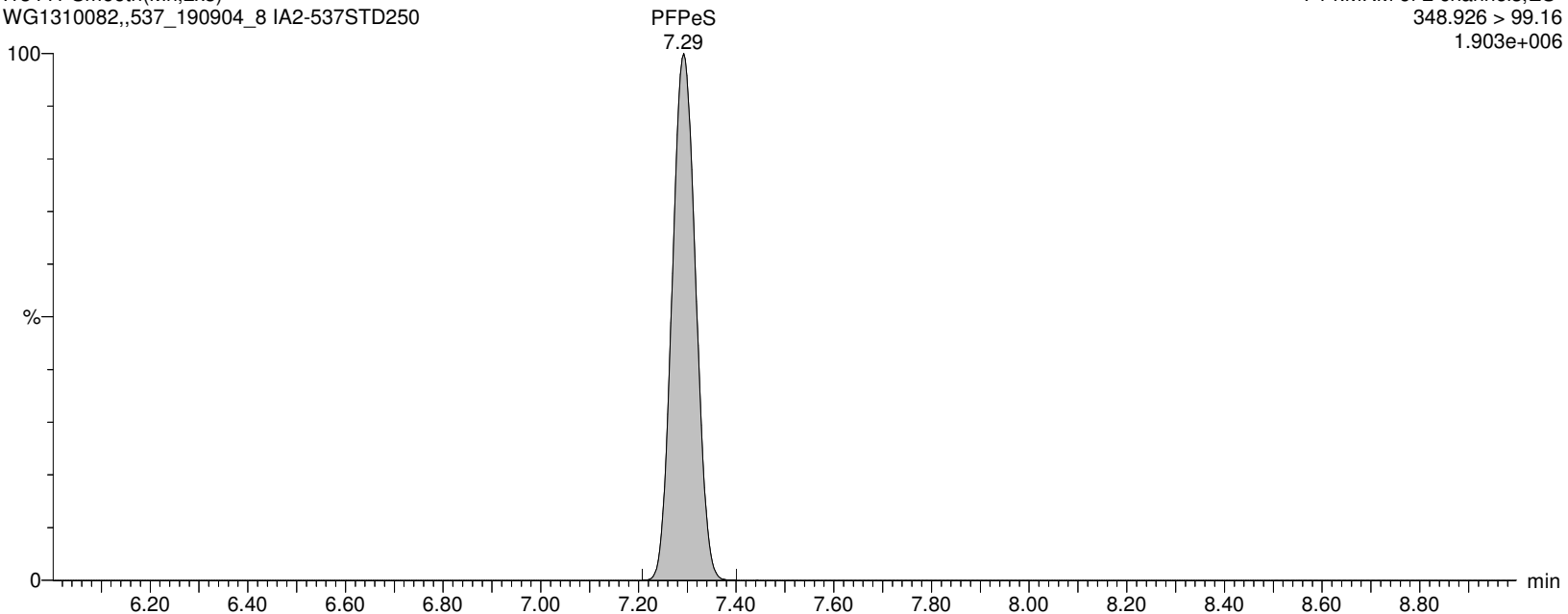
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.903e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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PFHpA

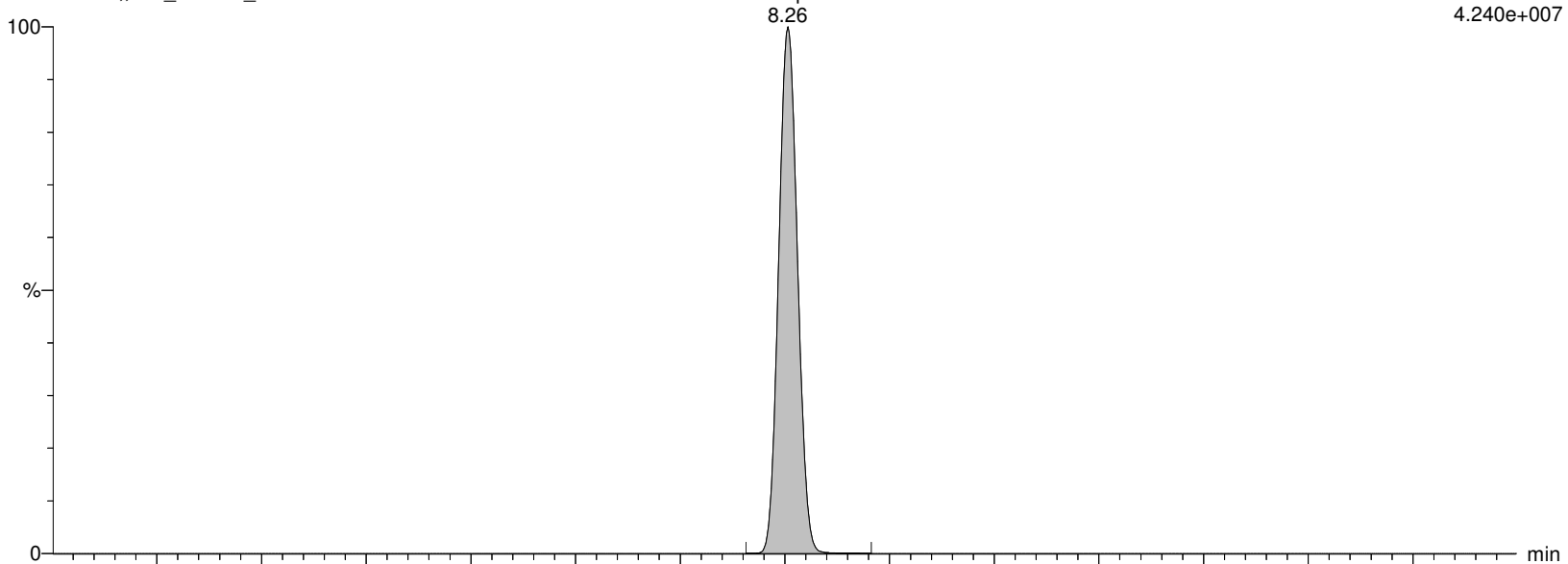
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F15:MRM of 2 channels,ES-

362.926 > 319.014

4.240e+007



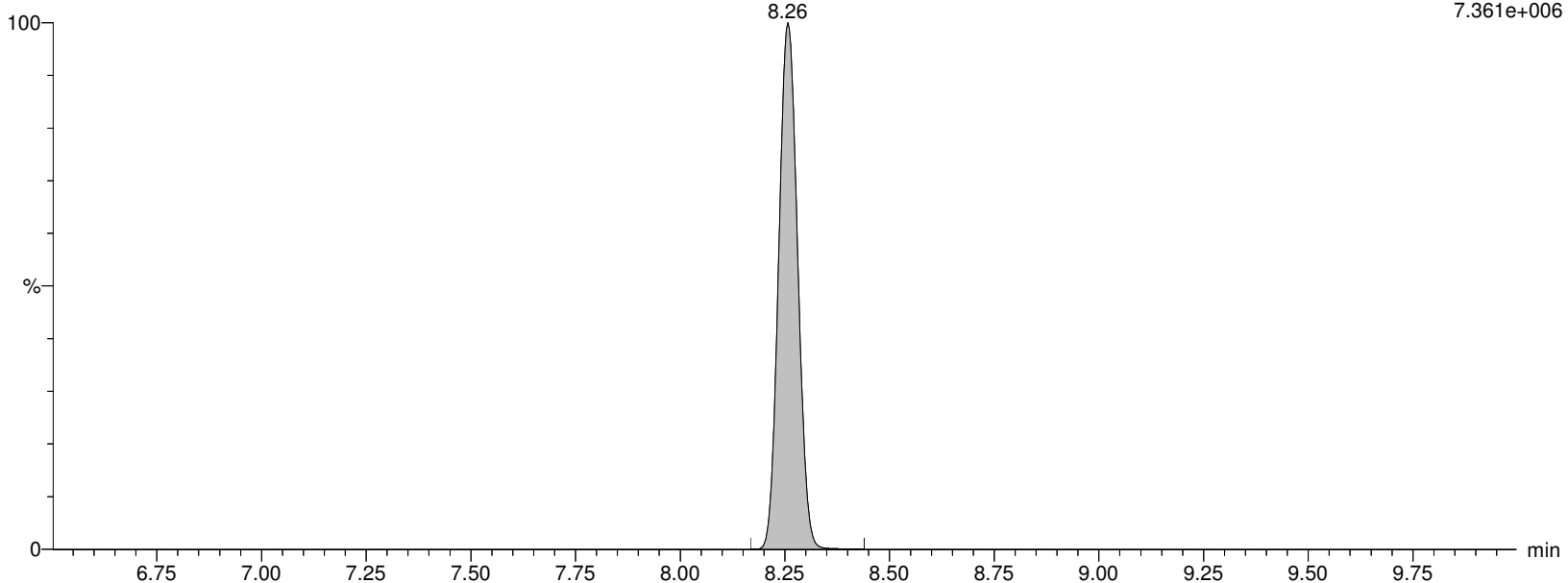
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WG1310082,,537_190904_8 IA2-537STD250

F15:MRM of 2 channels,ES-

362.926 > 169.12

7.361e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

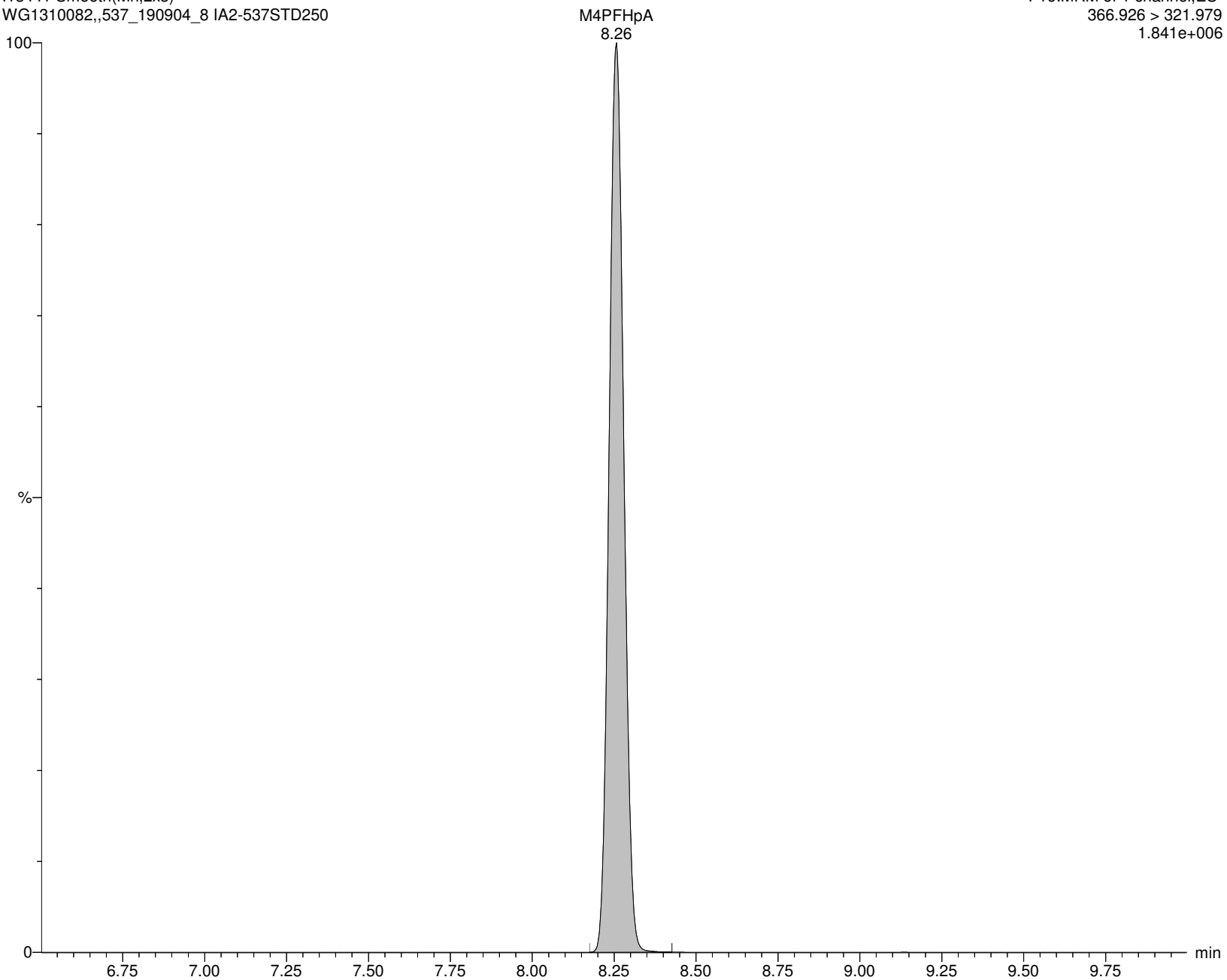
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F16:MRM of 1 channel,ES-

366.926 > 321.979

1.841e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

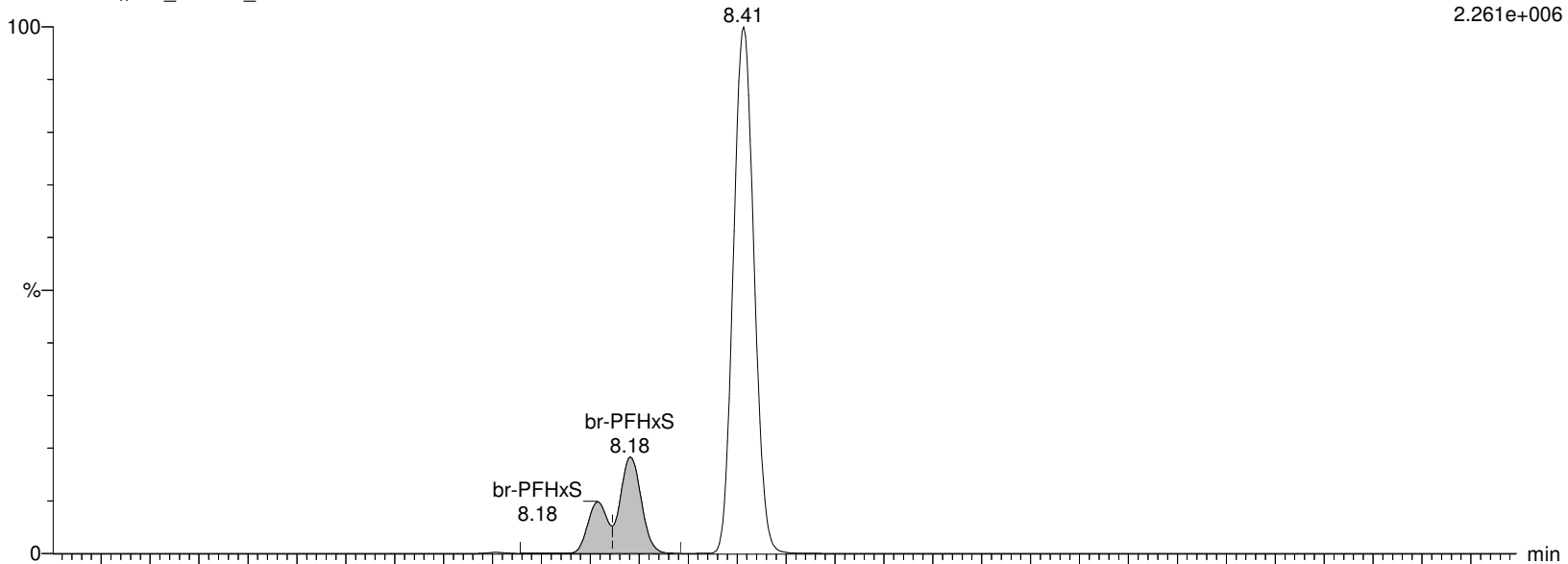
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 80.295

2.261e+006



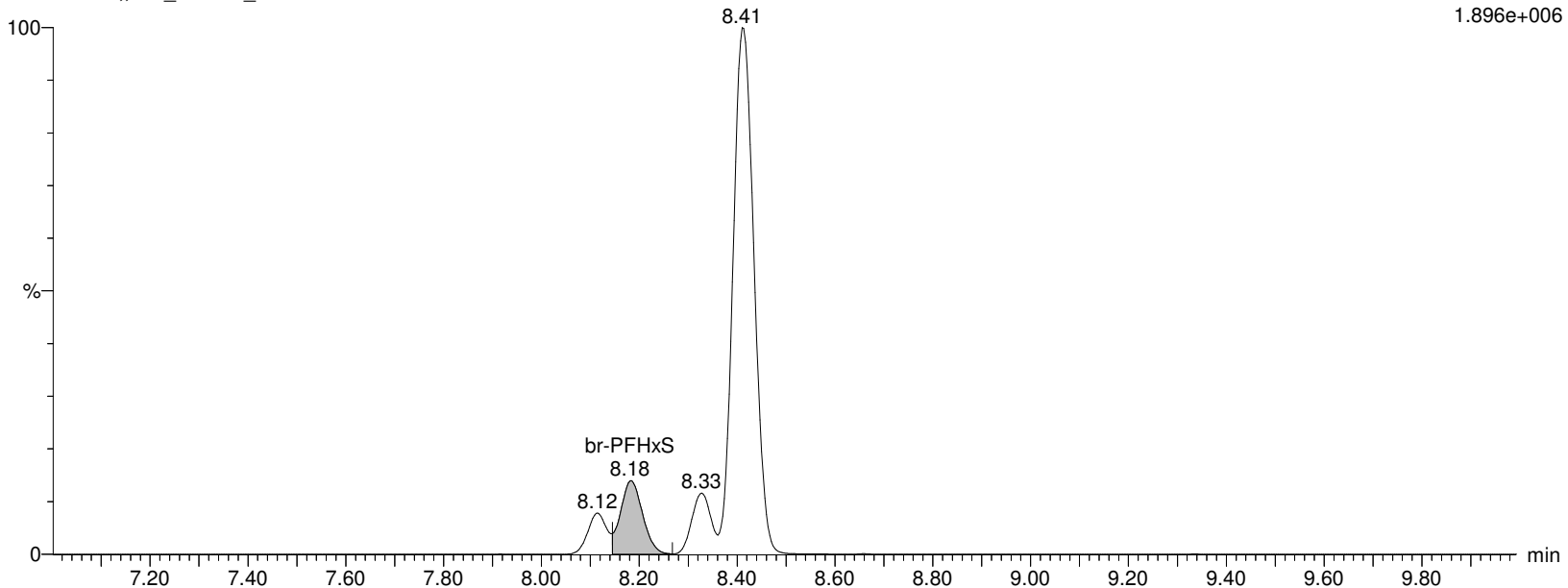
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.896e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

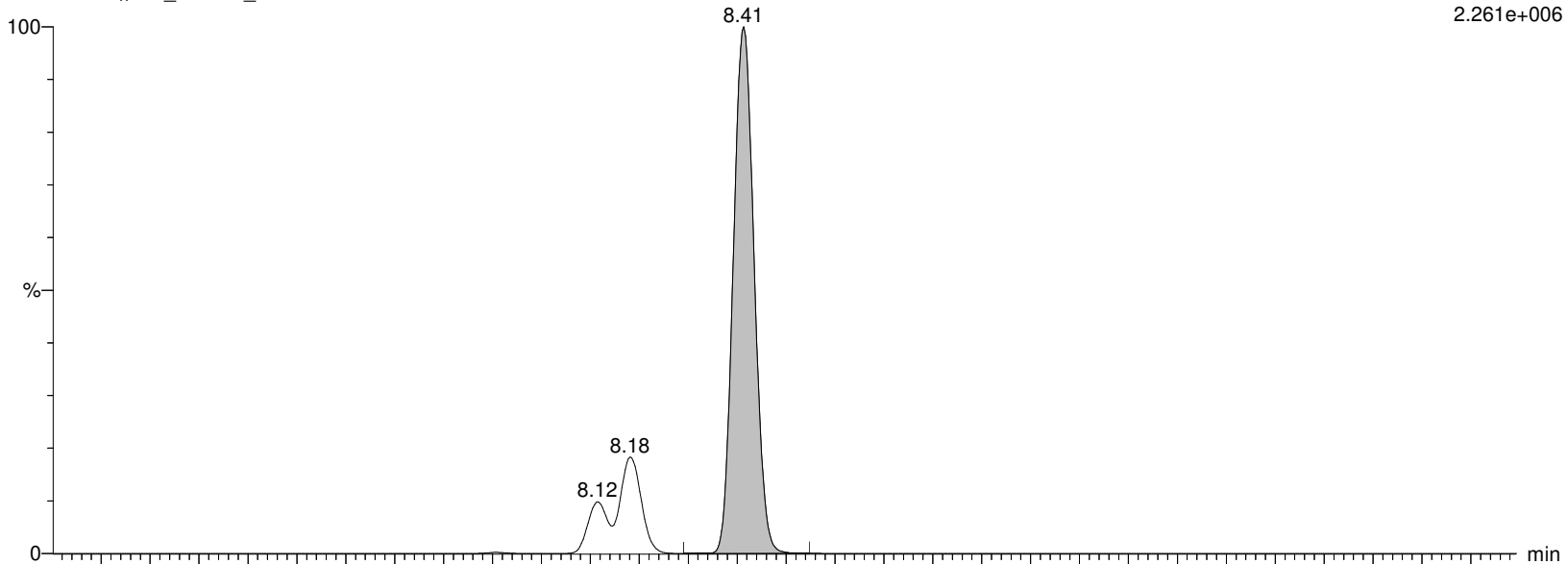
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 80.295

2.261e+006



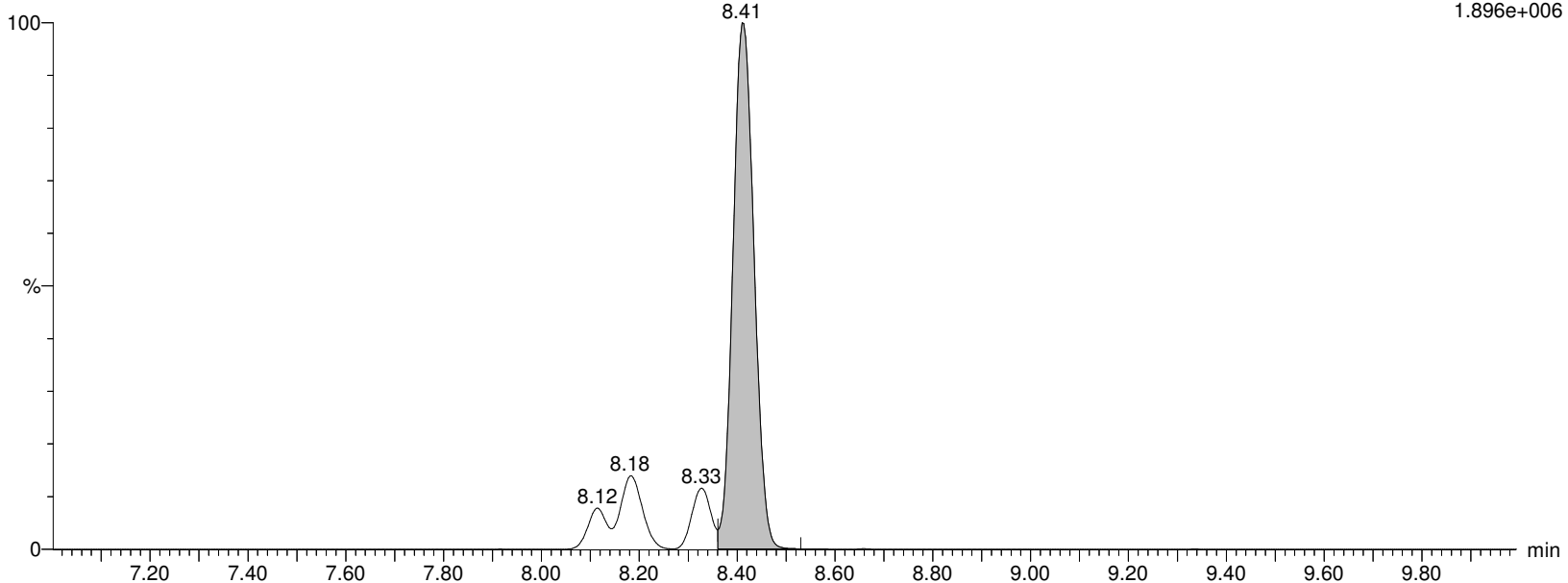
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.896e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

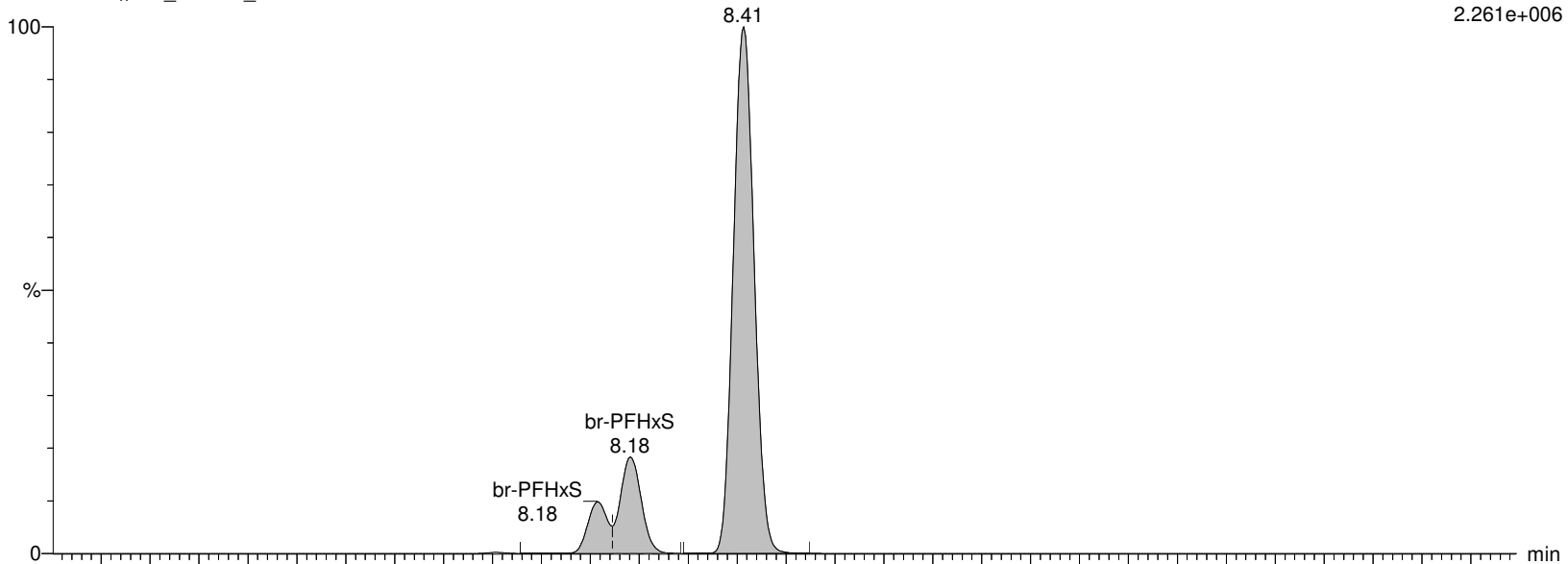
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 80.295

2.261e+006



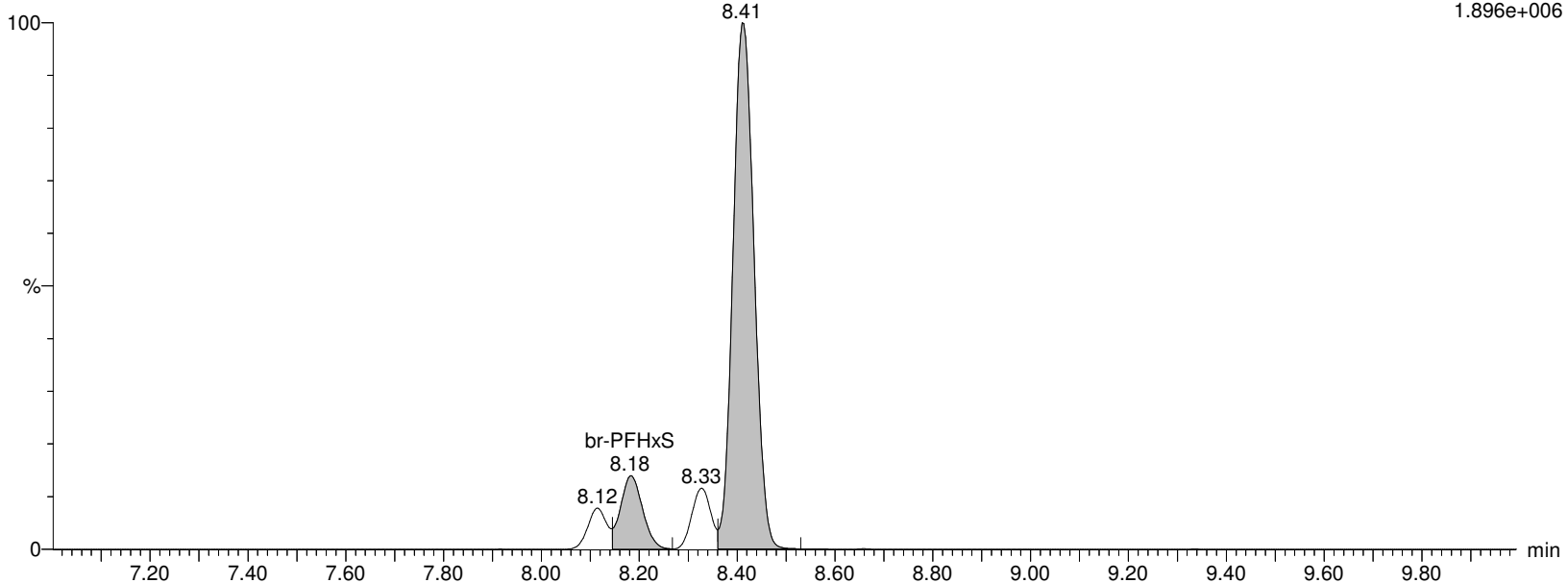
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.896e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

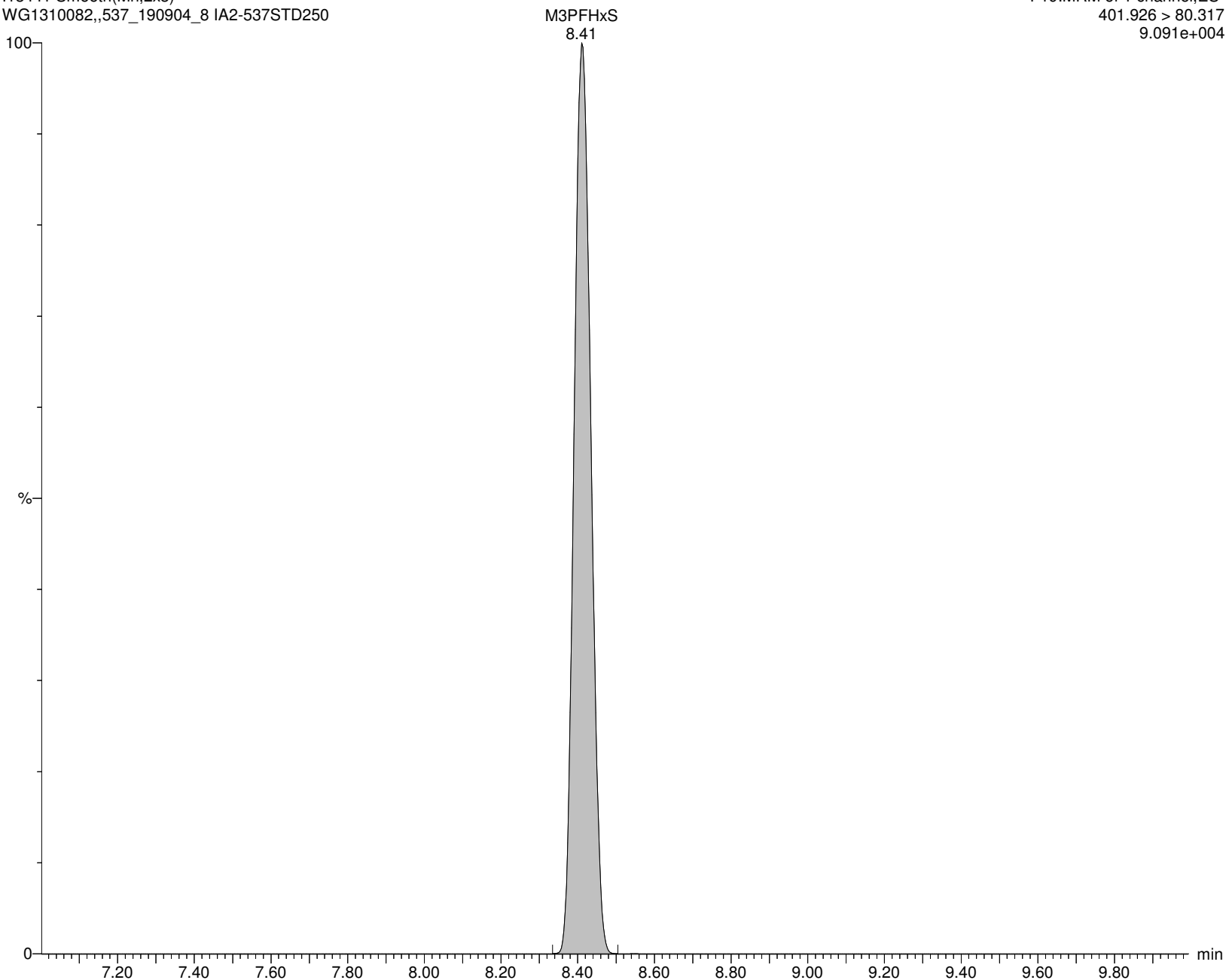
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F19:MRM of 1 channel,ES-

401.926 > 80.317

9.091e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

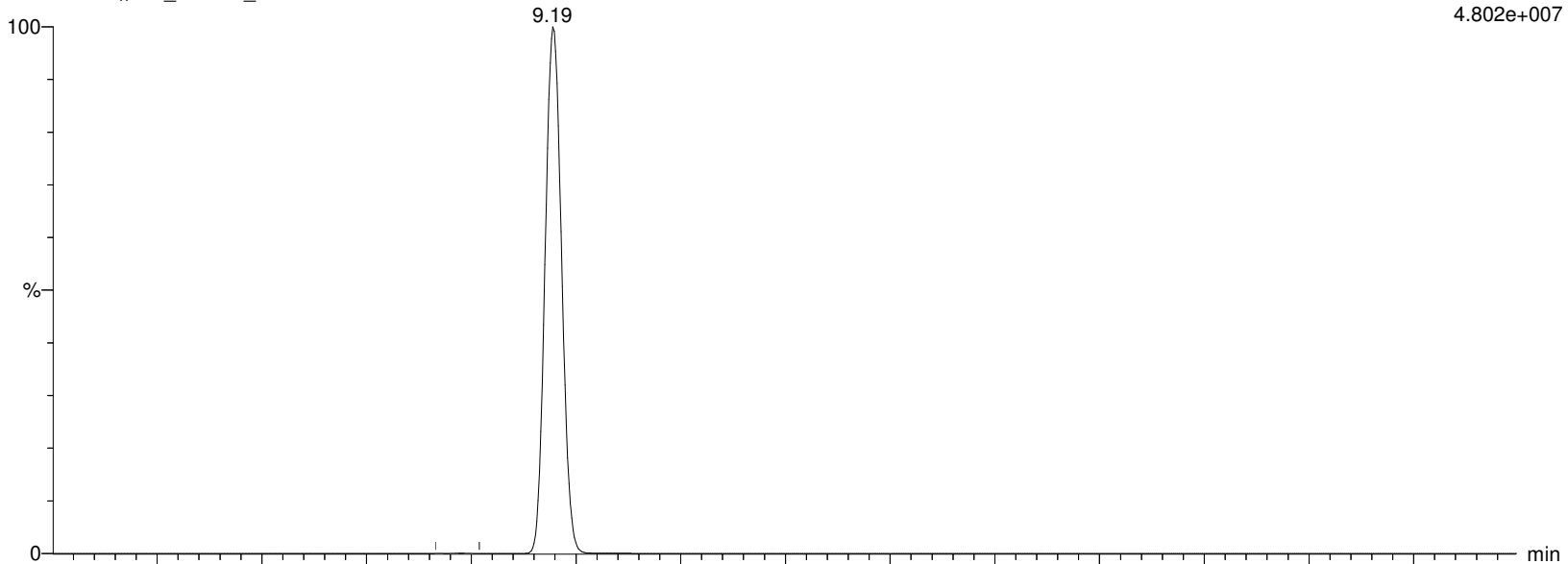
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F20:MRM of 2 channels,ES-

412.989 > 368.9

4.802e+007



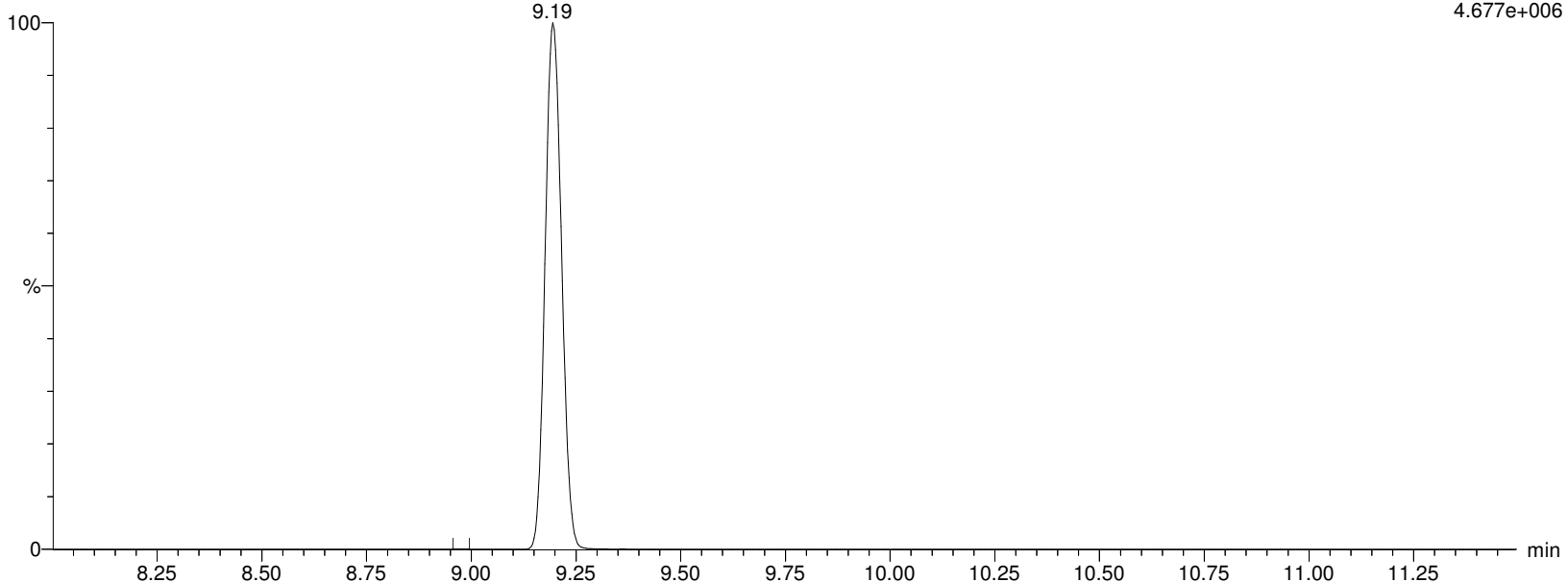
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F20:MRM of 2 channels,ES-

412.989 > 219.08

4.677e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

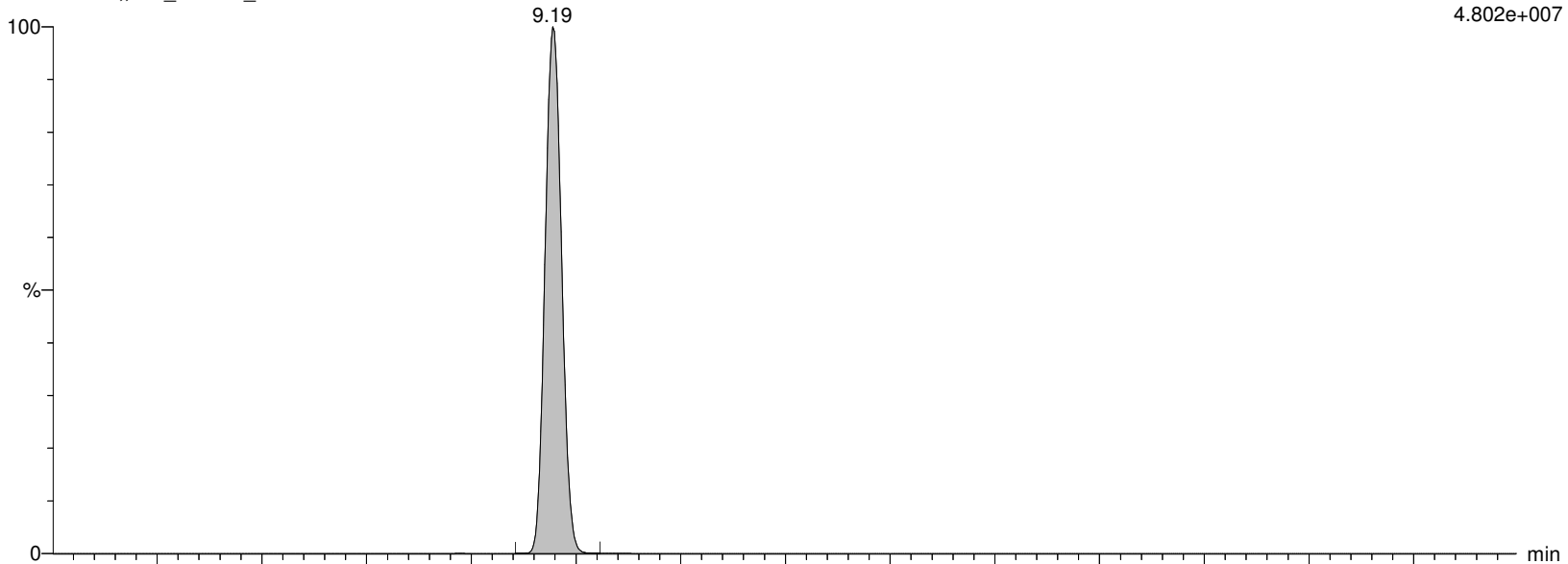
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

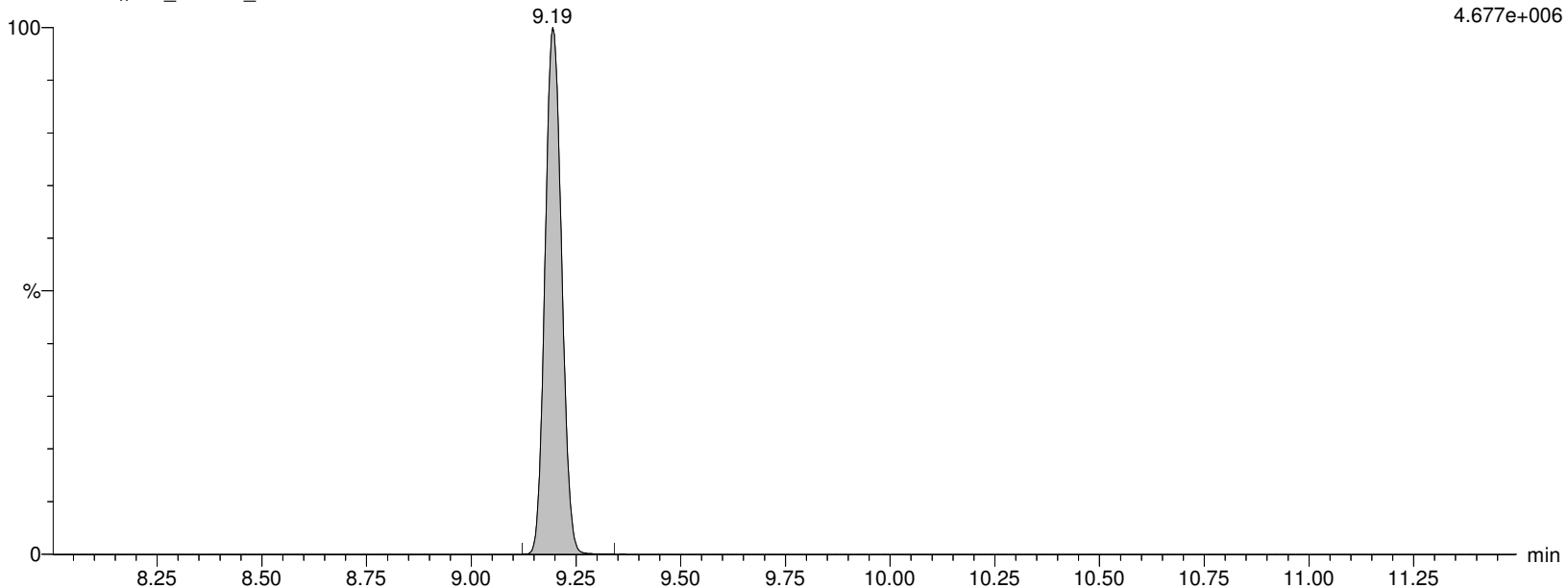
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250



I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

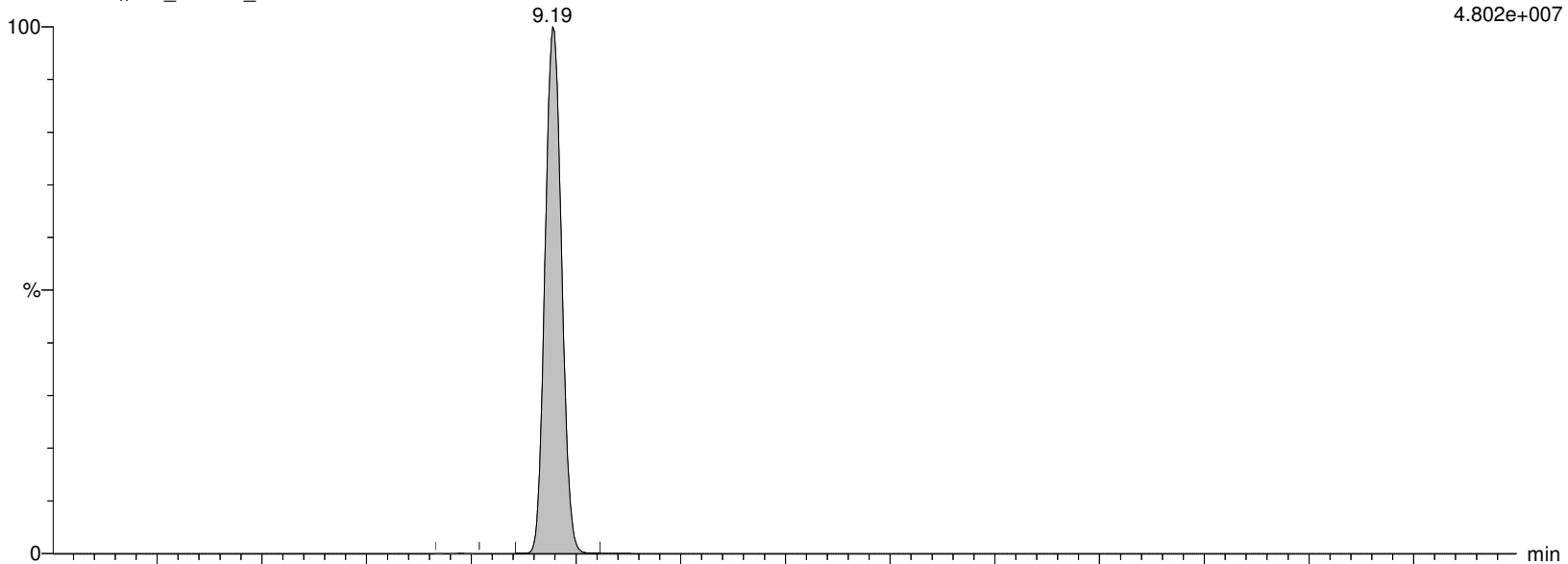
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F20:MRM of 2 channels,ES-

412.989 > 368.9

4.802e+007



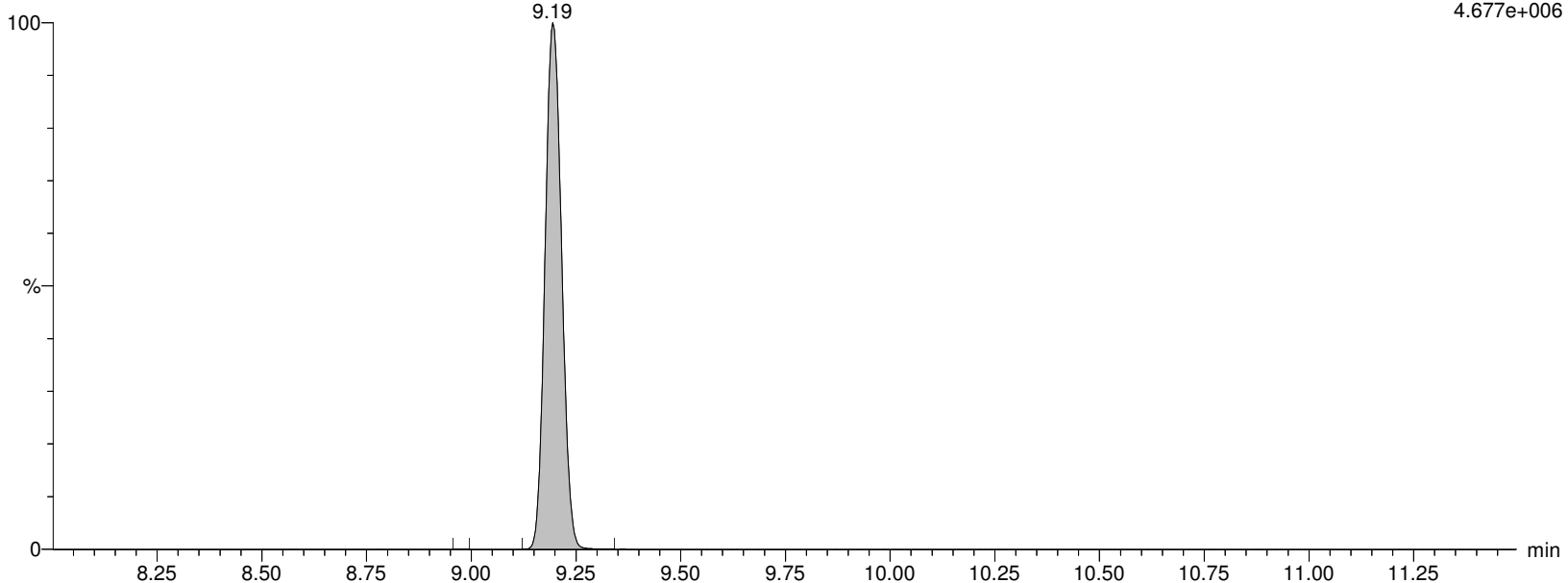
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F20:MRM of 2 channels,ES-

412.989 > 219.08

4.677e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

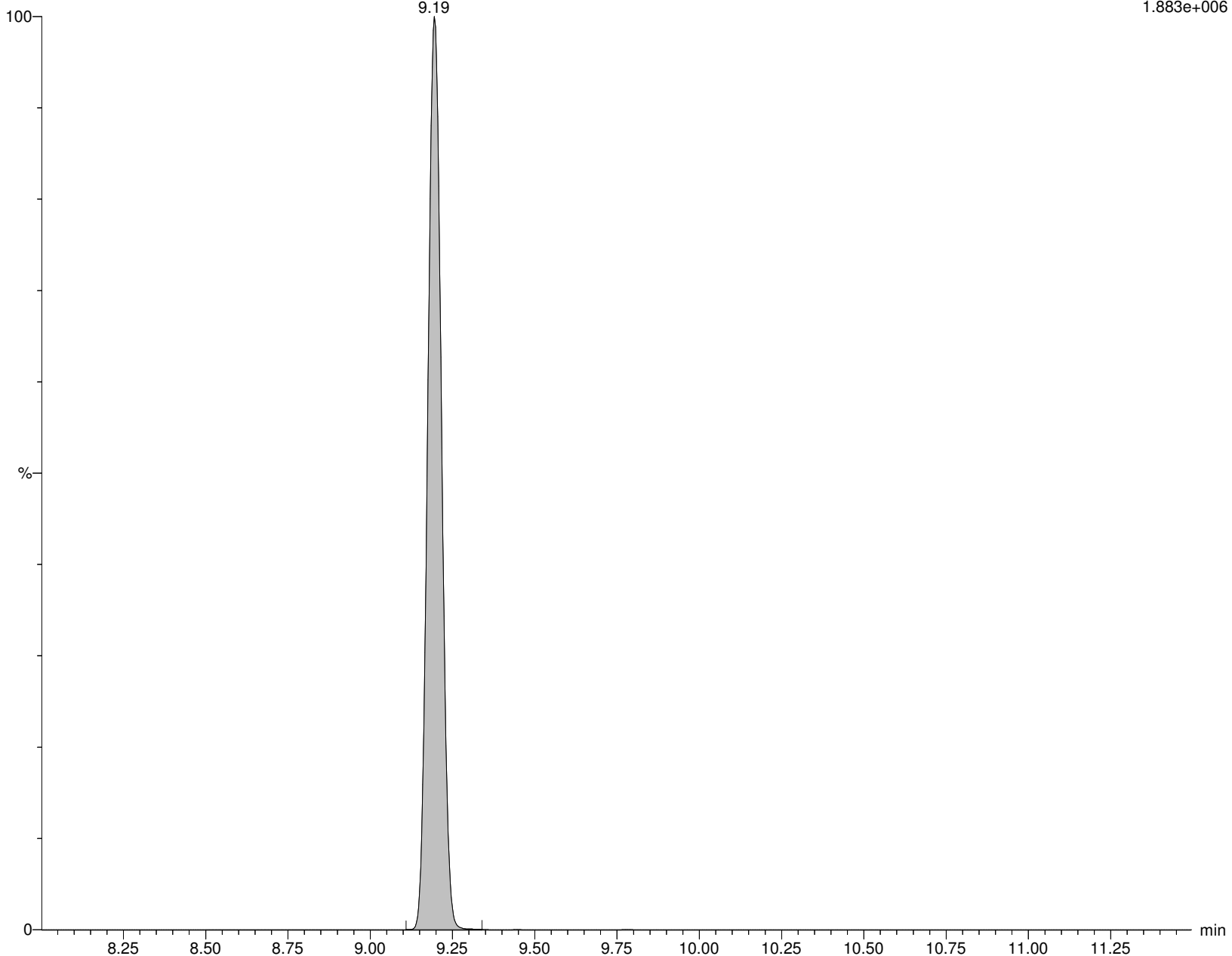
M8PFOA

9.19

F22:MRM of 1 channel,ES-

420.989 > 375.979

1.883e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

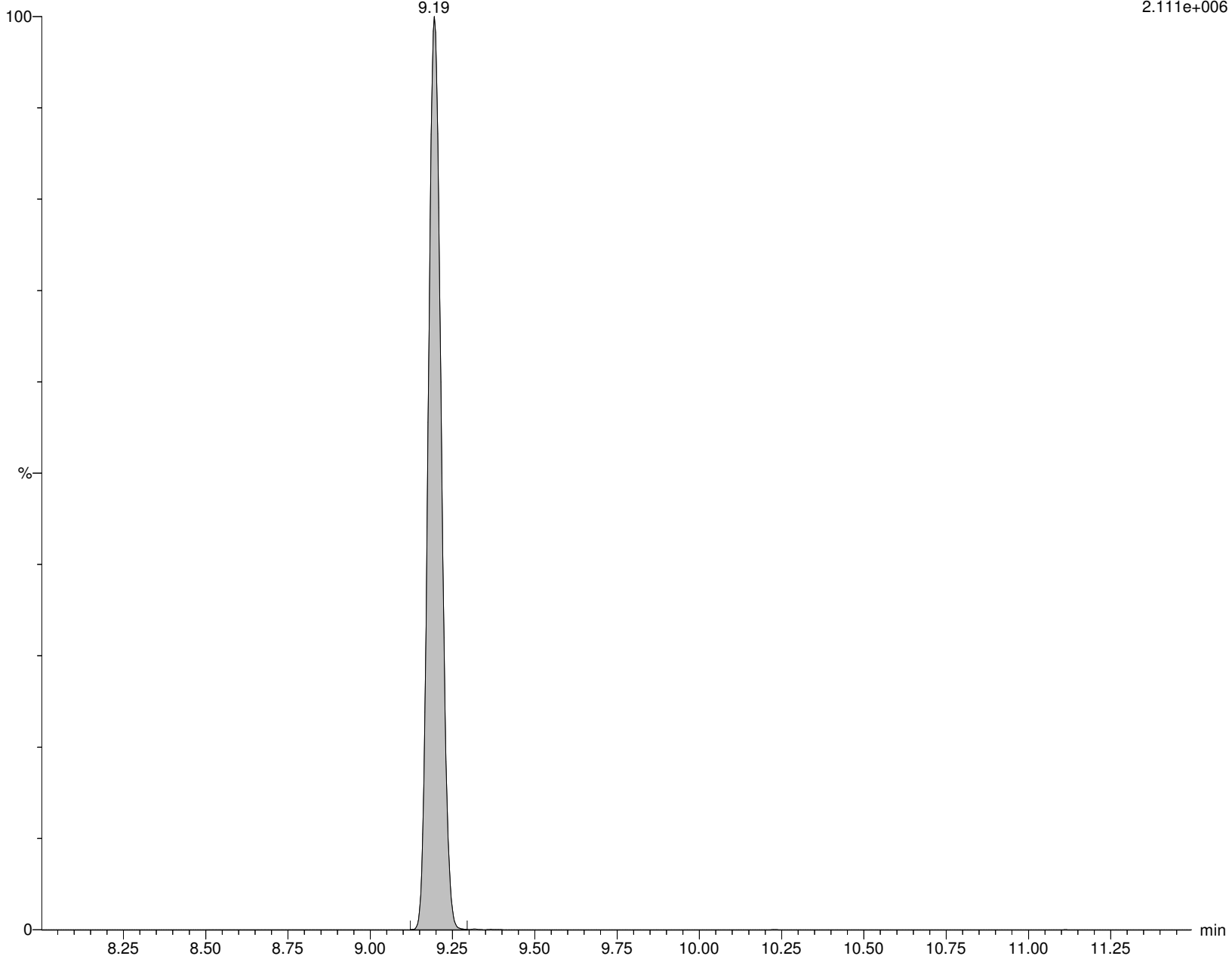
M2PFOA

9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.111e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

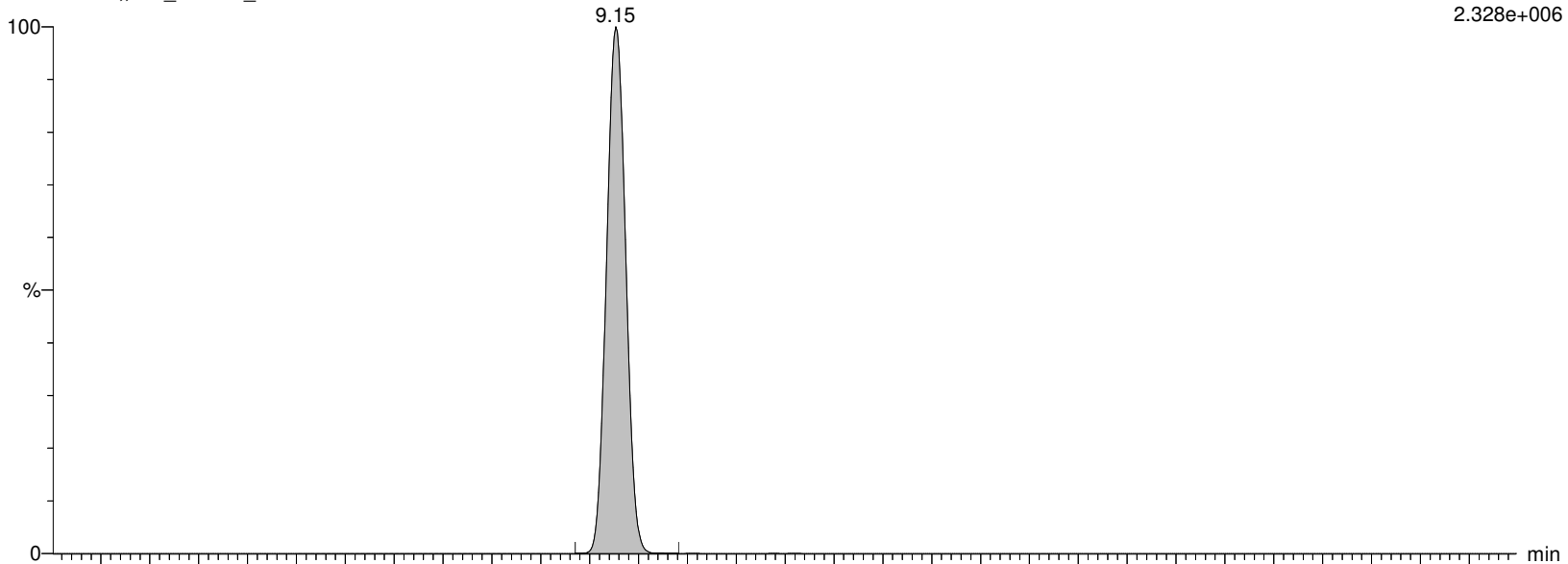
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F23:MRM of 3 channels,ES-

426.989 > 406.921

2.328e+006



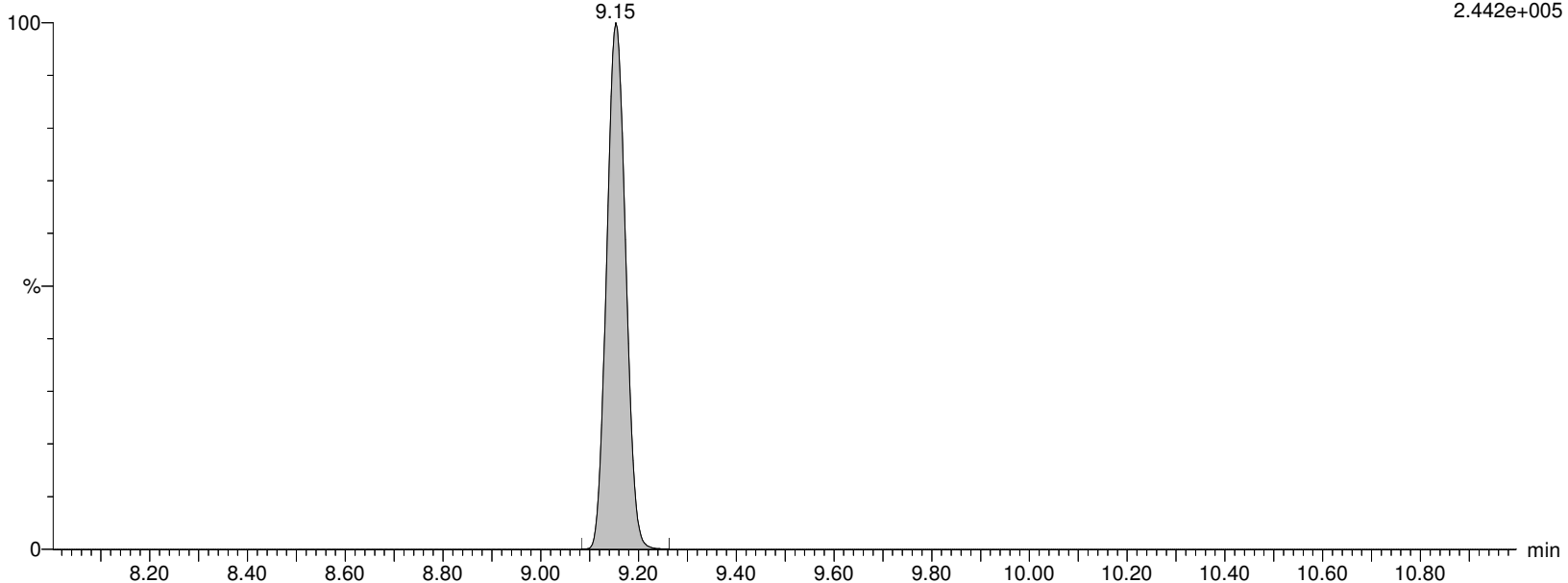
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F23:MRM of 3 channels,ES-

426.862 > 80.5

2.442e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

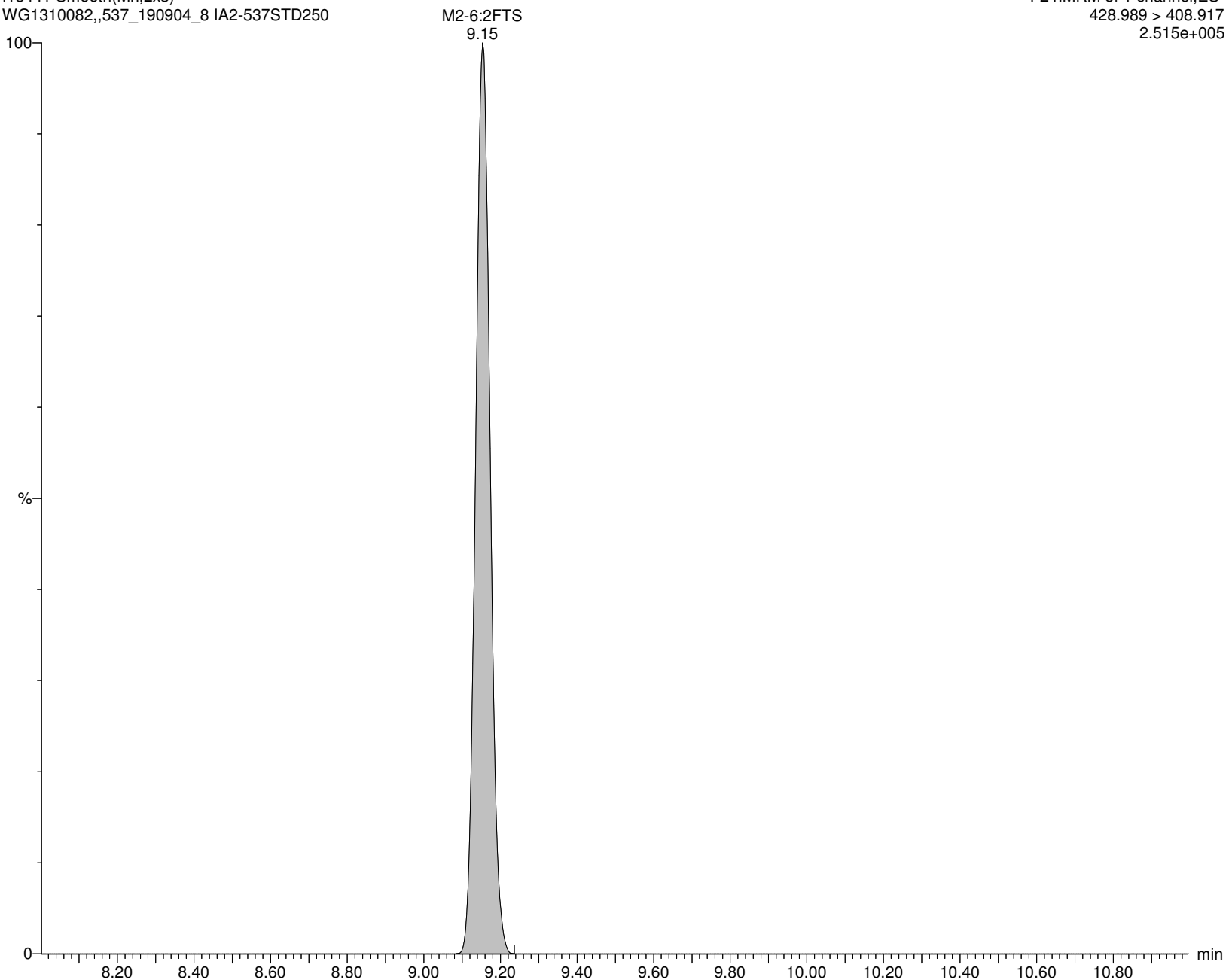
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F24:MRM of 1 channel,ES-

428.989 > 408.917

2.515e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

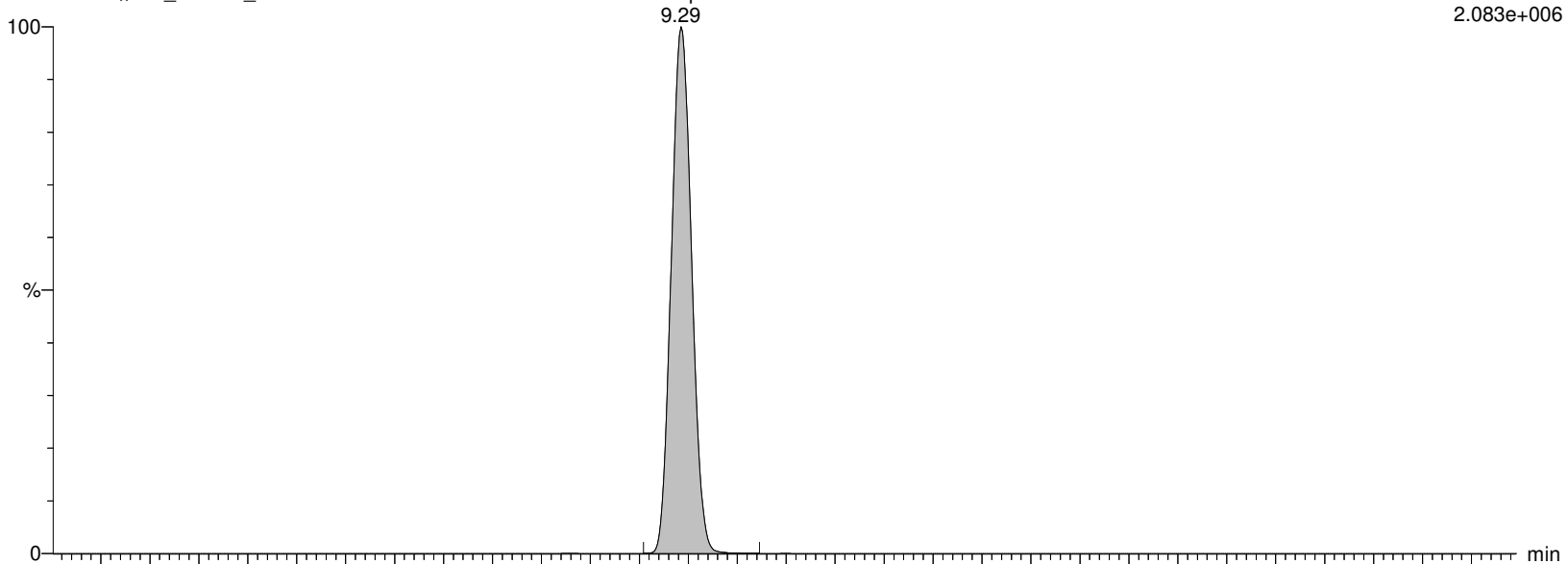
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F25:MRM of 2 channels,ES-

448.926 > 80.257

2.083e+006



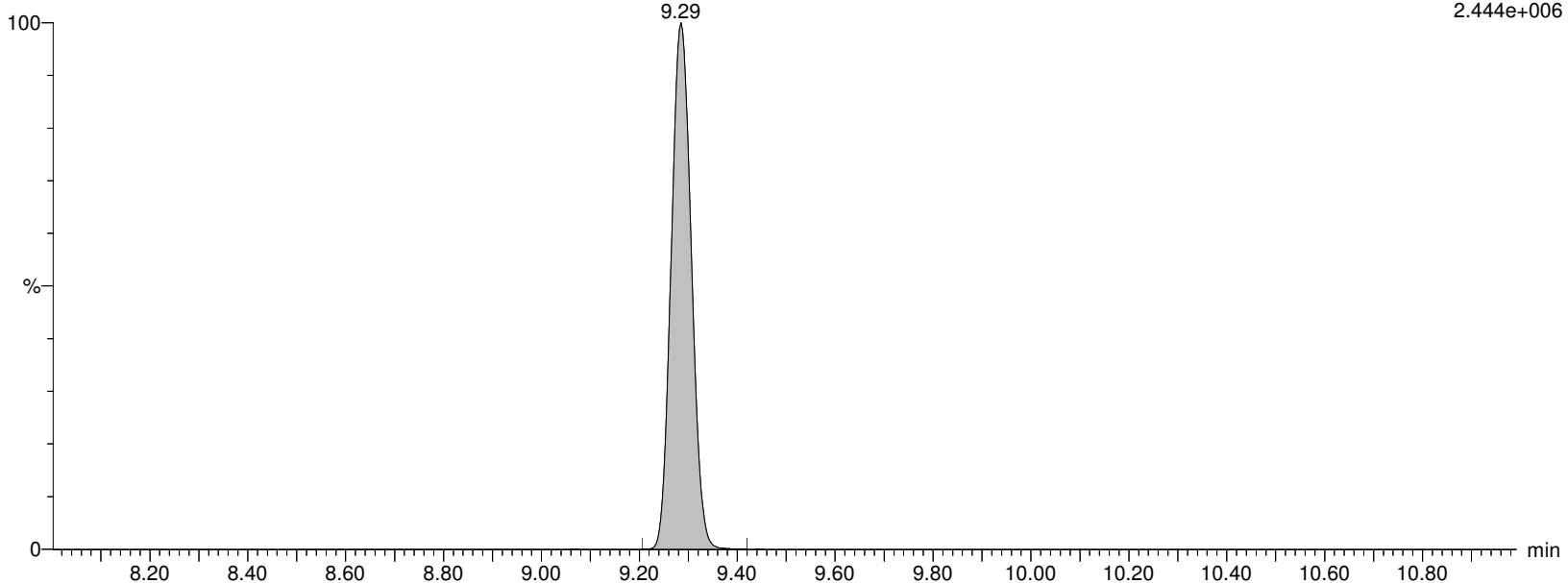
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F25:MRM of 2 channels,ES-

448.926 > 99.22

2.444e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

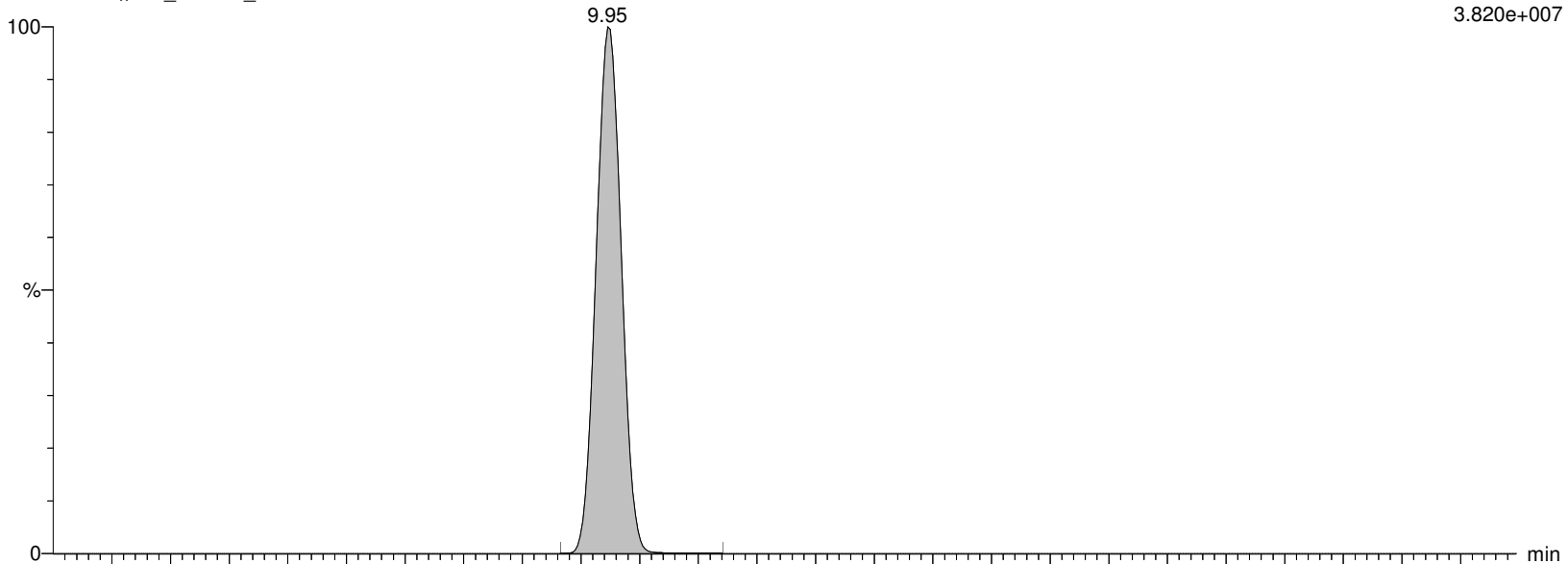
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250



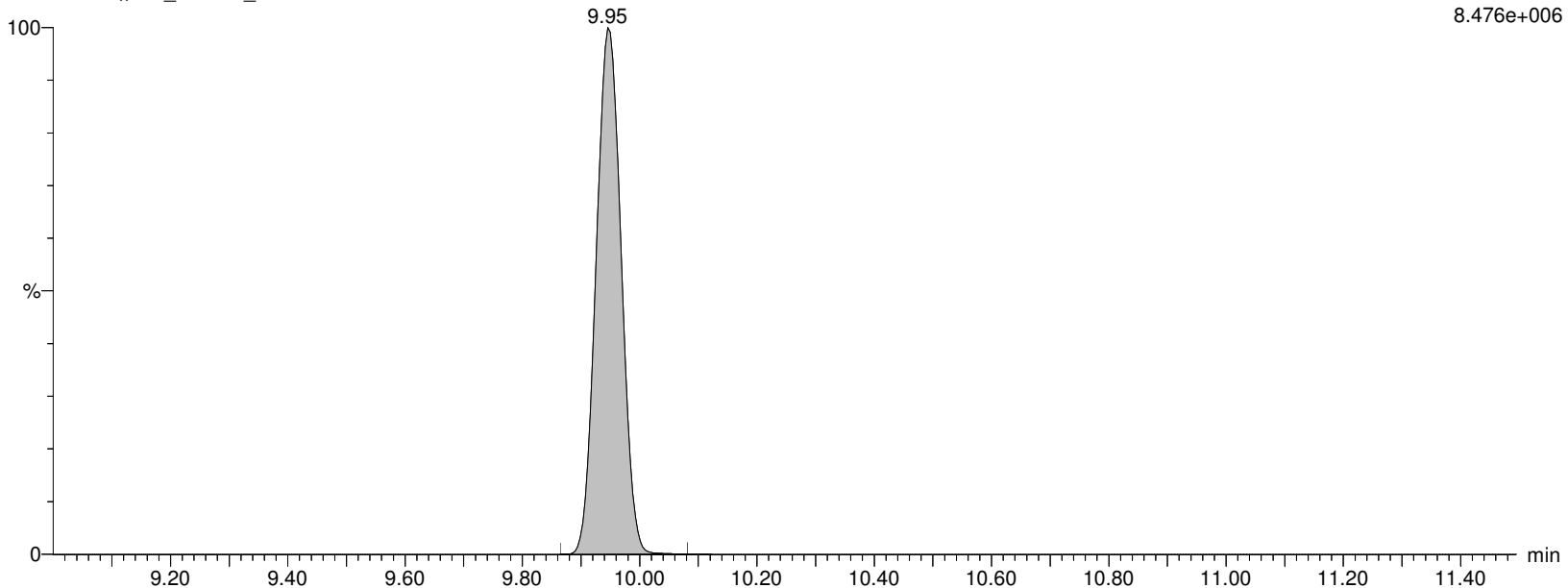
F26:MRM of 2 channels,ES-

462.989 > 418.931

3.820e+007

I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250



F26:MRM of 2 channels,ES-

462.989 > 219.04

8.476e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

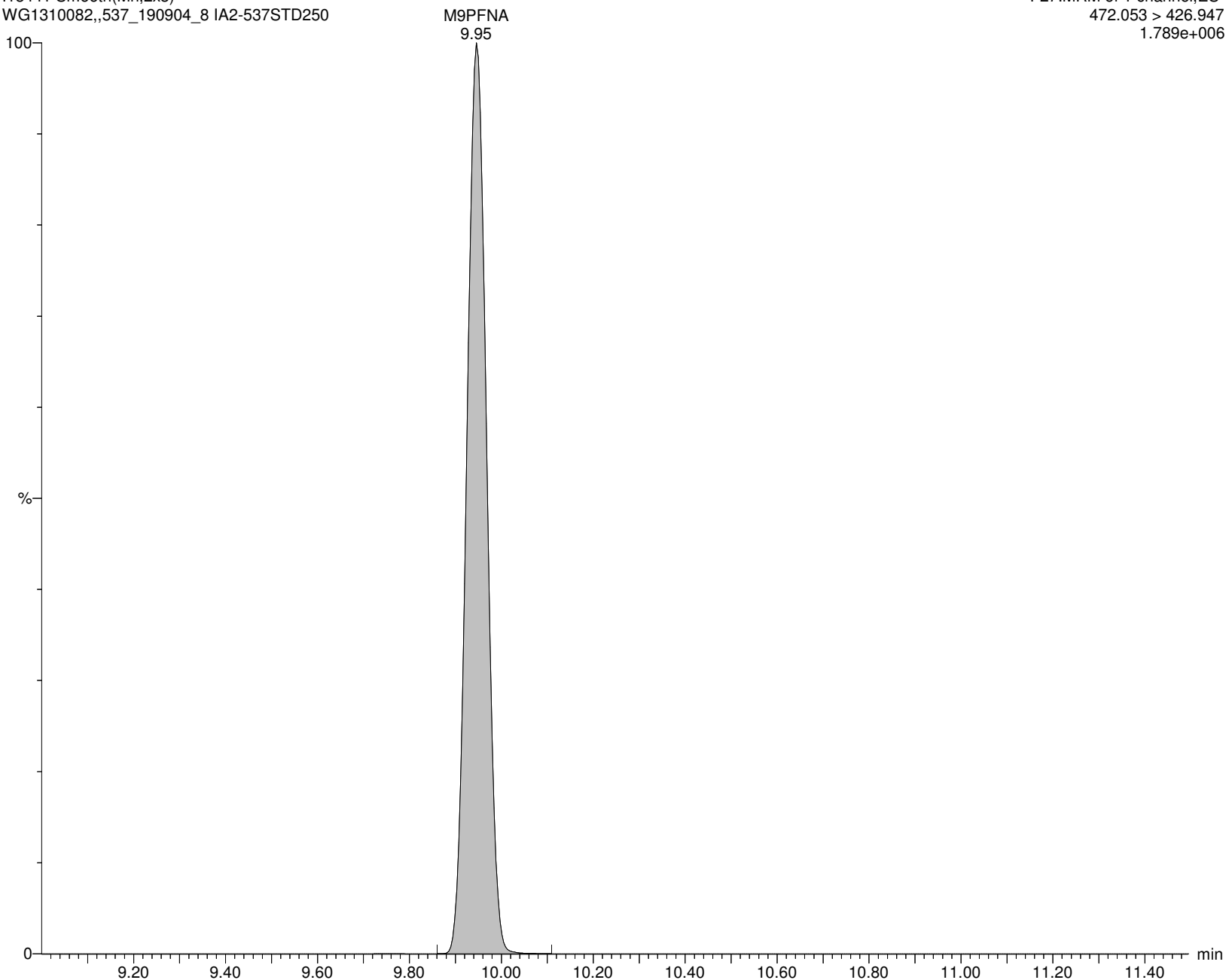
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F27:MRM of 1 channel,ES-

472.053 > 426.947

1.789e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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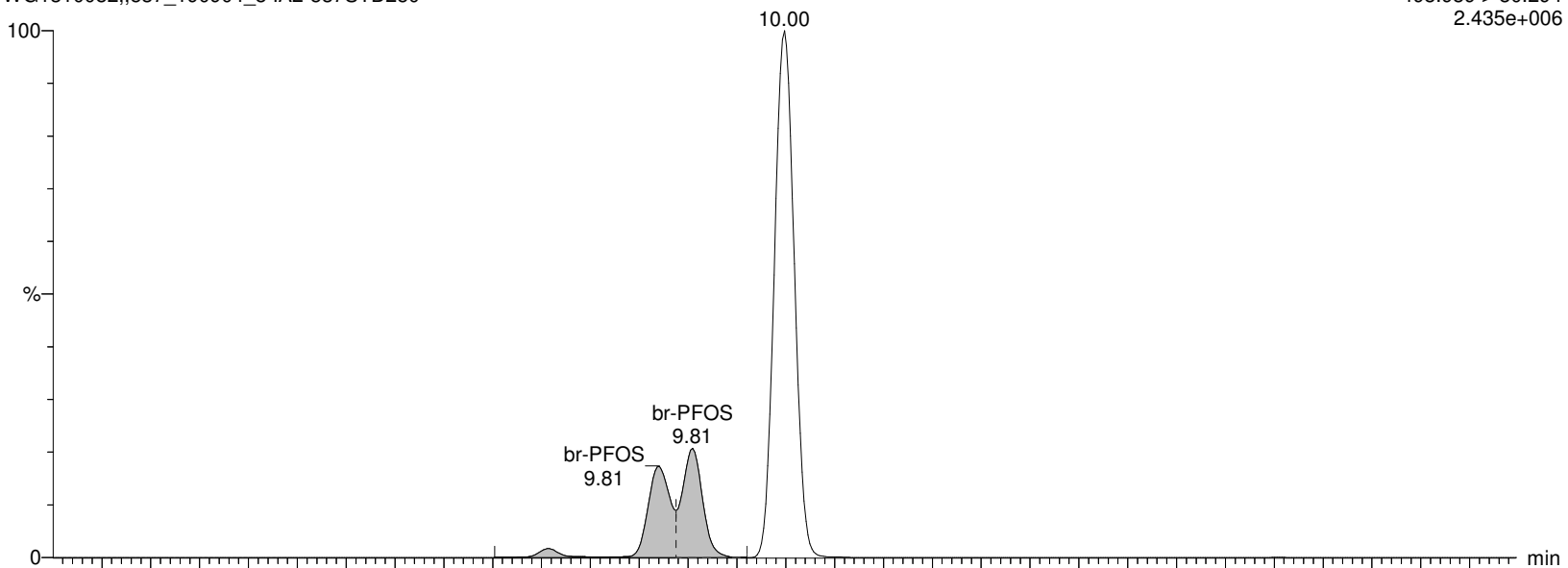
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 80.294

2.435e+006



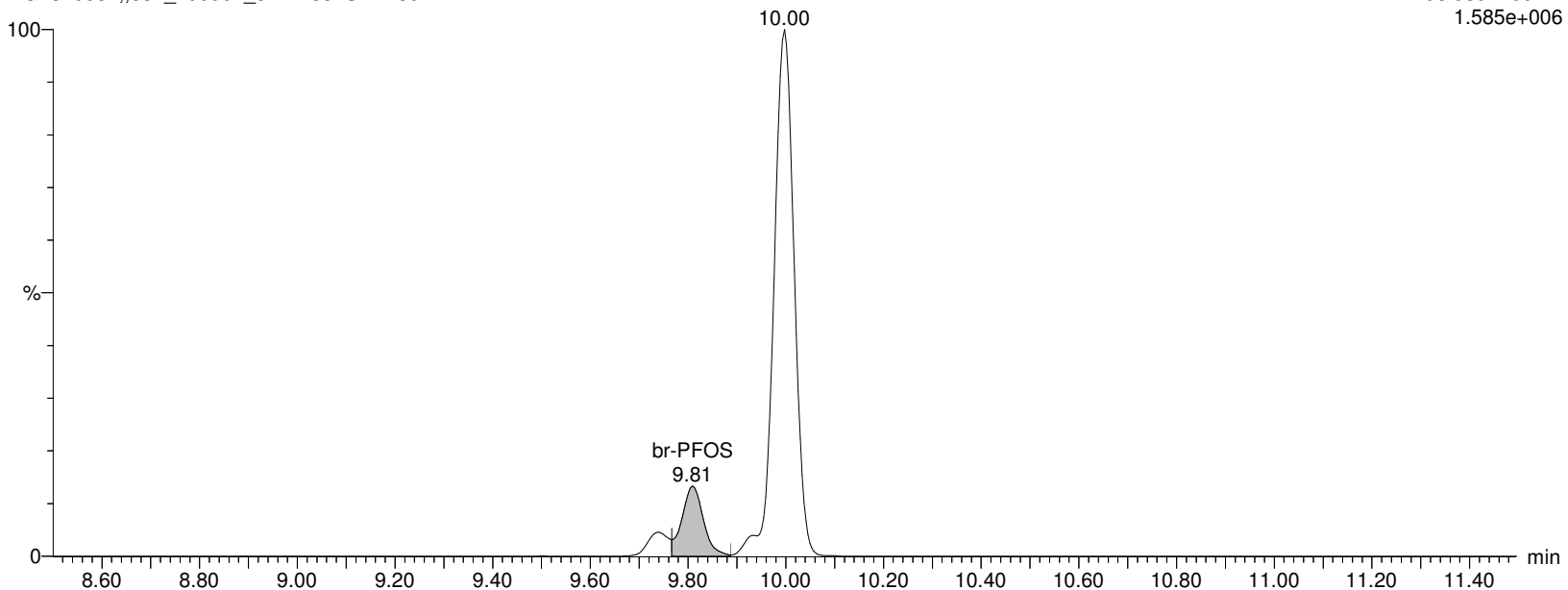
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.585e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

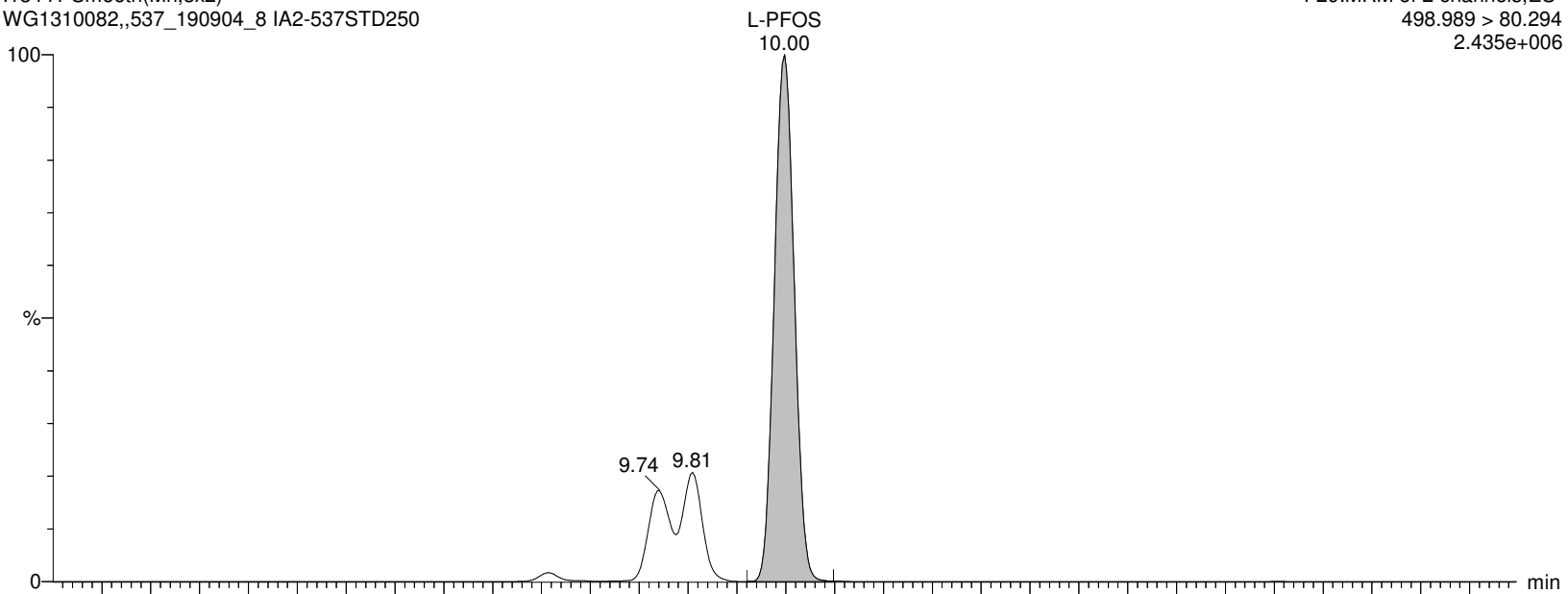
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 80.294

2.435e+006



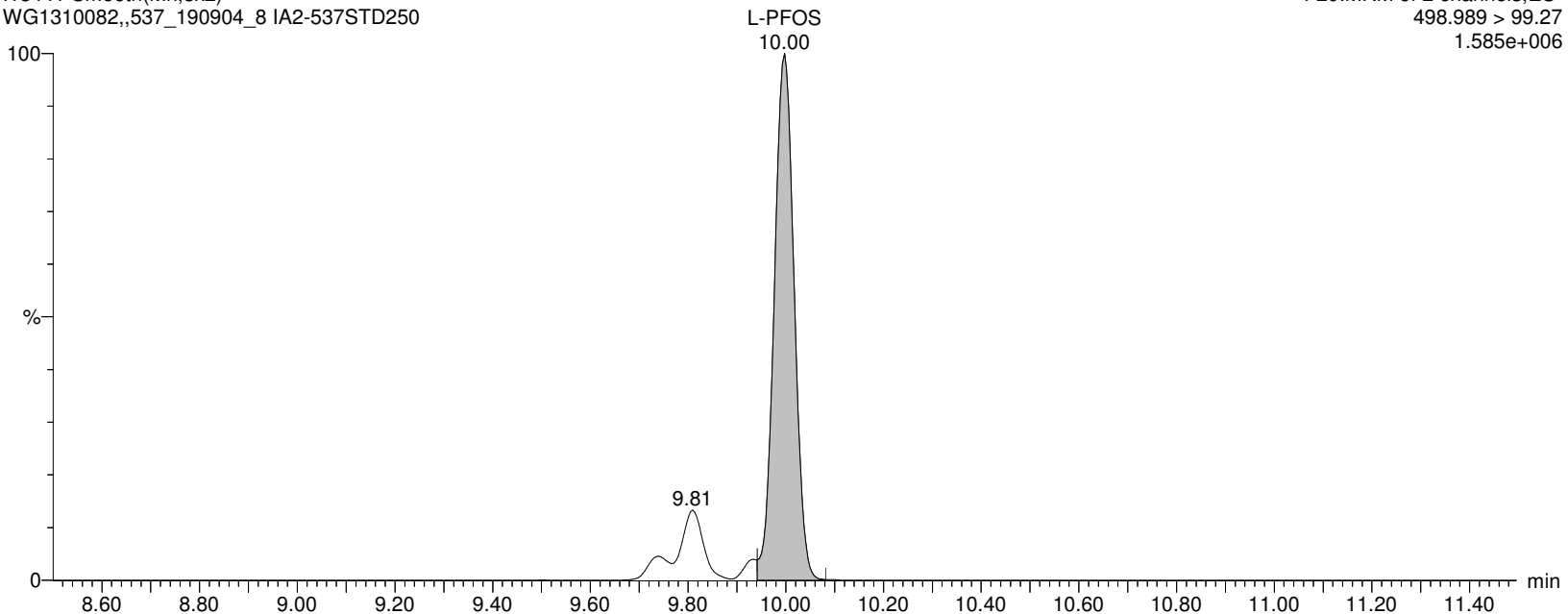
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.585e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

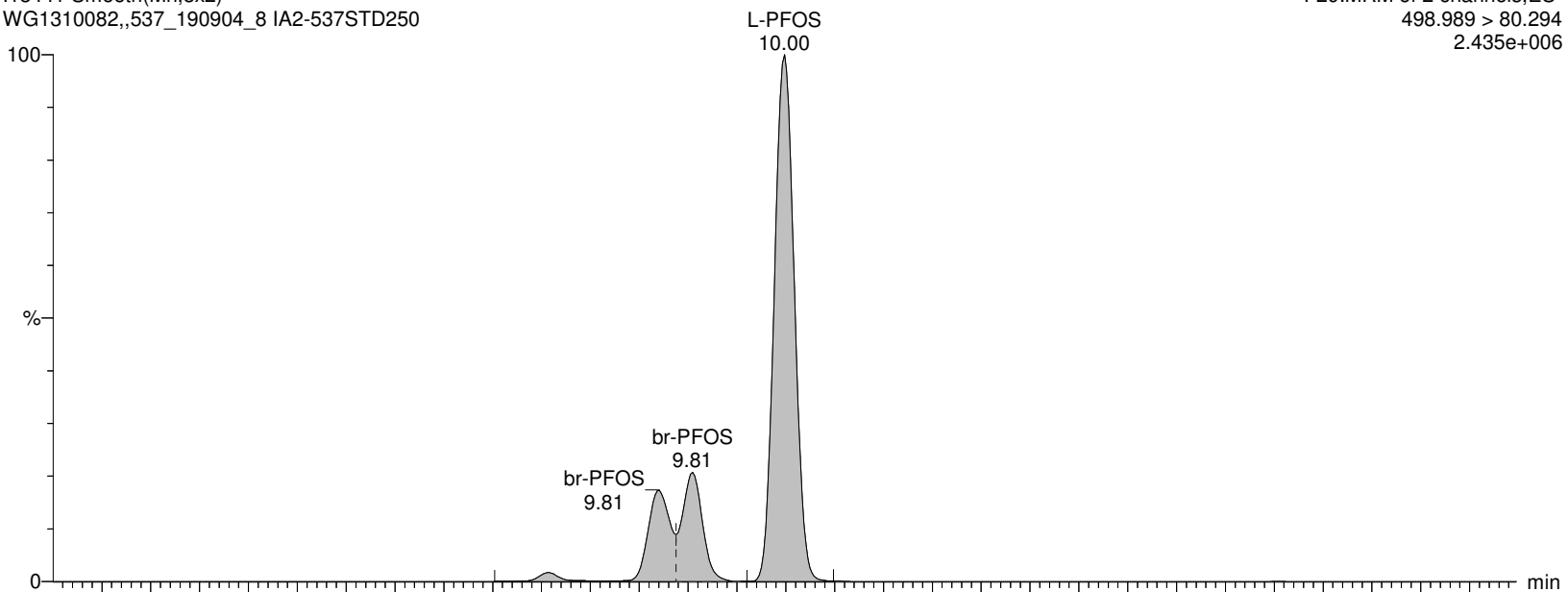
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 80.294

2.435e+006



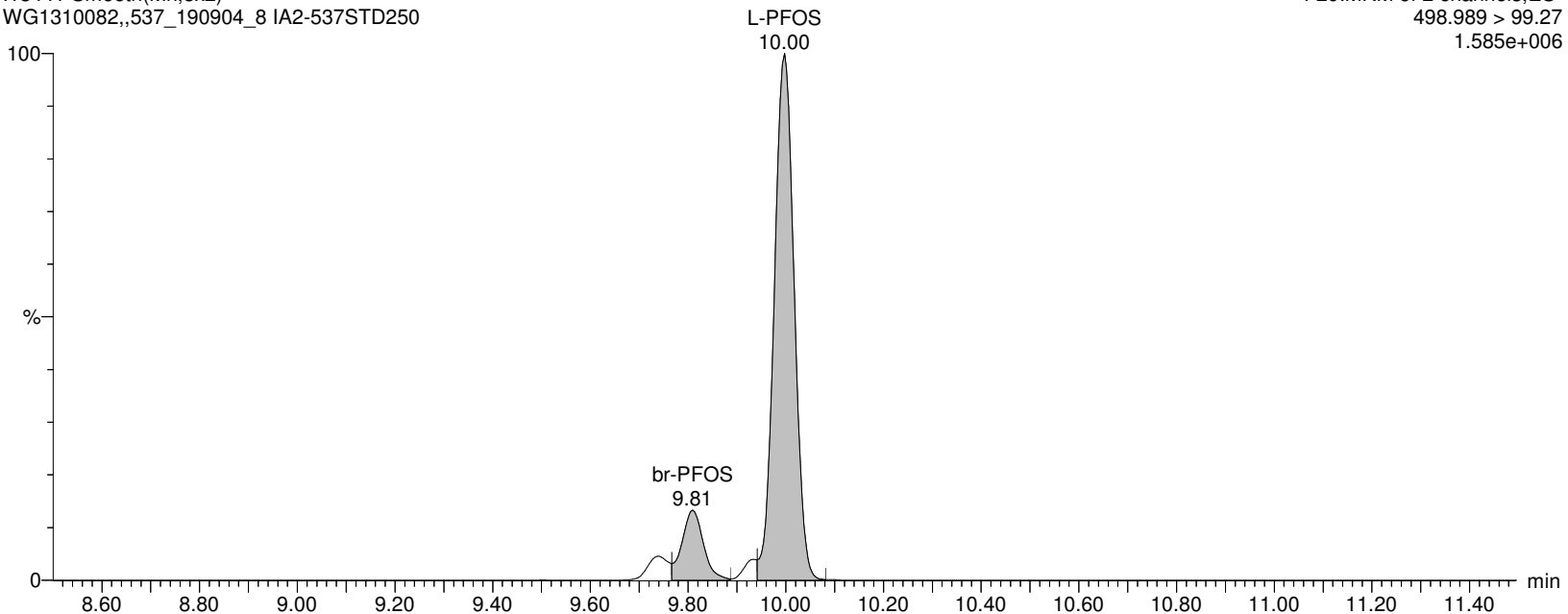
I13441 Smooth(Mn,3x2)

WG1310082,,537_190904_8 IA2-537STD250

F29:MRM of 2 channels,ES-

498.989 > 99.27

1.585e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

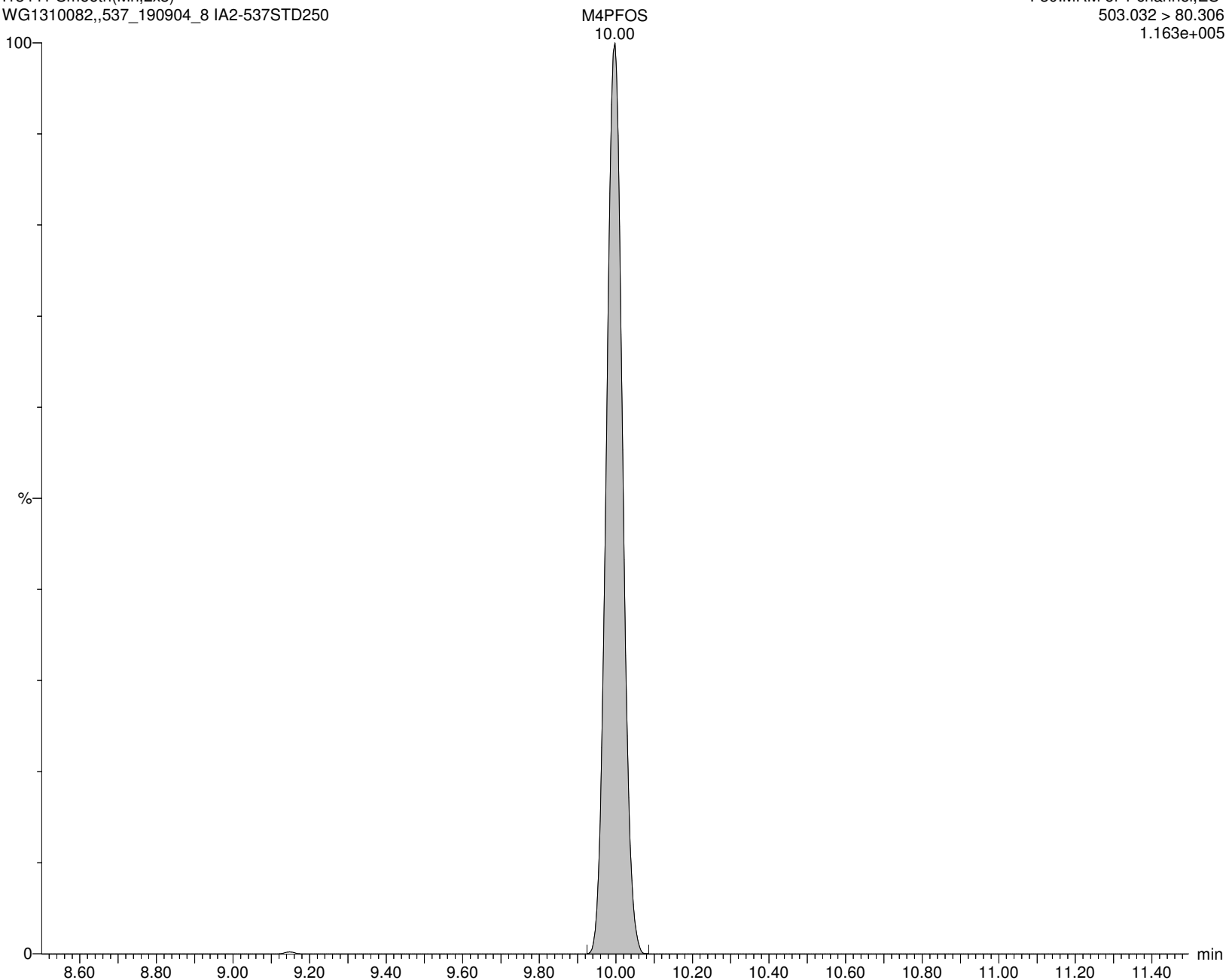
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.163e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

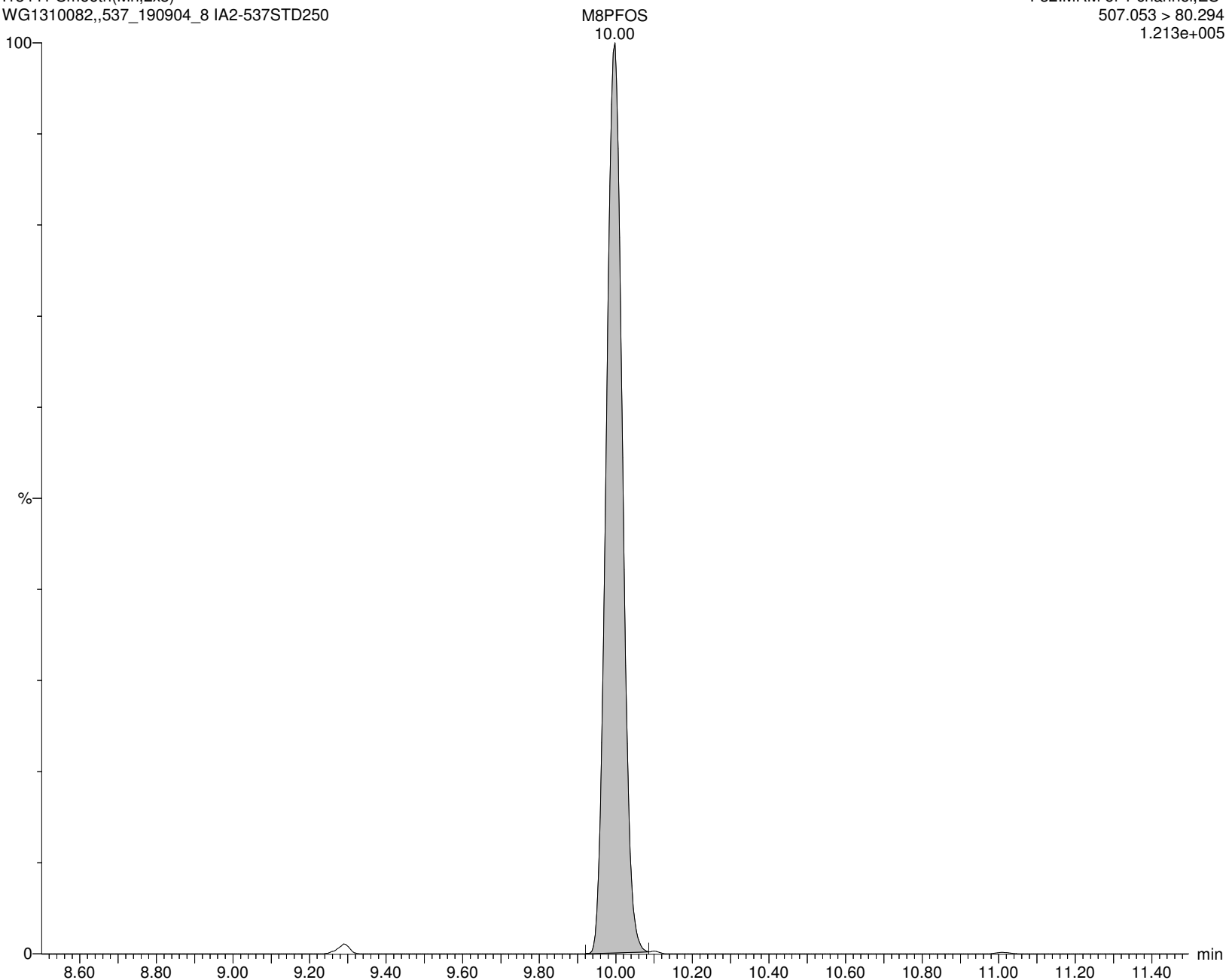
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.213e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

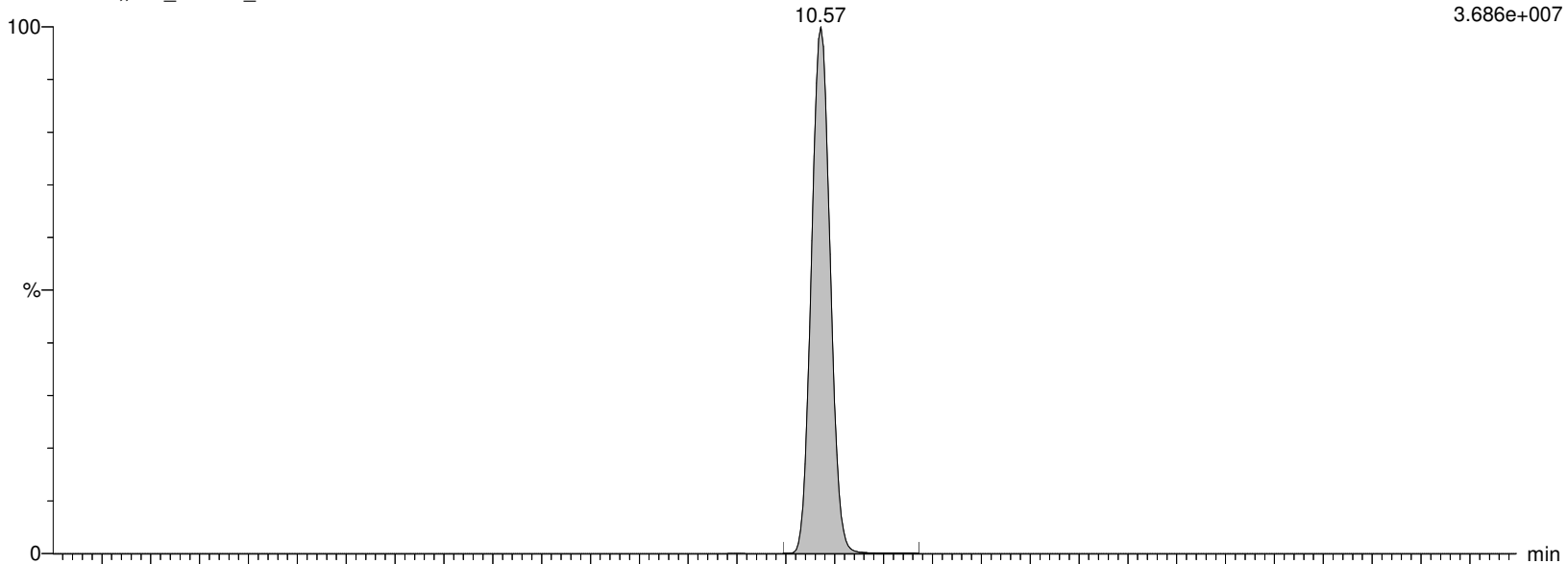
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F34:MRM of 2 channels,ES-

513.053 > 468.906

3.686e+007



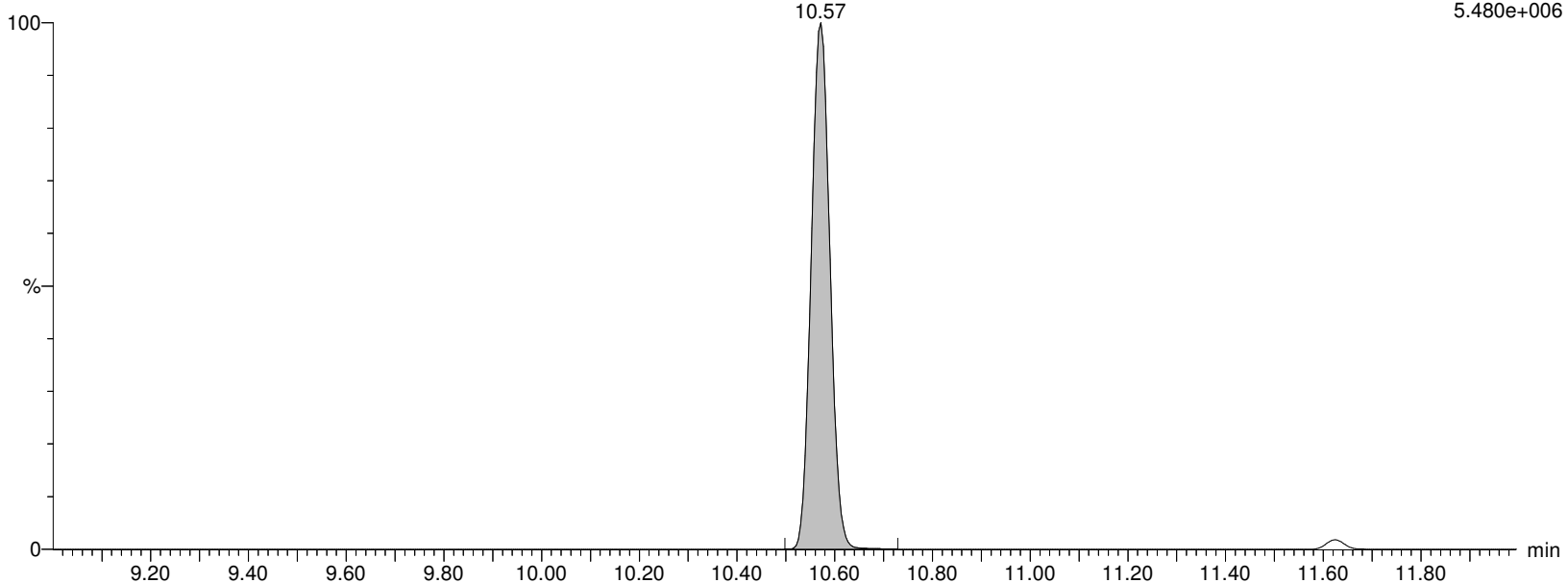
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F34:MRM of 2 channels,ES-

513.053 > 219.08

5.480e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

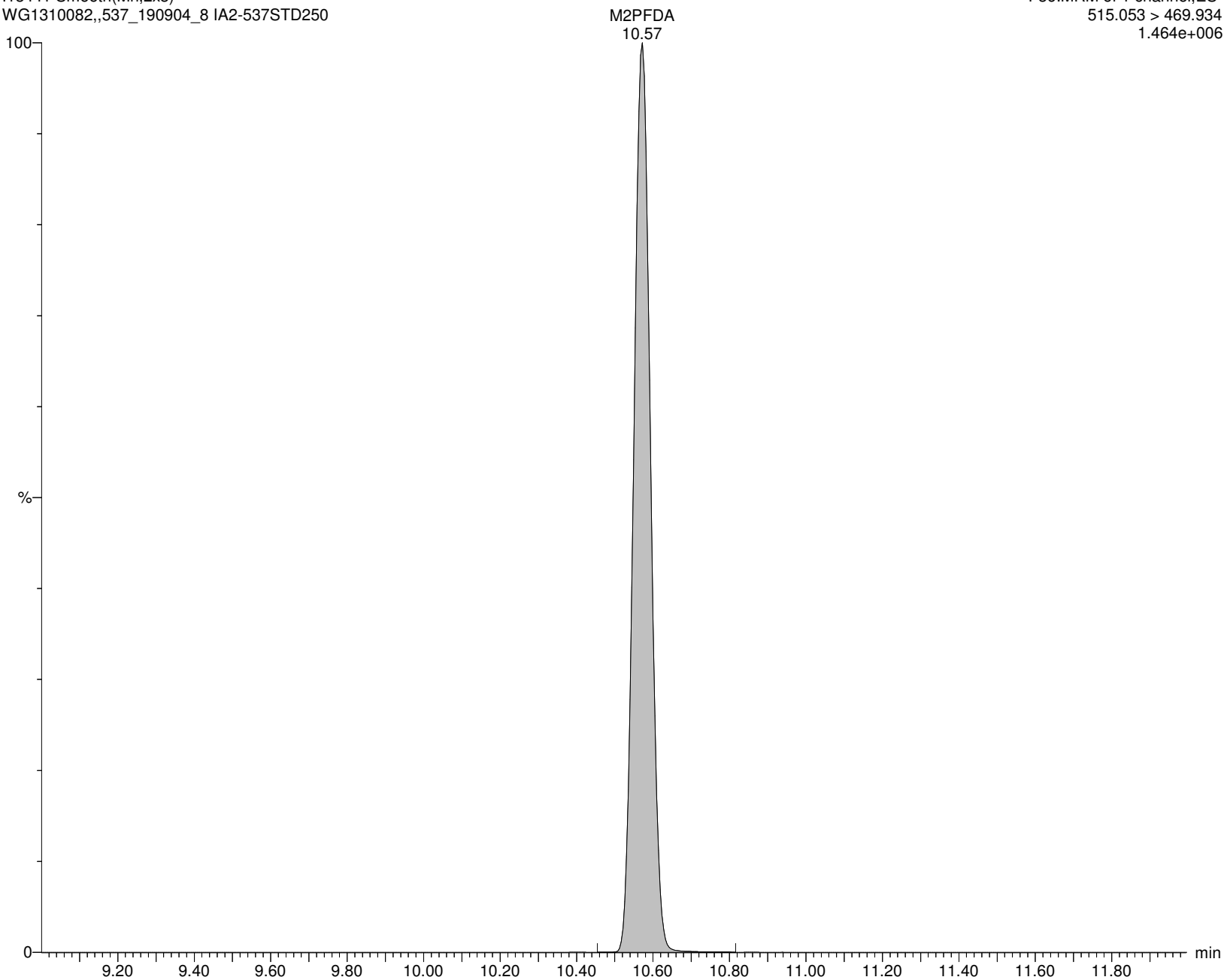
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F36:MRM of 1 channel,ES-

515.053 > 469.934

1.464e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

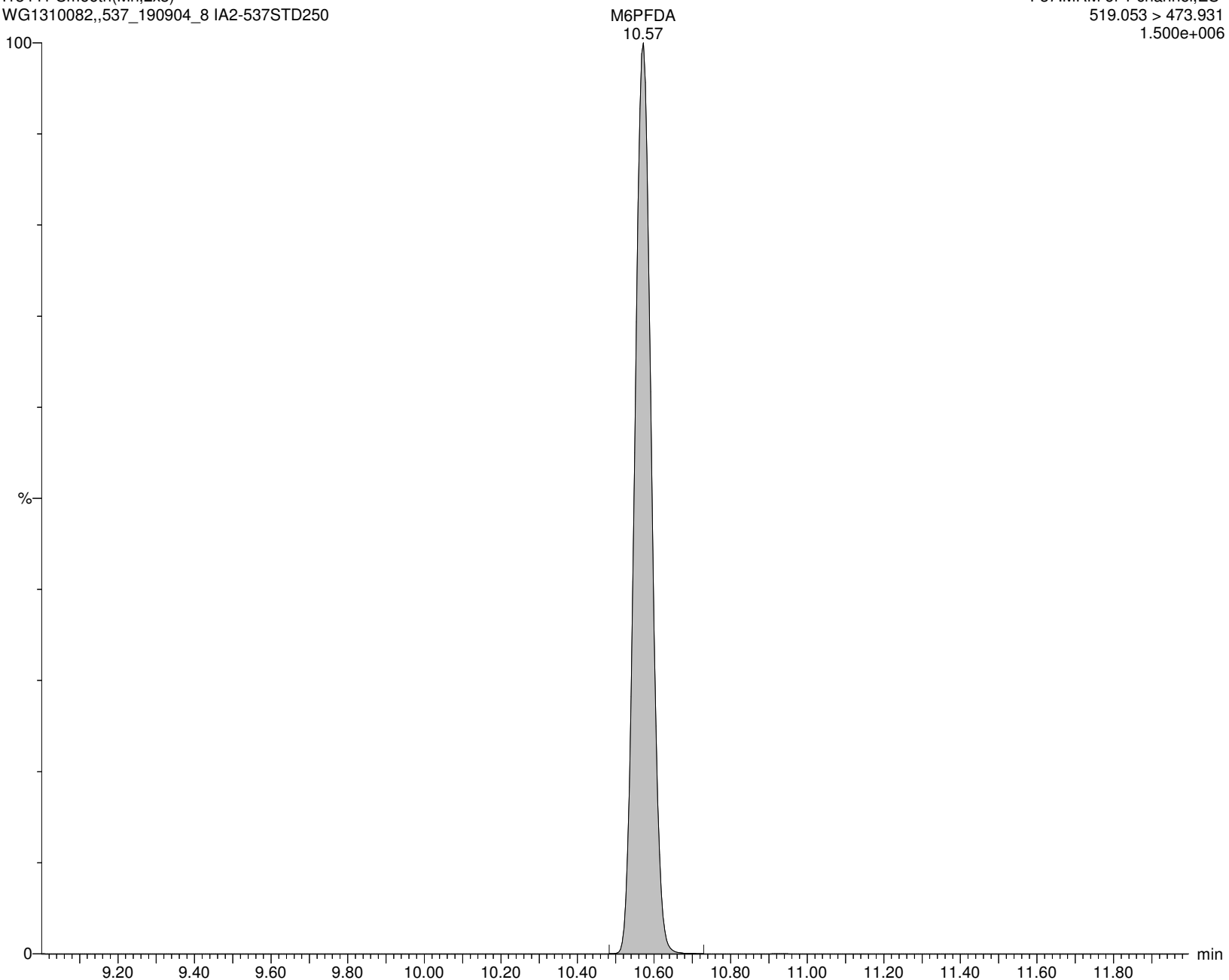
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F37:MRM of 1 channel,ES-

519.053 > 473.931

1.500e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

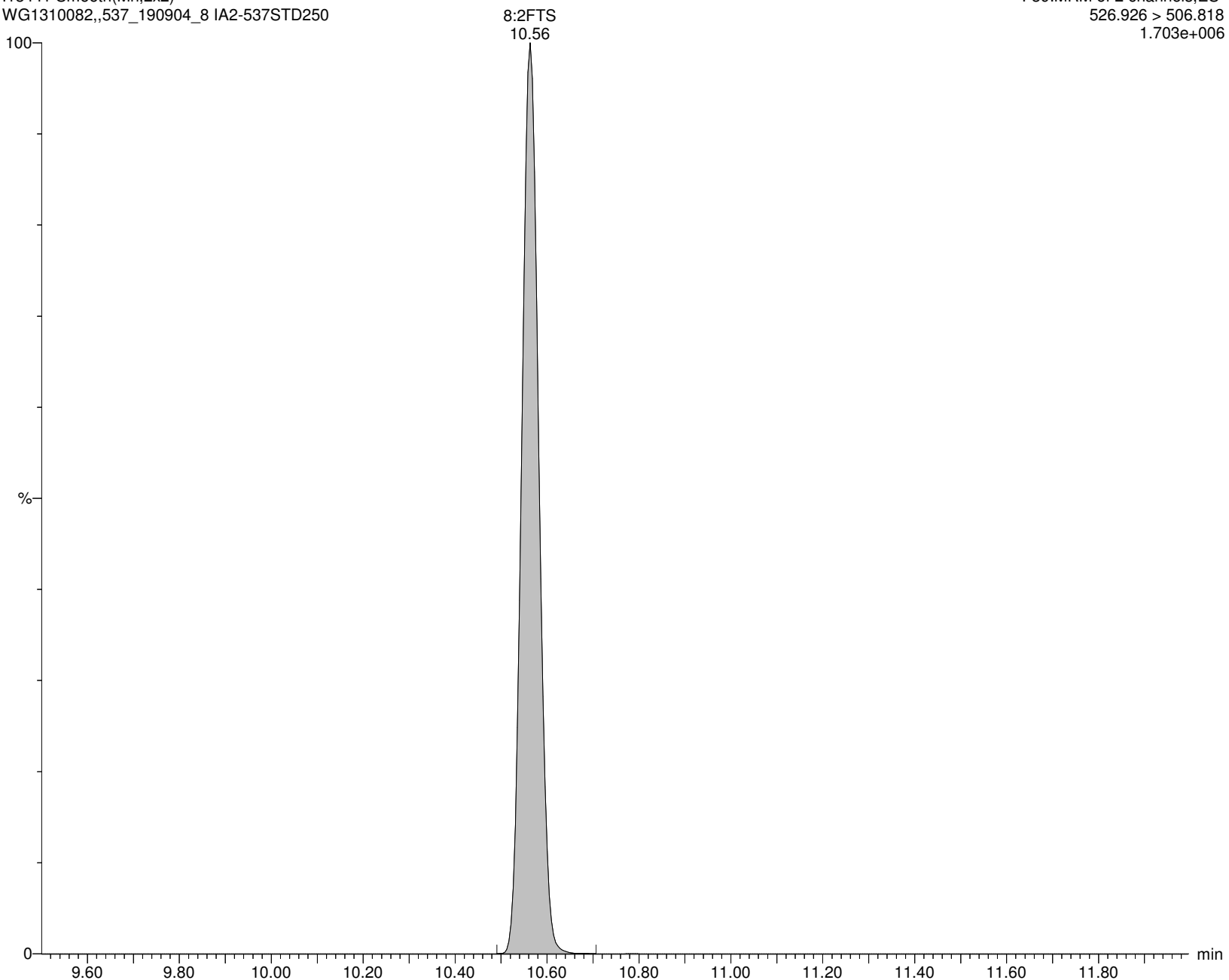
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F39:MRM of 2 channels,ES-

526.926 > 506.818

1.703e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-8:2FTS

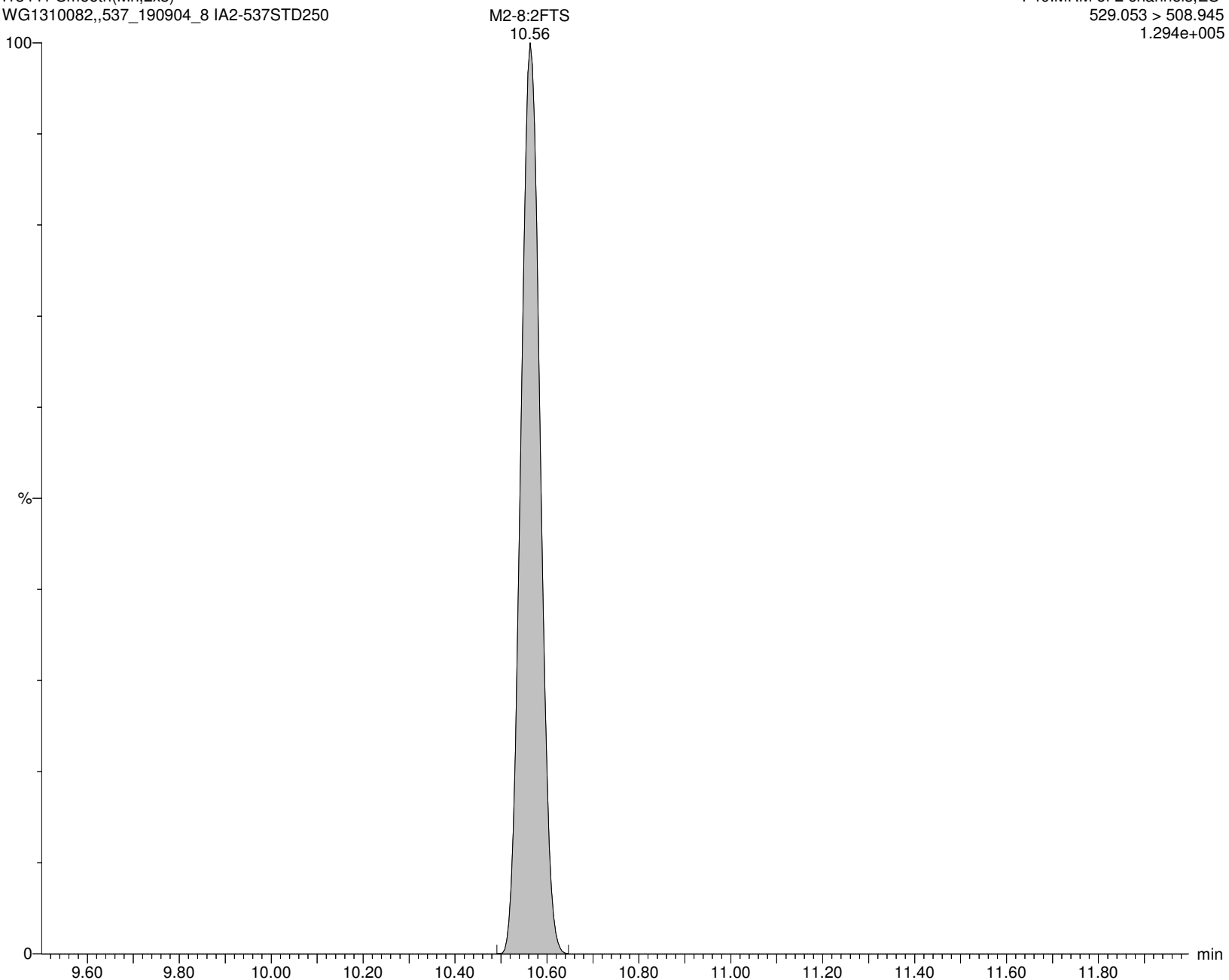
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F40:MRM of 2 channels,ES-

529.053 > 508.945

1.294e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

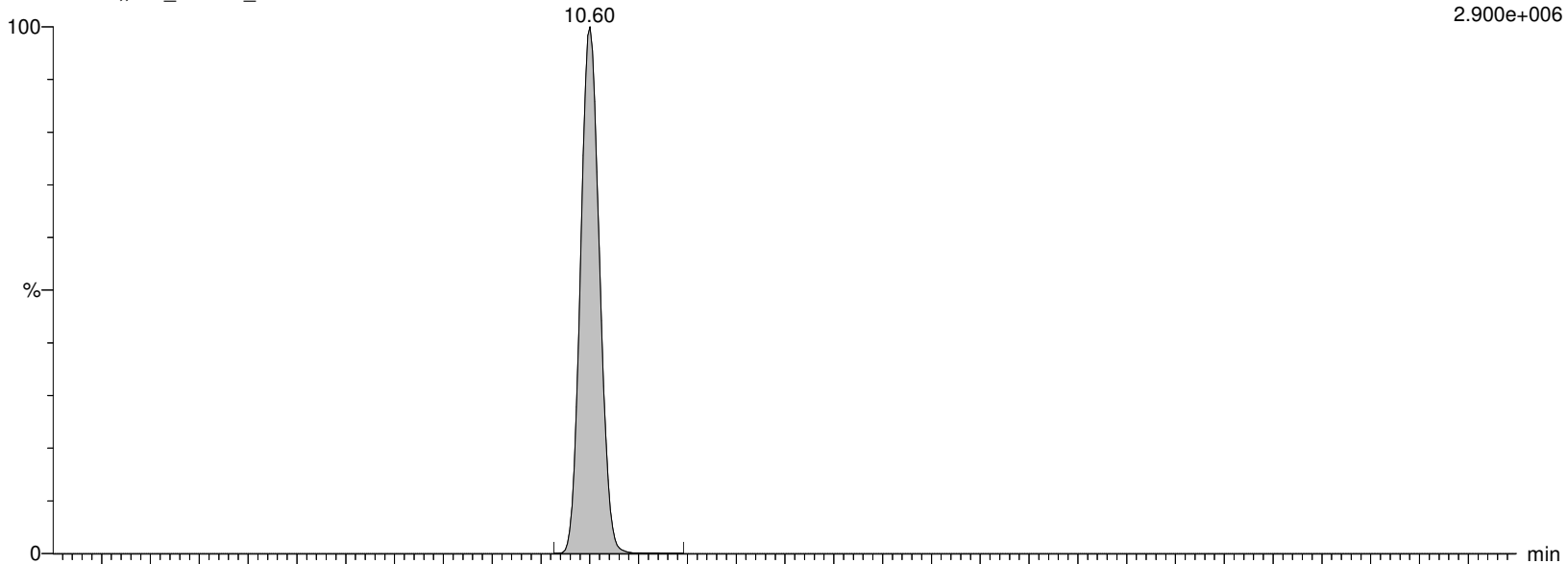
Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250



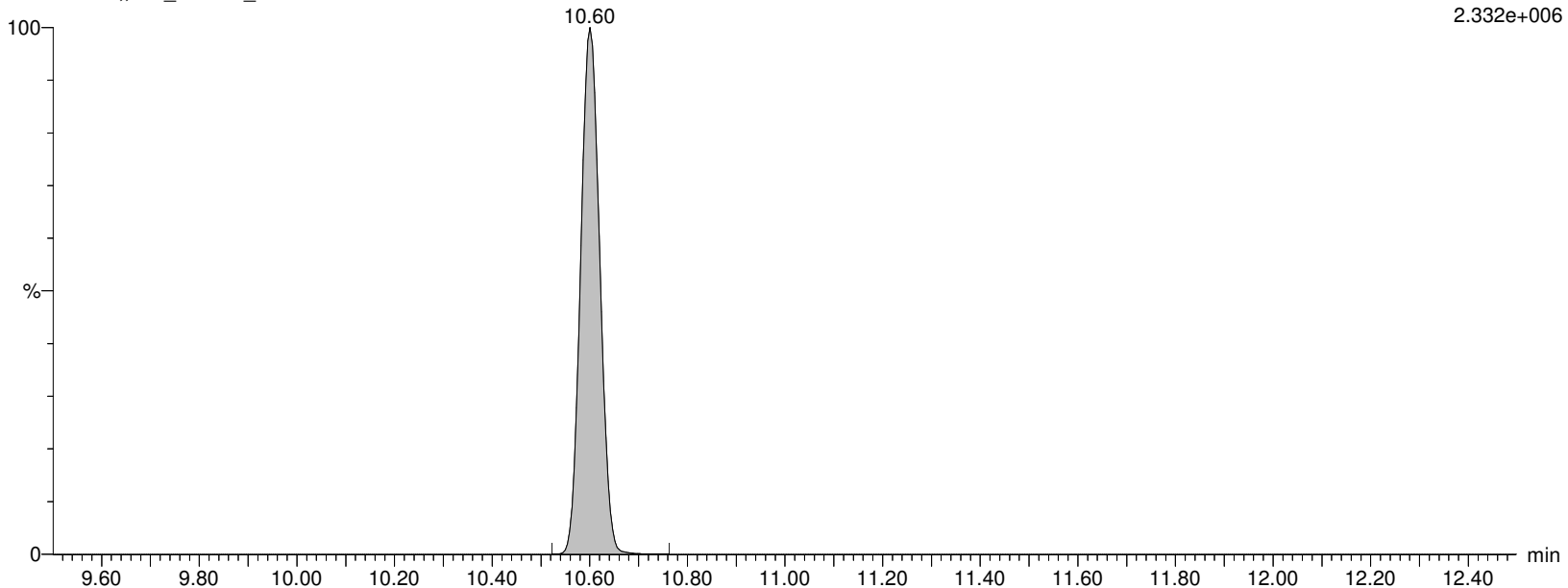
F43:MRM of 2 channels,ES-

548.989 > 80.249

2.900e+006

I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250



F43:MRM of 2 channels,ES-

548.989 > 99.22

2.332e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

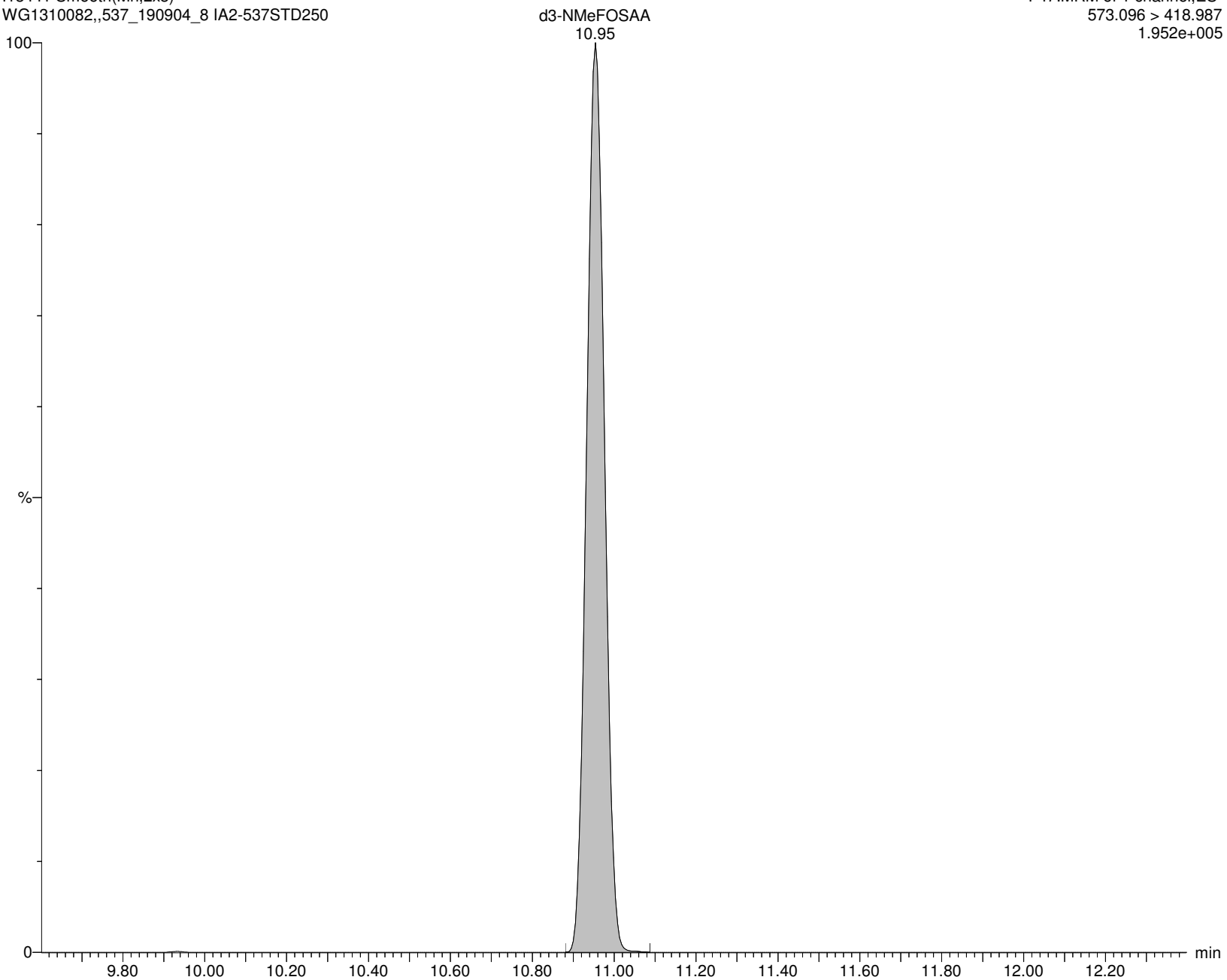
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F47:MRM of 1 channel,ES-

573.096 > 418.987

1.952e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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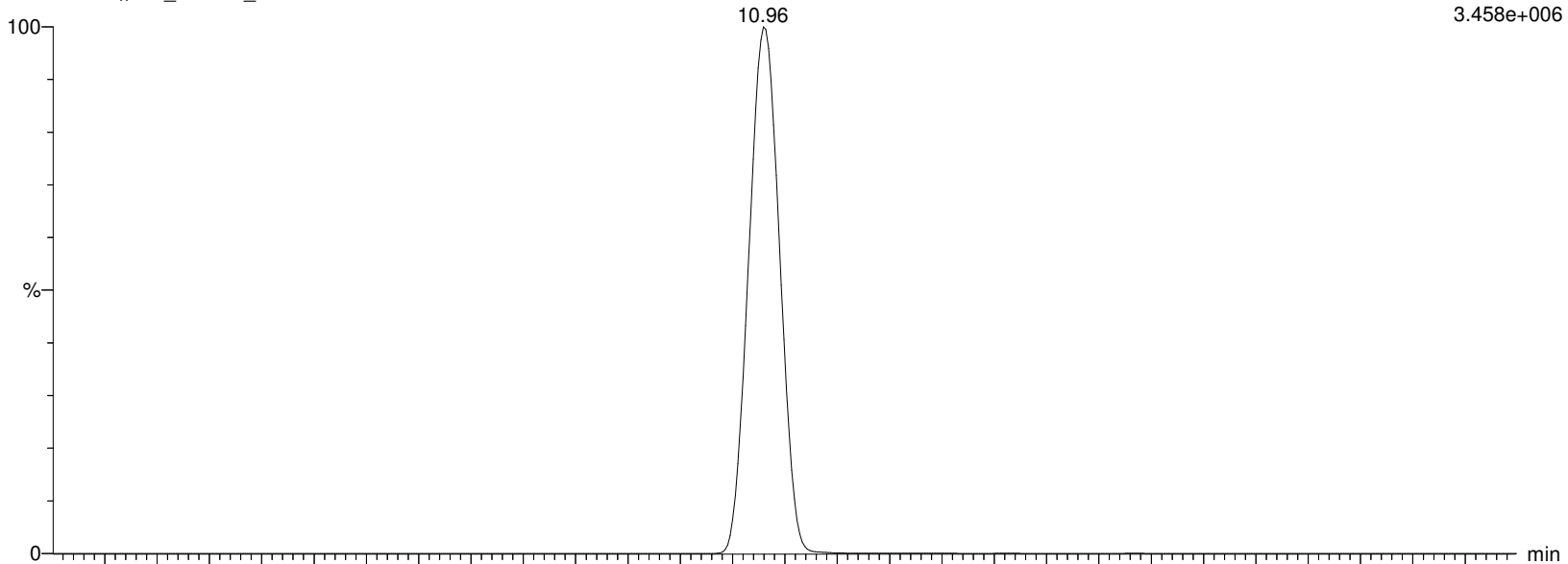
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

570.053 > 418.917

3.458e+006



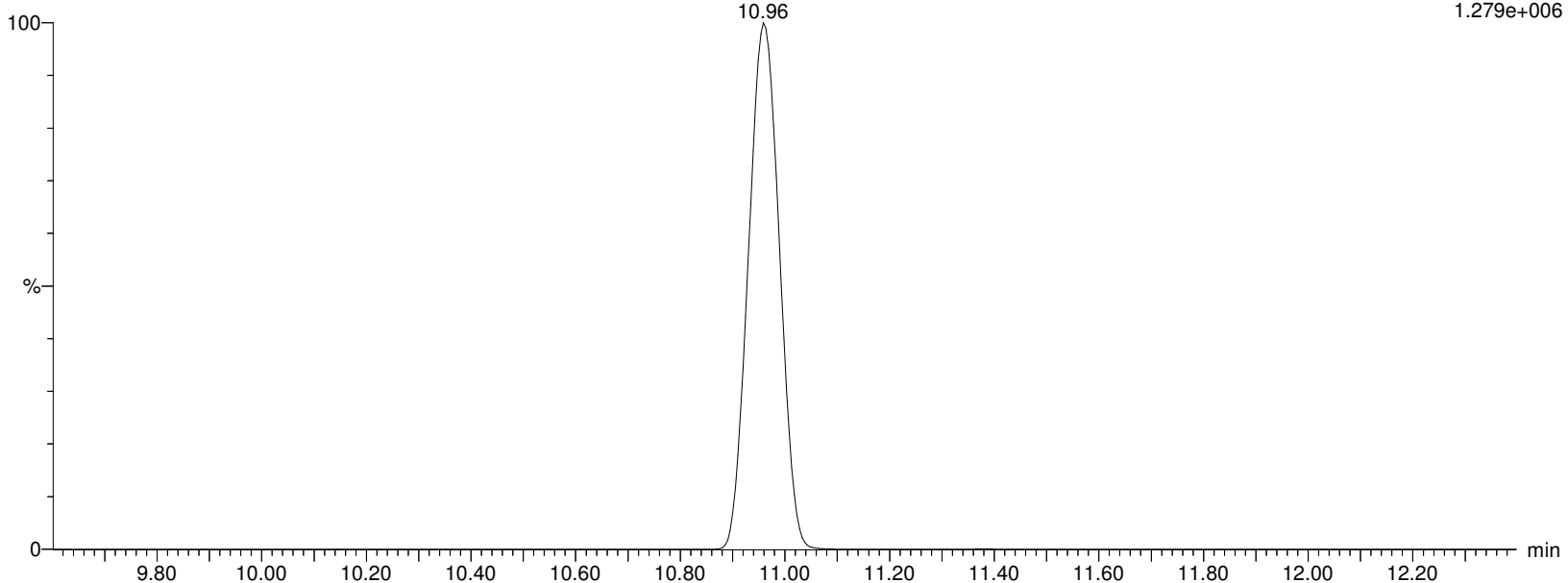
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

569.862 > 482.77

1.279e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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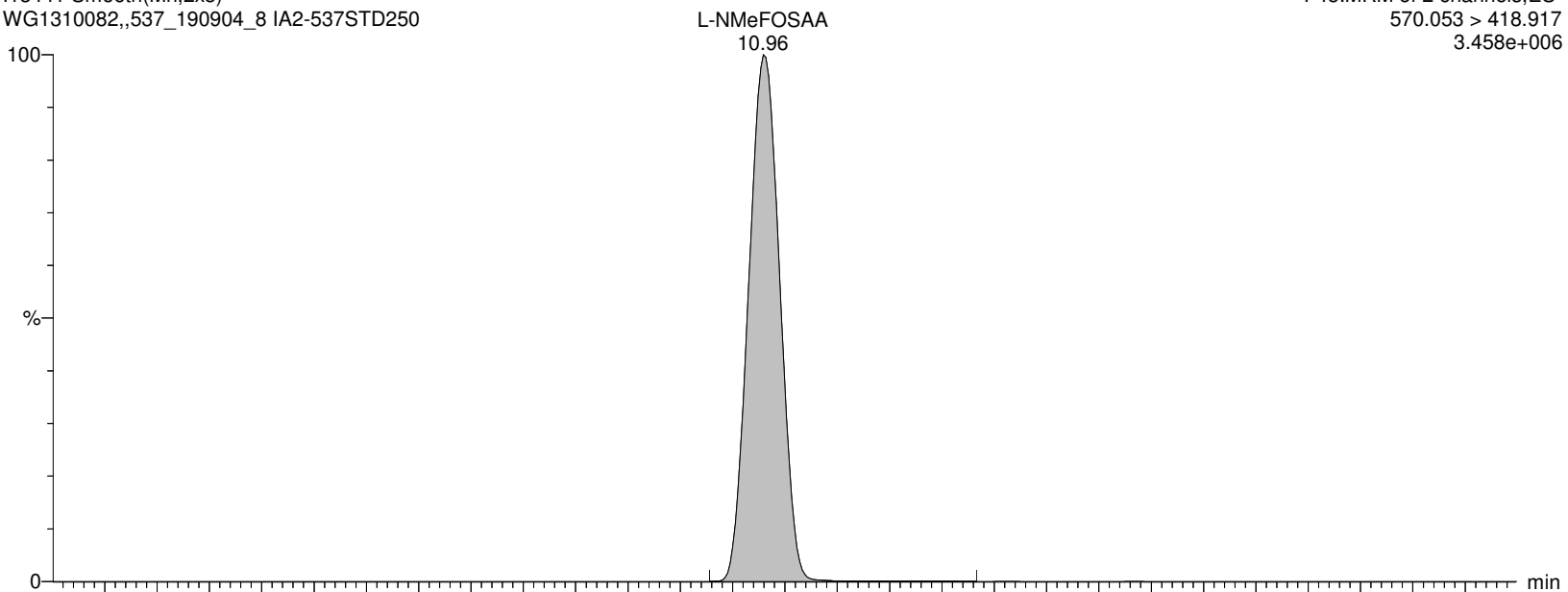
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

570.053 > 418.917

3.458e+006



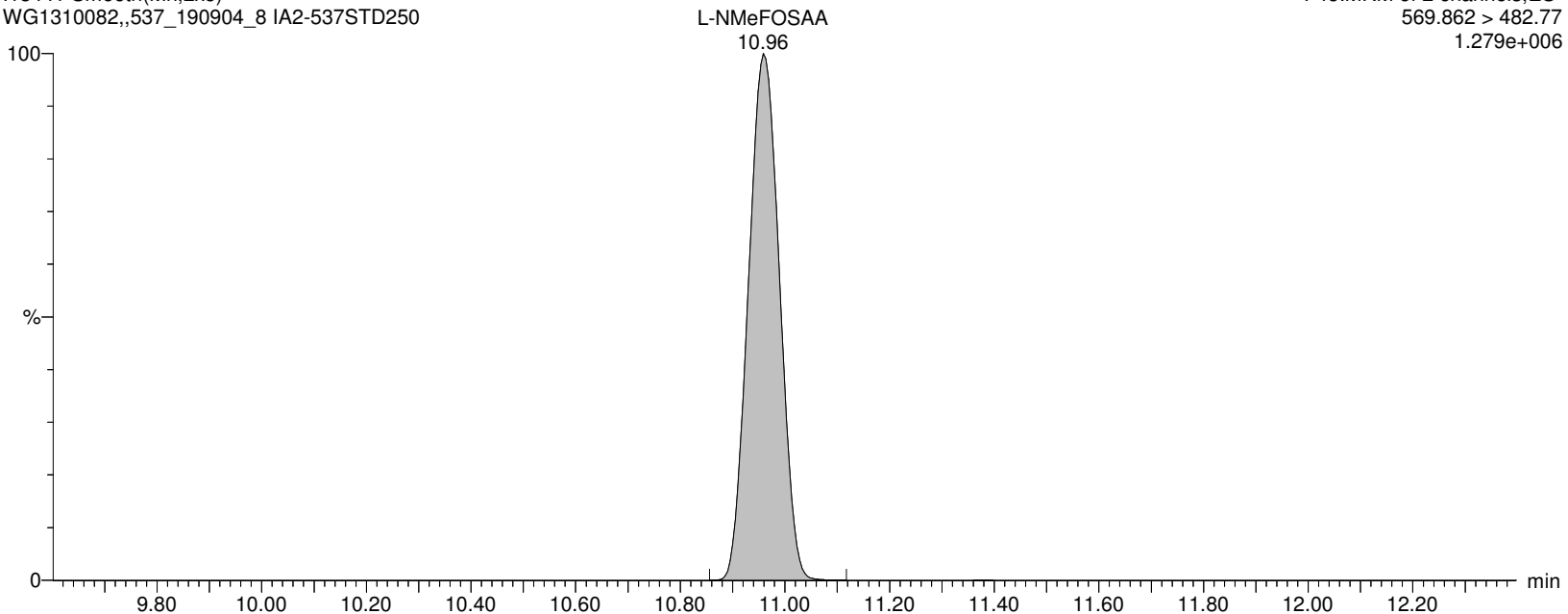
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

569.862 > 482.77

1.279e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Date: 18-Nov-2019

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Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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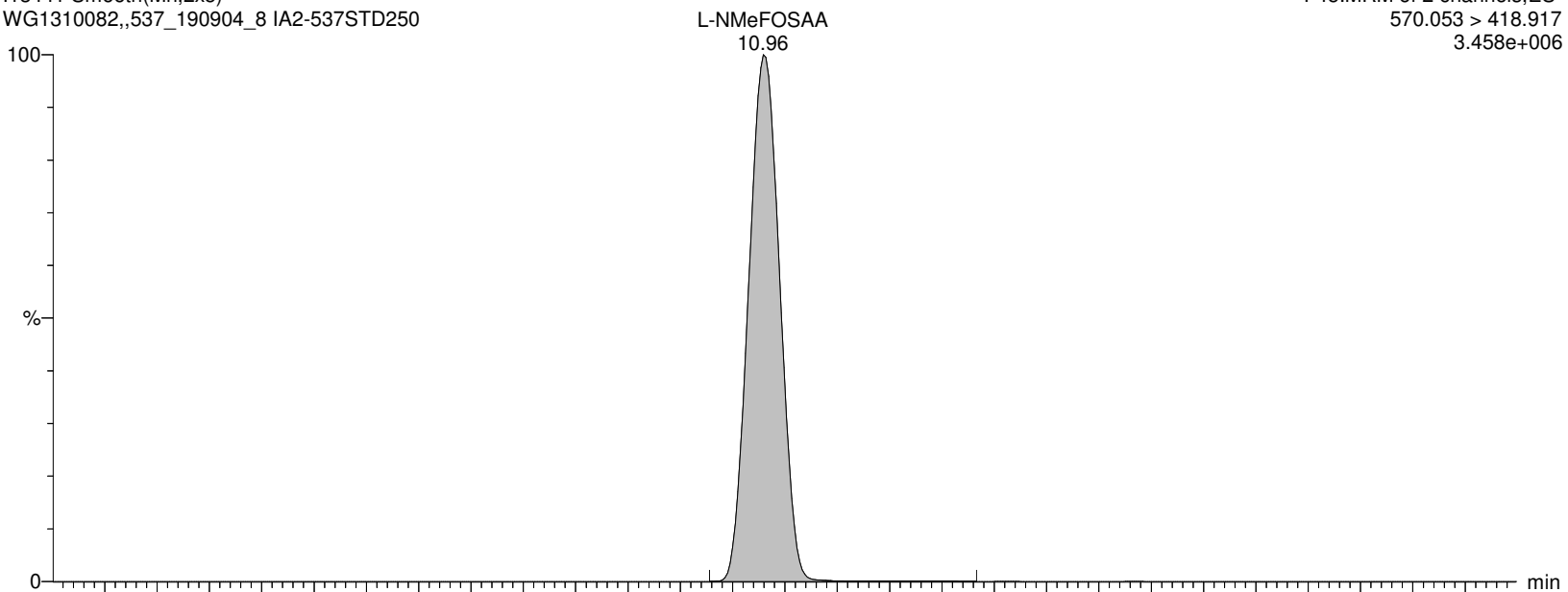
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

570.053 > 418.917

3.458e+006



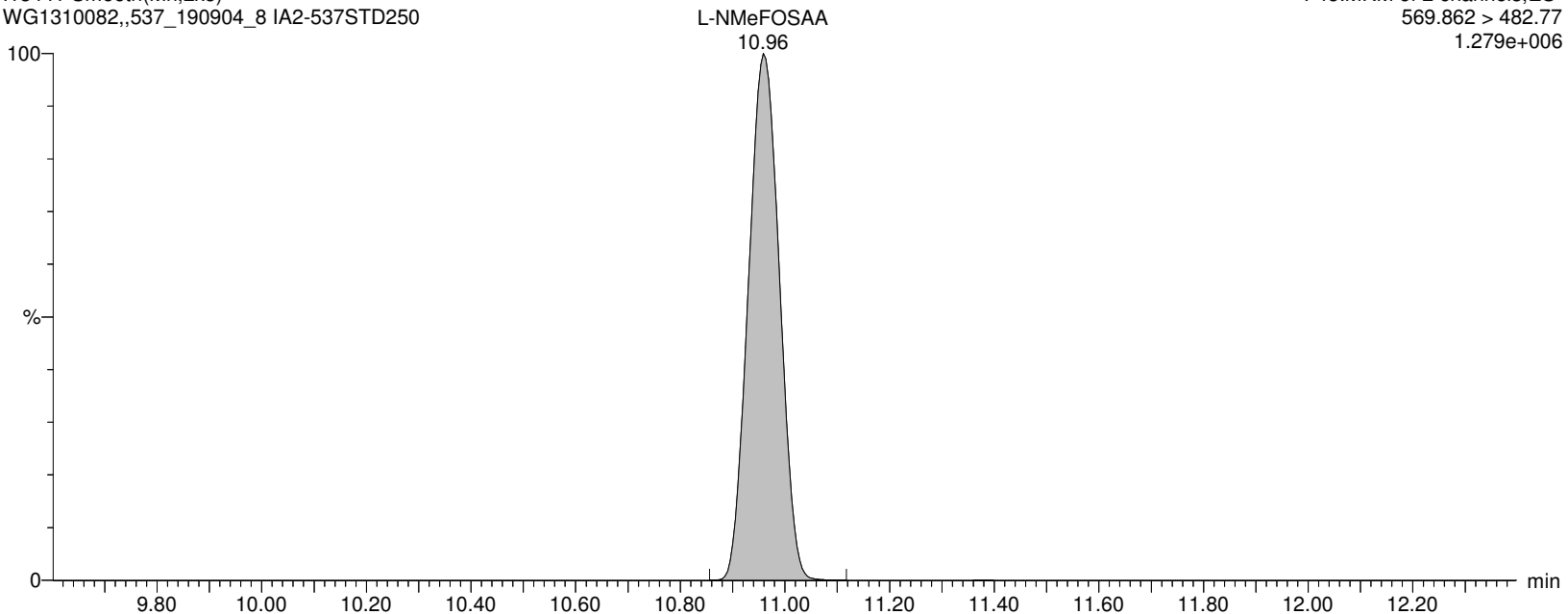
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F45:MRM of 2 channels,ES-

569.862 > 482.77

1.279e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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PFUnA

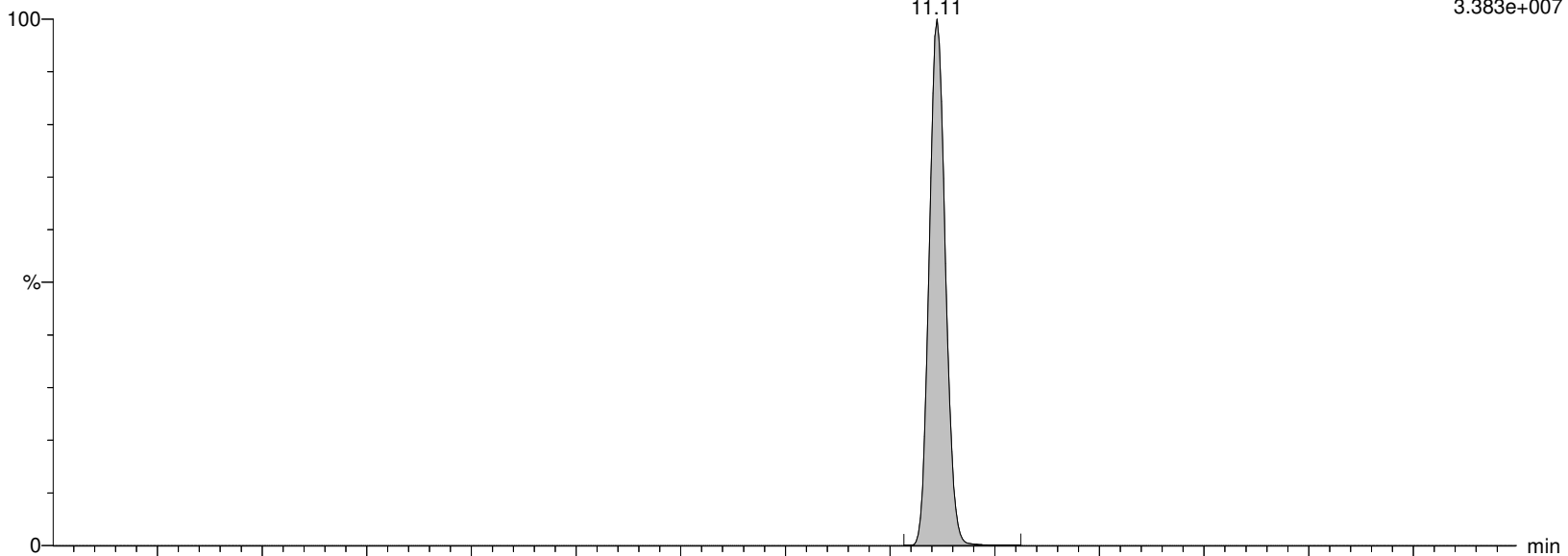
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F44:MRM of 2 channels,ES-

562.989 > 518.903

3.383e+007



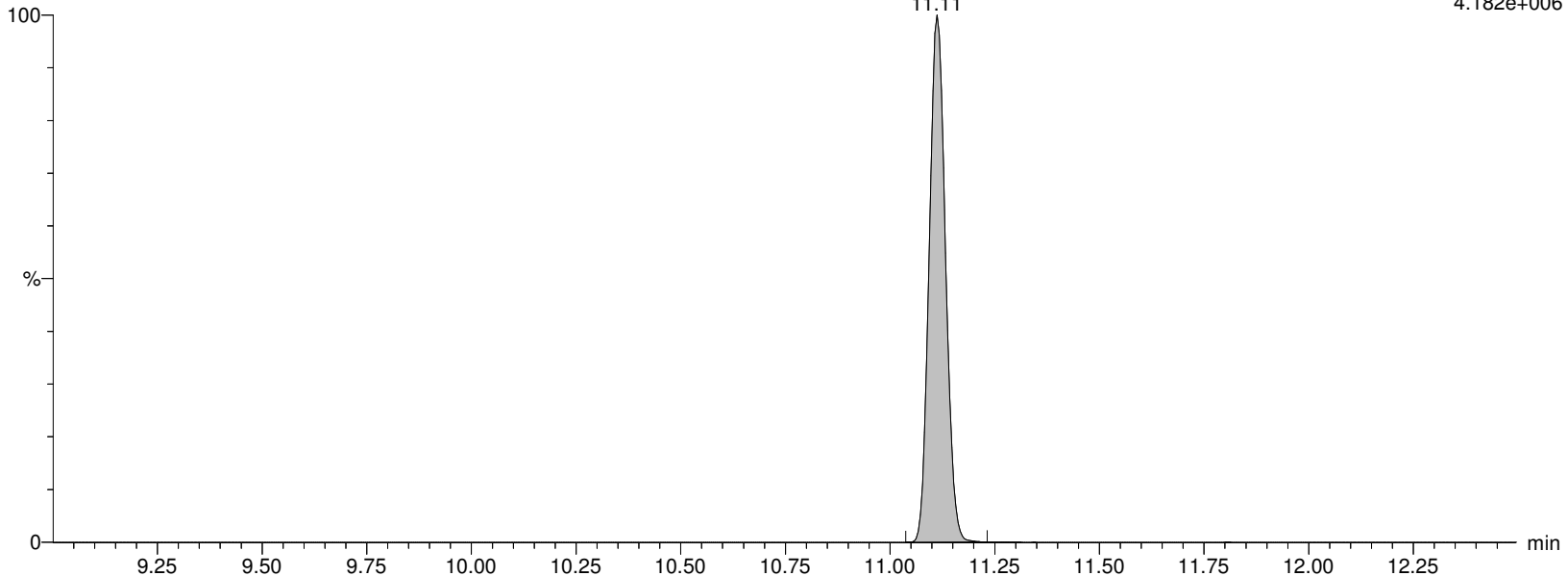
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F44:MRM of 2 channels,ES-

562.989 > 269.01

4.182e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

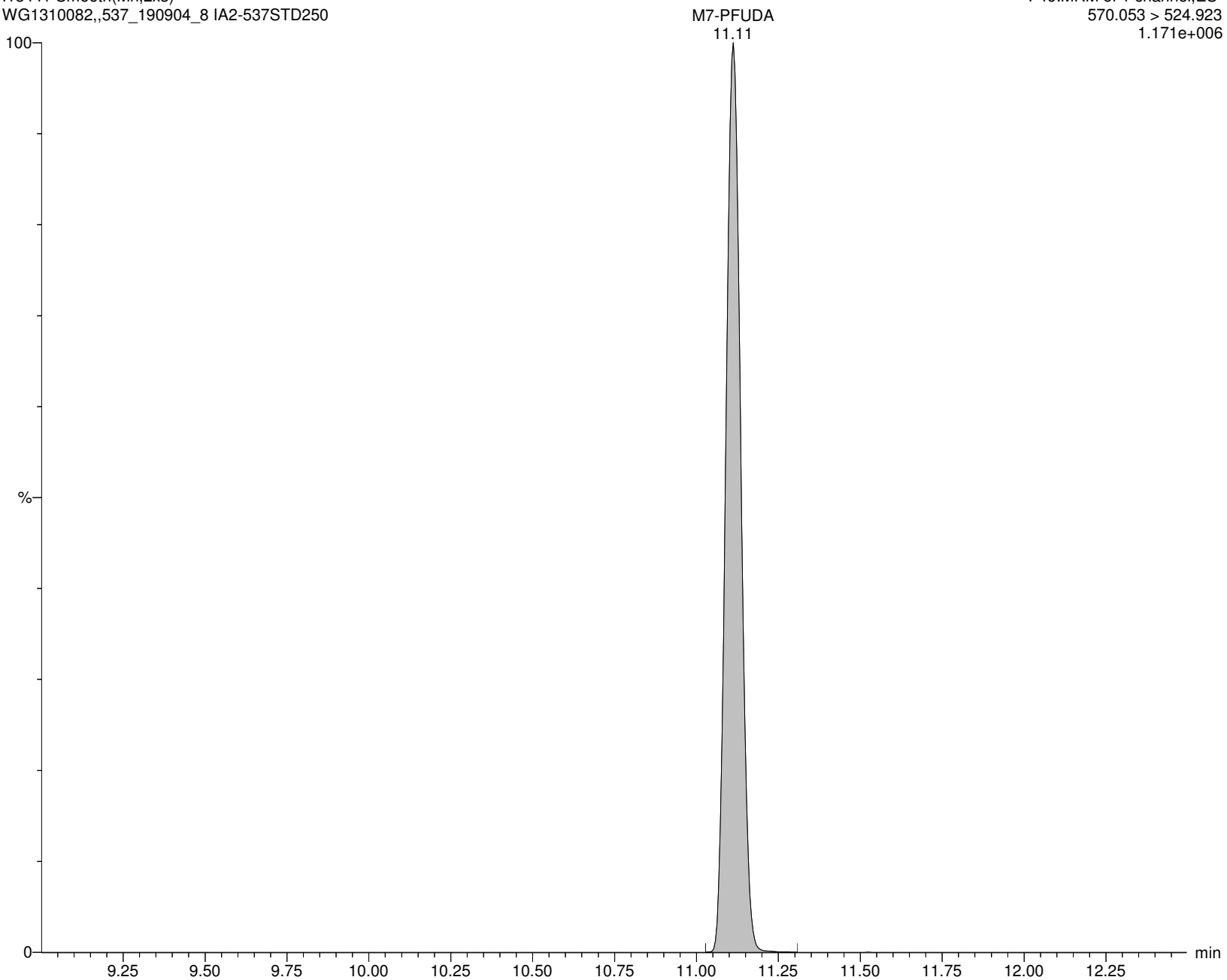
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.171e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

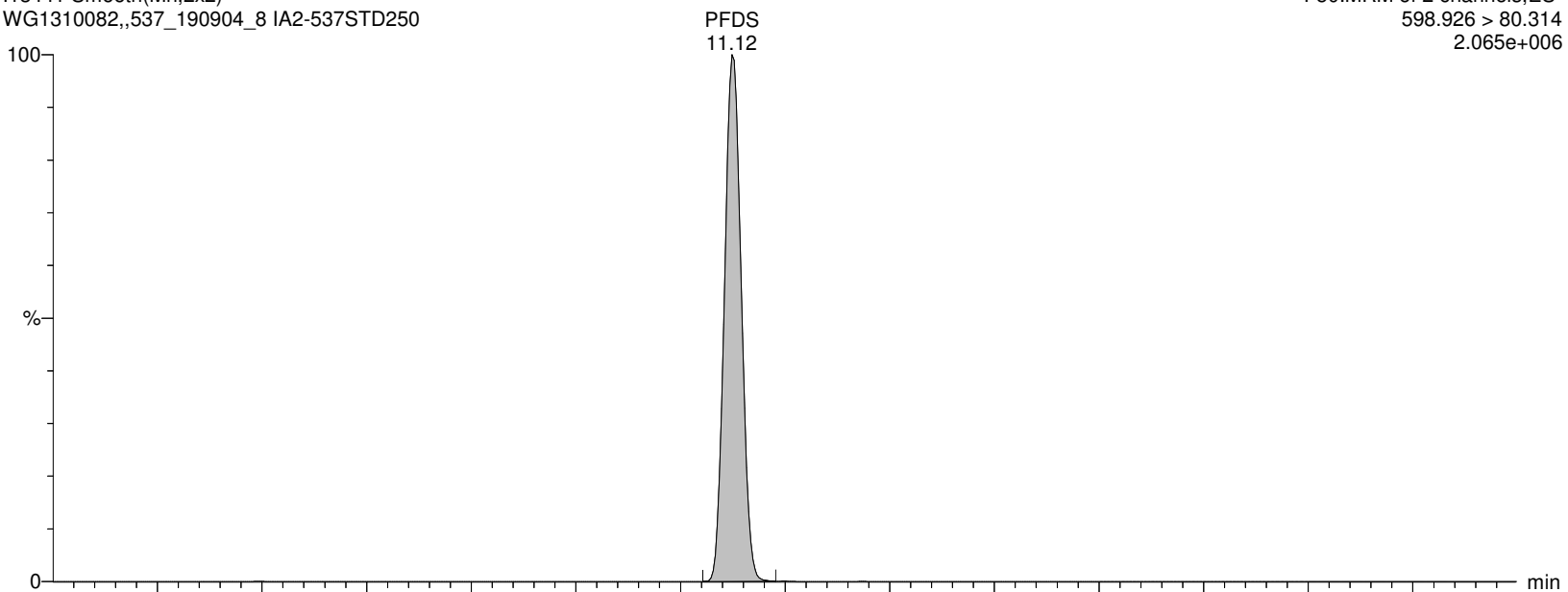
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F50:MRM of 2 channels,ES-

598.926 > 80.314

2.065e+006



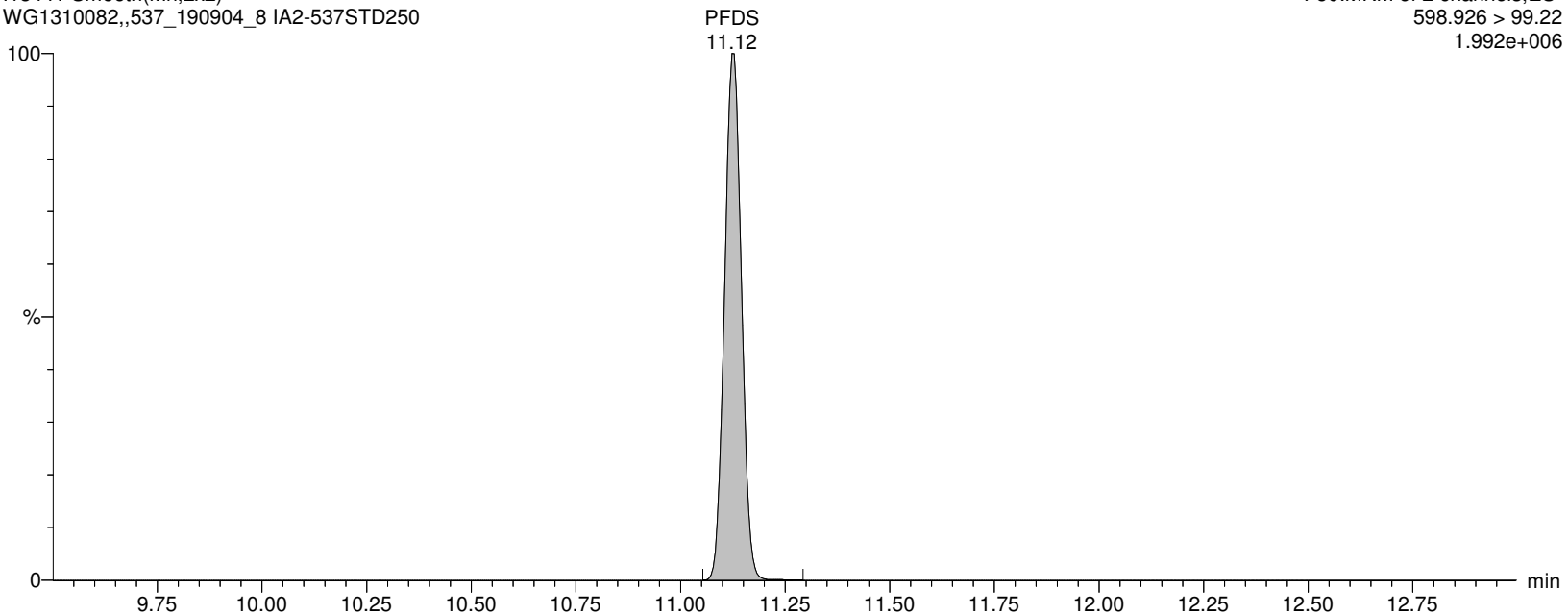
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.992e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

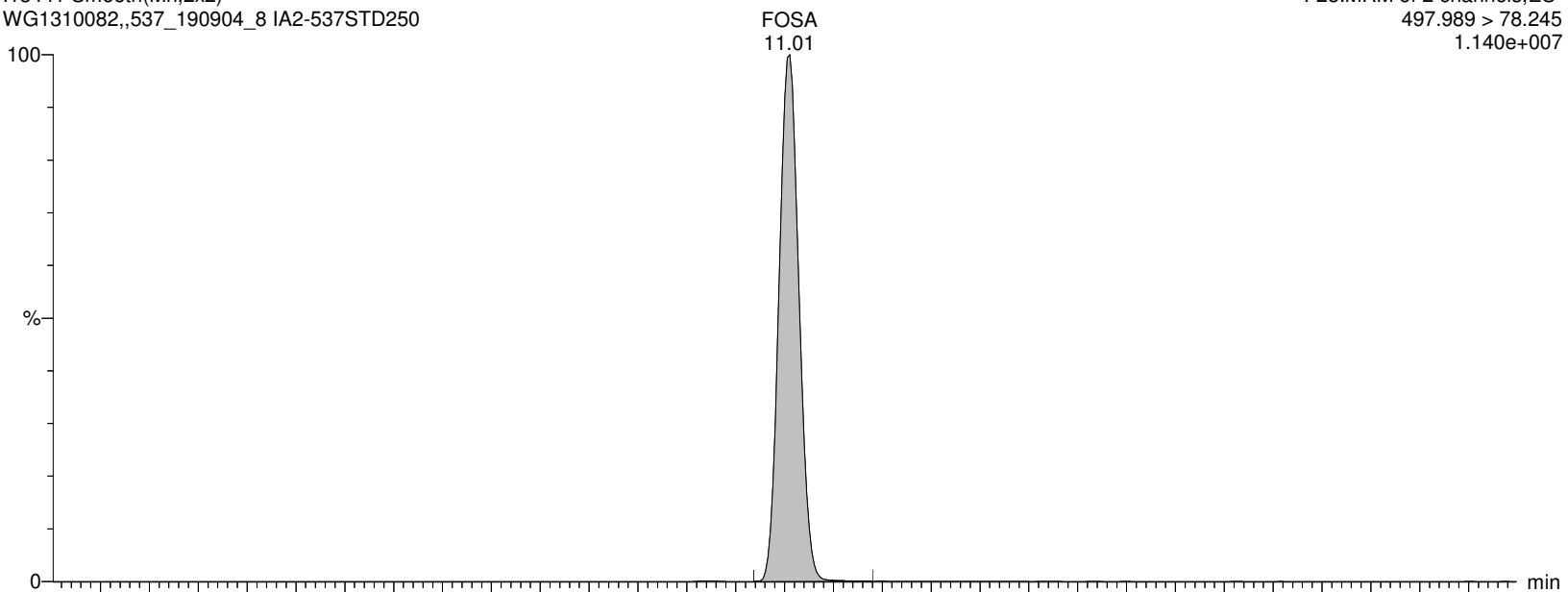
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F28:MRM of 2 channels,ES-

497.989 > 78.245

1.140e+007



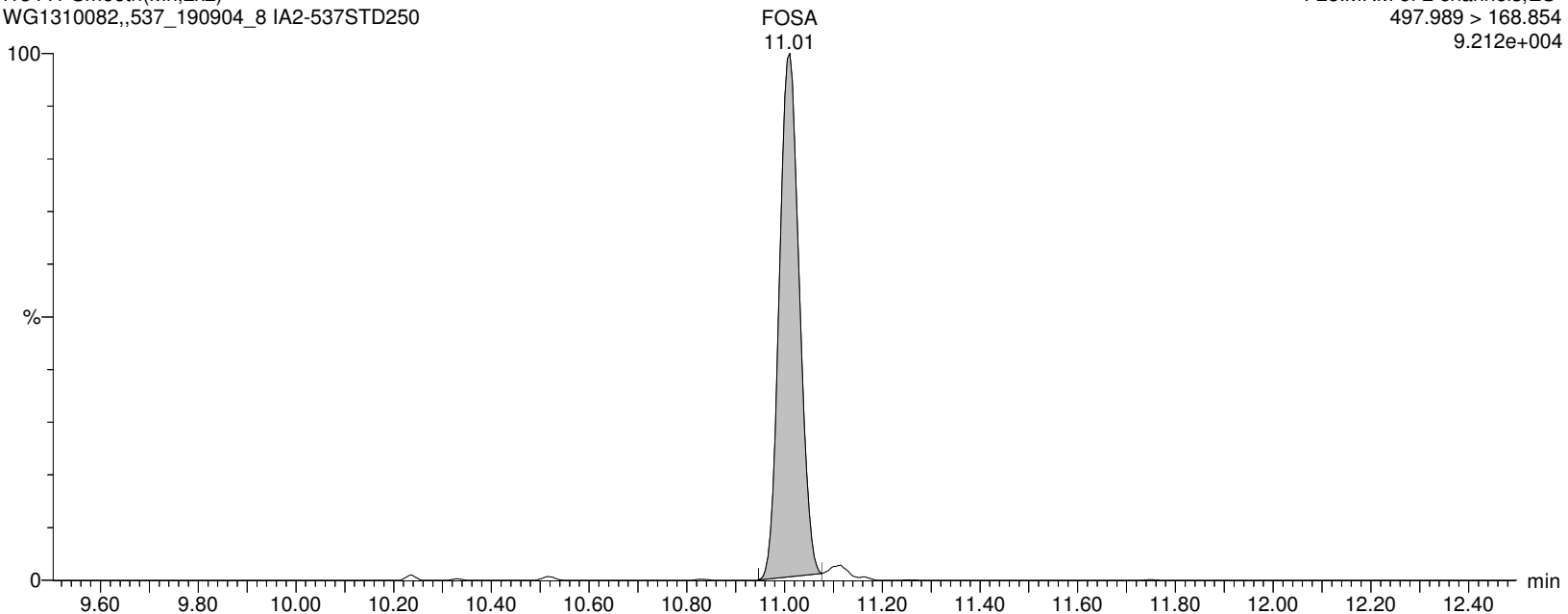
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F28:MRM of 2 channels,ES-

497.989 > 168.854

9.212e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

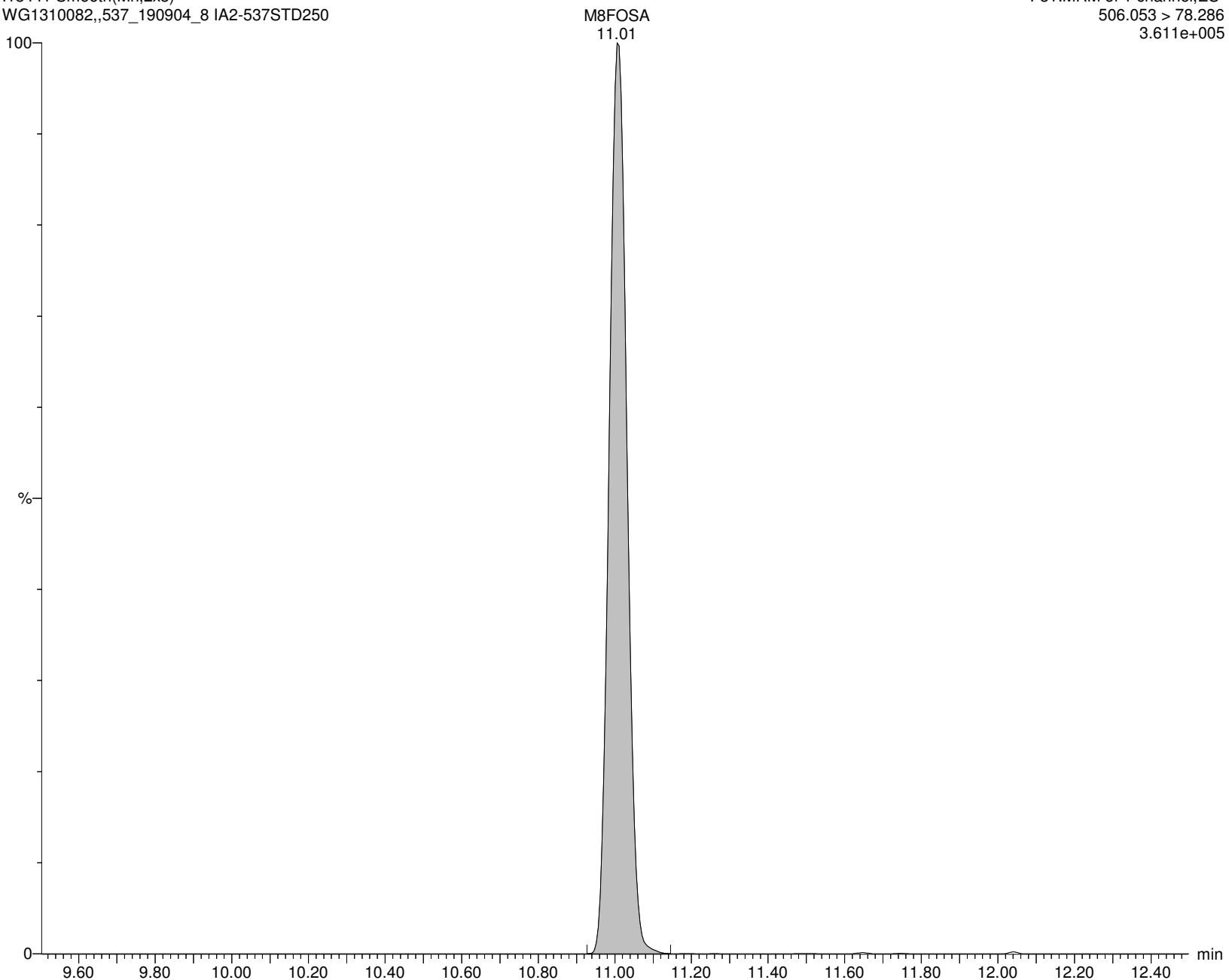
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F31:MRM of 1 channel,ES-

506.053 > 78.286

3.611e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

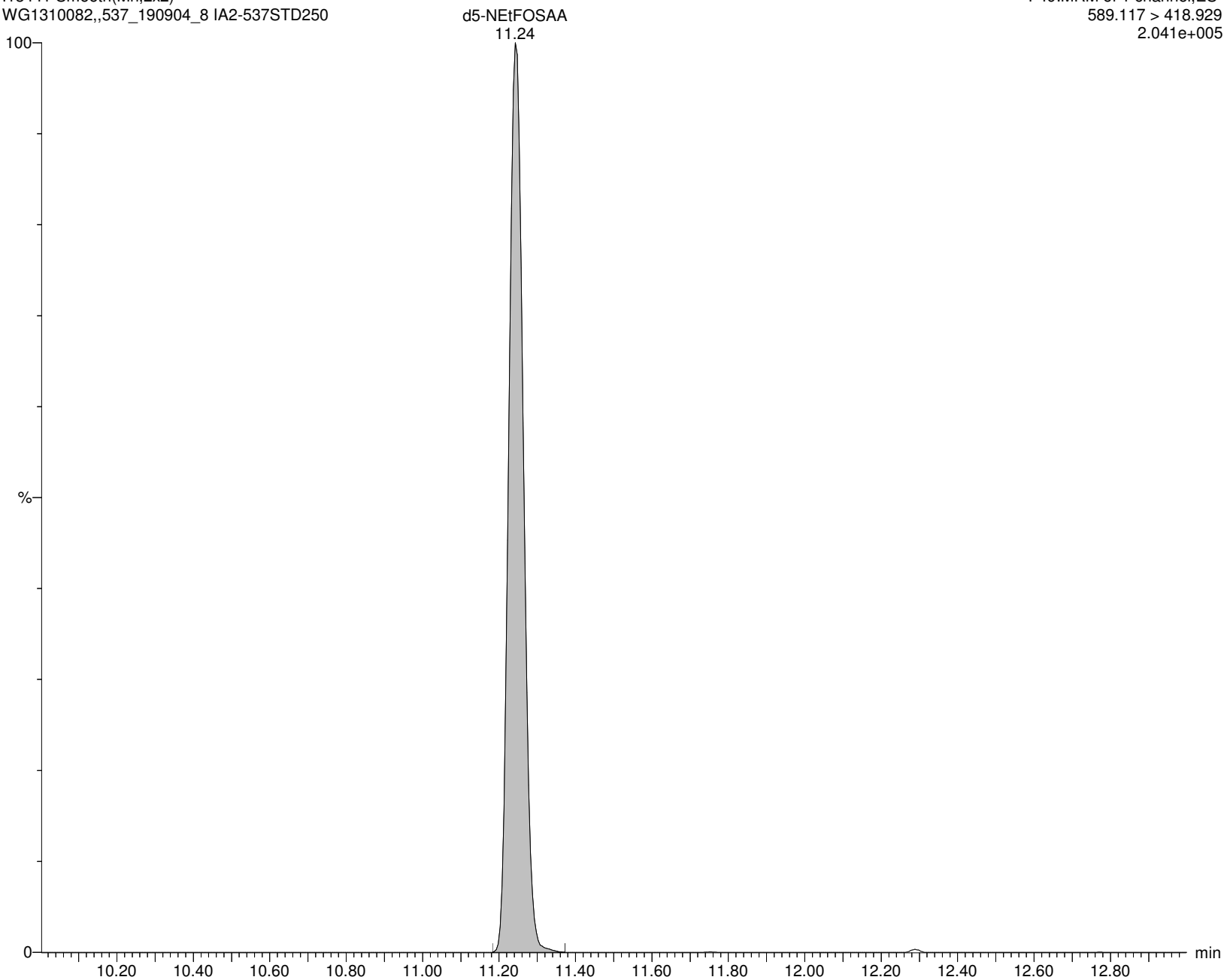
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.041e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

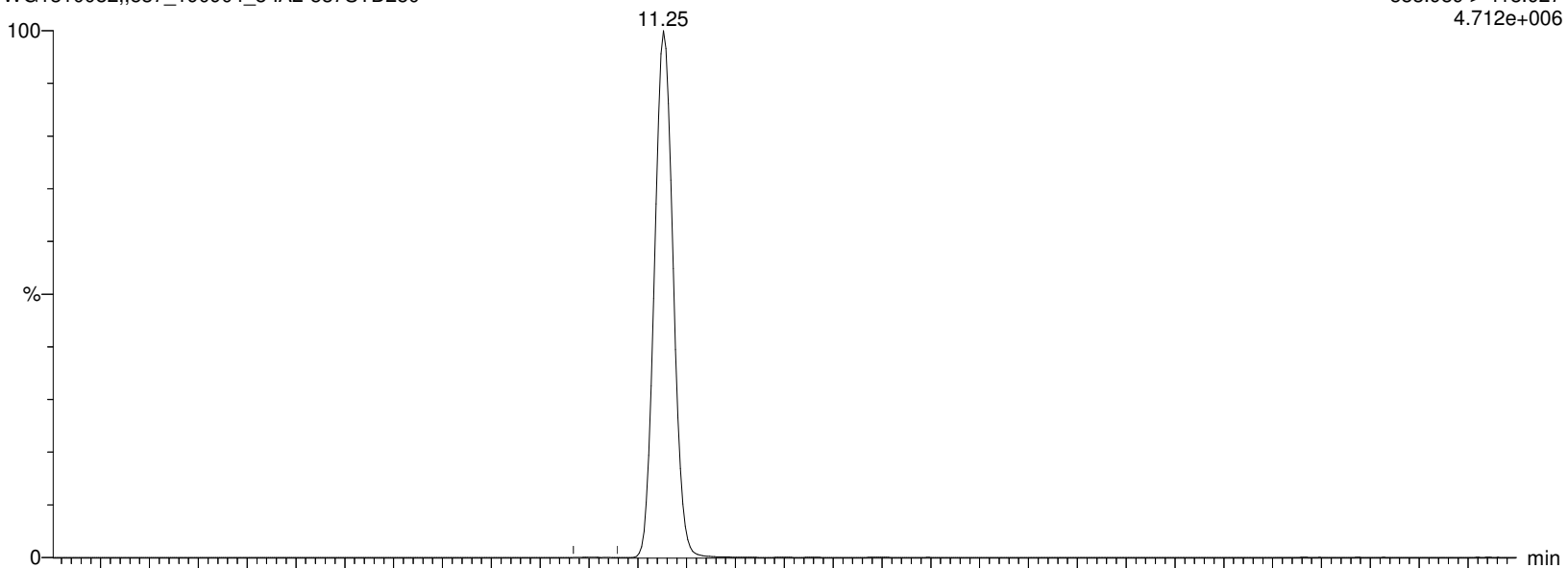
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 418.927

4.712e+006



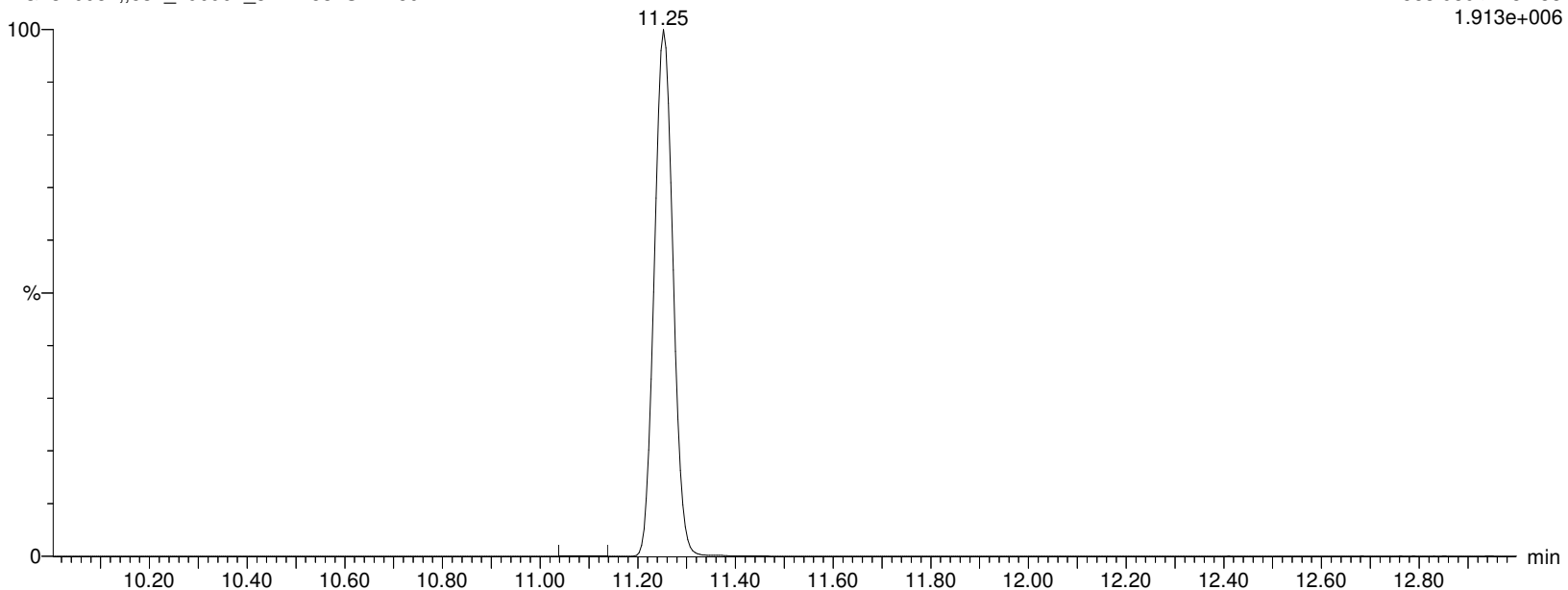
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.913e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

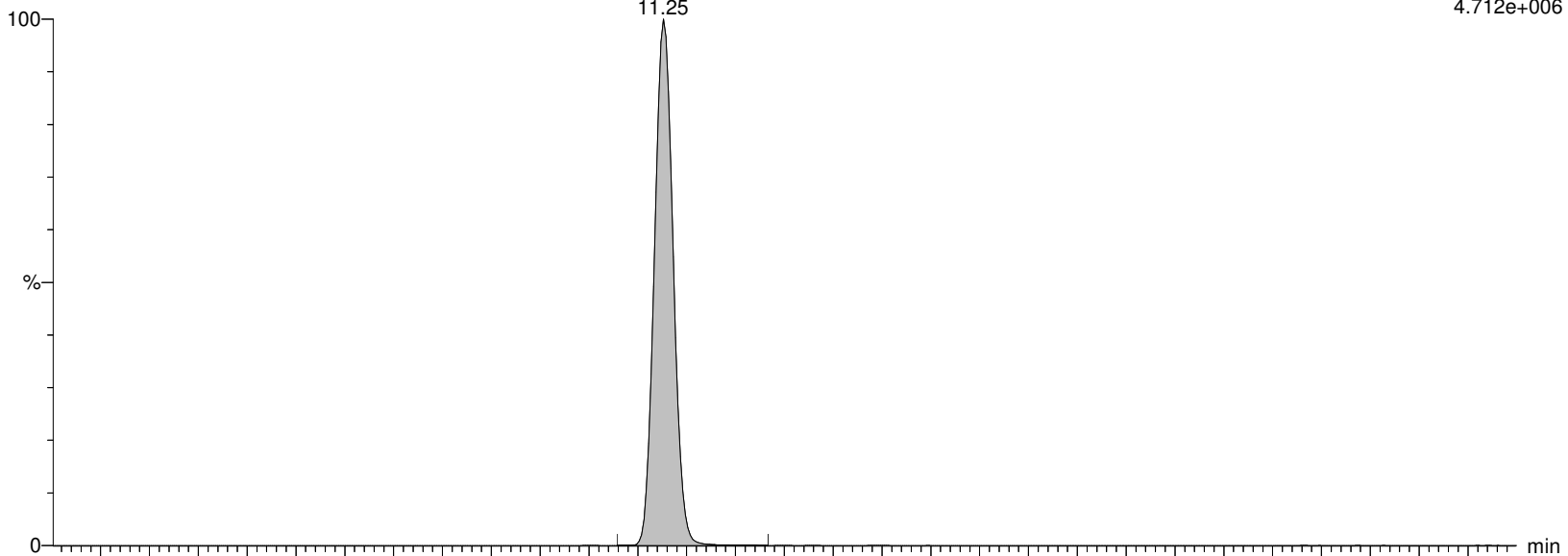
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 418.927

4.712e+006



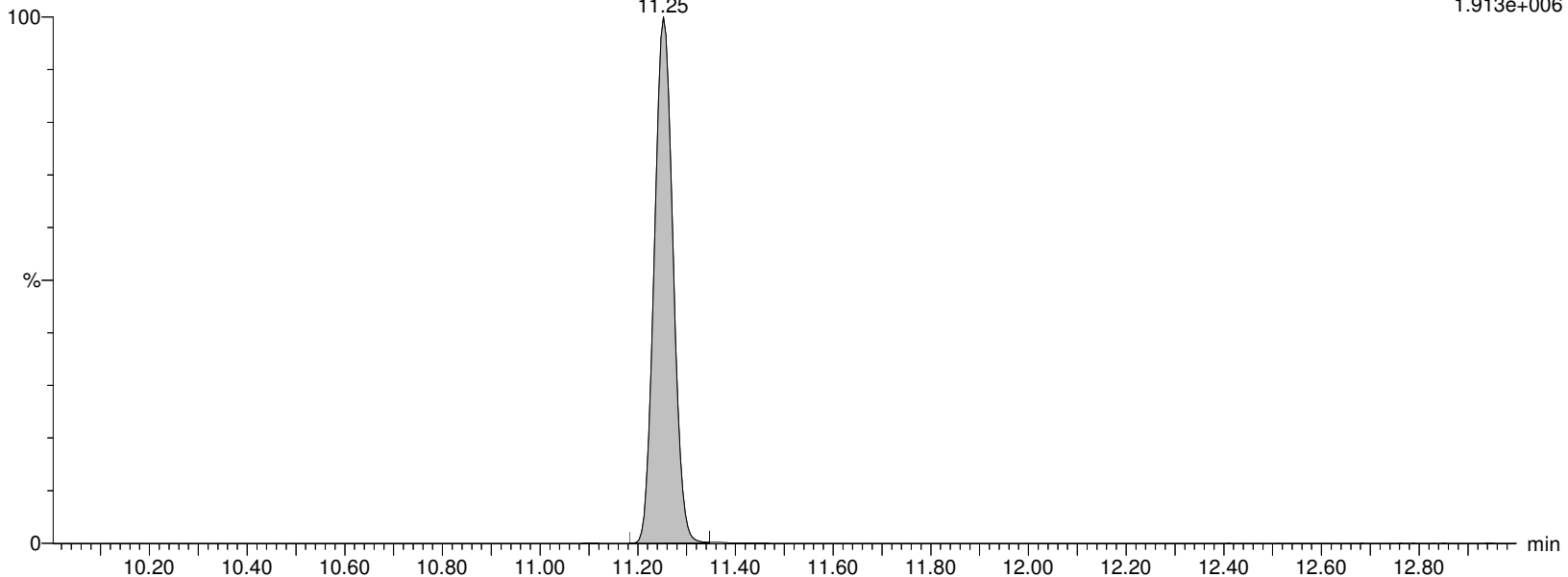
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.913e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

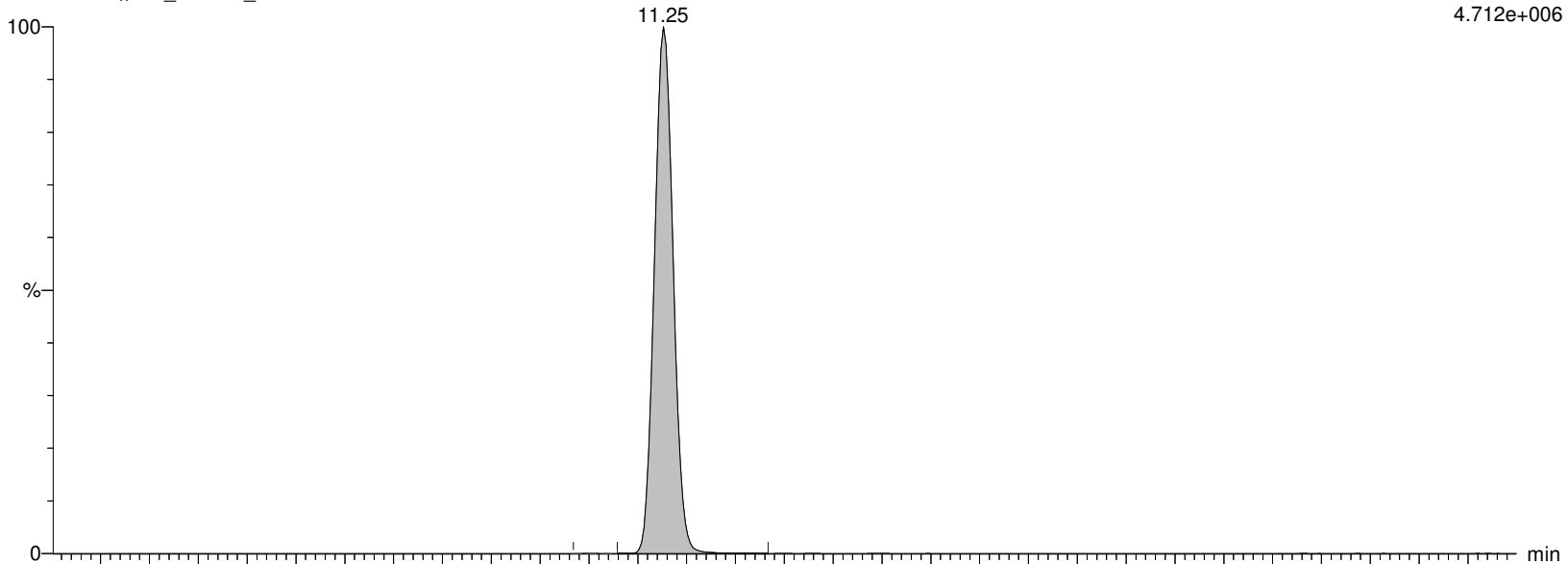
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 418.927

4.712e+006



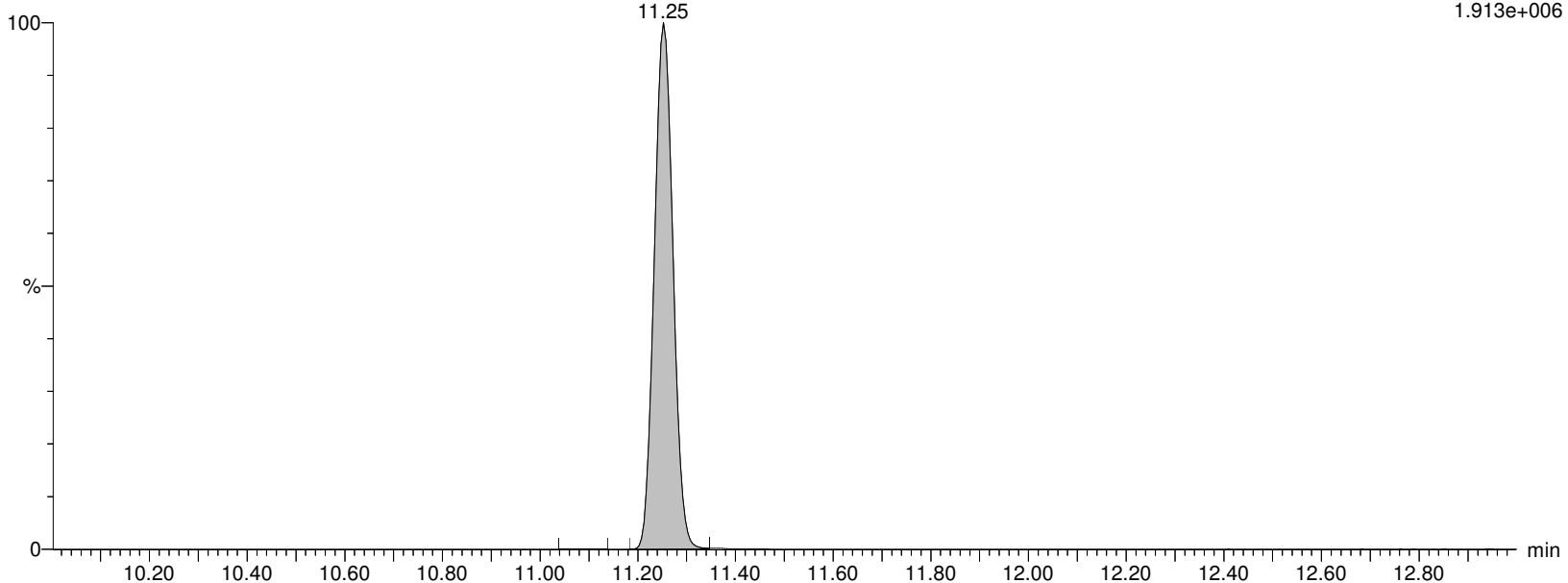
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F48:MRM of 2 channels,ES-

583.989 > 482.88

1.913e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

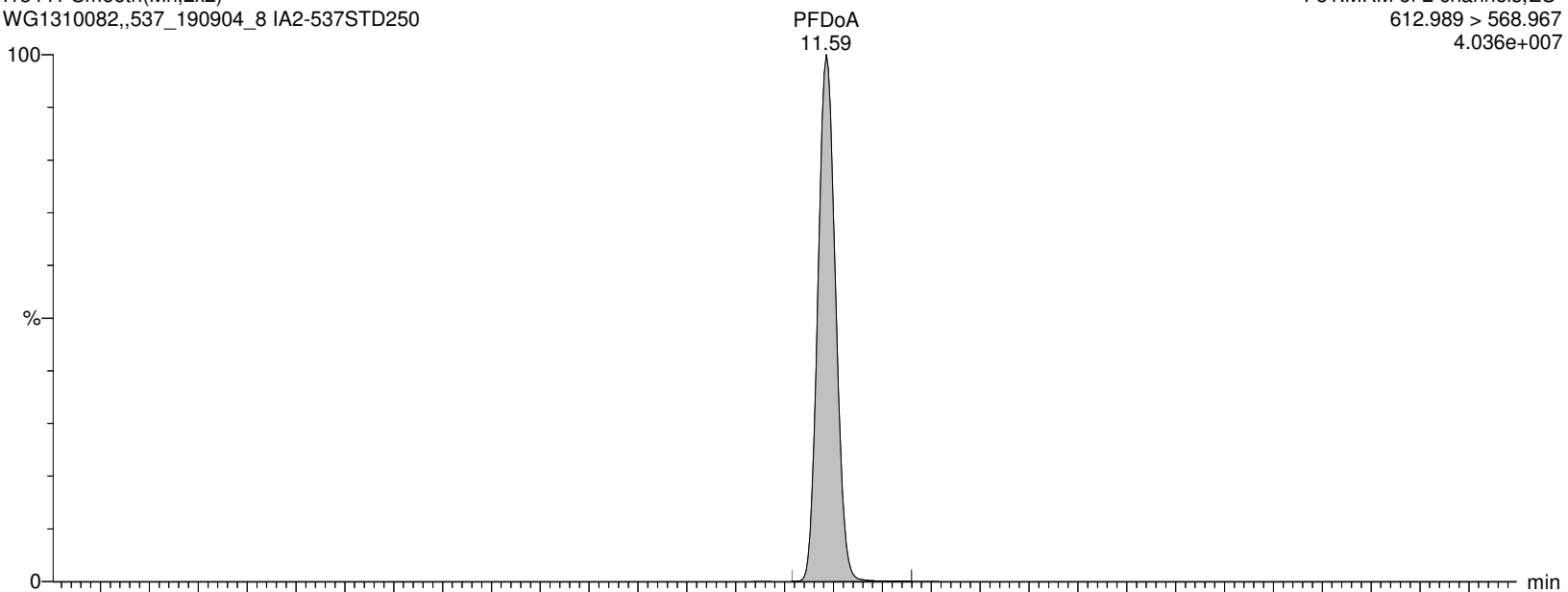
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F51:MRM of 2 channels,ES-

612.989 > 568.967

4.036e+007



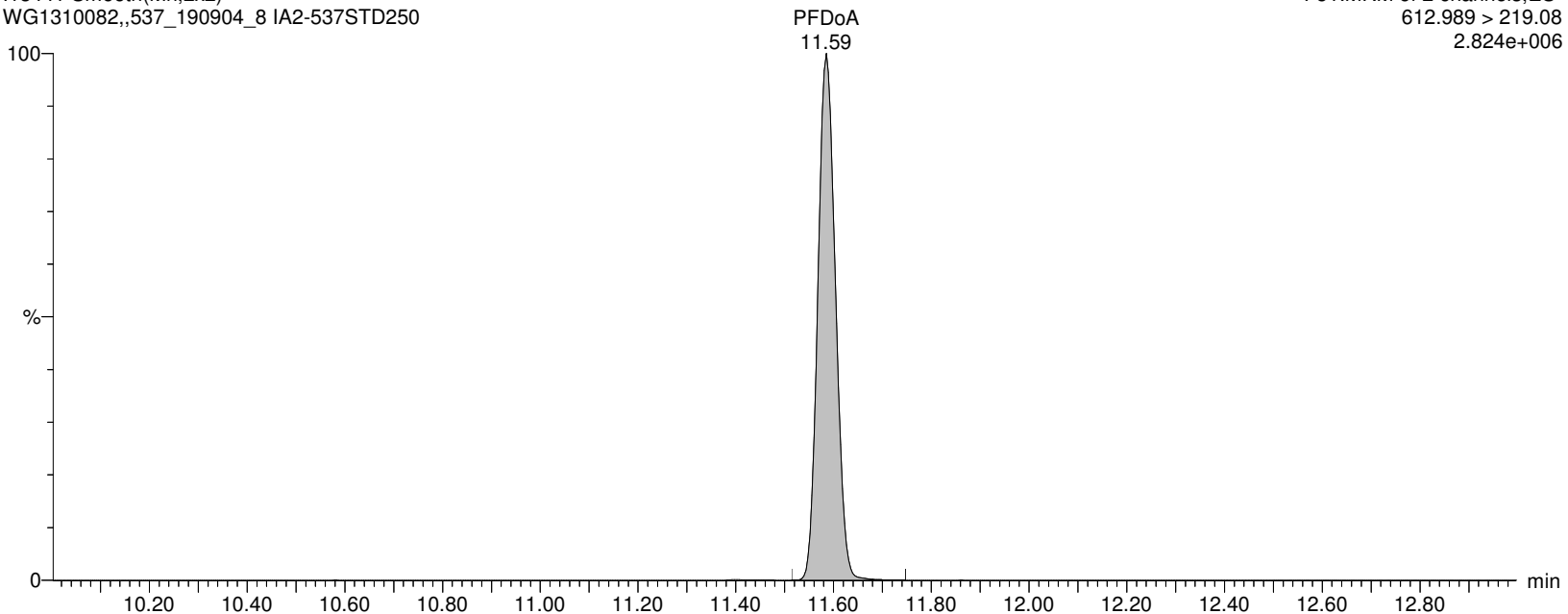
I13441 Smooth(Mn,2x2)

WG1310082,,537_190904_8 IA2-537STD250

F51:MRM of 2 channels,ES-

612.989 > 219.08

2.824e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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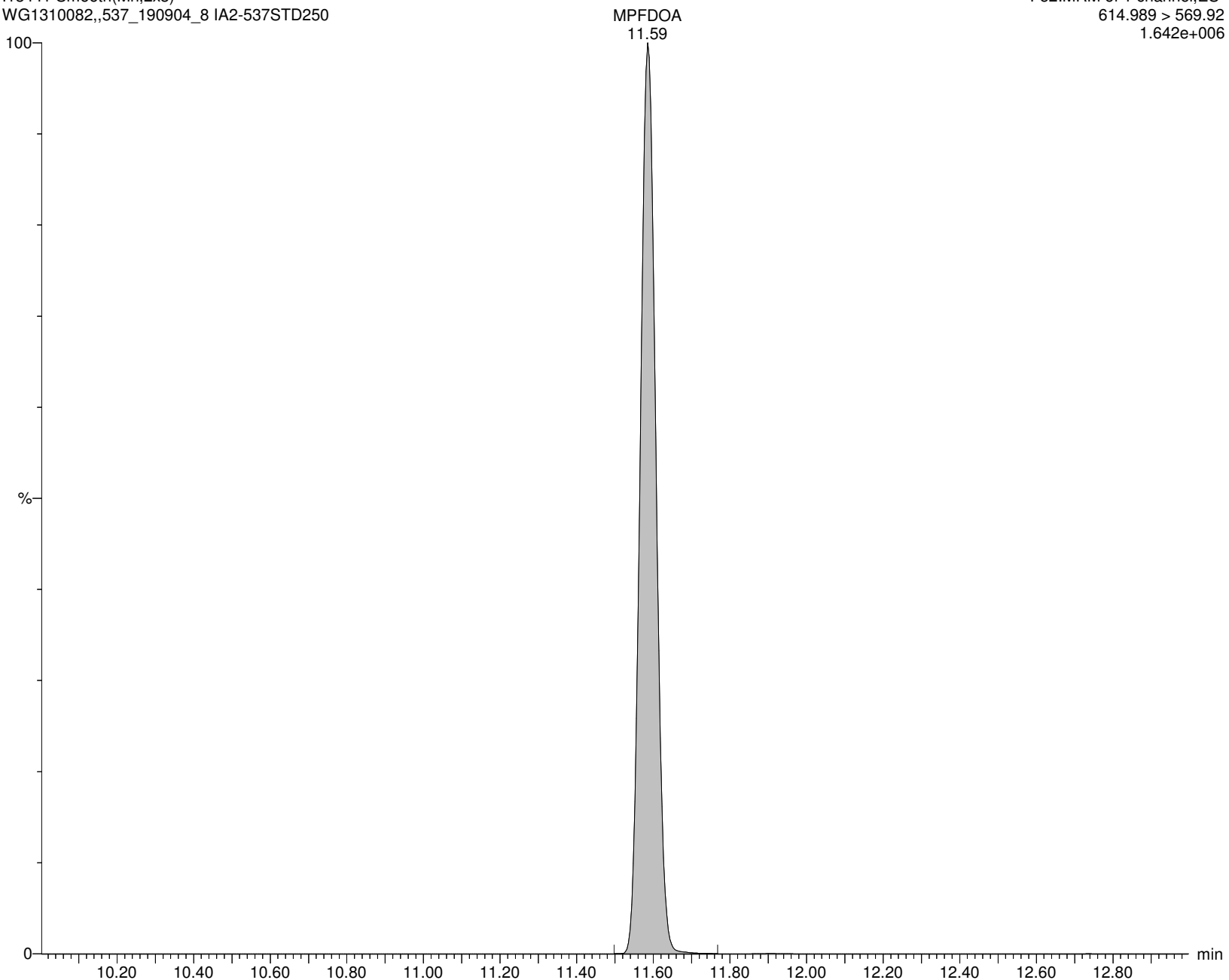
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F52:MRM of 1 channel,ES-

614.989 > 569.92

1.642e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

I13441 Smooth(Mn,2x2)

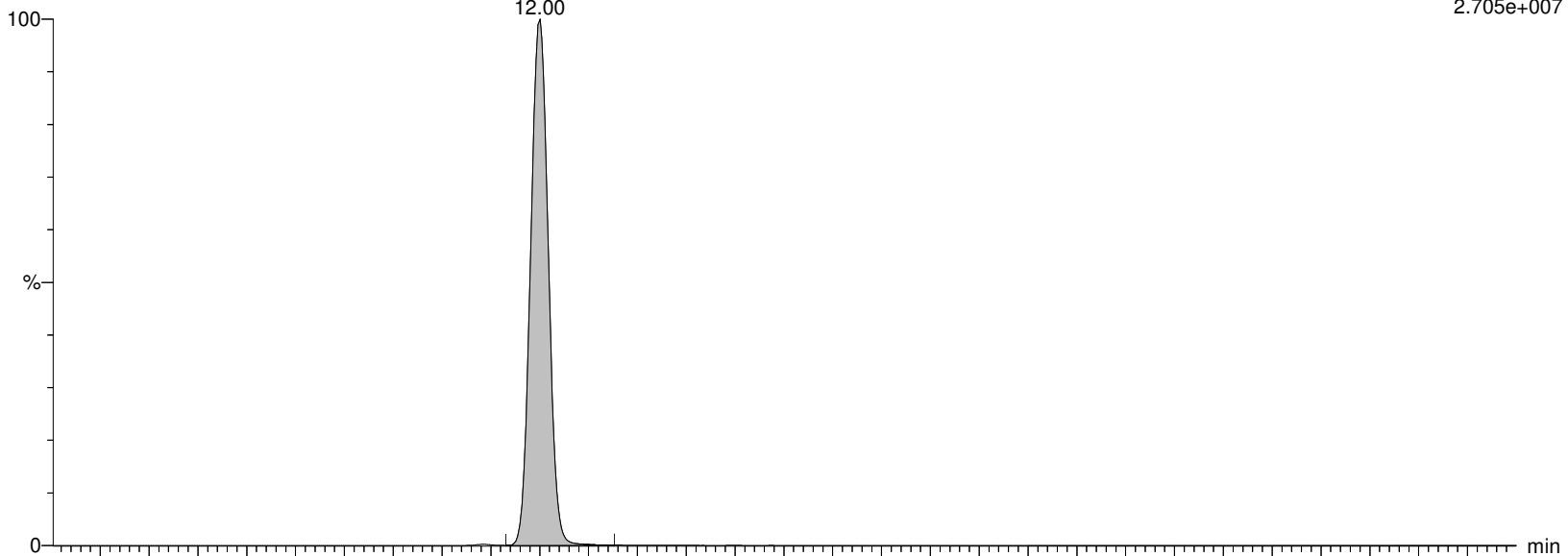
WG1310082,,537_190904_8 IA2-537STD250

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 618.969

2.705e+007



I13441 Smooth(Mn,2x2)

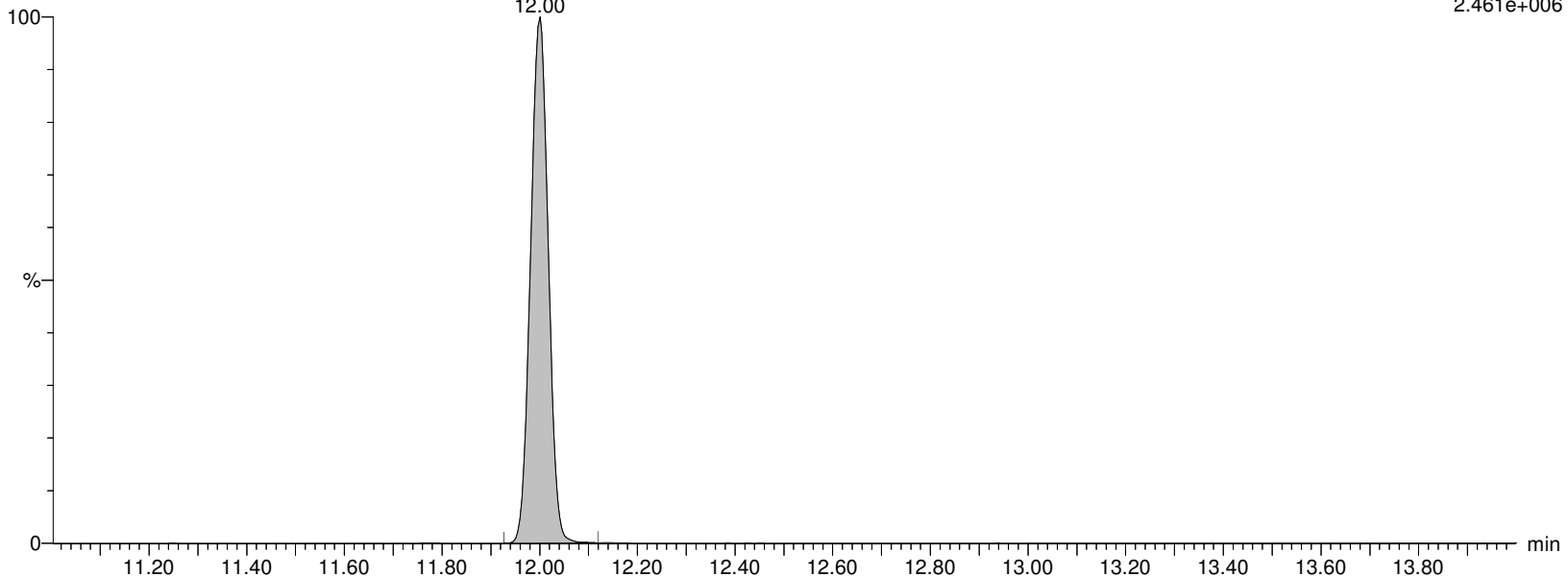
WG1310082,,537_190904_8 IA2-537STD250

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 319.02

2.461e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

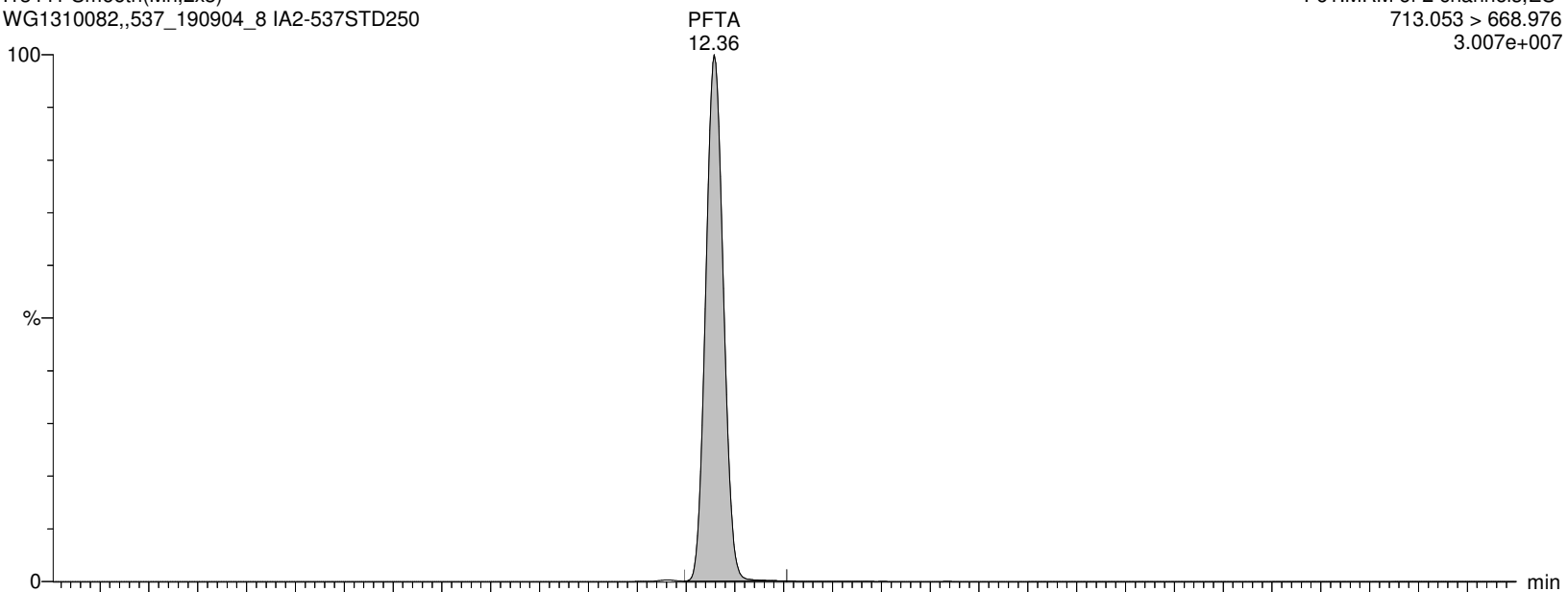
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F61:MRM of 2 channels,ES-

713.053 > 668.976

3.007e+007



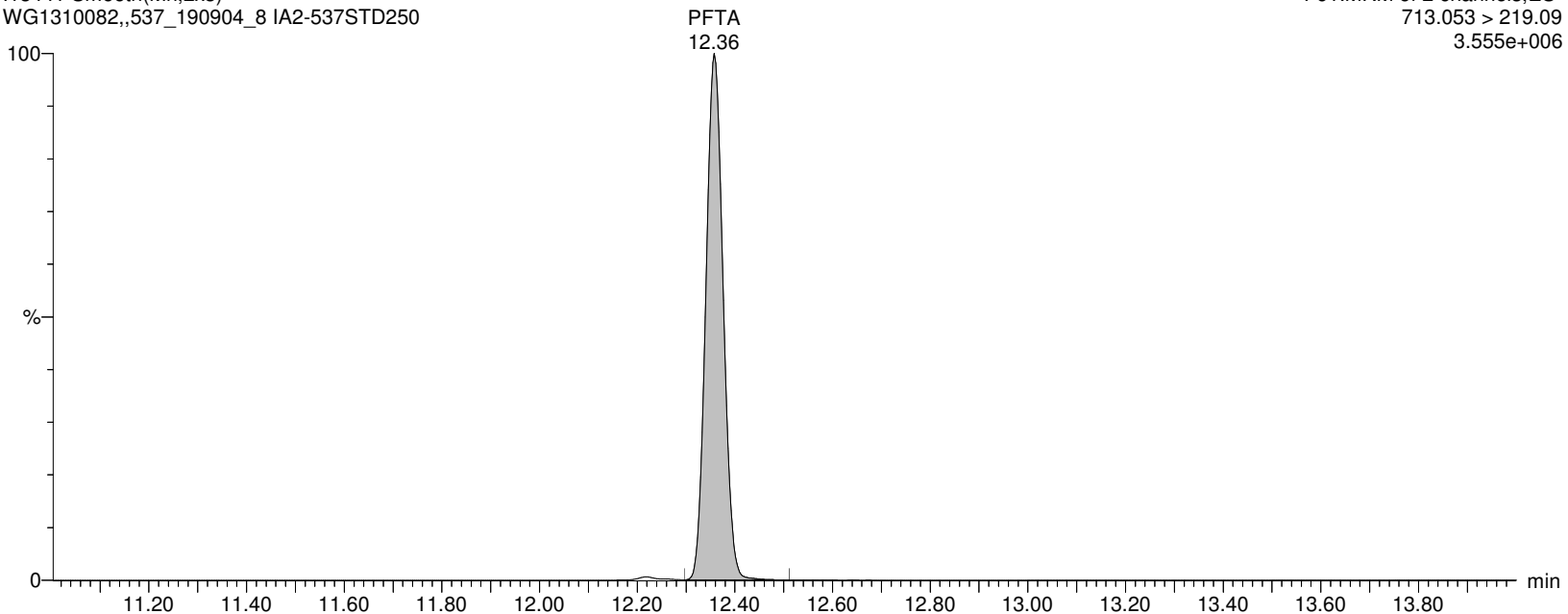
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F61:MRM of 2 channels,ES-

713.053 > 219.09

3.555e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

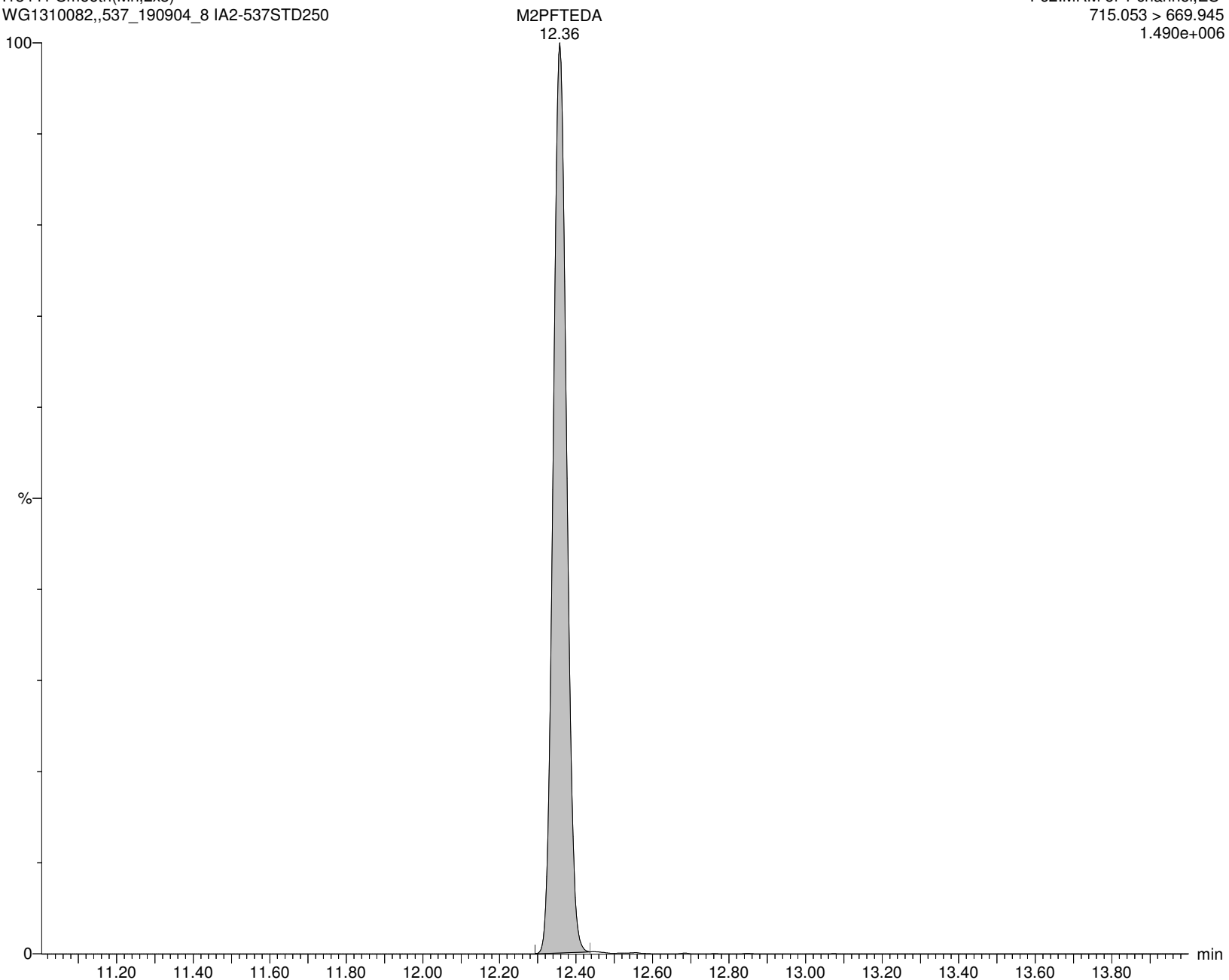
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.490e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

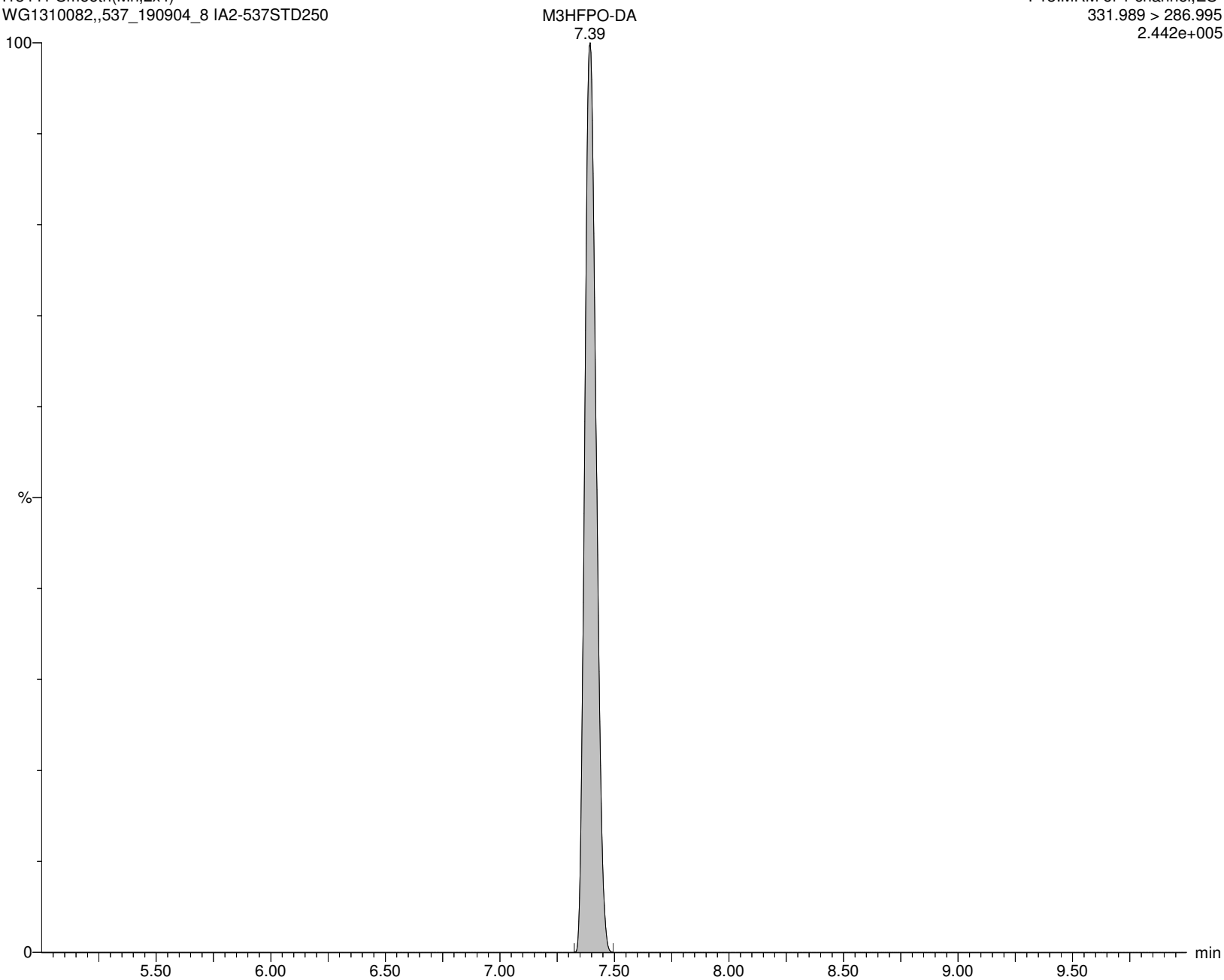
I13441 Smooth(Mn,2x4)

WG1310082,,537_190904_8 IA2-537STD250

F13:MRM of 1 channel,ES-

331.989 > 286.995

2.442e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

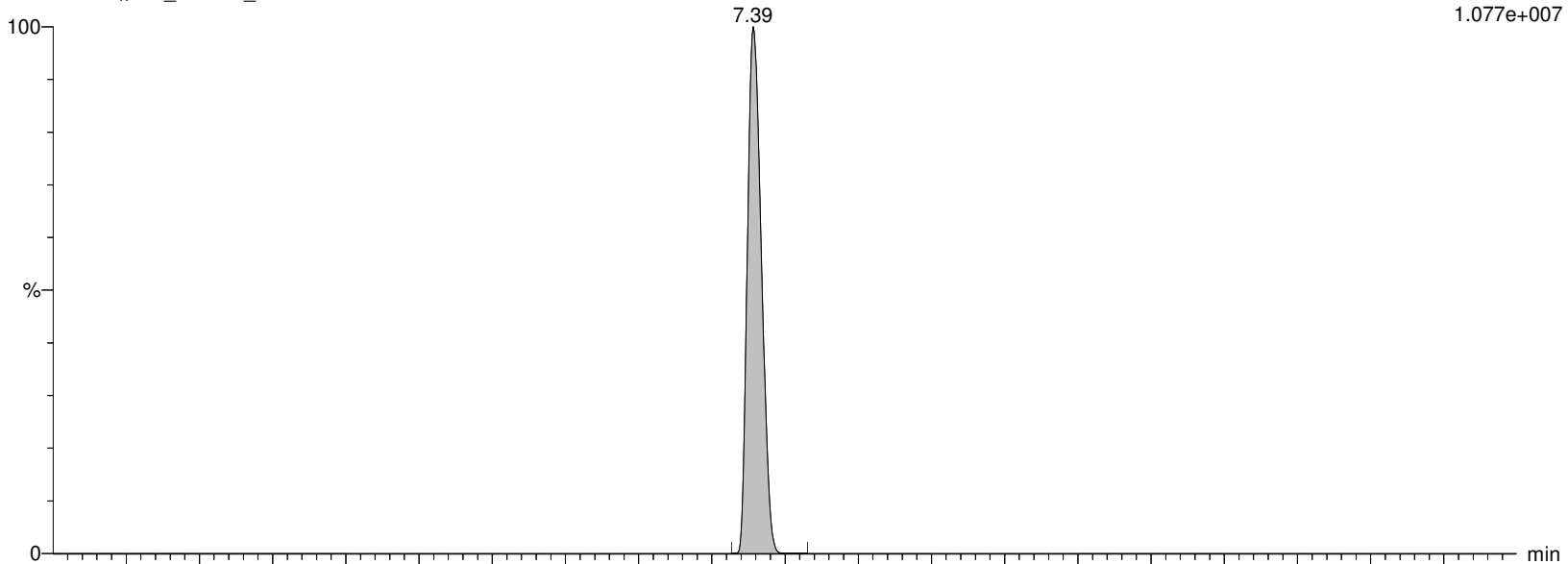
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F6:MRM of 2 channels,ES-

284.819 > 169.094

1.077e+007



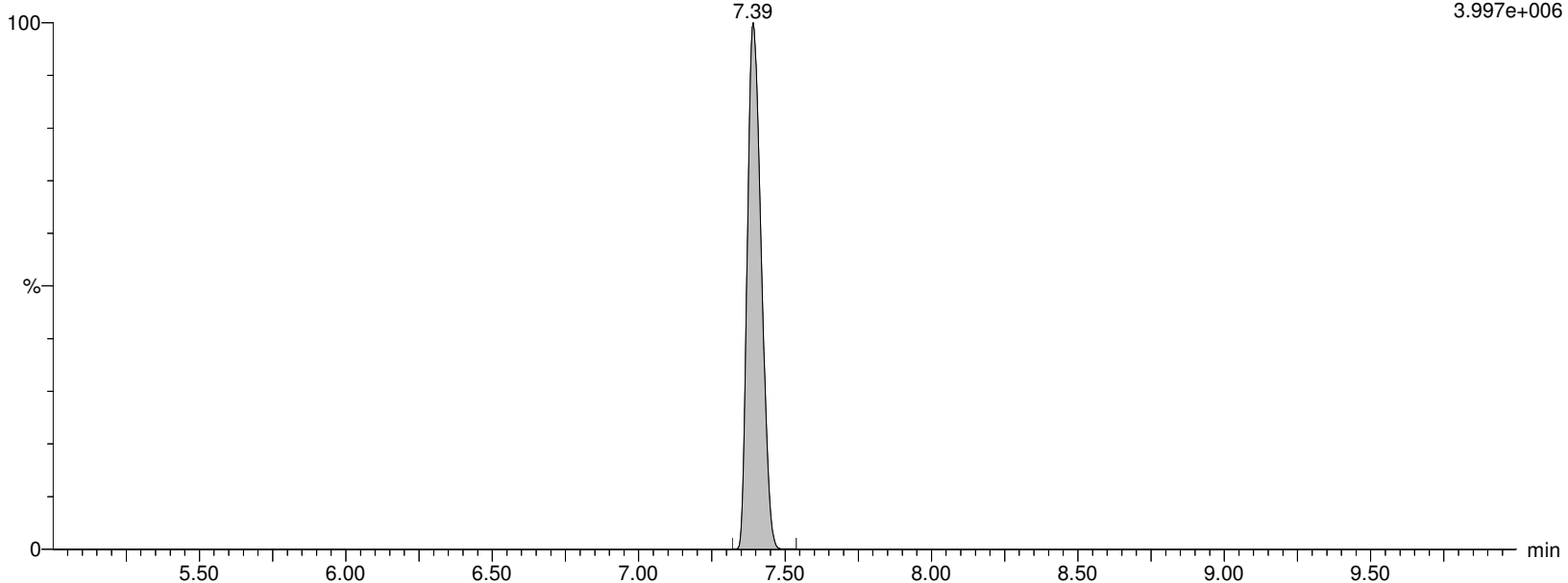
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F6:MRM of 2 channels,ES-

328.989 > 284.982

3.997e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

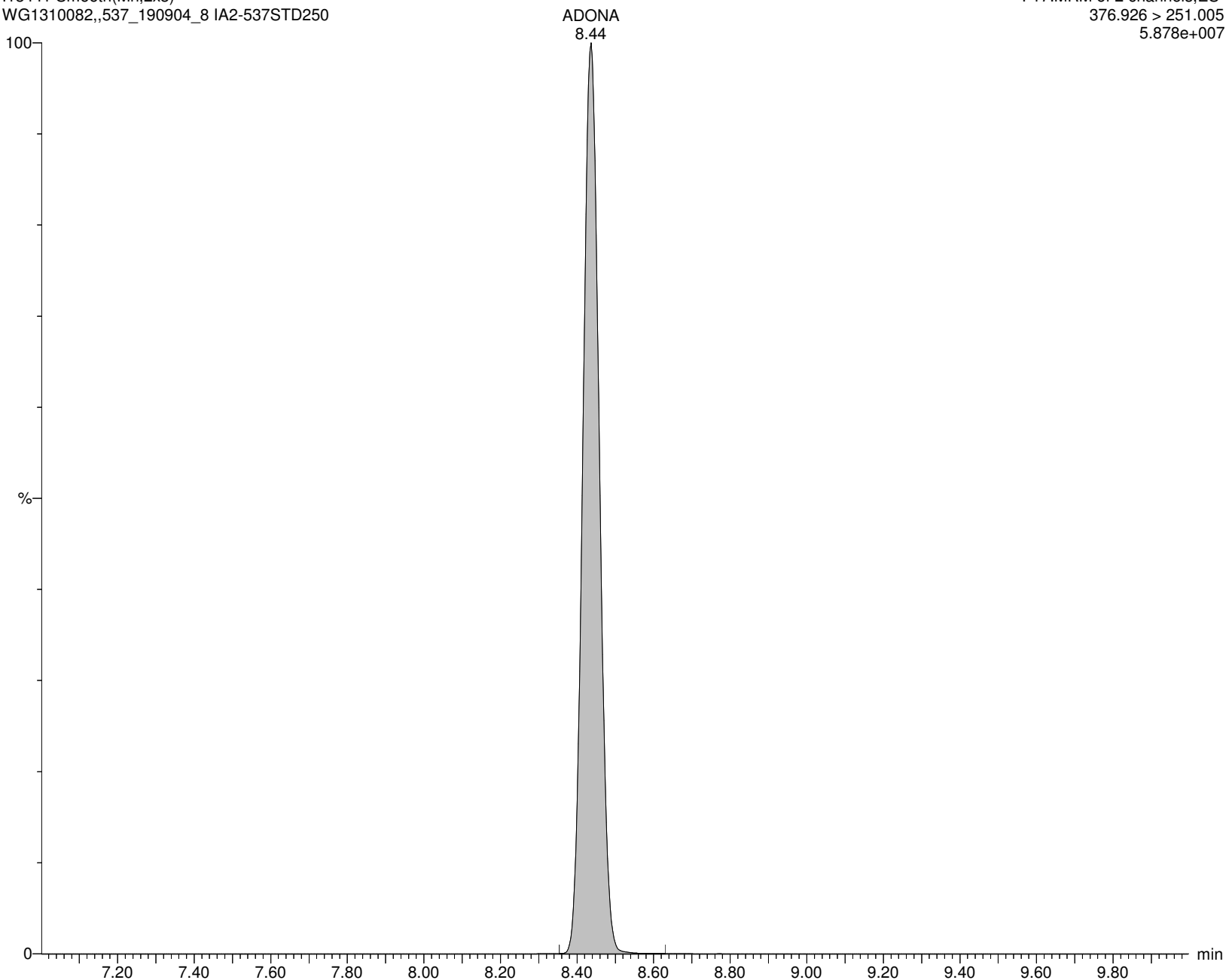
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F17:MRM of 2 channels,ES-

376.926 > 251.005

5.878e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

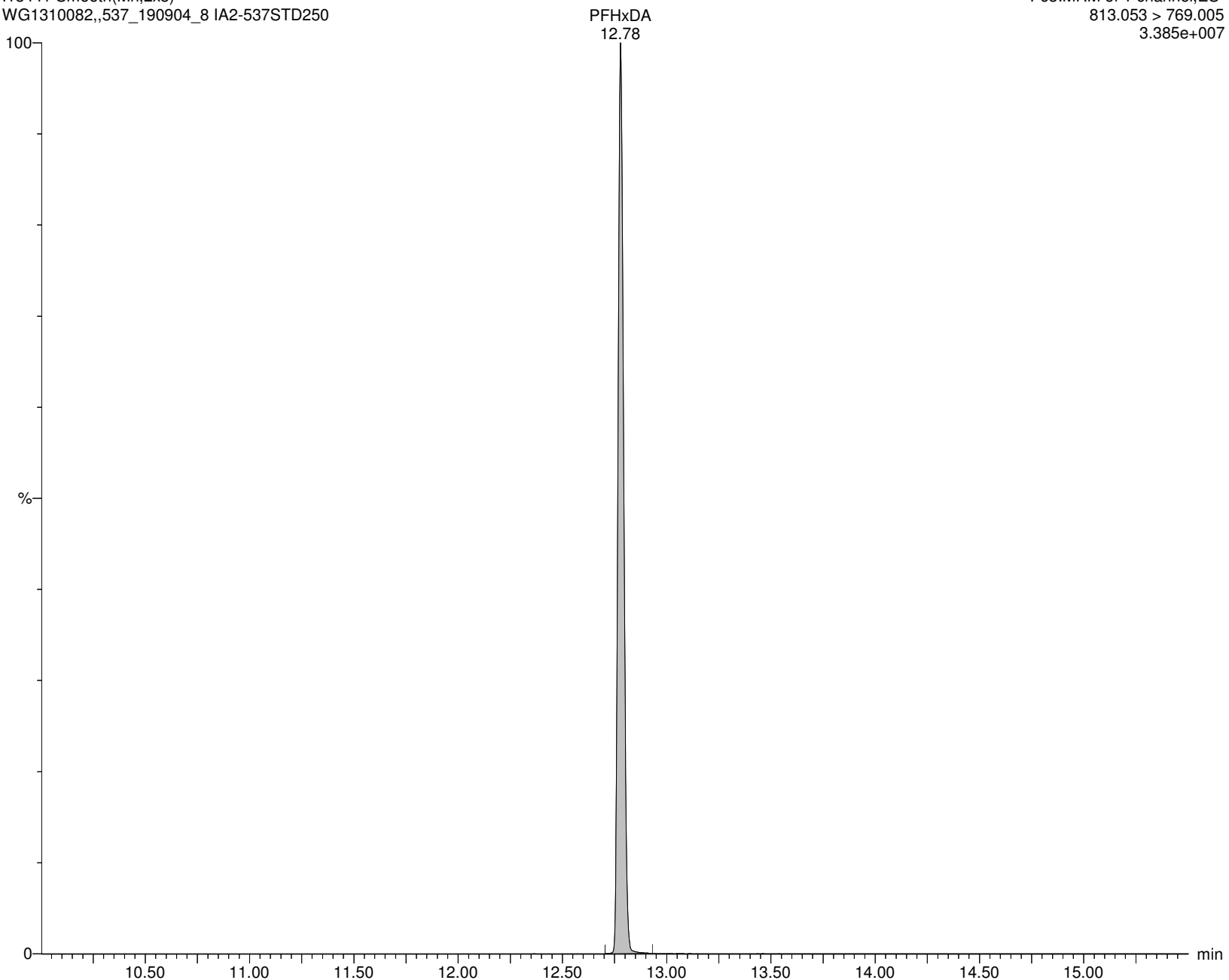
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F63:MRM of 1 channel,ES-

813.053 > 769.005

3.385e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

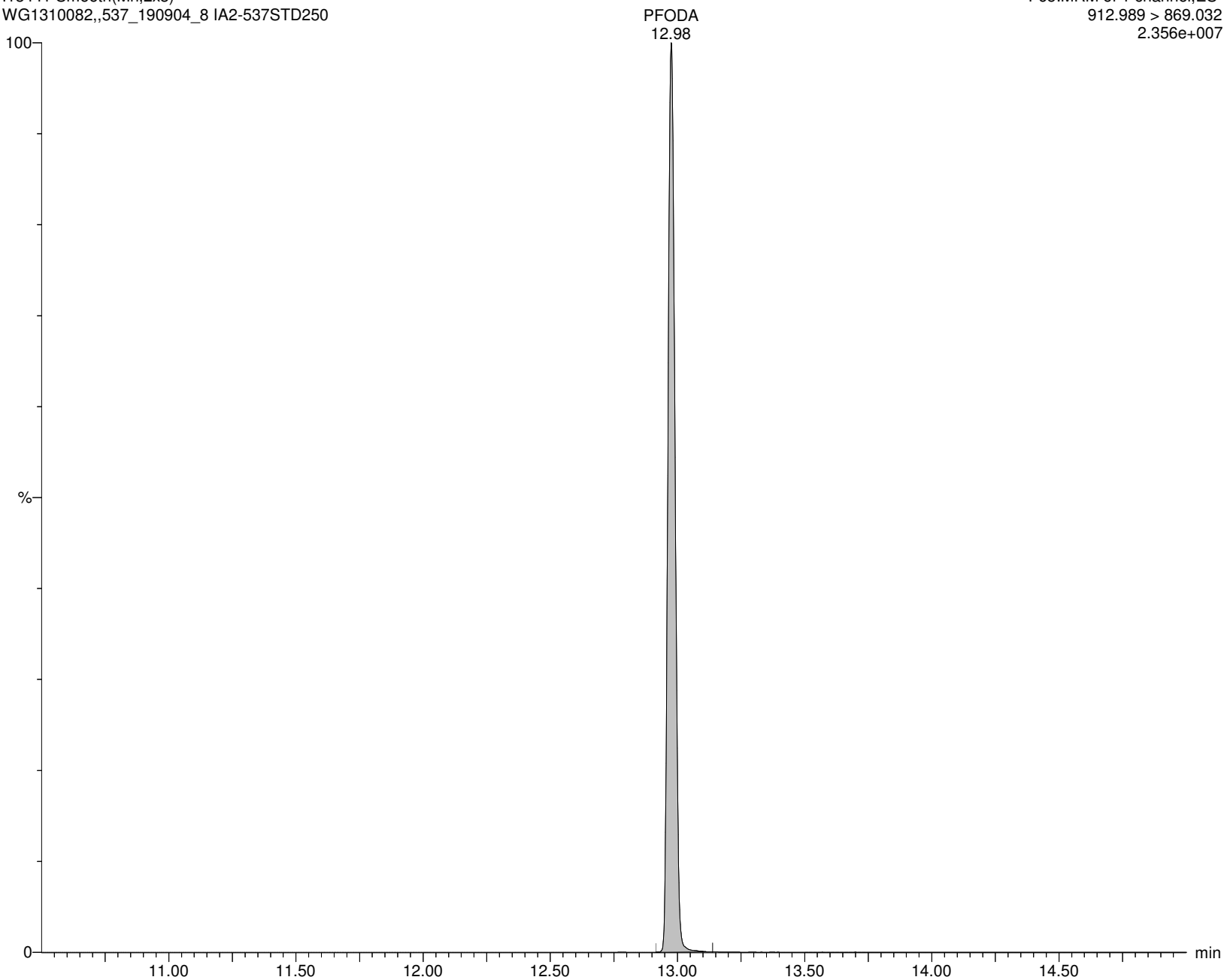
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F65:MRM of 1 channel,ES-

912.989 > 869.032

2.356e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

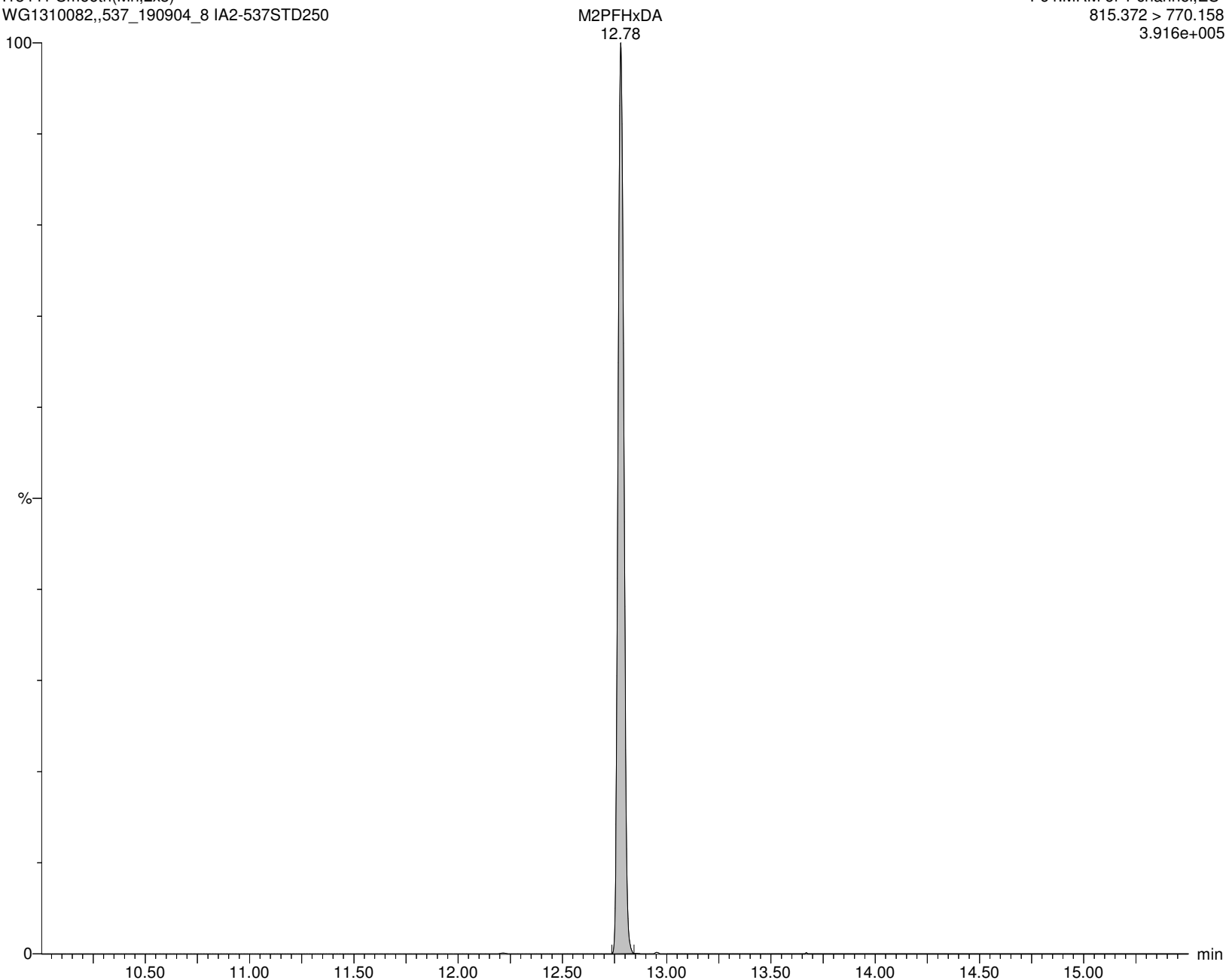
I13441 Smooth(Mn,2x3)

WG1310082,,537_190904_8 IA2-537STD250

F64:MRM of 1 channel,ES-

815.372 > 770.158

3.916e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13441 Smooth(Mn,2x5)

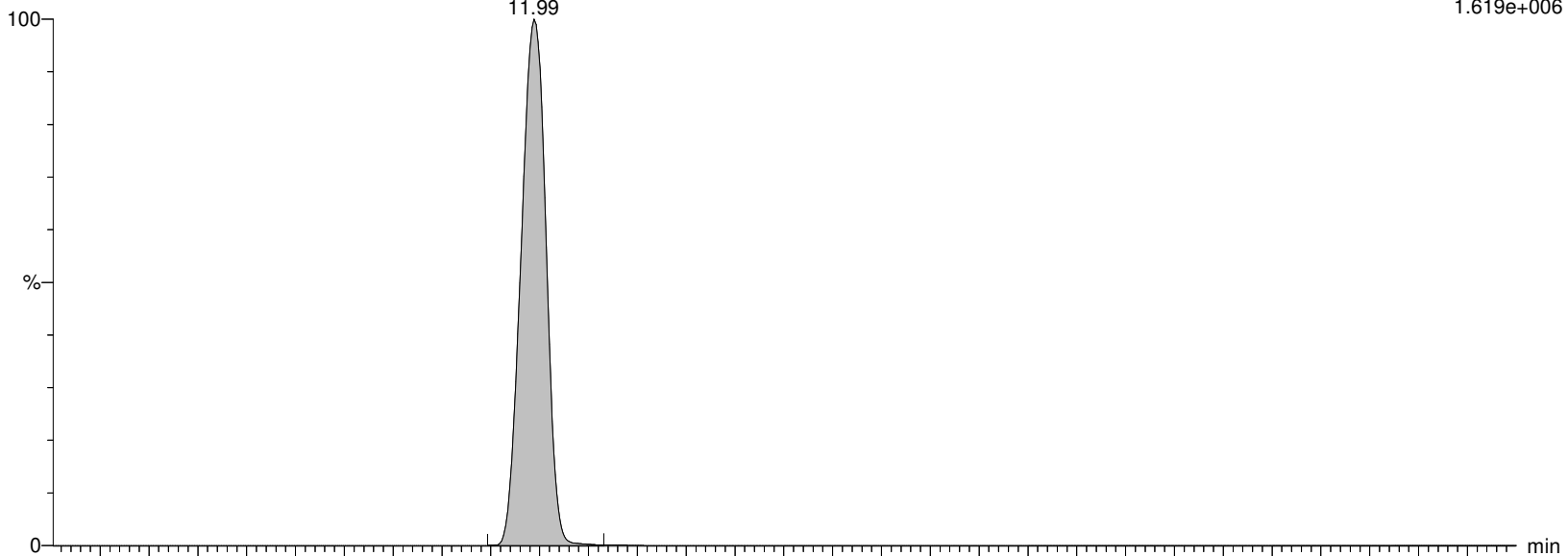
WG1310082,,537_190904_8 IA2-537STD250

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.619e+006



I13441 Smooth(Mn,2x5)

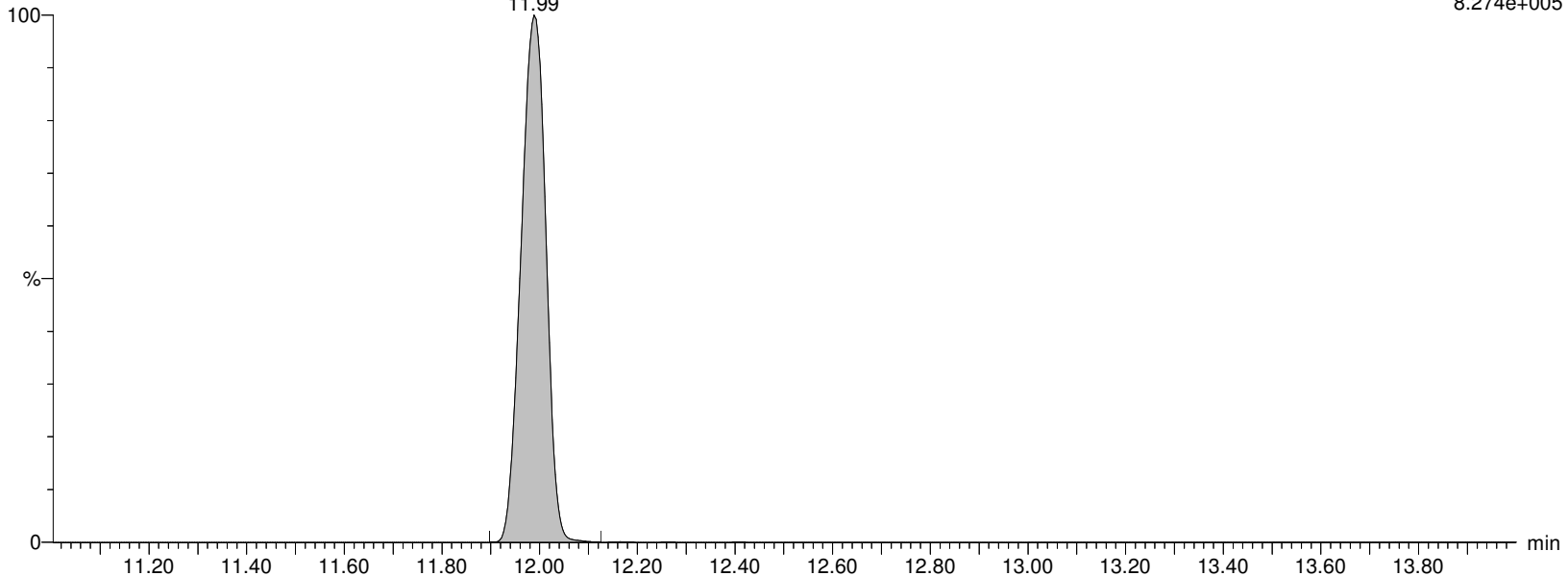
WG1310082,,537_190904_8 IA2-537STD250

PFDoS
11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

8.274e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

10:2FTS

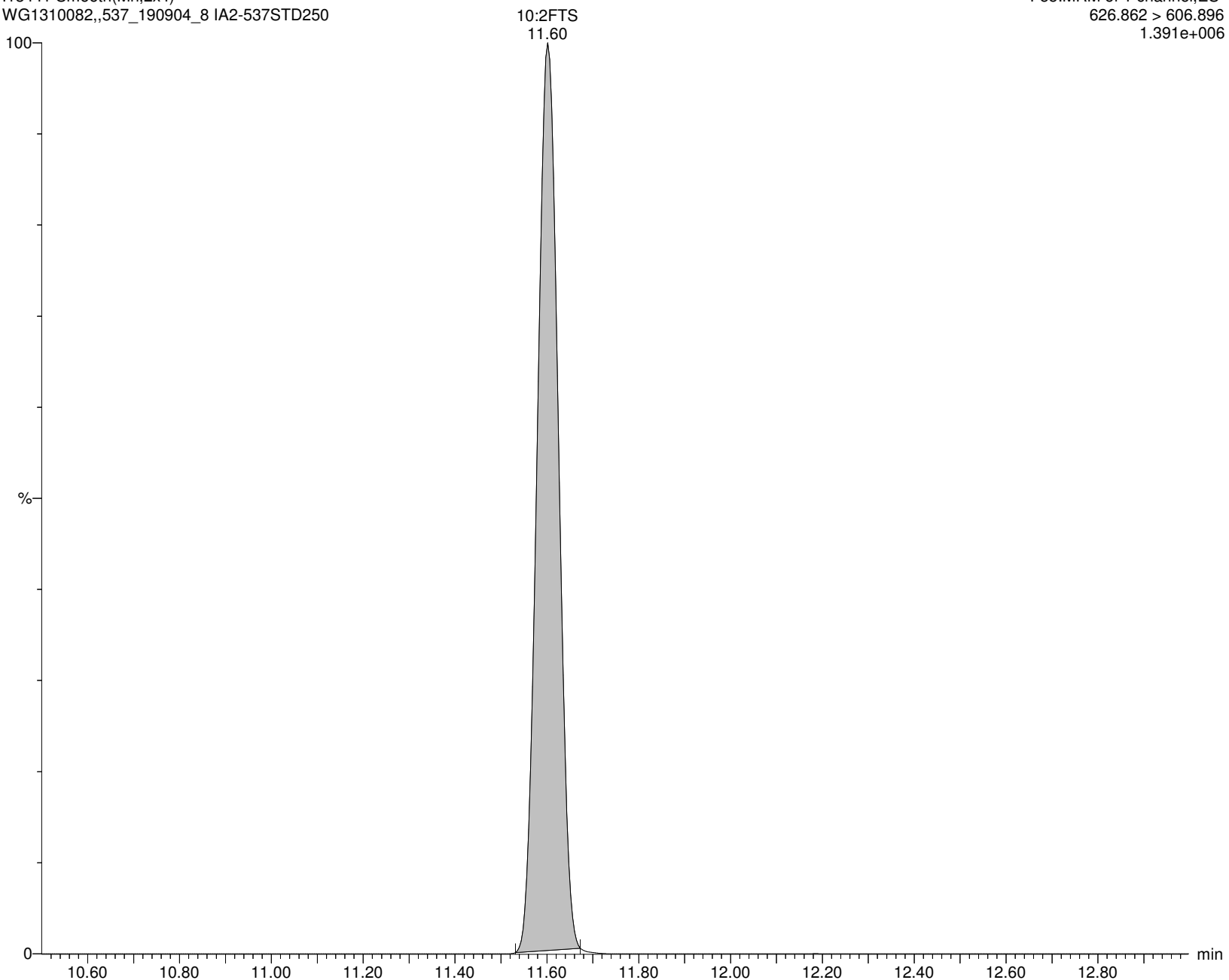
I13441 Smooth(Mn,2x4)

WG1310082,,537_190904_8 IA2-537STD250

F55:MRM of 1 channel,ES-

626.862 > 606.896

1.391e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

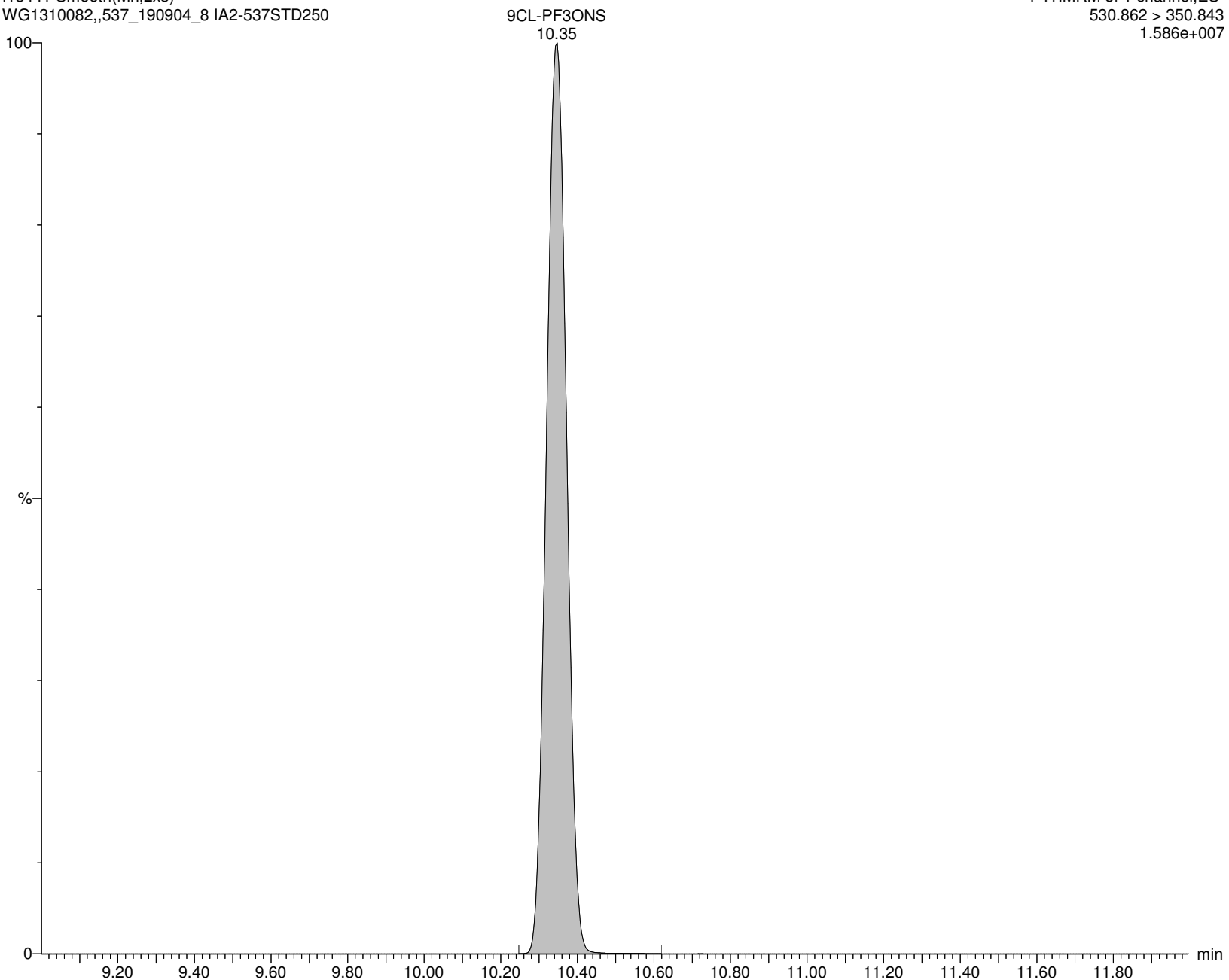
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F41:MRM of 1 channel,ES-

530.862 > 350.843

1.586e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

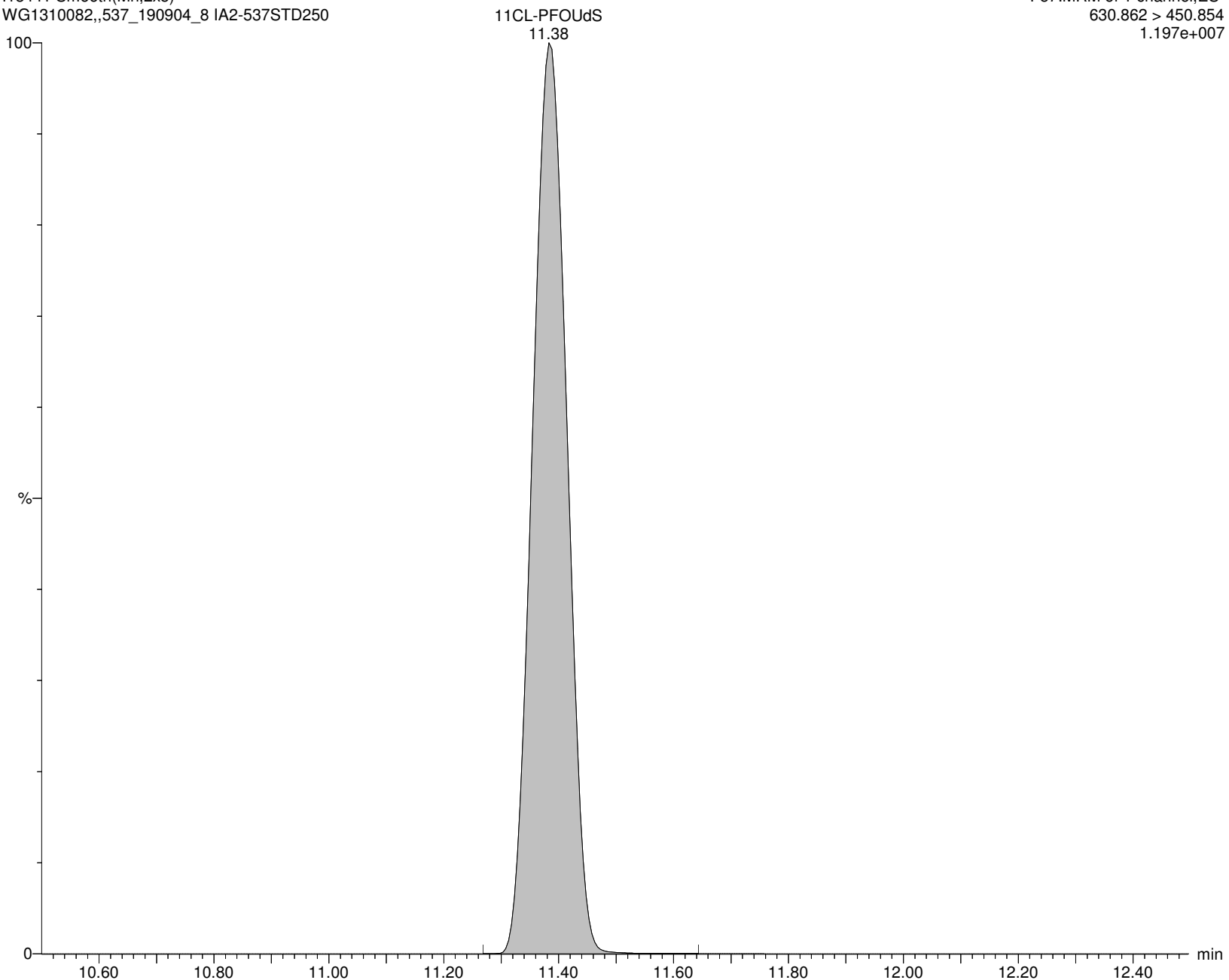
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F57:MRM of 1 channel,ES-

630.862 > 450.854

1.197e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

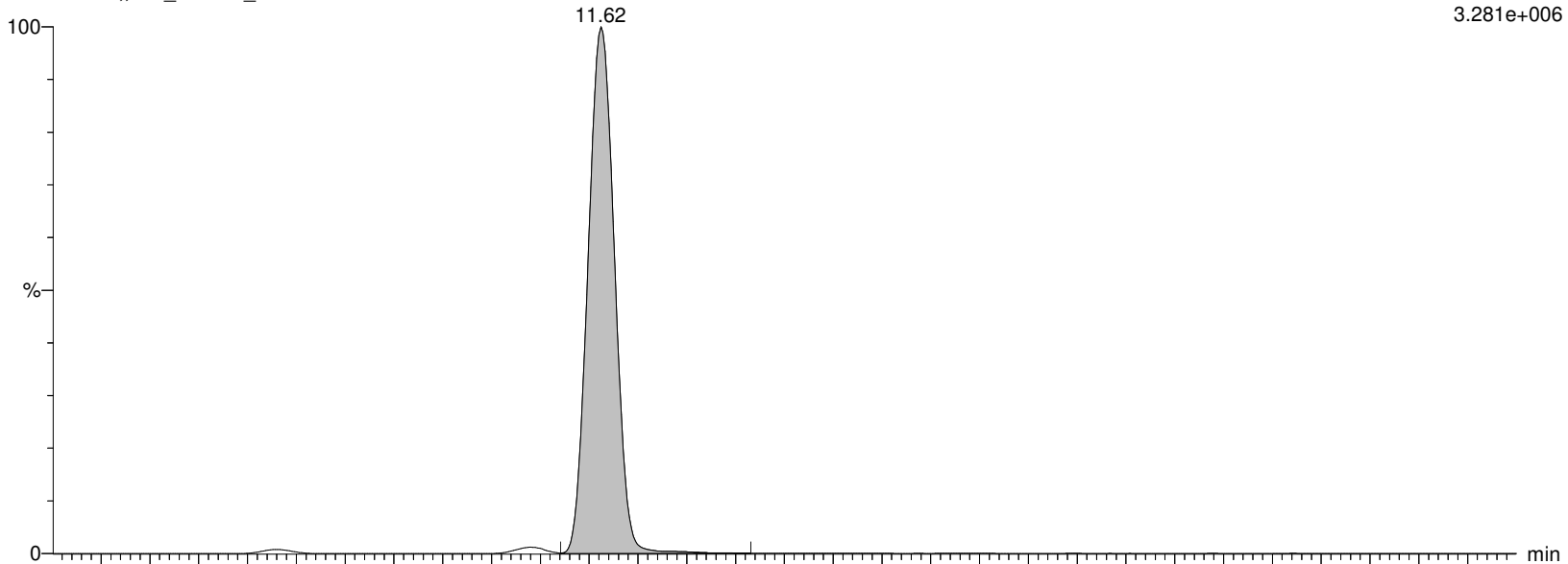
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F33:MRM of 2 channels,ES-

511.804 > 168.906

3.281e+006



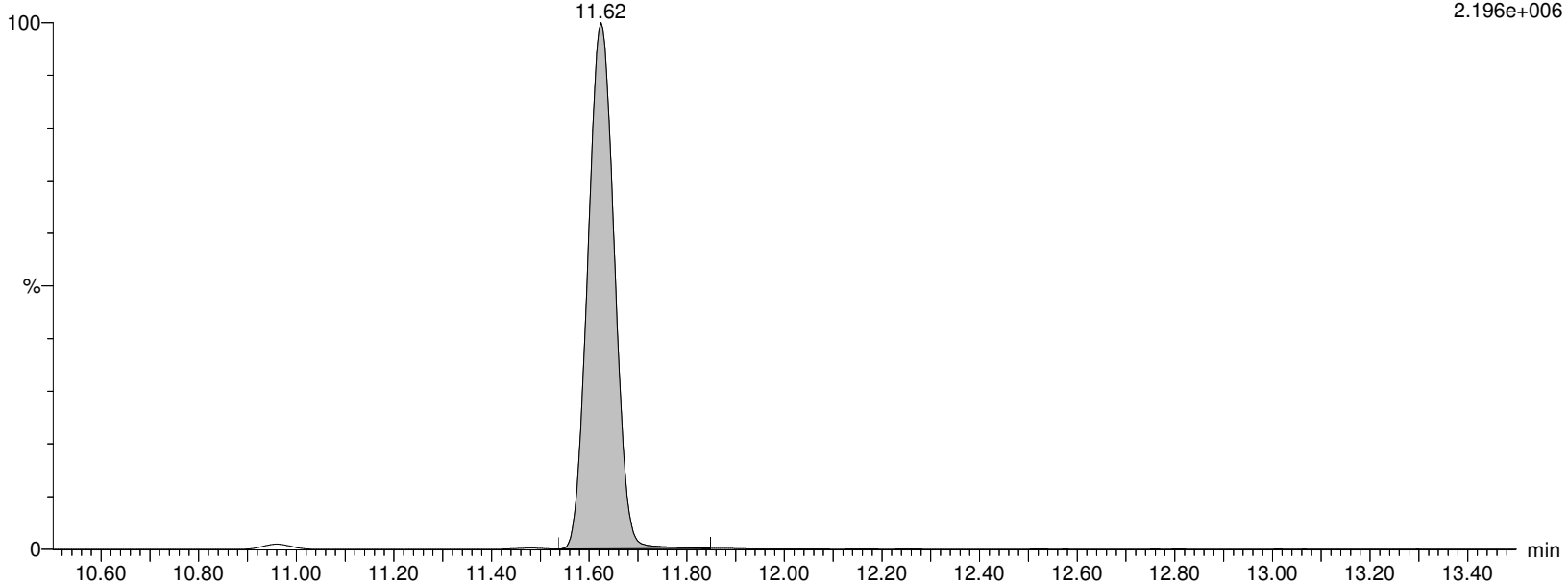
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F33:MRM of 2 channels,ES-

511.804 > 218.918

2.196e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

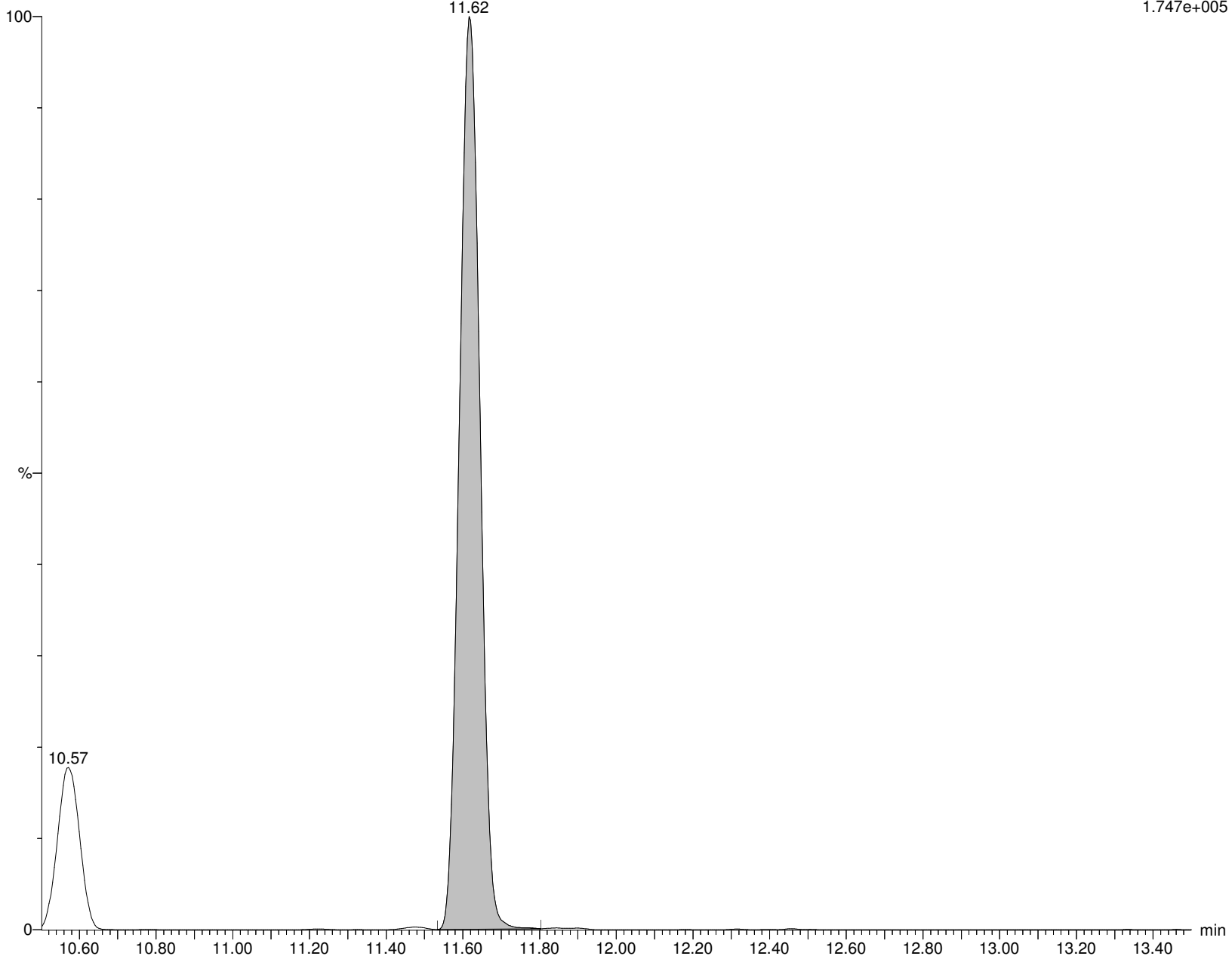
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.747e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

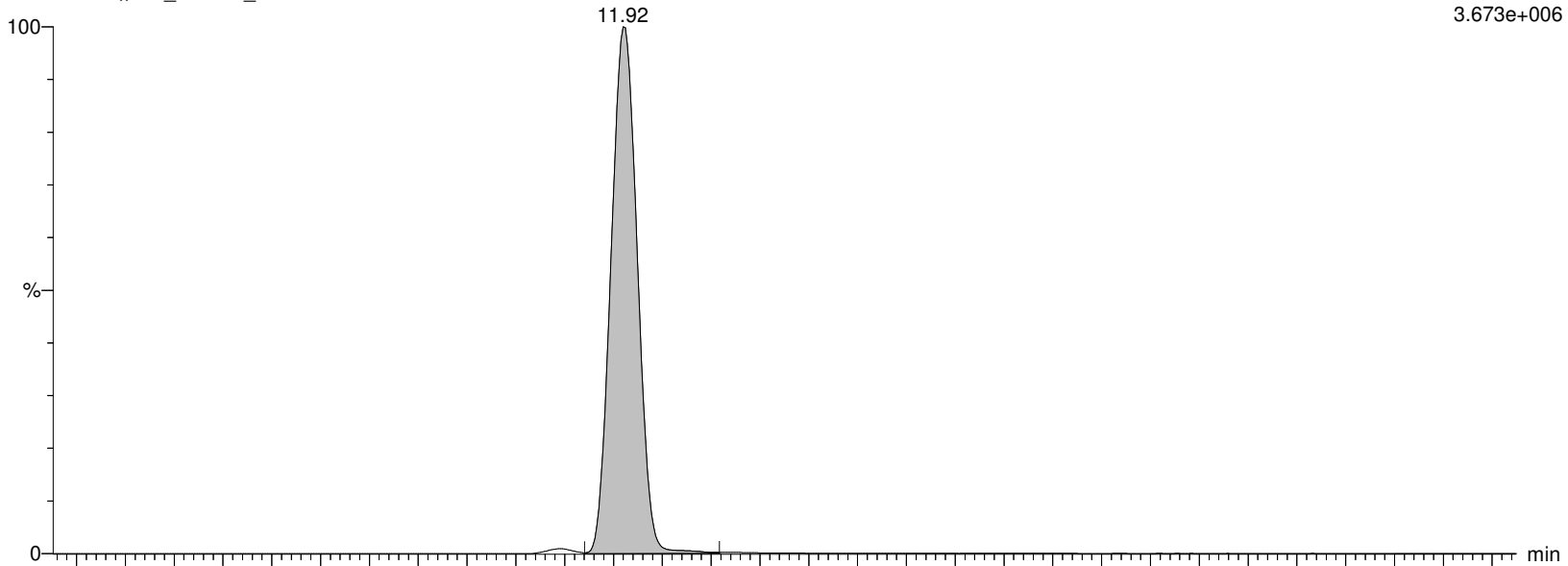
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F38:MRM of 2 channels,ES-

525.84 > 168.92

3.673e+006



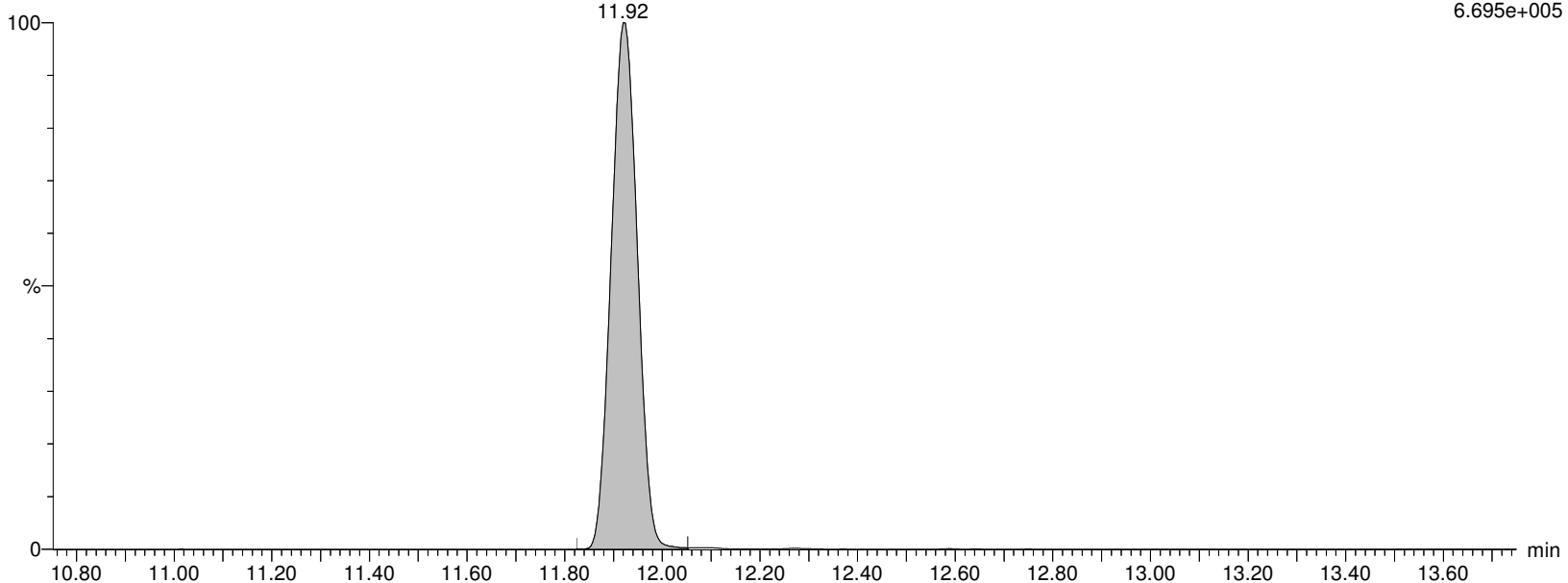
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F38:MRM of 2 channels,ES-

525.84 > 118.893

6.695e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441**ID: IA2-537STD250****Date: 18-Nov-2019****Time: 12:33:16****Description: WG1310082,,537_190904_8****User: LCMS02:JW****Vial: 1:B,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSA**

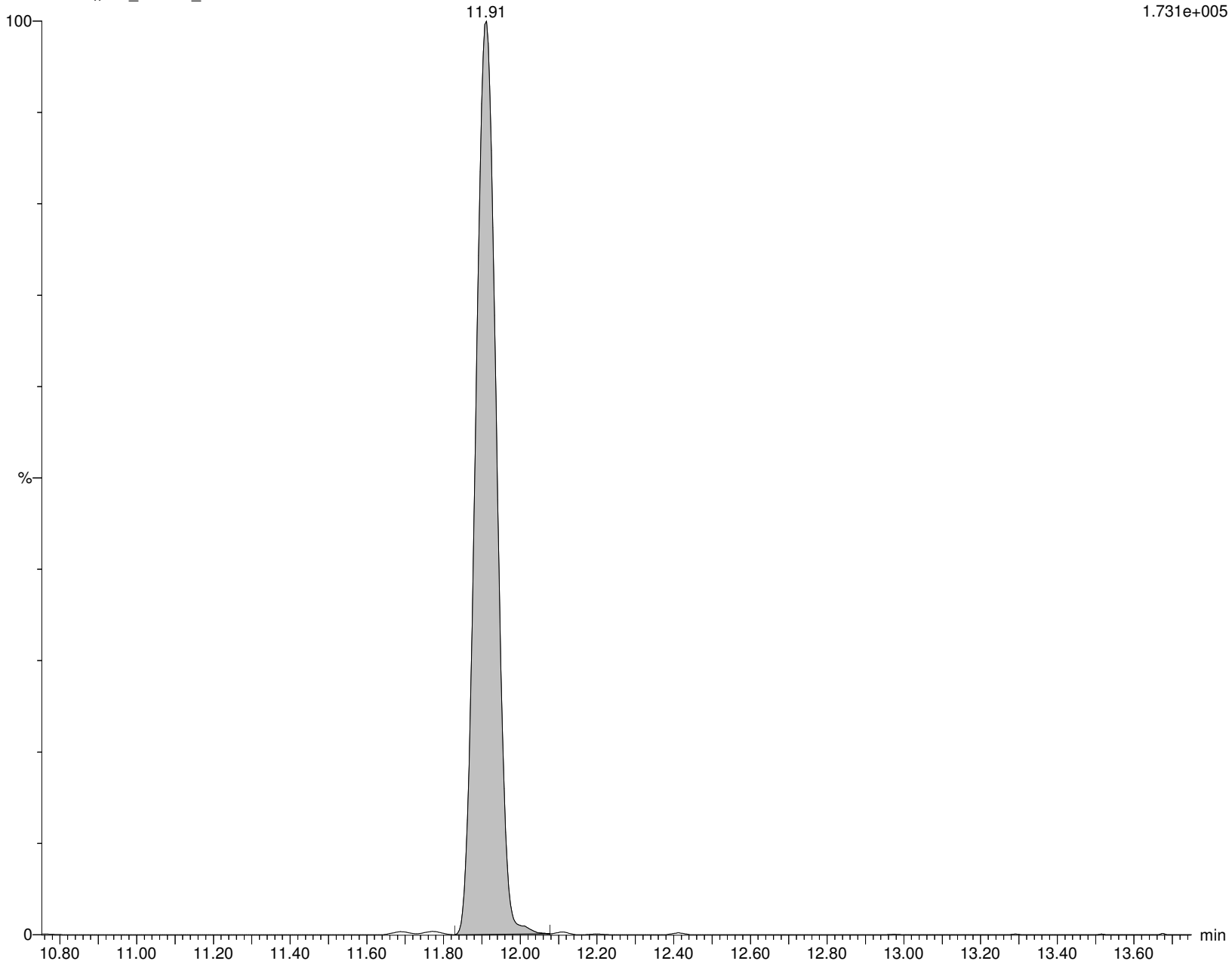
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.731e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

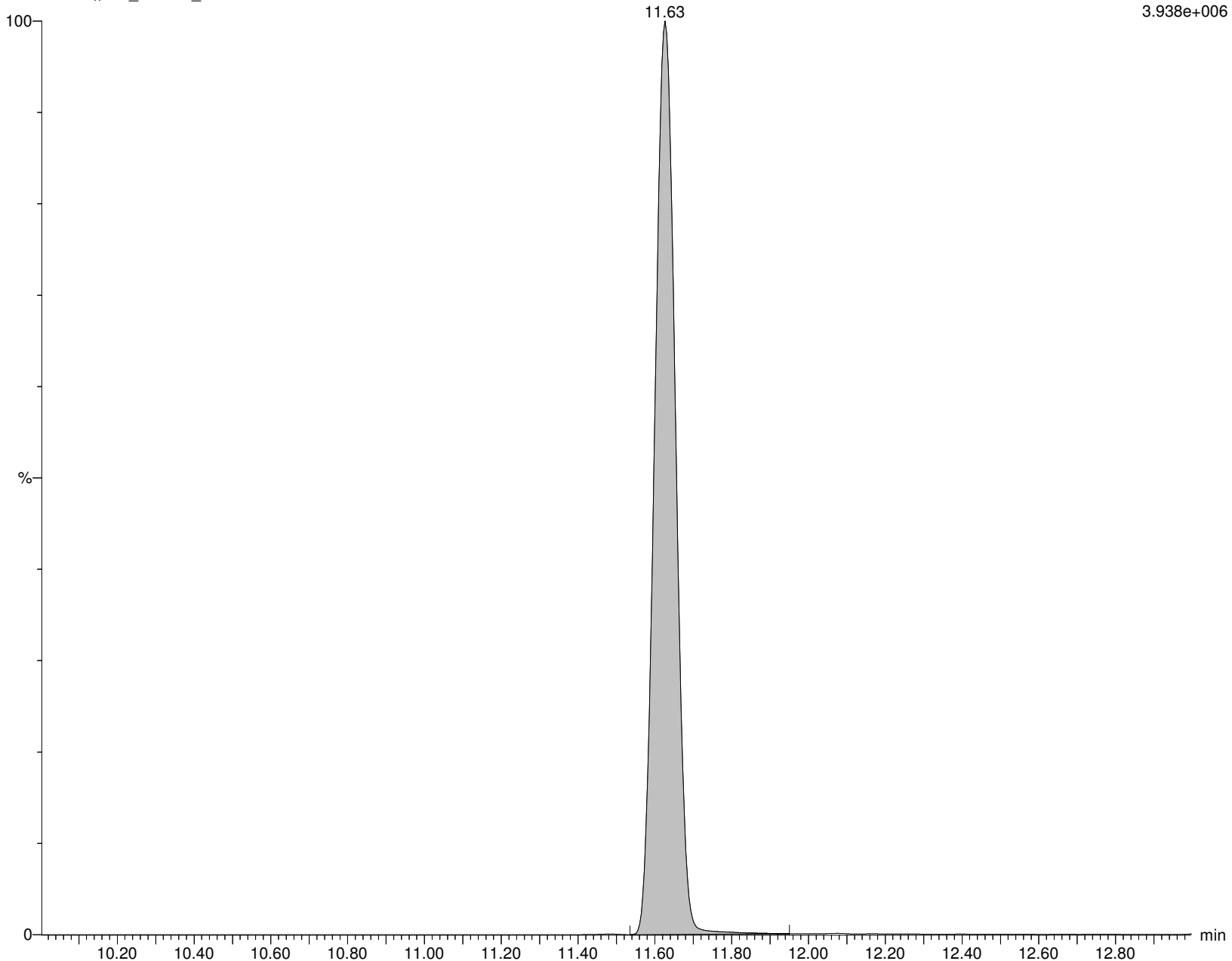
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F53:MRM of 1 channel,ES-

615.862 > 58.9

3.938e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

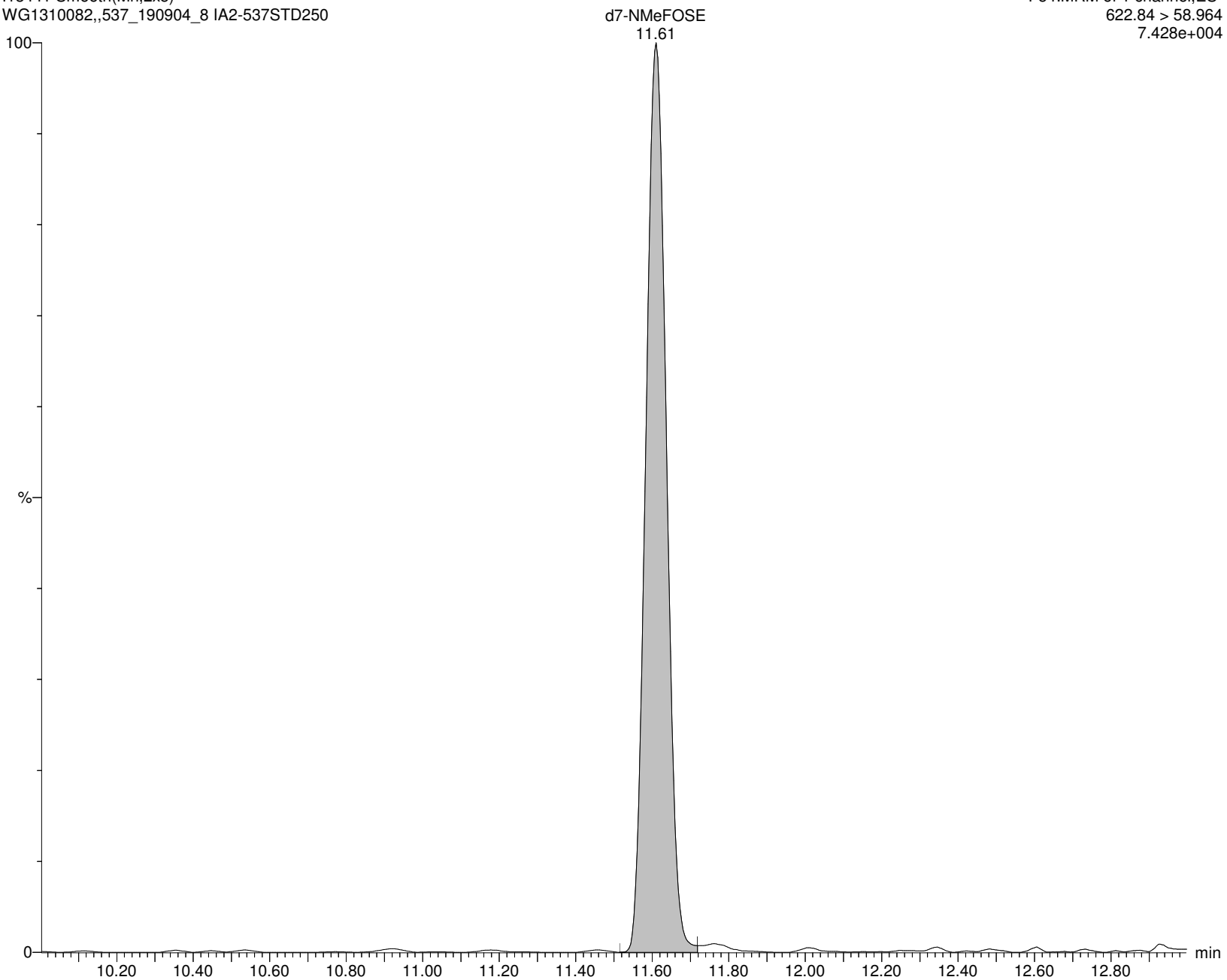
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F54:MRM of 1 channel,ES-

622.84 > 58.964

7.428e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSE

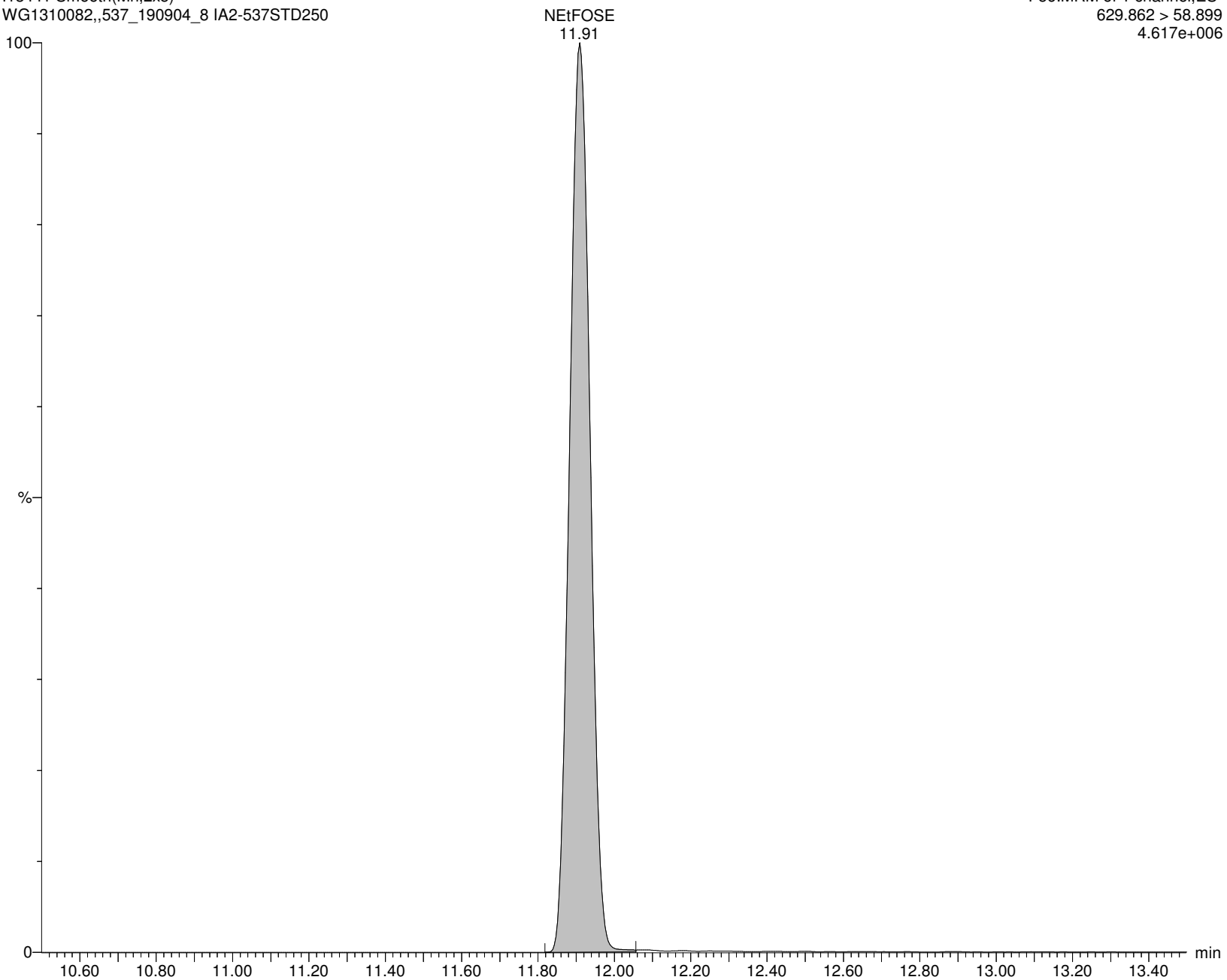
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F56:MRM of 1 channel,ES-

629.862 > 58.899

4.617e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:03 Eastern Standard Time

Name: I13441

ID: IA2-537STD250

Date: 18-Nov-2019

Time: 12:33:16

Description: WG1310082,,537_190904_8

User: LCMS02:JW

Vial: 1:B,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

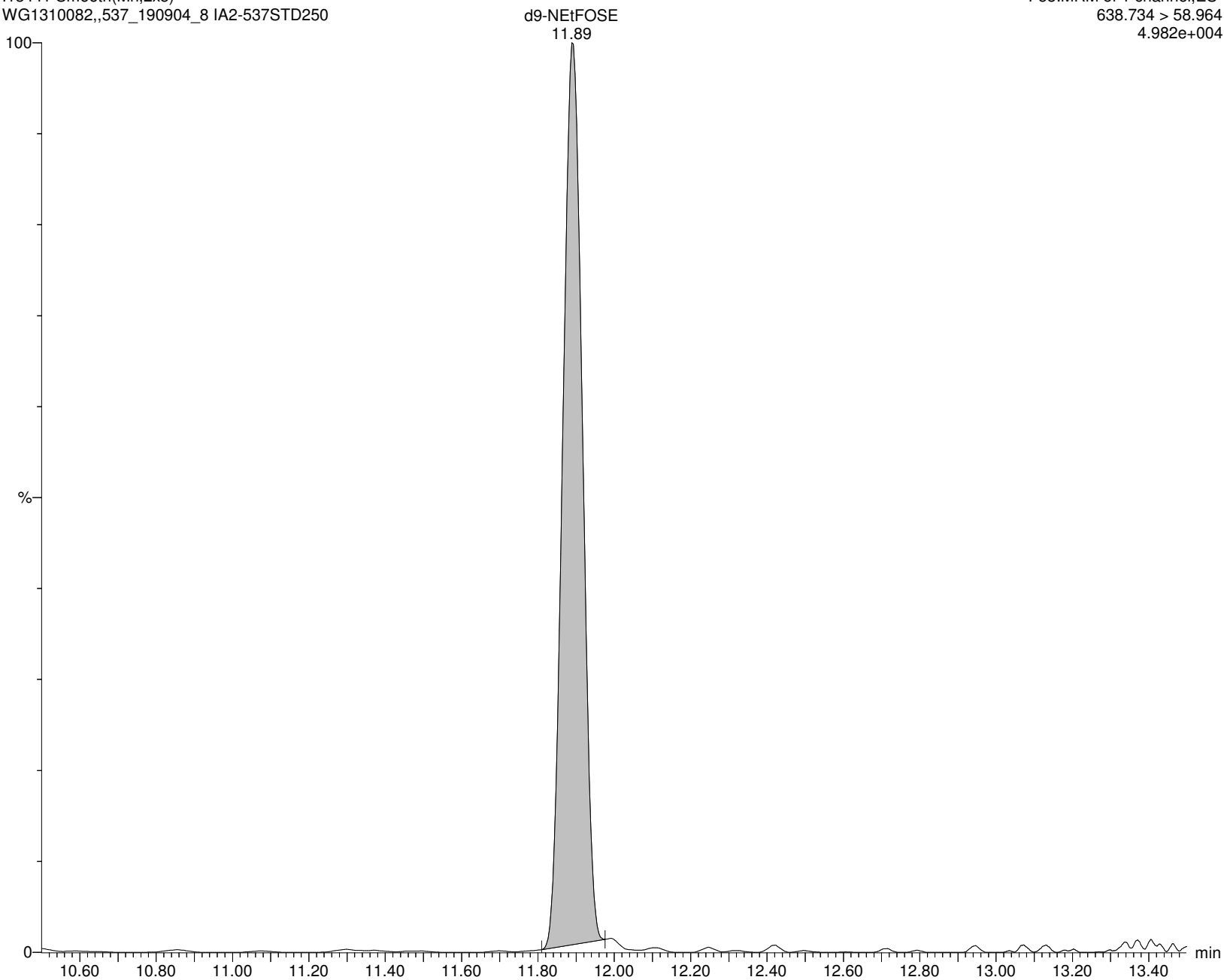
I13441 Smooth(Mn,2x5)

WG1310082,,537_190904_8 IA2-537STD250

F58:MRM of 1 channel,ES-

638.734 > 58.964

4.982e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: IA2-537STD500

Name: I13442

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	1988963		487.854		na	97.6
2	M3PFBA	INT STD	2.20	215.926 > 172.122	44687		9.644		na	96.4
3	MPFBA	INT STD	2.20	216.926 > 172.137	48827		10.040		na	100.4
4	PFPeA	2706-90-3	5.09	262.926 > 219.002	3063172		489.018		na	97.8
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	64857		9.403		na	94.0
6	PFBS	375-73-5	5.73	298.926 > 79.923	533040		432.126	1.90	NO	97.7
7	M3PFBS	INT STD	5.74	301.989 > 80.254	8396		11.367		na	113.7
8	4:2FTS	757124-72-4	6.91	326.926 > 306.957	268378		ND	2.19	NO	
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	16746		34.921		na	349.2
10	PFHxA	307-24-4	6.98	312.989 > 269.028	3131820		491.234	18.32	NO	98.2
11	M5PFHxA	INT STD	6.98	317.989 > 273.045	69256		10.284		na	102.8
12	PFPeS	2706-91-4	7.28	348.926 > 80.251	317015		478.701	1.78	NO	101.9
13	PFHpA	375-85-9	8.25	362.926 > 319.014	3907236		485.746	5.80	NO	97.1
14	M4PFHpA	INT STD	8.25	366.926 > 321.979	89172		9.941		na	99.4
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	60734	M5	84.444	2.29	NO	99.3
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	184133		371.225	1.18	NO	100.3
17	PFHxS	355-46-4		398.926 > 80.295	244868		455.669		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	3960		9.289		na	92.9
19	br-PFOA	335-67-1		412.989 > 368.9			ND	0.00	NO	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	3792058		485.579	9.98	NO	97.1
21	PFOA	335-67-1		412.989 > 368.9	3792058		485.579		na	
22	M8PFOA	INT STD	9.20	420.989 > 375.979	85048		9.880		na	98.8
23	M2PFOA	INT STD	9.19	415.032 > 369.968	87972		8.322		na	83.2
24	6:2FTS	27619-97-2	9.15	426.989 > 406.921	196701		ND	9.82	NO	
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	16173		34.510		na	345.1
26	PFHpS	375-92-8	9.29	448.926 > 80.257	167010		448.266	0.84	NO	94.4
27	PFNA	375-95-1	9.95	462.989 > 418.931	3262202		485.252	4.54	NO	97.1
28	M9PFNA	INT STD	9.95	472.053 > 426.947	82061		9.689		na	96.9
29	br-PFOS	1763-23-1	9.81	498.989 > 80.294	99553	M5	99.112	4.46	NO	99.1
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	193598		348.655	1.51	YES	95.5
31	PFOS	1763-23-1		498.989 > 80.294	293151		447.767		na	
32	M4PFOS	INT STD	10.00	503.032 > 80.306	5277		7.555		na	75.6
33	M8PFOS	INT STD	10.00	507.053 > 80.294	5658		10.450		na	104.5
34	PFDA	335-76-2	10.57	513.053 > 468.906	2803895		493.667	6.72	NO	98.7
35	M2PFDA	INT STD	10.57	515.053 > 469.934	66127		7.490		na	74.9
36	M6PFDA	INT STD	10.57	519.053 > 473.931	66210		9.688		na	96.9
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	122449		ND		na	
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	8146		29.628		na	296.3
39	PFNS	68259-12-1	10.61	548.989 > 80.249	212195		403.183	1.26	NO	84.0

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

ID: IA2-537STD500

Name: I13442

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.96	573.096 > 418.987	10688		13.732		na	137.3
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND	0.00	NO	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	463842		465.644	2.68	NO	93.1
43	NMeFOSAA	2355-31-9		570.053 > 418.917	463842		465.644		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	2591577		494.577	8.06	NO	98.9
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	54794		9.037		na	90.4
46	PFDS	335-77-3	11.13	598.926 > 80.314	148916		395.857	0.98	NO	82.0
47	FOSA	754-91-6	11.01	497.989 > 78.245	949921		495.235	125.07	NO	99.0
48	M8FOSA	INT STD	11.01	506.053 > 78.286	18052		11.172		na	111.7
49	d5-NEtFOSAA	INT STD	11.25	589.117 > 418.929	9097		13.230		na	132.3
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	417755		486.475	2.52	NO	97.3
52	NEtFOSAA	2991-50-6		583.989 > 418.927	417755		486.475		na	
53	PFDoA	307-55-1	11.59	612.989 > 568.967	2884692		482.251	13.98	NO	96.5
54	MPFDOA	INT STD	11.59	614.989 > 569.92	70624		10.383		na	103.8
55	PFTrDA	72629-94-8	12.00	663.053 > 618.969	1976668		730.913	11.31	NO	146.2
56	PFTA	376-06-7	12.36	713.053 > 668.976	2216106		484.540	8.77	NO	96.9
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	57111		10.571		na	105.7
58	M3HFPO-DA	INT STD	7.37	331.989 > 286.995	15713		416.633		na	208.3
59	HFPO-DA	13252-13-6	7.37	284.819 > 169.094	1248450		9569.328	2.65	YES	95.7
60	ADONA	958445-44-8	8.43	376.926 > 251.005	5047635		451.460		na	95.4
61	PFHxDA		12.78	813.053 > 769.005	1578940		493.304		na	98.7
62	PFODA		12.98	912.989 > 869.032	1172349		495.065		na	99.0
63	M2PFHxDA		12.78	815.372 > 770.158	11692		10.167		na	101.7
64	PFDoS		11.99	698.649 > 79.853	148644		387.613	1.96	YES	77.5
65	10:2FTS		11.60	626.862 > 606.896	120841		ND		na	
66	9CL-PF3ONS		10.35	530.862 > 350.843	1621731		436.130		na	93.6
67	11CL-PFOUdS		11.39	630.862 > 450.854	1378542		439.759		na	93.4
68	NMeFOSA		11.63	511.804 > 168.906	381907		468.985	1.48	NO	93.8
69	d3-NMeFOSA		11.62	514.84 > 168.917	10957		13.002		na	130.0
70	NEtFOSA		11.92	525.84 > 168.92	425931		495.631	5.72	NO	99.1
71	d5-NEtFOSA		11.91	530.904 > 168.919	9808		11.899		na	119.0
72	NMeFOSE		11.63	615.862 > 58.9	415137		470.976		na	94.2
73	d7-NMeFOSE		11.61	622.84 > 58.964	4357		11.040		na	110.4
74	NEtFOSE		11.91	629.862 > 58.899	502557		408.793		na	81.8
75	d9-NEtFOSE		11.89	638.734 > 58.964	3114		13.495		na	135.0

Alpha Analytical Inc.

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Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:05:34

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

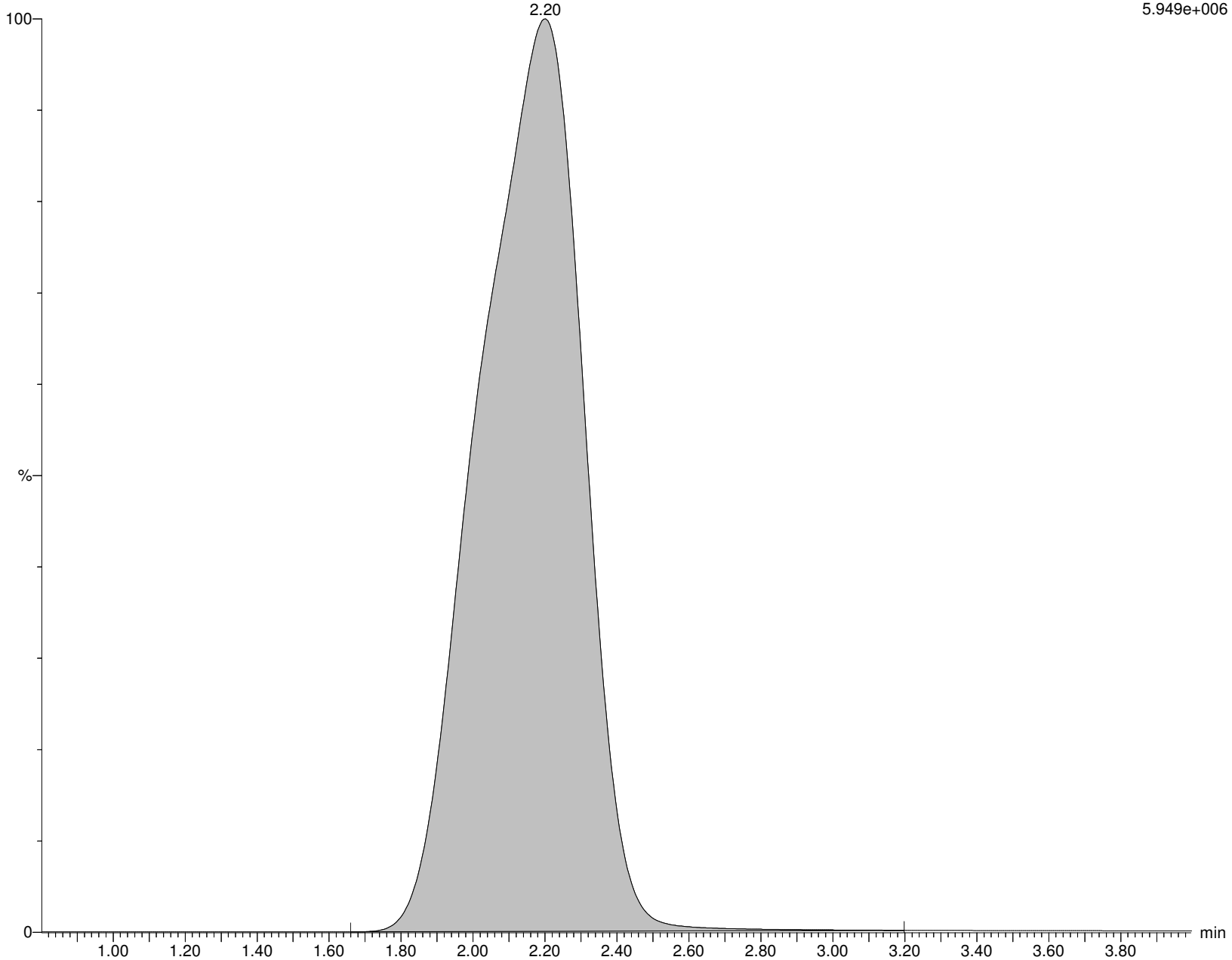
I13442 Smooth(Mn,8x8)

WG1310082,,537_190904_9 IA2-537STD500

F1:MRM of 1 channel,ES-

212.926 > 169.111

5.949e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

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User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

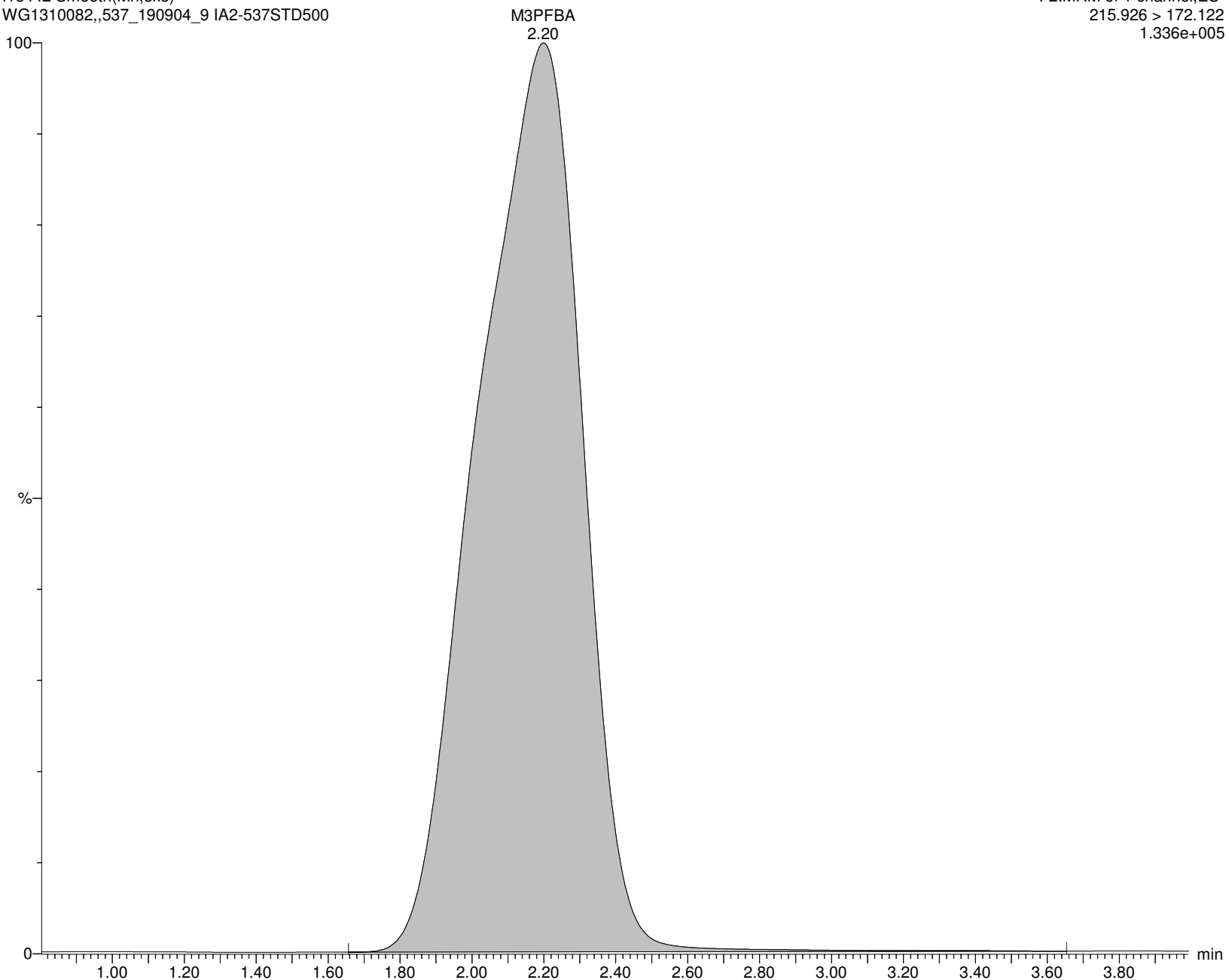
I13442 Smooth(Mn,8x8)

WG1310082,,537_190904_9 IA2-537STD500

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.336e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFBA

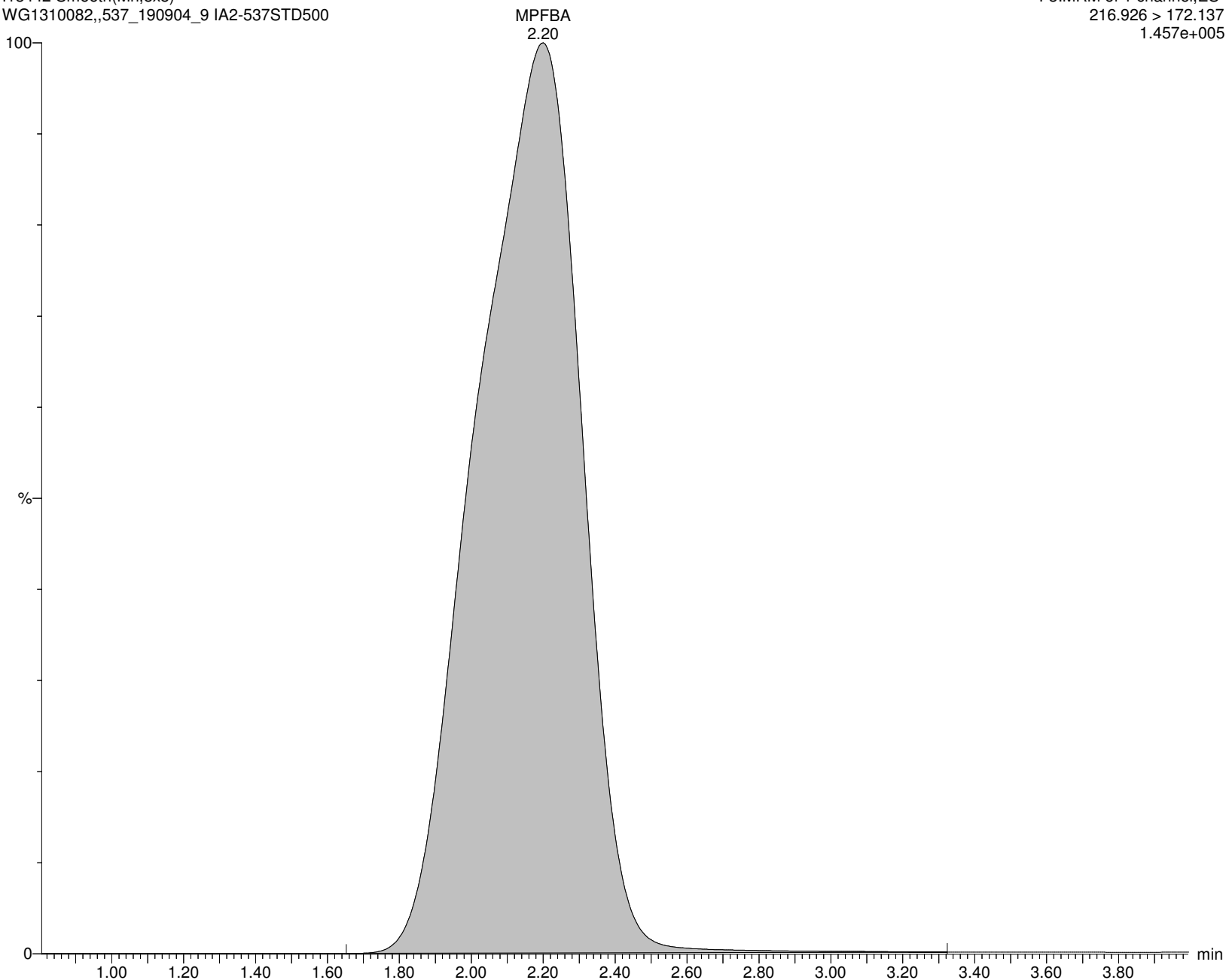
I13442 Smooth(Mn,8x8)

WG1310082,,537_190904_9 IA2-537STD500

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.457e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

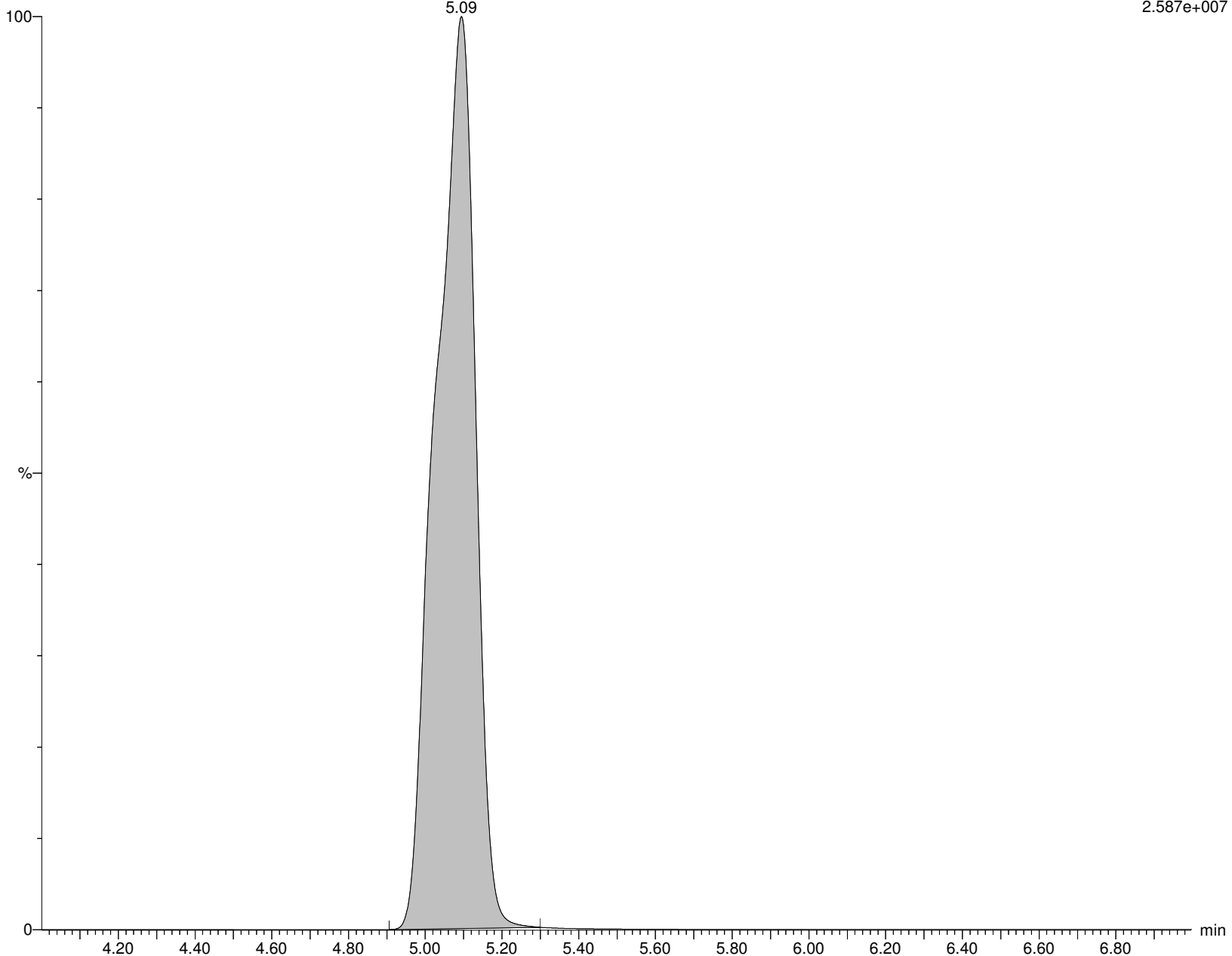
I13442 Smooth(Mn,7x7)

WG1310082,,537_190904_9 IA2-537STD500

F4:MRM of 1 channel,ES-

262.926 > 219.002

2.587e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

I13442 Smooth(Mn,10x10)

WG1310082,,537_190904_9 IA2-537STD500

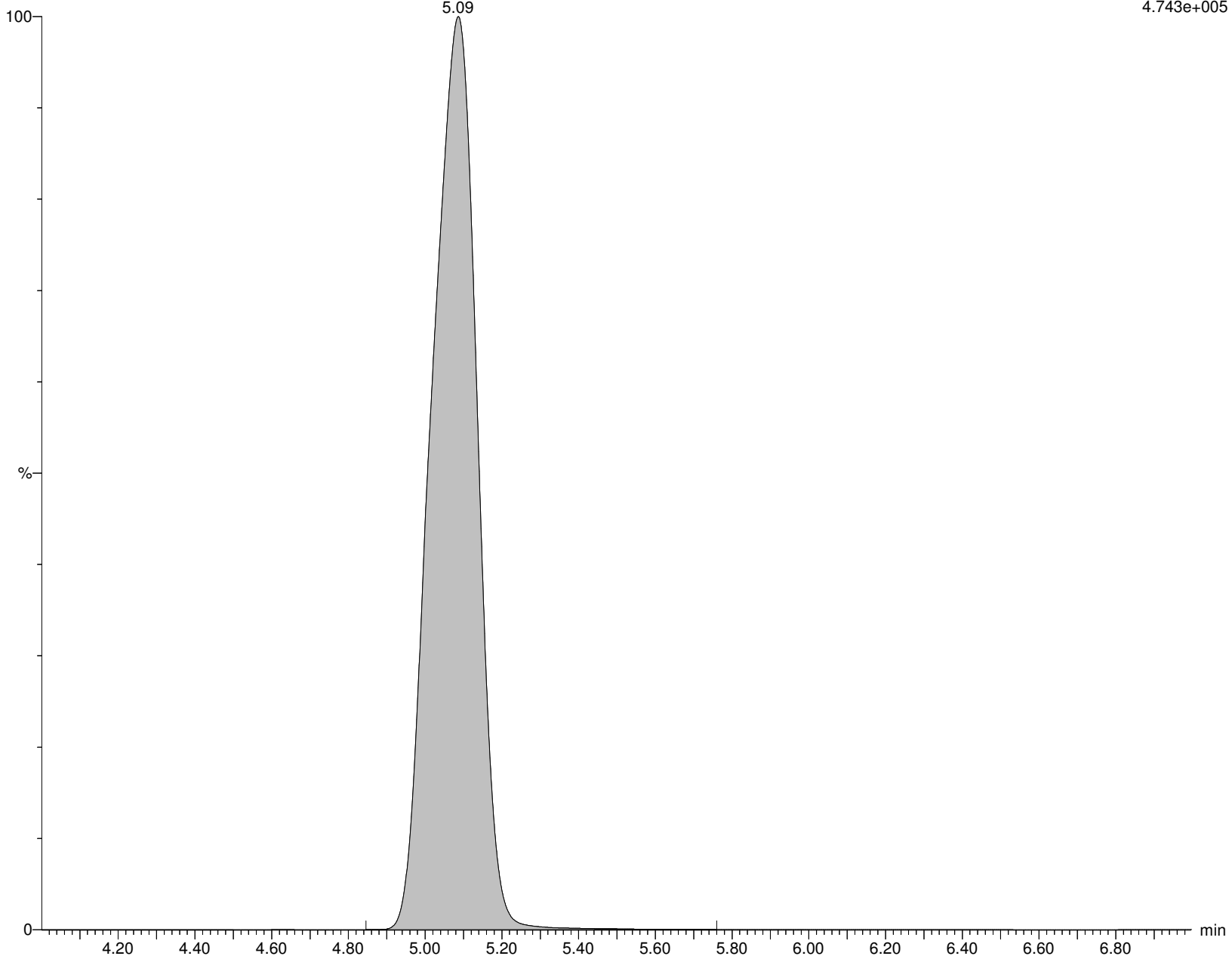
M5PFPEA

5.09

F5:MRM of 1 channel,ES-

267.989 > 223.081

4.743e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

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Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

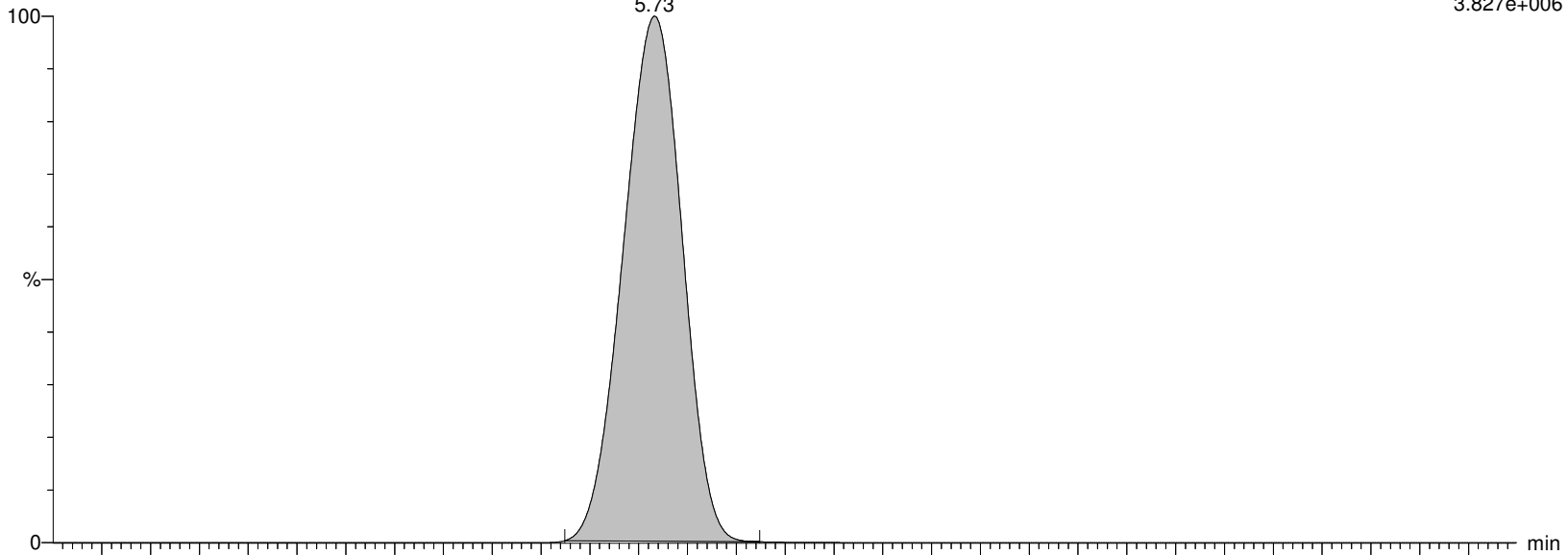
I13442 Smooth(Mn,10x10)

WG1310082,,537_190904_9 IA2-537STD500

F7:MRM of 2 channels,ES-

298.926 > 79.923

3.827e+006



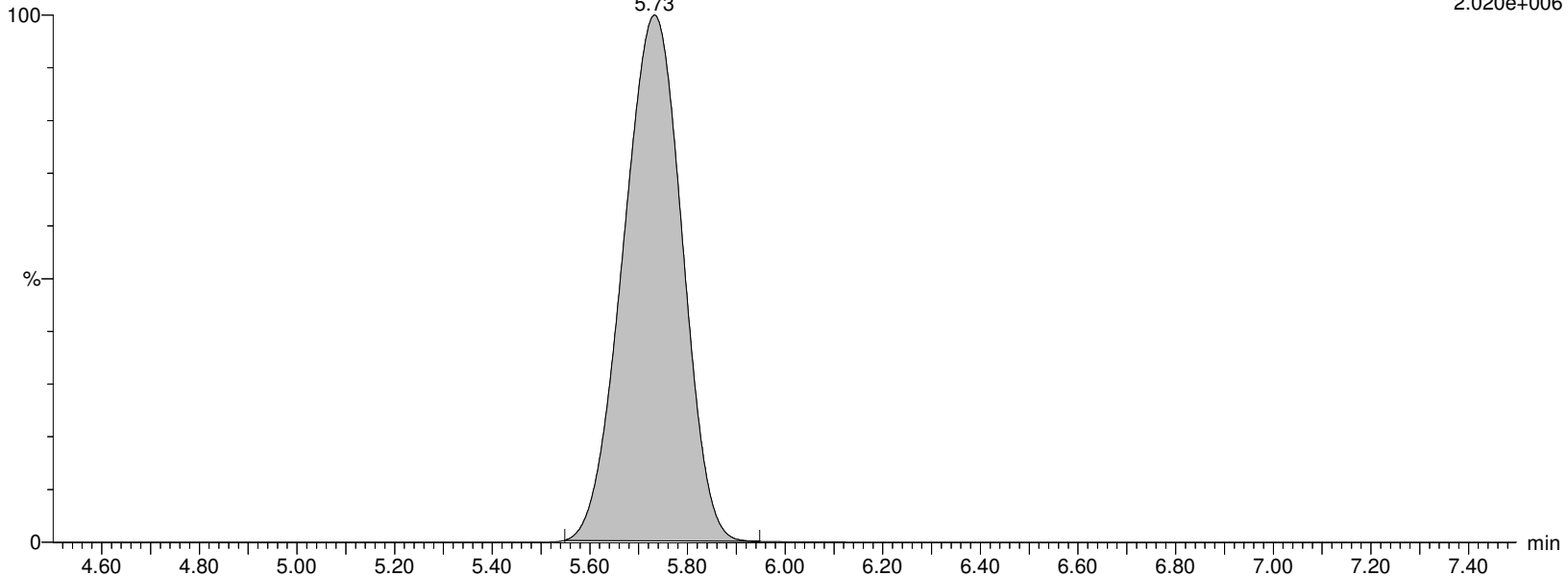
I13442 Smooth(Mn,10x10)

WG1310082,,537_190904_9 IA2-537STD500

F7:MRM of 2 channels,ES-

298.926 > 98.862

2.020e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

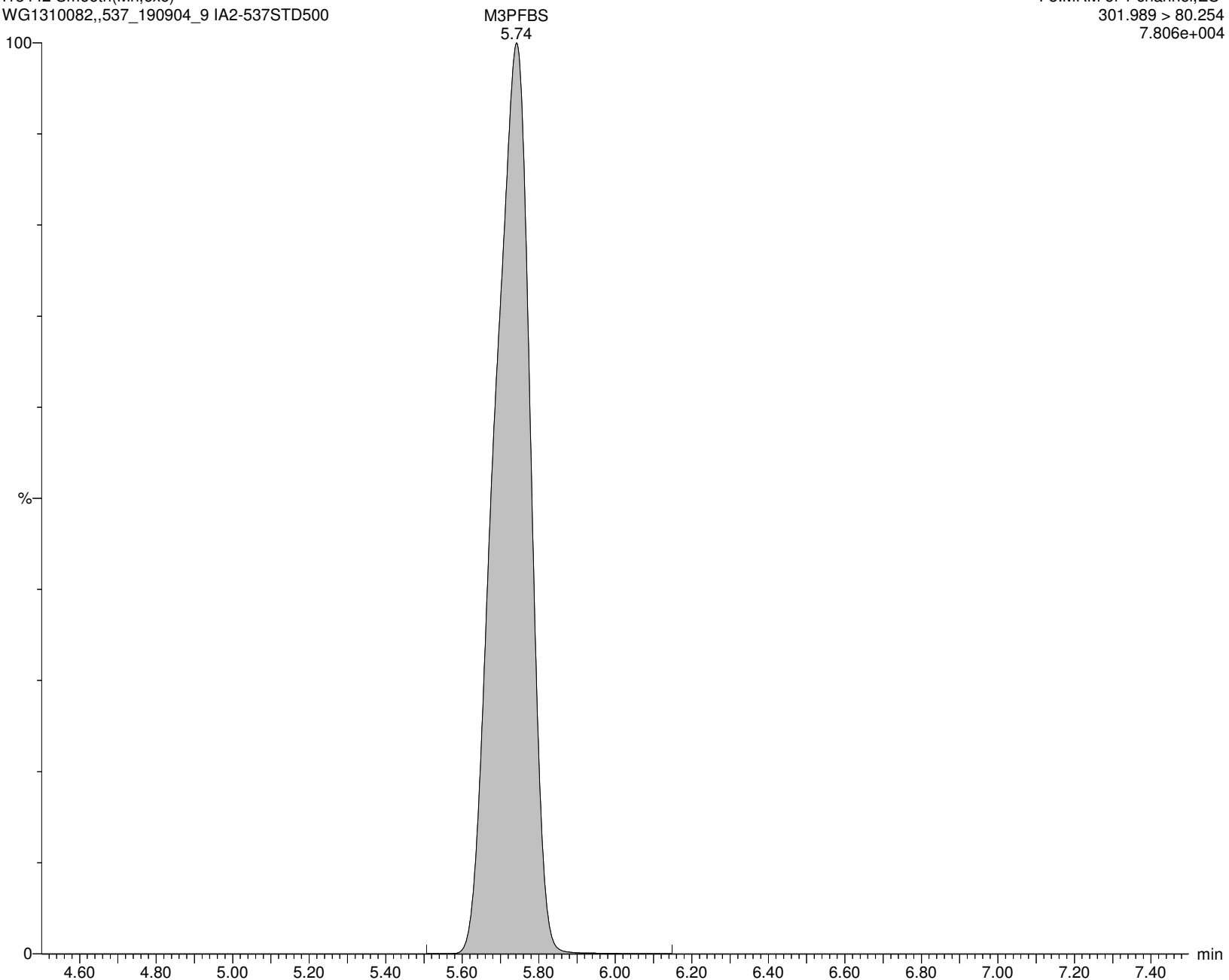
I13442 Smooth(Mn,6x6)

WG1310082,,537_190904_9 IA2-537STD500

F8:MRM of 1 channel,ES-

301.989 > 80.254

7.806e+004



Alpha Analytical Inc.

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User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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4:2FTS

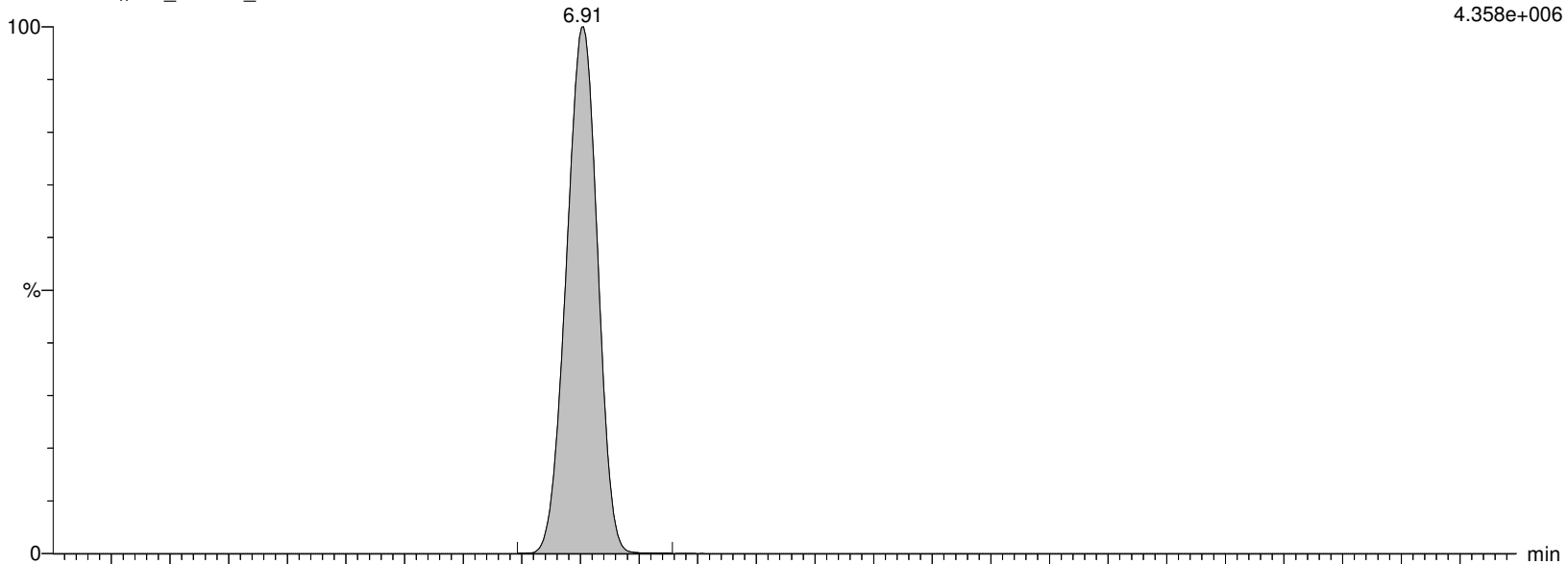
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F11:MRM of 2 channels,ES-

326.926 > 306.957

4.358e+006



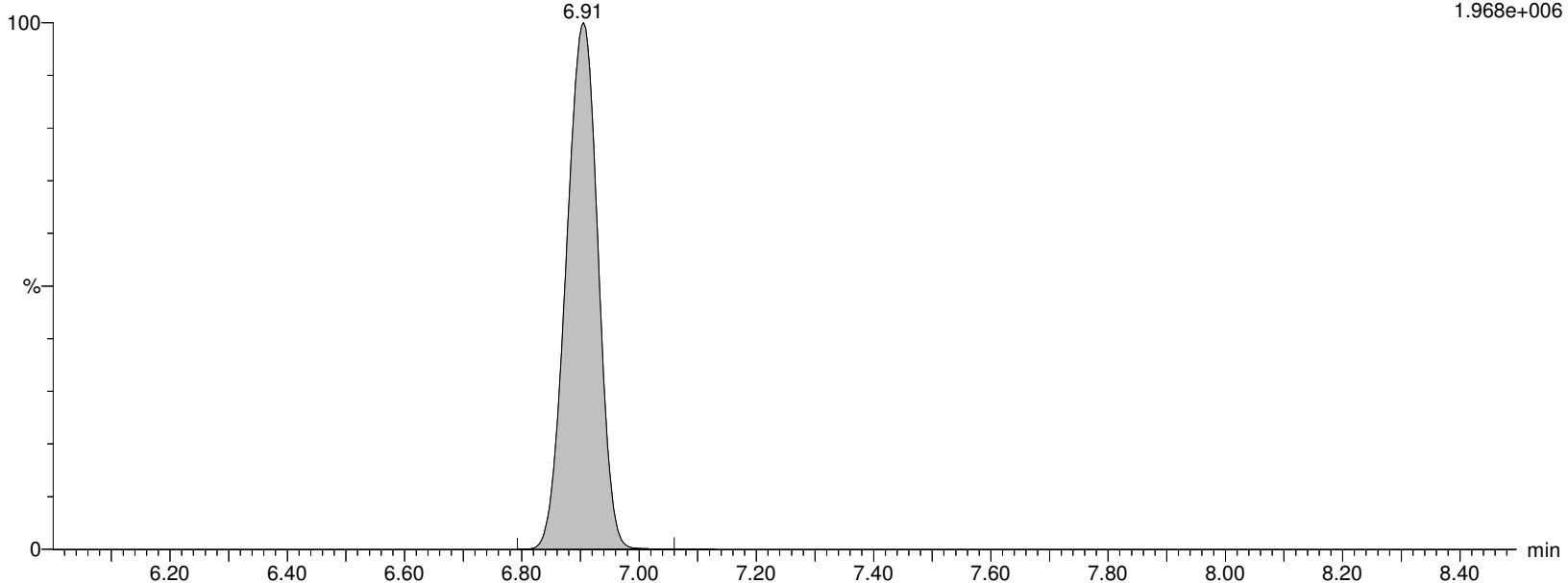
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F11:MRM of 2 channels,ES-

326.926 > 81.02

1.968e+006



Alpha Analytical Inc.

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User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

I13442 Smooth(Mn,2x3)

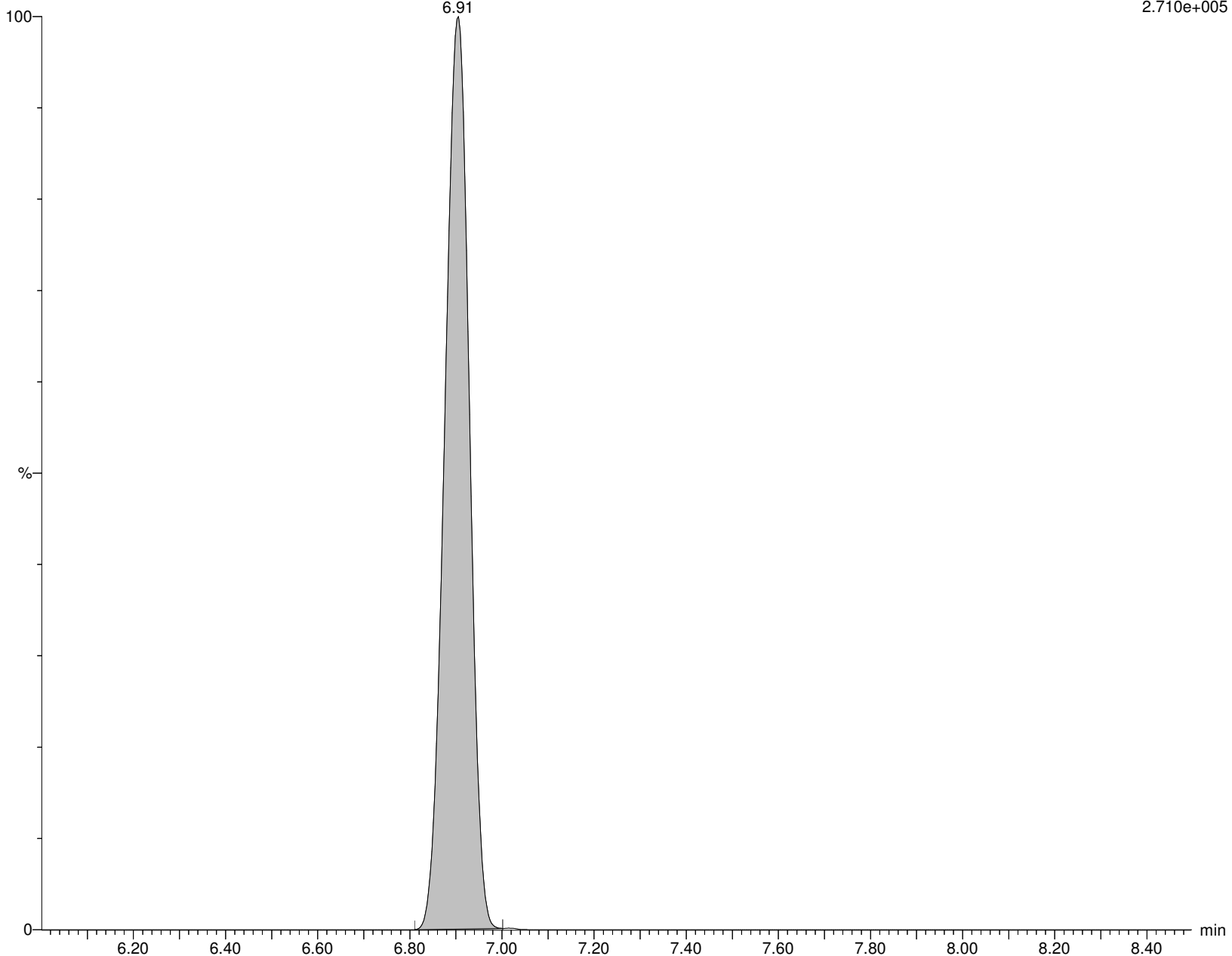
WG1310082,,537_190904_9 IA2-537STD500

M2-4:2FTS
6.91

F12:MRM of 2 channels,ES-

329.117 > 309.079

2.710e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

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Name: I13442

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Date: 18-Nov-2019

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Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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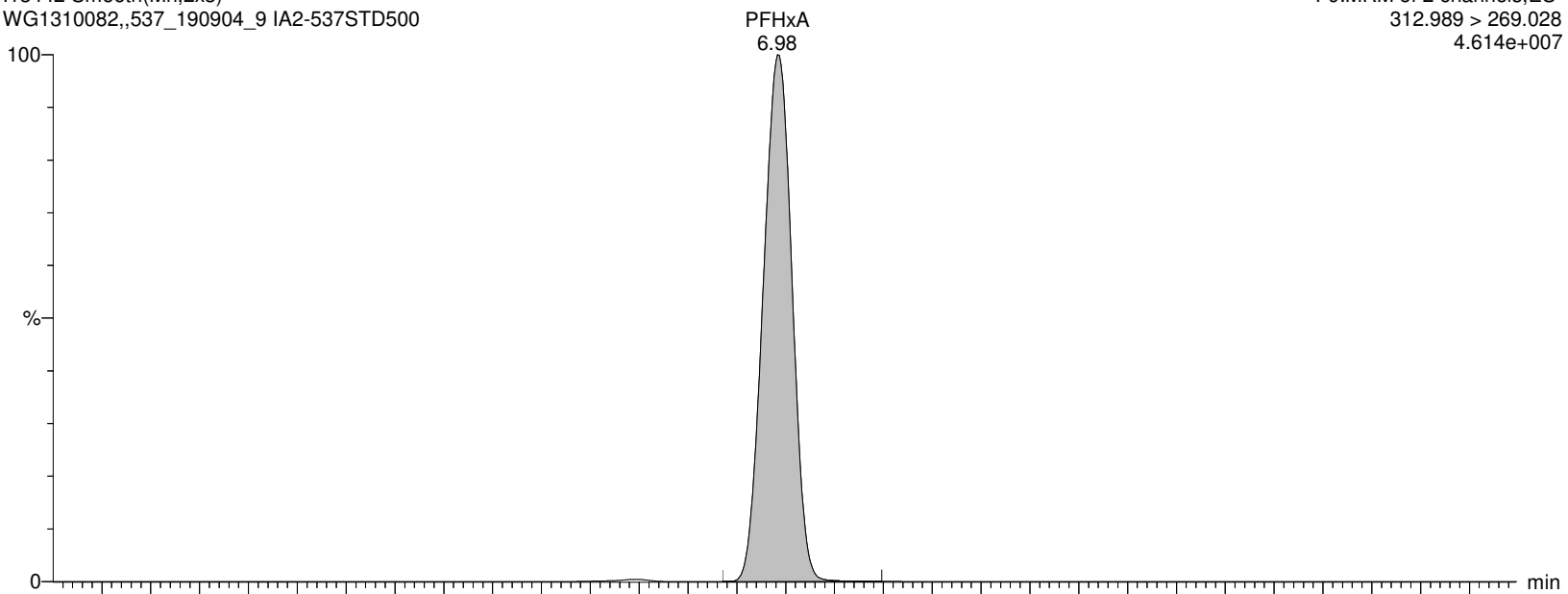
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F9:MRM of 2 channels,ES-

312.989 > 269.028

4.614e+007



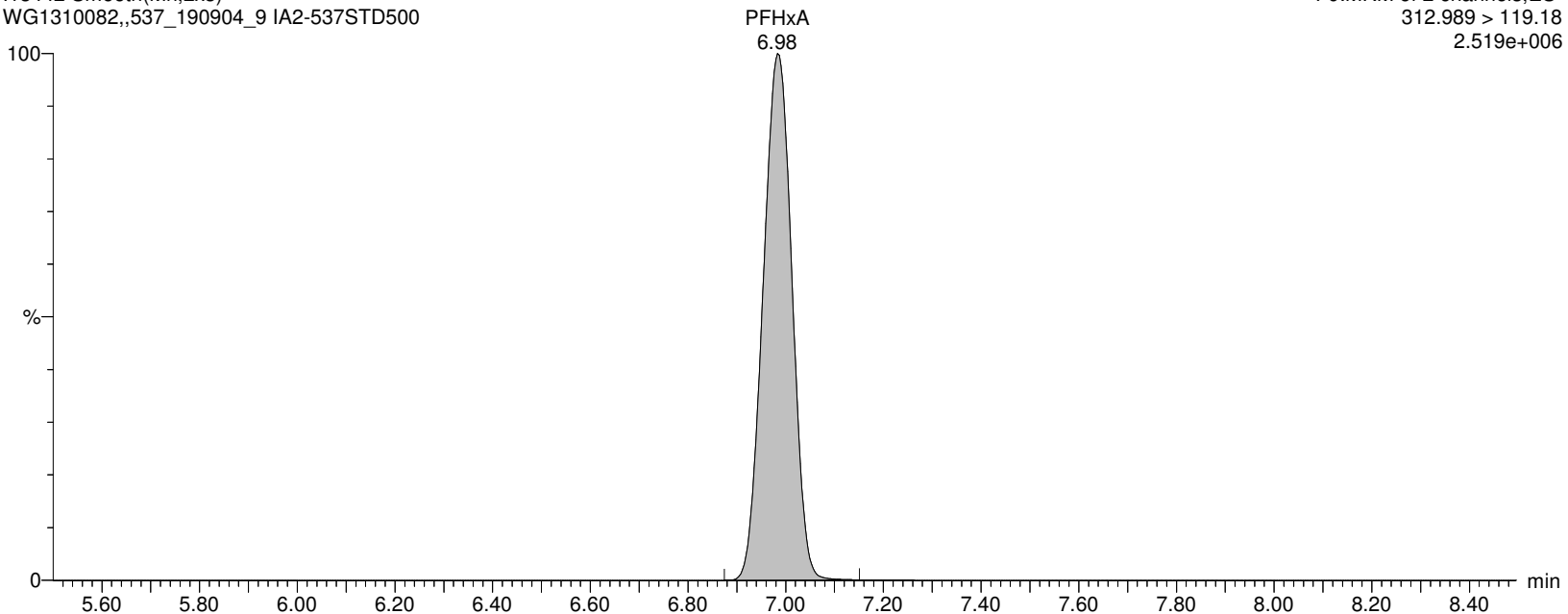
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F9:MRM of 2 channels,ES-

312.989 > 119.18

2.519e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

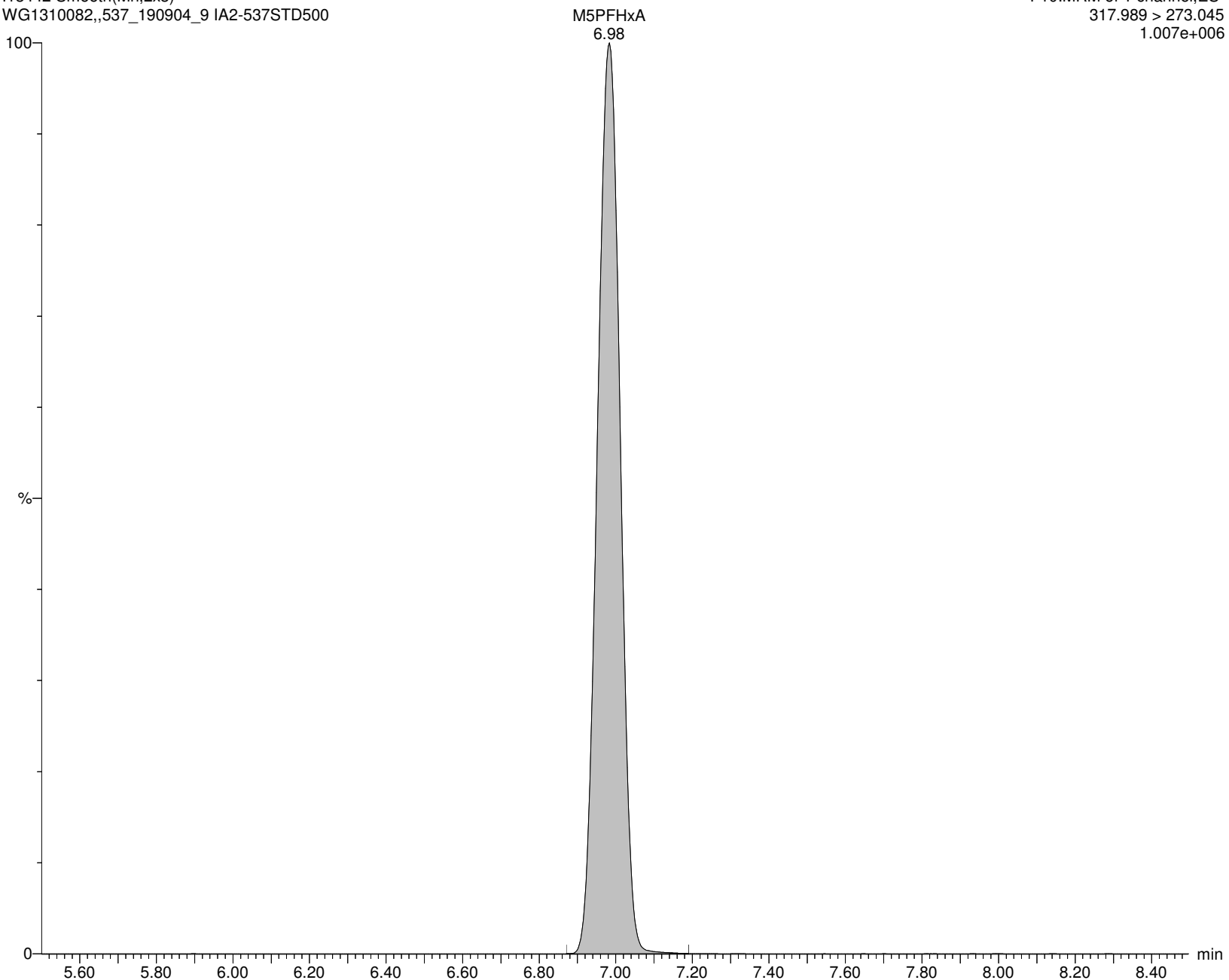
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.007e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

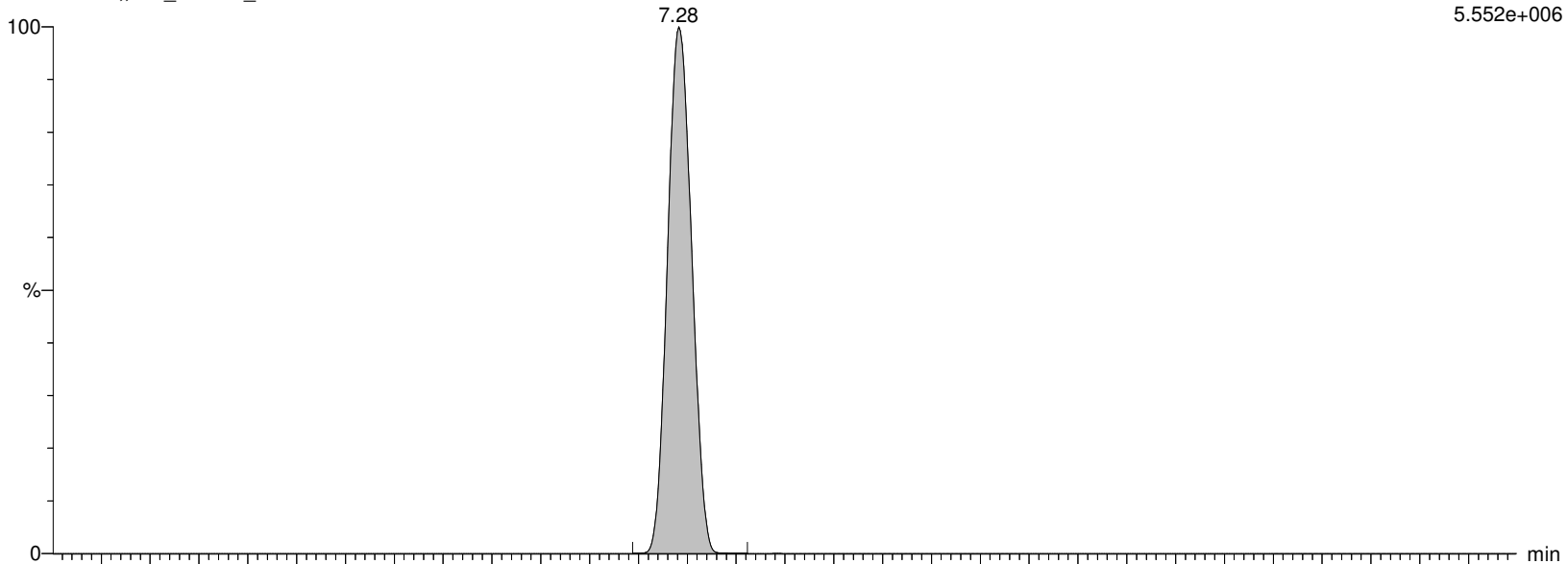
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F14:MRM of 2 channels,ES-

348.926 > 80.251

5.552e+006



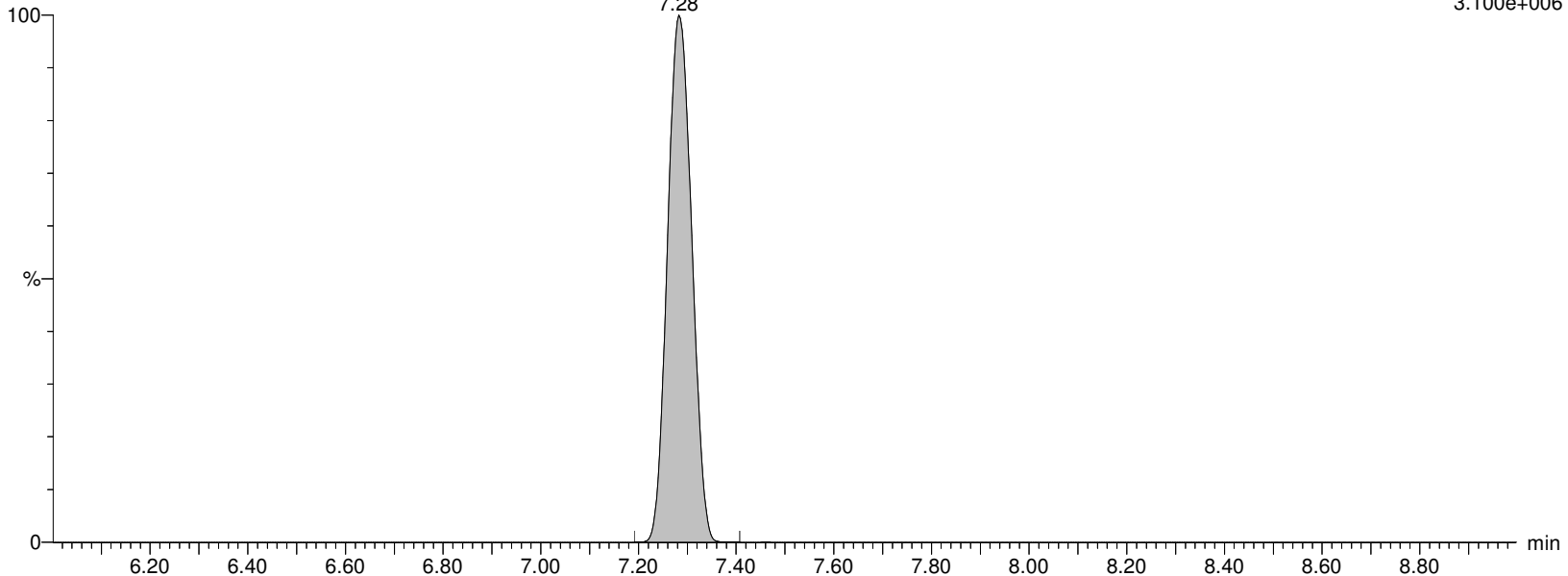
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F14:MRM of 2 channels,ES-

348.926 > 99.16

3.100e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

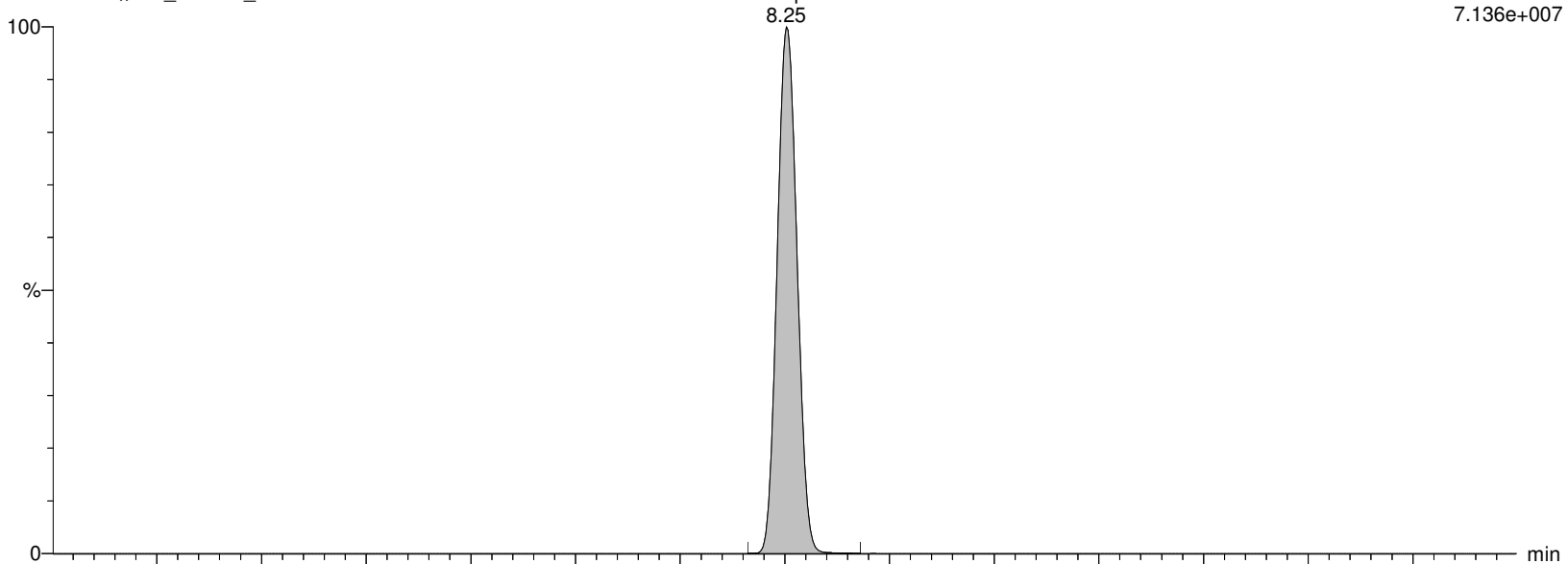
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F15:MRM of 2 channels,ES-

362.926 > 319.014

7.136e+007



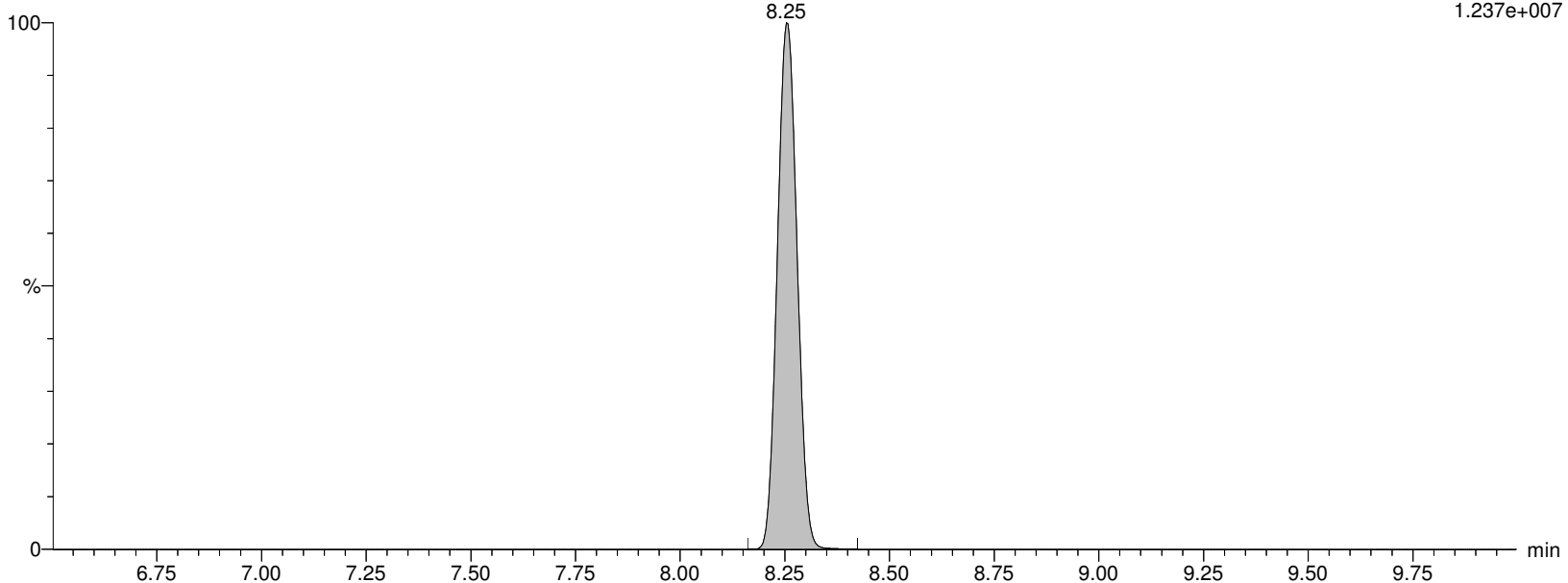
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F15:MRM of 2 channels,ES-

362.926 > 169.12

1.237e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

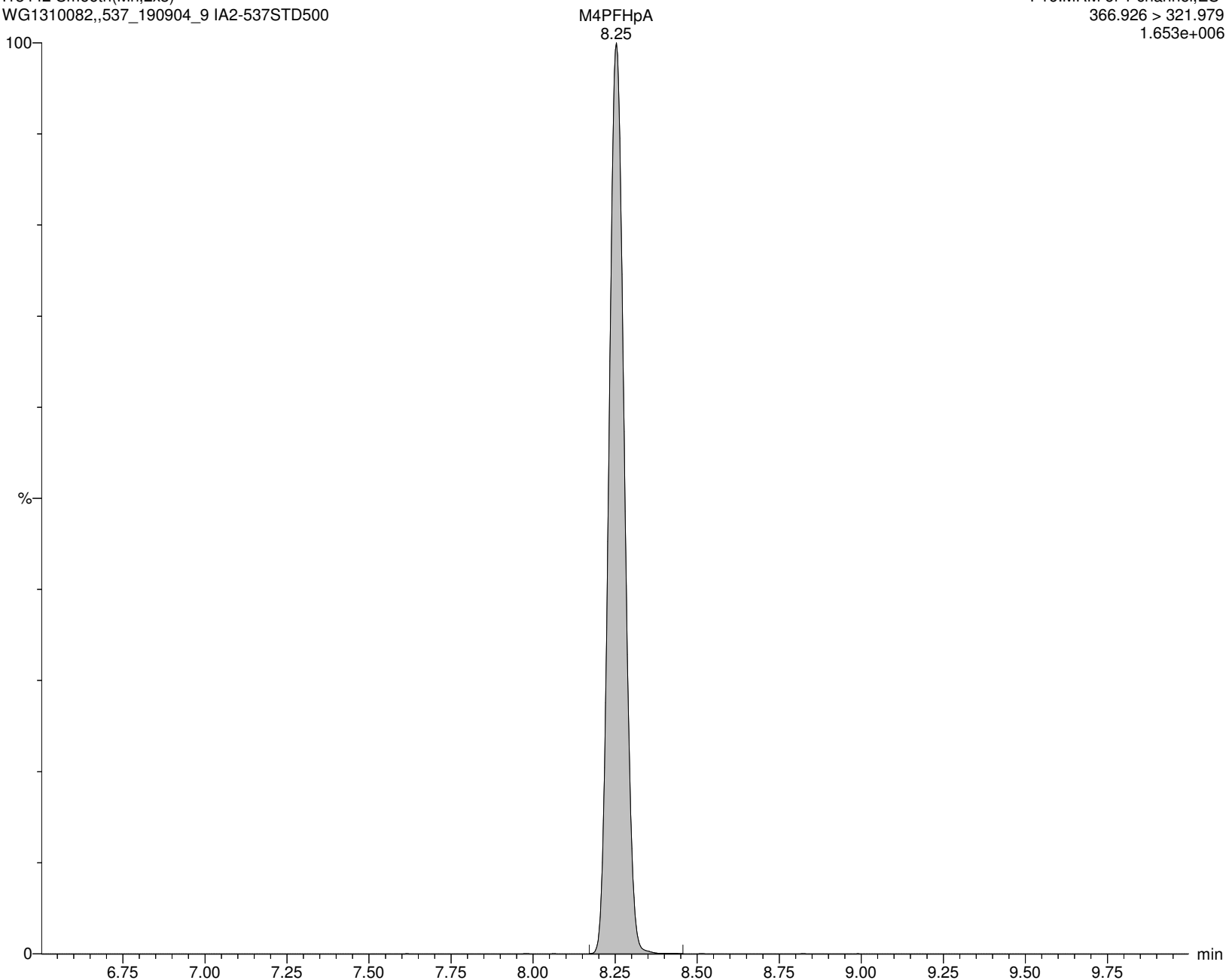
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F16:MRM of 1 channel,ES-

366.926 > 321.979

1.653e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

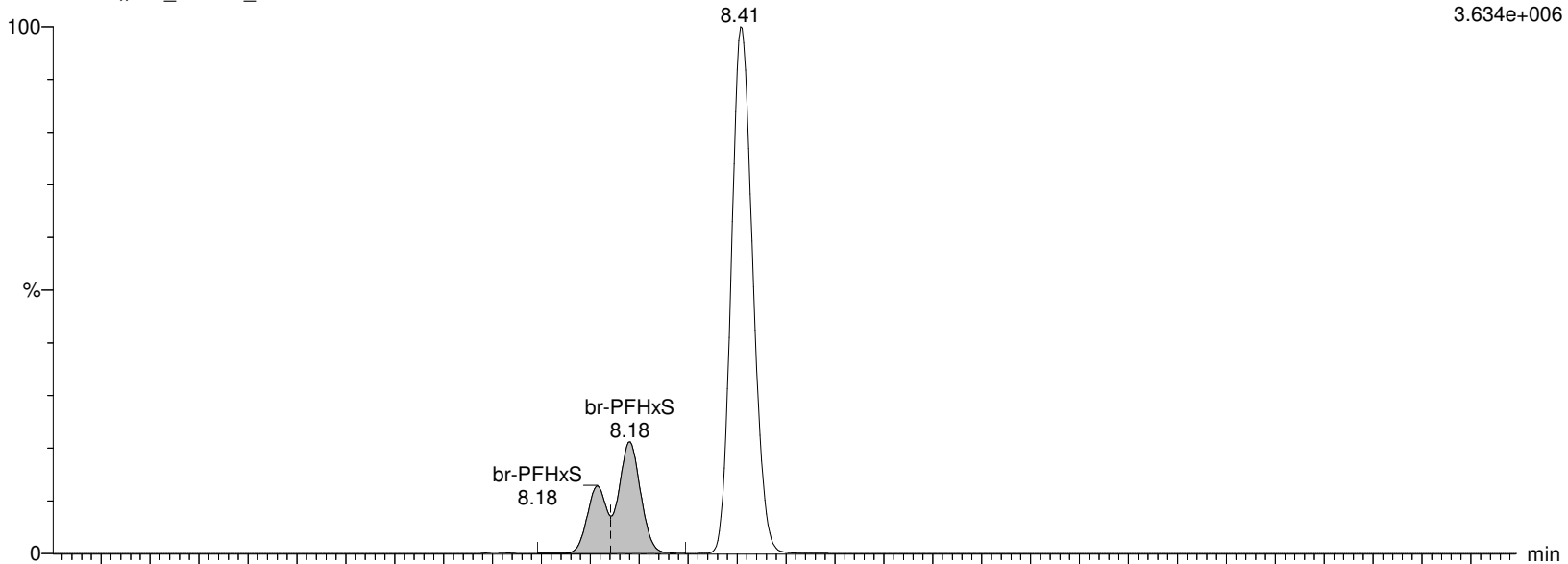
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 80.295

3.634e+006



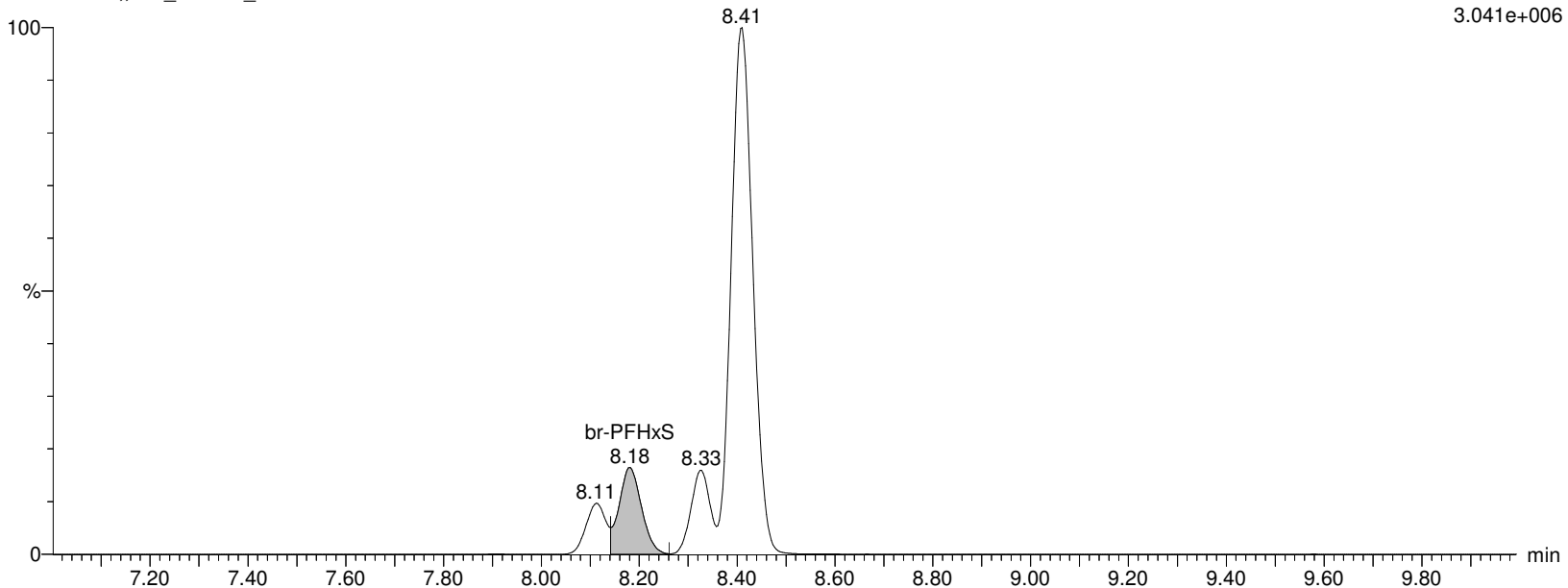
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 99.2

3.041e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

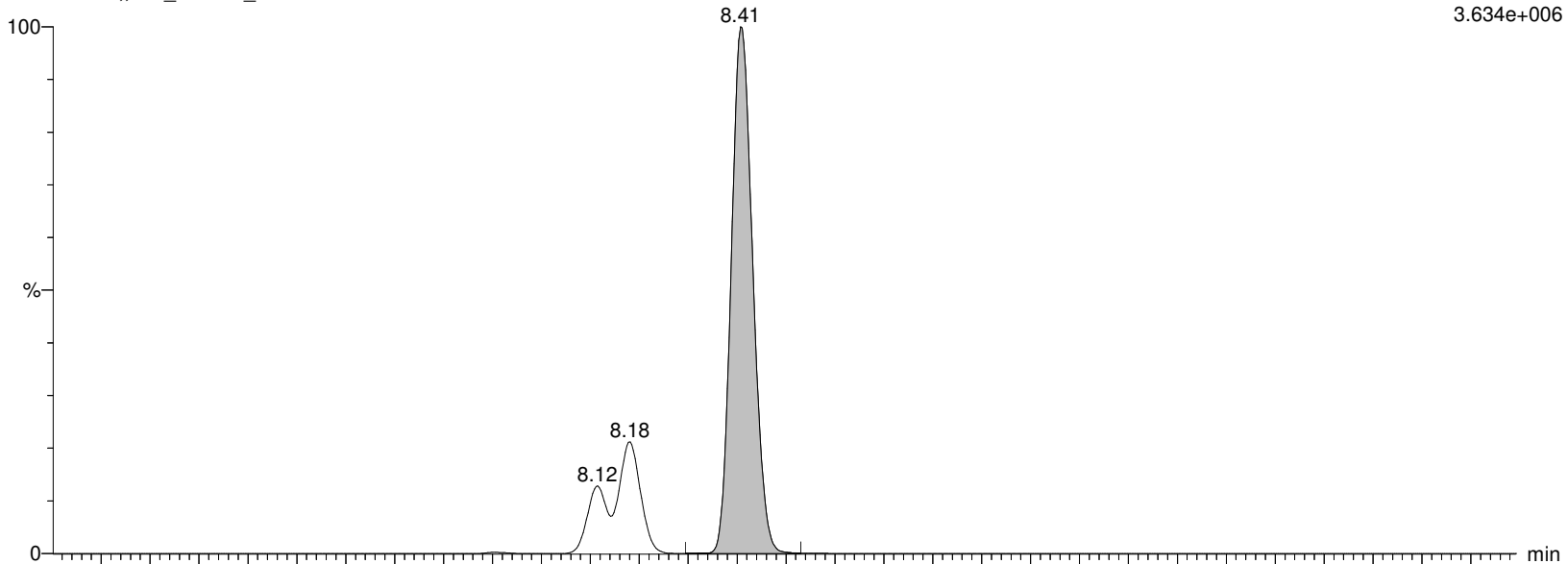
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 80.295

3.634e+006



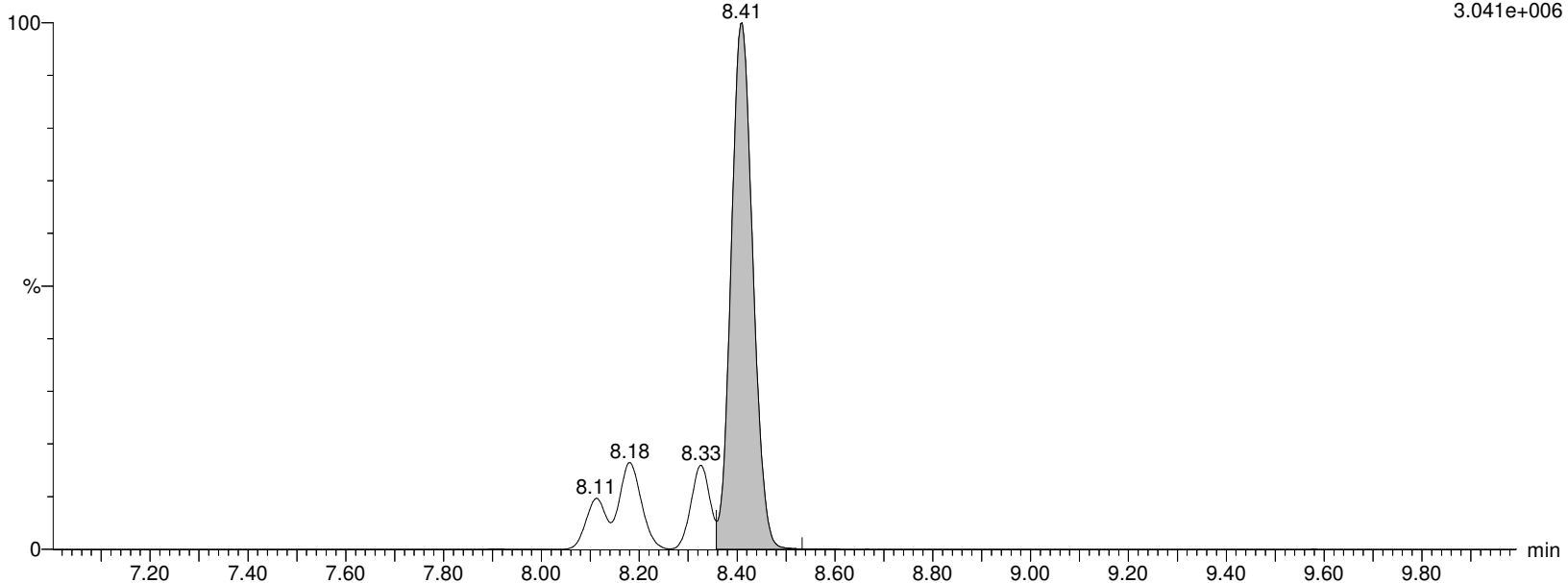
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 99.2

3.041e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

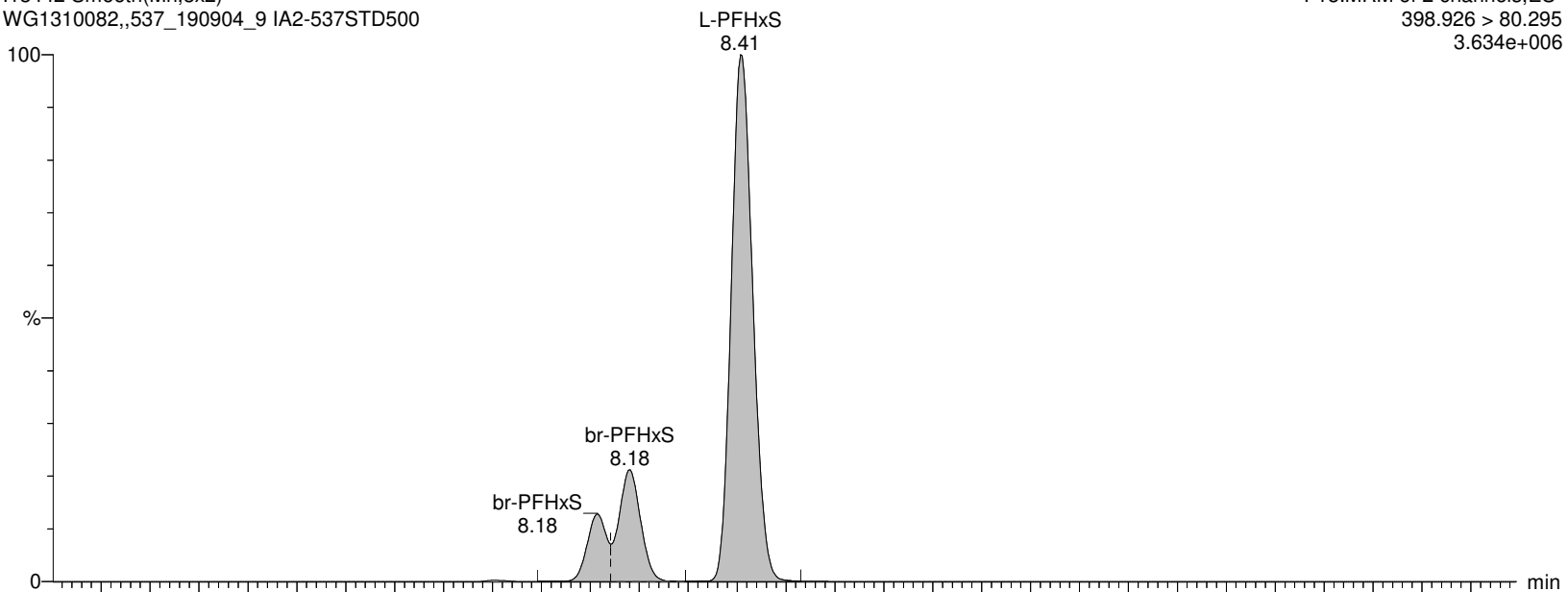
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 80.295

3.634e+006



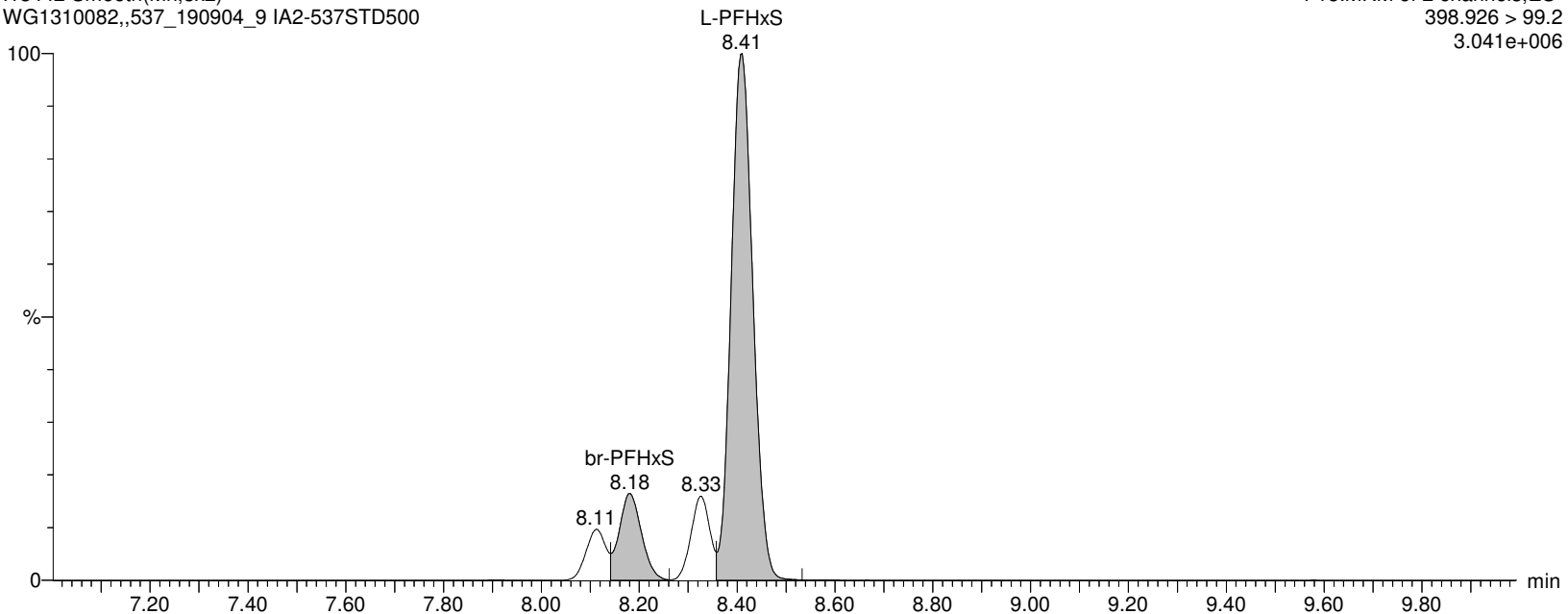
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F18:MRM of 2 channels,ES-

398.926 > 99.2

3.041e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

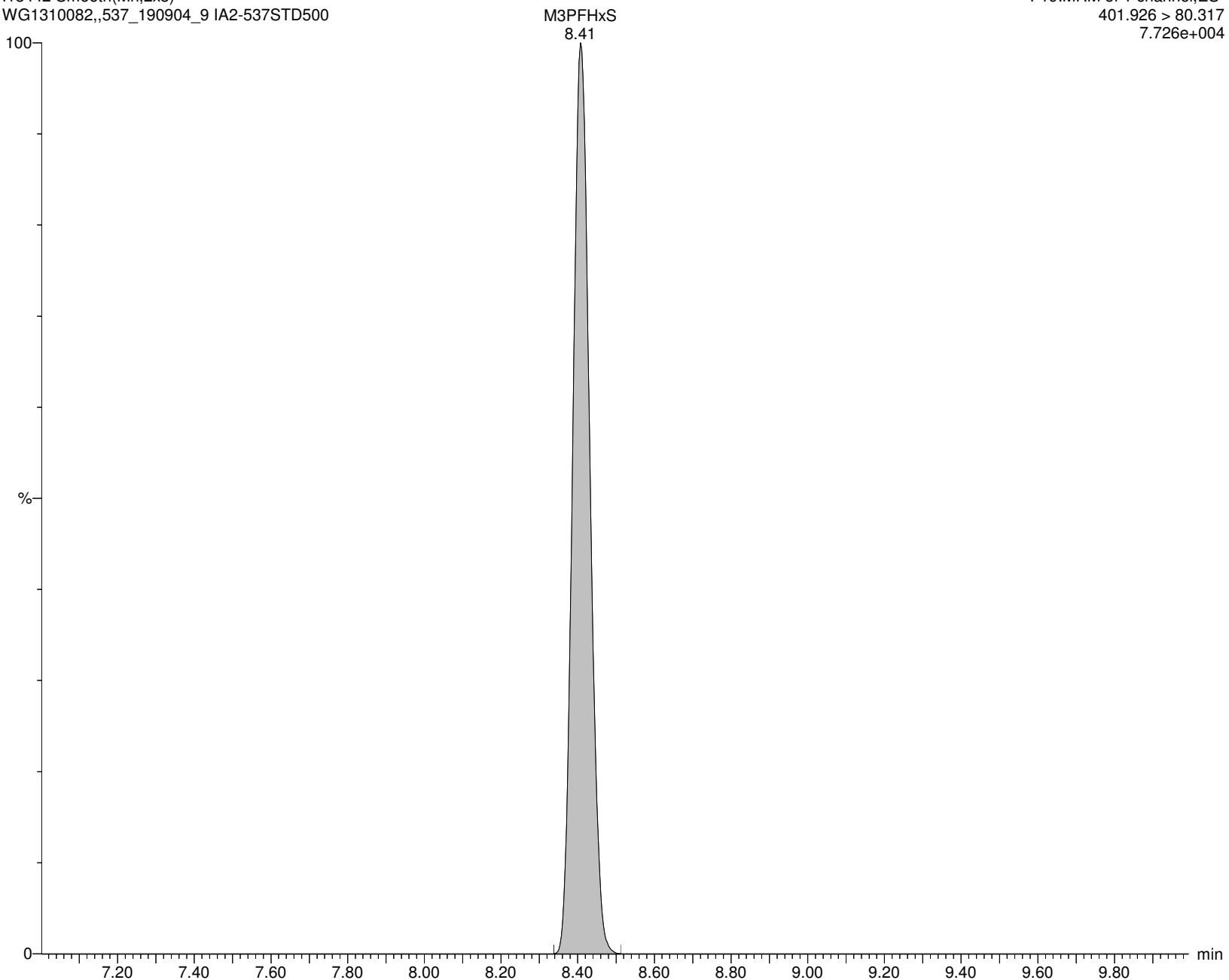
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F19:MRM of 1 channel,ES-

401.926 > 80.317

7.726e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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br-PFOA

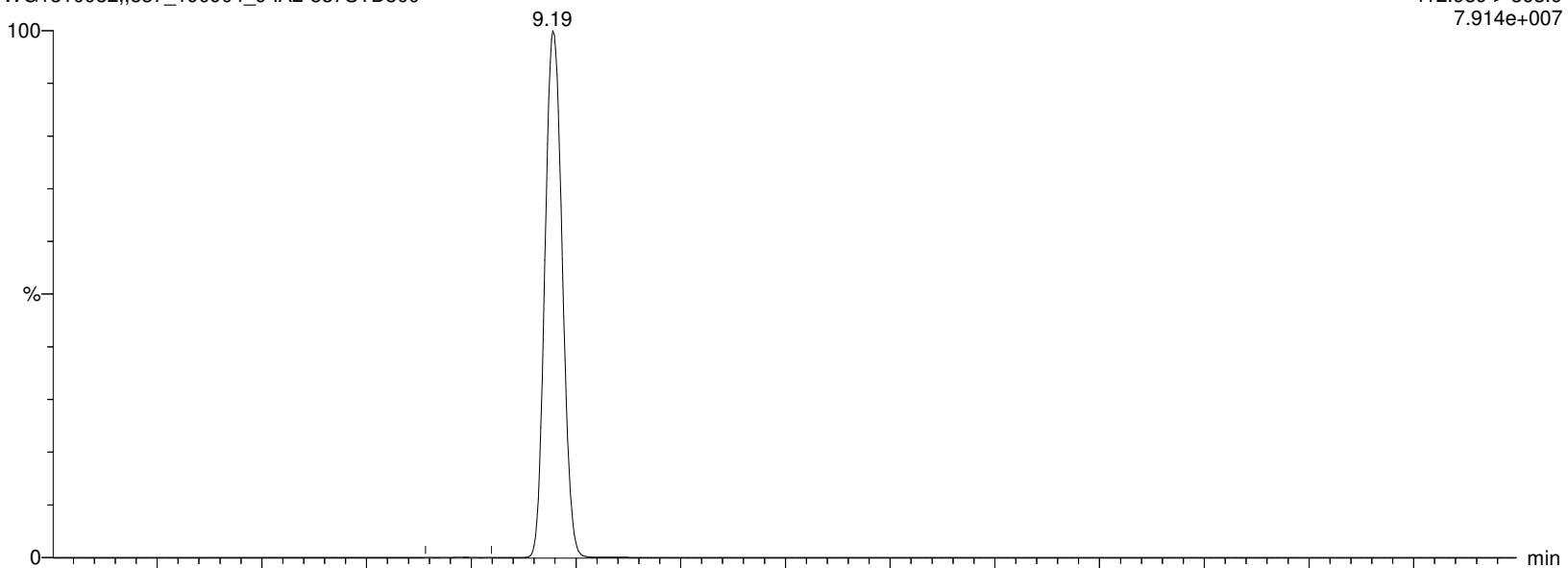
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F20:MRM of 2 channels,ES-

412.989 > 368.9

7.914e+007



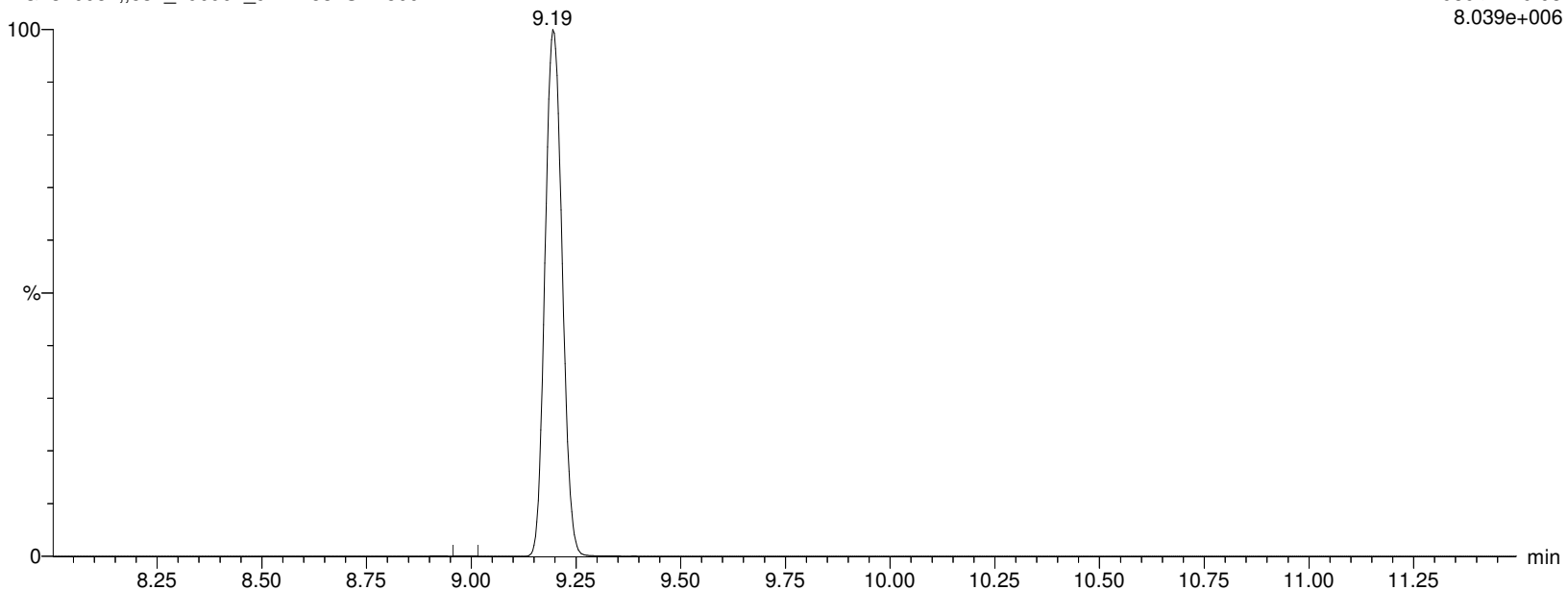
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F20:MRM of 2 channels,ES-

412.989 > 219.08

8.039e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

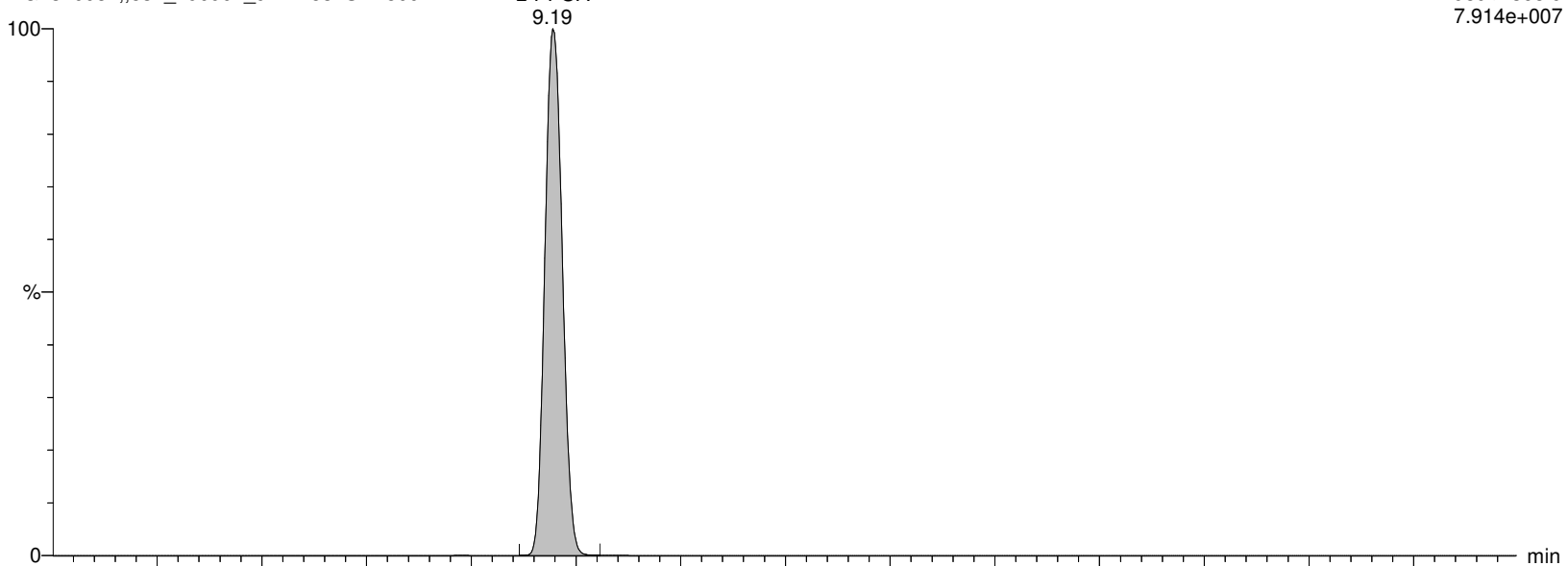
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500



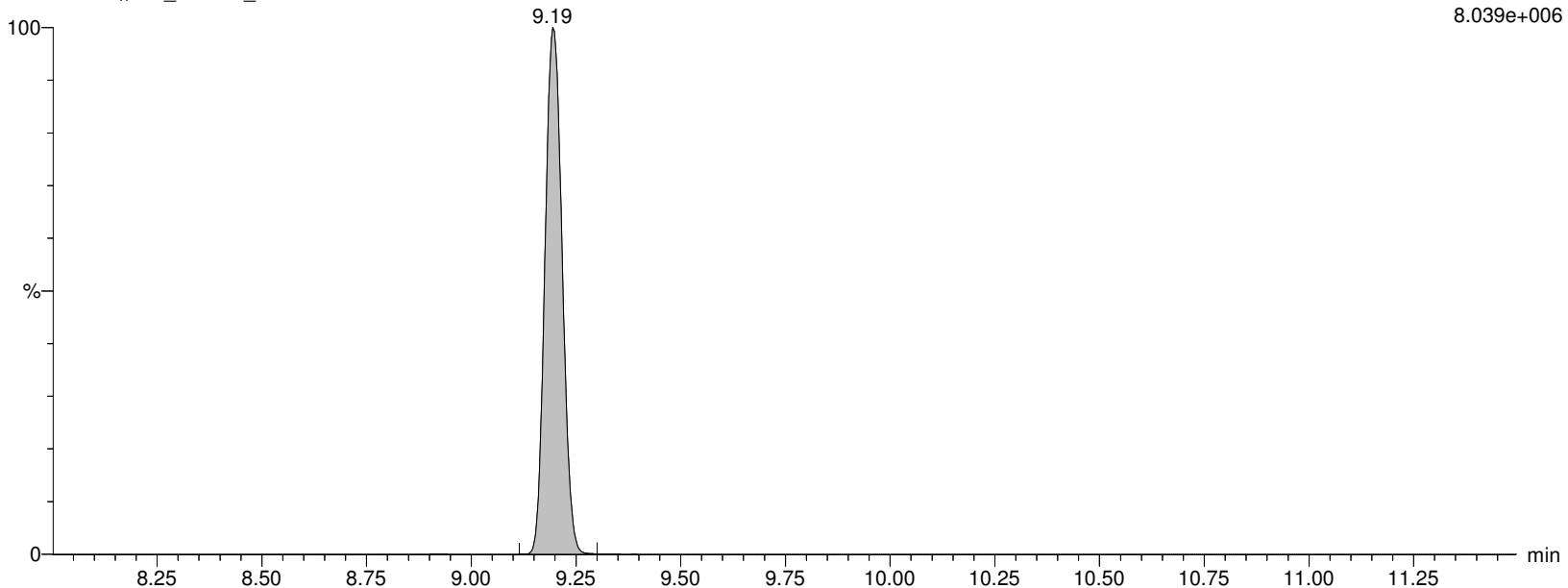
F20:MRM of 2 channels,ES-

412.989 > 368.9

7.914e+007

I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500



F20:MRM of 2 channels,ES-

412.989 > 219.08

8.039e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

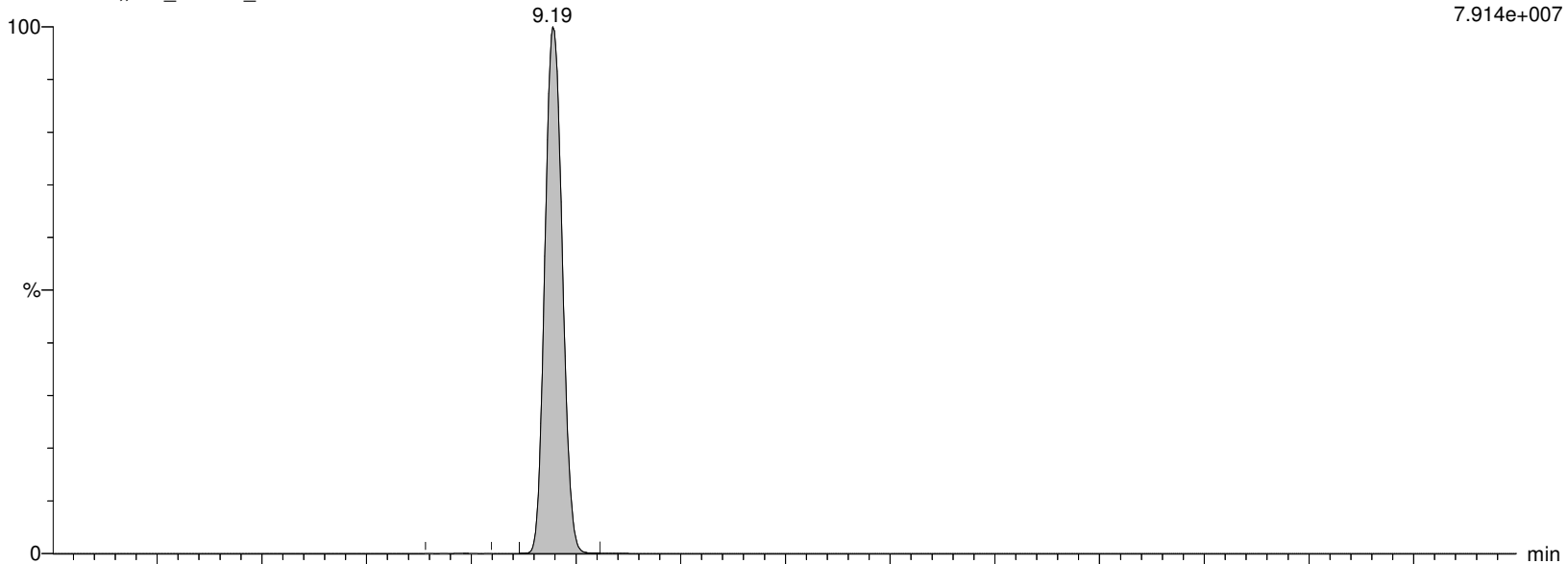
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F20:MRM of 2 channels,ES-

412.989 > 368.9

7.914e+007



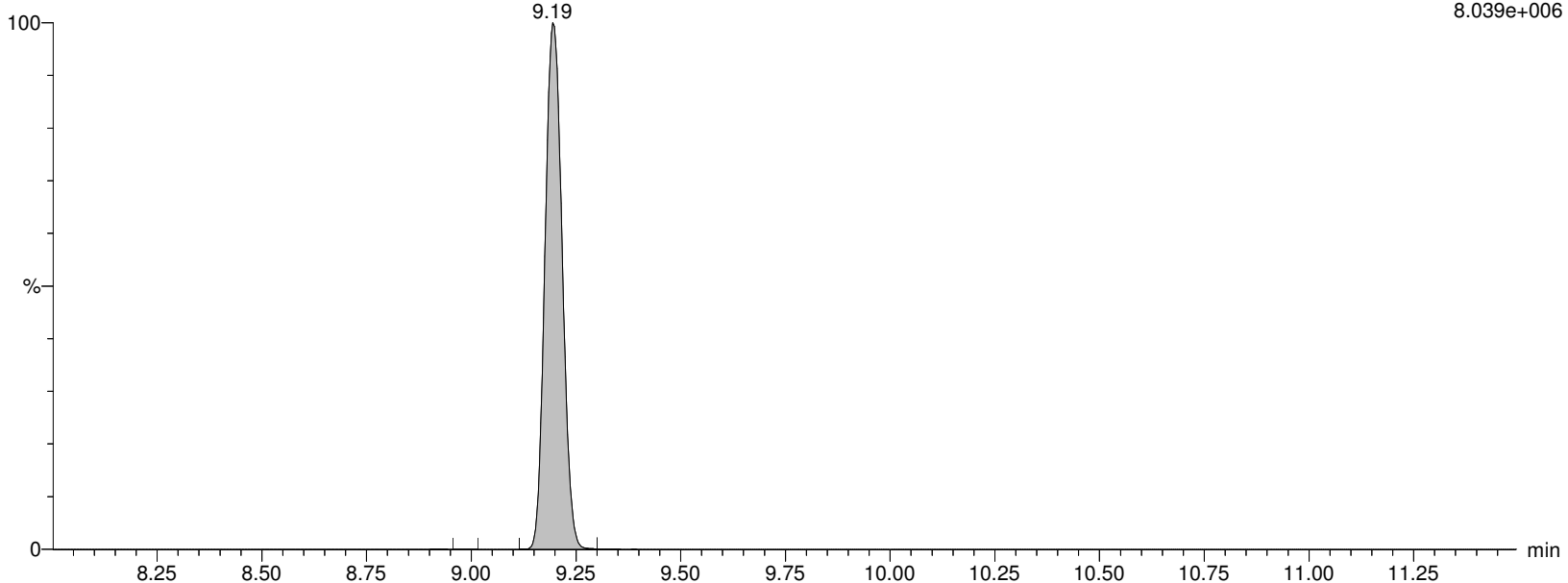
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F20:MRM of 2 channels,ES-

412.989 > 219.08

8.039e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

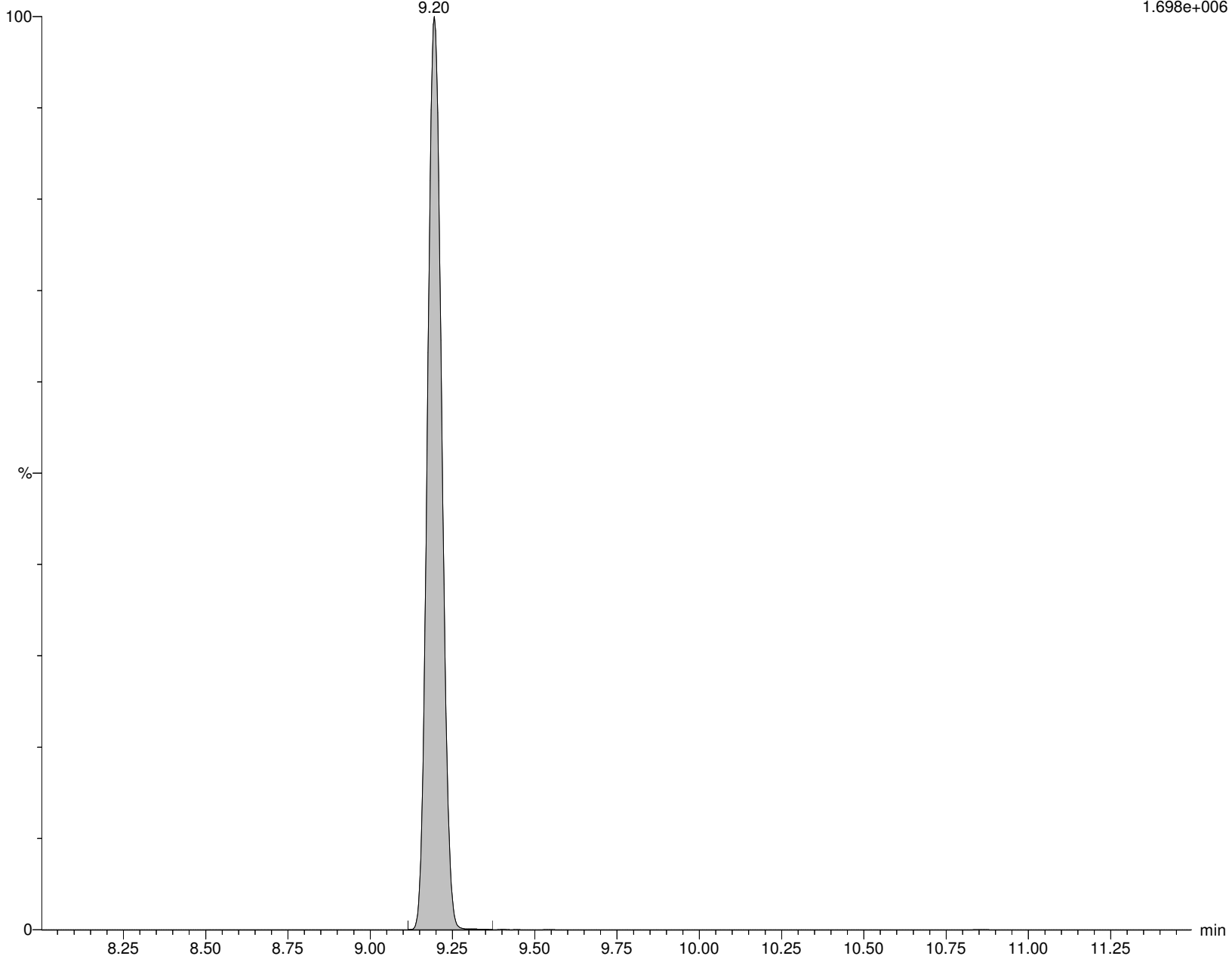
M8PFOA

9.20

F22:MRM of 1 channel,ES-

420.989 > 375.979

1.698e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

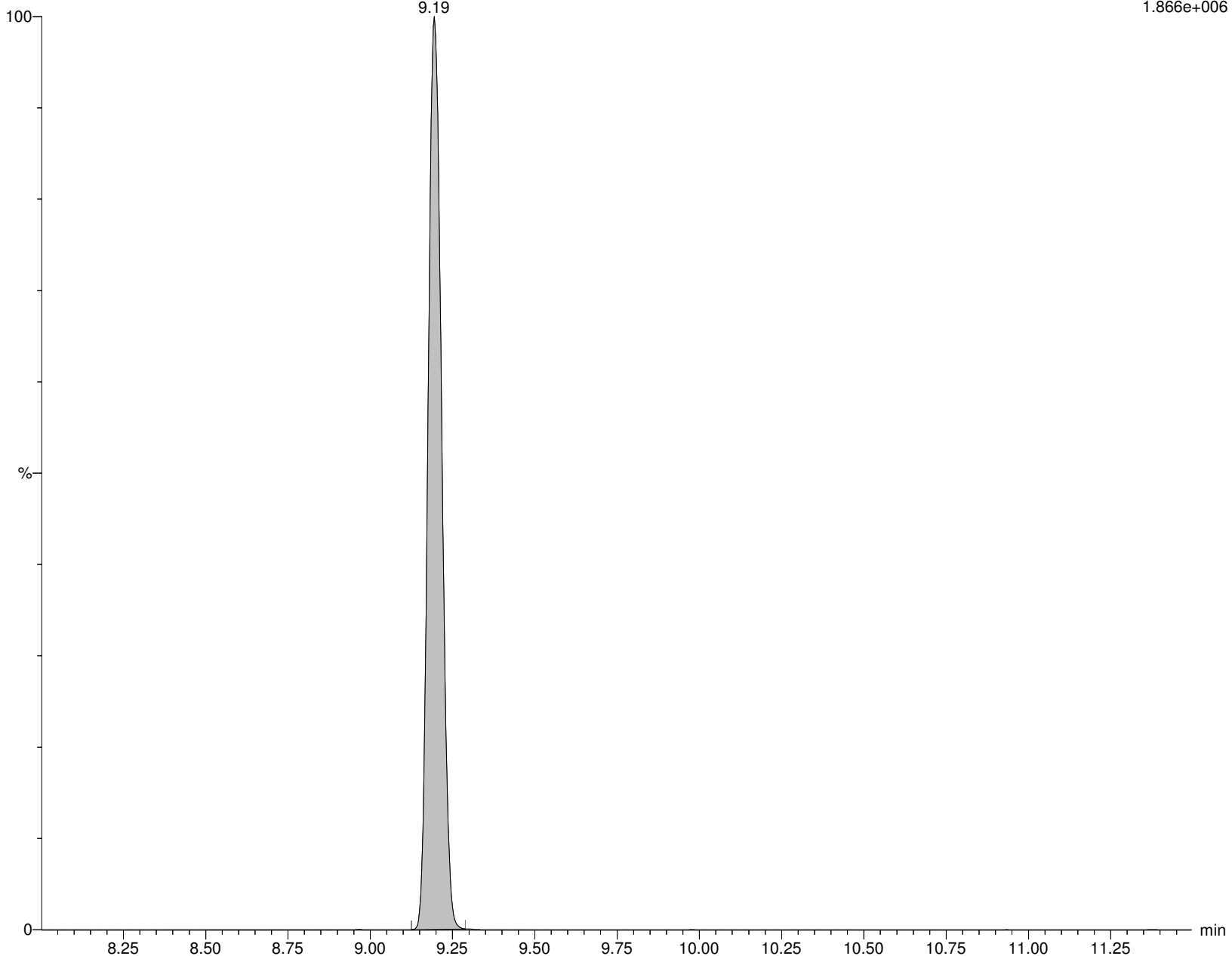
M2PFOA

9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

1.866e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

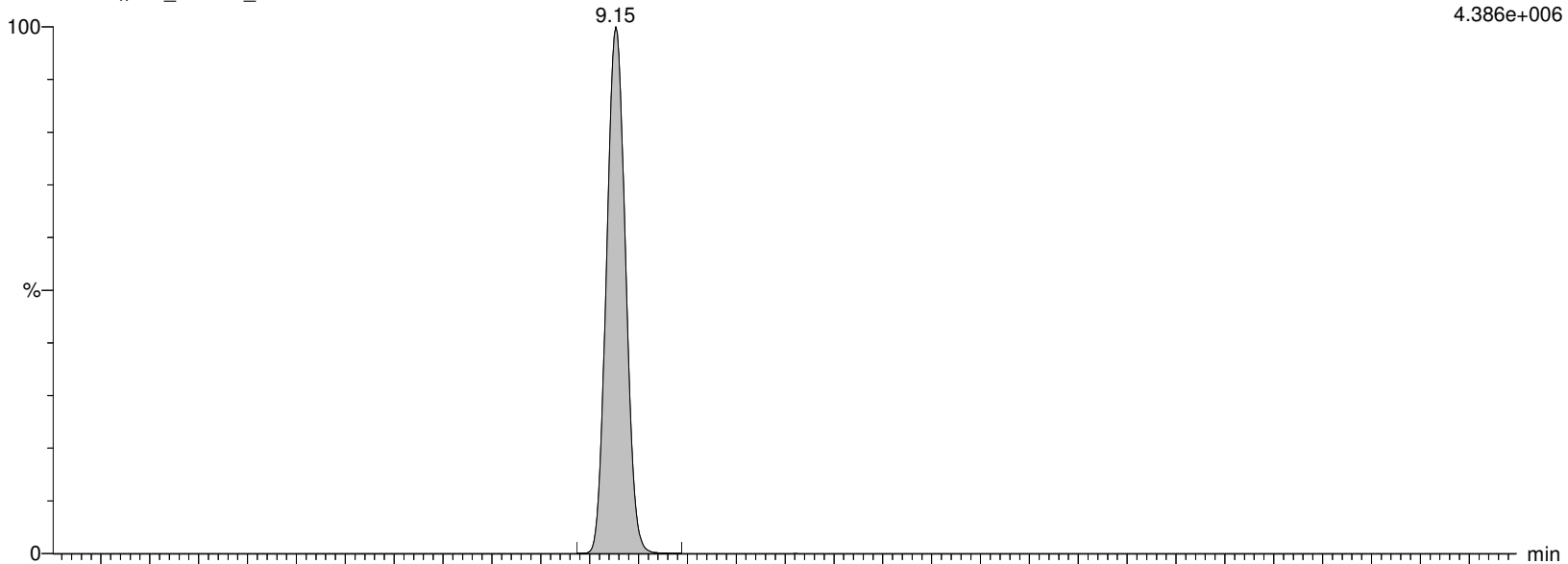
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F23:MRM of 3 channels,ES-

426.989 > 406.921

4.386e+006



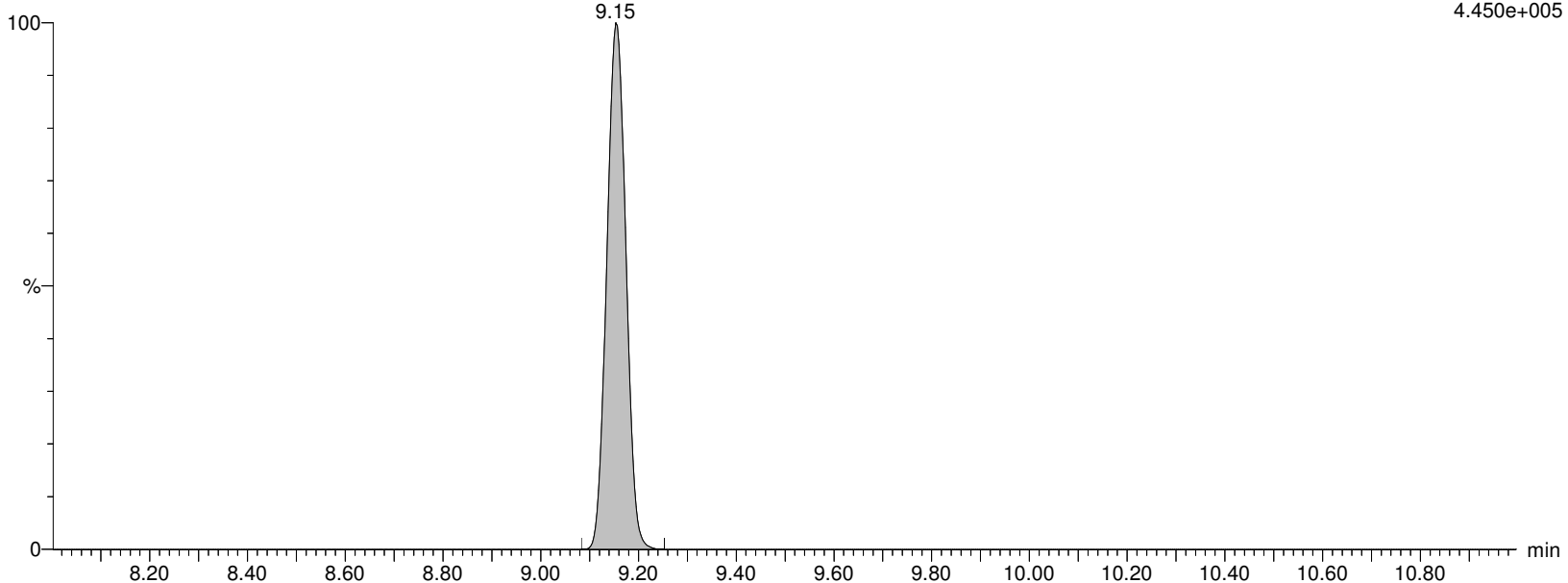
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F23:MRM of 3 channels,ES-

426.862 > 80.5

4.450e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

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Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-6:2FTS

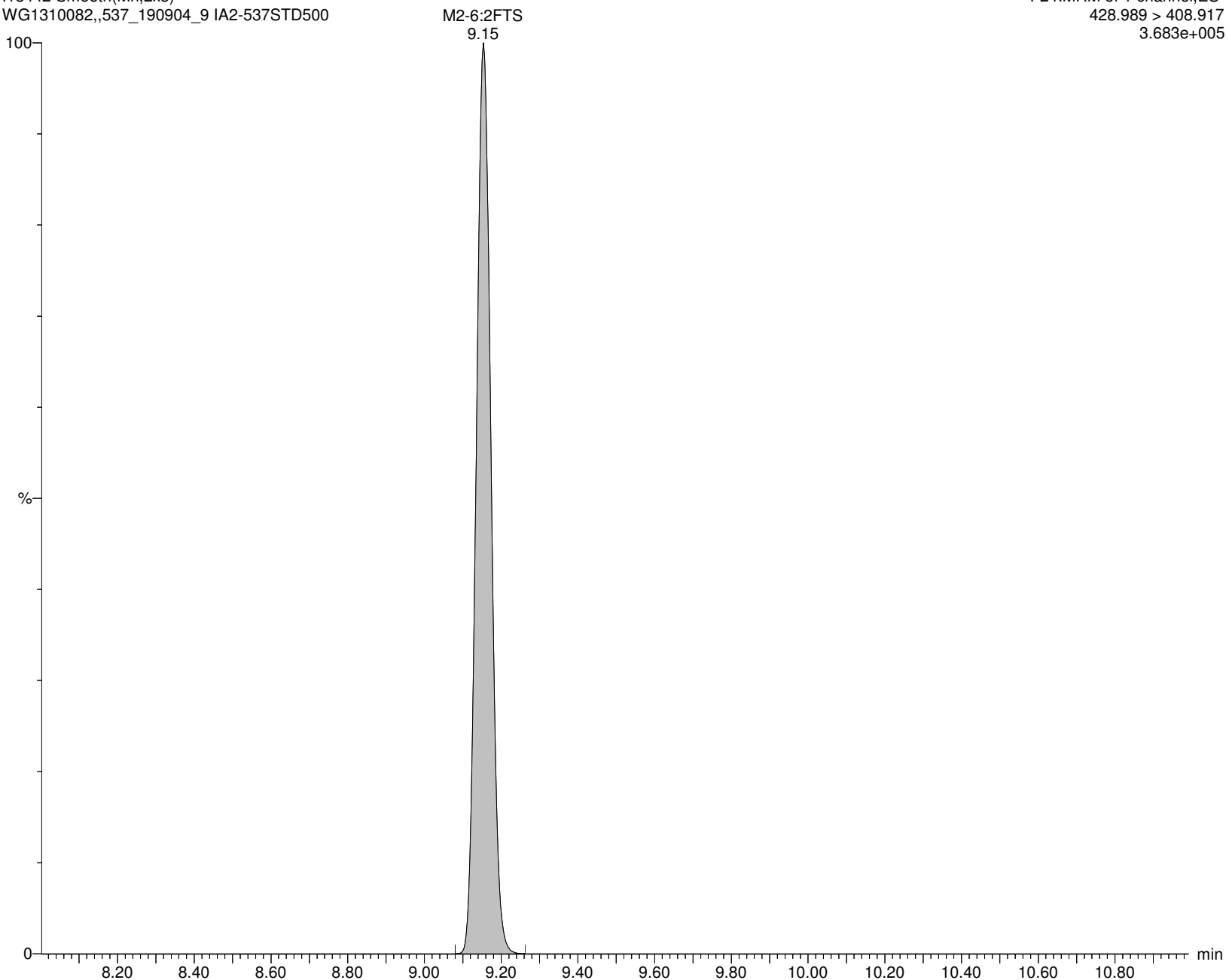
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F24:MRM of 1 channel,ES-

428.989 > 408.917

3.683e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

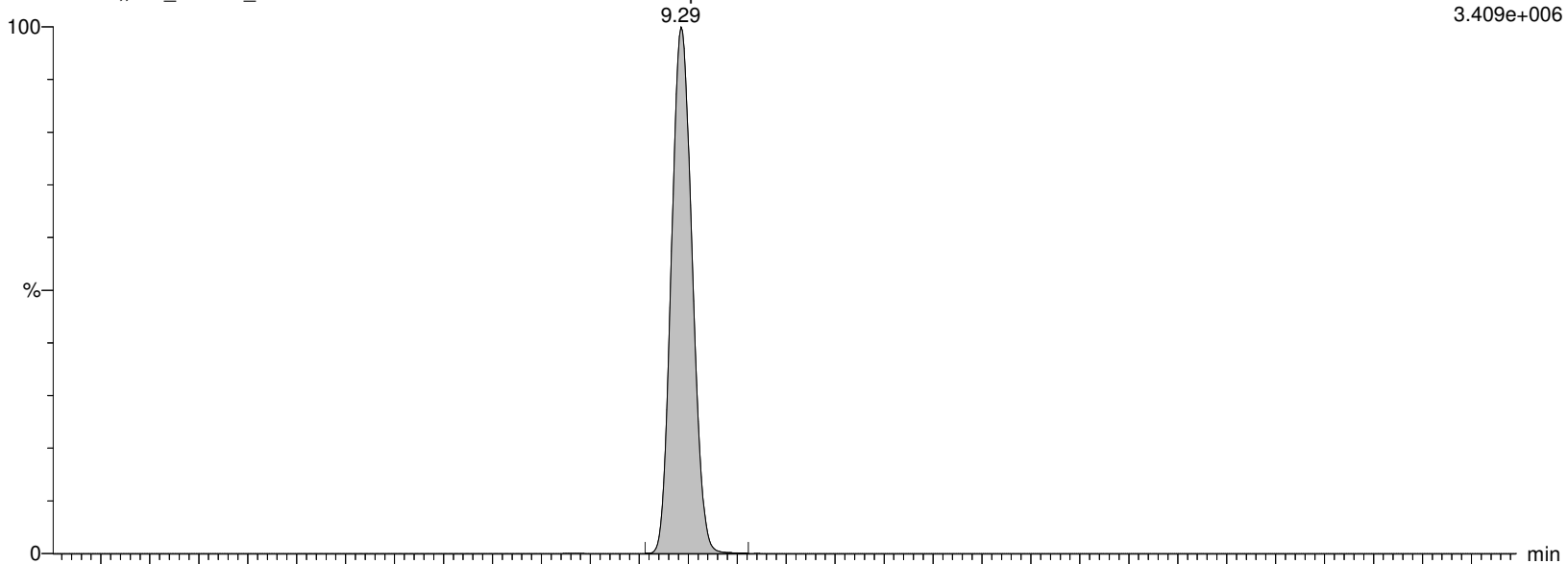
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F25:MRM of 2 channels,ES-

448.926 > 80.257

3.409e+006



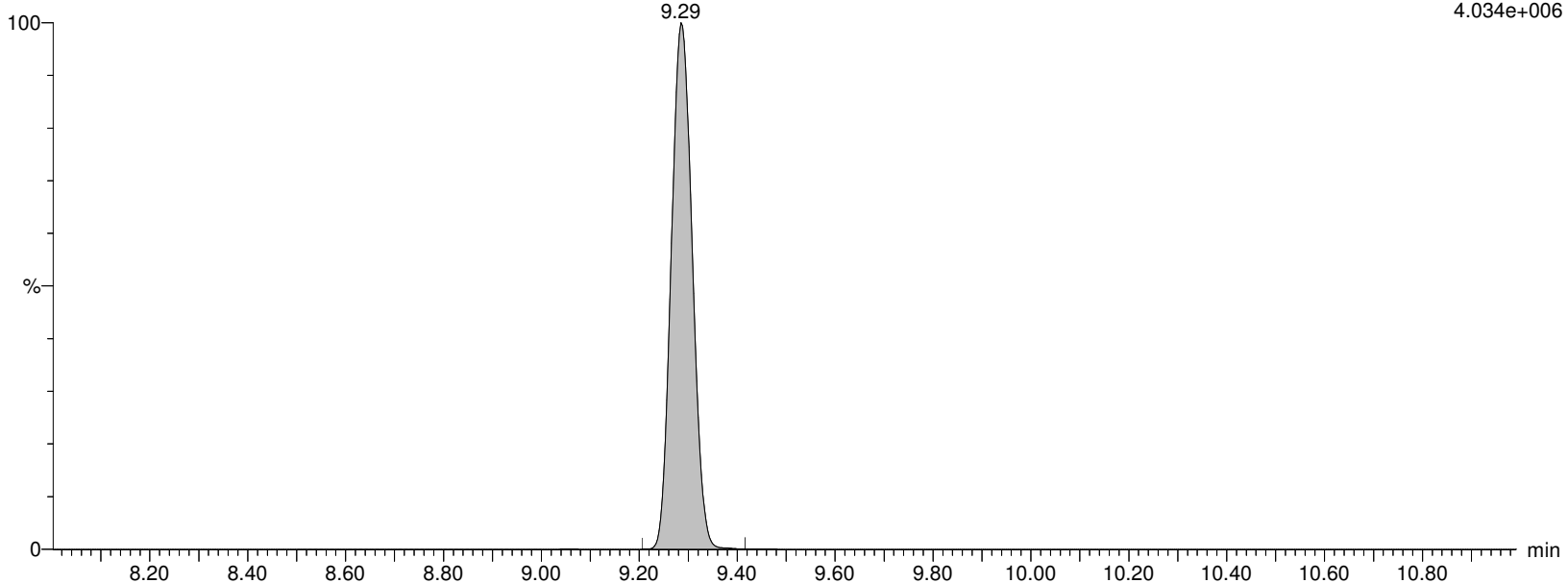
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F25:MRM of 2 channels,ES-

448.926 > 99.22

4.034e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

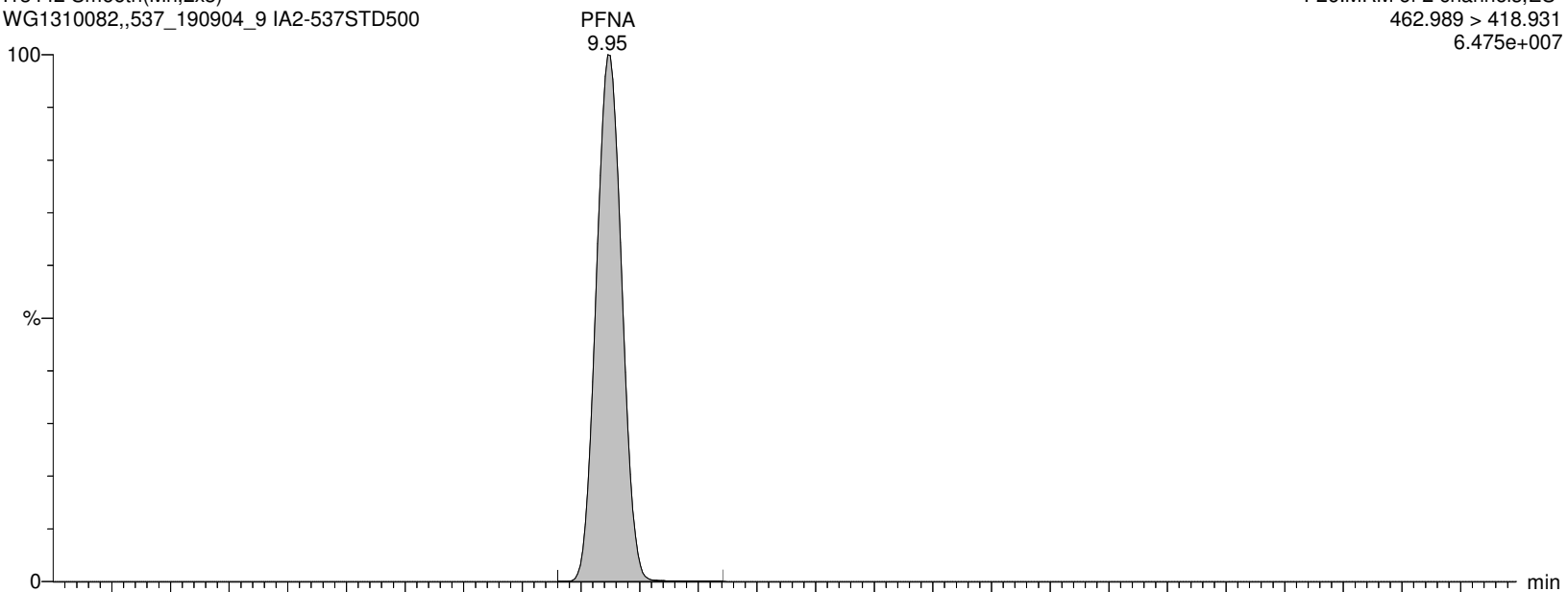
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F26:MRM of 2 channels,ES-

462.989 > 418.931

6.475e+007



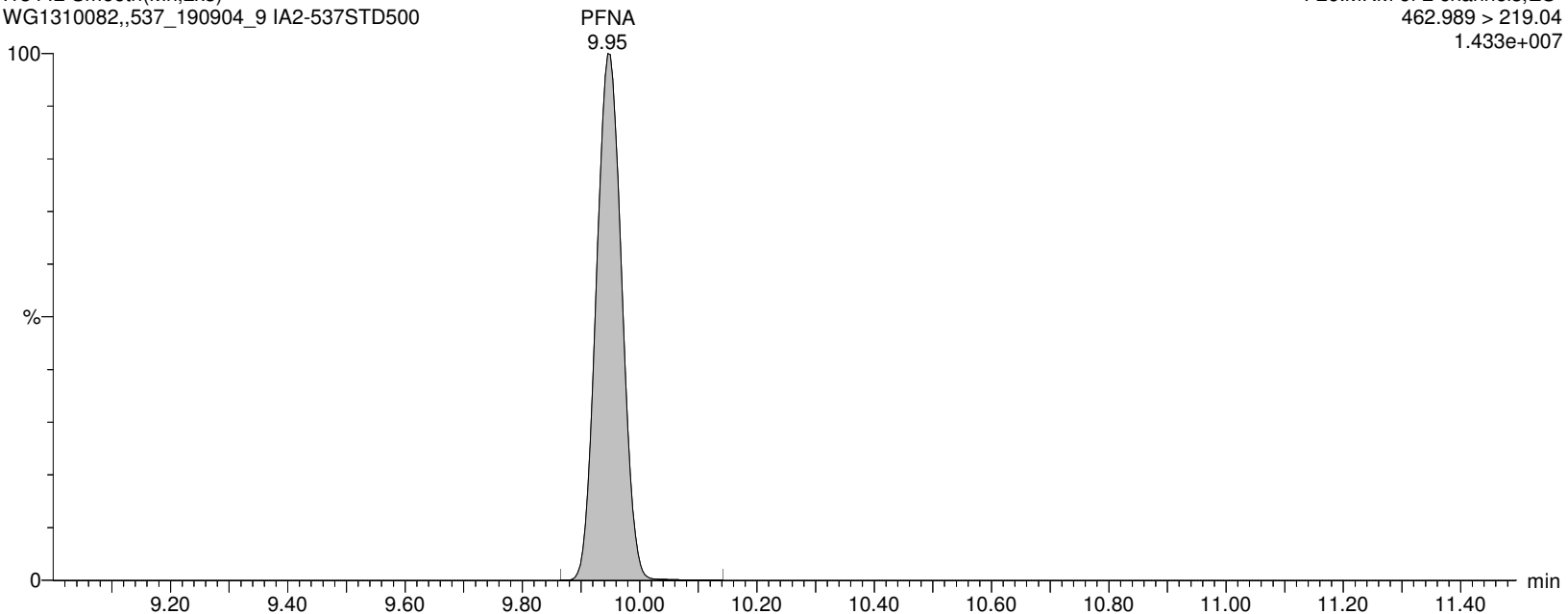
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F26:MRM of 2 channels,ES-

462.989 > 219.04

1.433e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

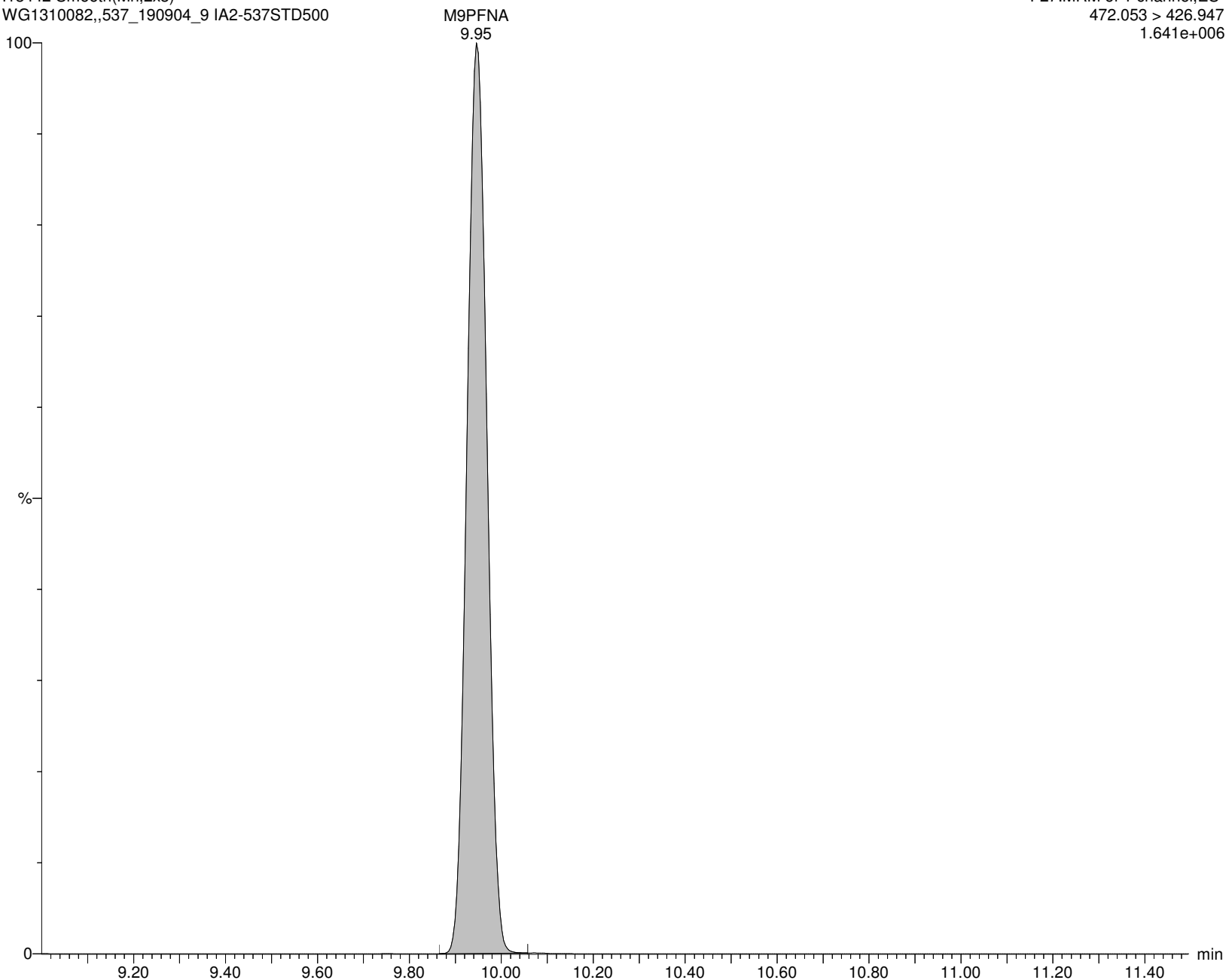
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F27:MRM of 1 channel,ES-

472.053 > 426.947

1.641e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

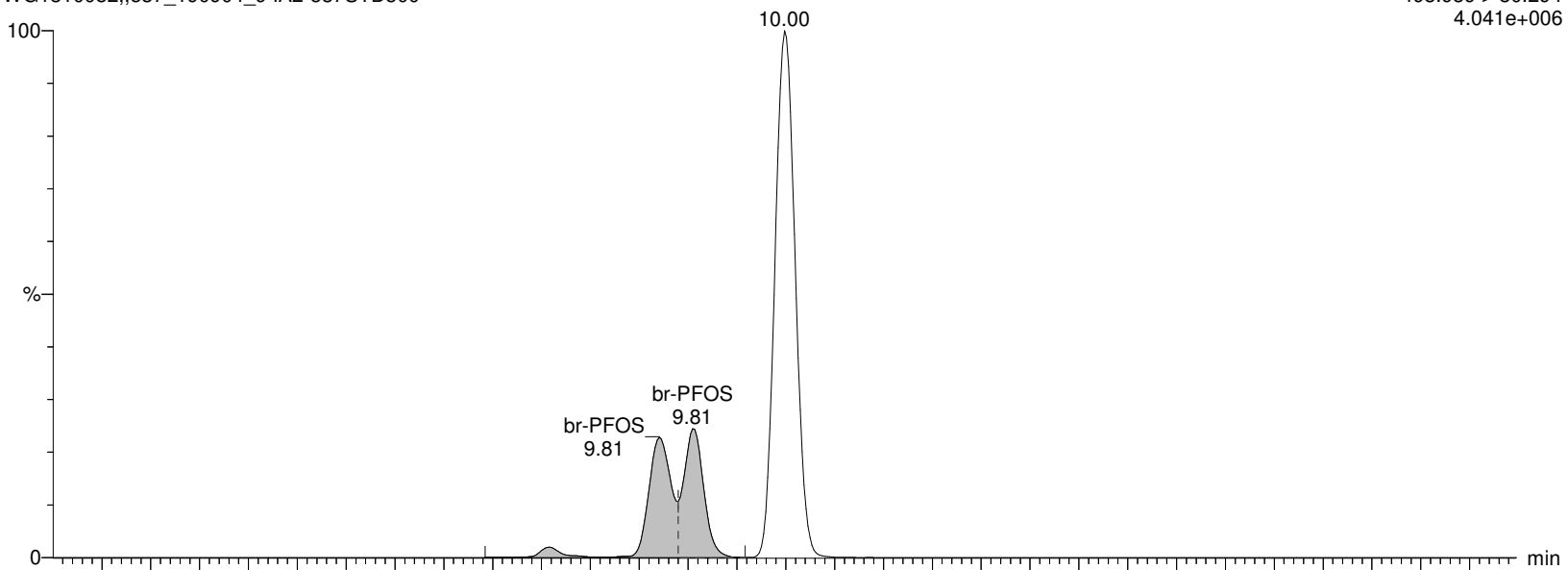
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.041e+006



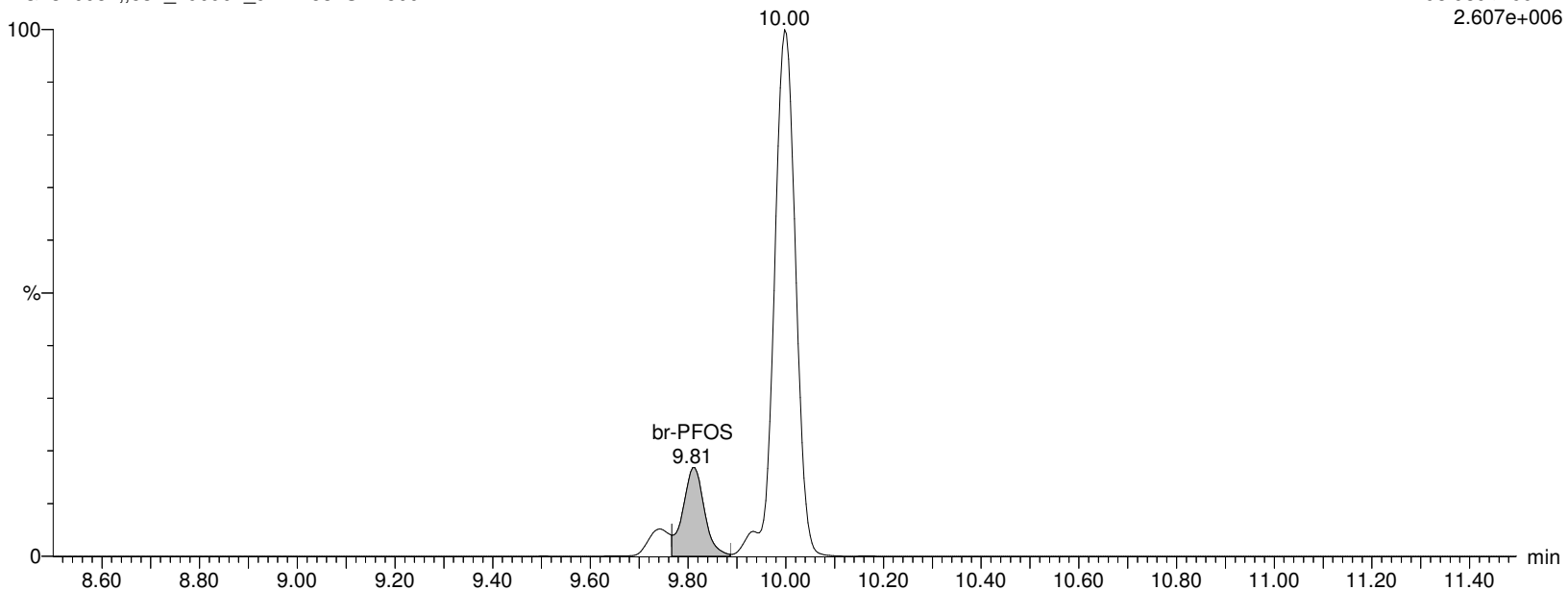
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 99.27

2.607e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

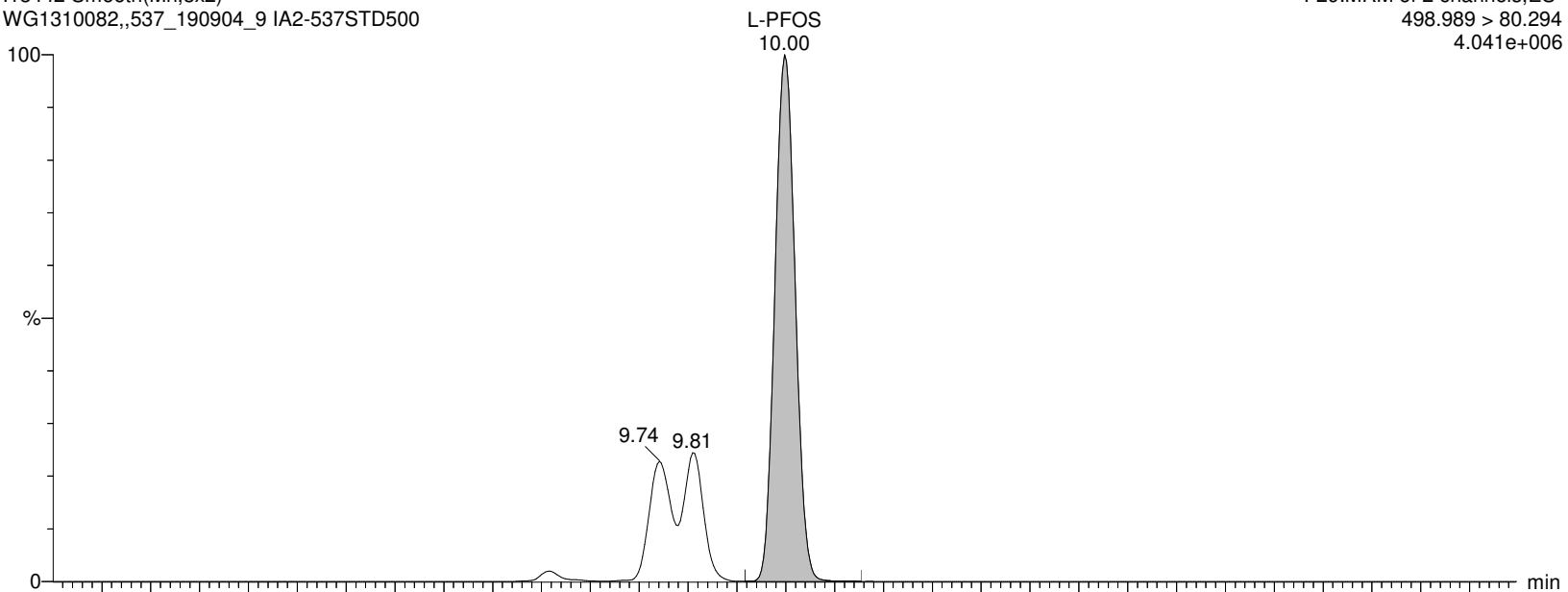
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.041e+006



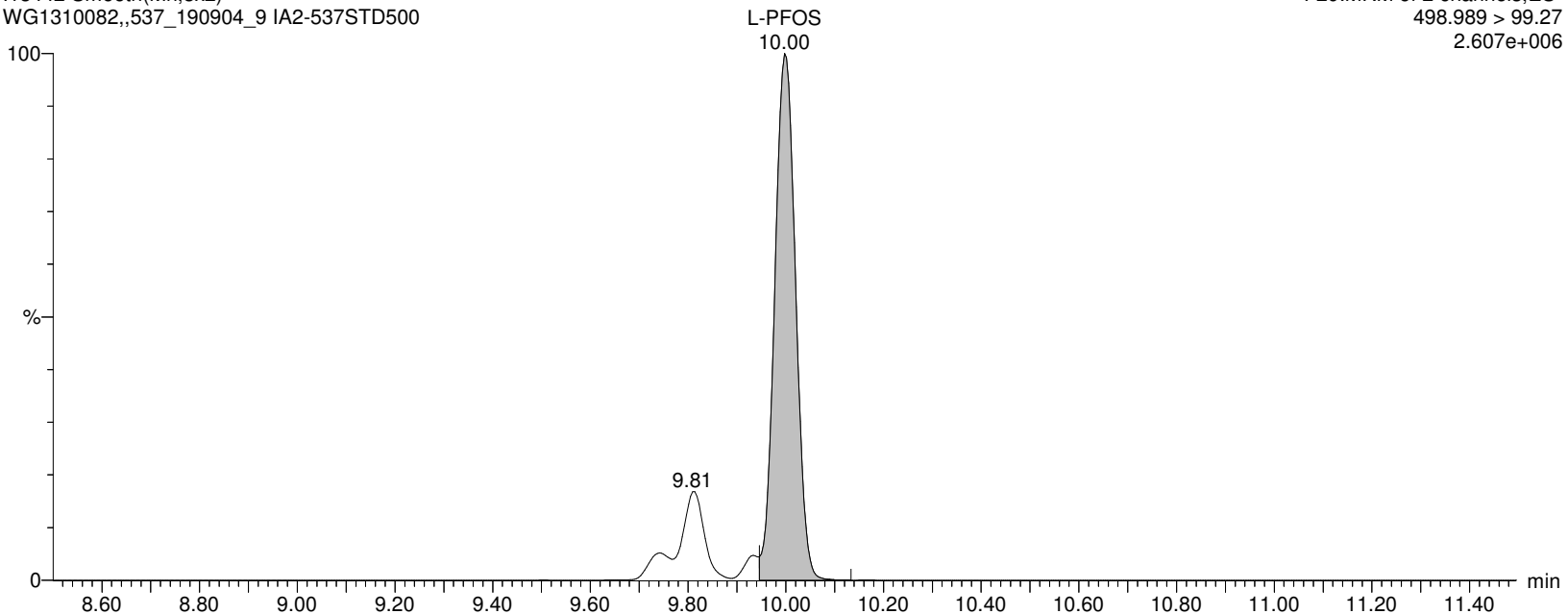
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 99.27

2.607e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

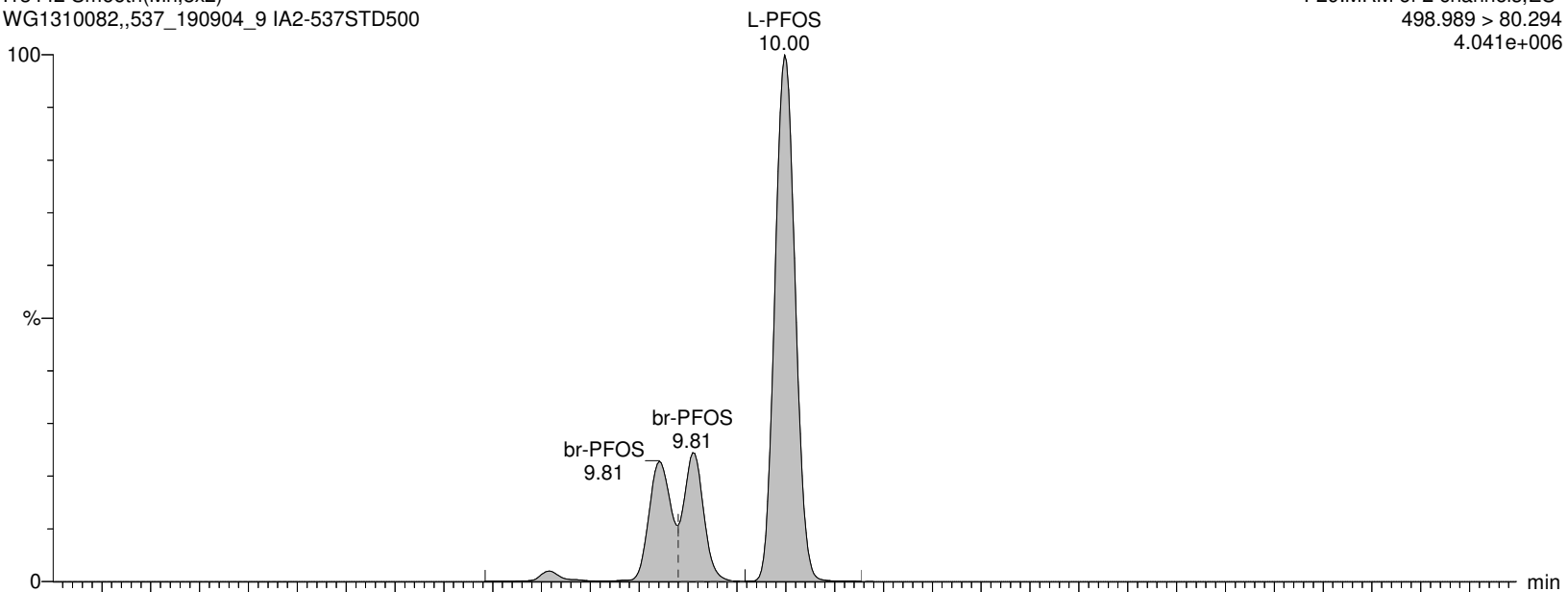
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.041e+006



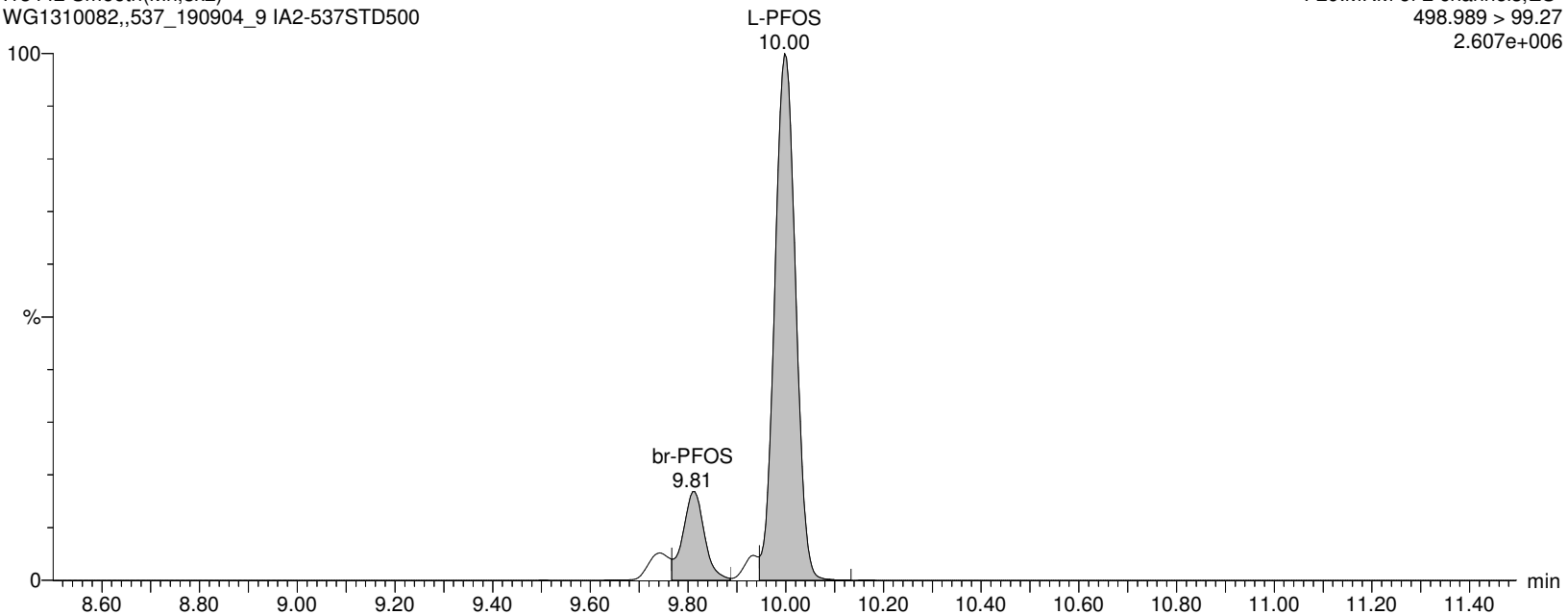
I13442 Smooth(Mn,3x2)

WG1310082,,537_190904_9 IA2-537STD500

F29:MRM of 2 channels,ES-

498.989 > 99.27

2.607e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

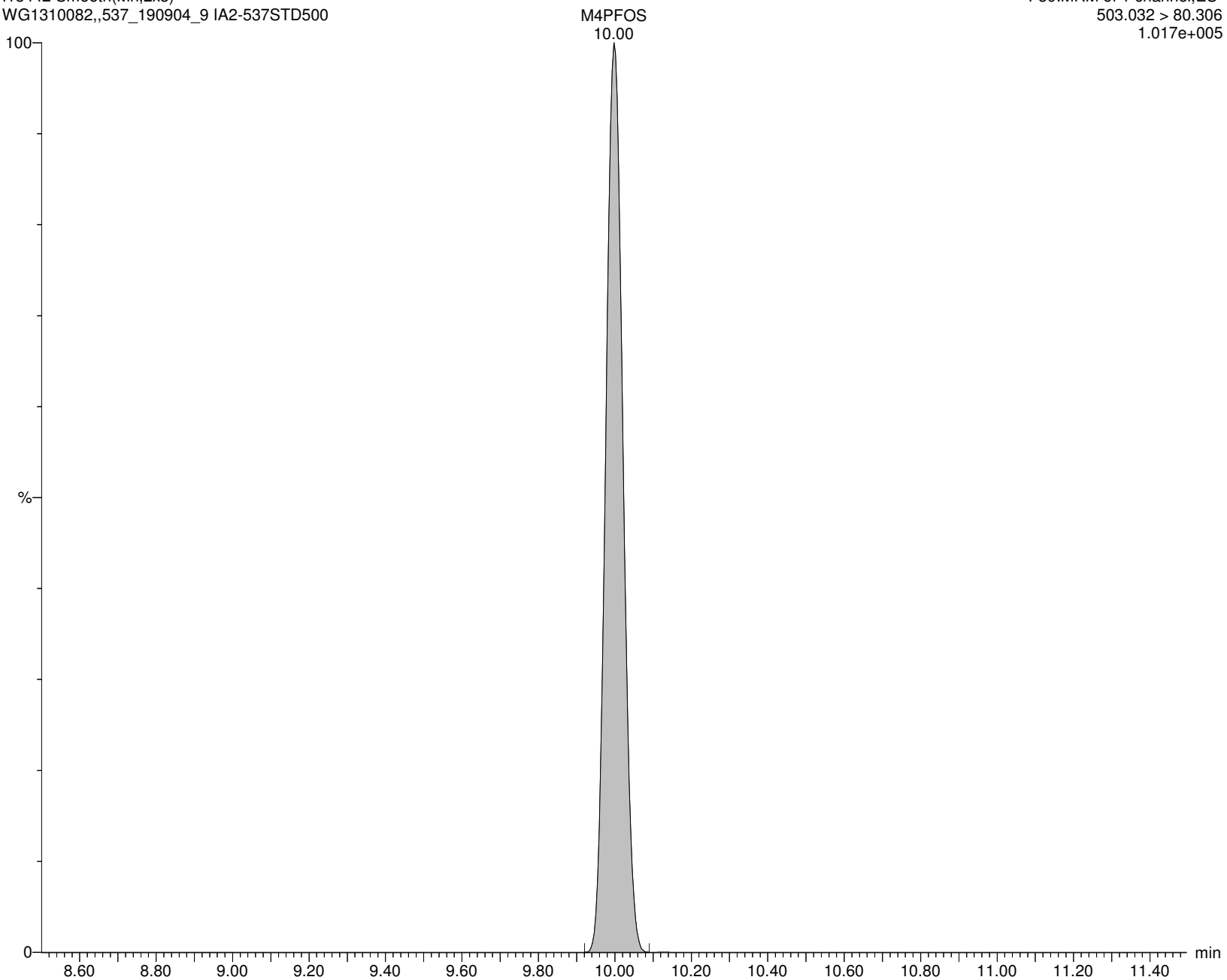
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.017e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

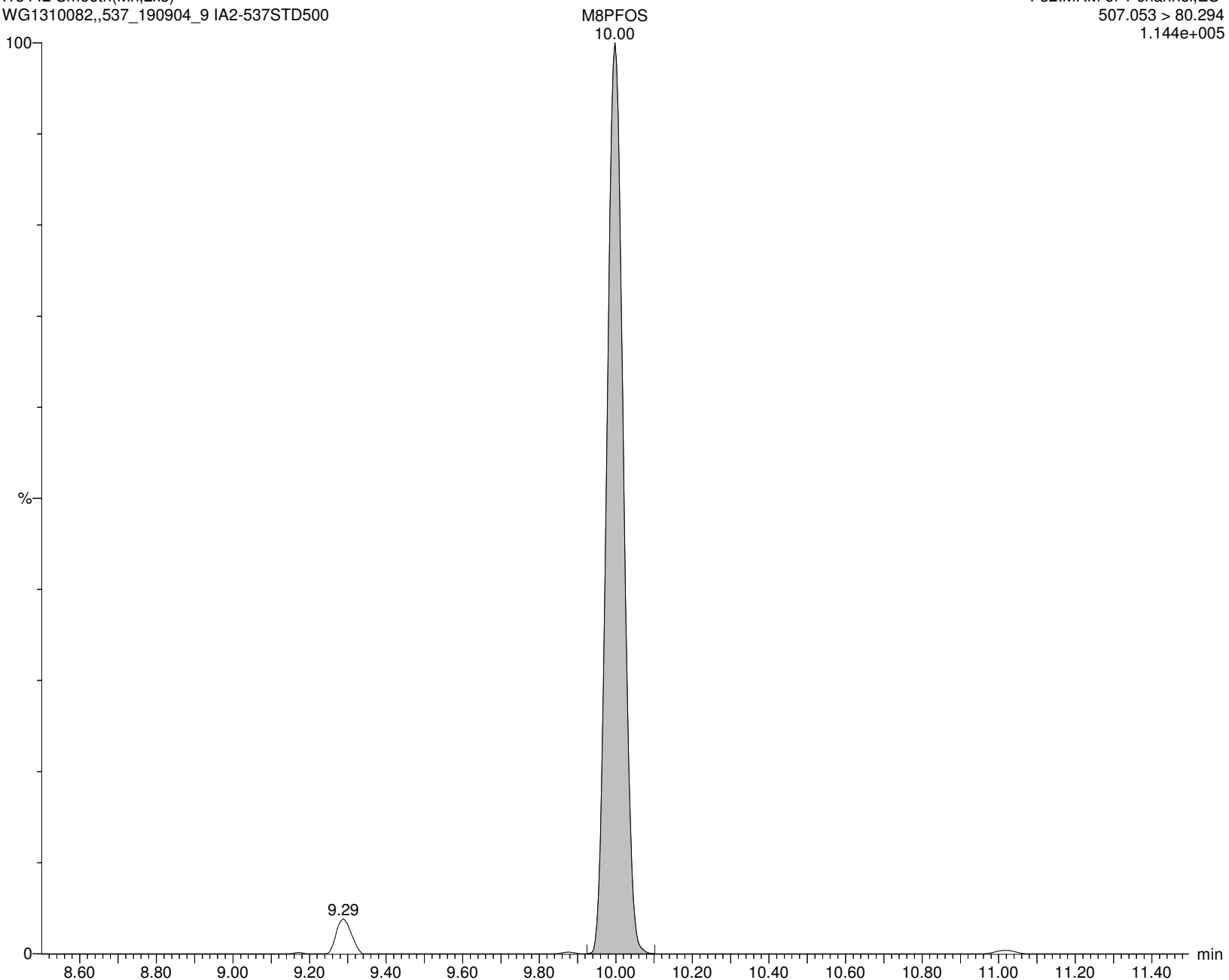
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.144e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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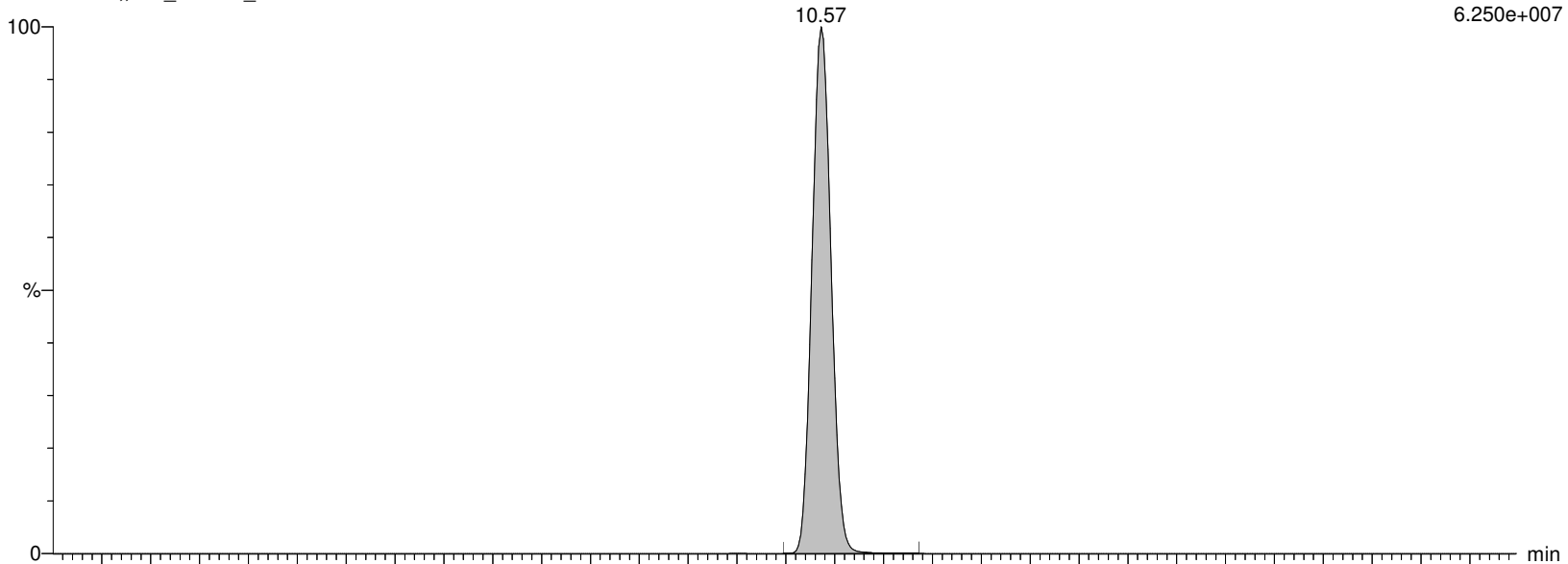
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F34:MRM of 2 channels,ES-

513.053 > 468.906

6.250e+007



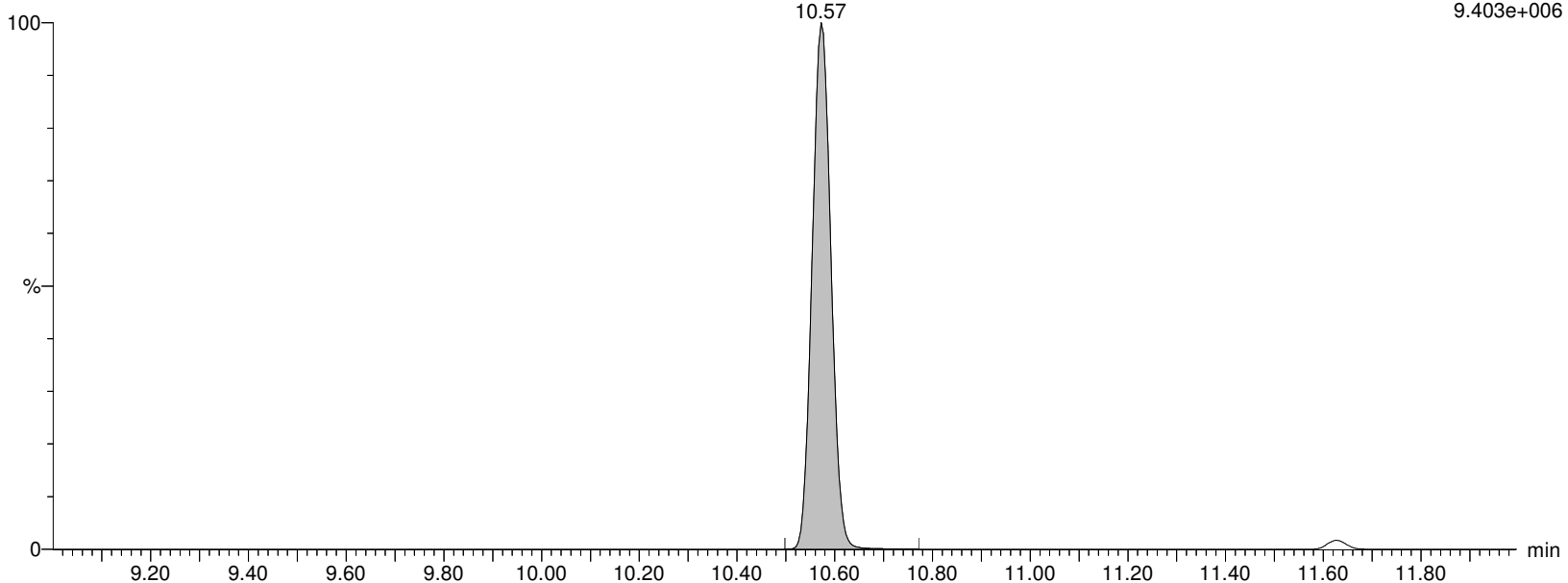
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F34:MRM of 2 channels,ES-

513.053 > 219.08

9.403e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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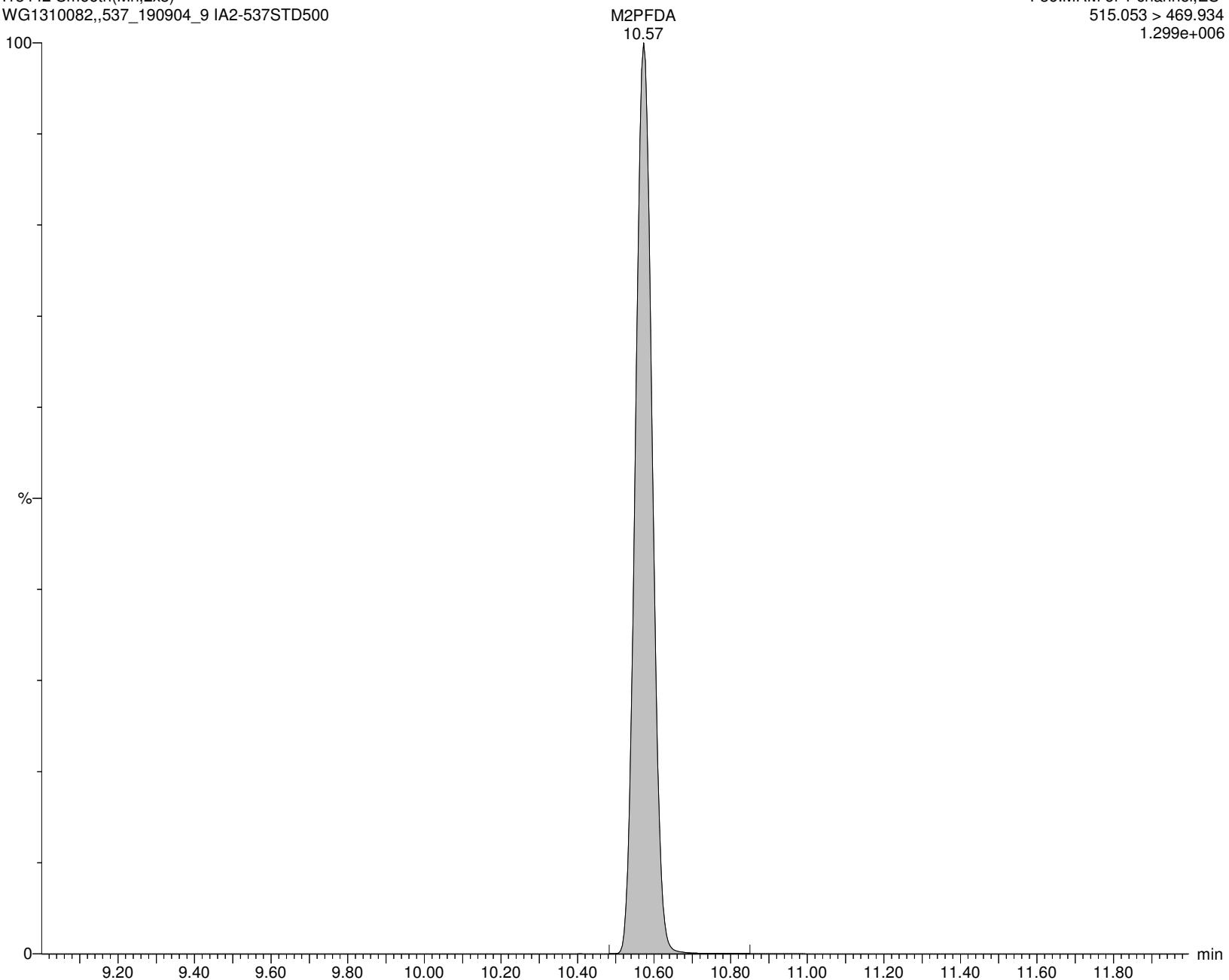
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F36:MRM of 1 channel,ES-

515.053 > 469.934

1.299e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

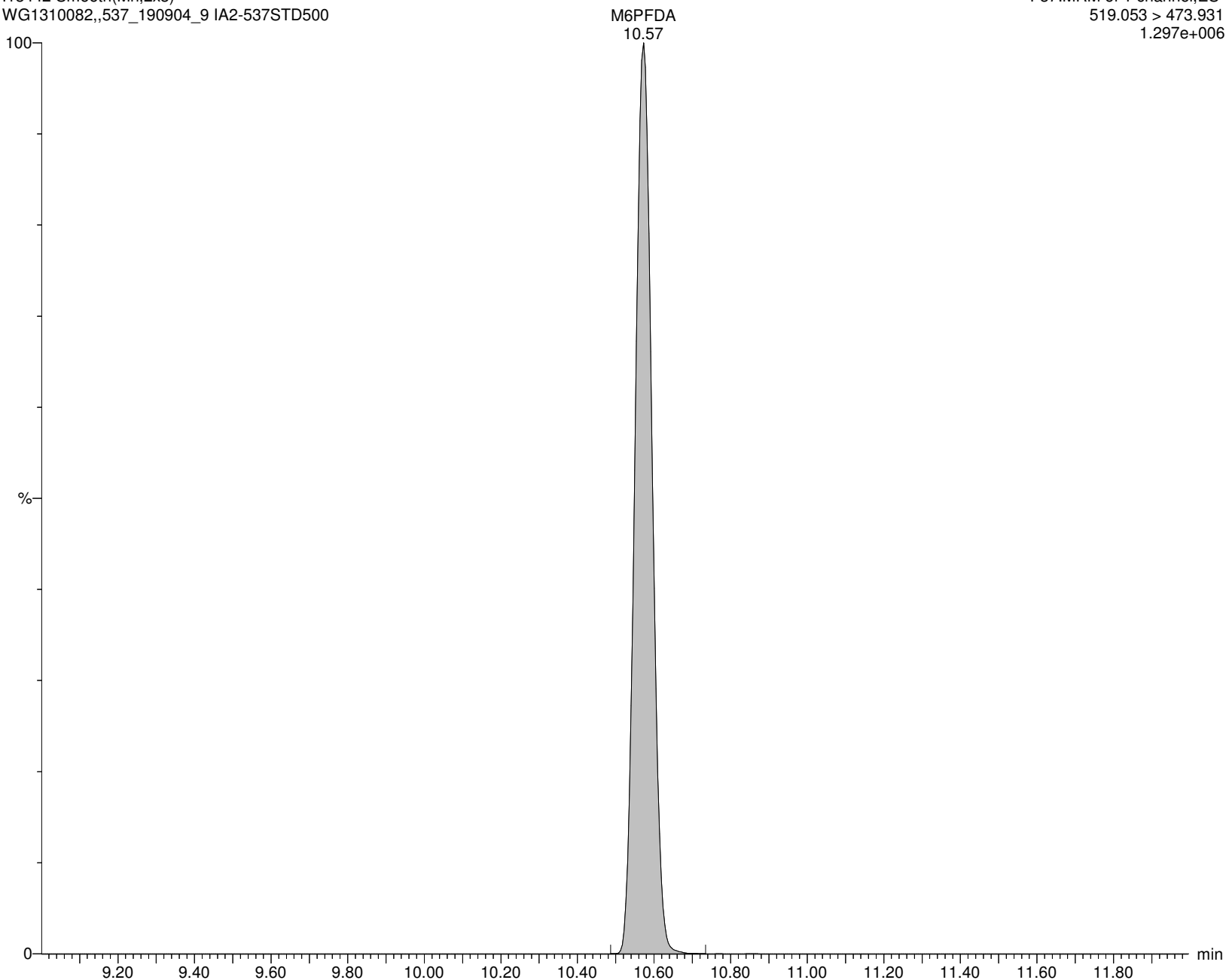
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F37:MRM of 1 channel,ES-

519.053 > 473.931

1.297e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

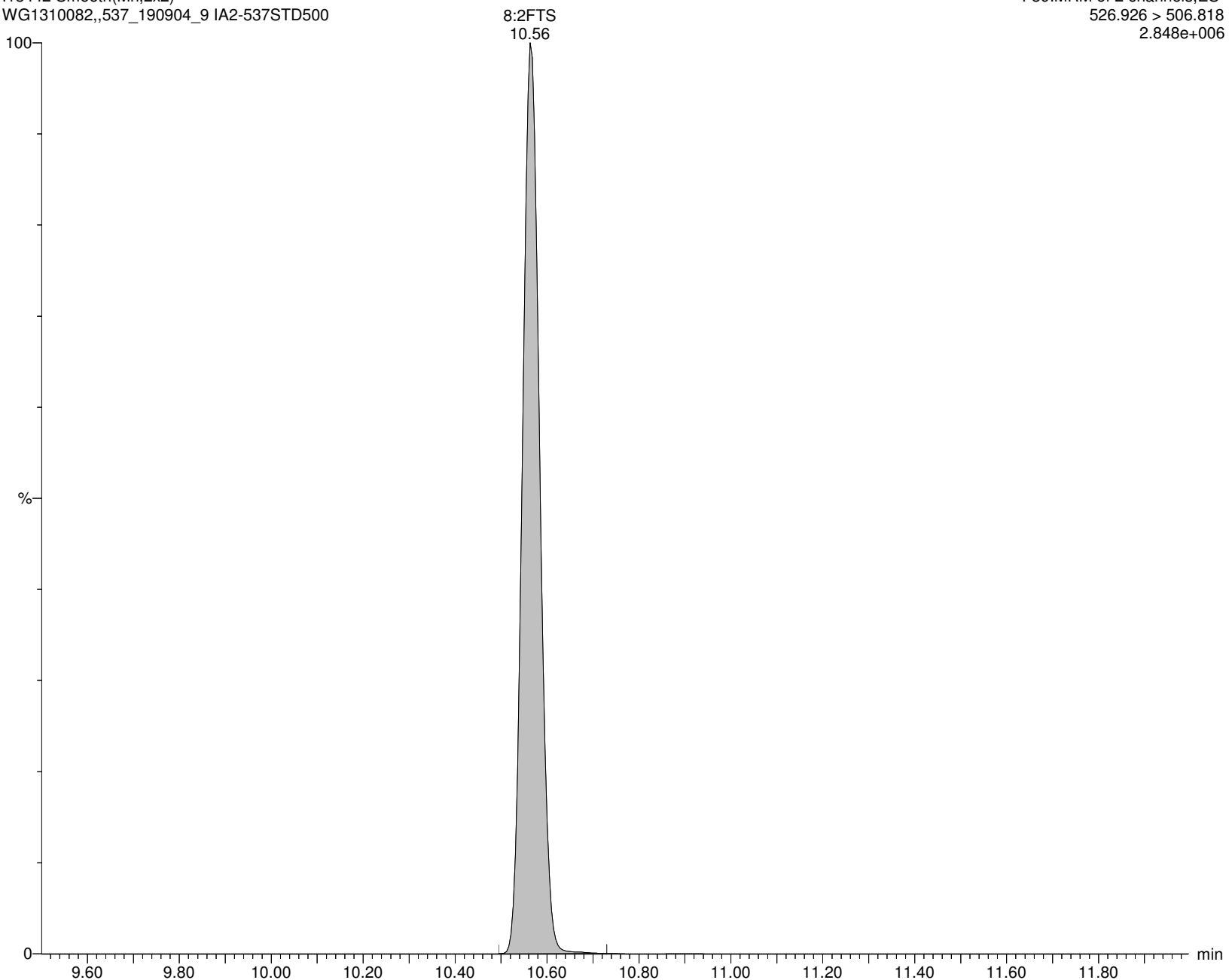
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F39:MRM of 2 channels,ES-

526.926 > 506.818

2.848e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

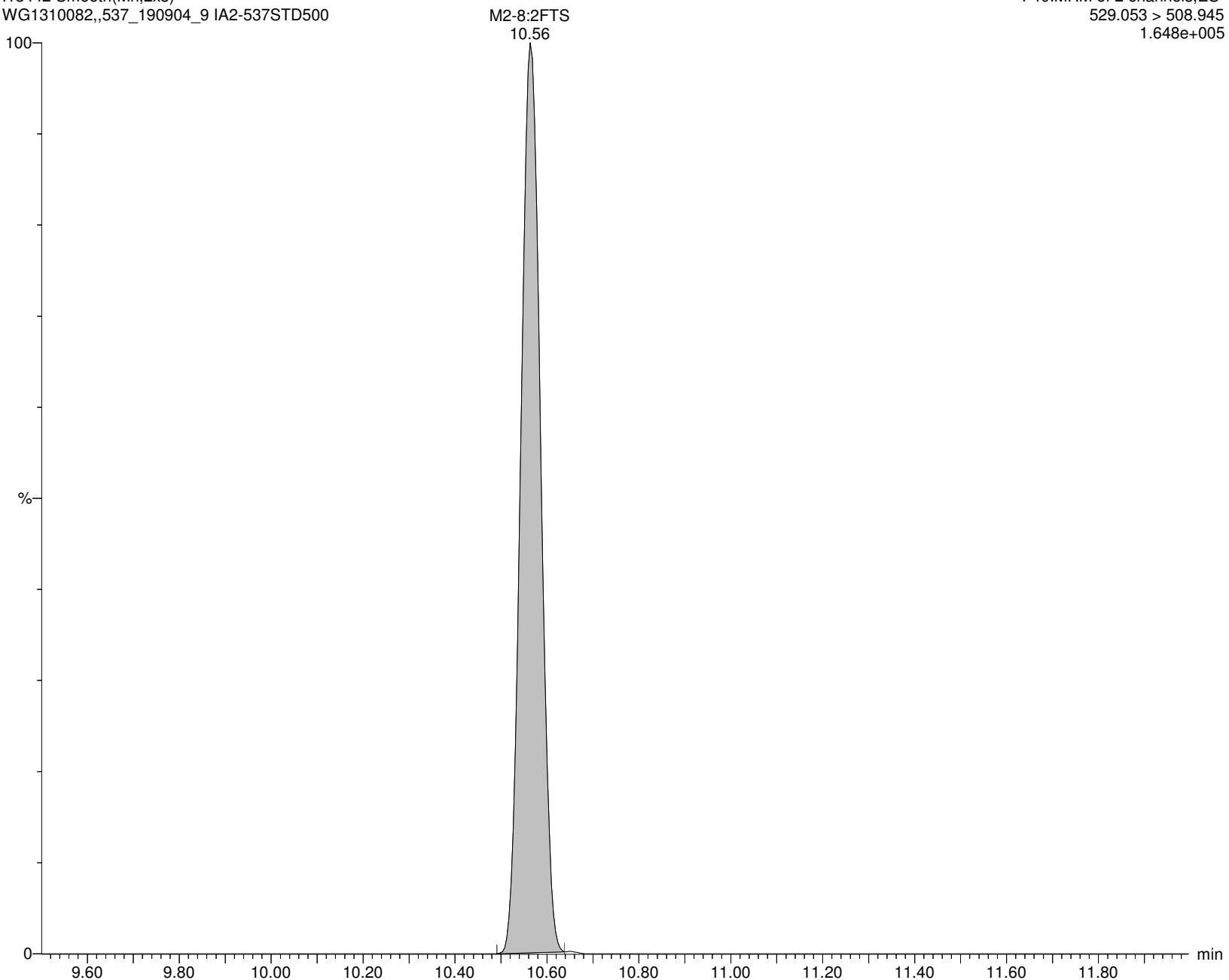
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F40:MRM of 2 channels,ES-

529.053 > 508.945

1.648e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

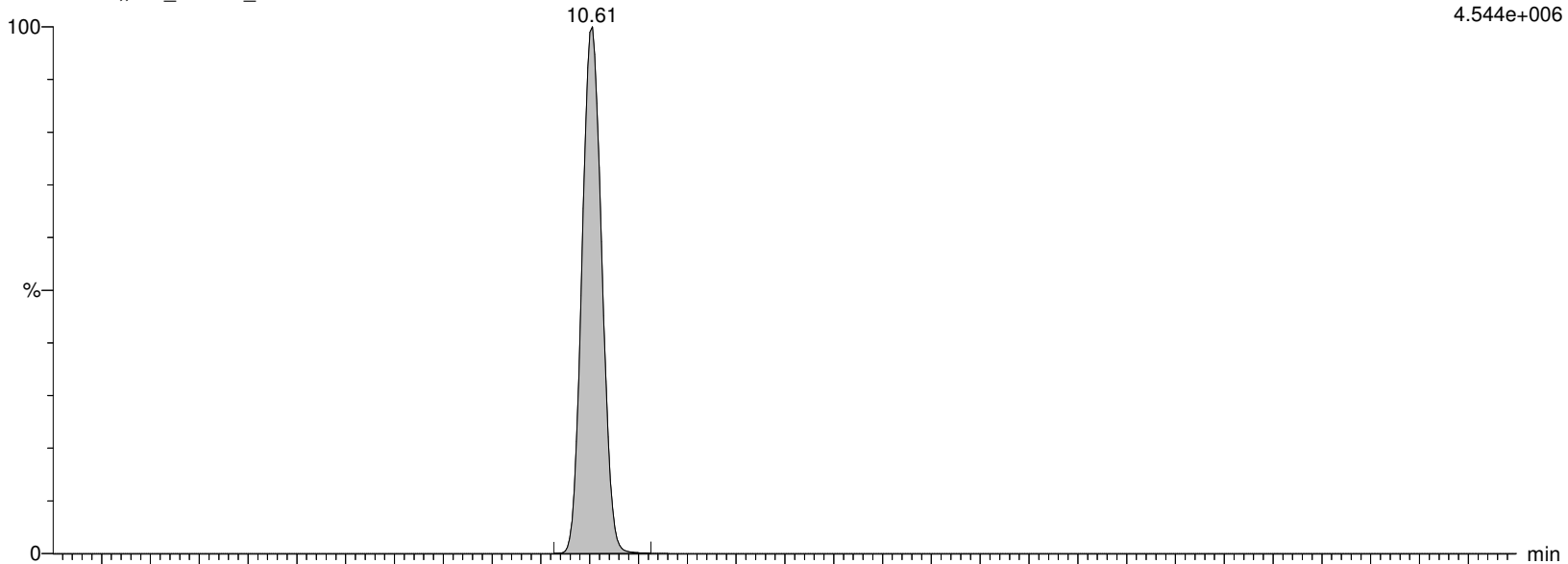
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F43:MRM of 2 channels,ES-

548.989 > 80.249

4.544e+006



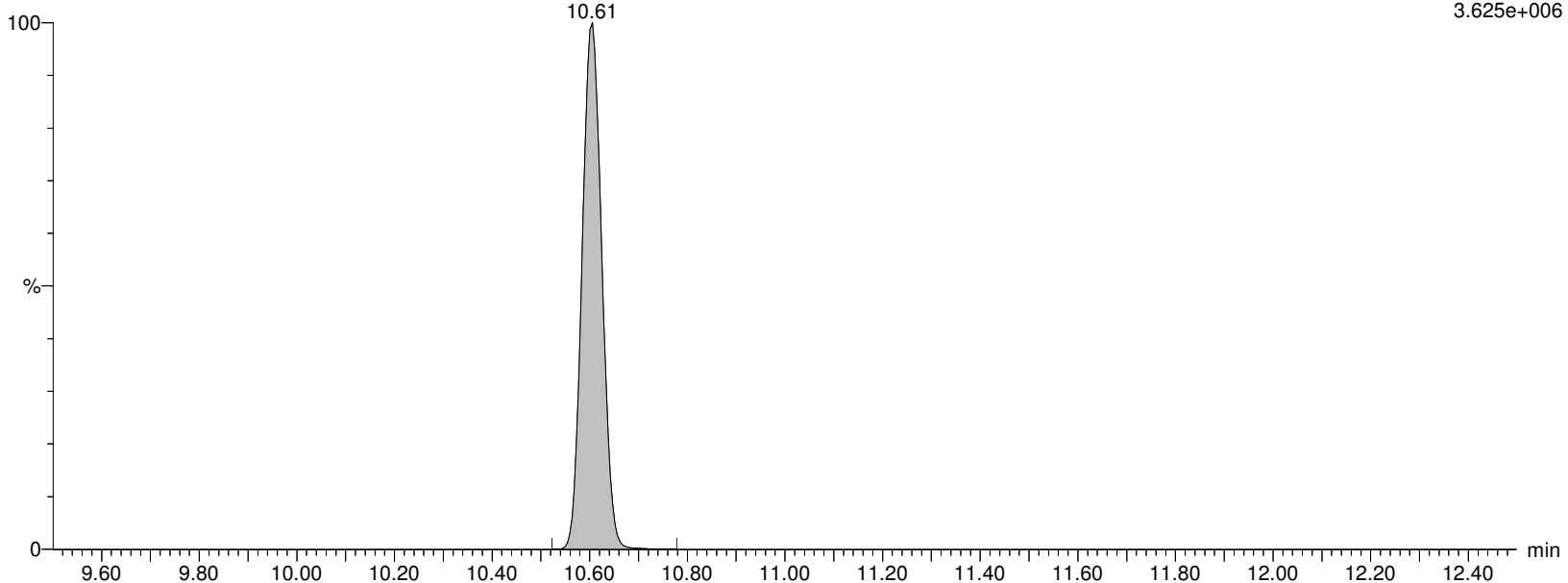
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F43:MRM of 2 channels,ES-

548.989 > 99.22

3.625e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

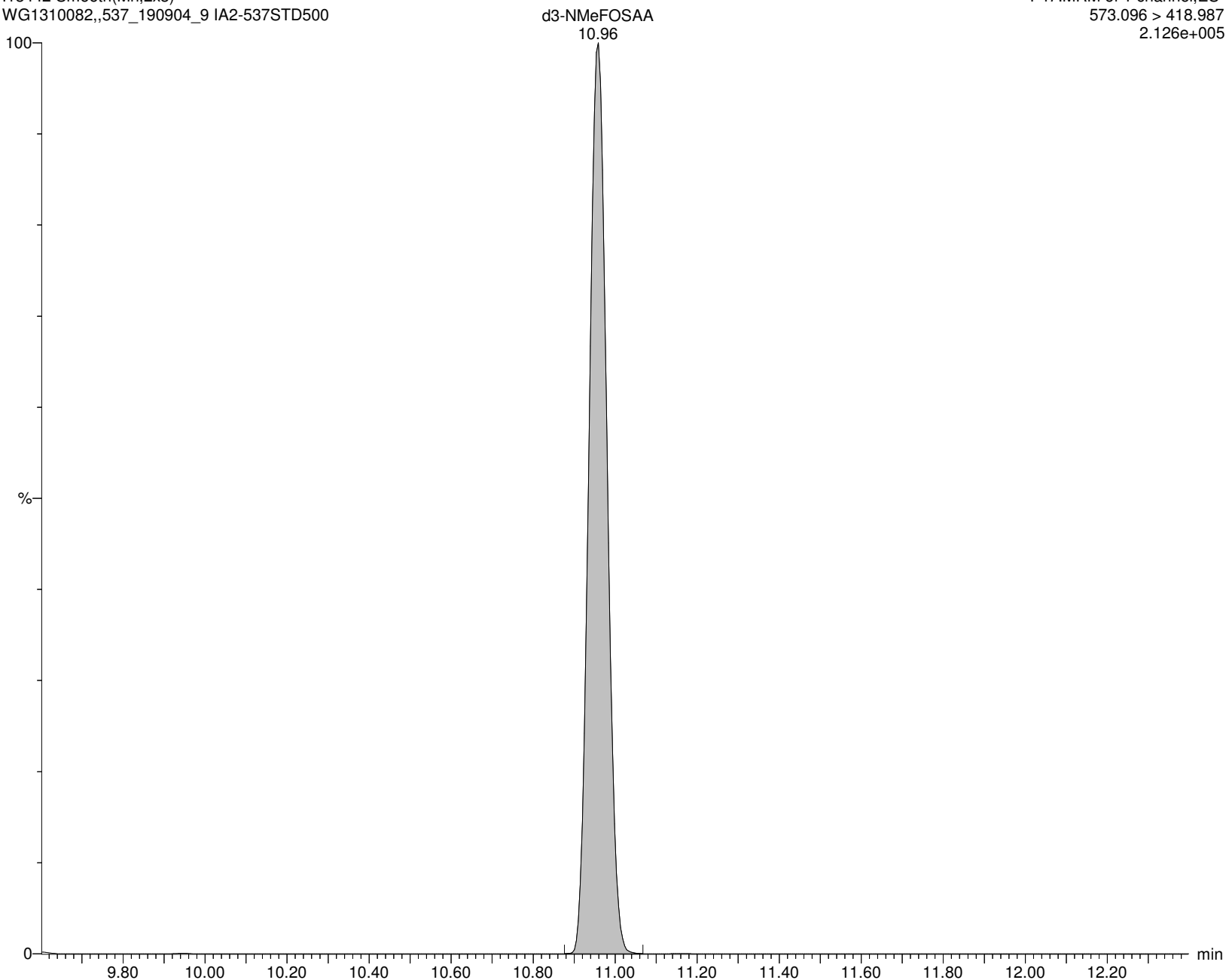
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.126e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

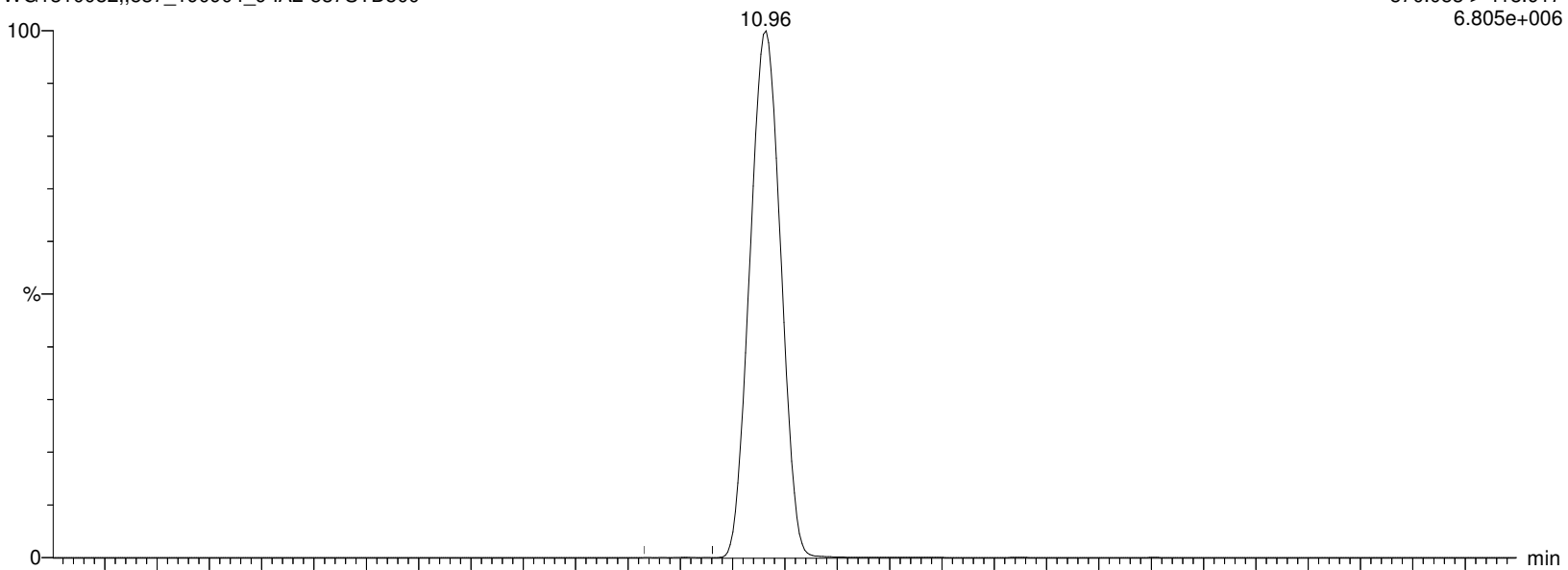
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.805e+006



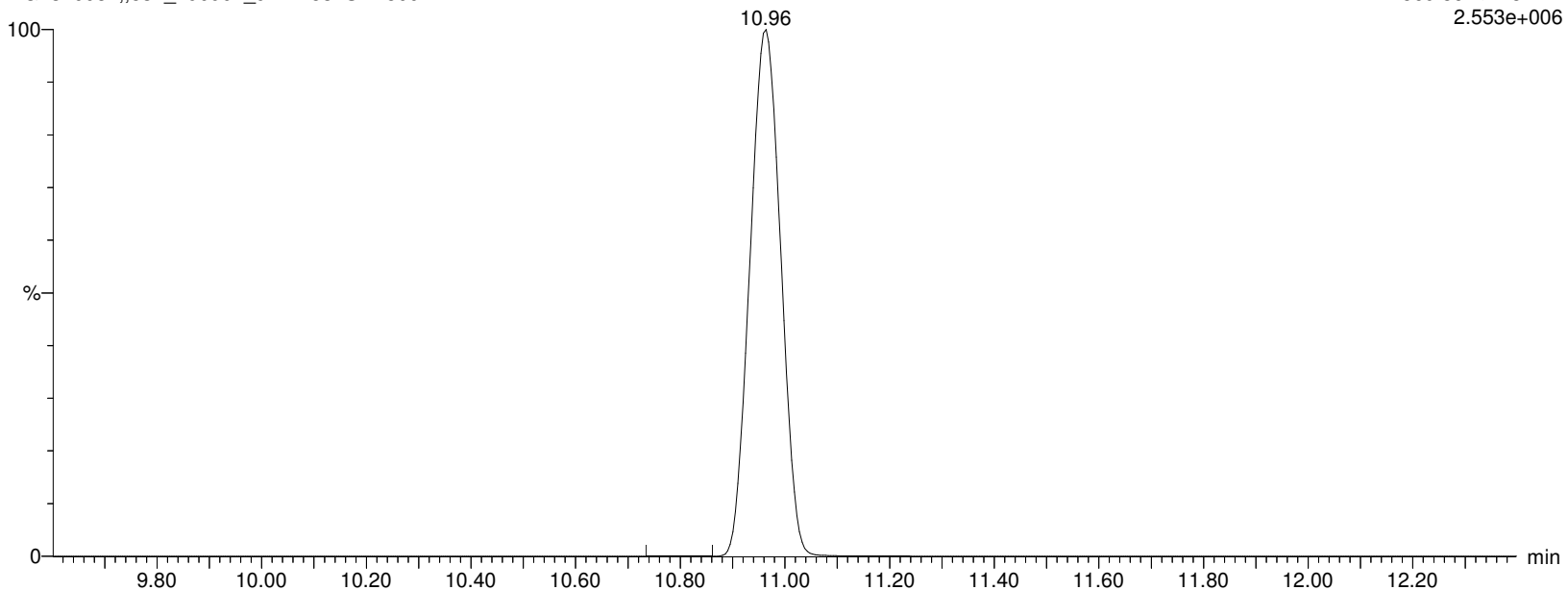
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.553e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

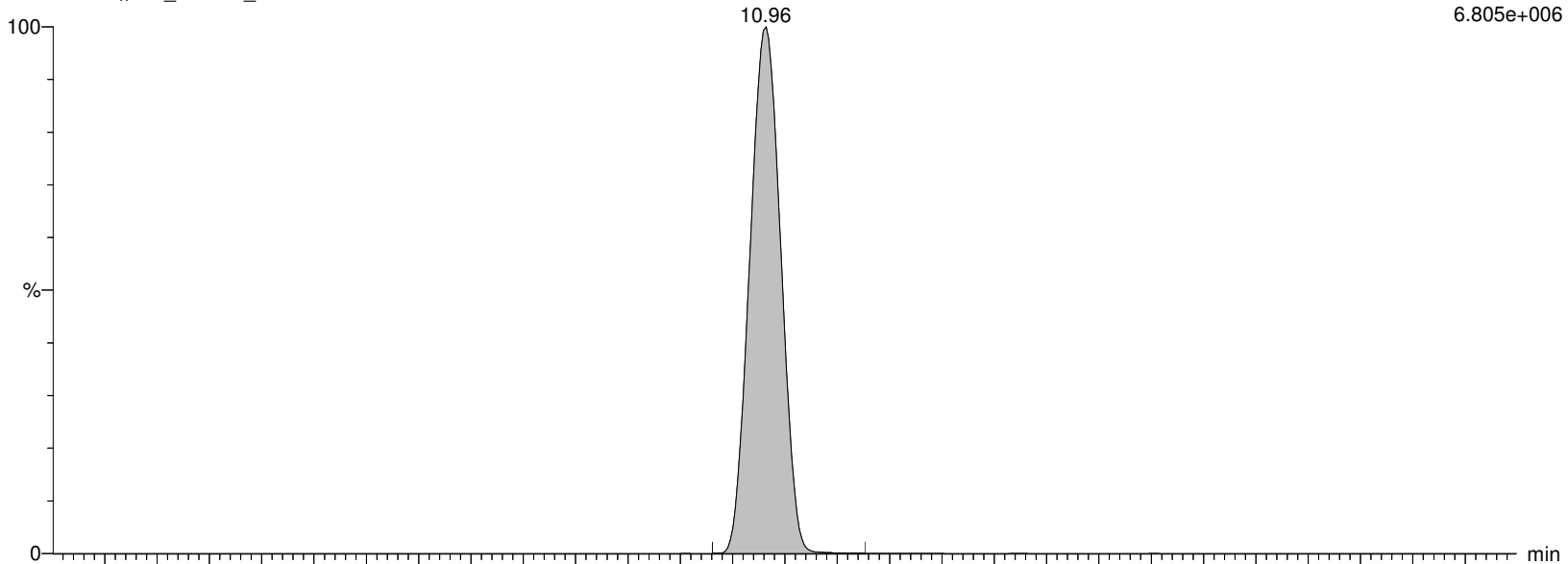
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.805e+006



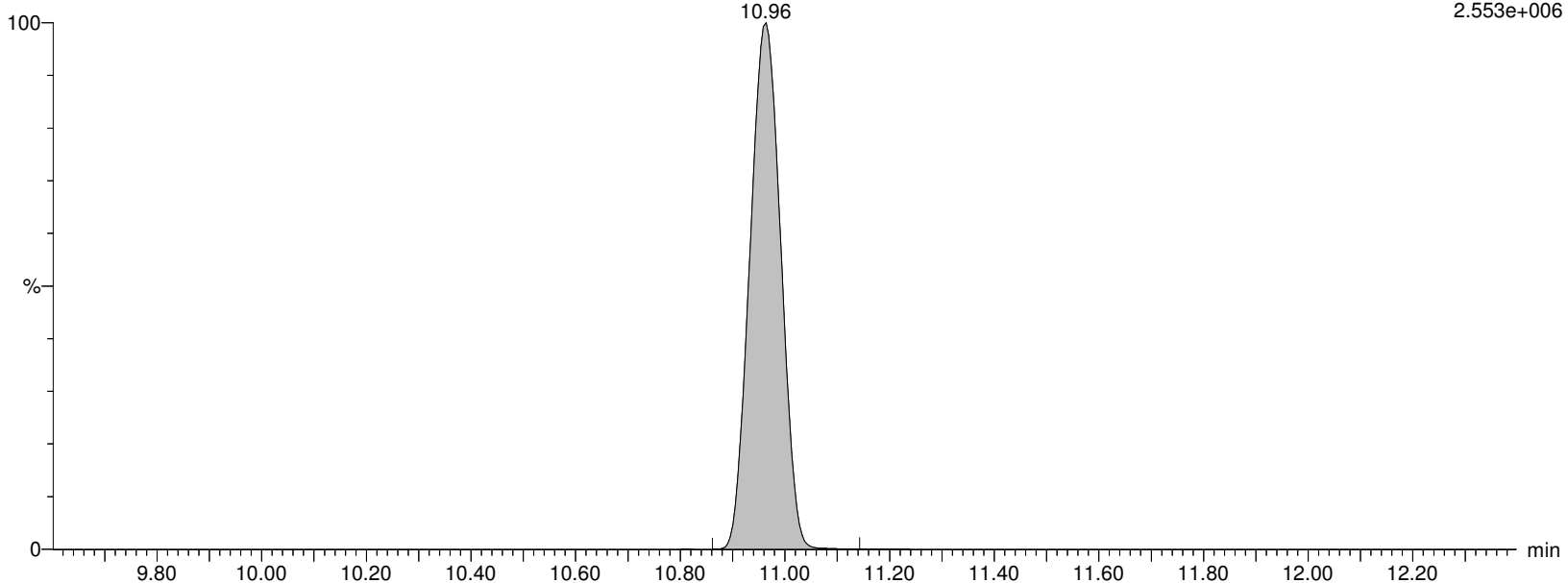
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.553e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

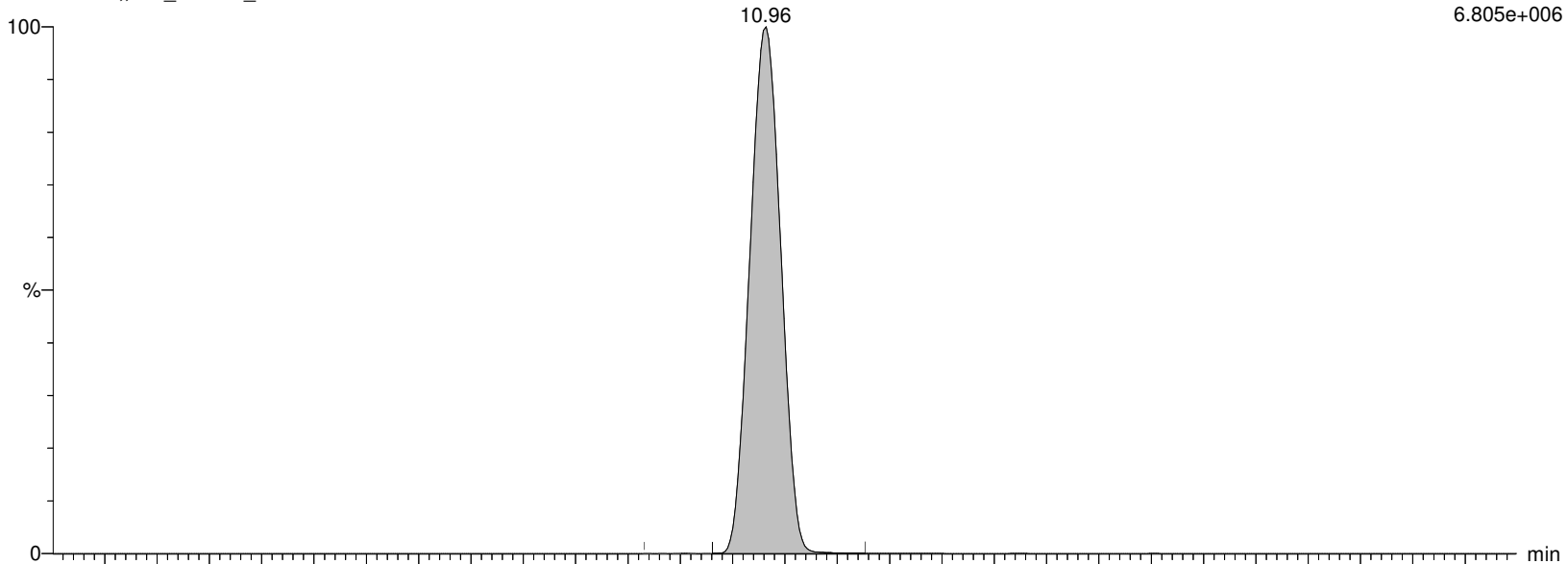
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.805e+006



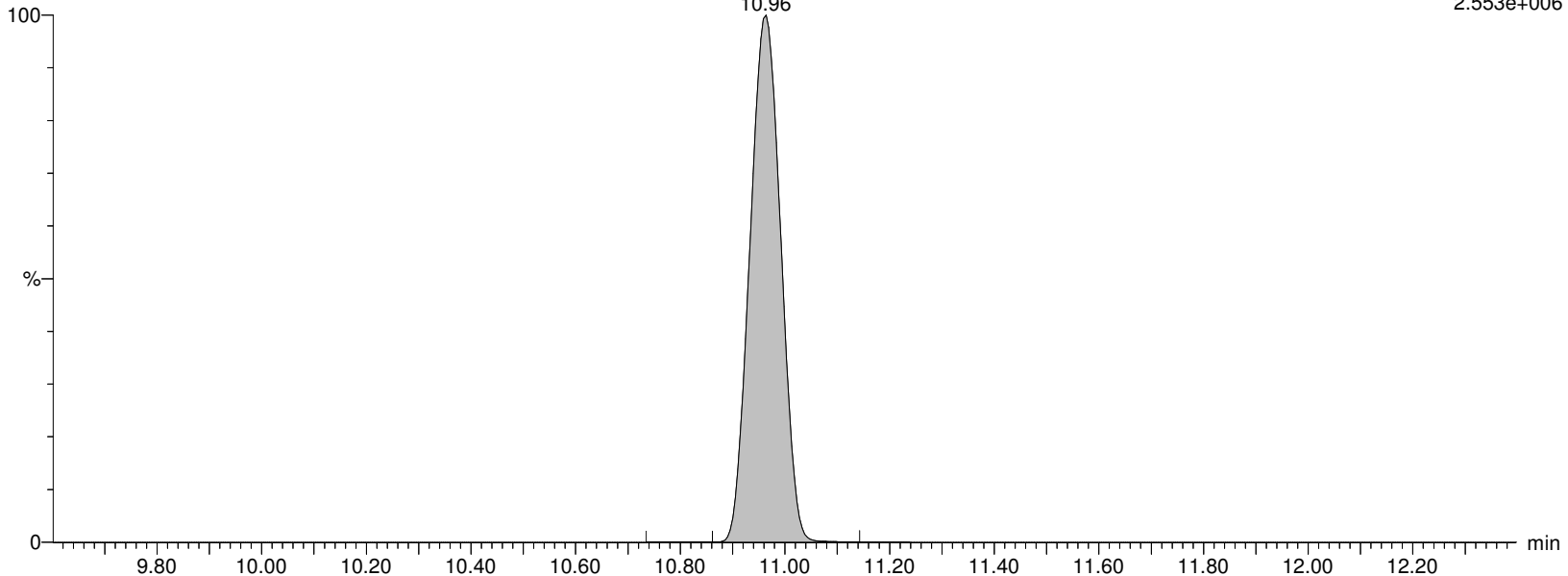
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.553e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

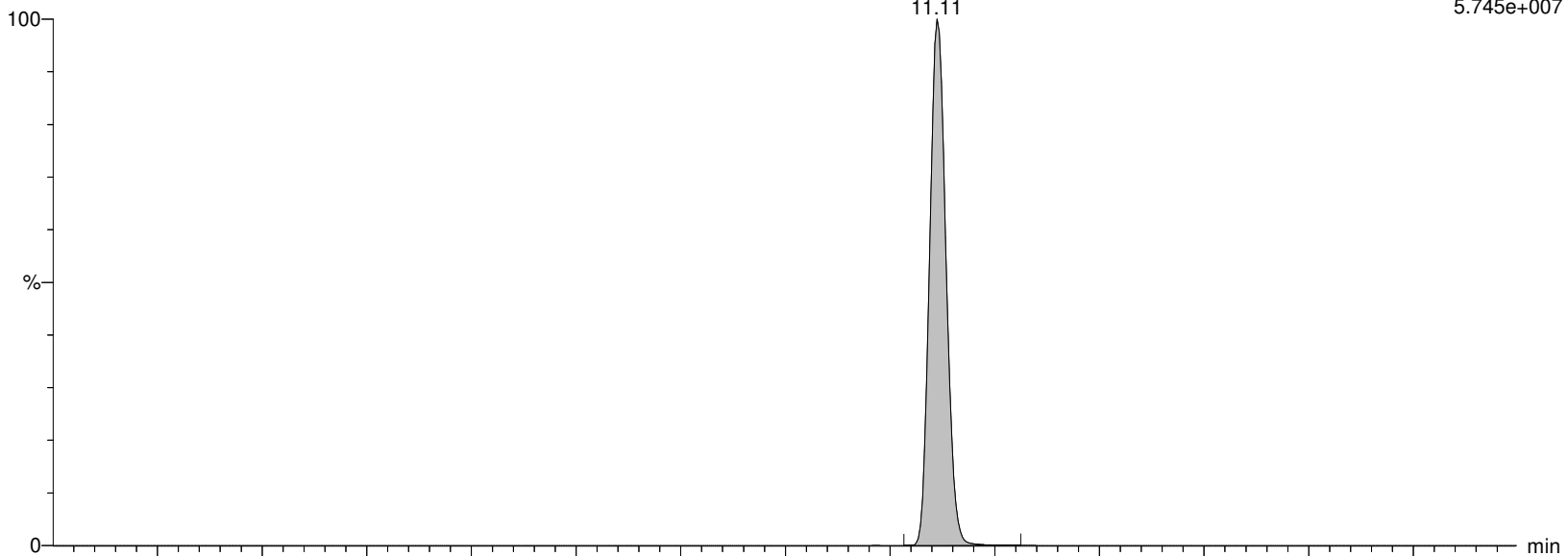
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F44:MRM of 2 channels,ES-

562.989 > 518.903

5.745e+007



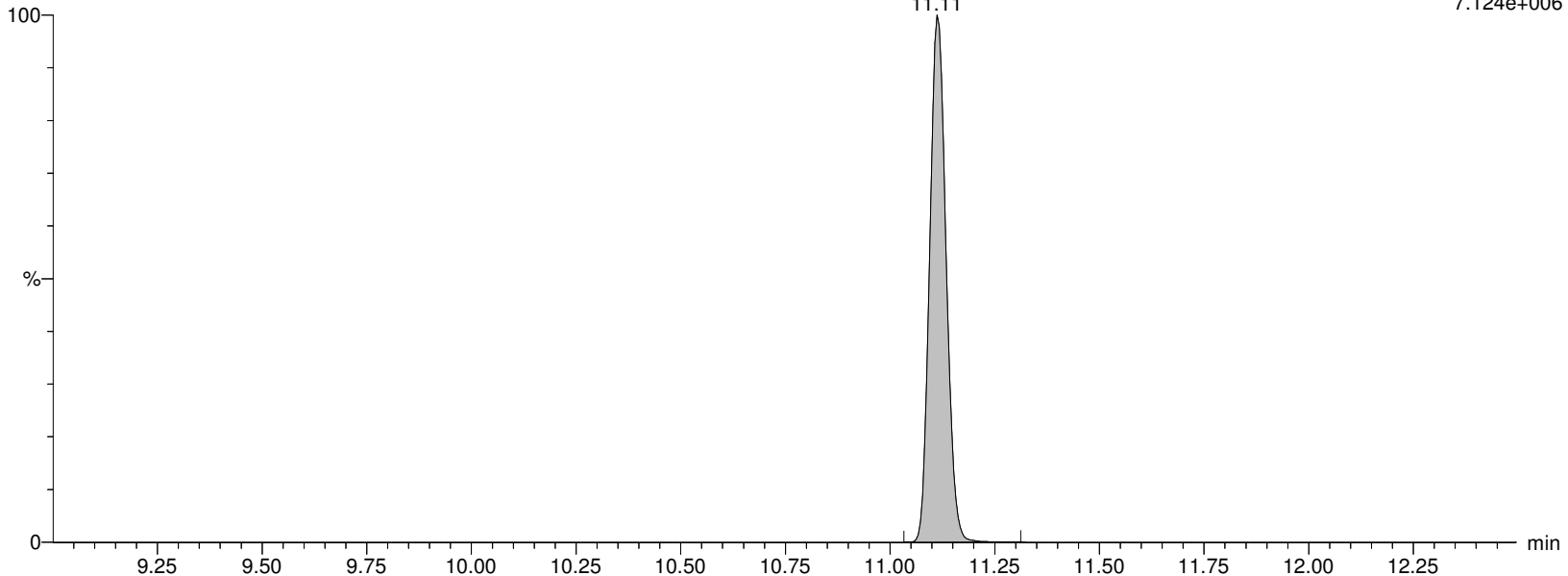
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F44:MRM of 2 channels,ES-

562.989 > 269.01

7.124e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

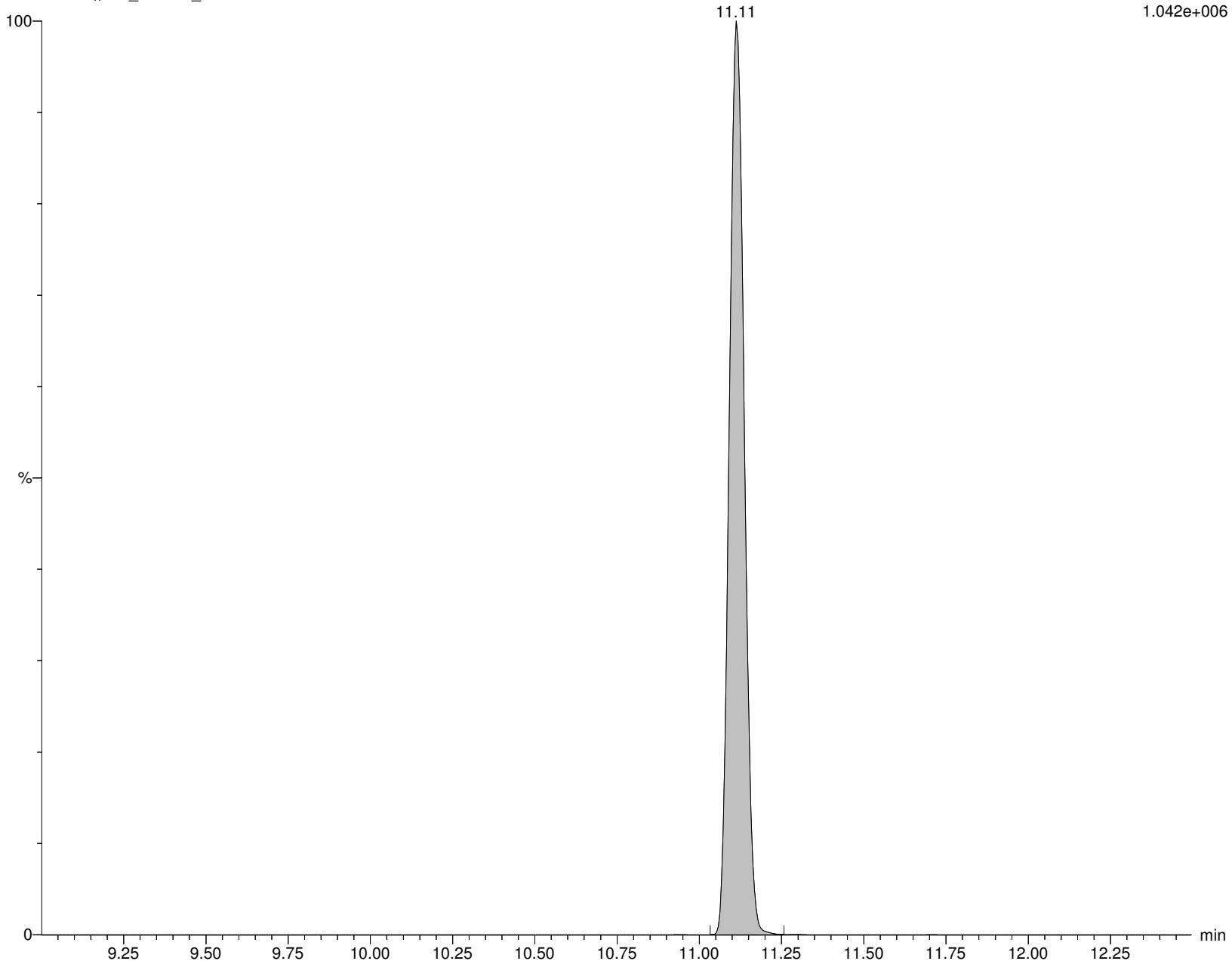
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.042e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

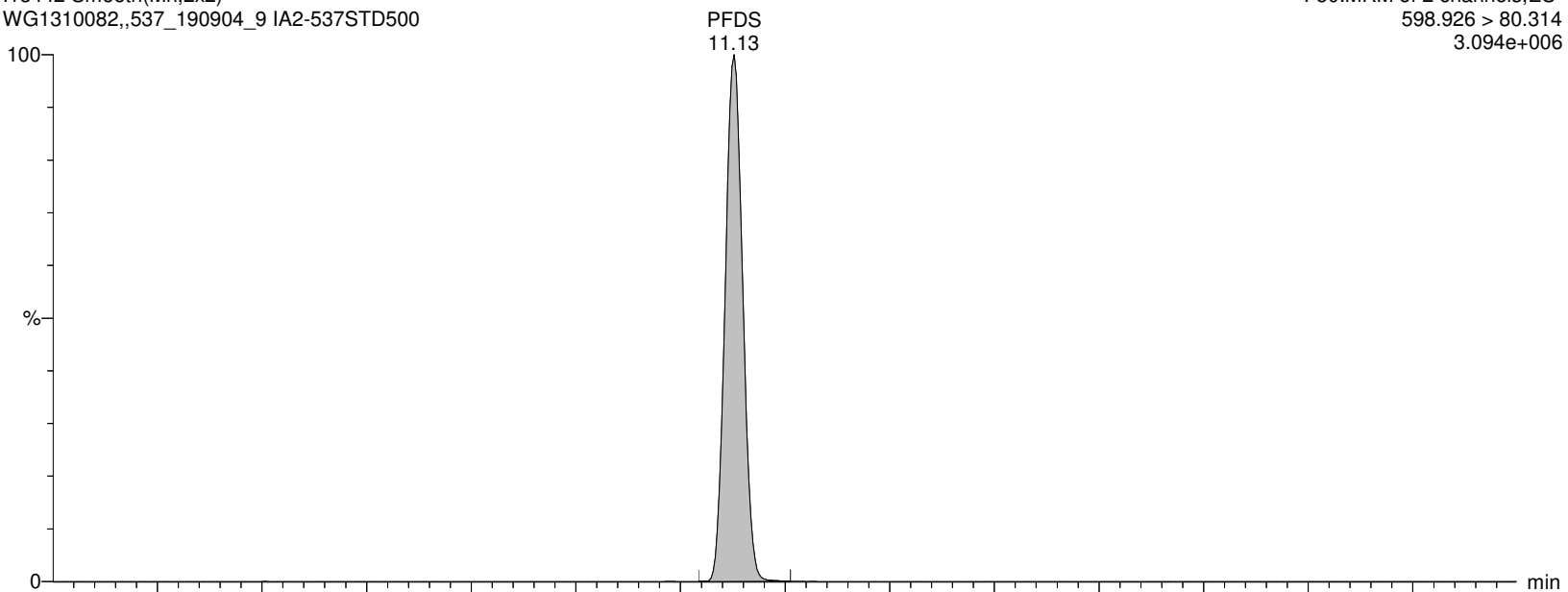
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F50:MRM of 2 channels,ES-

598.926 > 80.314

3.094e+006



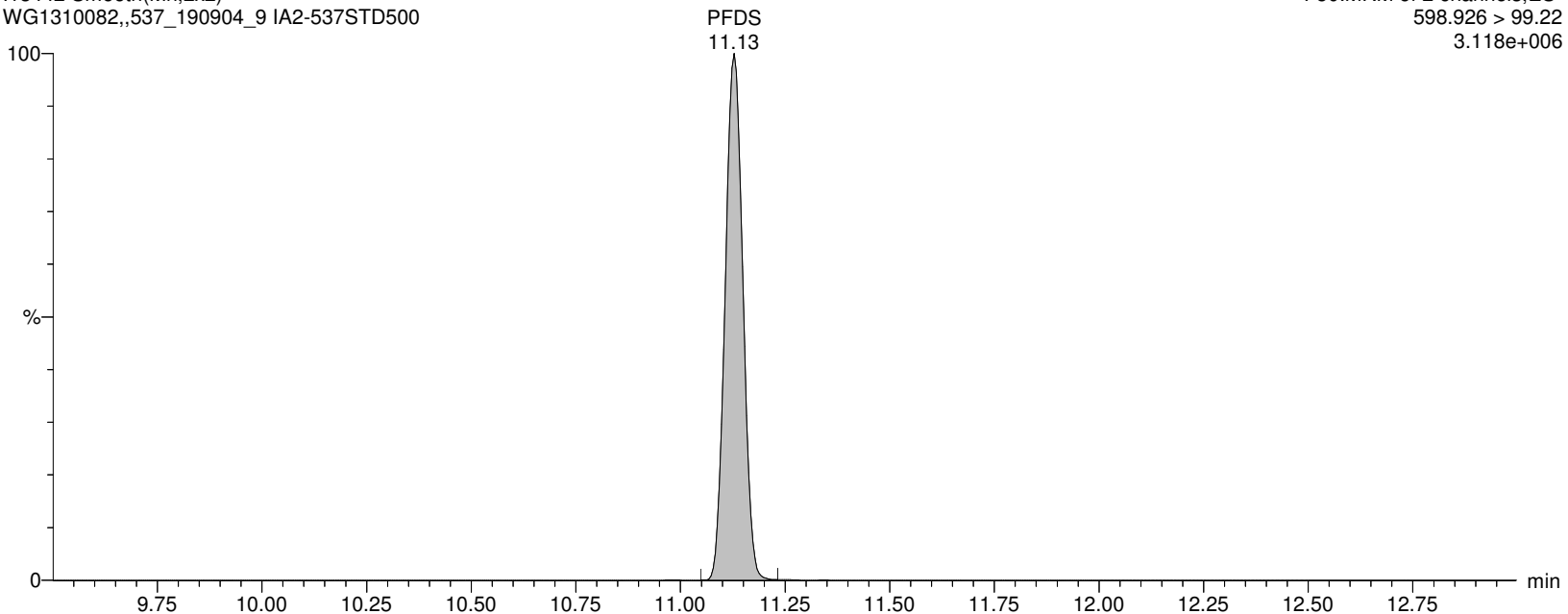
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F50:MRM of 2 channels,ES-

598.926 > 99.22

3.118e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

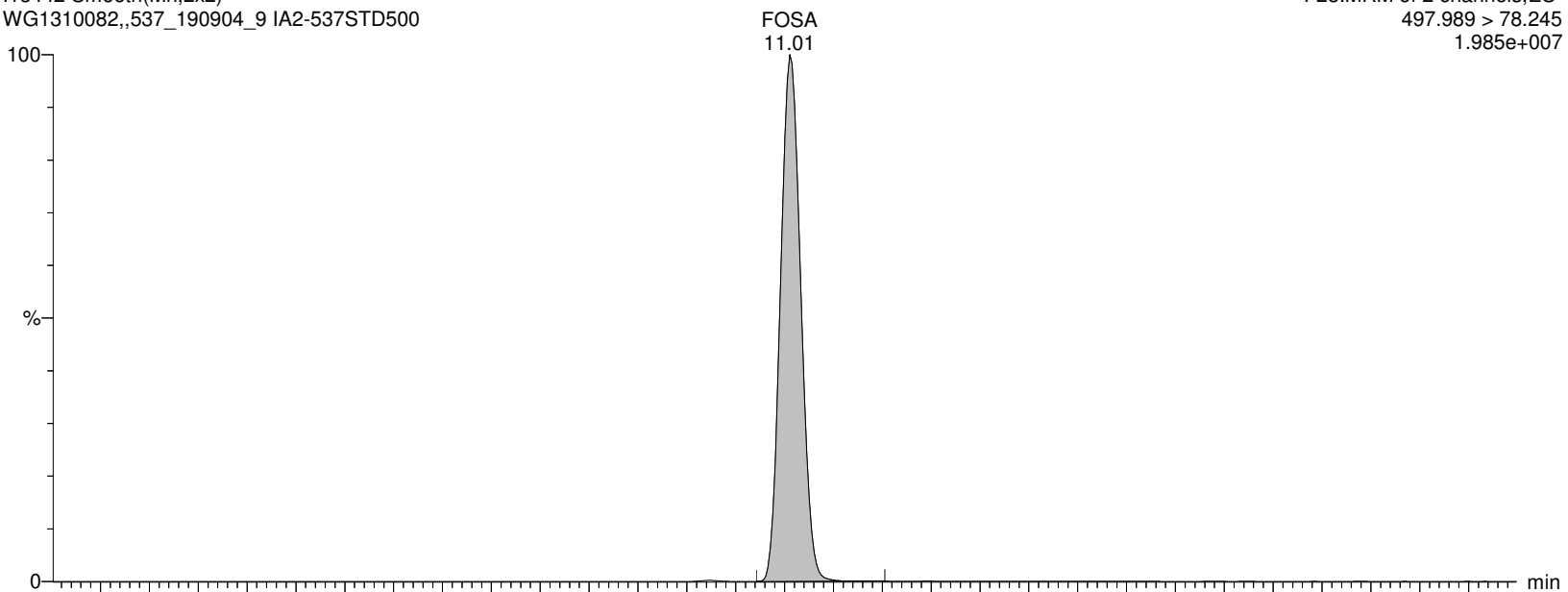
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F28:MRM of 2 channels,ES-

497.989 > 78.245

1.985e+007



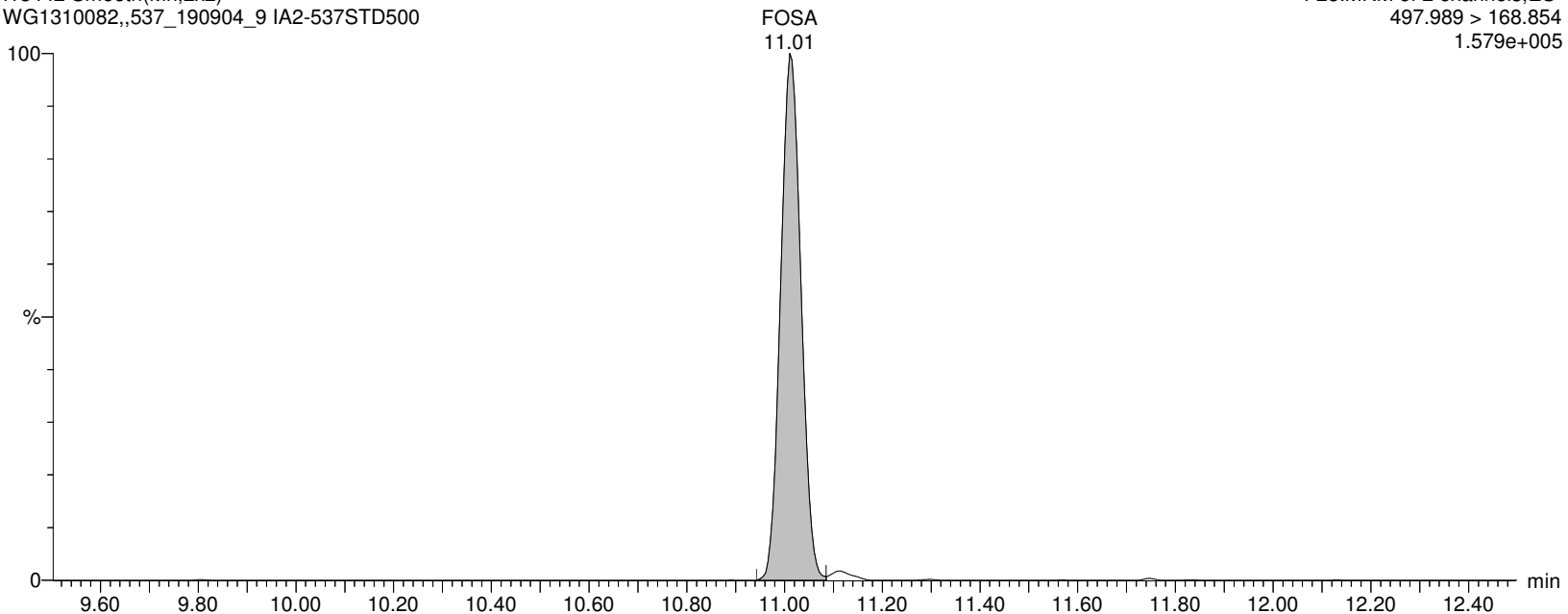
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F28:MRM of 2 channels,ES-

497.989 > 168.854

1.579e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

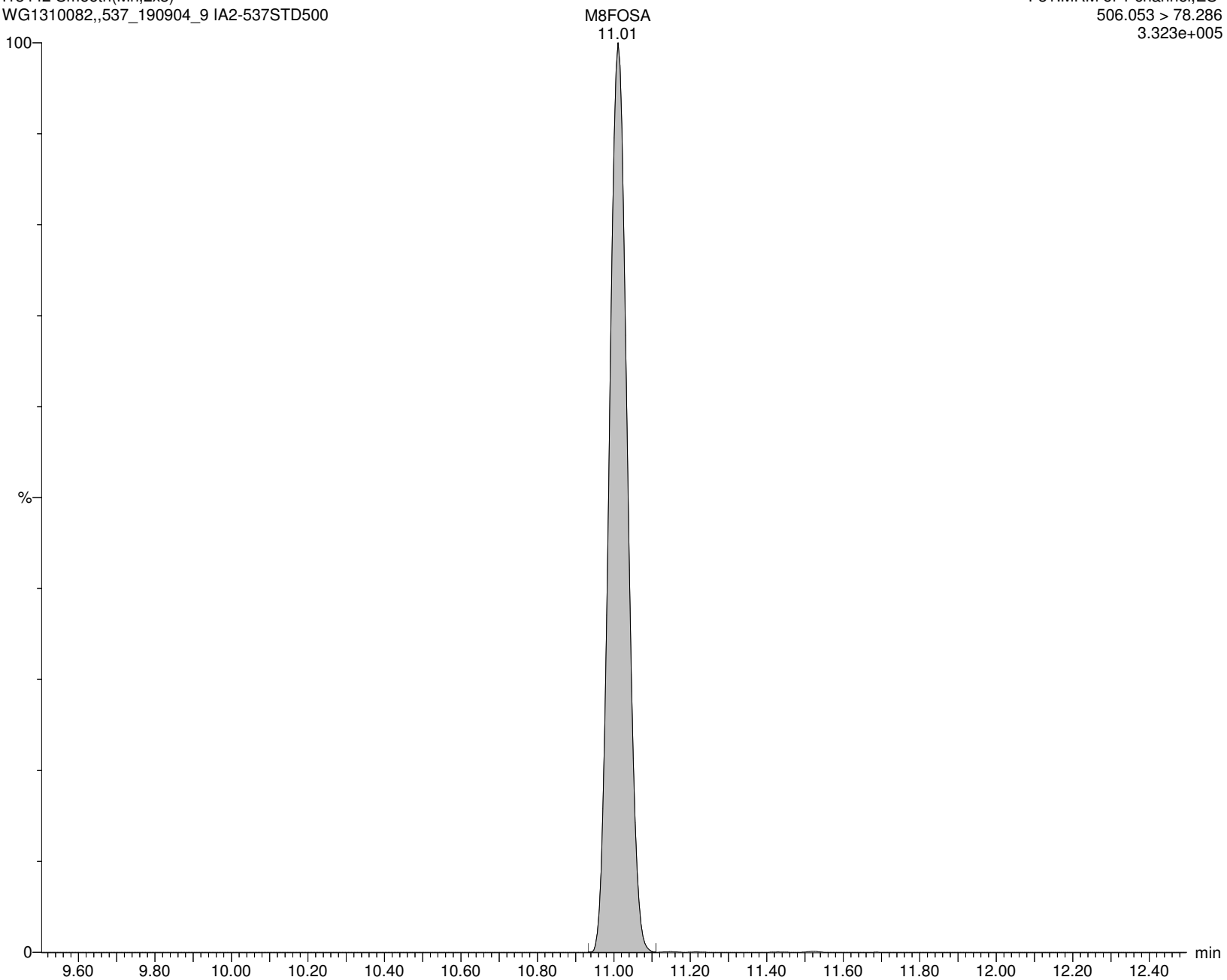
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F31:MRM of 1 channel,ES-

506.053 > 78.286

3.323e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

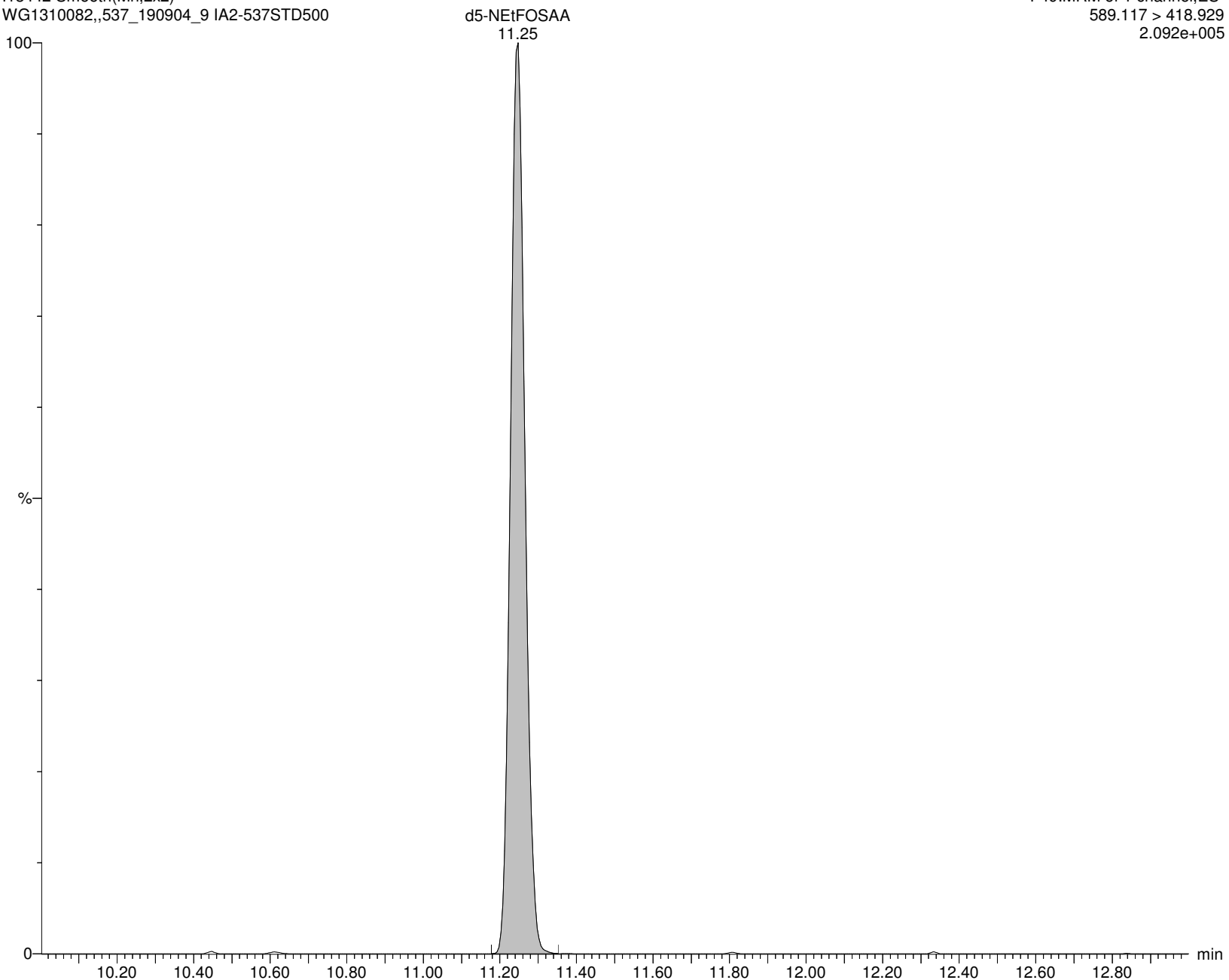
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.092e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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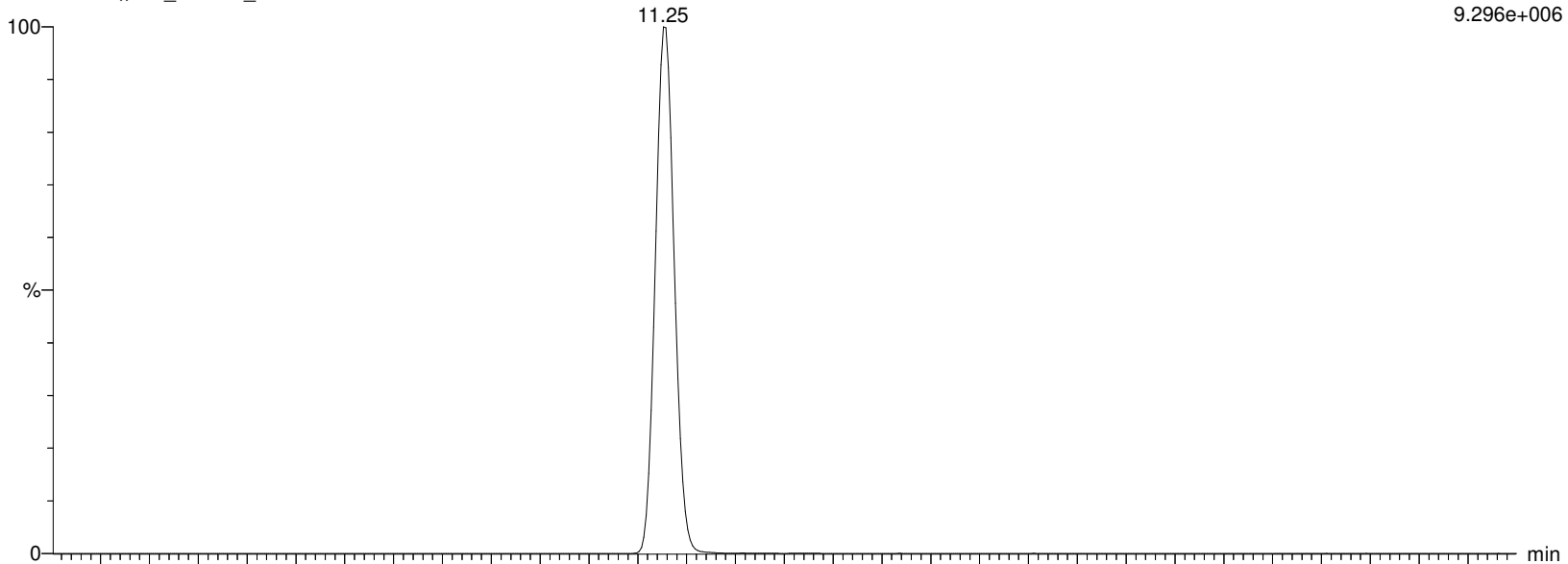
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 418.927

9.296e+006



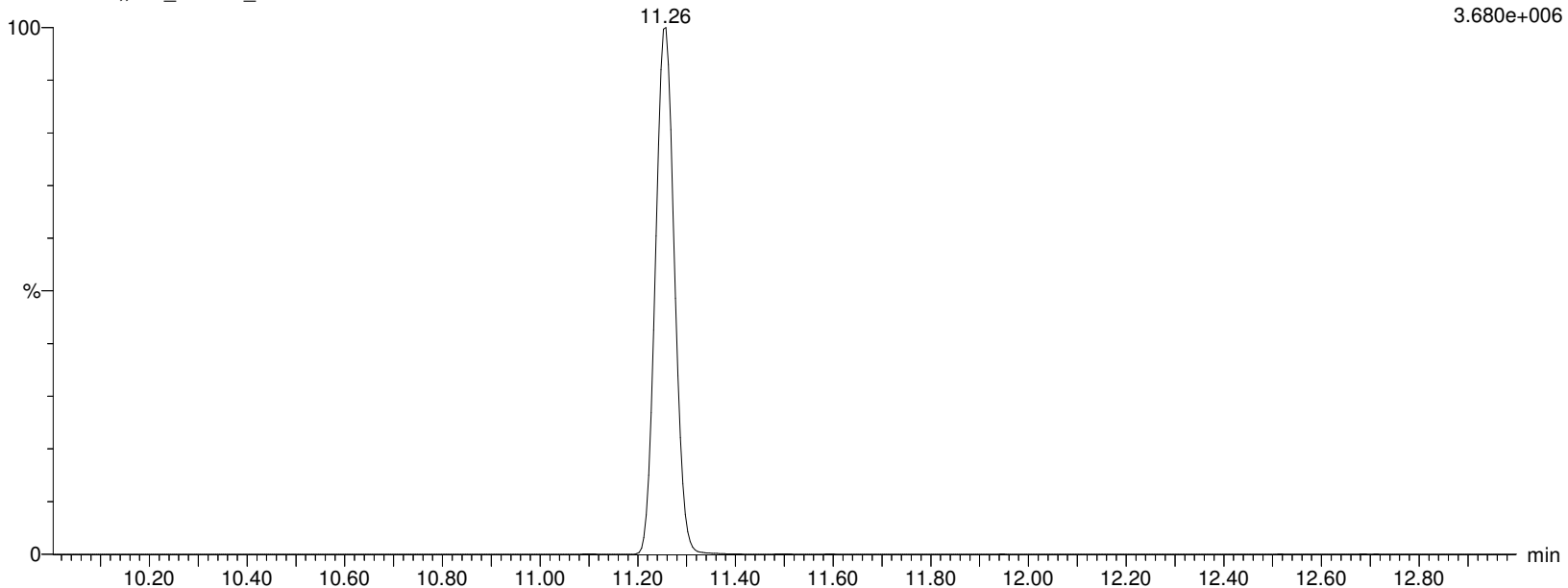
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 482.88

3.680e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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L-NEtFOSAA

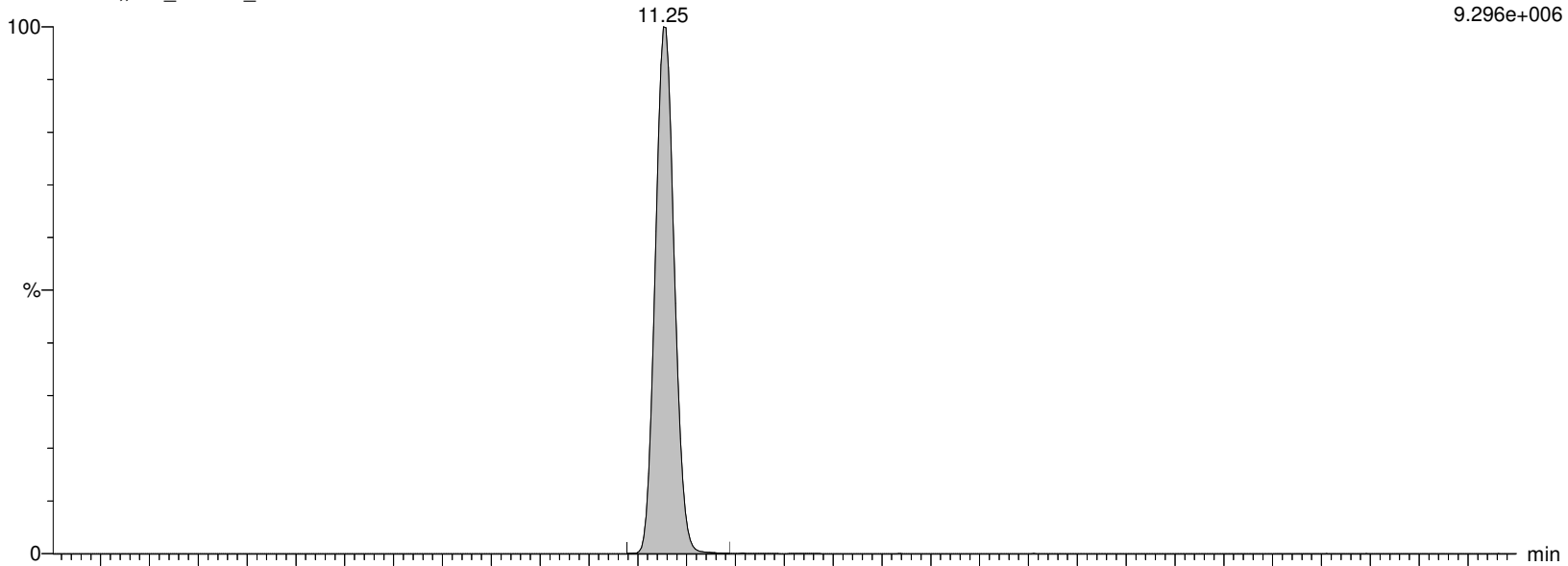
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 418.927

9.296e+006



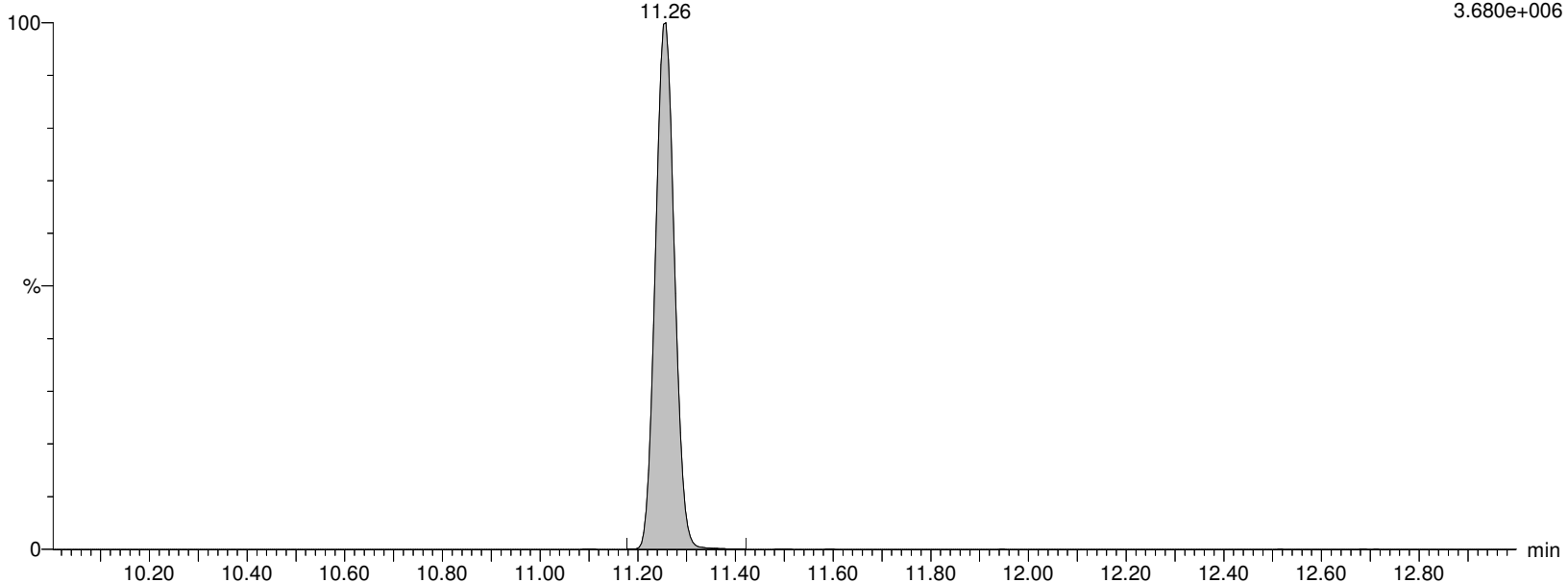
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 482.88

3.680e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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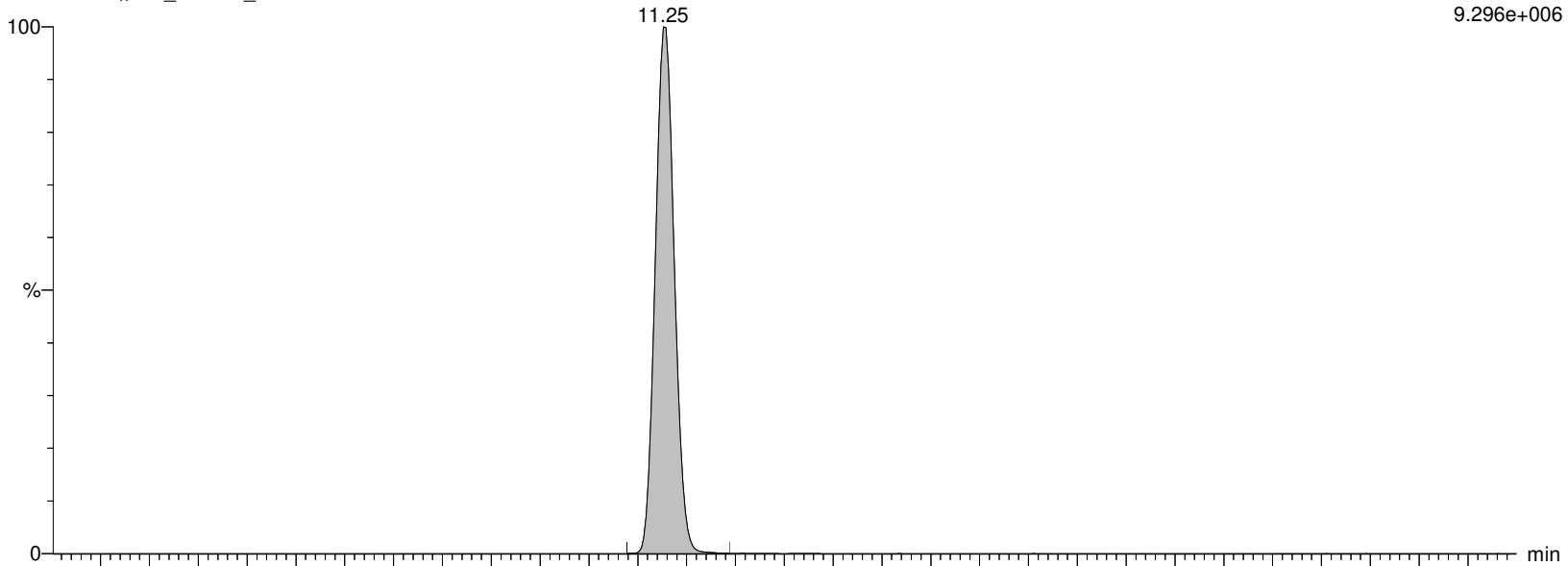
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 418.927

9.296e+006



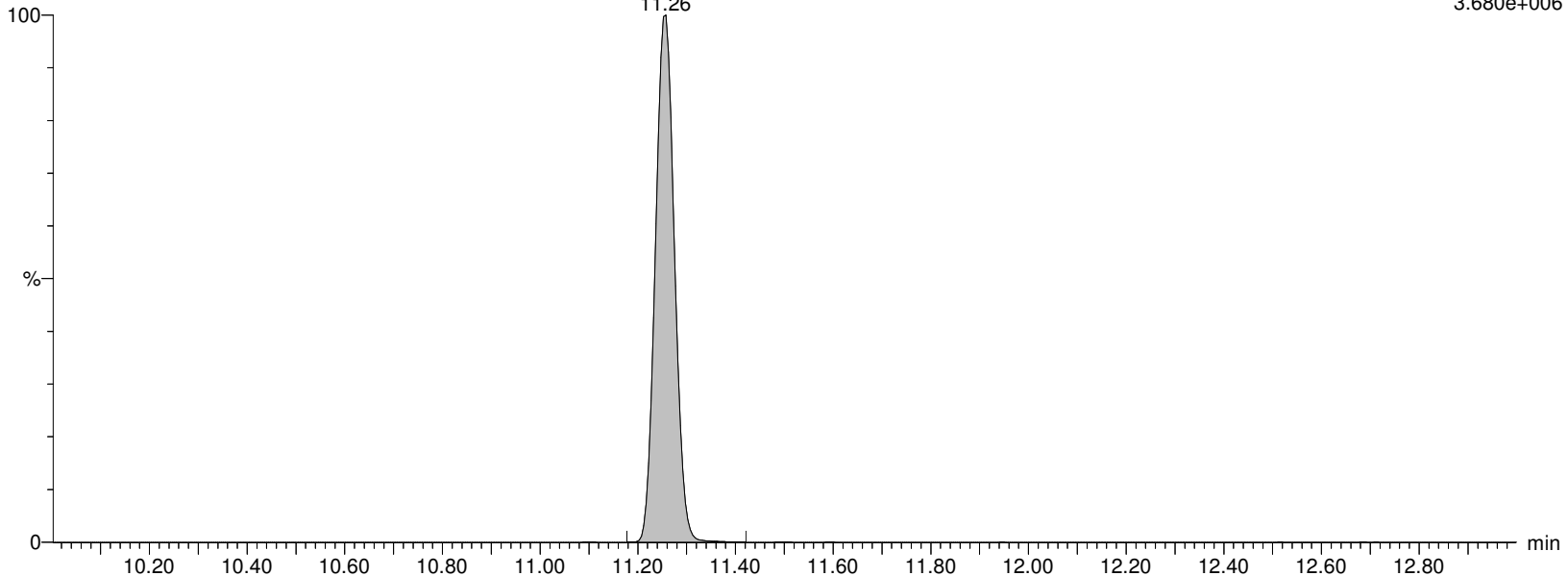
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F48:MRM of 2 channels,ES-

583.989 > 482.88

3.680e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

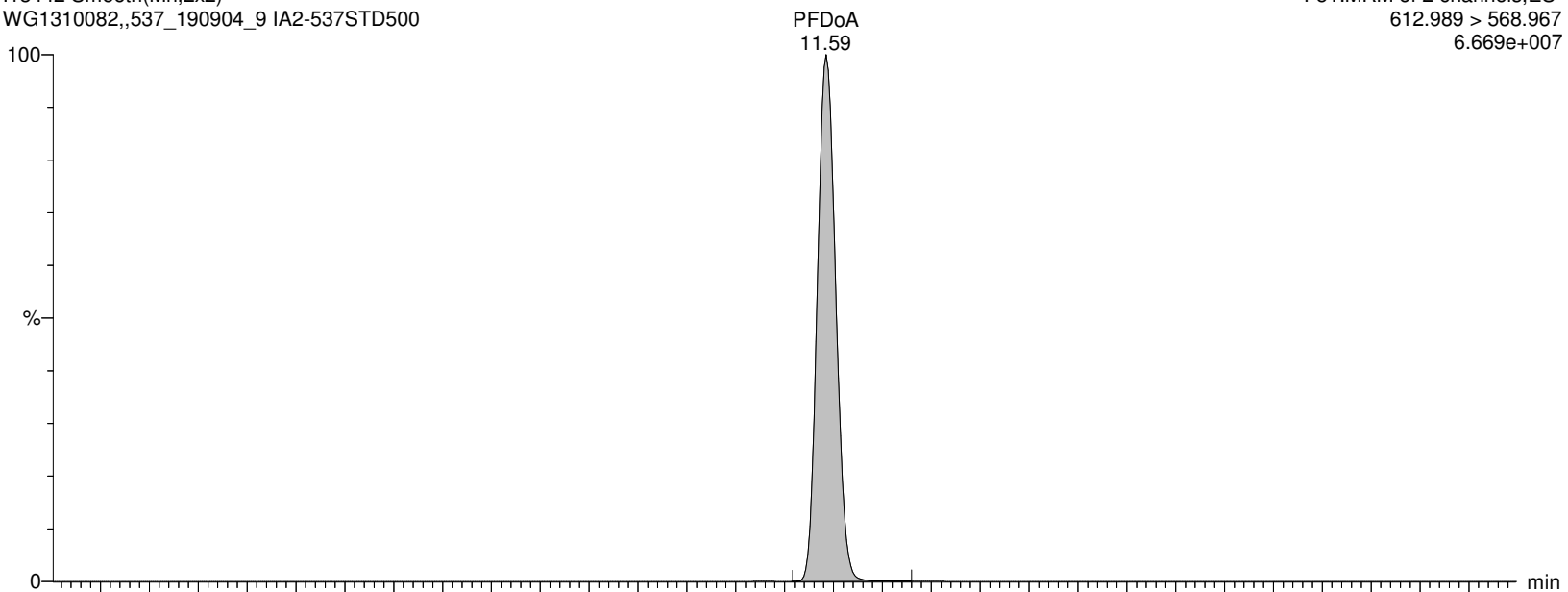
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F51:MRM of 2 channels,ES-

612.989 > 568.967

6.669e+007



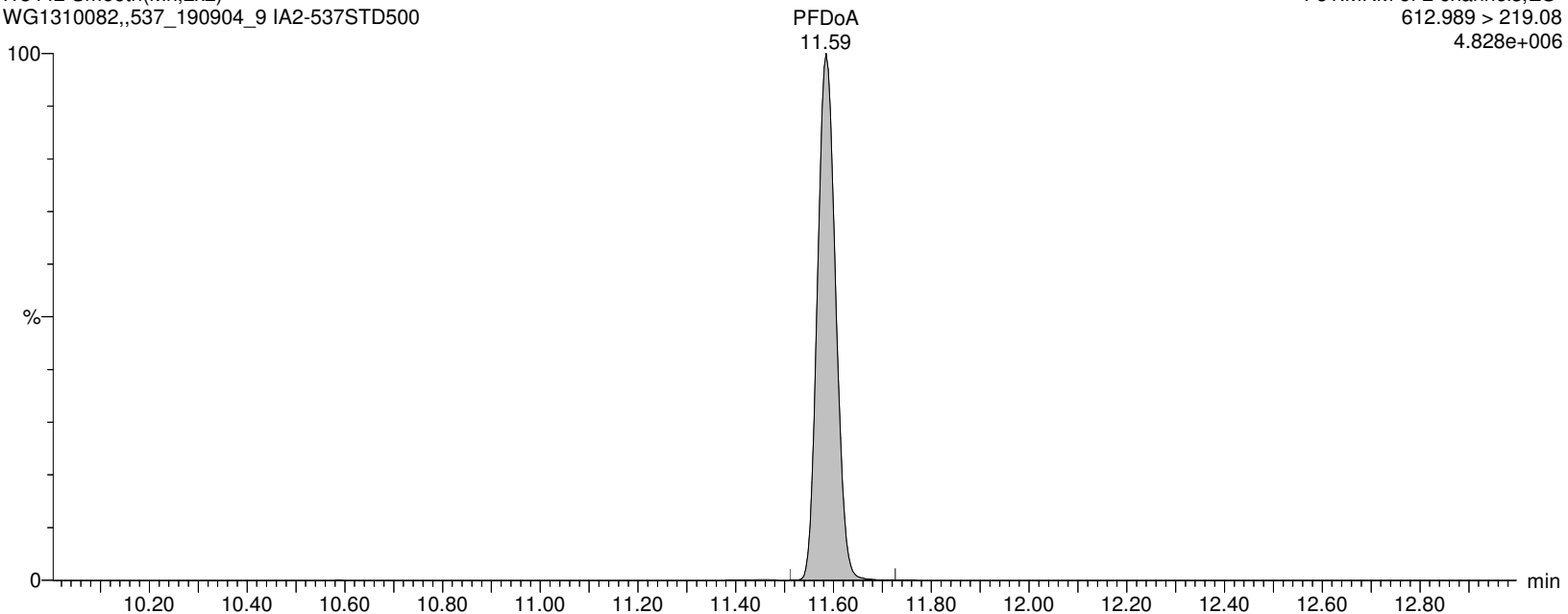
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500

F51:MRM of 2 channels,ES-

612.989 > 219.08

4.828e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

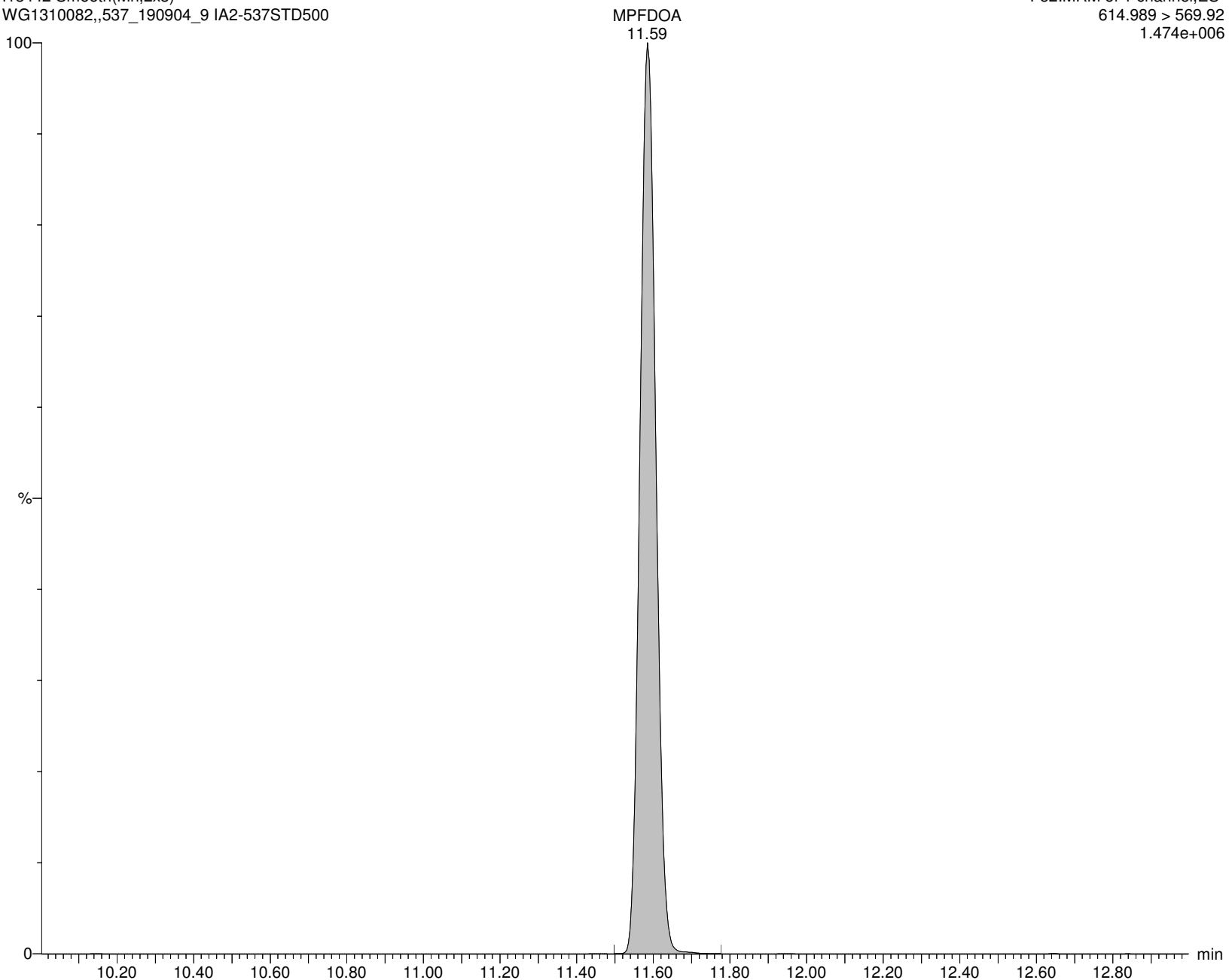
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F52:MRM of 1 channel,ES-

614.989 > 569.92

1.474e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

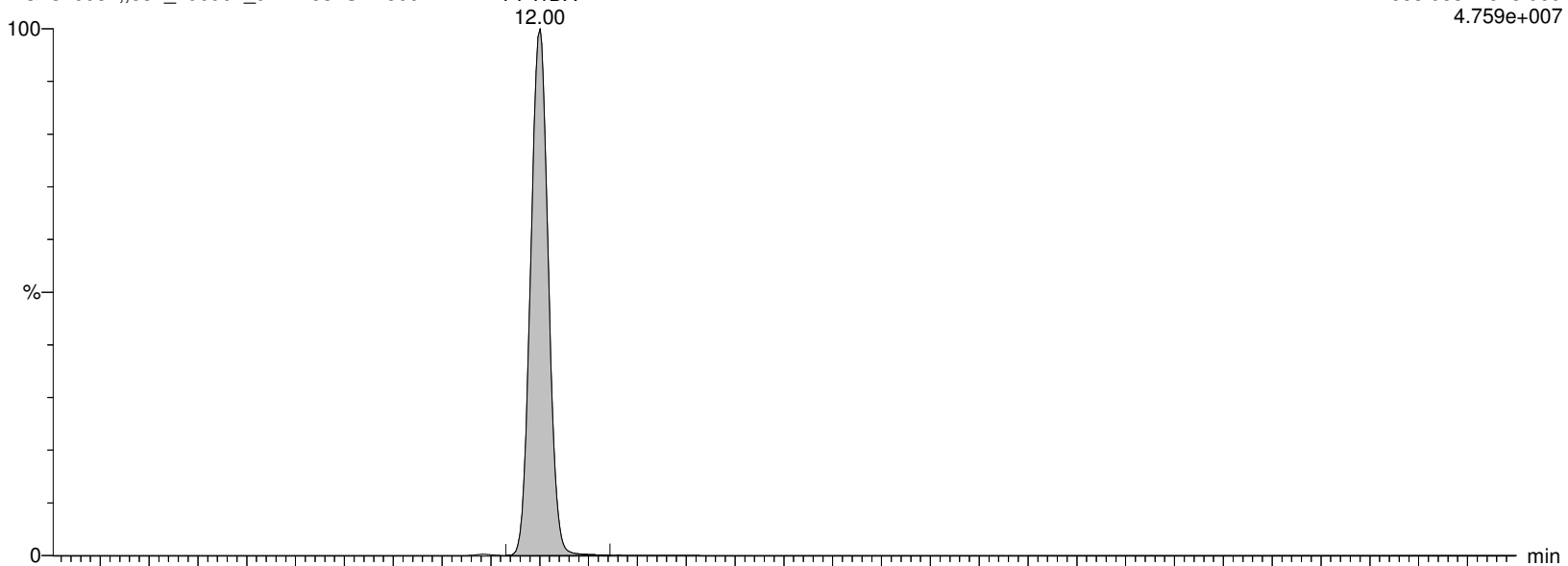
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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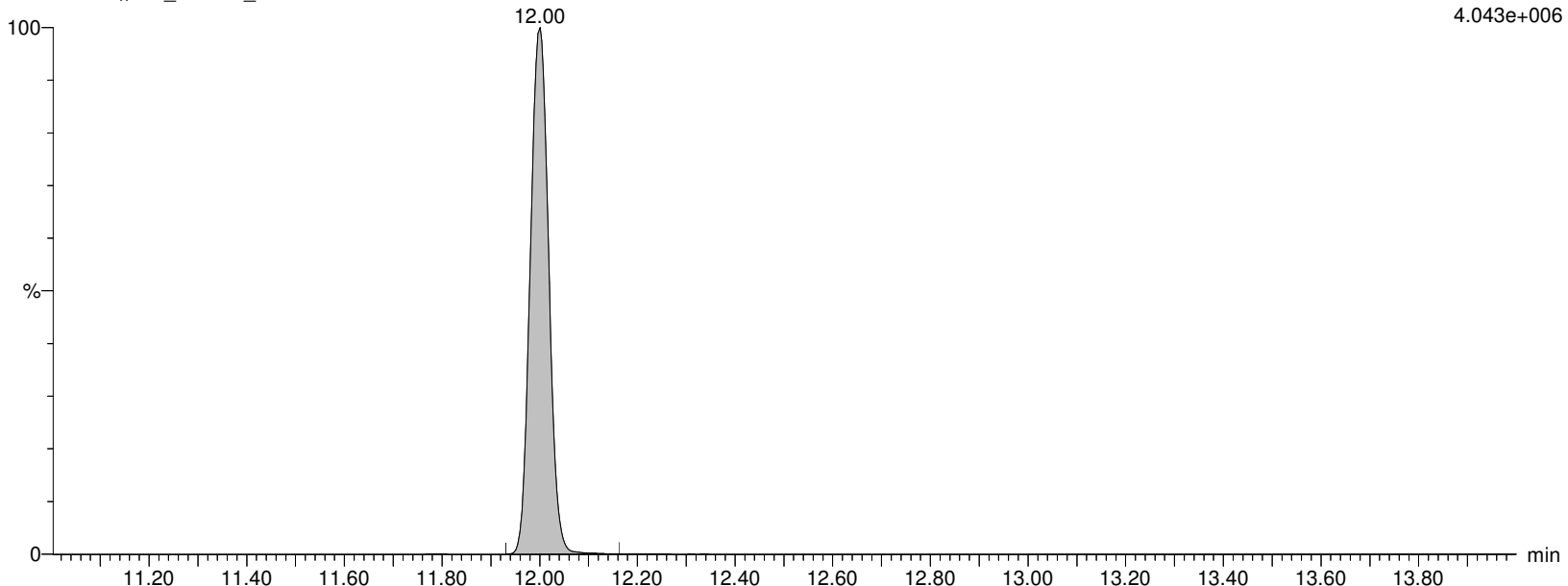
I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500



I13442 Smooth(Mn,2x2)

WG1310082,,537_190904_9 IA2-537STD500



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

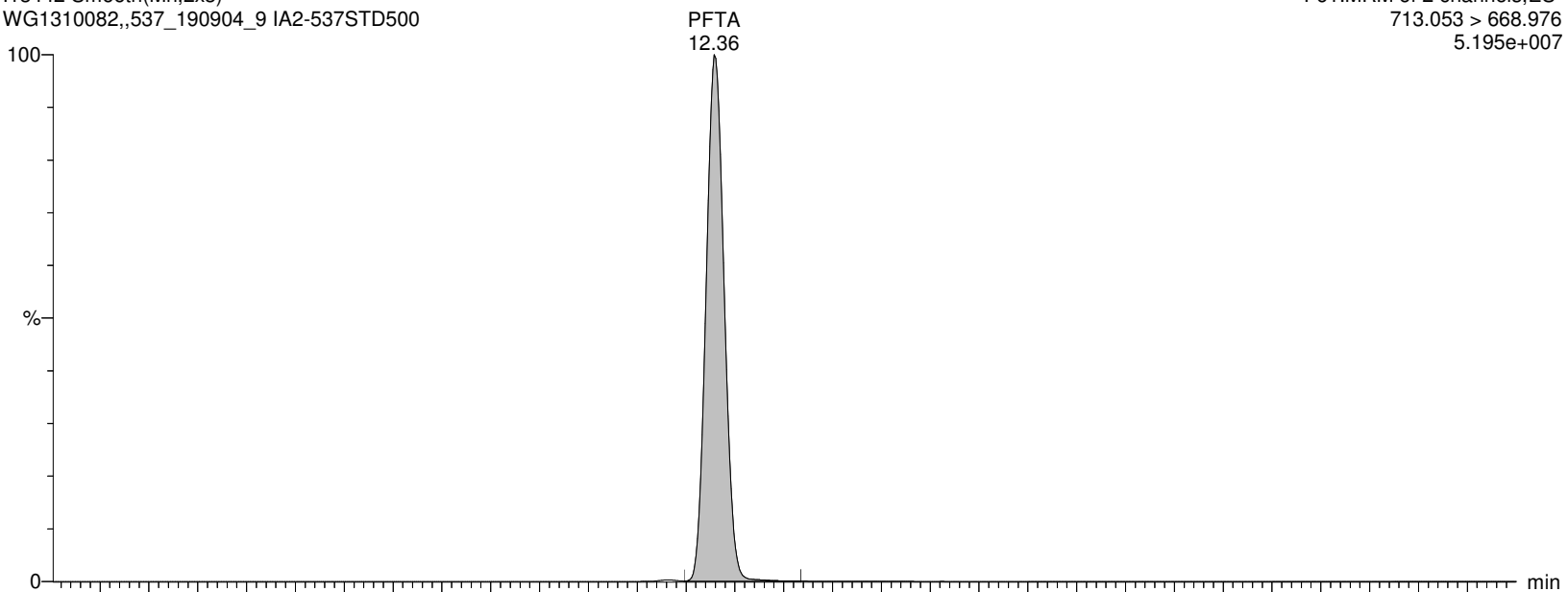
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F61:MRM of 2 channels,ES-

713.053 > 668.976

5.195e+007



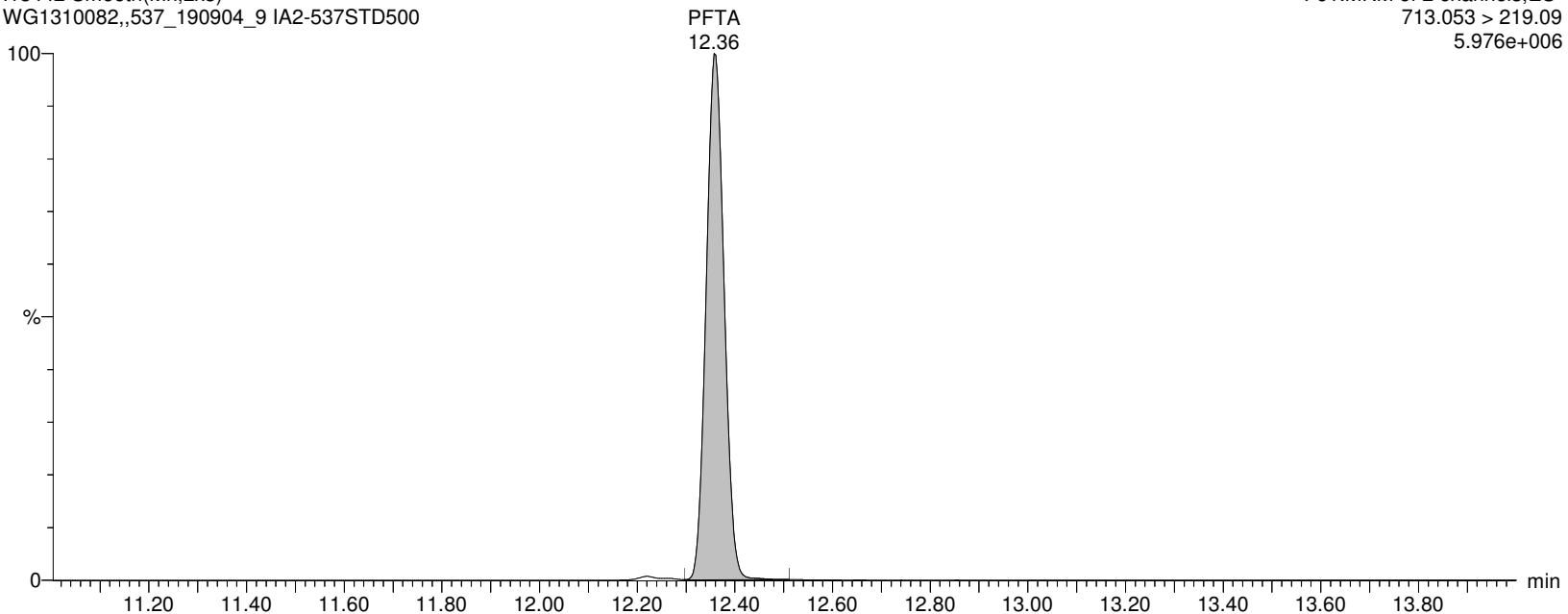
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F61:MRM of 2 channels,ES-

713.053 > 219.09

5.976e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

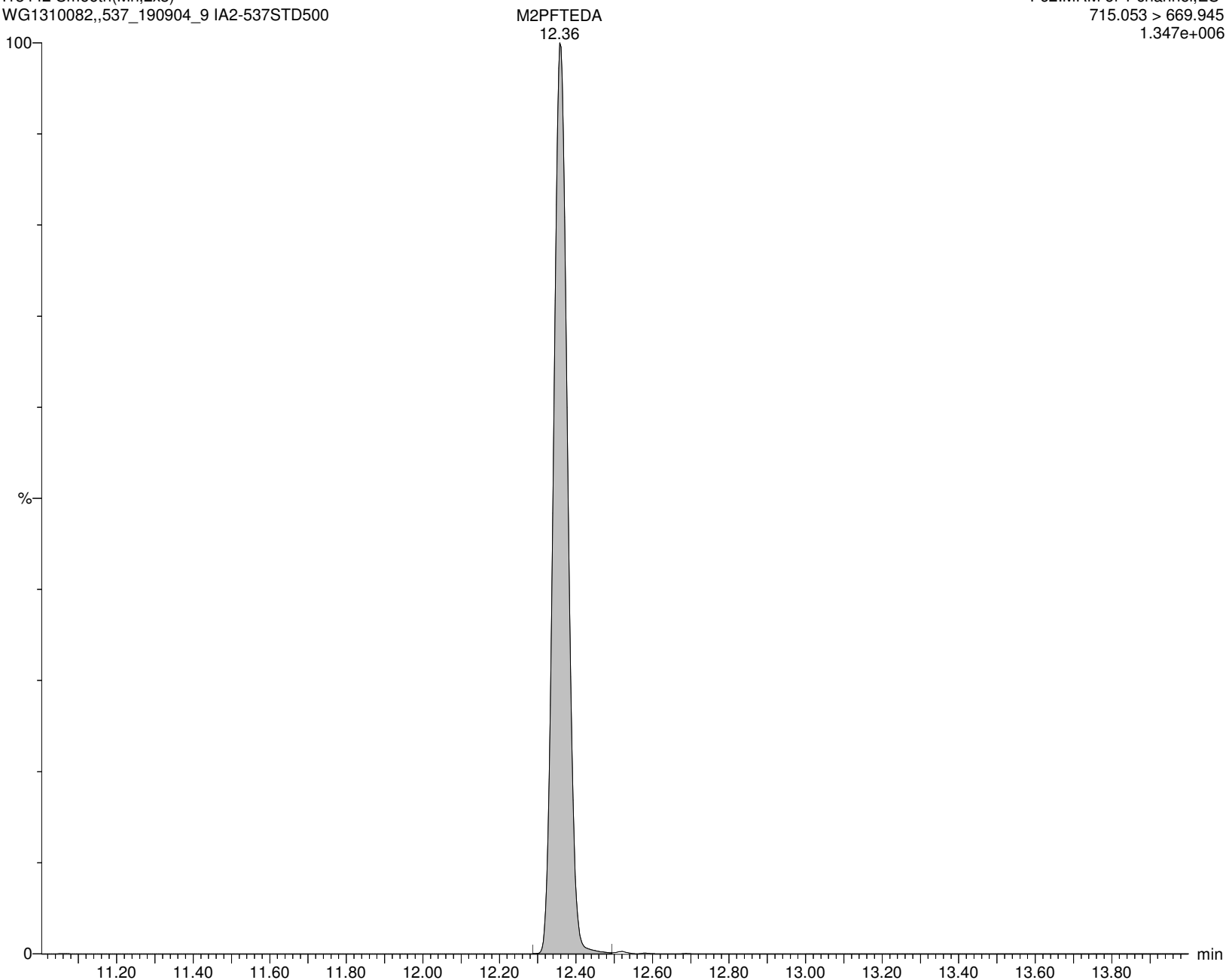
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.347e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

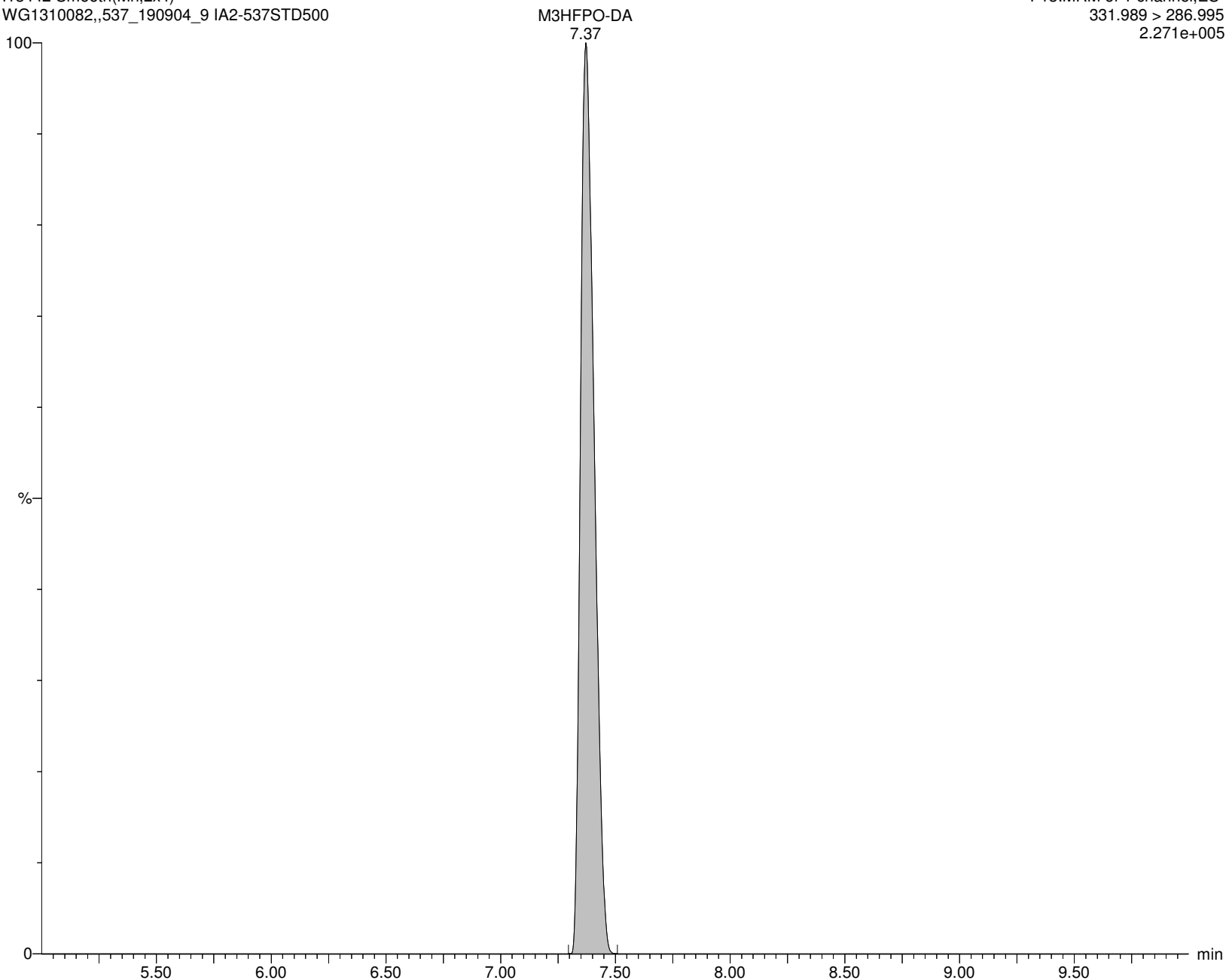
I13442 Smooth(Mn,2x4)

WG1310082,,537_190904_9 IA2-537STD500

F13:MRM of 1 channel,ES-

331.989 > 286.995

2.271e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

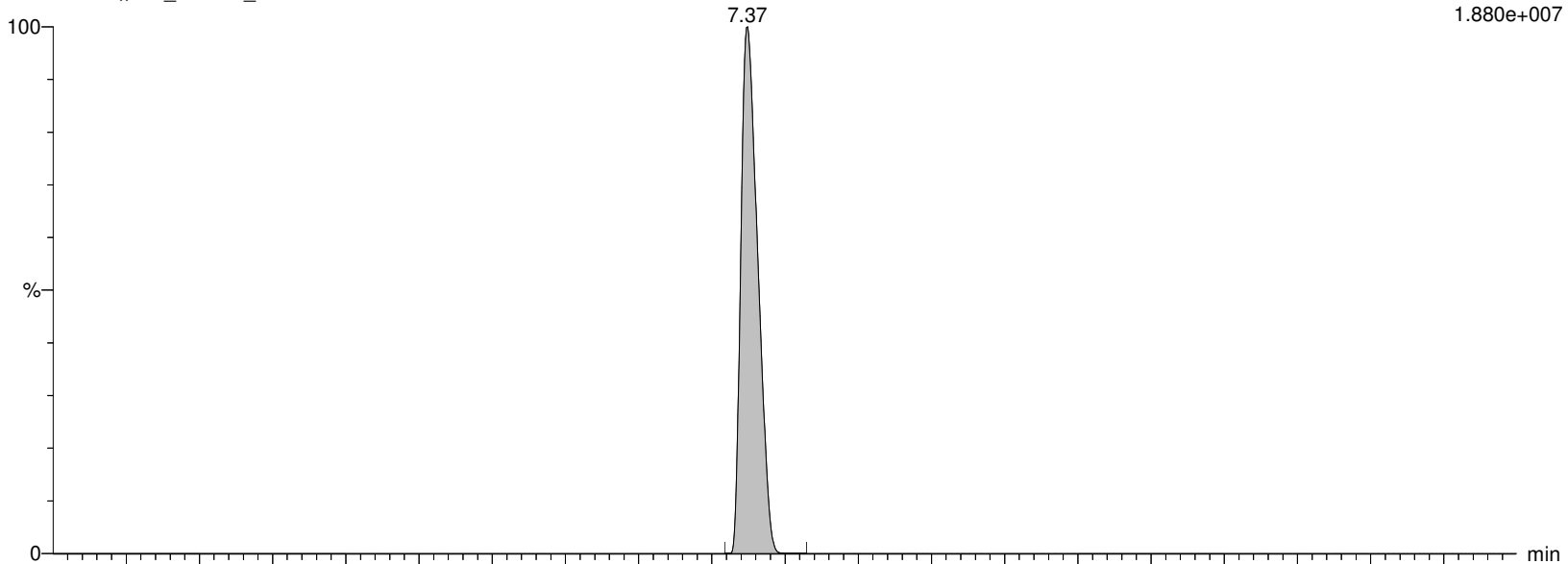
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F6:MRM of 2 channels,ES-

284.819 > 169.094

1.880e+007



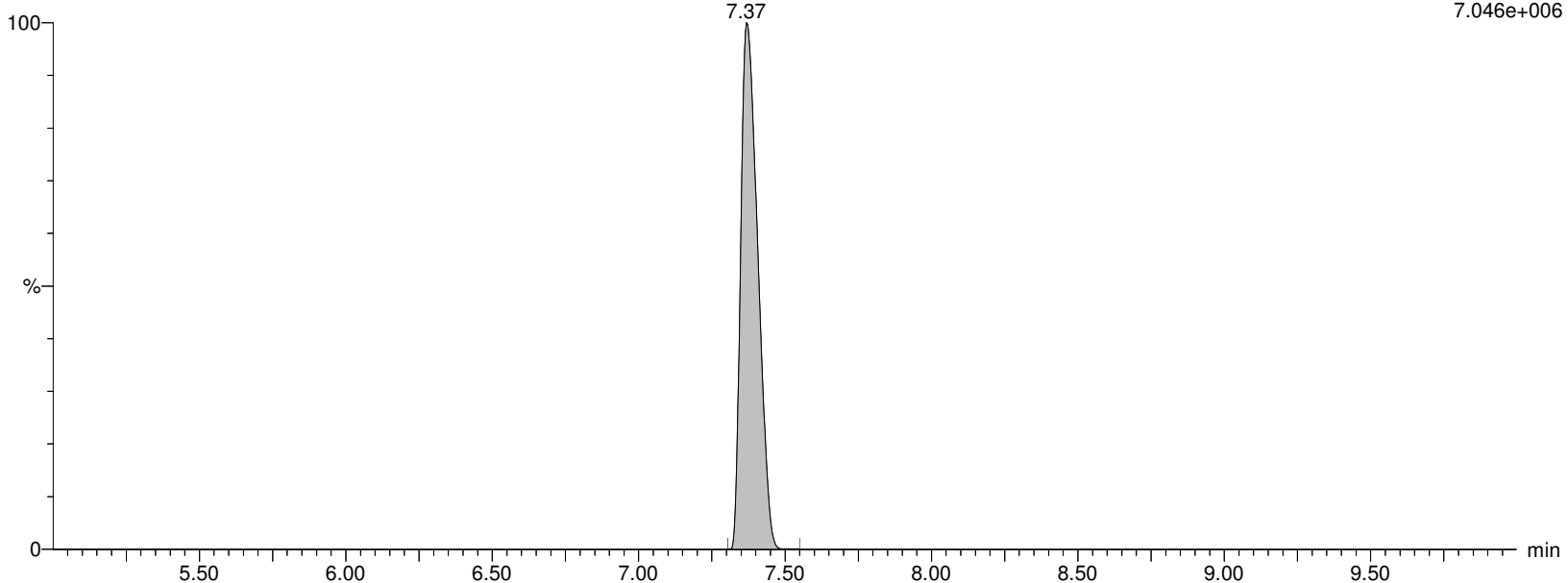
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F6:MRM of 2 channels,ES-

328.989 > 284.982

7.046e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

ADONA

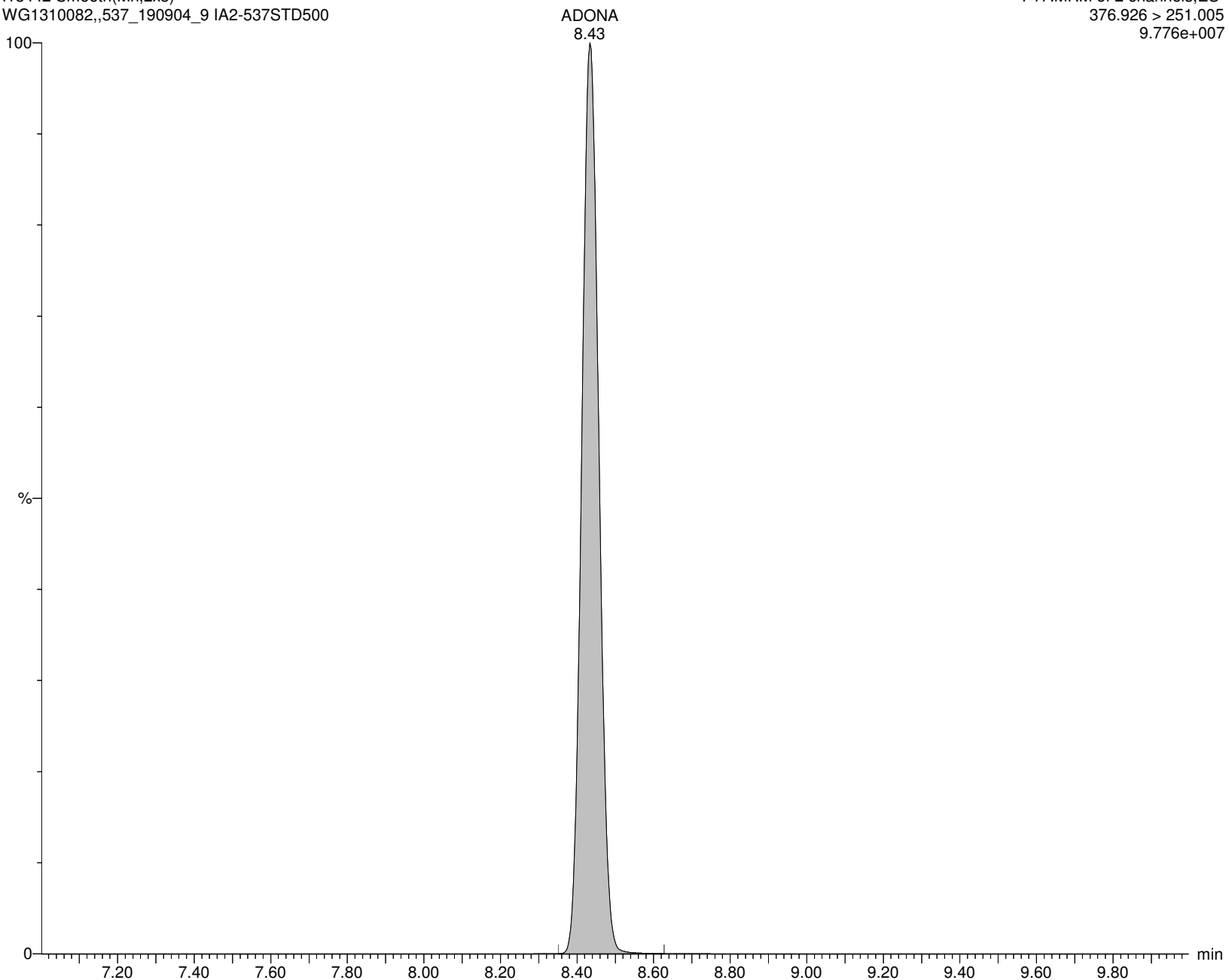
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F17:MRM of 2 channels,ES-

376.926 > 251.005

9.776e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442**ID: IA2-537STD500****Date: 18-Nov-2019****Time: 12:49:53****Description: WG1310082,,537_190904_9****User: LCMS02:JW****Vial: 1:B,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

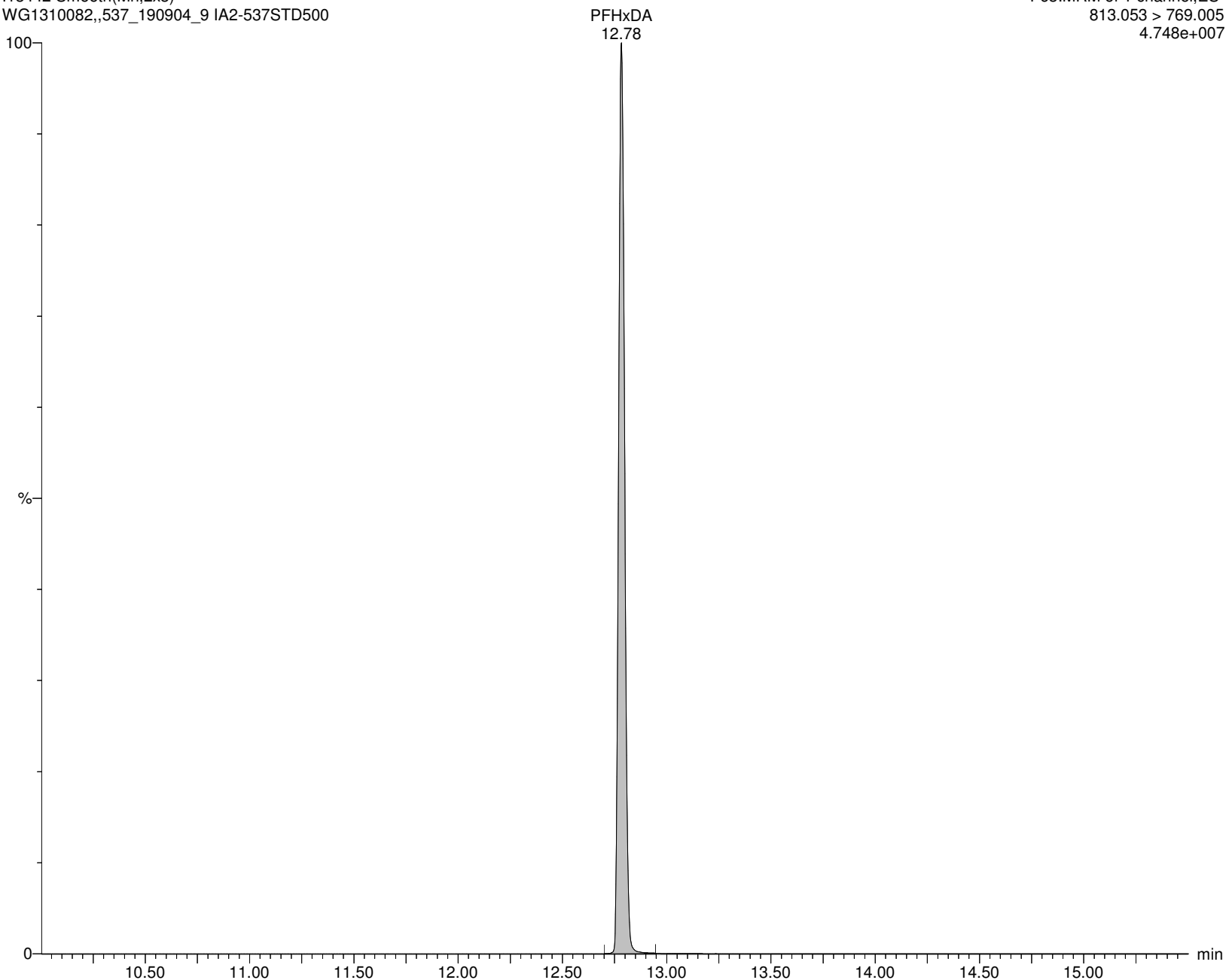
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F63:MRM of 1 channel,ES-

813.053 > 769.005

4.748e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

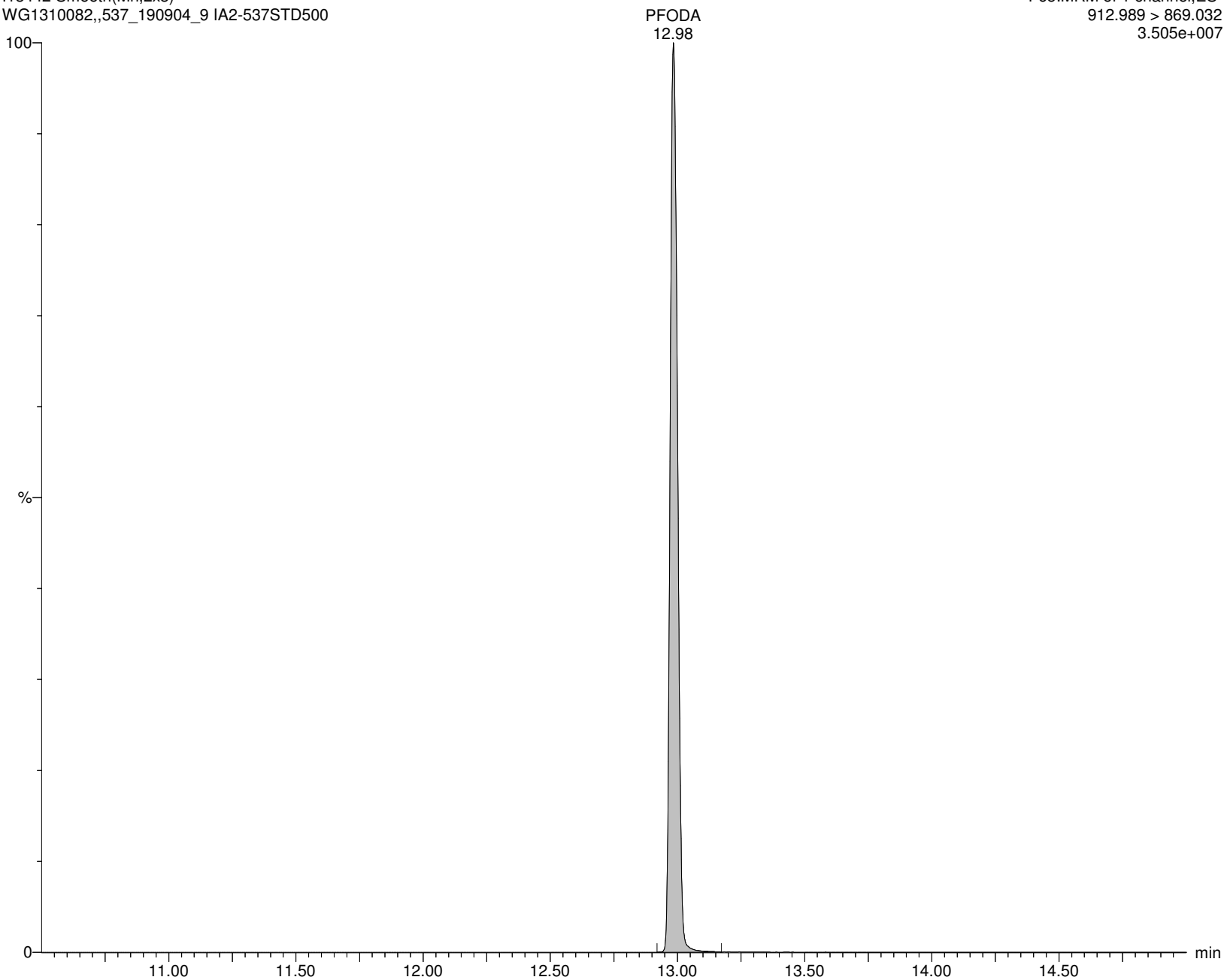
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F65:MRM of 1 channel,ES-

912.989 > 869.032

3.505e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

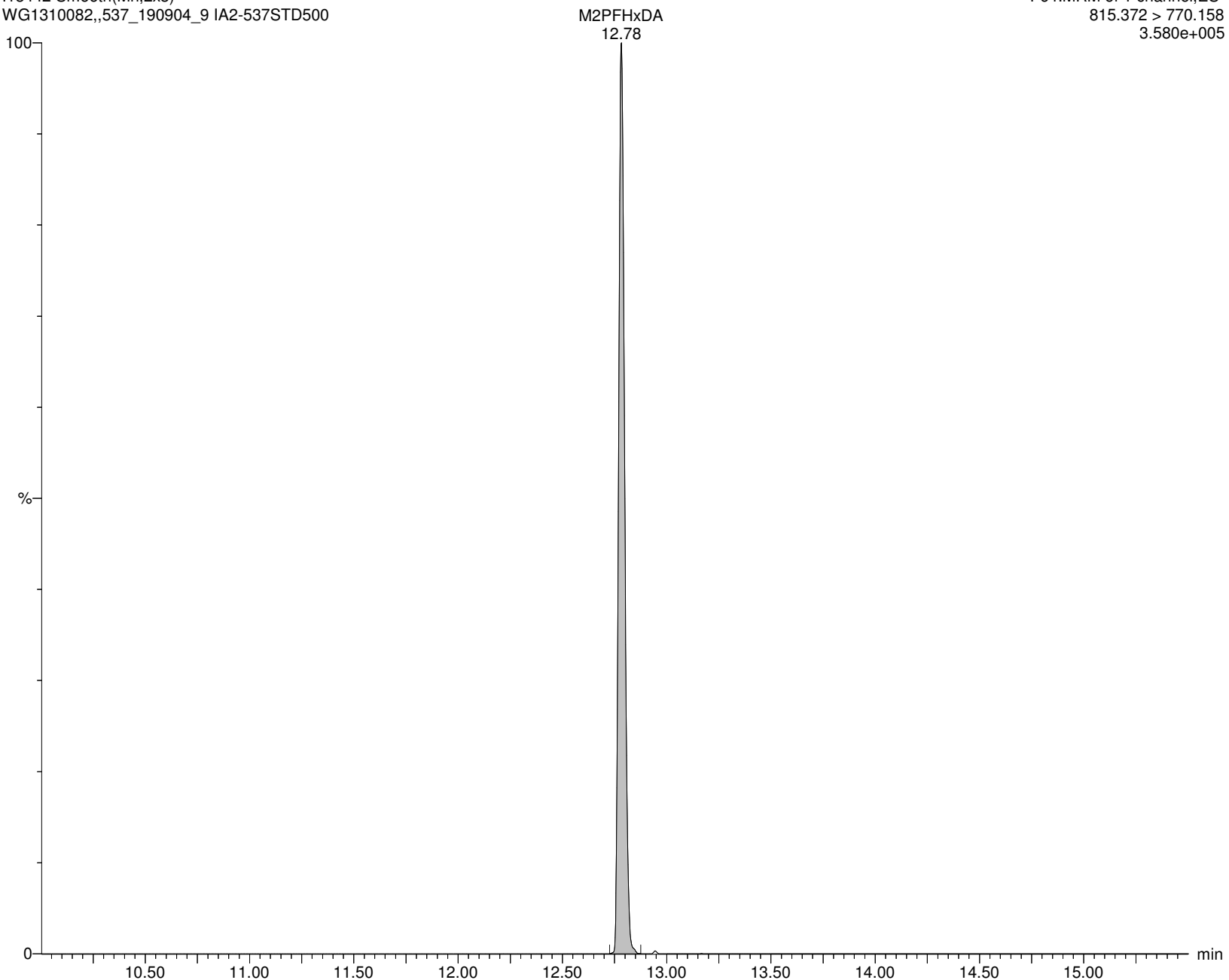
I13442 Smooth(Mn,2x3)

WG1310082,,537_190904_9 IA2-537STD500

F64:MRM of 1 channel,ES-

815.372 > 770.158

3.580e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

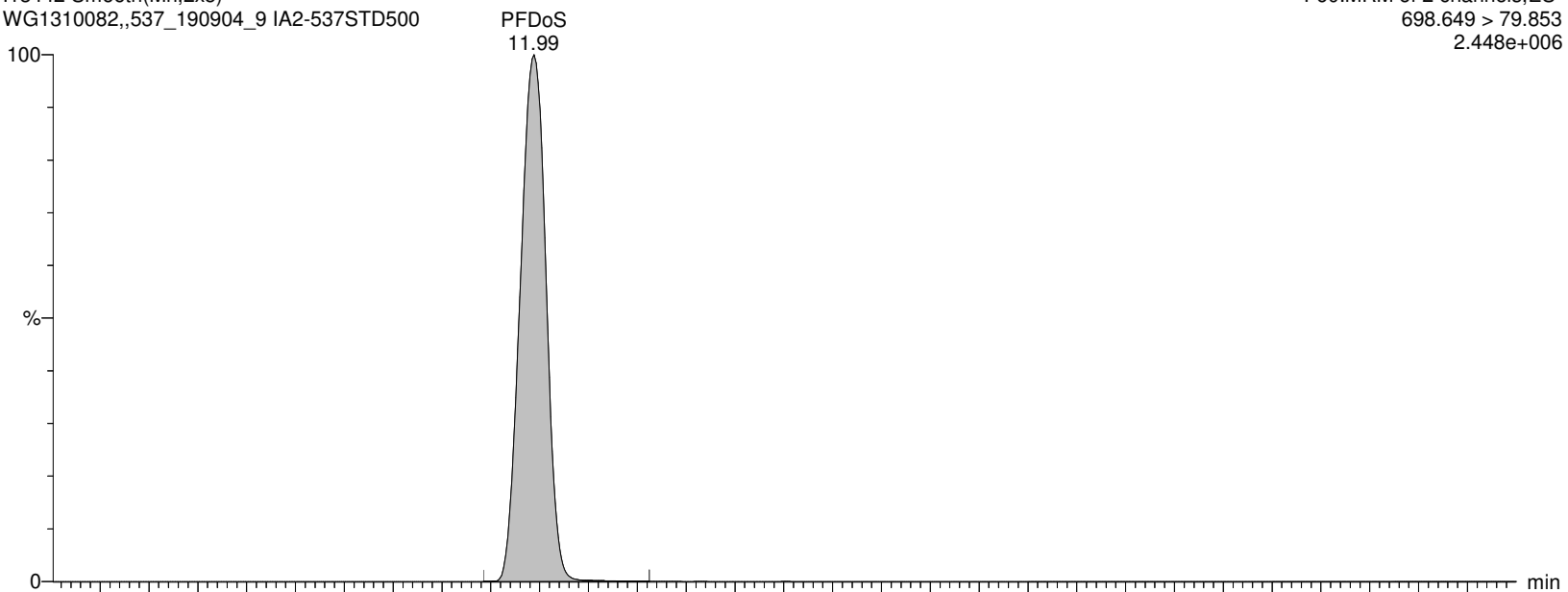
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MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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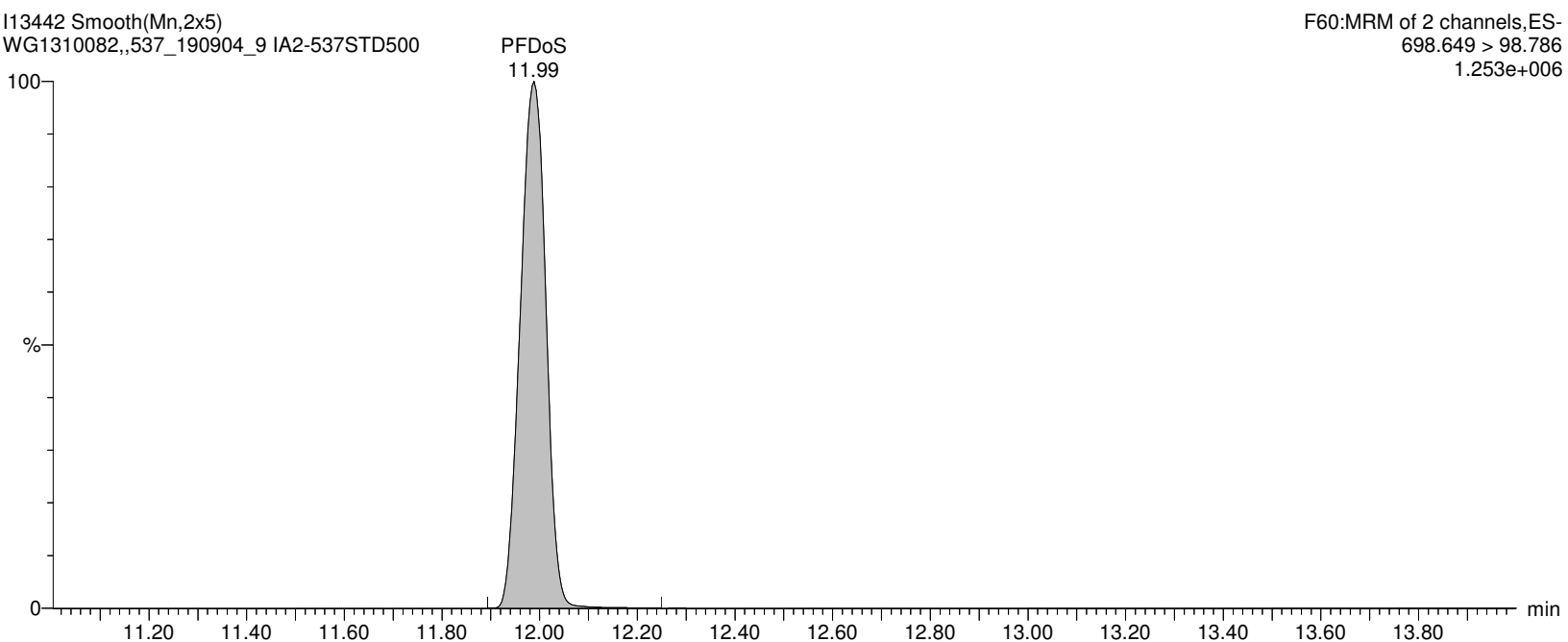
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500



I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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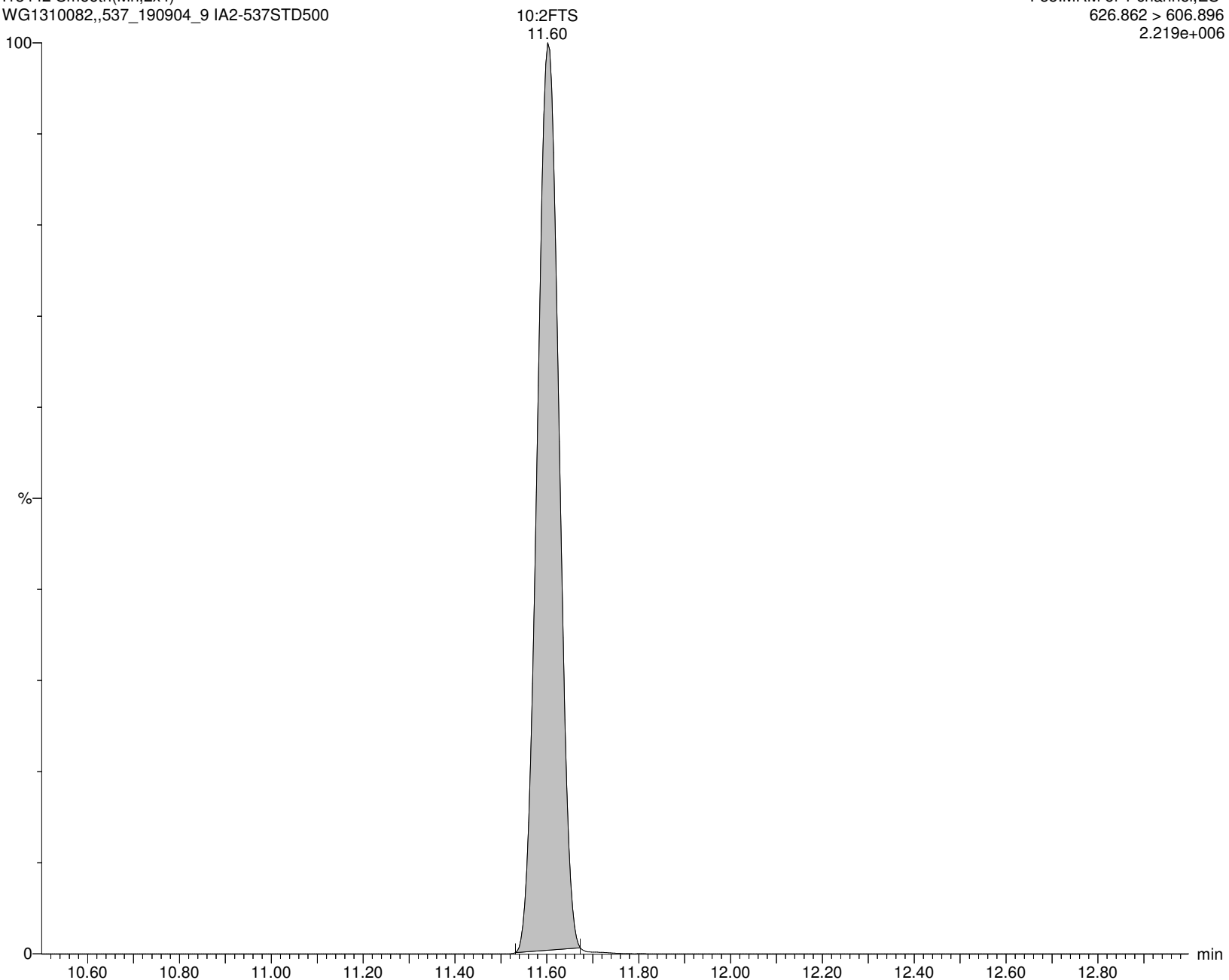
I13442 Smooth(Mn,2x4)

WG1310082,,537_190904_9 IA2-537STD500

F55:MRM of 1 channel,ES-

626.862 > 606.896

2.219e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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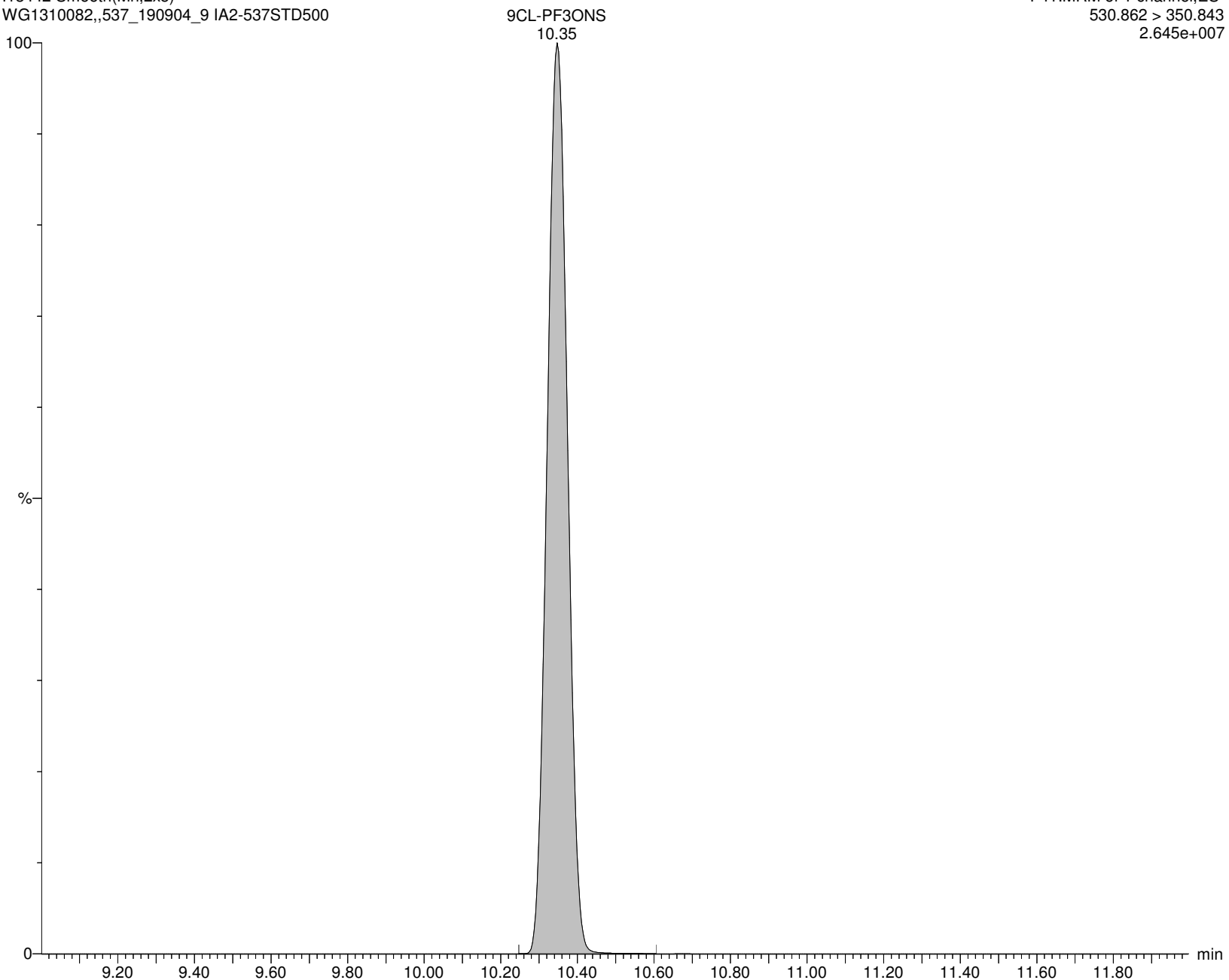
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F41:MRM of 1 channel,ES-

530.862 > 350.843

2.645e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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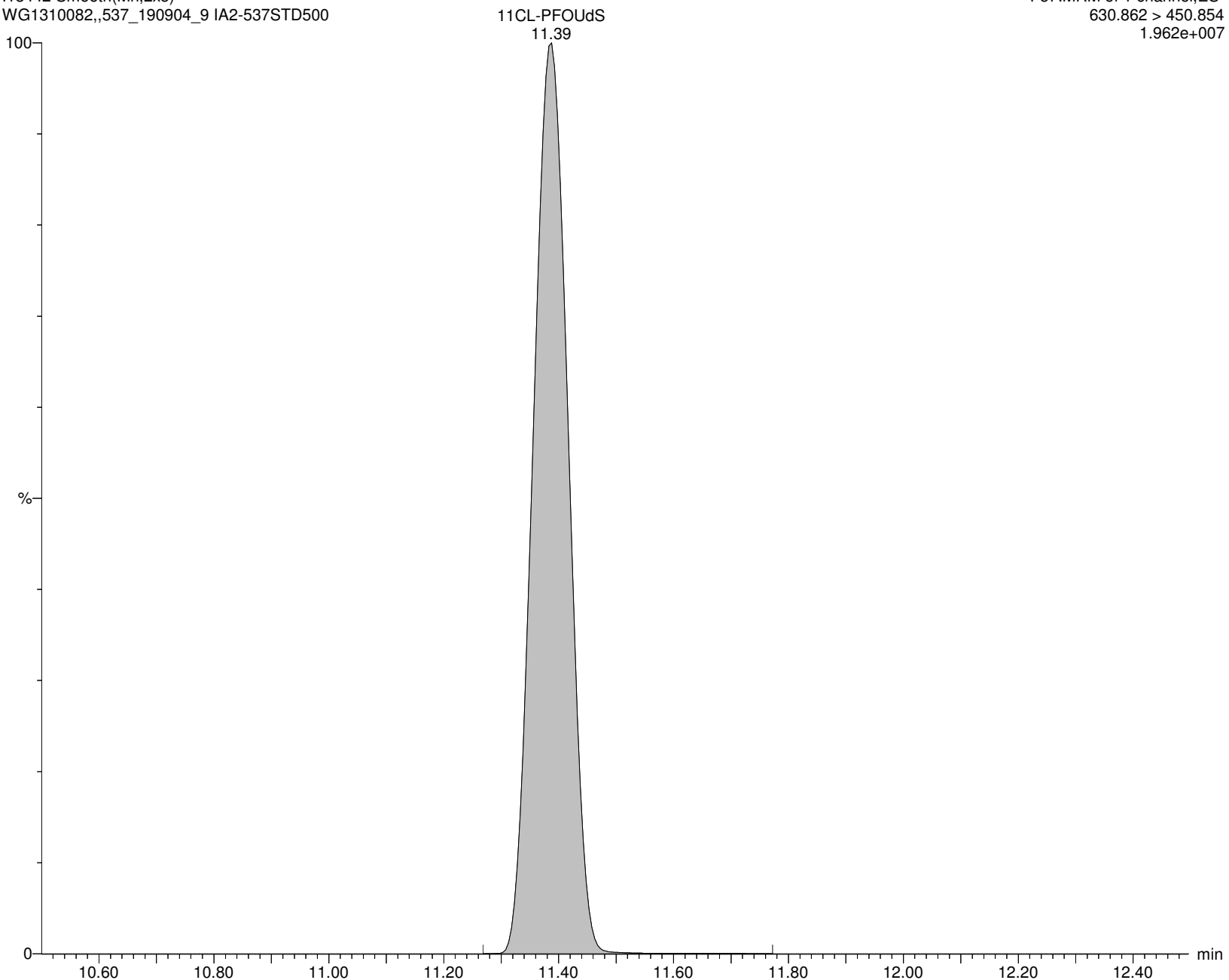
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F57:MRM of 1 channel,ES-

630.862 > 450.854

1.962e+007



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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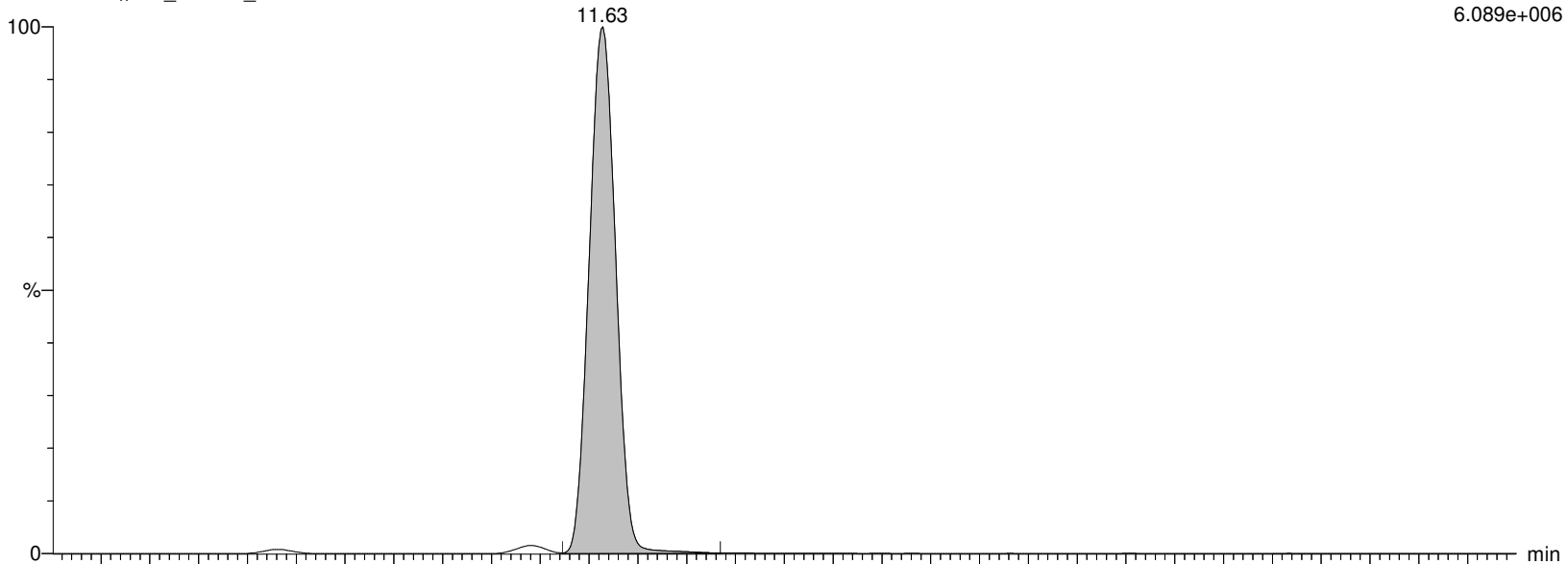
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F33:MRM of 2 channels,ES-

511.804 > 168.906

6.089e+006



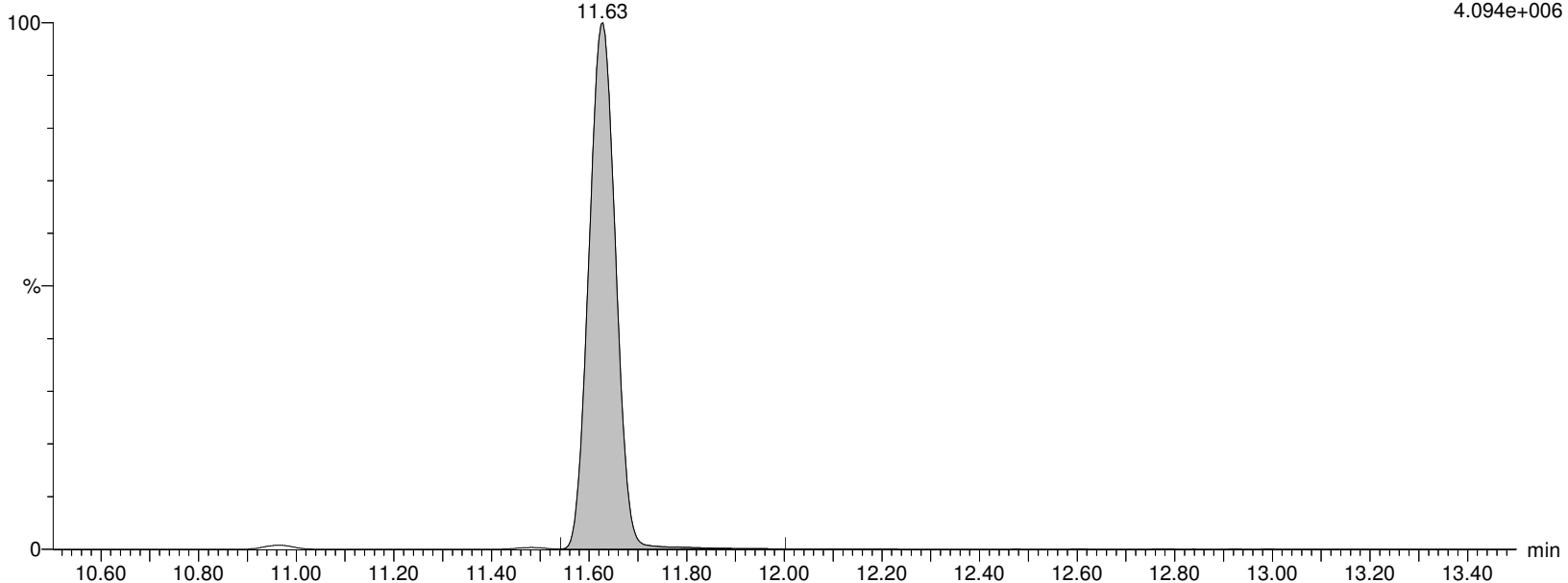
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F33:MRM of 2 channels,ES-

511.804 > 218.918

4.094e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSA

I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

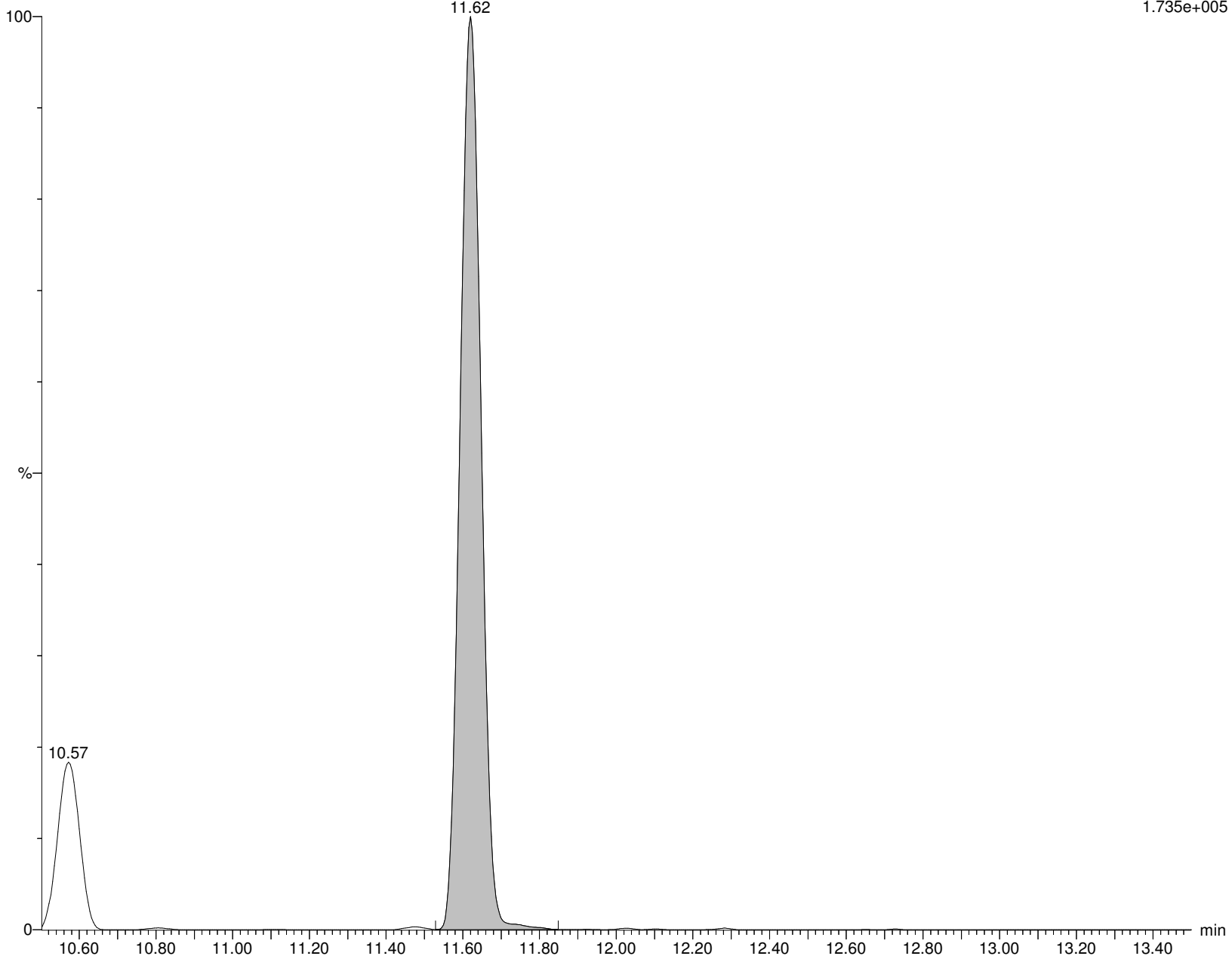
d3-NMeFOSA

11.62

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.735e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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NEtFOSA

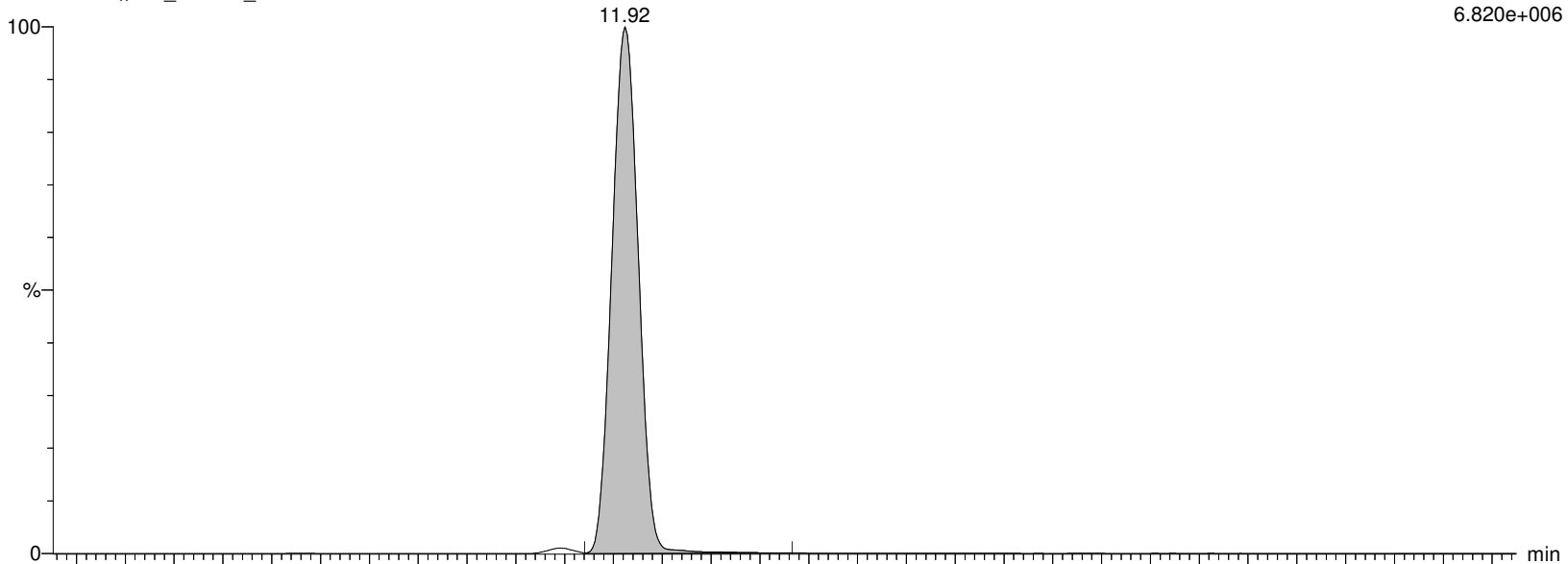
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F38:MRM of 2 channels,ES-

525.84 > 168.92

6.820e+006



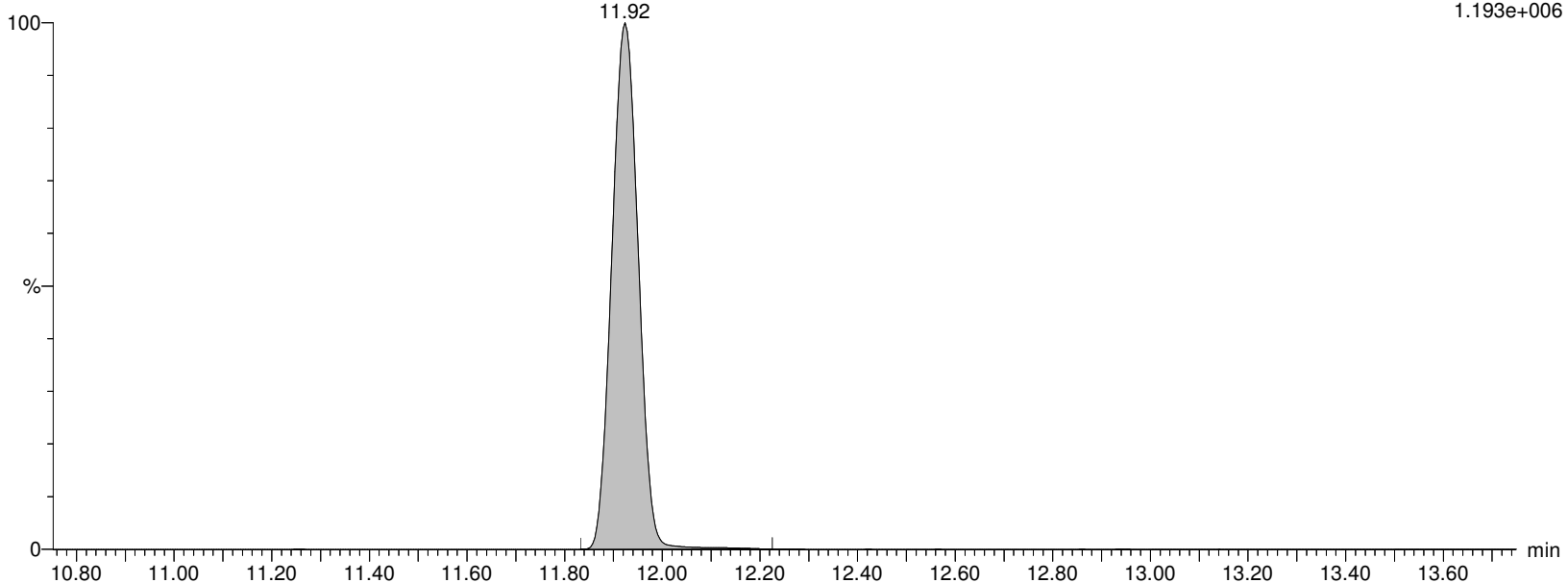
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F38:MRM of 2 channels,ES-

525.84 > 118.893

1.193e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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d5-NEtFOSA

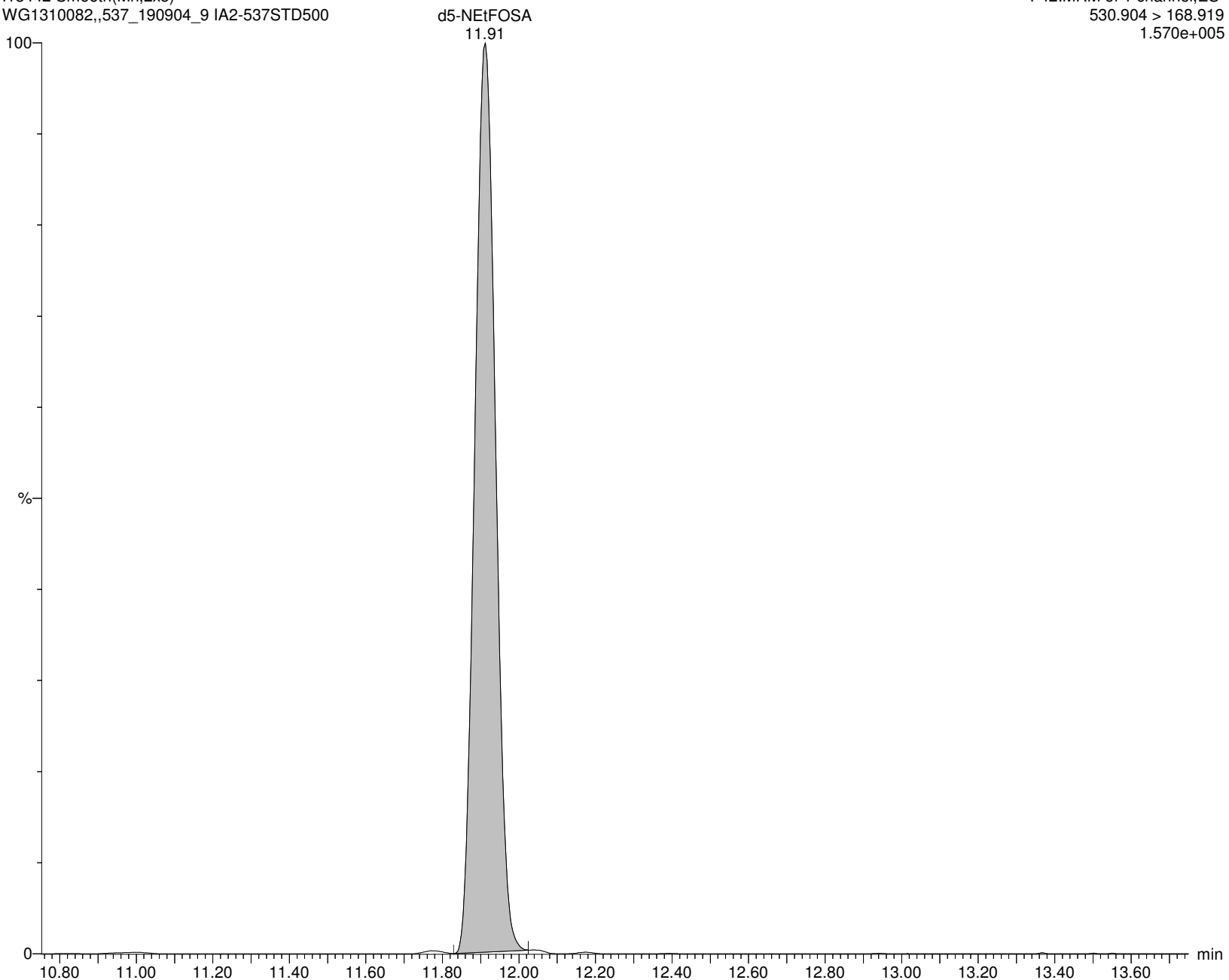
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.570e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSE

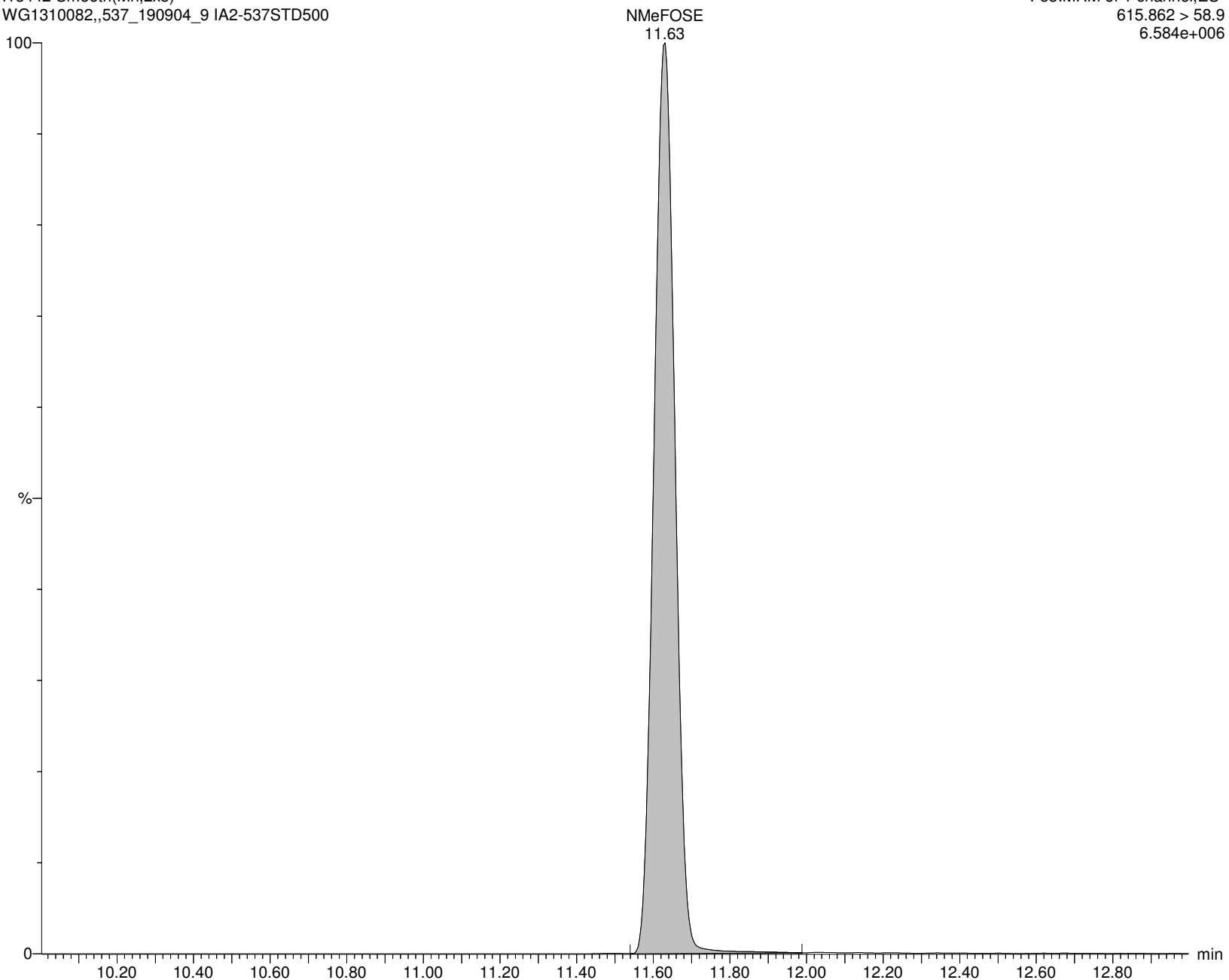
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F53:MRM of 1 channel,ES-

615.862 > 58.9

6.584e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

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Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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d7-NMeFOSE

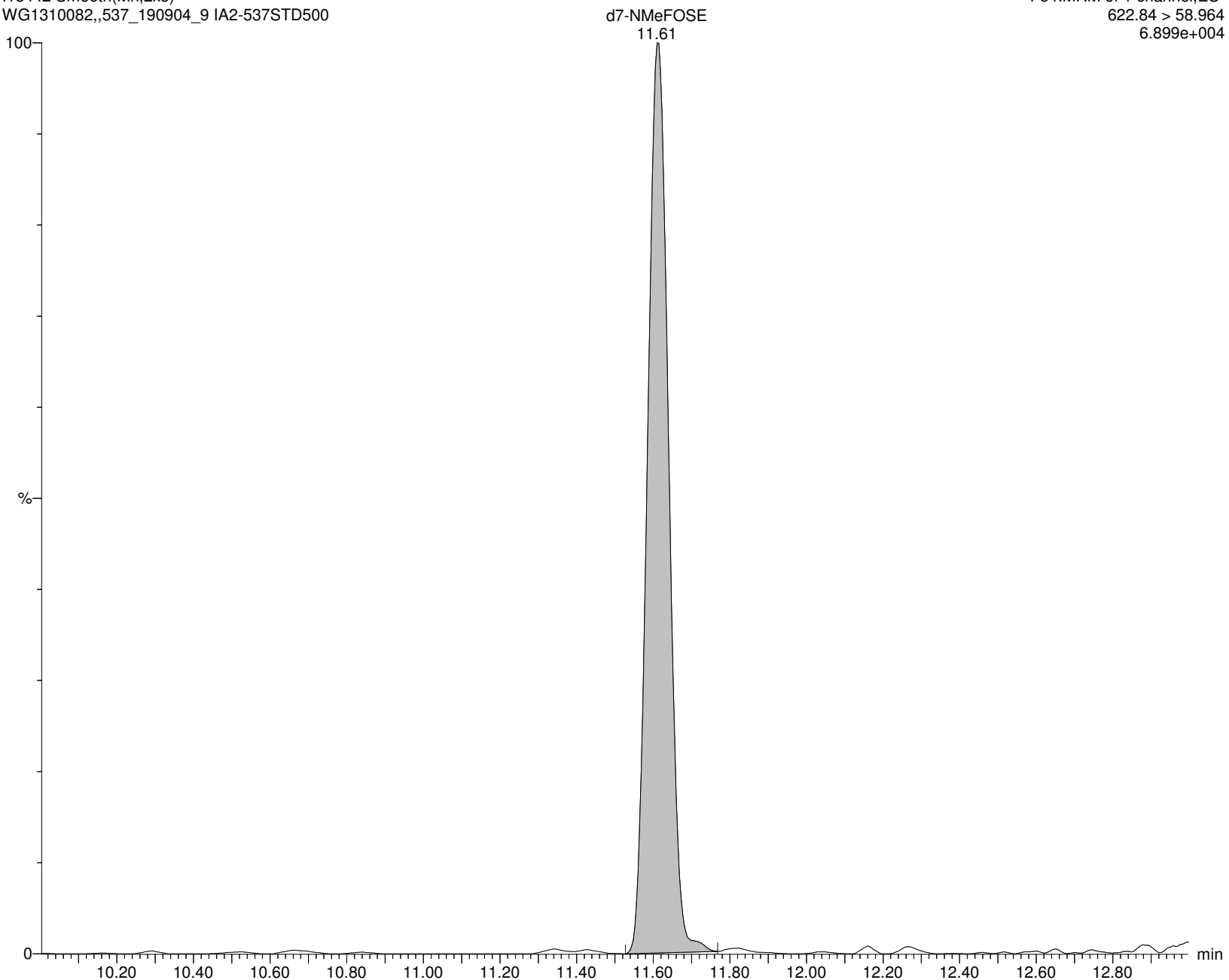
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F54:MRM of 1 channel,ES-

622.84 > 58.964

6.899e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

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Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSE

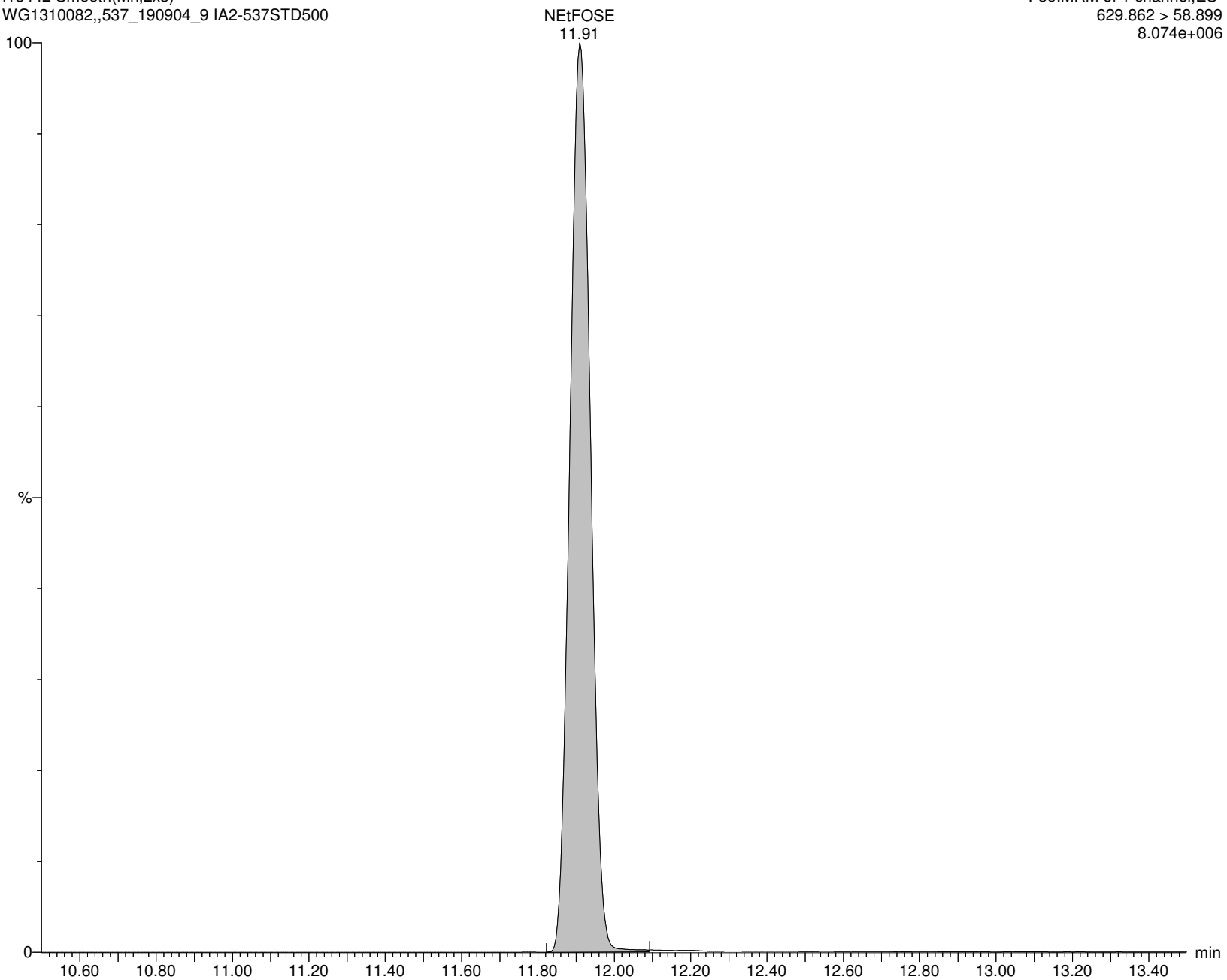
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F56:MRM of 1 channel,ES-

629.862 > 58.899

8.074e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICAL.qld

Last Altered: Monday, November 18, 2019 13:41:42 Eastern Standard Time

Printed: Monday, November 18, 2019 13:43:05 Eastern Standard Time

Name: I13442

ID: IA2-537STD500

Date: 18-Nov-2019

Time: 12:49:53

Description: WG1310082,,537_190904_9

User: LCMS02:JW

Vial: 1:B,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

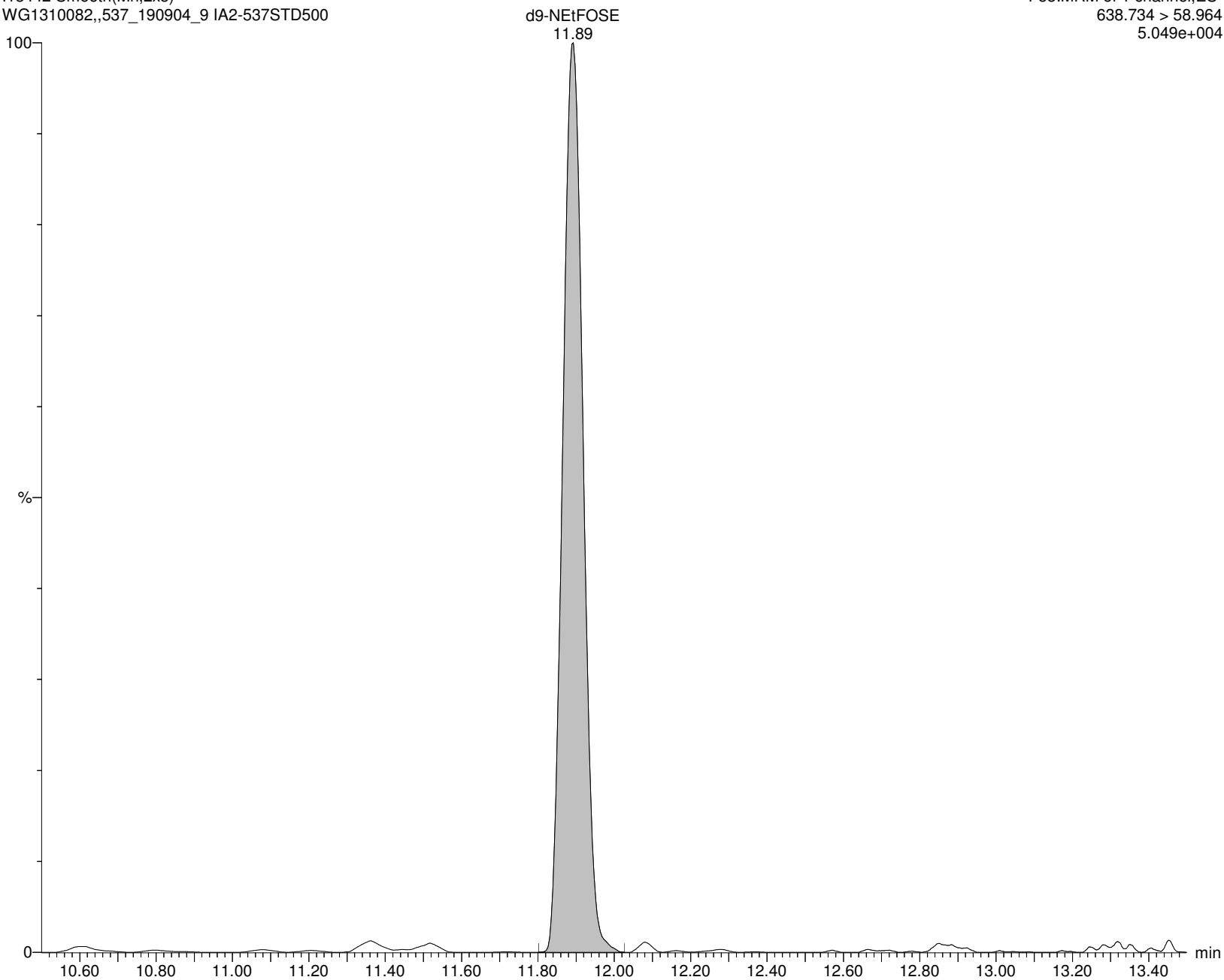
I13442 Smooth(Mn,2x5)

WG1310082,,537_190904_9 IA2-537STD500

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.049e+004



Initial Calibration Verification

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:42:01

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: CA2-537STD010

Name: I13446

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	42361		9.613		na	96.1
2	M3PFBA	INT STD	2.20	215.926 > 172.122	47650		10.284		na	102.8
3	MPFBA	INT STD	2.20	216.926 > 172.137	52774		10.177		na	101.8
4	PFPeA	2706-90-3	5.10	262.926 > 219.002	74854		10.093		na	100.9
5	M5PFPEA	INT STD	5.10	267.989 > 223.081	76794		10.441		na	104.4
6	PFBS	375-73-5	5.75	298.926 > 79.923	15207		9.790	1.84	NO	110.6
7	M3PFBS	INT STD	5.75	301.989 > 80.254	10573		9.614		na	96.1
8	4:2FTS	757124-72-4	6.92	326.926 > 306.957	6628		10.082	2.28	NO	107.8
9	M2-4:2FTS	INT STD	6.91	329.117 > 309.079	6106		8.550		na	85.5
10	PFHxA	307-24-4	6.99	312.989 > 269.028	86177		10.613	18.33	NO	106.1
11	M5PFHxA	INT STD	6.99	317.989 > 273.045	88207		10.040		na	100.4
12	PFPeS	2706-91-4	7.31	348.926 > 80.251	10536		9.627	1.75	NO	102.4
13	PFHpA	375-85-9	8.26	362.926 > 319.014	106076		9.749	5.71	NO	97.5
14	M4PFHpA	INT STD	8.26	366.926 > 321.979	120626		10.307		na	103.1
15	br-PFHxS	355-46-4	8.18	398.926 > 80.295	1040	M5	1.338	1.53	NO	78.7
16	L-PFHxS	355-46-4	8.41	398.926 > 80.295	7078		8.636	1.14	NO	116.7
17	PFHxS	355-46-4		398.926 > 80.295	8119		9.974		na	
18	M3PFHxS	INT STD	8.41	401.926 > 80.317	6544		10.308		na	103.1
19	br-PFOA	335-67-1		412.989 > 368.9			ND	0.00	NO	
20	L-PFOA	335-67-1	9.19	412.989 > 368.9	106483		10.020	10.36	NO	100.2
21	PFOA	335-67-1		412.989 > 368.9	106483		10.020		na	
22	M8PFOA	INT STD	9.20	420.989 > 375.979	115730		10.305		na	103.1
23	M2PFOA	INT STD	9.19	415.032 > 369.968	114773		10.857		na	108.6
24	6:2FTS	27619-97-2	9.16	426.989 > 406.921	5027		9.893	10.39	NO	104.1
25	M2-6:2FTS	INT STD	9.15	428.989 > 408.917	6410		9.186		na	91.9
26	PFHpS	375-92-8	9.29	448.926 > 80.257	5298		9.538	0.80	NO	100.4
27	PFNA	375-95-1	9.95	462.989 > 418.931	100647		10.746	4.57	NO	107.5
28	M9PFNA	INT STD	9.95	472.053 > 426.947	114327		10.346		na	103.5
29	br-PFOS	1763-23-1	9.75	498.989 > 80.294	2213	M5	2.000	12.82	NO	100.0
30	L-PFOS	1763-23-1	10.00	498.989 > 80.294	4755		5.744	1.31	NO	78.7
31	PFOS	1763-23-1		498.989 > 80.294	6968		7.744		na	
32	M4PFOS	INT STD	9.99	503.032 > 80.306	7858		11.251		na	112.5
33	M8PFOS	INT STD	9.99	507.053 > 80.294	8435		10.462		na	104.6
34	PFDA	335-76-2	10.57	513.053 > 468.906	97351		10.757	6.98	NO	107.6
35	M2PFDA	INT STD	10.57	515.053 > 469.934	101020		11.442		na	114.4
36	M6PFDA	INT STD	10.57	519.053 > 473.931	105496		10.105		na	101.0
37	8:2FTS	39108-34-4	10.56	526.926 > 506.818	4539		11.498		na	119.8
38	M2-8:2FTS	INT STD	10.56	529.053 > 508.945	3767		9.201		na	92.0
39	PFNS	68259-12-1	10.60	548.989 > 80.249	7693		9.805	1.23	NO	102.1

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

ID: CA2-537STD010

Name: I13446

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	11079		9.317		na	93.2
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	11297		10.941	2.63	NO	109.4
43	NMeFOSAA	2355-31-9		570.053 > 418.917	11297		10.941		na	
44	PFUnA	2058-94-8	11.11	562.989 > 518.903	82999		8.764	7.78	NO	87.6
45	M7-PFUDA	INT STD	11.11	570.053 > 524.923	99029		10.692		na	106.9
46	PFDS	335-77-3	11.12	598.926 > 80.314	5925		10.565	0.97	NO	109.5
47	FOSA	754-91-6	11.01	497.989 > 78.245	24260		9.662	147.48	NO	96.6
48	M8FOSA	INT STD	11.01	506.053 > 78.286	23629		9.573		na	95.7
49	d5-NEtFOSAA	INT STD	11.25	589.117 > 418.929	9513		9.057		na	90.6
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	9291		10.346	2.69	NO	103.5
52	NEtFOSAA	2991-50-6		583.989 > 418.927	9291		10.346		na	
53	PFDaA	307-55-1	11.59	612.989 > 568.967	87678		10.260	15.06	NO	102.6
54	MPFDOA	INT STD	11.59	614.989 > 569.92	100895		9.710		na	97.1
55	PFTrDA	72629-94-8	12.00	663.053 > 618.969	70021		10.244	11.82	NO	102.4
56	PFTA	376-06-7	12.36	713.053 > 668.976	68360		10.866	8.97	NO	108.7
57	M2PFTEDA	INT STD	12.36	715.053 > 669.945	78556		9.518		na	95.2
58	M3HFPO-DA	INT STD	7.42	331.989 > 286.995	4341		88.220		na	44.1
59	HFPO-DA	13252-13-6	7.42	284.819 > 169.094	7583		210.406	2.55	YES	105.2
60	ADONA	958445-44-8	8.44	376.926 > 251.005	164793		10.832		na	114.5
61	PFHxDA		12.78	813.053 > 769.005	57272		8.572		na	85.7
62	PFODA		12.99	912.989 > 869.032	39786		8.125		na	81.2
63	M2PFHxDA		12.78	815.372 > 770.158	18254		10.390		na	103.9
64	PFDoS		11.99	698.649 > 79.853	5661		9.903	2.09	YES	99.0
65	10:2FTS		11.60	626.862 > 606.896	4054		10.610		na	110.1
66	9CL-PF3ONS		10.34	530.862 > 350.843	49285		8.891		na	95.4
67	11CL-PFOUdS		11.38	630.862 > 450.854	38494		8.237		na	87.4
68	NMeFOSA		11.62	511.804 > 168.906	9247		10.775	1.49	NO	107.8
69	d3-NMeFOSA		11.62	514.84 > 168.917	11547		8.969		na	89.7
70	NEtFOSA		11.92	525.84 > 168.92	10066		10.332	6.38	YES	103.3
71	d5-NEtFOSA		11.91	530.904 > 168.919	11119		8.830		na	88.3
72	NMeFOSE		11.62	615.862 > 58.9	13355		12.138		na	121.4
73	d7-NMeFOSE		11.61	622.84 > 58.964	5439		9.020		na	90.2
74	NEtFOSE		11.91	629.862 > 58.899	13817		10.579		na	105.8
75	d9-NEtFOSE		11.89	638.734 > 58.964	3309		9.385		na	93.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:42:01

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

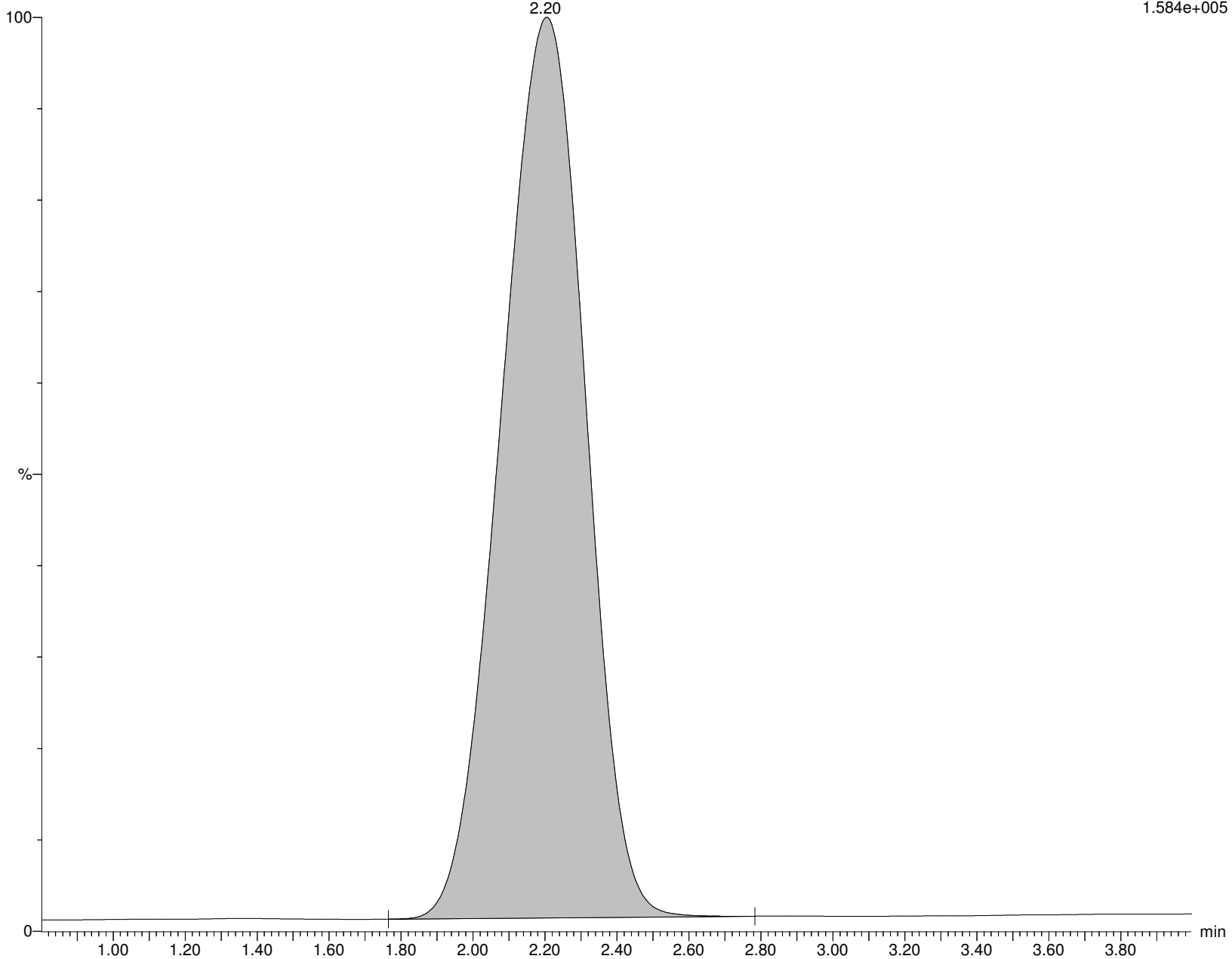
I13446 Smooth(Mn,8x8)

WG1310082,,537ISO_190904 CA2-537STD010

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.584e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

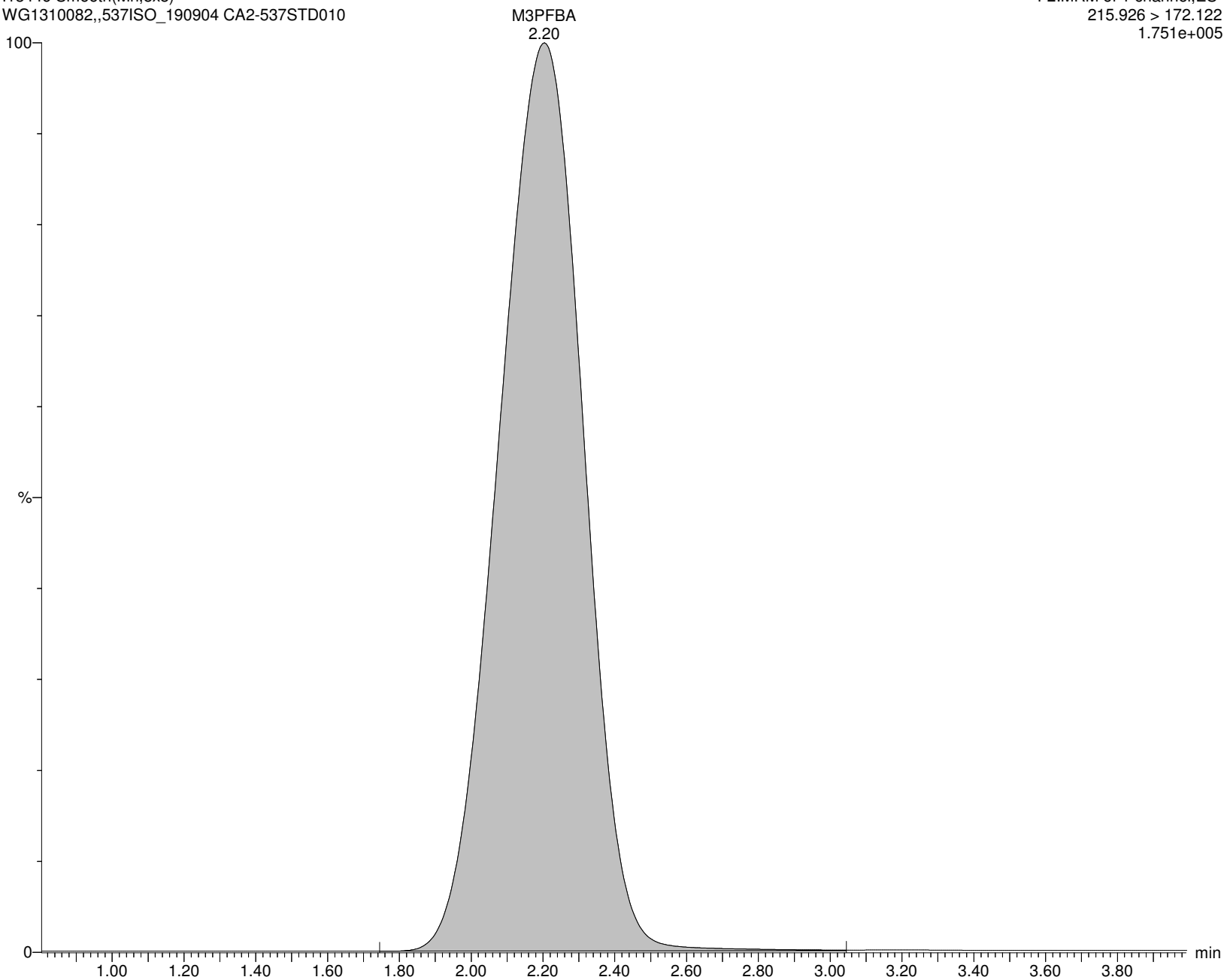
I13446 Smooth(Mn,8x8)

WG1310082,,537ISO_190904 CA2-537STD010

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.751e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

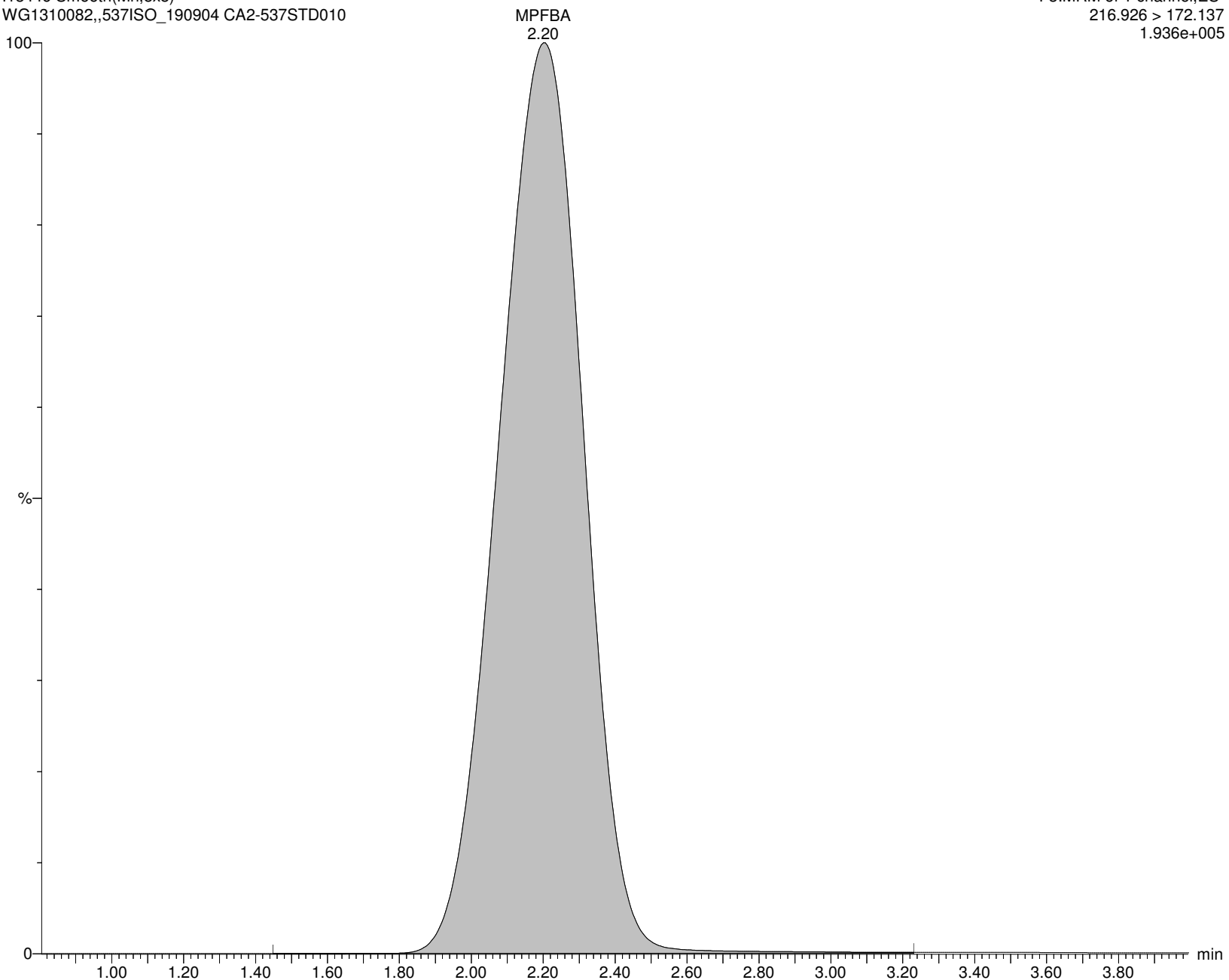
I13446 Smooth(Mn,8x8)

WG1310082,,537ISO_190904 CA2-537STD010

F3:MRM of 1 channel,ES-

216.926 > 172.137

1.936e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

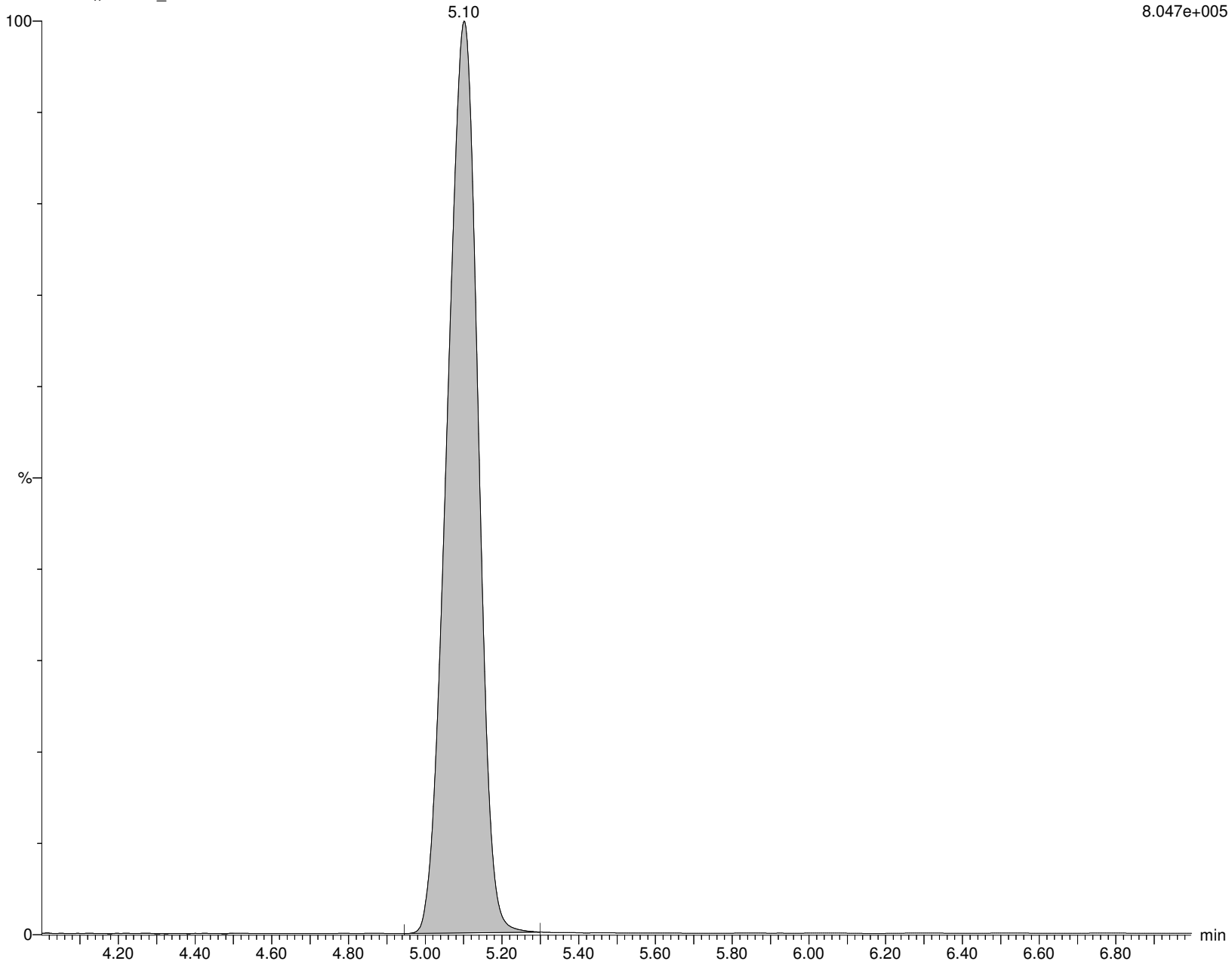
I13446 Smooth(Mn,7x7)

WG1310082,,537ISO_190904 CA2-537STD010

F4:MRM of 1 channel,ES-

262.926 > 219.002

8.047e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

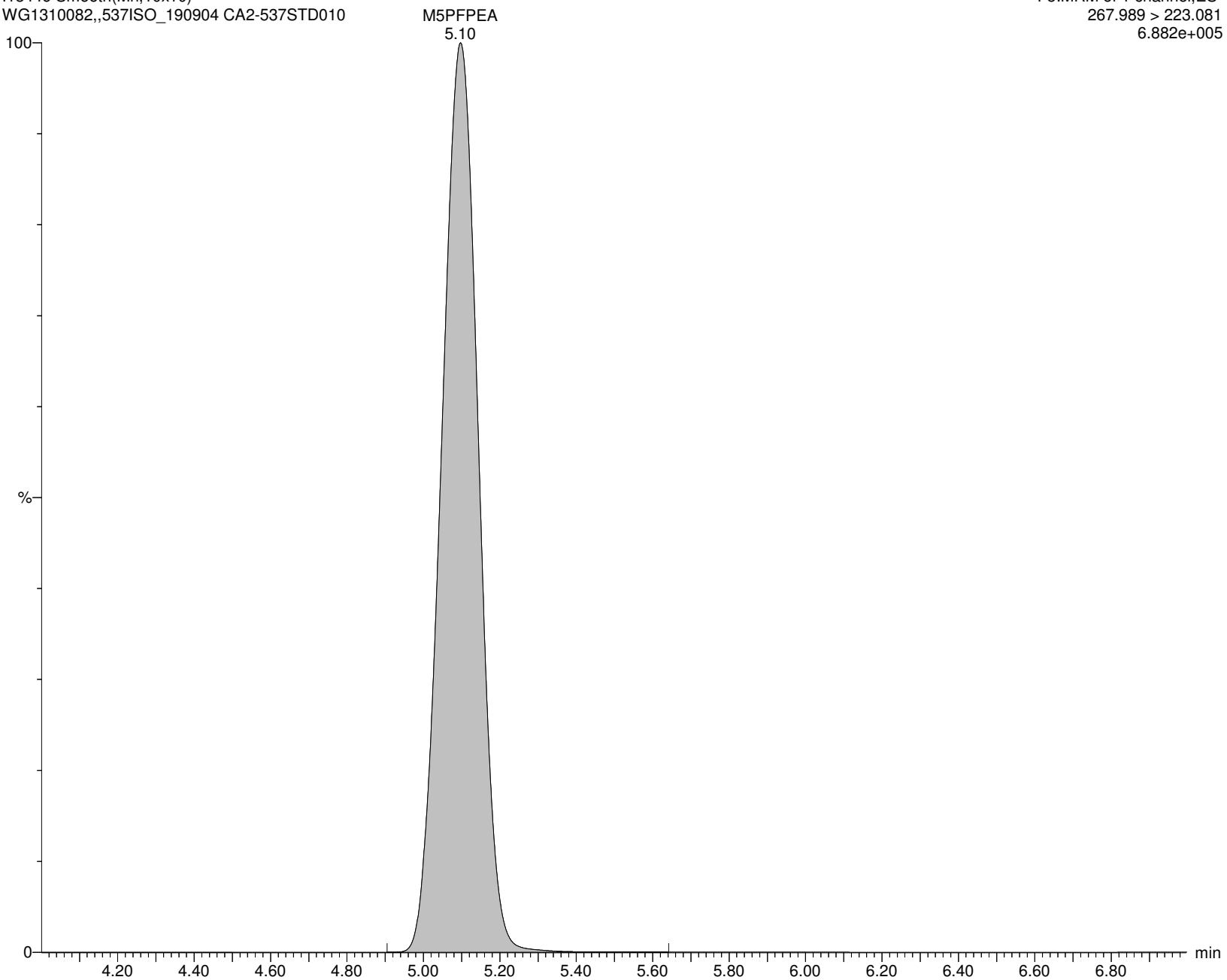
I13446 Smooth(Mn,10x10)

WG1310082,,537ISO_190904 CA2-537STD010

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.882e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

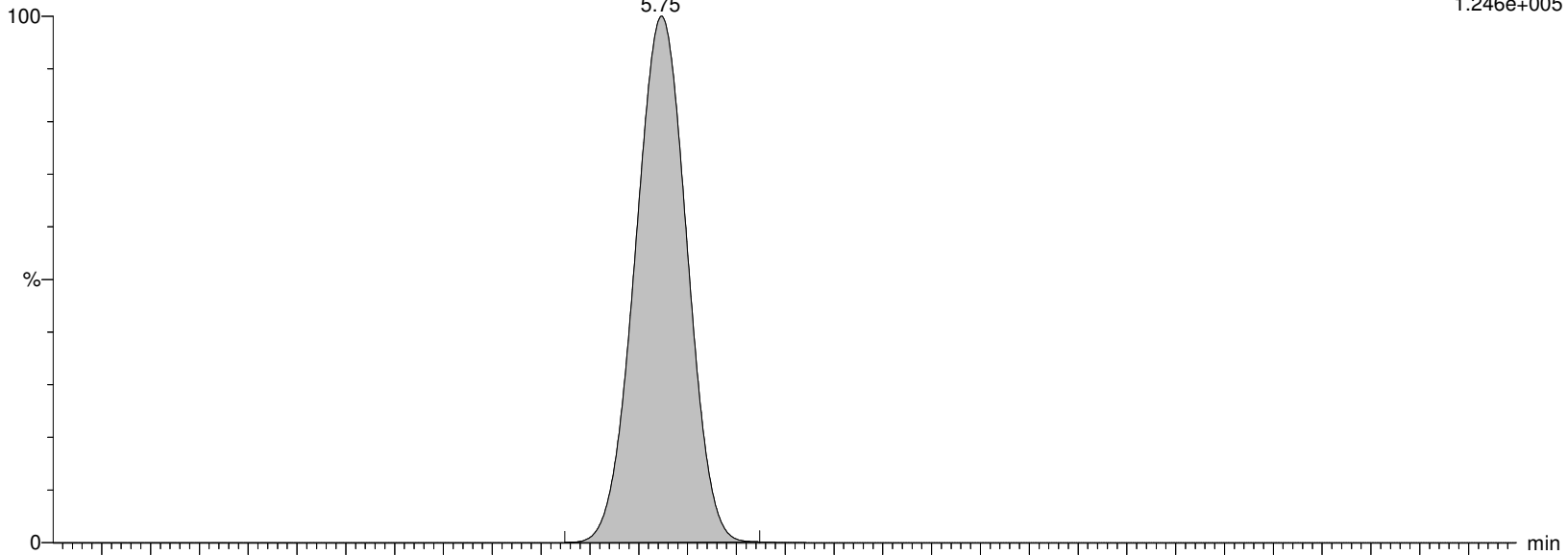
I13446 Smooth(Mn,10x10)

WG1310082,,537ISO_190904 CA2-537STD010

F7:MRM of 2 channels,ES-

298.926 > 79.923

1.246e+005



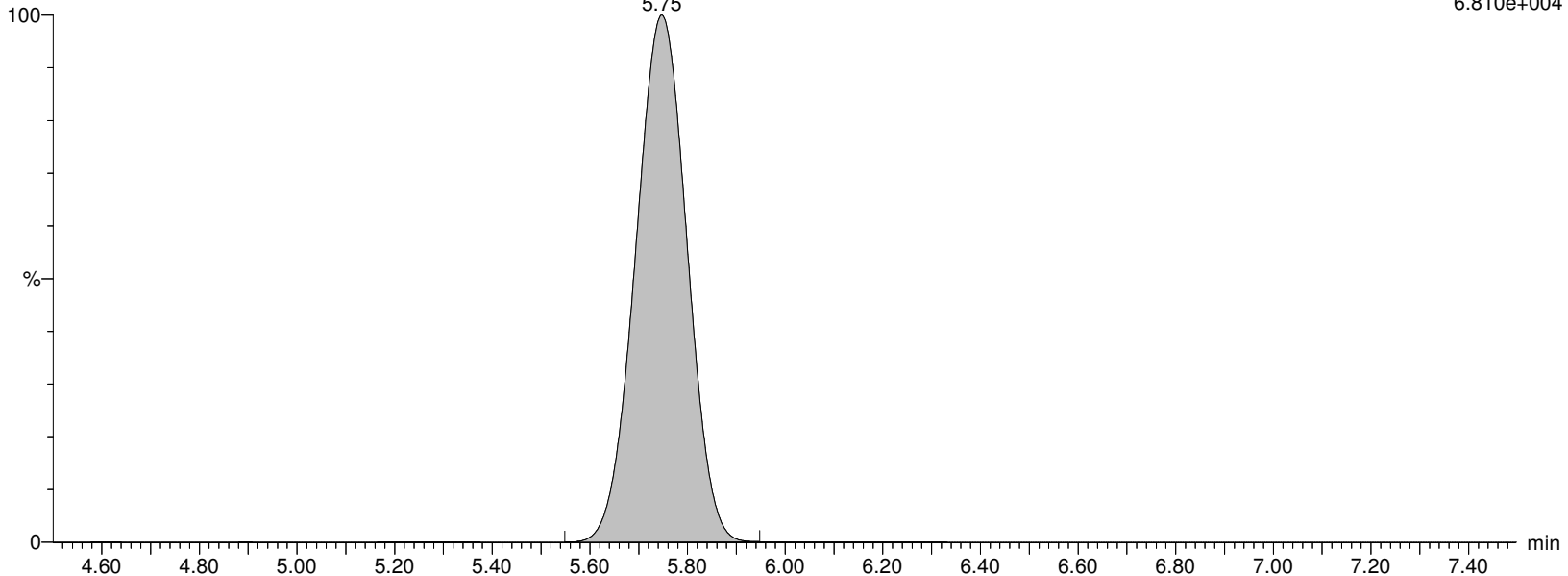
I13446 Smooth(Mn,10x10)

WG1310082,,537ISO_190904 CA2-537STD010

F7:MRM of 2 channels,ES-

298.926 > 98.862

6.810e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBS

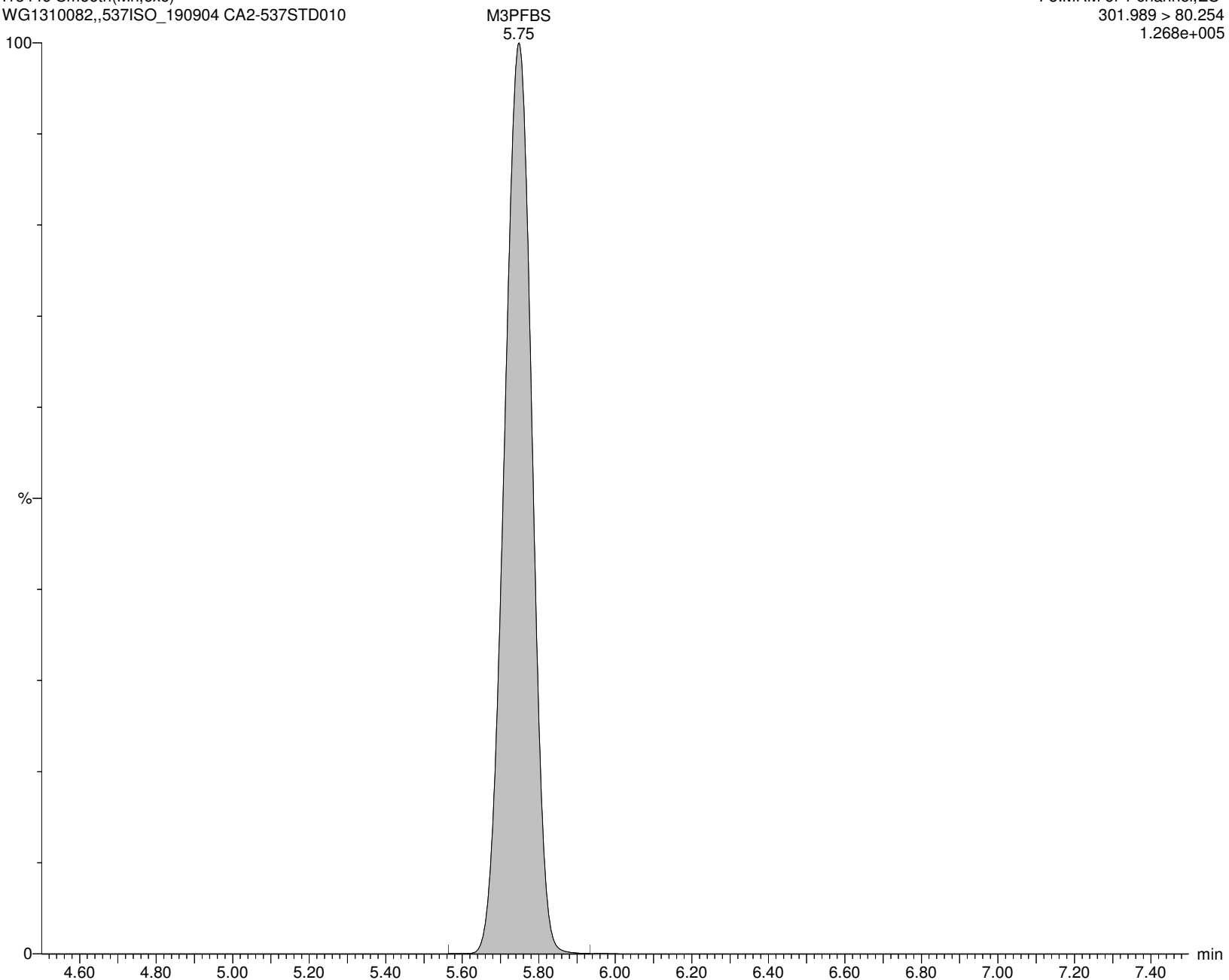
I13446 Smooth(Mn,6x6)

WG1310082,,537ISO_190904 CA2-537STD010

F8:MRM of 1 channel,ES-

301.989 > 80.254

1.268e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

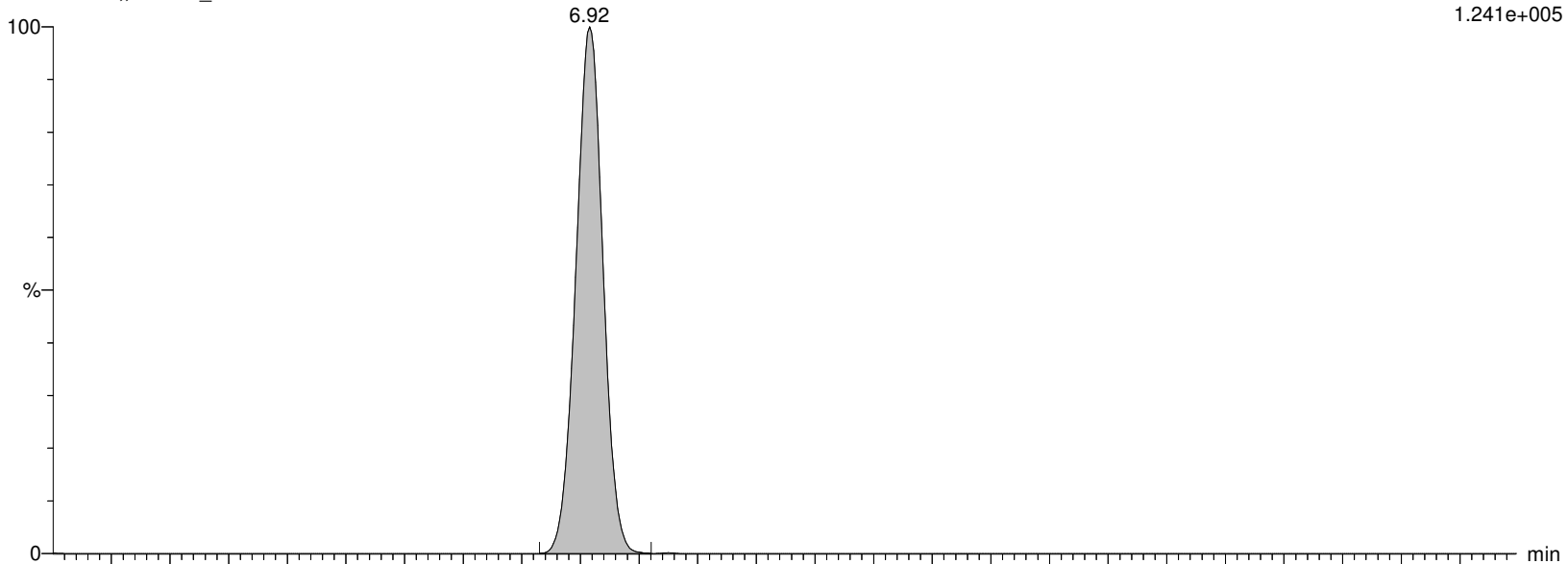
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F11:MRM of 2 channels,ES-

326.926 > 306.957

1.241e+005



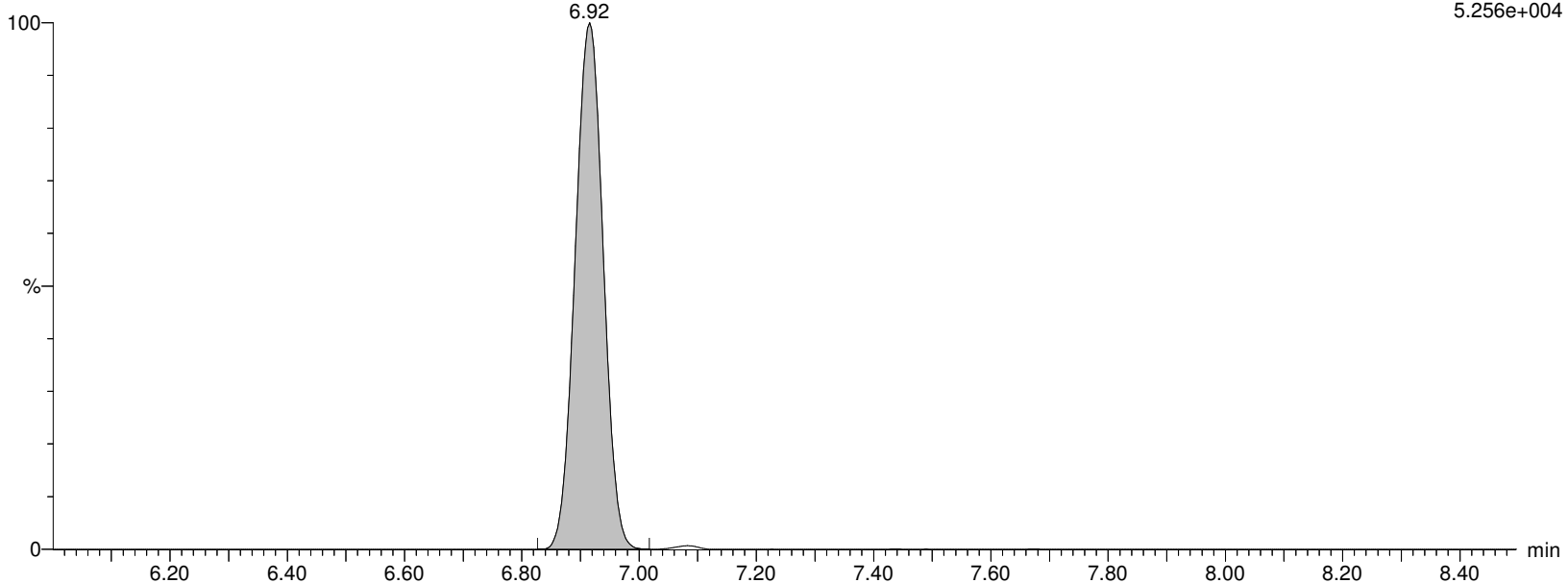
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F11:MRM of 2 channels,ES-

326.926 > 81.02

5.256e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

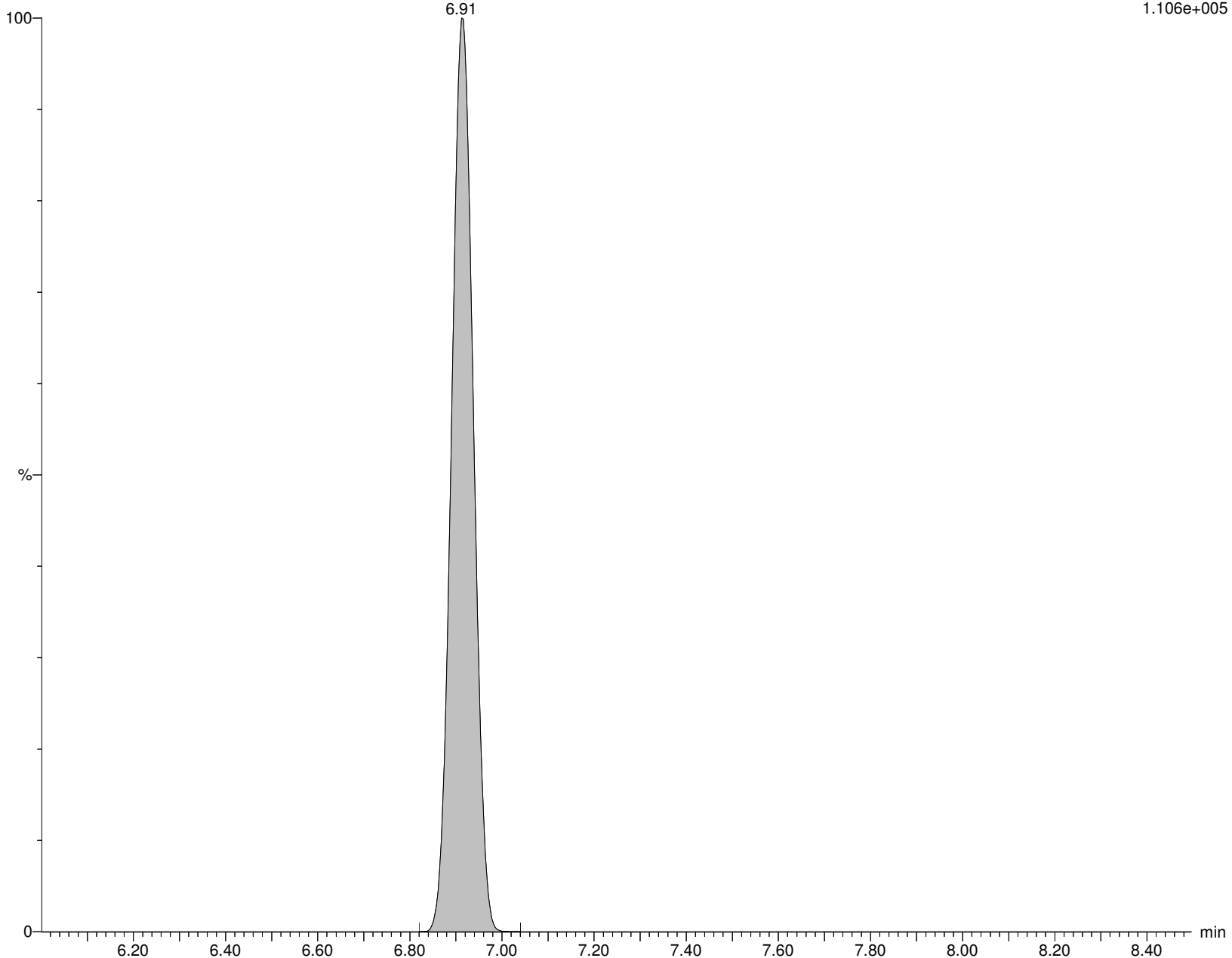
M2-4:2FTS

6.91

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.106e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

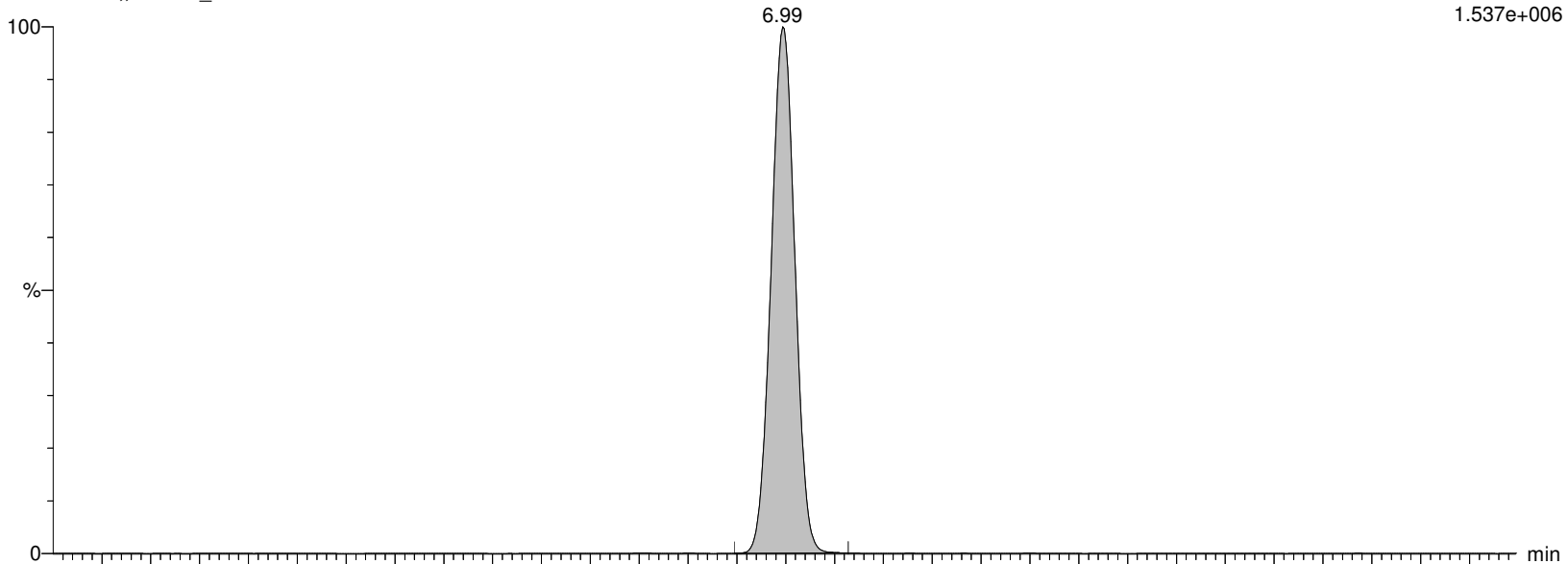
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F9:MRM of 2 channels,ES-

312.989 > 269.028

1.537e+006



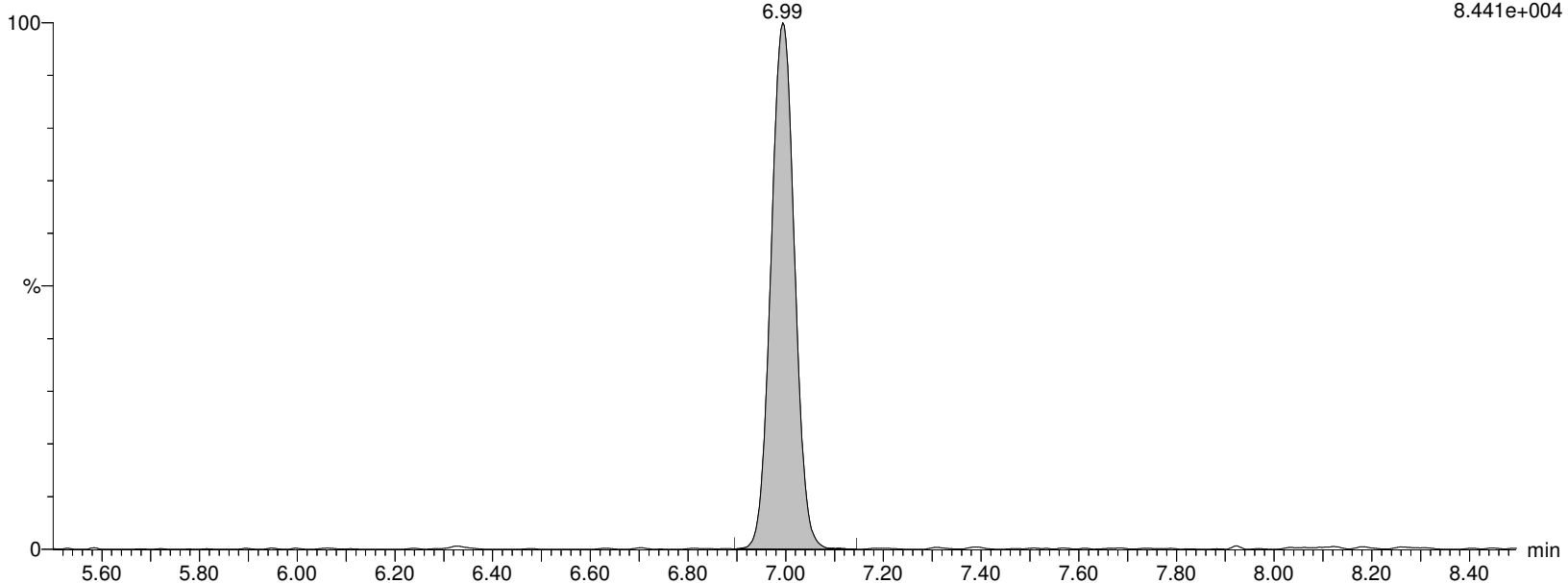
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F9:MRM of 2 channels,ES-

312.989 > 119.18

8.441e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFHxA

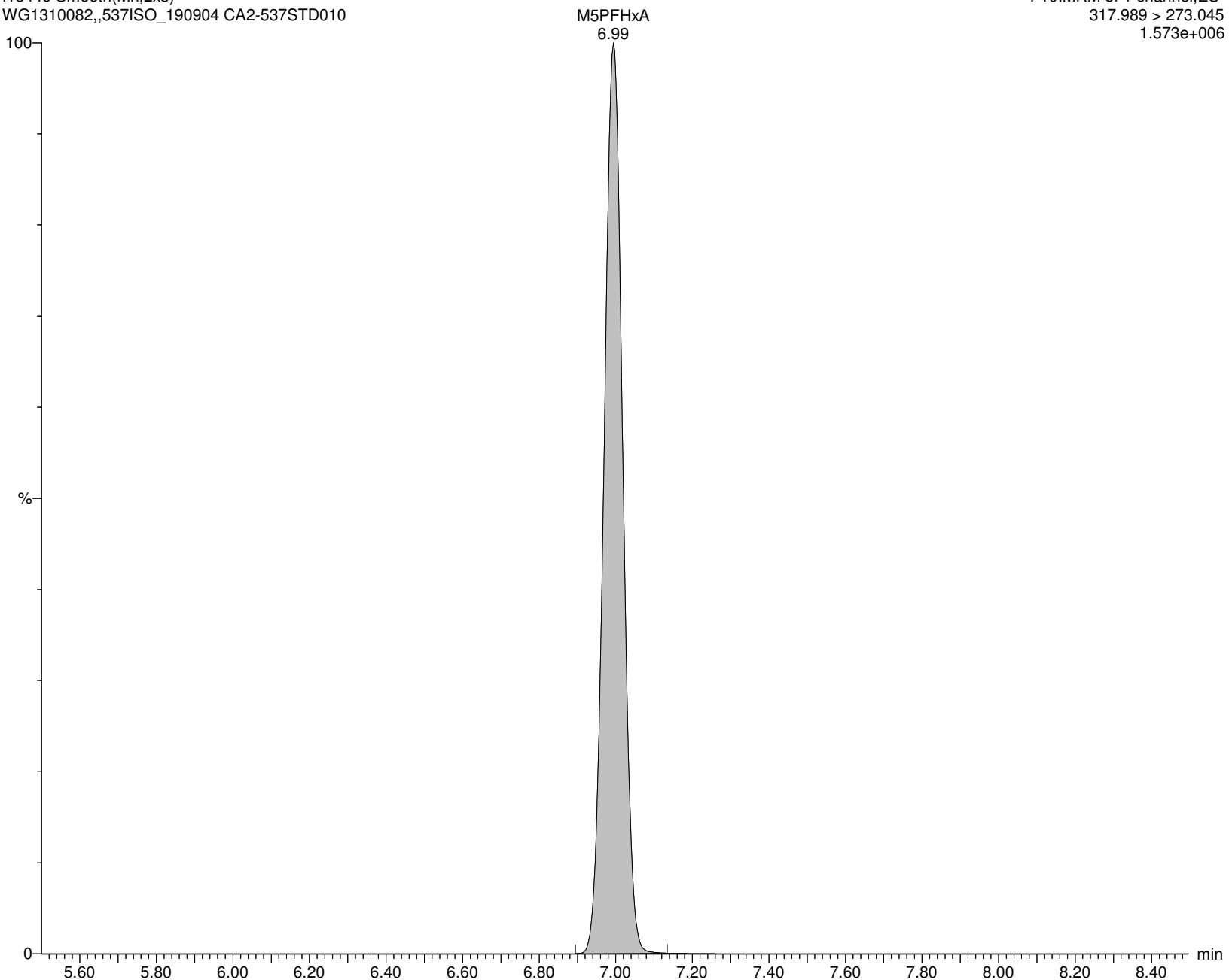
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.573e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeS**

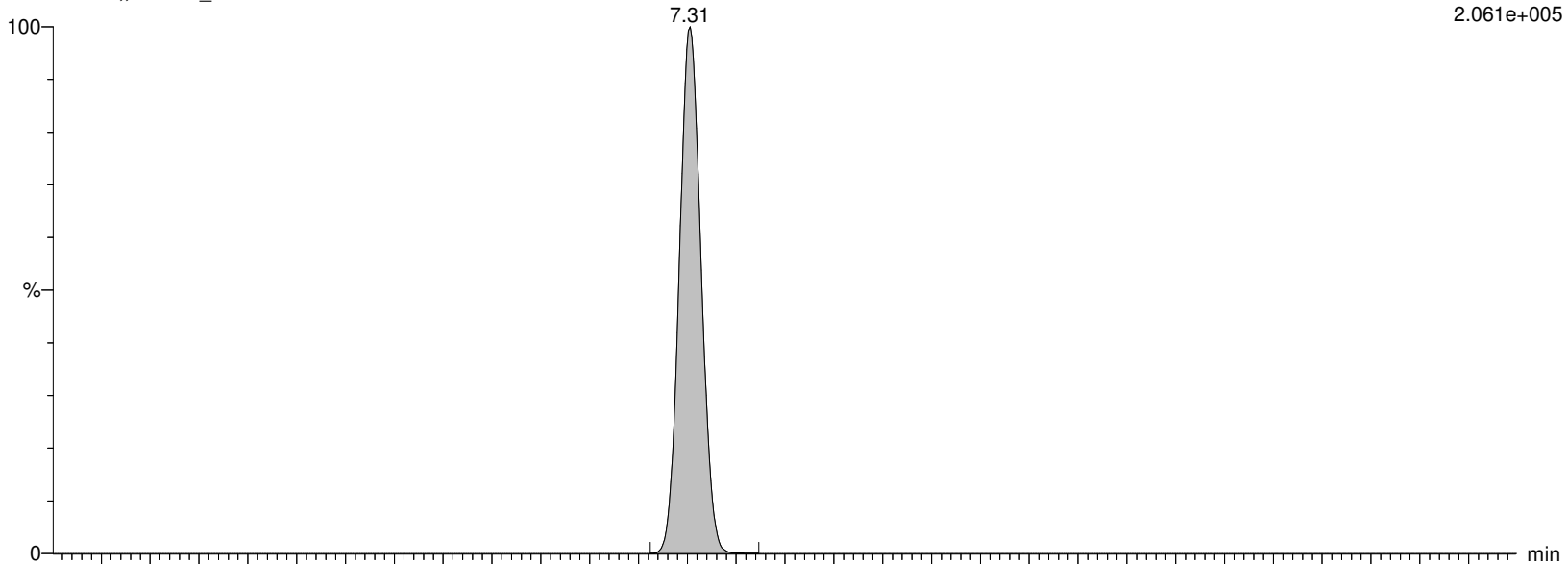
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F14:MRM of 2 channels,ES-

348.926 > 80.251

2.061e+005



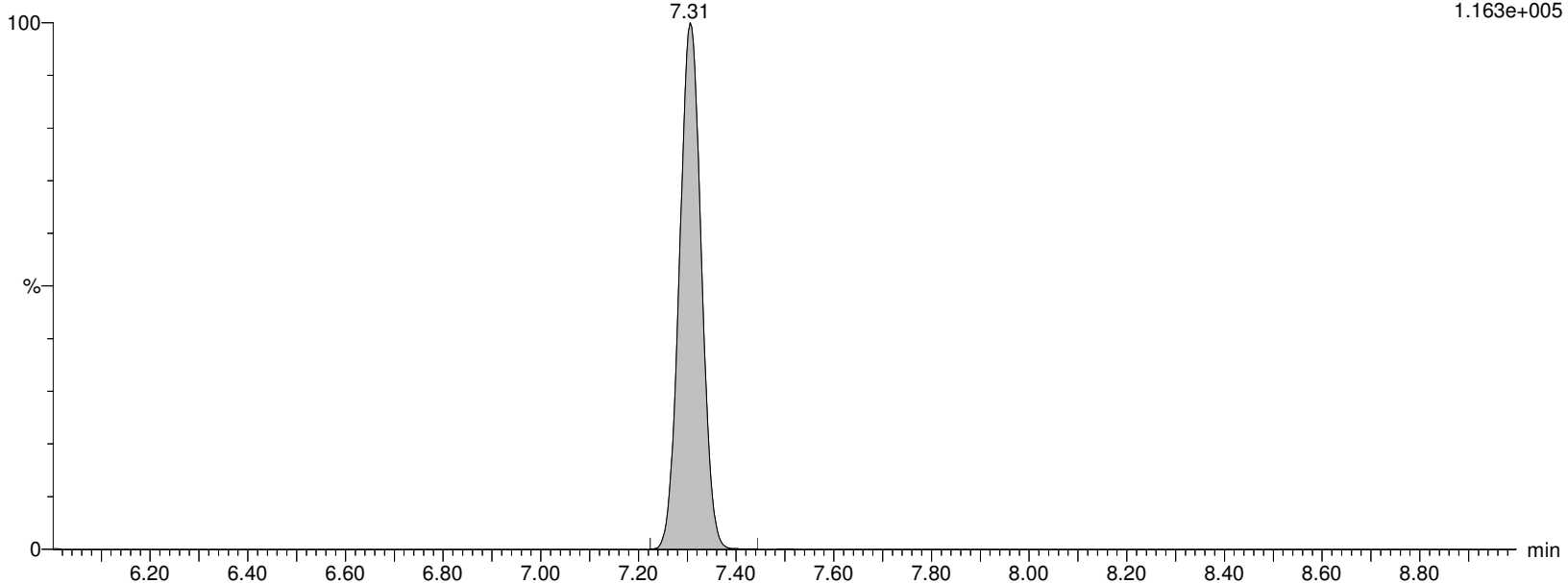
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.163e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

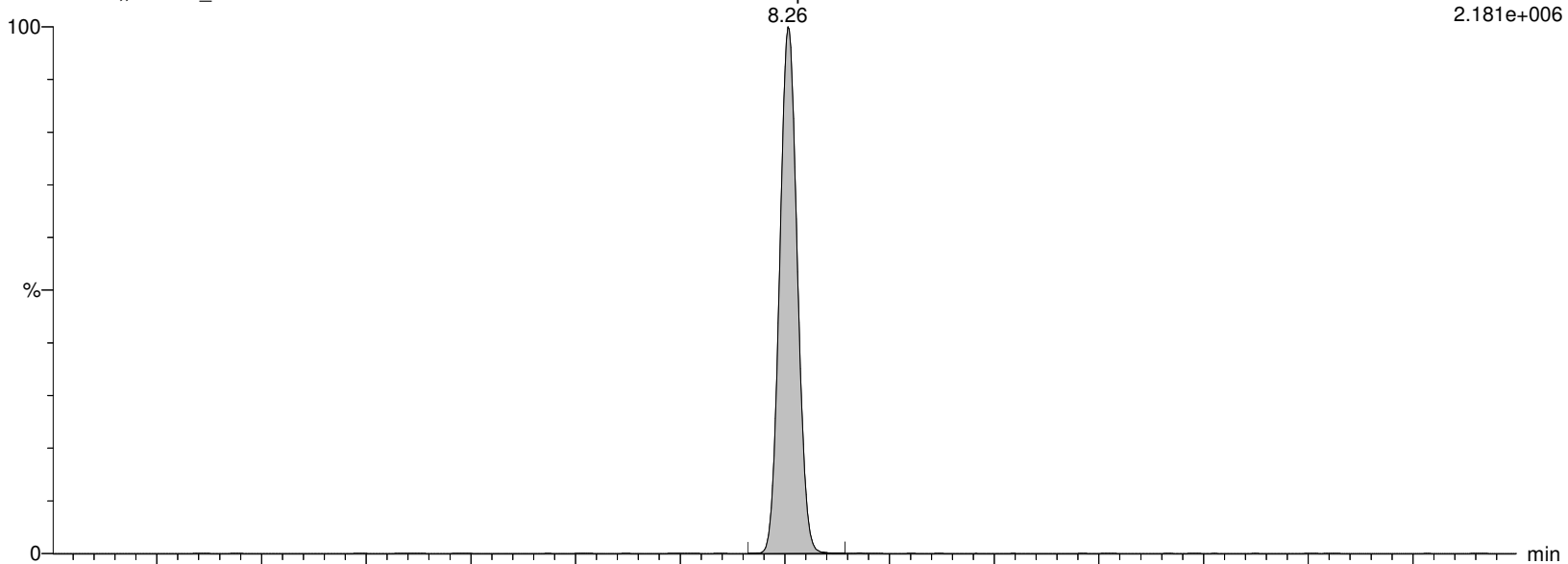
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F15:MRM of 2 channels,ES-

362.926 > 319.014

2.181e+006



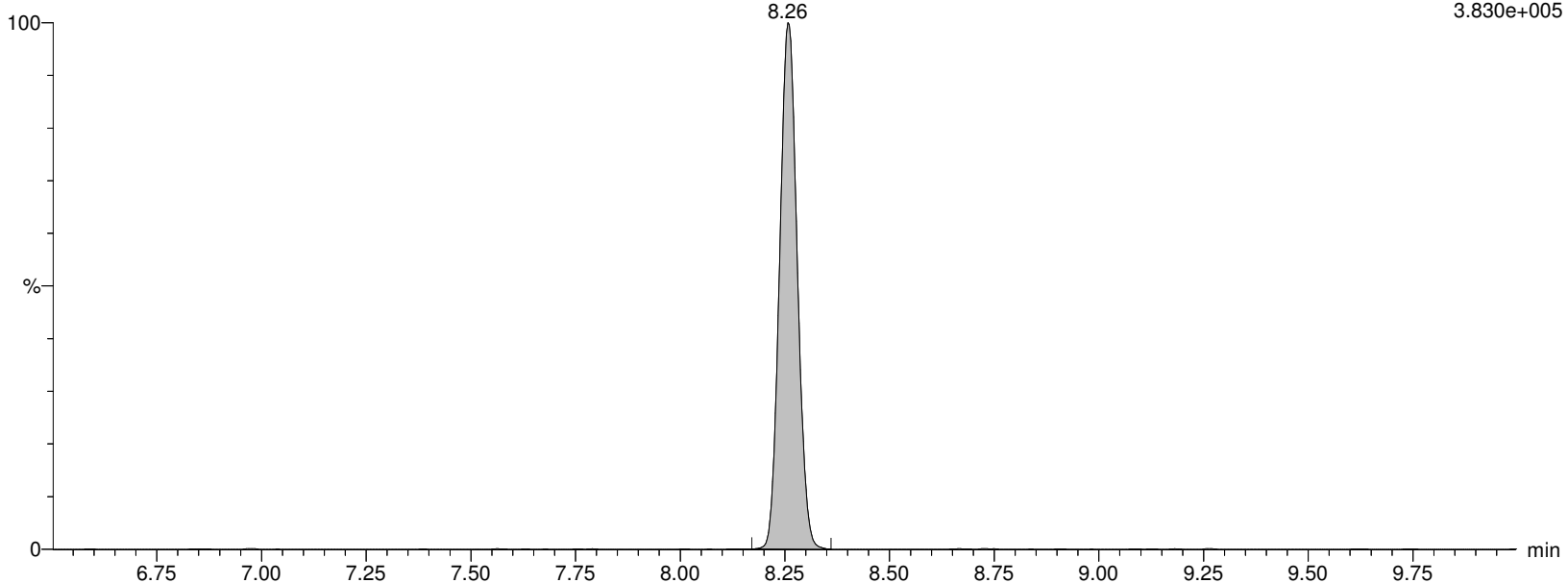
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F15:MRM of 2 channels,ES-

362.926 > 169.12

3.830e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFHpA

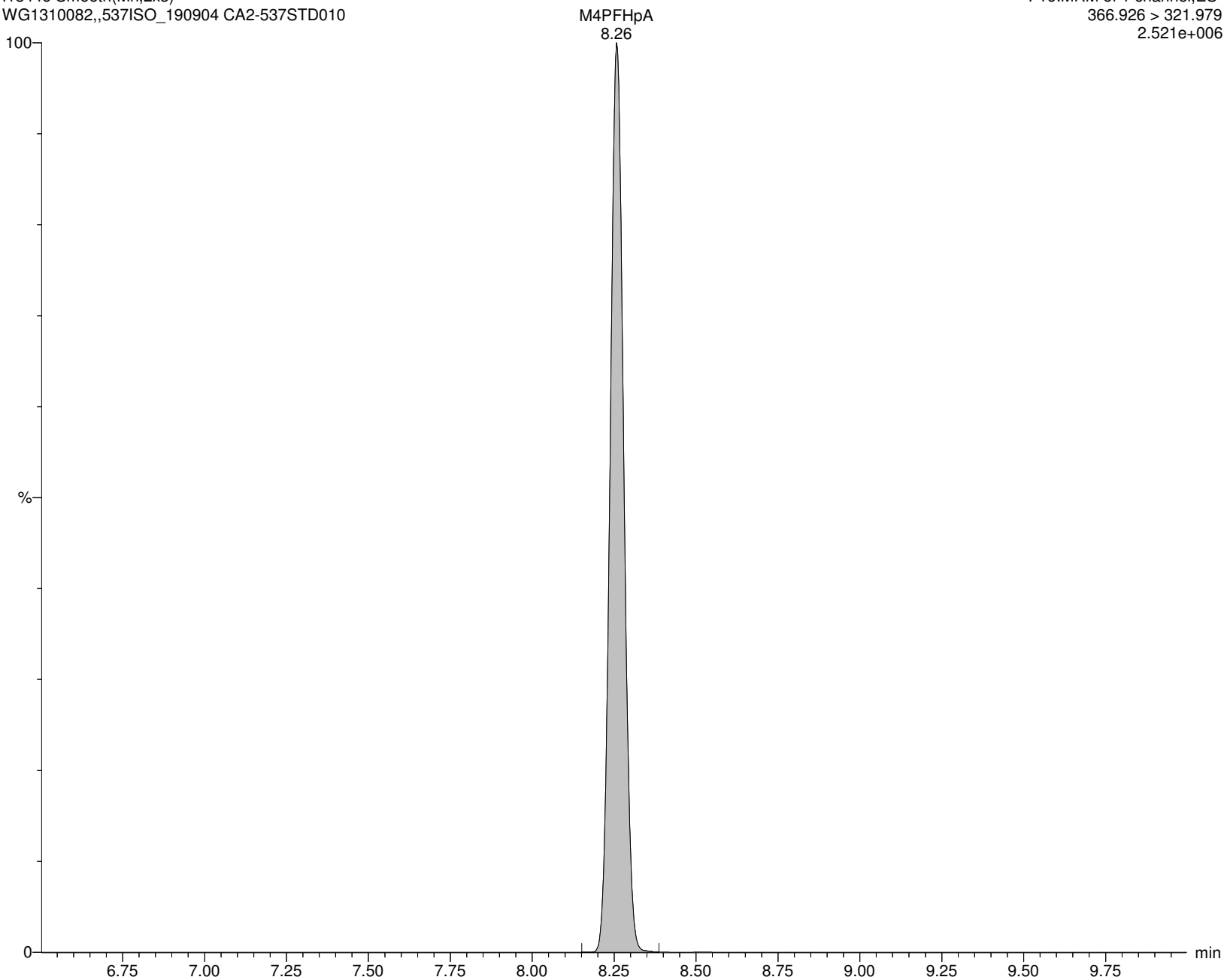
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.521e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

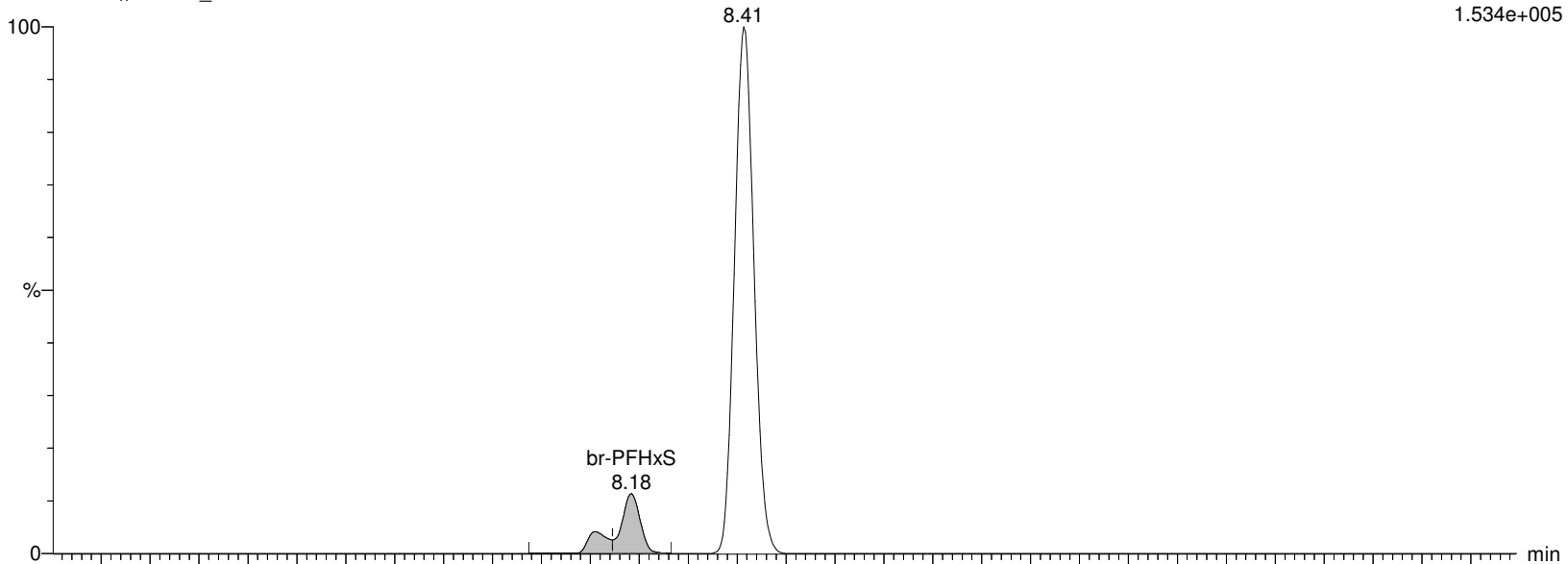
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.534e+005



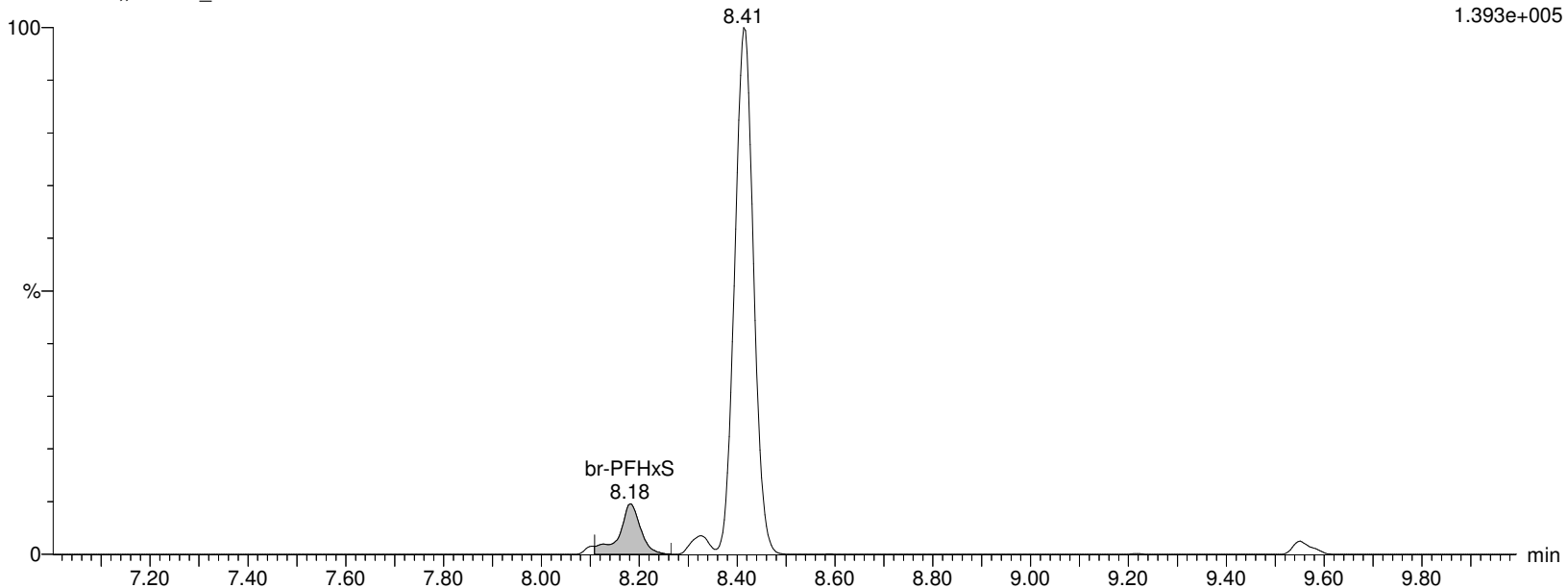
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.393e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

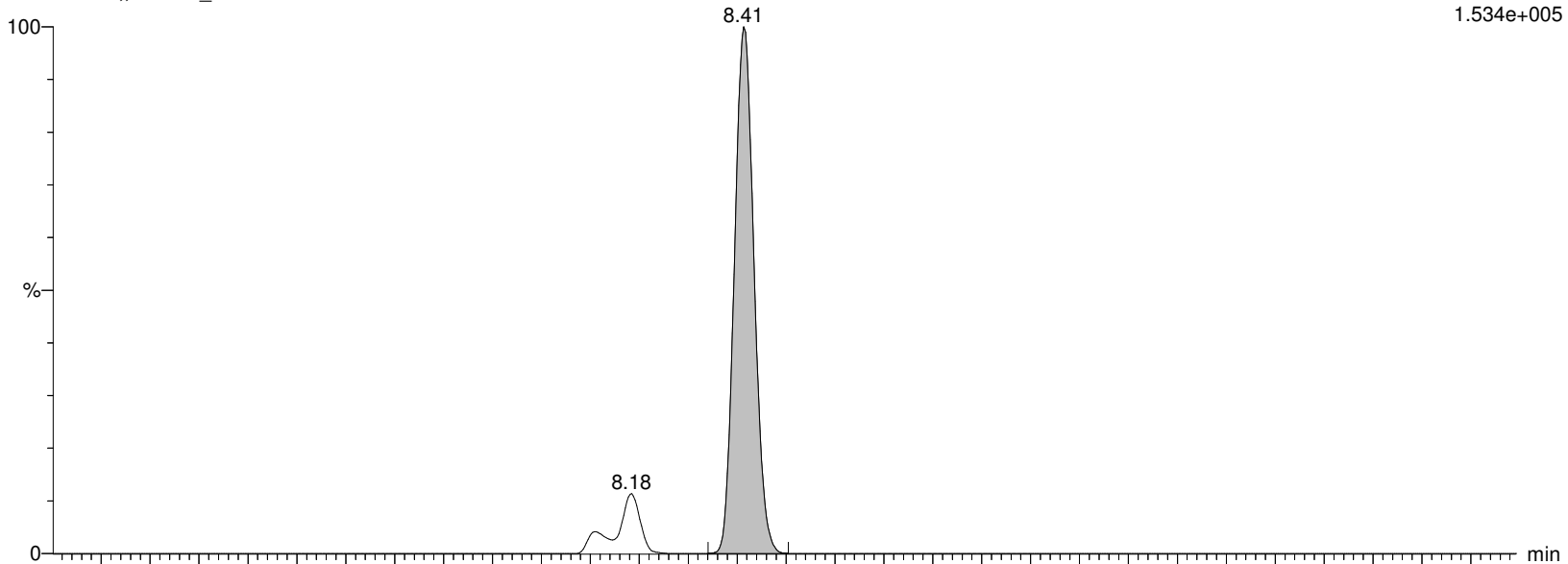
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.534e+005



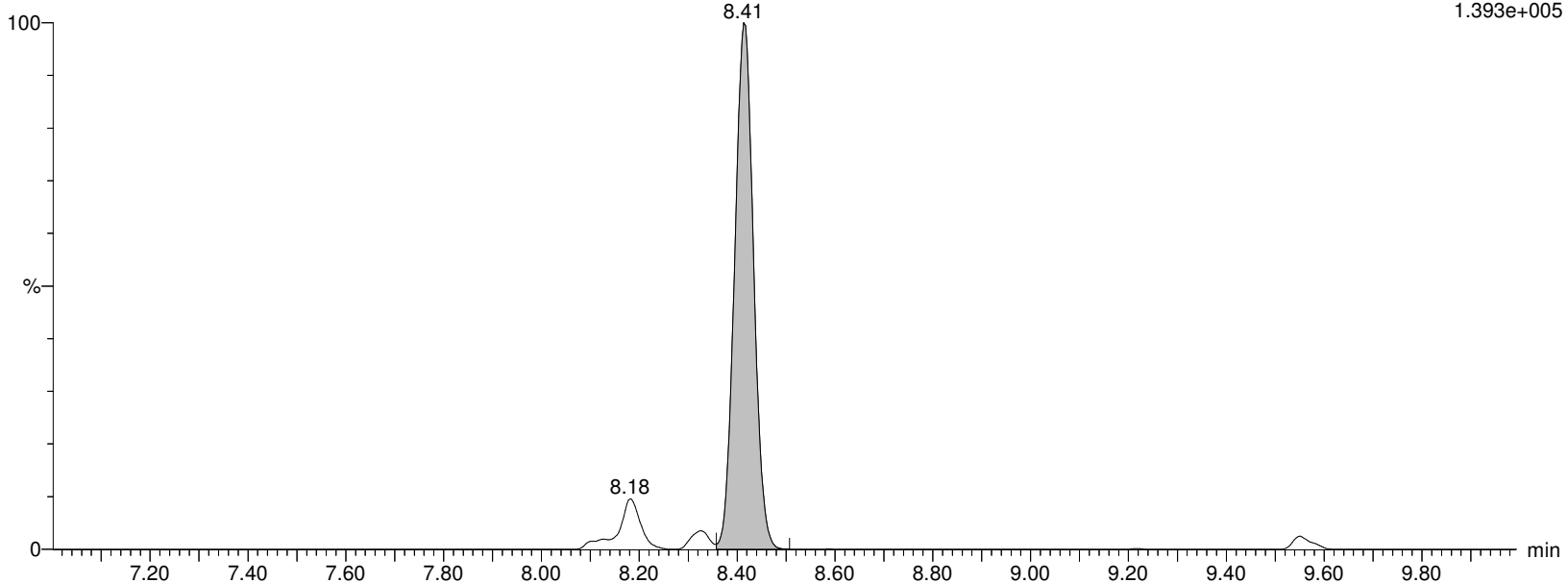
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.393e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

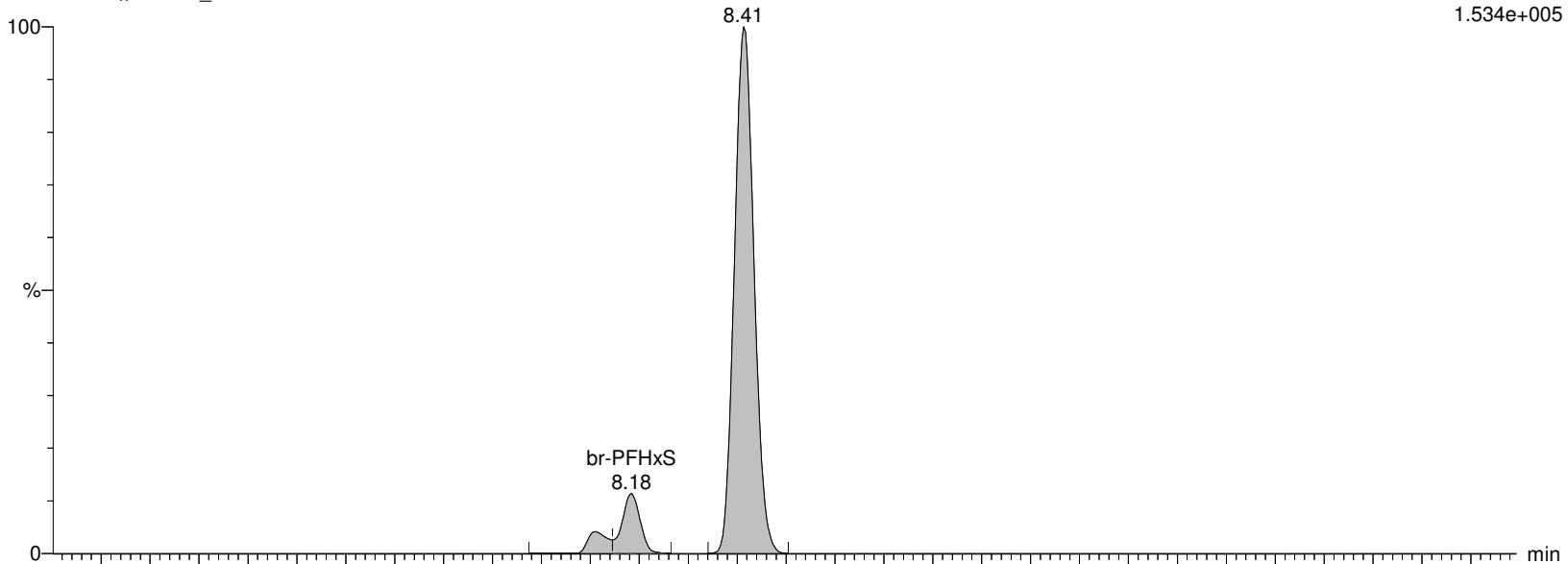
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.534e+005



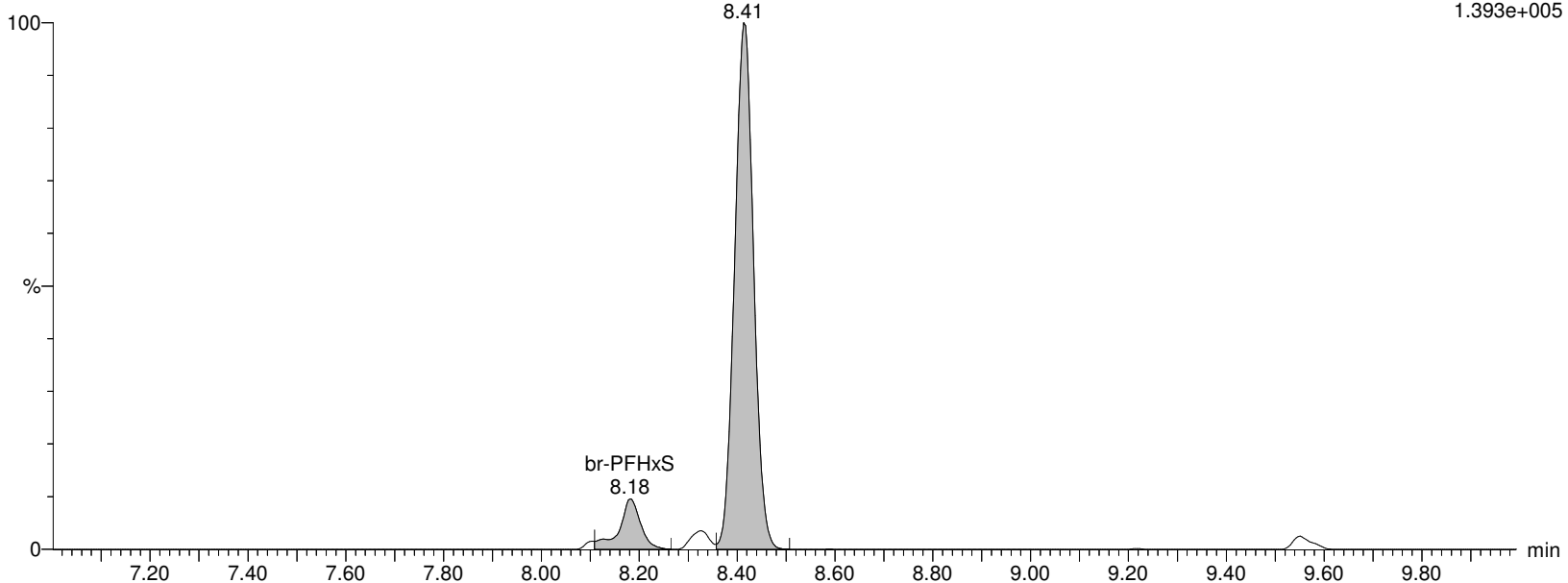
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.393e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

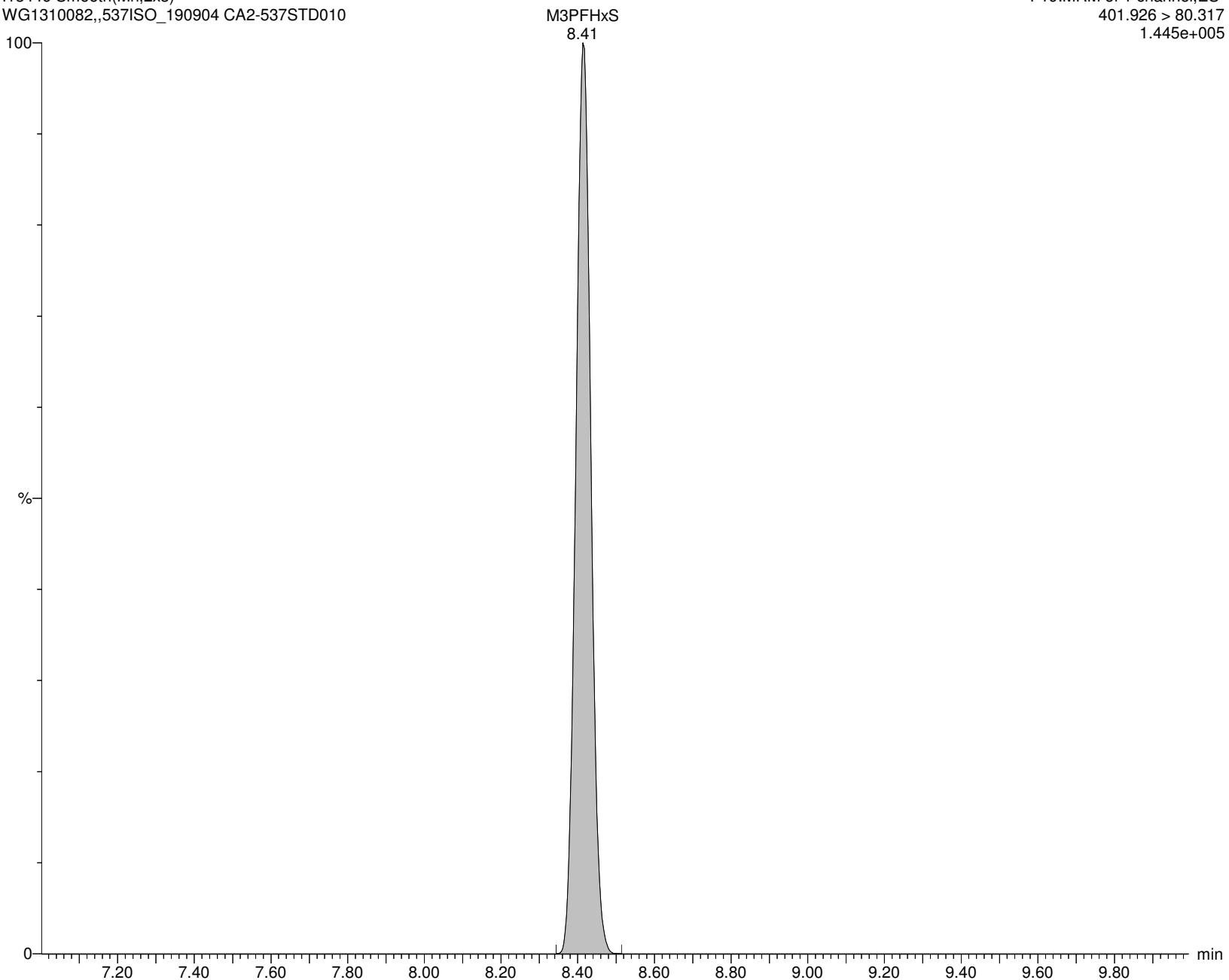
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F19:MRM of 1 channel,ES-

401.926 > 80.317

1.445e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

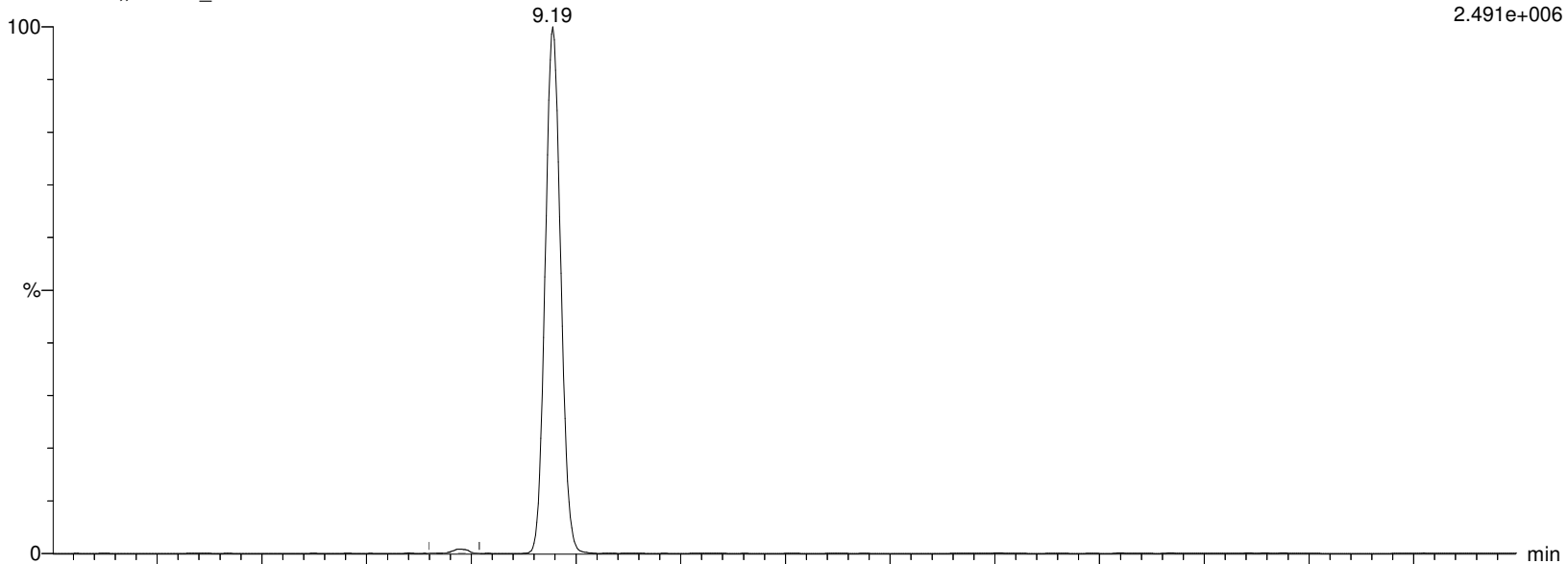
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.491e+006



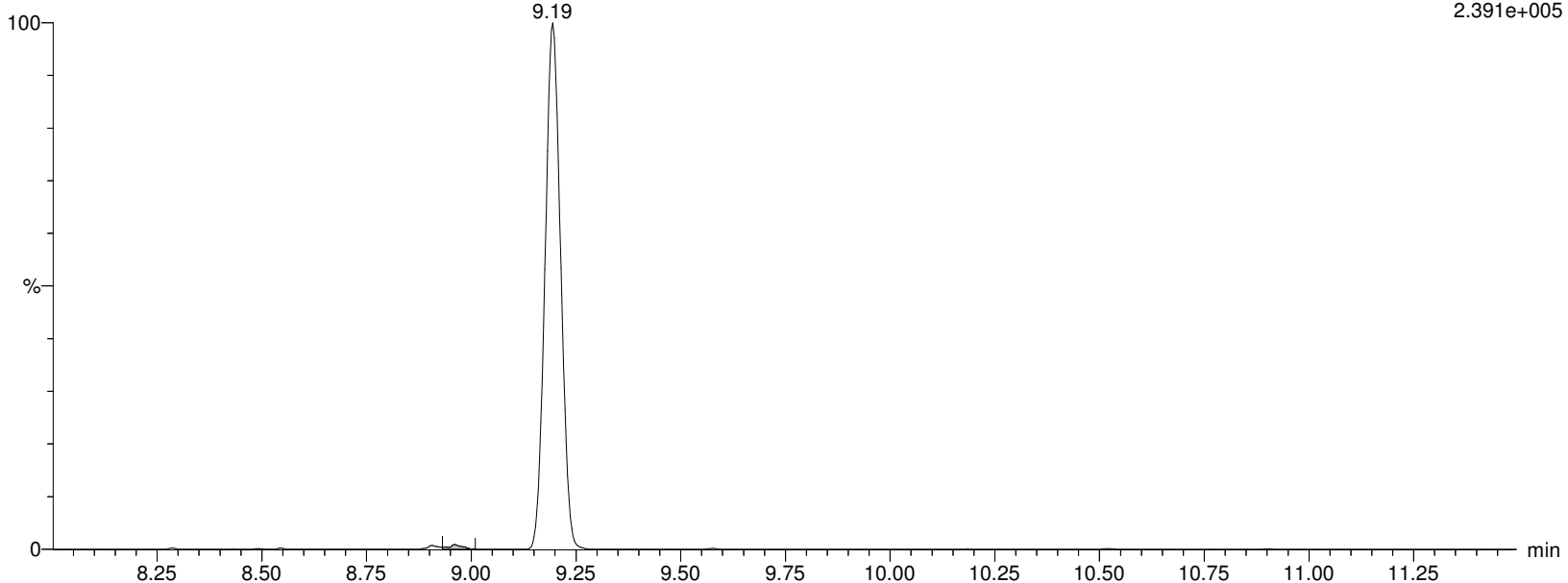
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.391e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

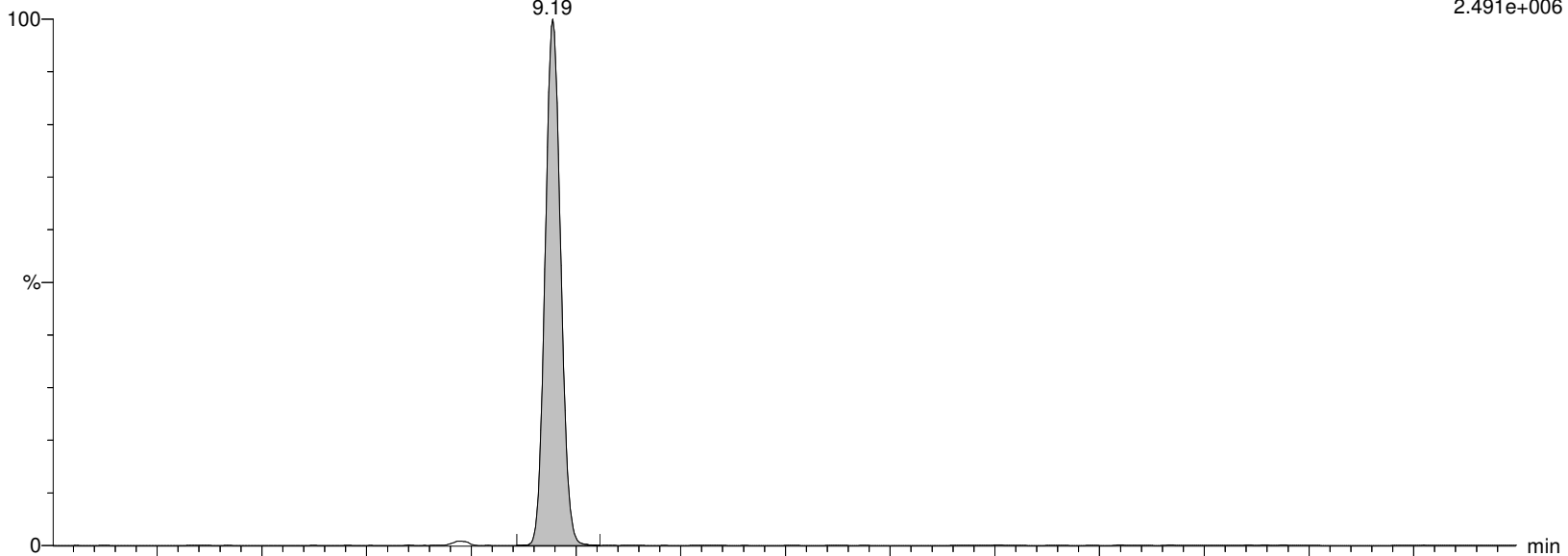
L-PFOA

9.19

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.491e+006



I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

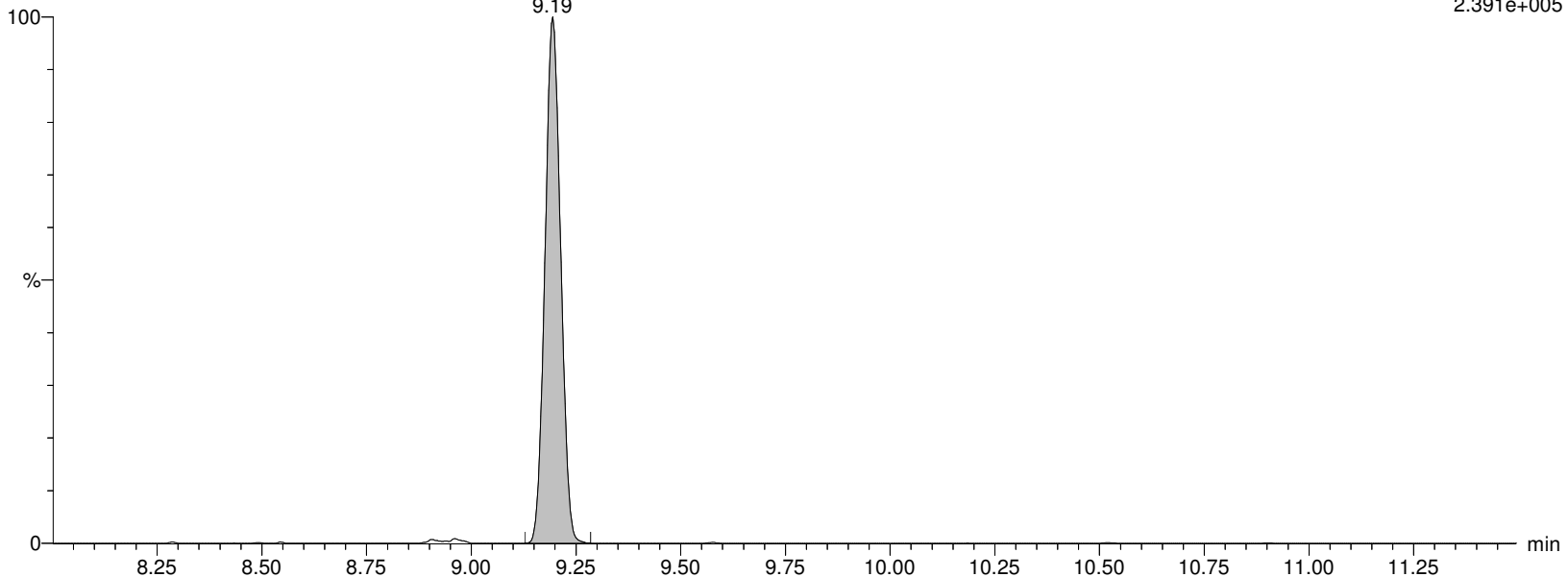
L-PFOA

9.19

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.391e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

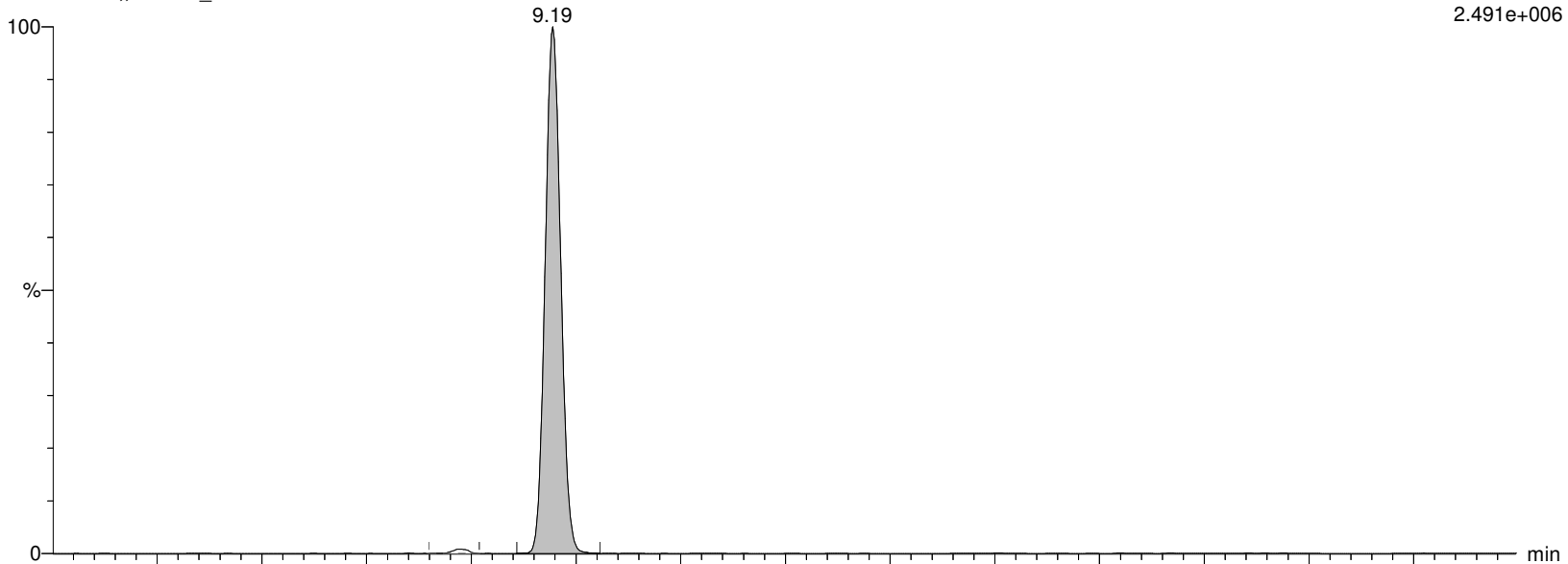
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.491e+006



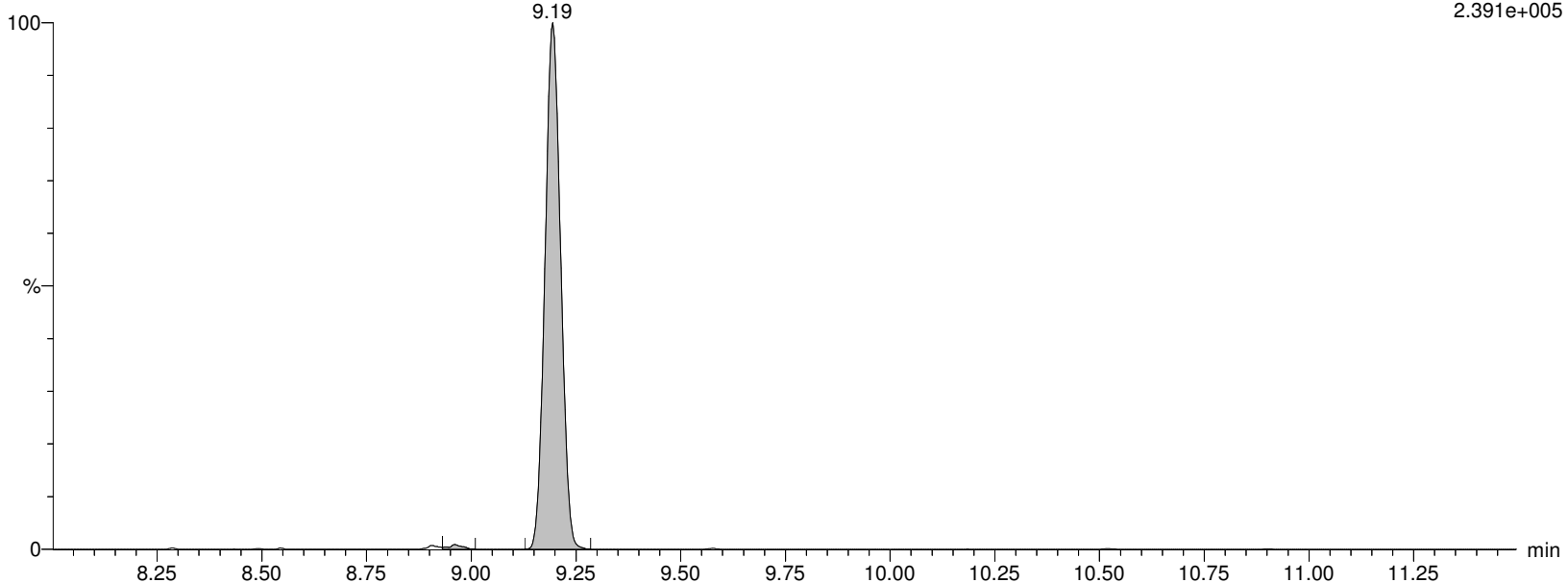
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.391e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

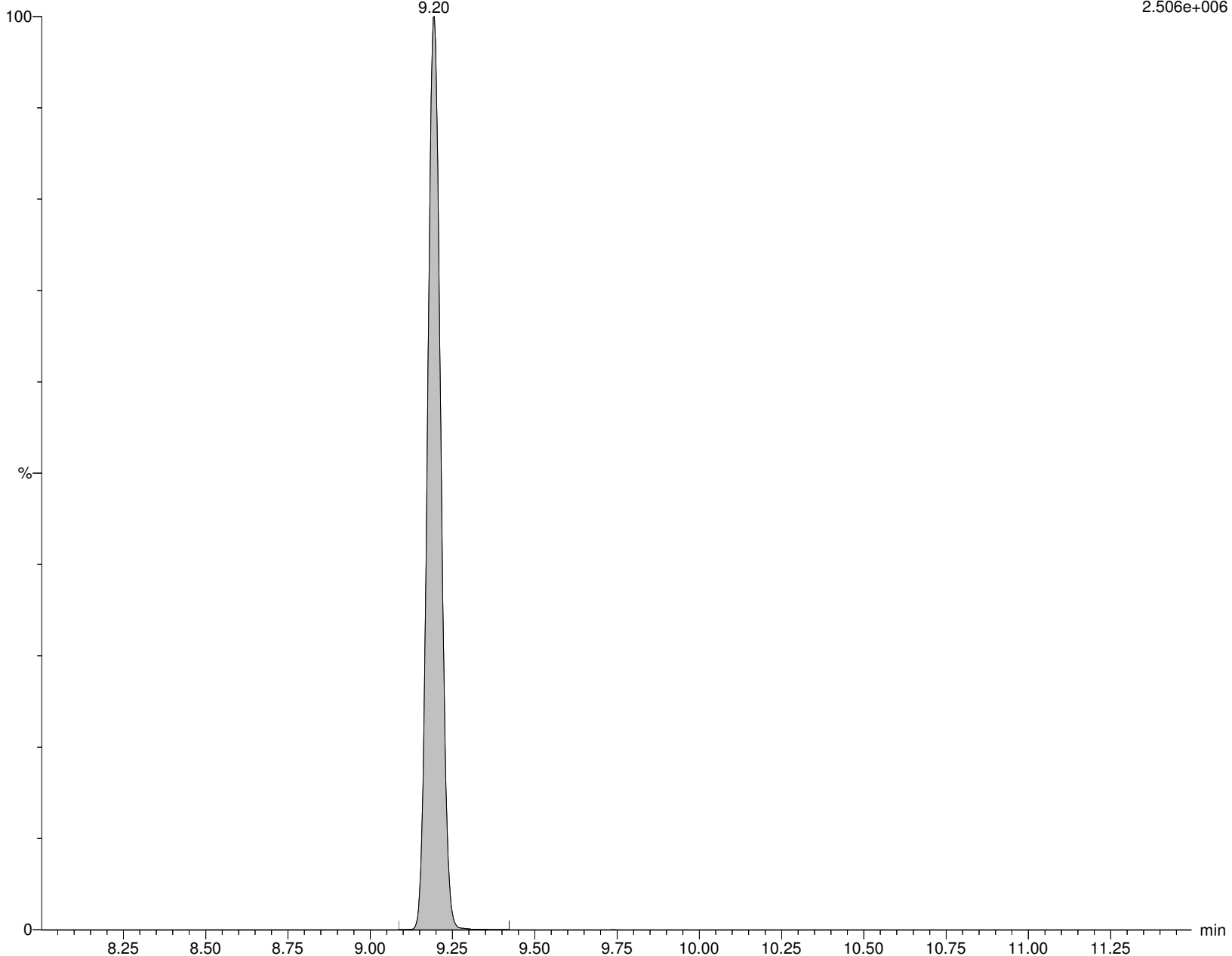
M8PFOA

9.20

F22:MRM of 1 channel,ES-

420.989 > 375.979

2.506e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

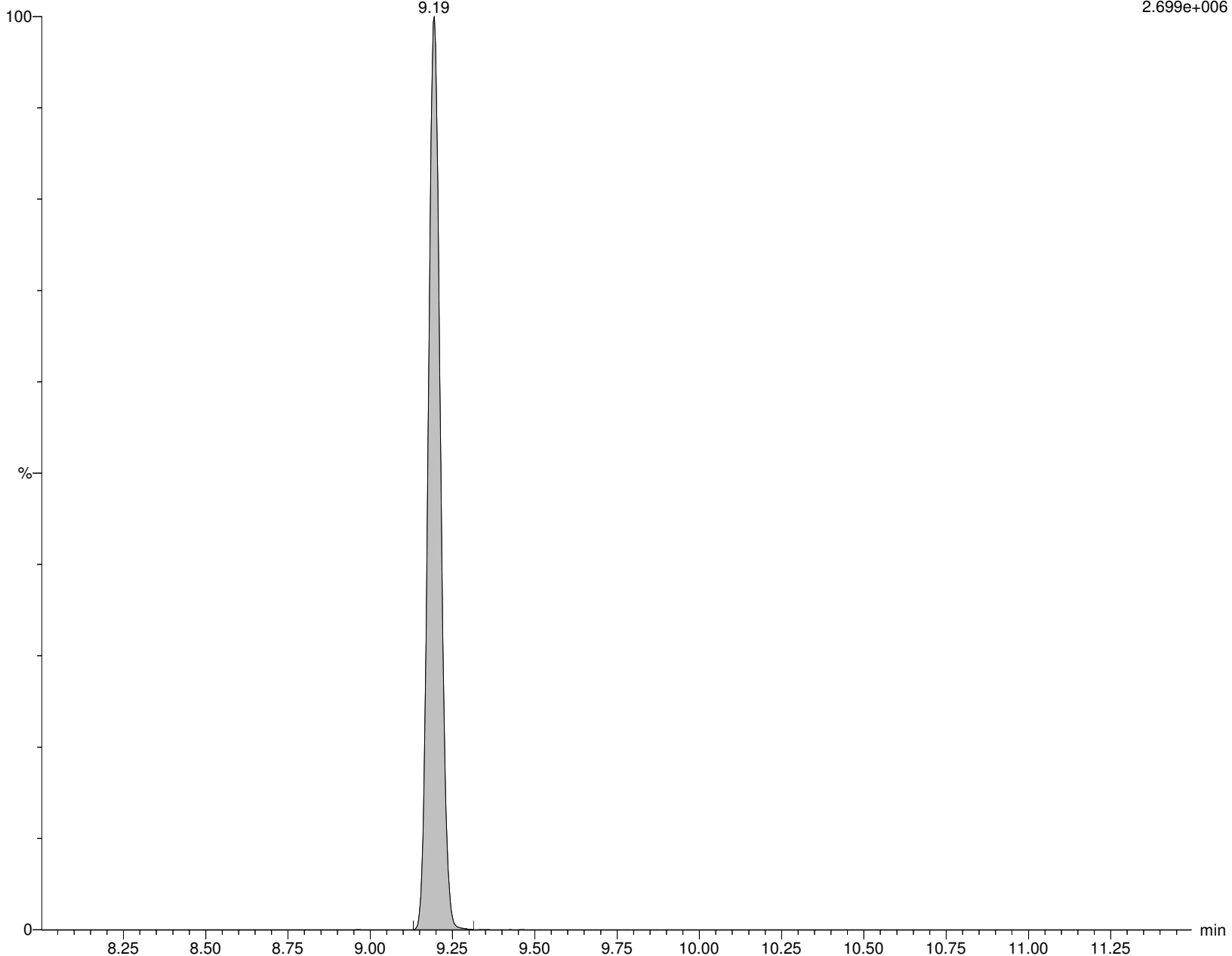
M2PFOA

9.19

F21:MRM of 1 channel,ES-

415.032 > 369.968

2.699e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

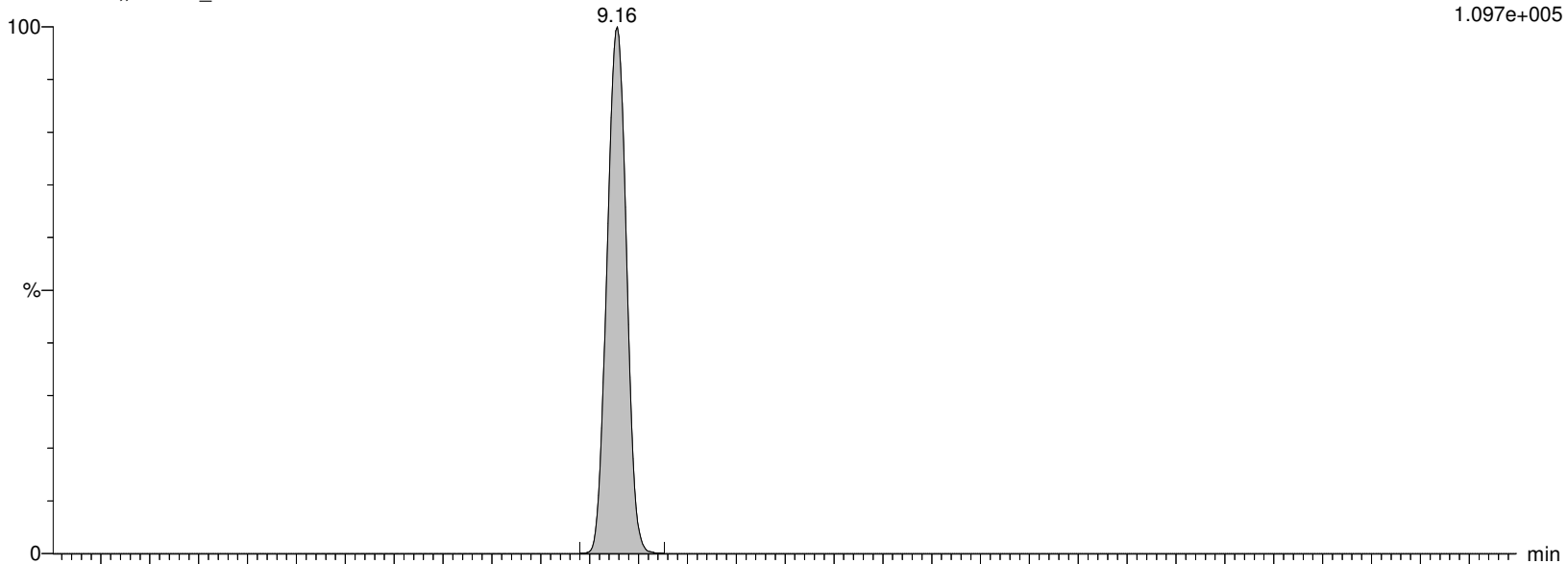
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F23:MRM of 3 channels,ES-

426.989 > 406.921

1.097e+005



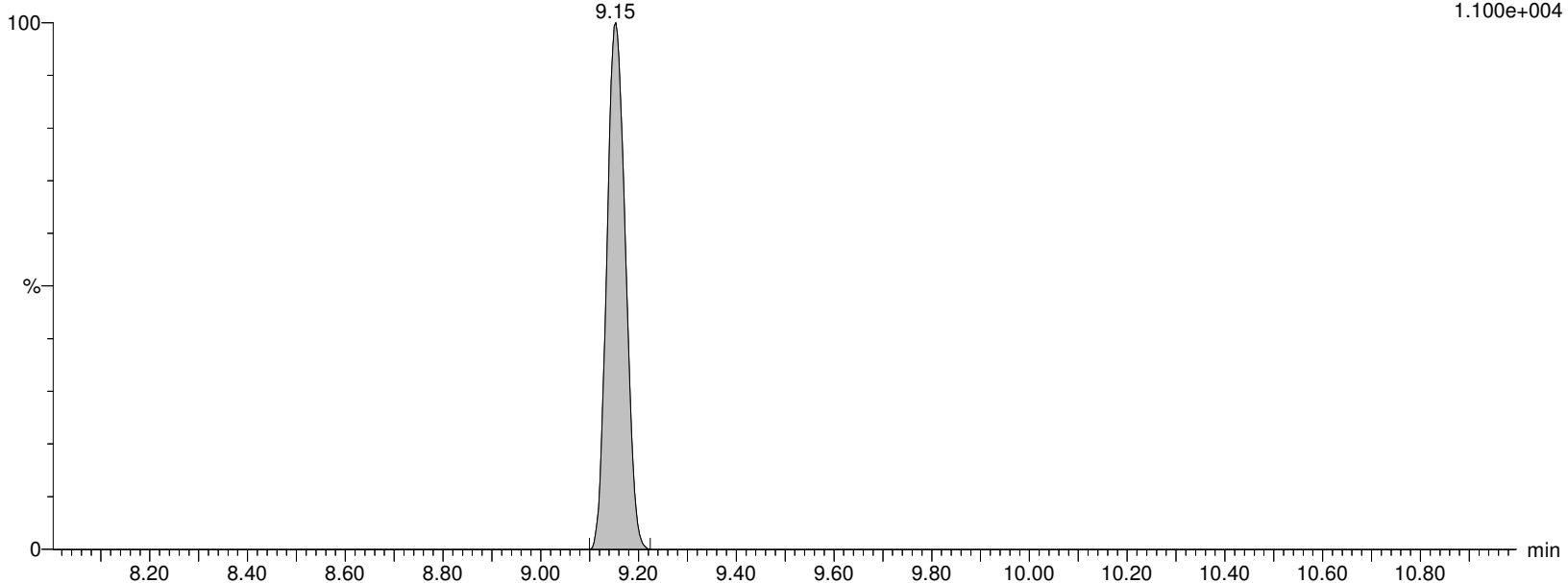
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F23:MRM of 3 channels,ES-

426.862 > 80.5

1.100e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

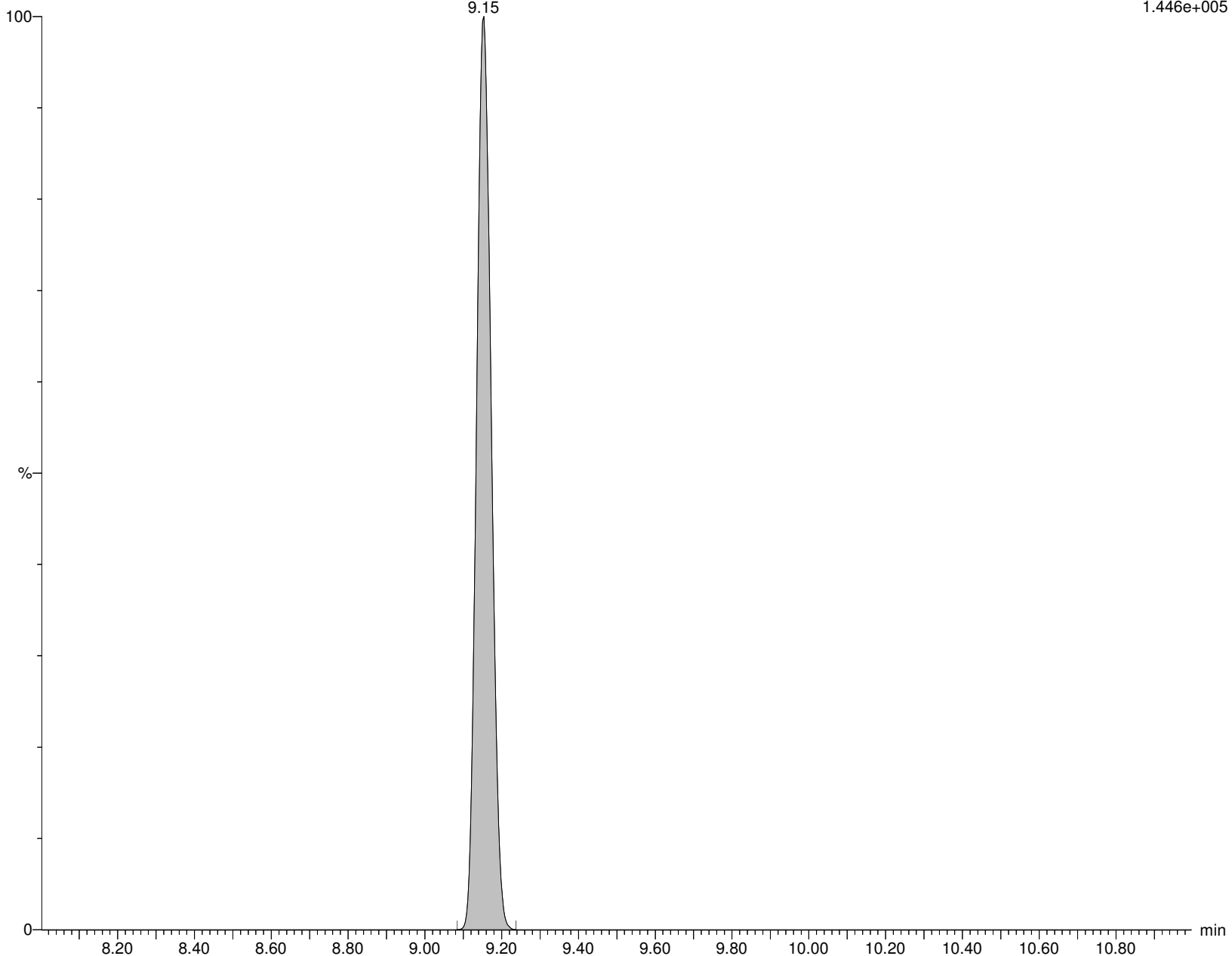
M2-6:2FTS

9.15

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.446e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

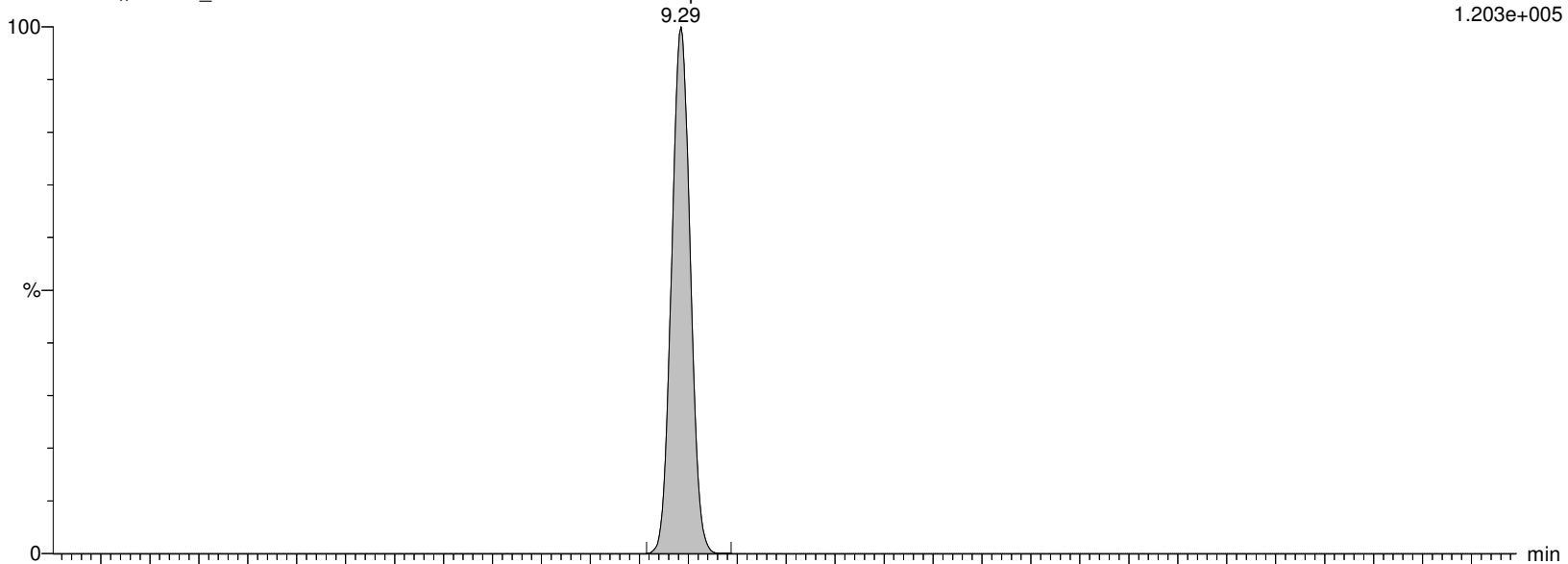
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.203e+005



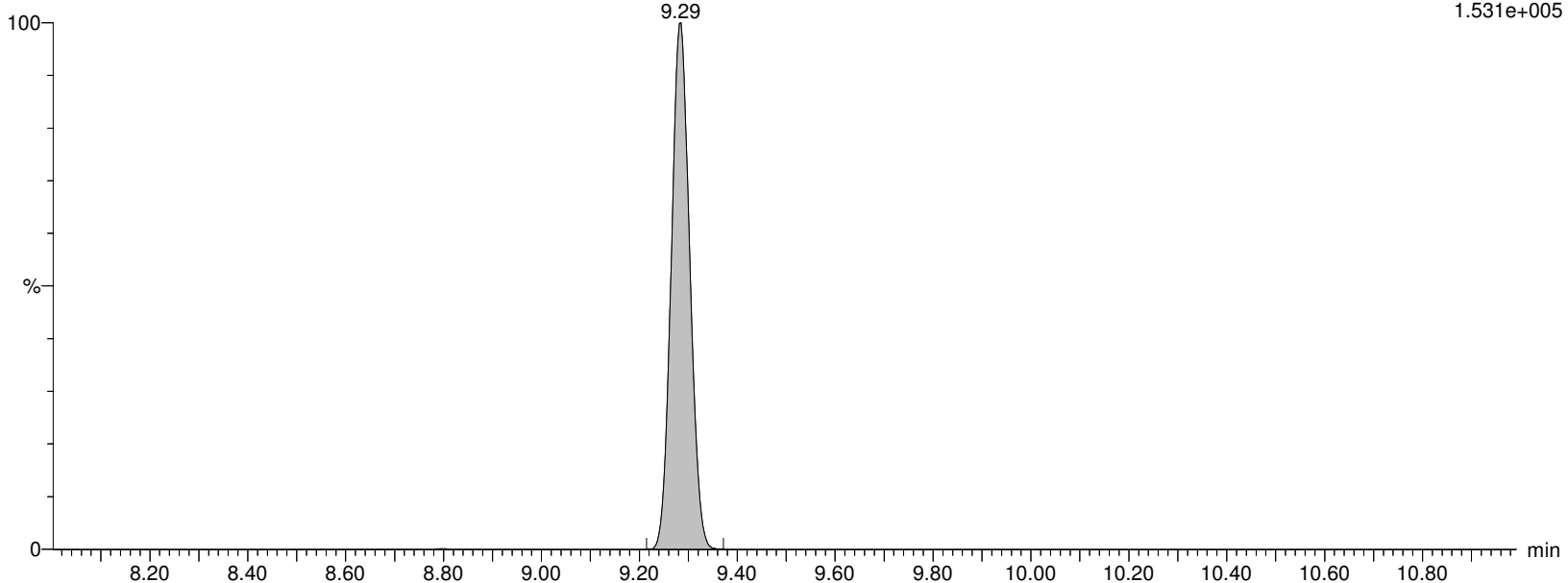
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.531e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

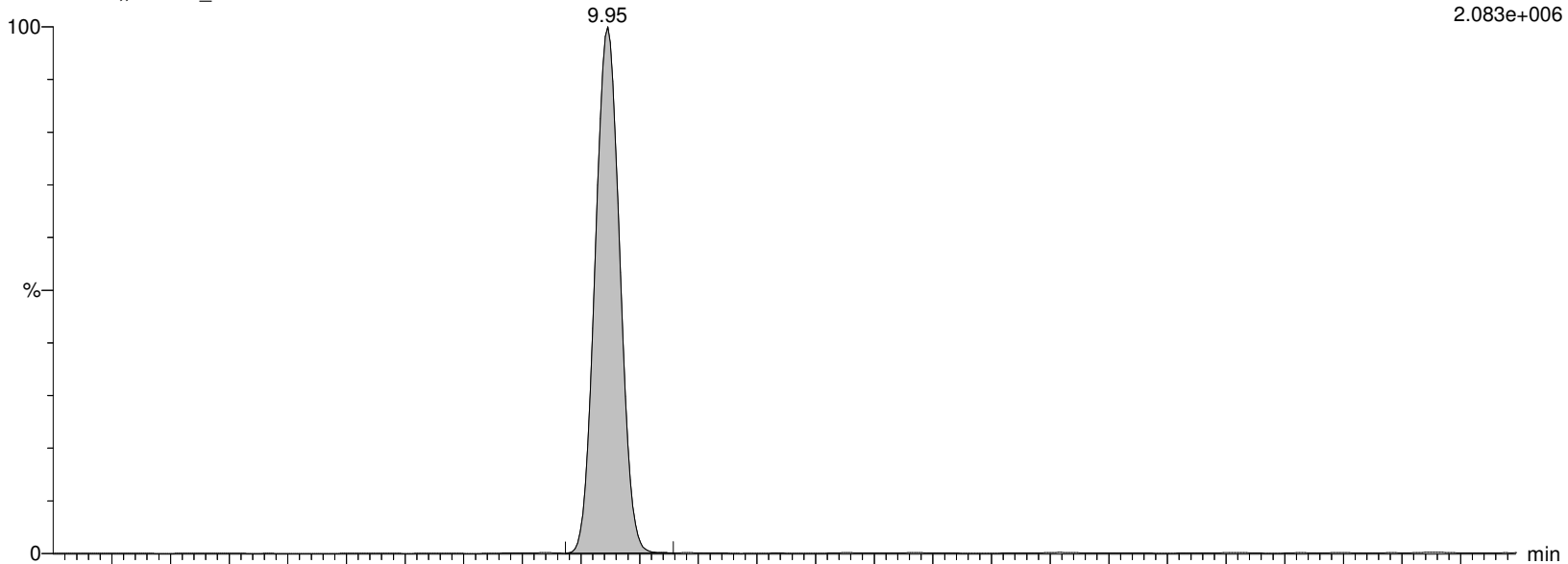
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F26:MRM of 2 channels,ES-

462.989 > 418.931

2.083e+006



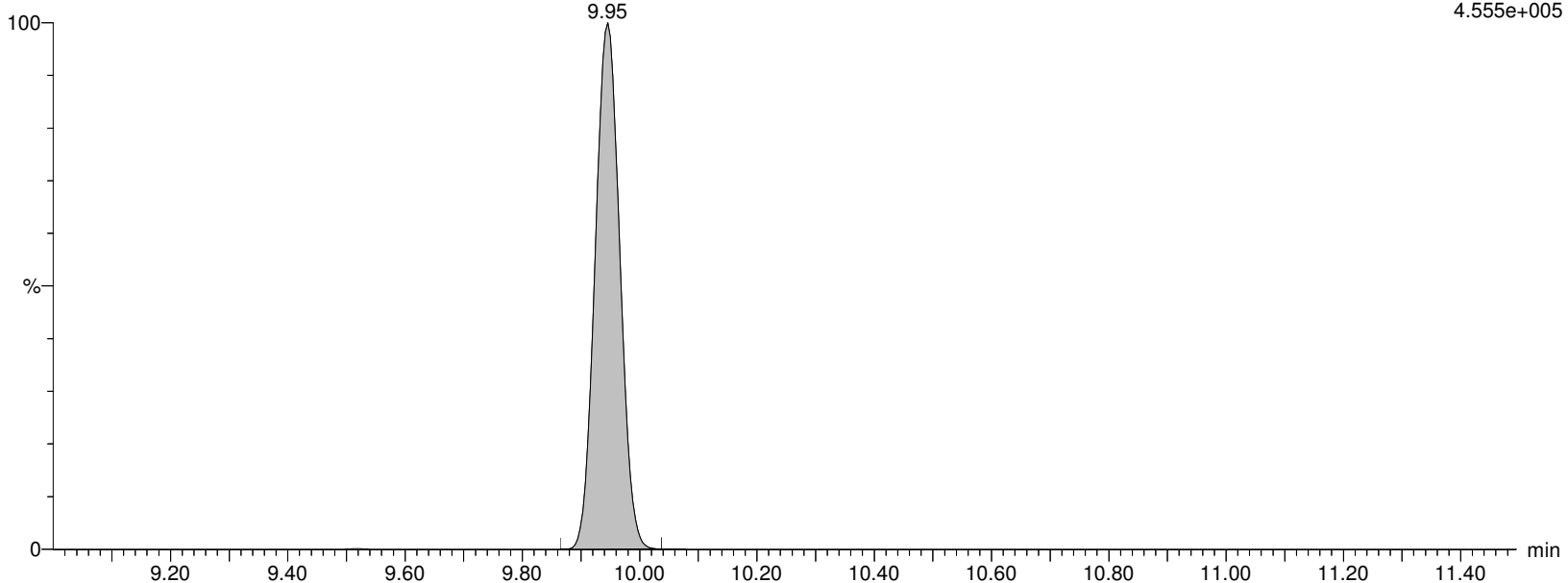
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F26:MRM of 2 channels,ES-

462.989 > 219.04

4.555e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M9PFNA

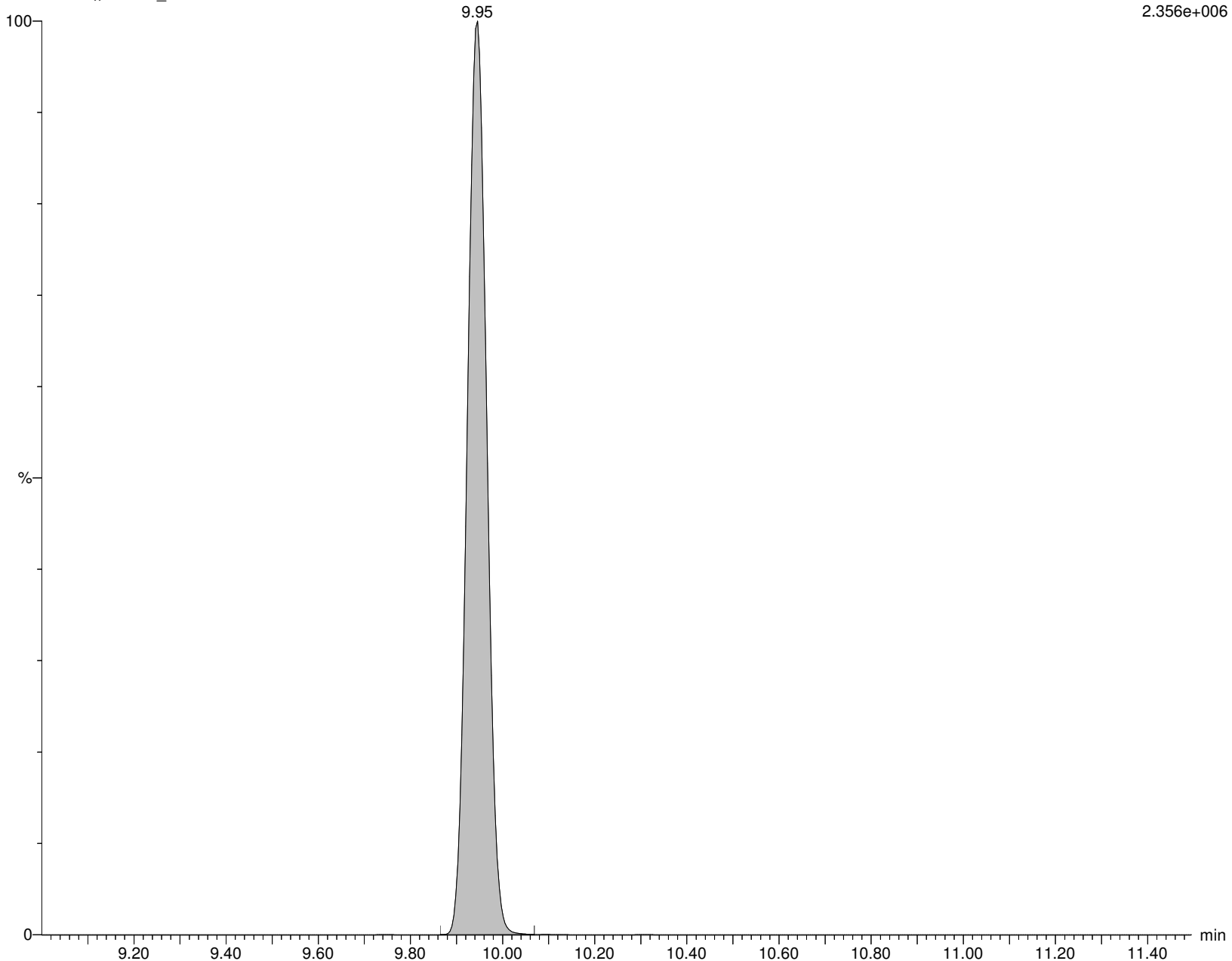
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.356e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

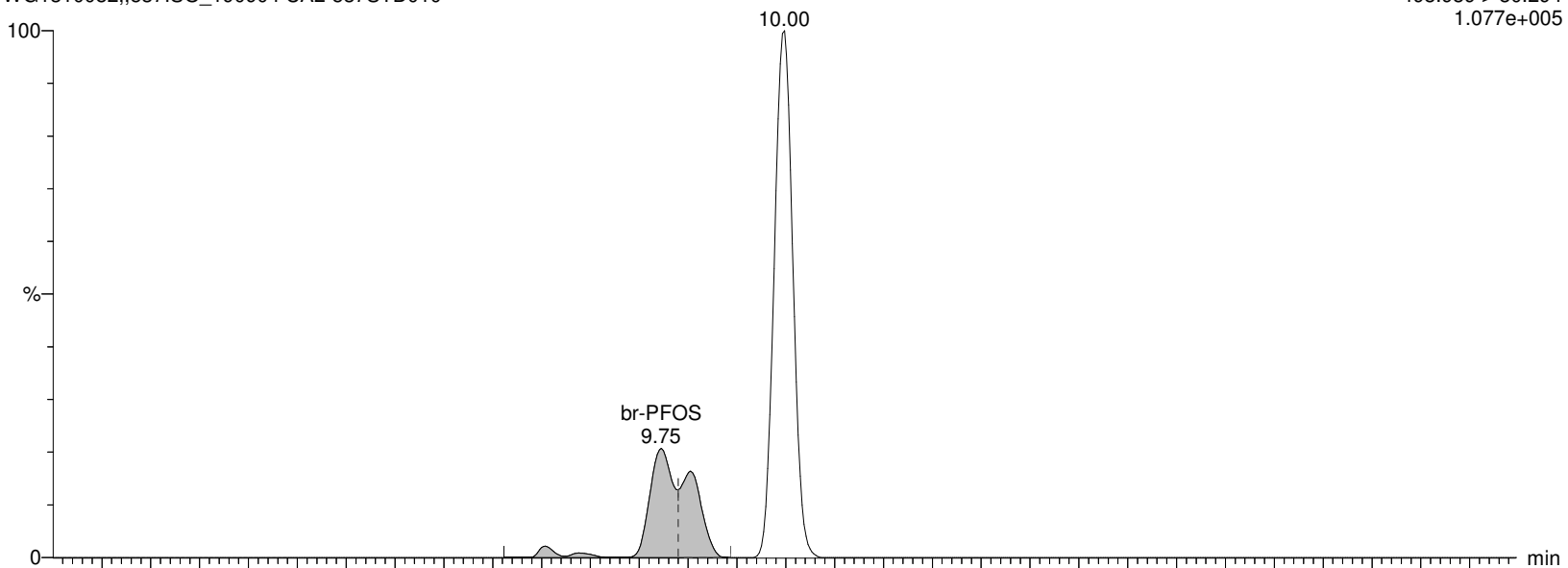
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.077e+005



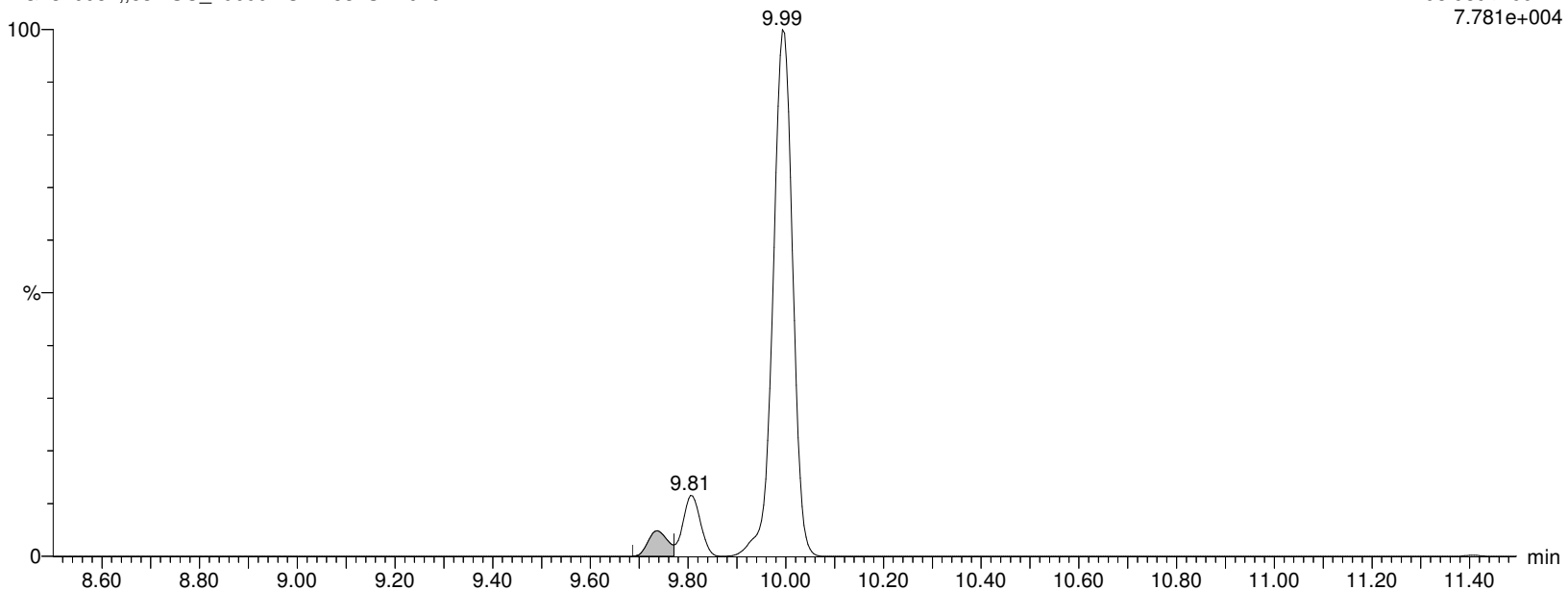
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 99.27

7.781e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

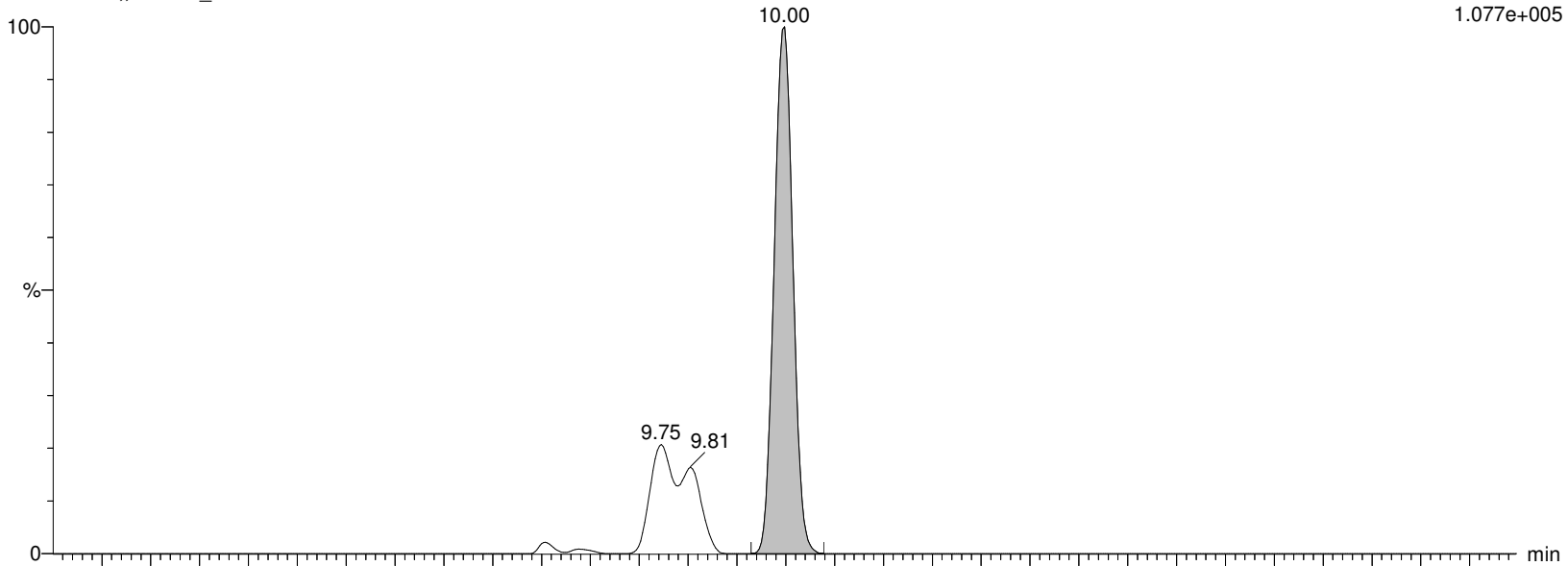
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.077e+005



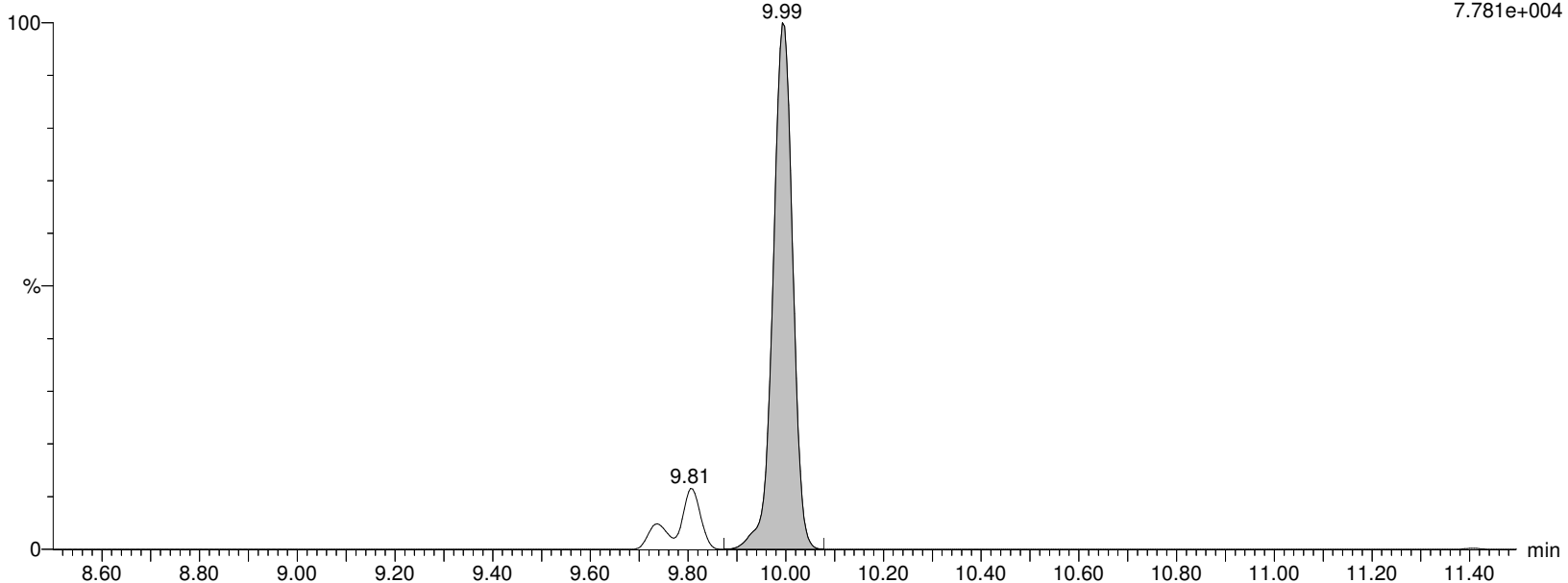
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 99.27

7.781e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

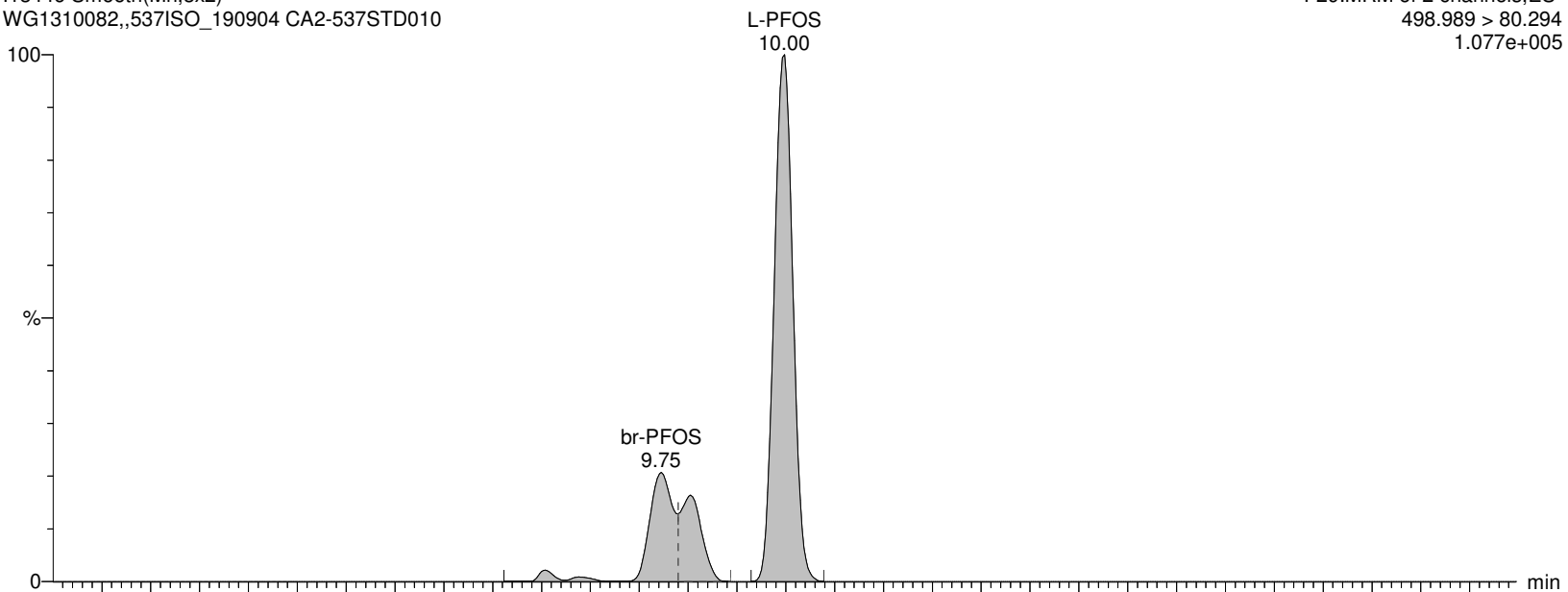
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.077e+005



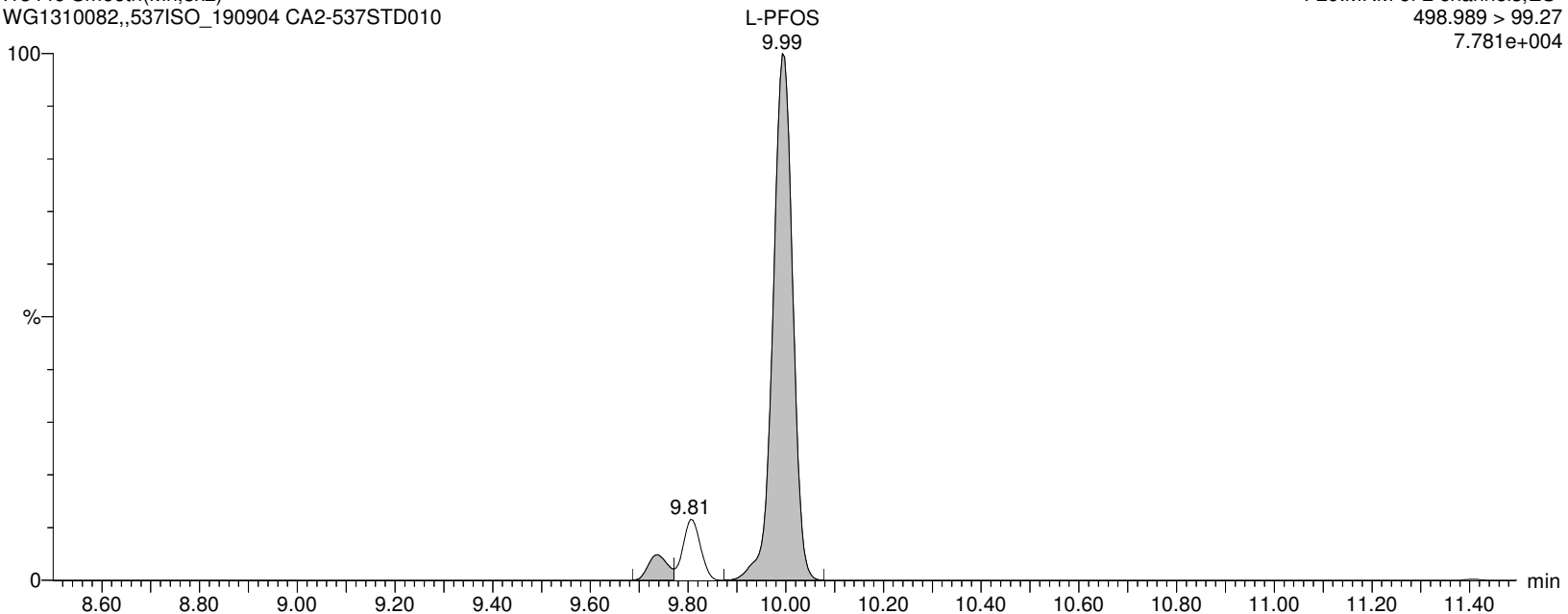
I13446 Smooth(Mn,3x2)

WG1310082,,537ISO_190904 CA2-537STD010

F29:MRM of 2 channels,ES-

498.989 > 99.27

7.781e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

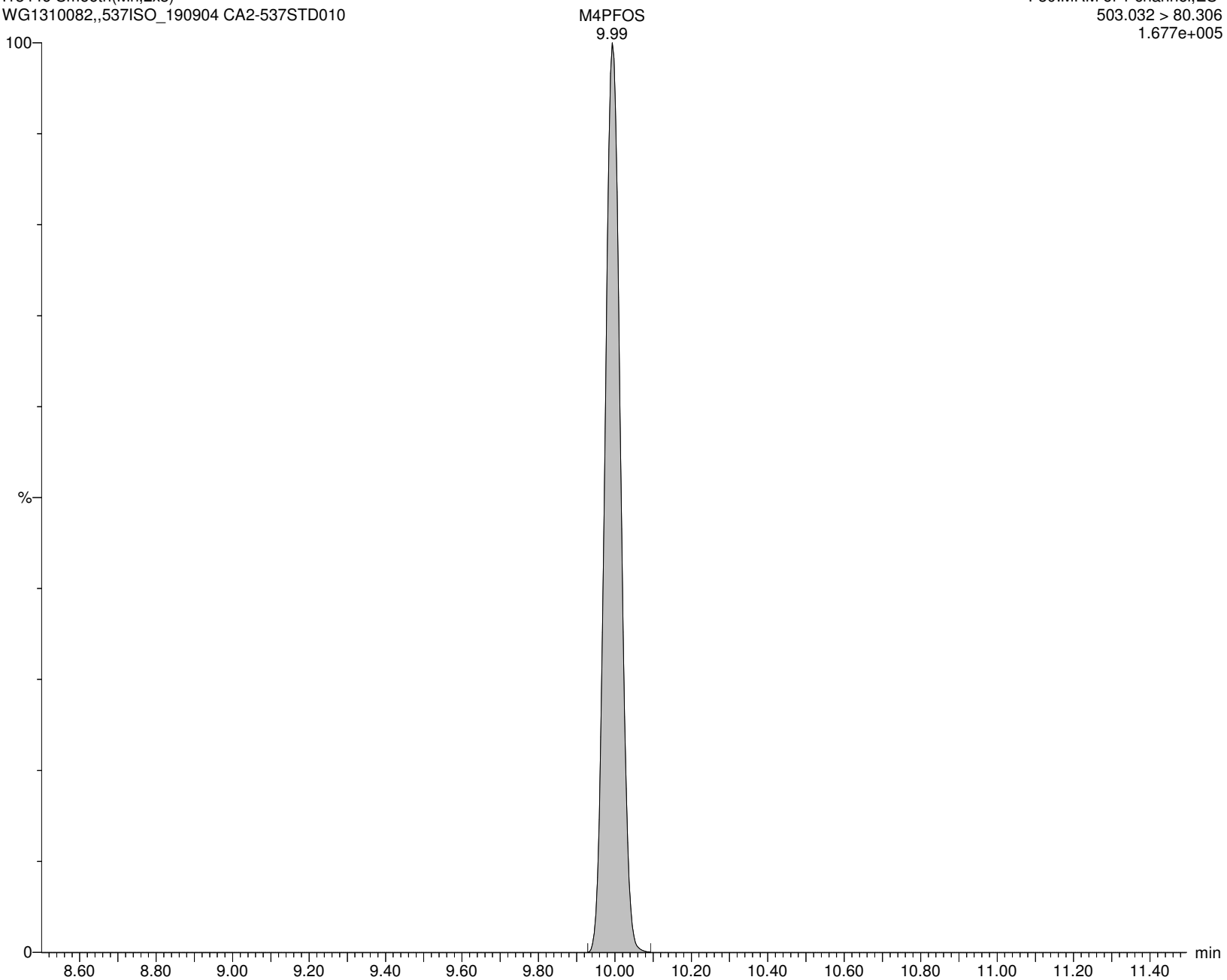
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.677e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

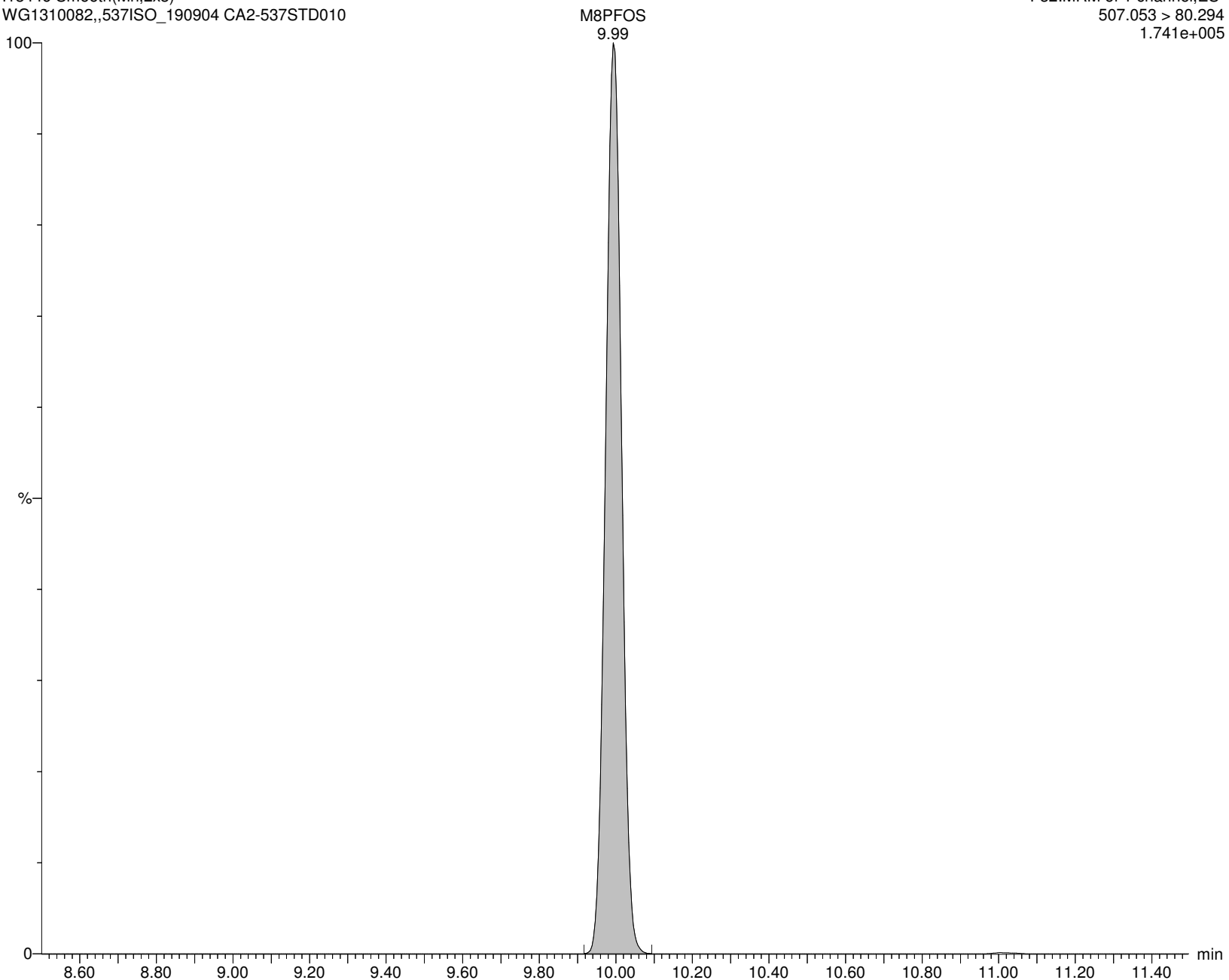
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F32:MRM of 1 channel,ES-

507.053 > 80.294

1.741e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

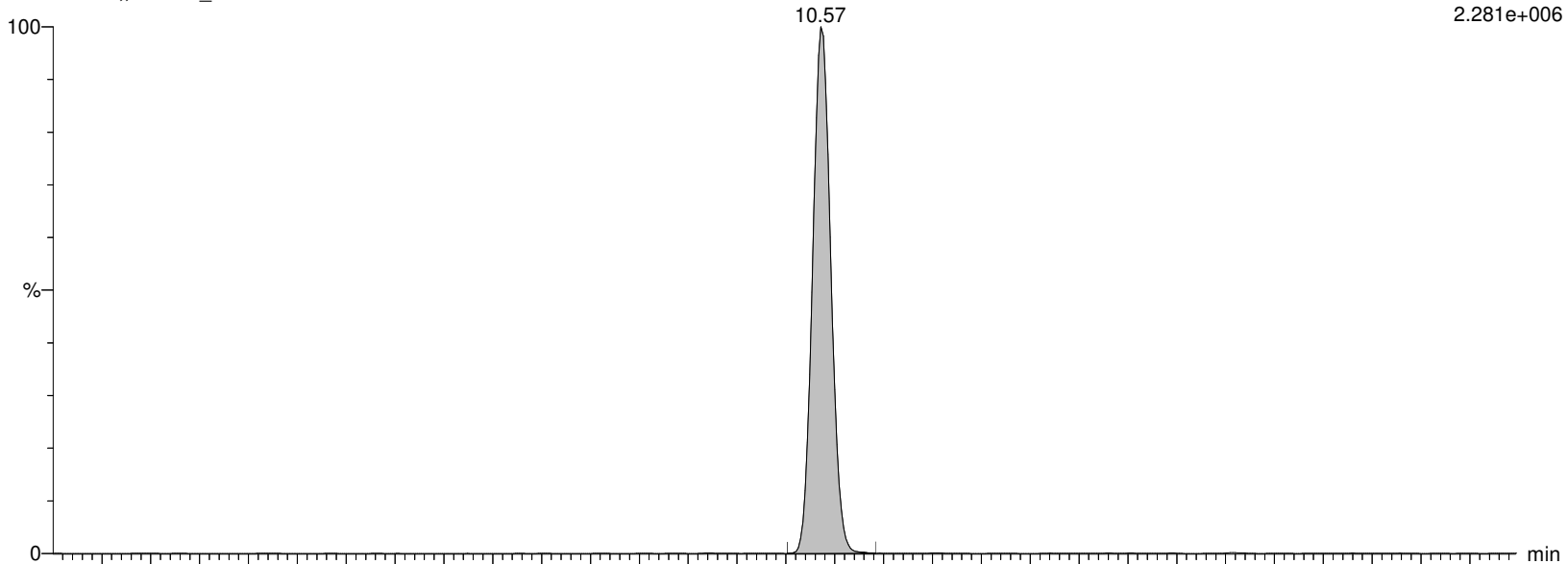
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F34:MRM of 2 channels,ES-

513.053 > 468.906

2.281e+006



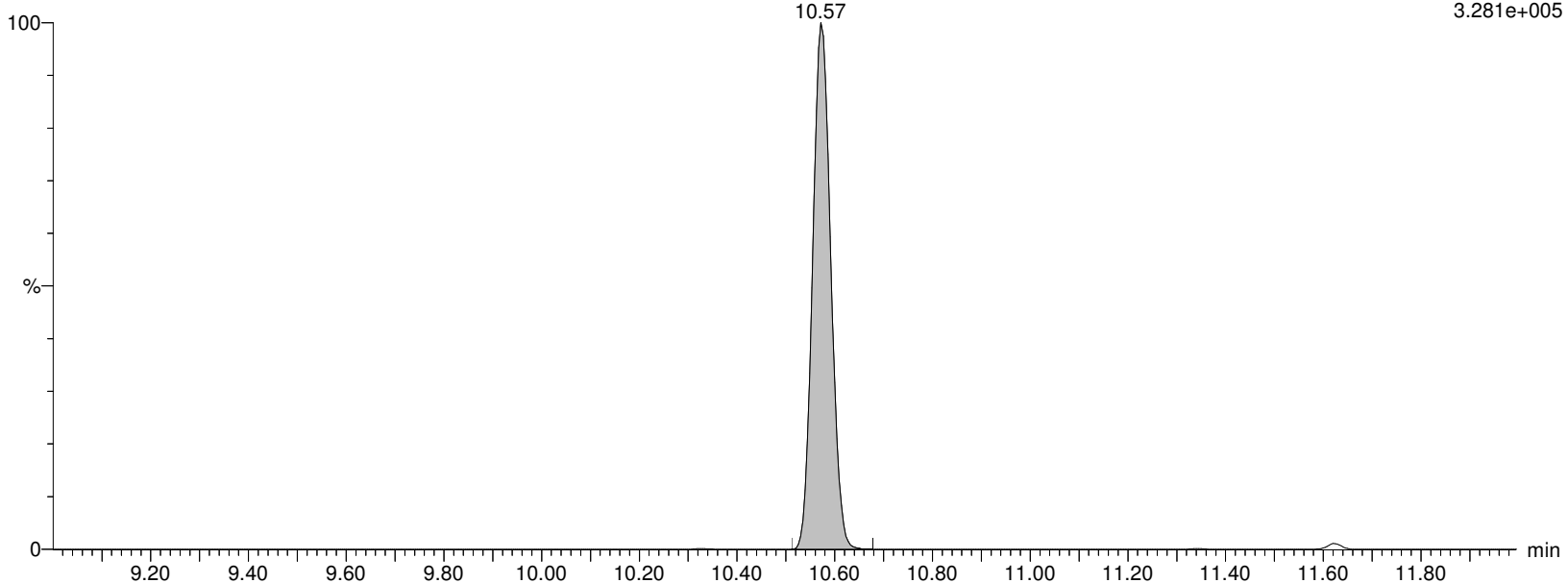
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F34:MRM of 2 channels,ES-

513.053 > 219.08

3.281e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFDA

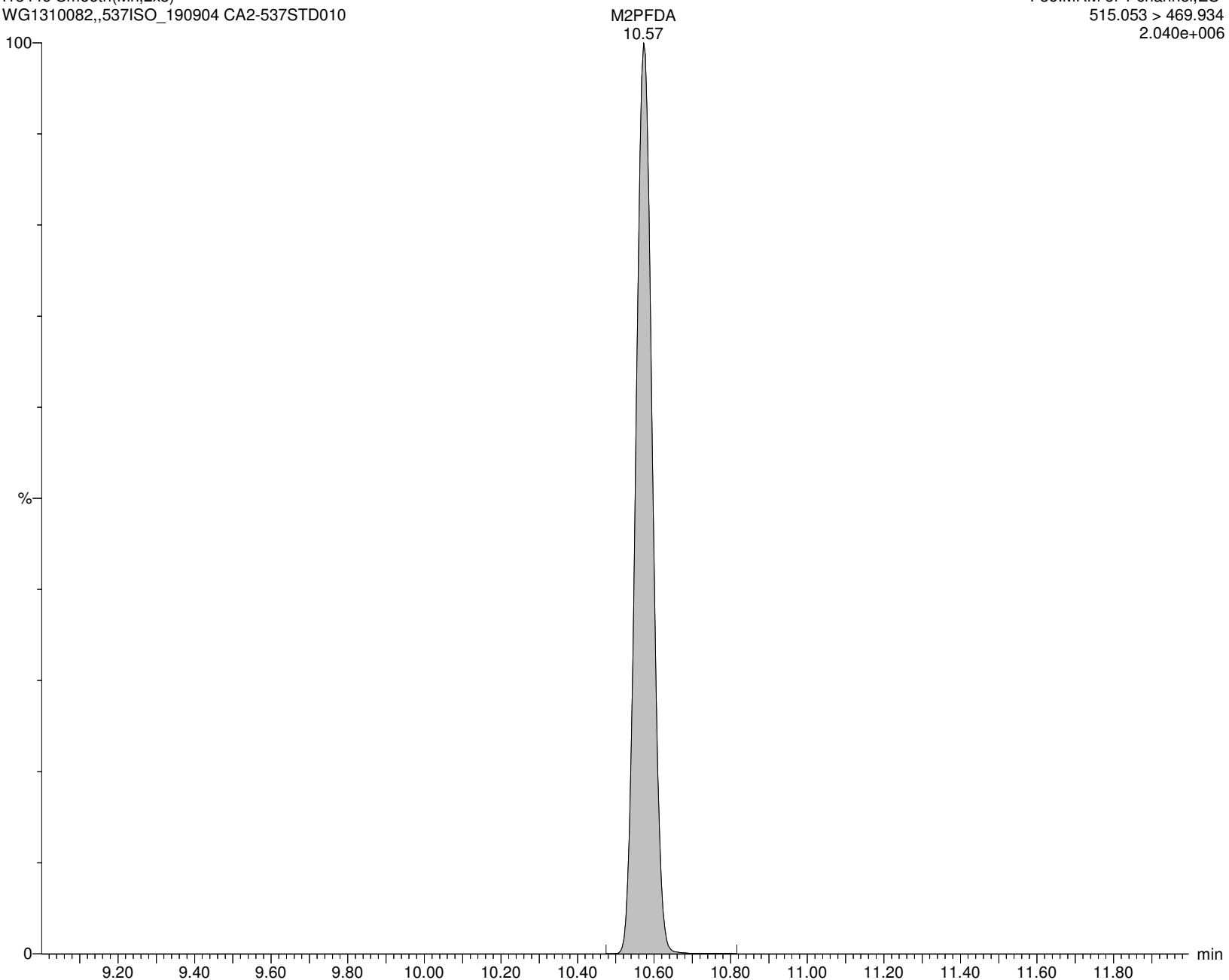
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.040e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

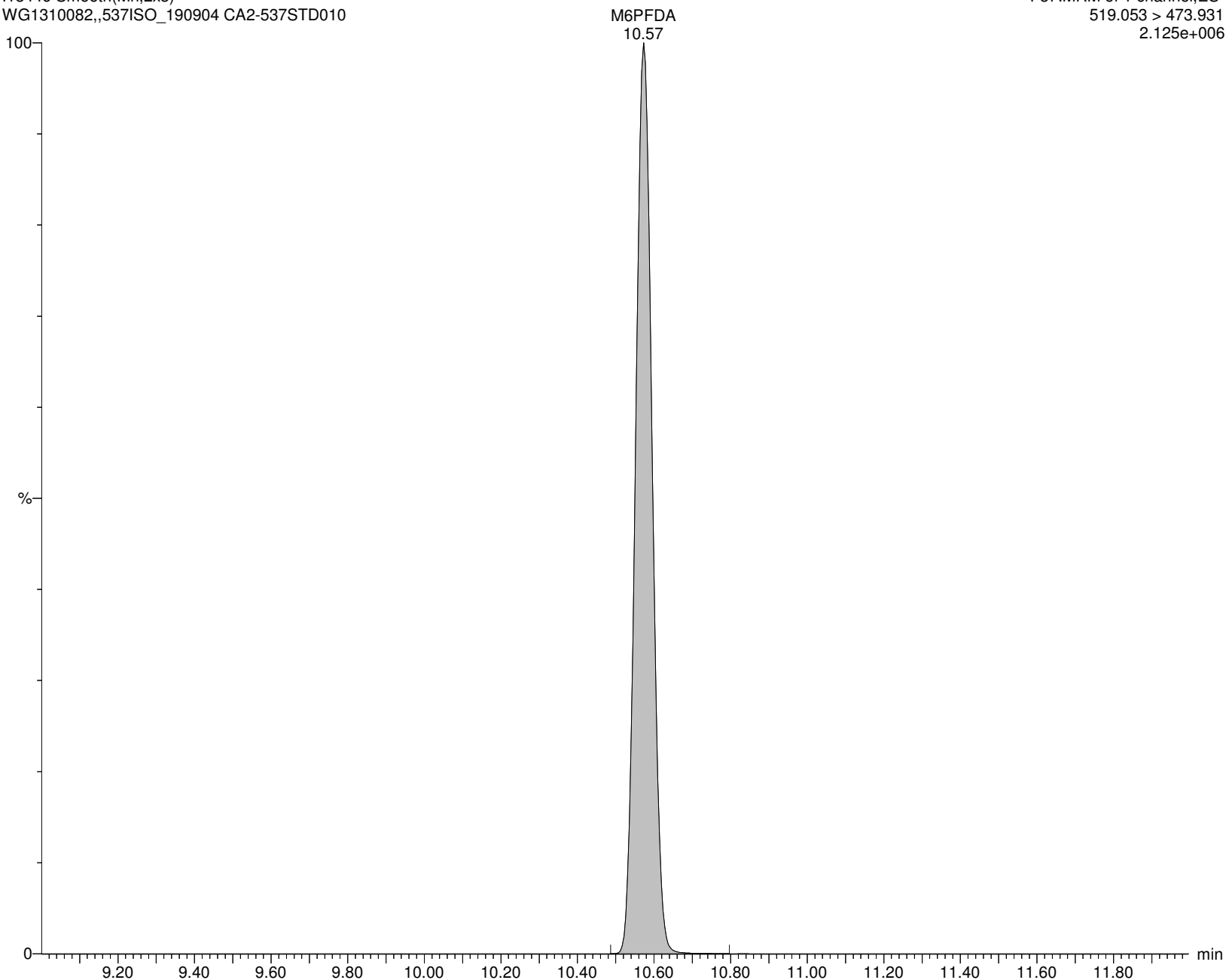
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.125e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

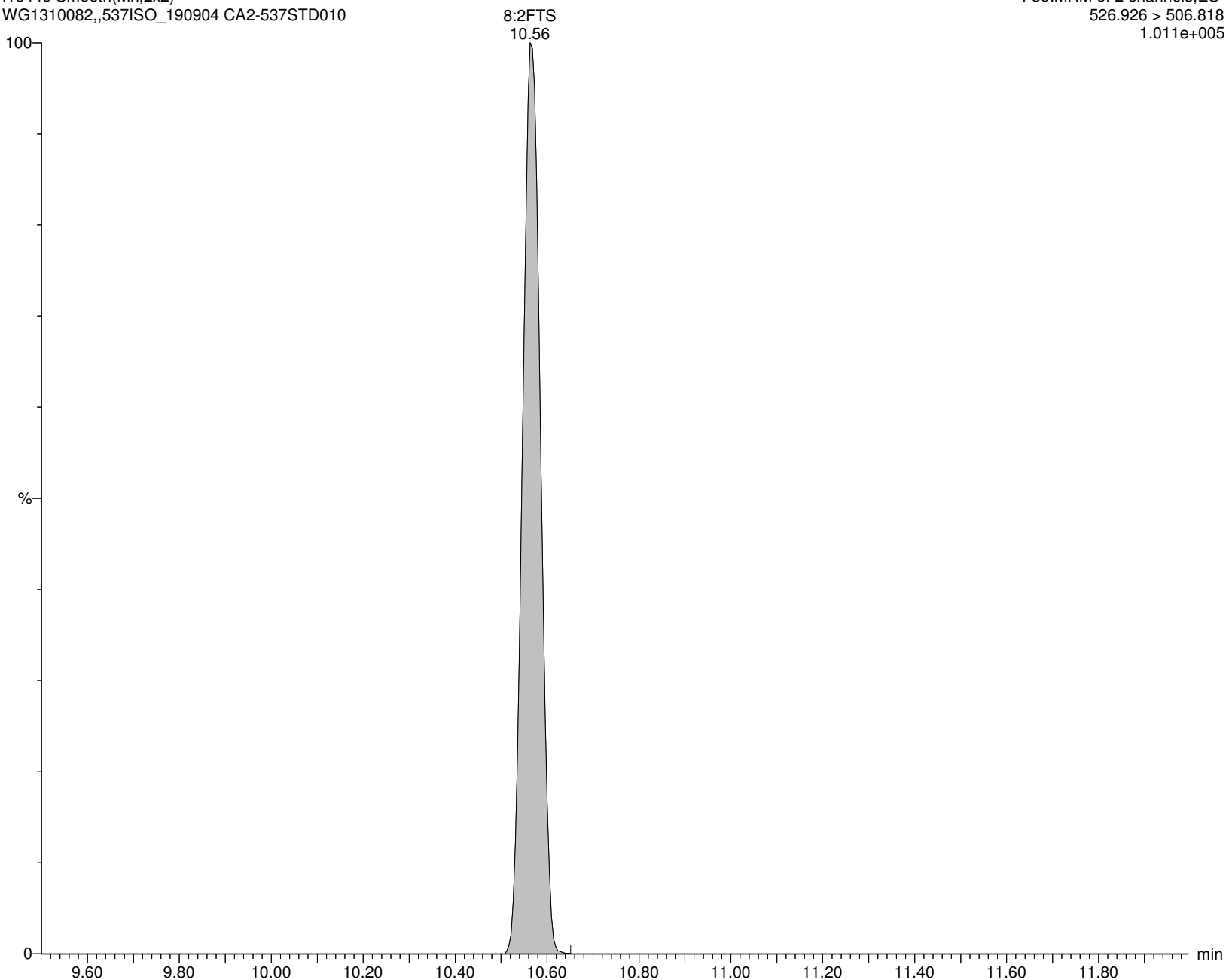
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F39:MRM of 2 channels,ES-

526.926 > 506.818

1.011e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

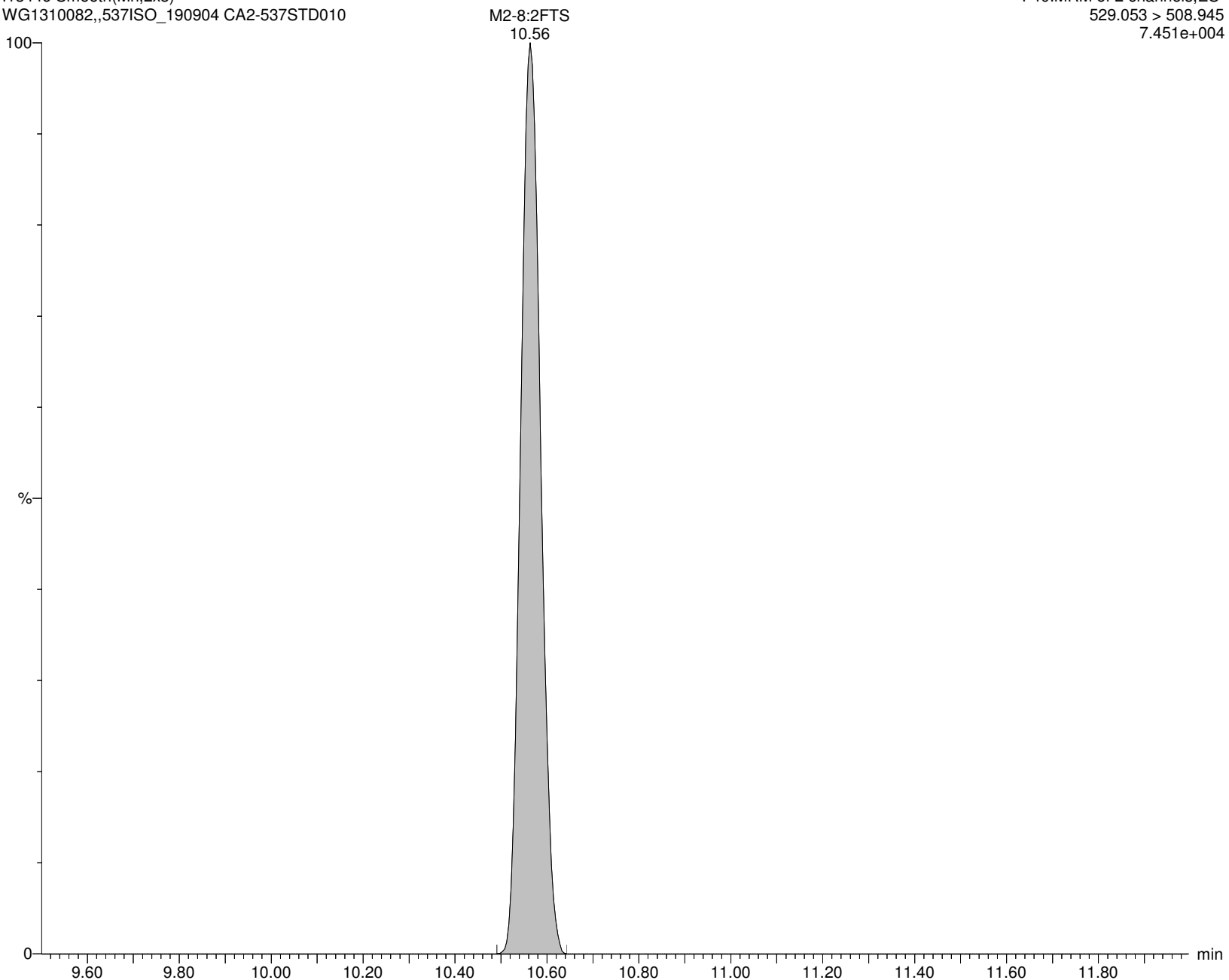
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F40:MRM of 2 channels,ES-

529.053 > 508.945

7.451e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

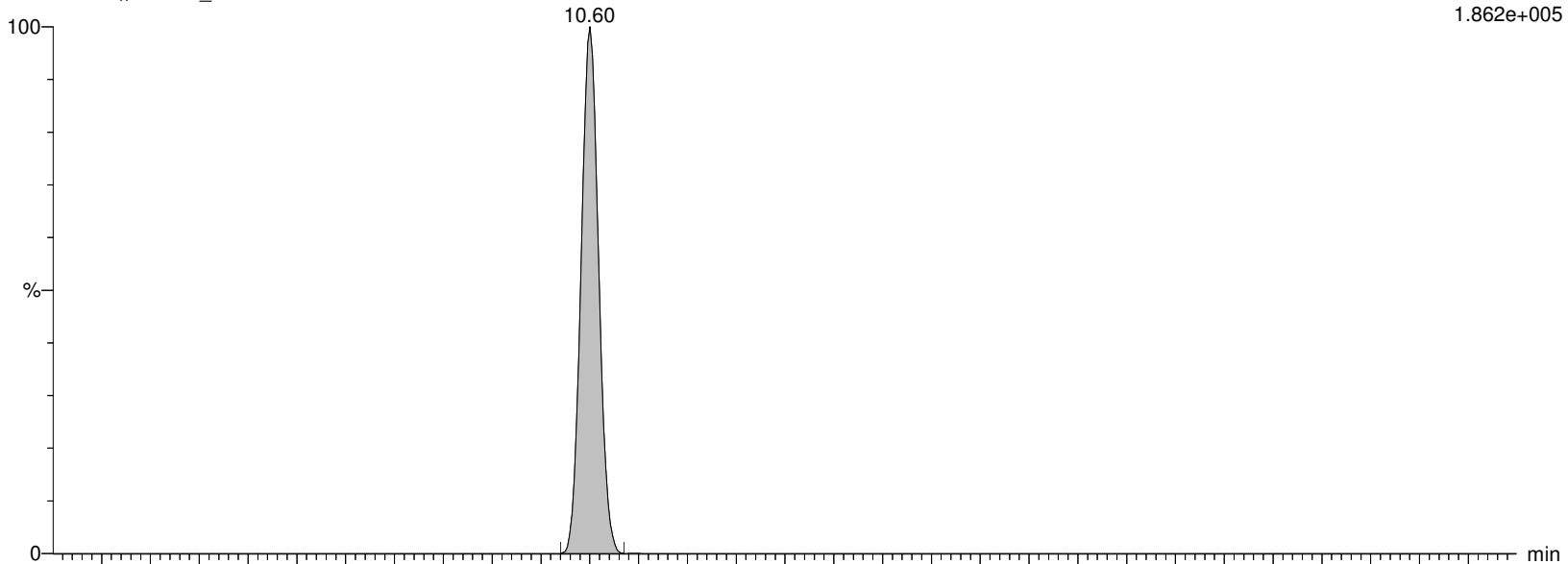
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F43:MRM of 2 channels,ES-

548.989 > 80.249

1.862e+005



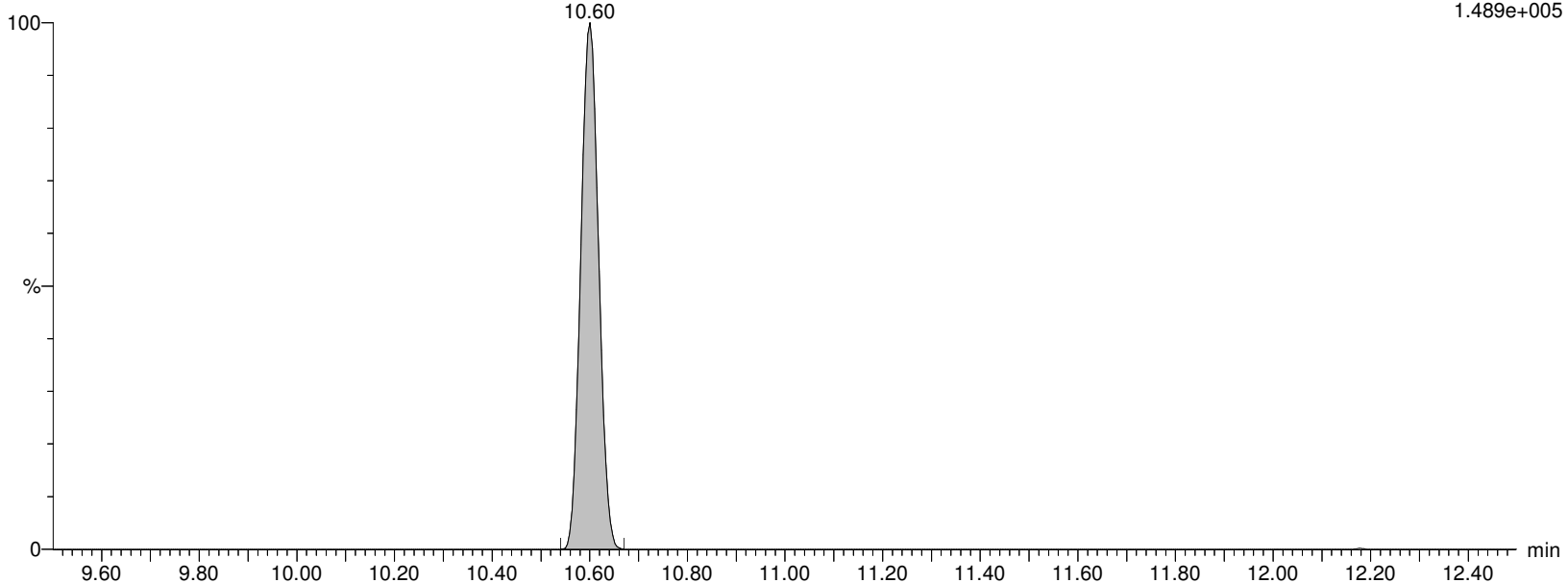
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F43:MRM of 2 channels,ES-

548.989 > 99.22

1.489e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

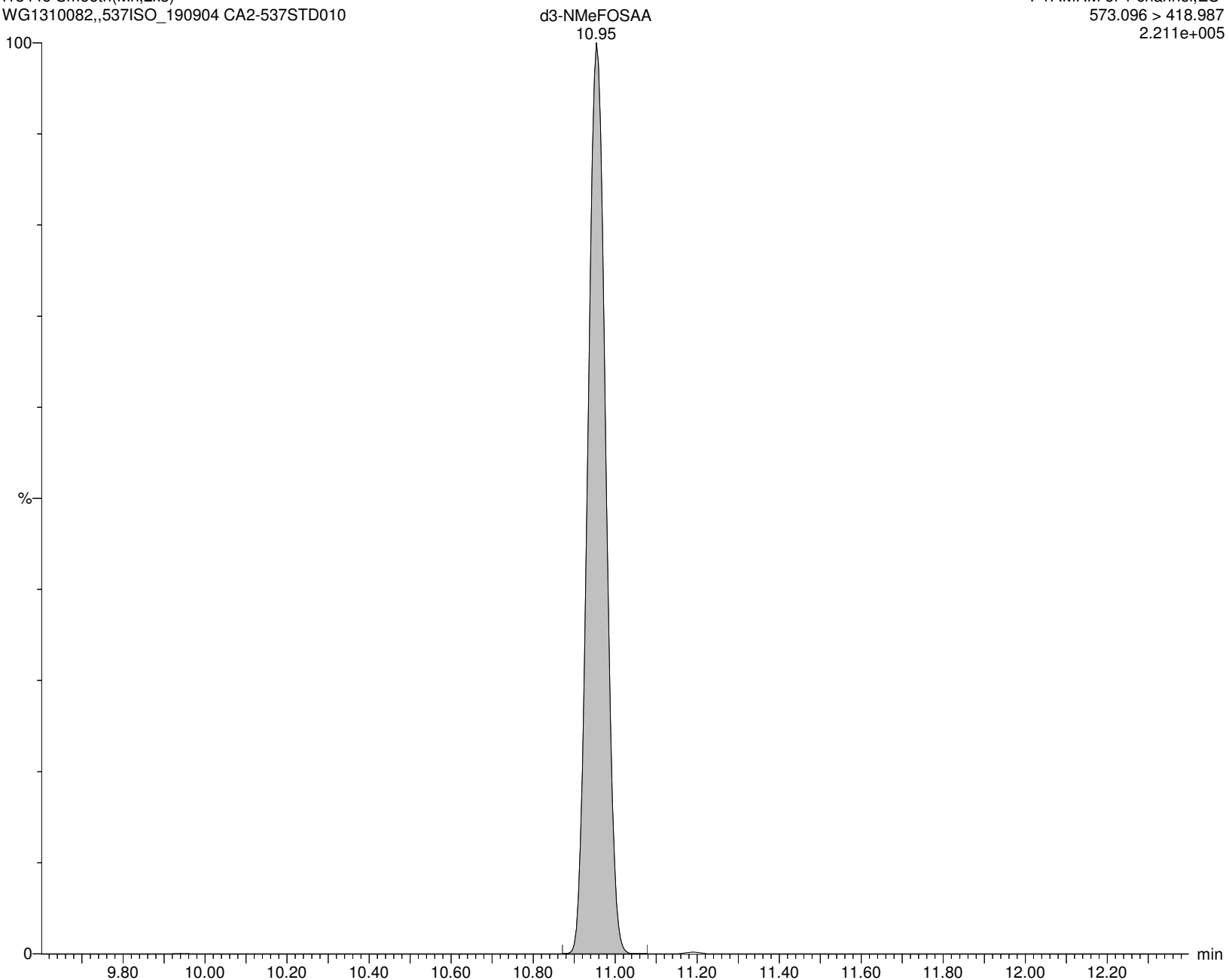
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.211e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

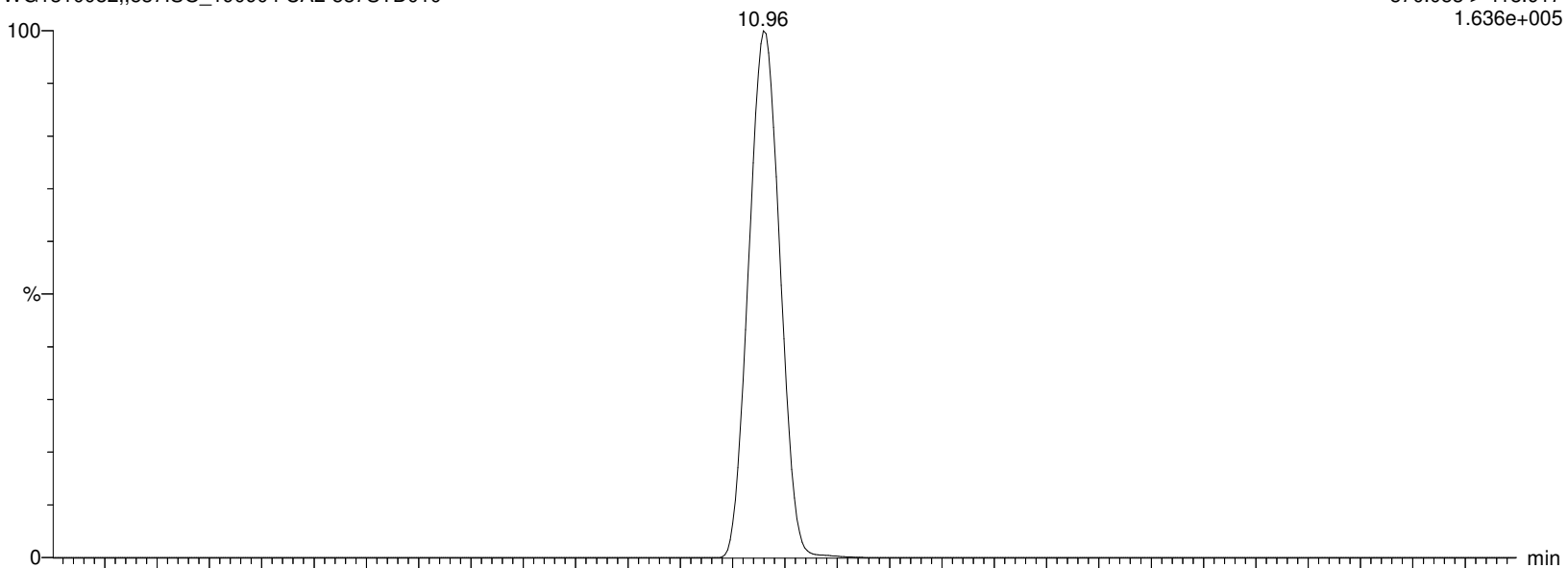
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.636e+005



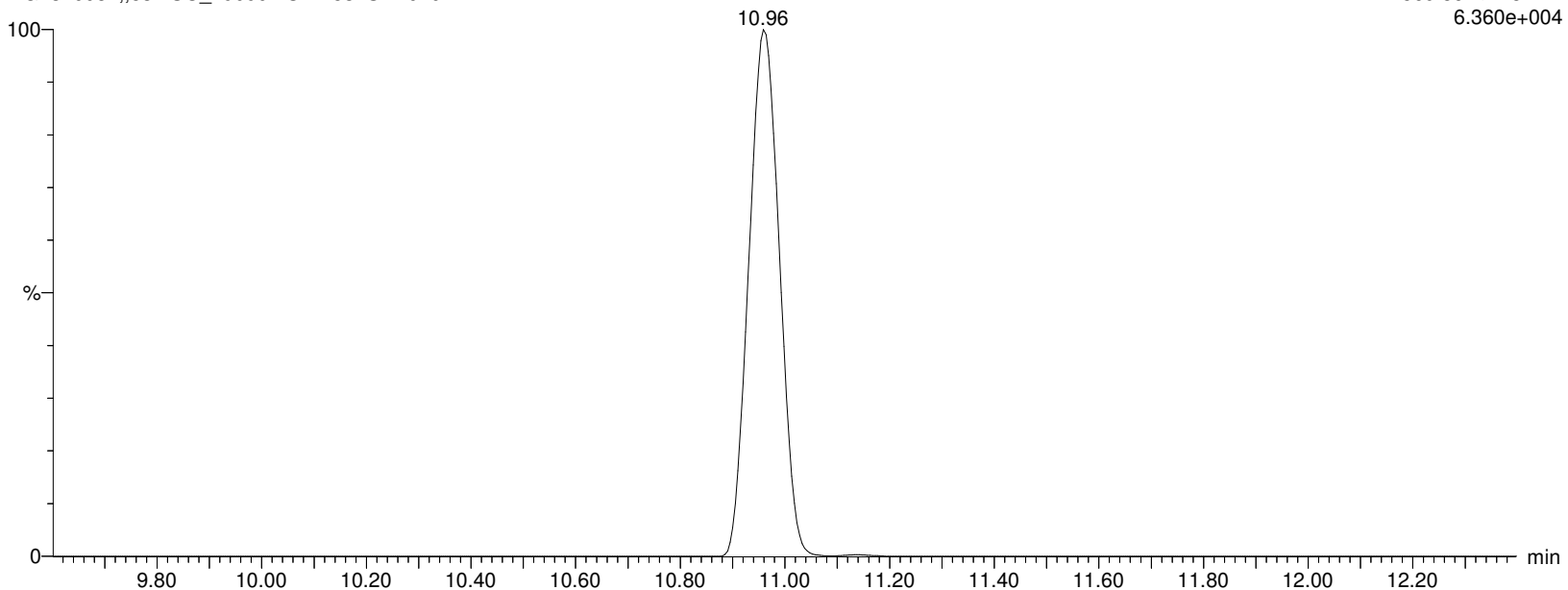
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.360e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

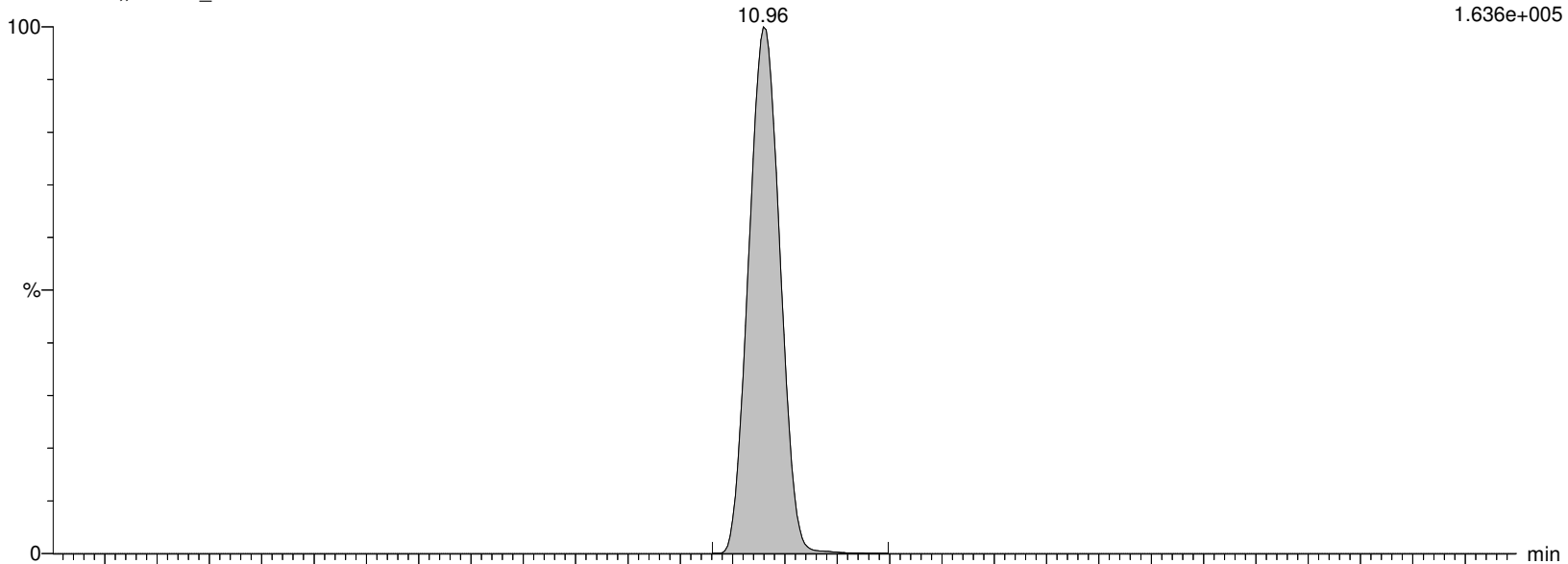
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.636e+005



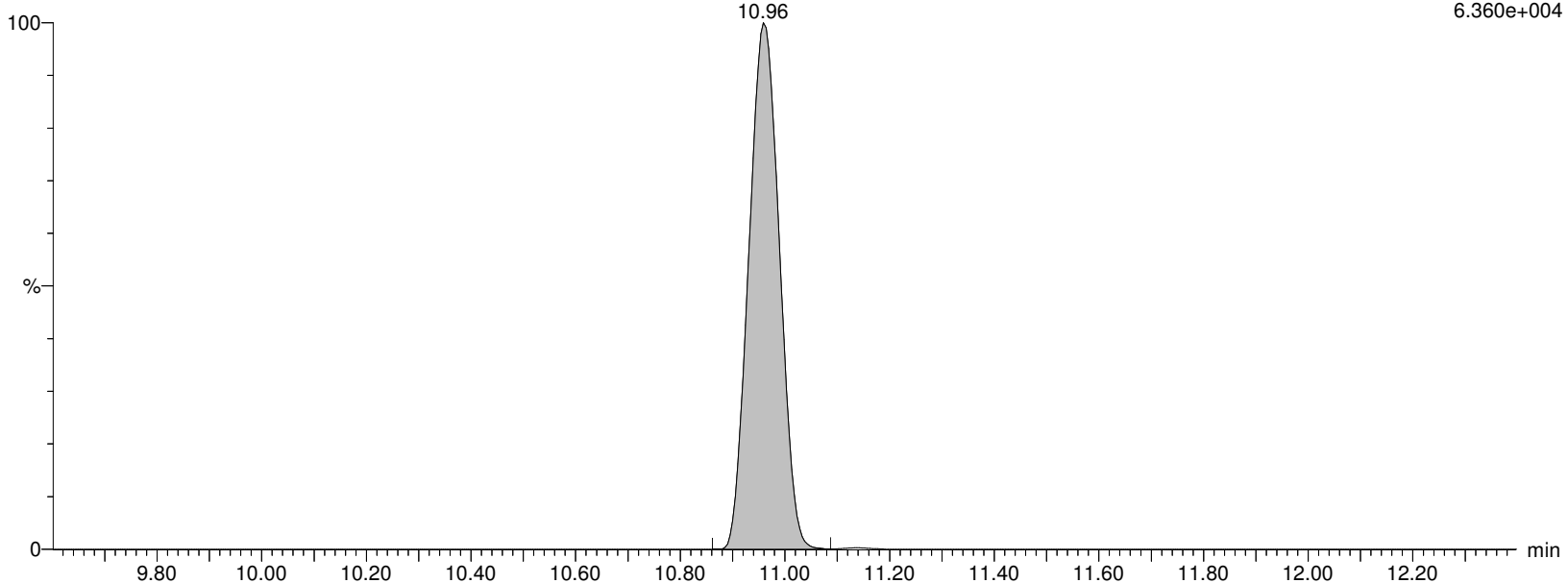
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.360e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

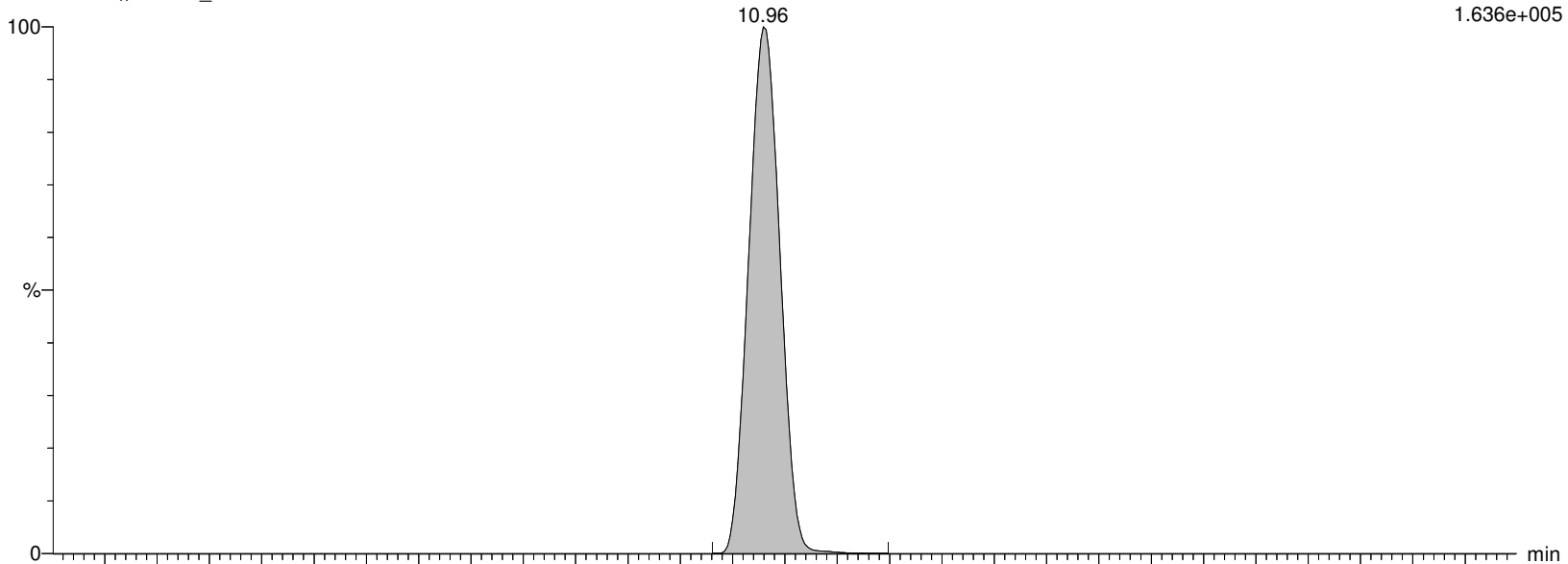
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.636e+005



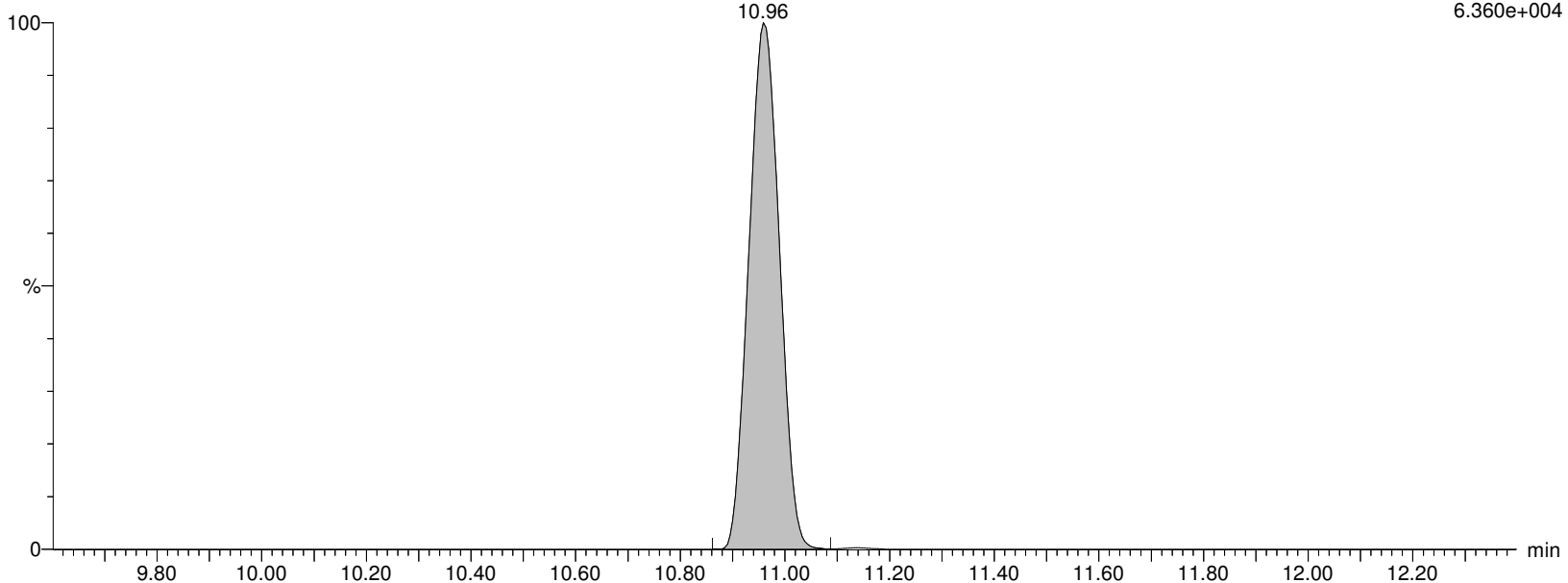
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F45:MRM of 2 channels,ES-

569.862 > 482.77

6.360e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

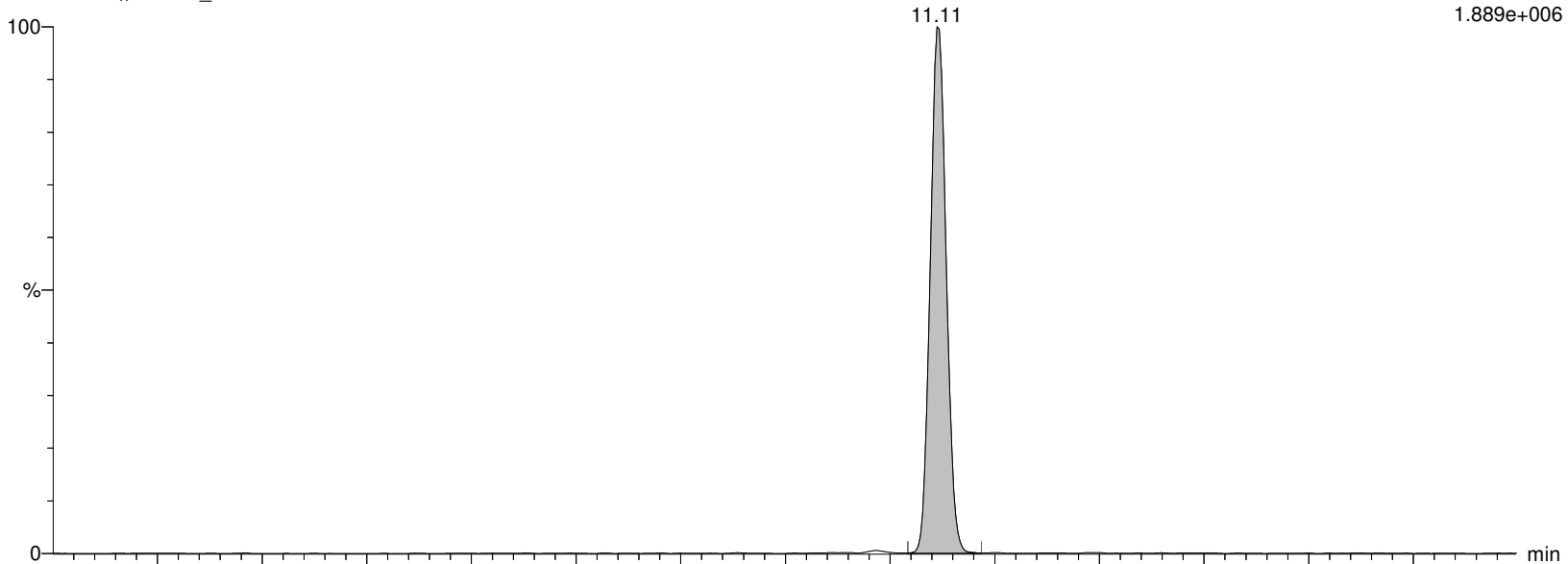
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F44:MRM of 2 channels,ES-

562.989 > 518.903

1.889e+006



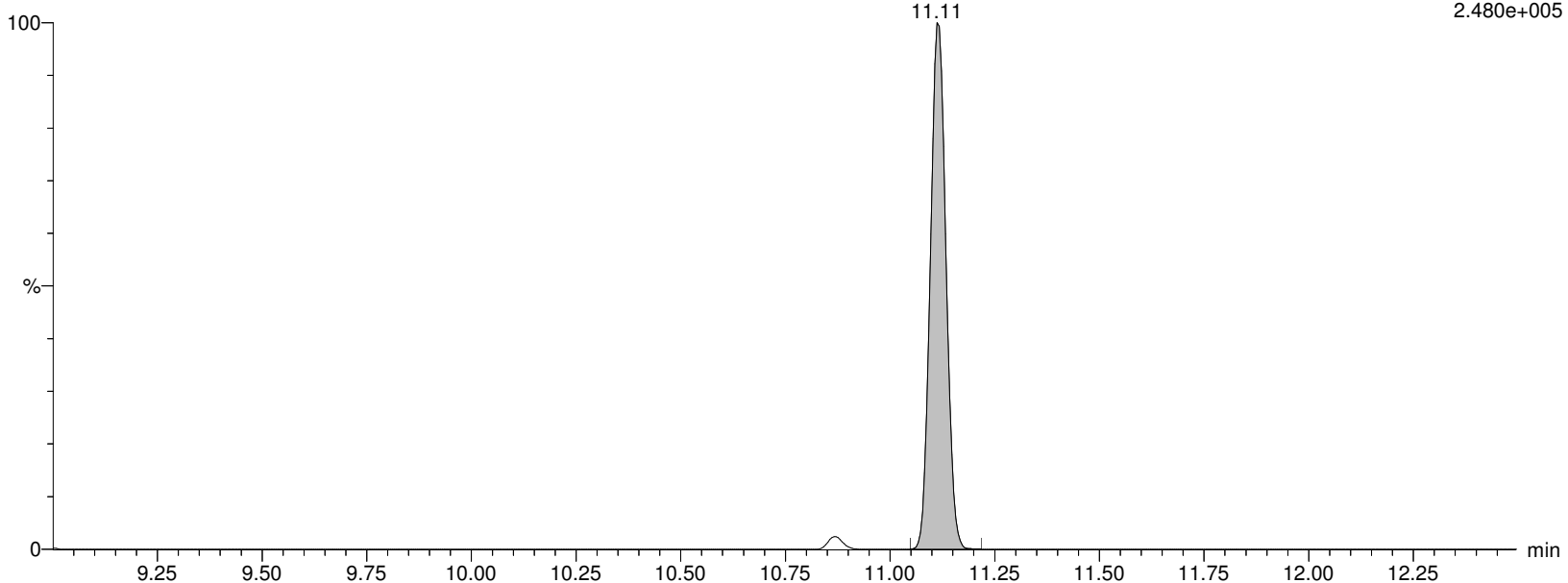
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F44:MRM of 2 channels,ES-

562.989 > 269.01

2.480e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

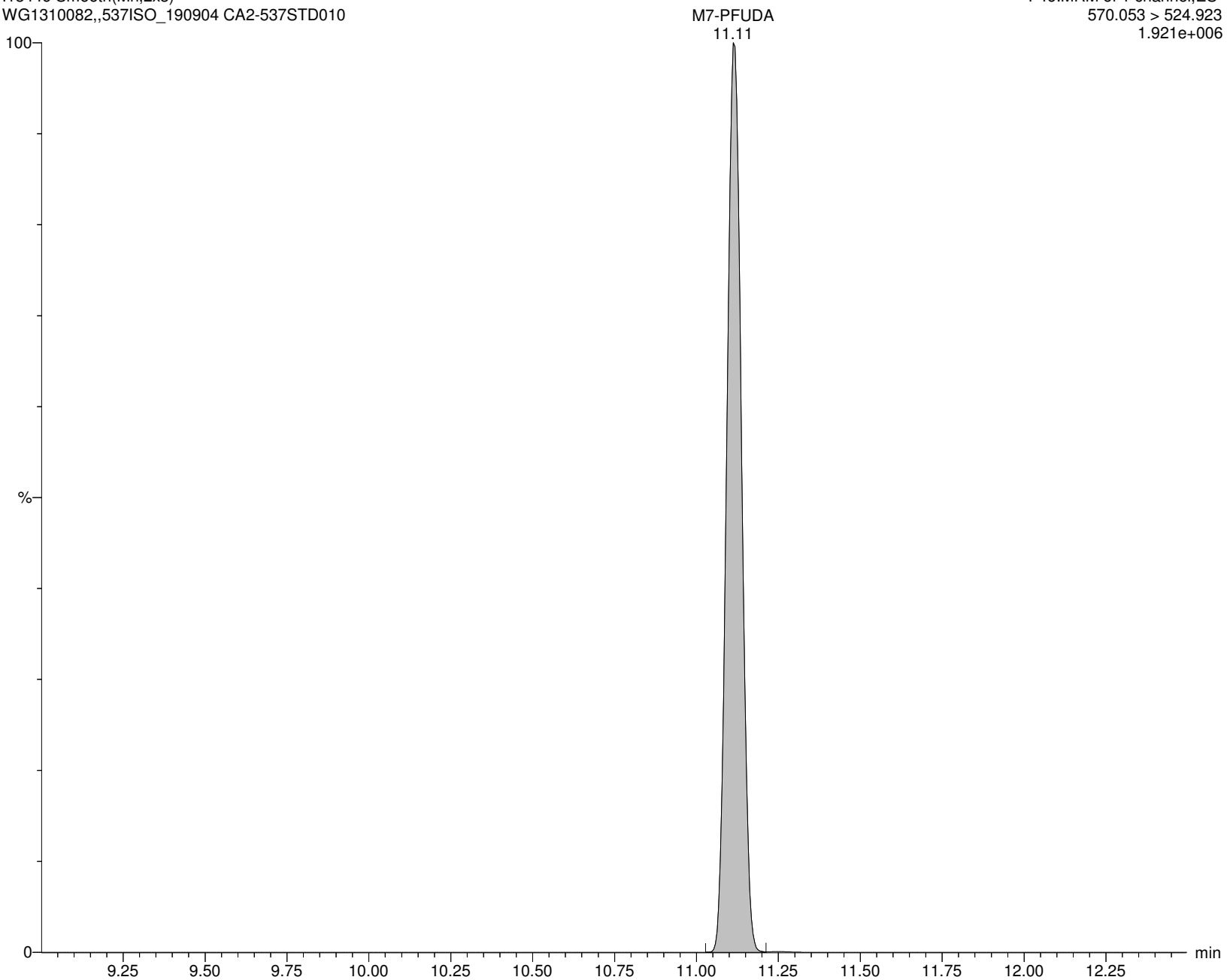
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.921e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

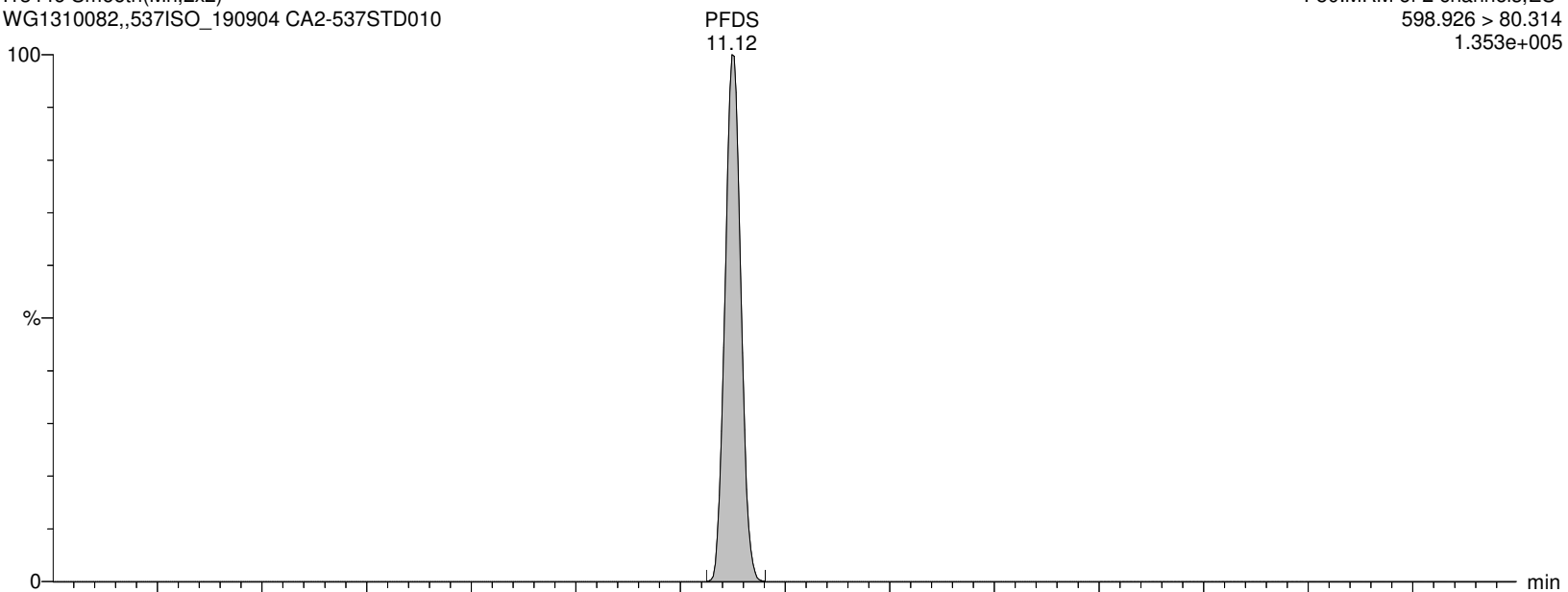
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F50:MRM of 2 channels,ES-

598.926 > 80.314

1.353e+005



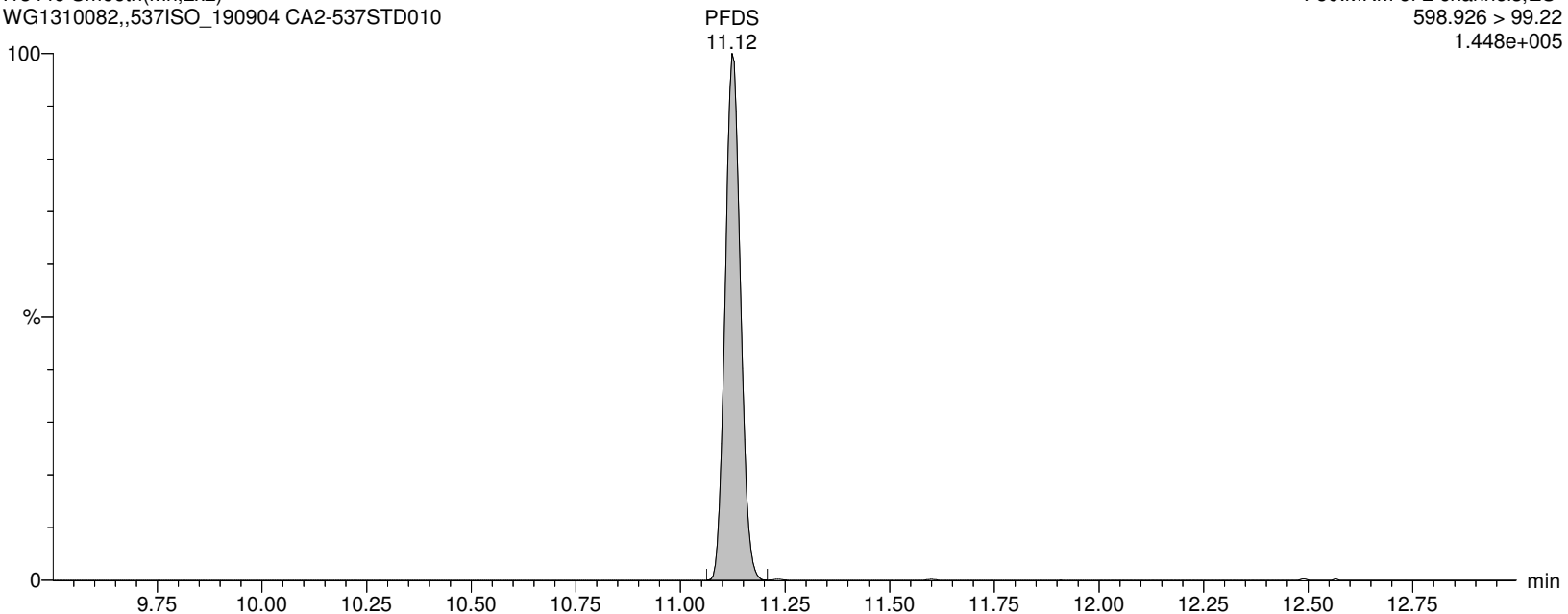
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F50:MRM of 2 channels,ES-

598.926 > 99.22

1.448e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

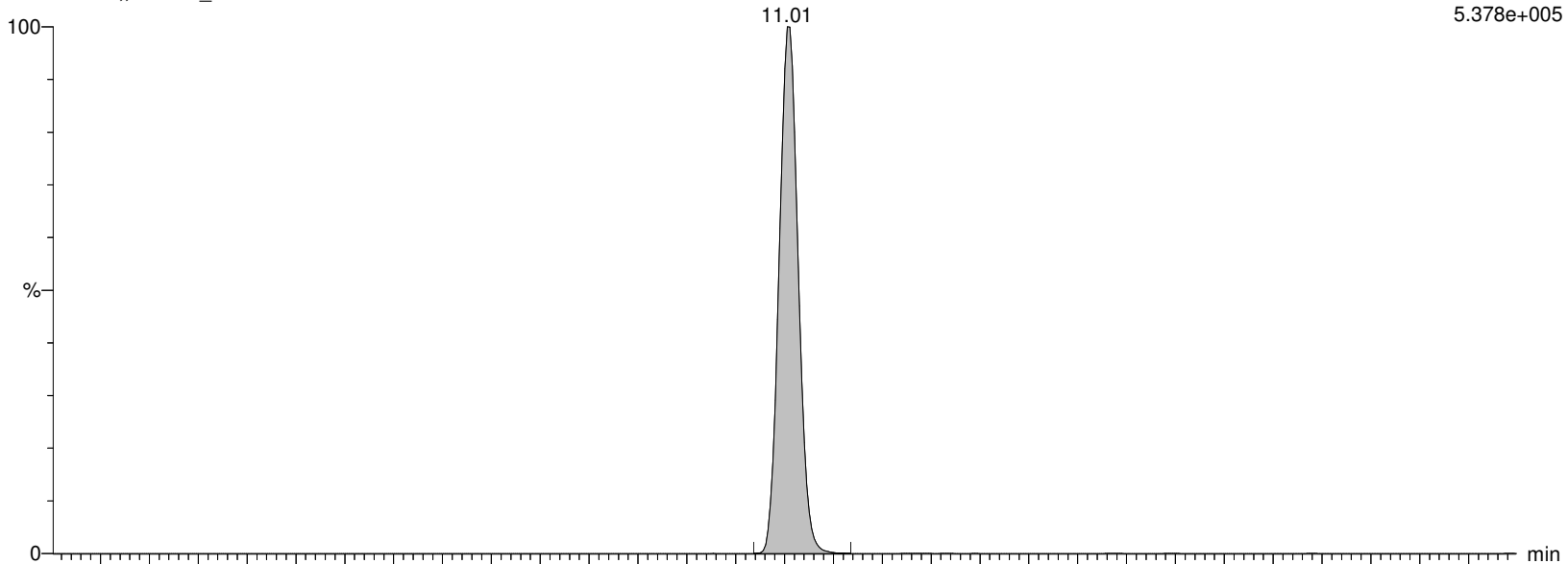
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F28:MRM of 2 channels,ES-

497.989 > 78.245

5.378e+005



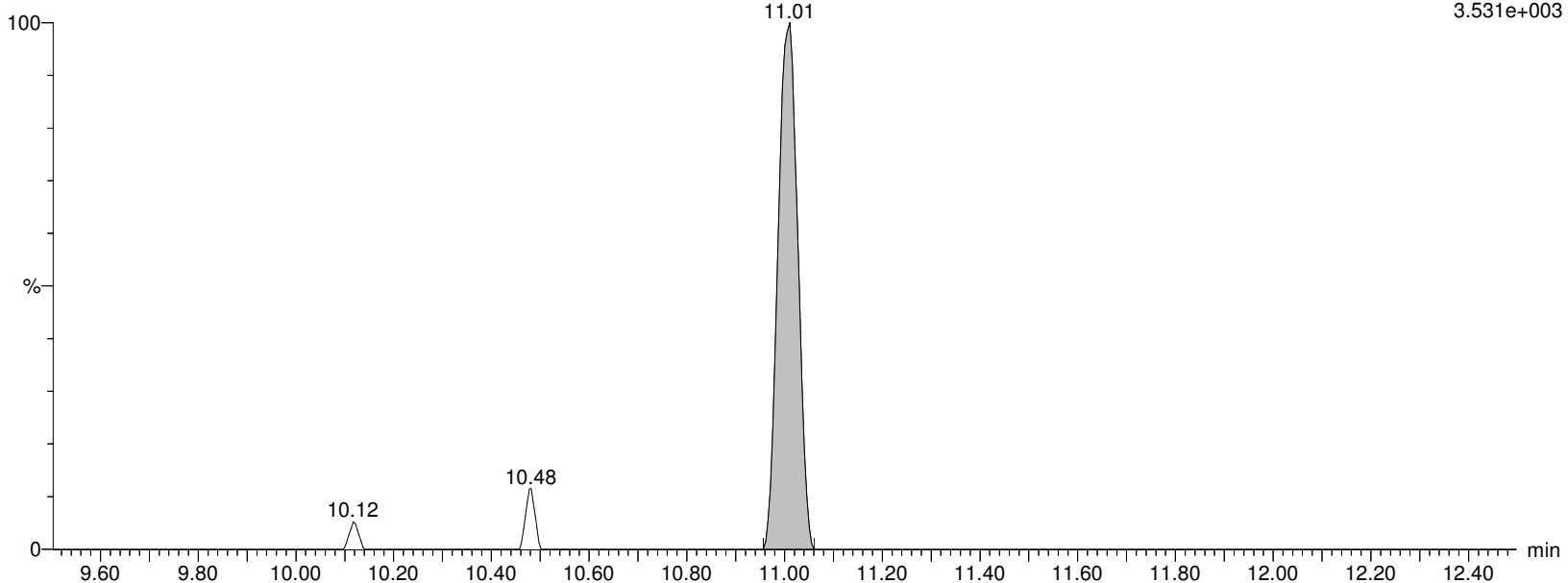
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F28:MRM of 2 channels,ES-

497.989 > 168.854

3.531e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

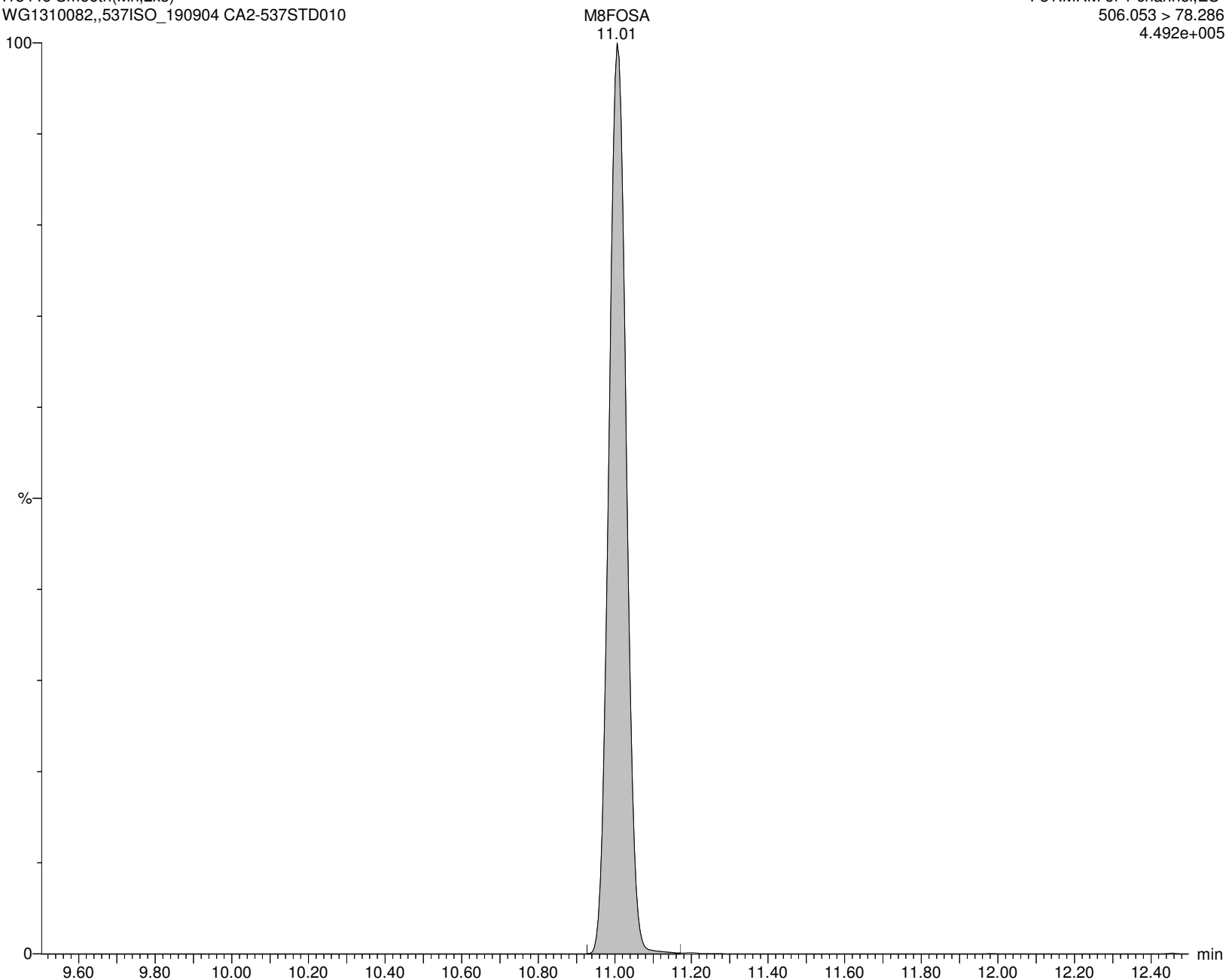
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.492e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

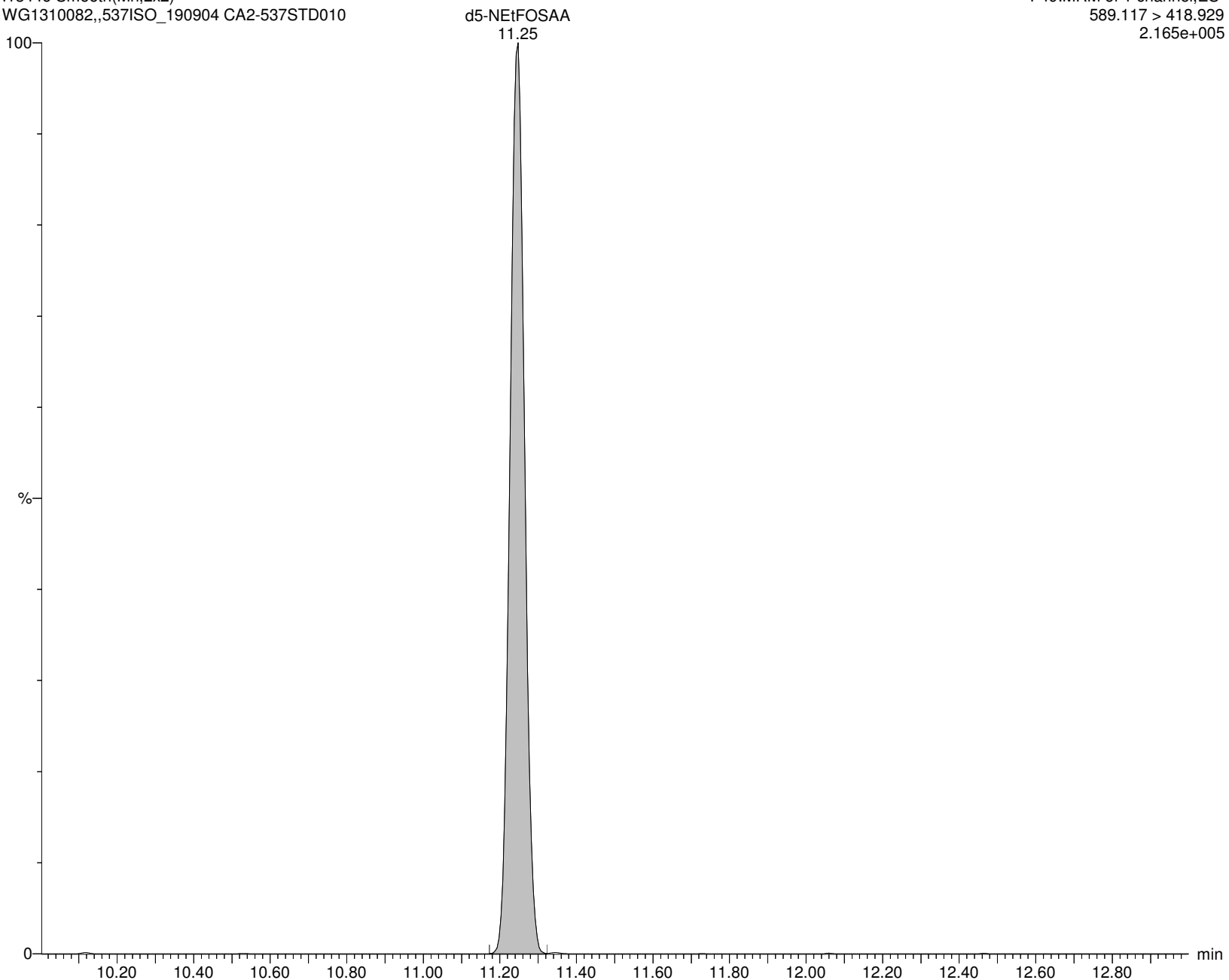
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F49:MRM of 1 channel,ES-

589.117 > 418.929

2.165e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

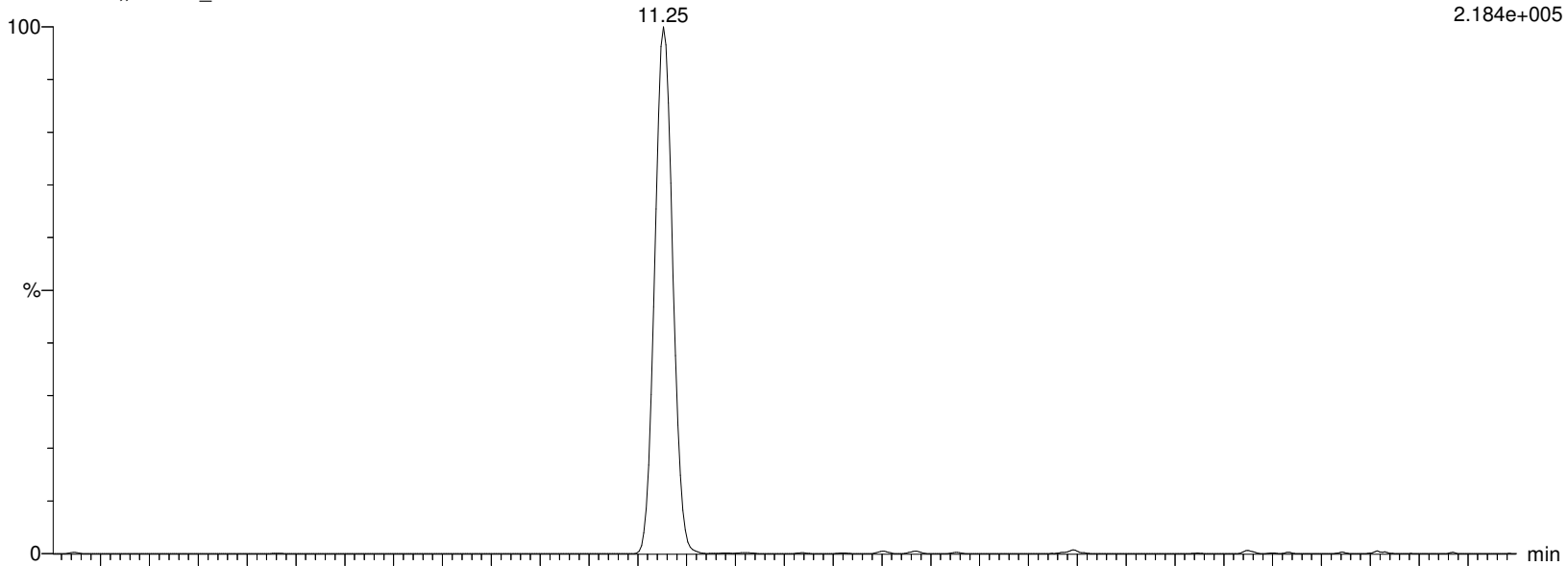
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.184e+005



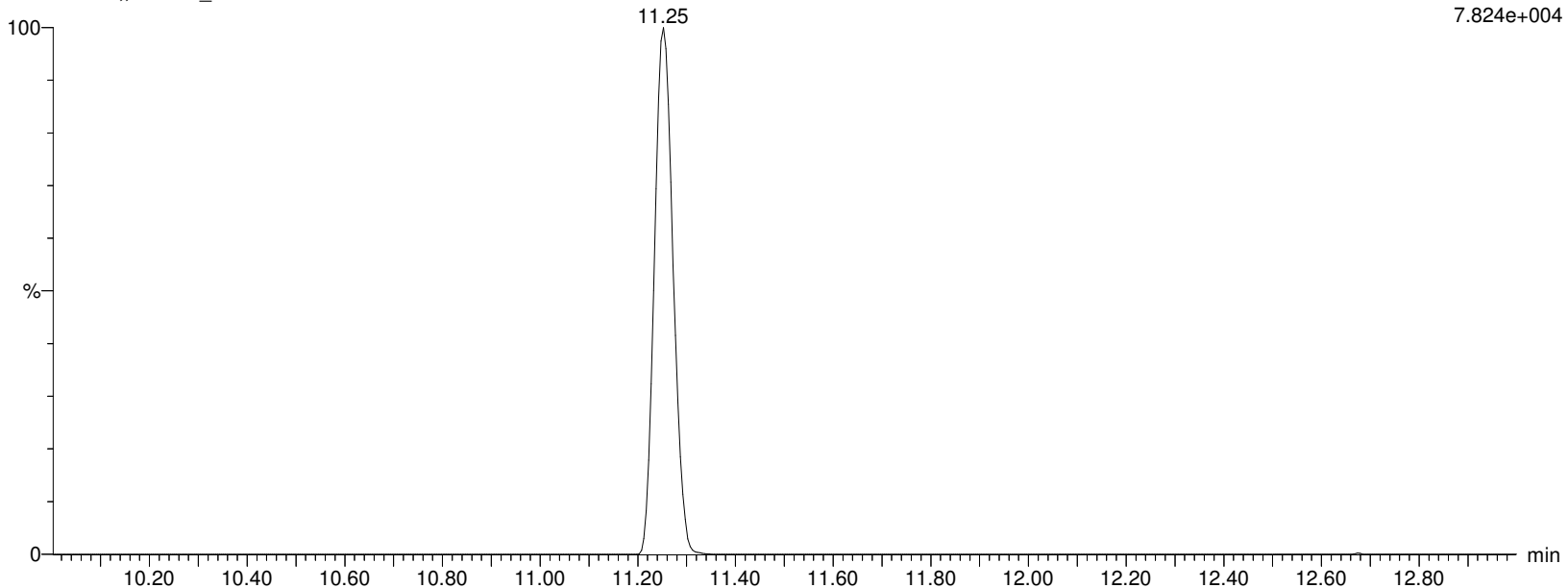
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.824e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

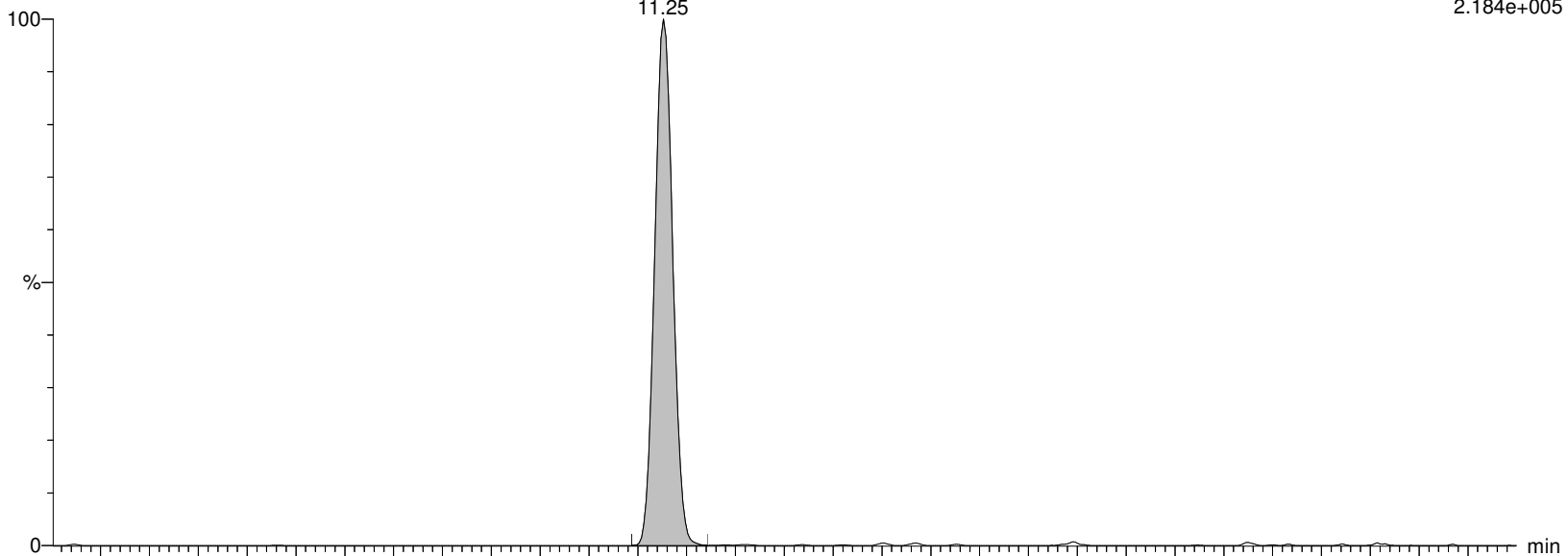
L-NEtFOSAA

11.25

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.184e+005



I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

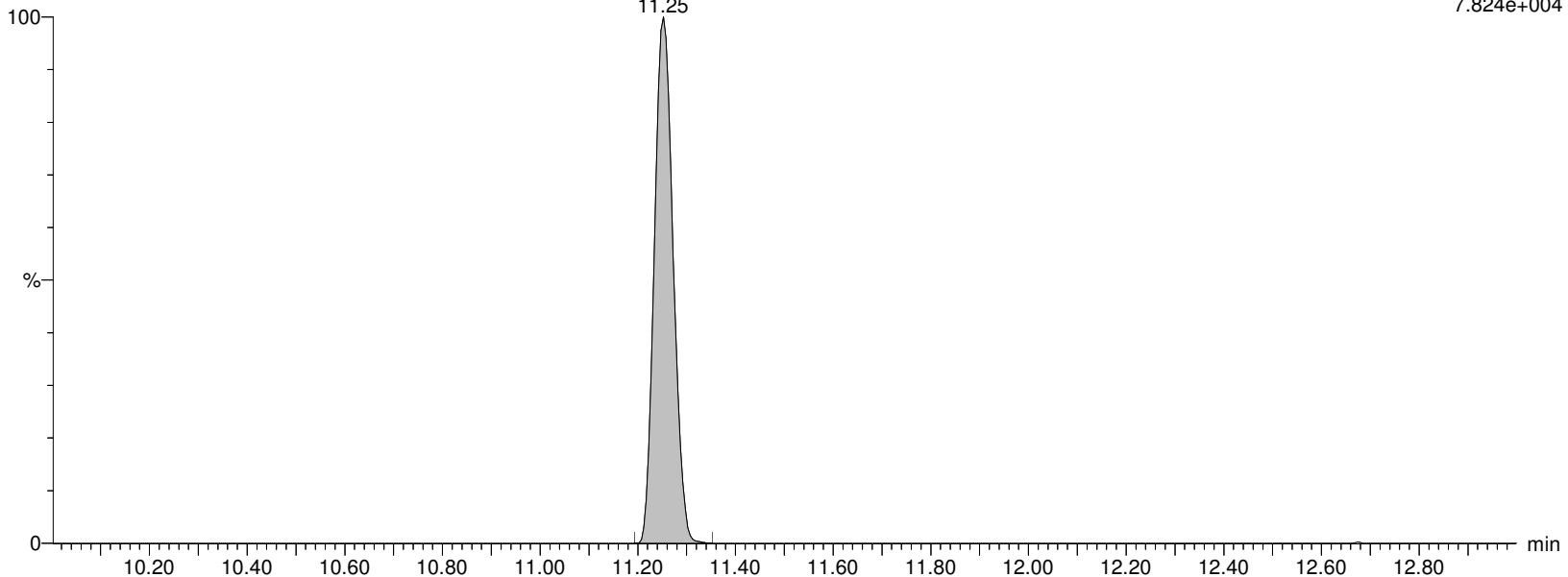
L-NEtFOSAA

11.25

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.824e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

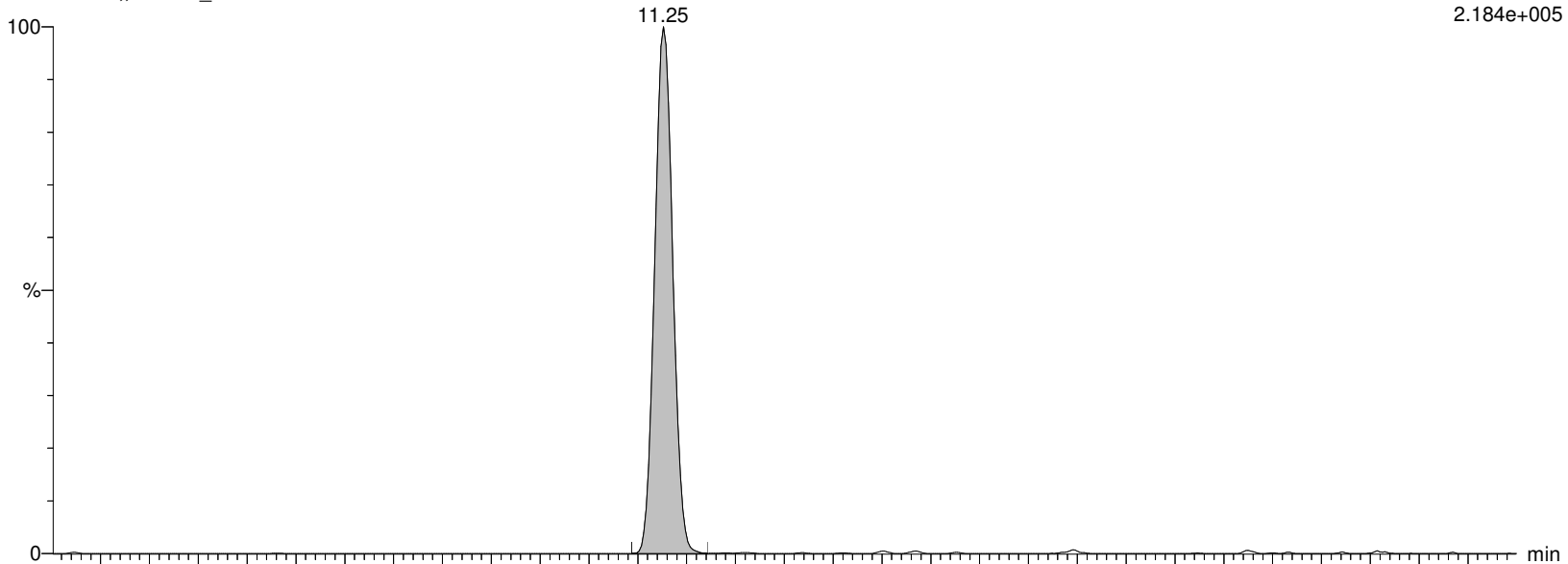
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F48:MRM of 2 channels,ES-

583.989 > 418.927

2.184e+005



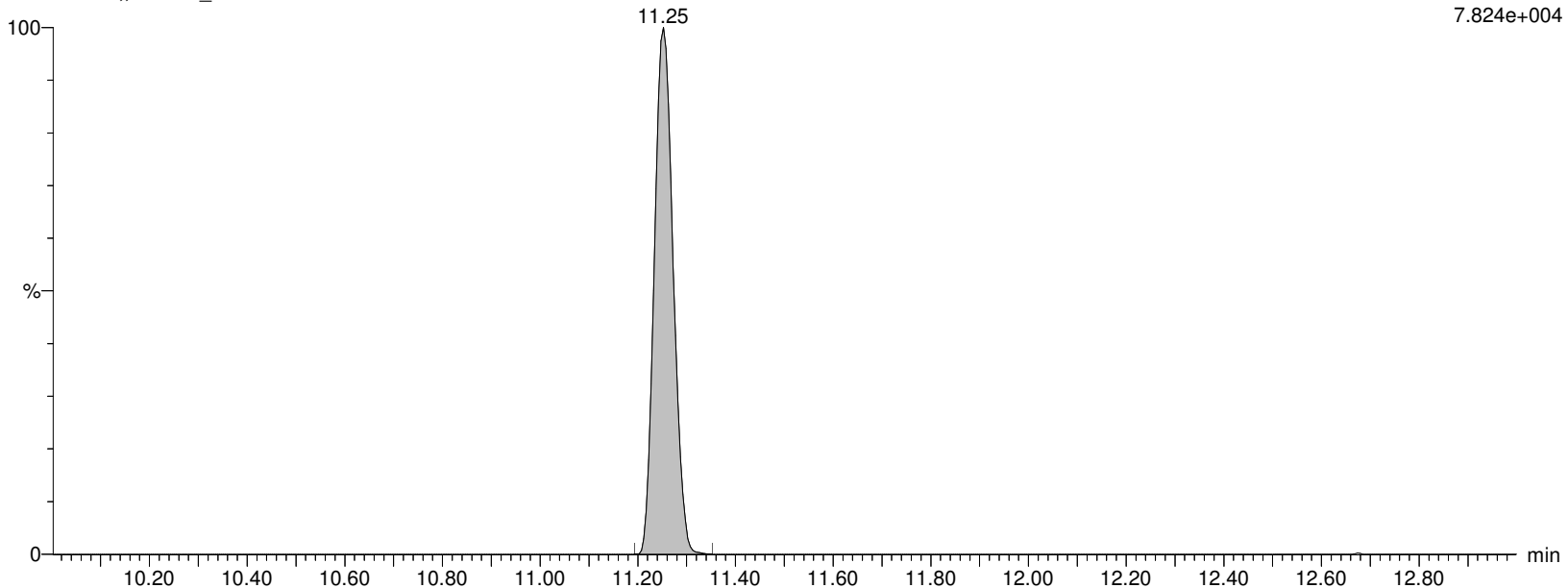
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F48:MRM of 2 channels,ES-

583.989 > 482.88

7.824e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

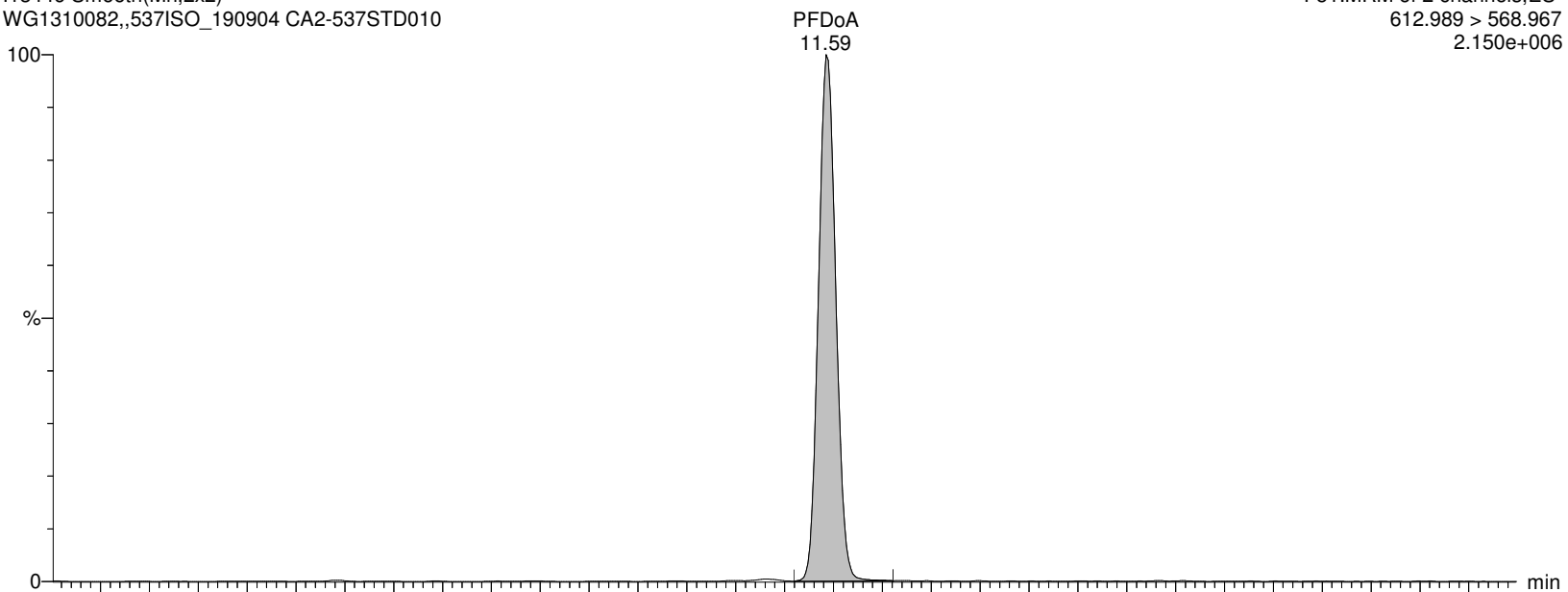
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F51:MRM of 2 channels,ES-

612.989 > 568.967

2.150e+006



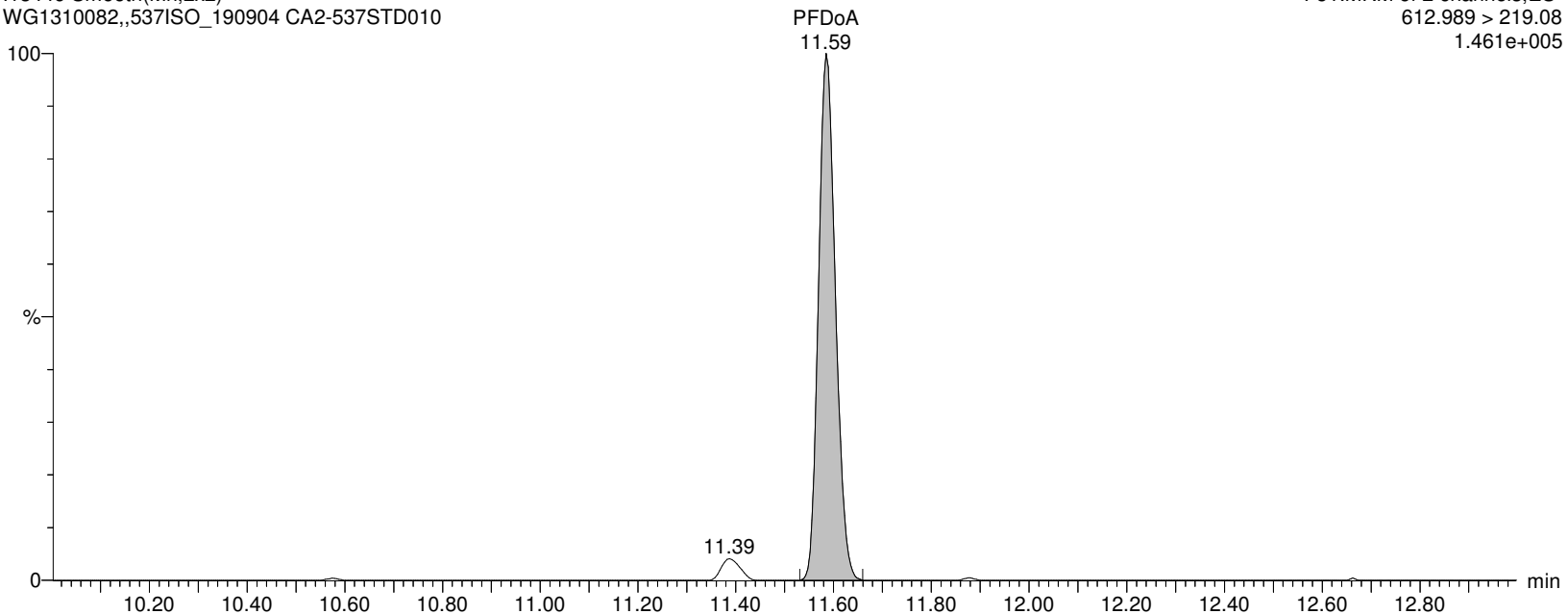
I13446 Smooth(Mn,2x2)

WG1310082,,537ISO_190904 CA2-537STD010

F51:MRM of 2 channels,ES-

612.989 > 219.08

1.461e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

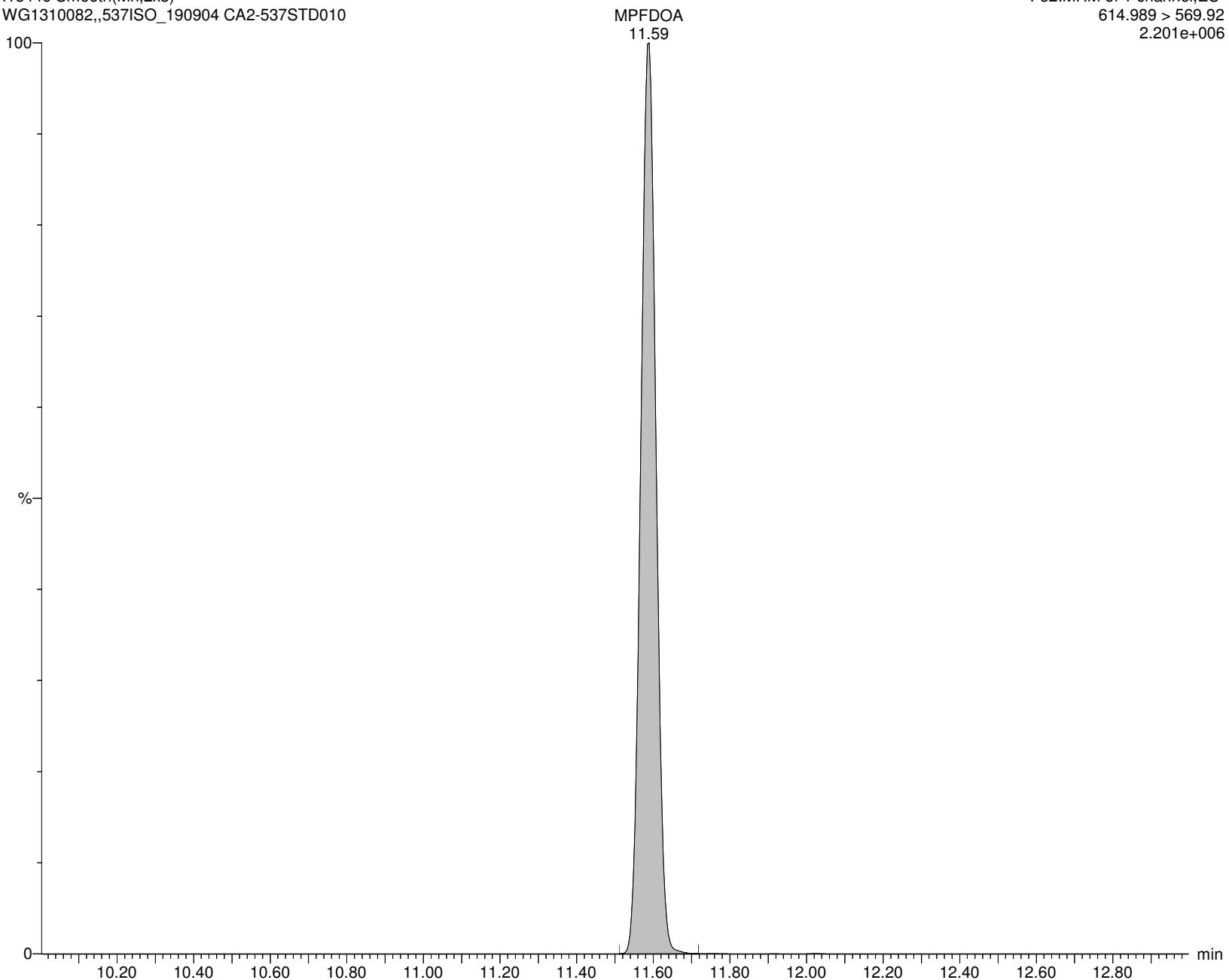
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.201e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

I13446 Smooth(Mn,2x2)

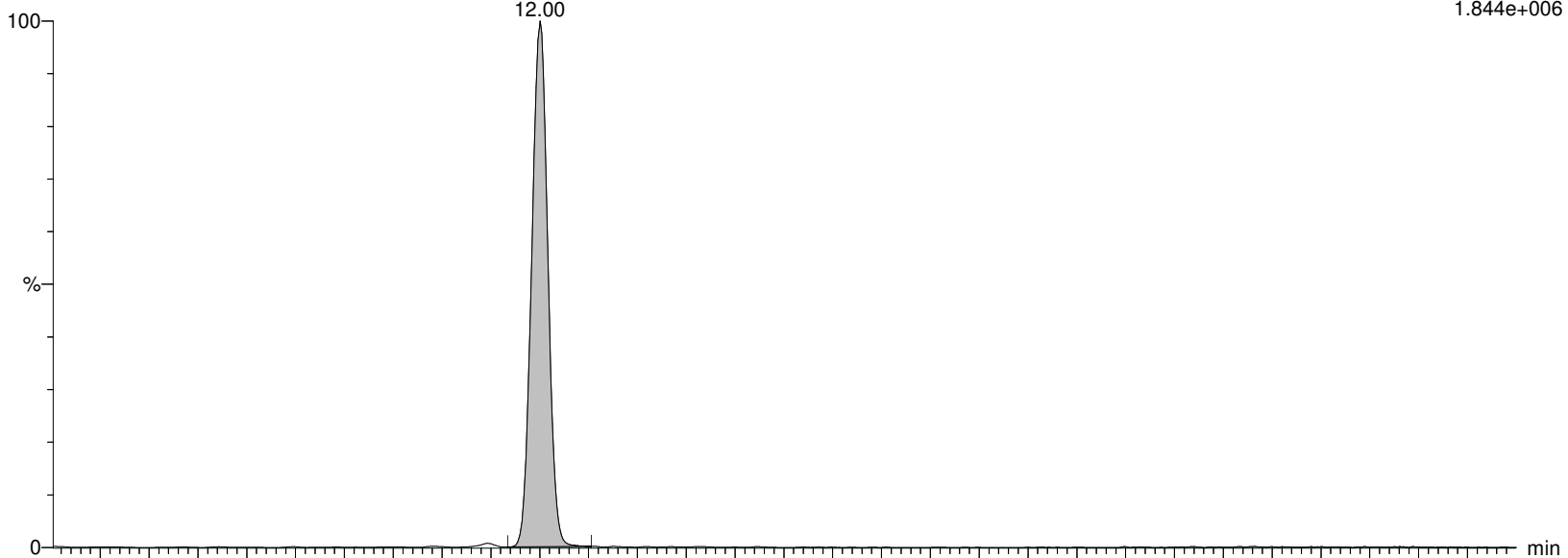
WG1310082,,537ISO_190904 CA2-537STD010

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.844e+006



I13446 Smooth(Mn,2x2)

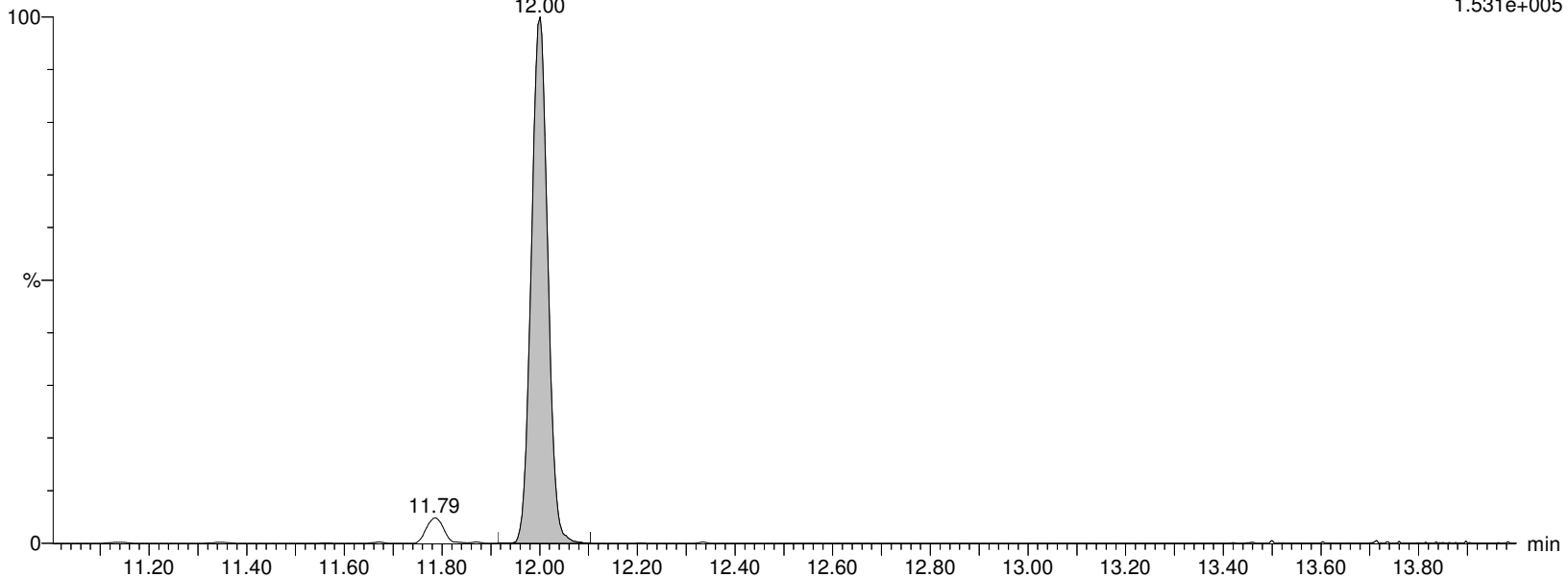
WG1310082,,537ISO_190904 CA2-537STD010

PFTTrDA
12.00

F59:MRM of 2 channels,ES-

663.053 > 319.02

1.531e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

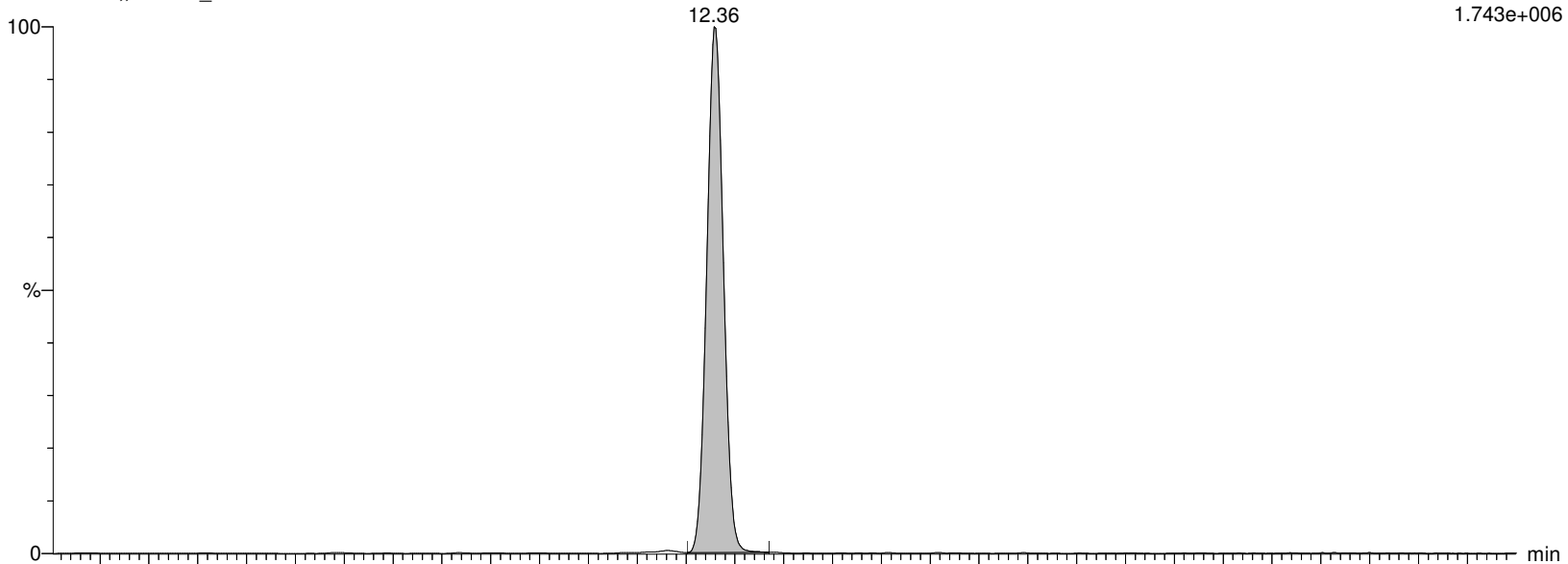
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F61:MRM of 2 channels,ES-

713.053 > 668.976

1.743e+006



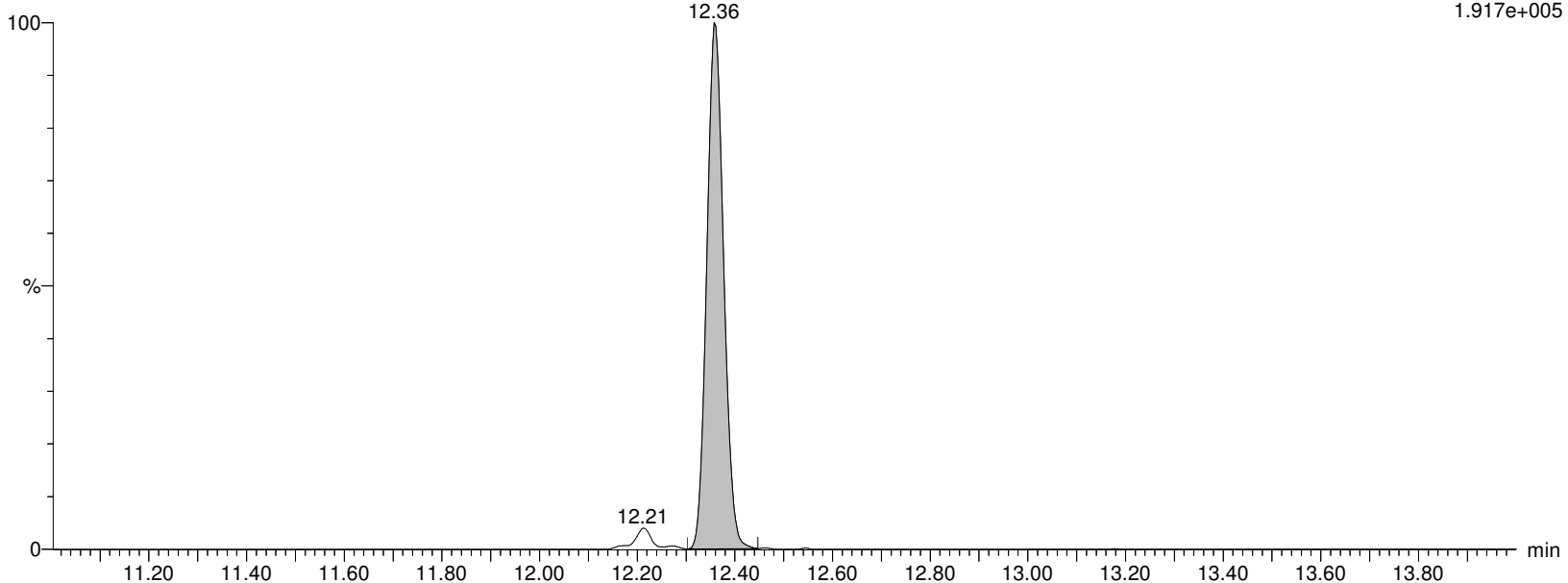
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F61:MRM of 2 channels,ES-

713.053 > 219.09

1.917e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

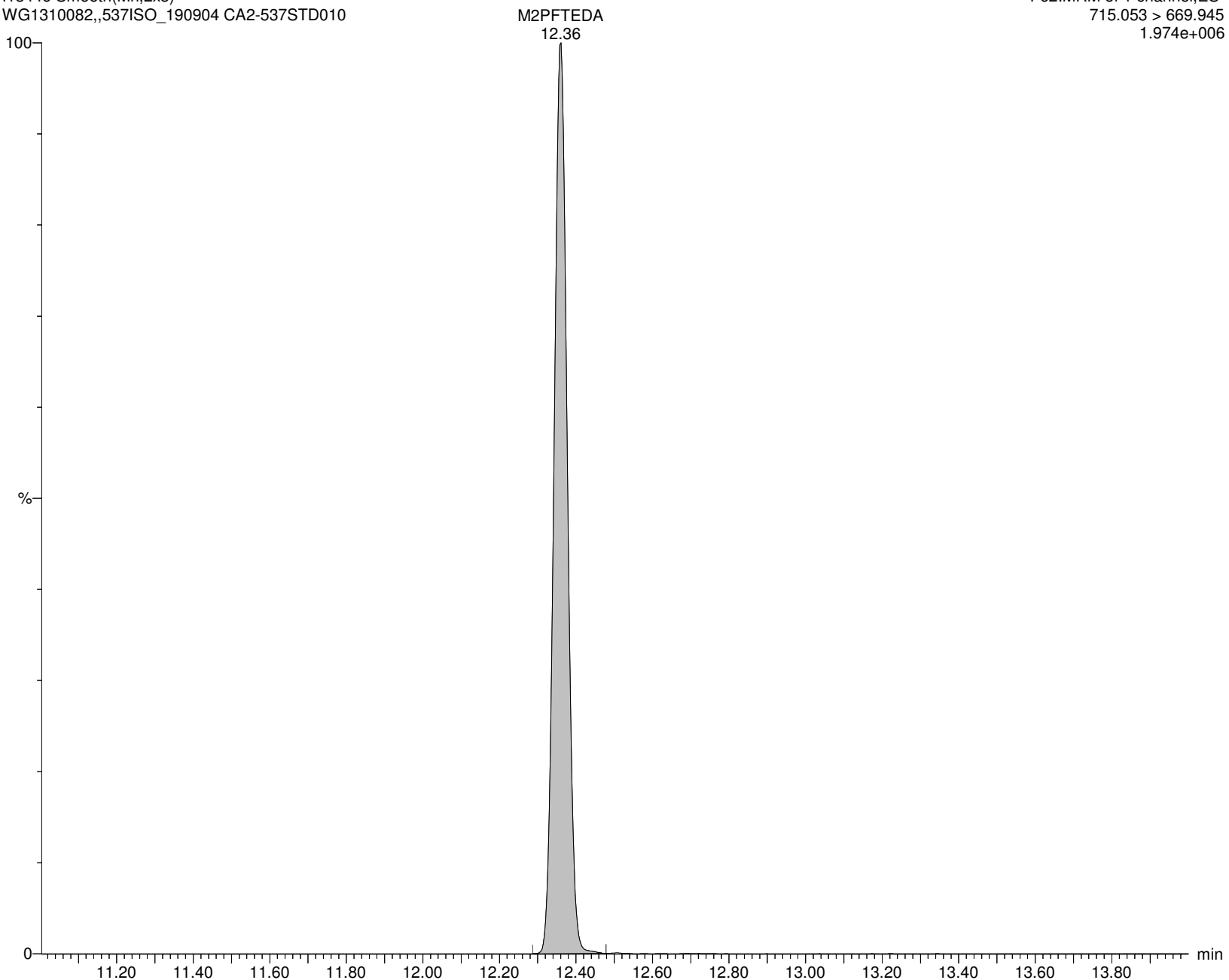
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F62:MRM of 1 channel,ES-

715.053 > 669.945

1.974e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3HFPO-DA

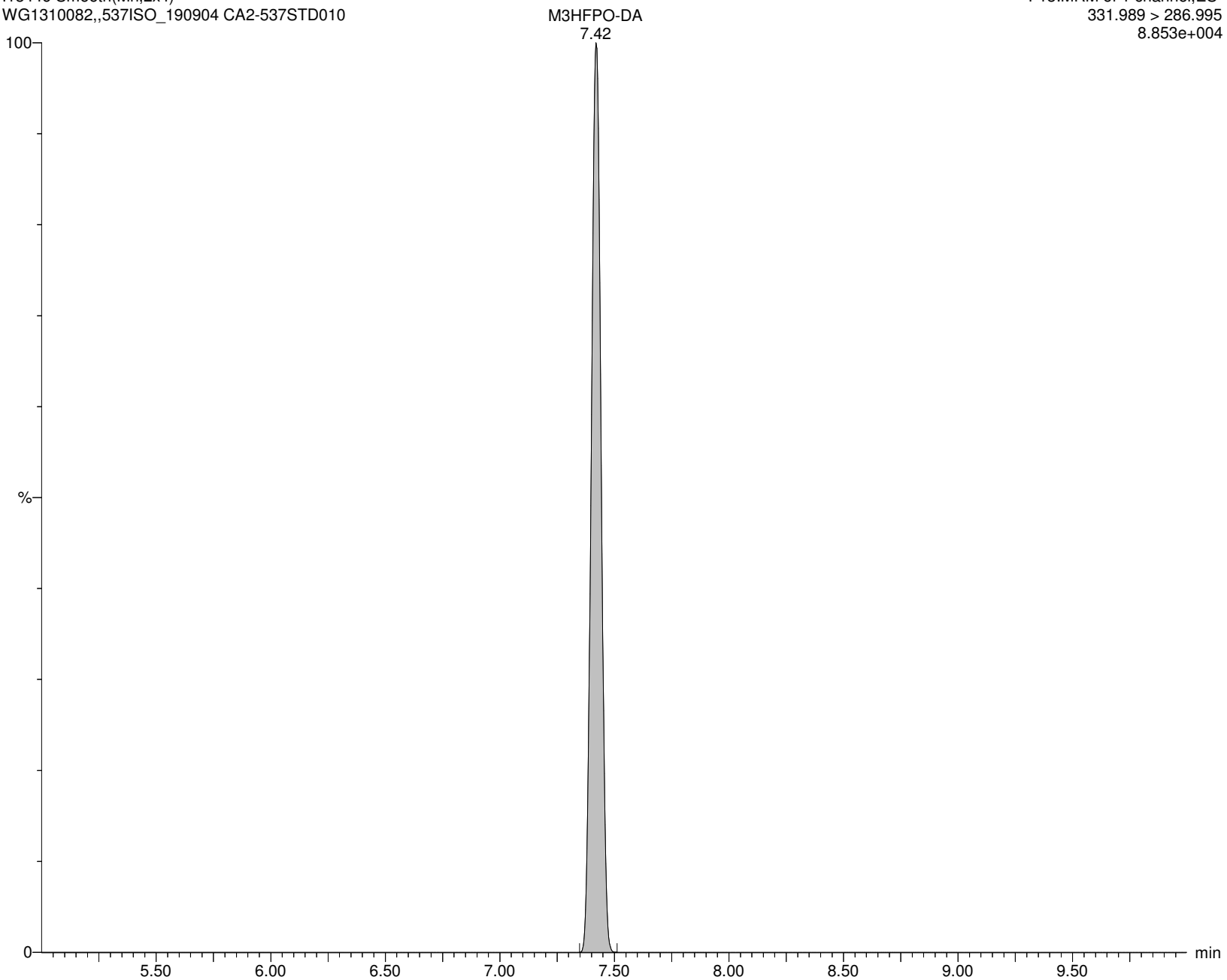
I13446 Smooth(Mn,2x4)

WG1310082,,537ISO_190904 CA2-537STD010

F13:MRM of 1 channel,ES-

331.989 > 286.995

8.853e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

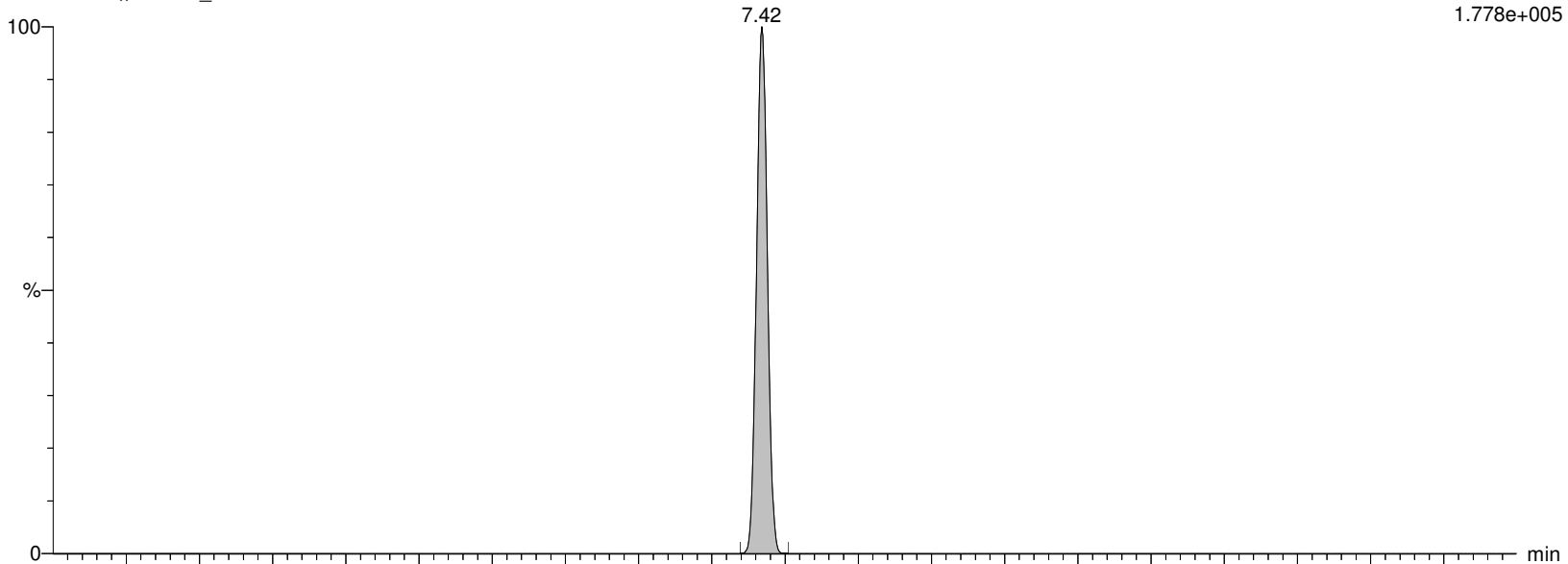
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F6:MRM of 2 channels,ES-

284.819 > 169.094

1.778e+005



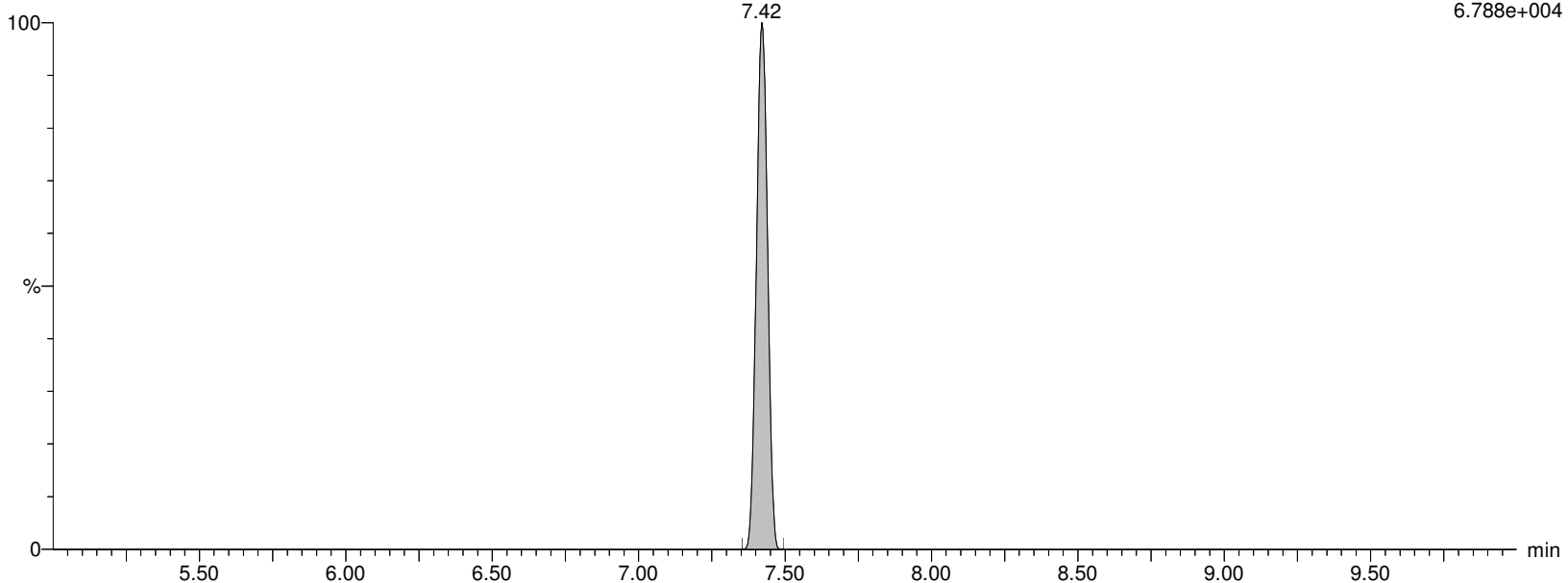
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F6:MRM of 2 channels,ES-

328.989 > 284.982

6.788e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****ADONA**

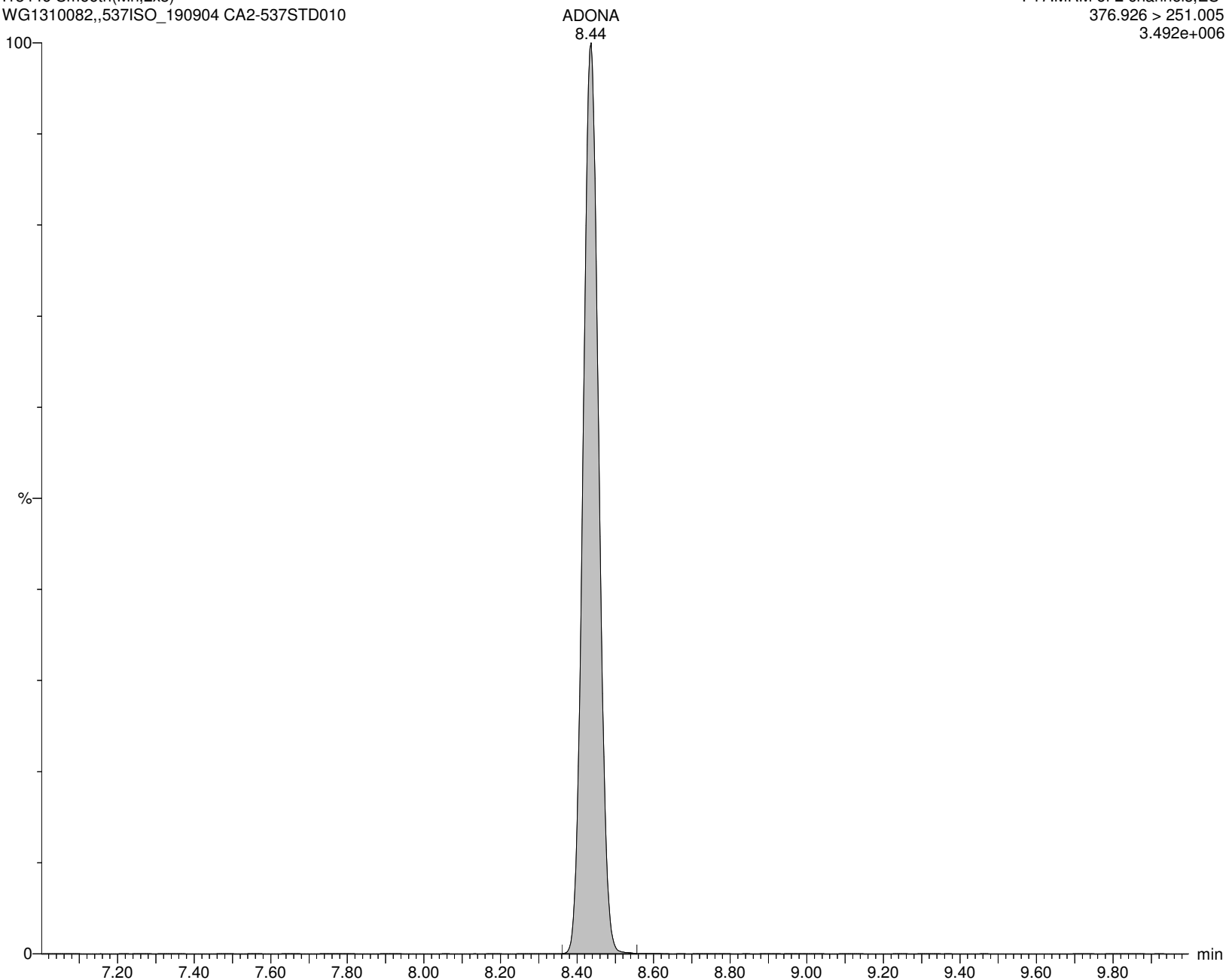
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F17:MRM of 2 channels,ES-

376.926 > 251.005

3.492e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

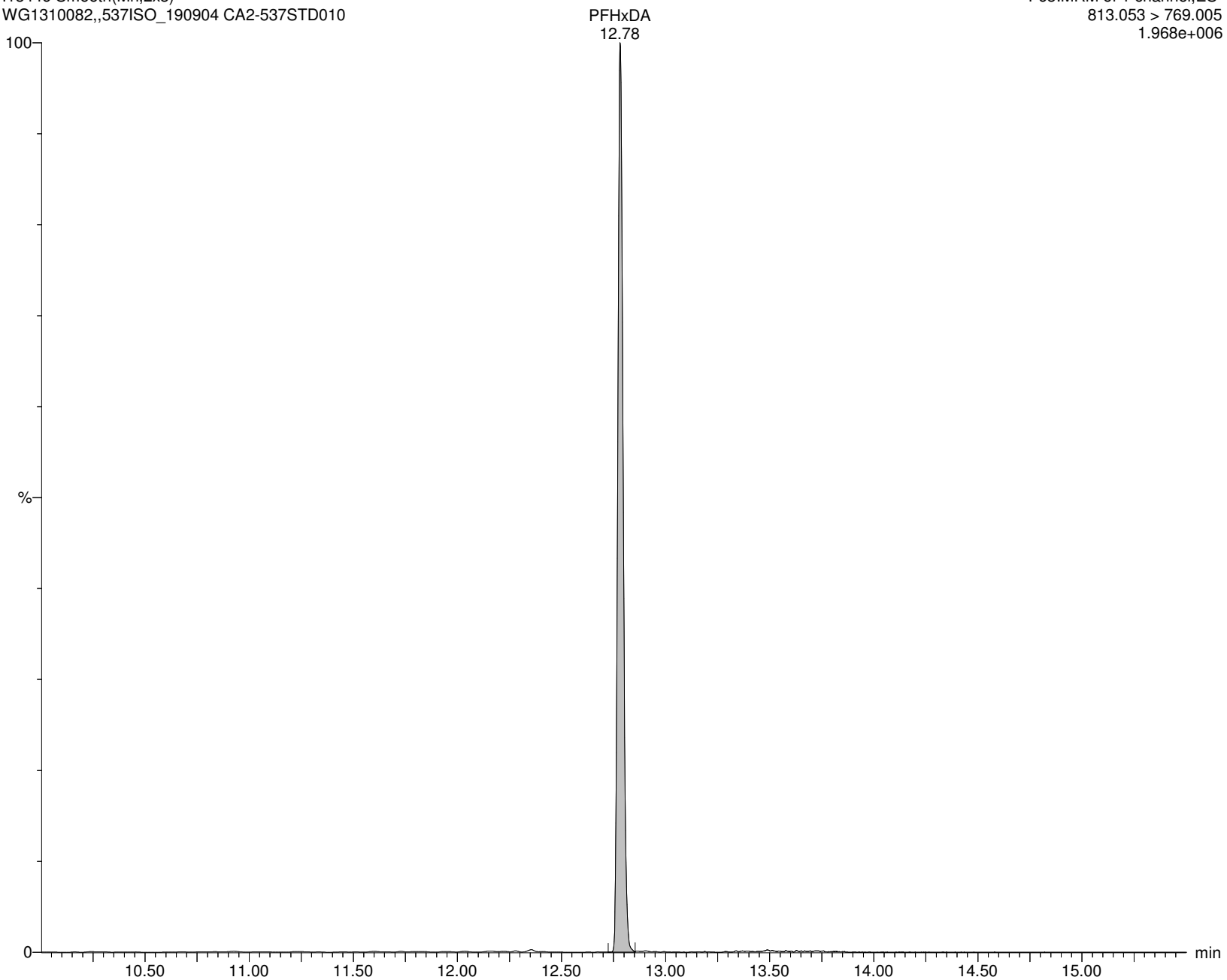
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.968e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

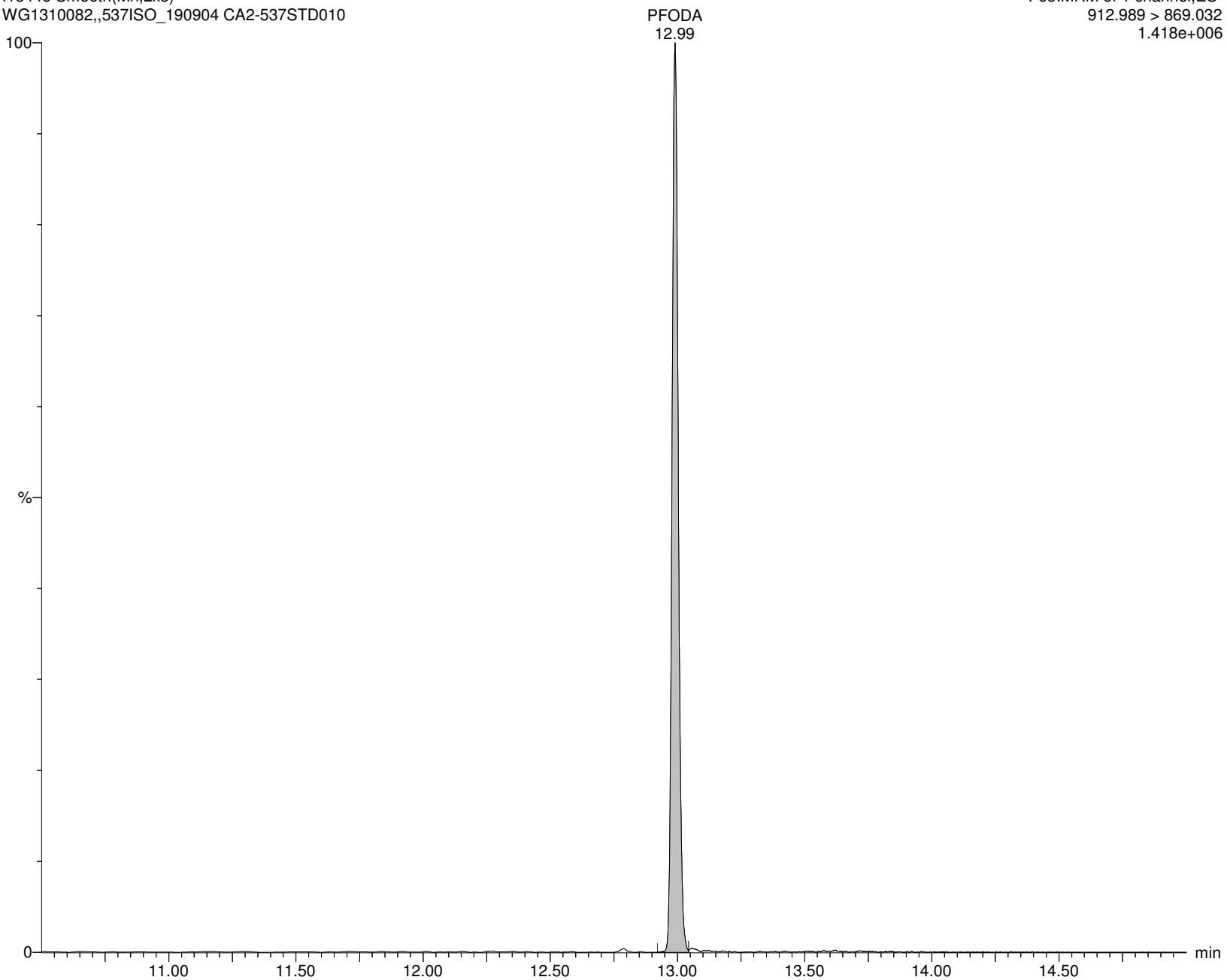
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.418e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

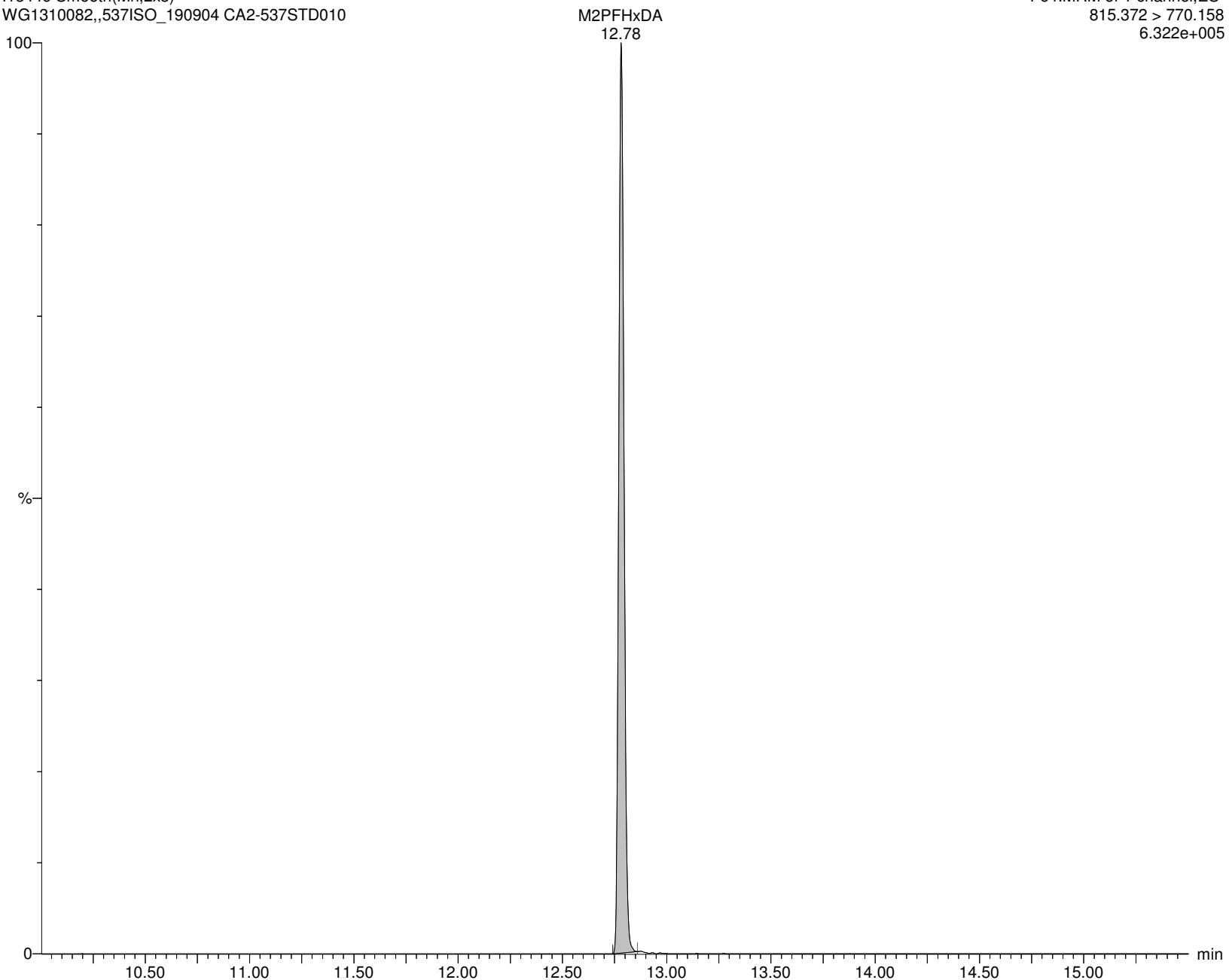
I13446 Smooth(Mn,2x3)

WG1310082,,537ISO_190904 CA2-537STD010

F64:MRM of 1 channel,ES-

815.372 > 770.158

6.322e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

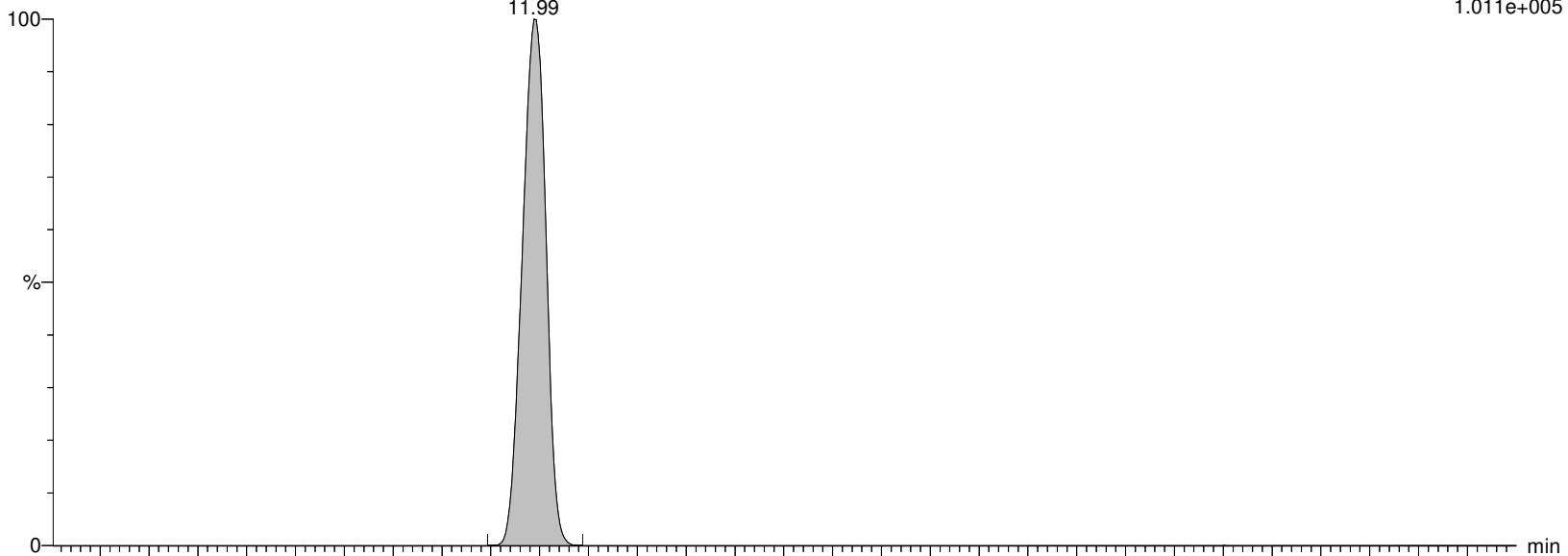
PFDoS

11.99

F60:MRM of 2 channels,ES-

698.649 > 79.853

1.011e+005



I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

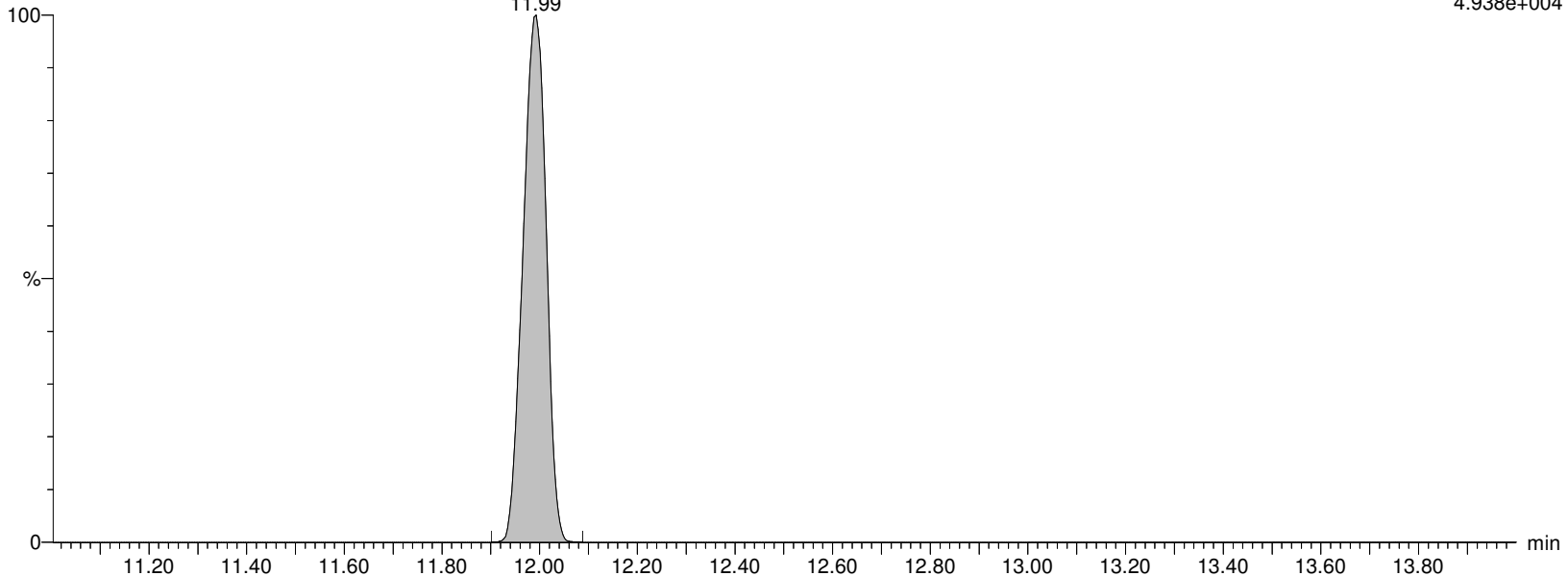
PFDoS

11.99

F60:MRM of 2 channels,ES-

698.649 > 98.786

4.938e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

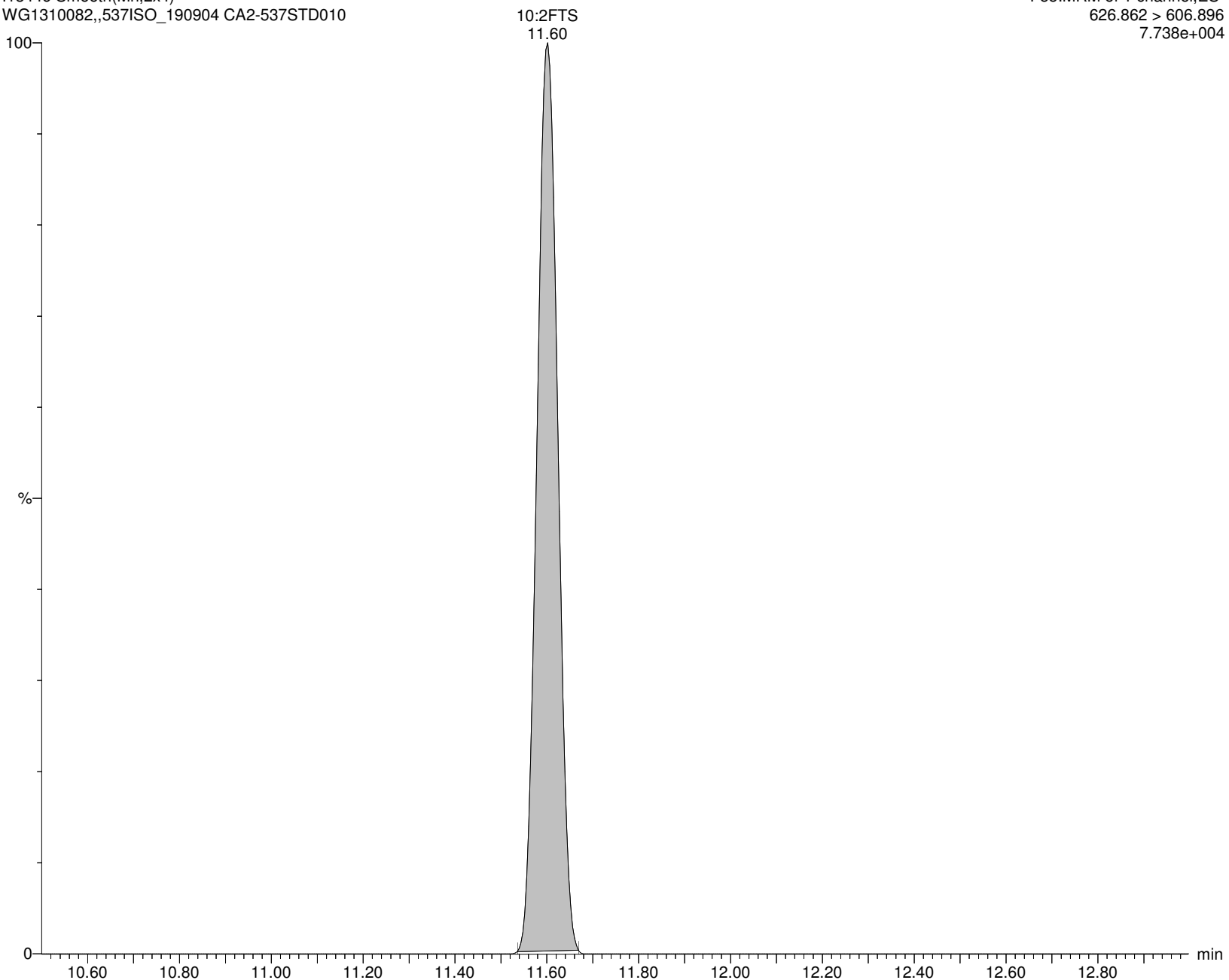
I13446 Smooth(Mn,2x4)

WG1310082,,537ISO_190904 CA2-537STD010

F55:MRM of 1 channel,ES-

626.862 > 606.896

7.738e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

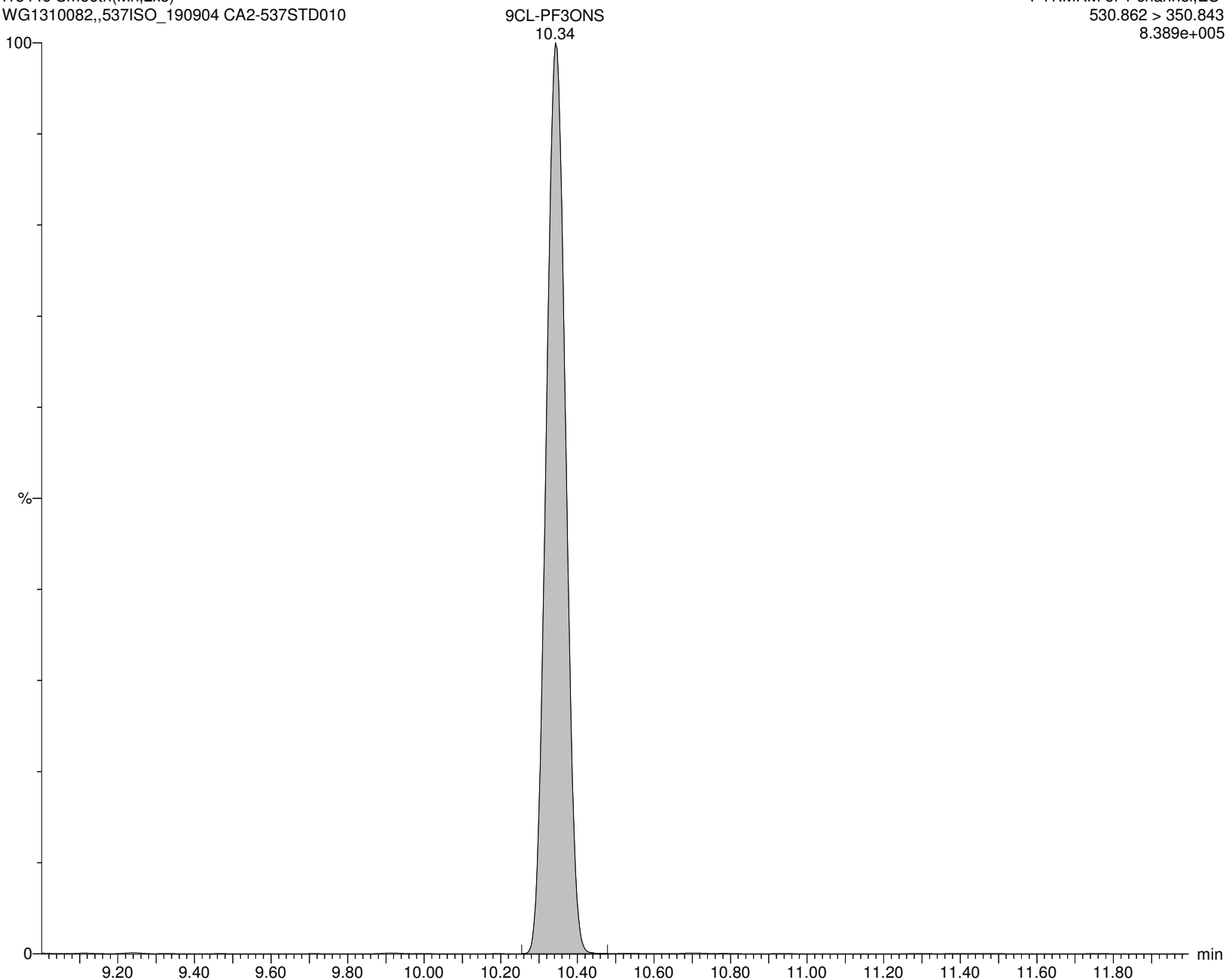
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F41:MRM of 1 channel,ES-

530.862 > 350.843

8.389e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

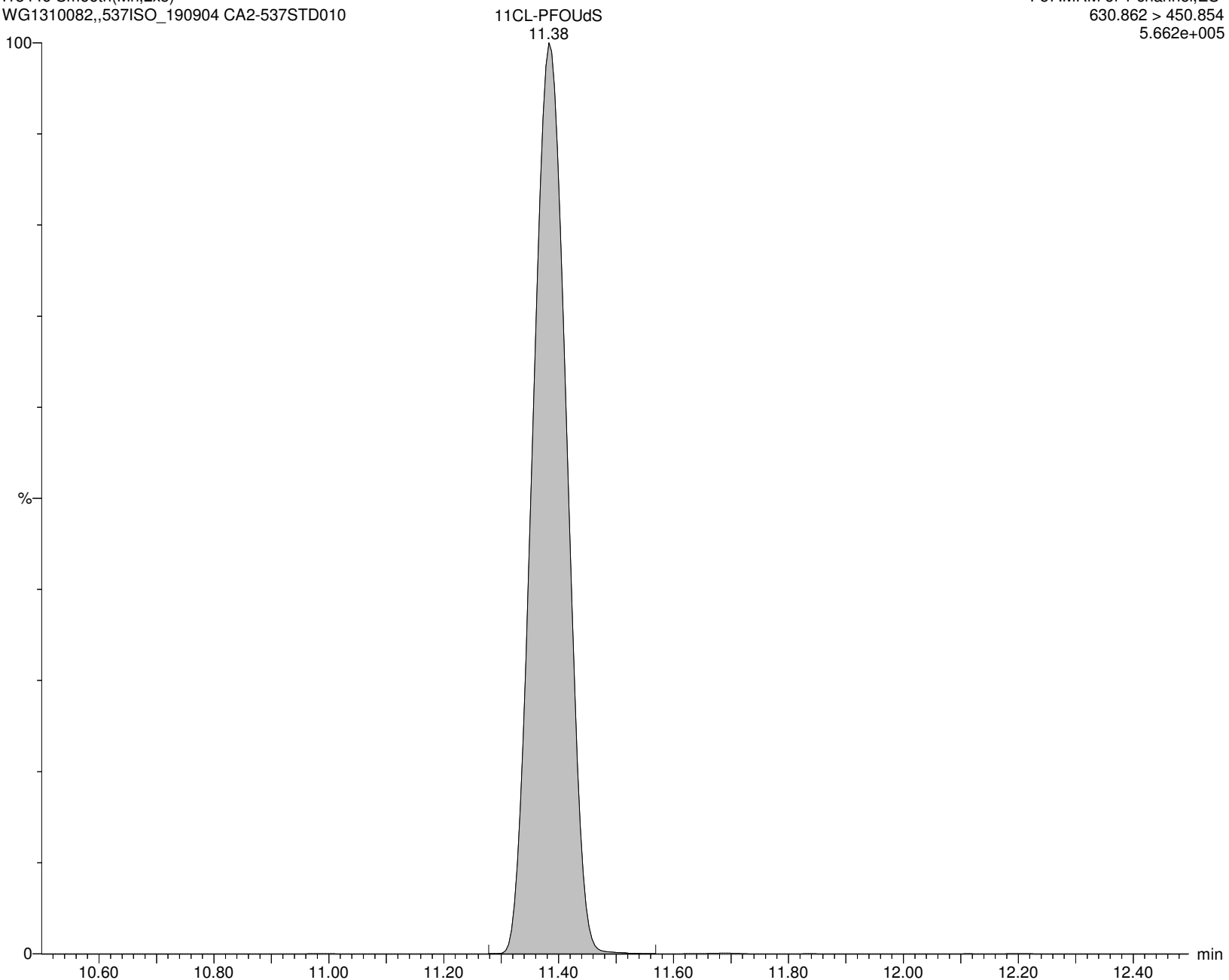
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F57:MRM of 1 channel,ES-

630.862 > 450.854

5.662e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSA

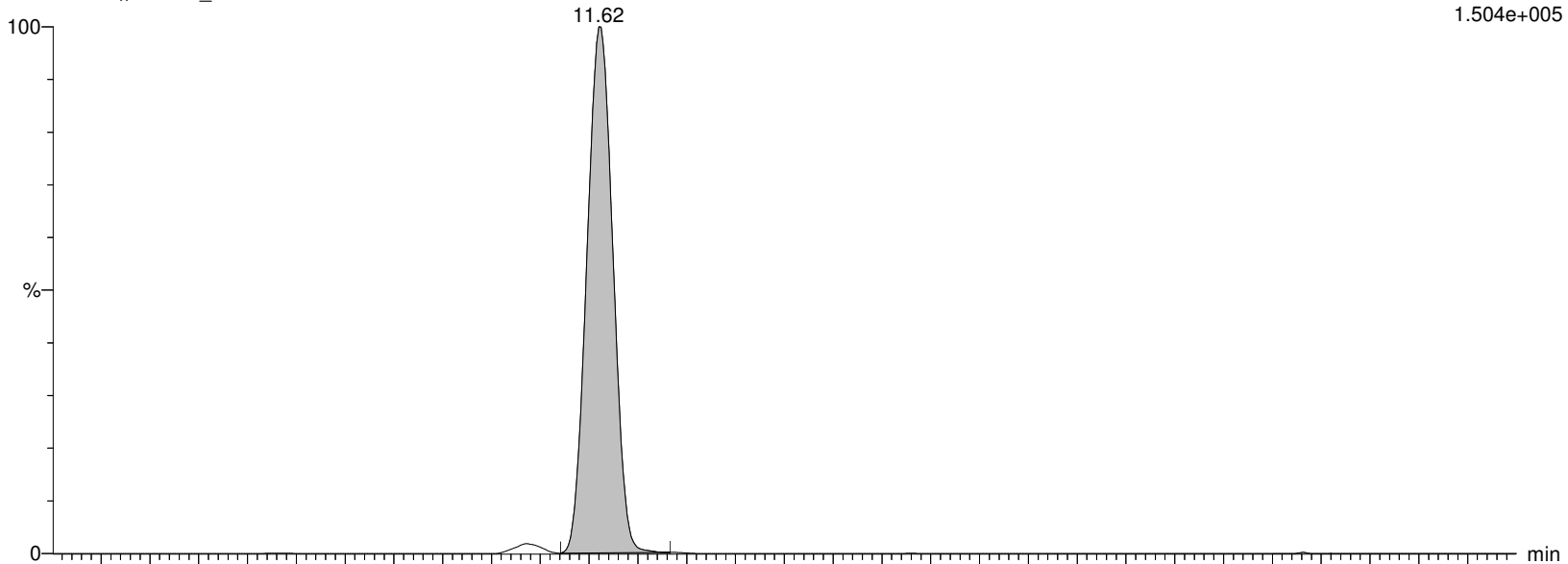
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F33:MRM of 2 channels,ES-

511.804 > 168.906

1.504e+005



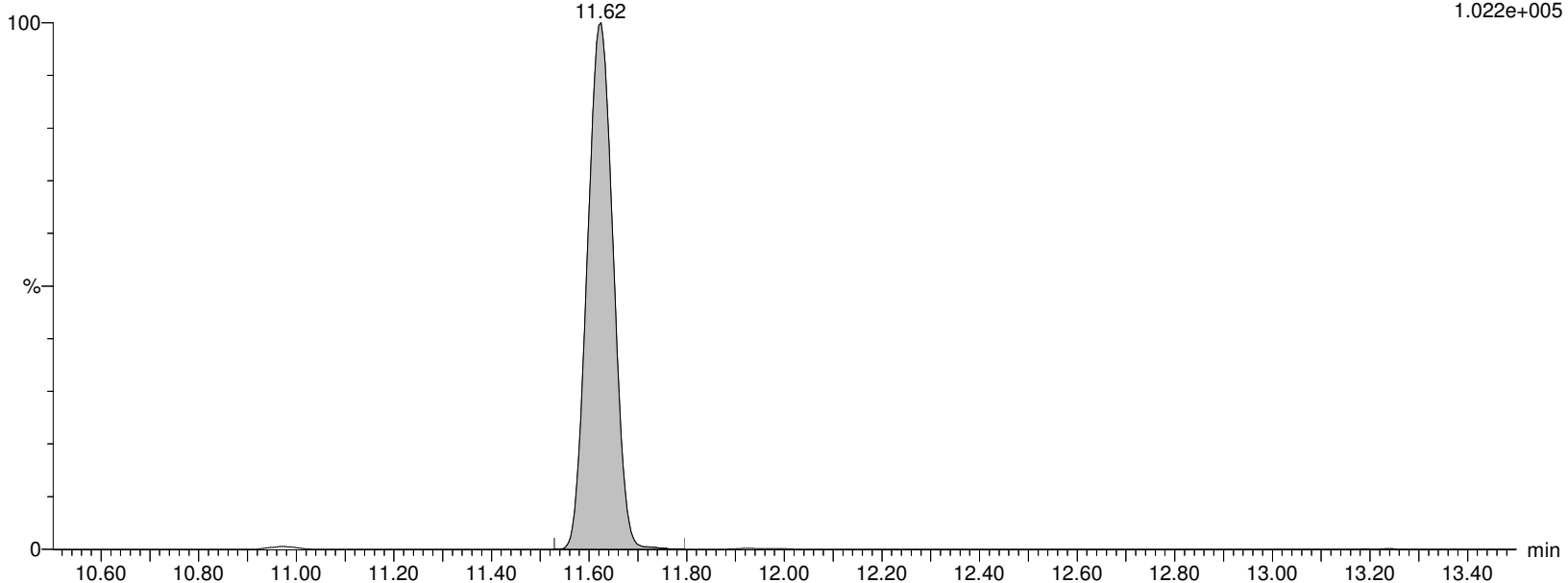
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F33:MRM of 2 channels,ES-

511.804 > 218.918

1.022e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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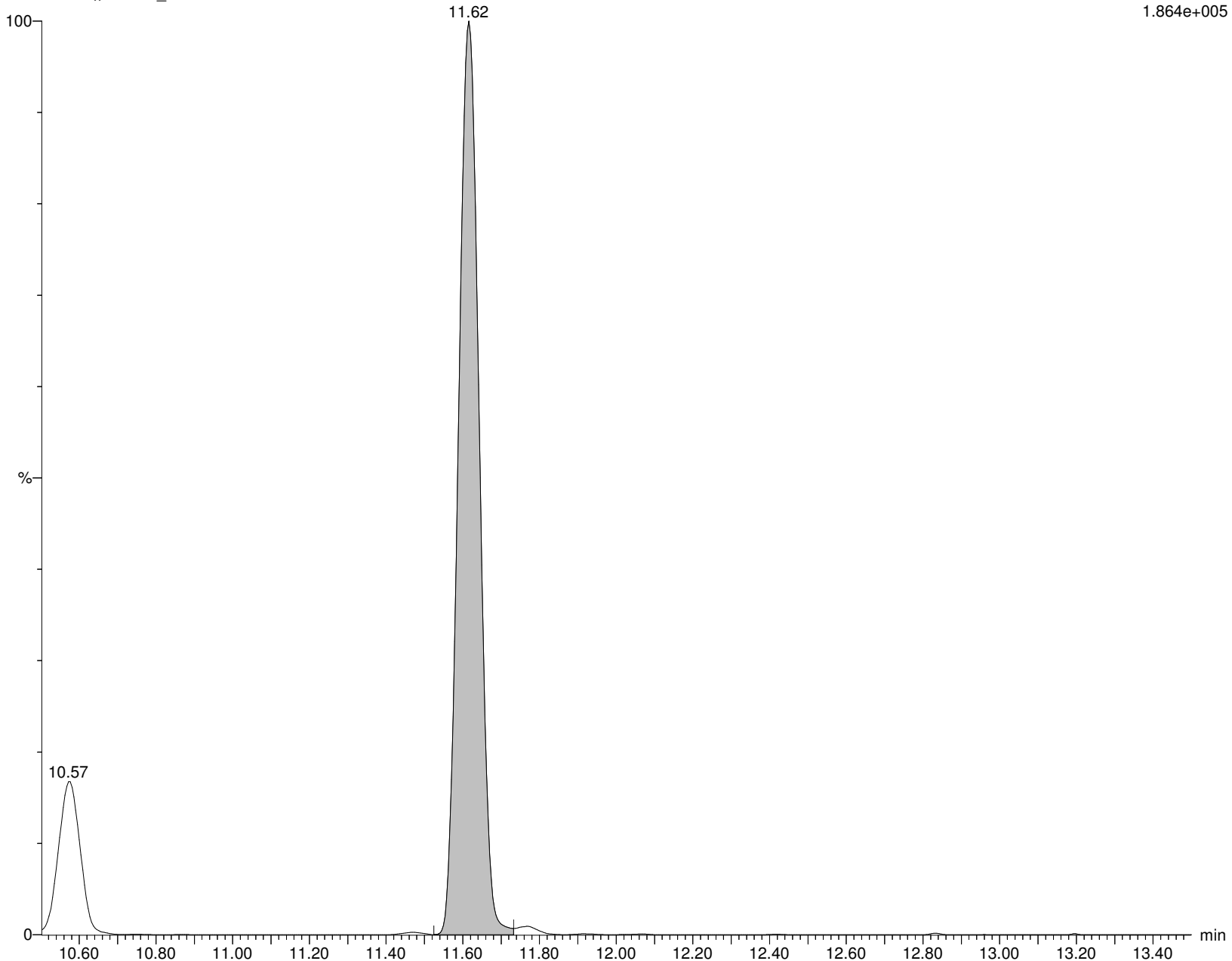
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F35:MRM of 1 channel,ES-

514.84 > 168.917

1.864e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSA

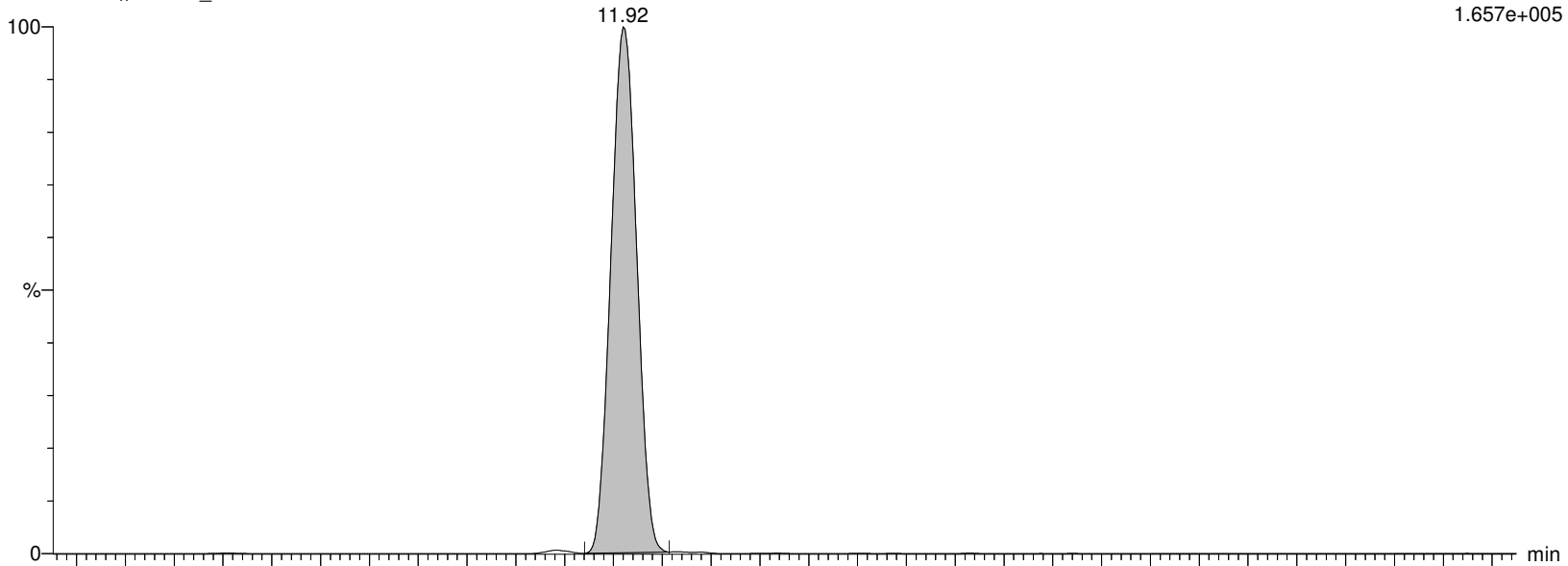
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F38:MRM of 2 channels,ES-

525.84 > 168.92

1.657e+005



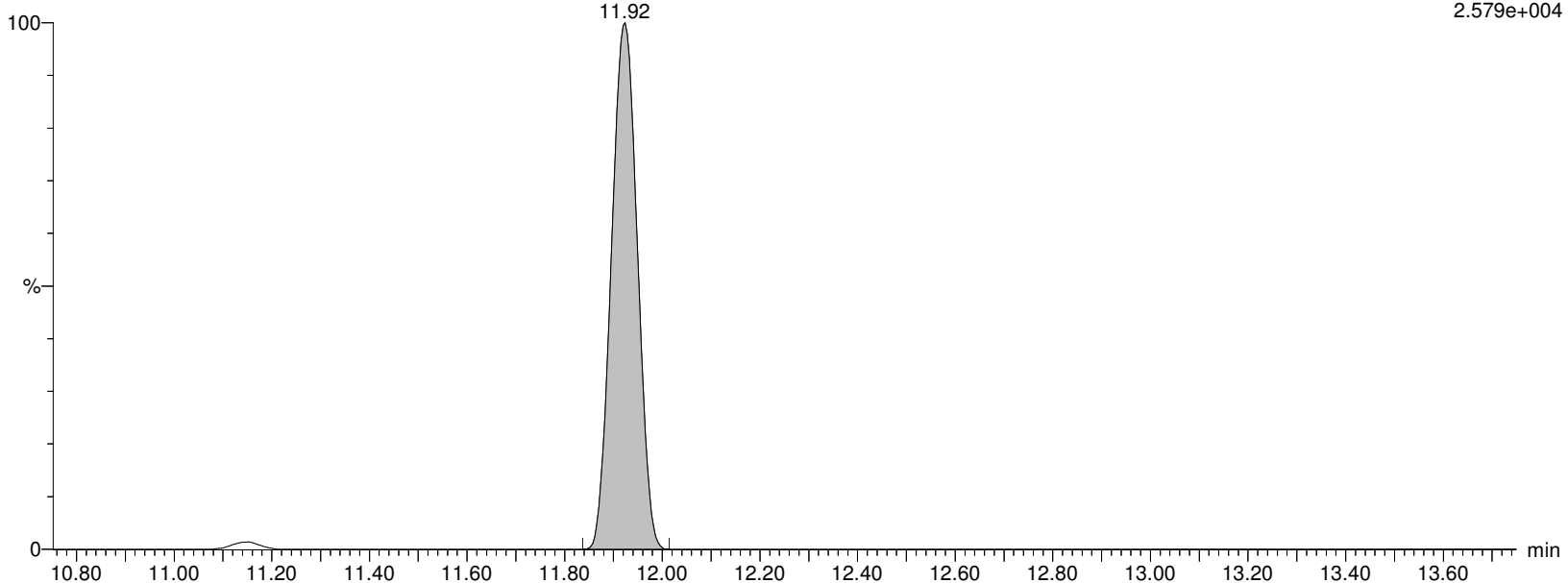
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F38:MRM of 2 channels,ES-

525.84 > 118.893

2.579e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSA

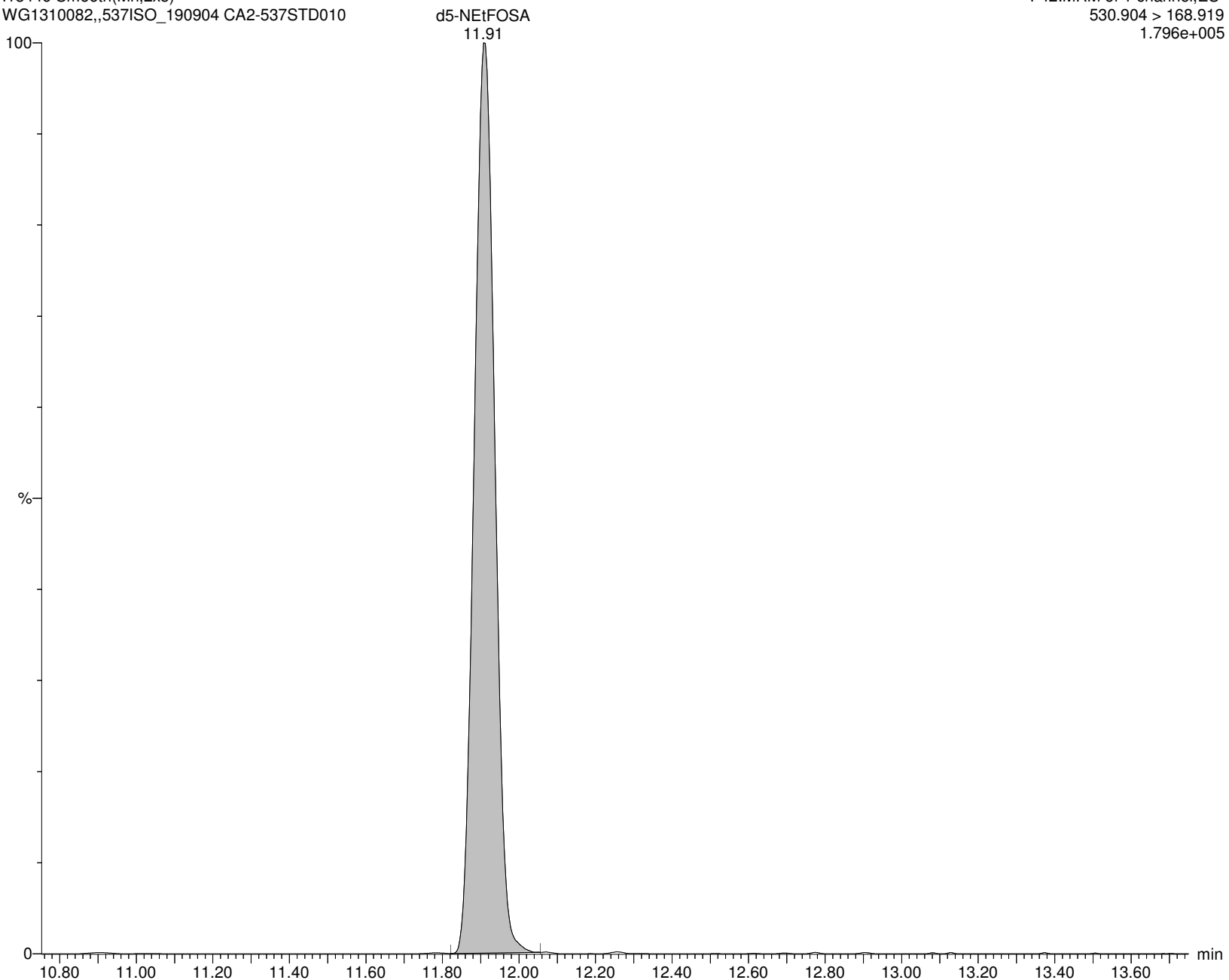
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F42:MRM of 1 channel,ES-

530.904 > 168.919

1.796e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446**ID: CA2-537STD010****Date: 18-Nov-2019****Time: 14:05:52****Description: WG1310082,,537ISO_190904****User: LCMS02:JW****Vial: 1:B,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NMeFOSE**

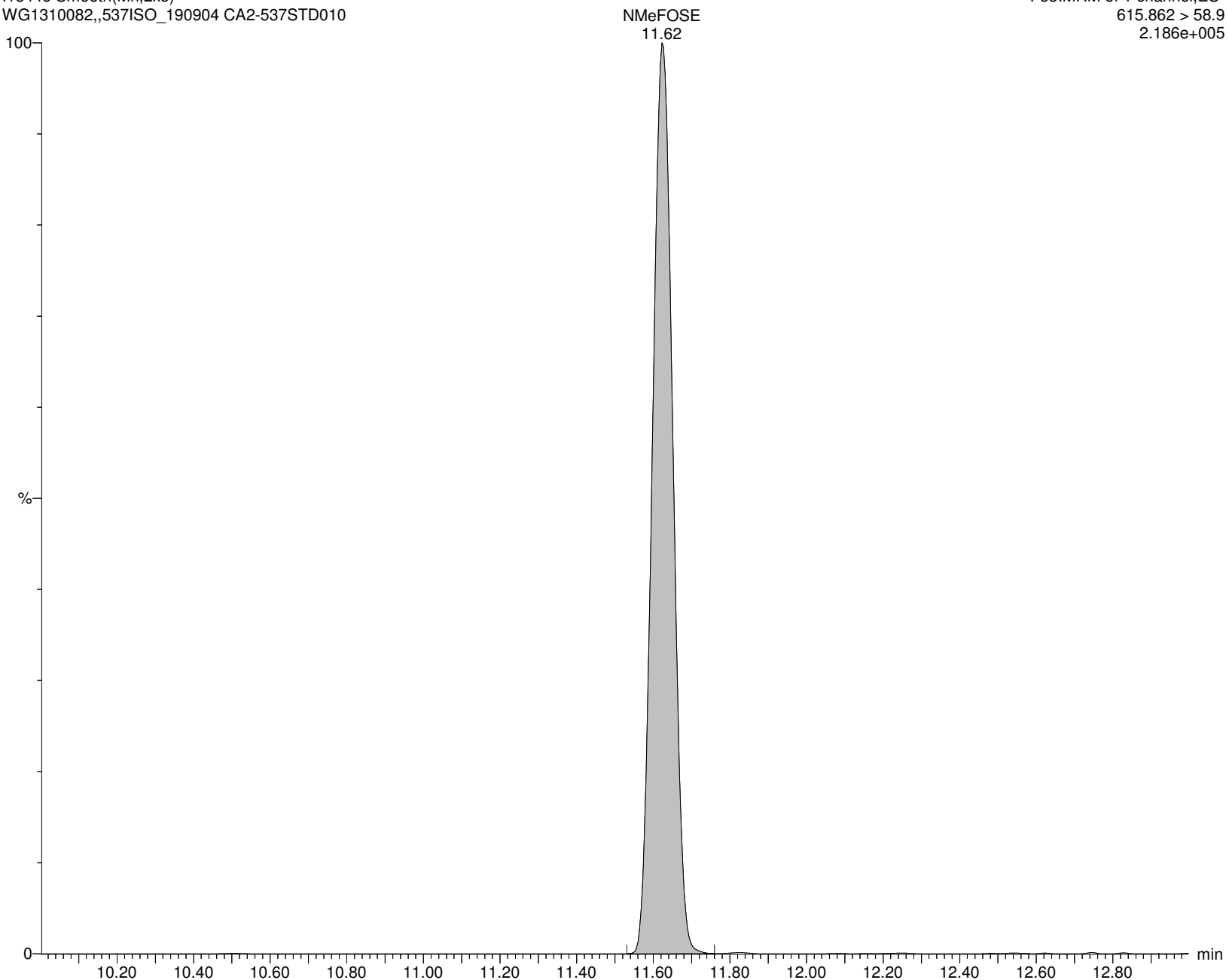
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F53:MRM of 1 channel,ES-

615.862 > 58.9

2.186e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d7-NMeFOSE

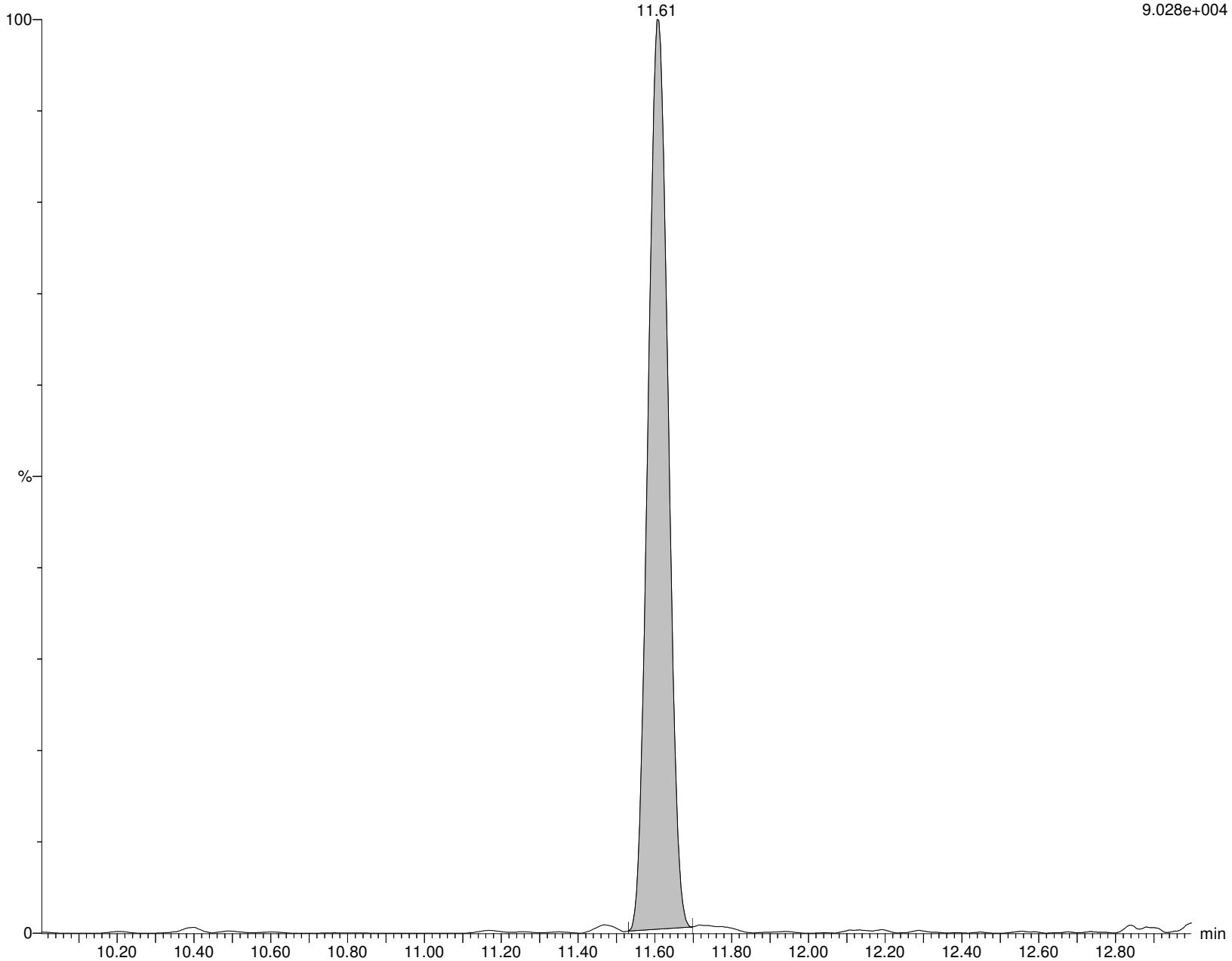
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F54:MRM of 1 channel,ES-

622.84 > 58.964

9.028e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\ICV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSE

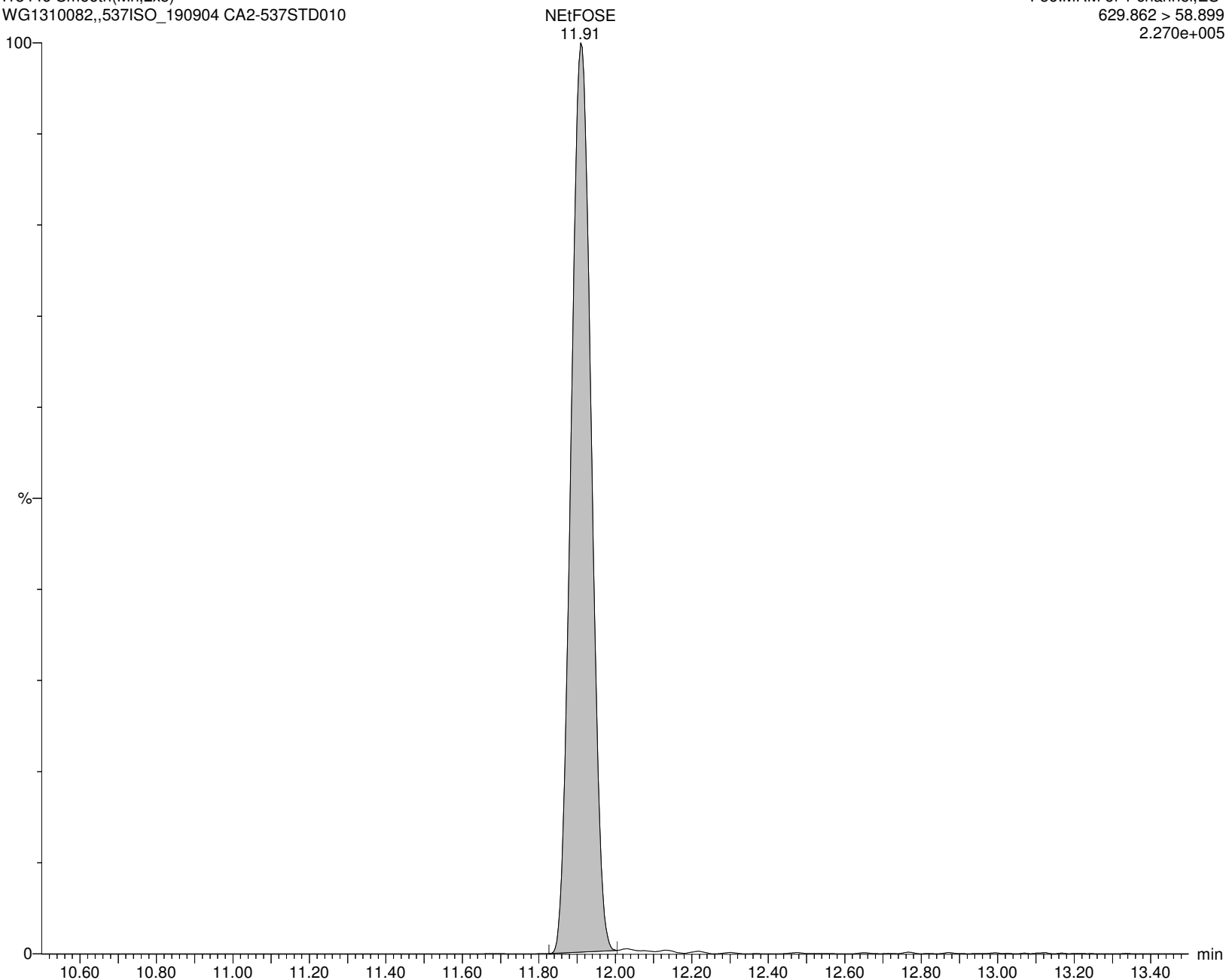
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F56:MRM of 1 channel,ES-

629.862 > 58.899

2.270e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\WG1310082\CV.qld

Last Altered: Monday, November 18, 2019 14:24:08 Eastern Standard Time

Printed: Monday, November 18, 2019 14:24:51 Eastern Standard Time

Name: I13446

ID: CA2-537STD010

Date: 18-Nov-2019

Time: 14:05:52

Description: WG1310082,,537ISO_190904

User: LCMS02:JW

Vial: 1:B,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d9-NEtFOSE

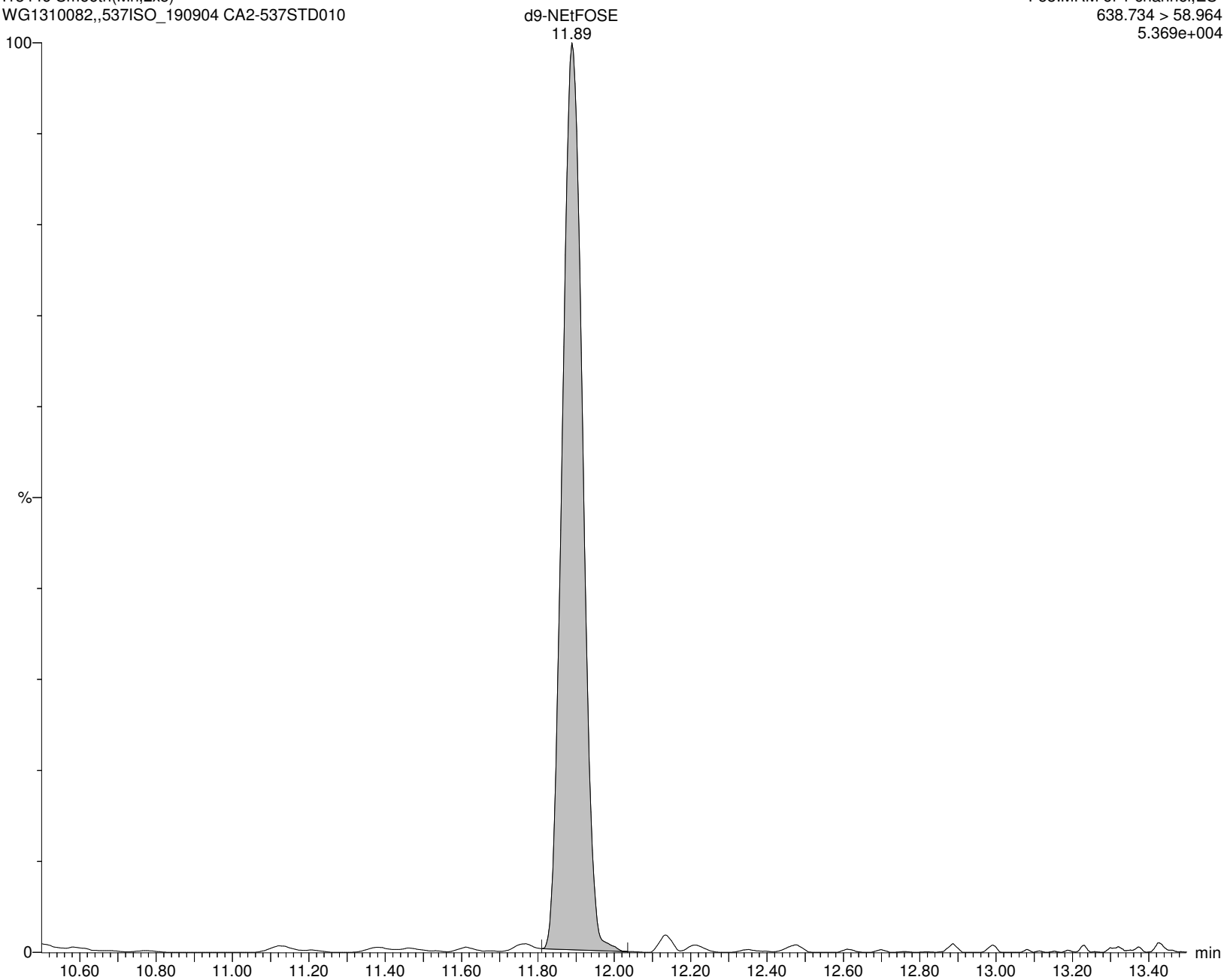
I13446 Smooth(Mn,2x5)

WG1310082,,537ISO_190904 CA2-537STD010

F58:MRM of 1 channel,ES-

638.734 > 58.964

5.369e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:42:01

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: TECHSTD_190520A

Name: I13447

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	br-PFOA	335-67-1	8.97	412.989 > 368.9	60850	M5	5.471	36.51	NO	
2	L-PFOA	335-67-1	9.19	412.989 > 368.9	412670		37.100	10.04	NO	
3	PFOA	335-67-1		412.989 > 368.9	473520		42.570		na	
4	br-PFOS	1763-23-1	9.74	498.989 > 80.294	13931	M5	11.735	11.56	NO	
5	L-PFOS	1763-23-1	9.99	498.989 > 80.294	20493		23.891	1.48	YES	
6	PFOS	1763-23-1		498.989 > 80.294	34424		35.625		na	
7	br-NMeFOSAA	2355-31-9	10.80	570.053 > 418.917	5151	M5	5.017	1.38	NO	
8	L-NMeFOSAA	2355-31-9	10.96	570.053 > 418.917	45978		44.787	2.68	NO	
9	NMeFOSAA	2355-31-9		570.053 > 418.917	51129		49.805		na	
10	br-NEtFOSAA	2991-50-6	11.10	583.989 > 418.927	6465	M5	6.775	2.72	NO	
11	L-NEtFOSAA	2991-50-6	11.25	583.989 > 418.927	36796		38.557	2.41	NO	
12	NEtFOSAA	2991-50-6		583.989 > 418.927	43261		45.331		na	

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Method: C:\MassLynx\Data\2019\191118_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 18 Nov 2019 13:42:01

Calibration: C:\MassLynx\Data\2019\191118_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

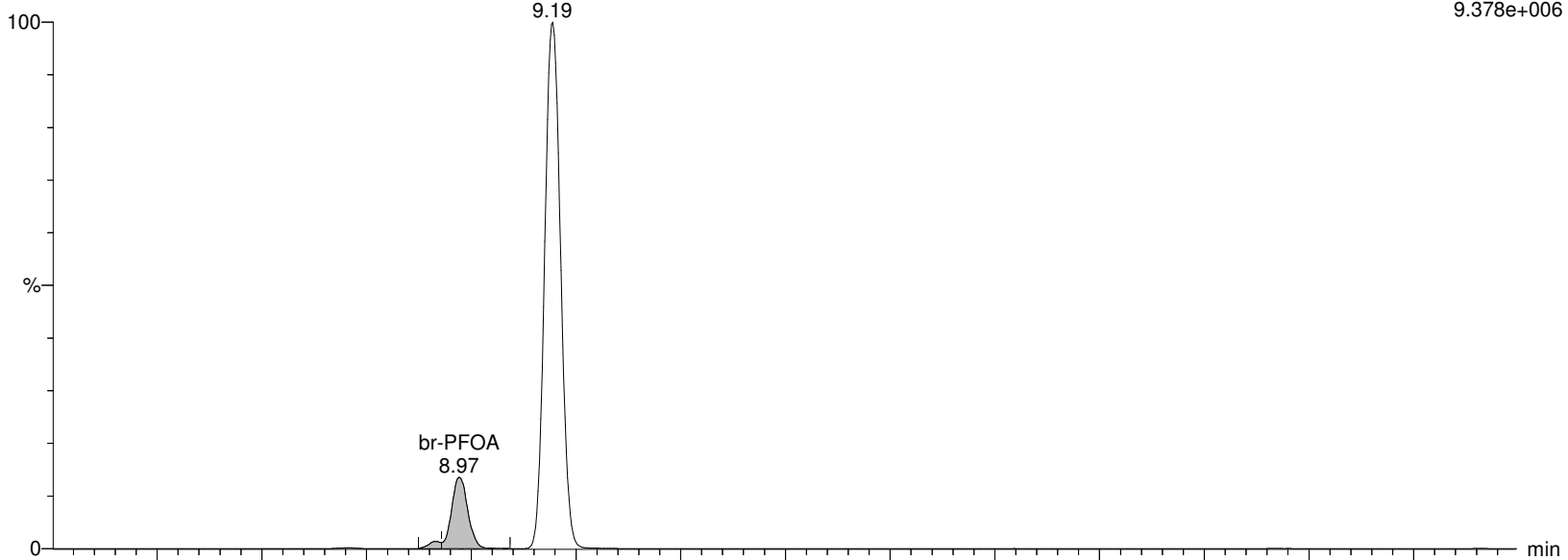
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 368.9

9.378e+006



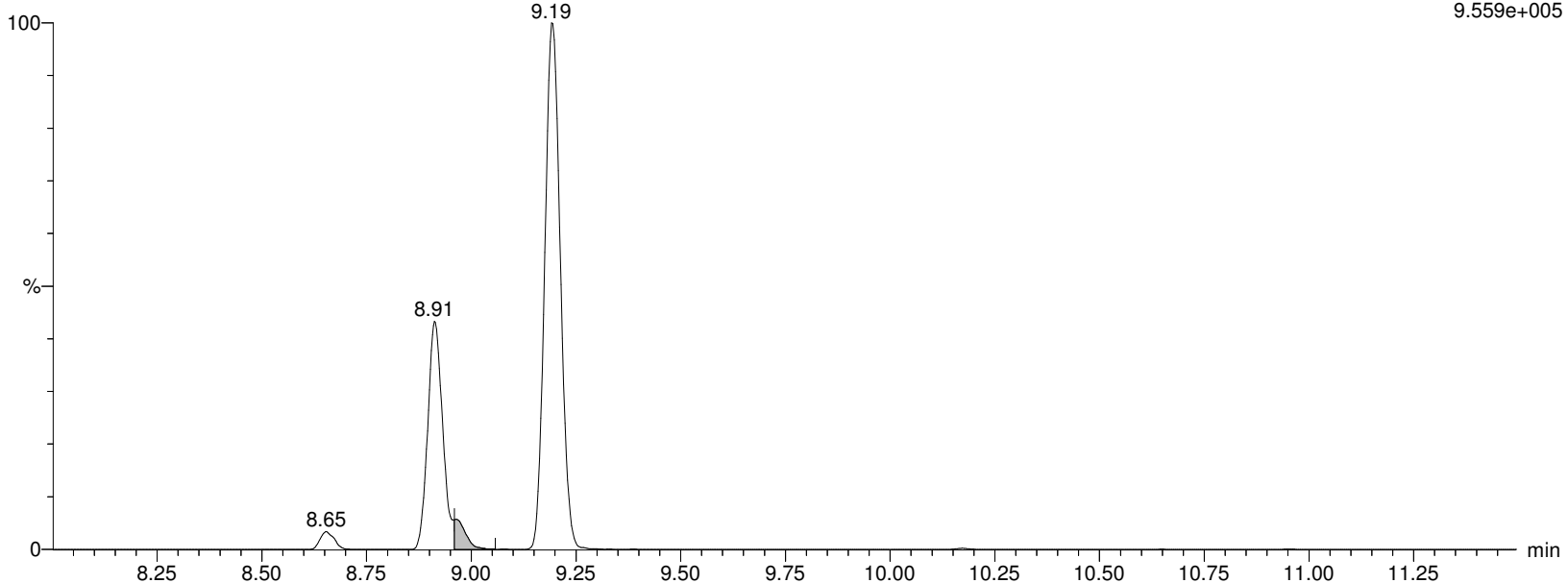
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.559e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

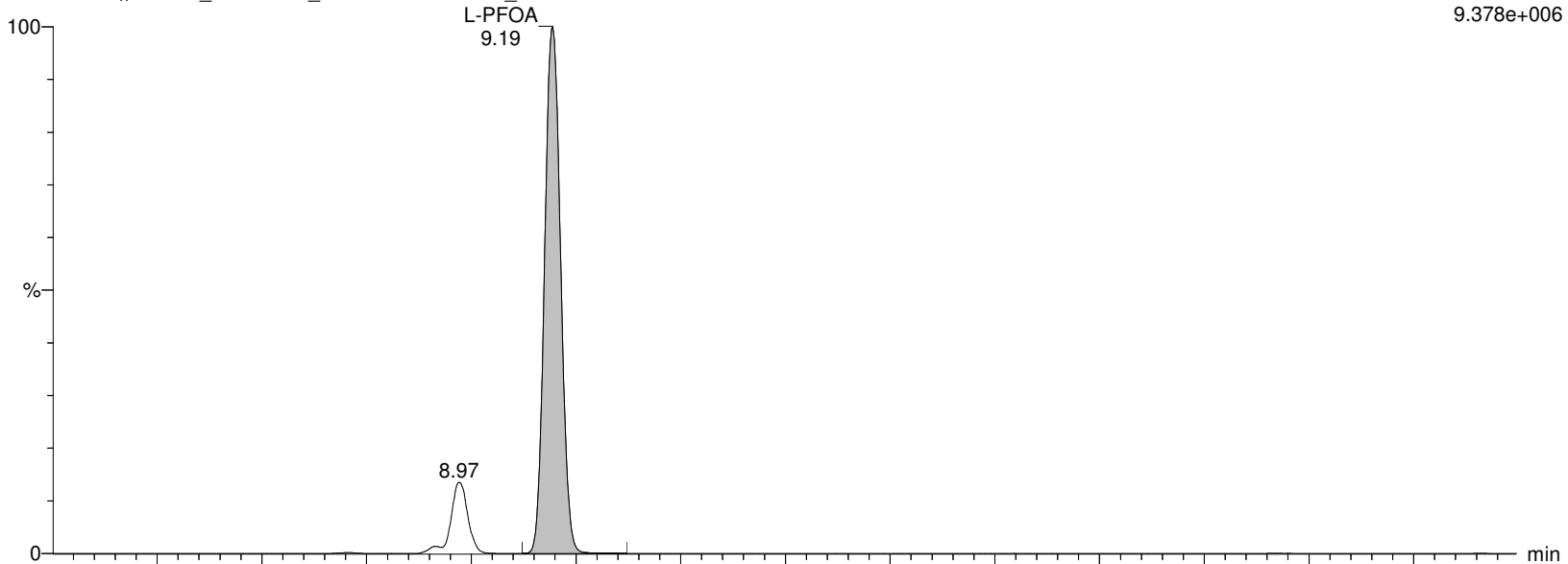
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 368.9

9.378e+006



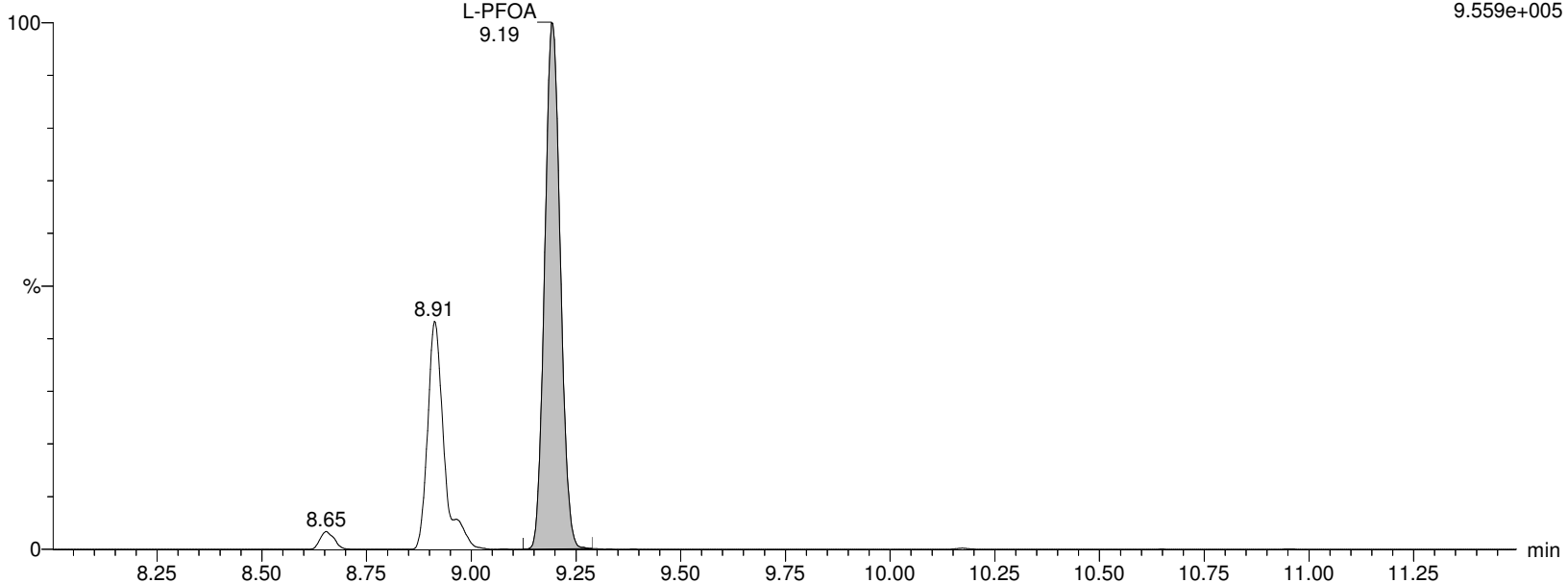
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.559e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

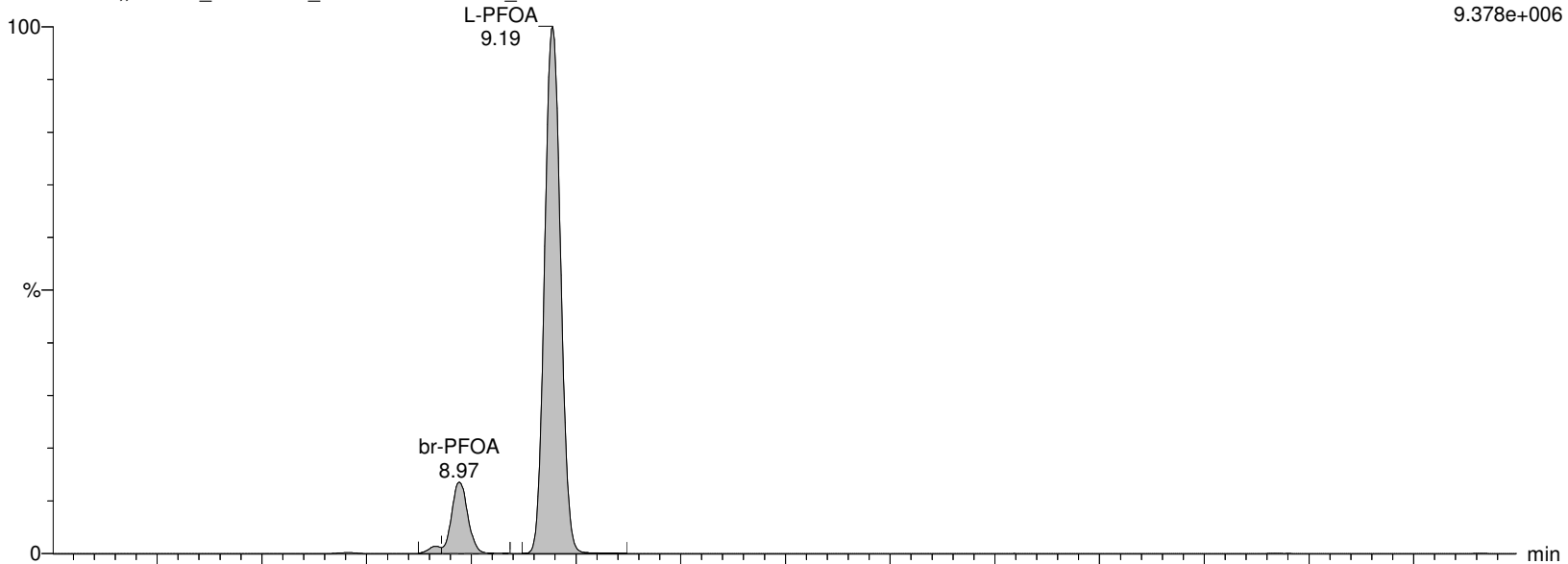
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 368.9

9.378e+006



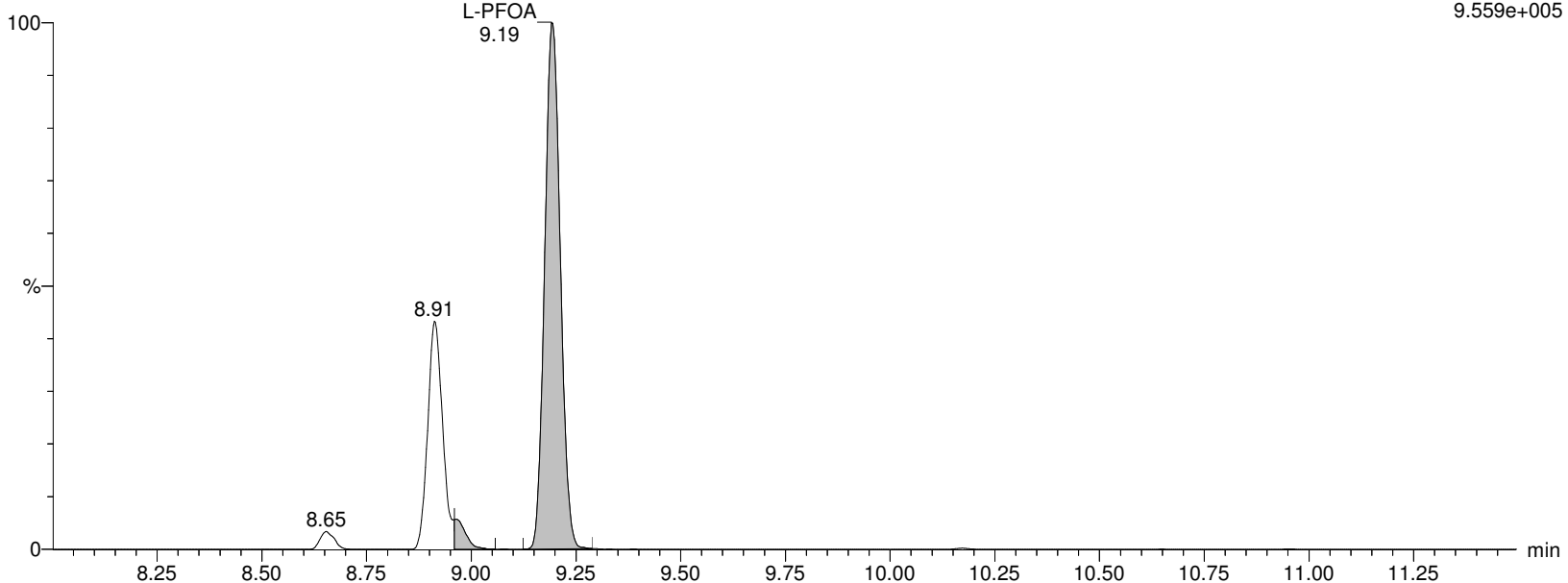
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WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F20:MRM of 2 channels,ES-

412.989 > 219.08

9.559e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

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Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

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User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

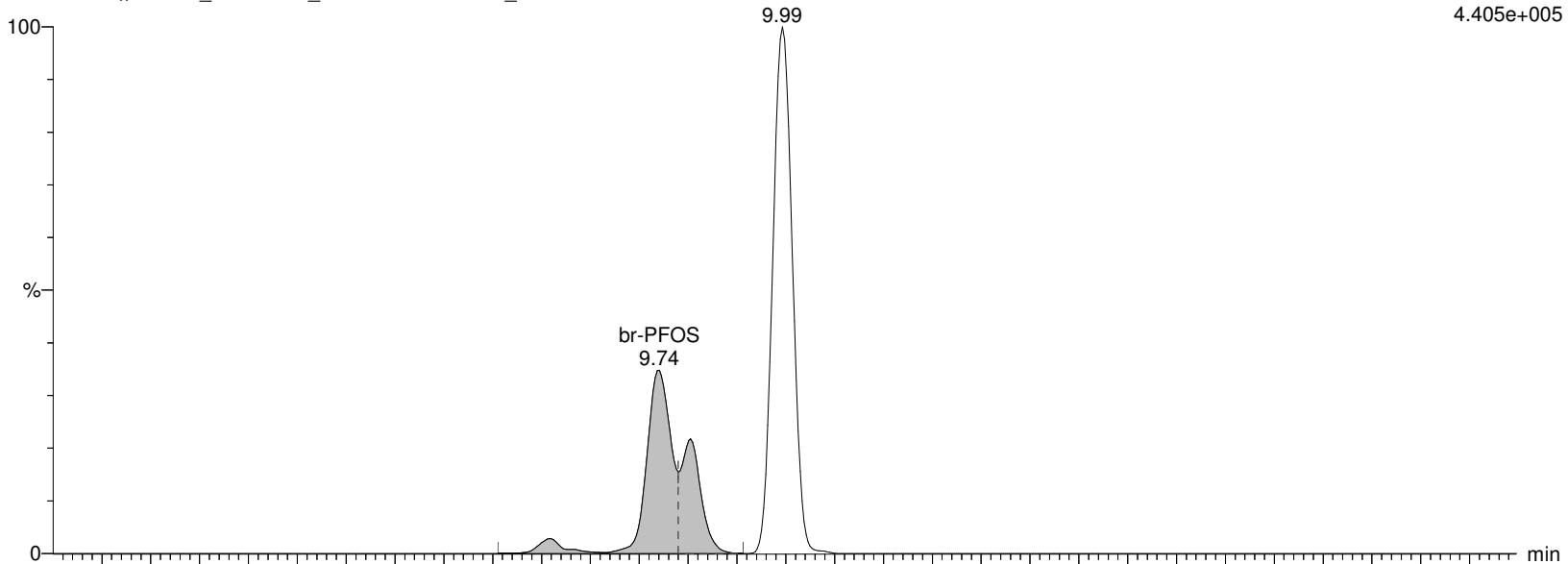
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.405e+005



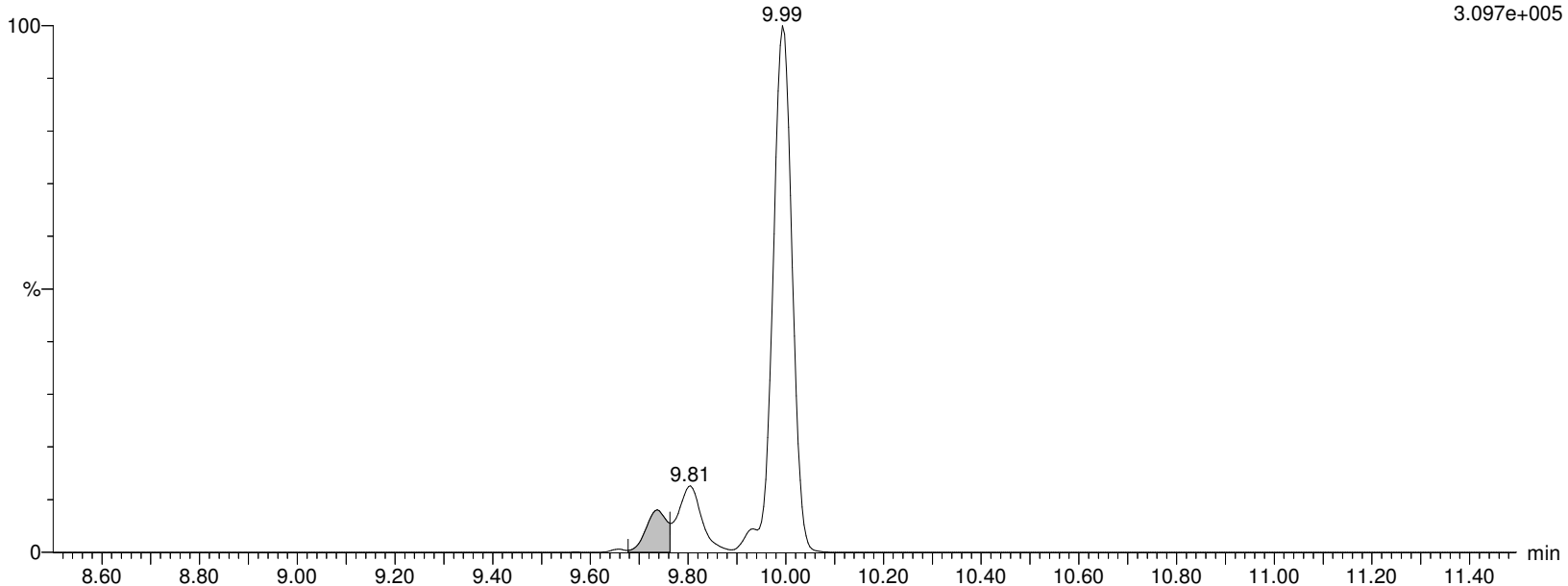
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

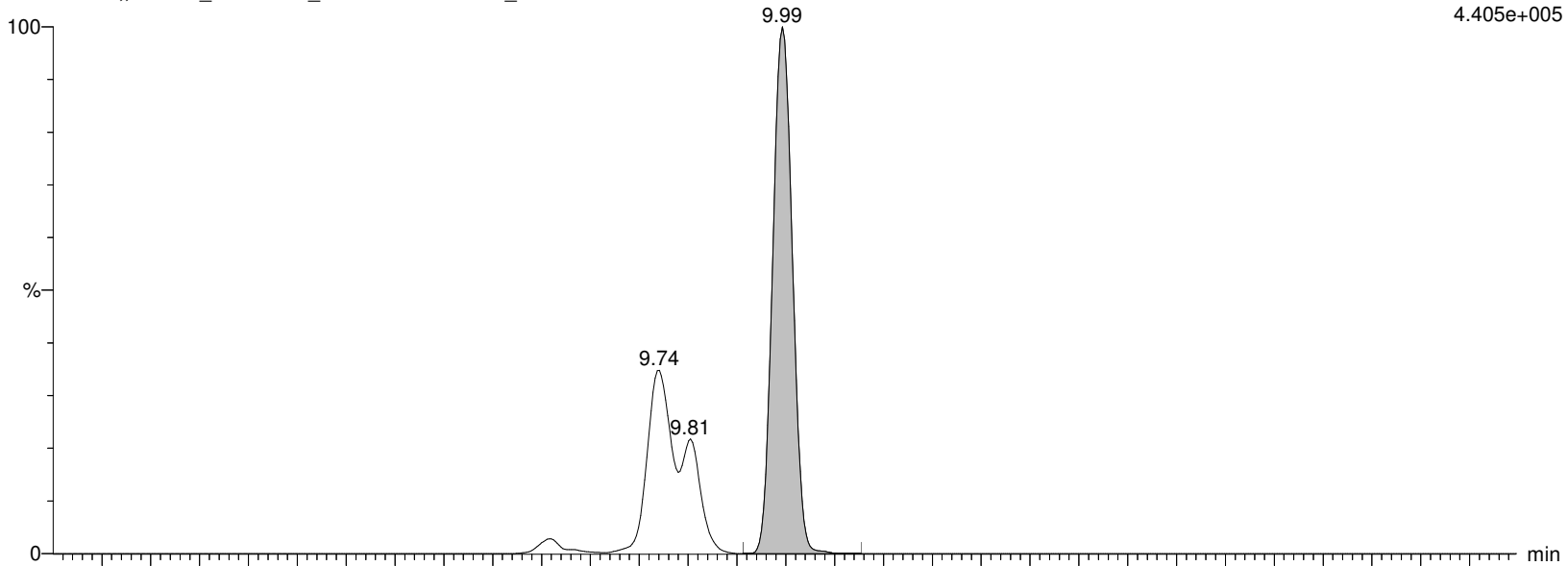
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.405e+005



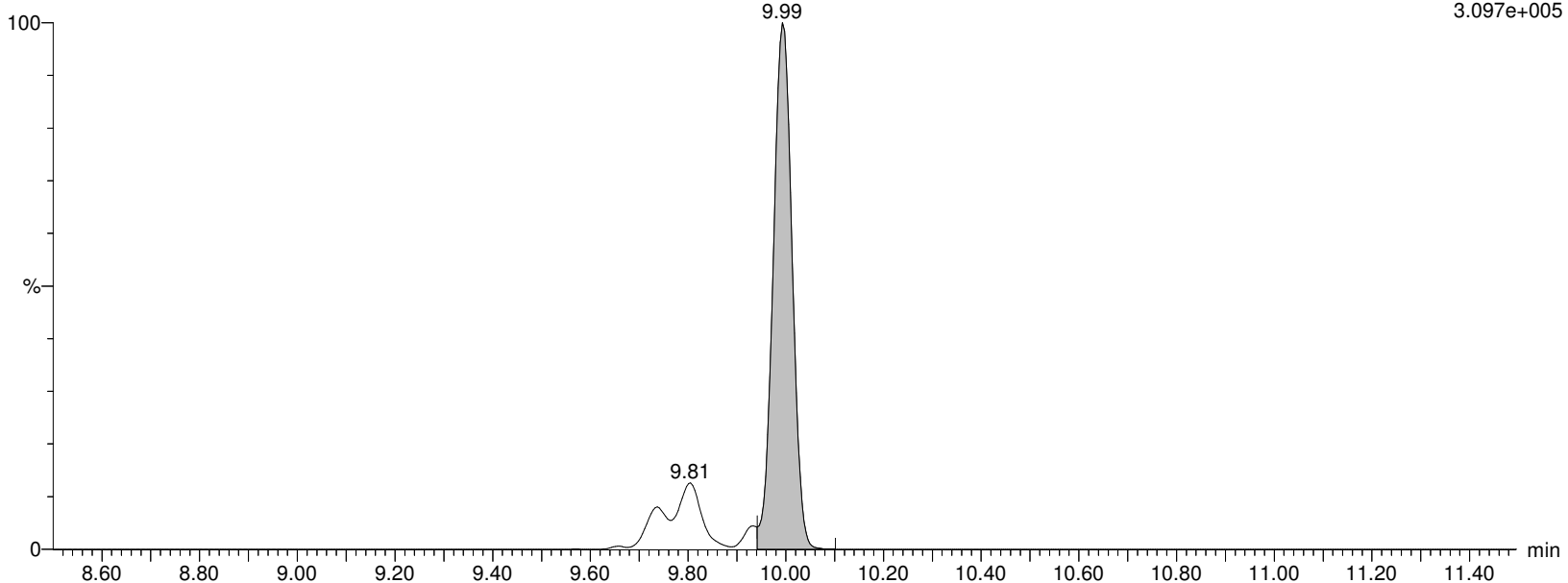
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

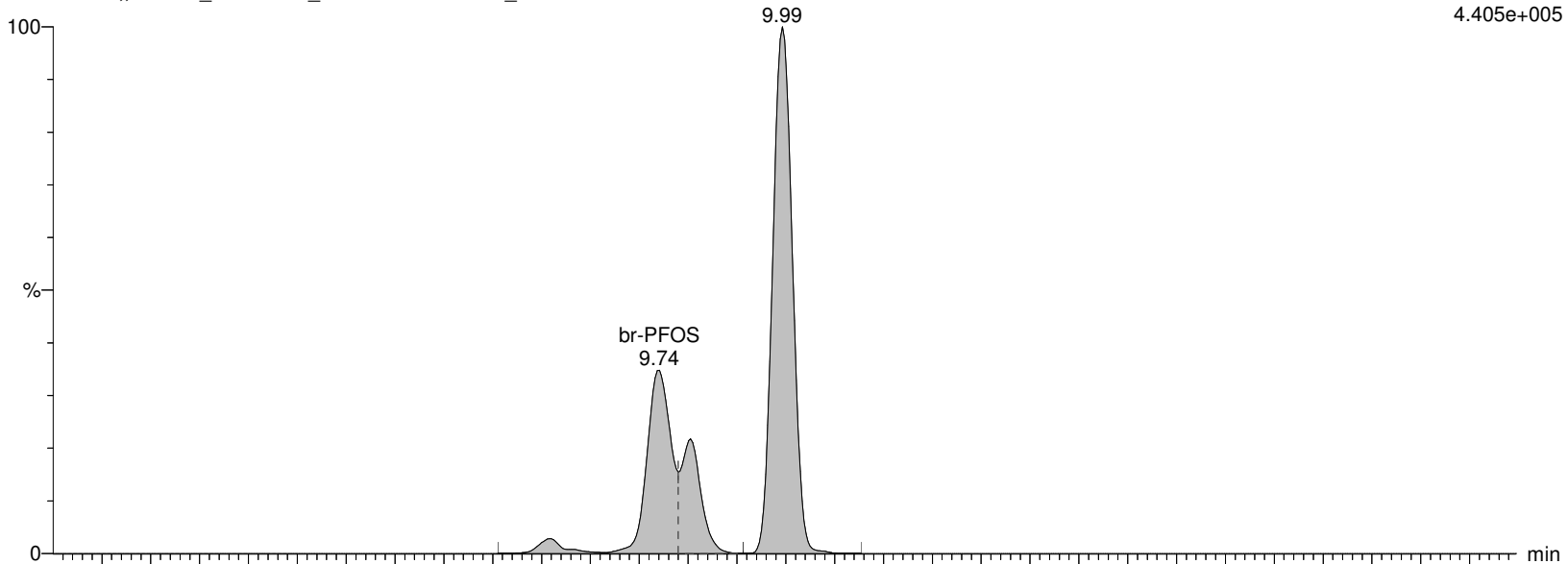
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 80.294

4.405e+005



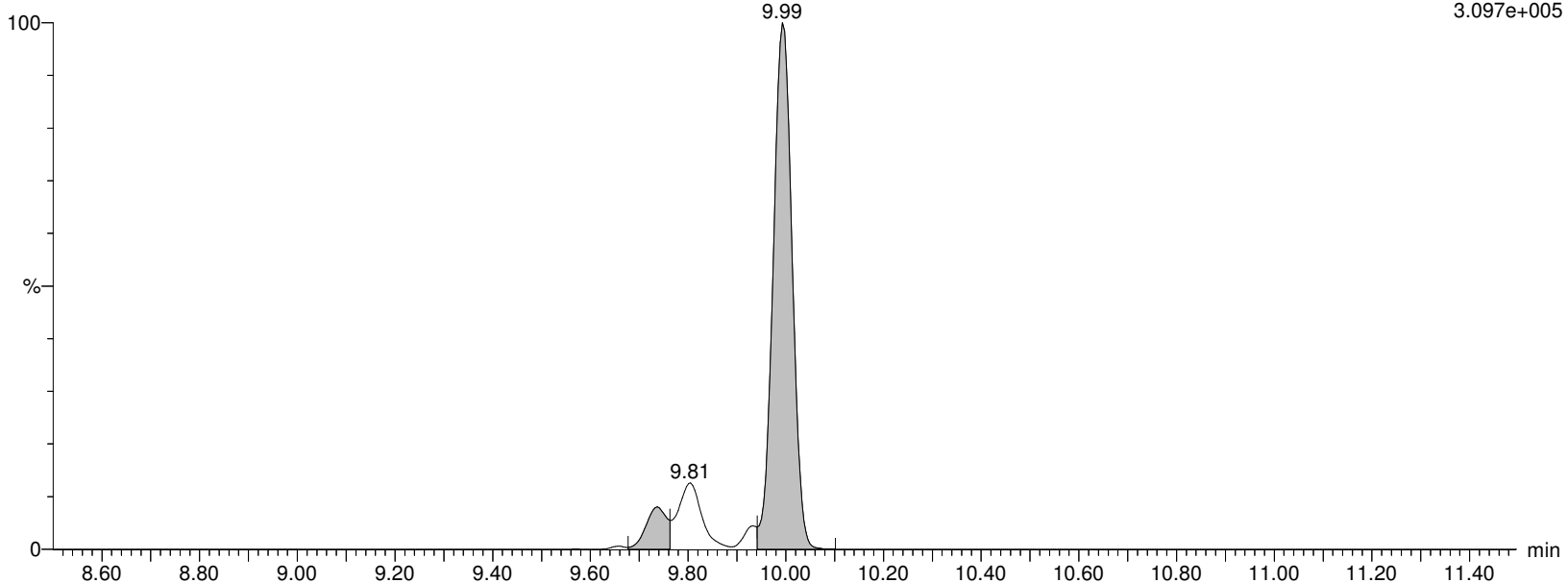
I13447 Smooth(Mn,3x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F29:MRM of 2 channels,ES-

498.989 > 99.27

3.097e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

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Name: I13447

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Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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br-NMeFOSAA

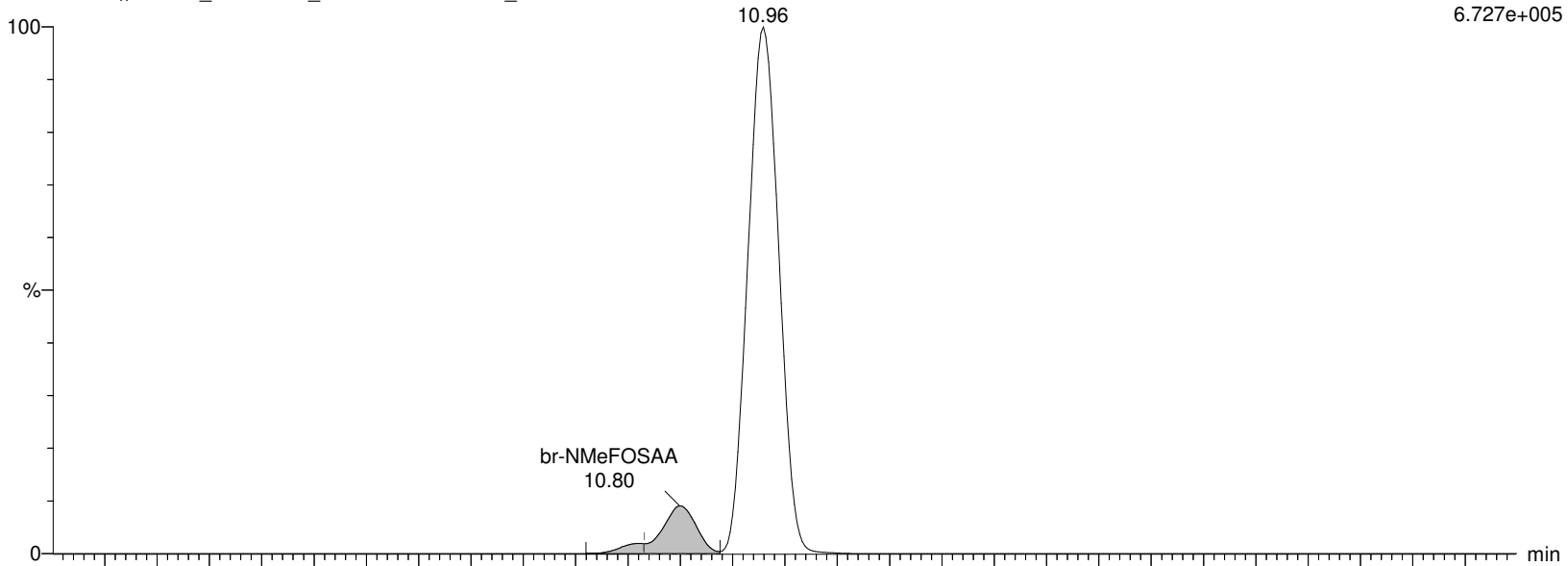
I13447 Smooth(Mn,2x5)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.727e+005



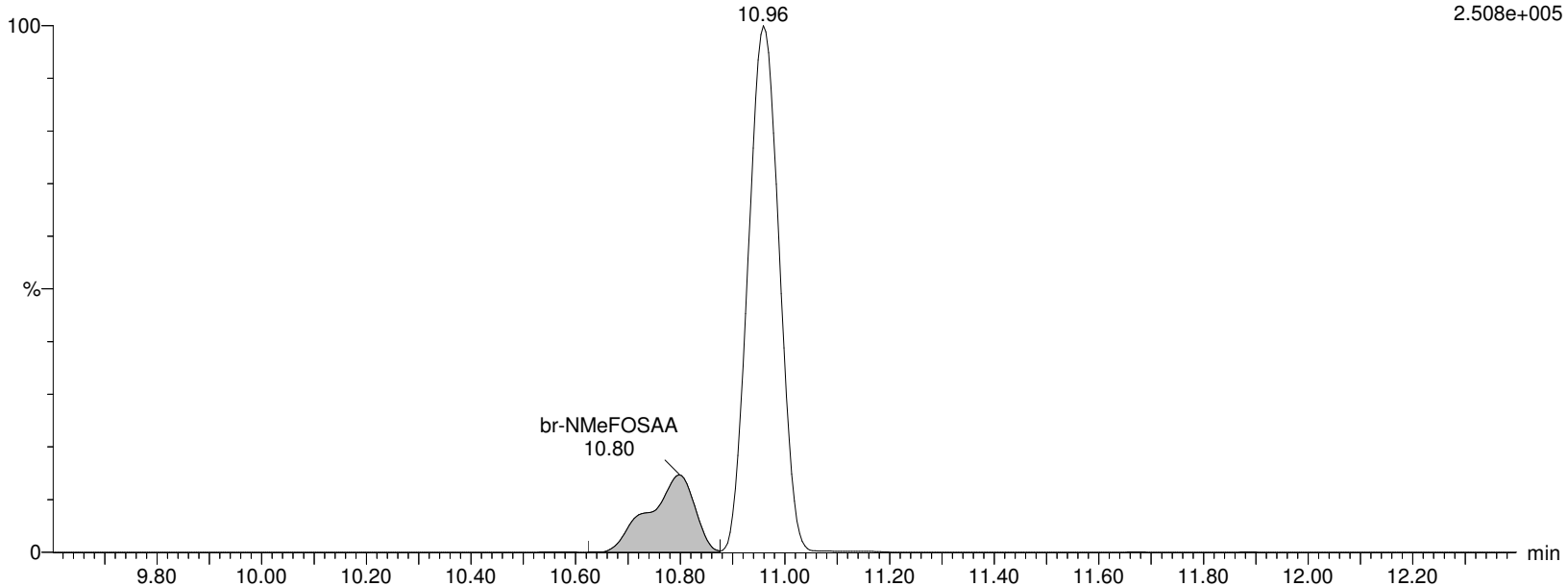
I13447 Smooth(Mn,2x5)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.508e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

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User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

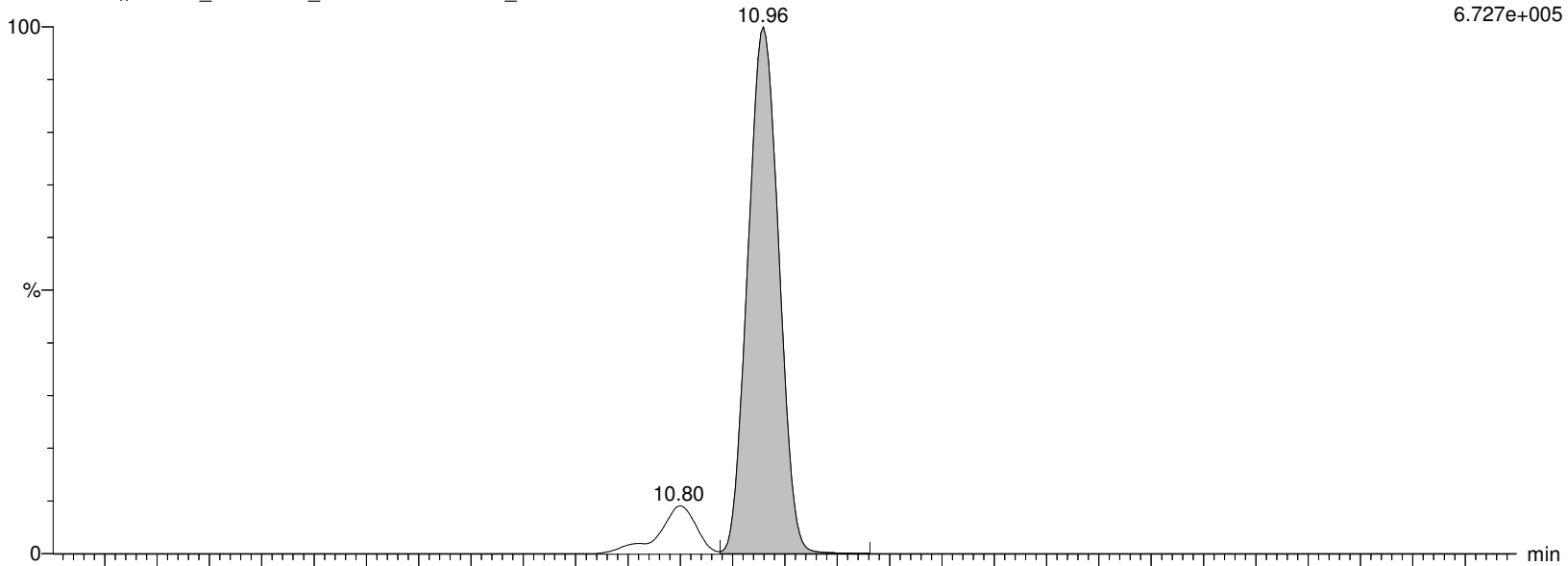
I13447 Smooth(Mn,2x5)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.727e+005



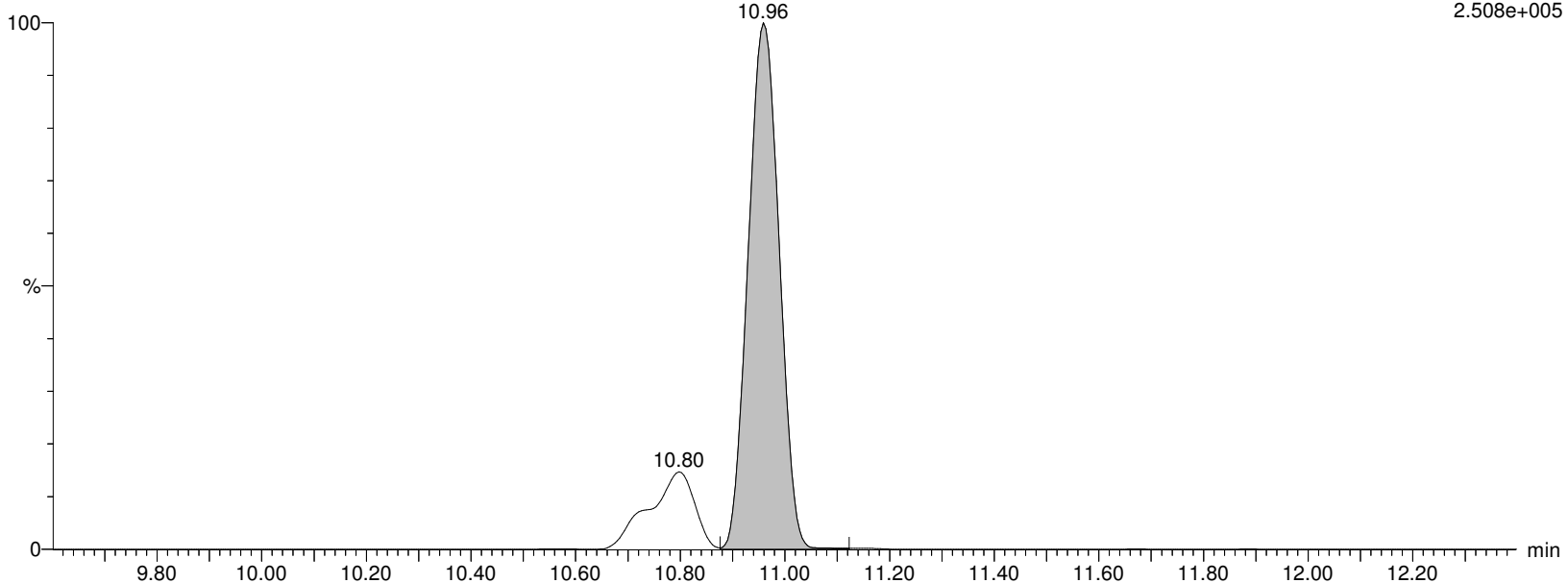
I13447 Smooth(Mn,2x5)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.508e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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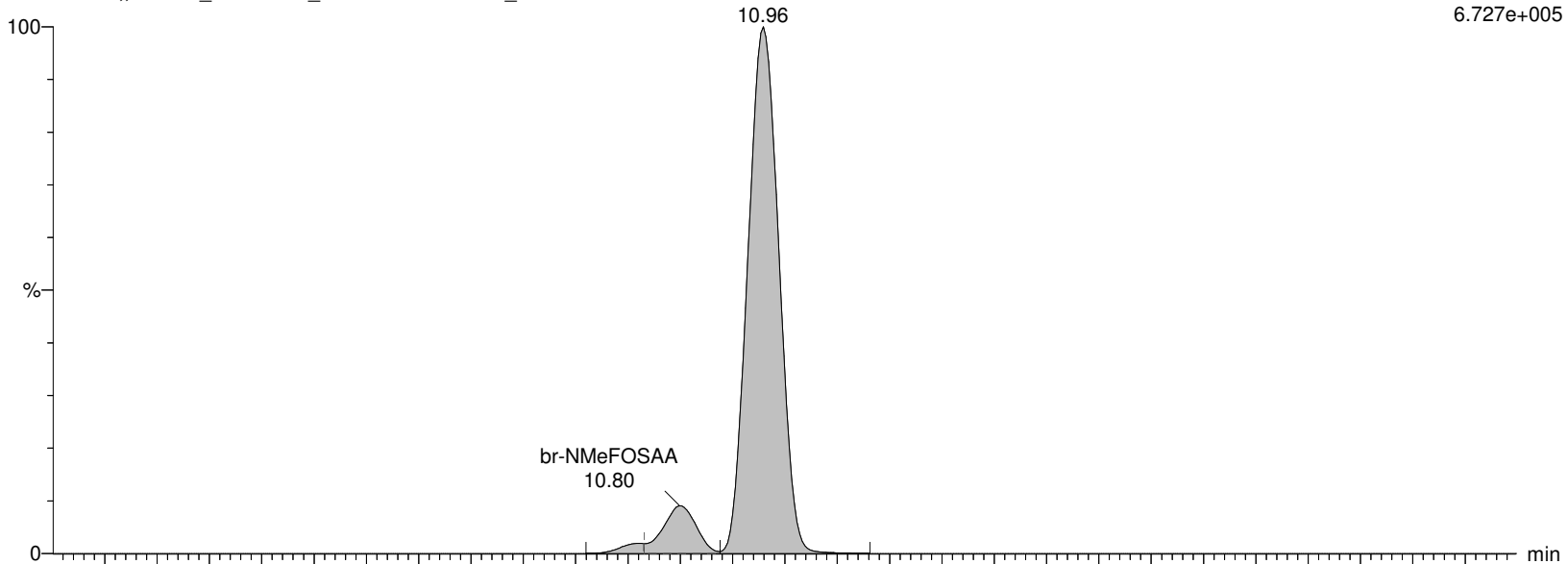
I13447 Smooth(Mn,2x5)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

570.053 > 418.917

6.727e+005



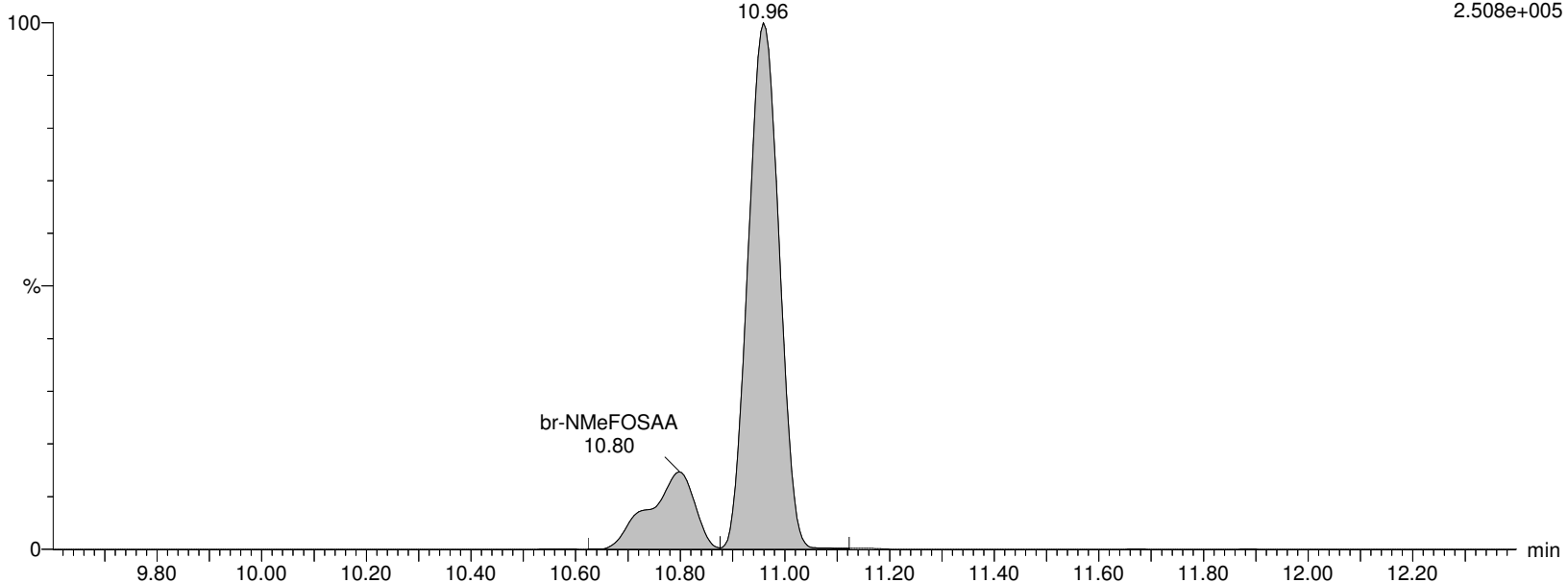
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WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.508e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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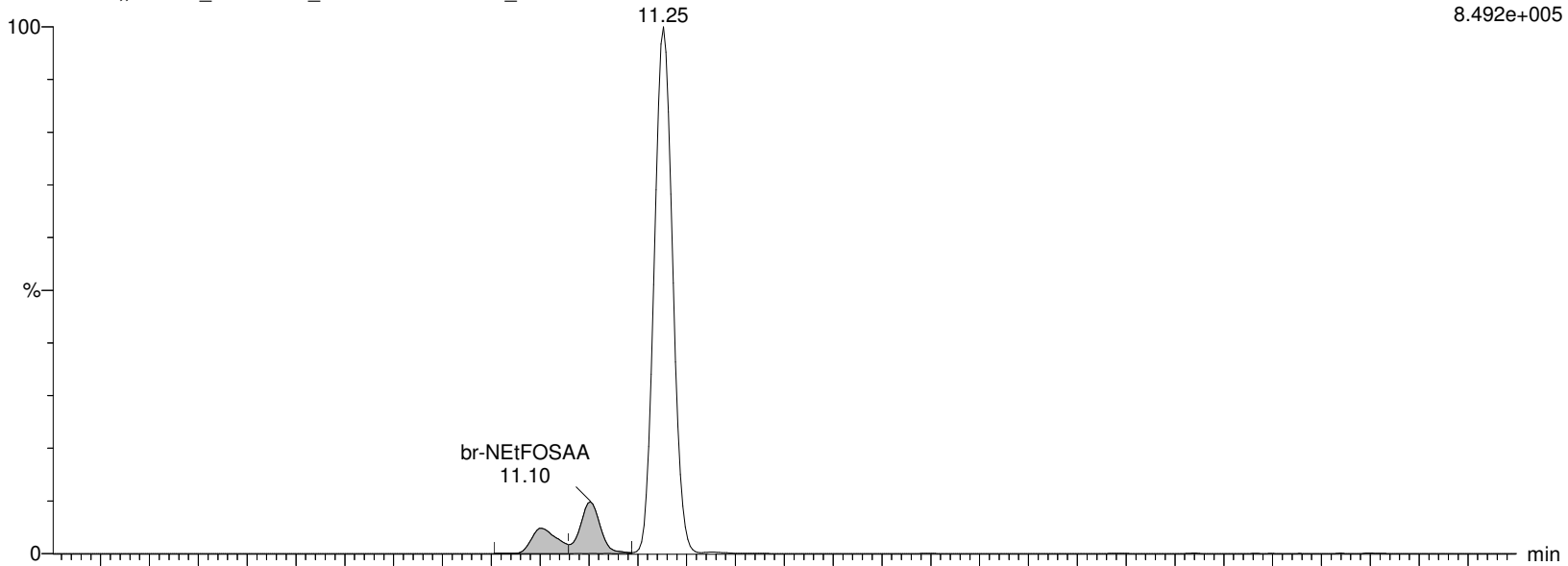
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WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F48:MRM of 2 channels,ES-

583.989 > 418.927

8.492e+005



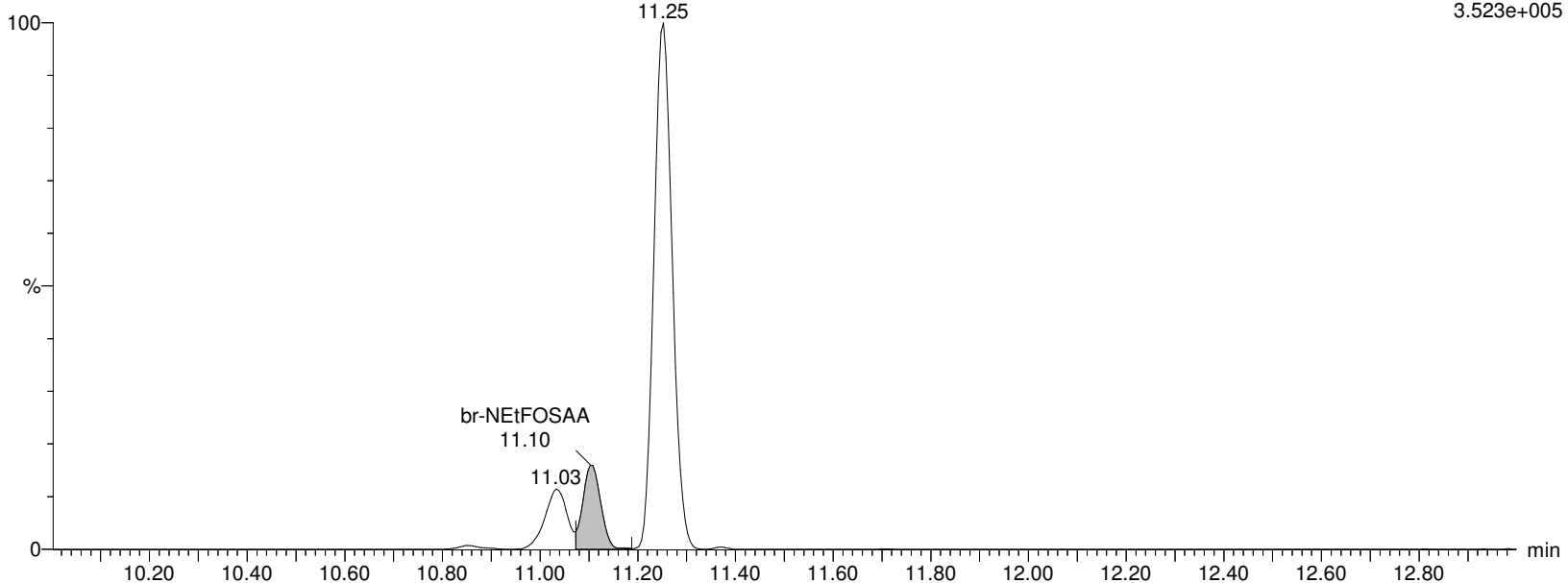
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F48:MRM of 2 channels,ES-

583.989 > 482.88

3.523e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

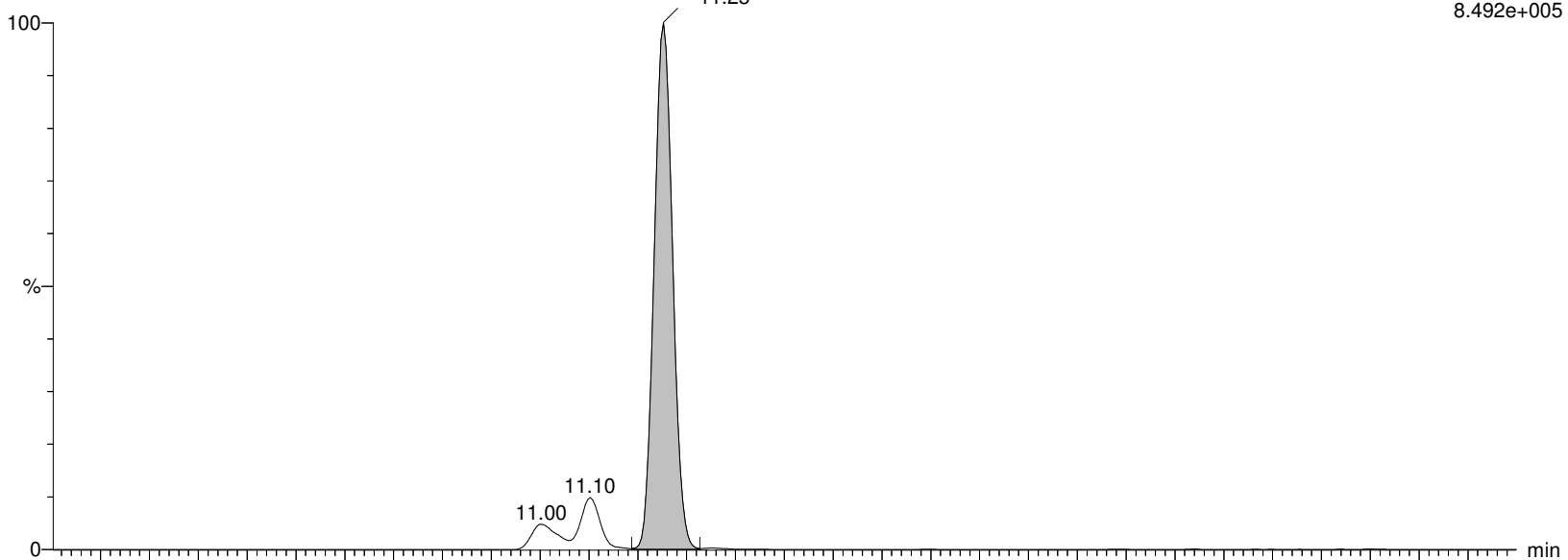
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L-NEtFOSAA

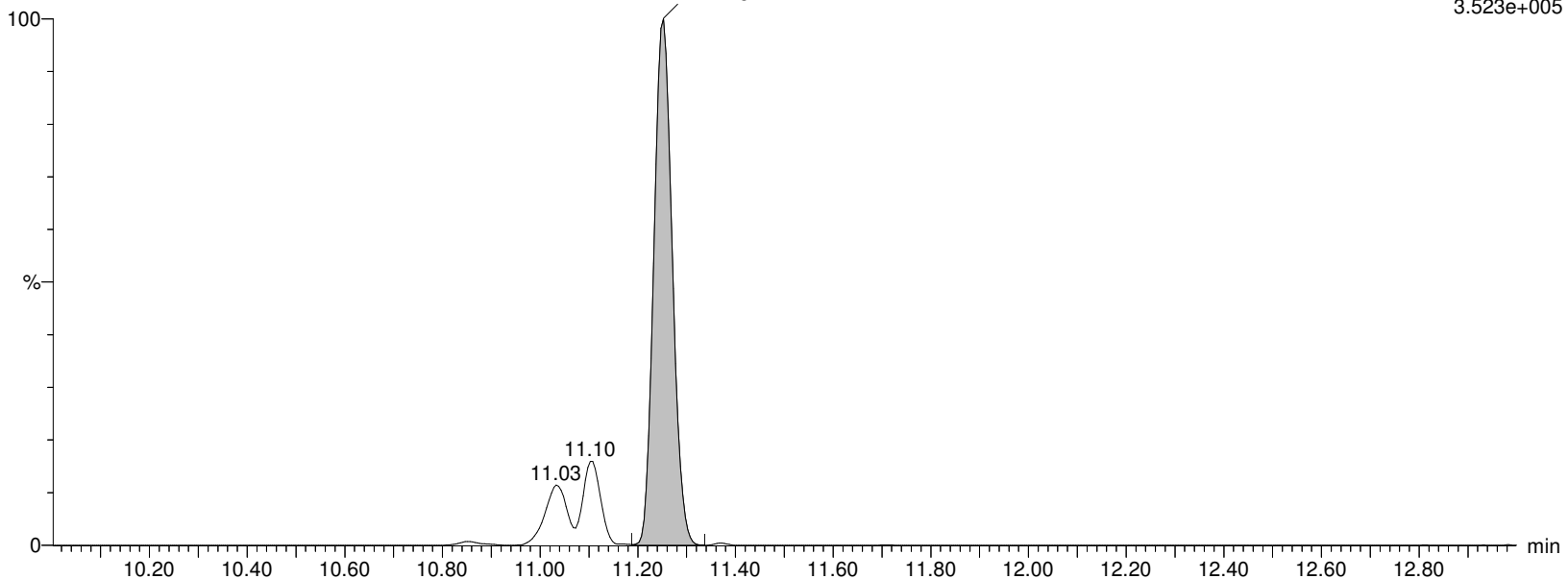
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

L-NEtFOSAA
11.25F48:MRM of 2 channels,ES-
583.989 > 418.927
8.492e+005

I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

L-NEtFOSAA
11.25F48:MRM of 2 channels,ES-
583.989 > 482.88
3.523e+005

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2019\191118_537ISO.PRO\Data\TECHSTD.qld

Last Altered: Monday, November 18, 2019 14:39:57 Eastern Standard Time

Printed: Monday, November 18, 2019 14:47:32 Eastern Standard Time

Name: I13447

ID: TECHSTD_190520A

Date: 18-Nov-2019

Time: 14:22:24

Description: WG1310082,,537ISO_TECHSTD_190520A

User: LCMS02:JW

Vial: 1:B,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2019\191118_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NEtFOSAA

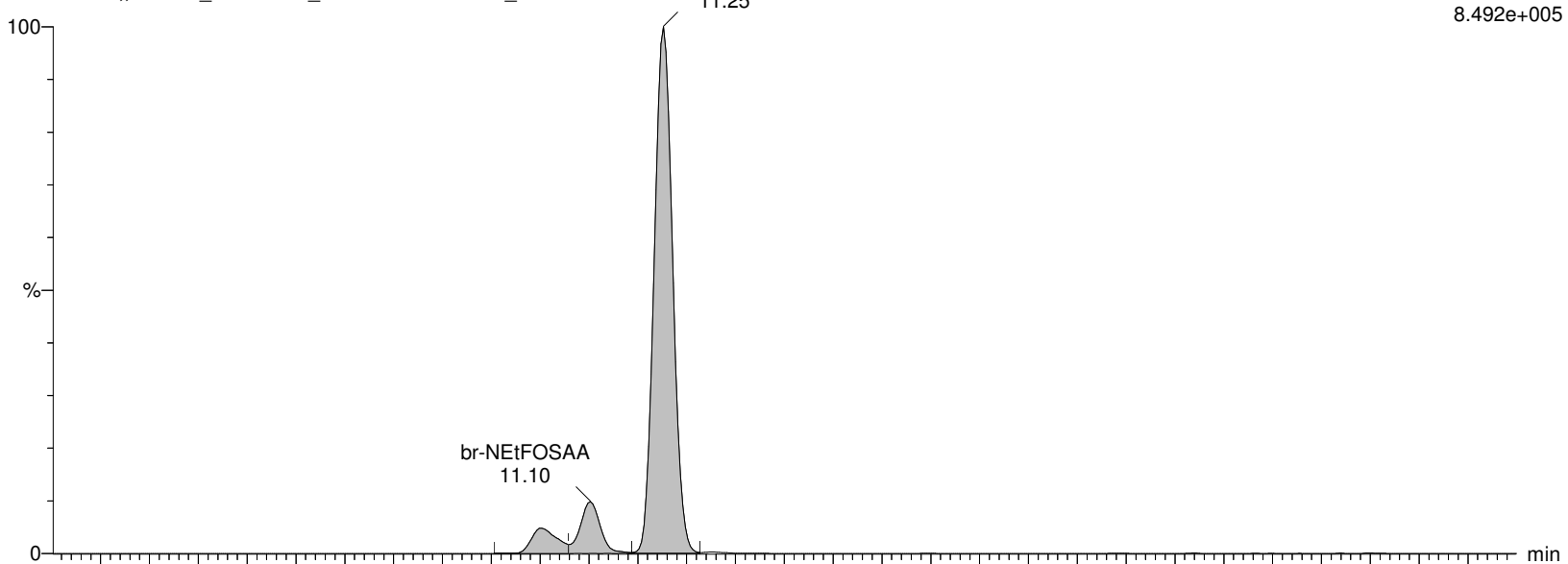
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F48:MRM of 2 channels,ES-

583.989 > 418.927

8.492e+005



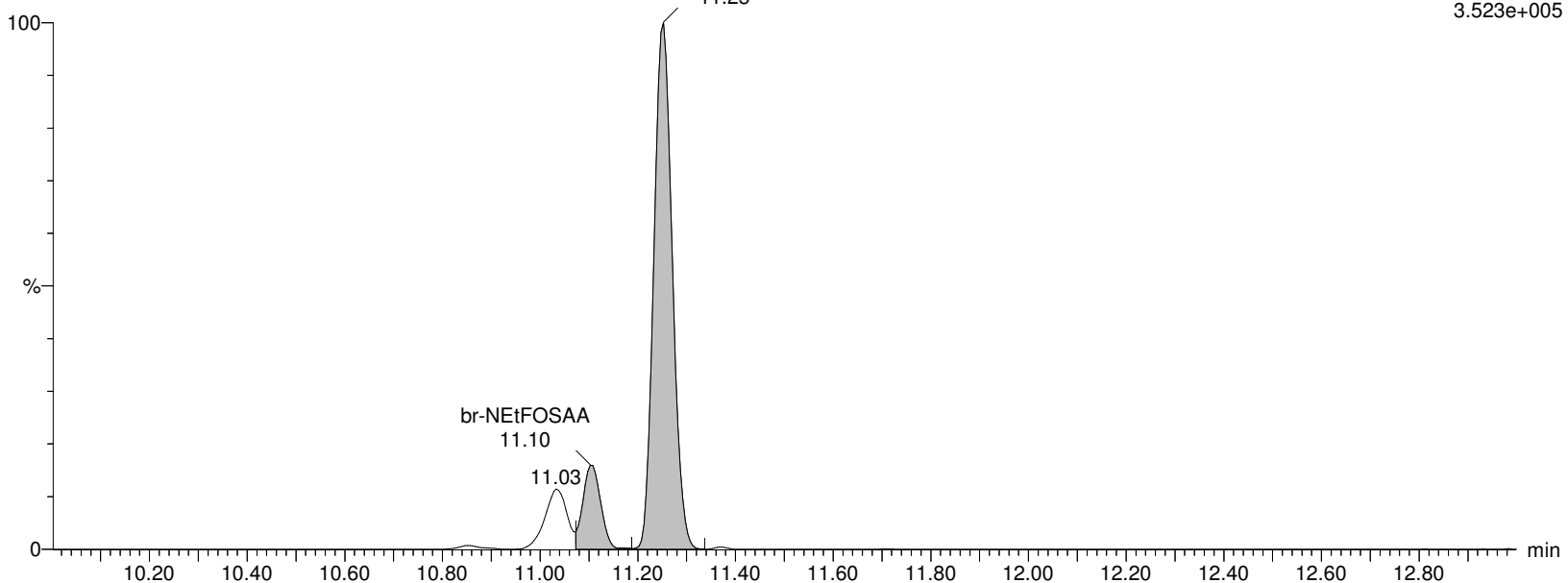
I13447 Smooth(Mn,2x2)

WG1310082,,537ISO_TECHSTD_190520A TECHSTD_190520A

F48:MRM of 2 channels,ES-

583.989 > 482.88

3.523e+005



Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18643
 Sample No : WG1337913-1
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/06/20 13:54
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.492	0.500	98.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.527	0.500	105.4	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.390	0.440	88.1	50-150
Perfluorohexanoic Acid (PFHxA)	0.574	0.500	114.9	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.511	0.470	109.3	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.442	0.470	94	50-150
Perfluoroheptanoic Acid (PFHpA)	0.498	0.500	99.7	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.034	0.086	39.6*	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.360	0.370	97.2	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.393	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.538		107.5	50-150
Perfluorooctanoic Acid (PFOA)	0.538	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.530	0.480	111.5	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.404	0.480	85.1	50-150
Perfluorononanoic Acid (PFNA)	0.450	0.500	90	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.064	0.098	64.3	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.311	0.365	85.3	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.376	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.483	0.500	96.6	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.477	0.480	99.4	50-150
Perfluorononanesulfonic Acid (PFNS)	0.386	0.480	80.5	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.718	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)			-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.718	0.500	143.6	50-150
Perfluoroundecanoic Acid (PFUnA)	0.503	0.500	100.5	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.438	0.480	90.8	50-150
Perfluorooctanesulfonamide (FOSA)	0.390	0.500	78.1	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.692	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)			-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.692	0.500	138.4	50-150
Perfluorododecanoic Acid (PFDoA)	0.502	0.500	100.4	50-150
Perfluorotridecanoic Acid (PFTTrDA)	0.520	0.500	104	50-150
Perfluorotetradecanoic Acid (PFTA)	0.519	0.500	103.9	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.578	10.000	105.8	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	11.706	10.000	117.1	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.133	10.000	91.3	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	7.584	10.000	75.8	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.156	10.000	101.6	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.395	10.000	103.9	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.803	10.000	98	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.467	10.000	104.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	8.218	10.000	82.2	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18643
 Sample No : WG1337913-1
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/06/20 13:54
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.840	10.000	108.4	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	10.323	10.000	103.2	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.969	10.000	109.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	9.556	10.000	95.6	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	7.382	10.000	73.8	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	11.423	10.000	114.2	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8.507	10.000	85.1	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	6.747	10.000	67.5	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.530	10.000	95.3	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	9.056	10.000	90.6	50-150
M4PFOS	13.794		137.9	
M2PFDA	13.731		137.3	
M2PFOA	12.947		129.5	
M3PFBA	10.315		103.1	
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	9.181	0.500	91.8	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	88.937	10.000	44.5*	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.444	0.500	93.9	50-150
Perfluorohexadecanoic Acid (PFHxDA)	0.784	0.500	156.9*	50-150
Perfluorooctadecanoic Acid (PFODA)	0.571	0.500	114.2	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	5.591	10.000	55.9	50-150
Perfluorododecane Sulfonic Acid (PFDoDS)	0.359	0.500	71.8	50-150
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	0.316	0.500	65.6	50-150
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.372	0.500	79.8	50-150
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUDS)	0.390	0.500	82.7	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18671
 Sample No : WG1337913-3
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/06/20 22:12
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.507	0.500	101.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.519	0.500	103.8	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.421	0.440	95	50-150
Perfluorohexanoic Acid (PFHxA)	0.566	0.500	113.2	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.413	0.470	88.4	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.382	0.470	81.4	50-150
Perfluoroheptanoic Acid (PFHpA)	0.473	0.500	94.5	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.039	0.086	46.4*	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.336	0.370	90.7	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.375	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.535		106.9	50-150
Perfluorooctanoic Acid (PFOA)	0.535	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.460	0.480	96.7	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.397	0.480	83.6	50-150
Perfluorononanoic Acid (PFNA)	0.470	0.500	93.9	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.075	0.098	75.5	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.308	0.365	84.3	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.383	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.490	0.500	97.9	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.531	0.480	110.7	50-150
Perfluorononanesulfonic Acid (PFNS)	0.411	0.480	85.7	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.516	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)			-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.516	0.500	103.1	50-150
Perfluoroundecanoic Acid (PFUnA)	0.500	0.500	100	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.332	0.480	68.7	50-150
Perfluorooctanesulfonamide (FOSA)	0.445	0.500	89.1	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.509	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)			-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.509	0.500	101.8	50-150
Perfluorododecanoic Acid (PFDoA)	0.530	0.500	105.9	50-150
Perfluorotridecanoic Acid (PFTTrDA)	0.511	0.500	102.1	50-150
Perfluorotetradecanoic Acid (PFTA)	0.525	0.500	105	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.680	10.000	106.8	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	12.159	10.000	121.6	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.654	10.000	96.5	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	9.529	10.000	95.3	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.948	10.000	99.5	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.389	10.000	103.9	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	11.356	10.000	113.6	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.511	10.000	105.1	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	10.393	10.000	103.9	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18671
 Sample No : WG1337913-3
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/06/20 22:12
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	11.001	10.000	110	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	10.591	10.000	105.9	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.769	10.000	107.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	11.083	10.000	110.8	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	10.274	10.000	102.7	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	11.499	10.000	115	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8.276	10.000	82.8	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	10.346	10.000	103.5	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	10.521	10.000	105.2	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	10.484	10.000	104.8	50-150
M4PFOS	12.982		129.8	
M2PFDA	14.290		142.9	
M2PFOA	13.696		137	
M3PFBA	10.668		106.7	
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	7.774	0.500	77.7	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	115.449	10.000	57.7	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.441	0.500	93.2	50-150
Perfluorohexadecanoic Acid (PFHxDA)	0.921	0.500	184.3*	50-150
Perfluorooctadecanoic Acid (PFODA)	0.677	0.500	135.3	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	4.991	10.000	49.9*	50-150
Perfluorododecane Sulfonic Acid (PFDoS)	0.416	0.500	83.3	50-150
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	0.375	0.500	77.8	50-150
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.382	0.500	81.9	50-150
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUs)	0.385	0.500	81.8	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
Project Name : FORMER WOLLENSACK OPTICAL
Instrument ID : LCMS02
Lab File ID : I18695
Sample No : WG1337913-4
Channel :

Lab Number : L2002747
Project Number : 2182207
Calibration Date : 02/07/20 04:49
Init. Calib. Date(s) : 11/18/19 11/18/19
Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	9.083	10.000	90.8	70-130
Perfluoropentanoic Acid (PFPeA)	9.295	10.000	92.9	70-130
Perfluorobutanesulfonic Acid (PFBS)	8.274	8.850	93.5	70-130
Perfluorohexanoic Acid (PFHxA)	9.141	10.000	91.4	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	9.191	9.350	98.3	70-130
Perfluoropentanesulfonic Acid (PFPeS)	7.757	9.400	82.5	70-130
Perfluoroheptanoic Acid (PFHpA)	8.728	10.000	87.3	70-130
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	1.361	1.720	80.1	70-130
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	6.905	7.400	93.3	70-130
Perfluorohexanesulfonic Acid (PFHxS)	8.266	9.120	-	70-130
Perfluorooctanoic Acid-Branched (br-PFOA)			-	70-130
Perfluorooctanoic Acid-Linear (L-PFOA)	9.238	10.000	92.4	70-130
Perfluorooctanoic Acid (PFOA)	9.238	10.000	-	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.283	9.500	97.7	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	7.857	9.500	82.7	70-130
Perfluorononanoic Acid (PFNA)	9.002	10.000	90	70-130
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	1.528	1.960	76.4	70-130
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	6.313	7.300	86.5	70-130
Perfluorooctanesulfonic Acid (PFOS)	7.841	9.260	-	70-130
Perfluorodecanoic Acid (PFDA)	8.923	10.000	89.2	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	9.312	9.600	97	70-130
Perfluorononanesulfonic Acid (PFNS)	8.265	9.600	86.1	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	9.654	10.000	-	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)			-	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	9.654	10.000	96.5	70-130
Perfluoroundecanoic Acid (PFUnA)	9.117	10.000	91.2	70-130
Perfluorodecanesulfonic Acid (PFDS)	8.037	9.650	83.3	70-130
Perfluorooctanesulfonamide (FOSA)	8.747	10.000	87.5	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	9.810	10.000	-	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)			-	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	9.810	10.000	98.1	70-130
Perfluorododecanoic Acid (PFDoA)	9.320	10.000	93.2	70-130
Perfluorotridecanoic Acid (PFTTrDA)	10.020	10.000	100.2	70-130
Perfluorotetradecanoic Acid (PFTA)	9.320	10.000	93.2	70-130
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.646	10.000	106.5	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	12.244	10.000	122.4	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.138	10.000	91.4	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	10.122	10.000	101.2	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.815	10.000	98.2	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.482	10.000	104.8	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.155	10.000	101.5	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.480	10.000	104.8	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	11.890	10.000	118.9	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18695
 Sample No : WG1337913-4
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/07/20 04:49
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.796	10.000	108	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	10.698	10.000	107	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.804	10.000	108	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	13.016	10.000	130.2	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	10.859	10.000	108.6	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	11.507	10.000	115.1	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7.476	10.000	74.8	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	10.377	10.000	103.8	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.858	10.000	98.6	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	9.999	10.000	100	50-150
M4PFOS	13.238		132.4	
M2PFDA	14.526		145.3	
M2PFOA	13.971		139.7	
M3PFBA	10.537		105.4	
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	164.544	10.000	82.3	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	174.671	10.000	87.3	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	8.557	10.000	90.4	70-130
Perfluorohexadecanoic Acid (PFHxDA)	15.204	10.000	152*	70-130
Perfluorooctadecanoic Acid (PFODA)	13.463	10.000	134.6*	70-130
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	4.924	10.000	49.2*	50-150
Perfluorododecane Sulfonic Acid (PFDoDS)	10.616	10.000	106.2	70-130
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	7.896	10.000	81.9	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	8.090	10.000	86.8	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	7.765	10.000	82.4	70-130

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.
 Project Name : FORMER WOLLENSACK OPTICAL
 Instrument ID : LCMS02
 Lab File ID : I18710
 Sample No : WG1337913-5
 Channel :

Lab Number : L2002747
 Project Number : 2182207
 Calibration Date : 02/07/20 08:58
 Init. Calib. Date(s) : 11/18/19 11/18/19
 Init. Calib. Times : 10:24 12:49

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.503	0.500	100.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.523	0.500	104.6	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.411	0.440	92.9	50-150
Perfluorohexanoic Acid (PFHxA)	0.576	0.500	115.1	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.504	0.470	107.7	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.419	0.470	89.1	50-150
Perfluoroheptanoic Acid (PFHpA)	0.496	0.500	99.3	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.038	0.086	44.9*	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.369	0.370	99.8	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.407	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.486		97.2	50-150
Perfluorooctanoic Acid (PFOA)	0.486	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.382	0.480	80.4	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.544	0.480	114.4	50-150
Perfluorononanoic Acid (PFNA)	0.520	0.500	104.1	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.053	0.098	53.2	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.311	0.365	85.2	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.364	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.495	0.500	98.9	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.385	0.480	80.2	50-150
Perfluorononanesulfonic Acid (PFNS)	0.263	0.480	54.9	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.417	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)			-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.417	0.500	83.4	50-150
Perfluoroundecanoic Acid (PFUnA)	0.519	0.500	103.8	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.575	0.480	119.2	50-150
Perfluorooctanesulfonamide (FOSA)	0.446	0.500	89.3	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.502	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)			-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.502	0.500	100.3	50-150
Perfluorododecanoic Acid (PFDoA)	0.504	0.500	100.8	50-150
Perfluorotridecanoic Acid (PFTTrDA)	0.576	0.500	115.1	50-150
Perfluorotetradecanoic Acid (PFTA)	0.495	0.500	99	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.615	10.000	106.1	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	12.190	10.000	121.9	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.891	10.000	98.9	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	9.571	10.000	95.7	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.128	10.000	101.3	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.816	10.000	108.2	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.971	10.000	109.7	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.936	10.000	109.4	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	10.758	10.000	107.6	50-150

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : LaBella Associates, P.C.	Lab Number : L2002747
Project Name : FORMER WOLLENSACK OPTICAL	Project Number : 2182207
Instrument ID : LCMS02	Calibration Date : 02/07/20 08:58
Lab File ID : I18710	Init. Calib. Date(s) : 11/18/19 11/18/19
Sample No : WG1337913-5	Init. Calib. Times : 10:24 12:49
Channel :	

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	11.237	10.000	112.4	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	11.110	10.000	111.1	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.746	10.000	107.5	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	13.296	10.000	133	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	10.910	10.000	109.1	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	11.219	10.000	112.2	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7.645	10.000	76.4	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	10.308	10.000	103.1	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	10.244	10.000	102.4	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	10.051	10.000	100.5	50-150
M4PFOS	12.205		122.1	
M2PFDA	14.277		142.8	
M2PFOA	13.393		133.9	
M3PFBA	10.577		105.8	
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	6.290	0.500	62.9	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	119.412	10.000	59.7	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.432	0.500	91.3	50-150
Perfluorohexadecanoic Acid (PFHxDA)	1.022	0.500	204.5*	50-150
Perfluorooctadecanoic Acid (PFODA)	0.651	0.500	130.1	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	4.801	10.000	48*	50-150
Perfluorododecane Sulfonic Acid (PFDoDS)	0.635	0.500	127	50-150
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)		0.500	-	50-150
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.406	0.500	87.1	50-150
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUDS)	0.382	0.500	81.2	50-150

* Value outside of QC limits.



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld
Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time
Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22
Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1337913-1,537ILOW
Name: I18643
Date: 06-Feb-2020
Time: 13:54:46
Description: WG1337913, WG1332696, ICAL16305, 537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.19	212.926 > 169.111	2262		0.492		na	98.5
2	M3PFBA	INT STD	2.19	215.926 > 172.122	47795		10.315		na	103.1
3	MPFBA	INT STD	2.19	216.926 > 172.137	55019		10.578		na	105.8
4	PFPeA	2706-90-3	5.07	262.926 > 219.002	4397		0.527		na	105.4
5	M5PFPEA	INT STD	5.07	267.989 > 223.081	86358		11.706		na	117.1
6	PFBS	375-73-5	5.71	298.926 > 79.923	705	M4	0.390	2.21	NO	88.1
7	M3PFBS	INT STD	5.71	301.989 > 80.254	12315		9.133		na	91.3
8	4:2FTS	757124-72-4	6.86	326.926 > 306.957	376		0.511	2.36	NO	109.3
9	M2-4:2FTS	INT STD	6.86	329.117 > 309.079	6640		7.584		na	75.8
10	PFHxA	307-24-4	6.94	312.989 > 269.028	5626		0.574	20.58	NO	114.9
11	M5PFHxA	INT STD	6.94	317.989 > 273.045	106410		10.156		na	101.6
12	PFPeS	2706-91-4	7.26	348.926 > 80.251	564		0.442	2.12	NO	94.0
13	PFHpA	375-85-9	8.21	362.926 > 319.014	6523		0.498	6.30	NO	99.7
14	M4PFHpA	INT STD	8.21	366.926 > 321.979	145074		10.395		na	103.9
15	br-PFHxS	355-46-4	8.14	398.926 > 80.295	30	M5	0.034		YES	39.6
16	L-PFHxS	355-46-4	8.37	398.926 > 80.295	344		0.360	1.80	NO	97.2
17	PFHxS	355-46-4		398.926 > 80.295	374		0.393		na	
18	M3PFHxS	INT STD	8.37	401.926 > 80.317	7630		9.803		na	98.0
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.15	412.989 > 368.9	6922		0.538	11.73	NO	107.5
21	PFOA	335-67-1		412.989 > 368.9	6922		0.538		na	
22	M8PFOA	INT STD	9.15	420.989 > 375.979	140186		10.467		na	104.7
23	M2PFOA	INT STD	9.15	415.032 > 369.968	136870		12.947		na	129.5
24	6:2FTS	27619-97-2	9.12	426.989 > 406.921	302		0.530		YES	111.5
25	M2-6:2FTS	INT STD	9.11	428.989 > 408.917	7031		8.218		na	82.2
26	PFHpS	375-92-8	9.24	448.926 > 80.257	272		0.404	0.98	YES	85.1
27	PFNA	375-95-1	9.92	462.989 > 418.931	5265		0.450	4.96	NO	90.0
28	M9PFNA	INT STD	9.91	472.053 > 426.947	142846		10.840		na	108.4
29	br-PFOS	1763-23-1	9.78	498.989 > 80.294	86		0.064	3.10	NO	64.3
30	L-PFOS	1763-23-1	9.96	498.989 > 80.294	312		0.311	1.27	NO	85.3
31	PFOS	1763-23-1		498.989 > 80.294	397		0.376		na	
32	M4PFOS	INT STD	9.96	503.032 > 80.306	9633		13.794		na	137.9
33	M8PFOS	INT STD	9.96	507.053 > 80.294	10204		10.323		na	103.2
34	PFDA	335-76-2	10.54	513.053 > 468.906	5694		0.483	8.09	NO	96.6
35	M2PFDA	INT STD	10.54	515.053 > 469.934	121234		13.731		na	137.3
36	M6PFDA	INT STD	10.54	519.053 > 473.931	137438		10.969		na	109.7
37	8:2FTS	39108-34-4	10.54	526.926 > 506.818	249		0.477		na	99.4
38	M2-8:2FTS	INT STD	10.53	529.053 > 508.945	4796		9.556		na	95.6
39	PFNS	68259-12-1	10.57	548.989 > 80.249	367		0.386	1.70	YES	80.5

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

ID: WG1337913-1,537ILOW

Name: I18643

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.93	573.096 > 418.987	10534		7.382		na	73.8
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.93	570.053 > 418.917	705		0.718	3.78	YES	143.6
43	NMeFOSAA	2355-31-9		570.053 > 418.917	705		0.718		na	
44	PFUnA	2058-94-8	11.08	562.989 > 518.903	6104		0.503	8.31	NO	100.5
45	M7-PFUDA	INT STD	11.08	570.053 > 524.923	126975		11.423		na	114.2
46	PFDS	335-77-3	11.09	598.926 > 80.314	297		0.438	0.96	NO	90.8
47	FOSA	754-91-6	10.99	497.989 > 78.245	1045		0.390		YES	78.1
48	M8FOSA	INT STD	10.98	506.053 > 78.286	25203		8.507		na	85.1
49	d5-NEtFOSAA	INT STD	11.22	589.117 > 418.929	8505		6.747		na	67.5
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.23	583.989 > 418.927	556		0.692	3.27	NO	138.4
52	NEtFOSAA	2991-50-6		583.989 > 418.927	556		0.692		na	
53	PFDoA	307-55-1	11.56	612.989 > 568.967	5055		0.502	17.89	NO	100.4
54	MPFDOA	INT STD	11.56	614.989 > 569.92	118844		9.530		na	95.3
55	PFTTrDA	72629-94-8	11.97	663.053 > 618.969	4213		0.520	11.77	NO	104.0
56	PFTA	376-06-7	12.32	713.053 > 668.976	3730		0.519	11.32	NO	103.9
57	M2PFTEDA	INT STD	12.32	715.053 > 669.945	89698		9.056		na	90.6
58	M3HFPO-DA	INT STD	7.37	331.989 > 286.995	5219		88.937		na	44.5
59	HFPO-DA	13252-13-6	7.37	284.819 > 169.094	398		9.181	3.56	YES	91.8
60	ADONA	958445-44-8	8.39	376.926 > 251.005	8187		0.444		na	93.9
61	PFHxDA		12.77	813.053 > 769.005	3398		0.784		na	156.9
62	PFODA		12.99	912.989 > 869.032	1812		0.571		na	114.2
63	M2PFHxDA		12.76	815.372 > 770.158	11788		5.591		na	55.9
64	PFDoS		11.96	698.649 > 79.853	248		0.359	1.76	YES	71.8
65	10:2FTS		11.57	626.862 > 606.896	158 m2		0.316		na	65.6
66	9CL-PF3ONS		10.31	530.862 > 350.843	2495		0.372		na	79.8
67	11CL-PFOUdS		11.36	630.862 > 450.854	2202		0.390		na	82.7

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

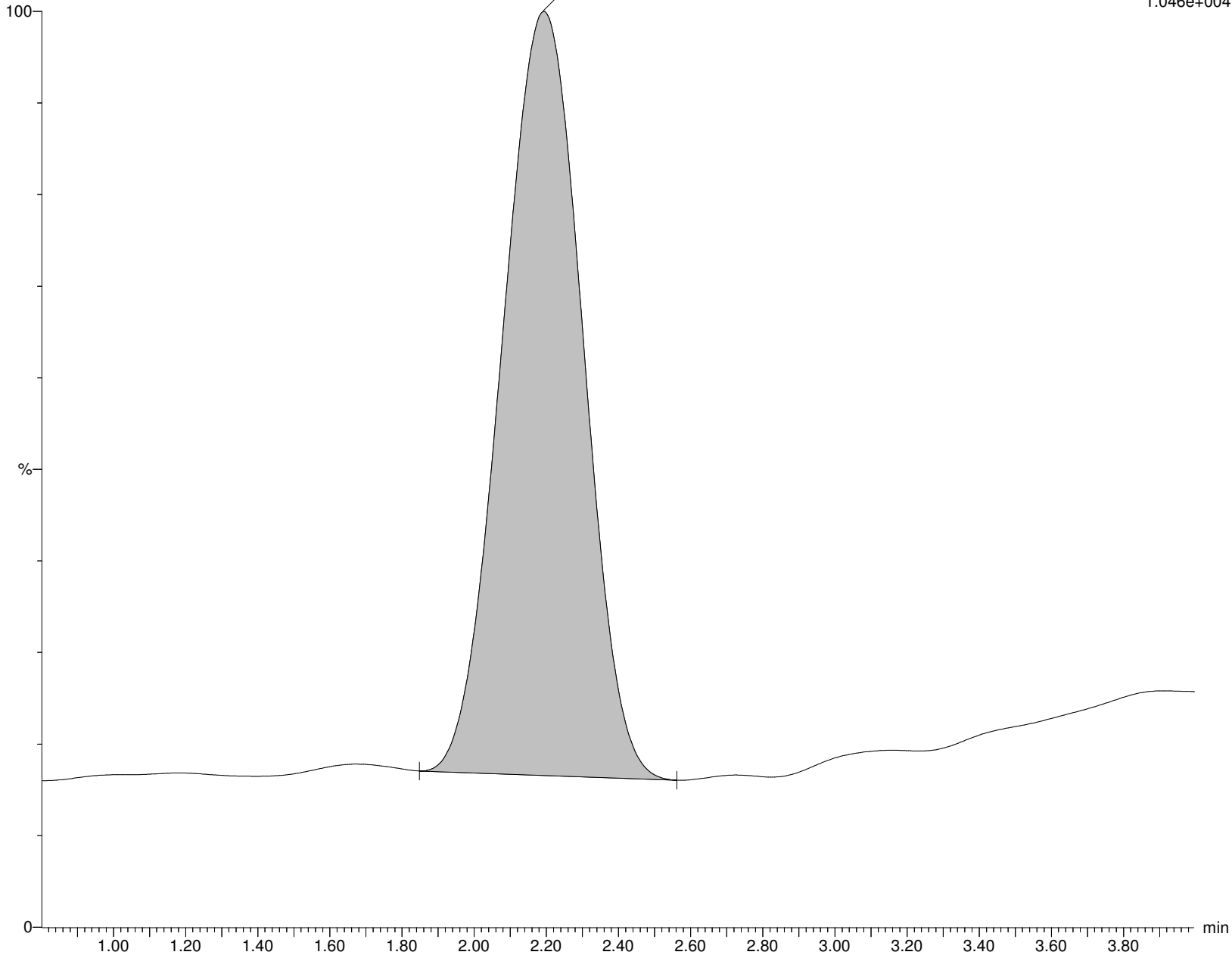
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MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

I18643 Smooth(Mn,8x8)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

PFBA
2.19F1:MRM of 1 channel,ES-
212.926 > 169.111
1.046e+004

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

I18643 Smooth(Mn,8x8)

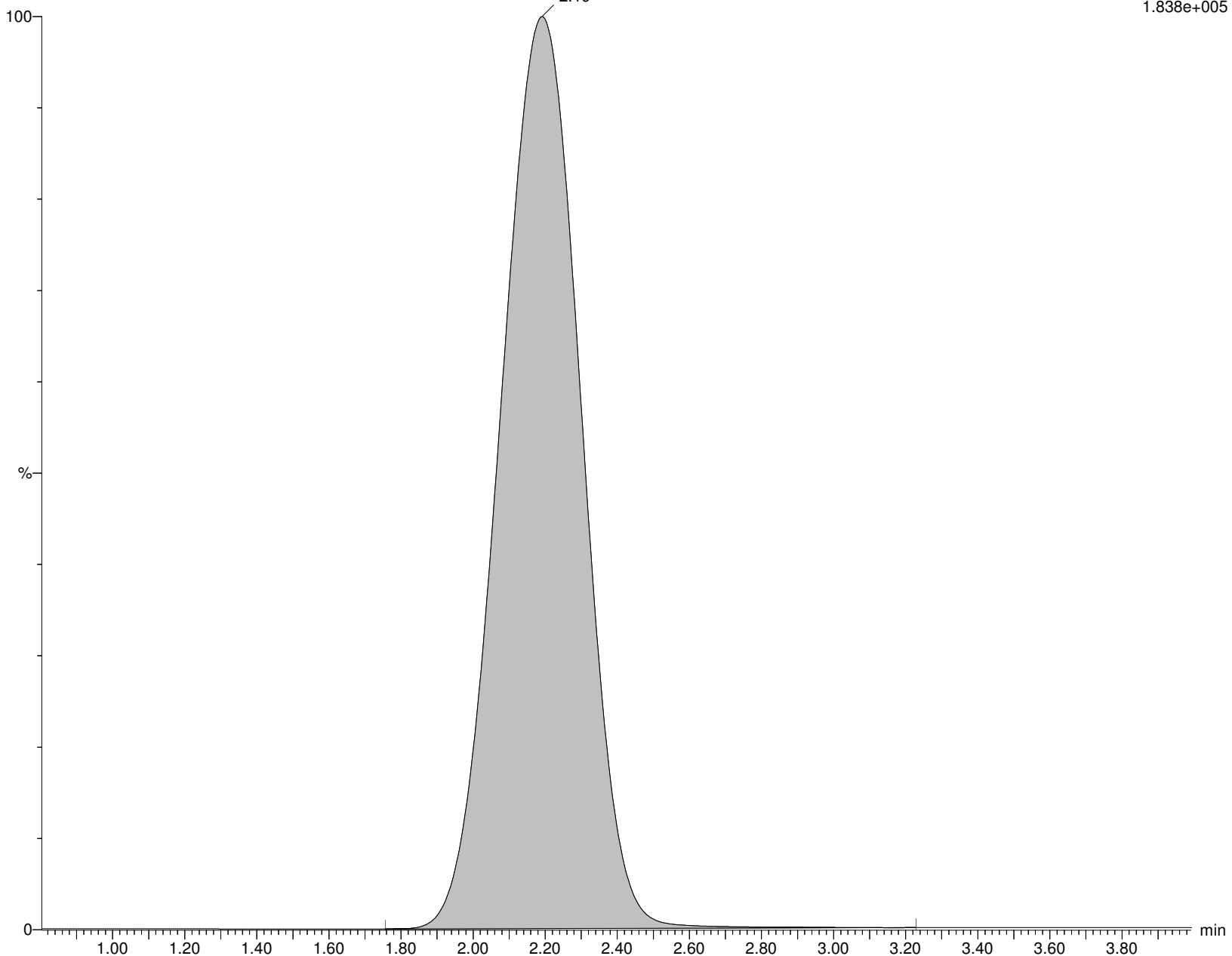
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M3PFBA
2.19

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.838e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

I18643 Smooth(Mn,8x8)

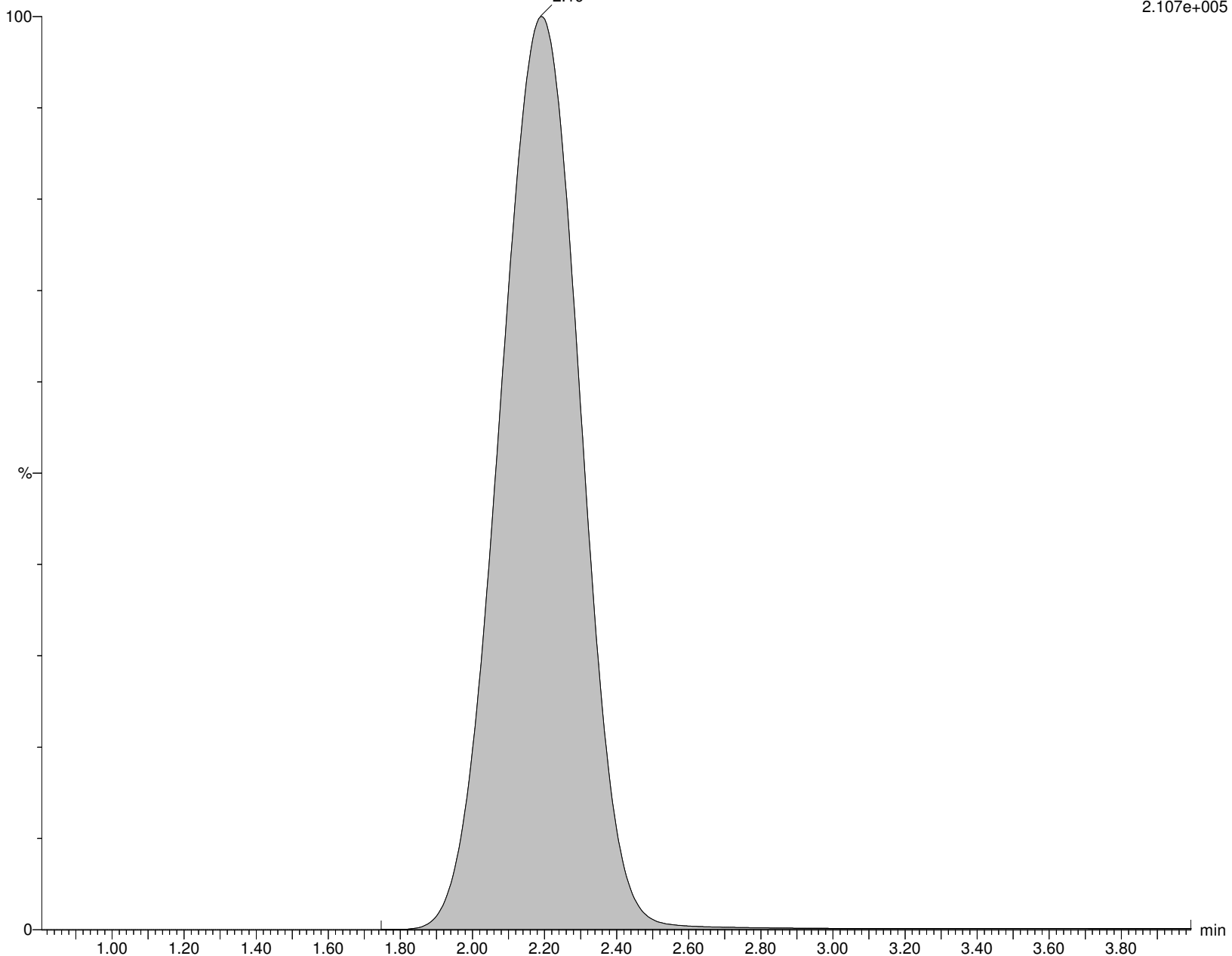
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

MPFBA
2.19

F3:MRM of 1 channel, ES-

216.926 > 172.137

2.107e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

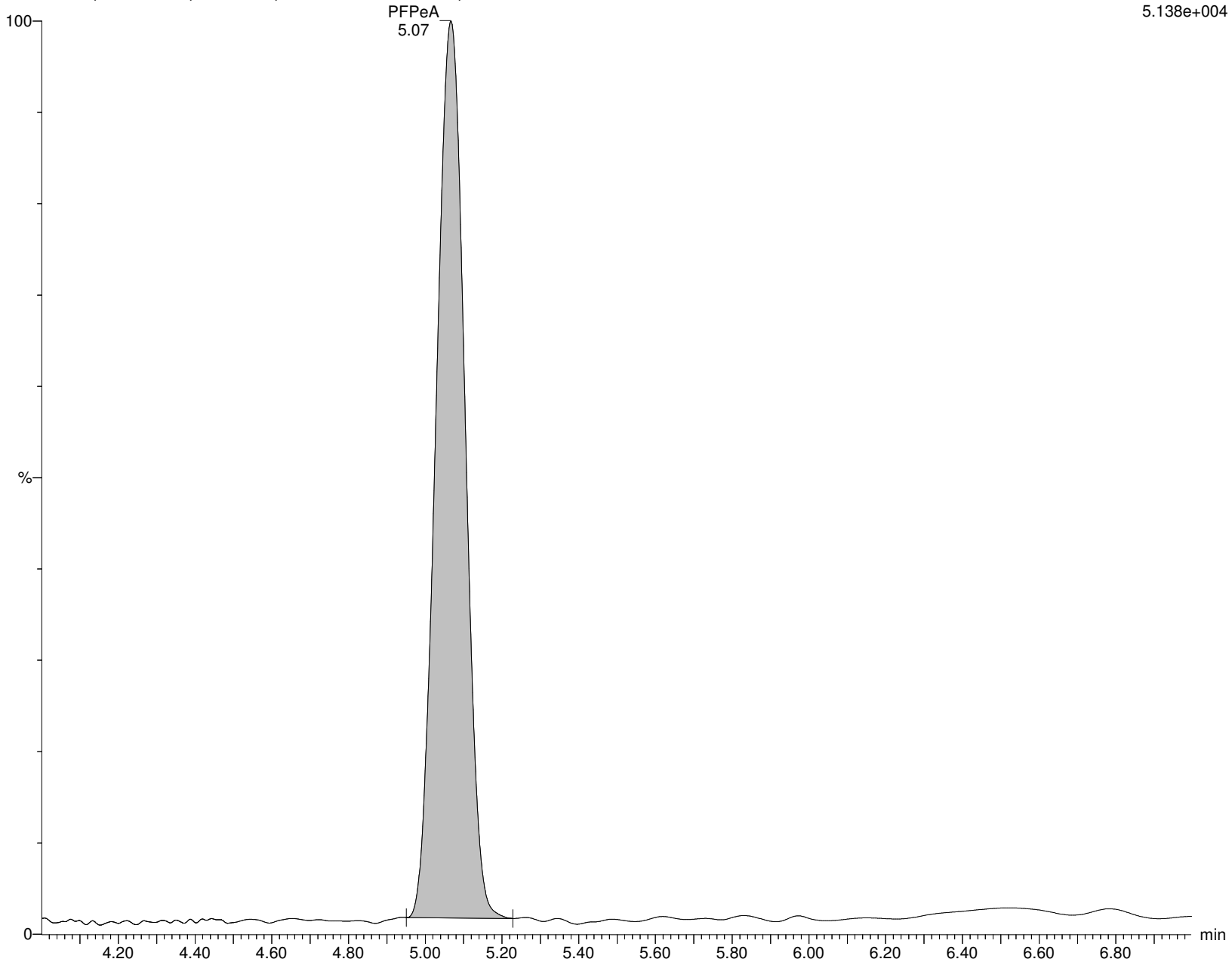
I18643 Smooth(Mn,7x7)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F4:MRM of 1 channel, ES-

262.926 > 219.002

5.138e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

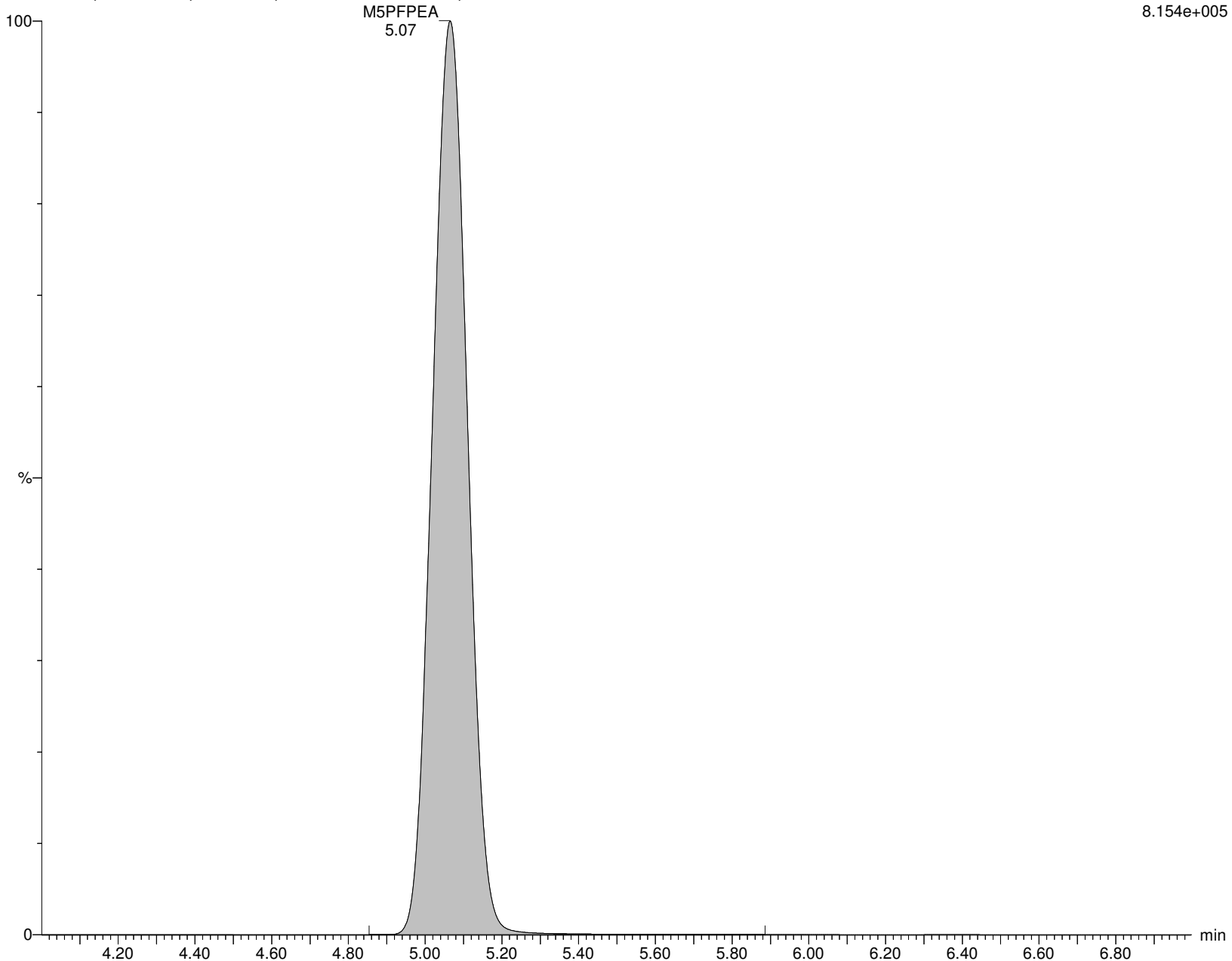
I18643 Smooth(Mn,10x10)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F5:MRM of 1 channel,ES-

267.989 > 223.081

8.154e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFBS**

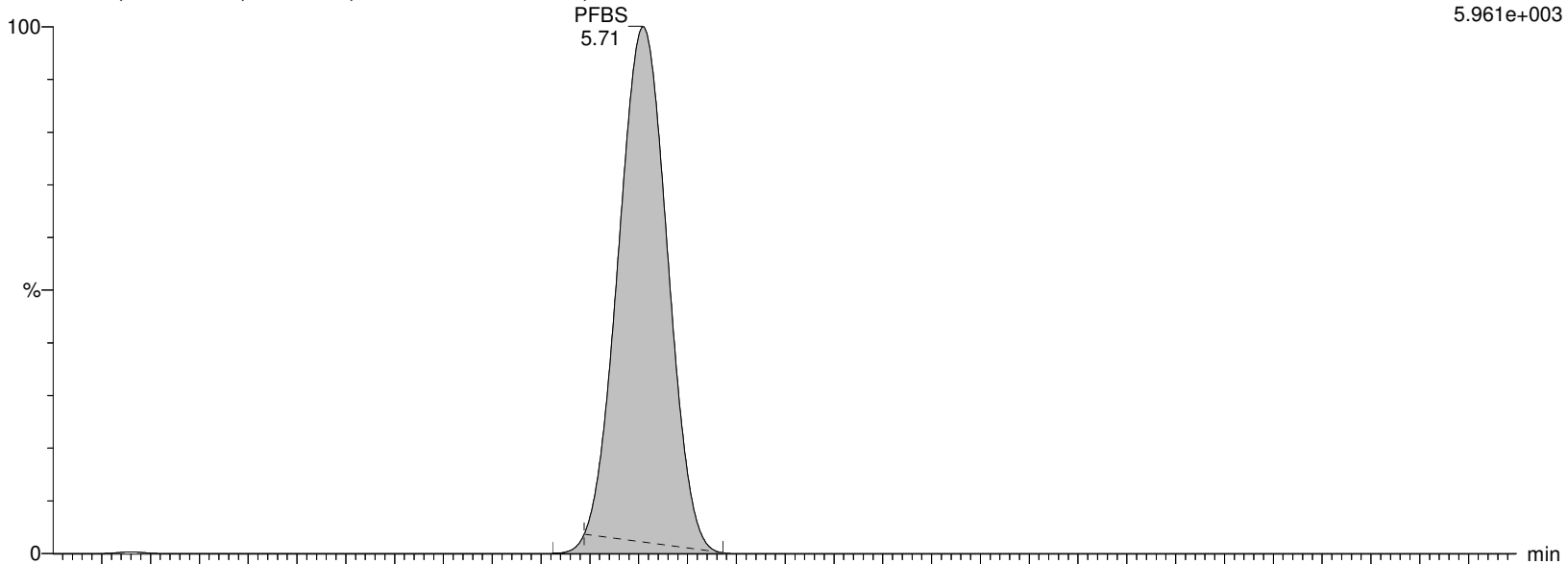
I18643 Smooth(Mn,10x10)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 79.923

5.961e+003



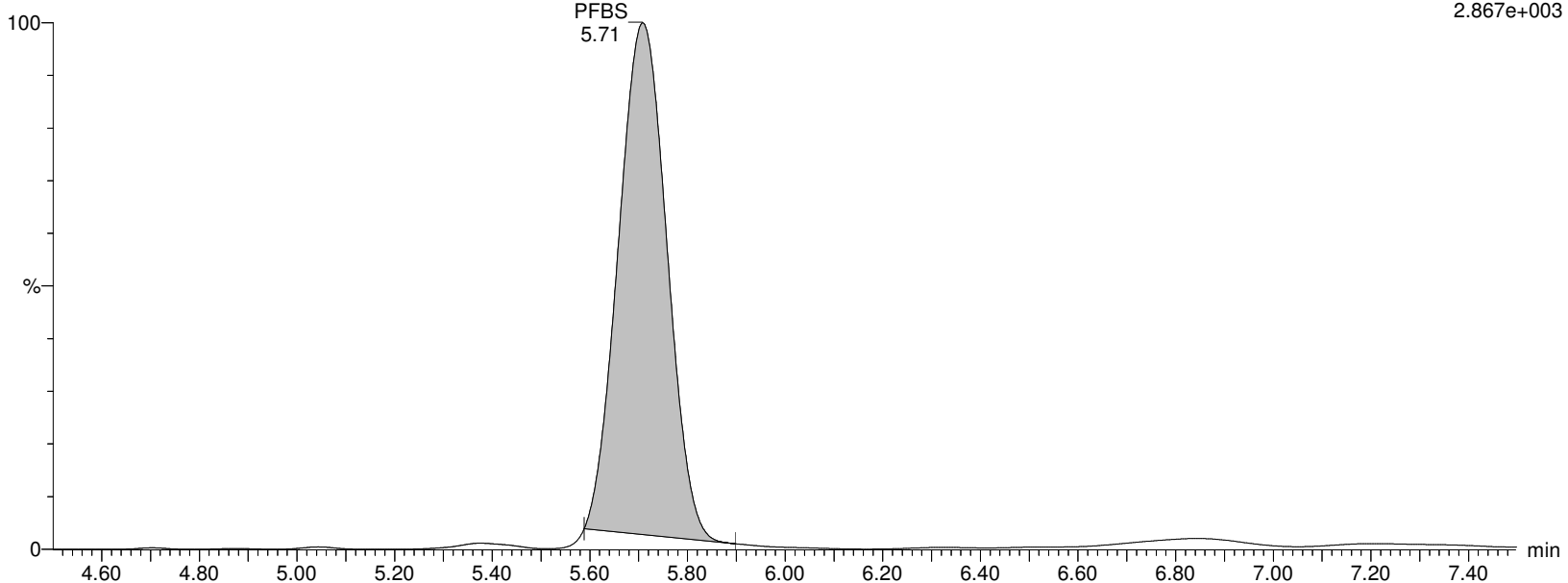
I18643 Smooth(Mn,10x10)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 98.862

2.867e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

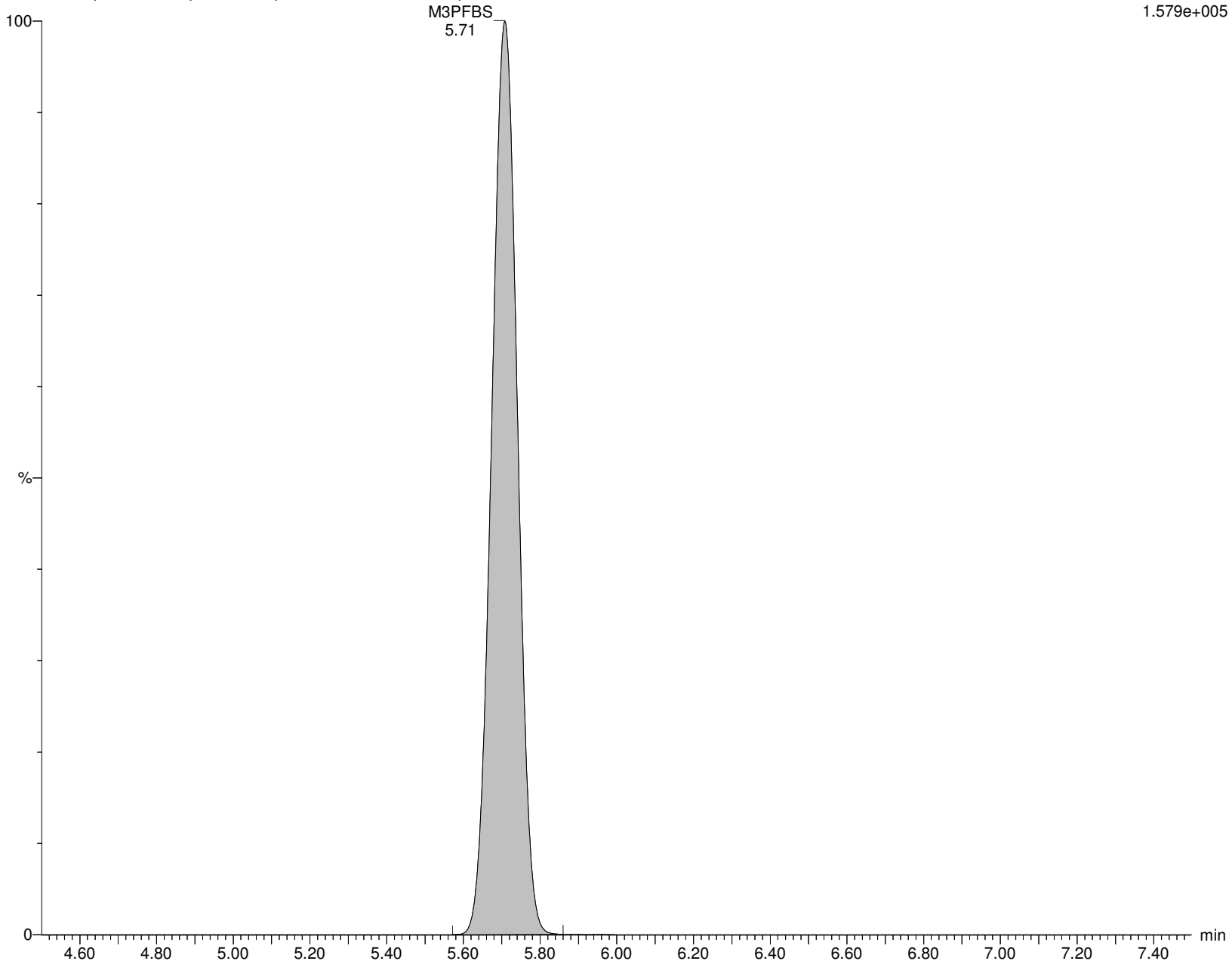
I18643 Smooth(Mn,6x6)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.579e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

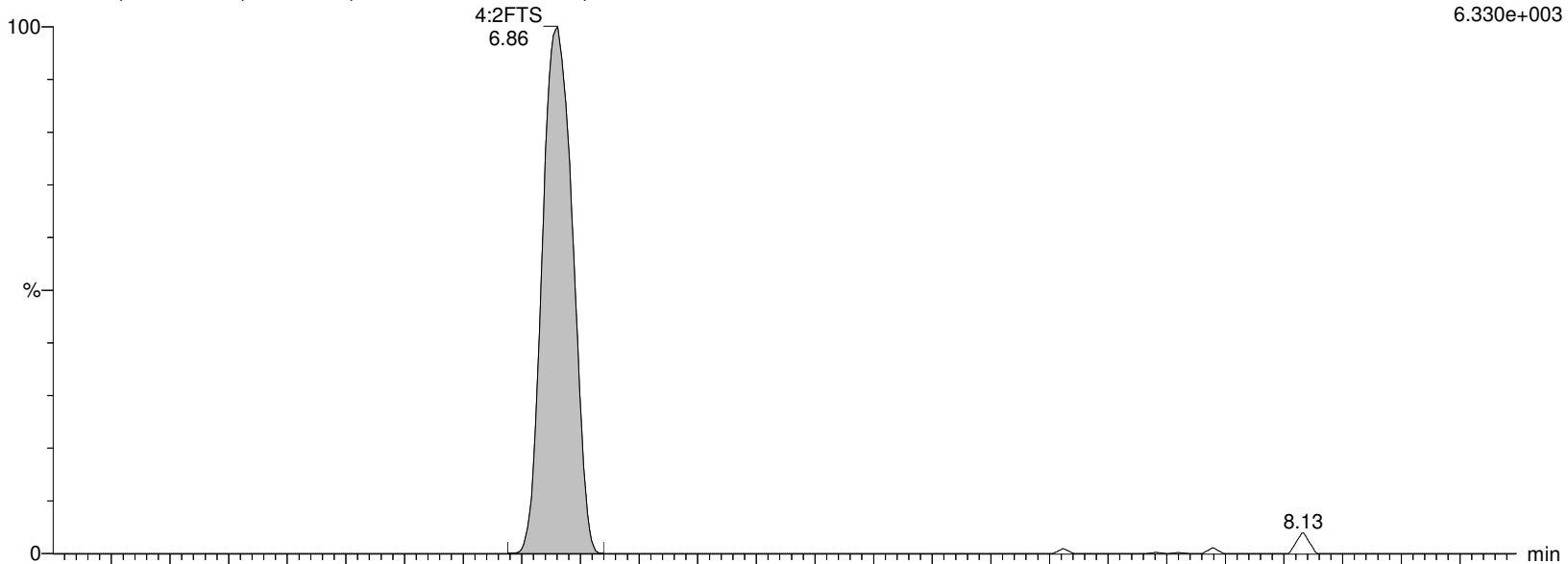
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F11:MRM of 2 channels, ES-

326.926 > 306.957

6.330e+003



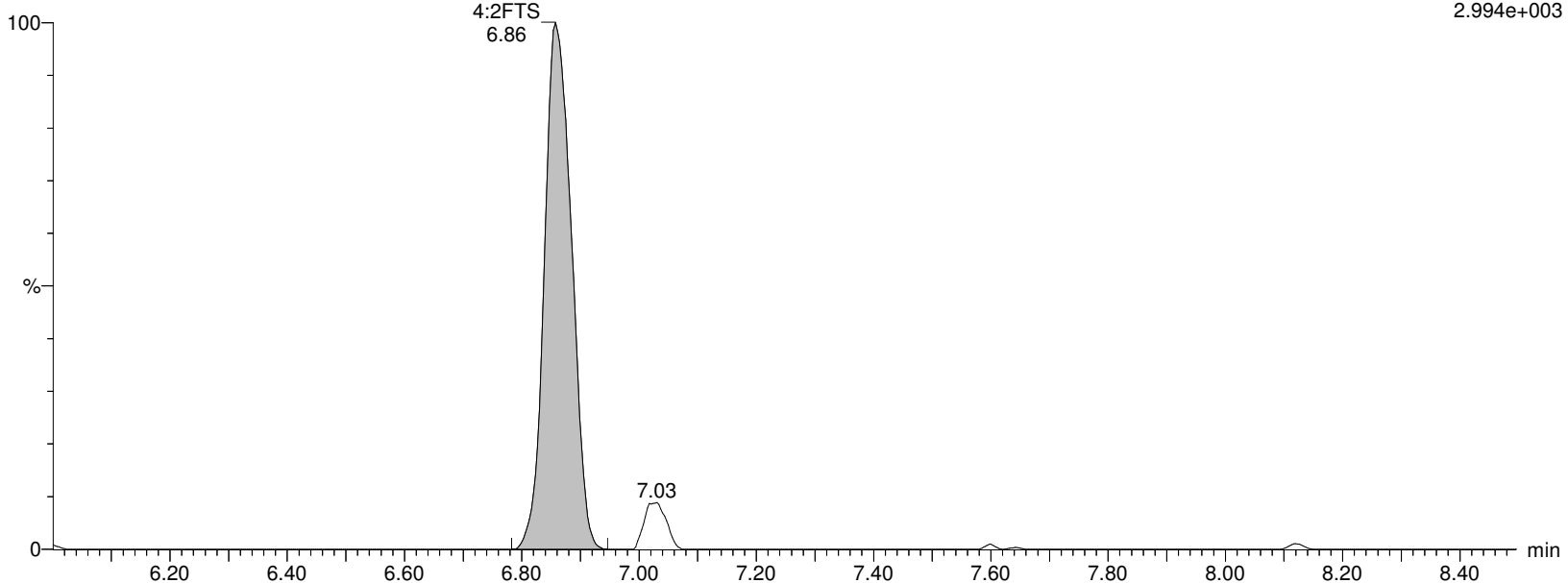
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F11:MRM of 2 channels, ES-

326.926 > 81.02

2.994e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

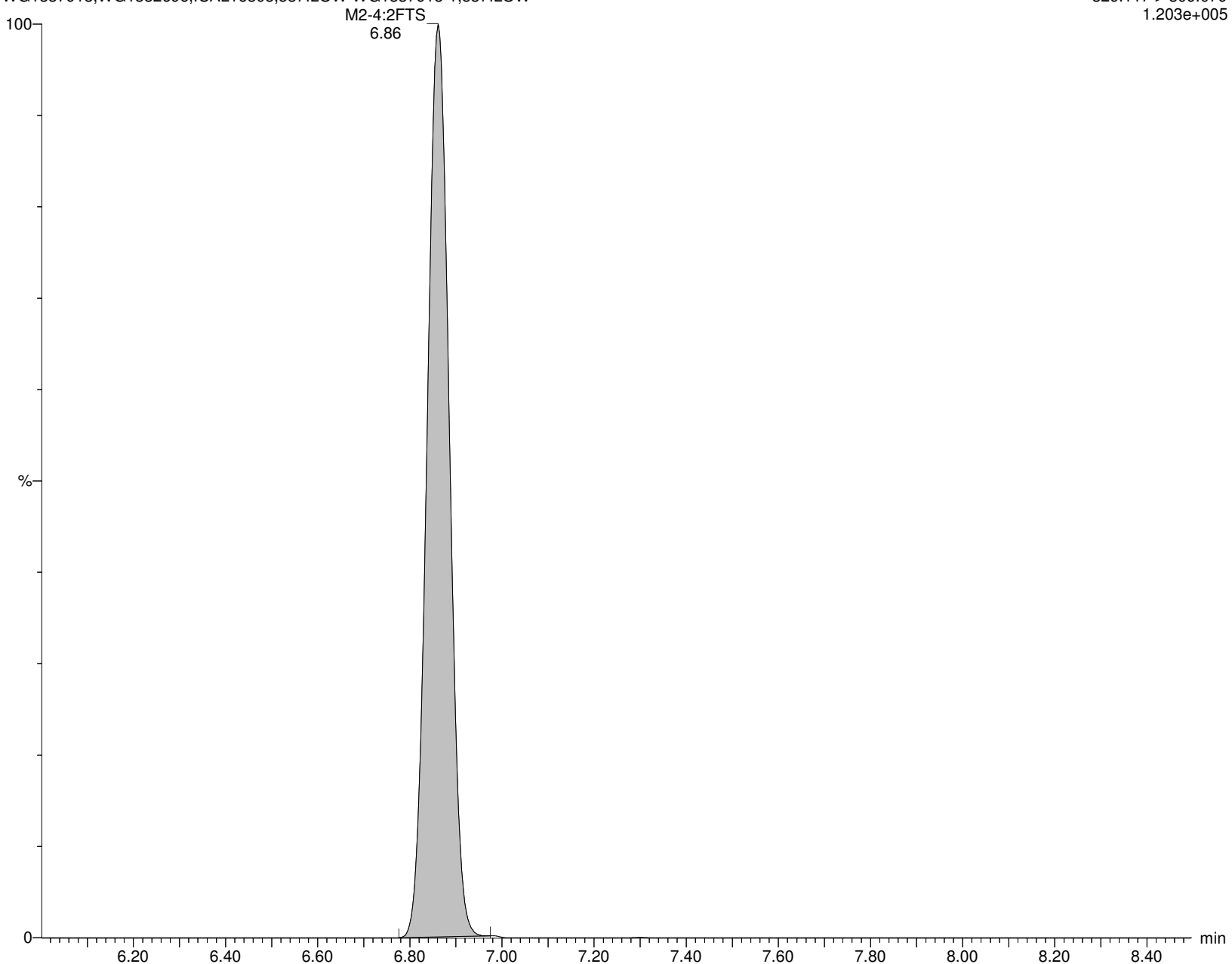
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.203e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

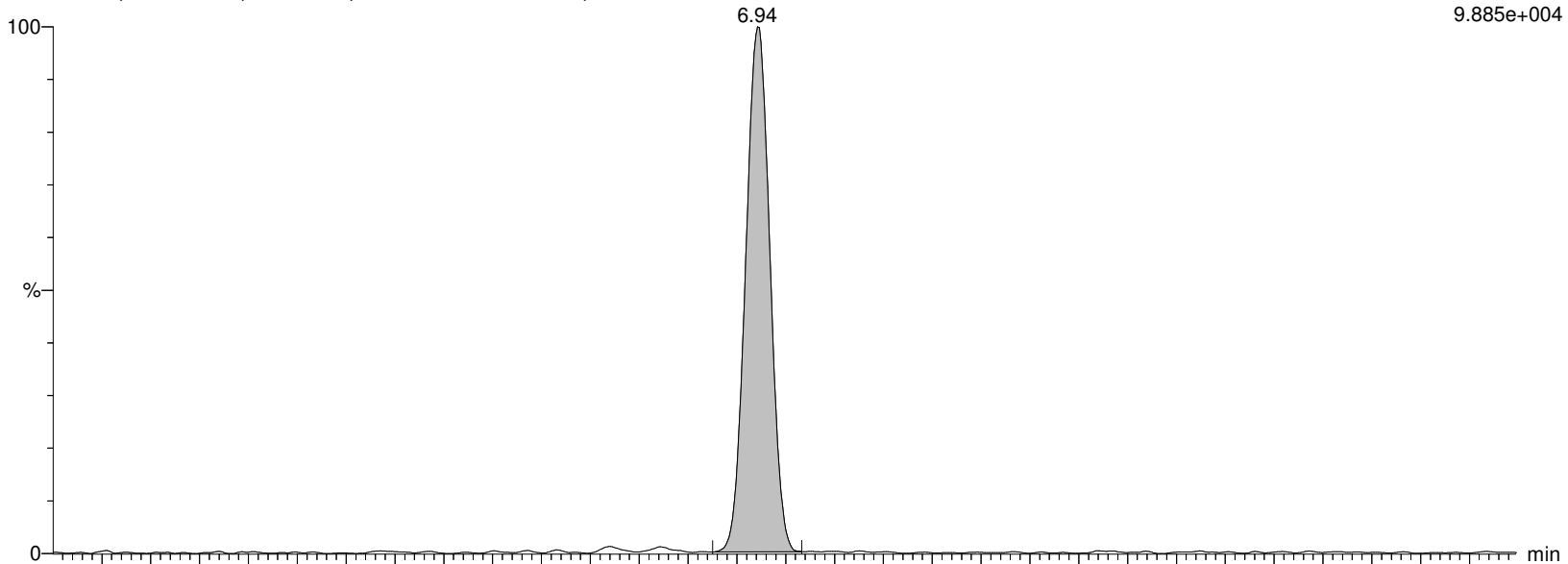
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F9:MRM of 2 channels, ES-

312.989 > 269.028

9.885e+004



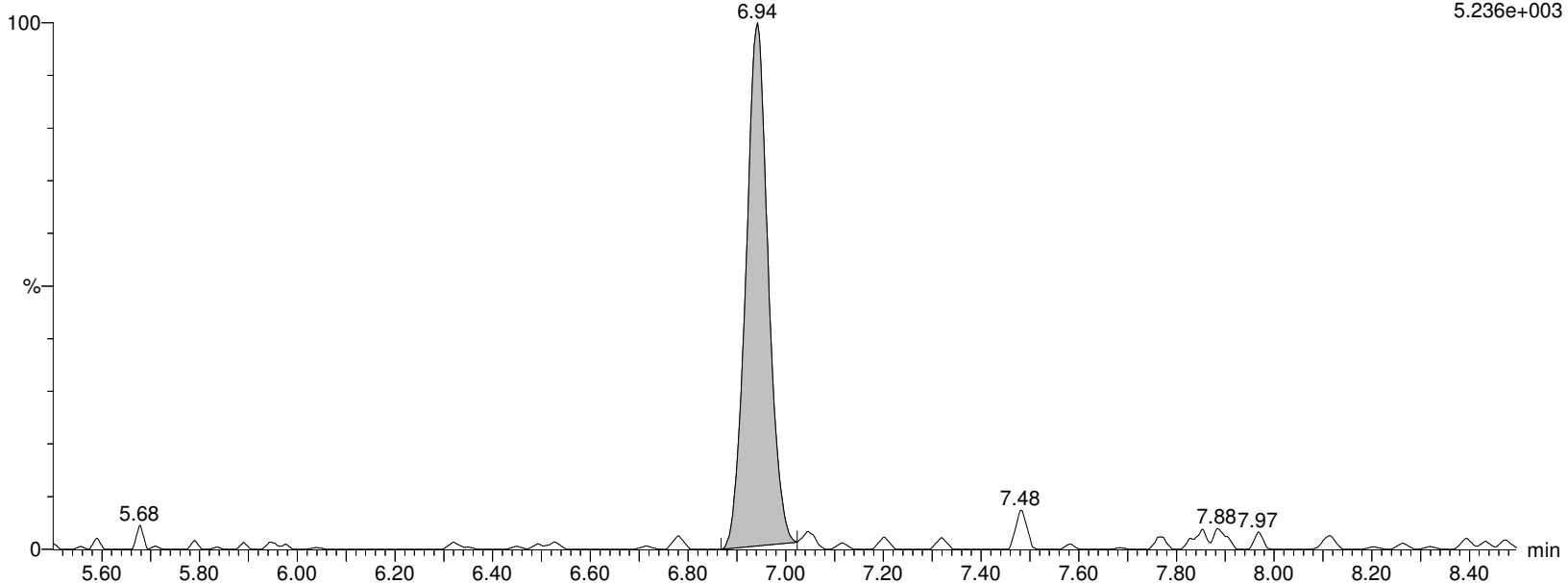
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F9:MRM of 2 channels, ES-

312.989 > 119.18

5.236e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

I18643 Smooth(Mn,2x3)

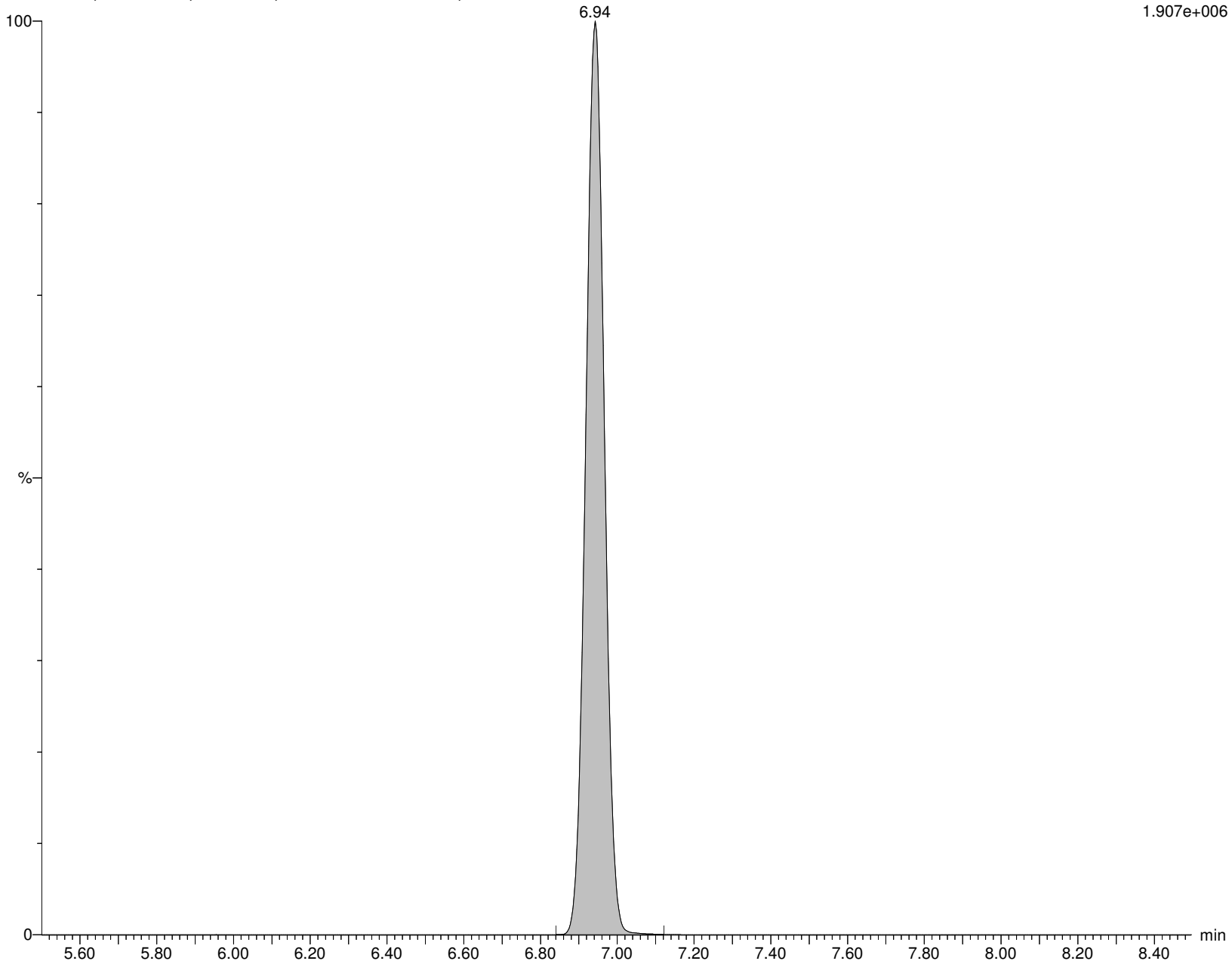
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M5PFHxA

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.907e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeS**

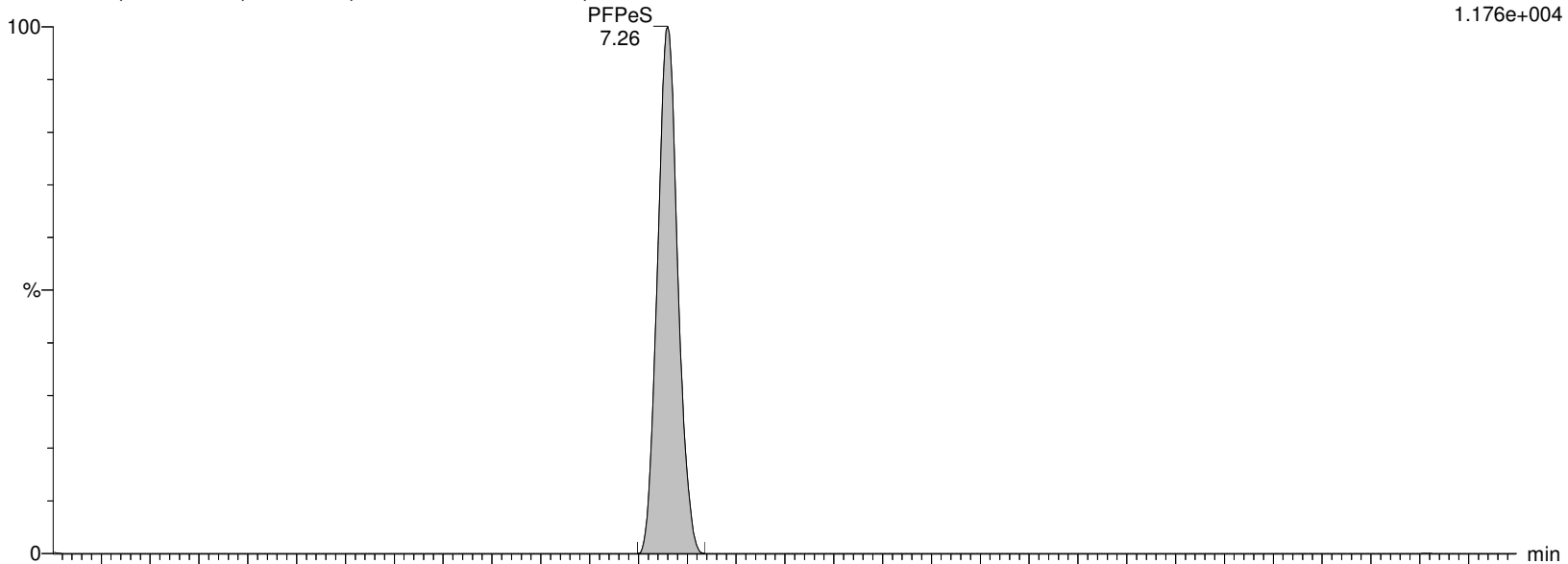
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F14:MRM of 2 channels, ES-

348.926 > 80.251

1.176e+004



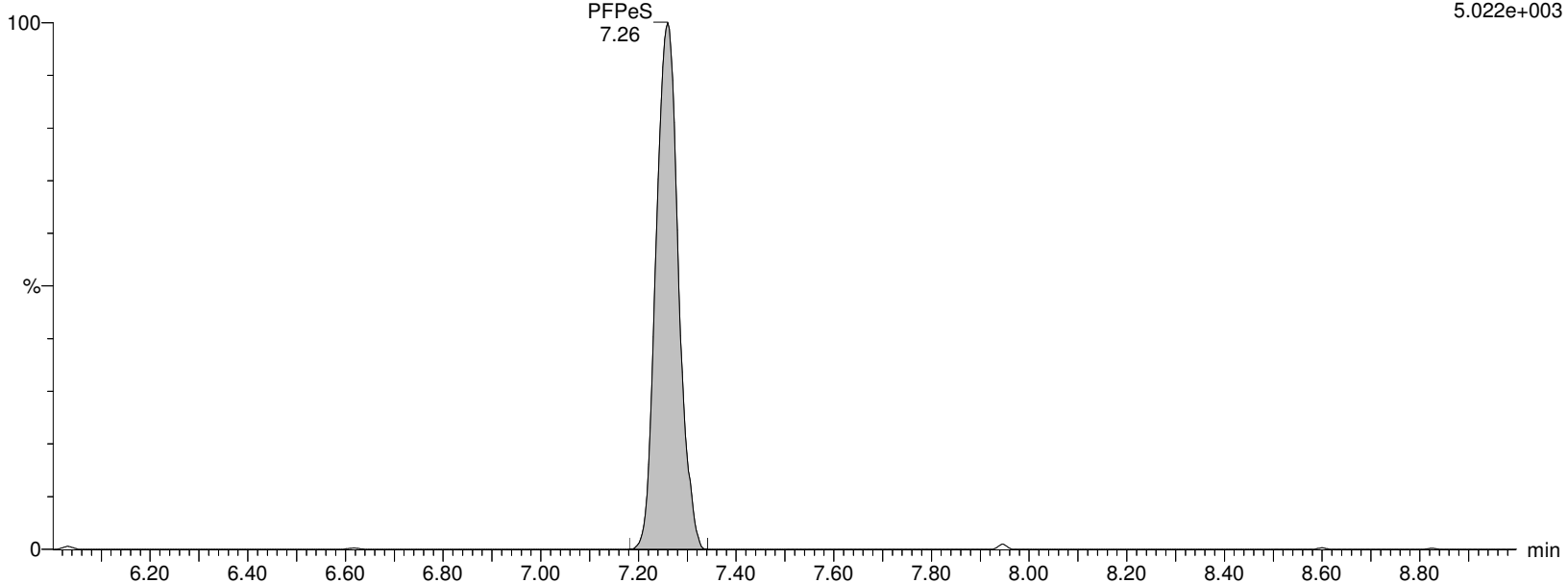
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F14:MRM of 2 channels, ES-

348.926 > 99.16

5.022e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

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MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

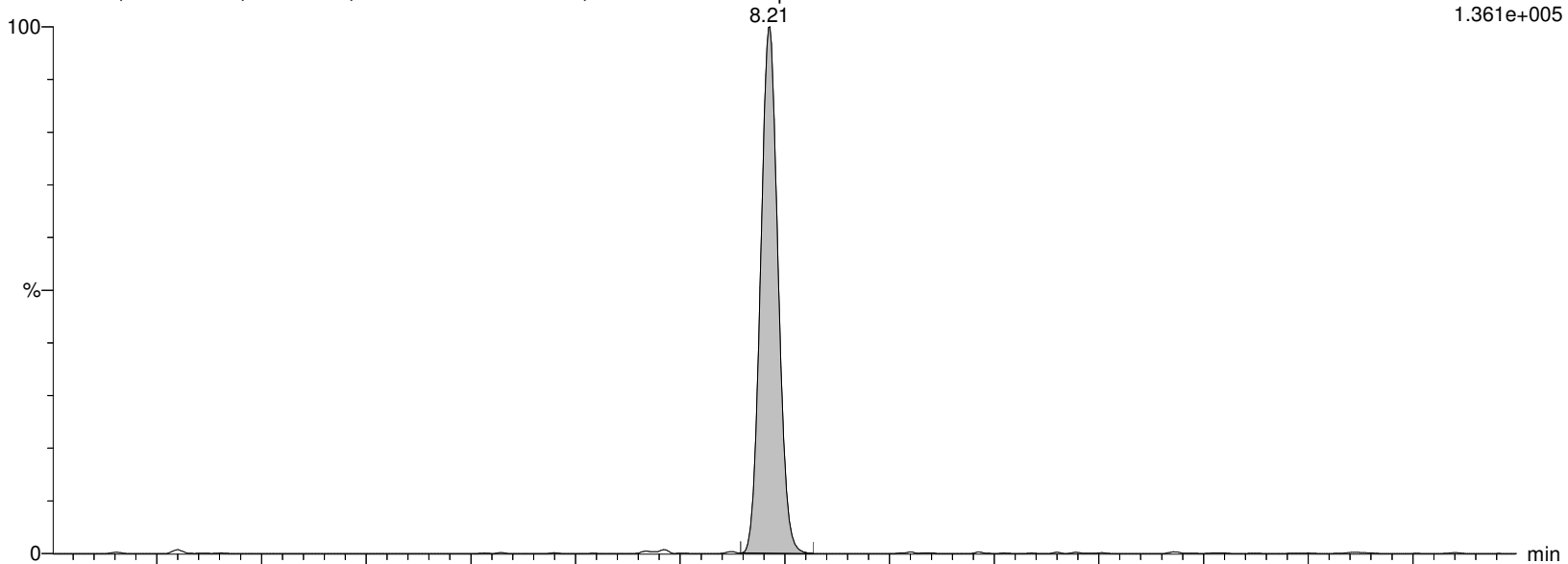
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F15:MRM of 2 channels, ES-

362.926 > 319.014

1.361e+005



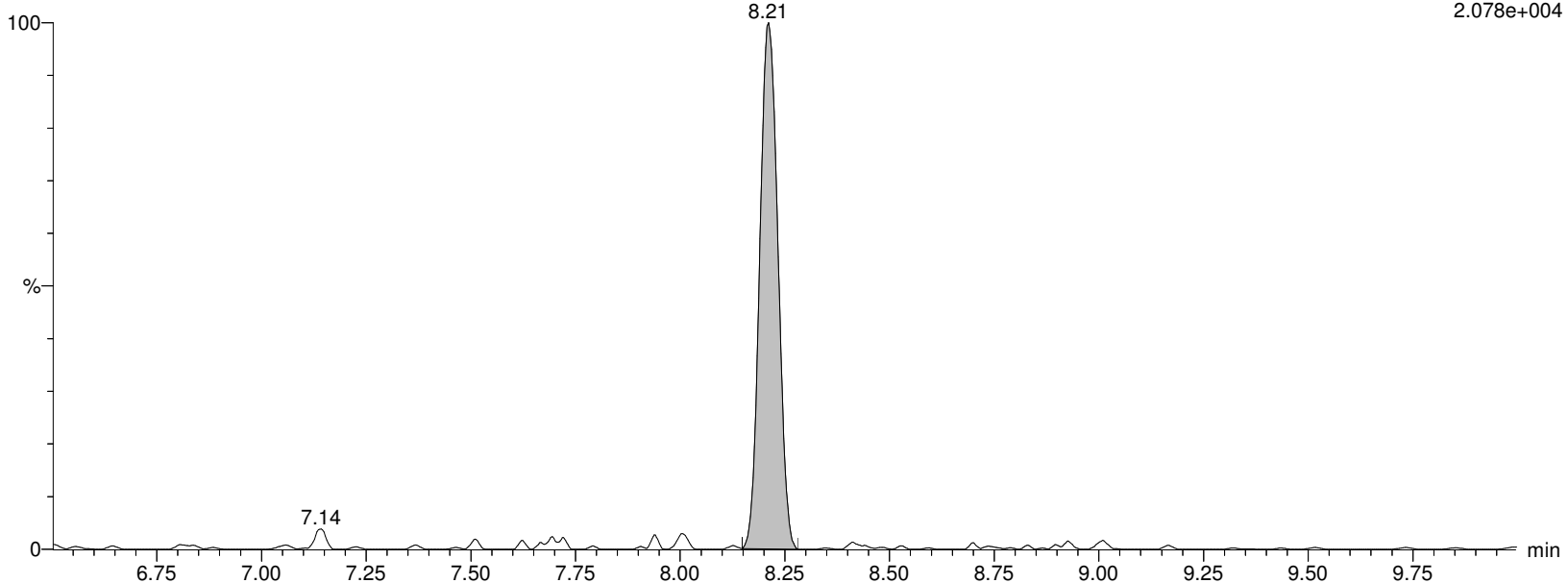
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F15:MRM of 2 channels, ES-

362.926 > 169.12

2.078e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

I18643 Smooth(Mn,2x3)

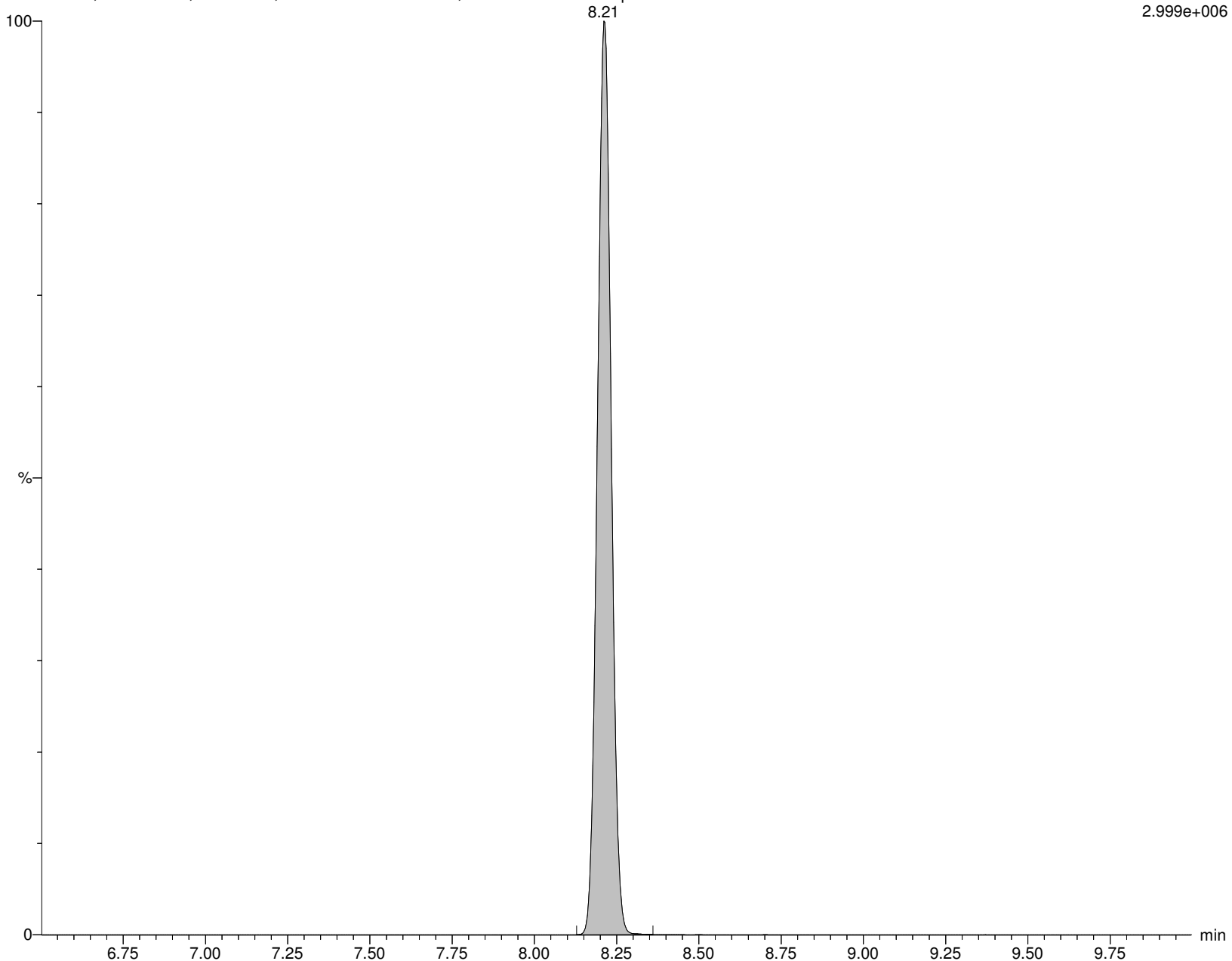
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M4PFHpA

F16:MRM of 1 channel,ES-

366.926 > 321.979

2.999e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

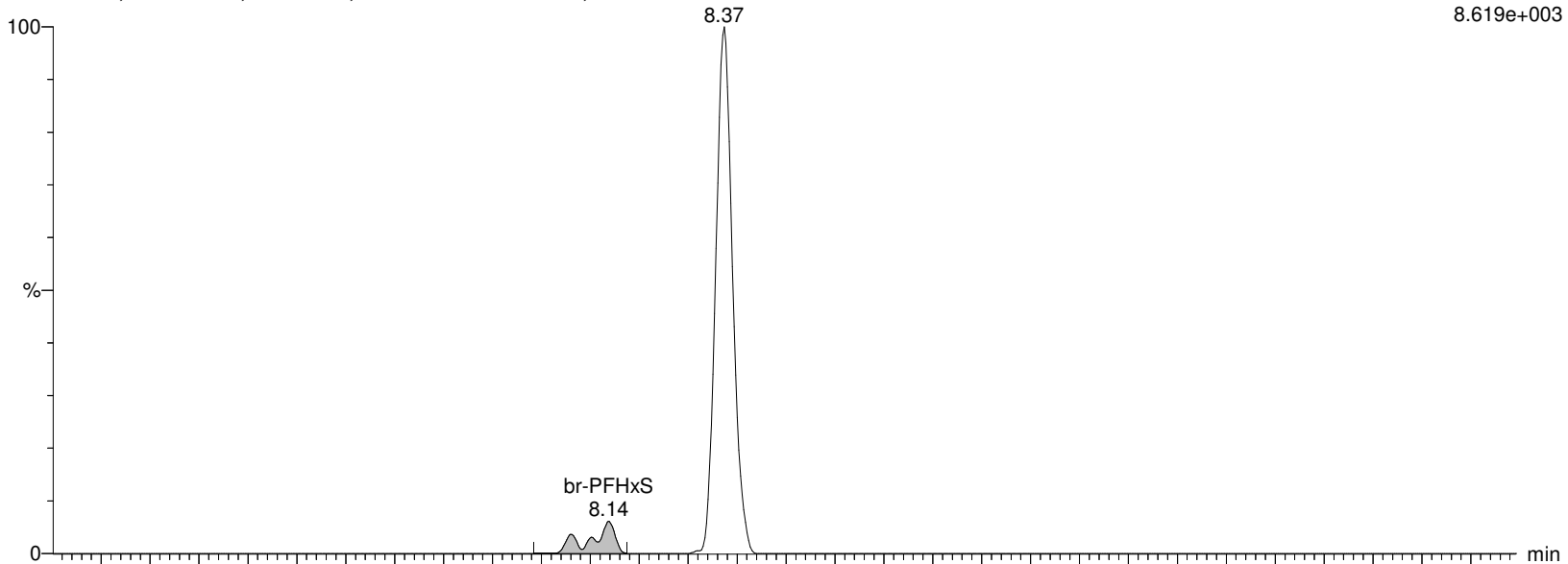
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

8.619e+003



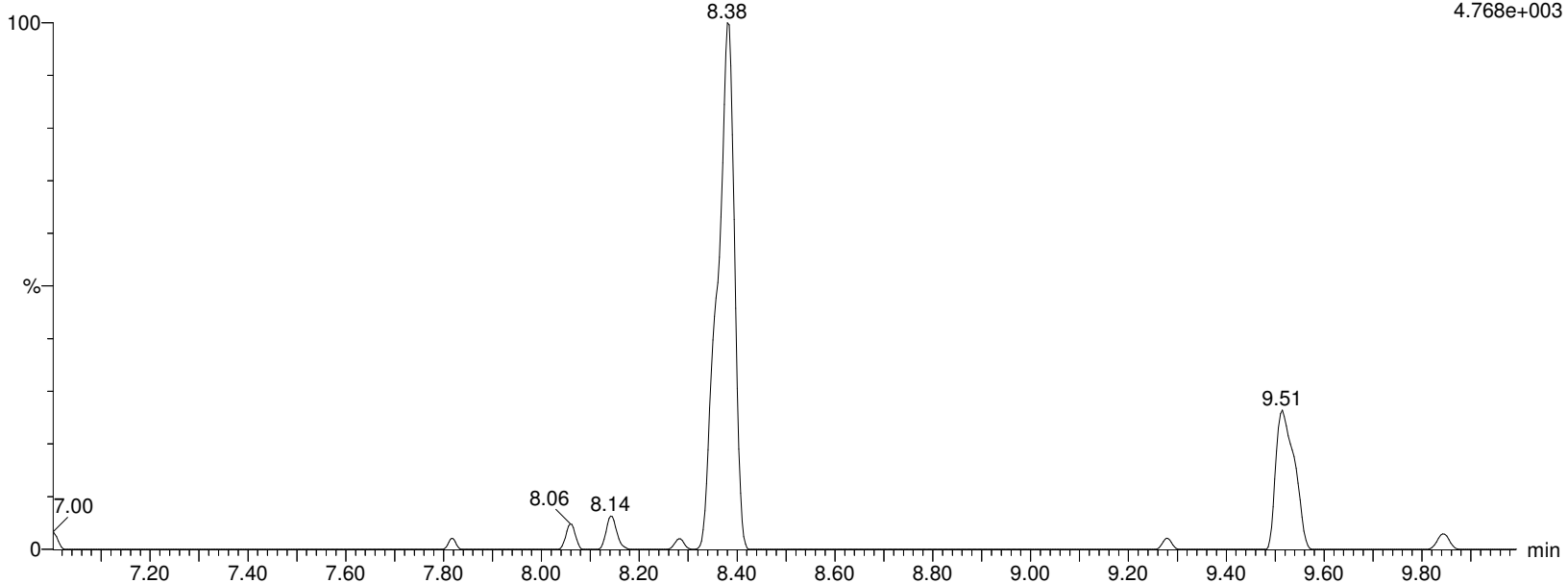
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.768e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

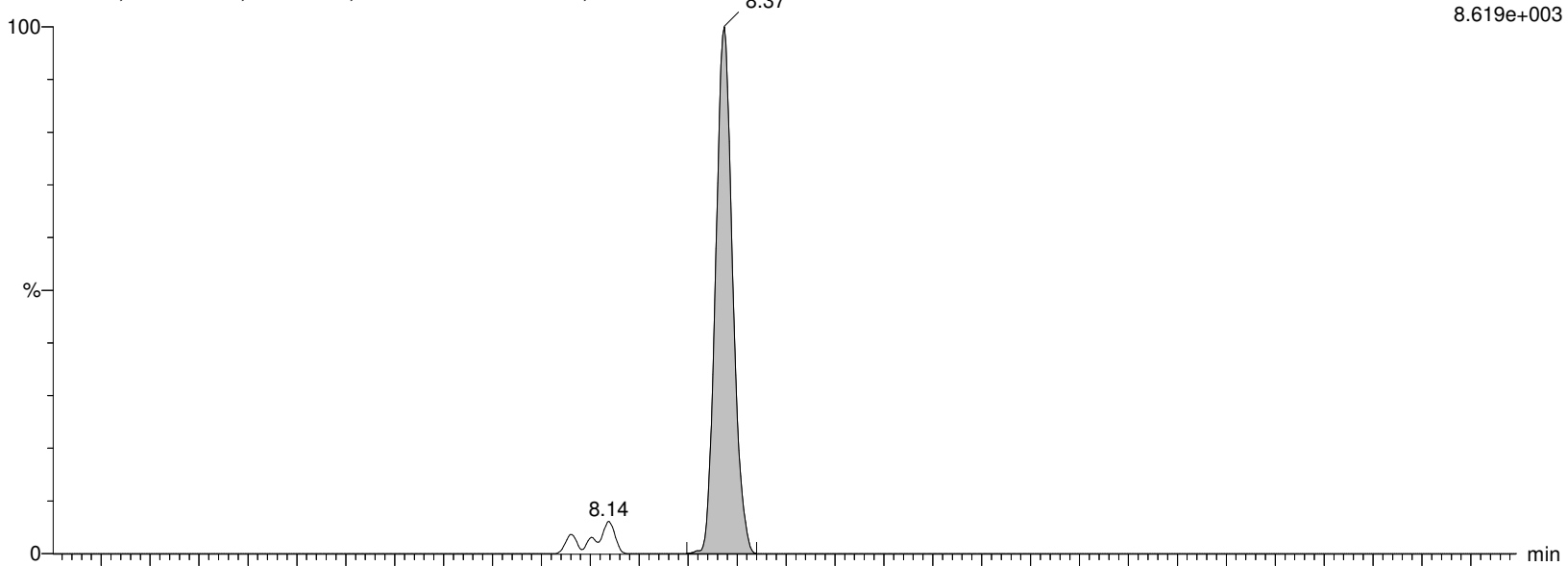
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

8.619e+003



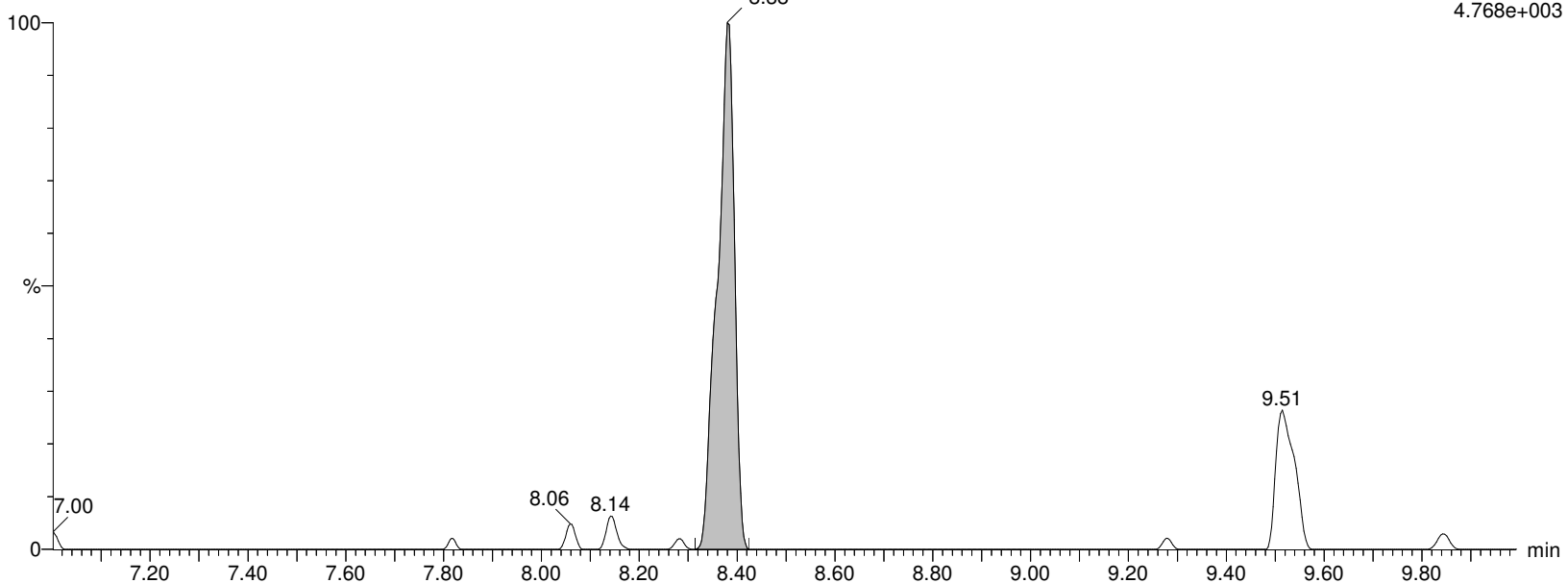
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.768e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

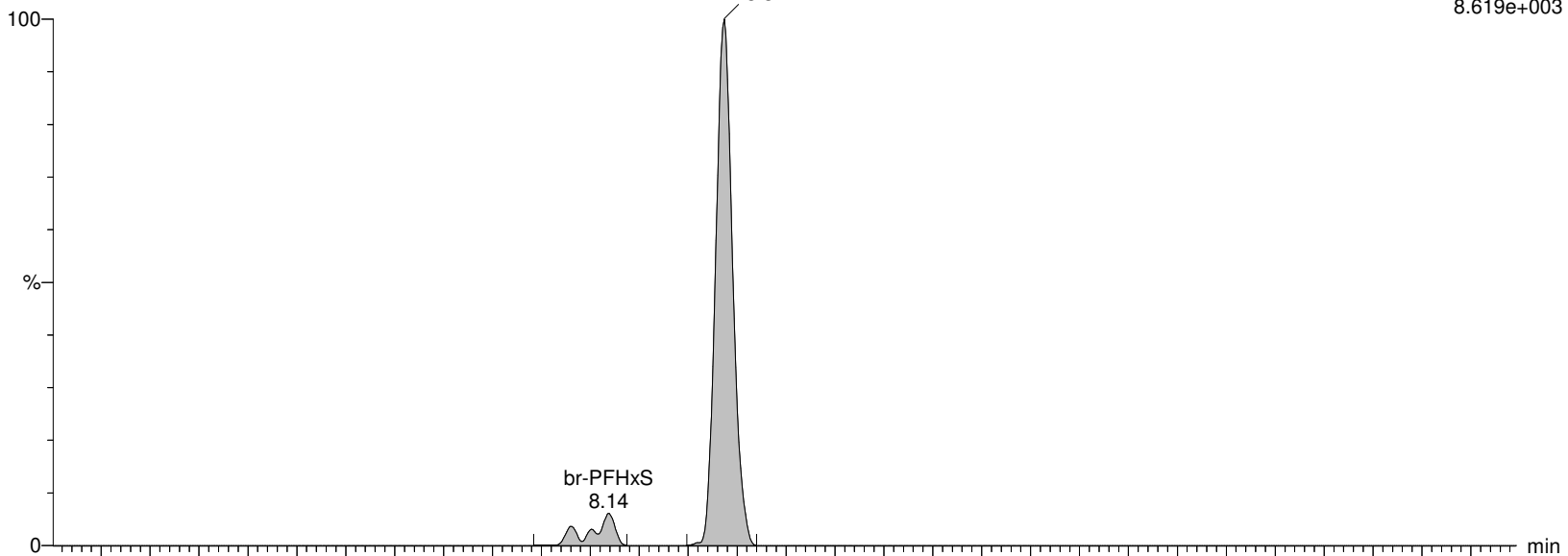
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

8.619e+003



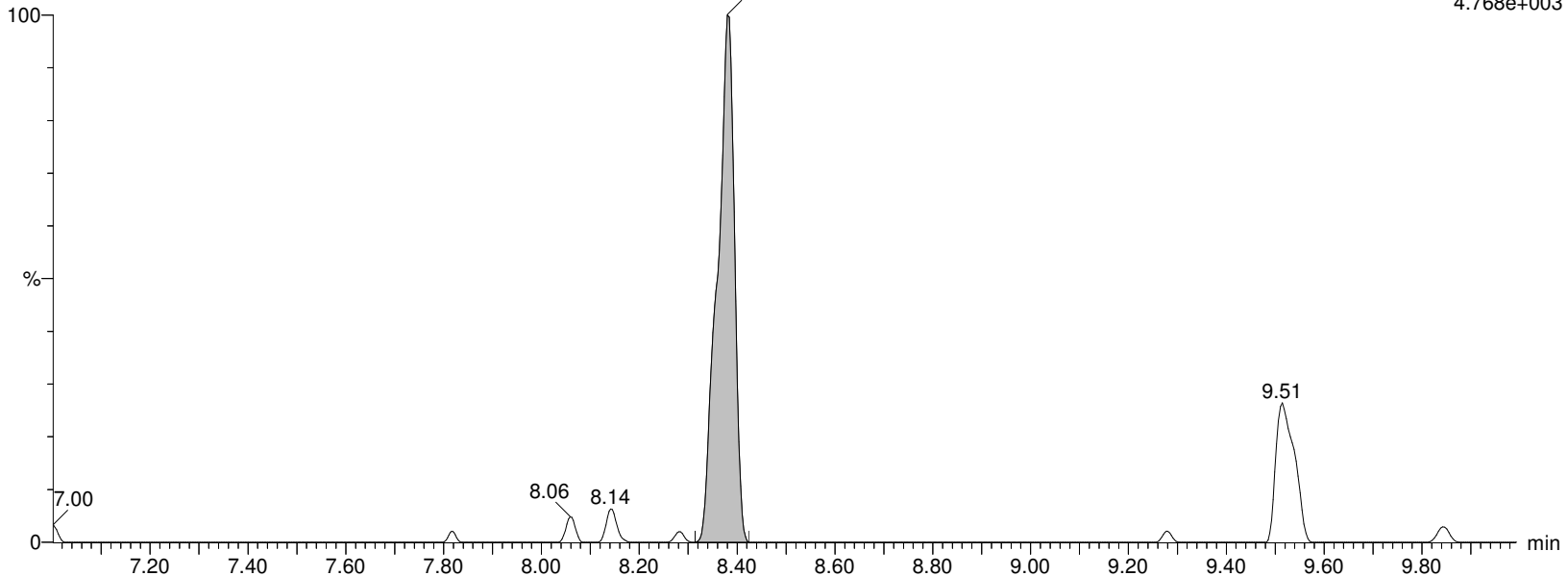
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.768e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFHxS

I18643 Smooth(Mn,2x3)

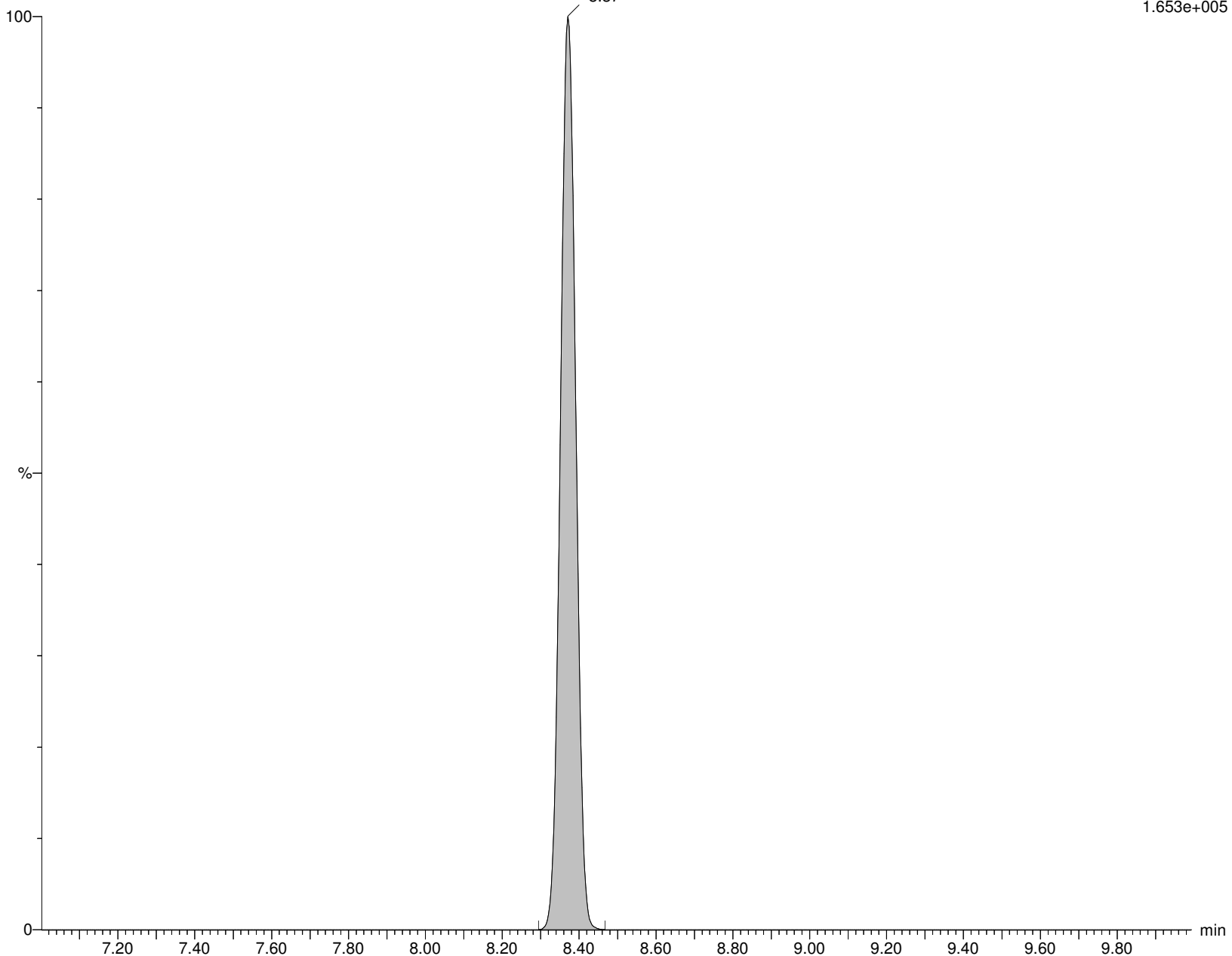
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

M3PFHxS
8.37

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.653e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

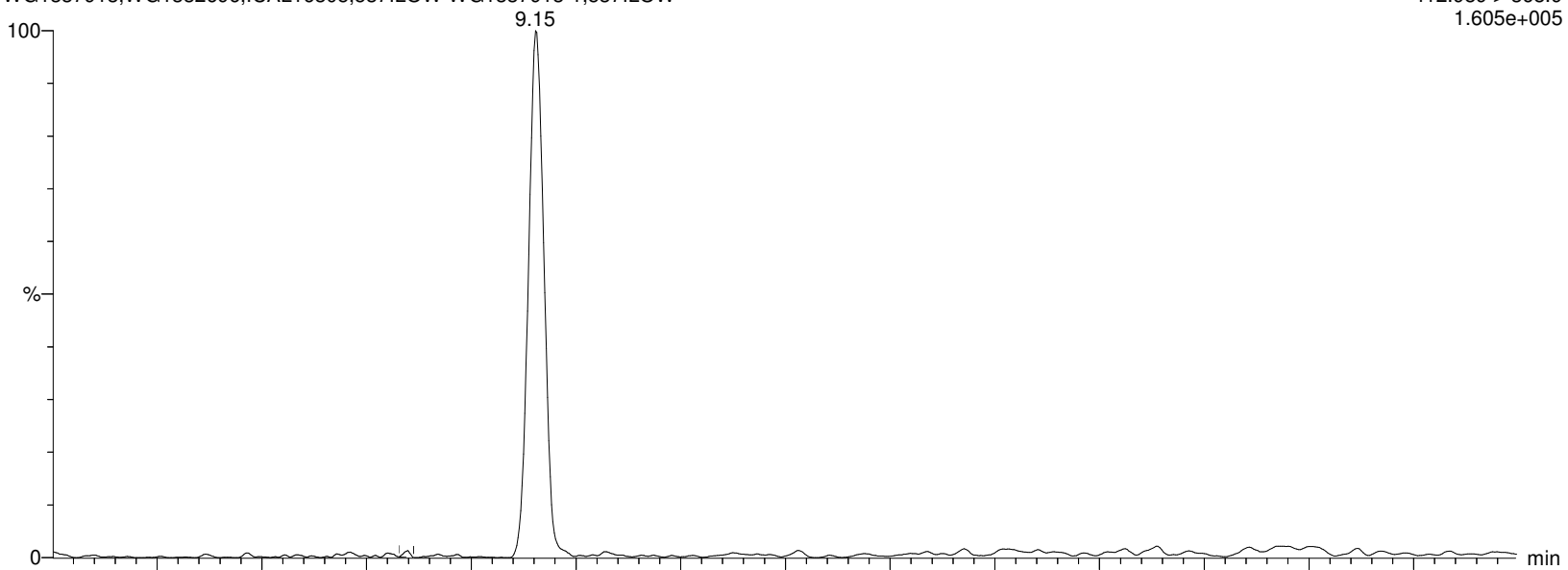
I18643 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.605e+005



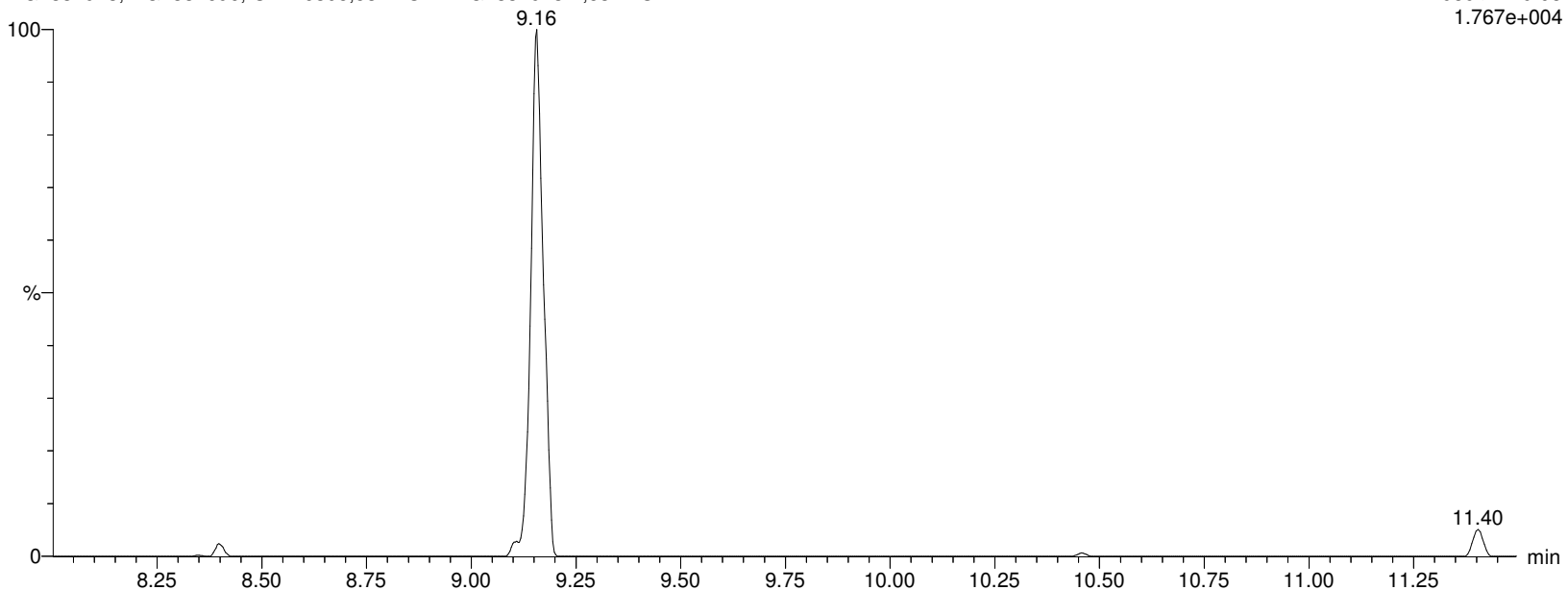
I18643 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.767e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

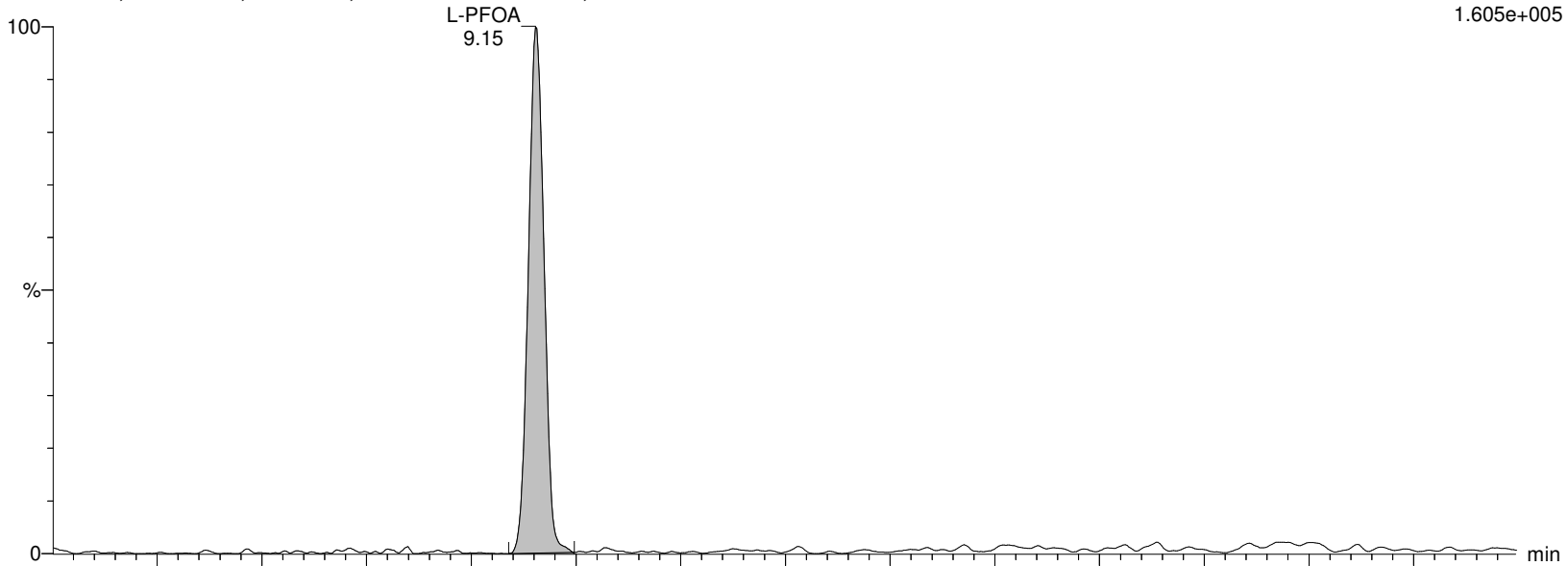
I18643 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.605e+005



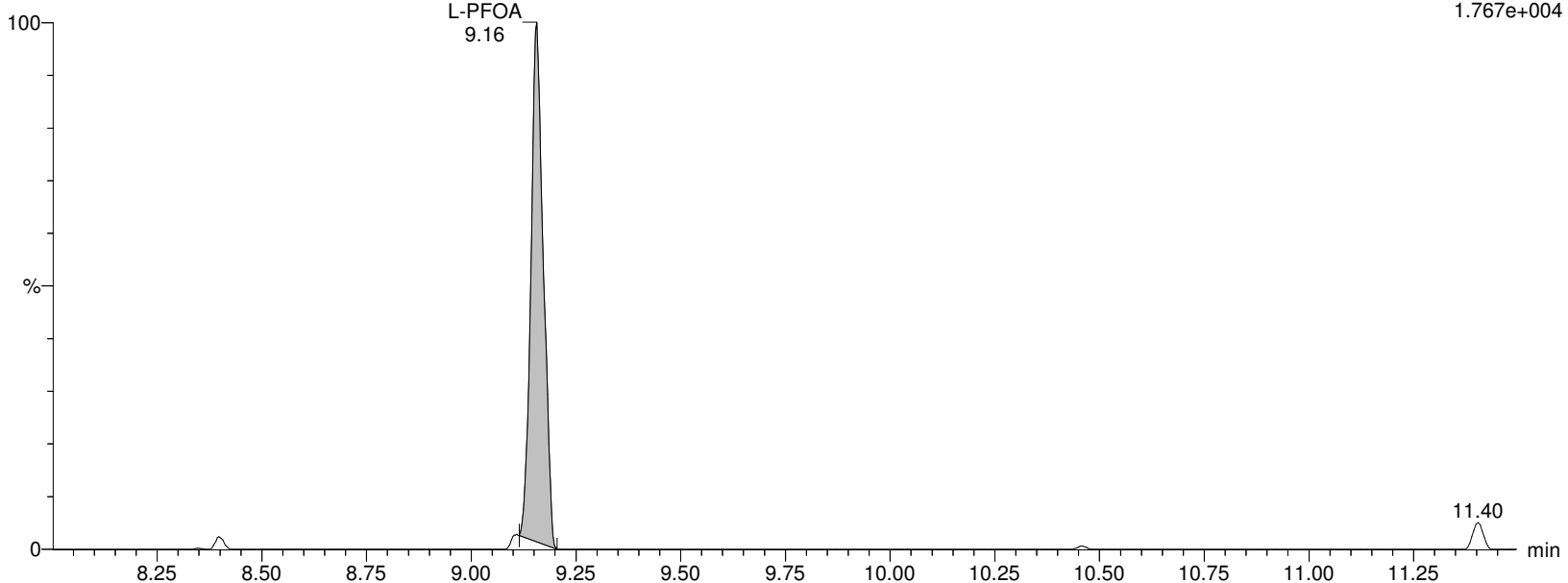
I18643 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.767e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

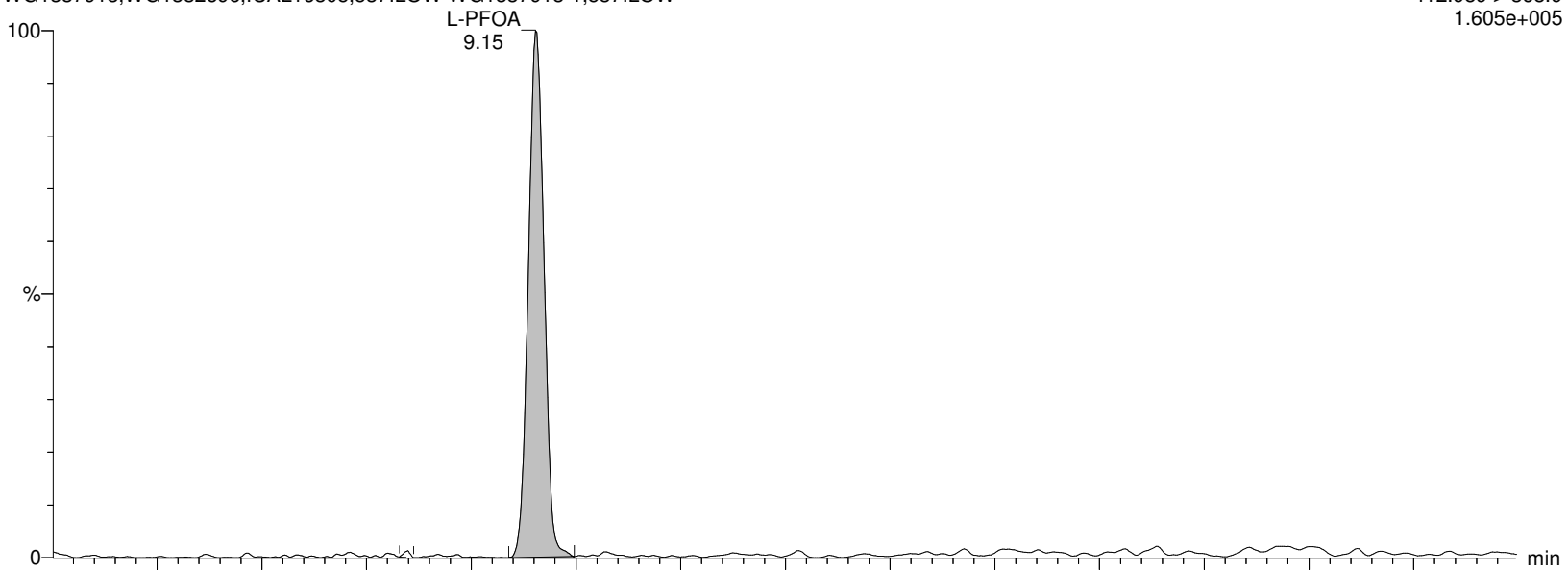
I18643 Smooth(Mn,2x2)

F20:MRM of 2 channels,ES-

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

412.989 > 368.9

1.605e+005



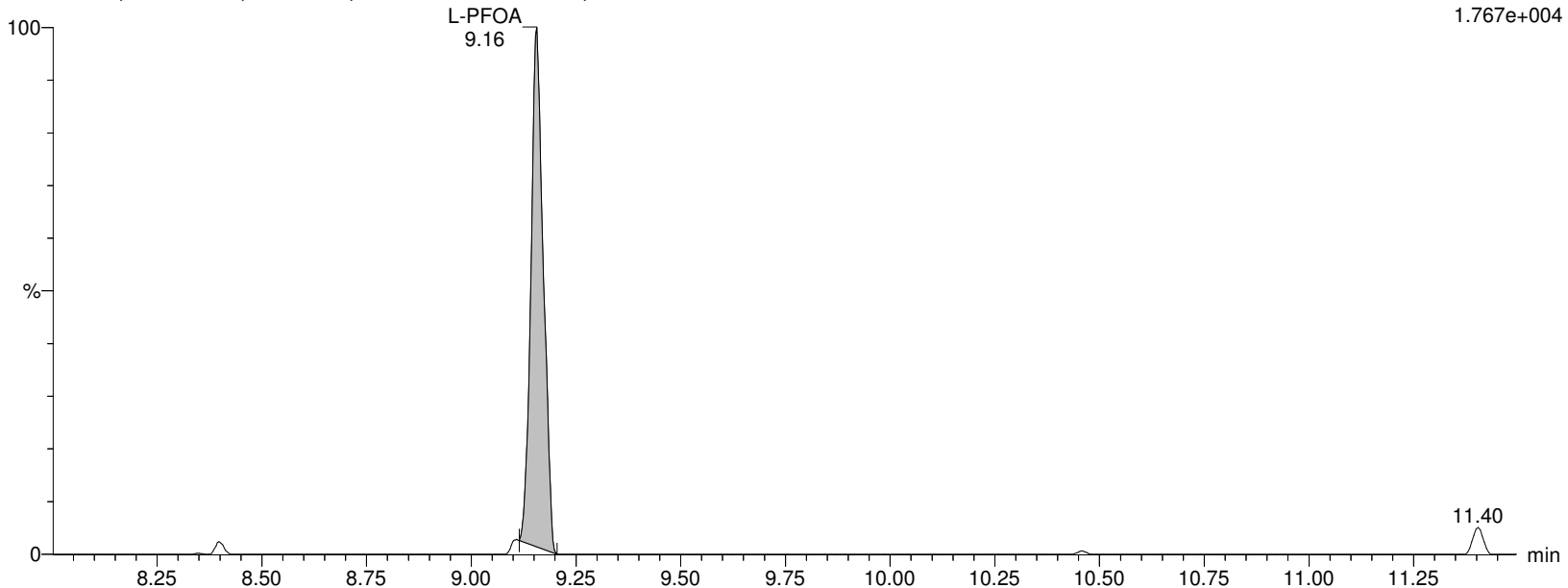
I18643 Smooth(Mn,2x2)

F20:MRM of 2 channels,ES-

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

412.989 > 219.08

1.767e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

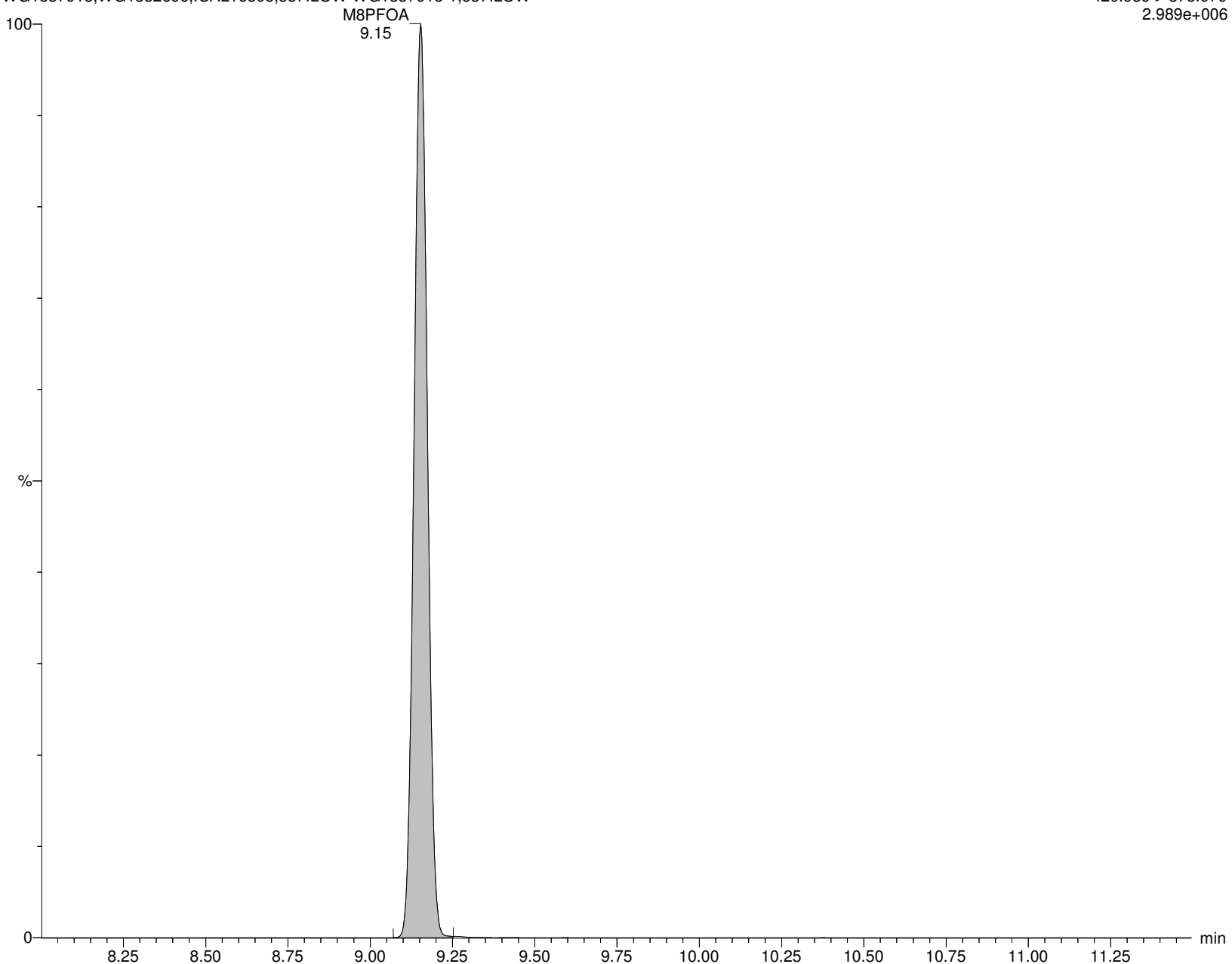
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.989e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

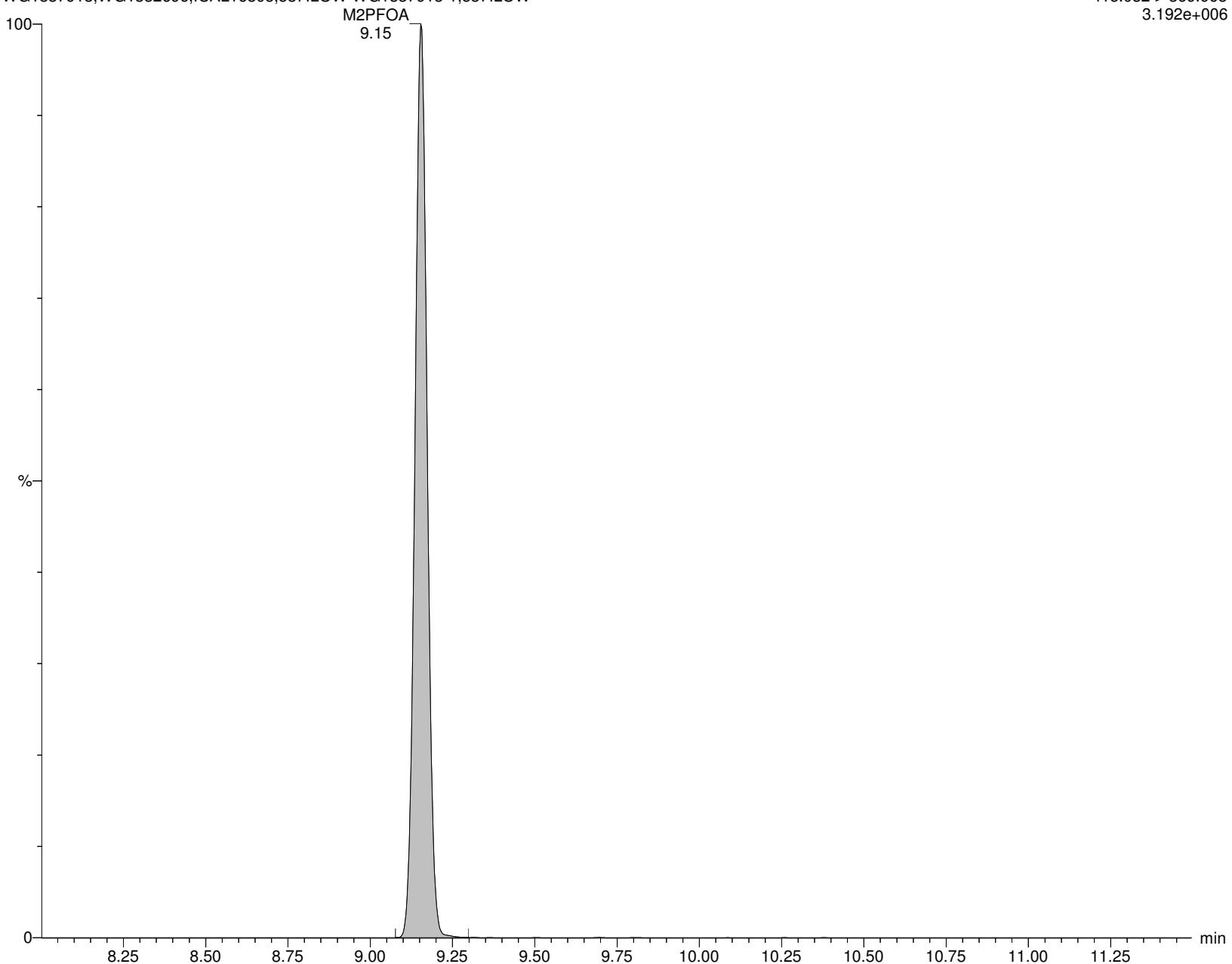
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F21:MRM of 1 channel, ES-

415.032 > 369.968

3.192e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

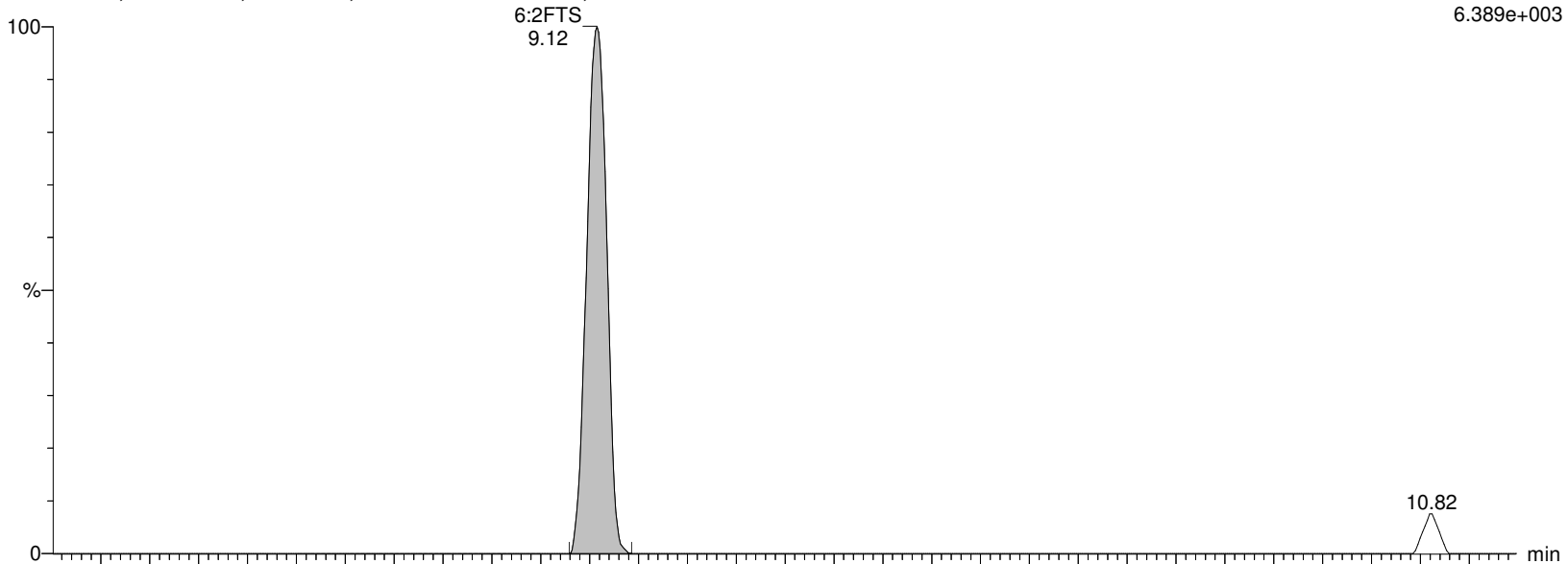
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F23:MRM of 3 channels,ES-

426.989 > 406.921

6.389e+003



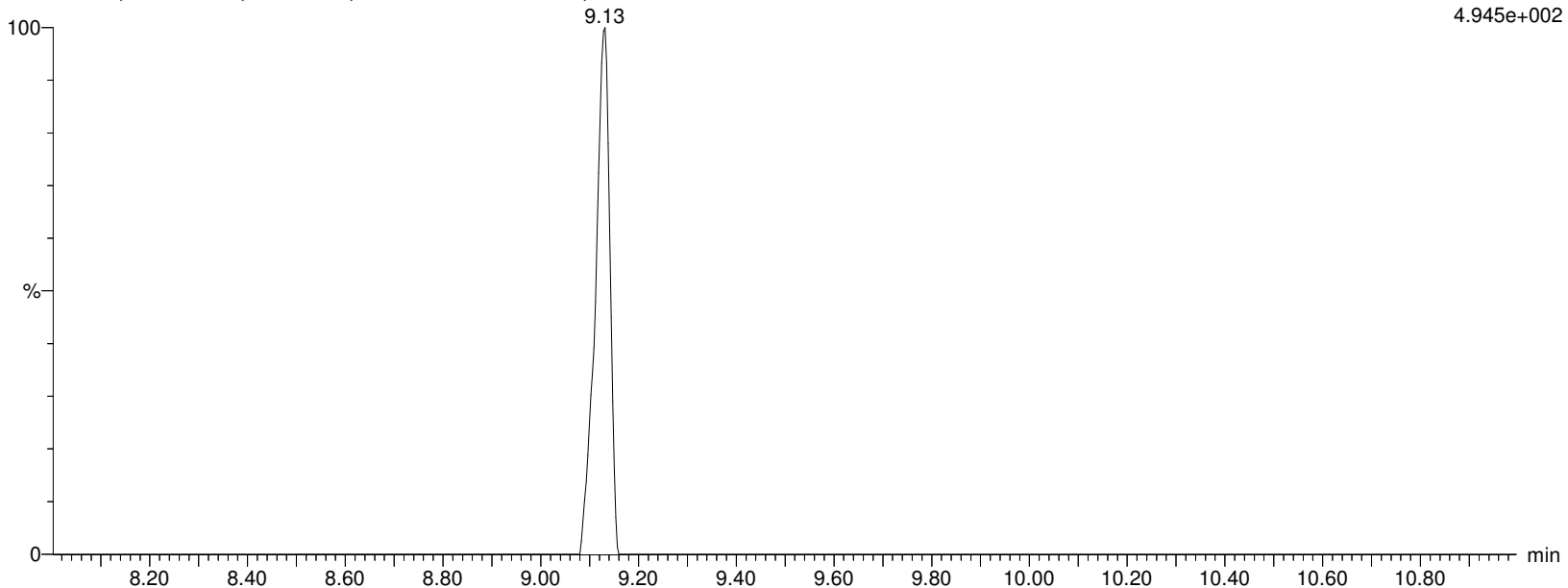
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F23:MRM of 3 channels,ES-

426.862 > 80.5

4.945e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

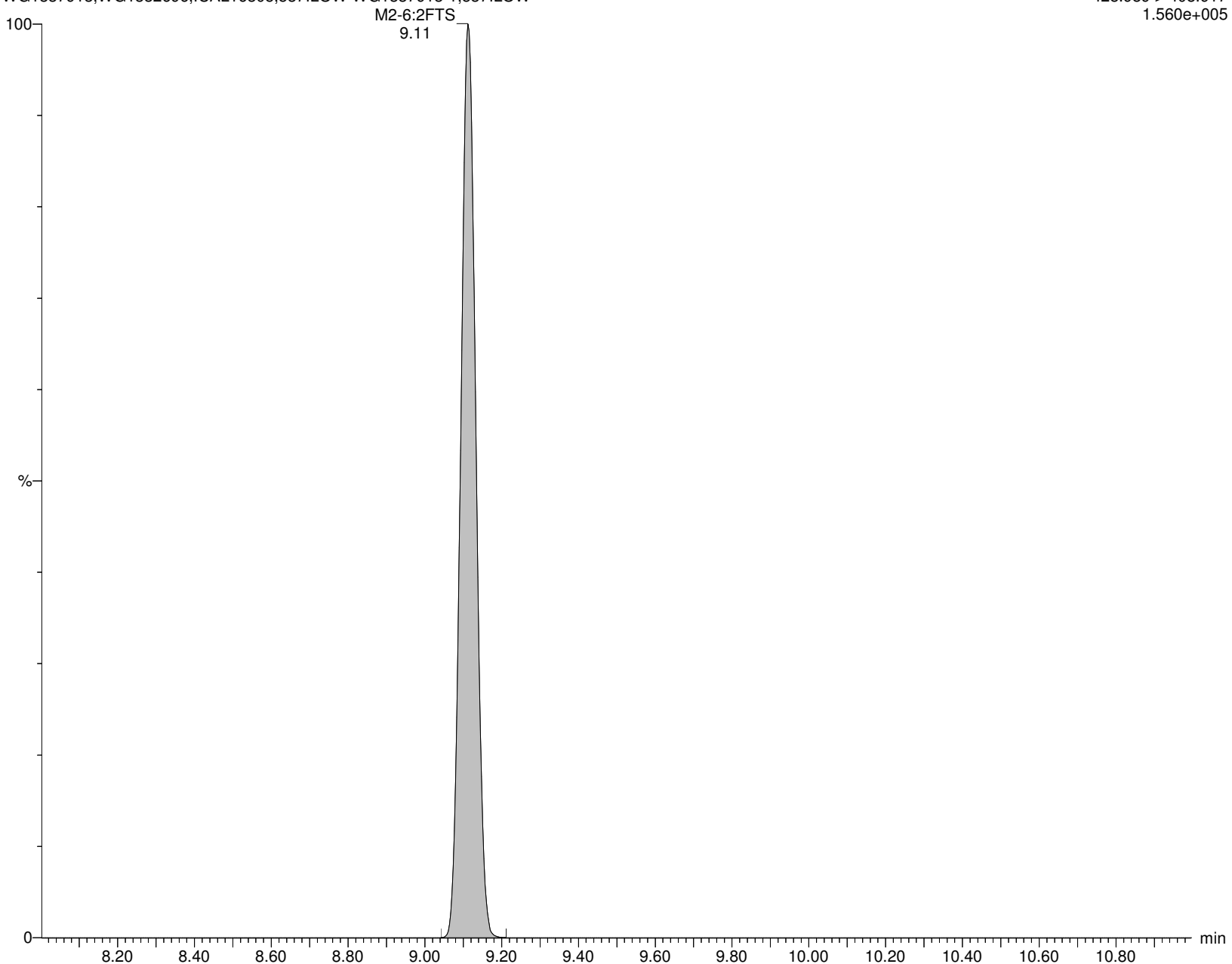
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.560e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

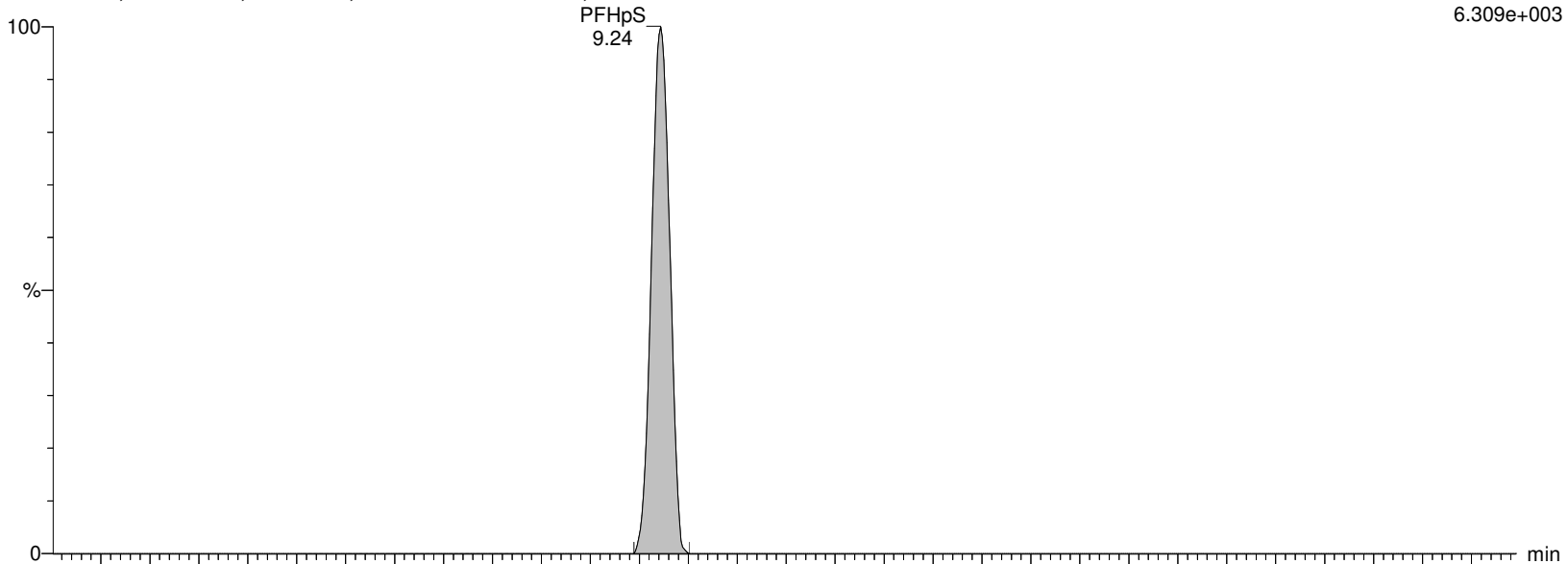
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F25:MRM of 2 channels, ES-

448.926 > 80.257

6.309e+003



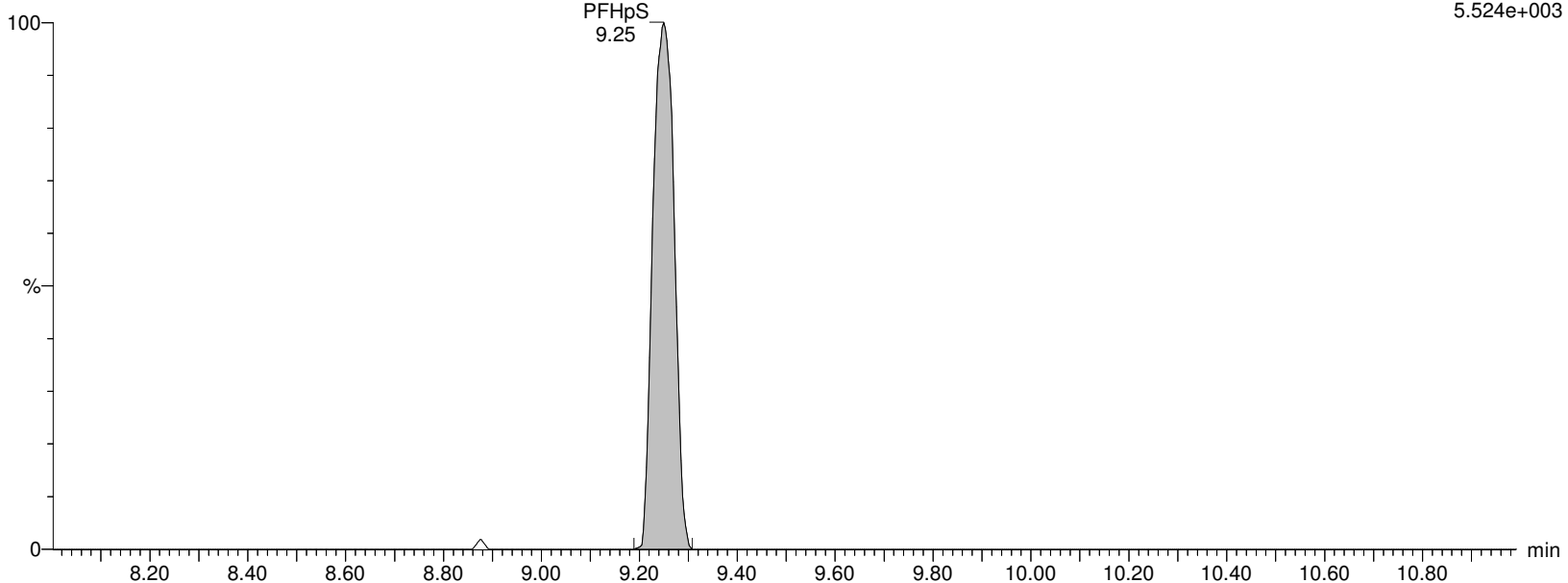
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F25:MRM of 2 channels, ES-

448.926 > 99.22

5.524e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

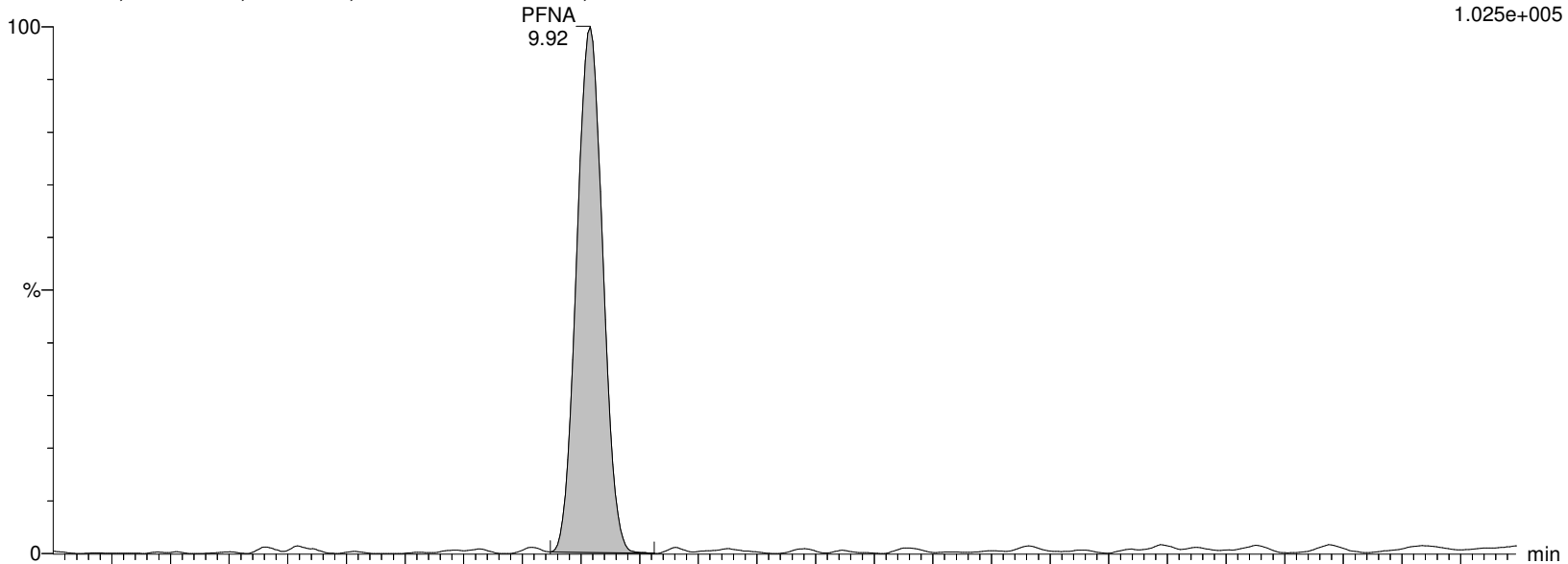
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F26:MRM of 2 channels, ES-

462.989 > 418.931

1.025e+005



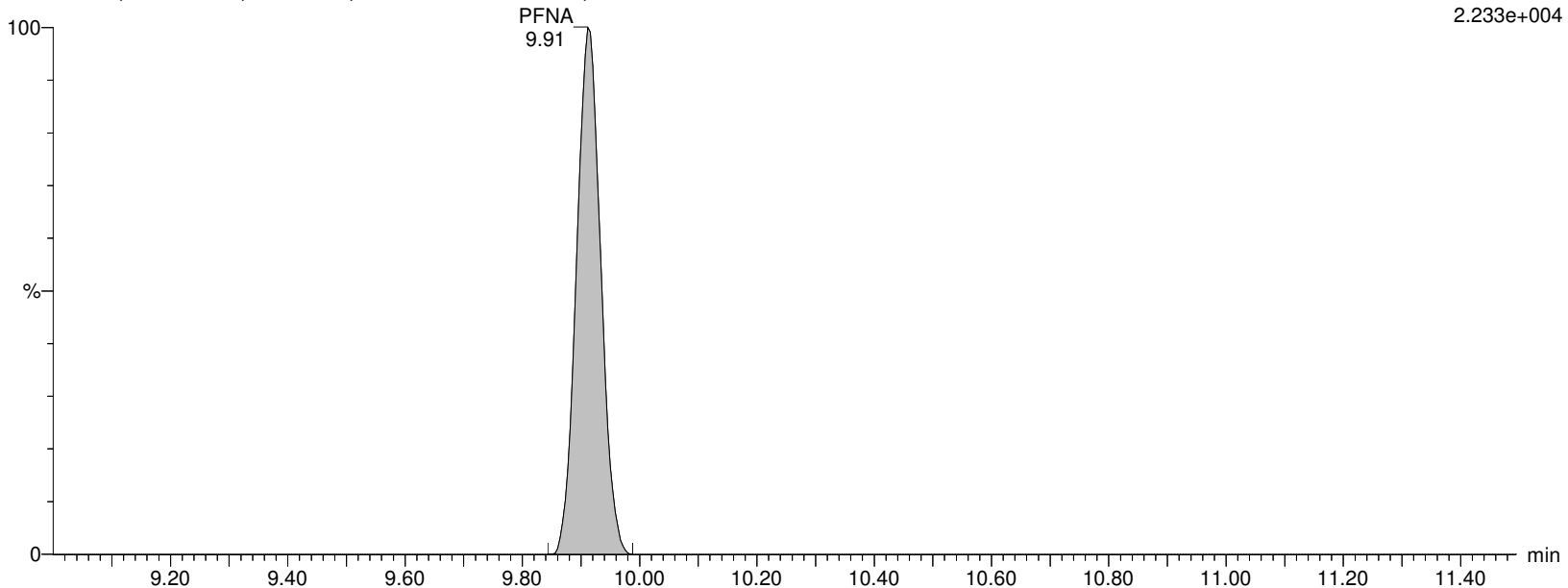
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F26:MRM of 2 channels, ES-

462.989 > 219.04

2.233e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

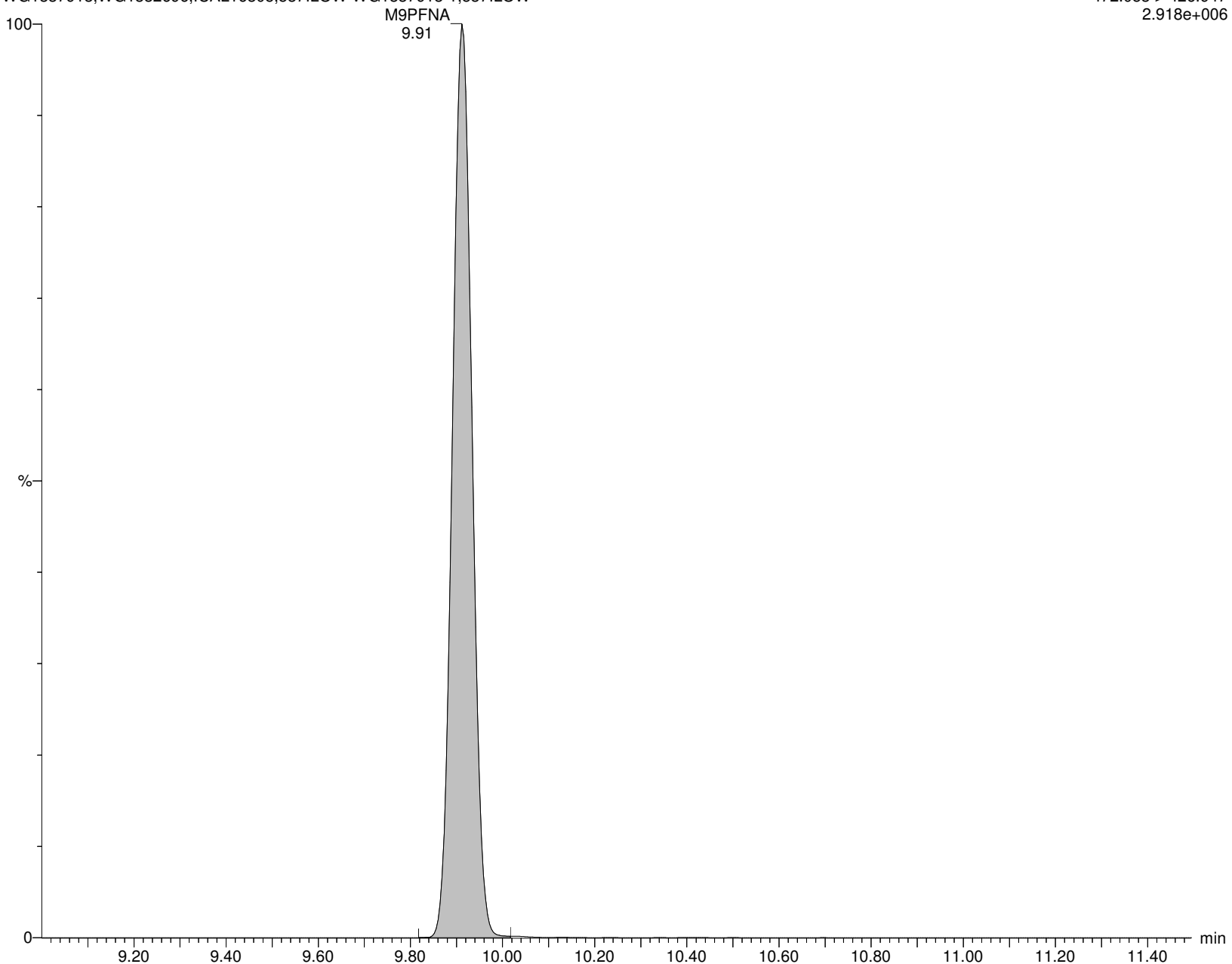
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.918e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

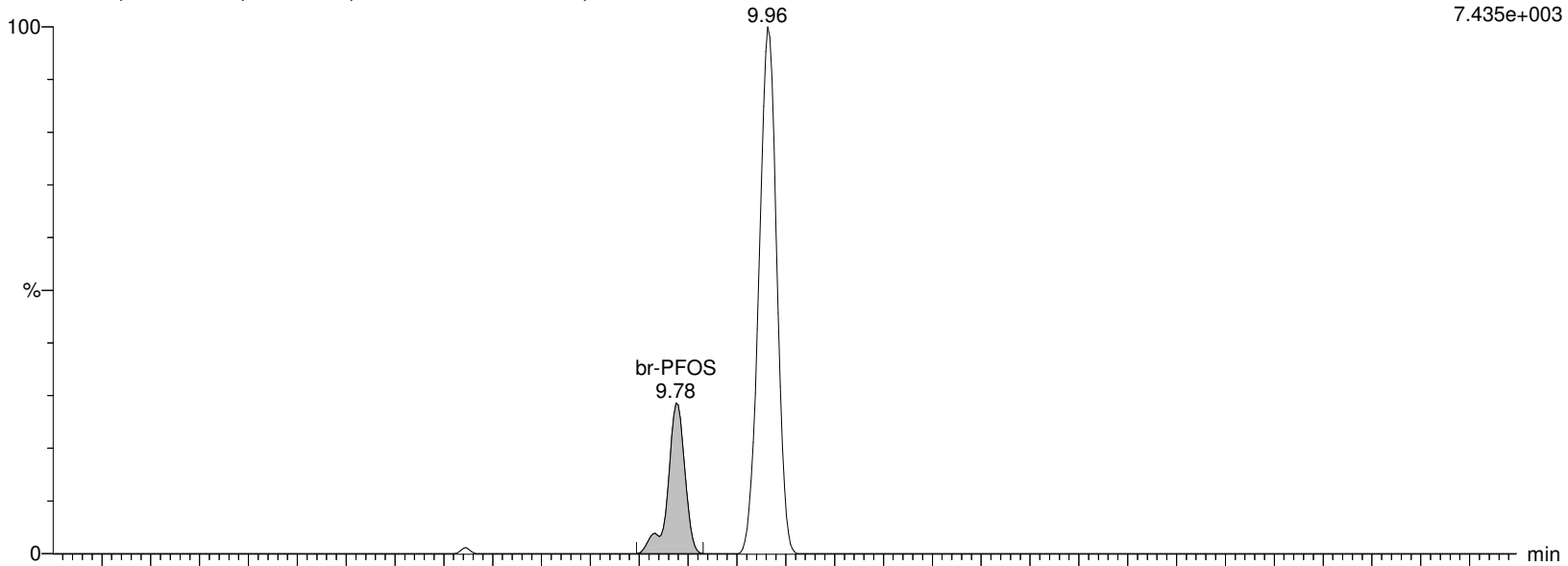
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.435e+003



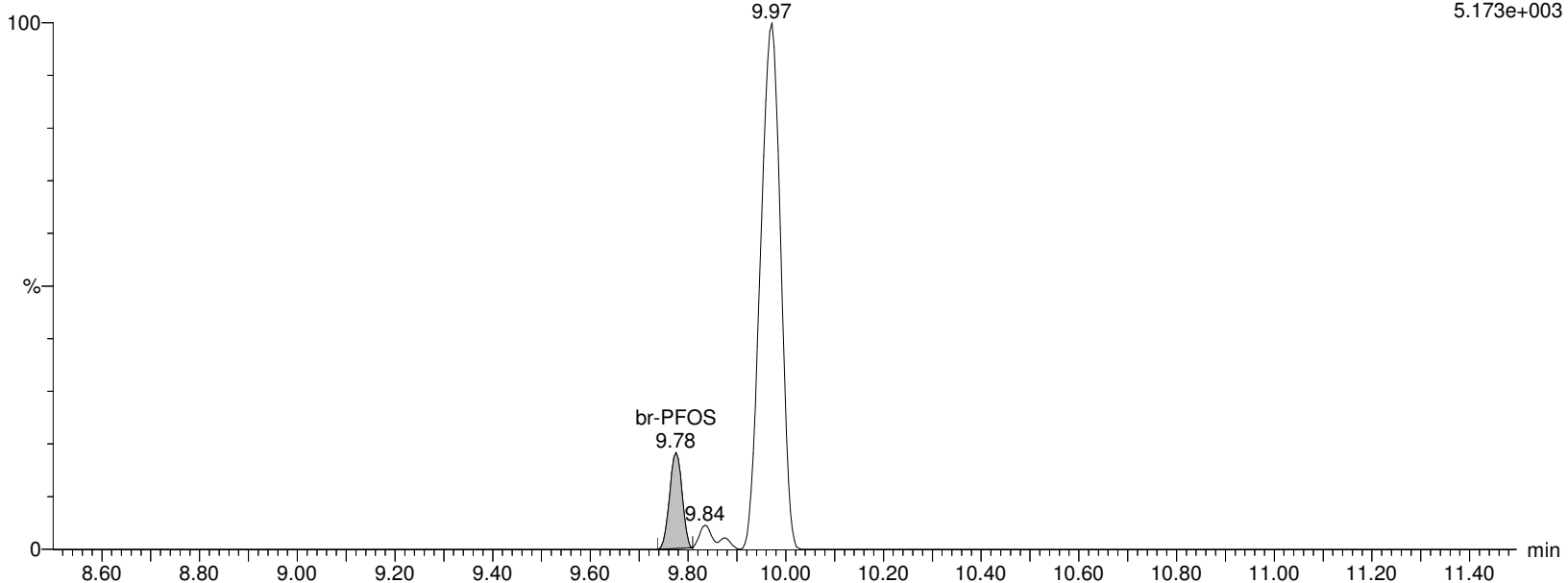
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 99.27

5.173e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

I18643 Smooth(Mn,3x2)

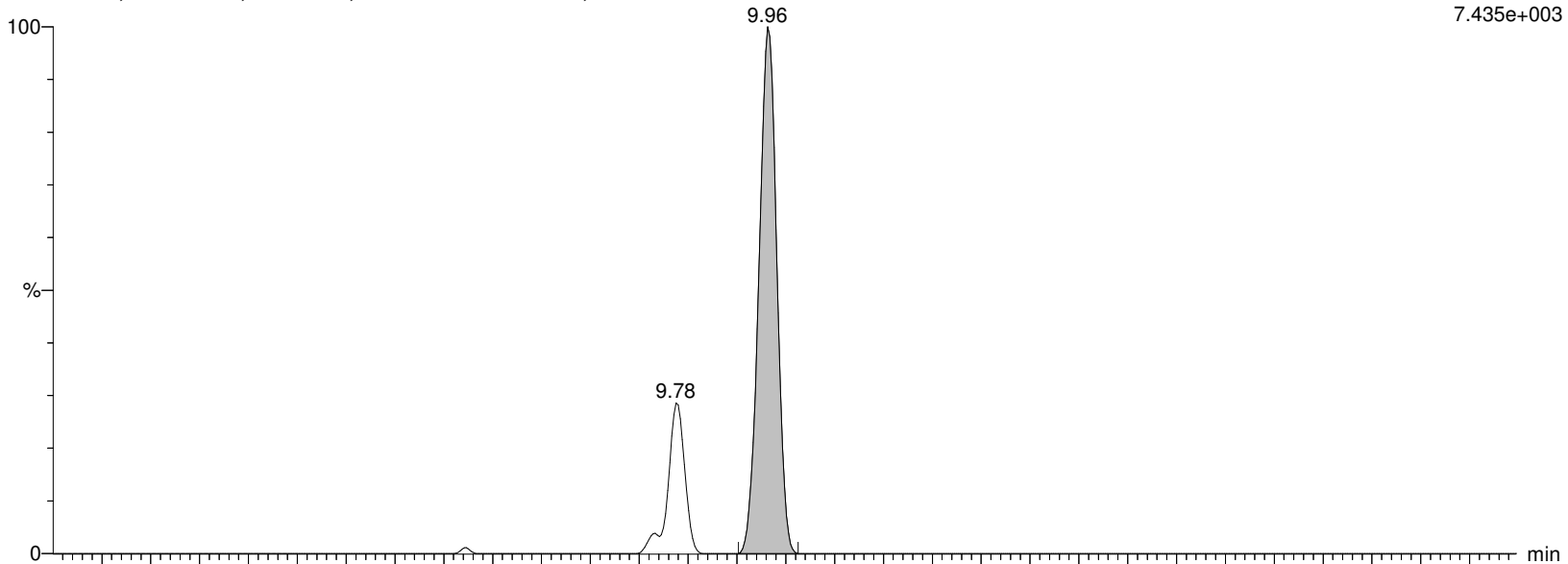
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.435e+003



I18643 Smooth(Mn,3x2)

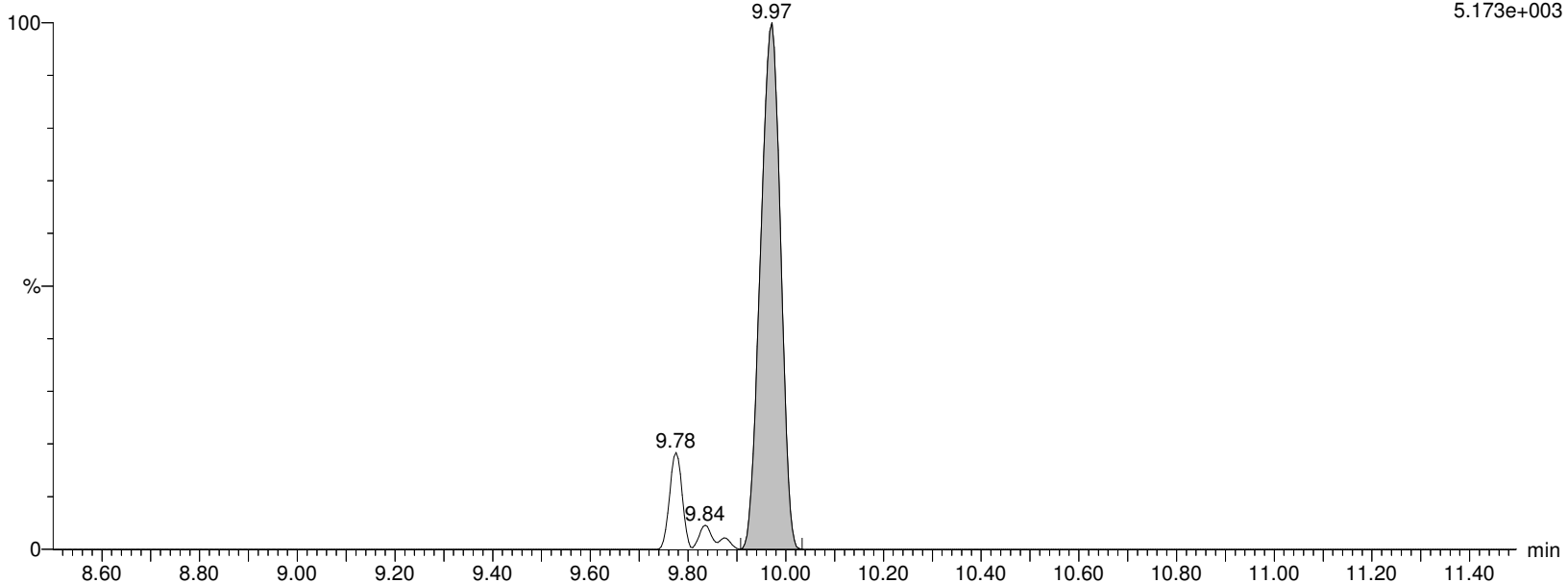
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

5.173e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

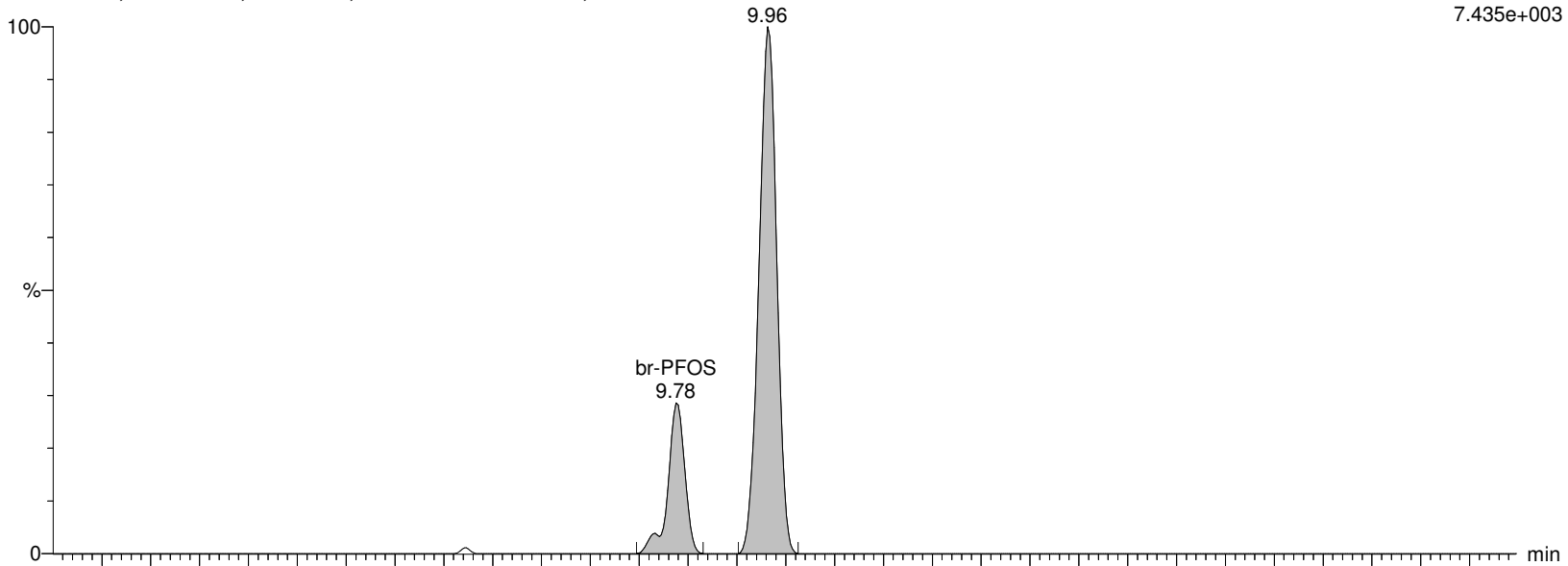
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.435e+003



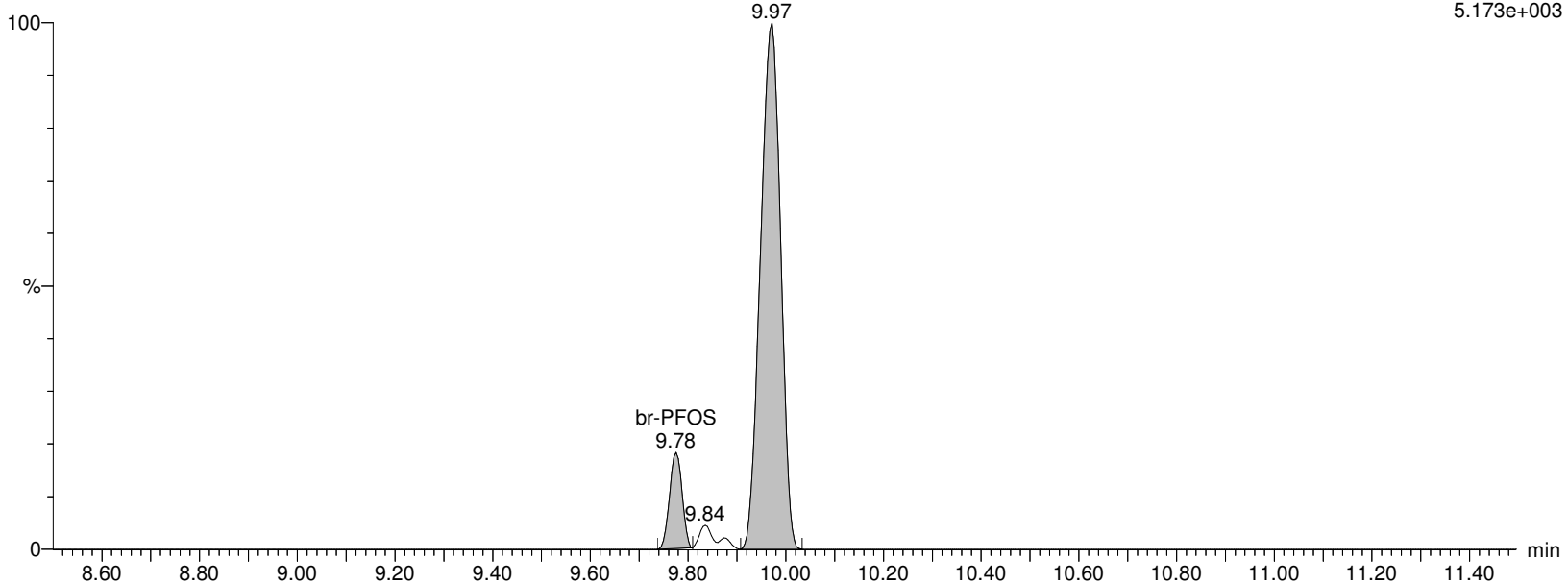
I18643 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 99.27

5.173e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

I18643 Smooth(Mn,2x3)

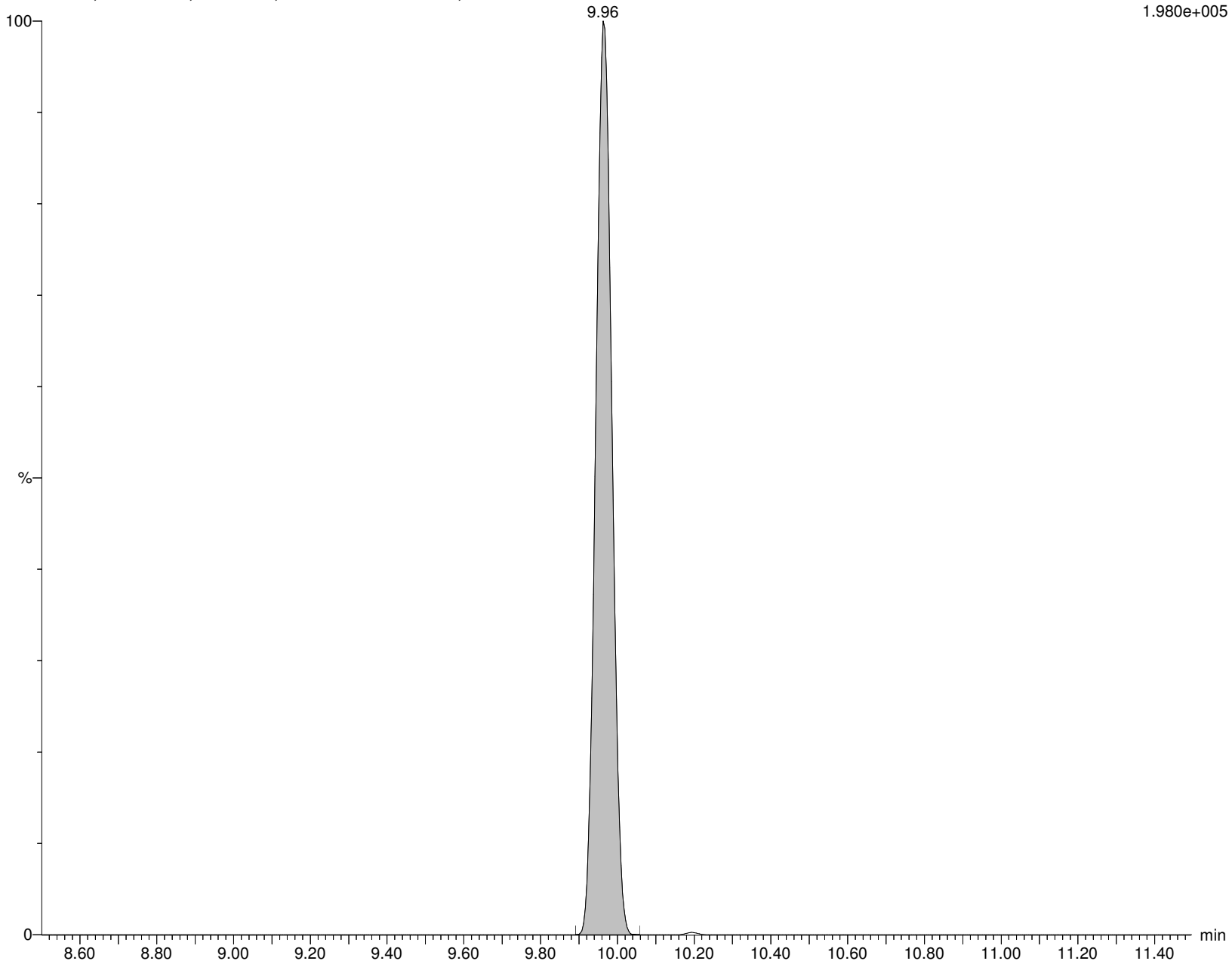
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M4PFOS

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.980e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

I18643 Smooth(Mn,2x3)

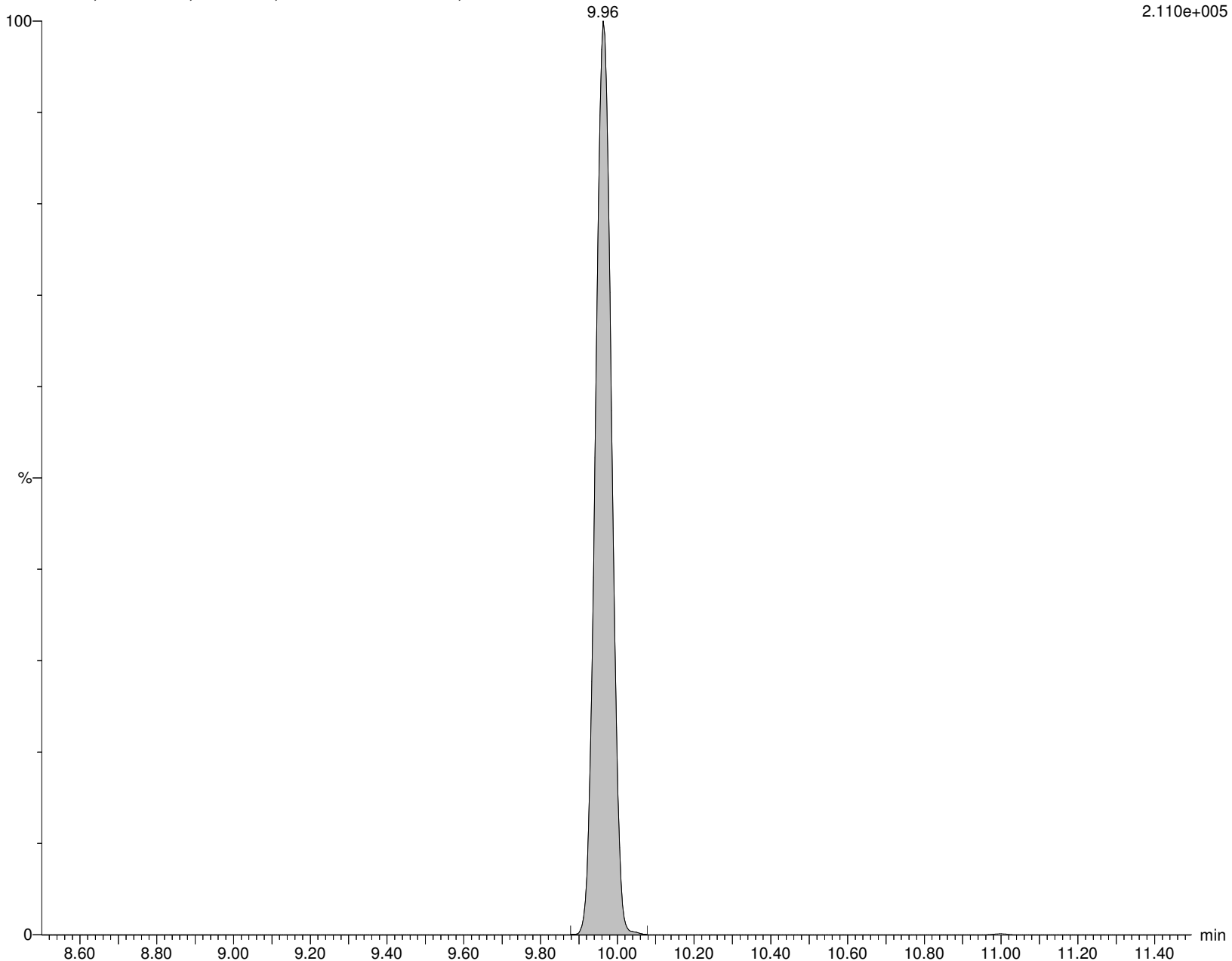
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M8PFOS

F32:MRM of 1 channel,ES-

507.053 > 80.294

2.110e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

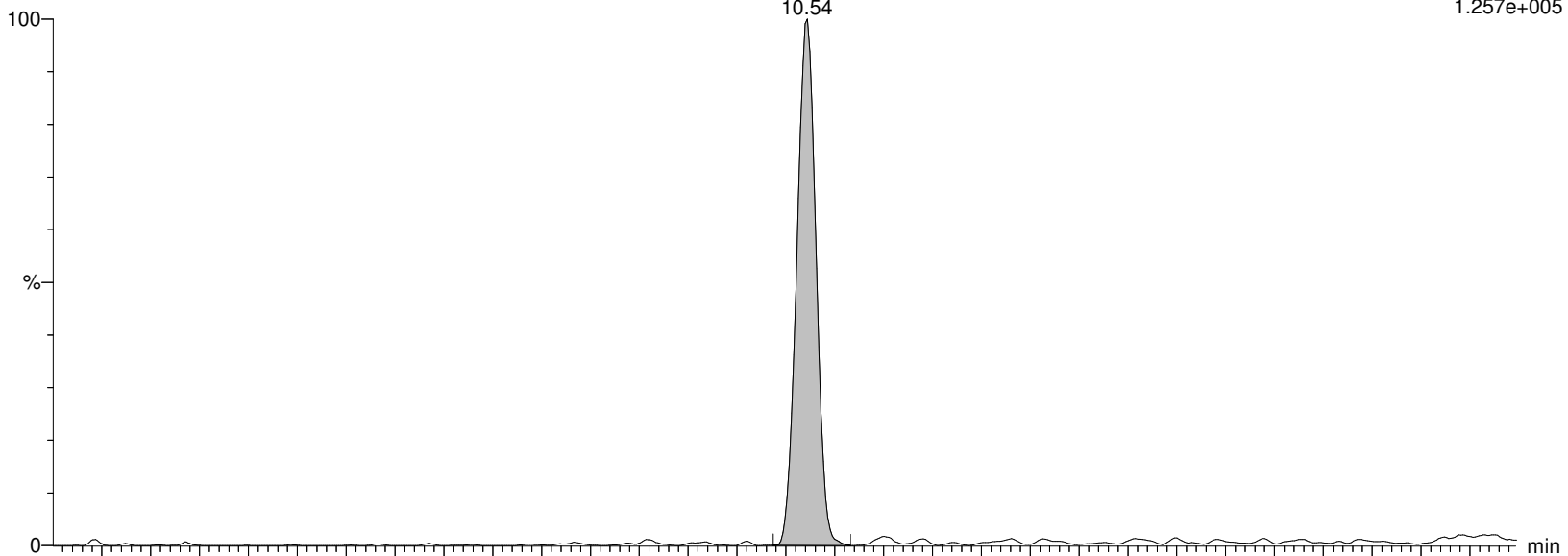
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F34:MRM of 2 channels, ES-

513.053 > 468.906

1.257e+005



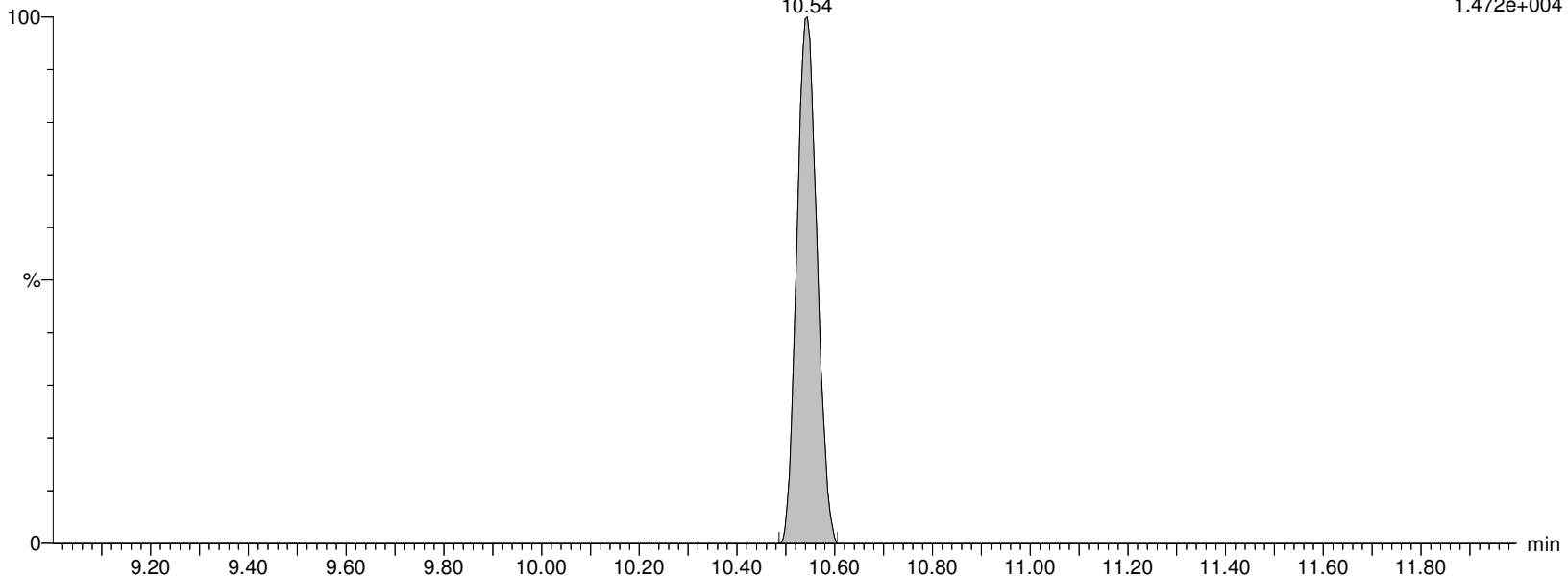
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F34:MRM of 2 channels, ES-

513.053 > 219.08

1.472e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

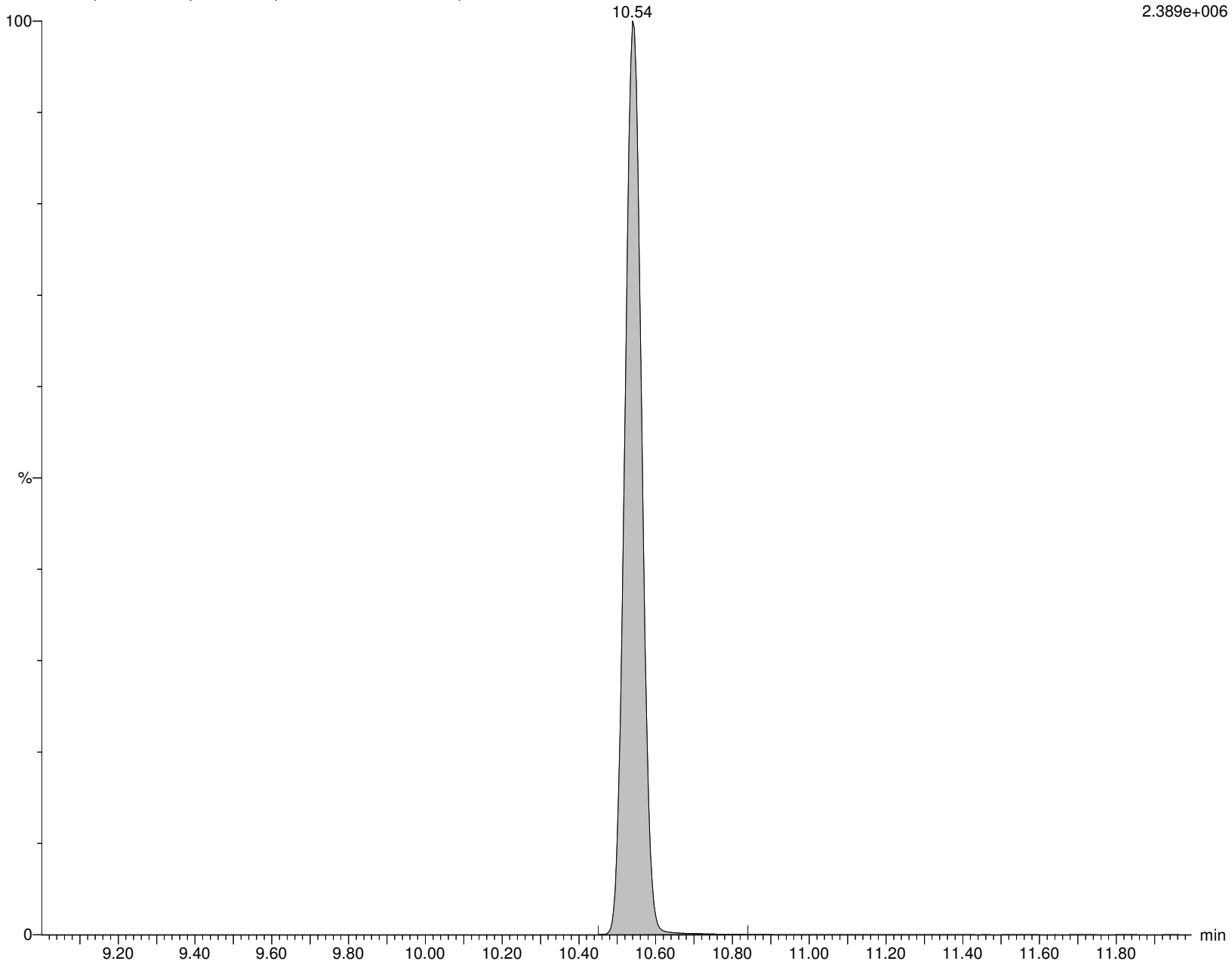
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.389e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M6PFDA

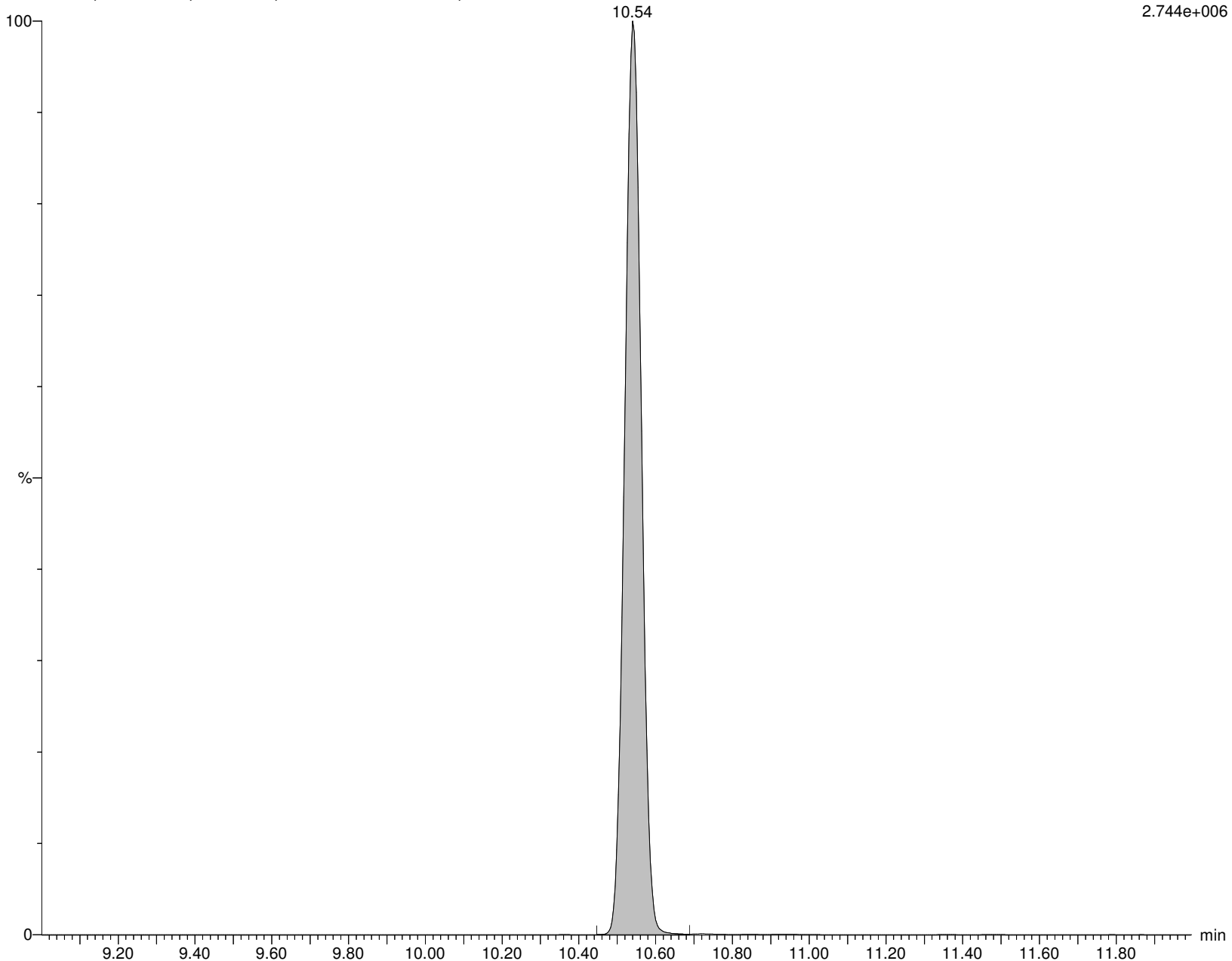
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.744e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

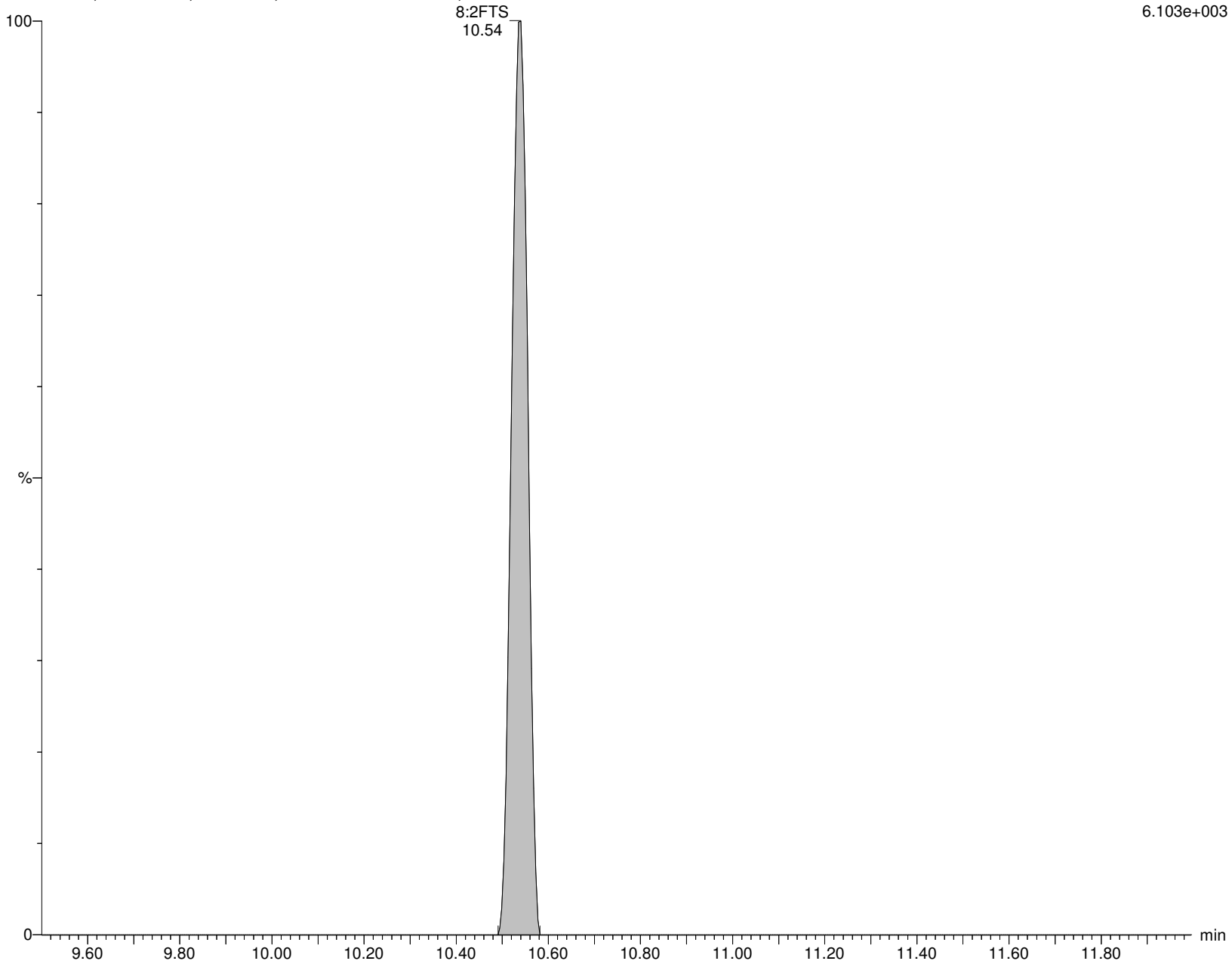
I18643 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F39:MRM of 2 channels,ES-

526.926 > 506.818

6.103e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

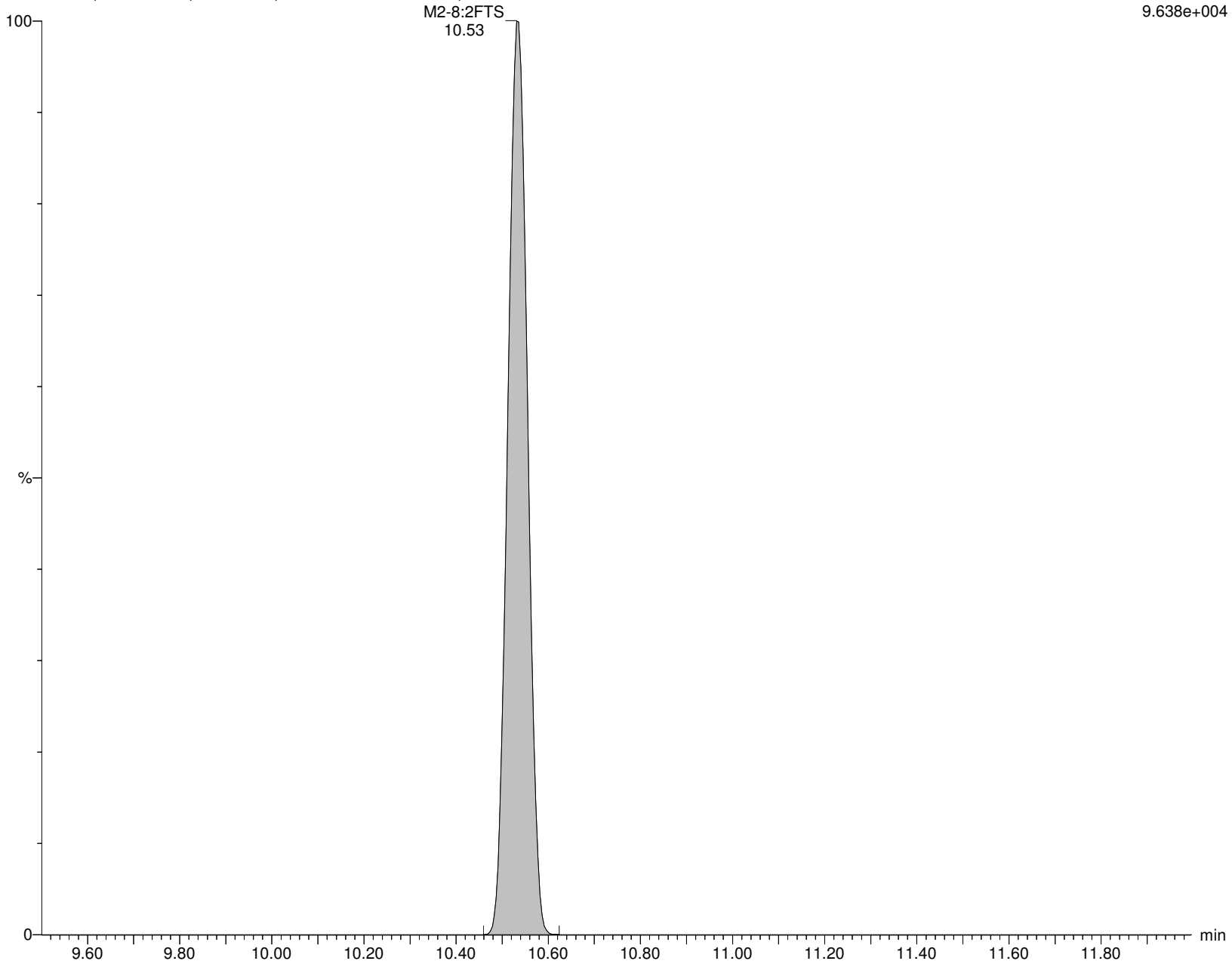
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F40:MRM of 2 channels, ES-

529.053 > 508.945

9.638e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

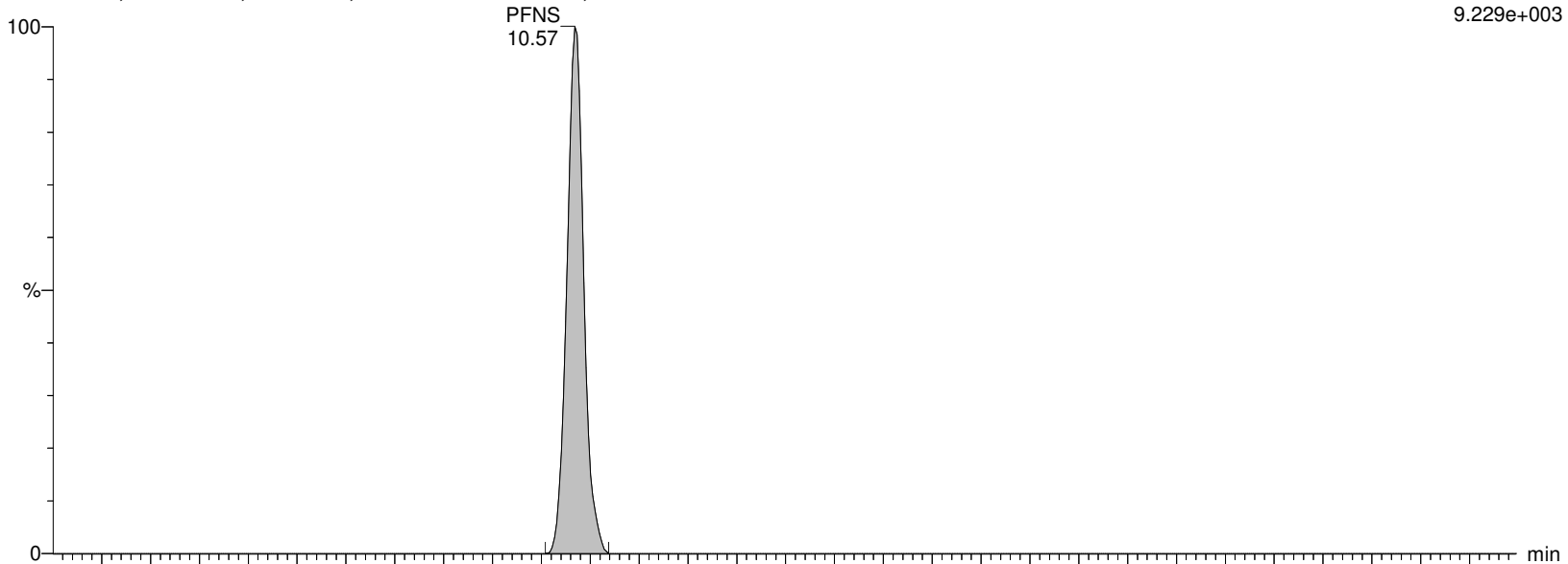
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F43:MRM of 2 channels, ES-

548.989 > 80.249

9.229e+003



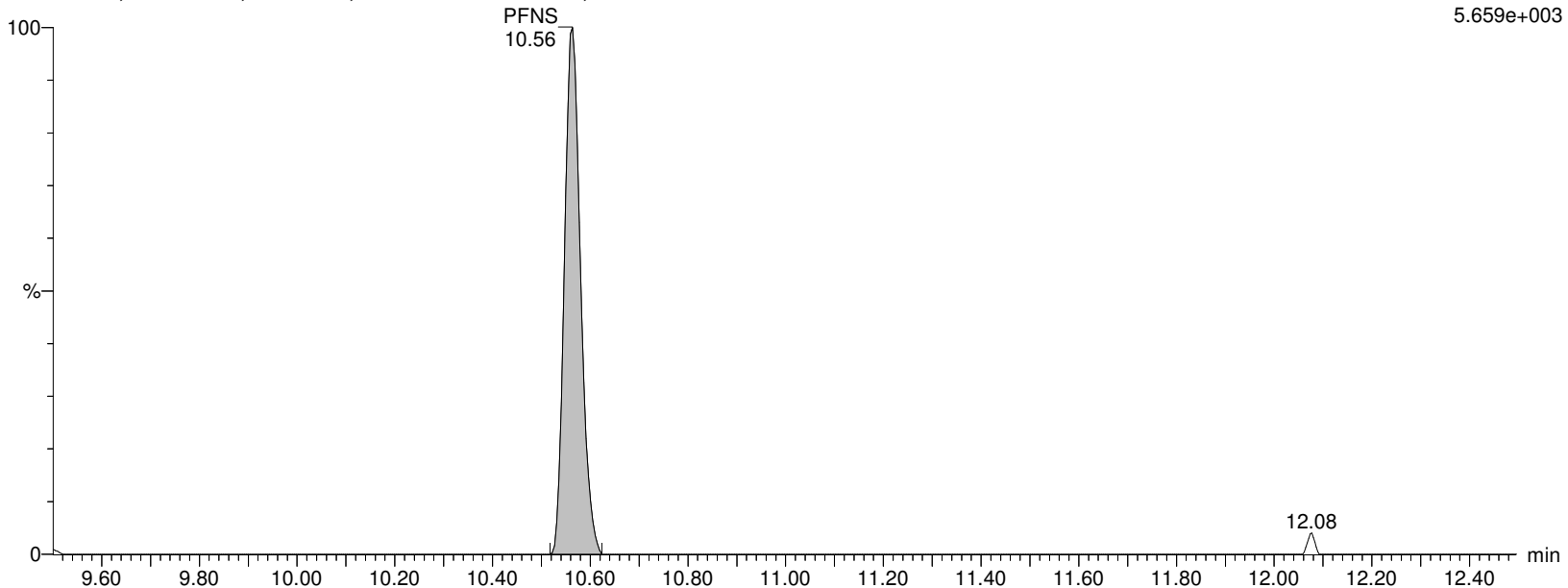
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F43:MRM of 2 channels, ES-

548.989 > 99.22

5.659e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d3-NMeFOSAA

I18643 Smooth(Mn,2x3)

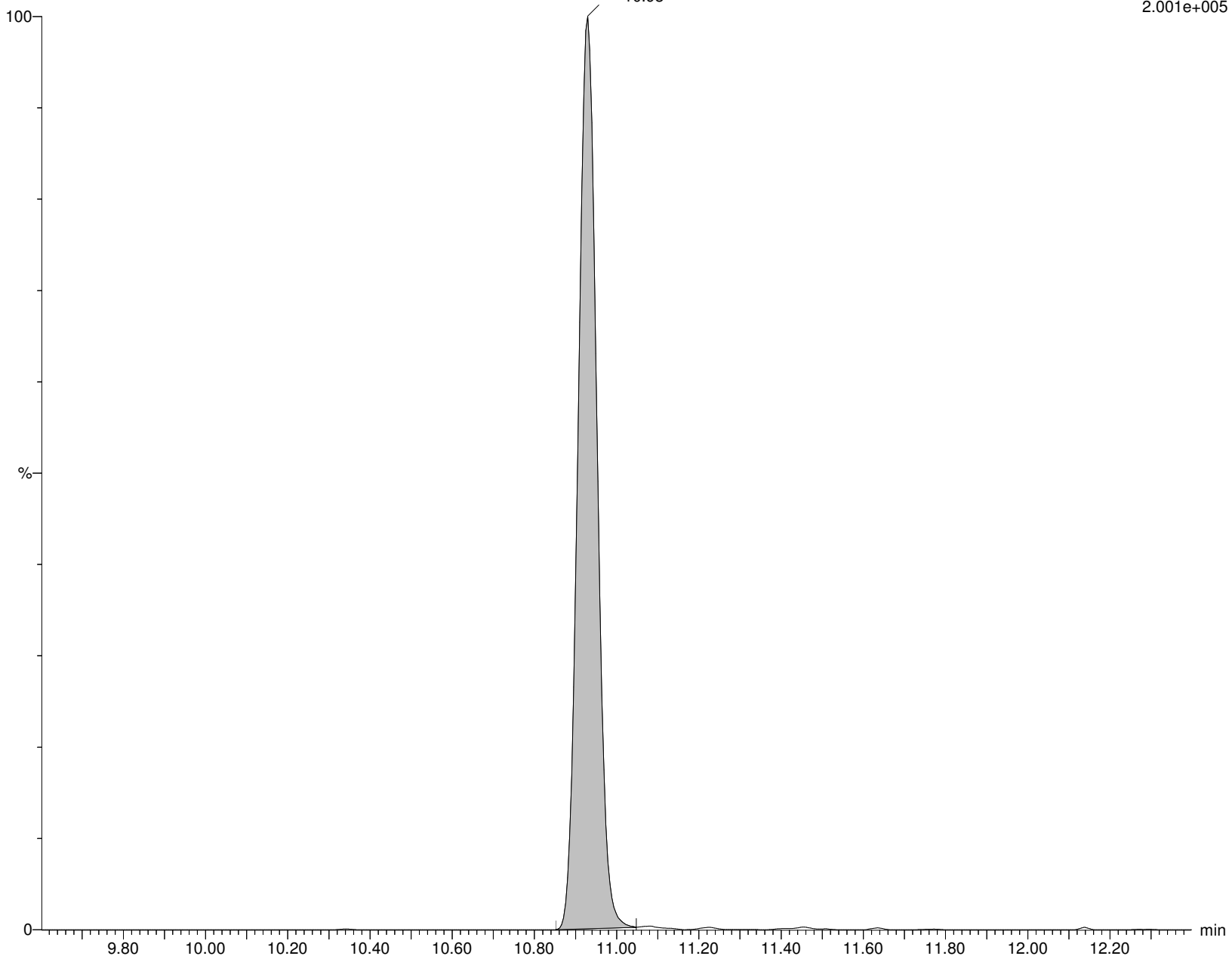
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

d3-NMeFOSAA
10.93

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.001e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

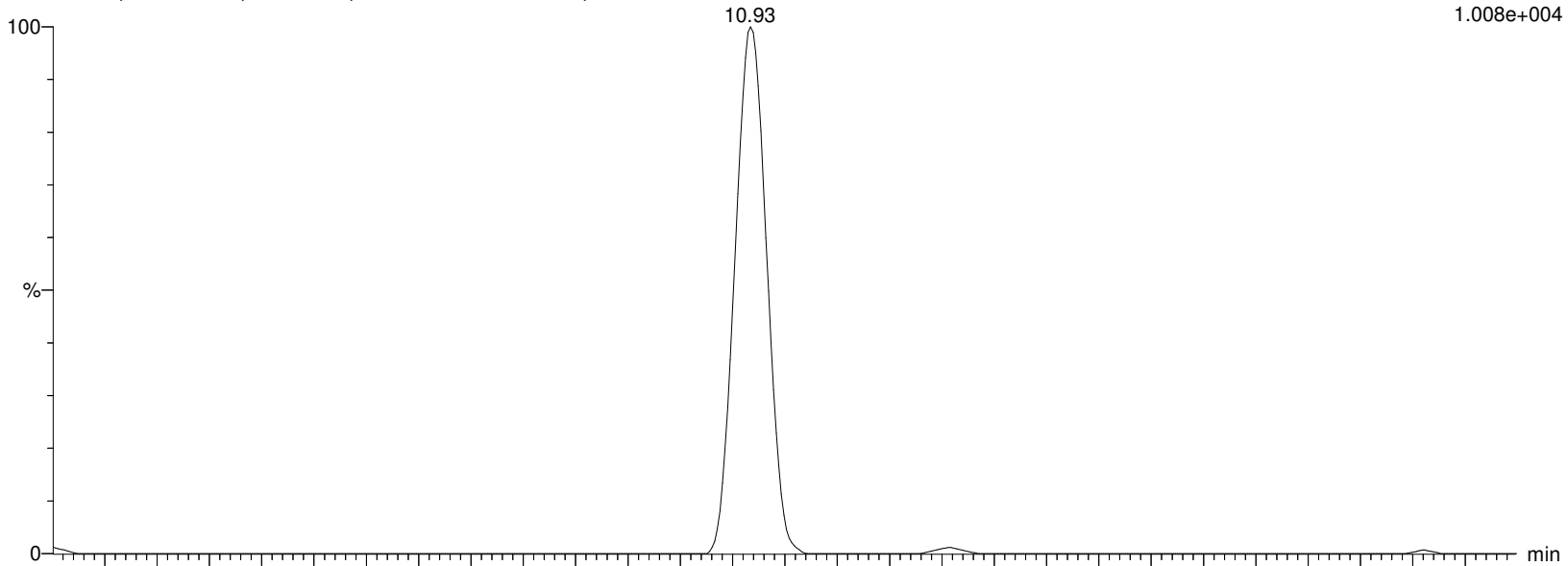
I18643 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.008e+004



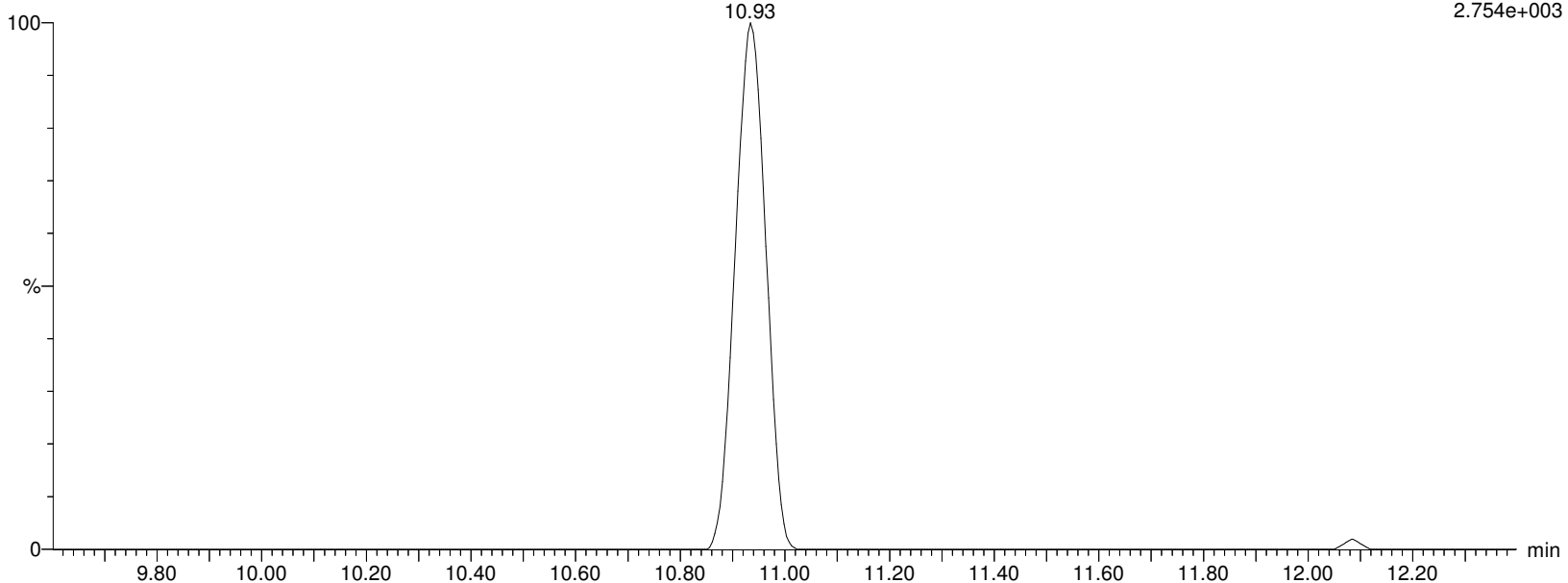
I18643 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F45:MRM of 2 channels, ES-

569.862 > 482.77

2.754e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

I18643 Smooth(Mn,2x5)

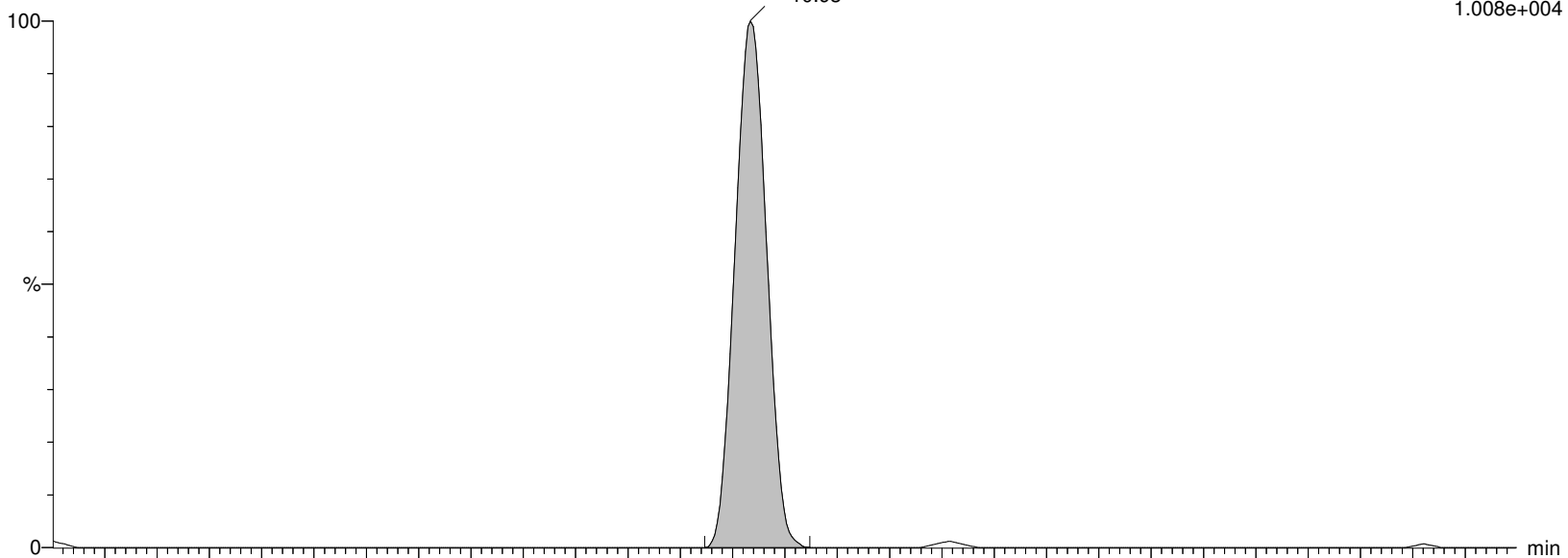
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-NMeFOSAA
10.93

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.008e+004



I18643 Smooth(Mn,2x5)

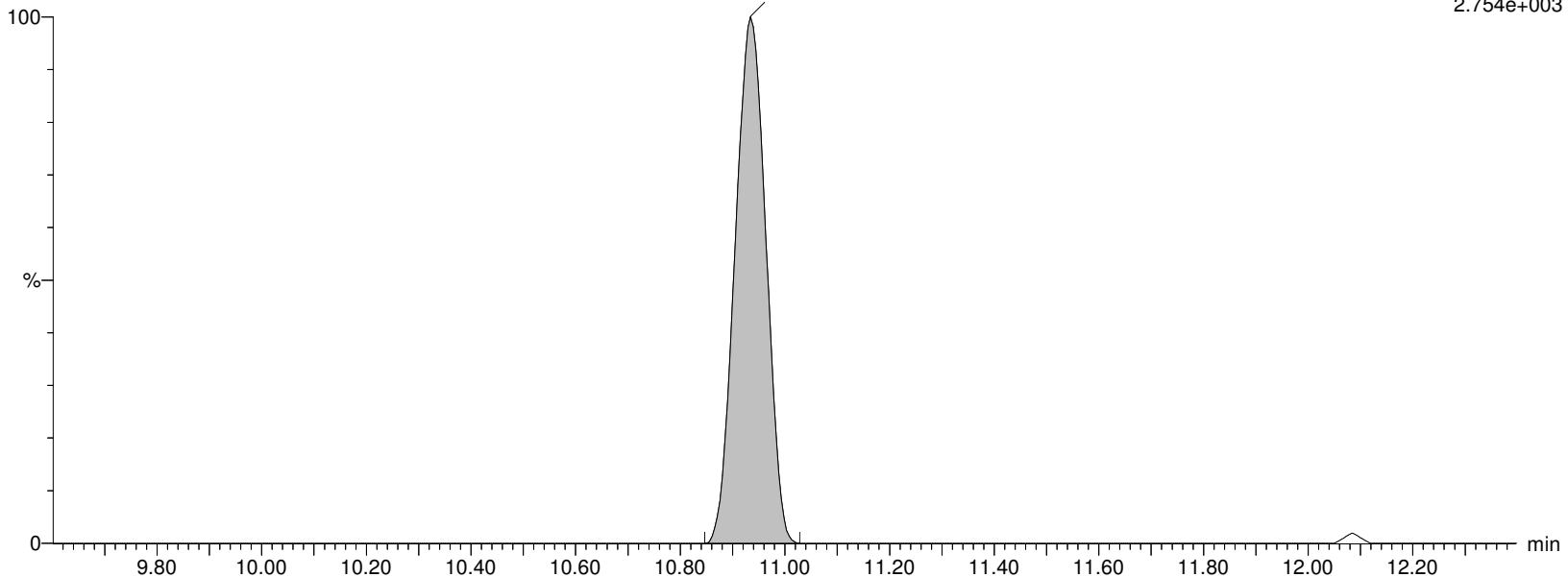
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-NMeFOSAA
10.93

F45:MRM of 2 channels, ES-

569.862 > 482.77

2.754e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

I18643 Smooth(Mn,2x5)

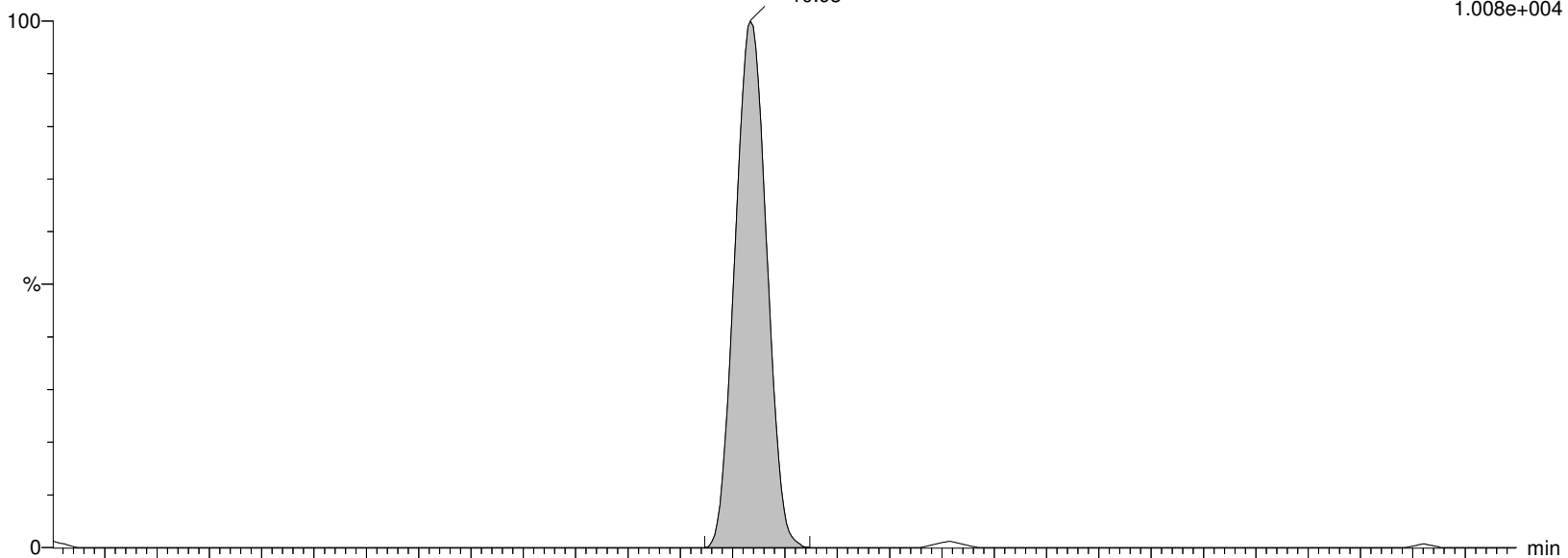
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-NMeFOSAA
10.93

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.008e+004



I18643 Smooth(Mn,2x5)

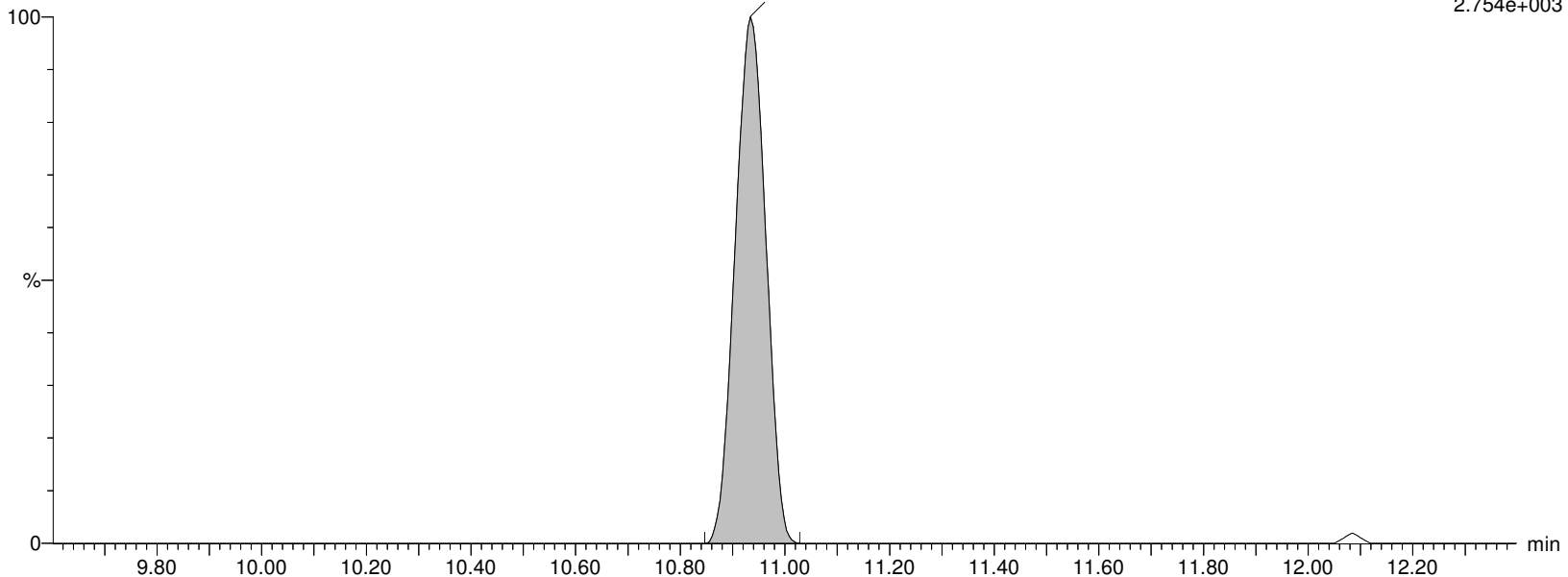
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

L-NMeFOSAA
10.93

F45:MRM of 2 channels, ES-

569.862 > 482.77

2.754e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

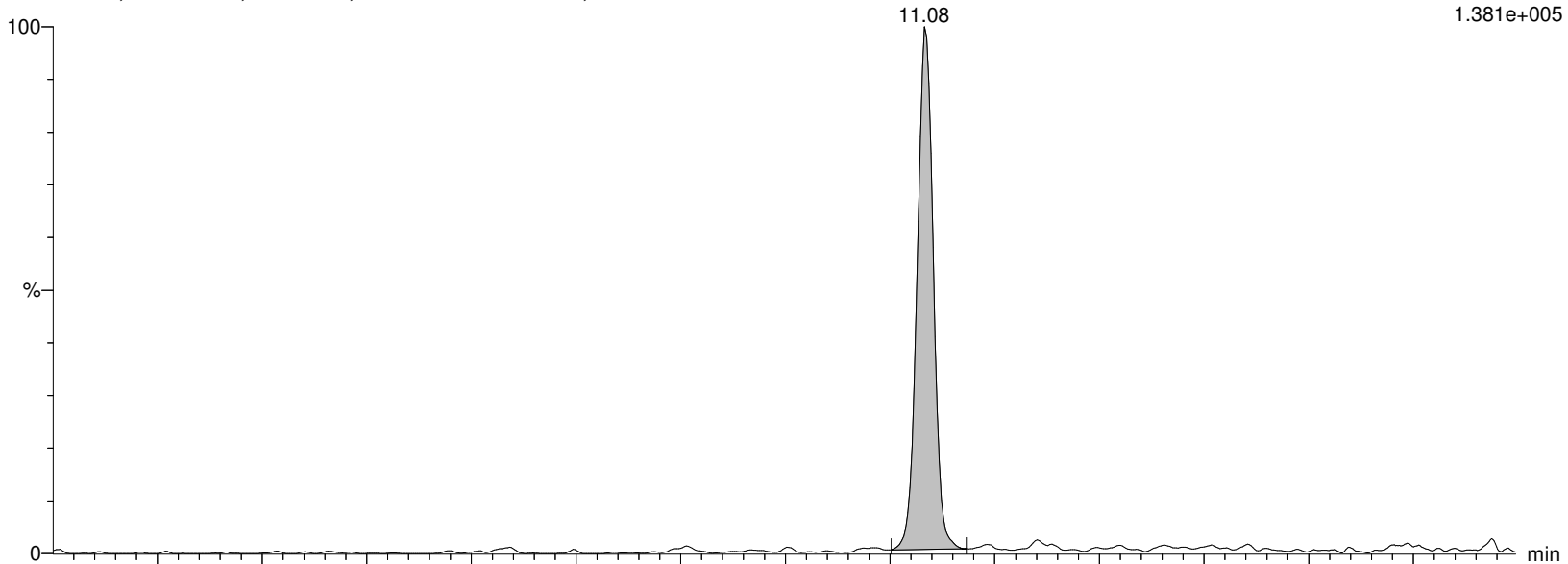
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 518.903

1.381e+005



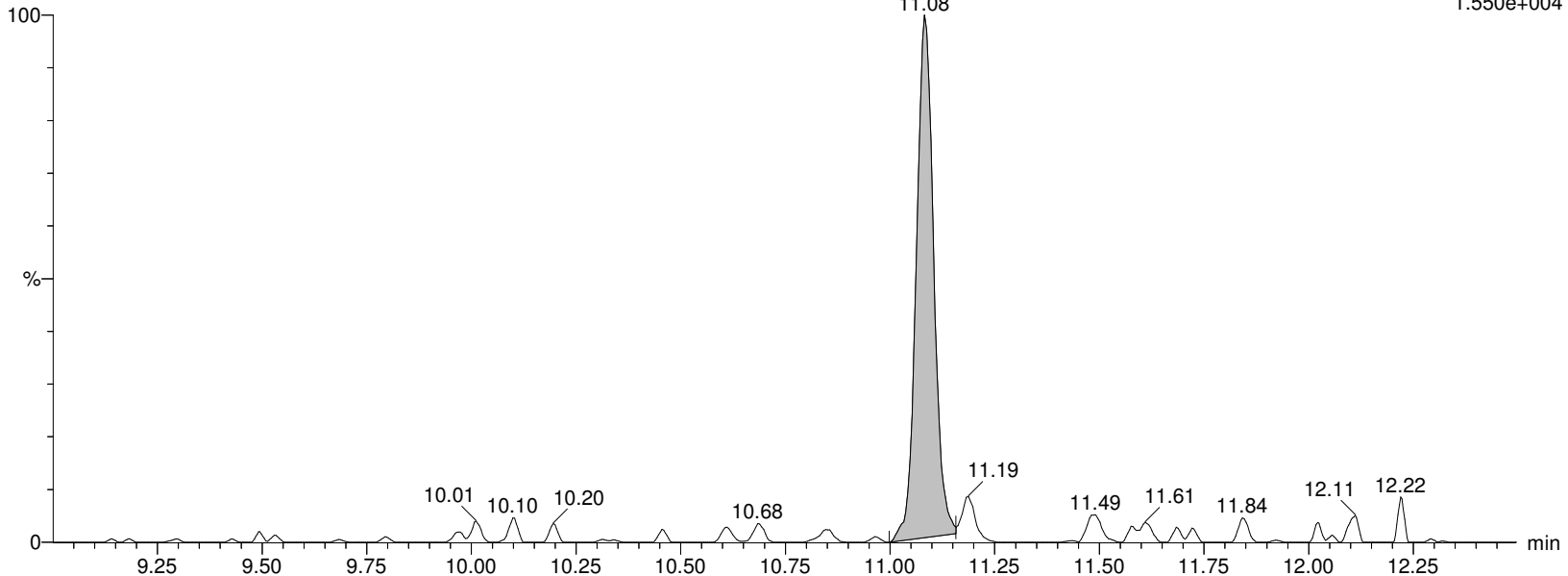
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.550e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

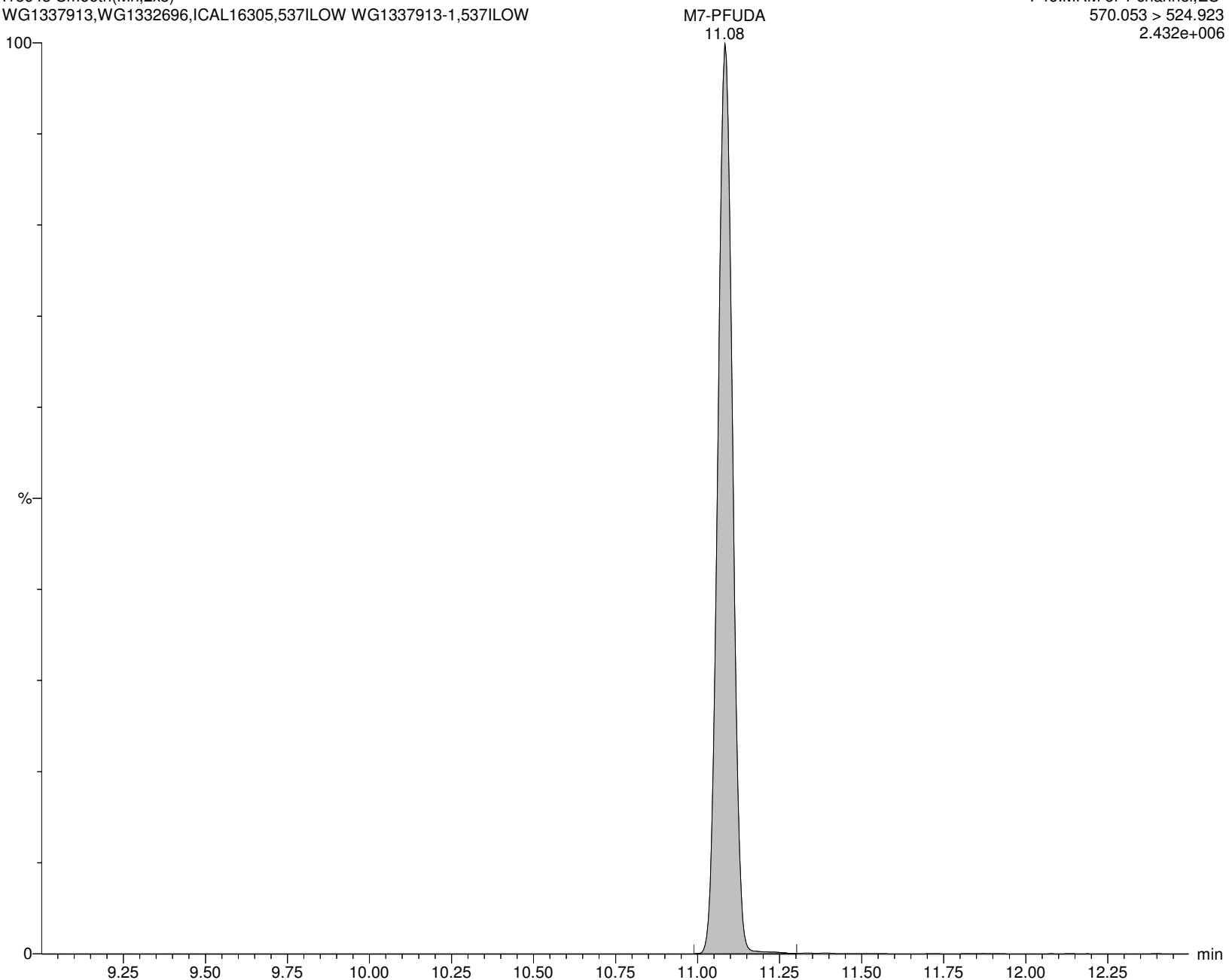
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F46:MRM of 1 channel,ES-

570.053 > 524.923

2.432e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

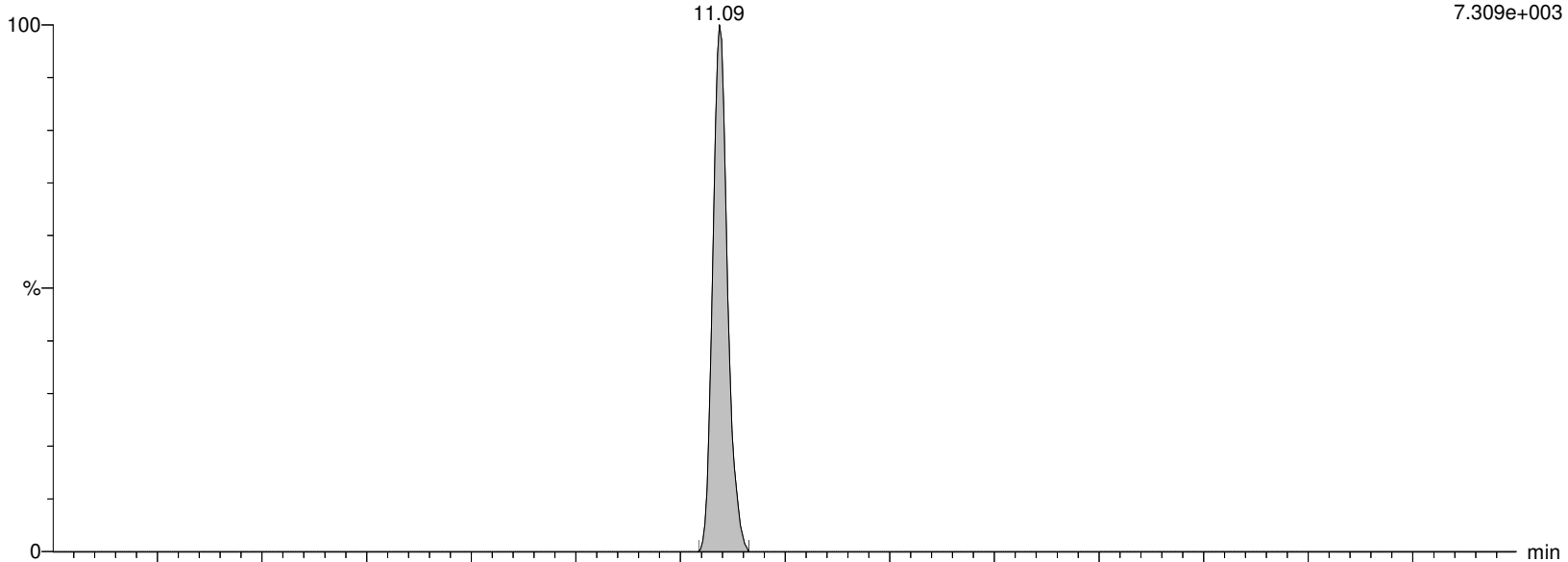
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW PFDS

F50:MRM of 2 channels, ES-

598.926 > 80.314

7.309e+003



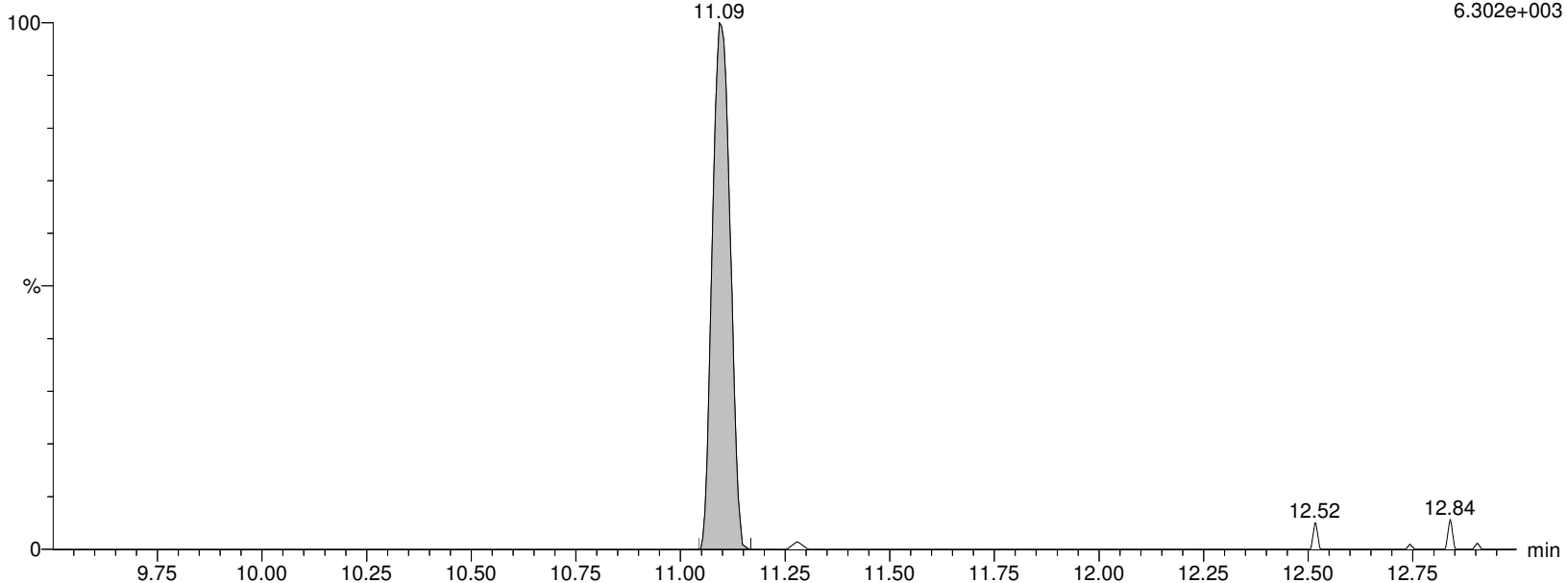
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW PFDS

F50:MRM of 2 channels, ES-

598.926 > 99.22

6.302e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

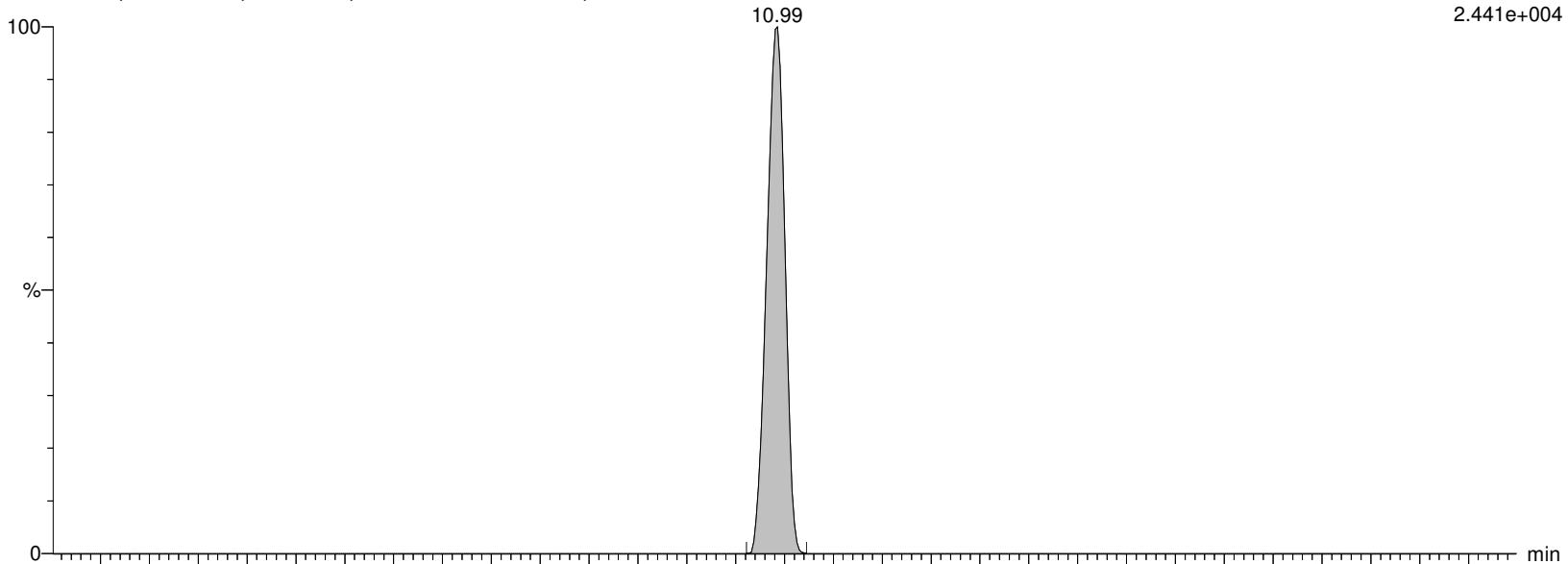
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F28:MRM of 2 channels, ES-

497.989 > 78.245

2.441e+004



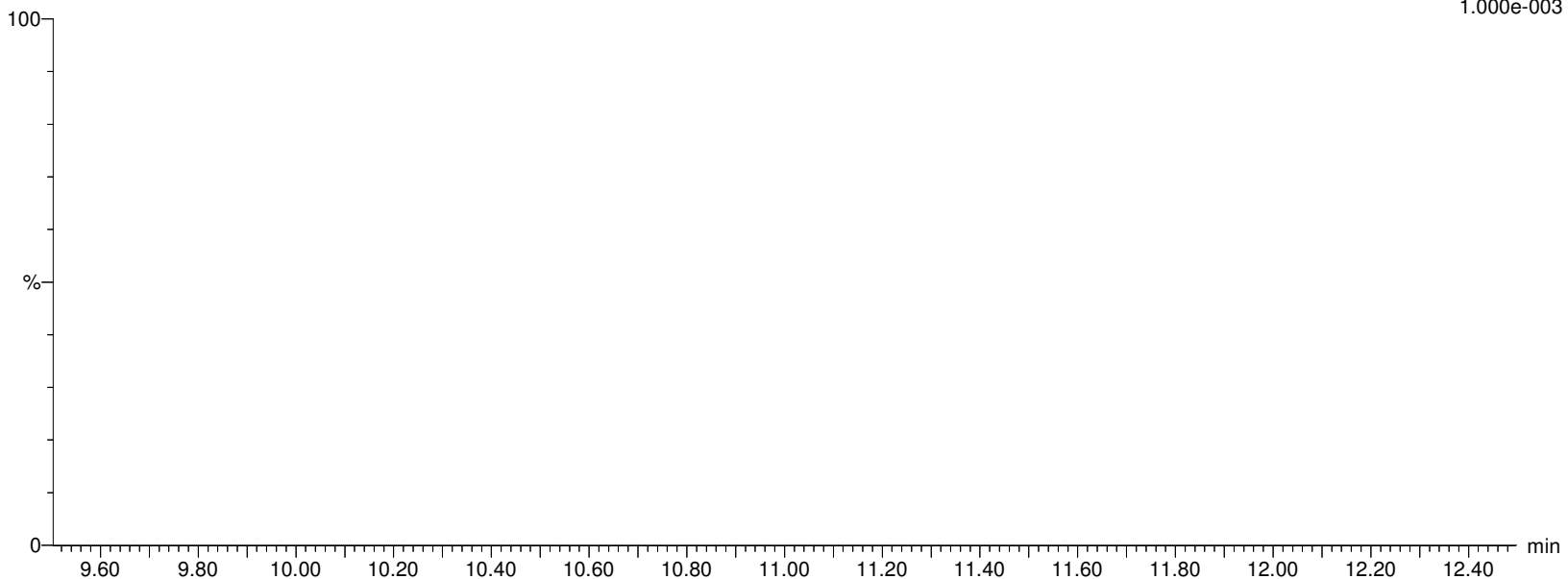
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F28:MRM of 2 channels, ES-

497.989 > 168.854

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

I18643 Smooth(Mn,2x3)

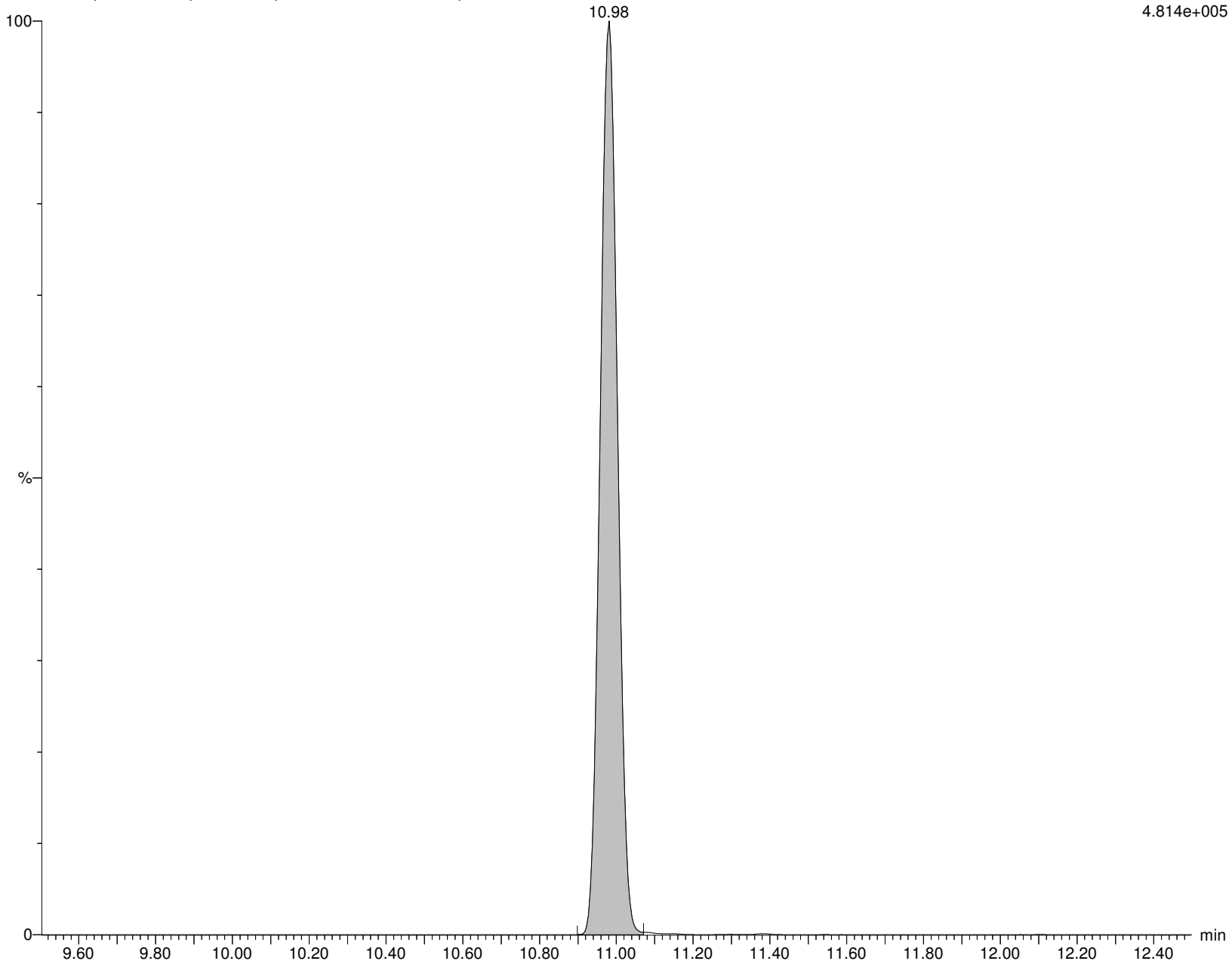
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

M8FOSA

F31:MRM of 1 channel, ES-

506.053 > 78.286

4.814e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

d5-NEtFOSAA

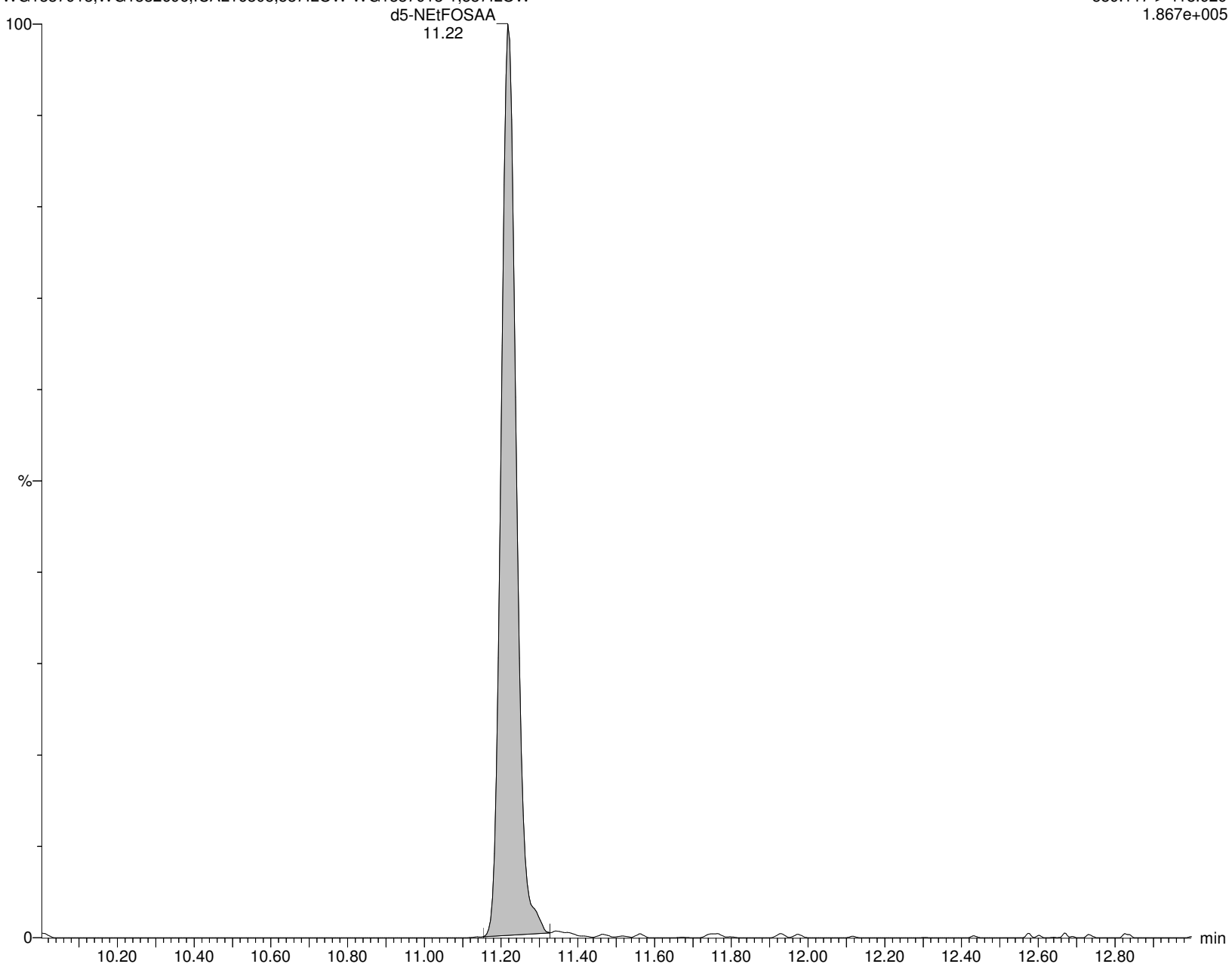
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F49:MRM of 1 channel, ES-

589.117 > 418.929

1.867e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

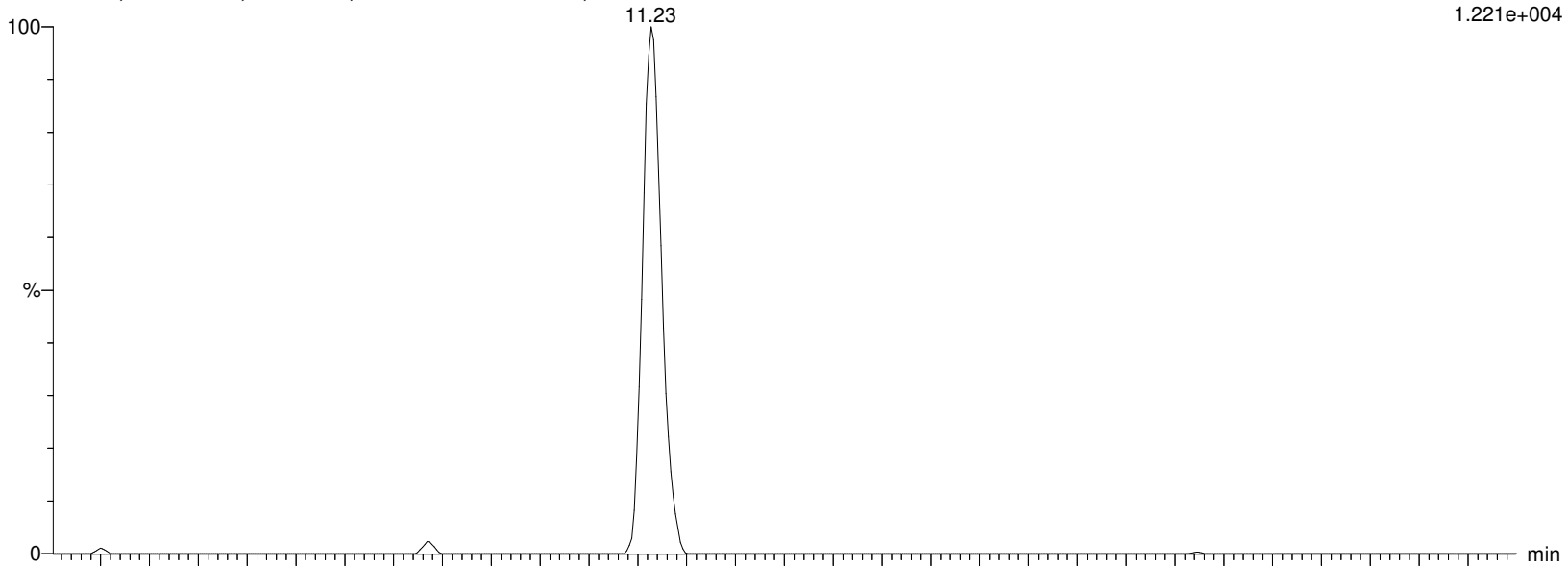
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.221e+004



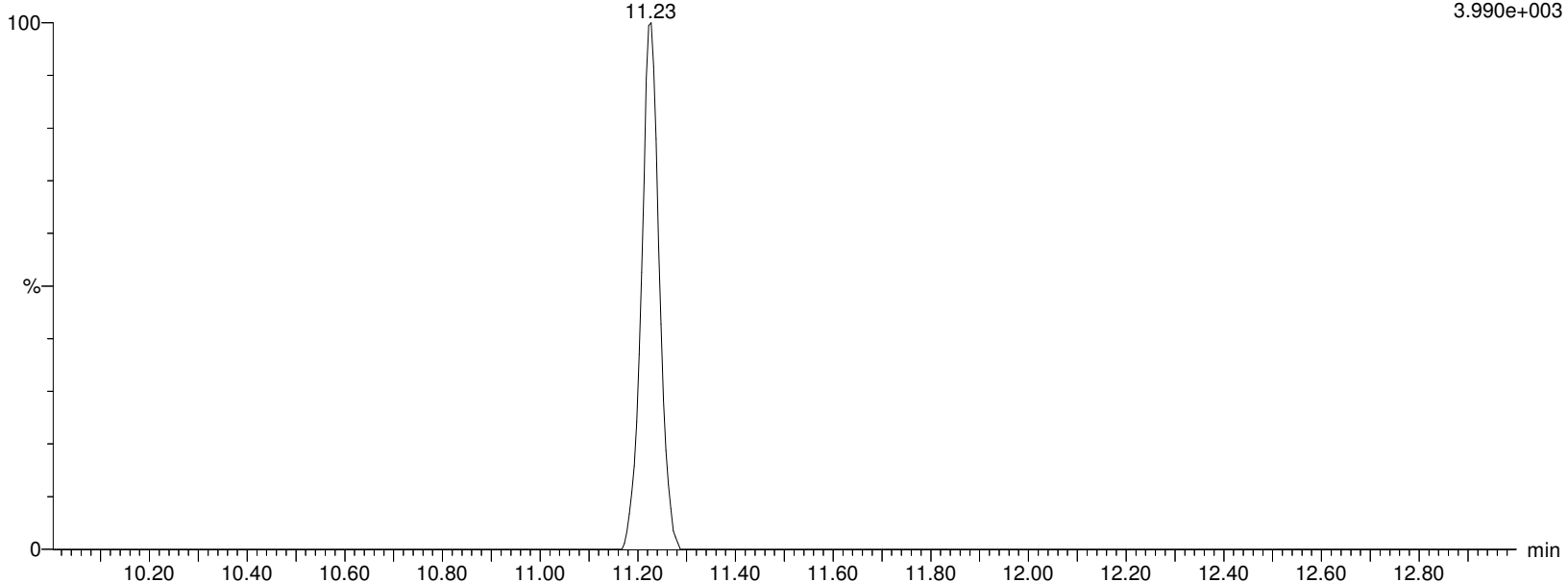
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.990e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

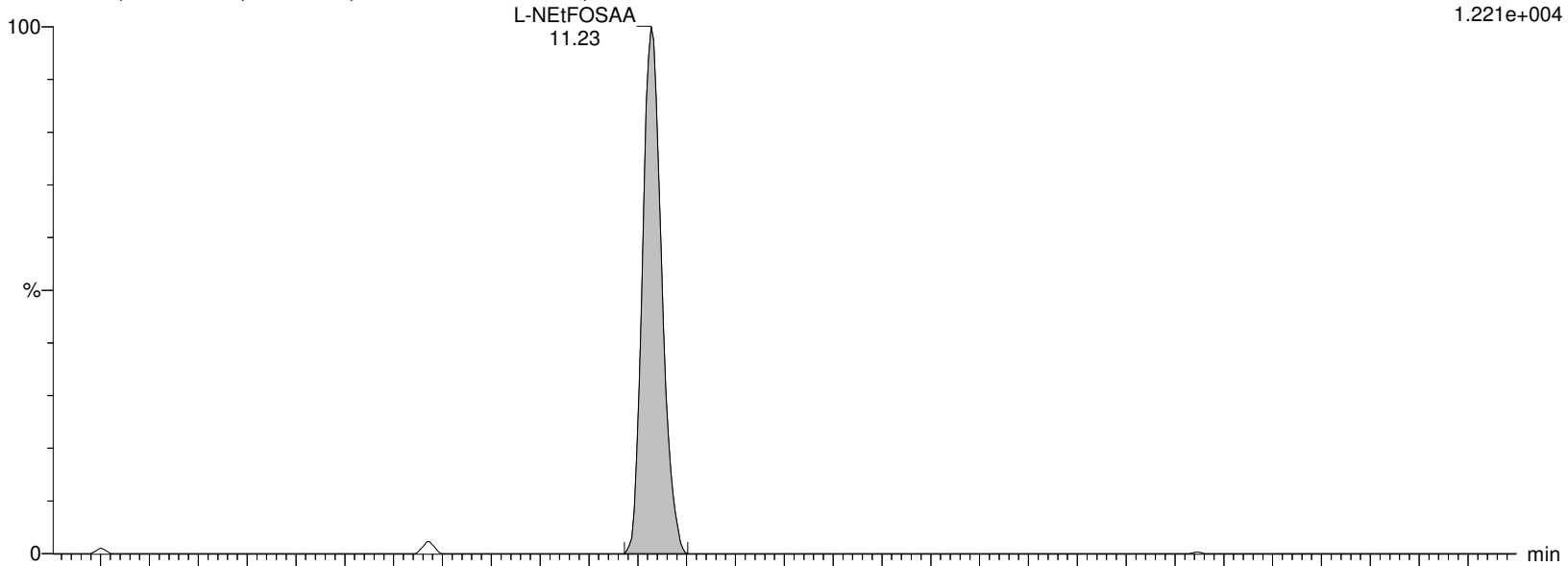
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.221e+004



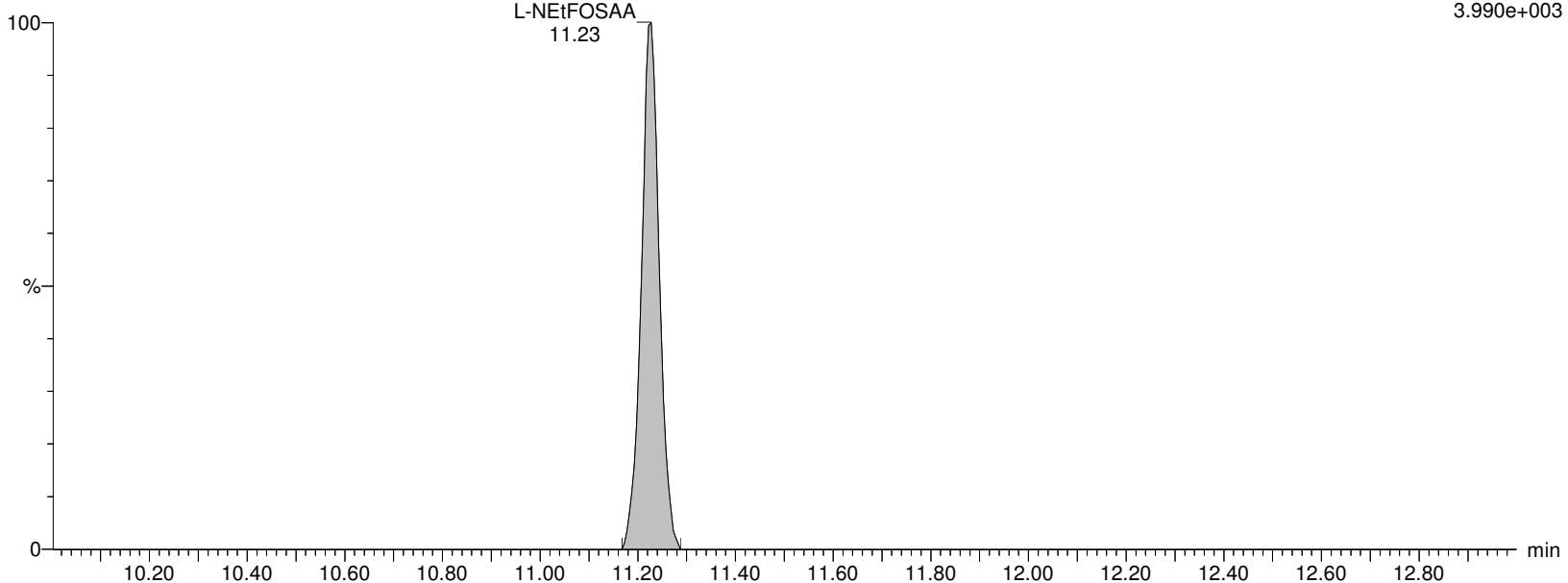
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.990e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

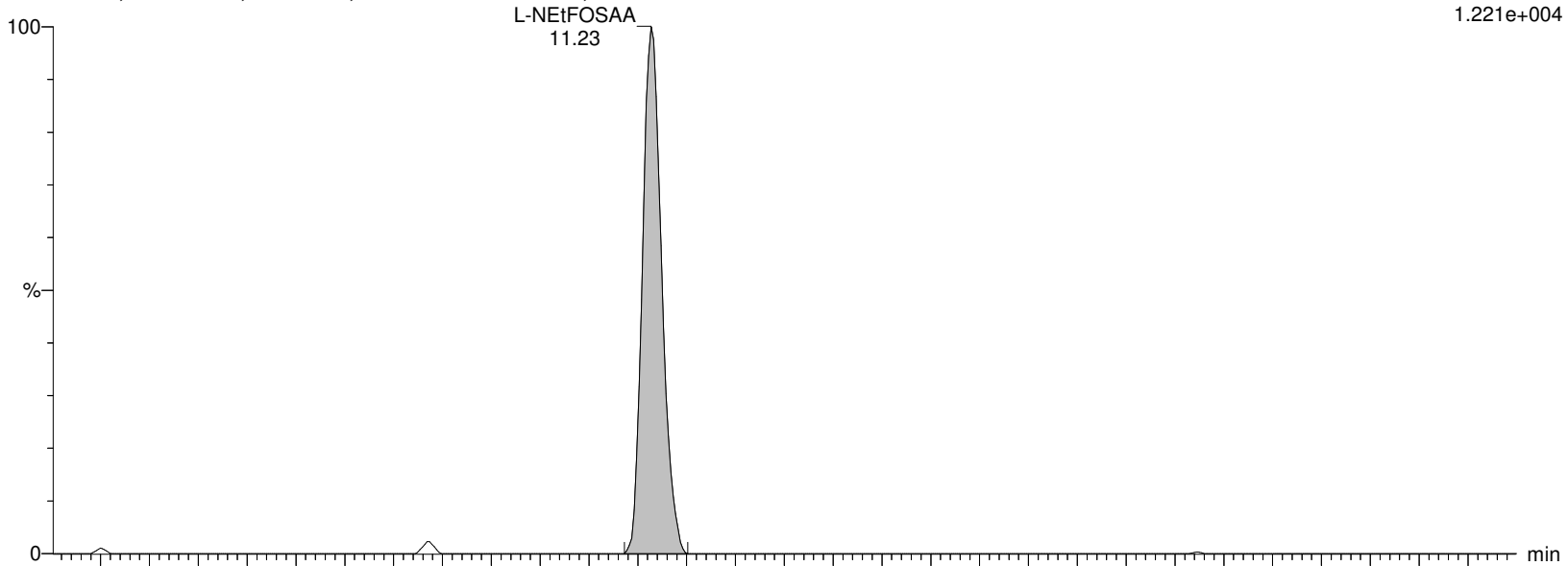
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.221e+004



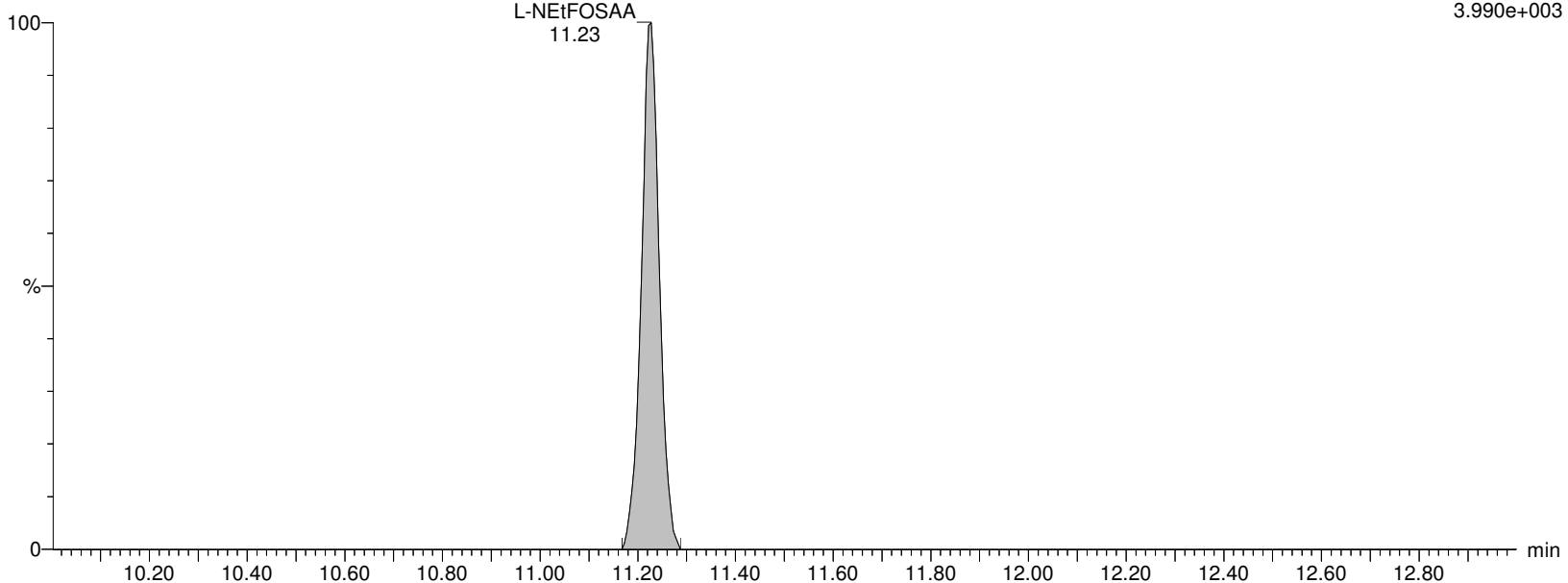
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.990e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

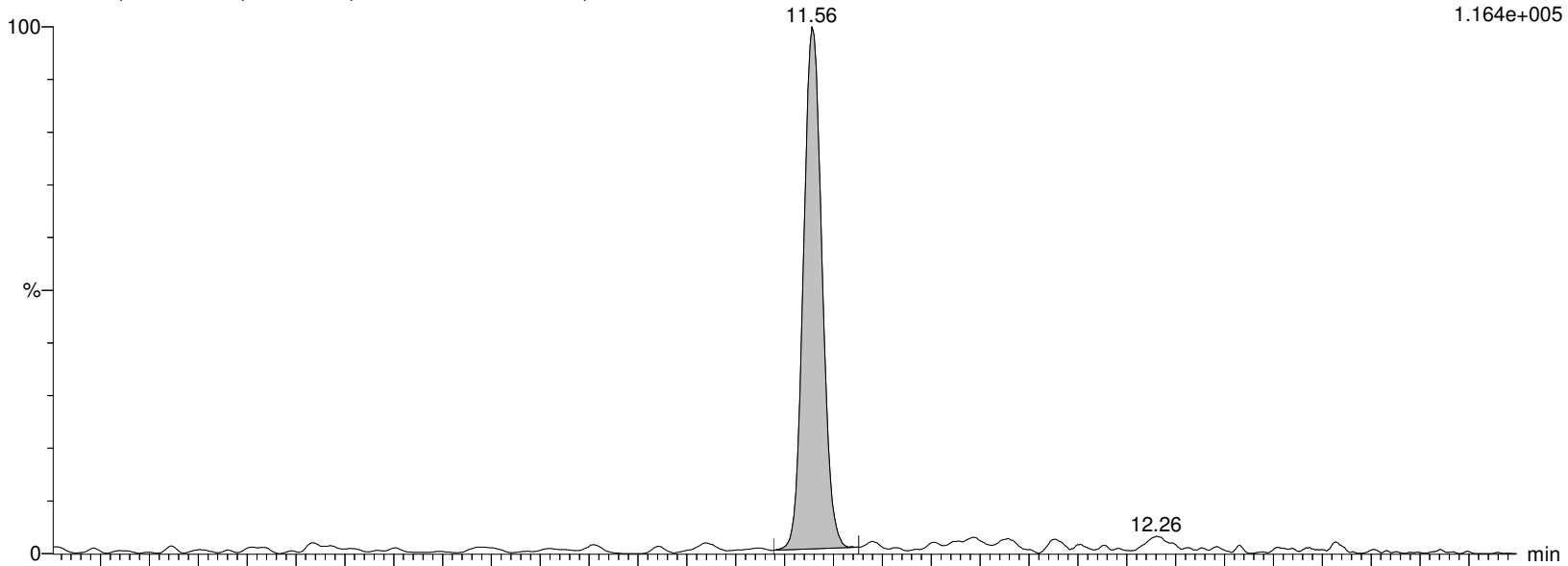
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 568.967

1.164e+005



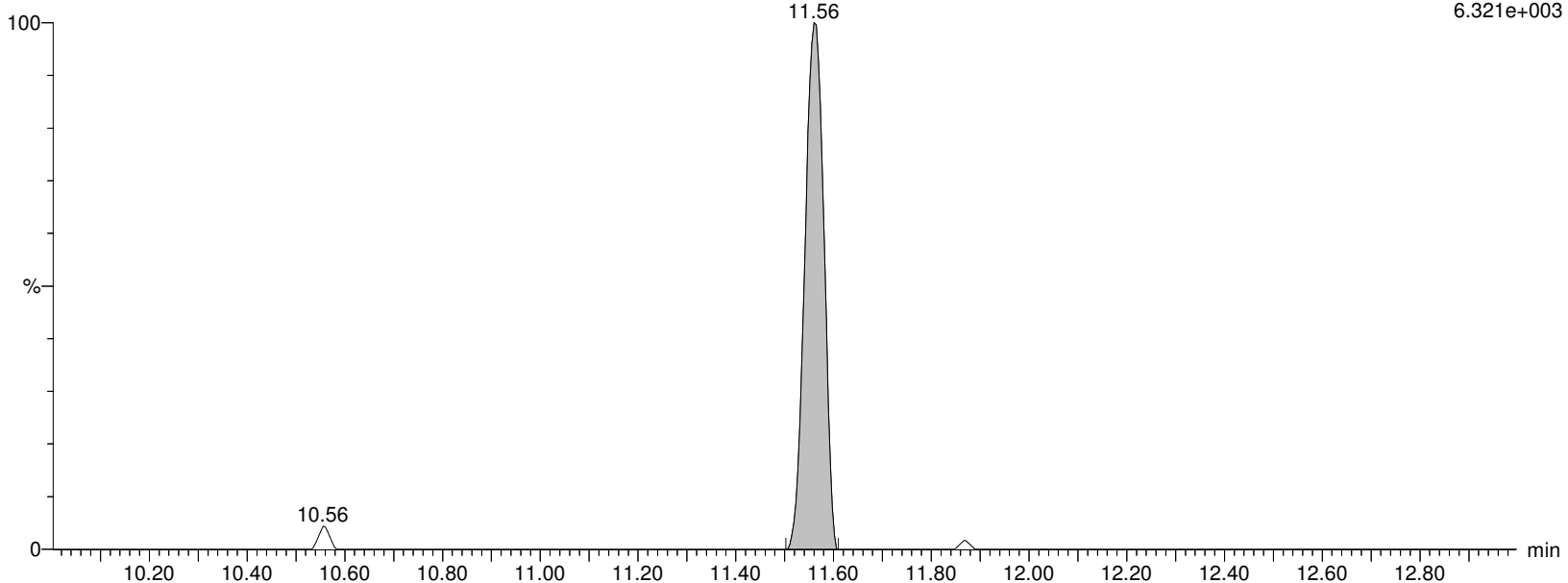
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 219.08

6.321e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

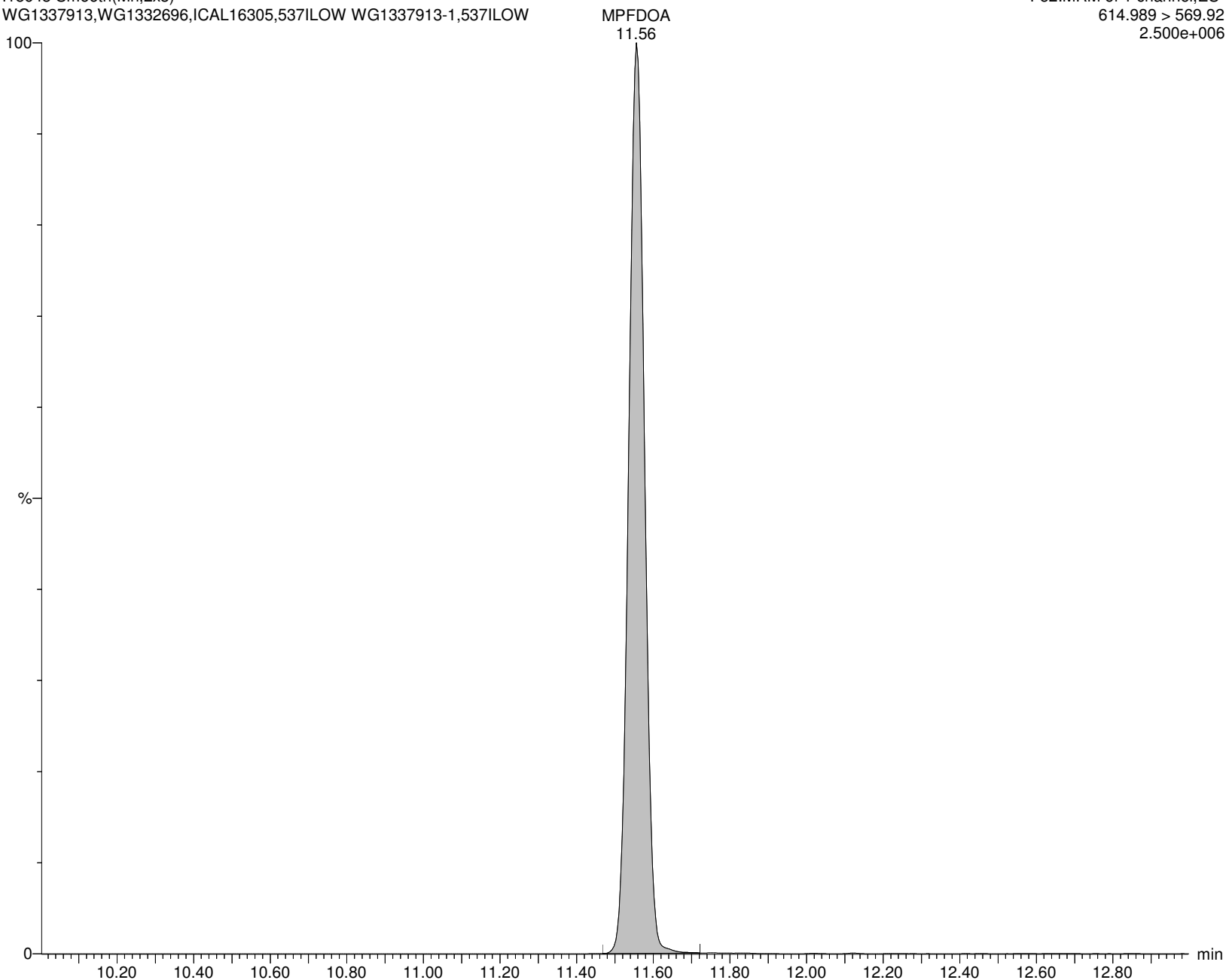
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.500e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

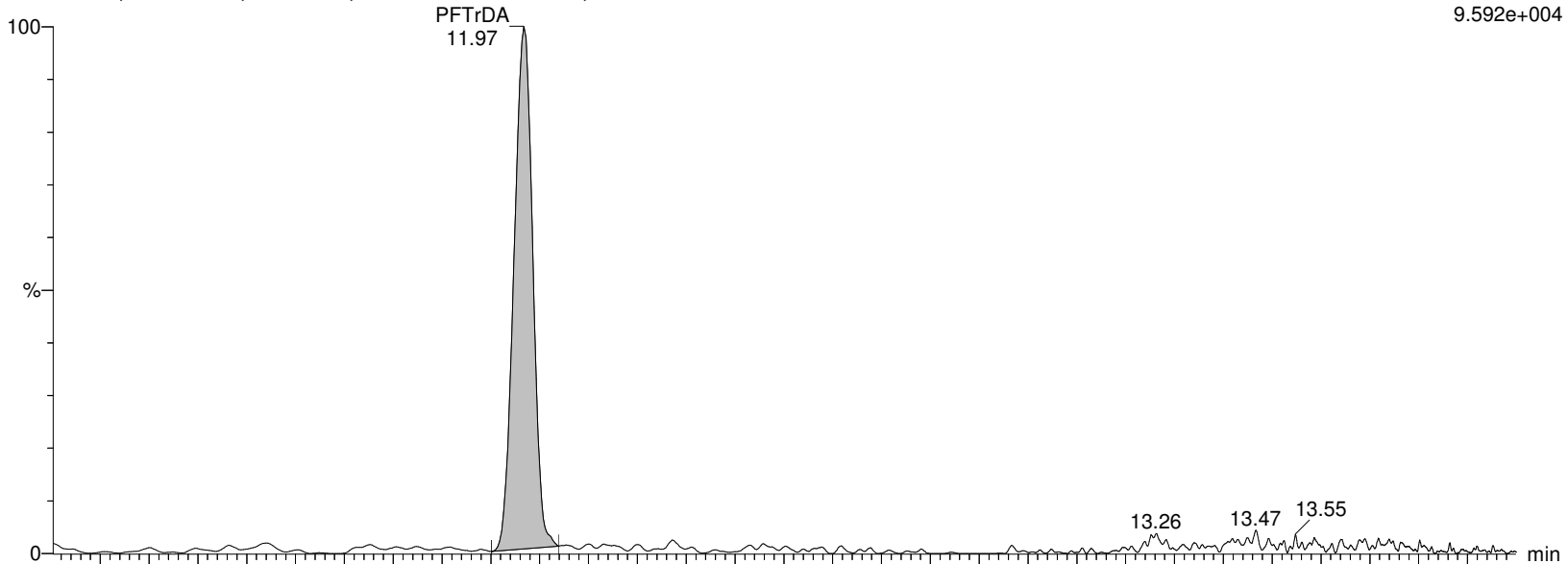
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F59:MRM of 2 channels, ES-

663.053 > 618.969

9.592e+004



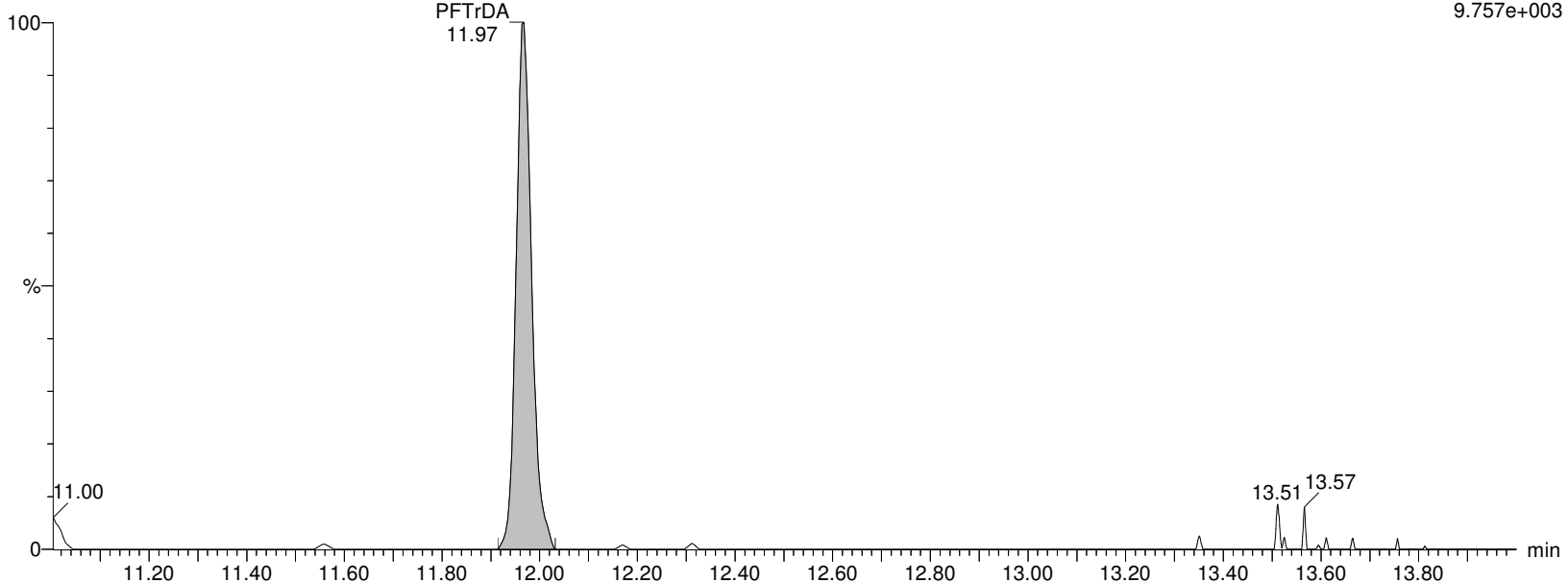
I18643 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F59:MRM of 2 channels, ES-

663.053 > 319.02

9.757e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

I18643 Smooth(Mn,2x3)

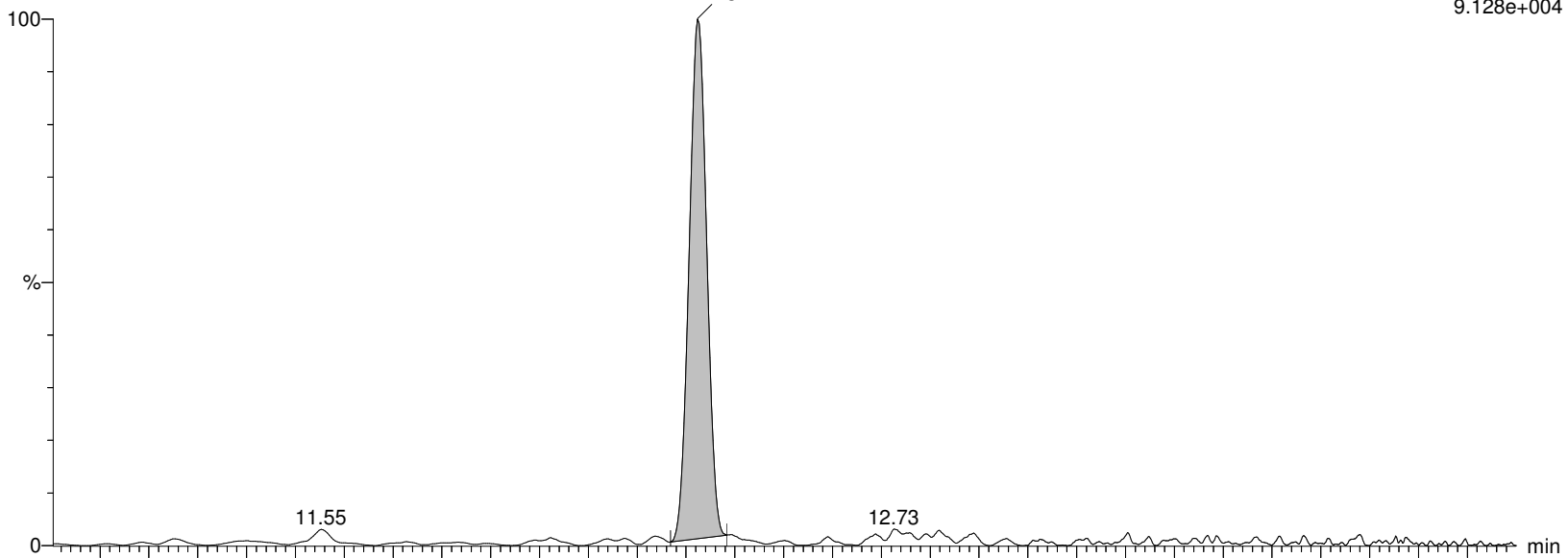
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

PFTA
12.32

F61:MRM of 2 channels, ES-

713.053 > 668.976

9.128e+004



I18643 Smooth(Mn,2x3)

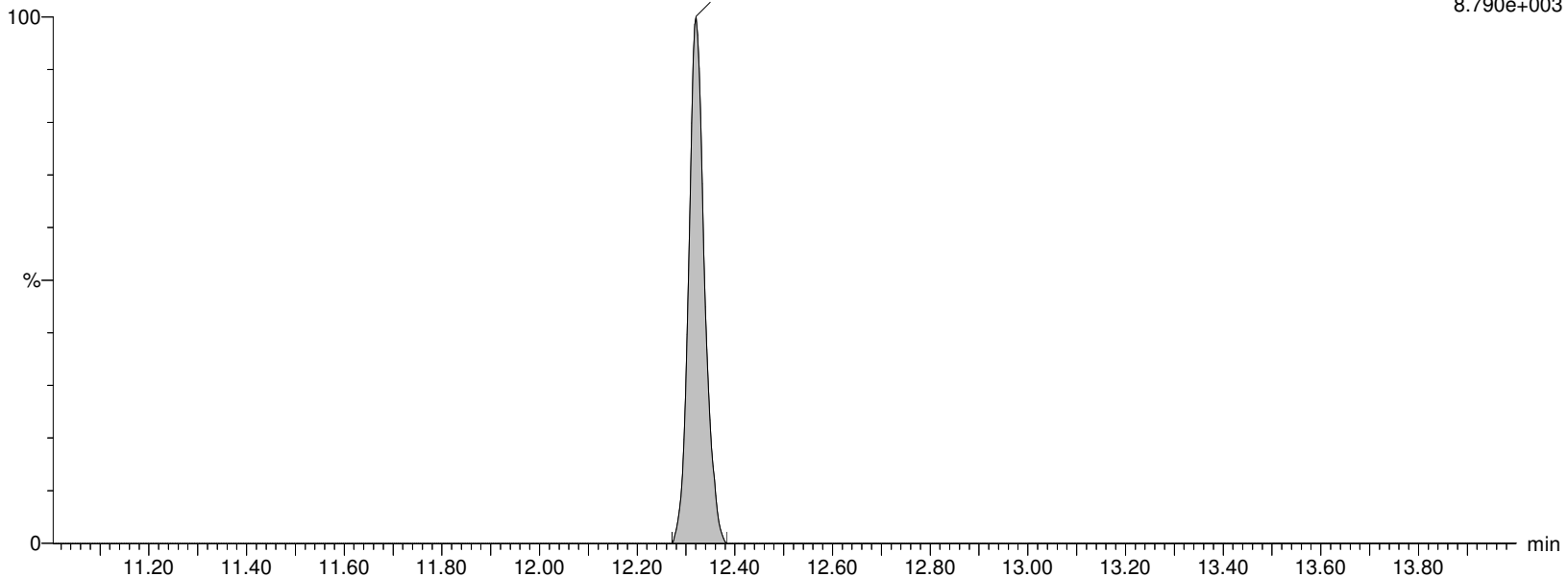
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

PFTA
12.32

F61:MRM of 2 channels, ES-

713.053 > 219.09

8.790e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

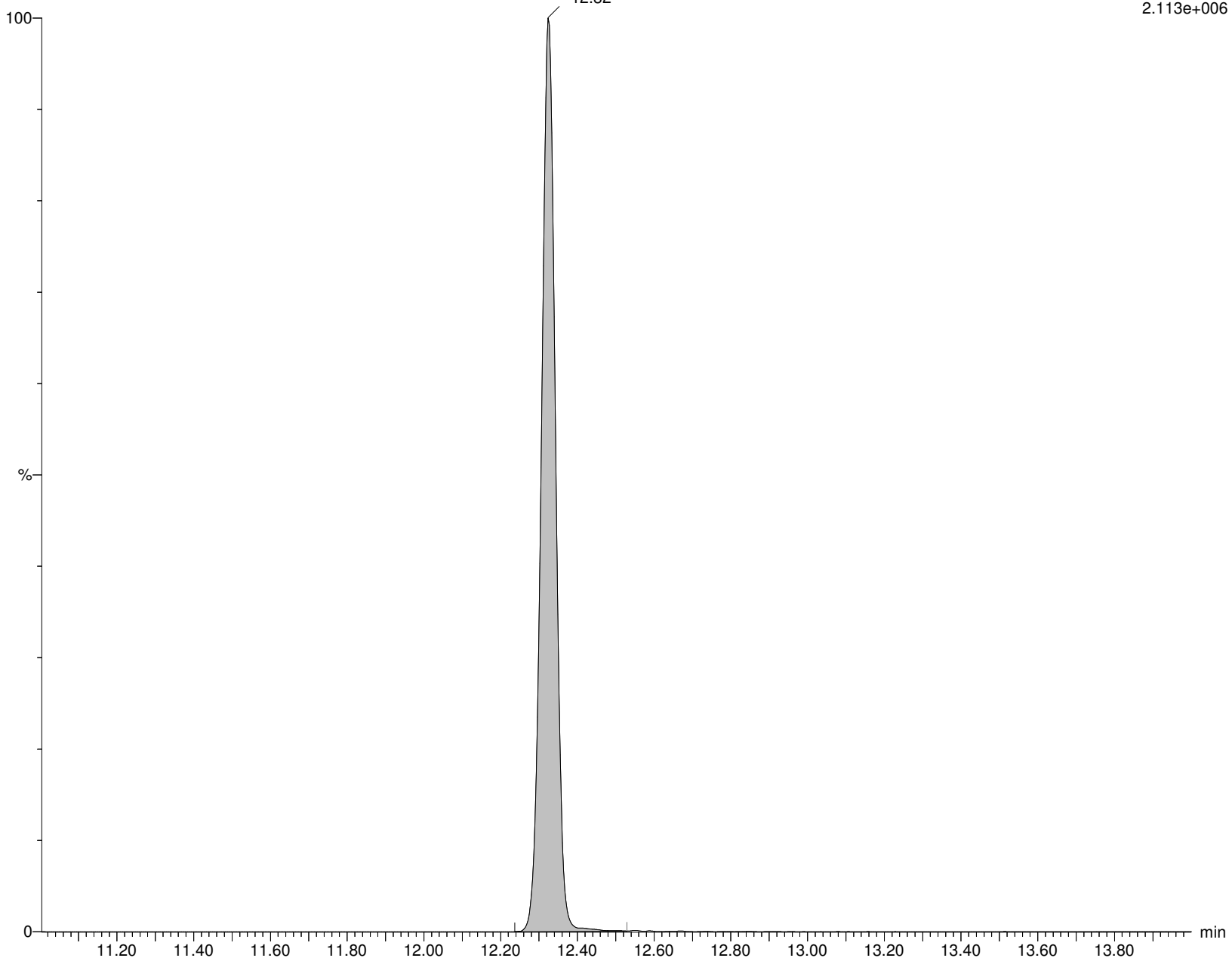
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

M2PFTEDA
12.32F62:MRM of 1 channel, ES-
715.053 > 669.945
2.113e+006

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

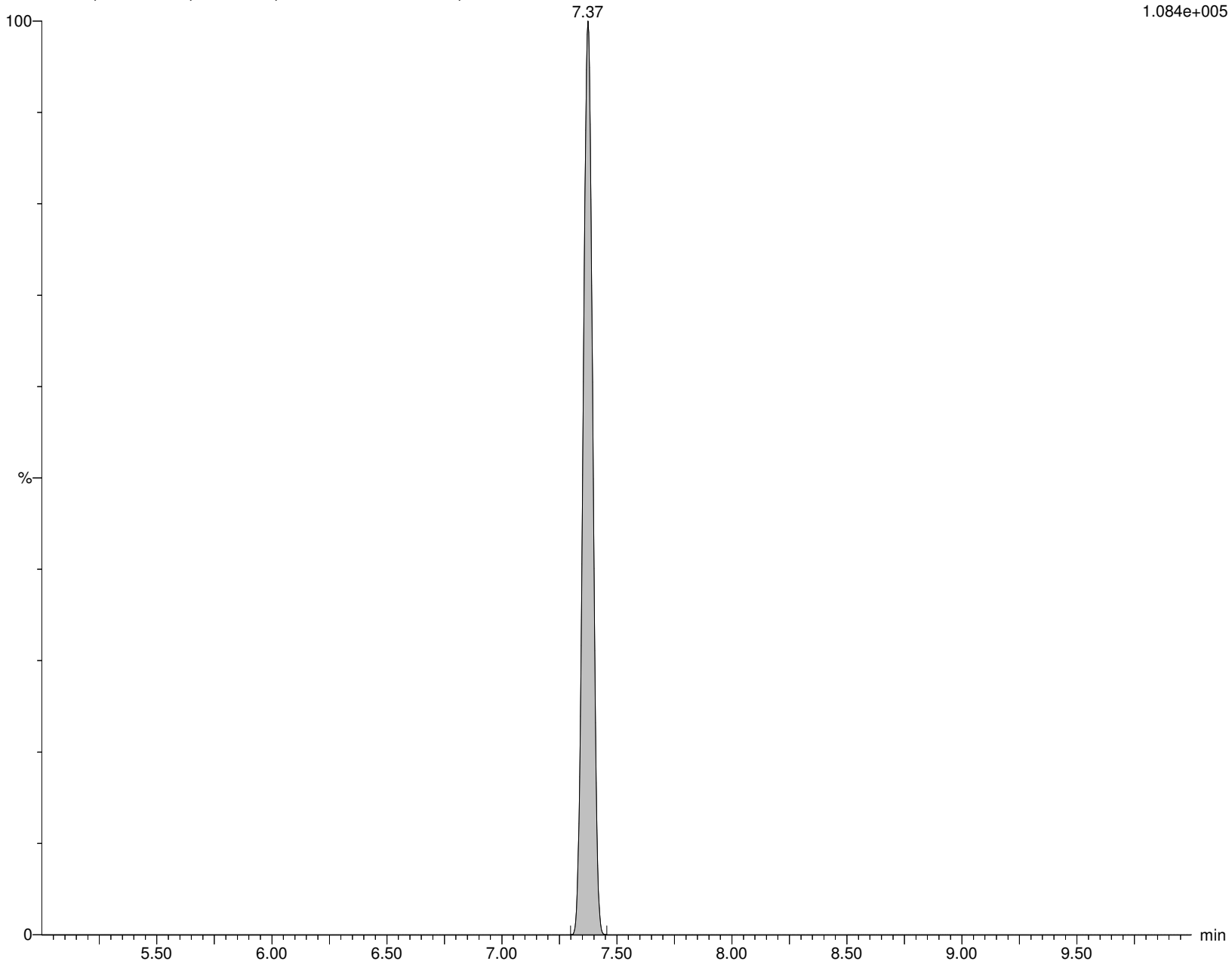
I18643 Smooth(Mn,2x4)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW M3HFPO-DA

F13:MRM of 1 channel, ES-

331.989 > 286.995

1.084e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

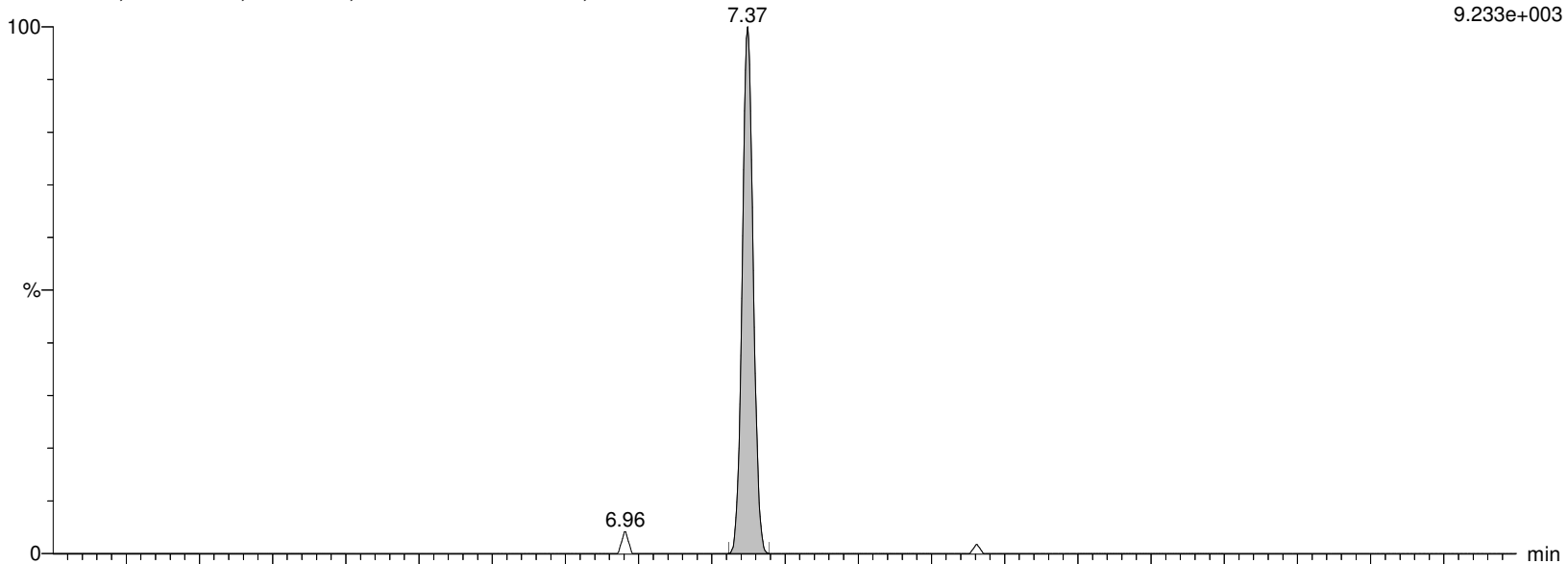
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW HFPO-DA

F6:MRM of 2 channels, ES-

284.819 > 169.094

9.233e+003



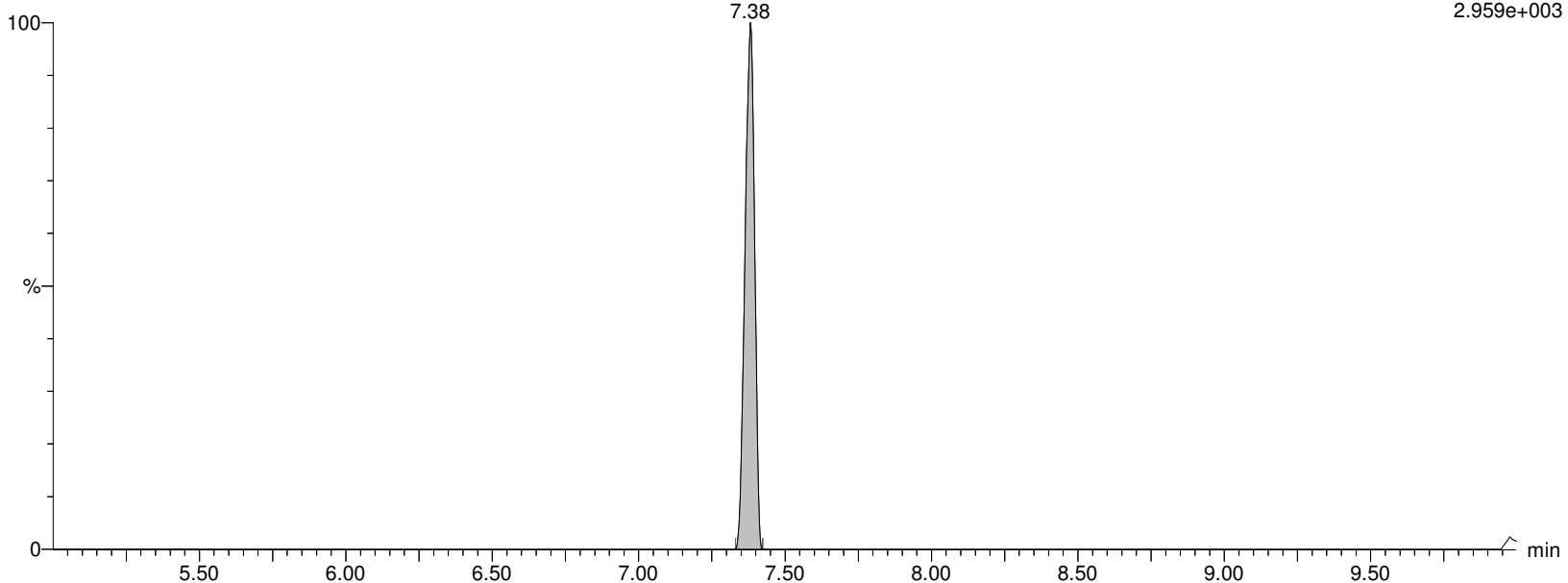
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW HFPO-DA

F6:MRM of 2 channels, ES-

328.989 > 284.982

2.959e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****ADONA**

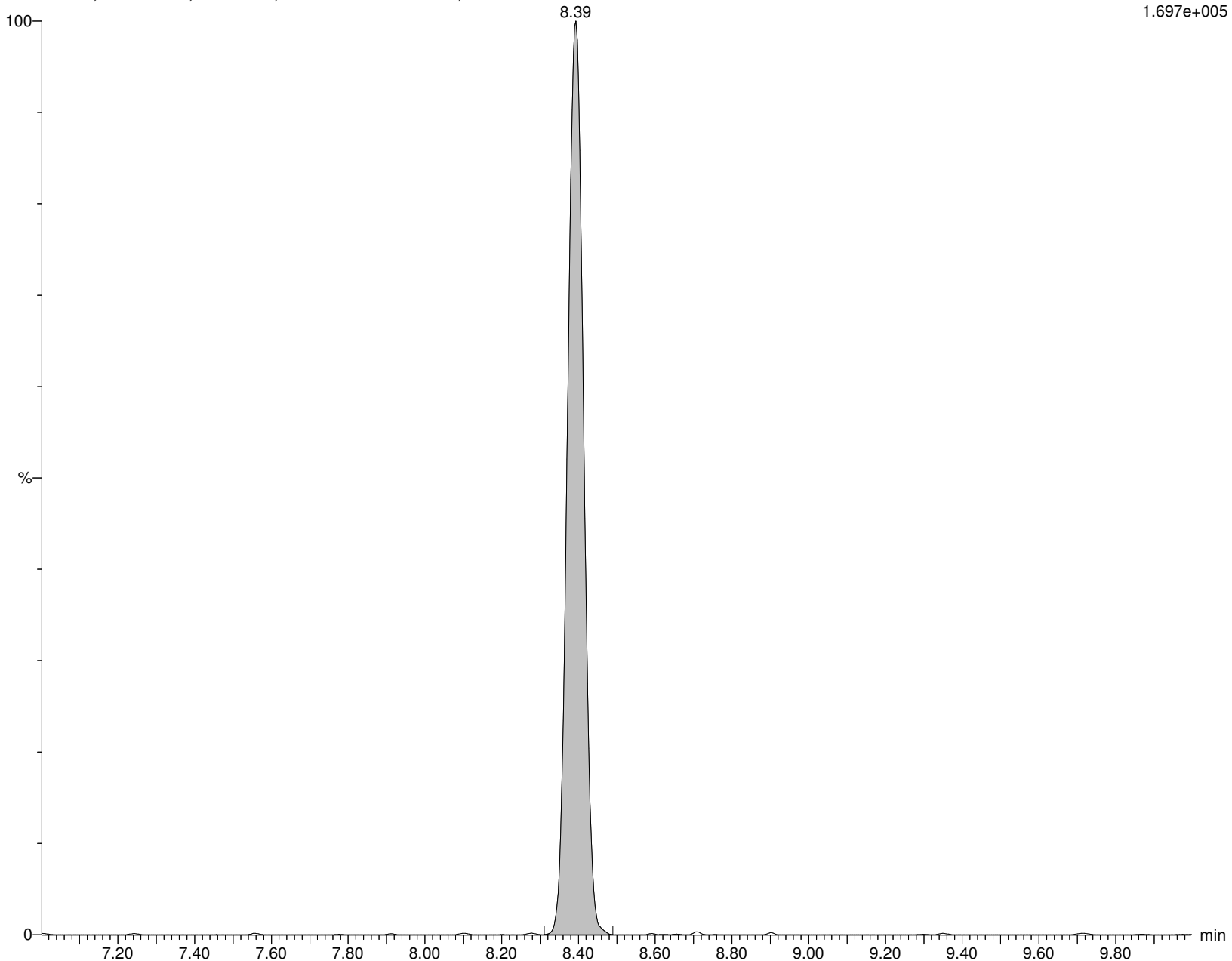
I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW ADONA

F17:MRM of 2 channels, ES-

376.926 > 251.005

1.697e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

I18643 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

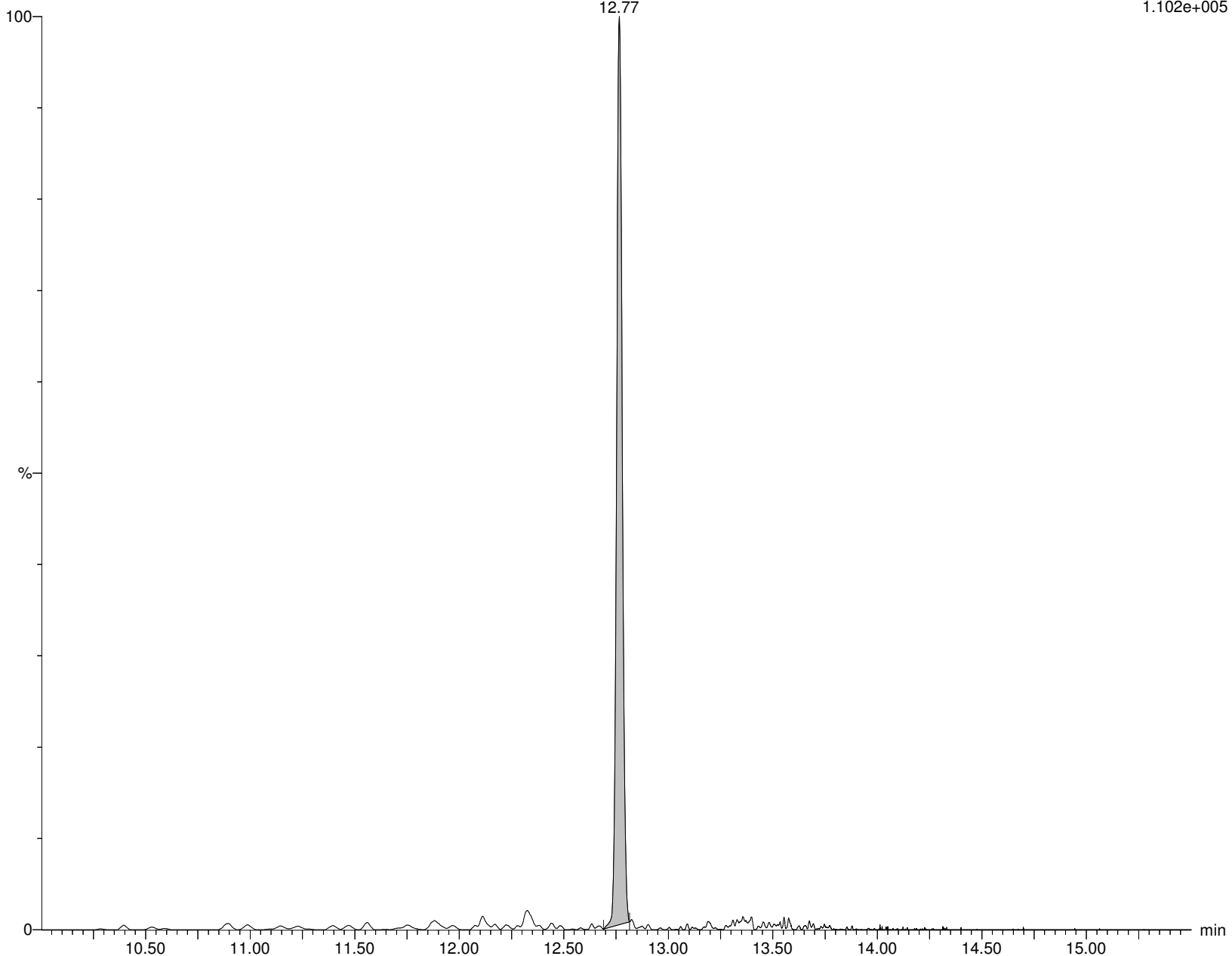
PFHxDA

12.77

F63:MRM of 1 channel, ES-

813.053 > 769.005

1.102e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913,WG1332696,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFODA**

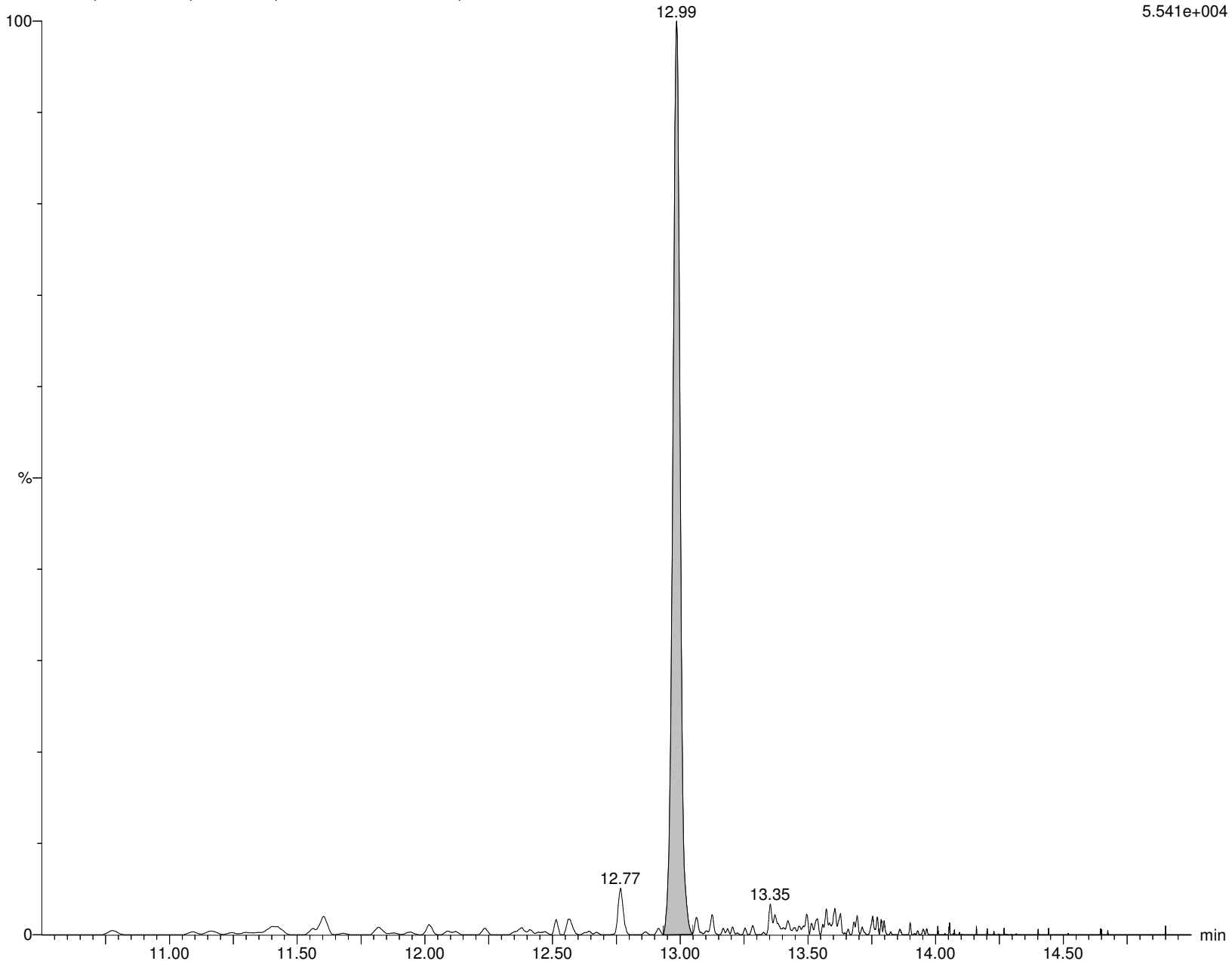
I18643 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

F65:MRM of 1 channel,ES-

912.989 > 869.032

5.541e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913,WG1332696,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

I18643 Smooth(Mn,2x3)

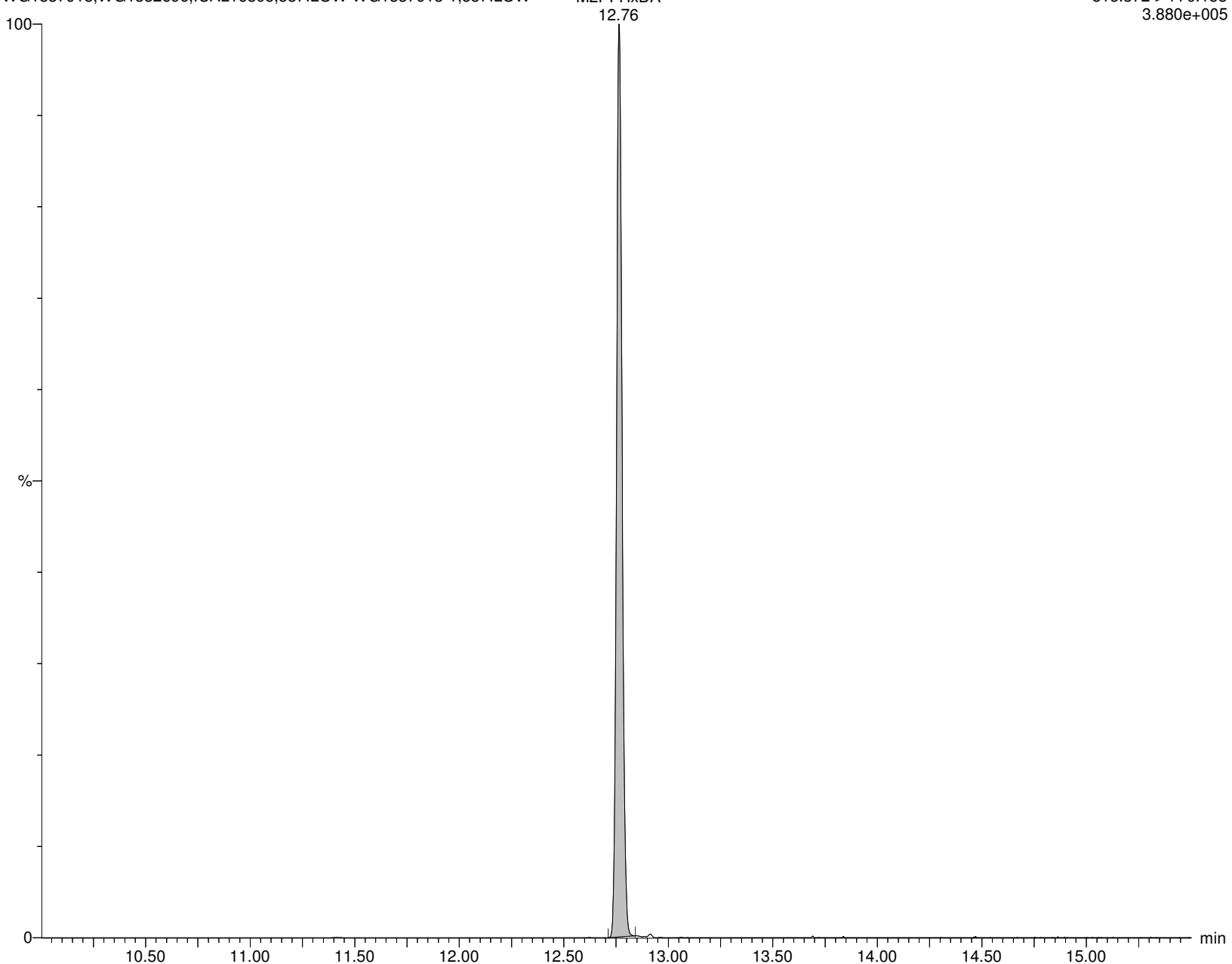
WG1337913,WG1332696,ICAL16305,537ILOW WG1337913-1,537ILOW

M2PFHxDA

F64:MRM of 1 channel,ES-

815.372 > 770.158

3.880e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

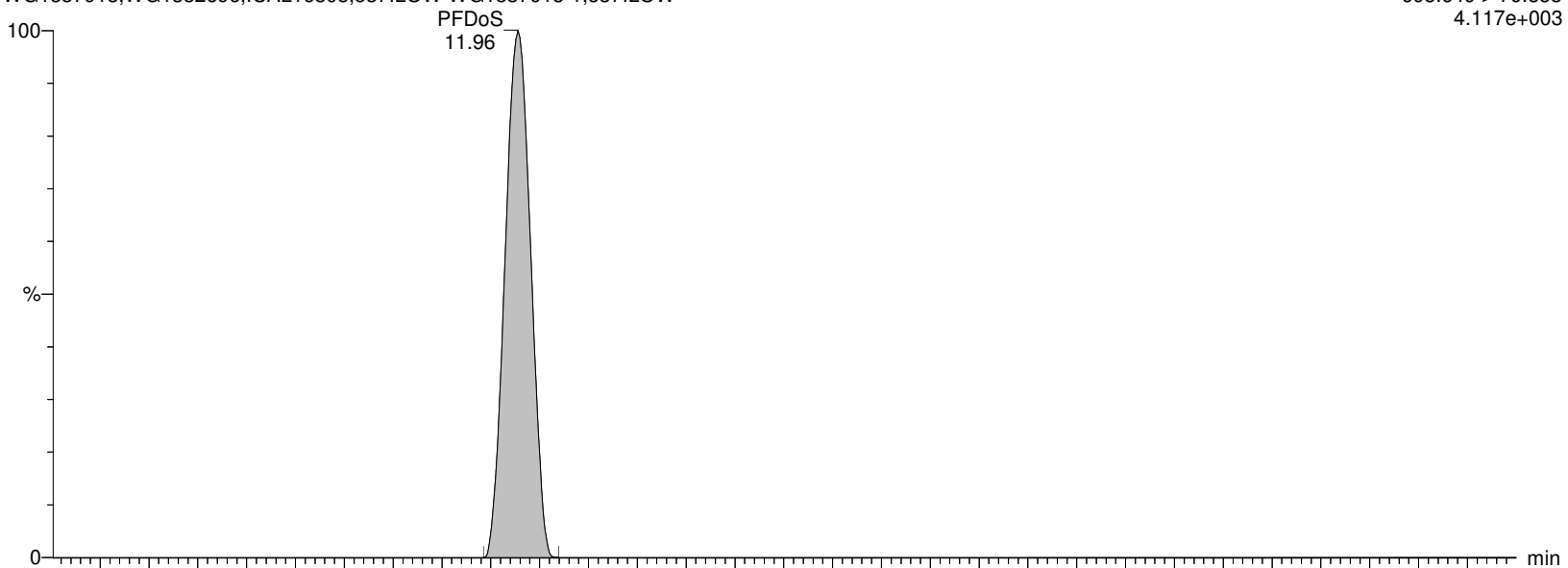
I18643 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 79.853

4.117e+003



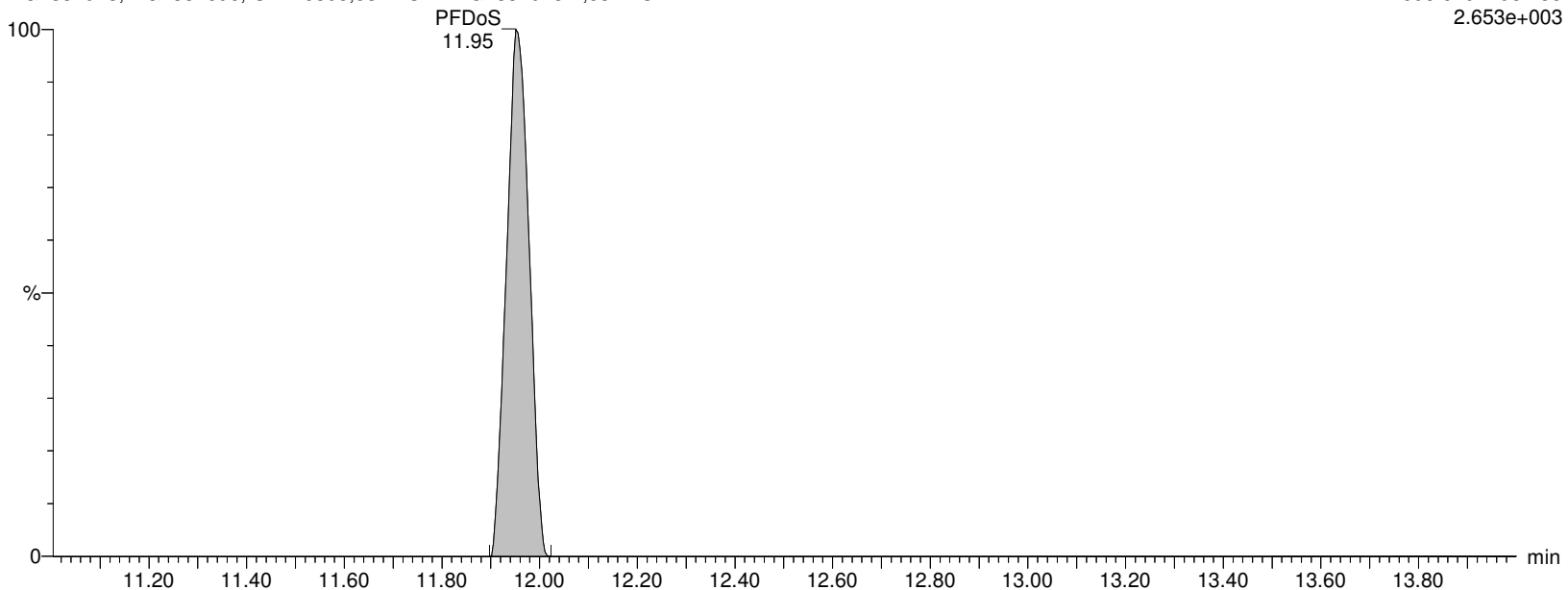
I18643 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 98.786

2.653e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

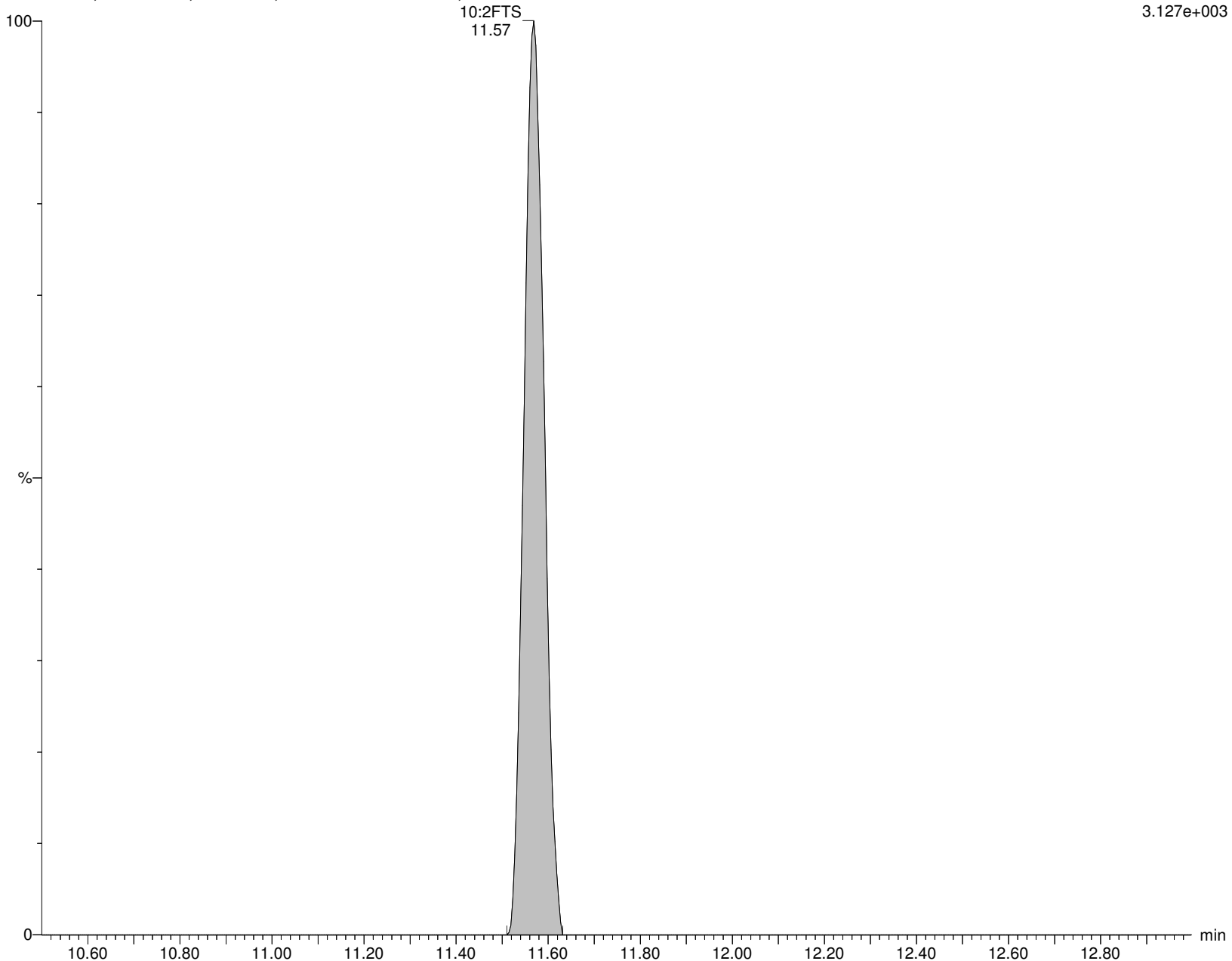
I18643 Smooth(Mn,2x4)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1, 537ILOW

F55:MRM of 1 channel, ES-

626.862 > 606.896

3.127e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643**ID: WG1337913-1,537ILOW****Date: 06-Feb-2020****Time: 13:54:46****Description: WG1337913, WG1332696, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****9CL-PF3ONS**

I18643 Smooth(Mn,2x5)

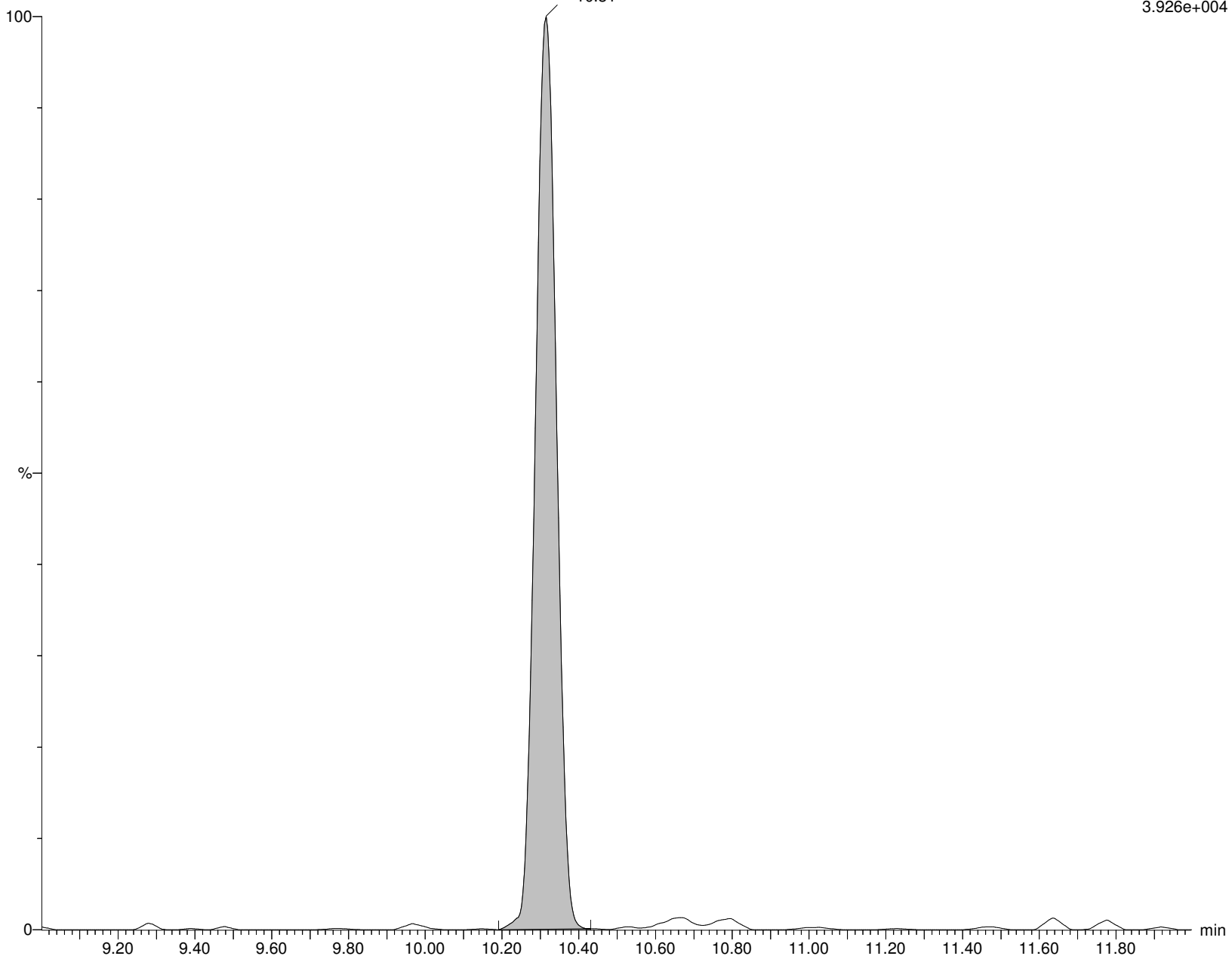
WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

9CL-PF3ONS
10.31

F41:MRM of 1 channel, ES-

530.862 > 350.843

3.926e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913-1.qld

Last Altered: Friday, February 07, 2020 14:18:05 Eastern Standard Time

Printed: Friday, February 07, 2020 14:29:49 Eastern Standard Time

Name: I18643

ID: WG1337913-1,537ILOW

Date: 06-Feb-2020

Time: 13:54:46

Description: WG1337913, WG1332696, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

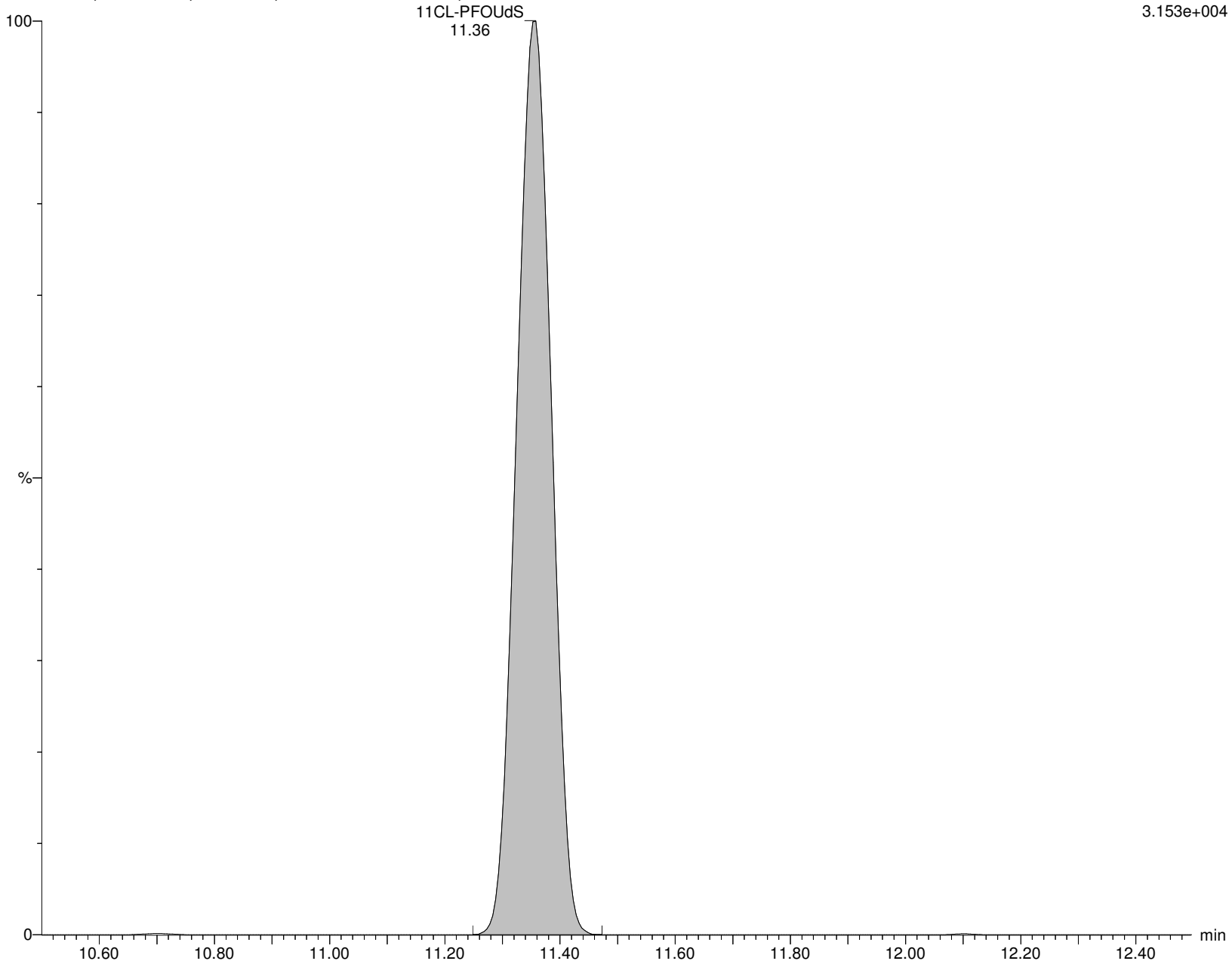
I18643 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537ILOW WG1337913-1,537ILOW

F57:MRM of 1 channel, ES-

630.862 > 450.854

3.153e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1337913-3,537ILOW

Name: I18671

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	2433		0.507		na	101.5
2	M3PFBA	INT STD	2.19	215.926 > 172.122	49430		10.668		na	106.7
3	MPFBA	INT STD	2.19	216.926 > 172.137	57451		10.680		na	106.8
4	PFPeA	2706-90-3	5.08	262.926 > 219.002	4650		0.519		na	103.8
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	92767		12.159		na	121.6
6	PFBS	375-73-5	5.72	298.926 > 79.923	757	M4	0.421	1.95	NO	95.0
7	M3PFBS	INT STD	5.72	301.989 > 80.254	12253		9.654		na	96.5
8	4:2FTS	757124-72-4	6.87	326.926 > 306.957	360		0.413	2.10	NO	88.4
9	M2-4:2FTS	INT STD	6.87	329.117 > 309.079	7851		9.529		na	95.3
10	PFHxA	307-24-4	6.95	312.989 > 269.028	5744		0.566	16.33	NO	113.2
11	M5PFHxA	INT STD	6.95	317.989 > 273.045	110252		9.948		na	99.5
12	PFPeS	2706-91-4	7.26	348.926 > 80.251	532		0.382	1.94	NO	81.4
13	PFHpA	375-85-9	8.21	362.926 > 319.014	6538		0.473	5.05	NO	94.5
14	M4PFHpA	INT STD	8.21	366.926 > 321.979	153381		10.389		na	103.9
15	br-PFHxS	355-46-4	8.13	398.926 > 80.295	39	M5	0.039	1.17	NO	46.4
16	L-PFHxS	355-46-4	8.37	398.926 > 80.295	350		0.336	1.37	NO	90.7
17	PFHxS	355-46-4		398.926 > 80.295	388		0.375		na	
18	M3PFHxS	INT STD	8.36	401.926 > 80.317	8319		11.356		na	113.6
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.11	412.989 > 368.9	7309		0.535	10.49	NO	106.9
21	PFOA	335-67-1		412.989 > 368.9	7309		0.535		na	
22	M8PFOA	INT STD	9.11	420.989 > 375.979	148913		10.511		na	105.1
23	M2PFOA	INT STD	9.11	415.032 > 369.968	144785		13.696		na	137.0
24	6:2FTS	27619-97-2	9.07	426.989 > 406.921	312		0.460		YES	96.7
25	M2-6:2FTS	INT STD	9.07	428.989 > 408.917	8370		10.393		na	103.9
26	PFHpS	375-92-8	9.20	448.926 > 80.257	258		0.397	0.81	NO	83.6
27	PFNA	375-95-1	9.87	462.989 > 418.931	5901		0.470	4.97	NO	93.9
28	M9PFNA	INT STD	9.87	472.053 > 426.947	153344		11.001		na	110.0
29	br-PFOS	1763-23-1	9.71	498.989 > 80.294	97		0.075	15.46	NO	75.5
30	L-PFOS	1763-23-1	9.92	498.989 > 80.294	297		0.308	1.50	YES	84.3
31	PFOS	1763-23-1		498.989 > 80.294	394		0.383		na	
32	M4PFOS	INT STD	9.92	503.032 > 80.306	9067		12.982		na	129.8
33	M8PFOS	INT STD	9.92	507.053 > 80.294	9854		10.591		na	105.9
34	PFDA	335-76-2	10.51	513.053 > 468.906	5899		0.490	7.97	NO	97.9
35	M2PFDA	INT STD	10.51	515.053 > 469.934	126170		14.290		na	142.9
36	M6PFDA	INT STD	10.50	519.053 > 473.931	140420		10.769		na	107.7
37	8:2FTS	39108-34-4	10.49	526.926 > 506.818	303		0.531		na	110.7
38	M2-8:2FTS	INT STD	10.50	529.053 > 508.945	5235		11.083		na	110.8
39	PFNS	68259-12-1	10.53	548.989 > 80.249	377		0.411	1.26	NO	85.7

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

ID: WG1337913-3,537ILOW

Name: I18671

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.096 > 418.987	15257		10.274		na	102.7
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.90	570.053 > 418.917	733		0.516	2.33	NO	103.1
43	NMeFOSAA	2355-31-9		570.053 > 418.917	733		0.516		na	
44	PFUnA	2058-94-8	11.06	562.989 > 518.903	6363		0.500	7.97	NO	100.0
45	M7-PFUDA	INT STD	11.06	570.053 > 524.923	133021		11.499		na	115.0
46	PFDS	335-77-3	11.07	598.926 > 80.314	217		0.332	0.65	NO	68.7
47	FOSA	754-91-6	10.95	497.989 > 78.245	1207		0.445		YES	89.1
48	M8FOSA	INT STD	10.95	506.053 > 78.286	25515		8.276		na	82.8
49	d5-NEtFOSAA	INT STD	11.19	589.117 > 418.929	13573		10.346		na	103.5
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.20	583.989 > 418.927	652		0.509	3.27	NO	101.8
52	NEtFOSAA	2991-50-6		583.989 > 418.927	652		0.509		na	
53	PFDaA	307-55-1	11.53	612.989 > 568.967	6126		0.530	26.66	YES	105.9
54	MPFDOA	INT STD	11.54	614.989 > 569.92	136544		10.521		na	105.2
55	PFTTrDA	72629-94-8	11.95	663.053 > 618.969	4751		0.511	12.41	NO	102.1
56	PFTA	376-06-7	12.31	713.053 > 668.976	4544		0.525	10.66	NO	105.0
57	M2PFTEDA	INT STD	12.31	715.053 > 669.945	108073		10.484		na	104.8
58	M3HFPO-DA	INT STD	7.38	331.989 > 286.995	7166		115.449		na	57.7
59	HFPO-DA	13252-13-6	7.37	284.819 > 169.094	463		7.774	2.87	YES	77.7
60	ADONA	958445-44-8	8.38	376.926 > 251.005	8636		0.441		na	93.2
61	PFHxDA		12.76	813.053 > 769.005	3709		0.921		na	184.3
62	PFODA		12.99	912.989 > 869.032	1995		0.677		na	135.3
63	M2PFHxDA		12.76	815.372 > 770.158	10952		4.991		na	49.9
64	PFDoS		11.94	698.649 > 79.853	278		0.416	1.50	YES	83.3
65	10:2FTS		11.54	626.862 > 606.896	205 m5		0.375		na	77.8
66	9CL-PF3ONS		10.27	530.862 > 350.843	2471		0.382		na	81.9
67	11CL-PFOUdS		11.33	630.862 > 450.854	2103		0.385		na	81.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

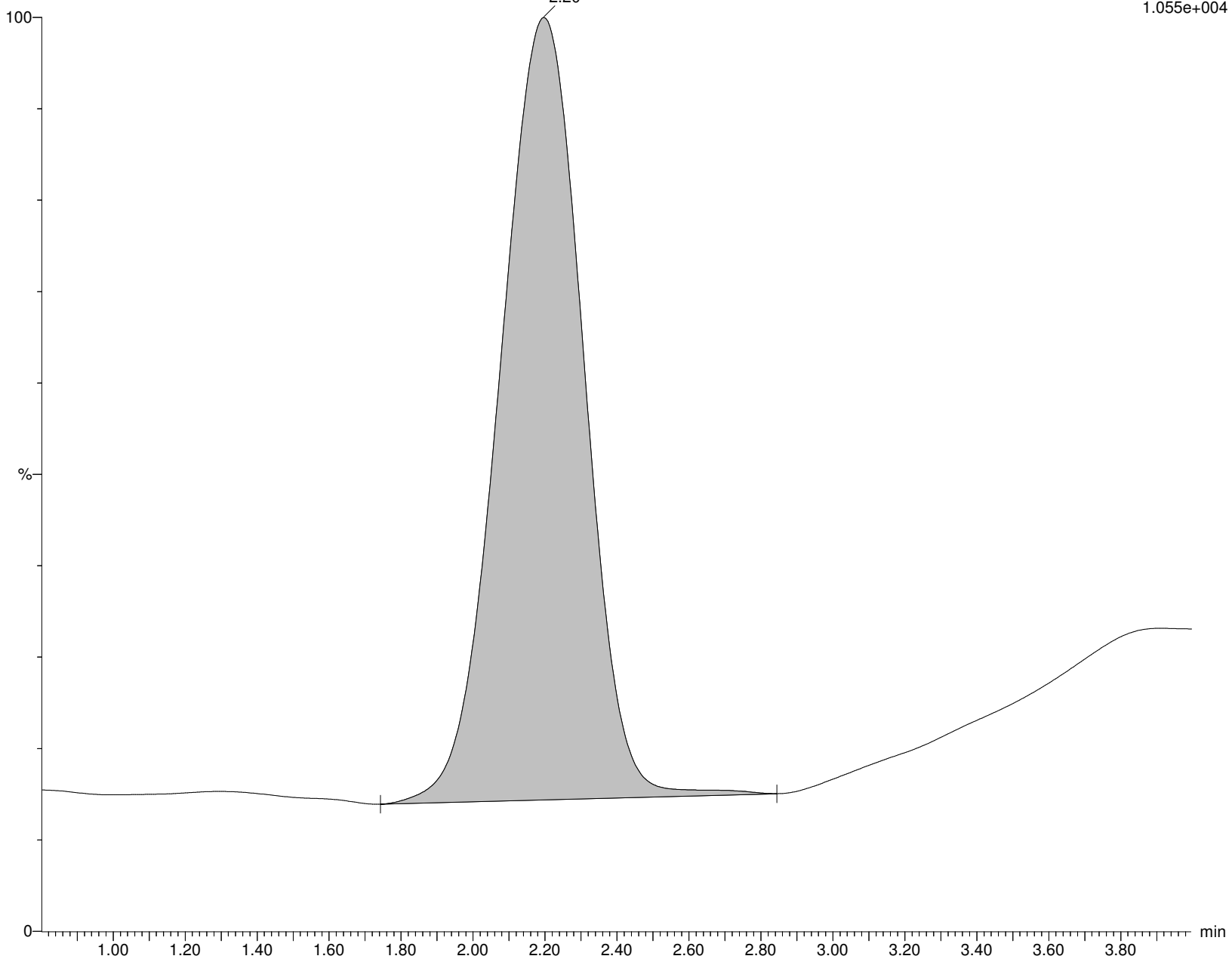
I18671 Smooth(Mn,8x8)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW PFBA

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.055e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

I18671 Smooth(Mn,8x8)

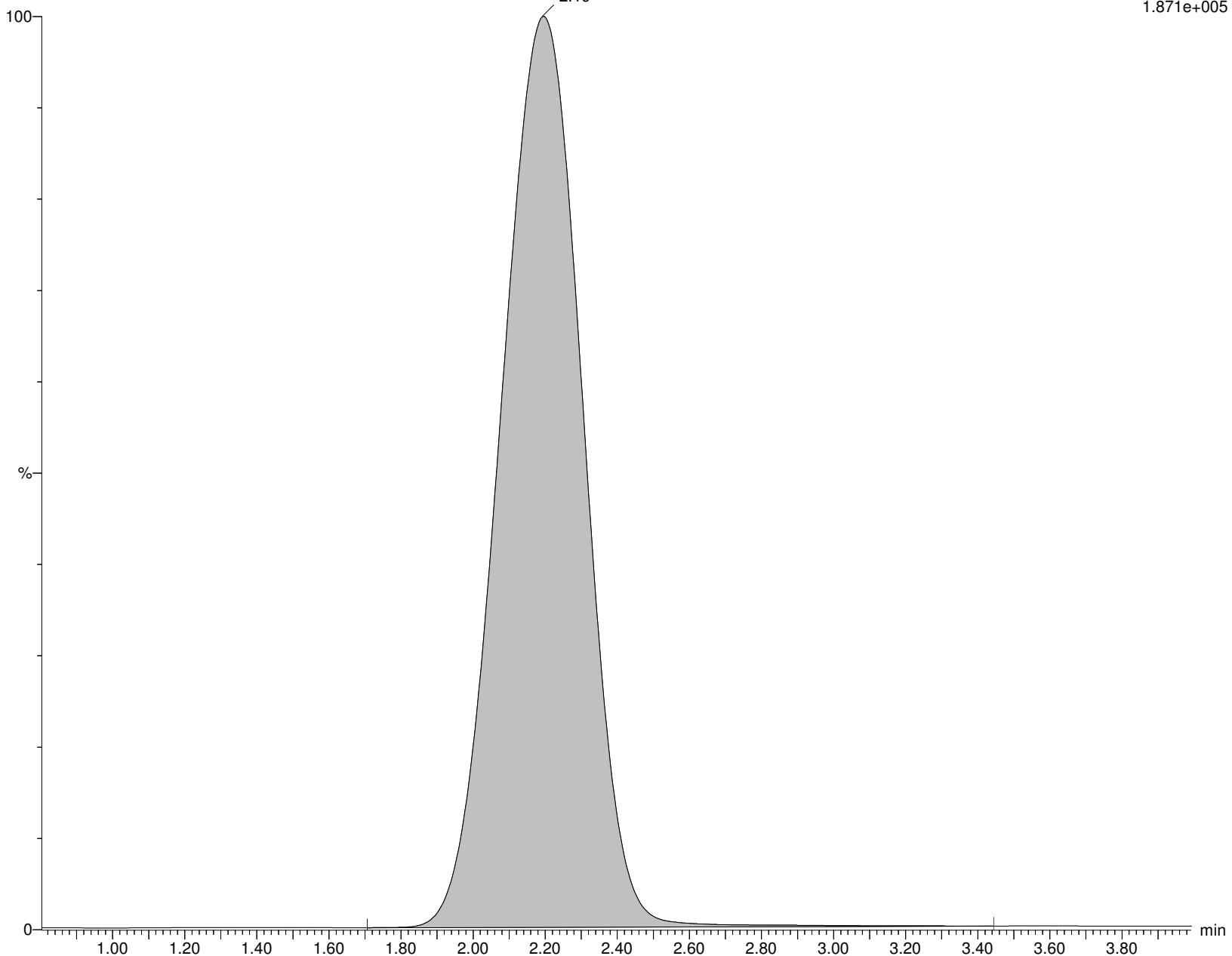
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

M3PFBA
2.19

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.871e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

I18671 Smooth(Mn,8x8)

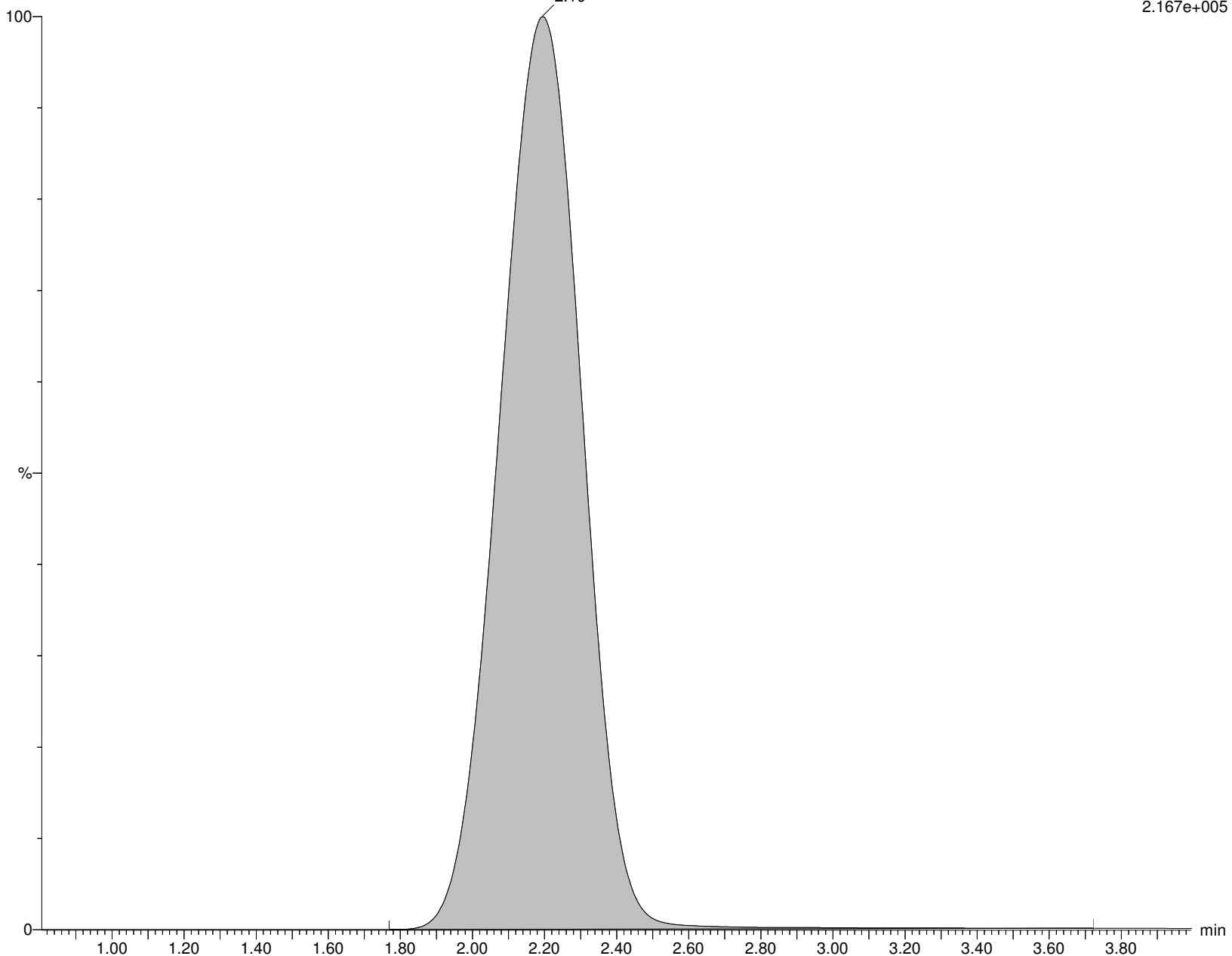
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

MPFBA
2.19

F3:MRM of 1 channel, ES-

216.926 > 172.137

2.167e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

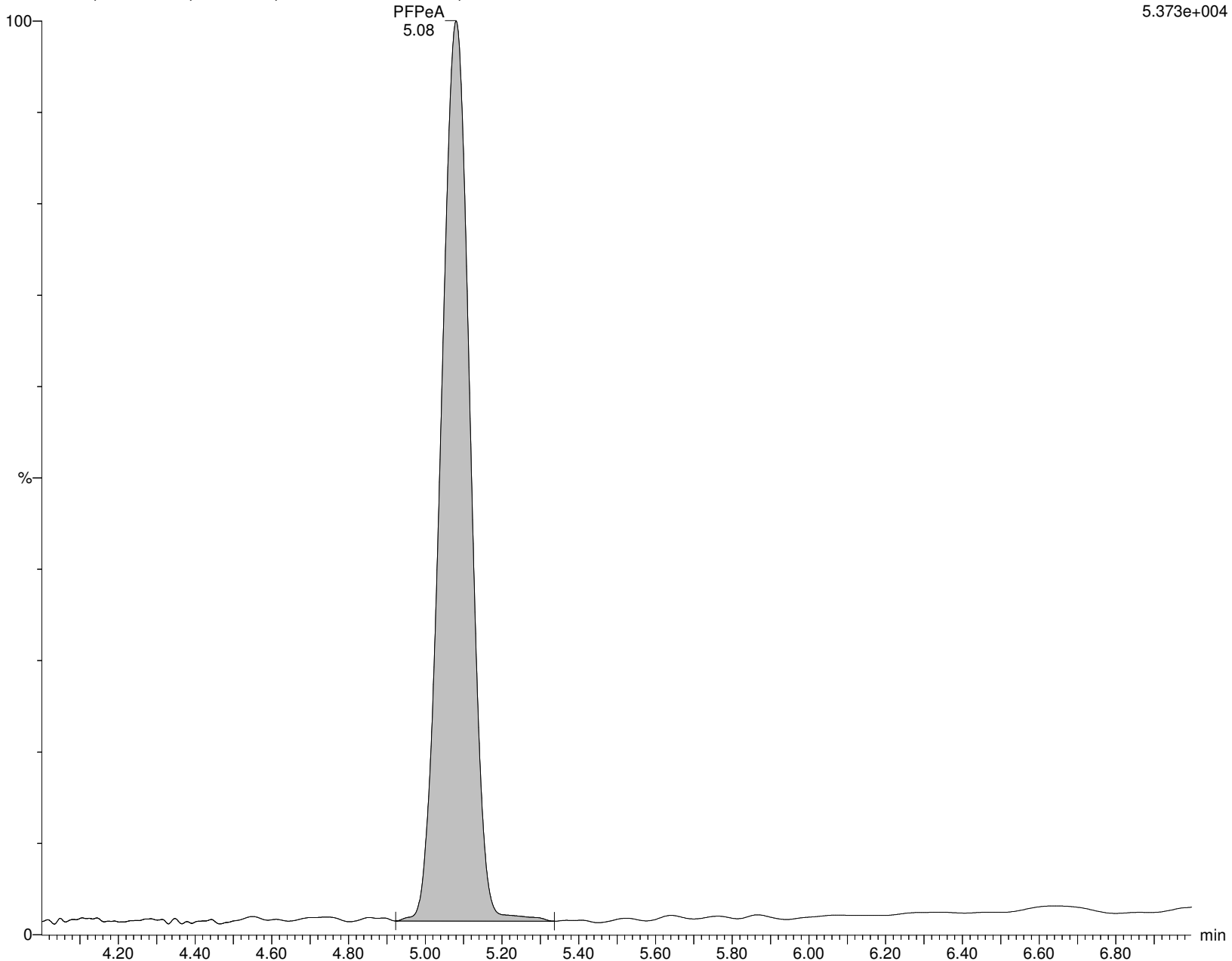
I18671 Smooth(Mn,7x7)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F4:MRM of 1 channel, ES-

262.926 > 219.002

5.373e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M5PFPEA

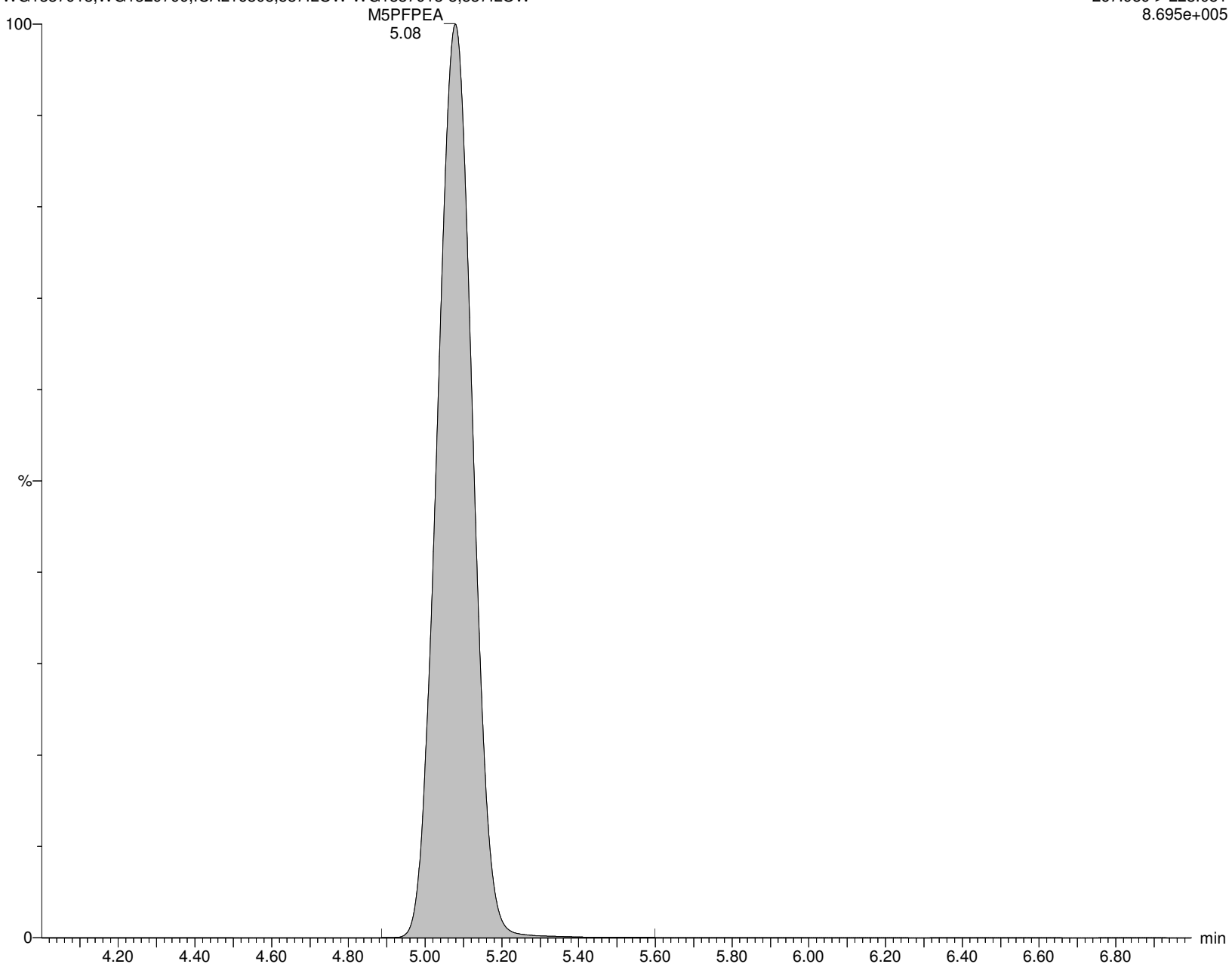
I18671 Smooth(Mn,10x10)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F5:MRM of 1 channel, ES-

267.989 > 223.081

8.695e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

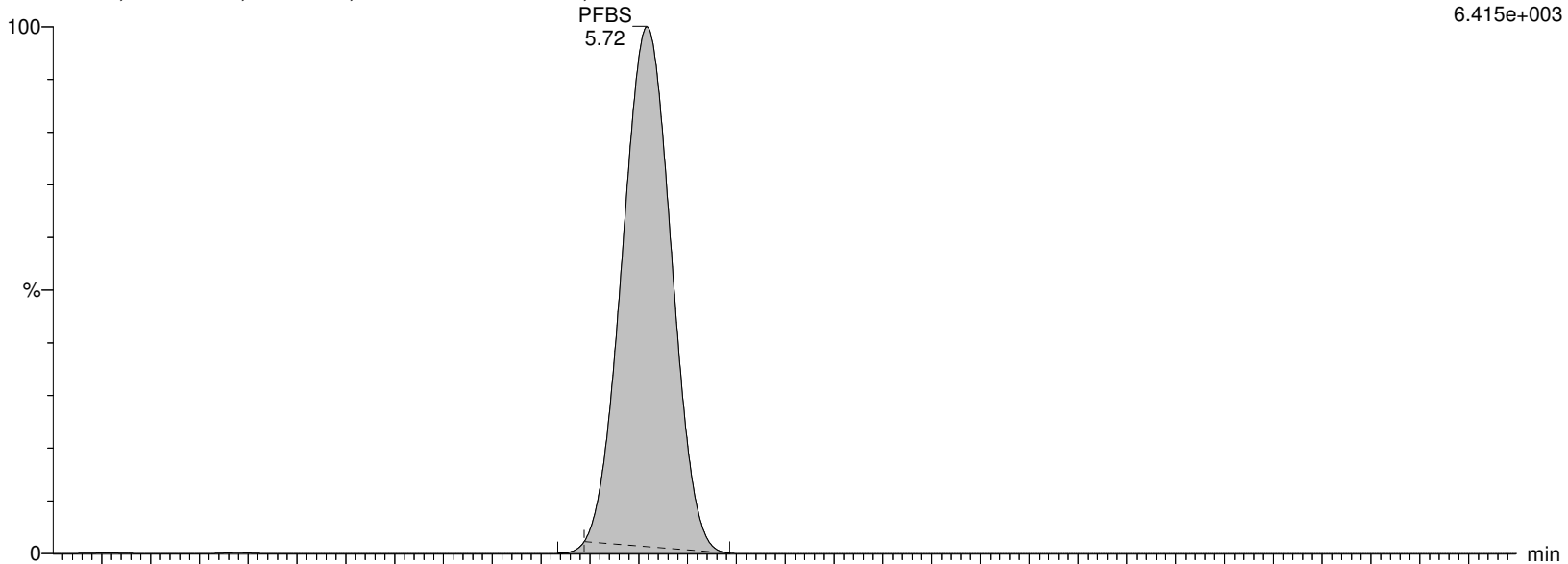
I18671 Smooth(Mn,10x10)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 79.923

6.415e+003



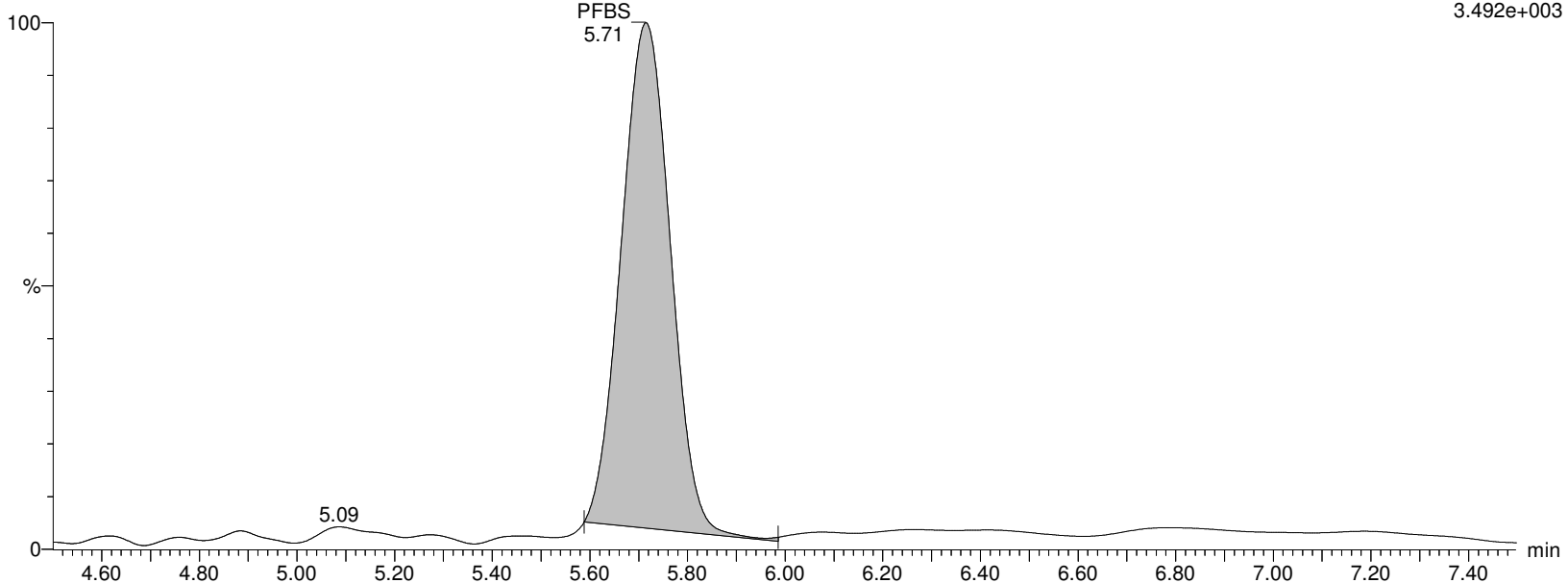
I18671 Smooth(Mn,10x10)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 98.862

3.492e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

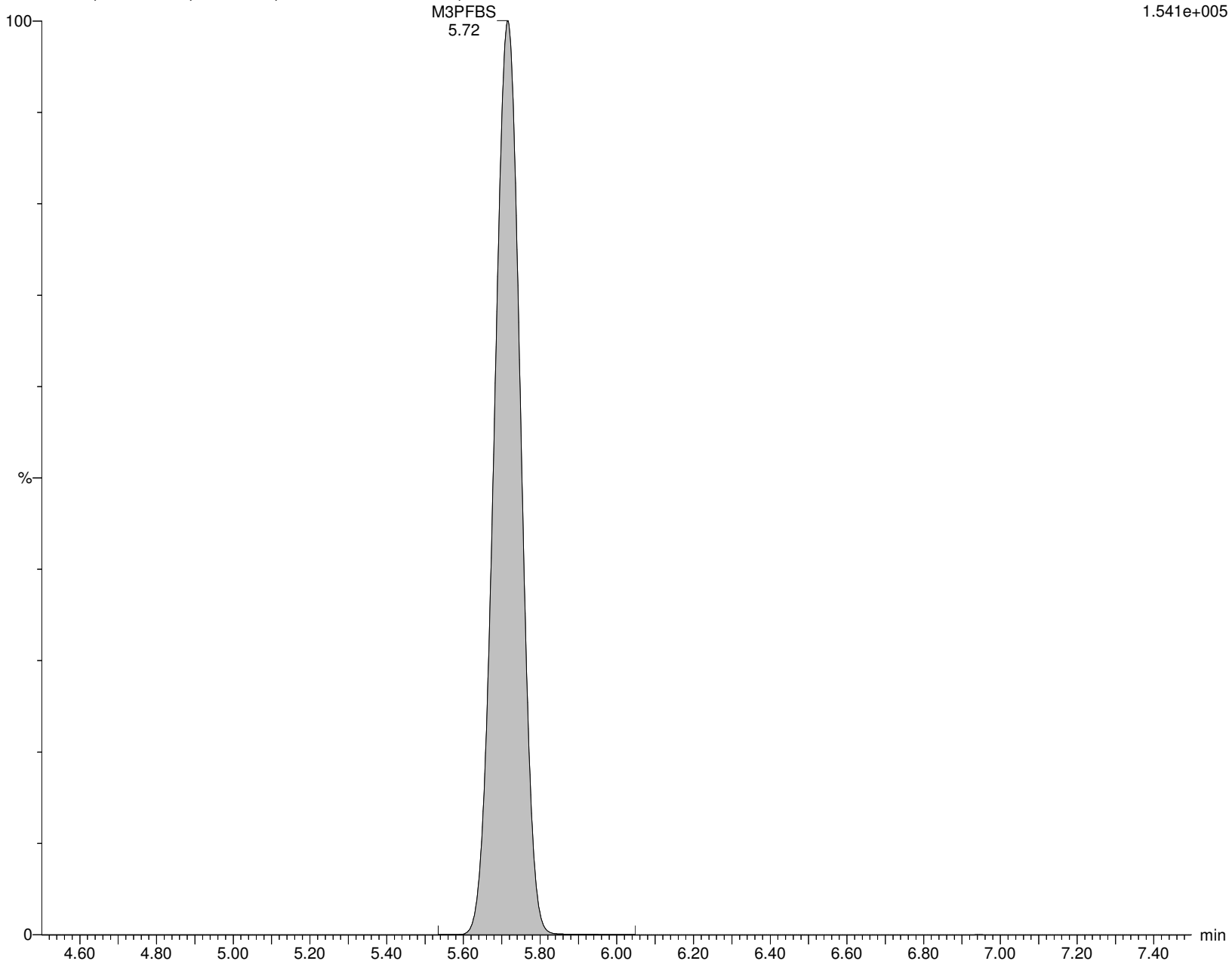
I18671 Smooth(Mn,6x6)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.541e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

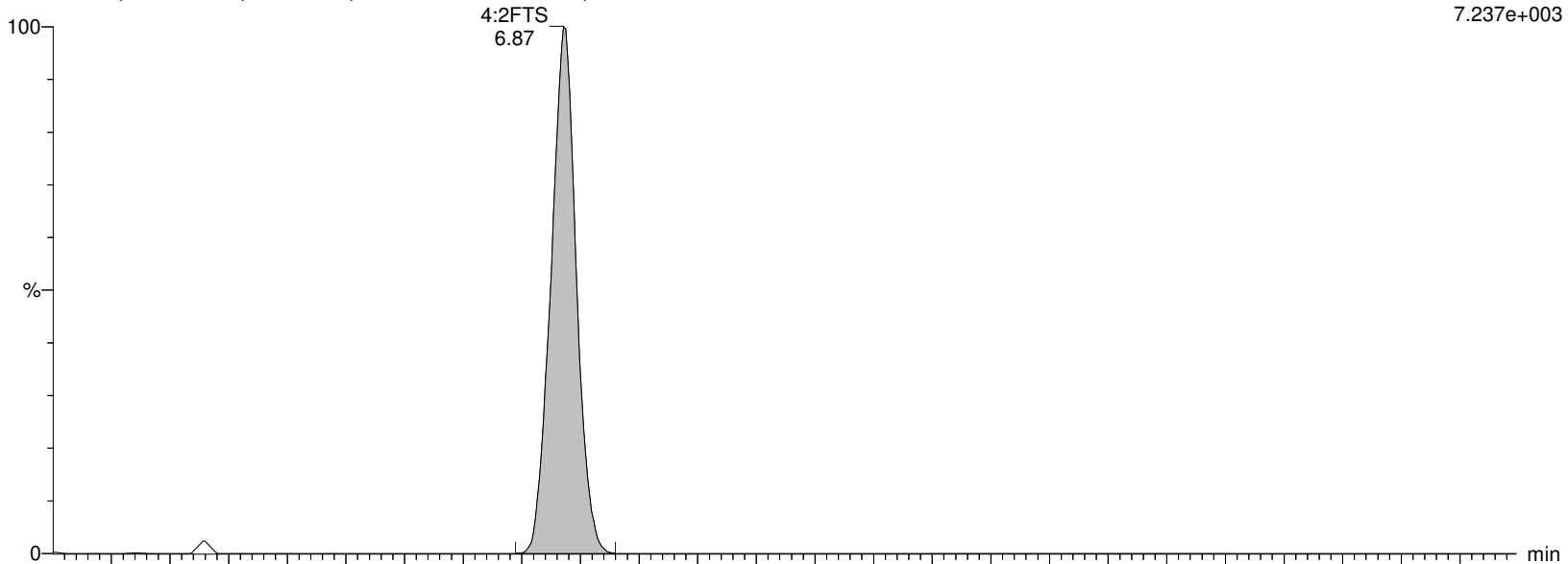
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F11:MRM of 2 channels, ES-

326.926 > 306.957

7.237e+003



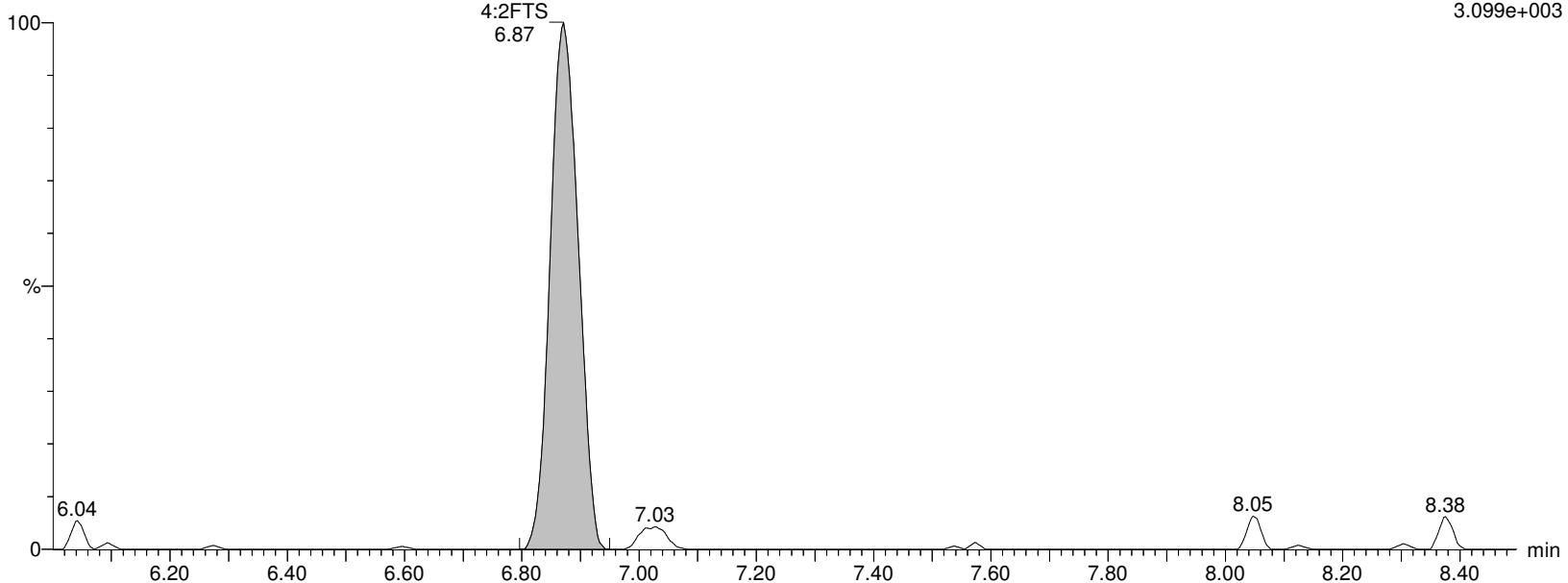
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F11:MRM of 2 channels, ES-

326.926 > 81.02

3.099e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2-4:2FTS

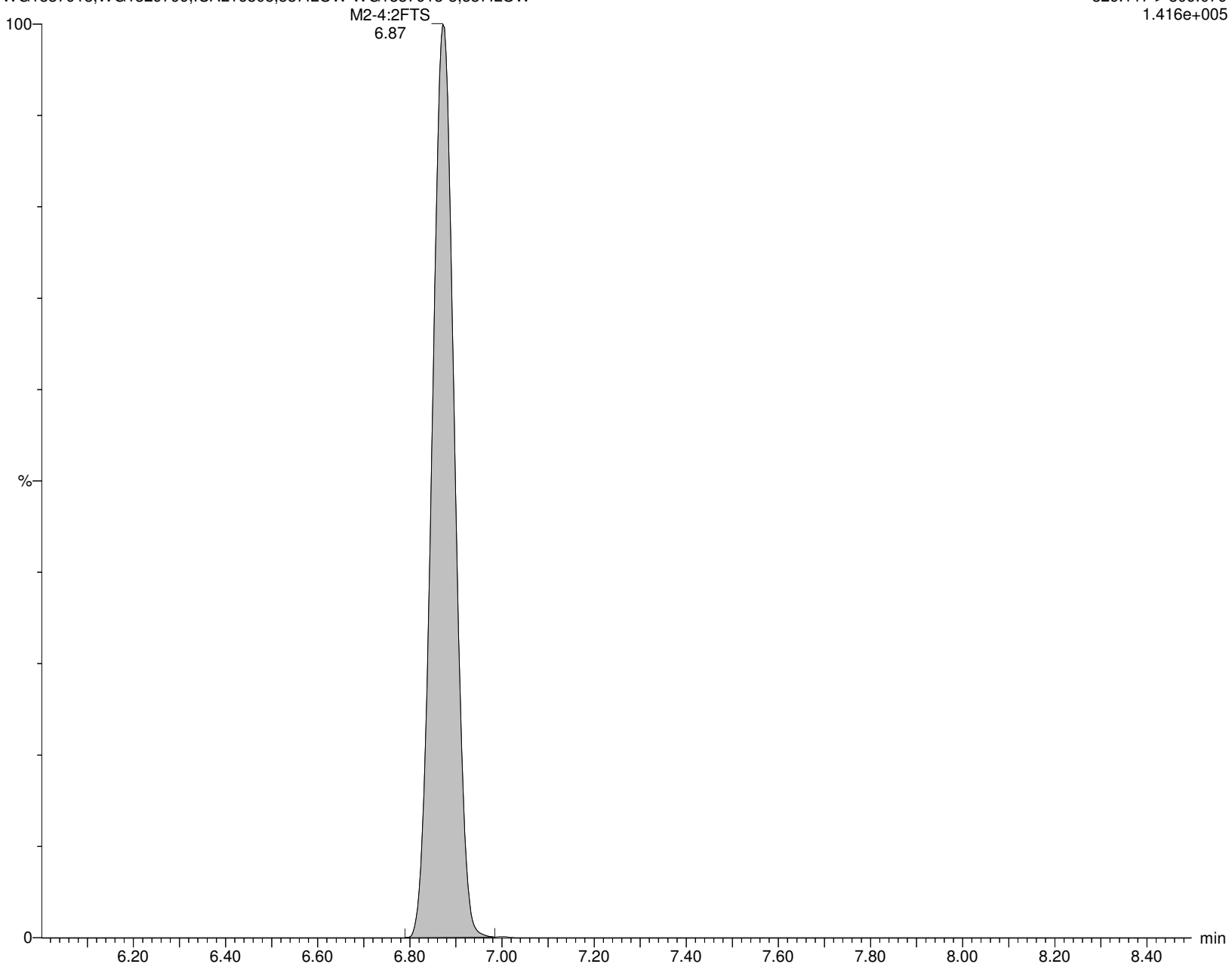
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.416e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

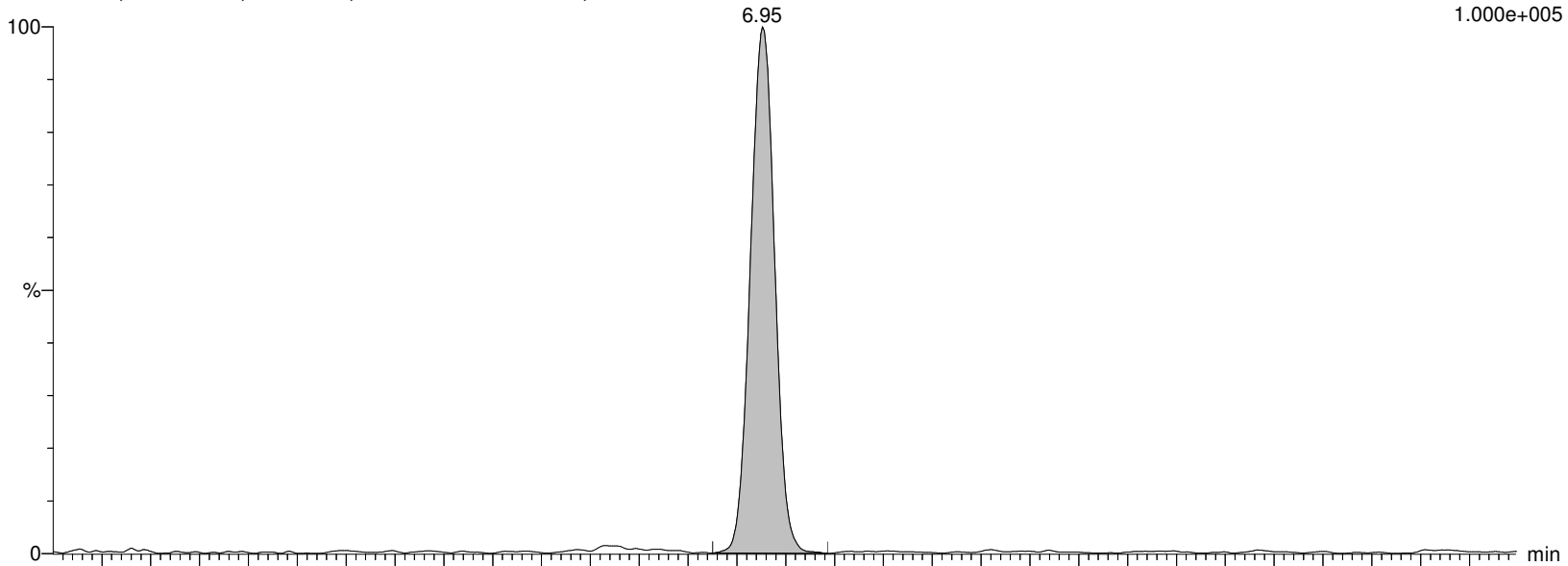
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.000e+005



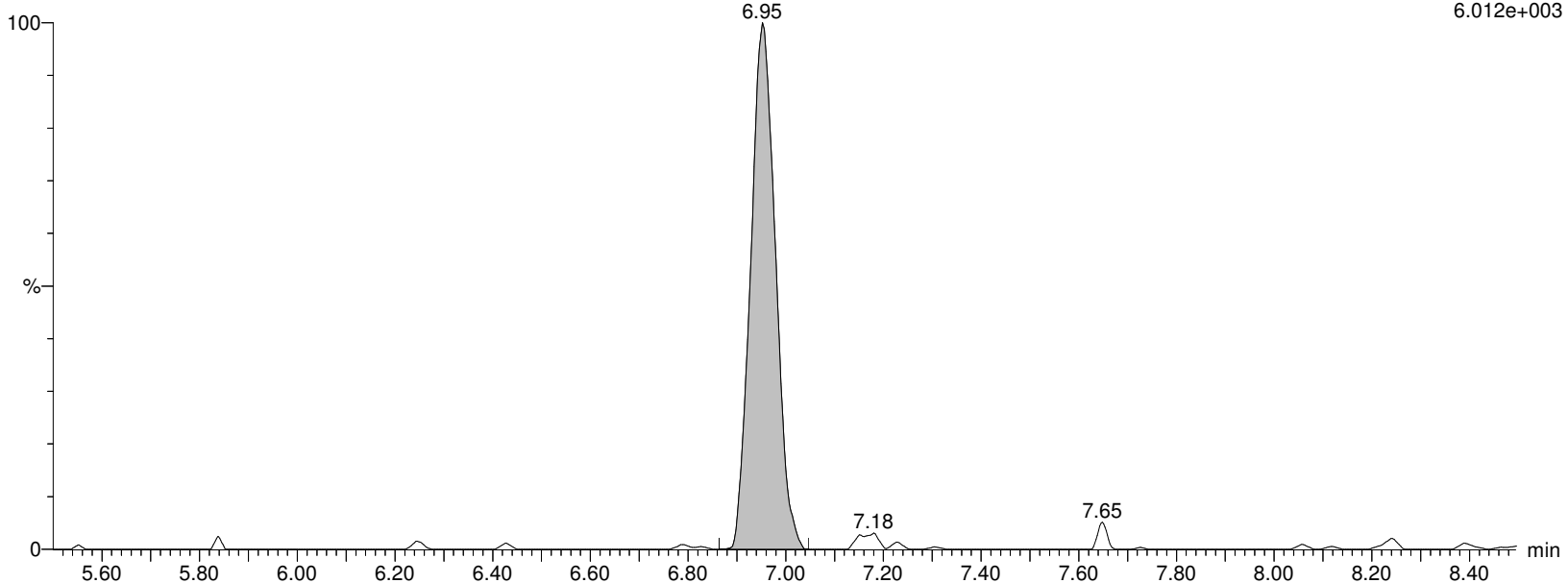
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F9:MRM of 2 channels, ES-

312.989 > 119.18

6.012e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

I18671 Smooth(Mn,2x3)

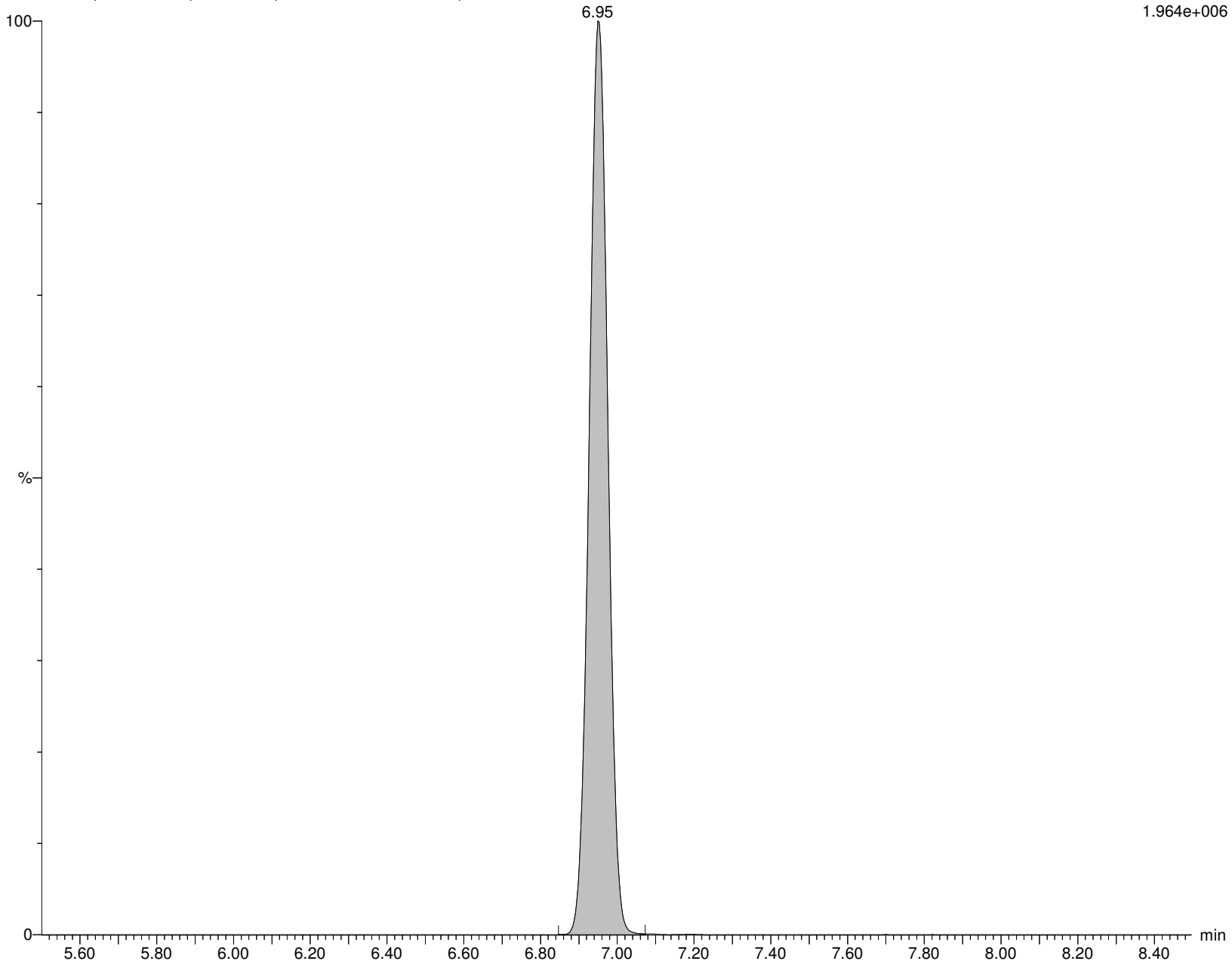
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

M5PFHxA

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.964e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

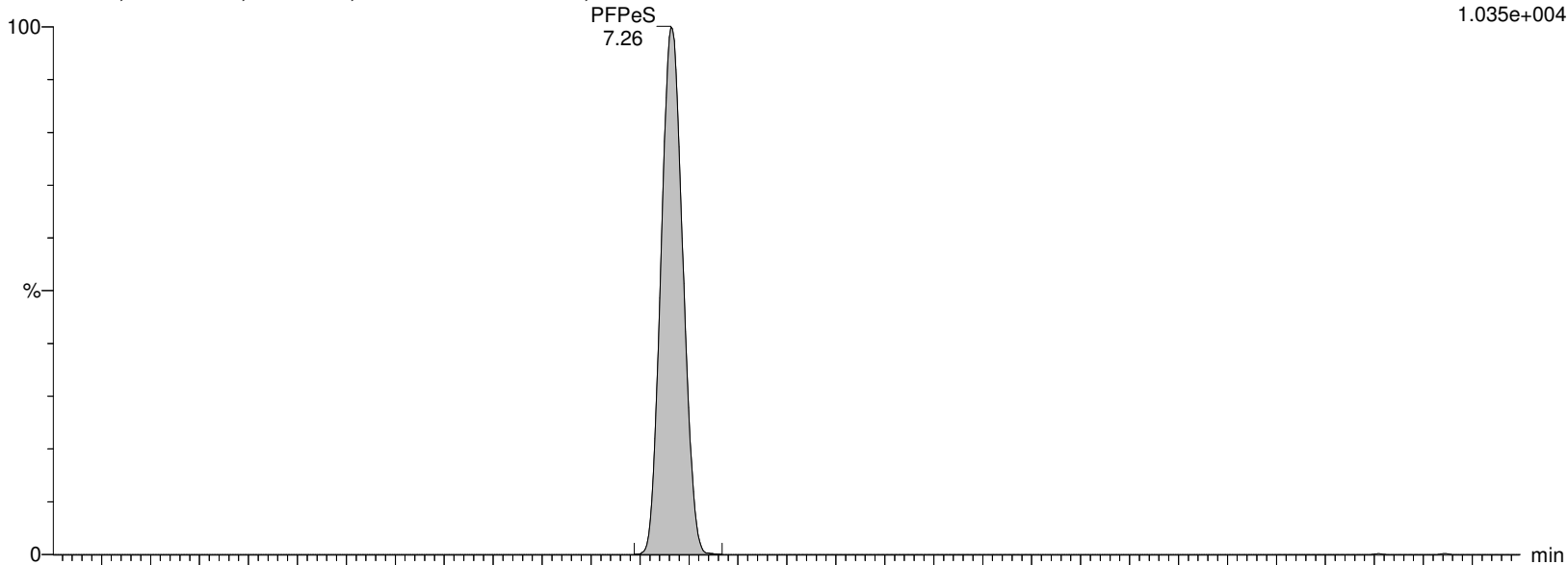
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F14:MRM of 2 channels, ES-

348.926 > 80.251

1.035e+004



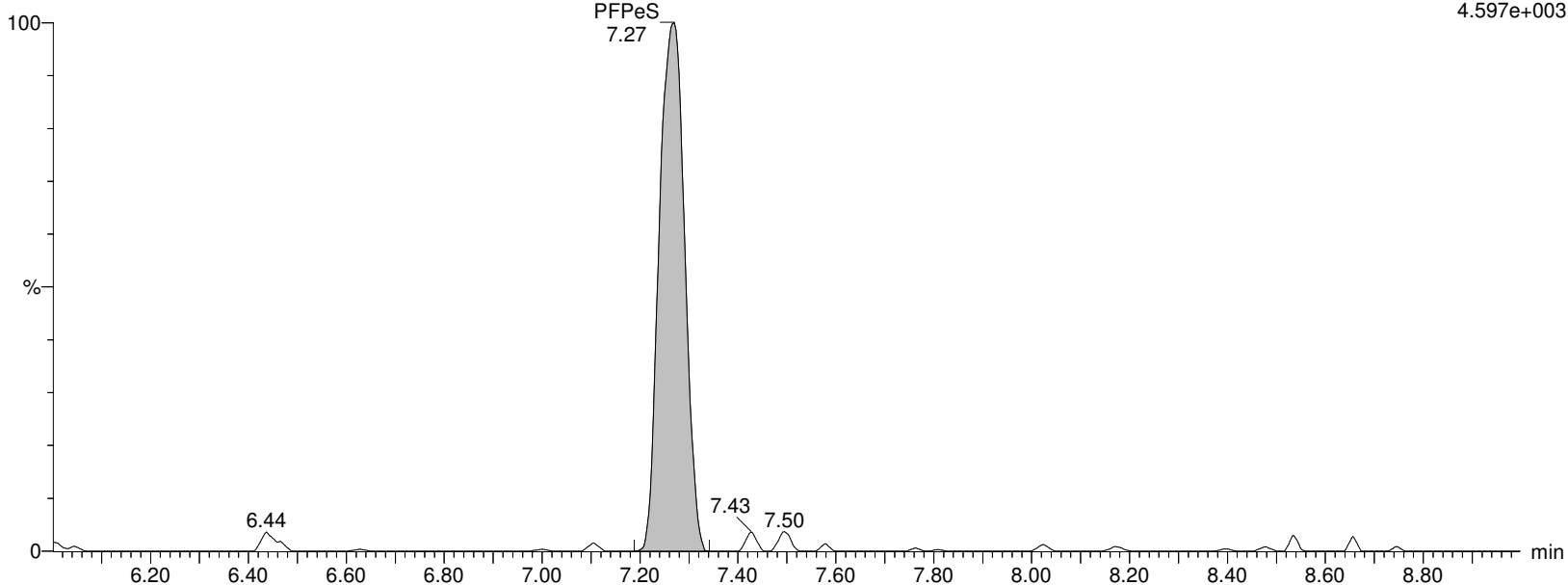
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F14:MRM of 2 channels, ES-

348.926 > 99.16

4.597e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

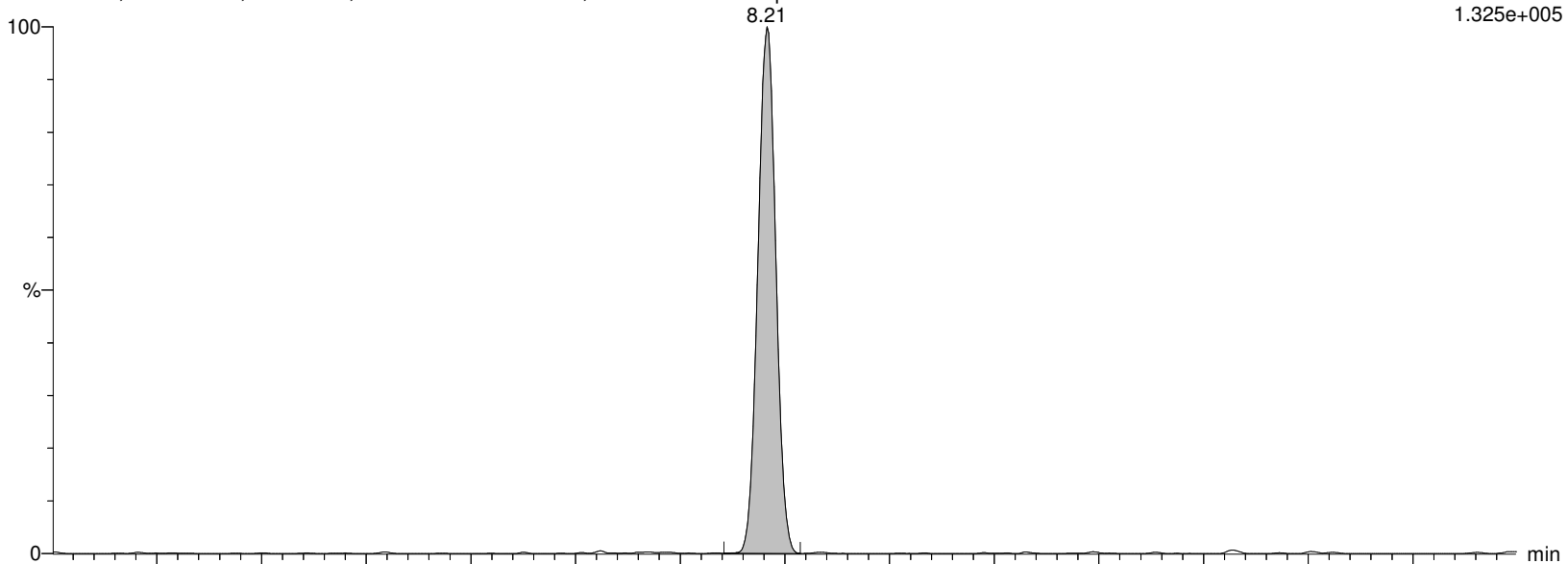
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F15:MRM of 2 channels, ES-

362.926 > 319.014

1.325e+005



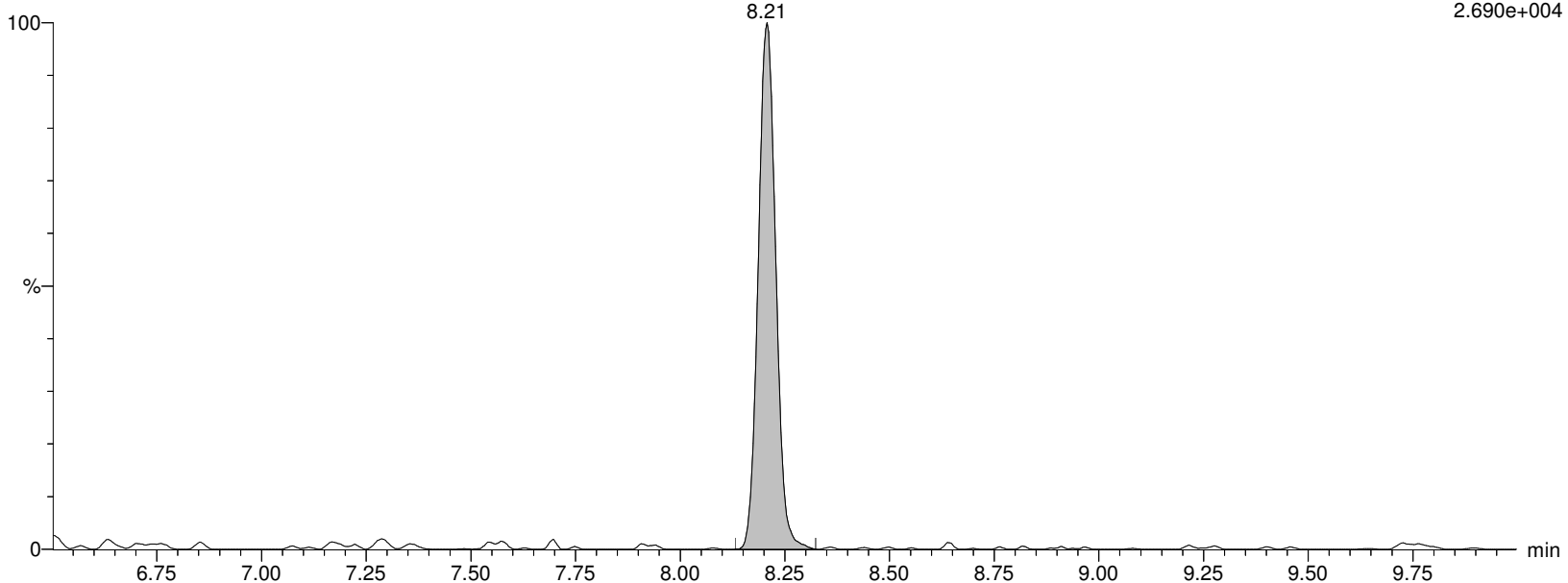
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F15:MRM of 2 channels, ES-

362.926 > 169.12

2.690e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

I18671 Smooth(Mn,2x3)

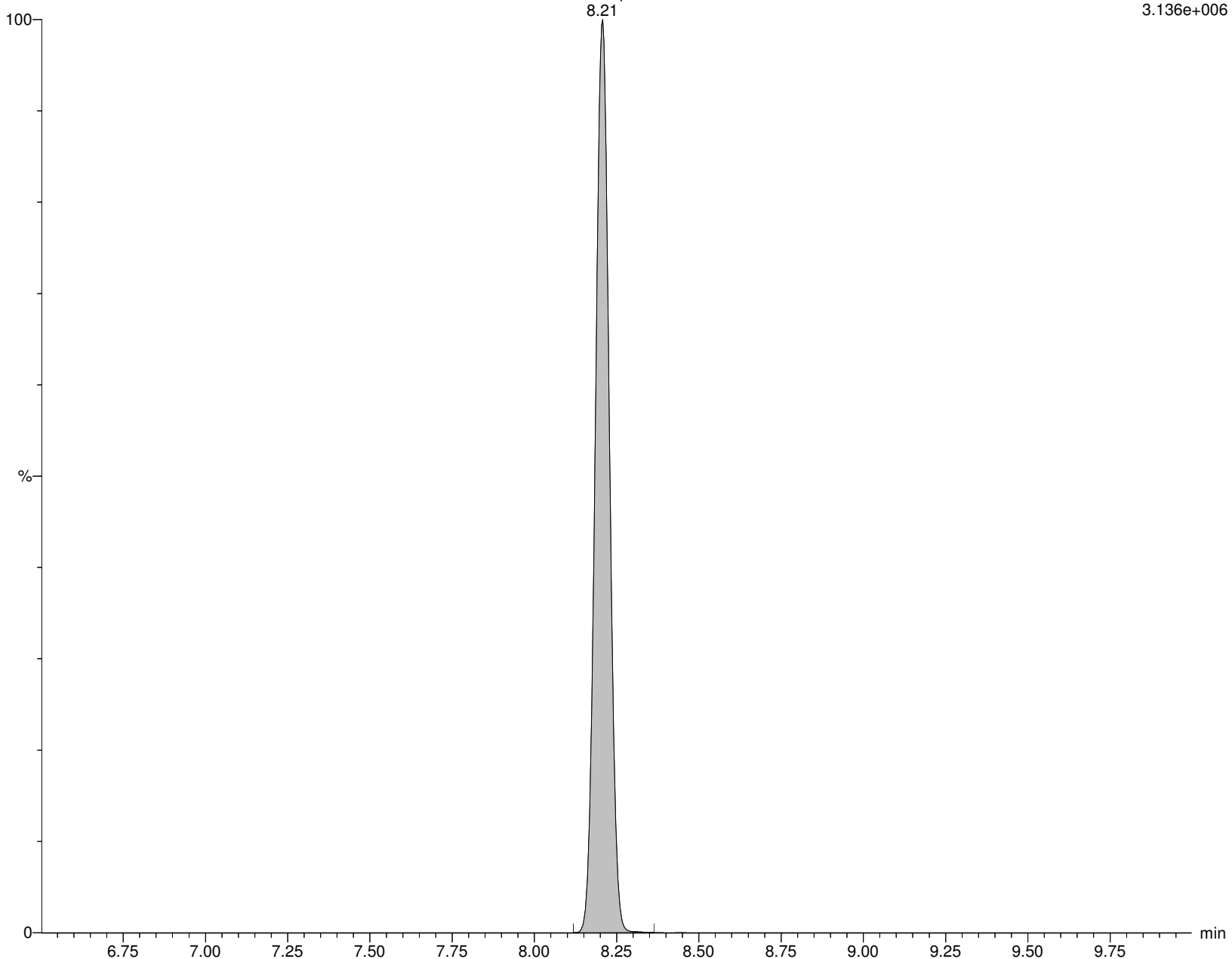
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

M4PFHpA

F16:MRM of 1 channel,ES-

366.926 > 321.979

3.136e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

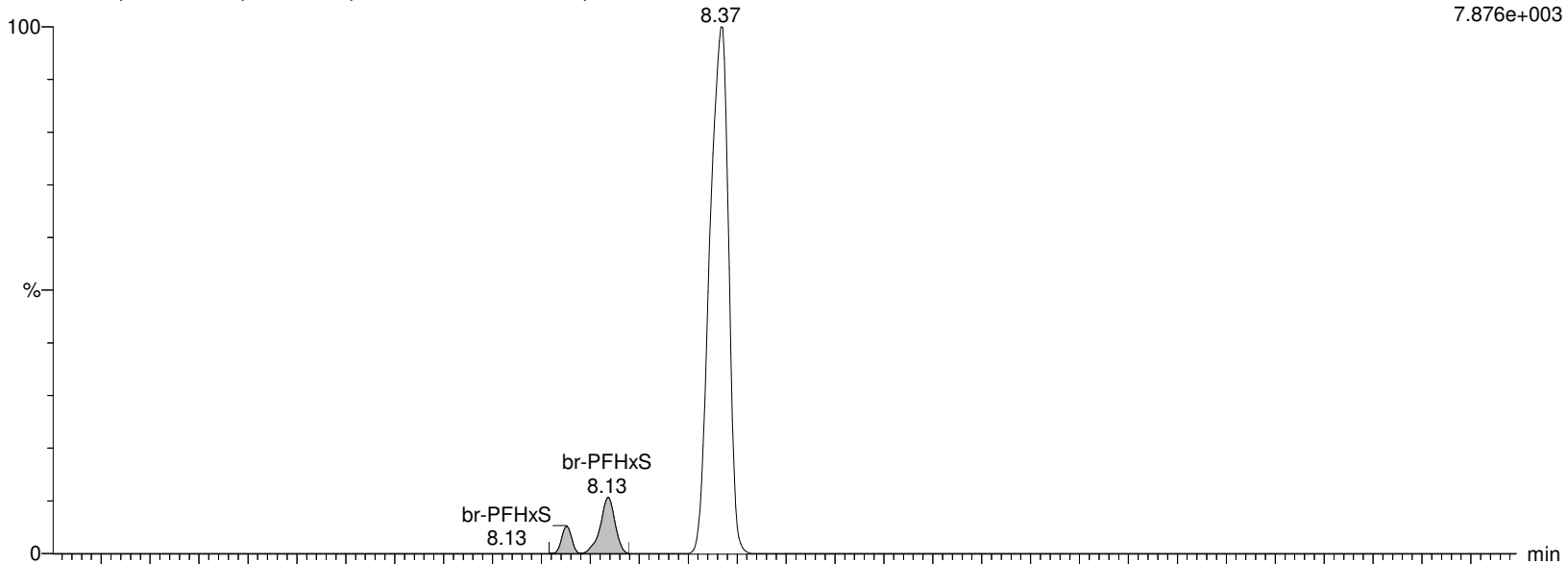
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

7.876e+003



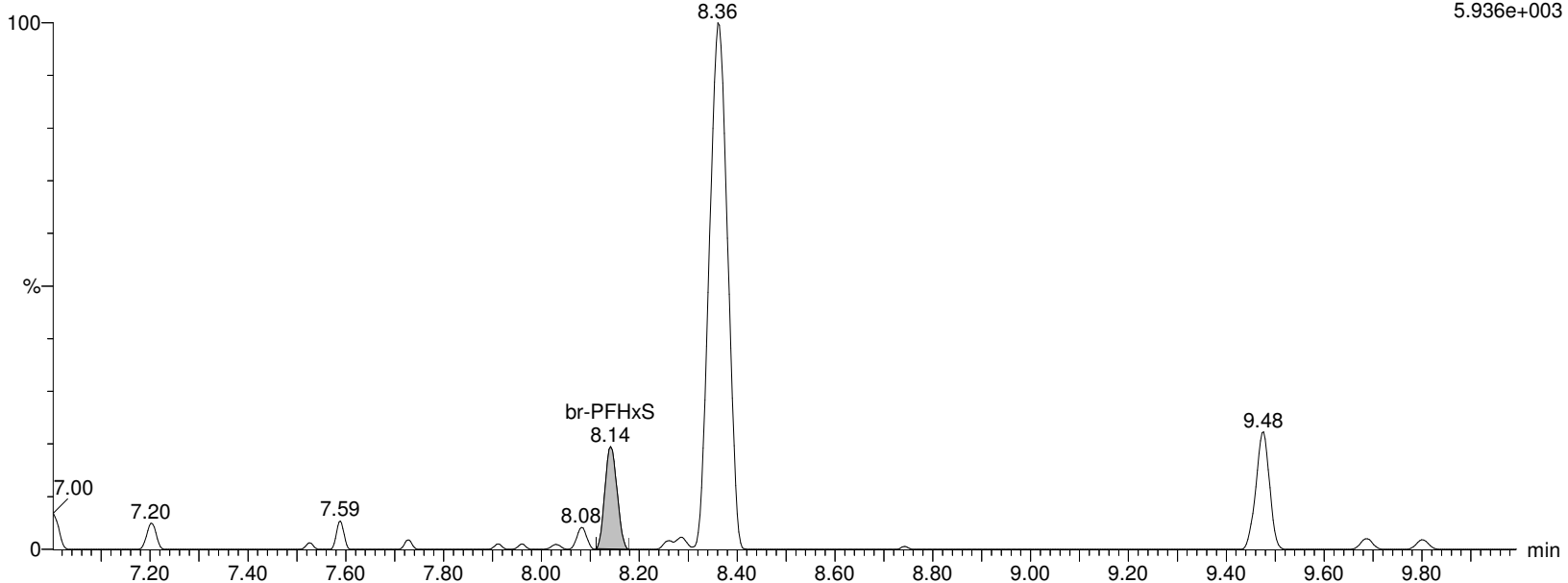
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

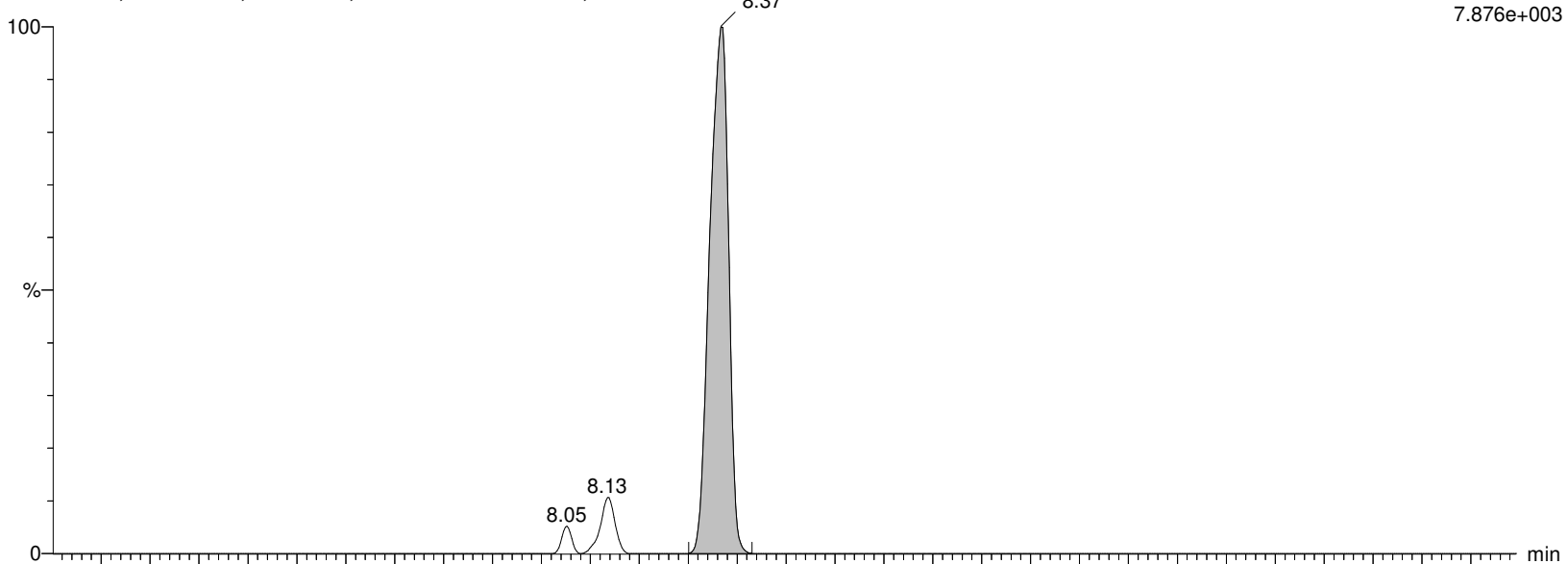
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

7.876e+003



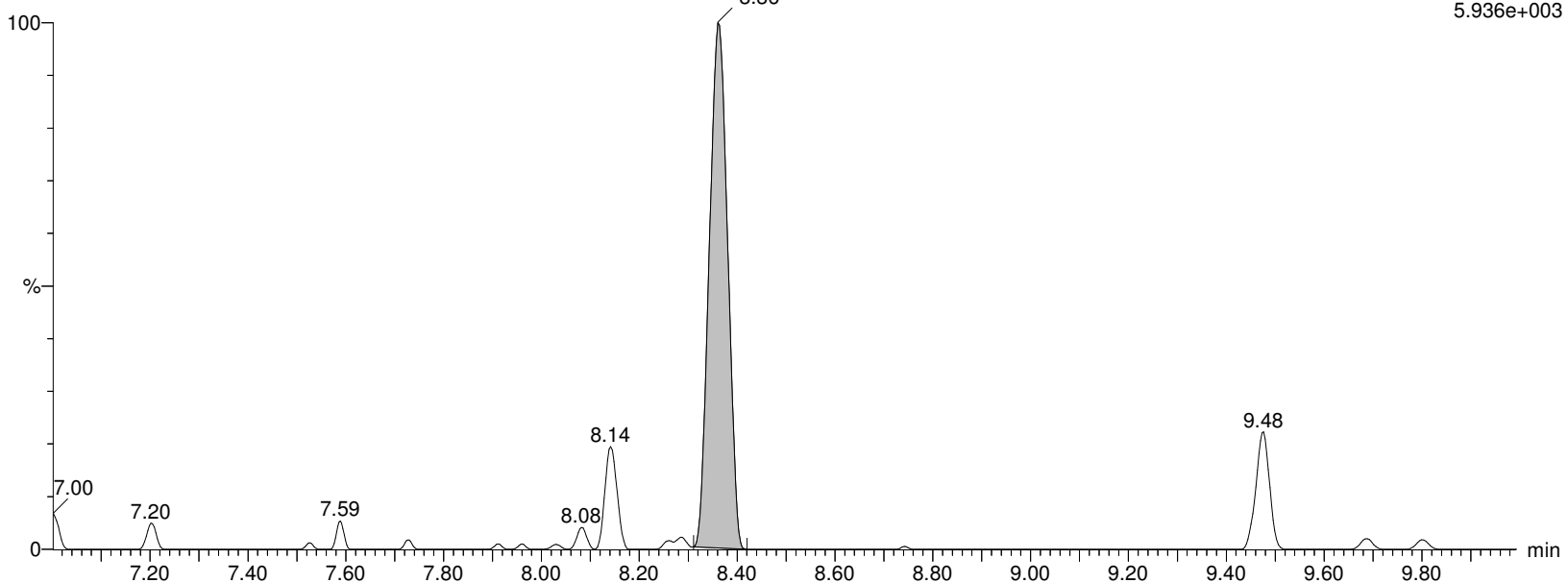
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxS**

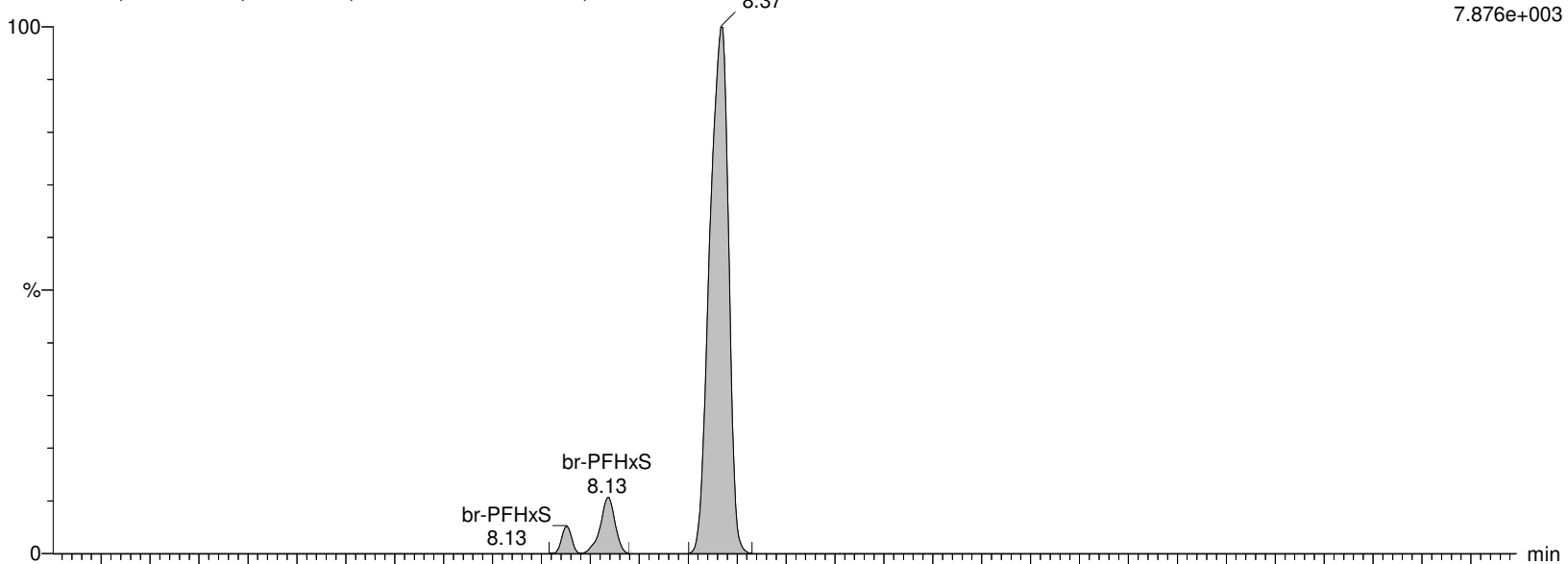
I18671 Smooth(Mn,3x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F18:MRM of 2 channels,ES-

398.926 > 80.295

7.876e+003



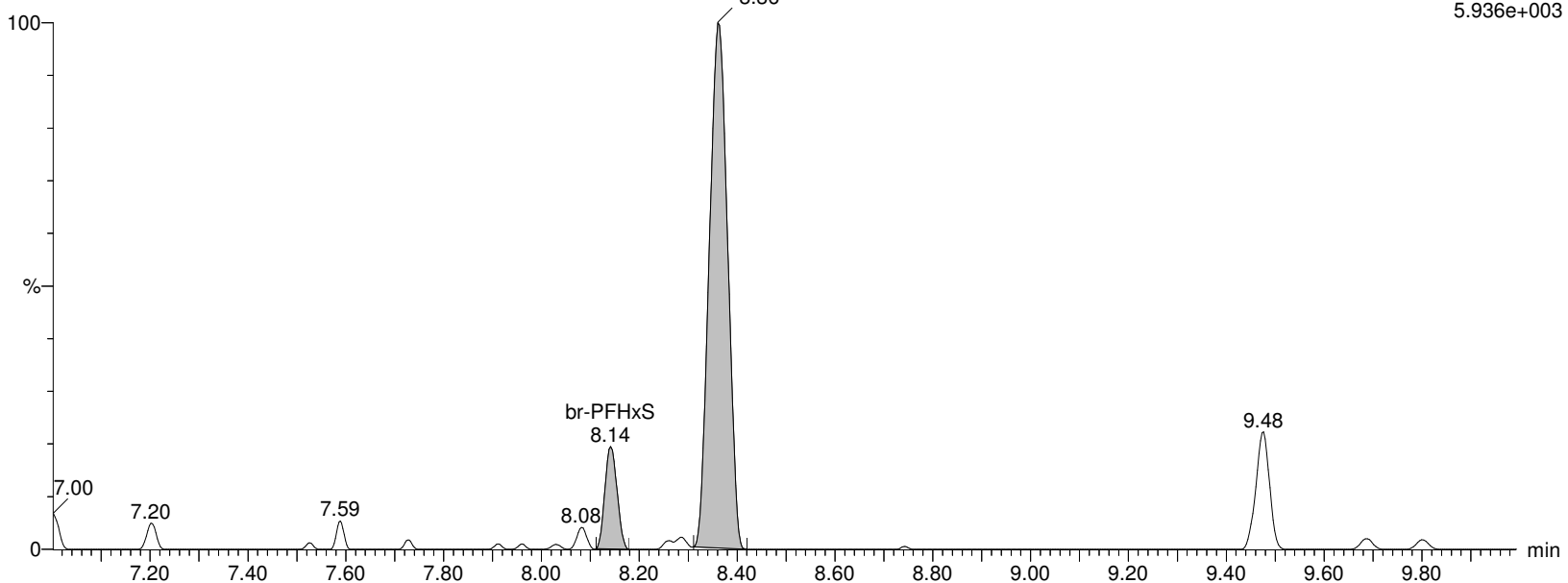
I18671 Smooth(Mn,3x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F18:MRM of 2 channels,ES-

398.926 > 99.2

5.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

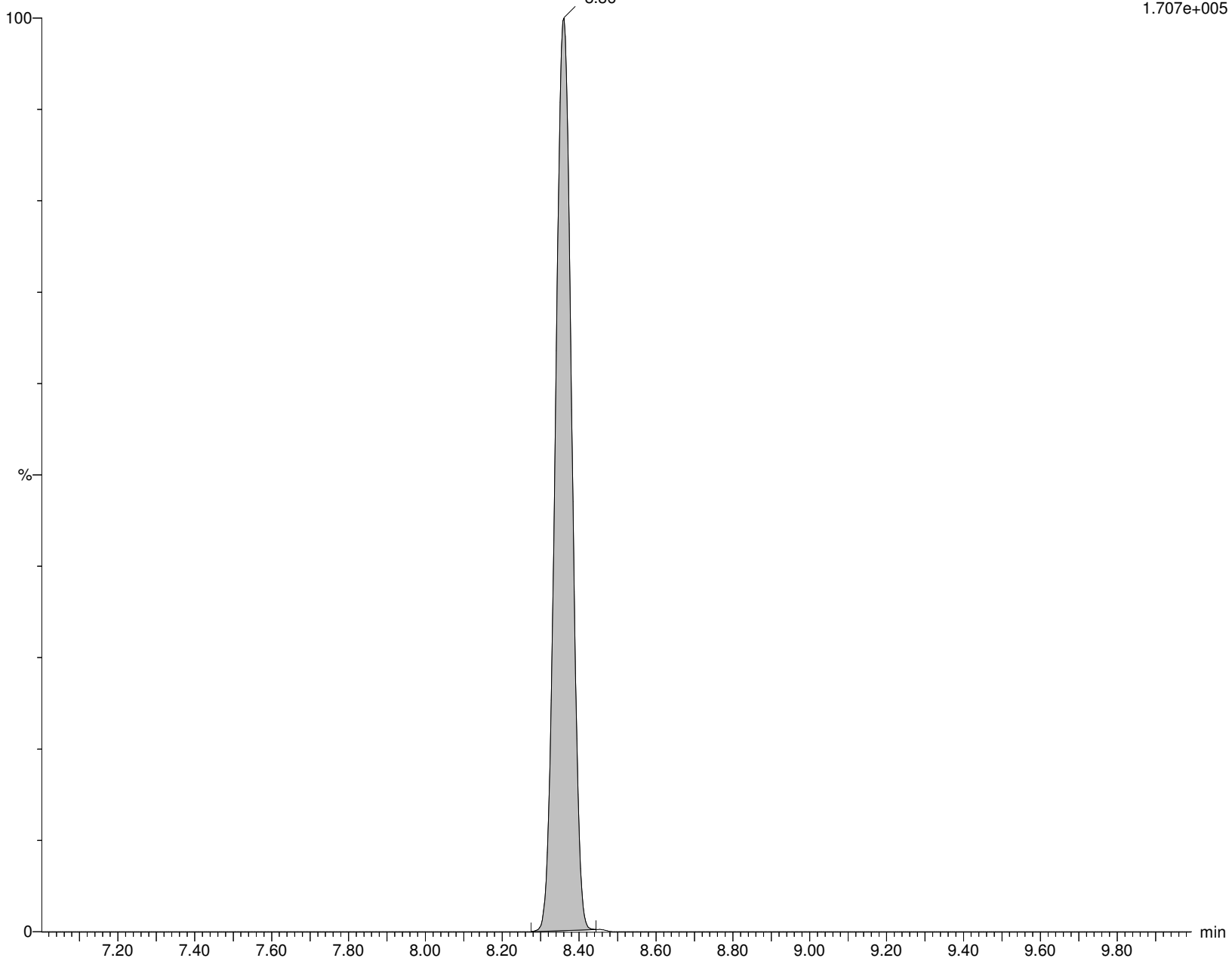
Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

M3PFHxS
8.36F19:MRM of 1 channel, ES-
401.926 > 80.317
1.707e+005

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

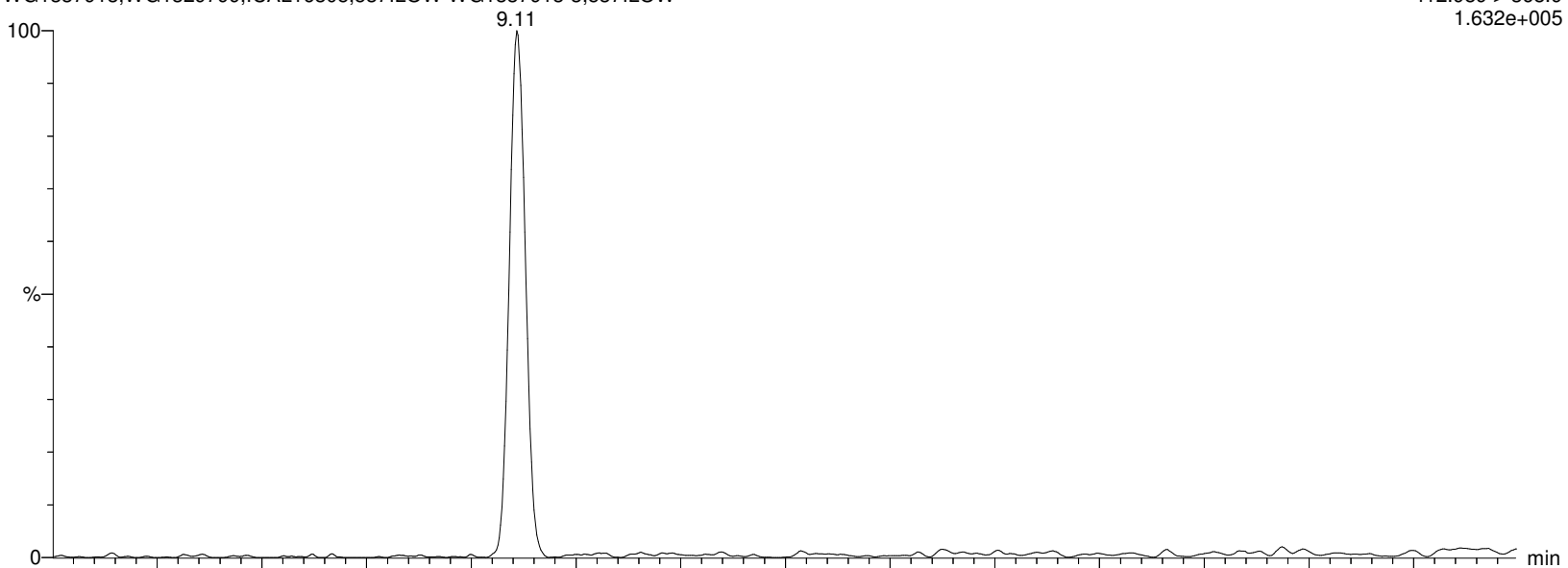
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.632e+005



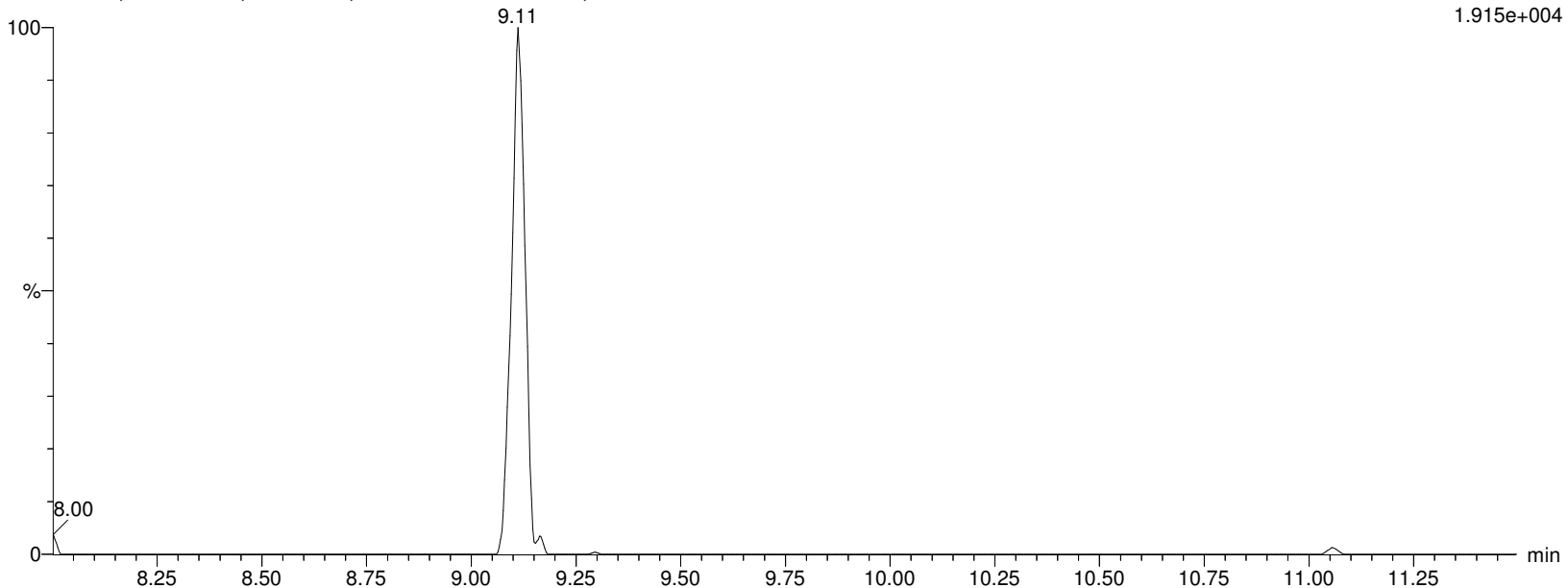
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.915e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

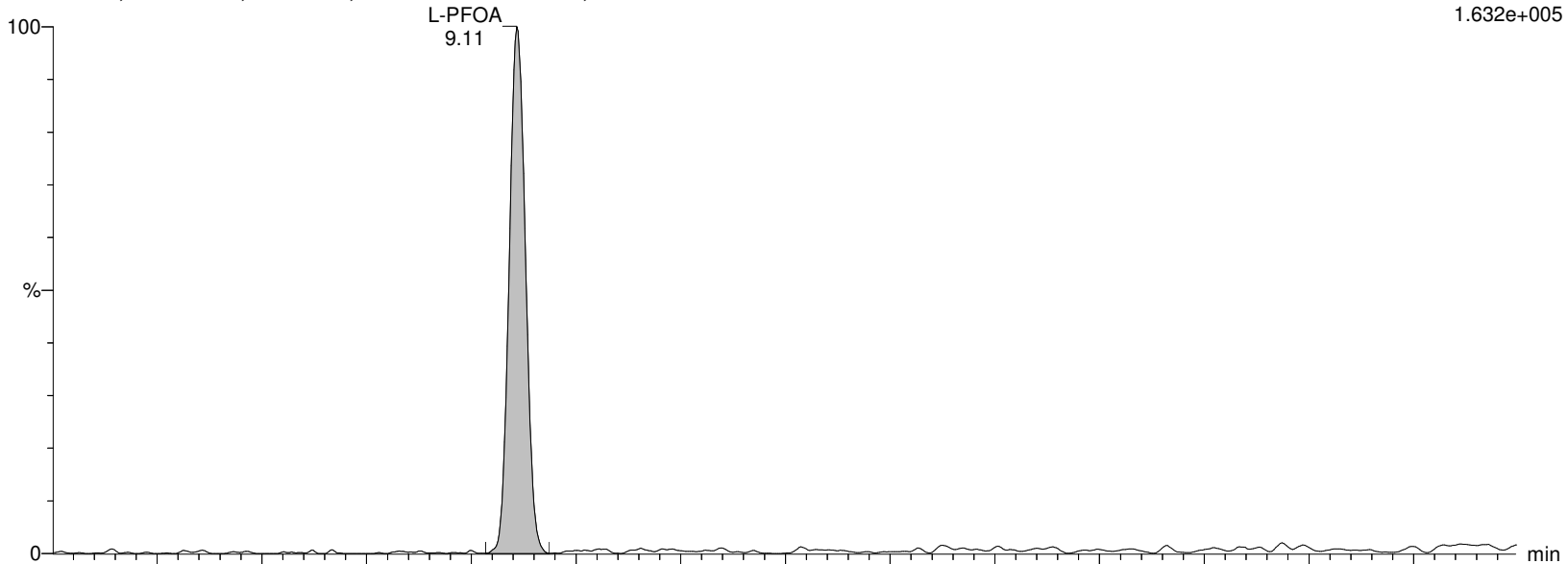
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.632e+005



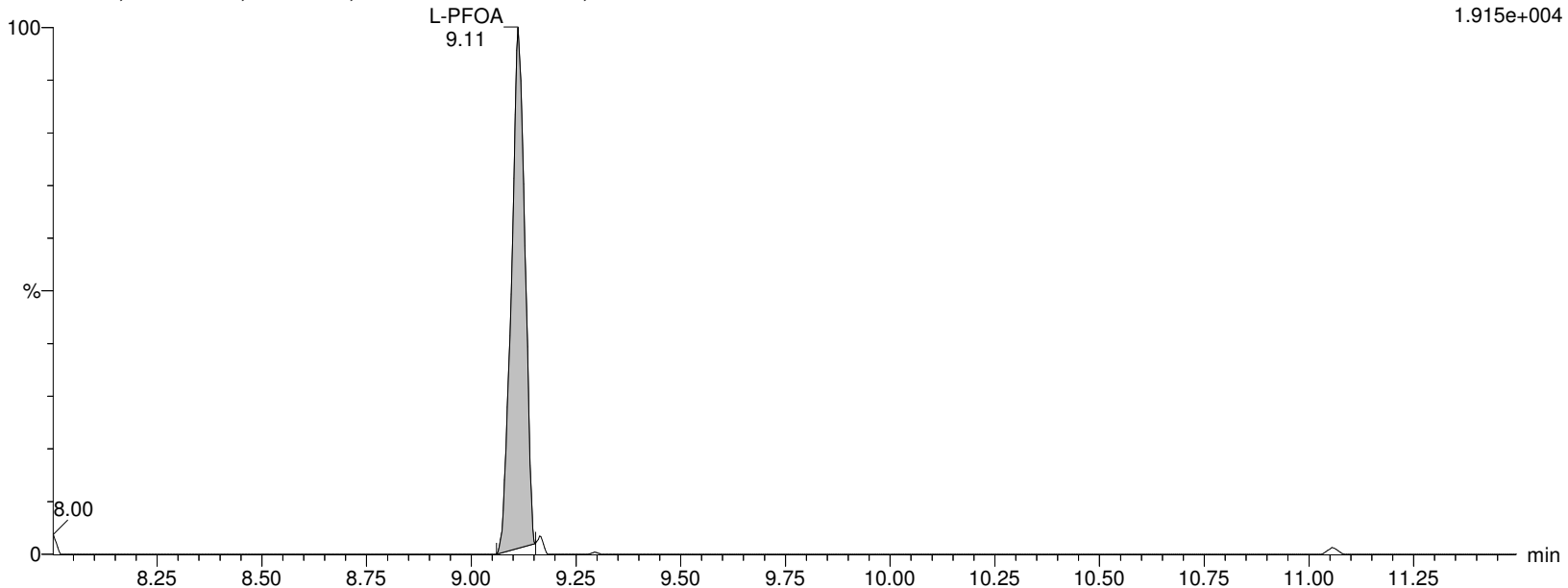
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.915e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

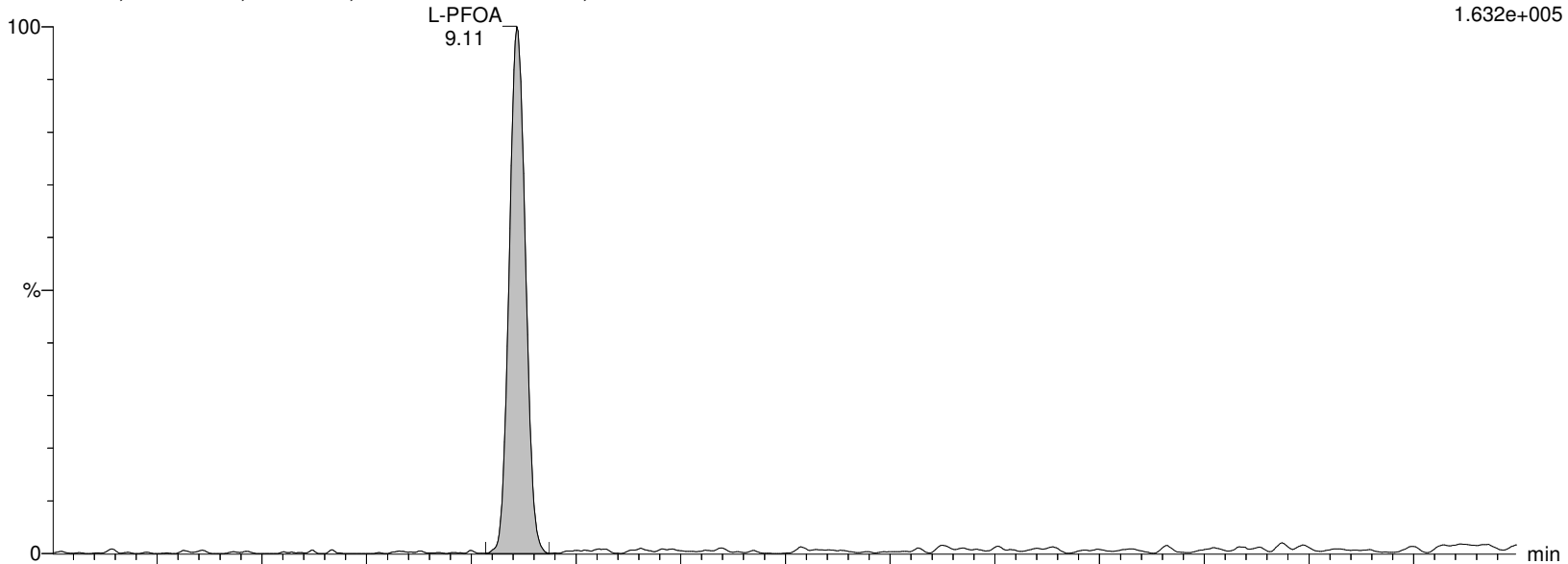
I18671 Smooth(Mn,2x2)

F20:MRM of 2 channels,ES-

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

412.989 > 368.9

1.632e+005



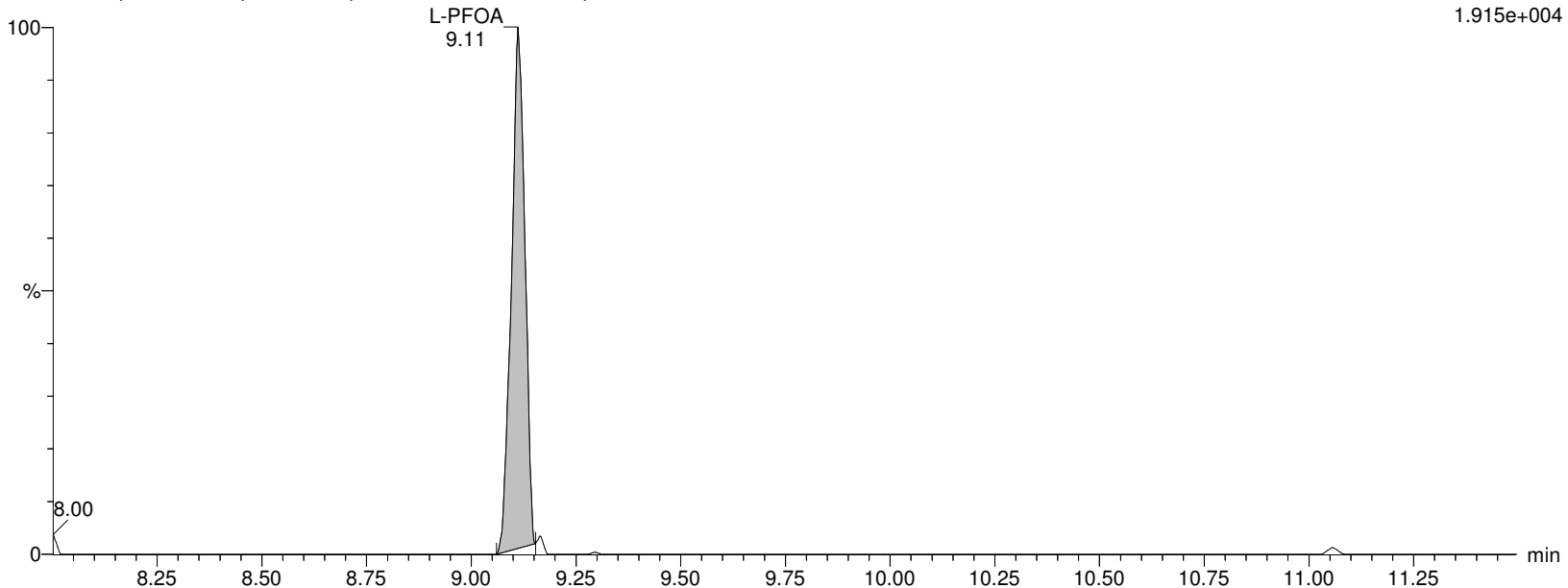
I18671 Smooth(Mn,2x2)

F20:MRM of 2 channels,ES-

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

412.989 > 219.08

1.915e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

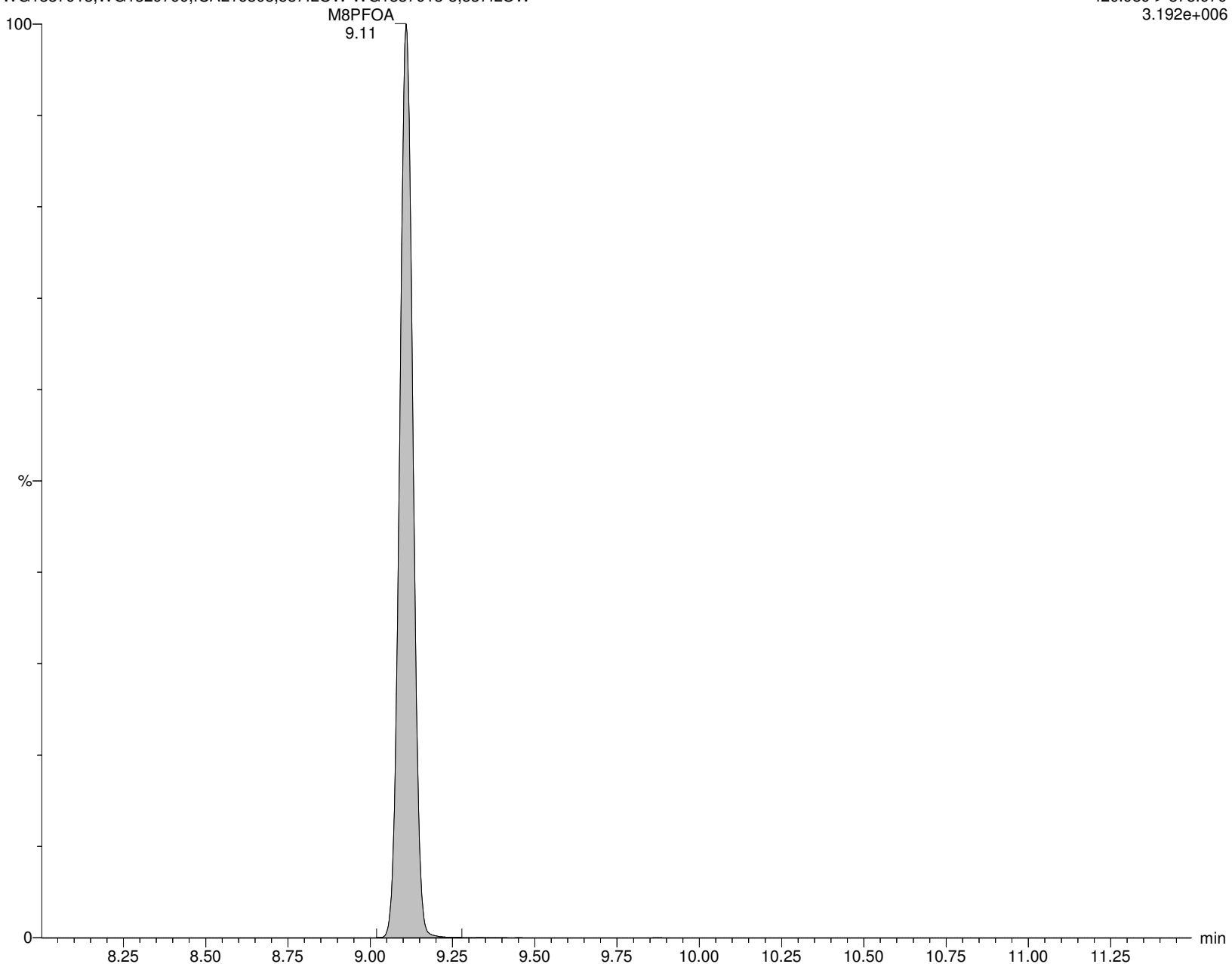
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F22:MRM of 1 channel, ES-

420.989 > 375.979

3.192e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFOA

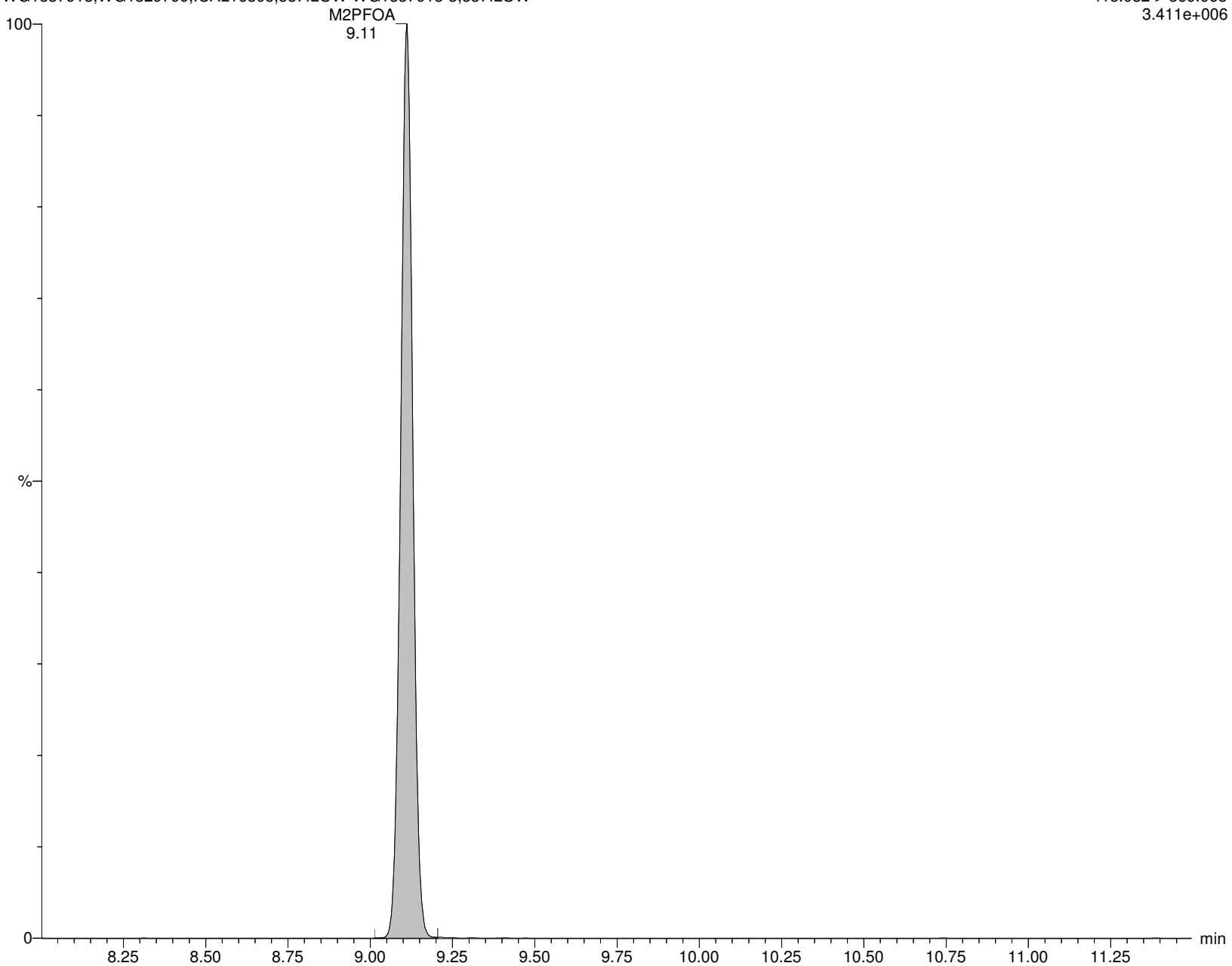
I18671 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F21:MRM of 1 channel,ES-

415.032 > 369.968

3.411e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

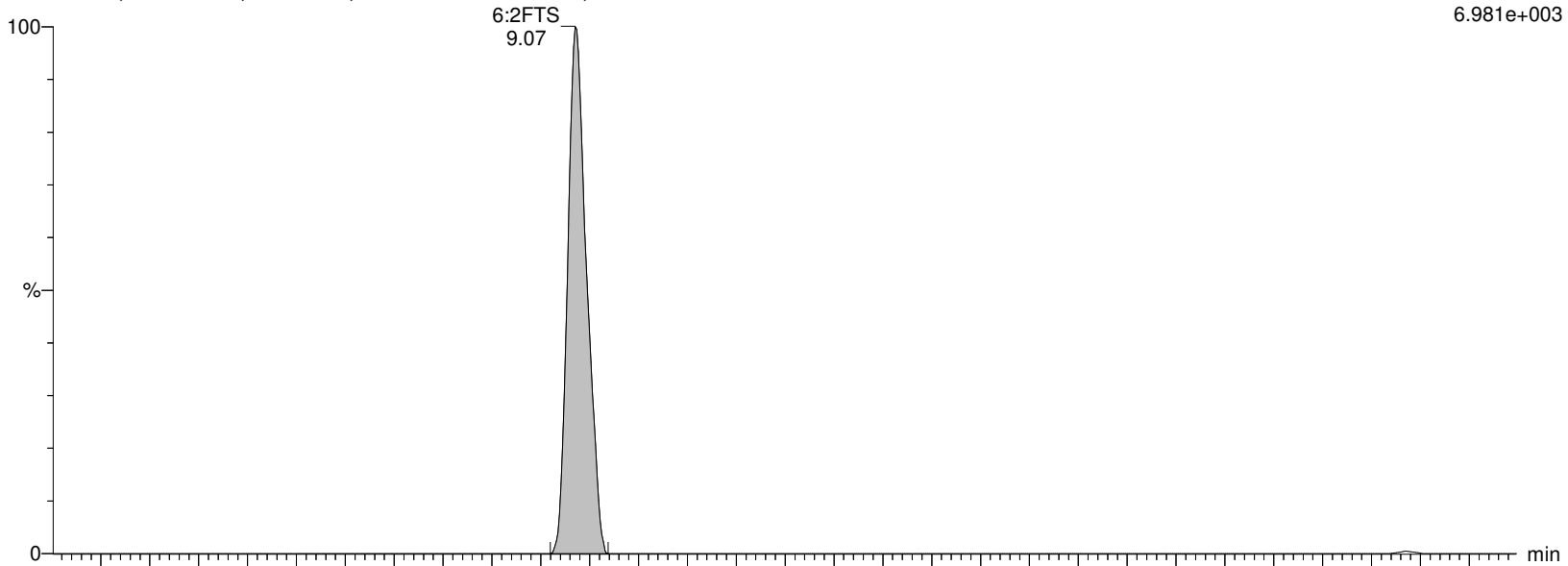
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F23:MRM of 3 channels, ES-

426.989 > 406.921

6.981e+003



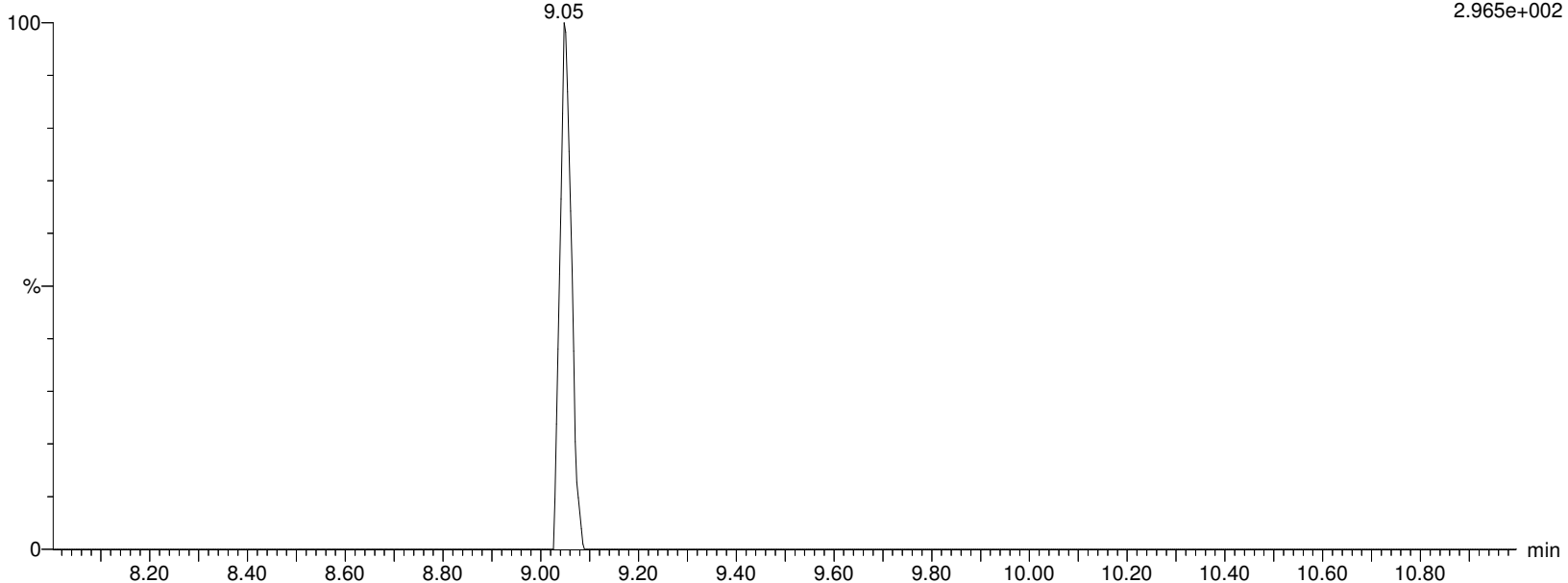
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F23:MRM of 3 channels, ES-

426.862 > 80.5

2.965e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

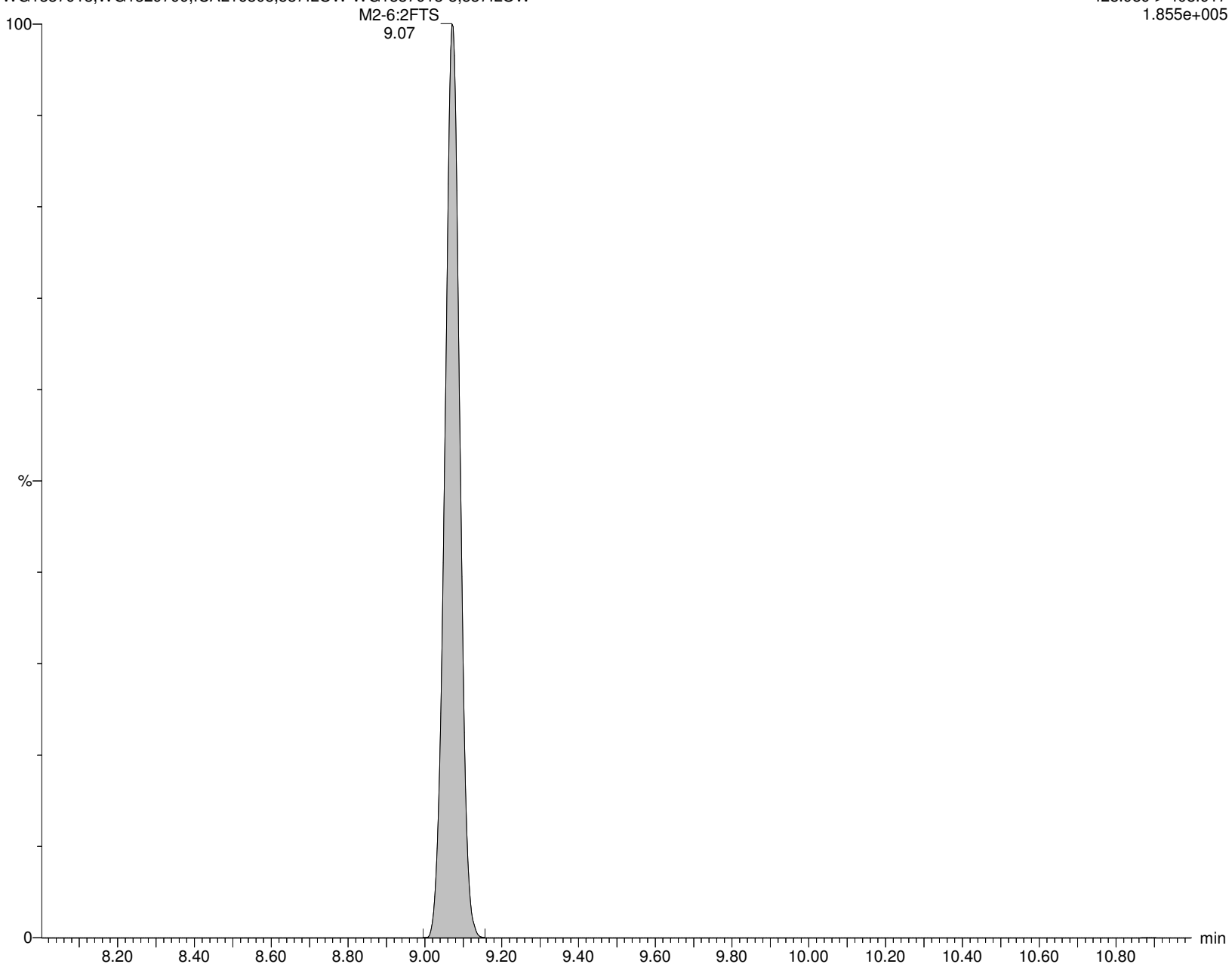
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.855e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

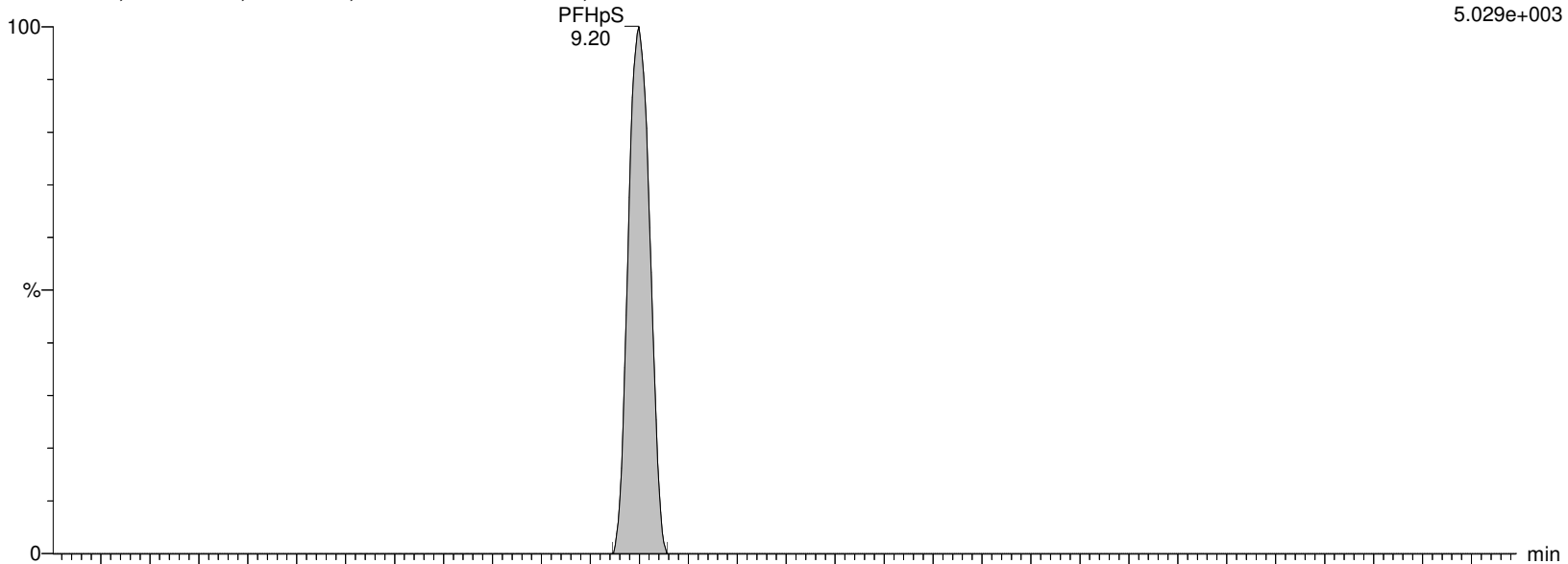
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F25:MRM of 2 channels, ES-

448.926 > 80.257

5.029e+003



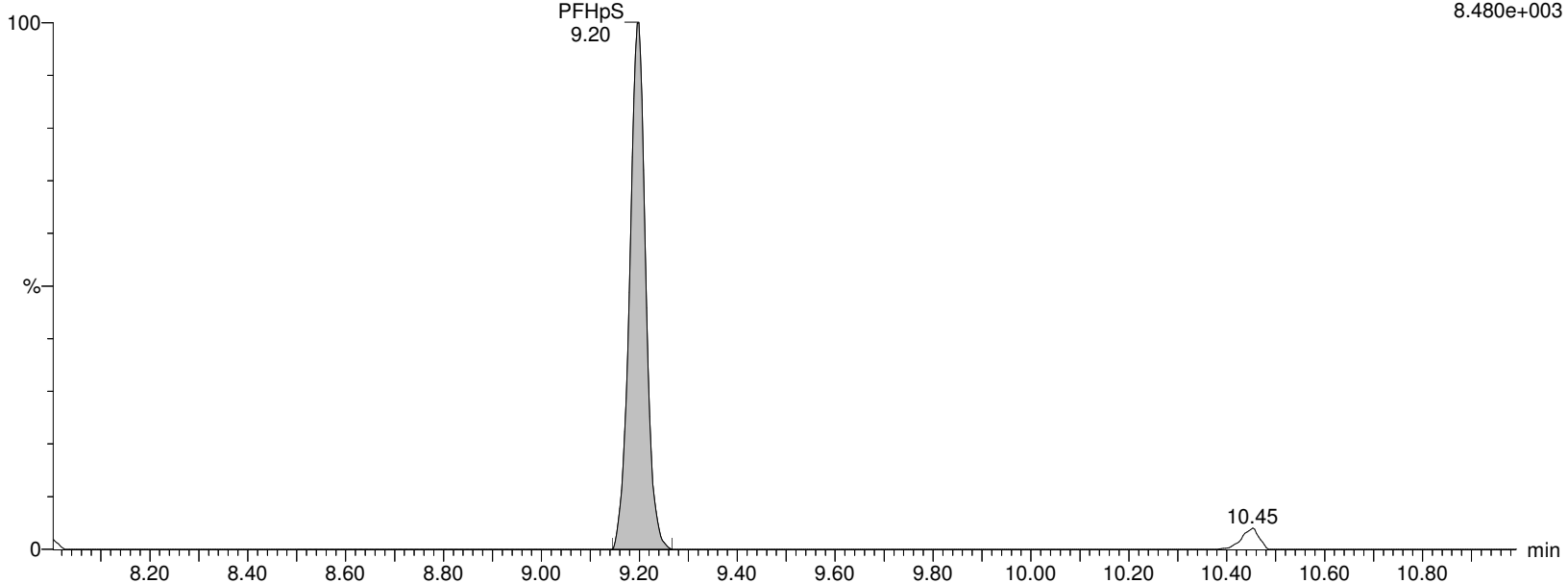
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F25:MRM of 2 channels, ES-

448.926 > 99.22

8.480e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

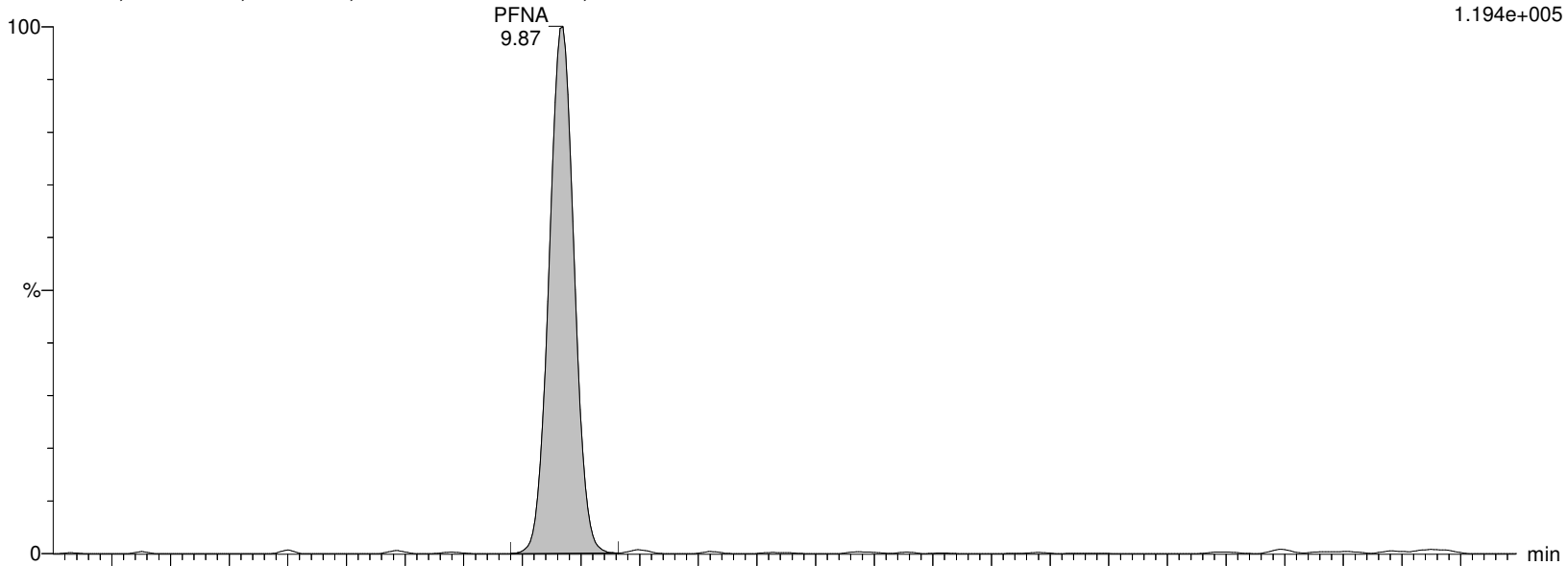
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F26:MRM of 2 channels, ES-

462.989 > 418.931

1.194e+005



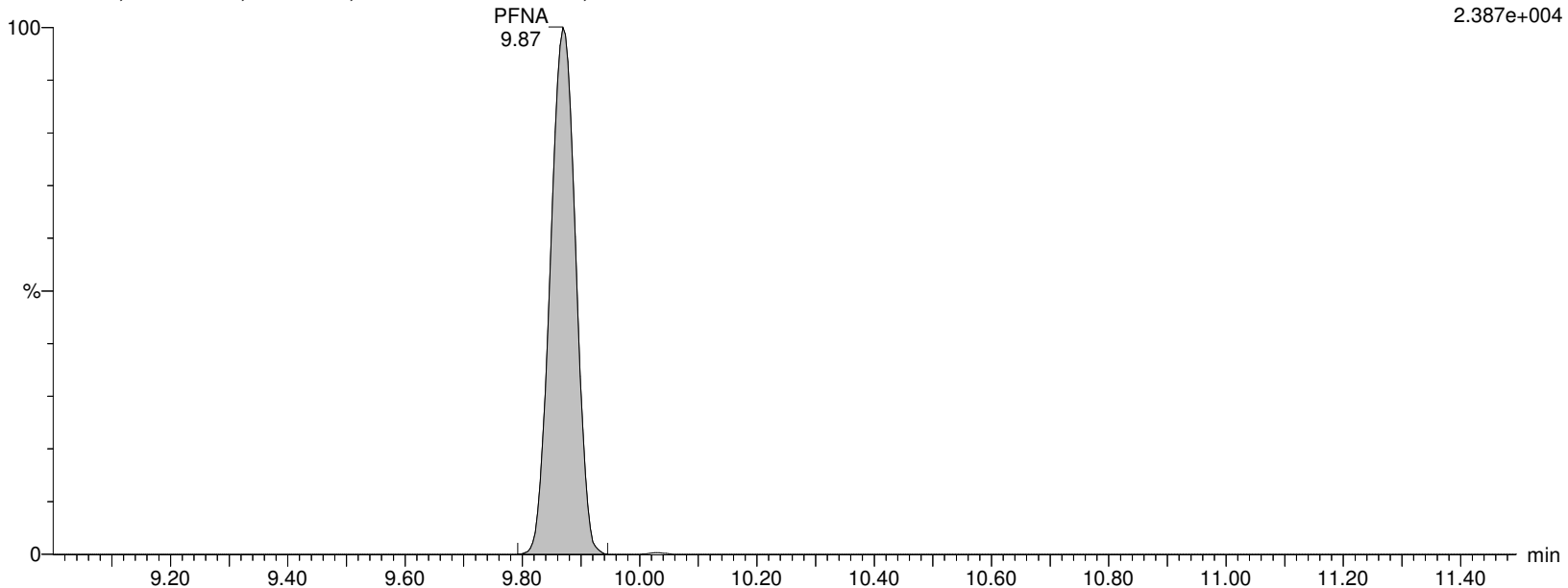
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F26:MRM of 2 channels, ES-

462.989 > 219.04

2.387e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

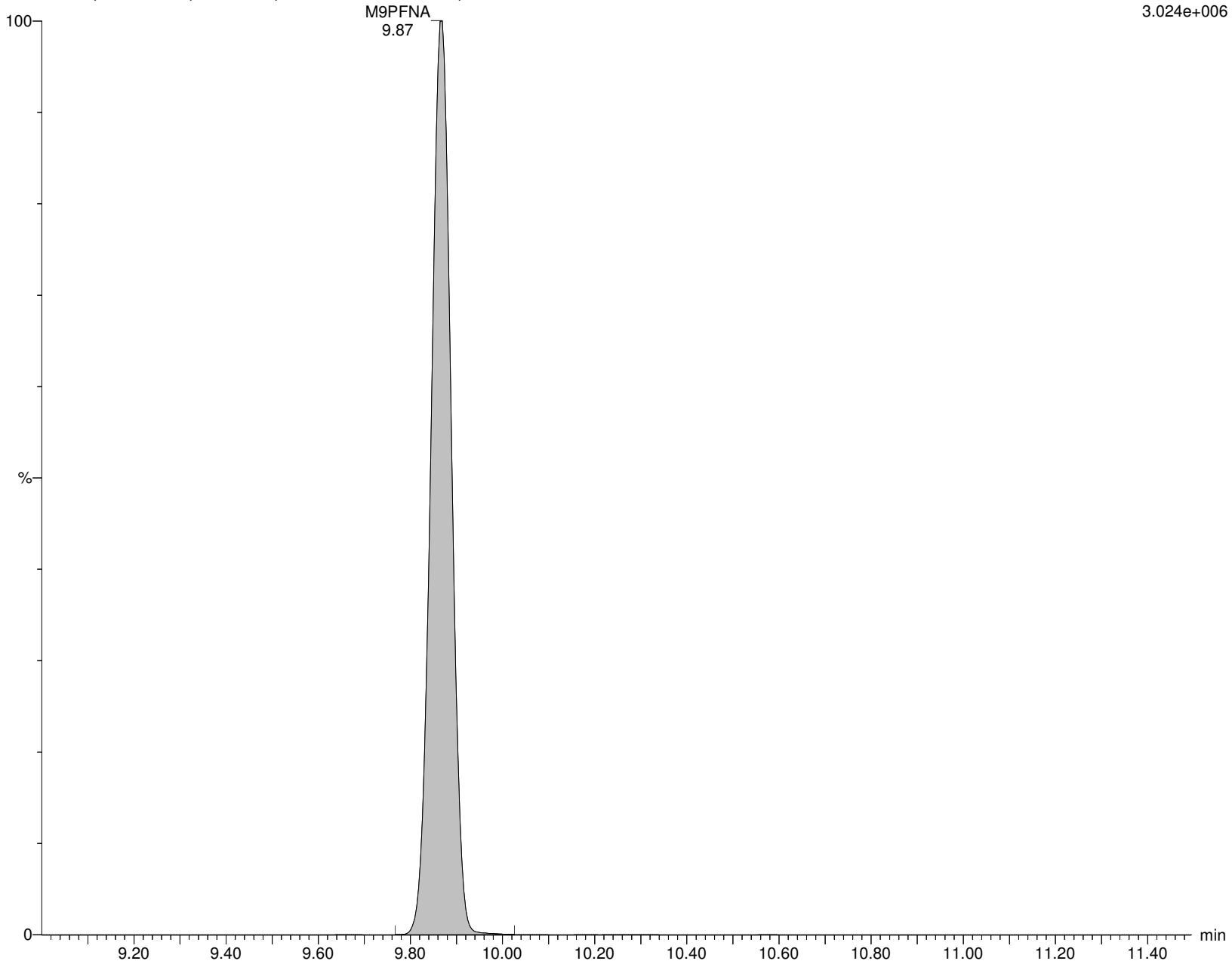
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F27:MRM of 1 channel, ES-

472.053 > 426.947

3.024e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

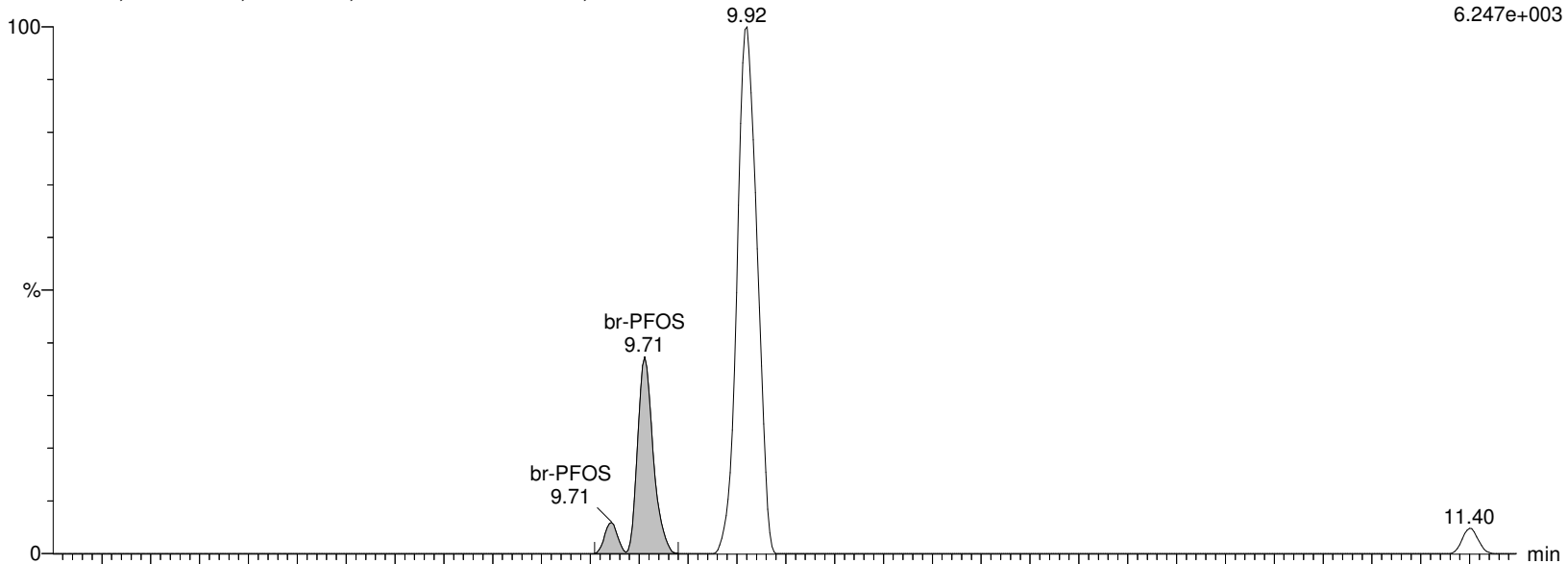
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 80.294

6.247e+003



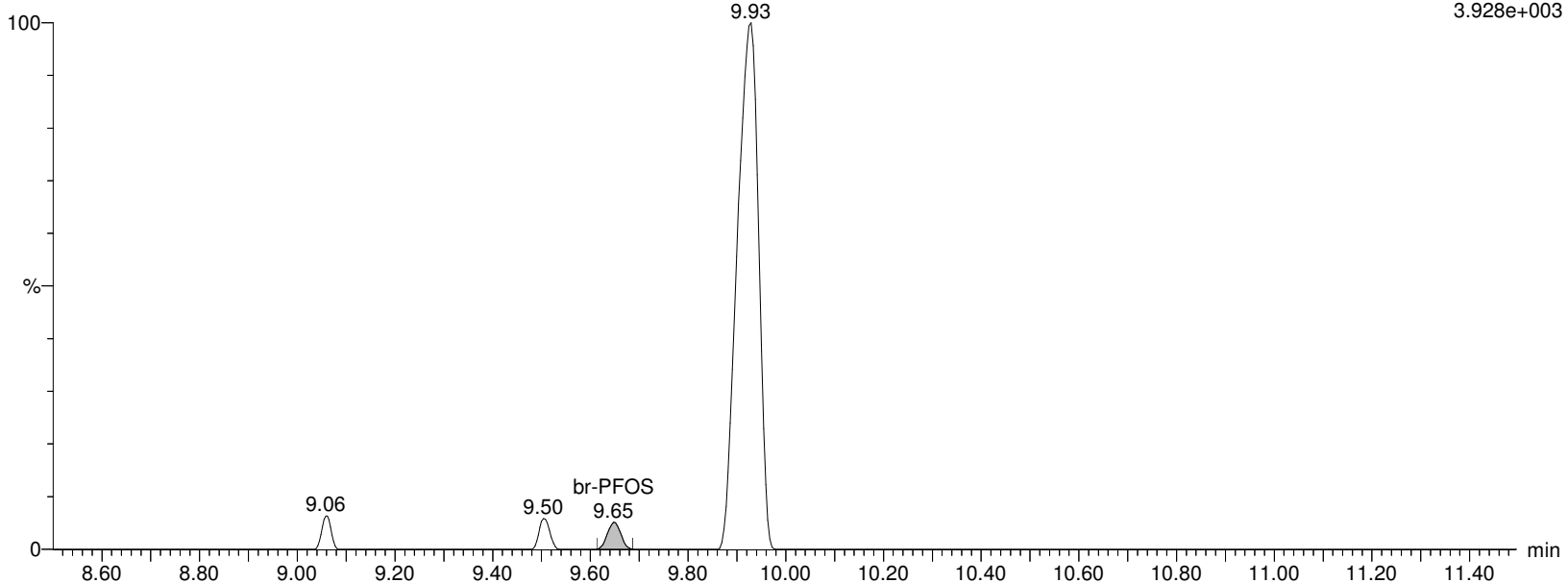
I18671 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.928e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

I18671 Smooth(Mn,3x2)

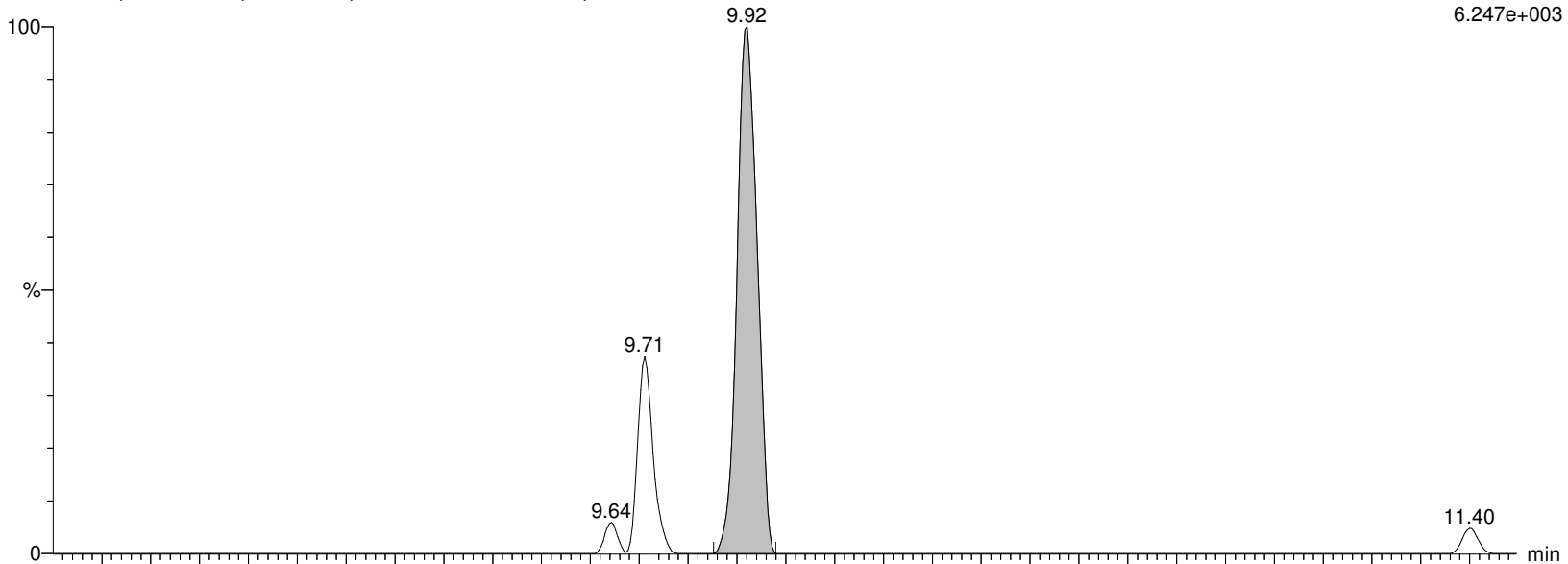
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

6.247e+003



I18671 Smooth(Mn,3x2)

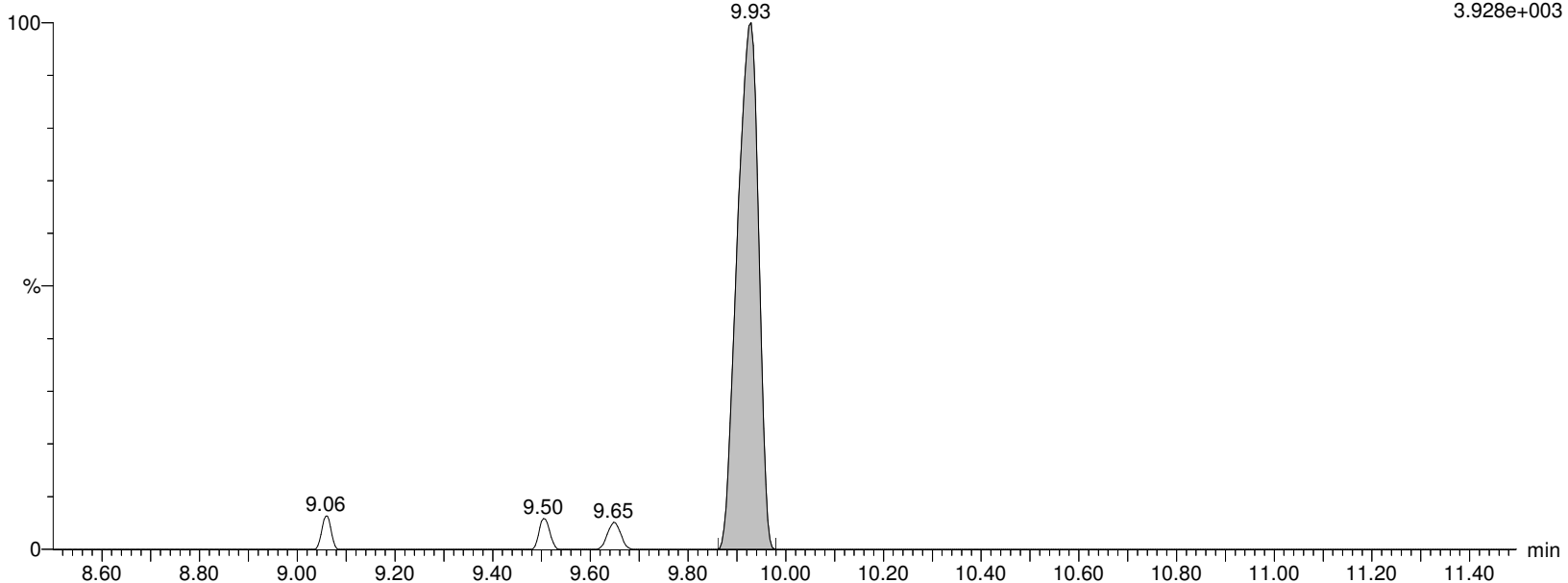
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.928e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

I18671 Smooth(Mn,3x2)

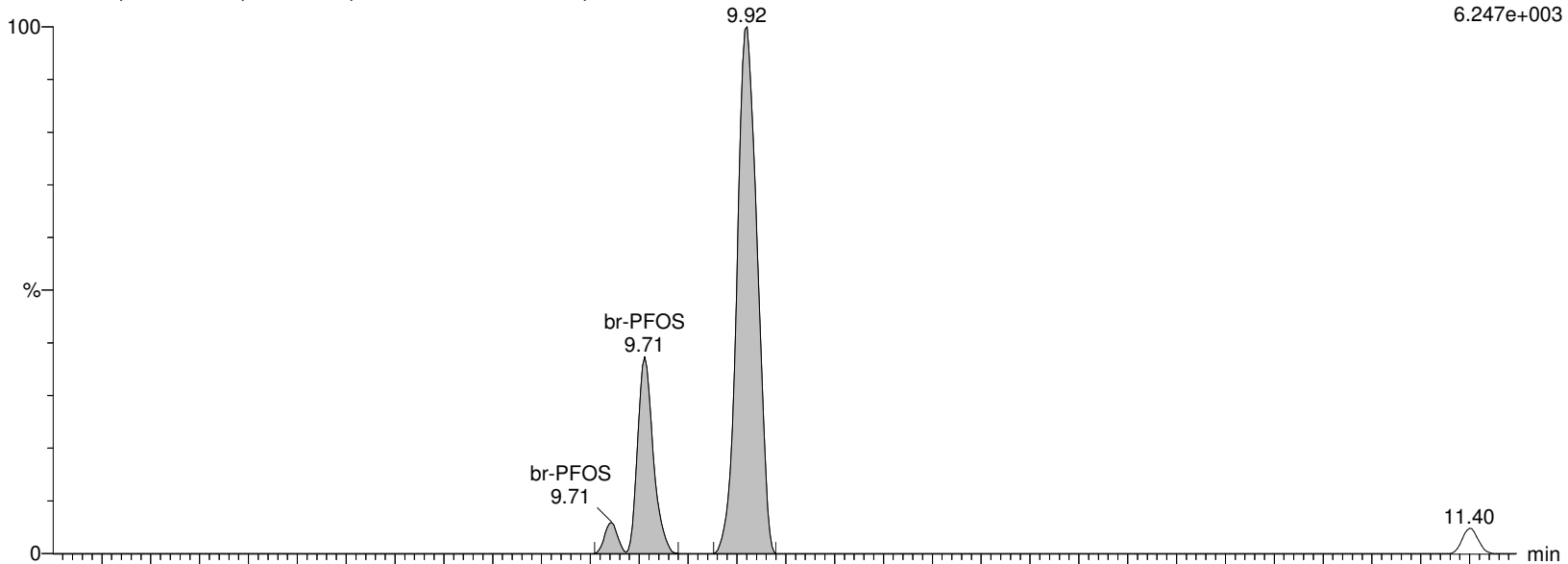
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

6.247e+003



I18671 Smooth(Mn,3x2)

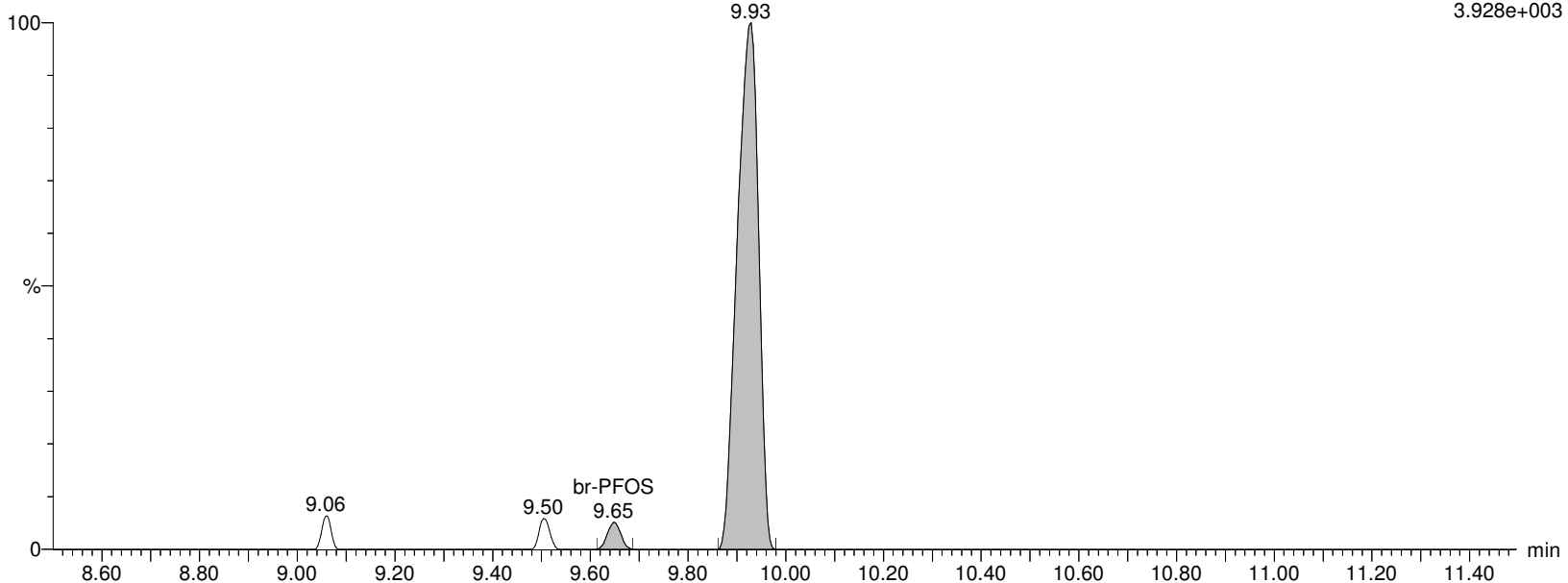
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.928e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

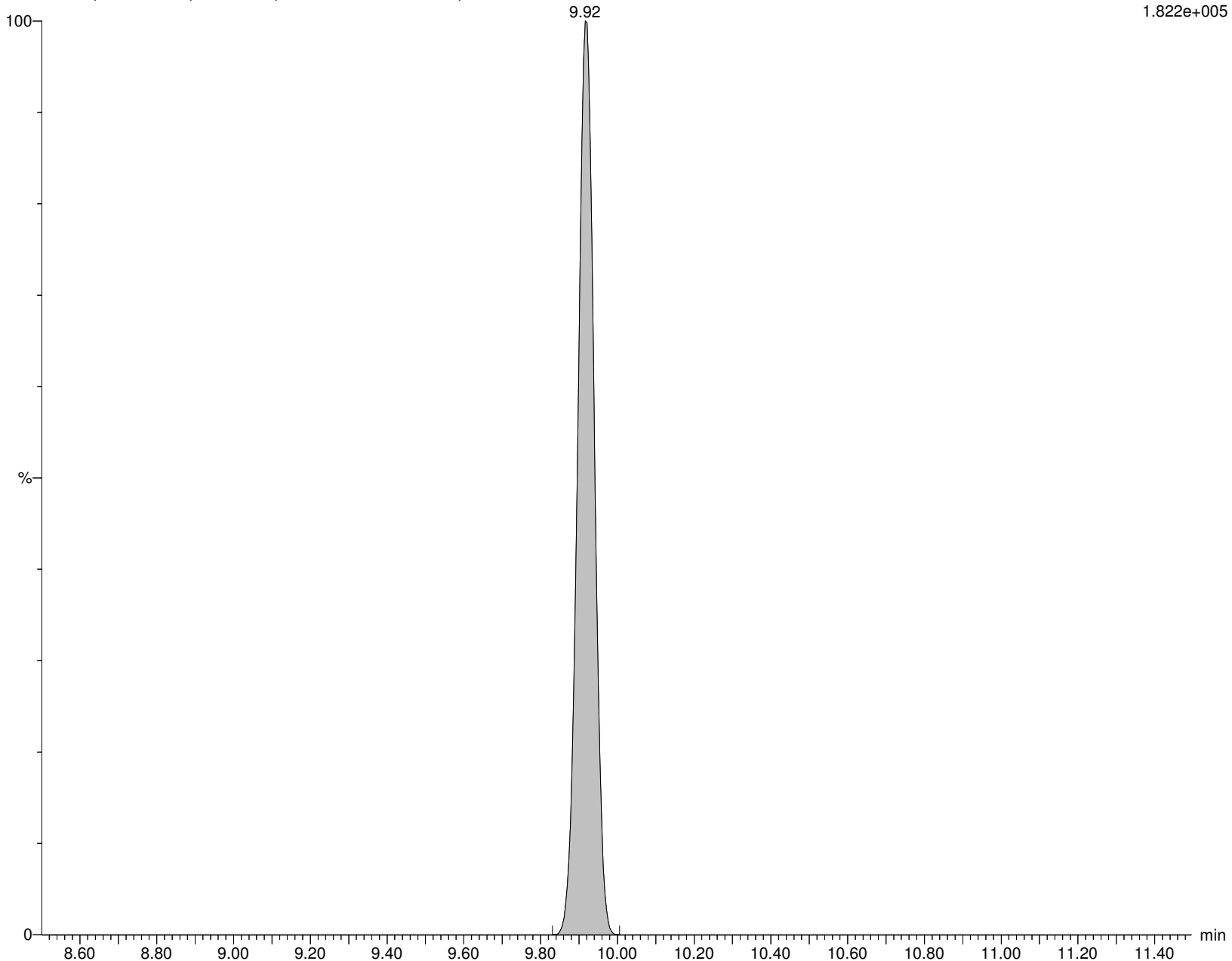
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW M4PFOS

F30:MRM of 1 channel,ES-

503.032 > 80.306

1.822e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

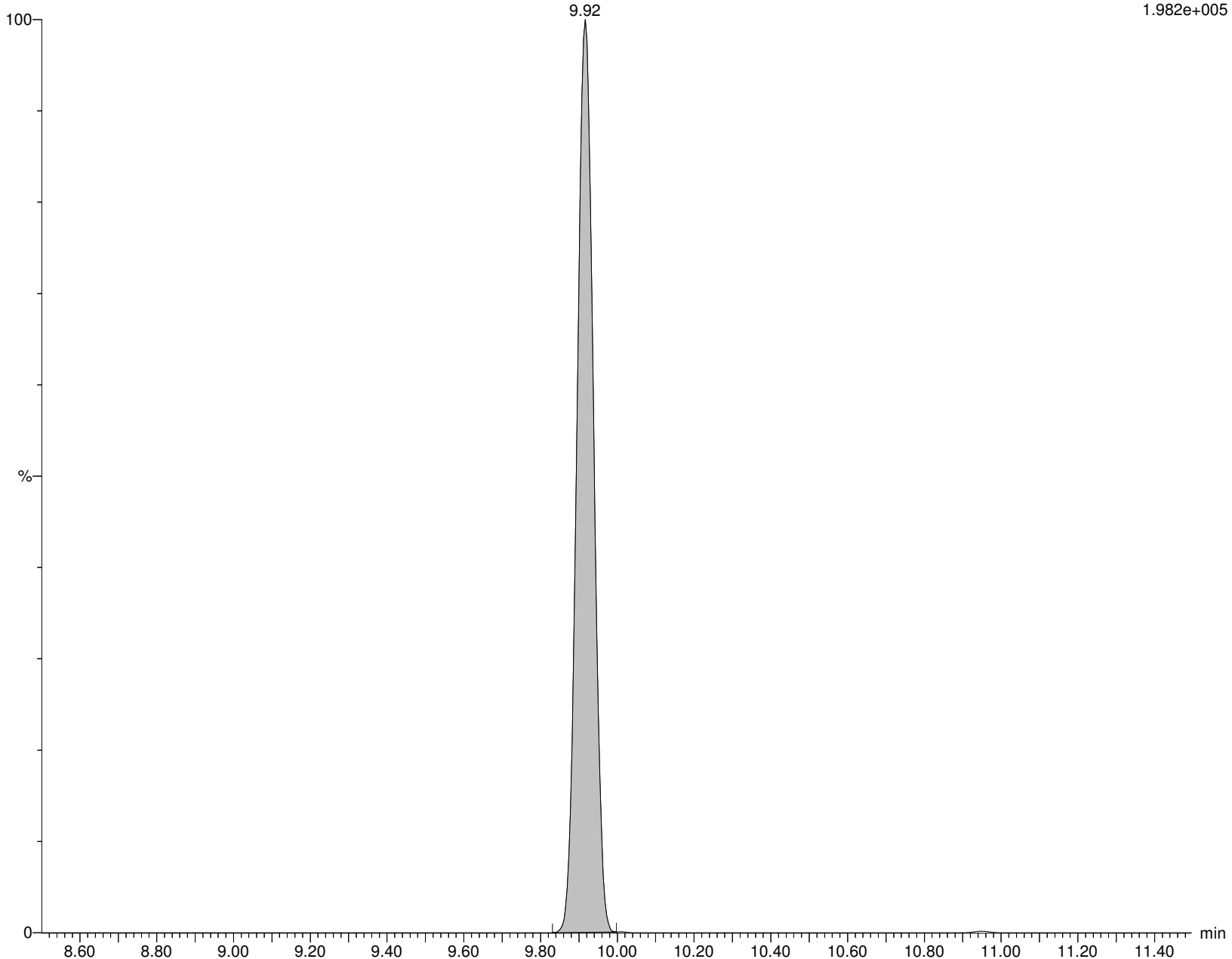
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW M8PFOS

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.982e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

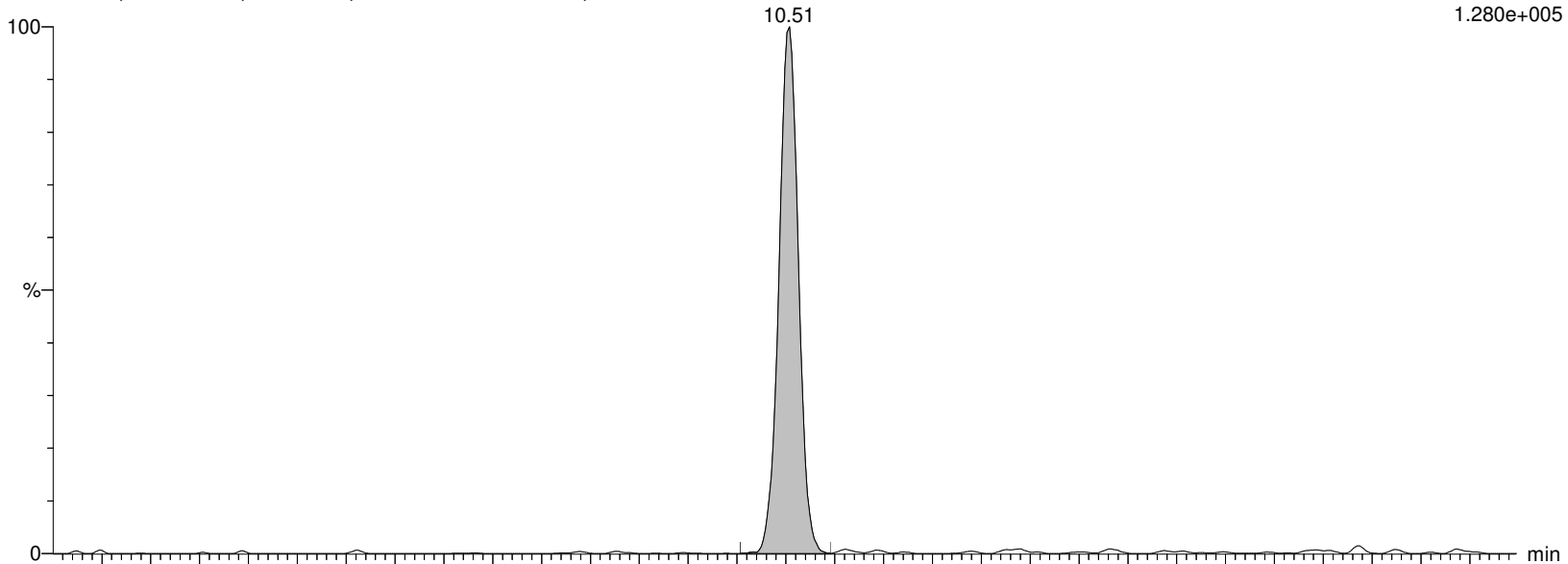
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F34:MRM of 2 channels, ES-

513.053 > 468.906

1.280e+005



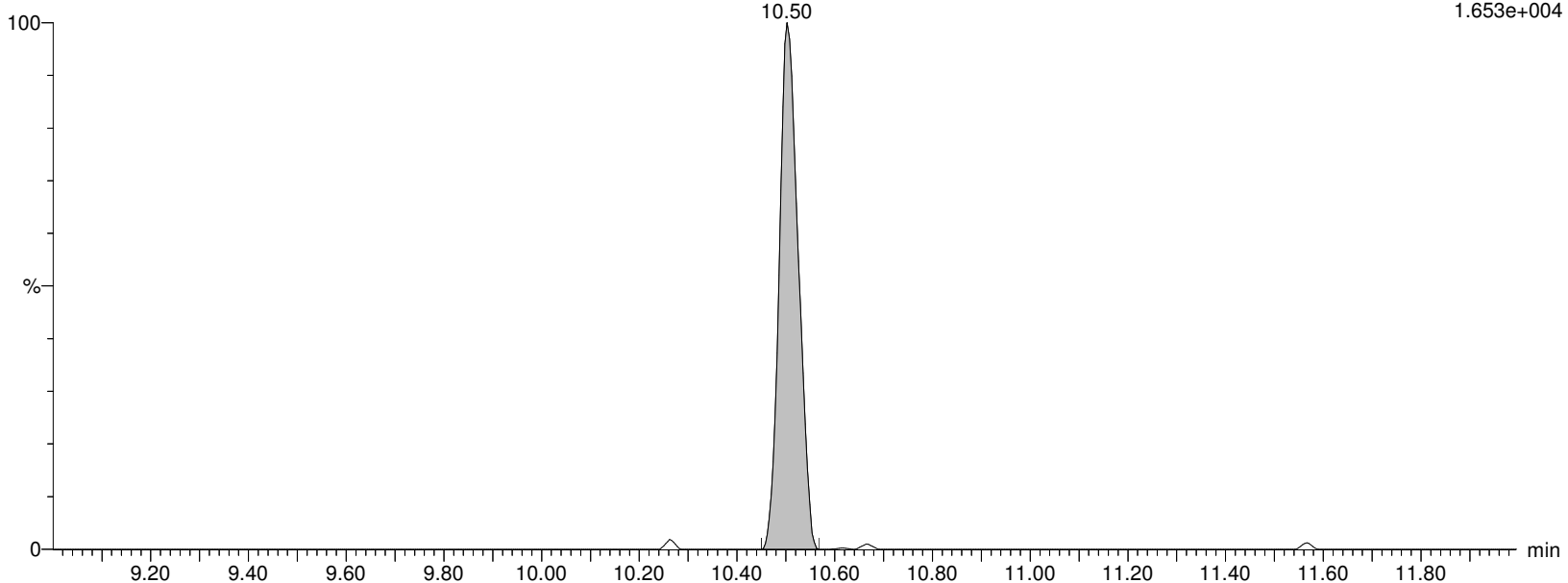
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F34:MRM of 2 channels, ES-

513.053 > 219.08

1.653e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

I18671 Smooth(Mn,2x3)

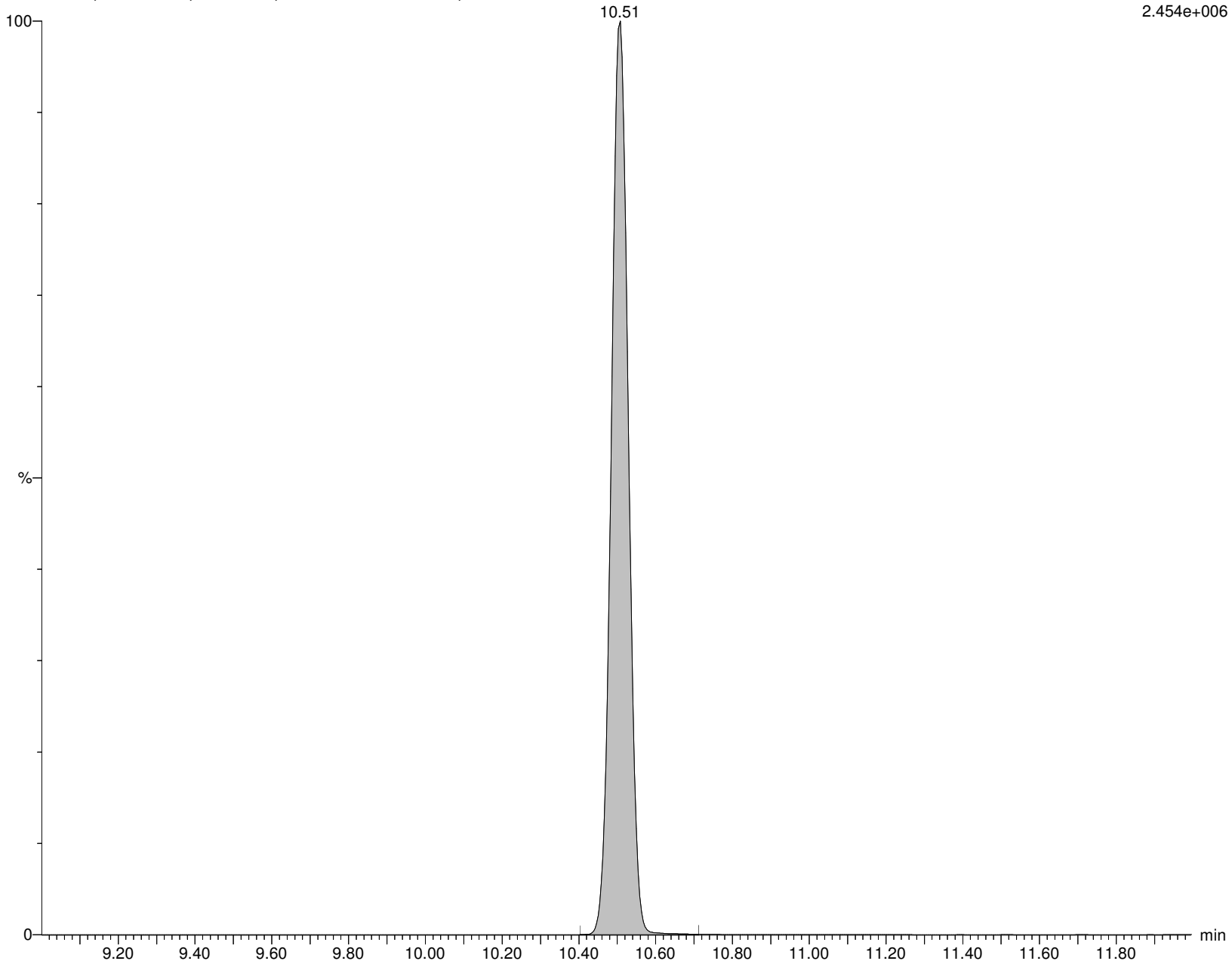
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

M2PFDA

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.454e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

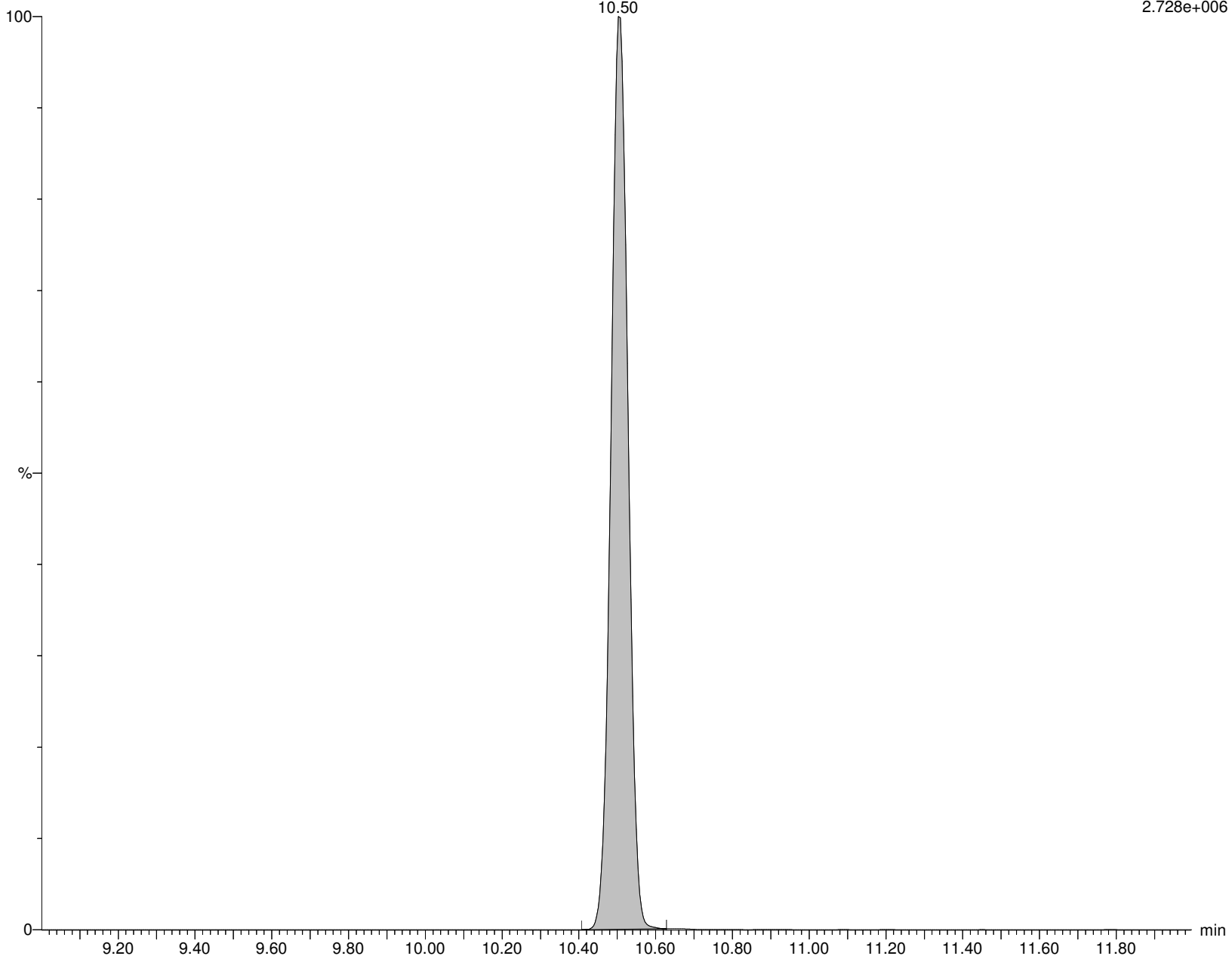
M6PFDA

10.50

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.728e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

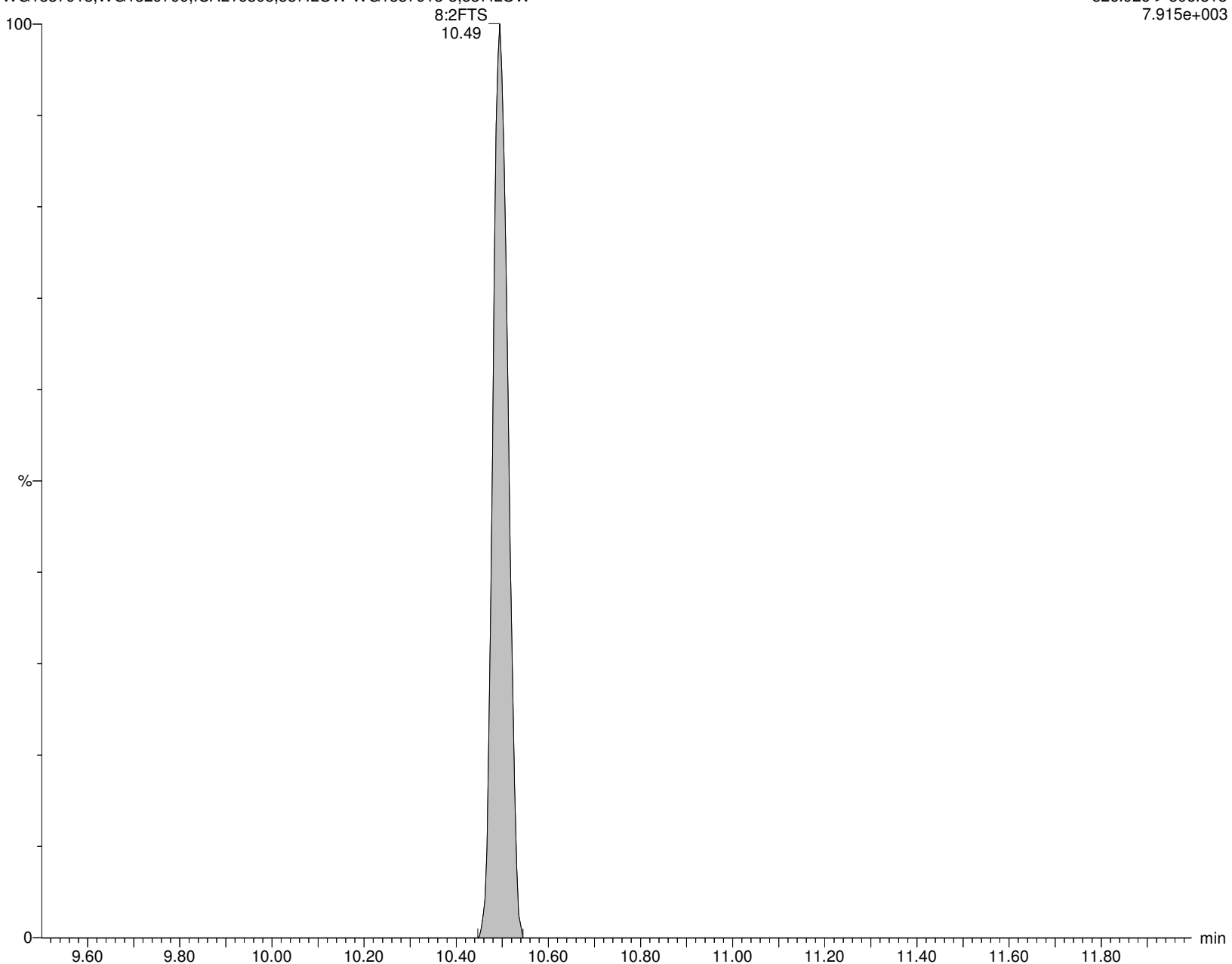
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F39:MRM of 2 channels, ES-

526.926 > 506.818

7.915e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

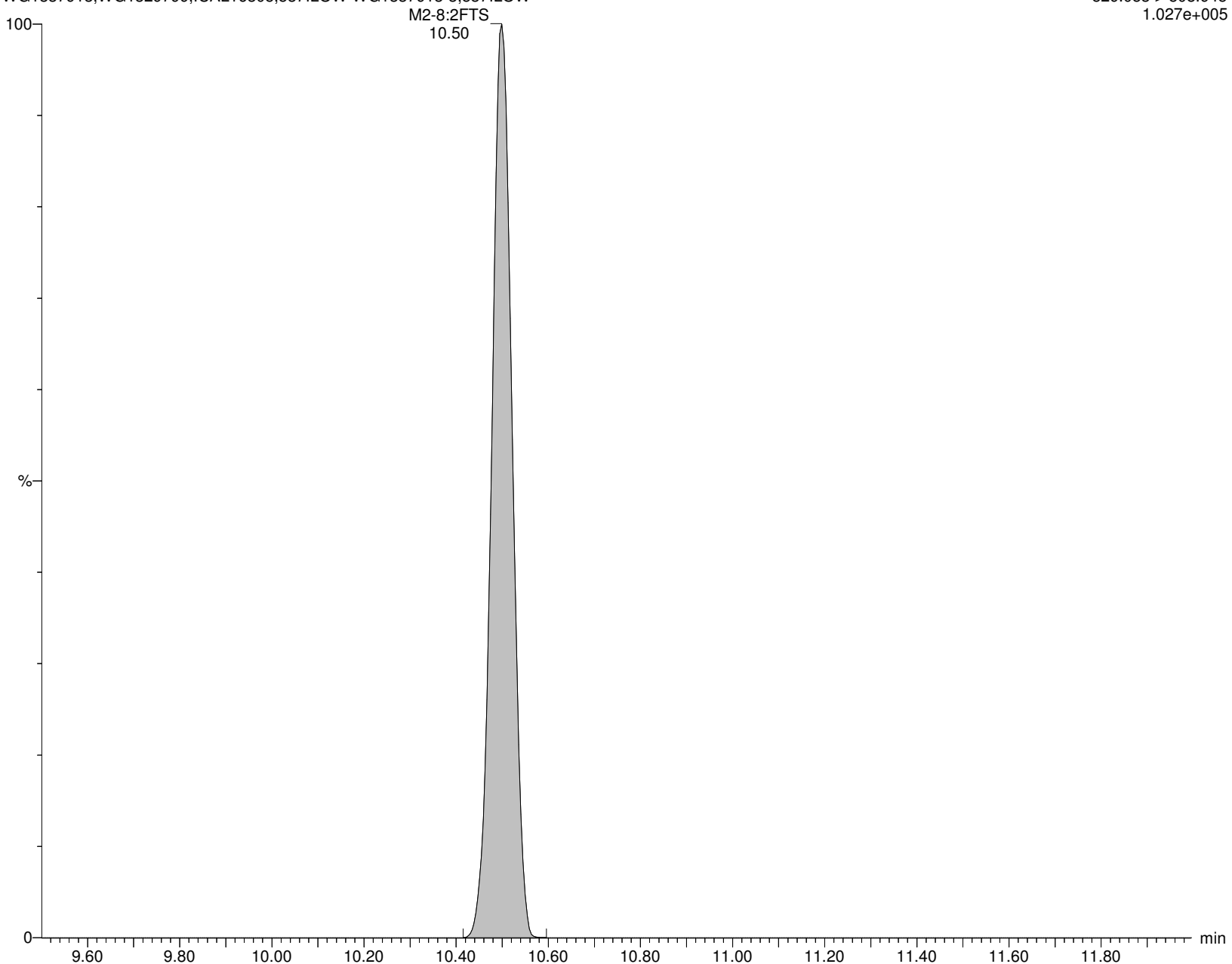
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F40:MRM of 2 channels, ES-

529.053 > 508.945

1.027e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

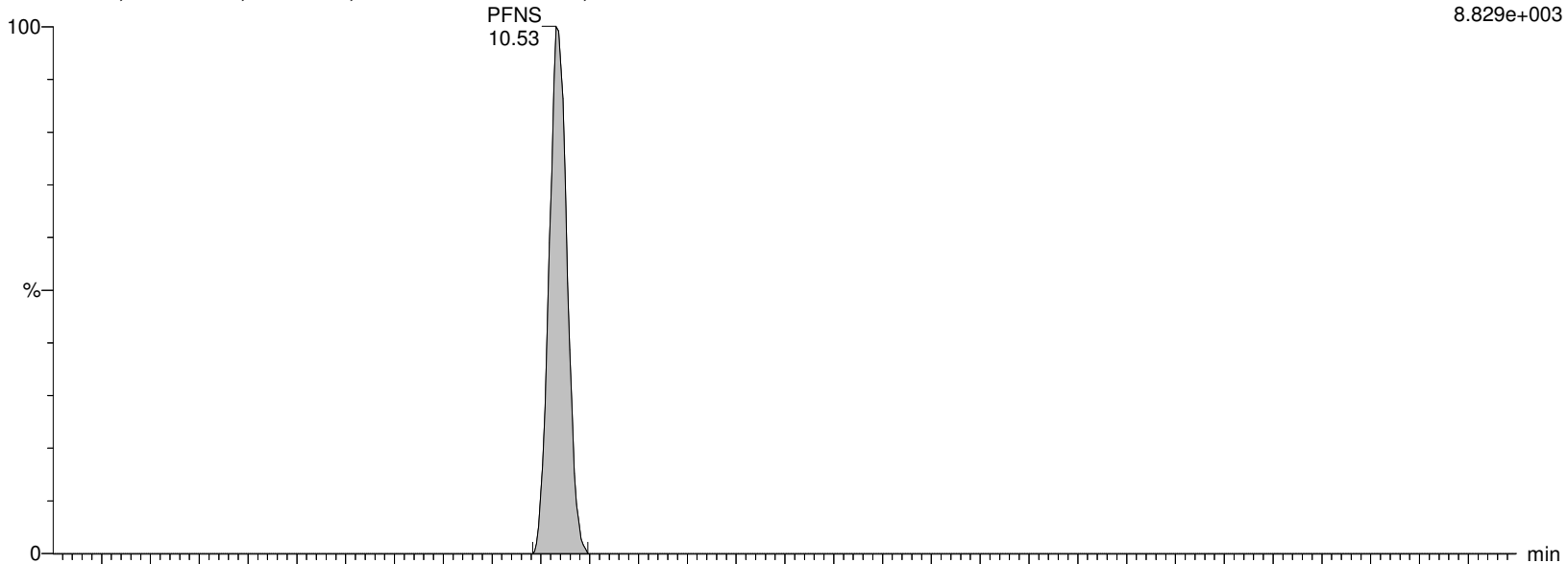
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F43:MRM of 2 channels, ES-

548.989 > 80.249

8.829e+003



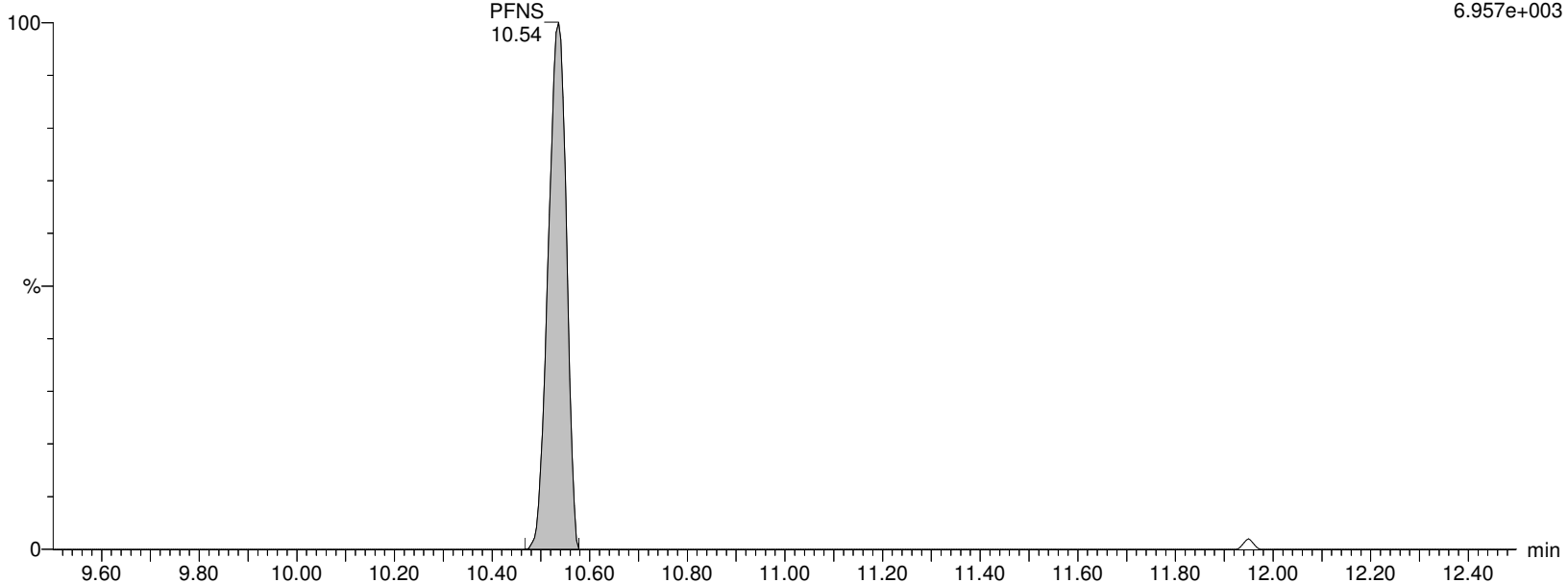
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F43:MRM of 2 channels, ES-

548.989 > 99.22

6.957e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

I18671 Smooth(Mn,2x3)

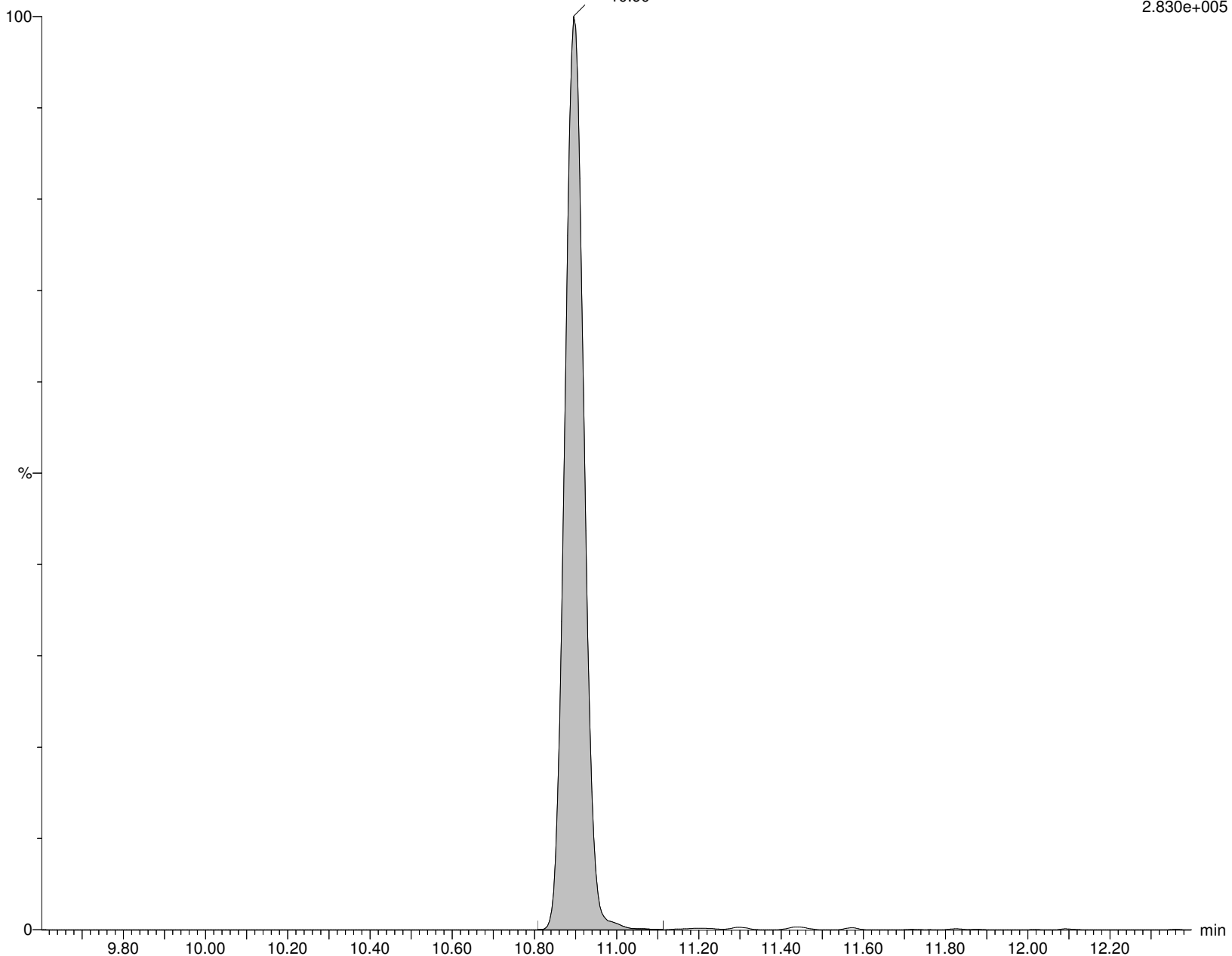
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

d3-NMeFOSAA
10.90

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.830e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

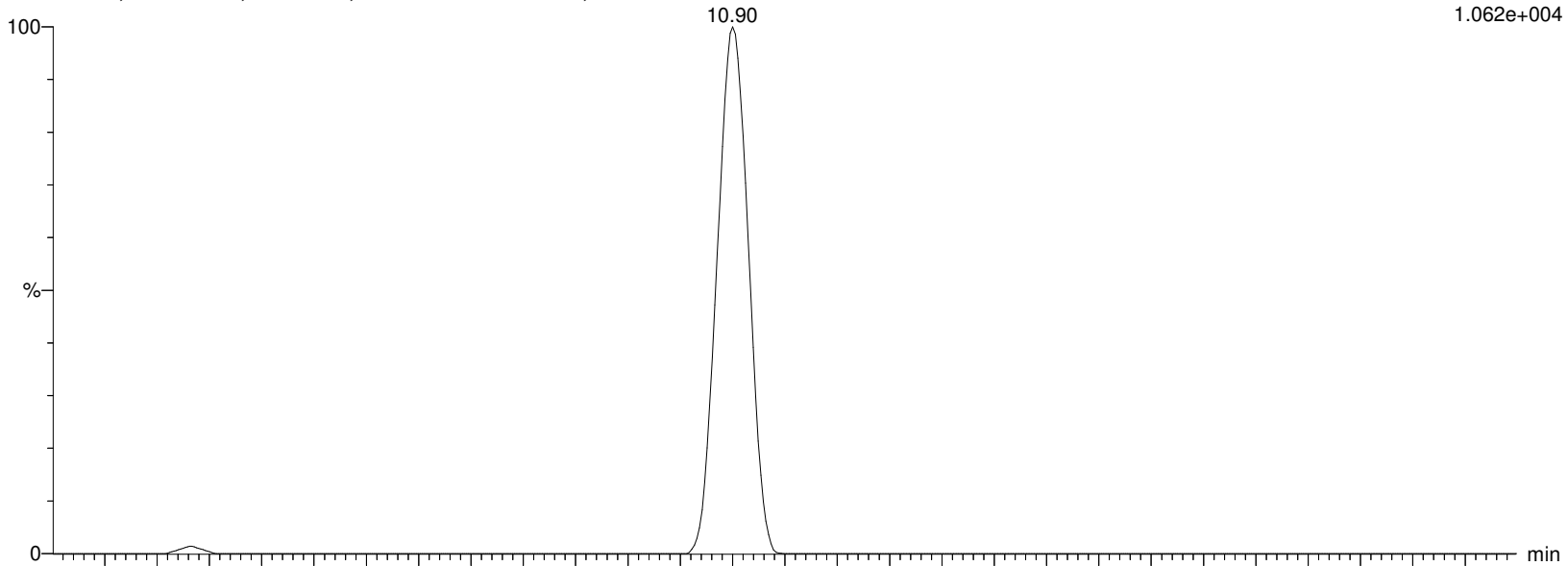
I18671 Smooth(Mn,2x5)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F45:MRM of 2 channels,ES-

570.053 > 418.917

1.062e+004



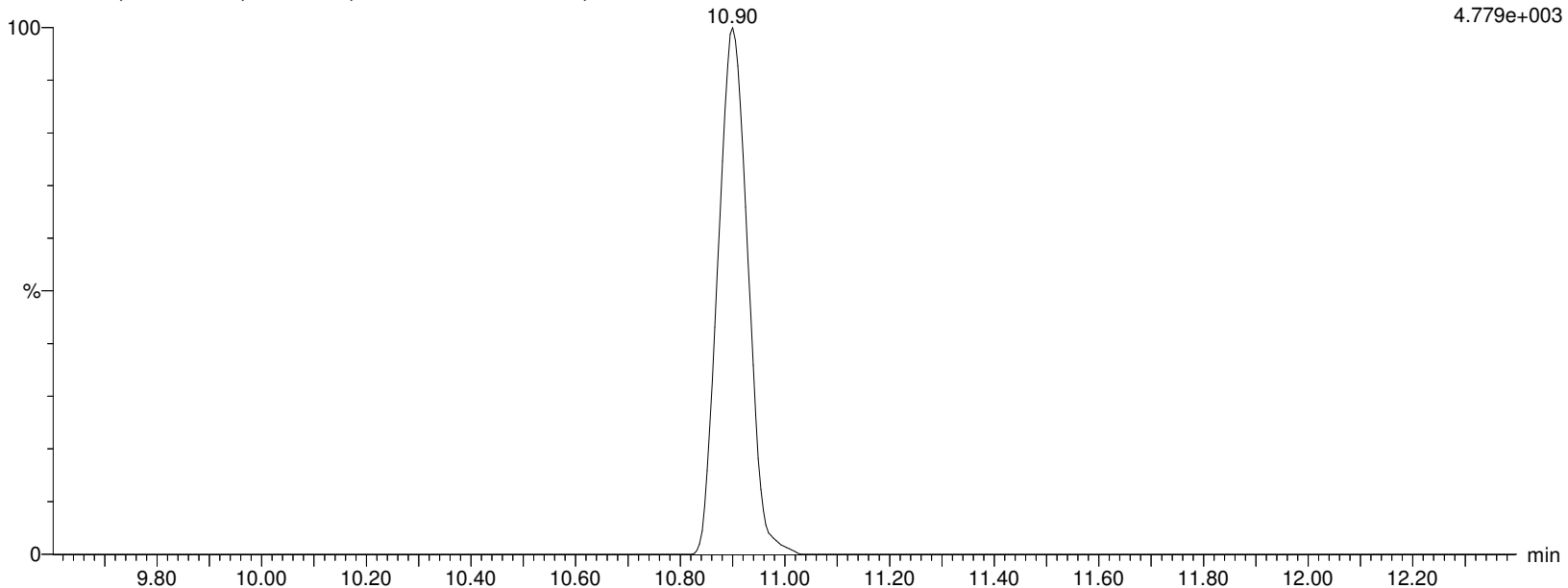
I18671 Smooth(Mn,2x5)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F45:MRM of 2 channels,ES-

569.862 > 482.77

4.779e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

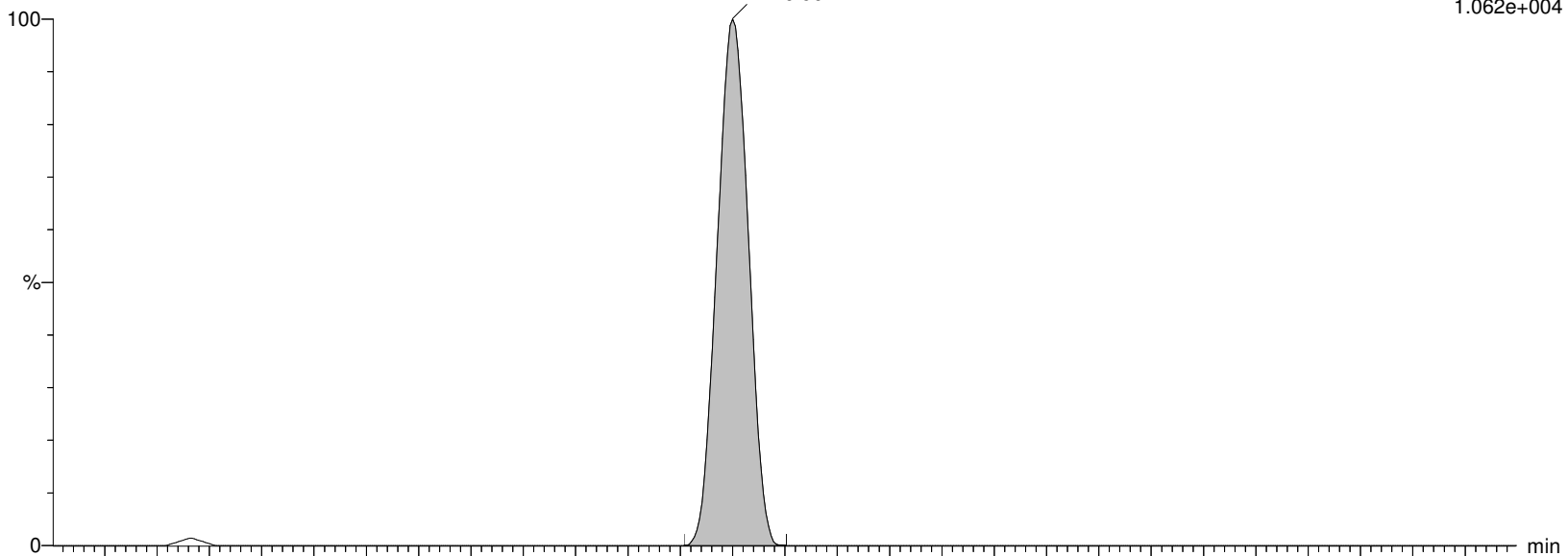
L-NMeFOSAA

10.90

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.062e+004



I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

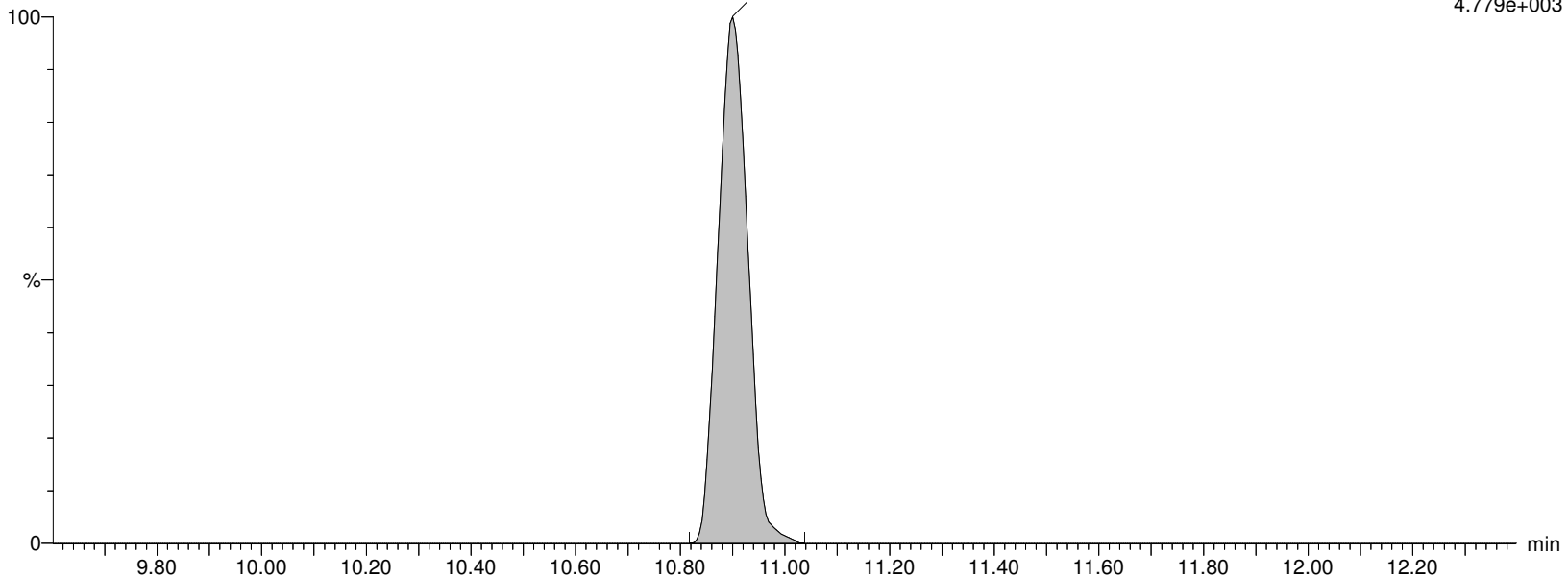
L-NMeFOSAA

10.90

F45:MRM of 2 channels, ES-

569.862 > 482.77

4.779e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

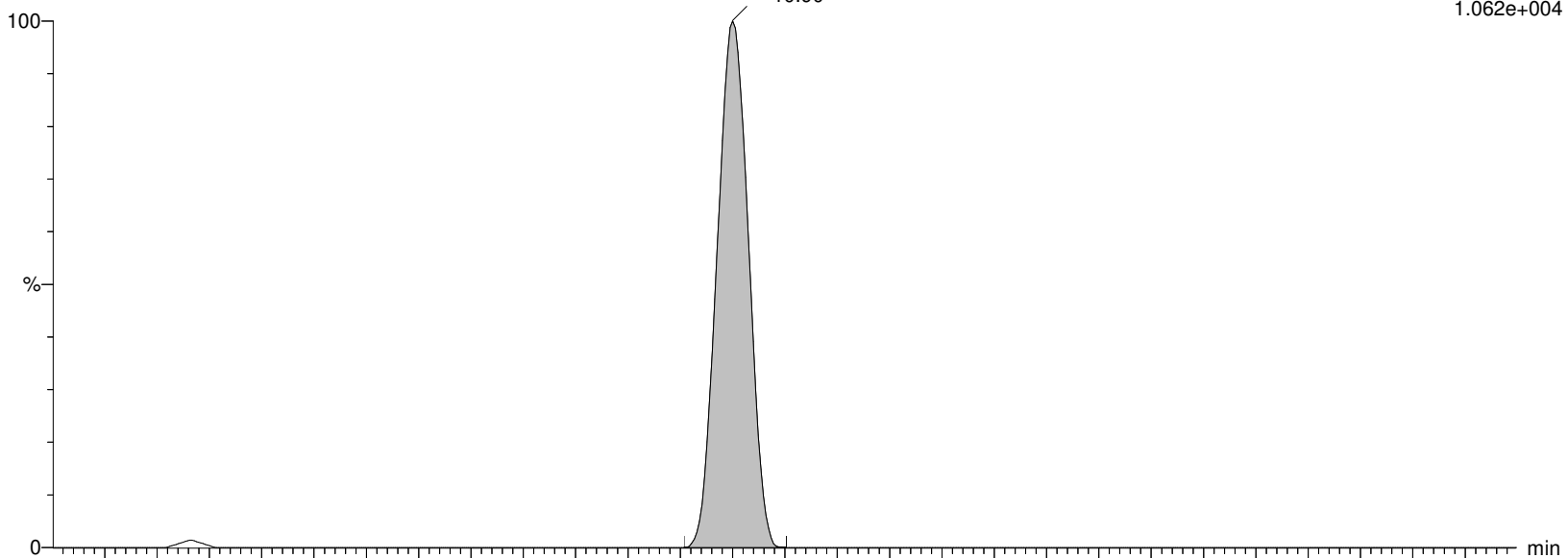
L-NMeFOSAA

10.90

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.062e+004



I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

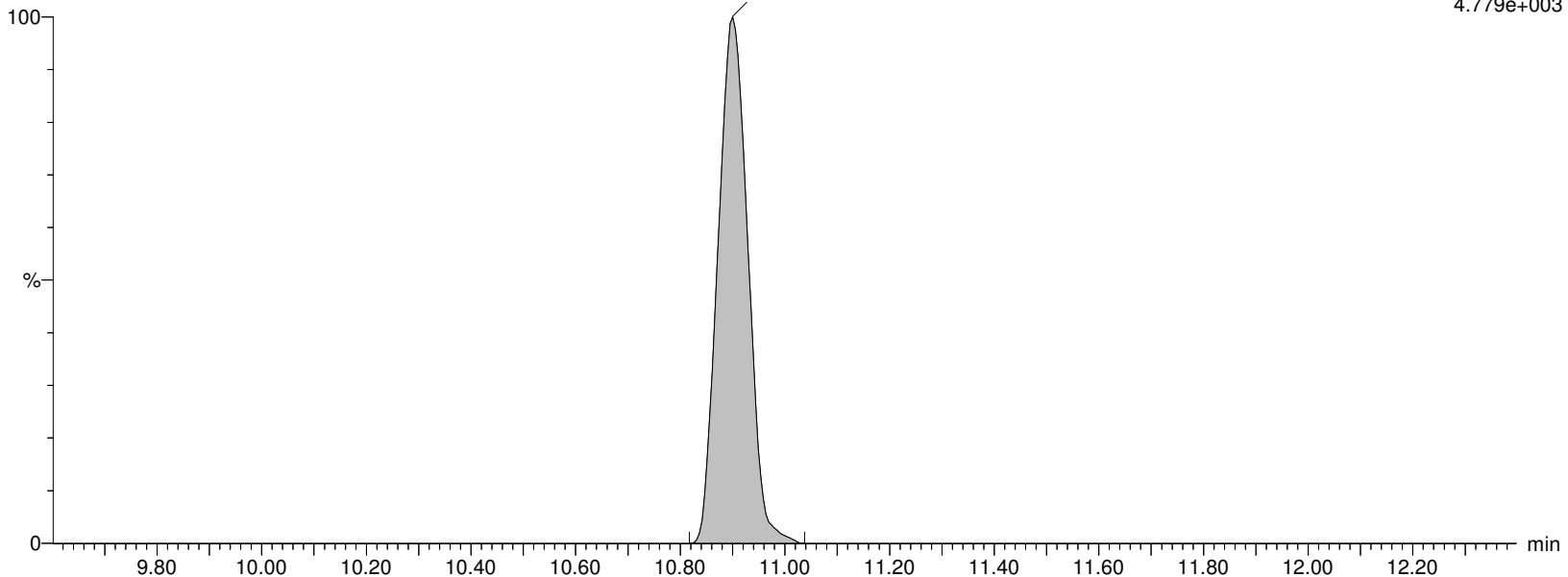
L-NMeFOSAA

10.90

F45:MRM of 2 channels, ES-

569.862 > 482.77

4.779e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

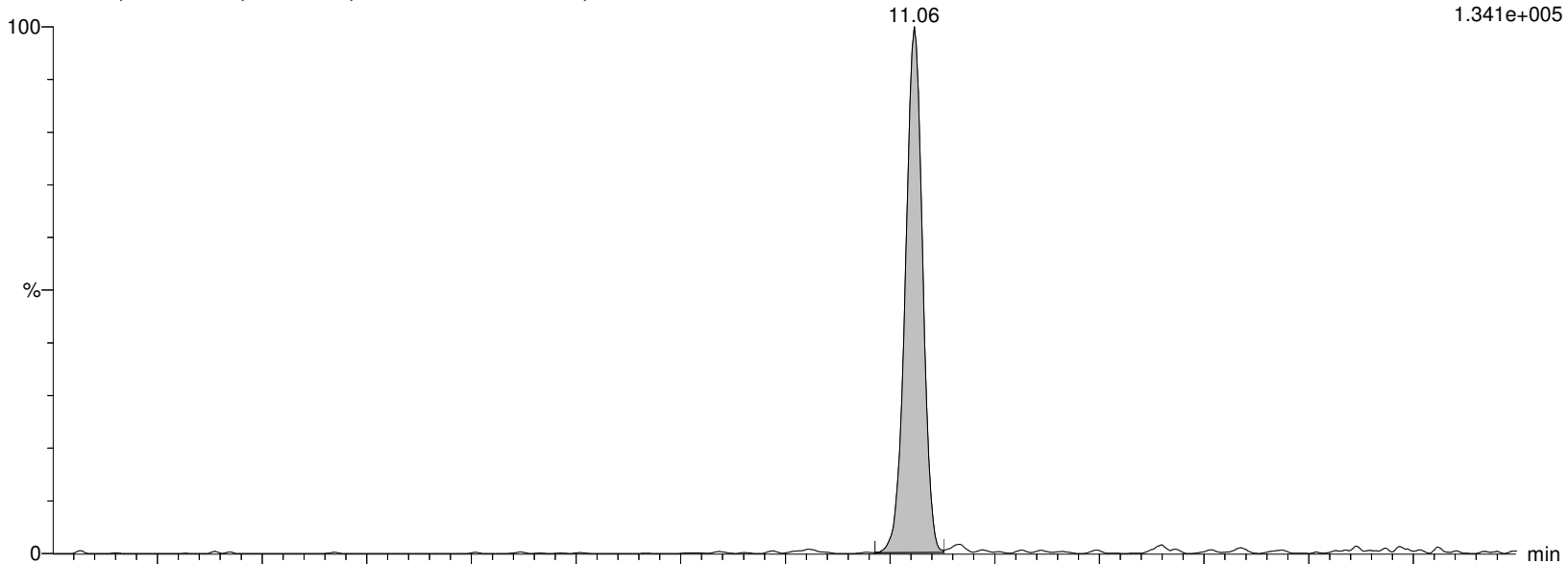
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 518.903

1.341e+005



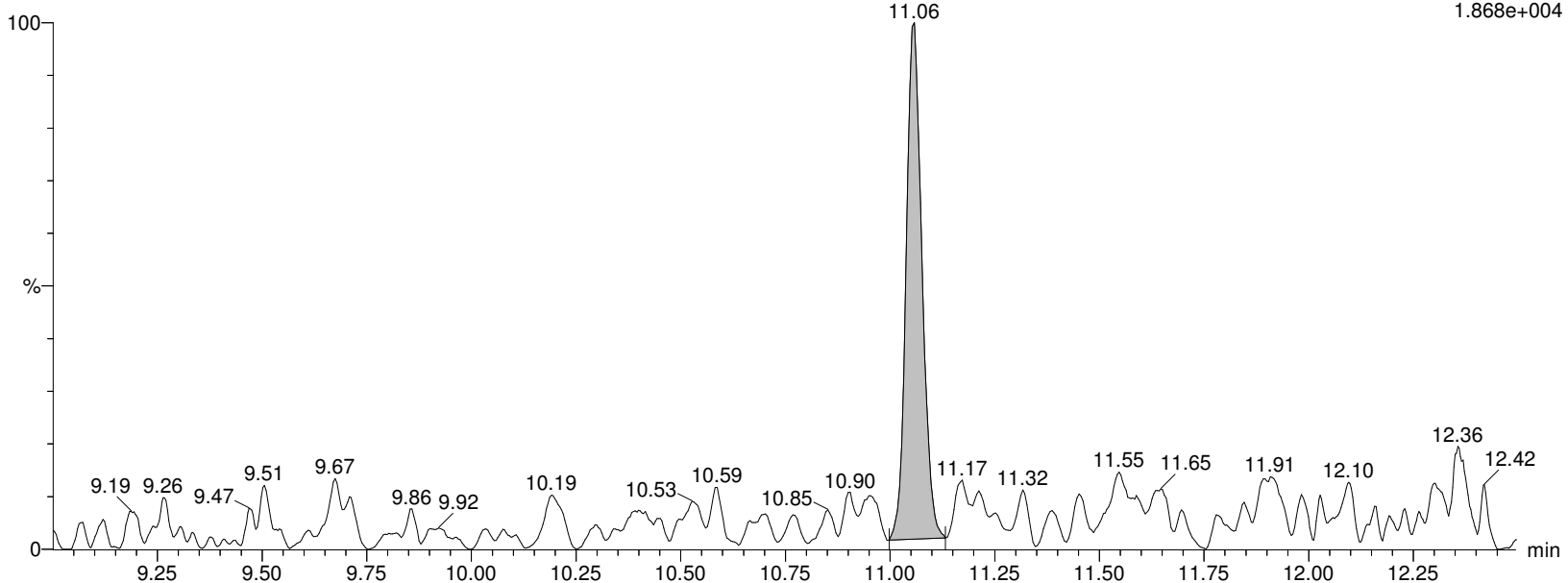
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.868e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

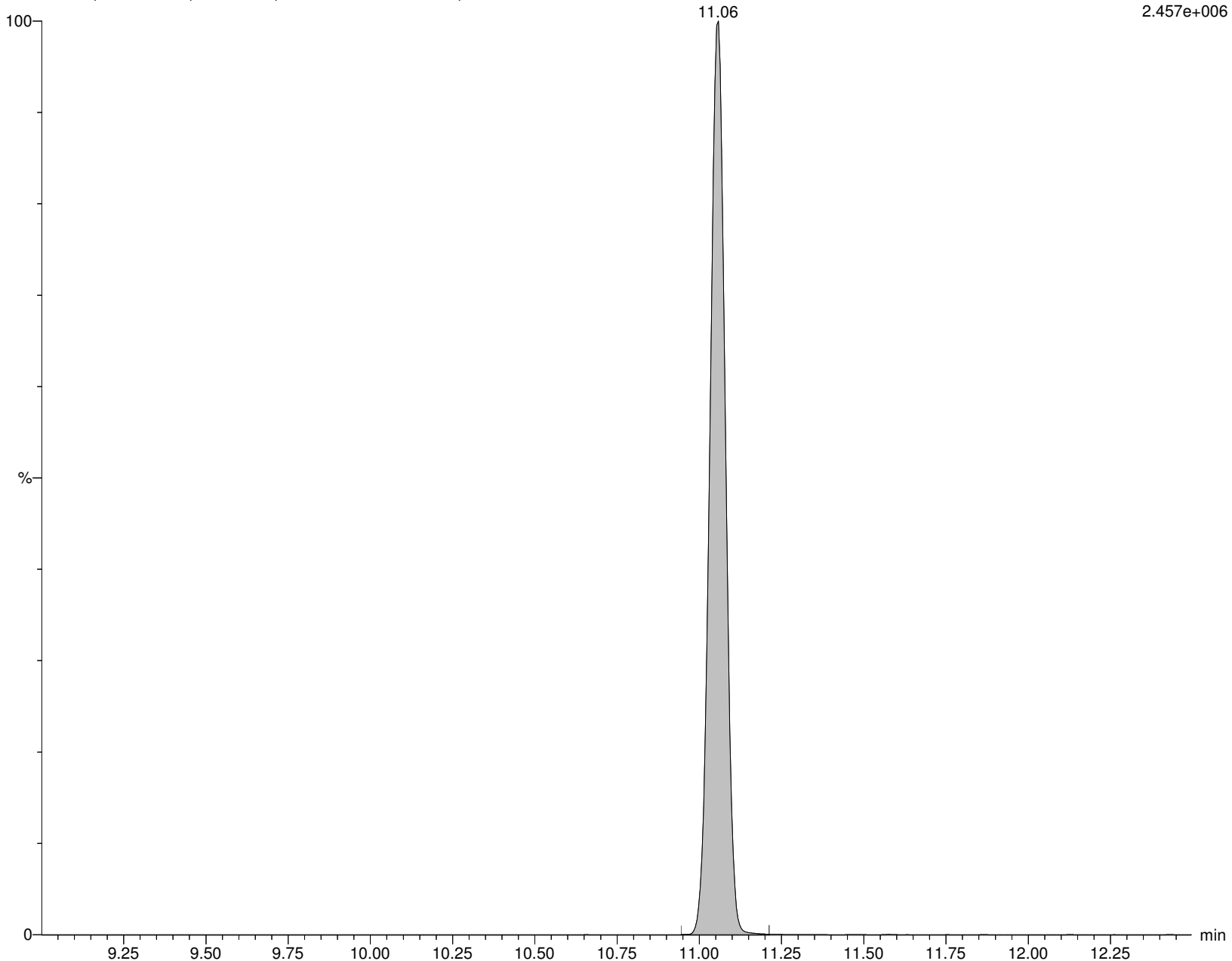
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F46:MRM of 1 channel,ES-

570.053 > 524.923

2.457e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

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Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

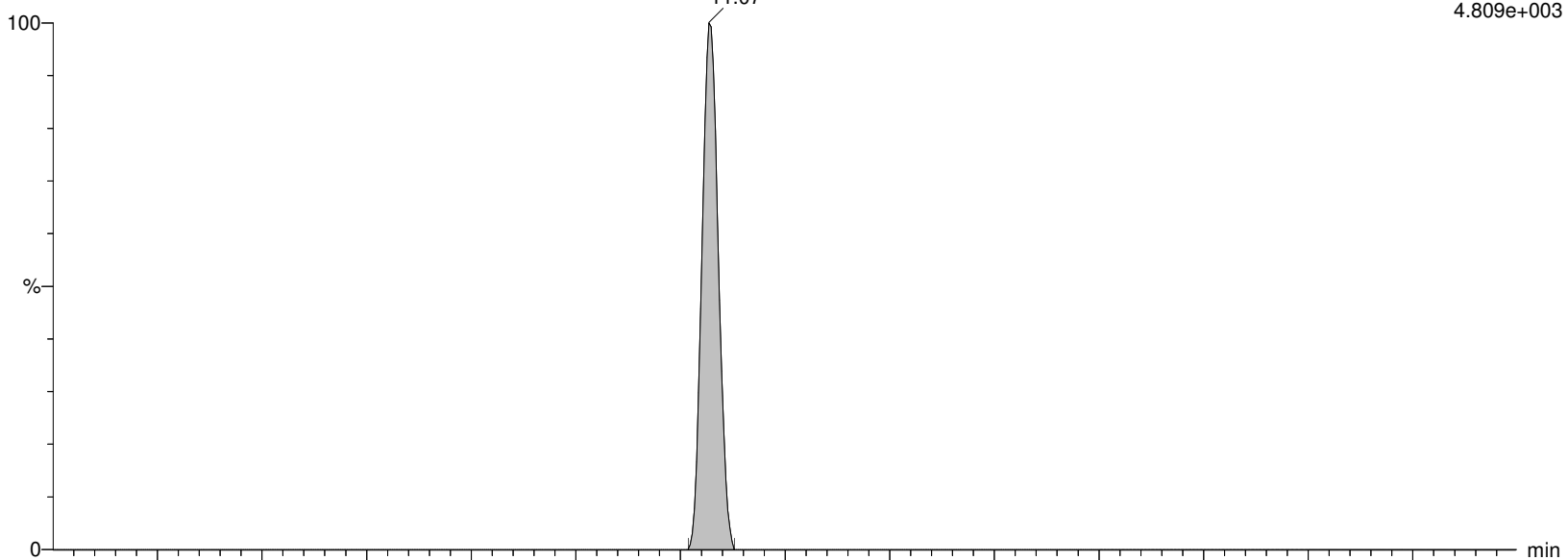
PFDS

11.07

F50:MRM of 2 channels, ES-

598.926 > 80.314

4.809e+003



I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

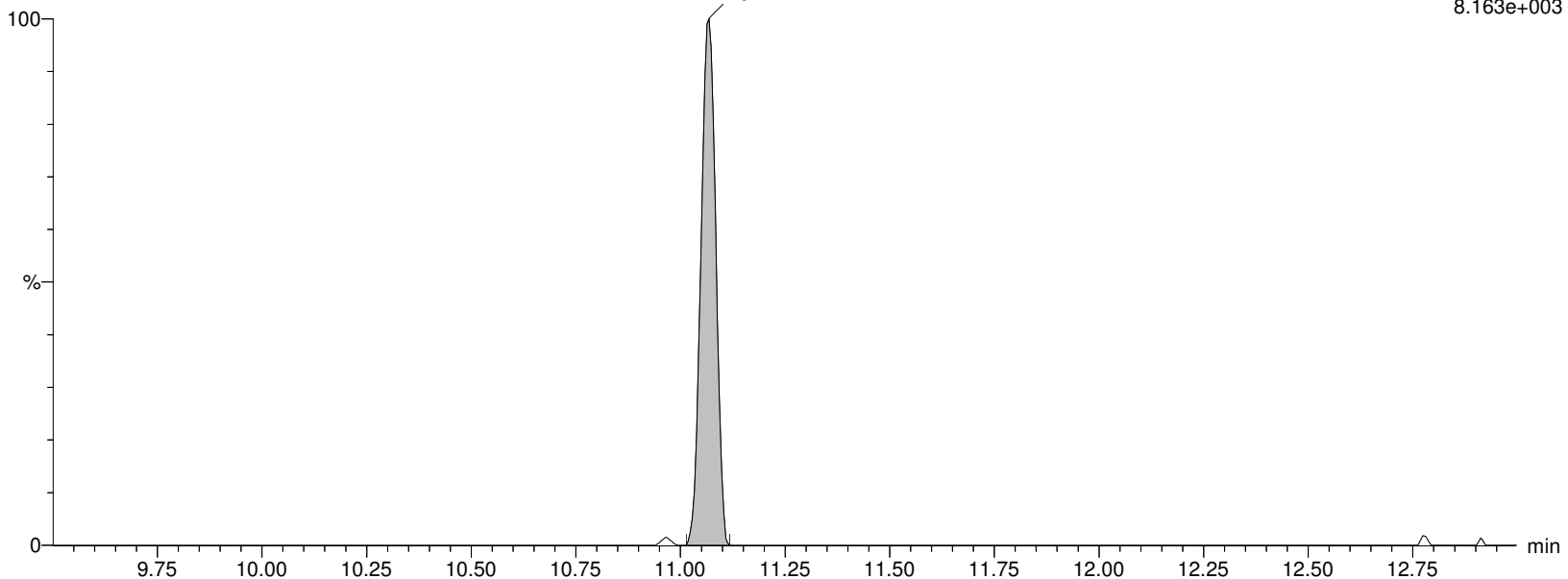
PFDS

11.07

F50:MRM of 2 channels, ES-

598.926 > 99.22

8.163e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

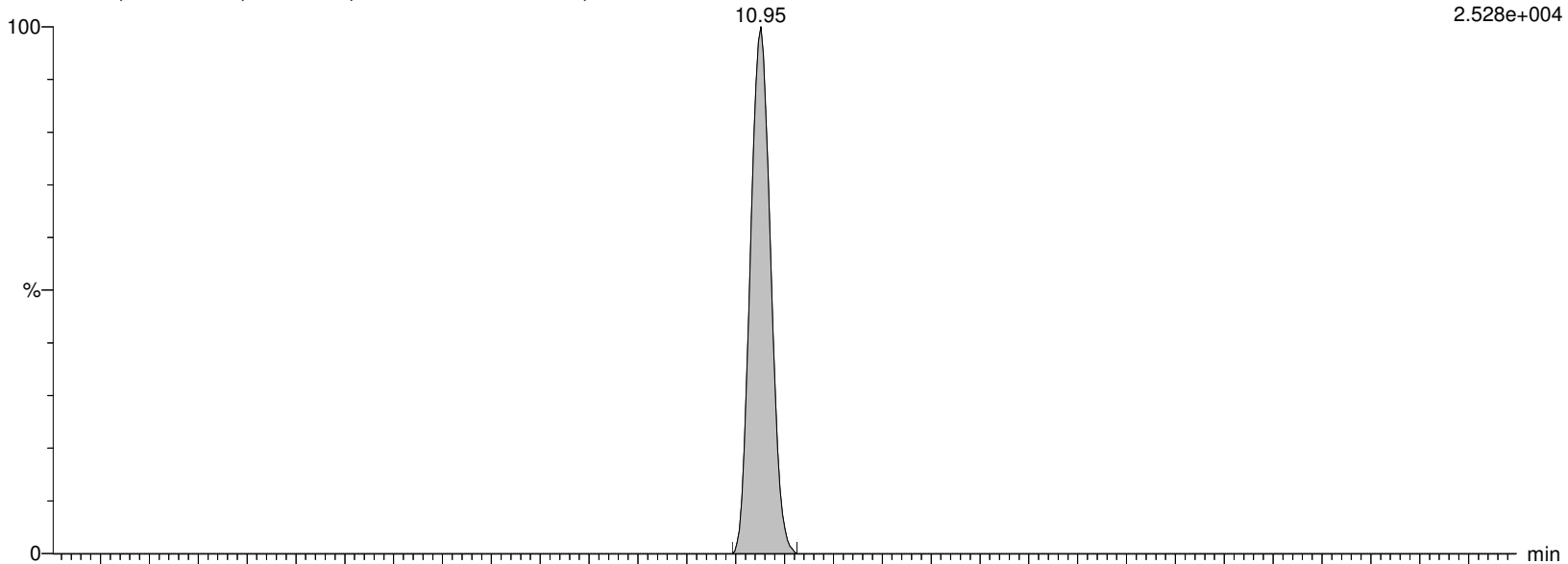
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F28:MRM of 2 channels, ES-

497.989 > 78.245

2.528e+004



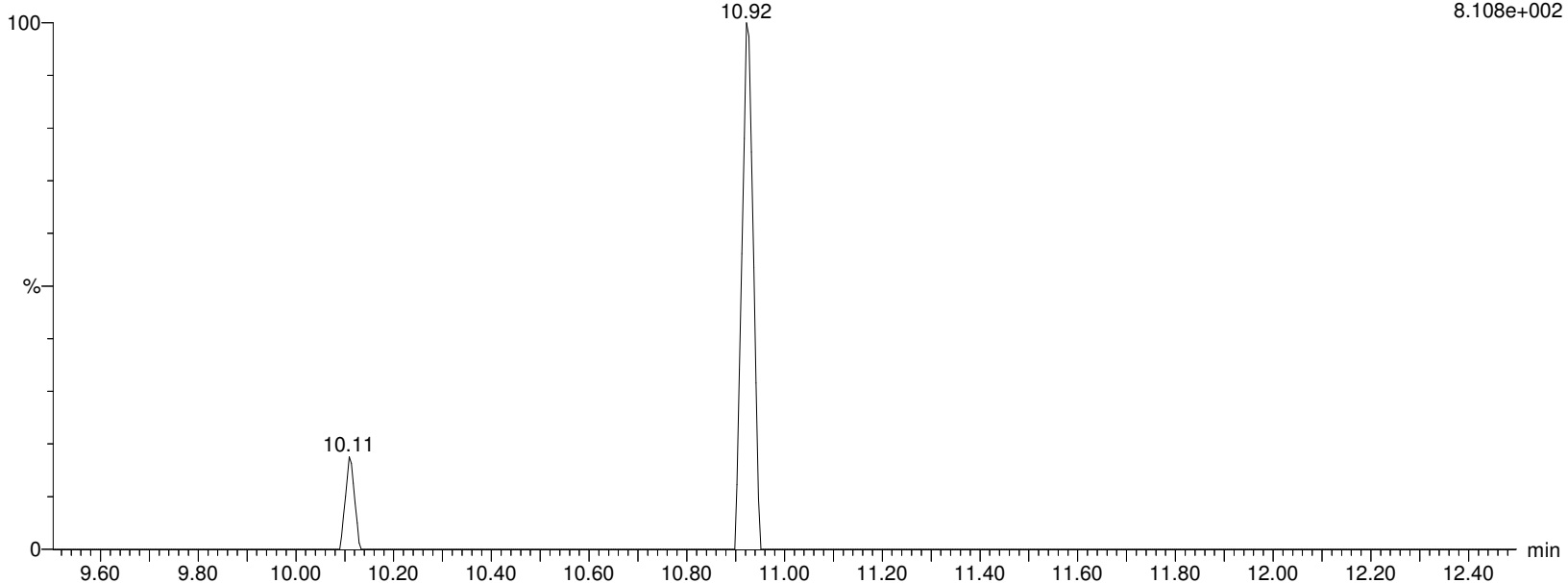
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F28:MRM of 2 channels, ES-

497.989 > 168.854

8.108e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

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Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

I18671 Smooth(Mn,2x3)

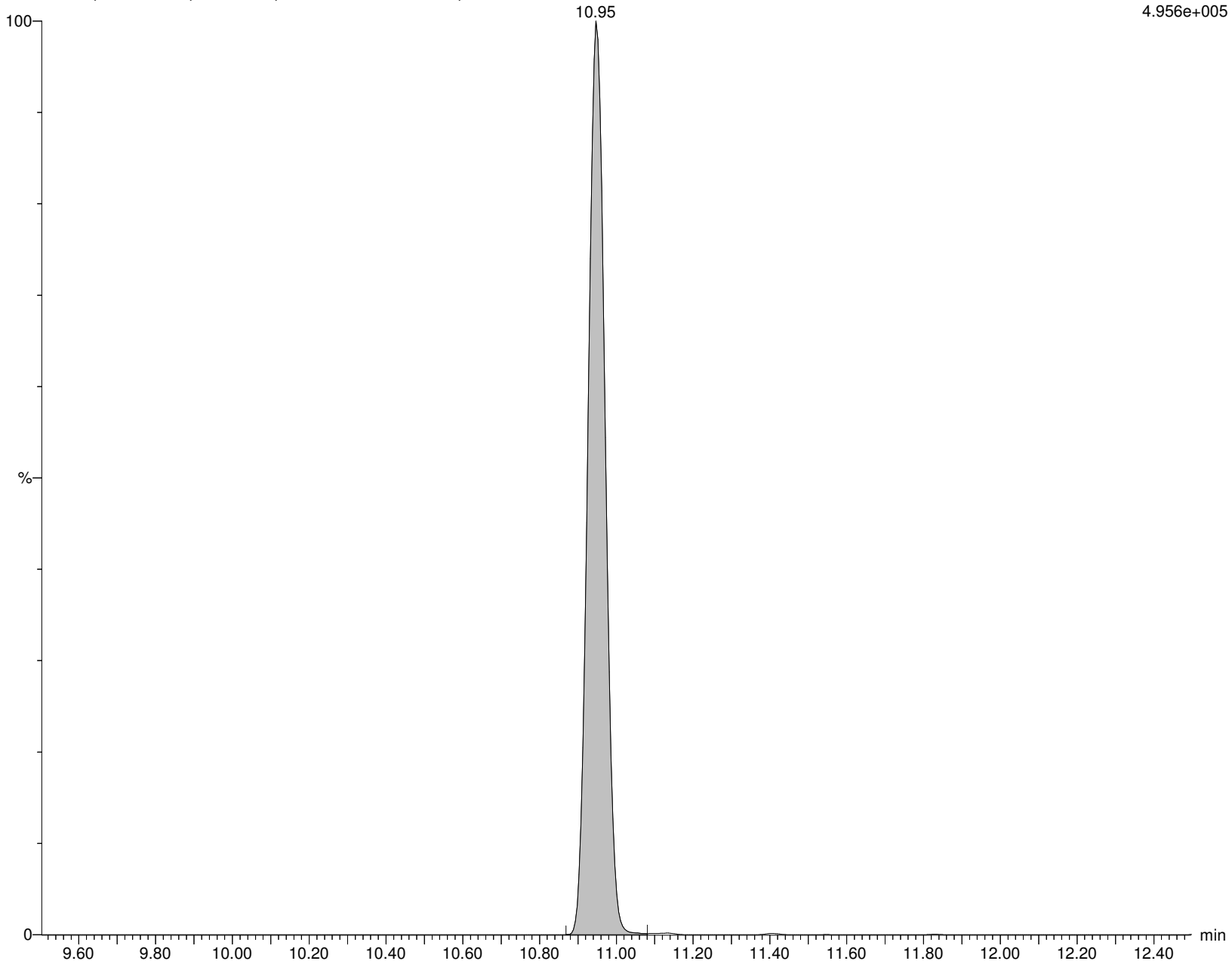
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

M8FOSA

F31:MRM of 1 channel, ES-

506.053 > 78.286

4.956e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

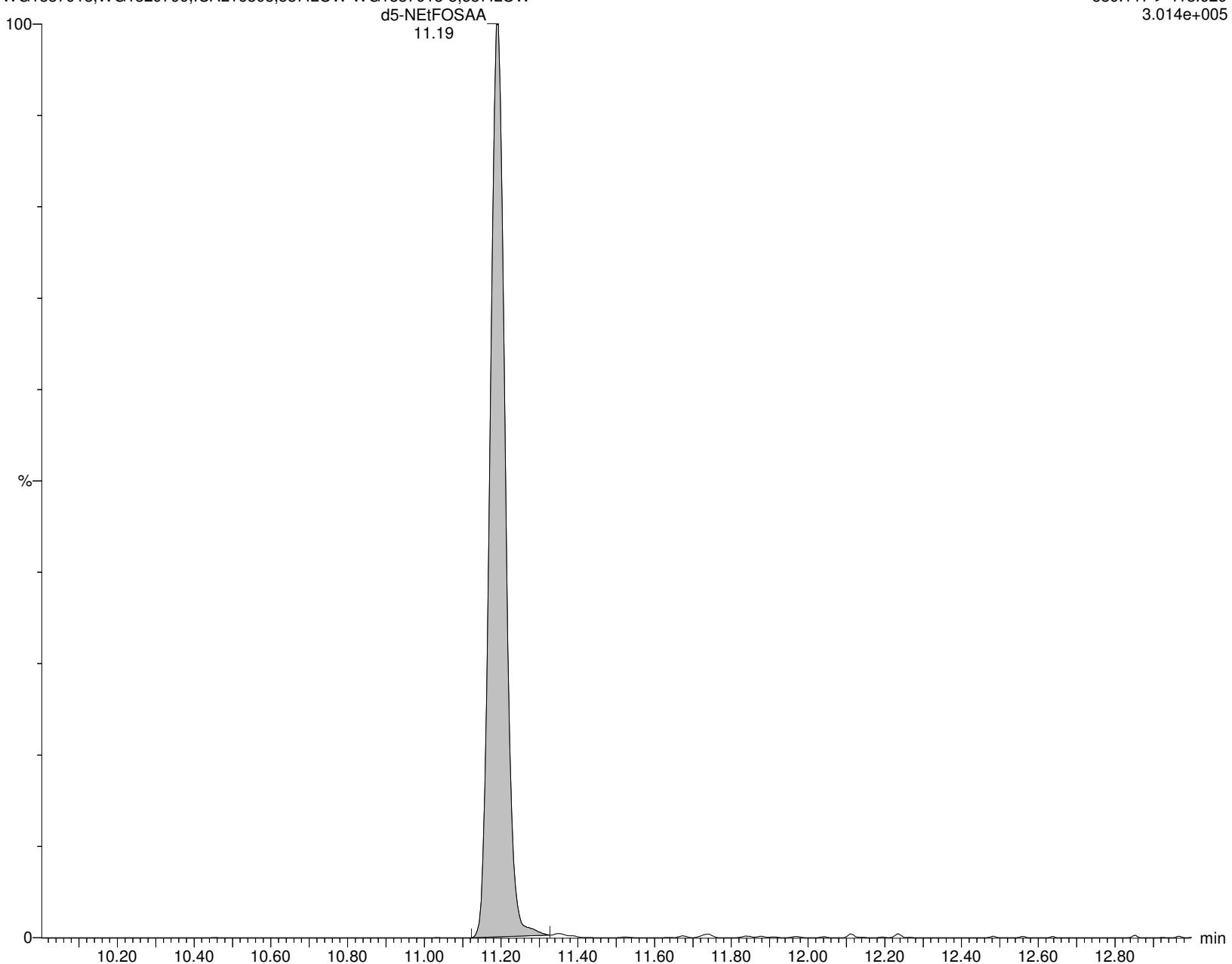
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F49:MRM of 1 channel, ES-

589.117 > 418.929

3.014e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

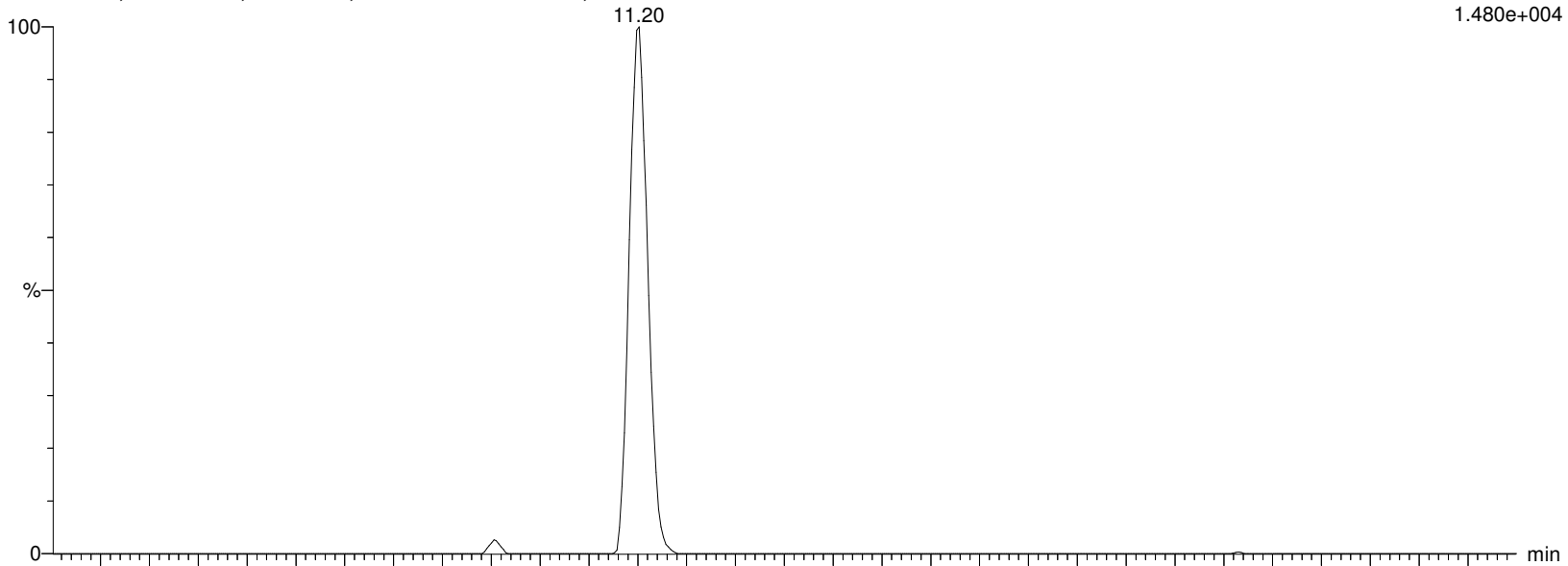
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.480e+004



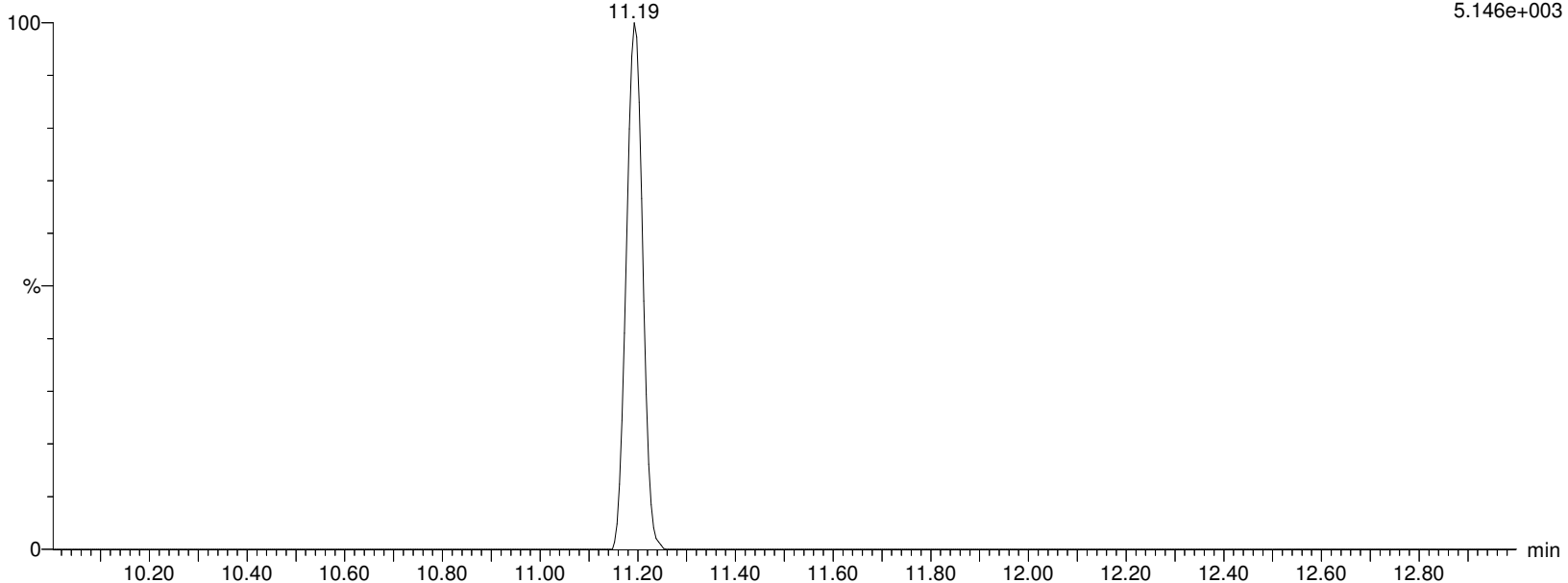
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

5.146e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

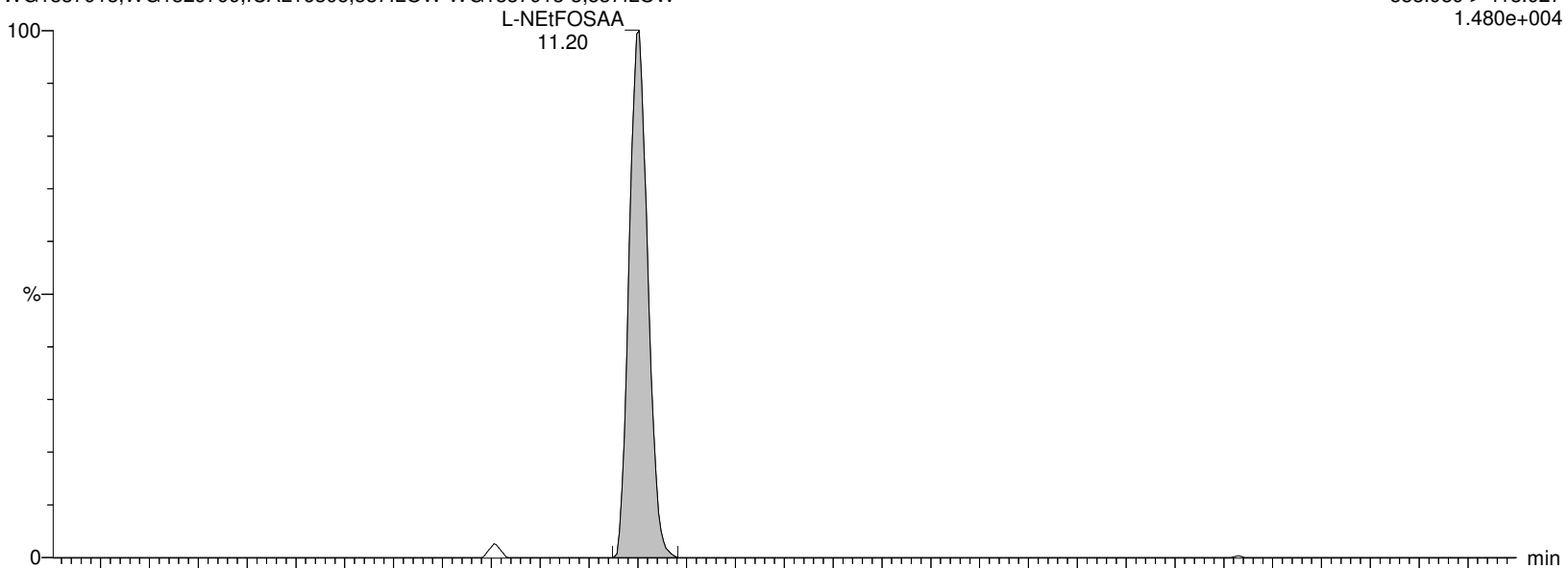
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.480e+004



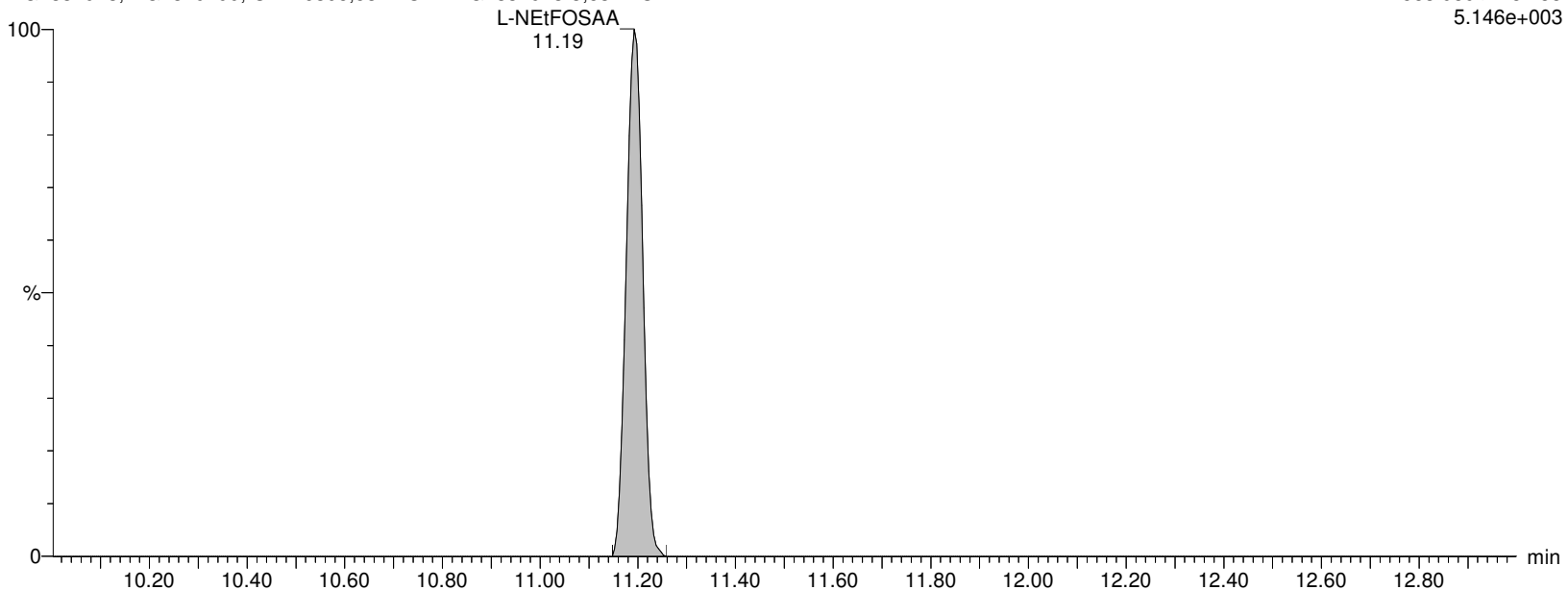
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

5.146e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

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Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

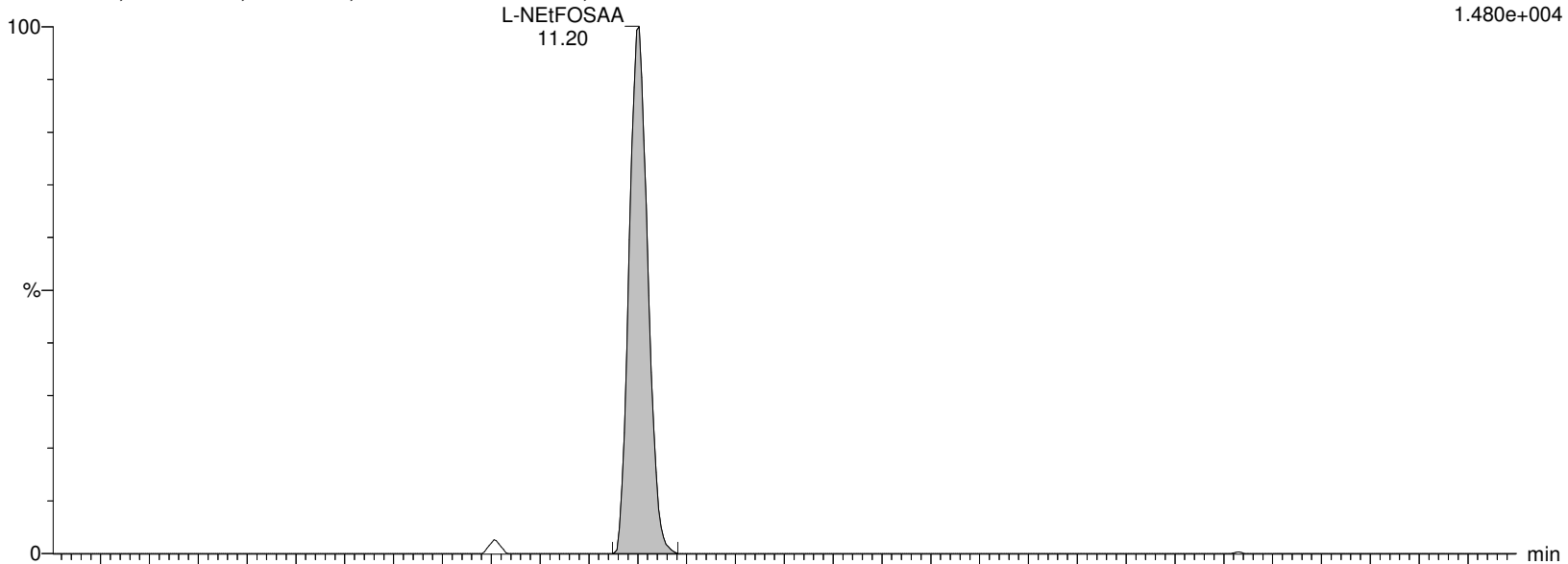
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.480e+004



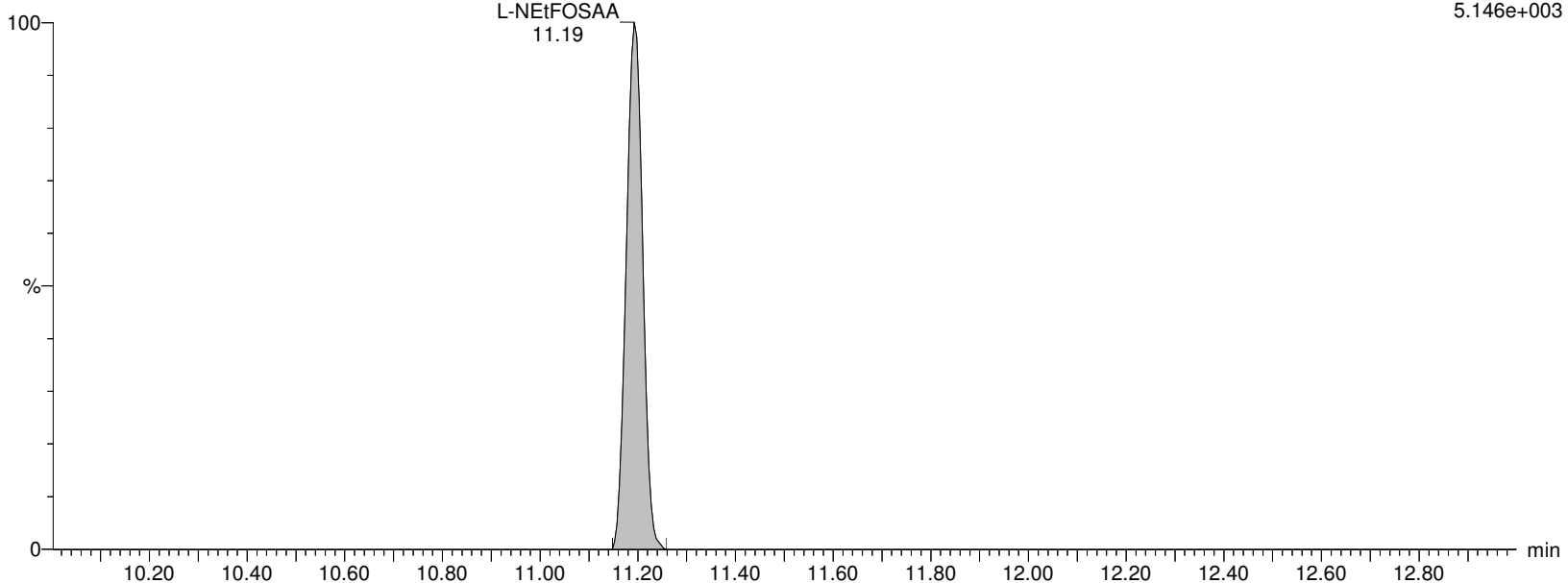
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

5.146e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

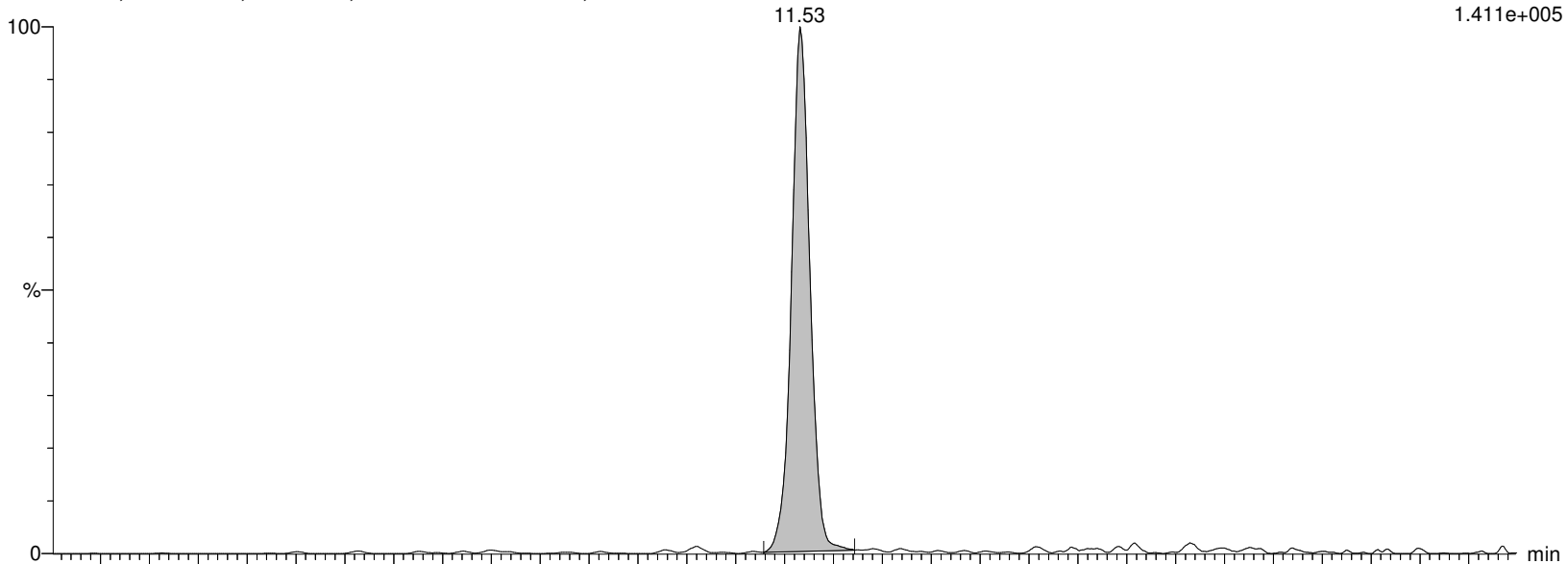
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 568.967

1.411e+005



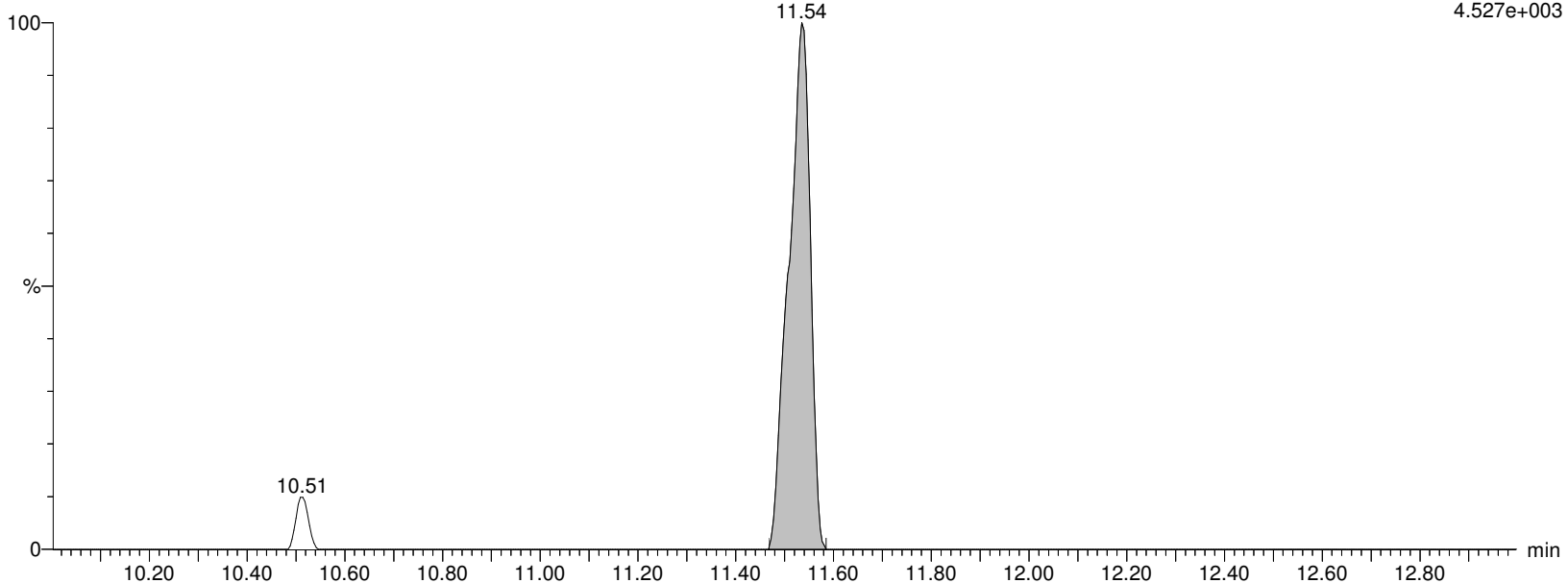
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 219.08

4.527e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

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Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

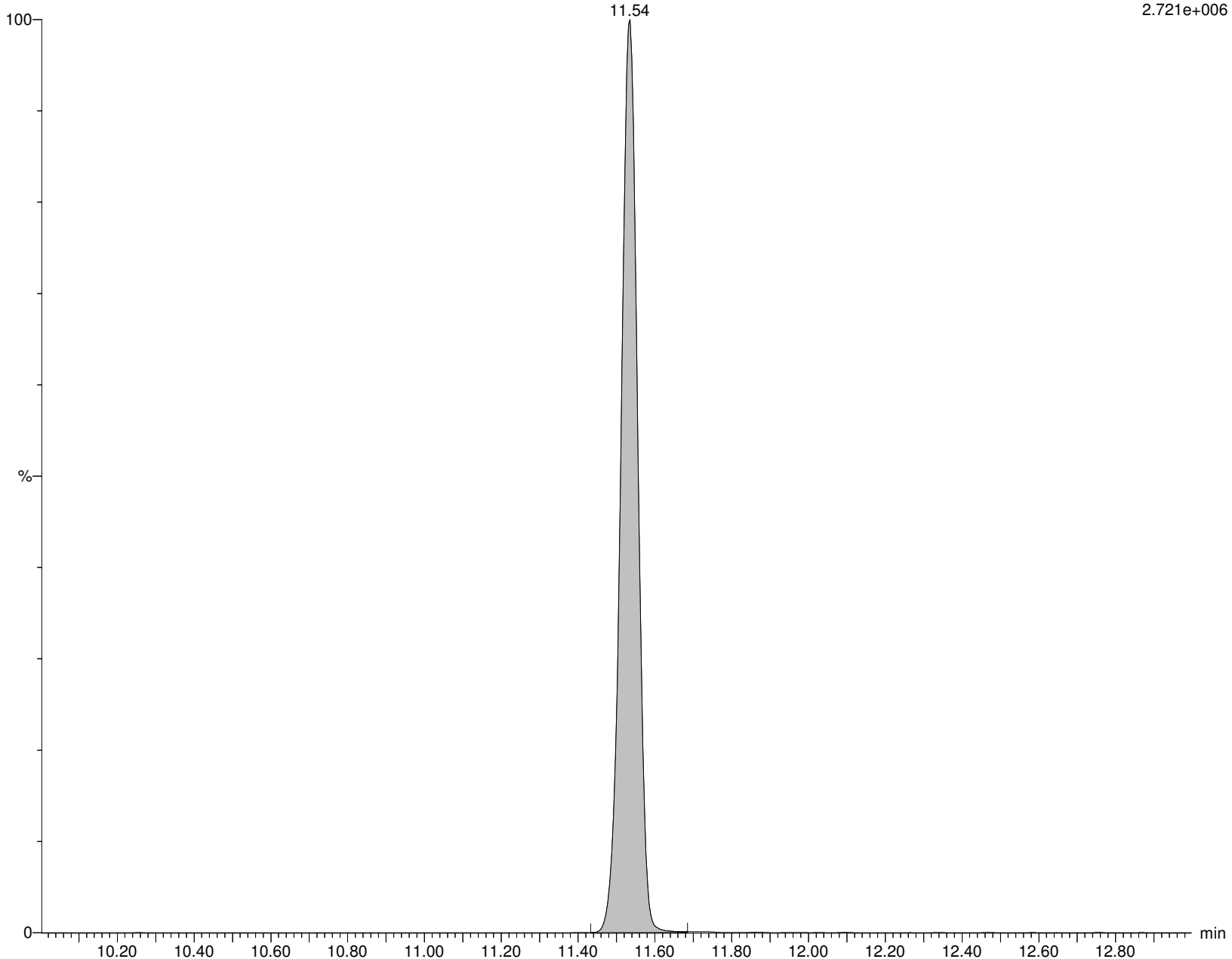
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.721e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

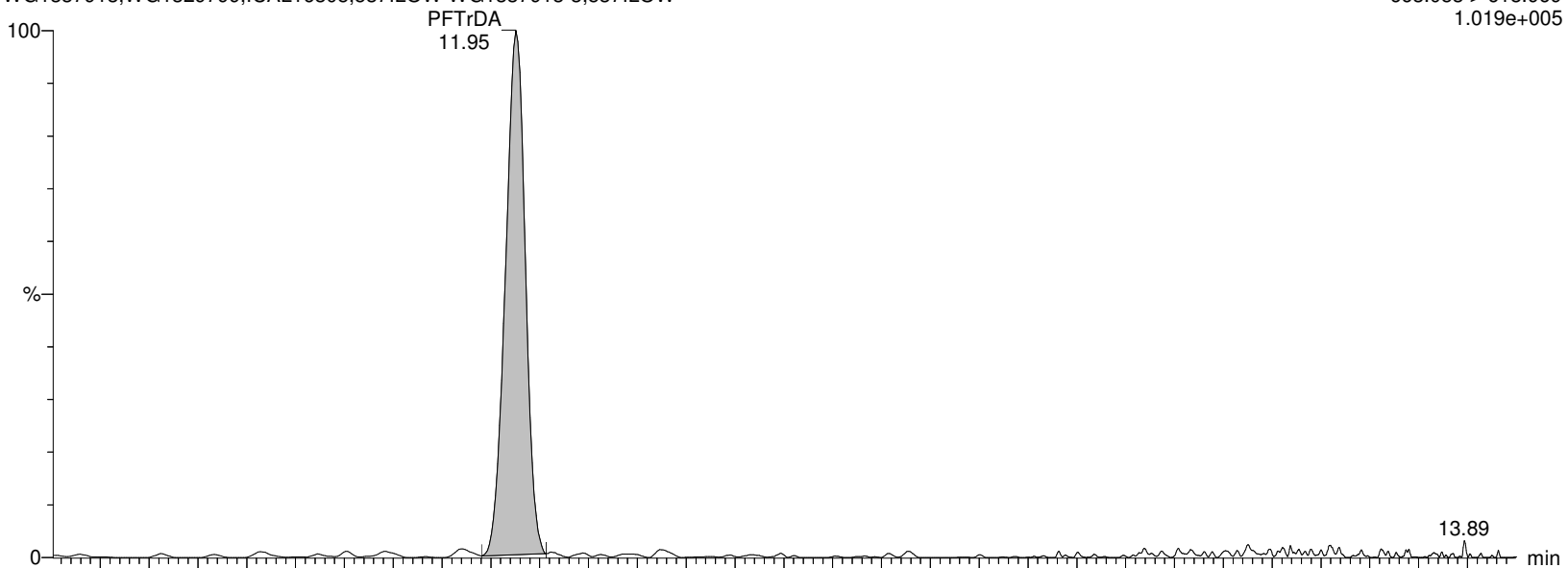
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F59:MRM of 2 channels, ES-

663.053 > 618.969

1.019e+005



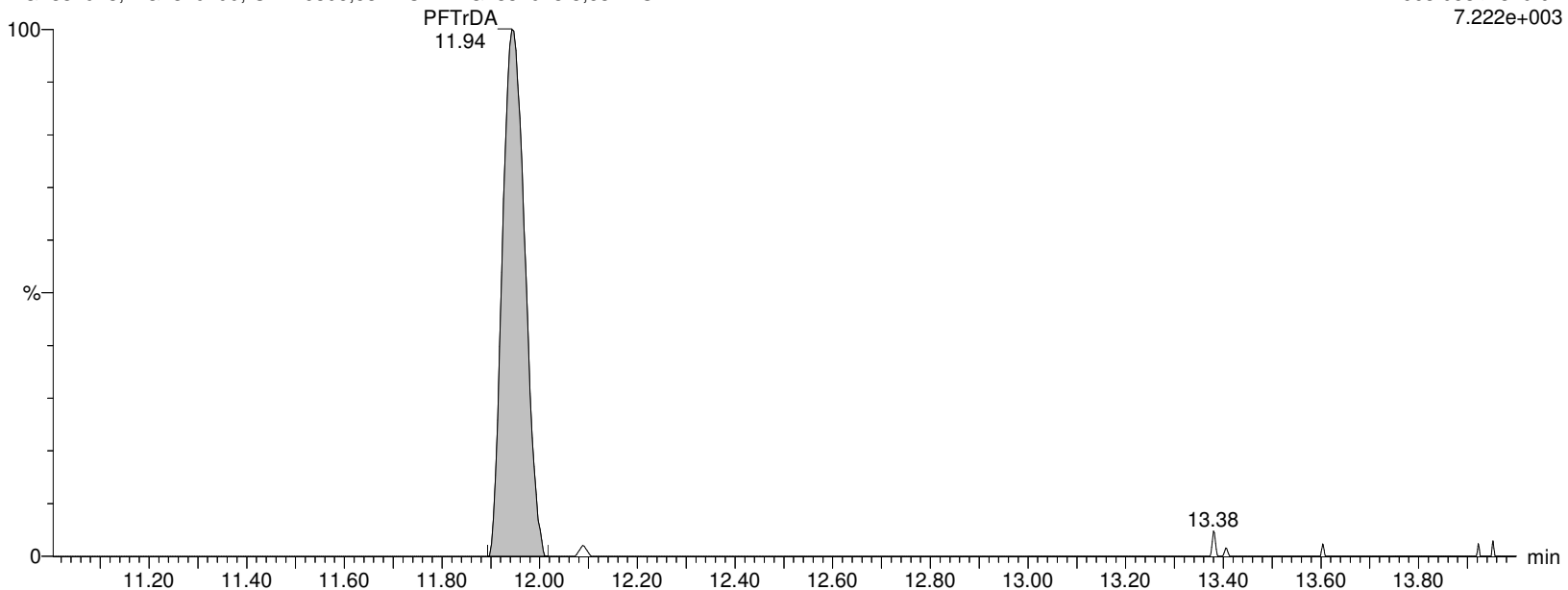
I18671 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F59:MRM of 2 channels, ES-

663.053 > 319.02

7.222e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

I18671 Smooth(Mn,2x3)

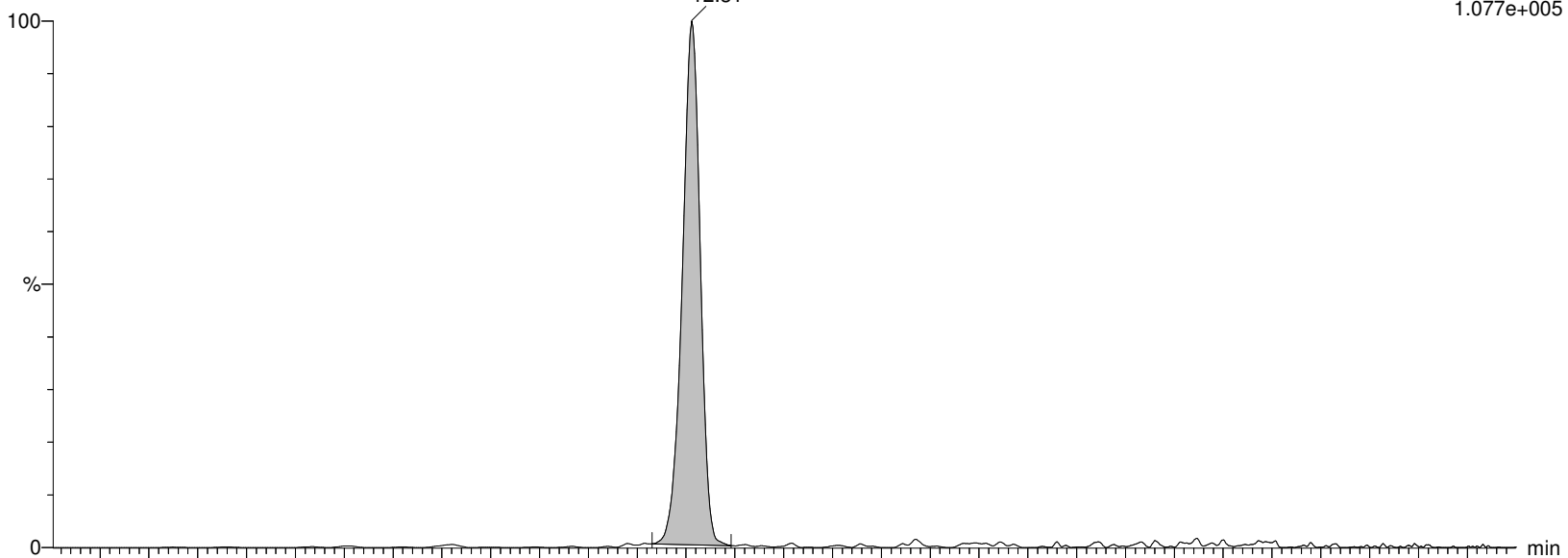
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

PFTA
12.31

F61:MRM of 2 channels, ES-

713.053 > 668.976

1.077e+005



I18671 Smooth(Mn,2x3)

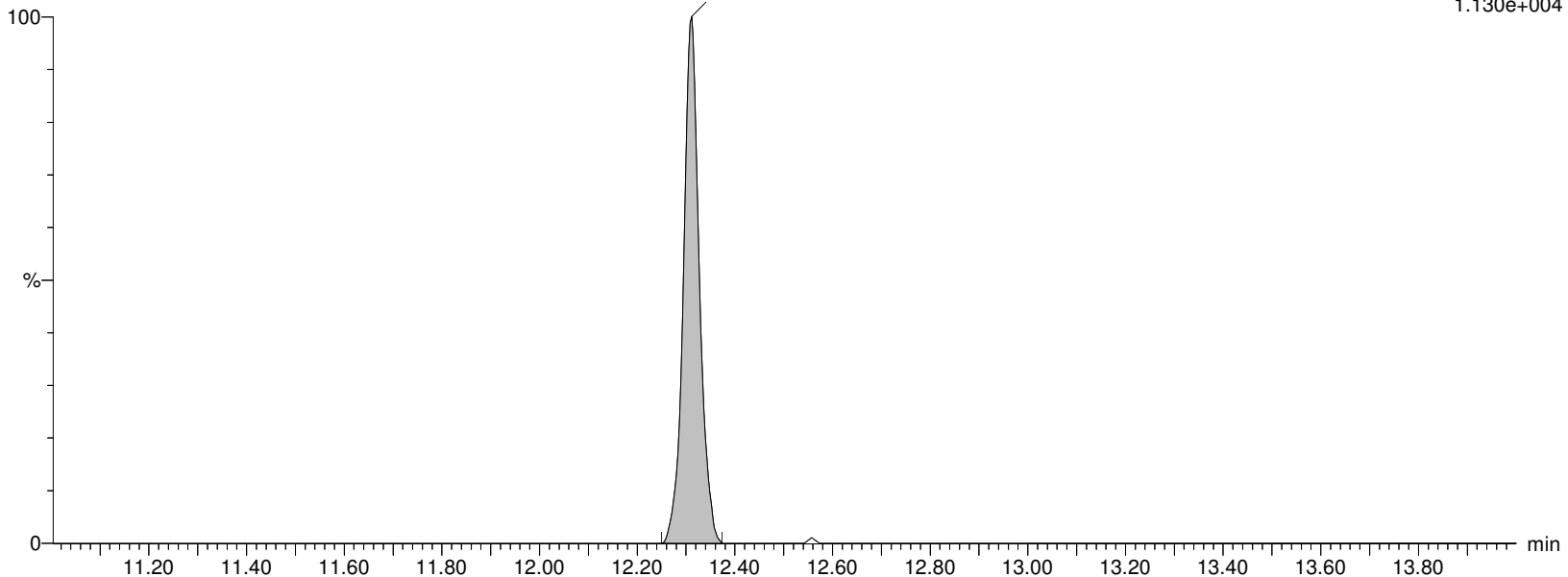
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

PFTA
12.31

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.130e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

I18671 Smooth(Mn,2x3)

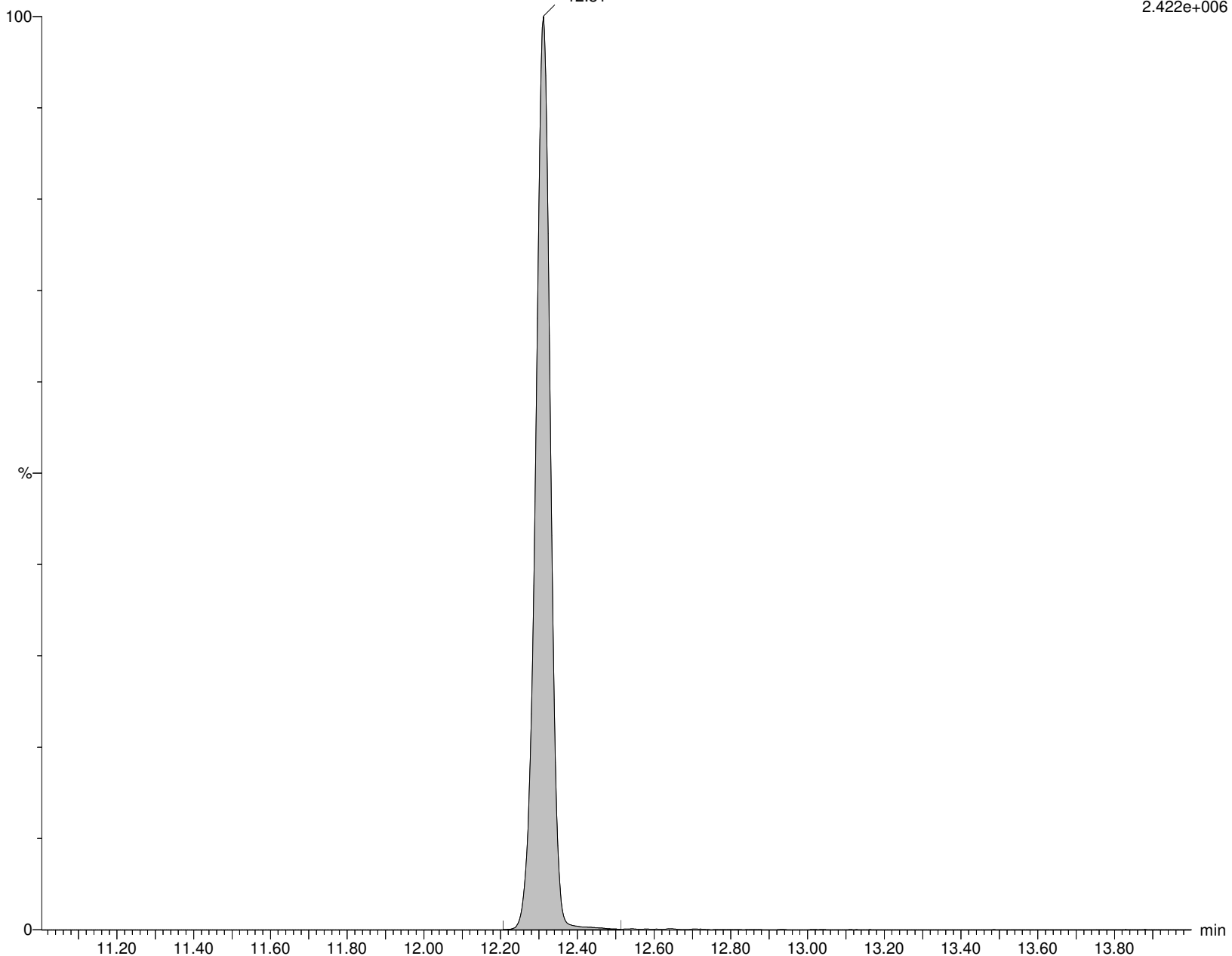
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

M2PFTEDA
12.31

F62:MRM of 1 channel, ES-

715.053 > 669.945

2.422e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

I18671 Smooth(Mn,2x4)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW M3HFPO-DA

F13:MRM of 1 channel, ES-

331.989 > 286.995

1.479e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

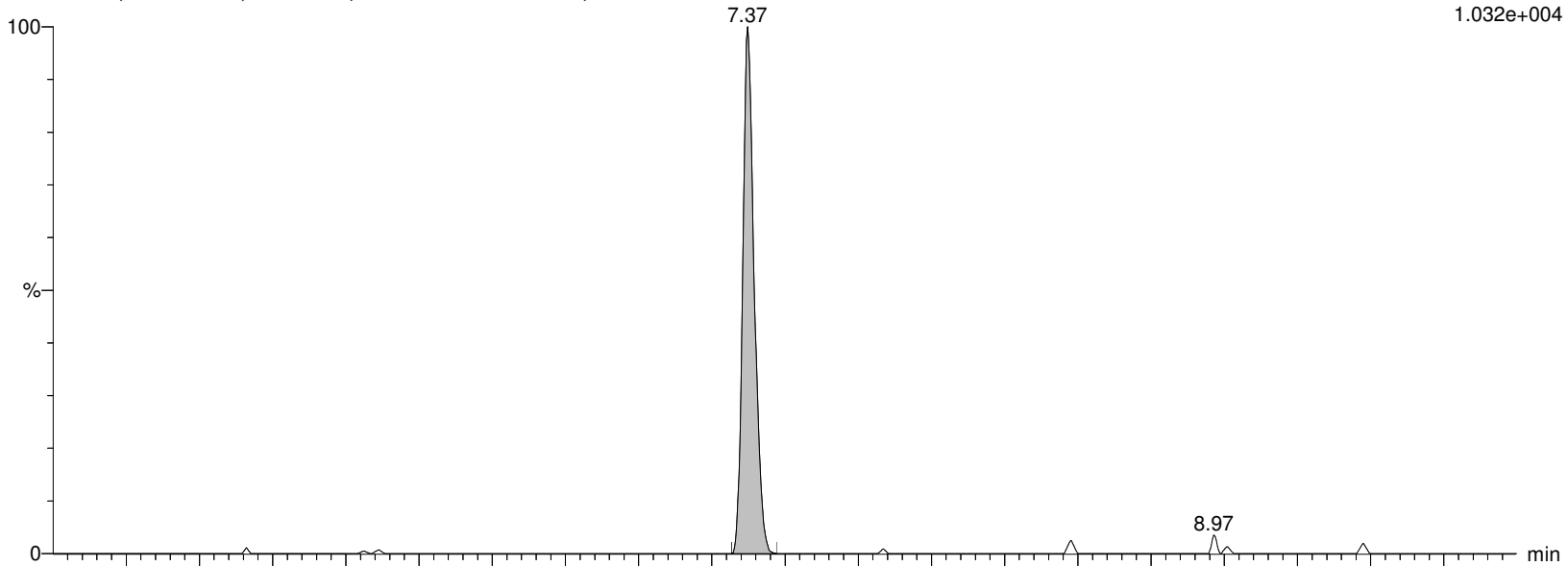
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW HFPO-DA

F6:MRM of 2 channels, ES-

284.819 > 169.094

1.032e+004



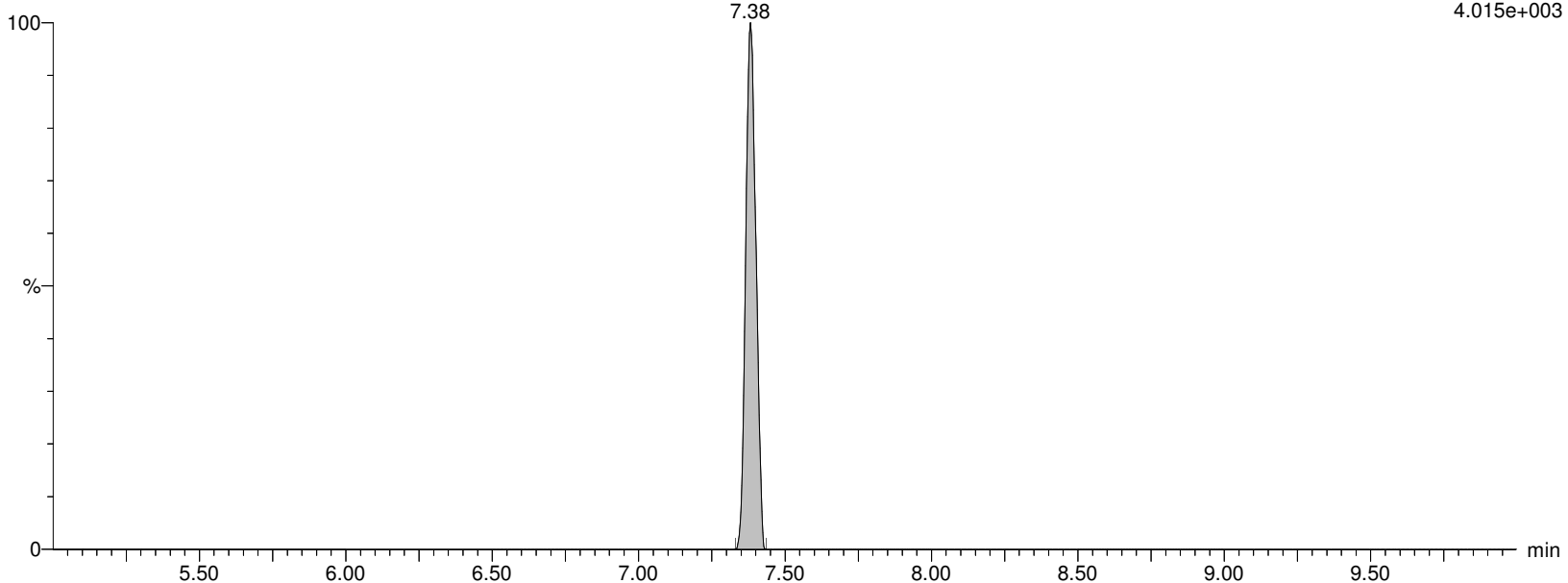
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW HFPO-DA

F6:MRM of 2 channels, ES-

328.989 > 284.982

4.015e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****ADONA**

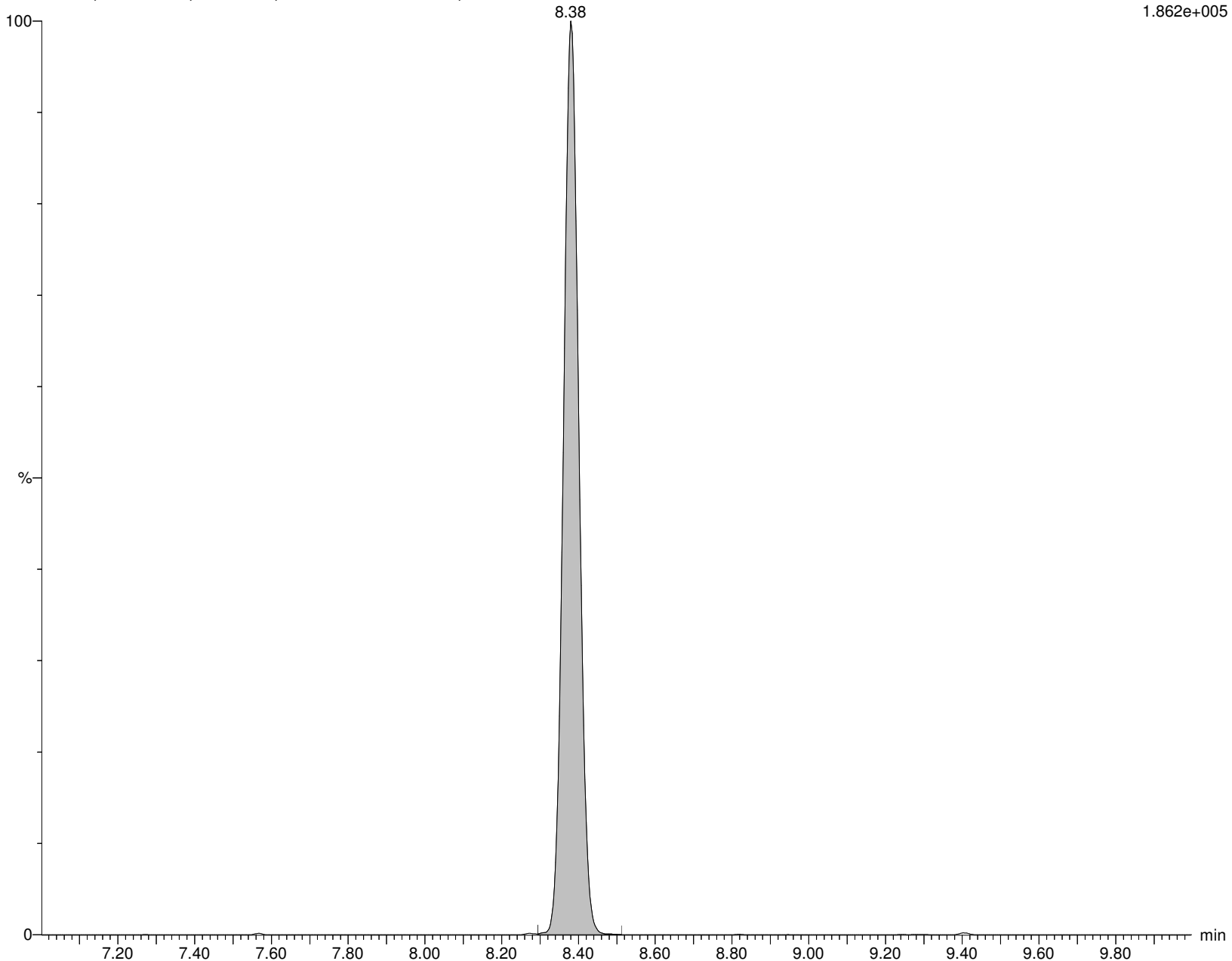
I18671 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW ADONA

F17:MRM of 2 channels, ES-

376.926 > 251.005

1.862e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

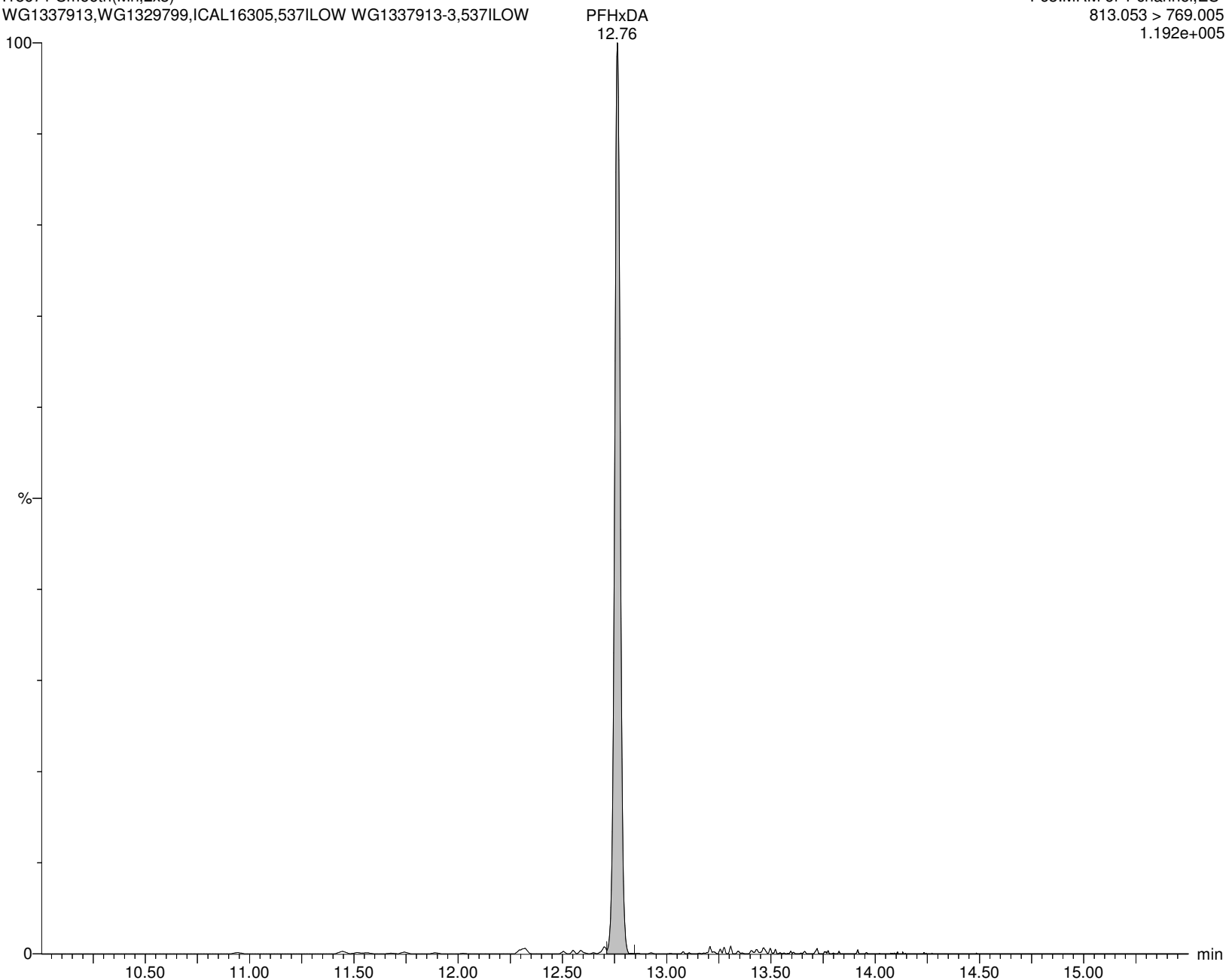
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.192e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

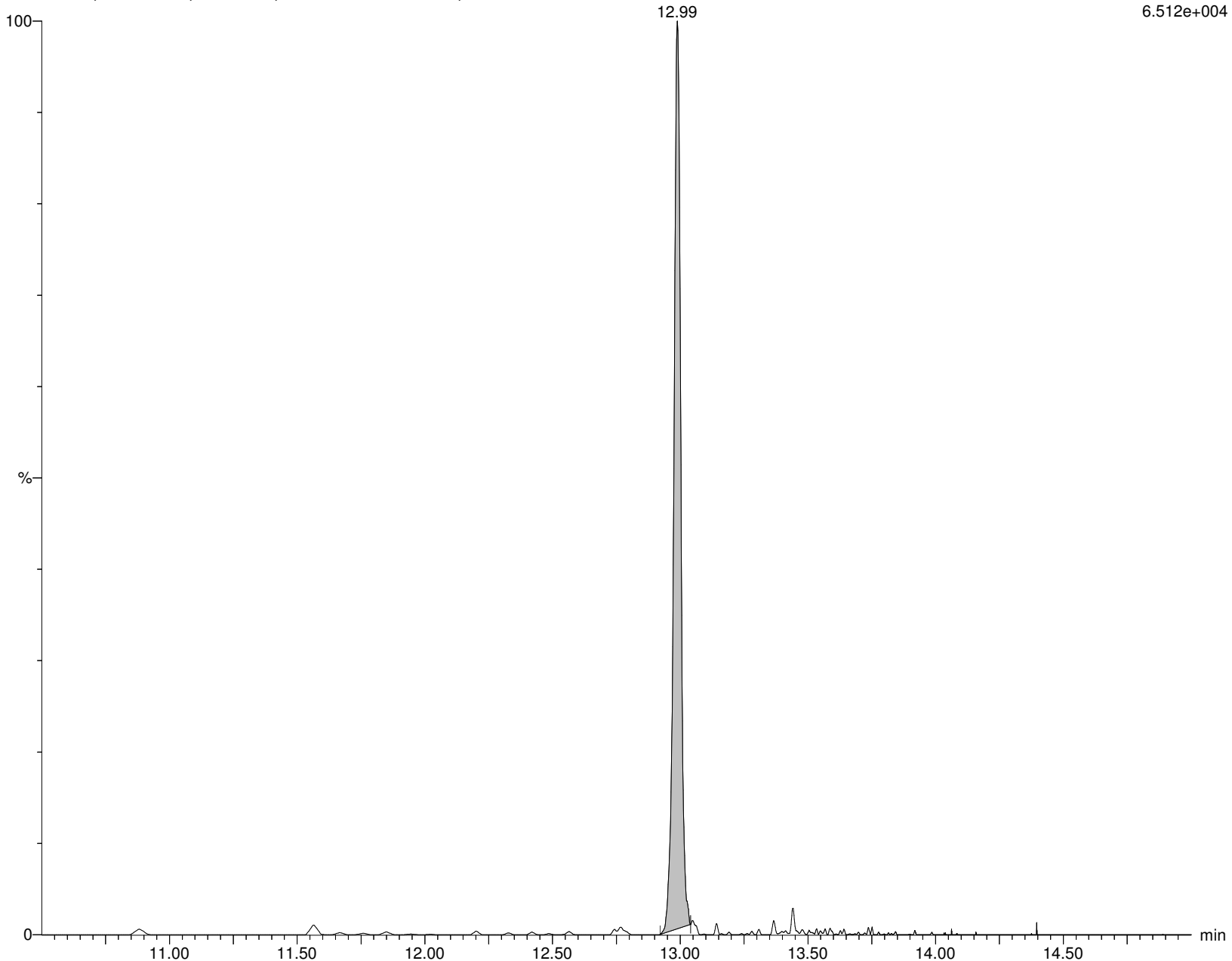
I18671 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

F65:MRM of 1 channel,ES-

912.989 > 869.032

6.512e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFHxDA

I18671 Smooth(Mn,2x3)

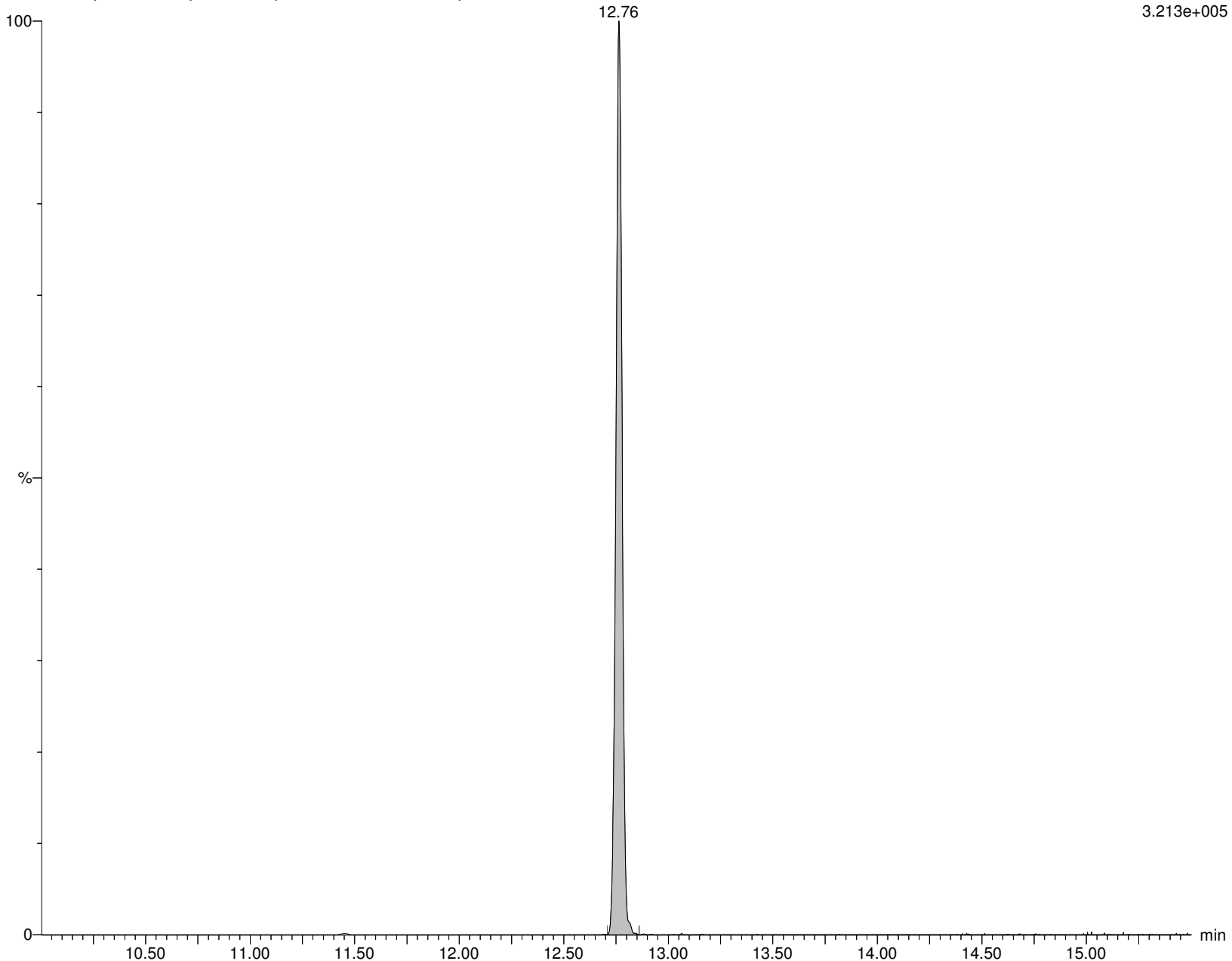
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-3,537ILOW

M2PFHxDA

F64:MRM of 1 channel,ES-

815.372 > 770.158

3.213e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

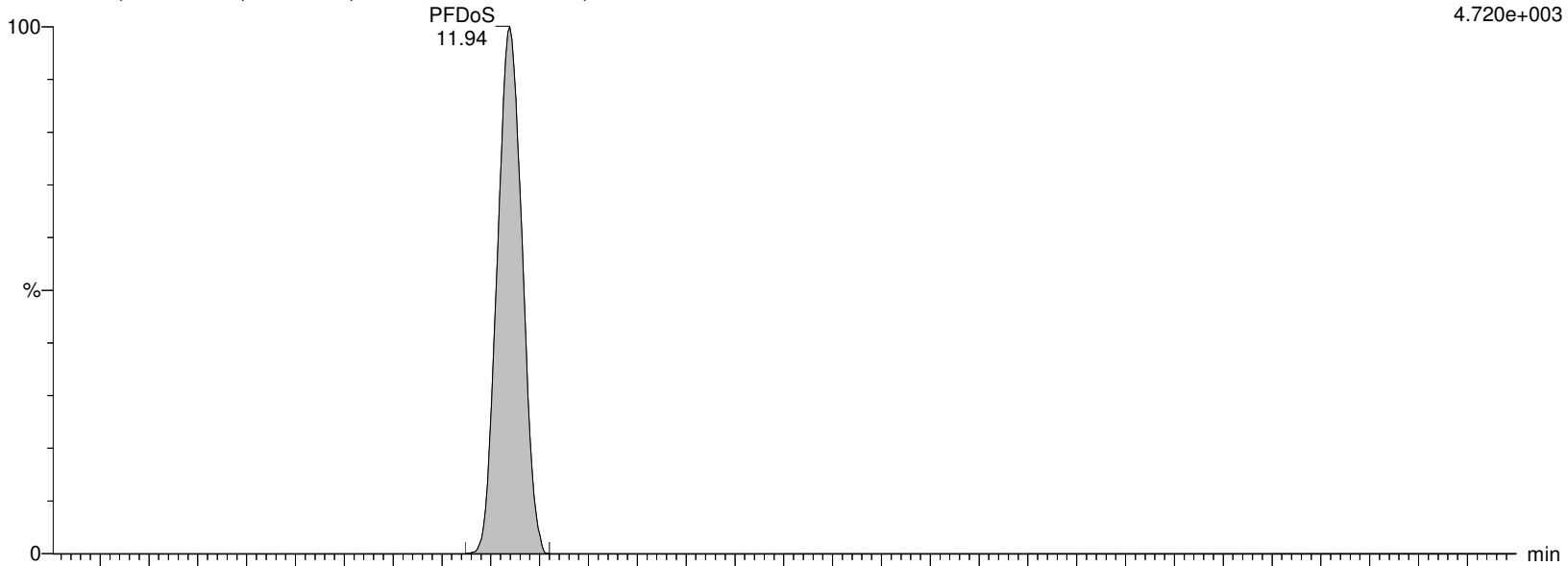
I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 79.853

4.720e+003



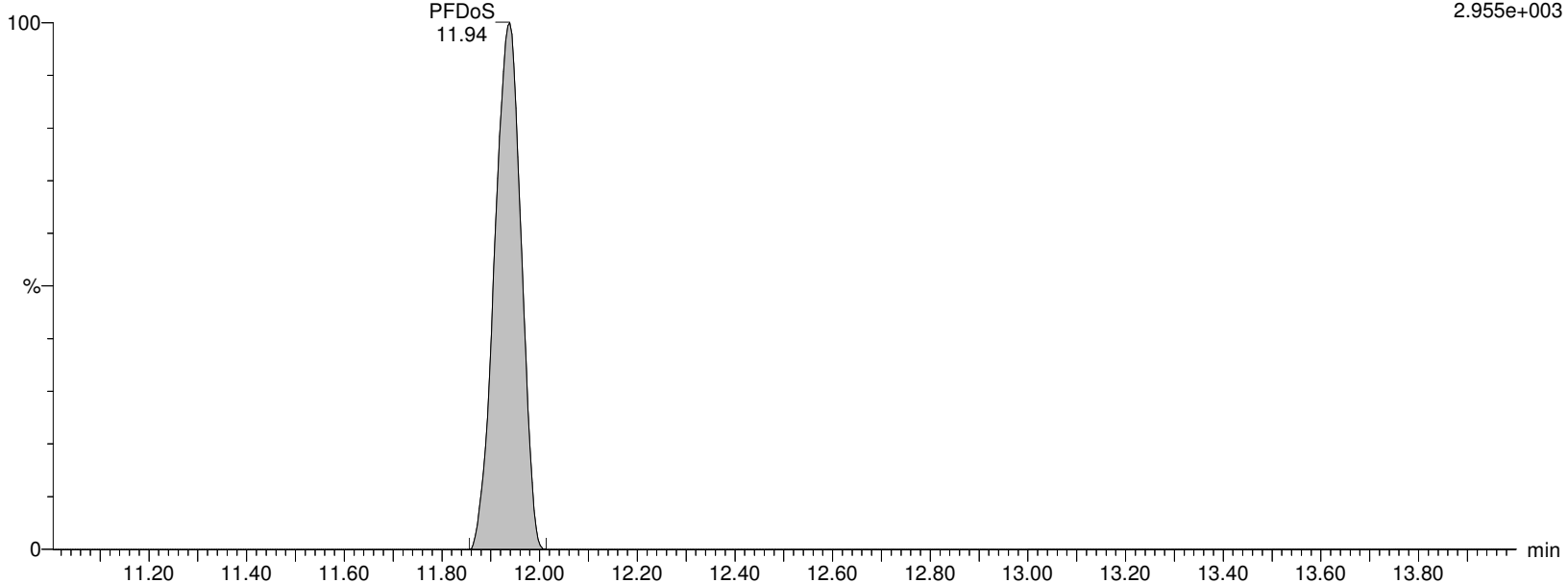
I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 98.786

2.955e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

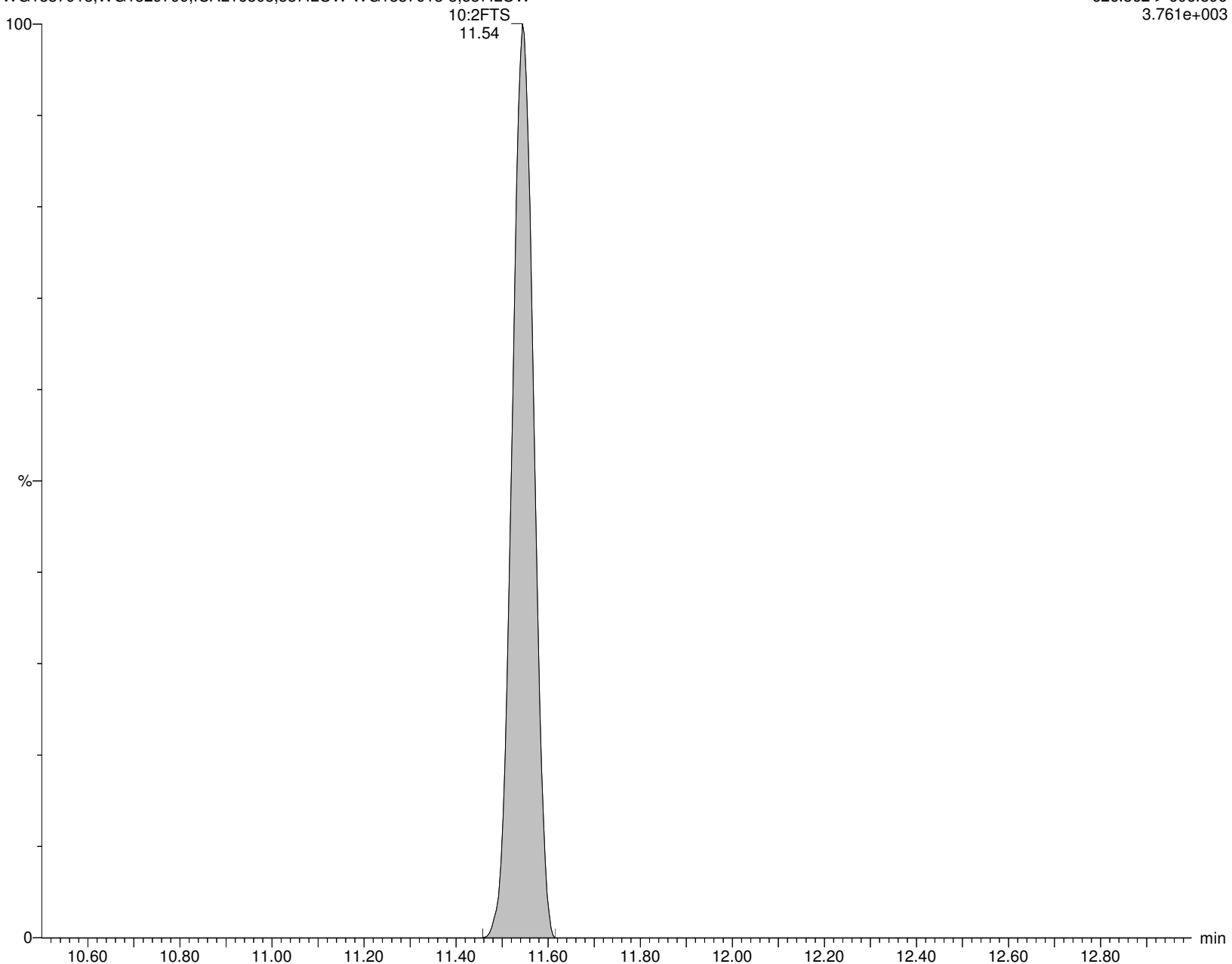
I18671 Smooth(Mn,2x4)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F55:MRM of 1 channel, ES-

626.862 > 606.896

3.761e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671

ID: WG1337913-3,537ILOW

Date: 06-Feb-2020

Time: 22:12:30

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

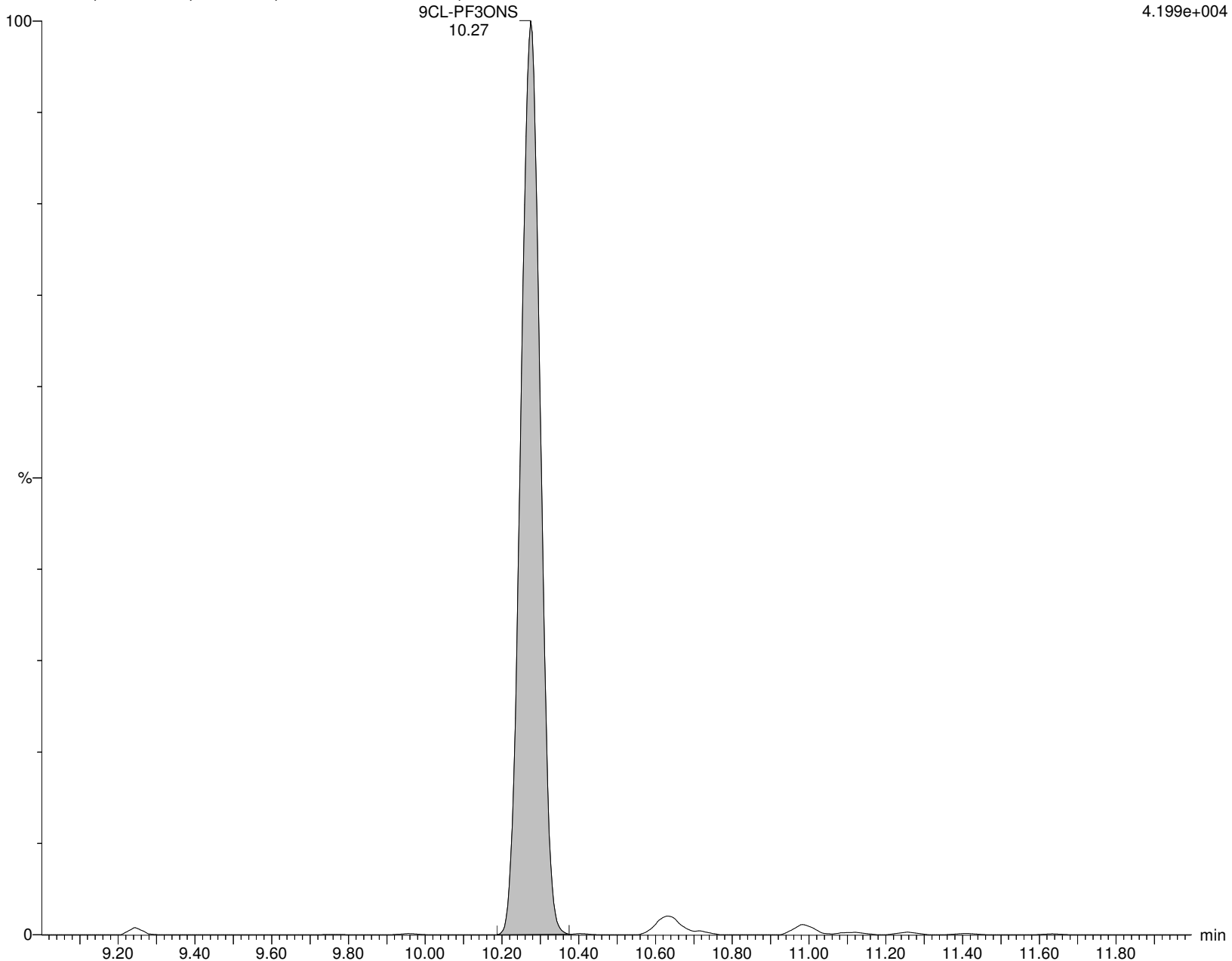
I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F41:MRM of 1 channel, ES-

530.862 > 350.843

4.199e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913B.qld

Last Altered: Friday, February 07, 2020 16:14:12 Eastern Standard Time

Printed: Friday, February 07, 2020 16:26:21 Eastern Standard Time

Name: I18671**ID: WG1337913-3,537ILOW****Date: 06-Feb-2020****Time: 22:12:30****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****11CL-PFOUdS**

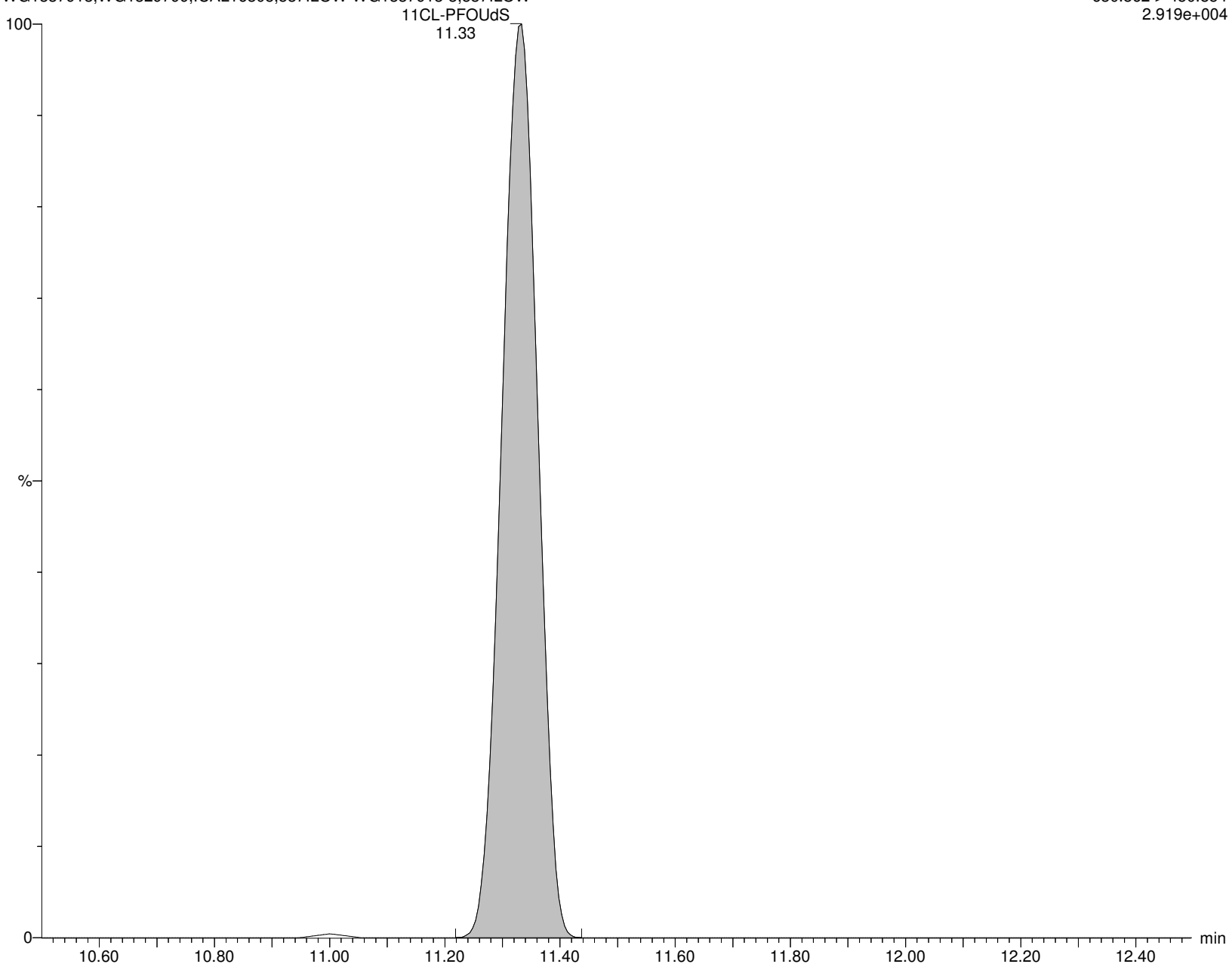
I18671 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-3,537ILOW

F57:MRM of 1 channel, ES-

630.862 > 450.854

2.919e+004



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld
Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time
Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22
Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1337913-4,537IMED
Name: I18695
Date: 07-Feb-2020
Time: 04:49:50
Description: WG1337913,WG1332696,ICAL16305,537IMED
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	42901		9.083		na	90.8
2	M3PFBA	INT STD	2.20	215.926 > 172.122	48825		10.537		na	105.4
3	MPFBA	INT STD	2.19	216.926 > 172.137	56567		10.646		na	106.5
4	PFPeA	2706-90-3	5.08	262.926 > 219.002	82829		9.295		na	92.9
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	92272		12.244		na	122.4
6	PFBS	375-73-5	5.72	298.926 > 79.923	14377 M2		8.274	2.00	NO	93.5
7	M3PFBS	INT STD	5.72	301.989 > 80.254	11826		9.138		na	91.4
8	4:2FTS	757124-72-4	6.87	326.926 > 306.957	8440		9.191	2.17	NO	98.3
9	M2-4:2FTS	INT STD	6.87	329.117 > 309.079	8505		10.122		na	101.2
10	PFHxA	307-24-4	6.96	312.989 > 269.028	93380		9.141	18.73	NO	91.4
11	M5PFHxA	INT STD	6.96	317.989 > 273.045	110971		9.815		na	98.2
12	PFPeS	2706-91-4	7.27	348.926 > 80.251	9840		7.757	1.78	NO	82.5
13	PFHpA	375-85-9	8.18	362.926 > 319.014	124283		8.728	5.98	NO	87.3
14	M4PFHpA	INT STD	8.18	366.926 > 321.979	157866		10.482		na	104.8
15	br-PFHxS	355-46-4	8.11	398.926 > 80.295	1227 M5		1.361	1.99	NO	80.1
16	L-PFHxS	355-46-4	8.33	398.926 > 80.295	6561		6.905	1.24	NO	93.3
17	PFHxS	355-46-4		398.926 > 80.295	7788		8.266		na	
18	M3PFHxS	INT STD	8.33	401.926 > 80.317	7585		10.155		na	101.5
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.09	412.989 > 368.9	128473		9.238	10.90	NO	92.4
21	PFOA	335-67-1		412.989 > 368.9	128473		9.238		na	
22	M8PFOA	INT STD	9.08	420.989 > 375.979	151457		10.480		na	104.8
23	M2PFOA	INT STD	9.09	415.032 > 369.968	147693		13.971		na	139.7
24	6:2FTS	27619-97-2	9.05	426.989 > 406.921	7194		9.283	12.77	NO	97.7
25	M2-6:2FTS	INT STD	9.04	428.989 > 408.917	9764		11.890		na	118.9
26	PFHpS	375-92-8	9.17	448.926 > 80.257	5251		7.857	0.78	NO	82.7
27	PFNA	375-95-1	9.83	462.989 > 418.931	113206		9.002	4.66	NO	90.0
28	M9PFNA	INT STD	9.83	472.053 > 426.947	153509		10.796		na	108.0
29	br-PFOS	1763-23-1	9.69	498.989 > 80.294	2031 M5		1.528	5.43	NO	76.4
30	L-PFOS	1763-23-1	9.88	498.989 > 80.294	6288		6.313	1.53	YES	86.5
31	PFOS	1763-23-1		498.989 > 80.294	8319		7.841		na	
32	M4PFOS	INT STD	9.88	503.032 > 80.306	9246		13.238		na	132.4
33	M8PFOS	INT STD	9.88	507.053 > 80.294	10149		10.698		na	107.0
34	PFDA	335-76-2	10.45	513.053 > 468.906	109615		8.923	6.87	NO	89.2
35	M2PFDA	INT STD	10.45	515.053 > 469.934	128249		14.526		na	145.3
36	M6PFDA	INT STD	10.45	519.053 > 473.931	143199		10.804		na	108.0
37	8:2FTS	39108-34-4	10.44	526.926 > 506.818	6165		9.312		na	97.0
38	M2-8:2FTS	INT STD	10.44	529.053 > 508.945	6270		13.016		na	130.2
39	PFNS	68259-12-1	10.48	548.989 > 80.249	7803		8.265	1.29	NO	86.1

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

ID: WG1337913-4,537IMED

Name: I18695

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.83	573.096 > 418.987	16392		10.859		na	108.6
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.84	570.053 > 418.917	14749		9.654	2.45	NO	96.5
43	NMeFOSAA	2355-31-9		570.053 > 418.917	14749		9.654		na	
44	PFUnA	2058-94-8	10.99	562.989 > 518.903	117968		9.117	8.54	NO	91.2
45	M7-PFUDA	INT STD	10.99	570.053 > 524.923	135307		11.507		na	115.1
46	PFDS	335-77-3	11.00	598.926 > 80.314	5424		8.037	0.99	NO	83.3
47	FOSA	754-91-6	10.88	497.989 > 78.245	21775		8.747	117.44	NO	87.5
48	M8FOSA	INT STD	10.88	506.053 > 78.286	23429		7.476		na	74.8
49	d5-NEtFOSAA	INT STD	11.12	589.117 > 418.929	13837		10.377		na	103.8
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.13	583.989 > 418.927	12814		9.810	2.88	NO	98.1
52	NEtFOSAA	2991-50-6		583.989 > 418.927	12814		9.810		na	
53	PFDoA	307-55-1	11.47	612.989 > 568.967	102658		9.320	14.17	NO	93.2
54	MPFDOA	INT STD	11.47	614.989 > 569.92	130053		9.858		na	98.6
55	PFTTrDA	72629-94-8	11.91	663.053 > 618.969	88293		10.020	11.34	NO	100.2
56	PFTA	376-06-7	12.28	713.053 > 668.976	78201		9.320	9.15	NO	93.2
57	M2PFTEDA	INT STD	12.28	715.053 > 669.945	104775		9.999		na	100.0
58	M3HFPO-DA	INT STD	7.38	331.989 > 286.995	11060		174.671		na	87.3
59	HFPO-DA	13252-13-6	7.38	284.819 > 169.094	15110		164.544	2.49	YES	82.3
60	ADONA	958445-44-8	8.35	376.926 > 251.005	170383		8.557		na	90.4
61	PFHxDA		12.76	813.053 > 769.005	60913		15.204		na	152.0
62	PFODA		12.99	912.989 > 869.032	39561		13.463		na	134.6
63	M2PFHxDA		12.76	815.372 > 770.158	10983		4.924		na	49.2
64	PFDoS		11.89	698.649 > 79.853	7303		10.616	2.10	YES	106.2
65	10:2FTS		11.49	626.862 > 606.896	5062		7.896		na	81.9
66	9CL-PF3ONS		10.22	530.862 > 350.843	53962		8.090		na	86.8
67	11CL-PFOUDS		11.26	630.862 > 450.854	43664		7.765		na	82.4

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

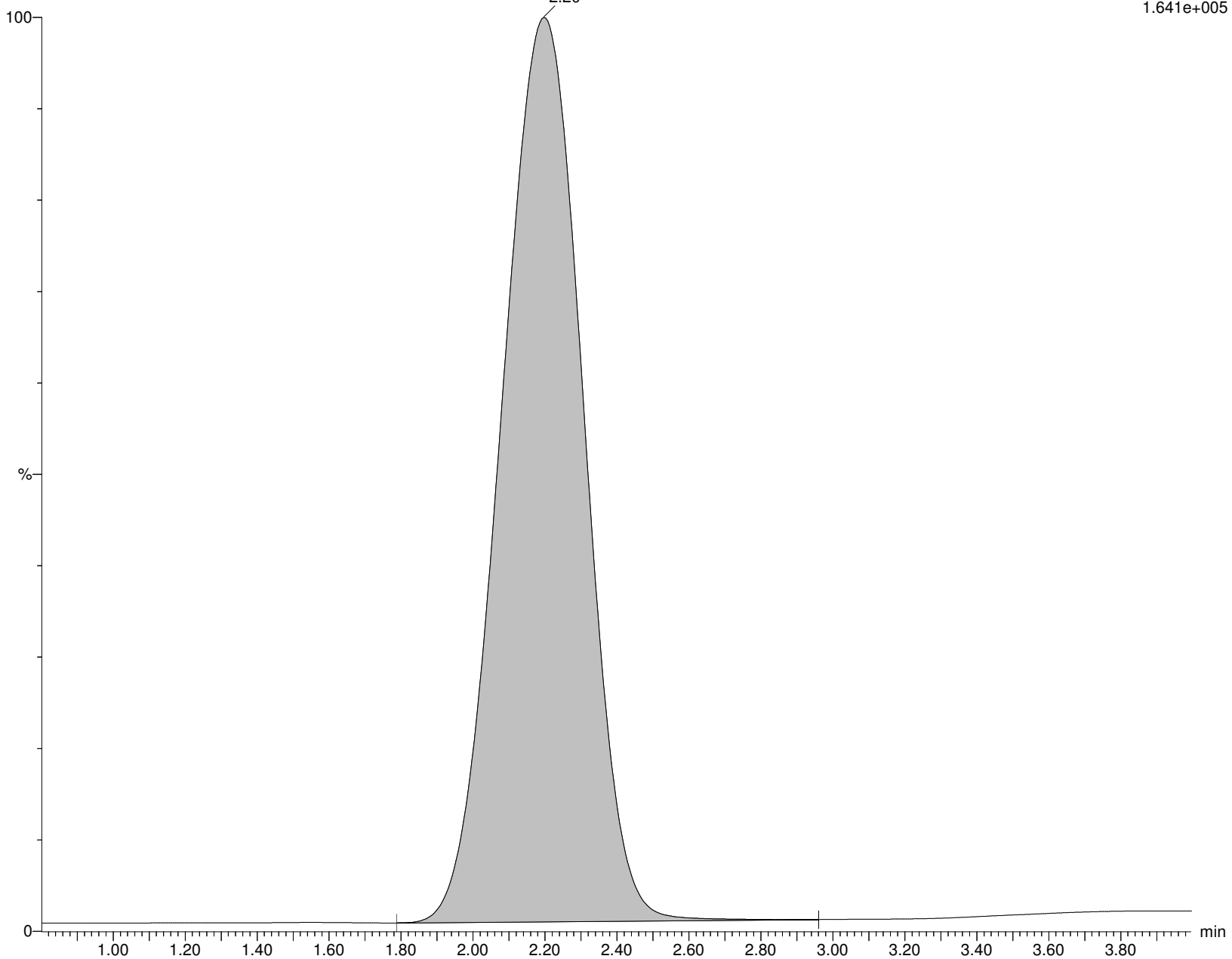
I18695 Smooth(Mn,8x8)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED PFBA

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.641e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

I18695 Smooth(Mn,8x8)

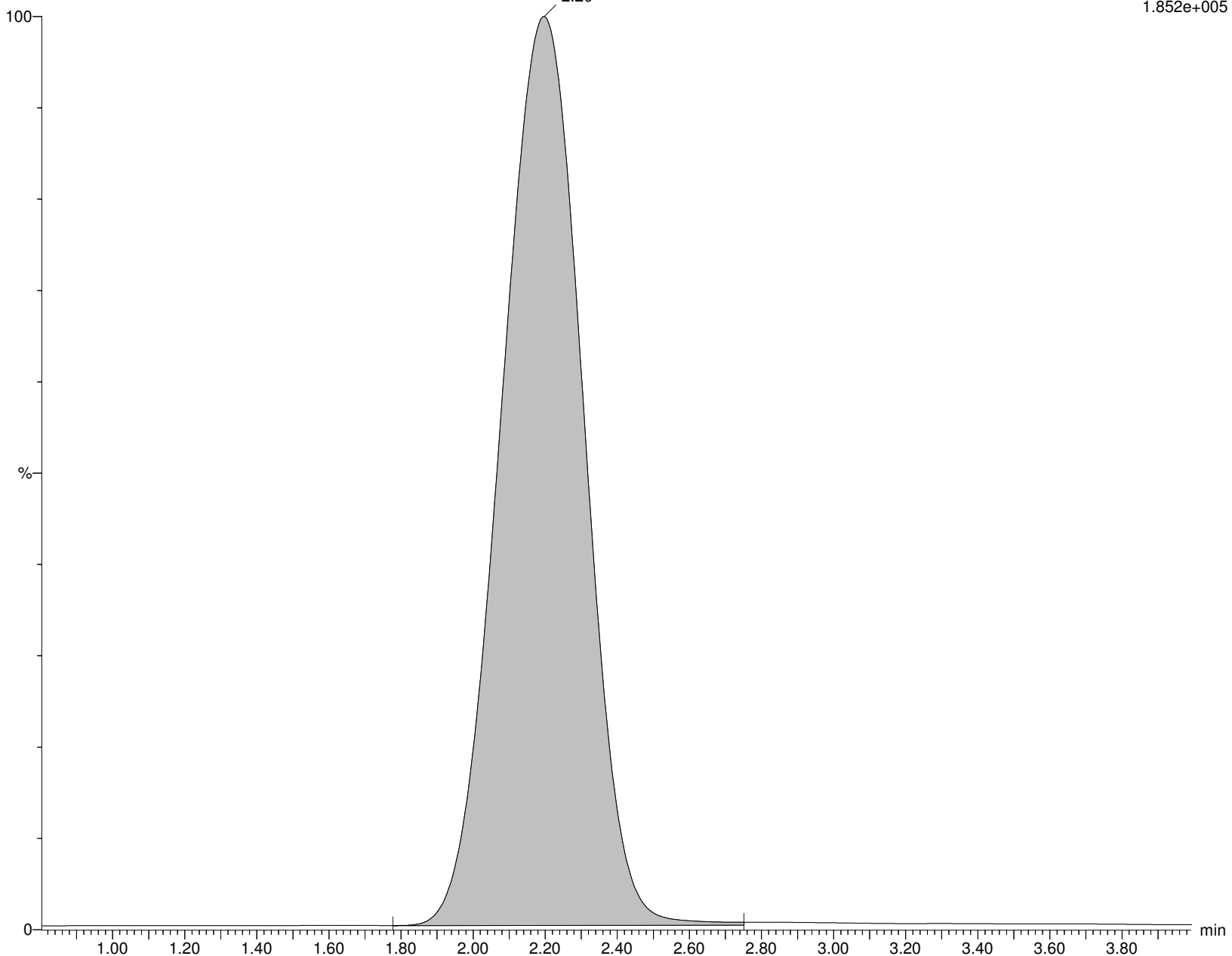
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M3PFBA
2.20

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.852e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

I18695 Smooth(Mn,8x8)

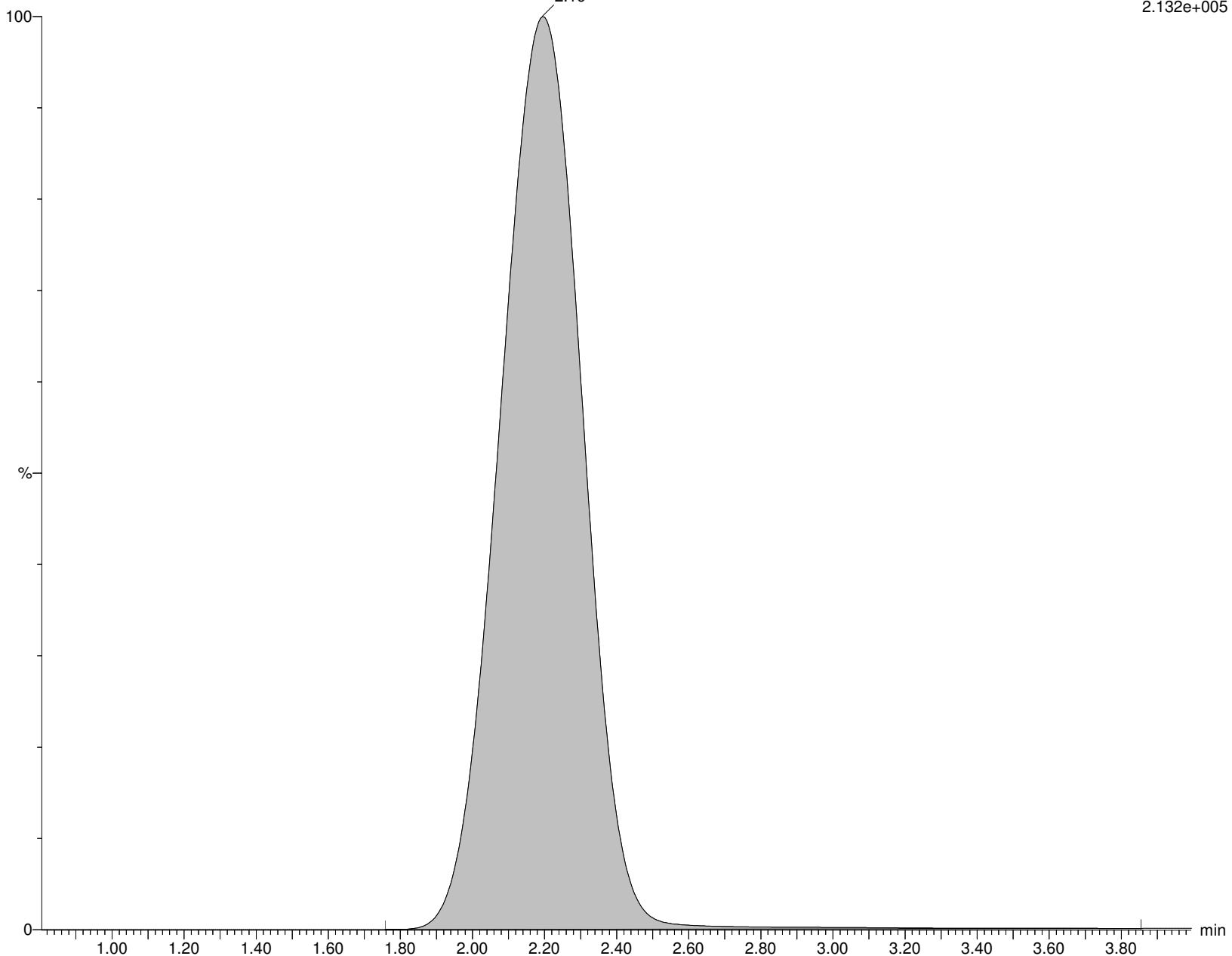
WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

MPFBA
2.19

F3:MRM of 1 channel,ES-

216.926 > 172.137

2.132e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

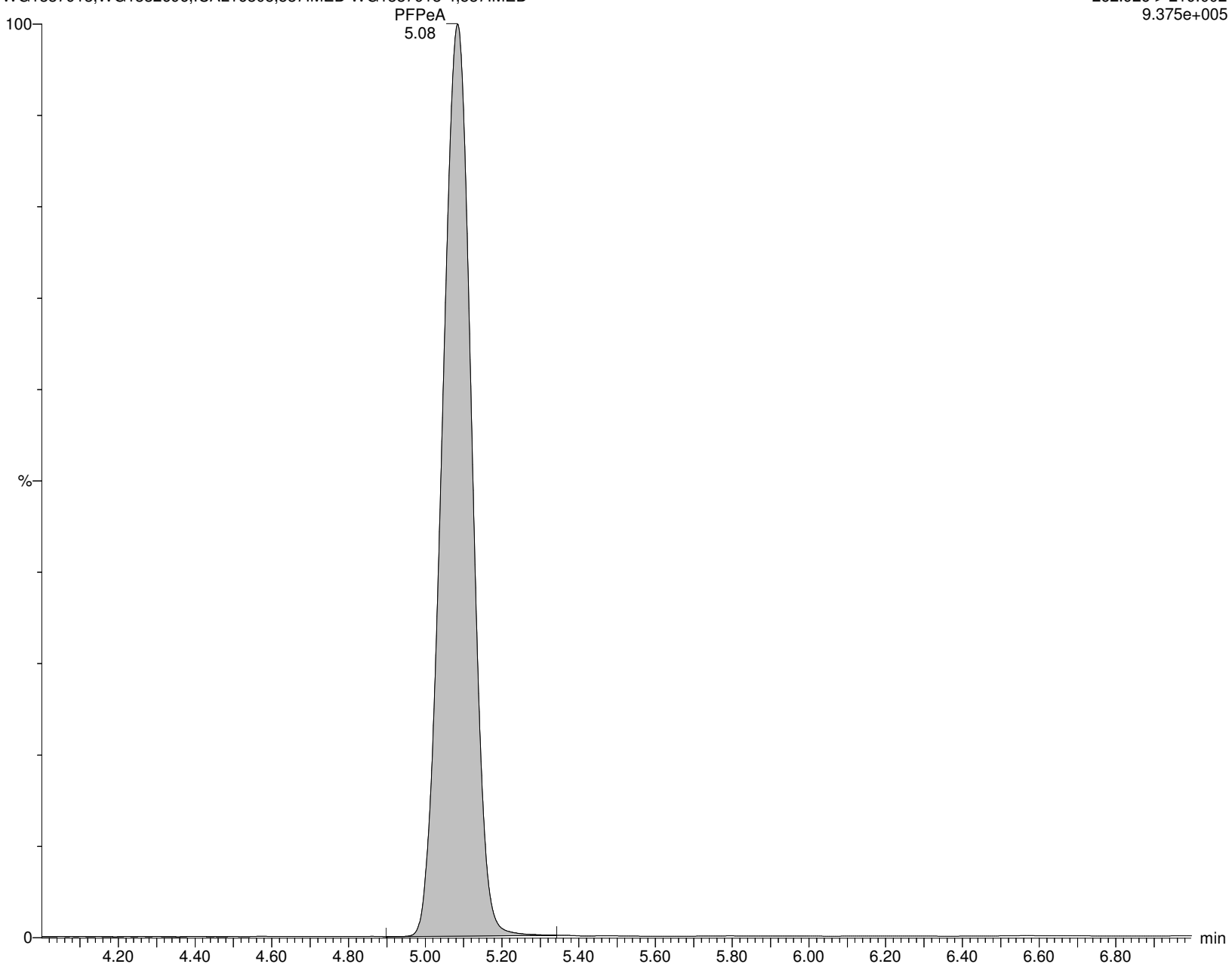
I18695 Smooth(Mn,7x7)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F4:MRM of 1 channel,ES-

262.926 > 219.002

9.375e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

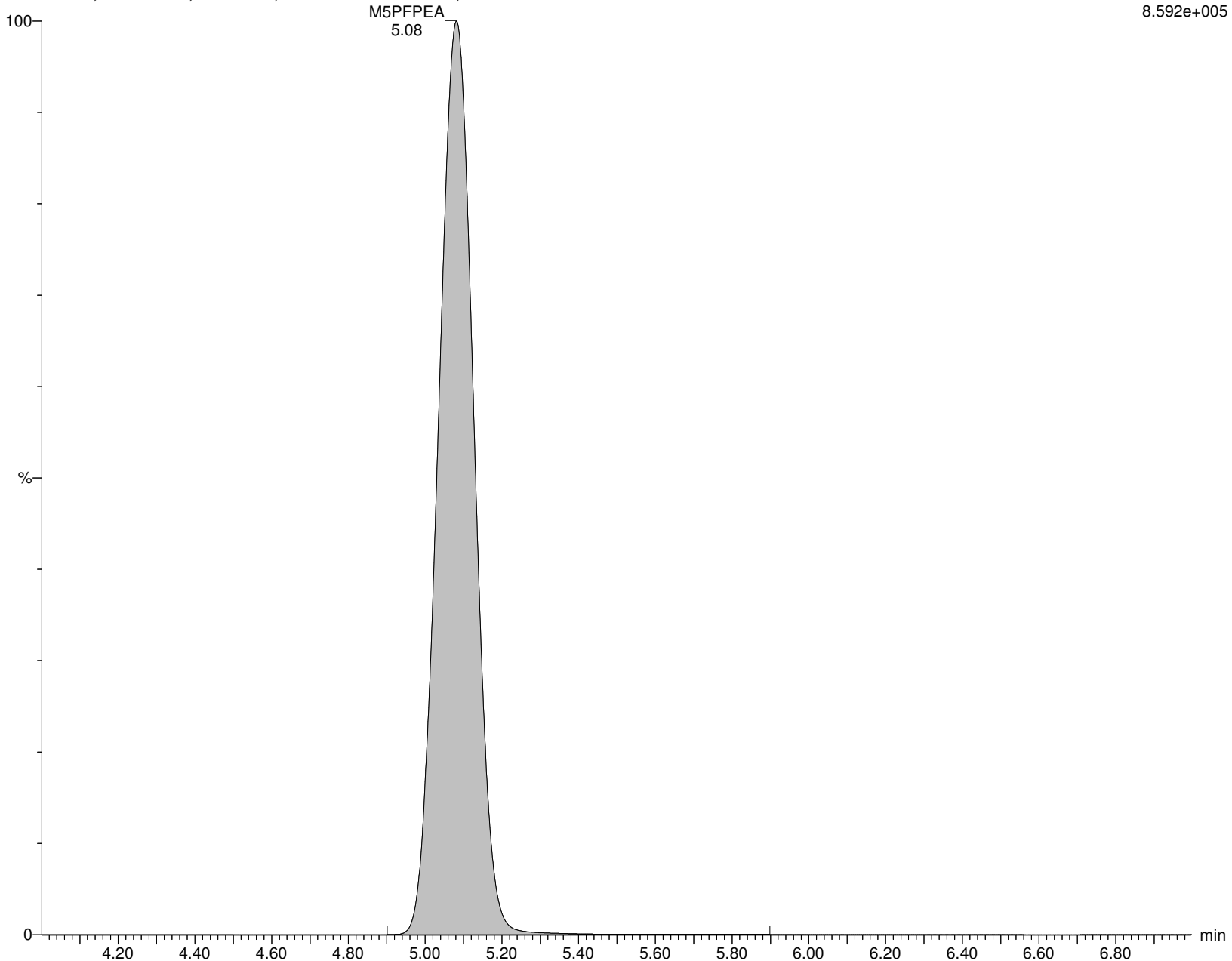
I18695 Smooth(Mn,10x10)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F5:MRM of 1 channel,ES-

267.989 > 223.081

8.592e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

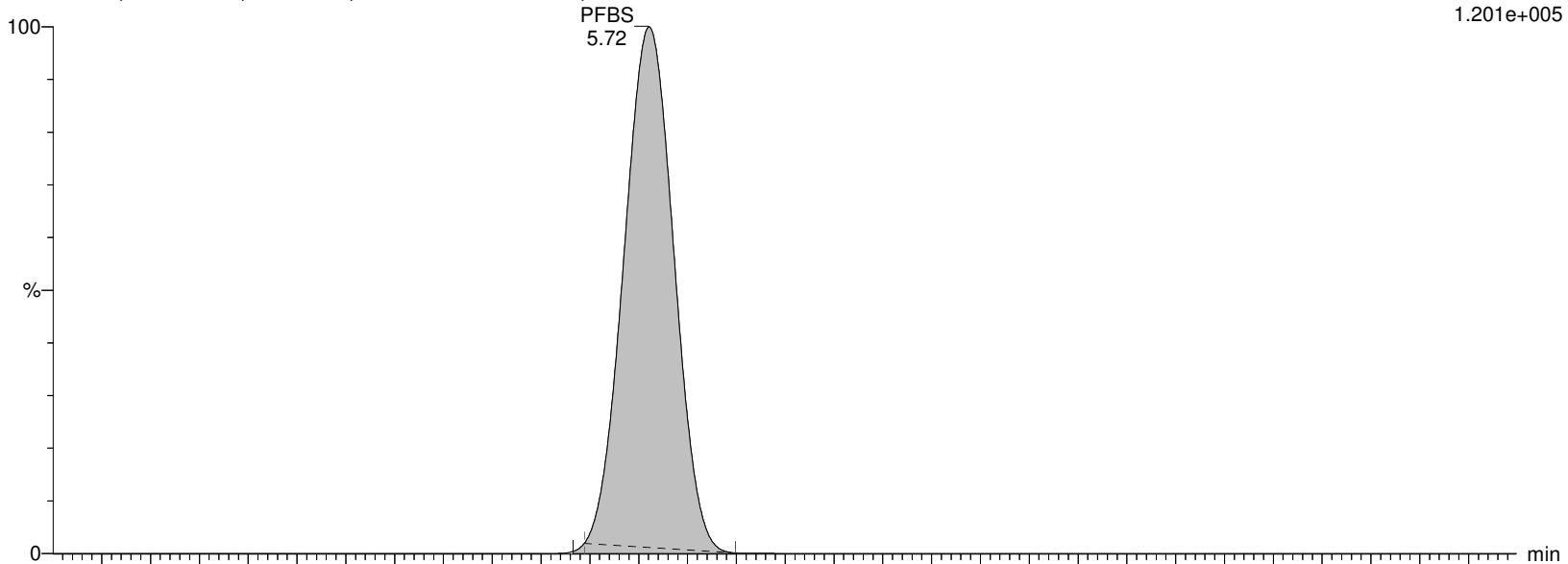
I18695 Smooth(Mn,10x10)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F7:MRM of 2 channels, ES-

298.926 > 79.923

1.201e+005



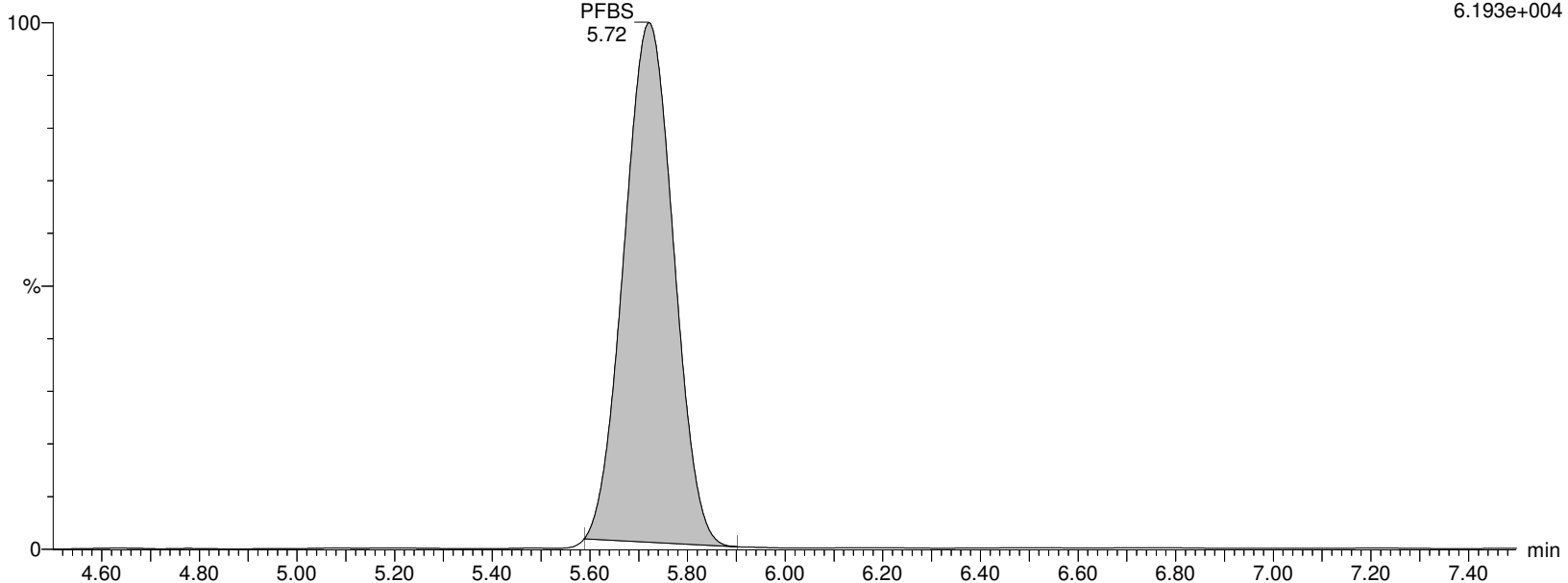
I18695 Smooth(Mn,10x10)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F7:MRM of 2 channels, ES-

298.926 > 98.862

6.193e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

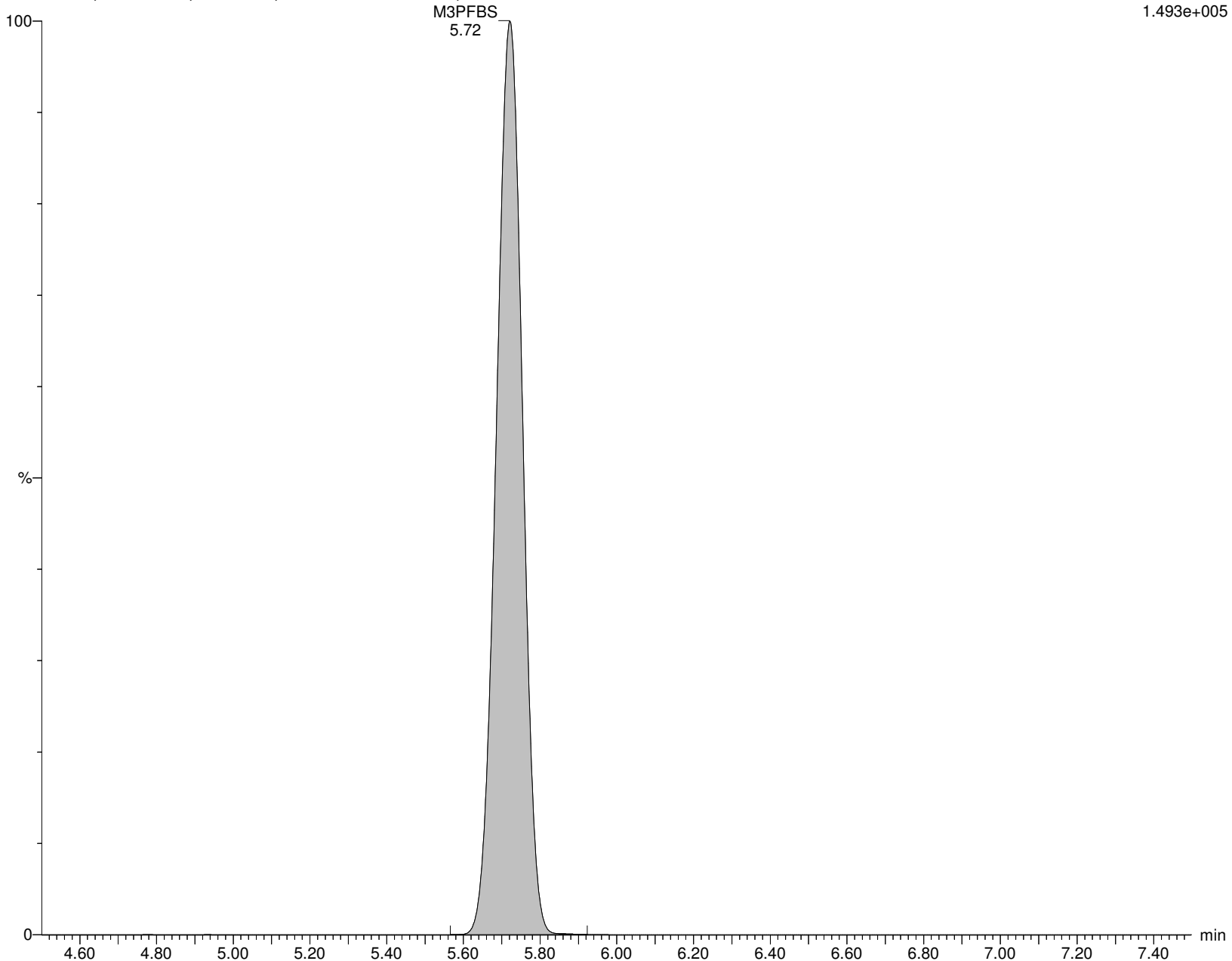
I18695 Smooth(Mn,6x6)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.493e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****4:2FTS**

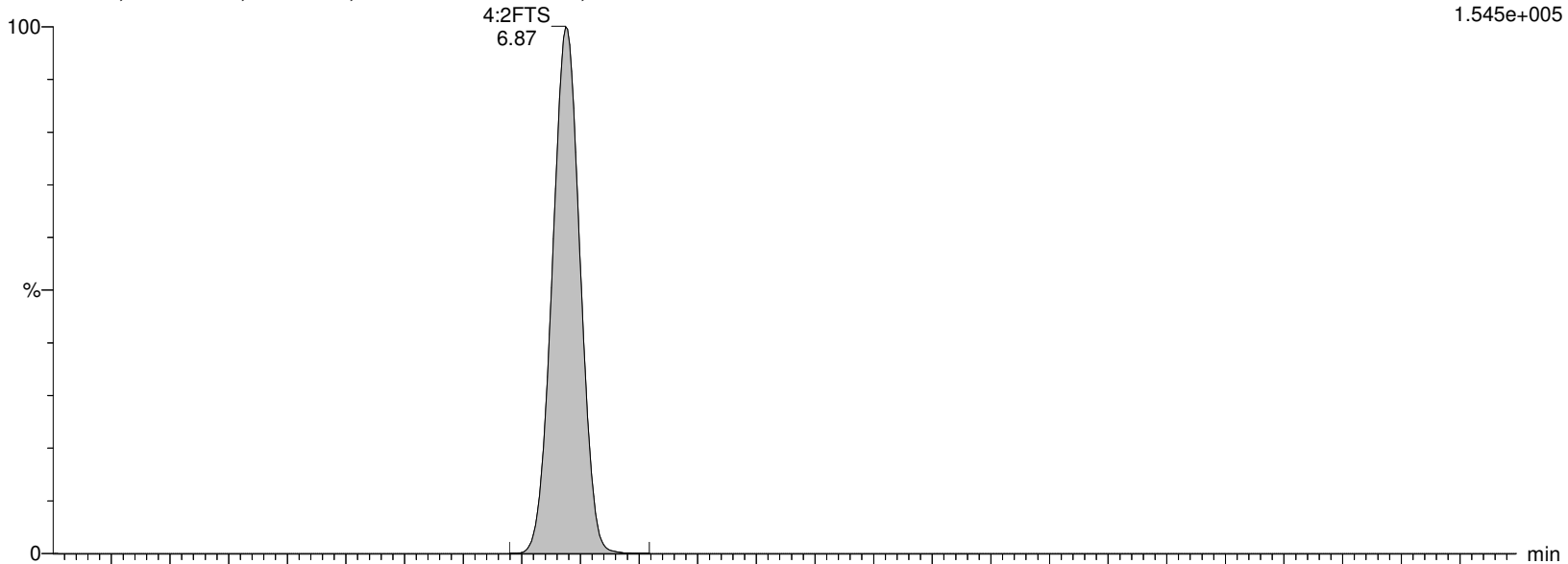
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.545e+005



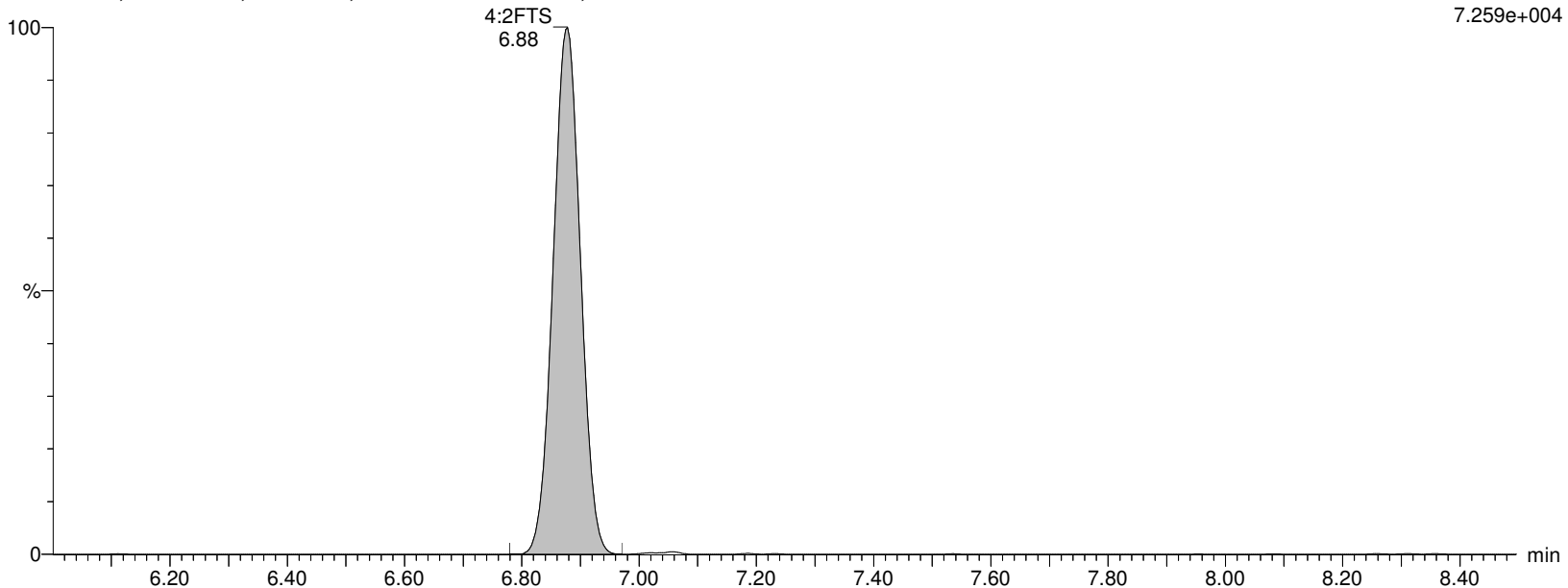
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F11:MRM of 2 channels, ES-

326.926 > 81.02

7.259e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

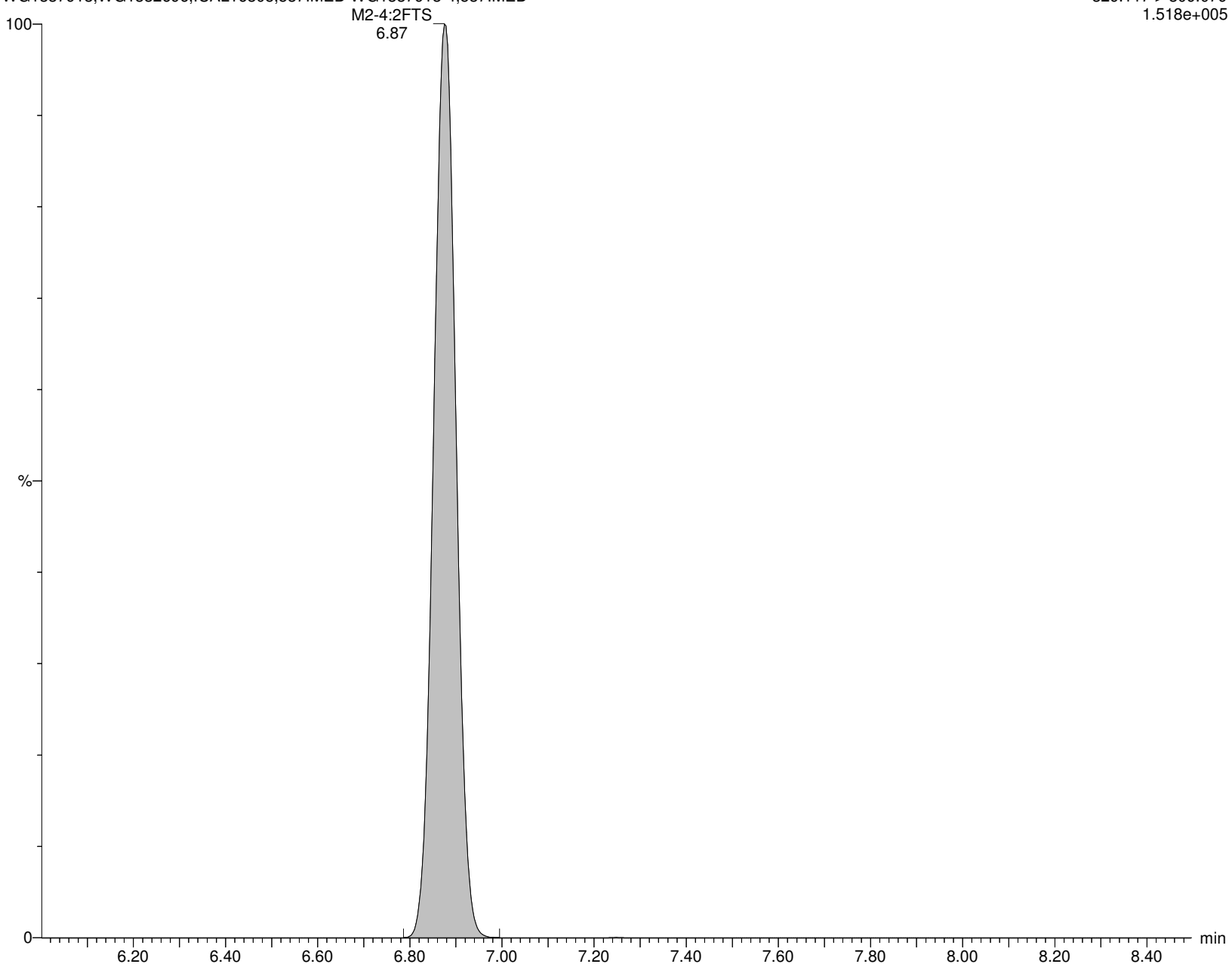
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.518e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

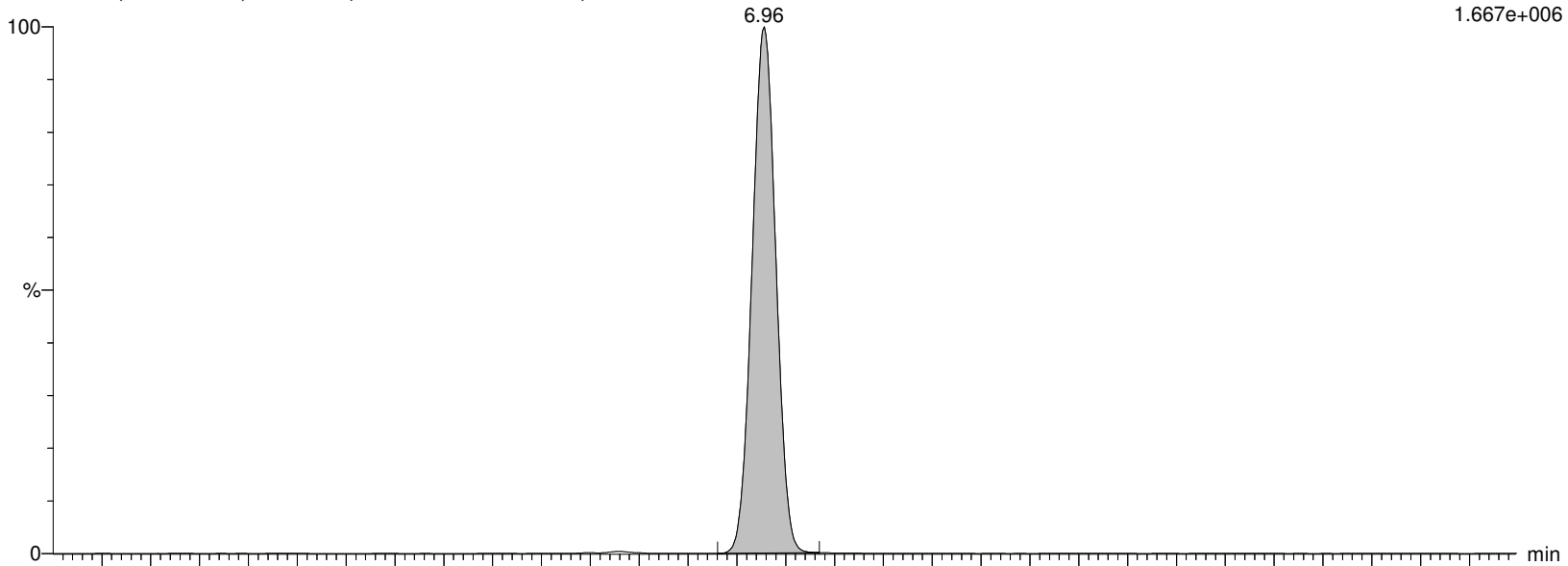
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.667e+006



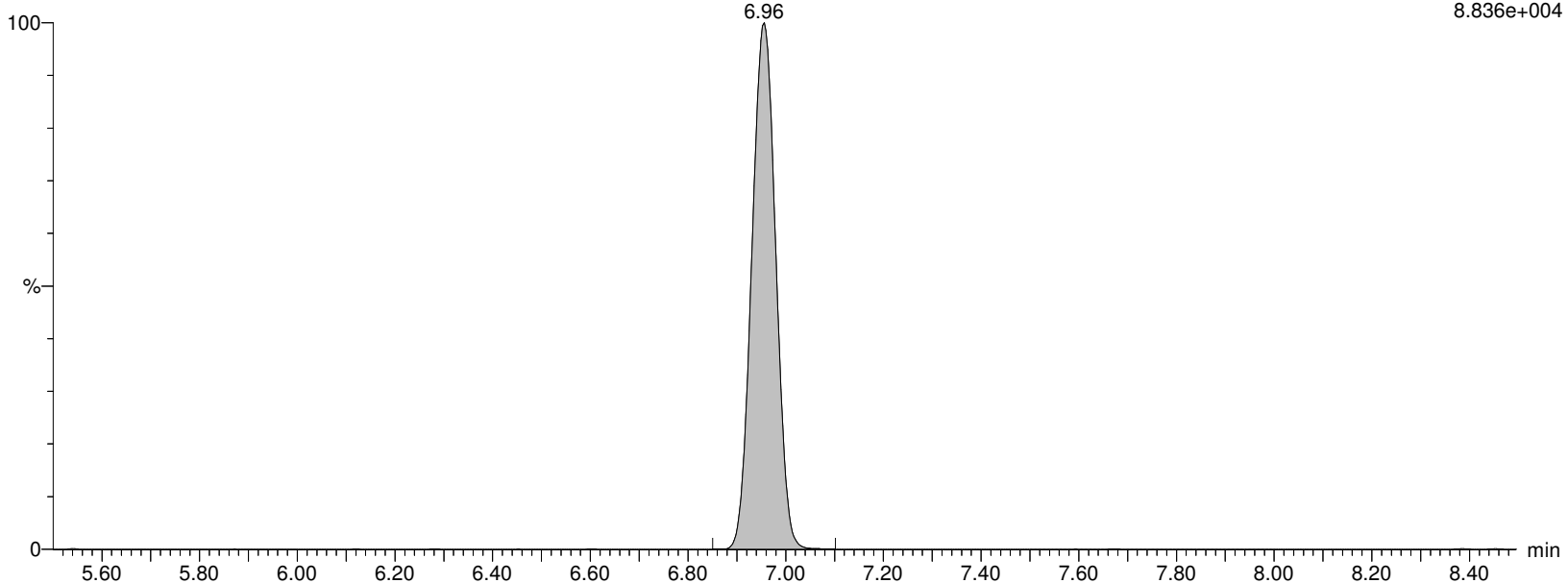
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F9:MRM of 2 channels, ES-

312.989 > 119.18

8.836e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

I18695 Smooth(Mn,2x3)

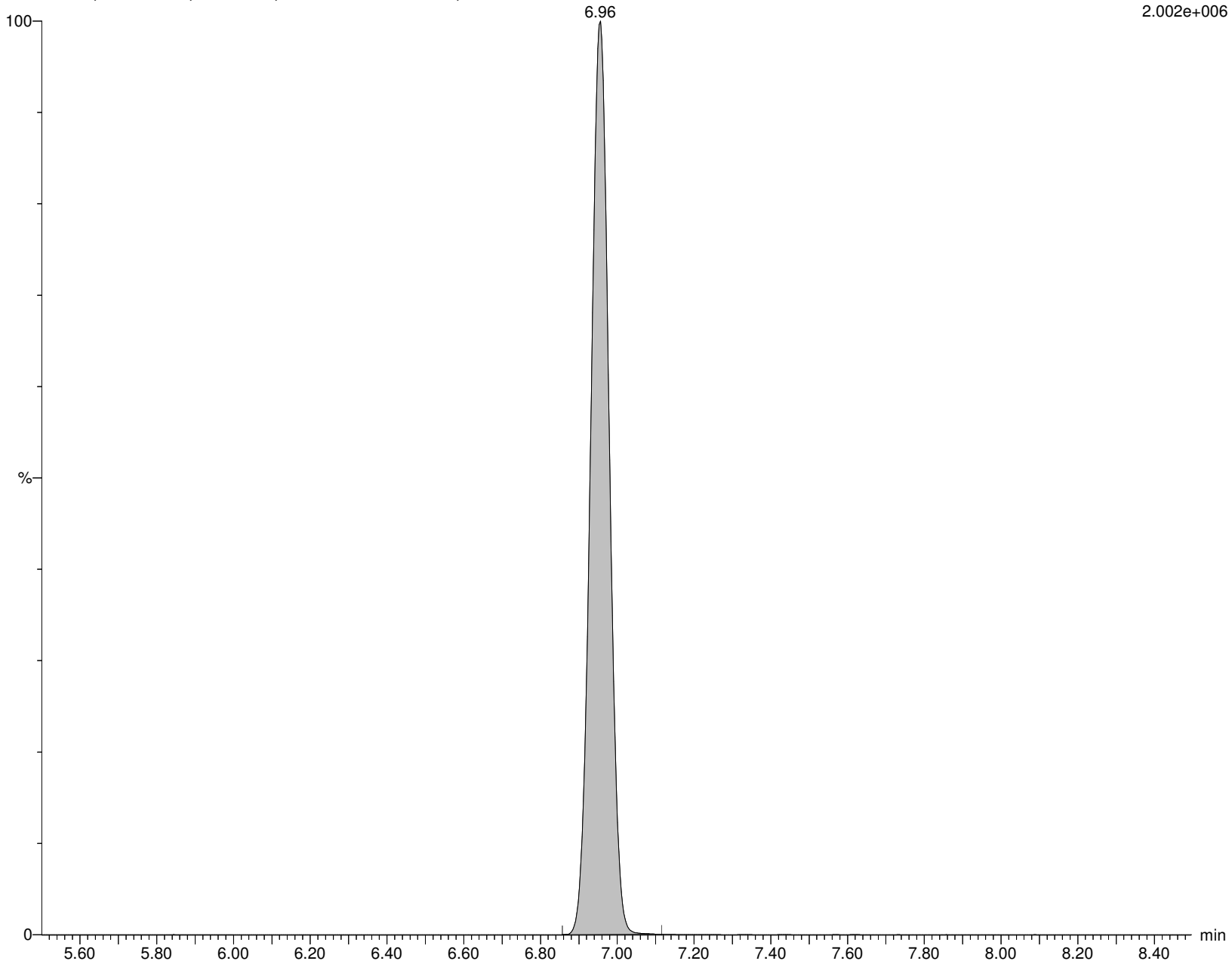
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M5PFHxA

F10:MRM of 1 channel, ES-

317.989 > 273.045

2.002e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

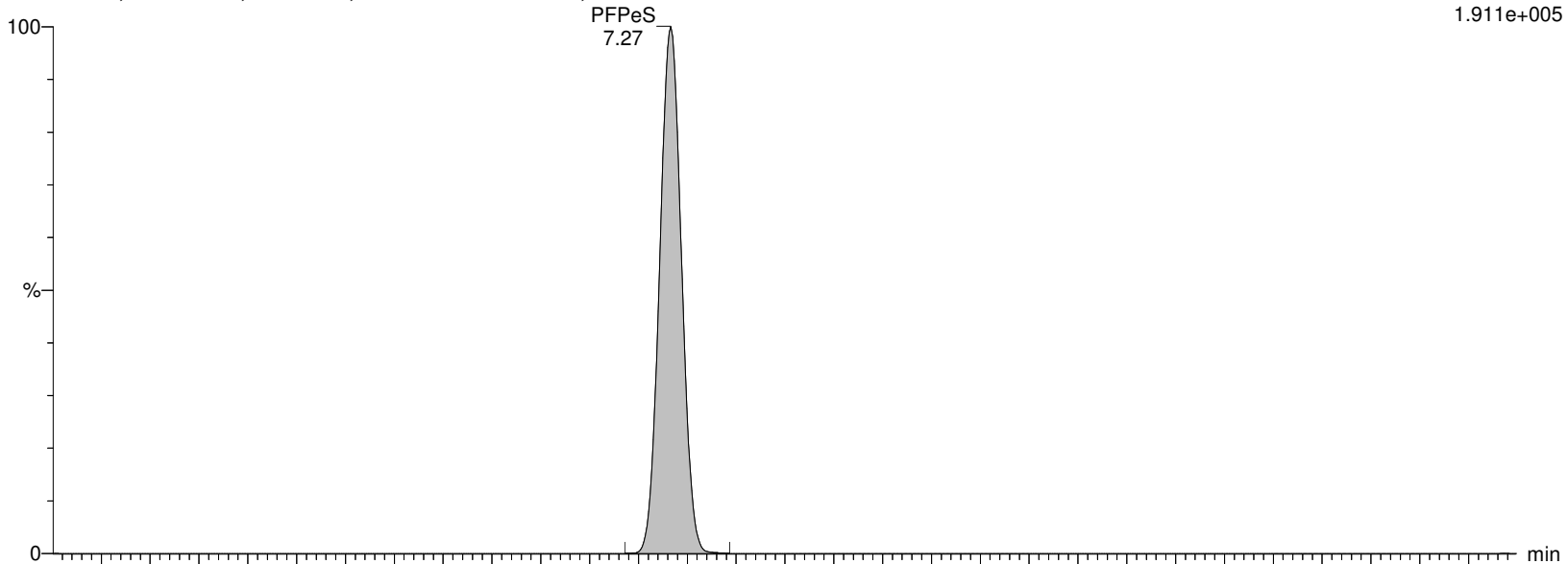
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F14:MRM of 2 channels,ES-

348.926 > 80.251

1.911e+005



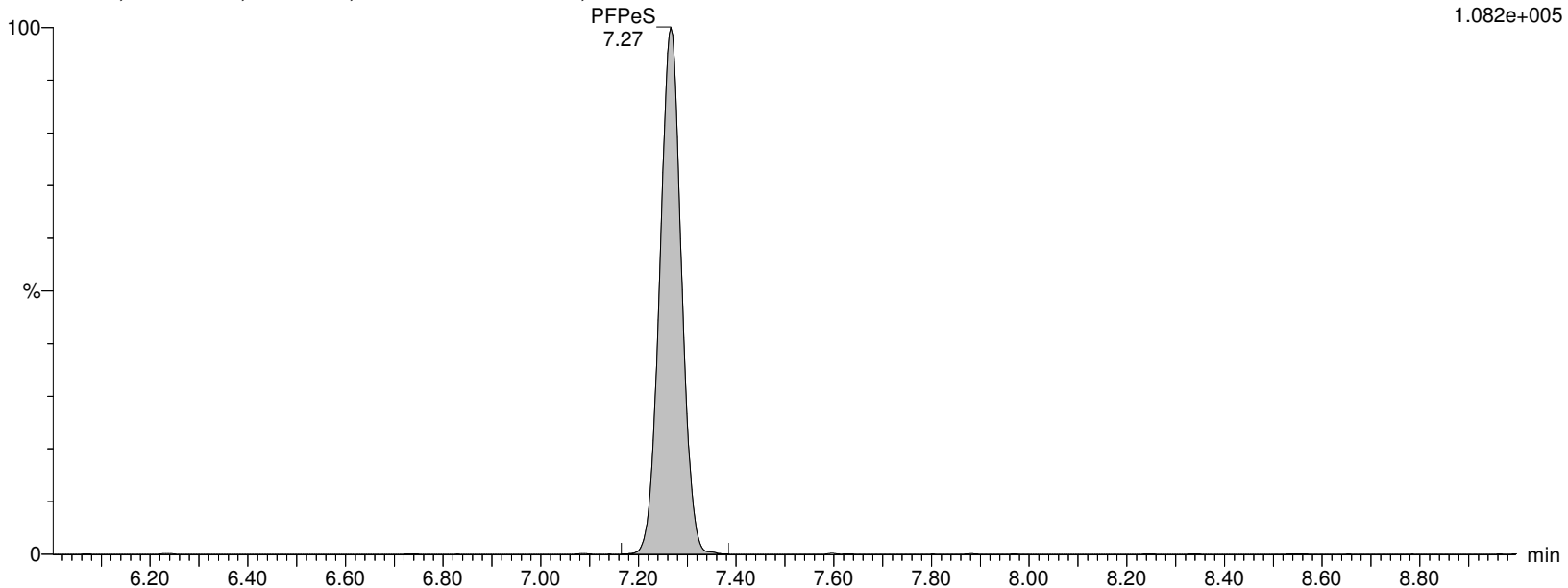
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.082e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

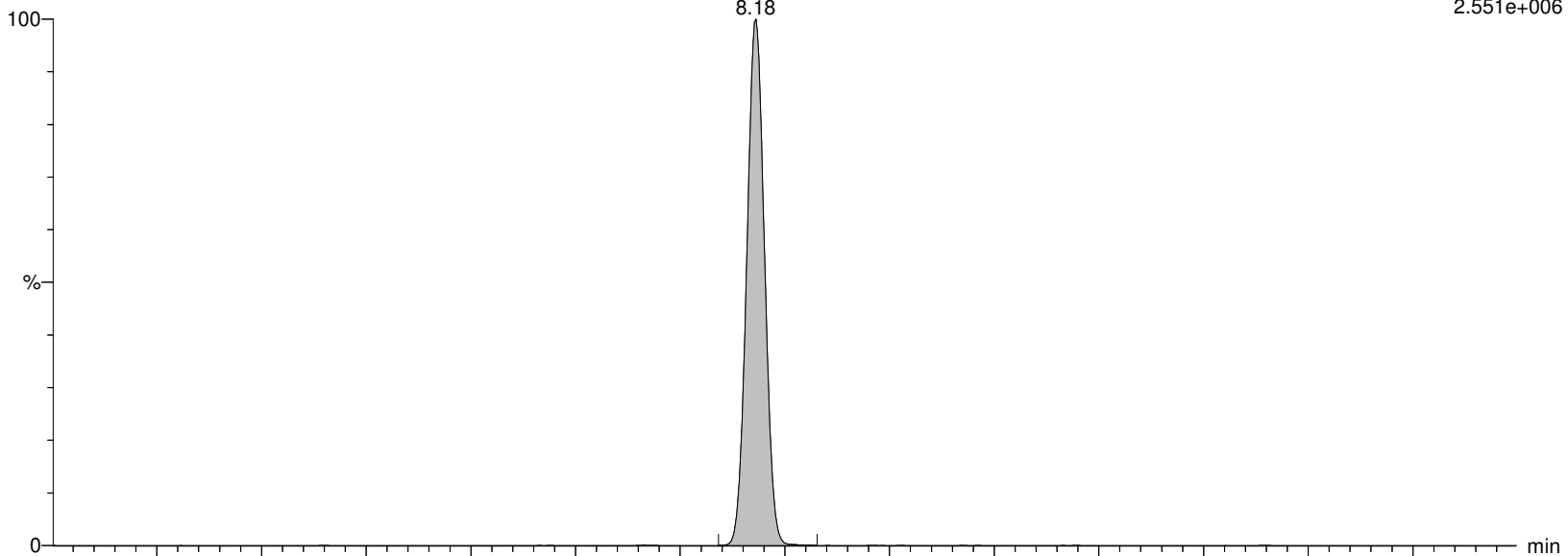
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F15:MRM of 2 channels, ES-

362.926 > 319.014

2.551e+006



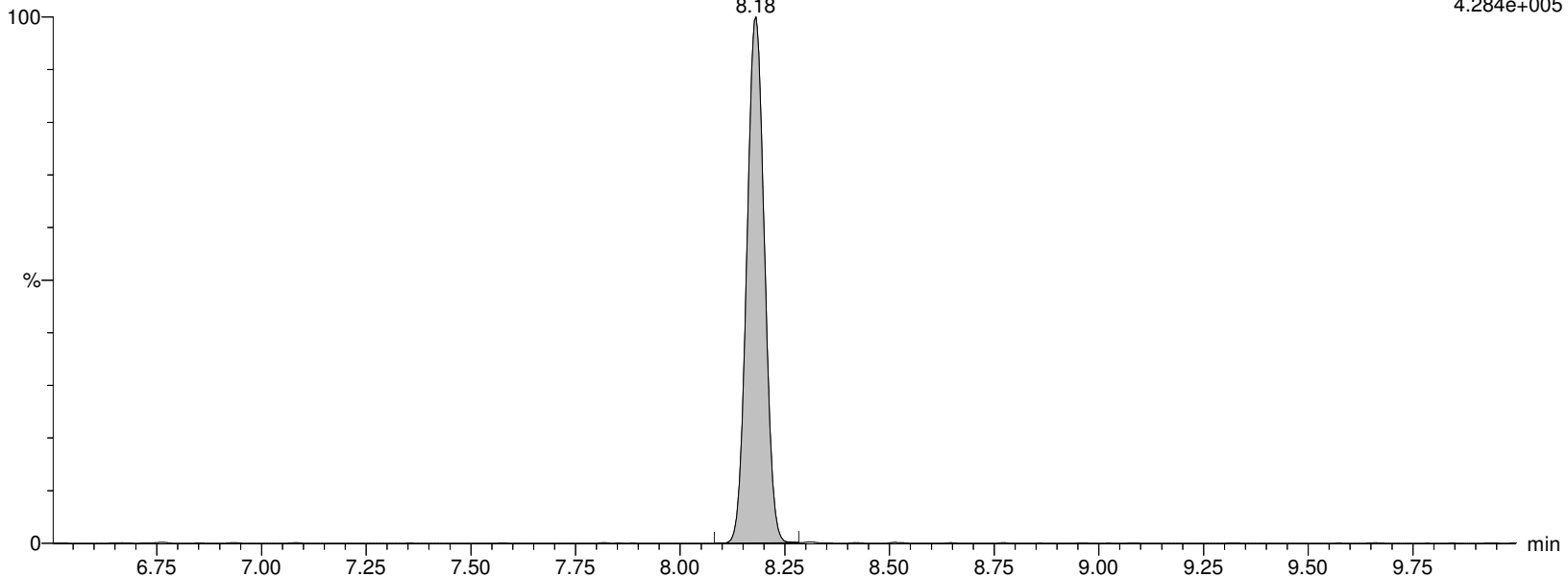
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F15:MRM of 2 channels, ES-

362.926 > 169.12

4.284e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

I18695 Smooth(Mn,2x3)

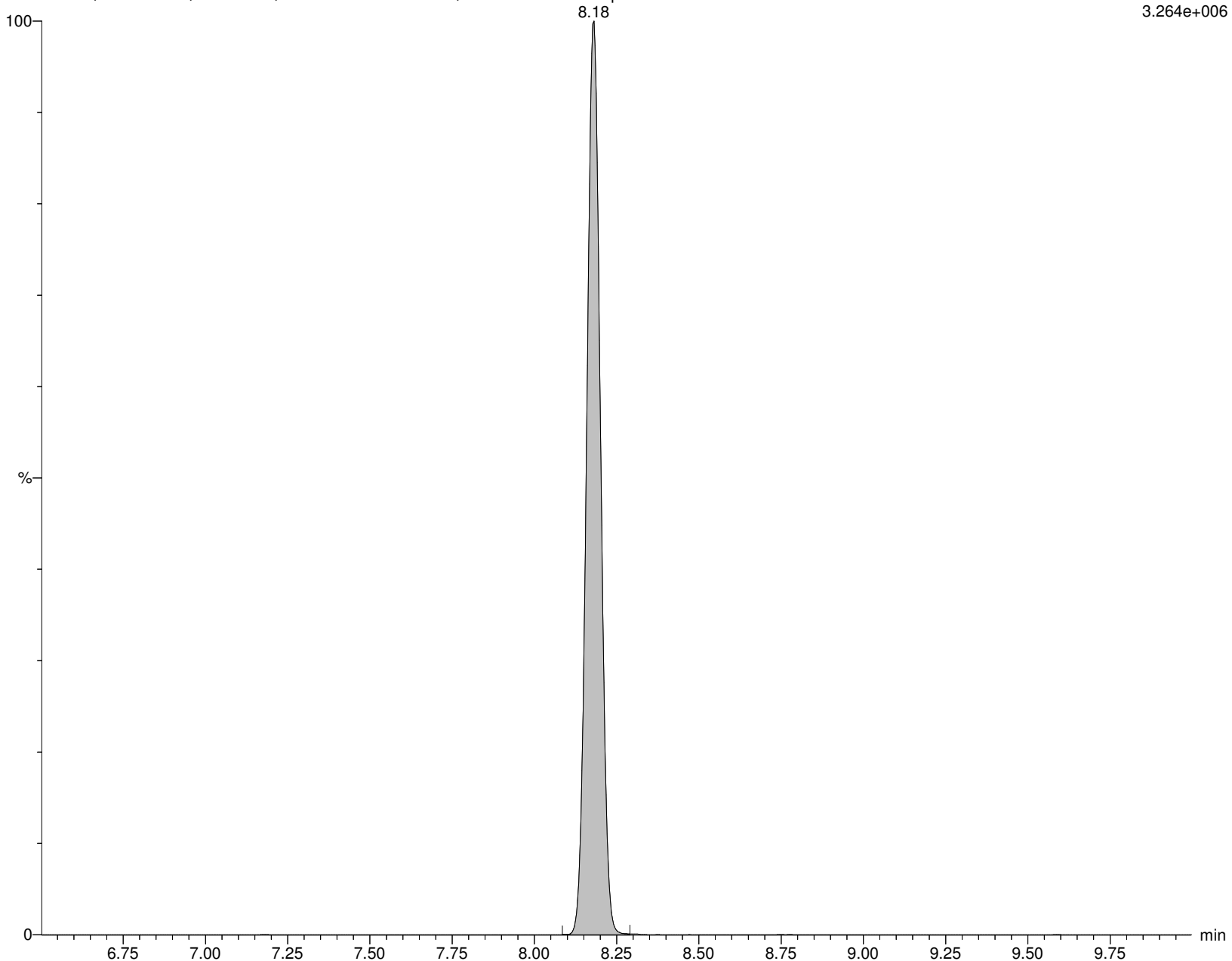
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M4PFHpA

F16:MRM of 1 channel, ES-

366.926 > 321.979

3.264e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

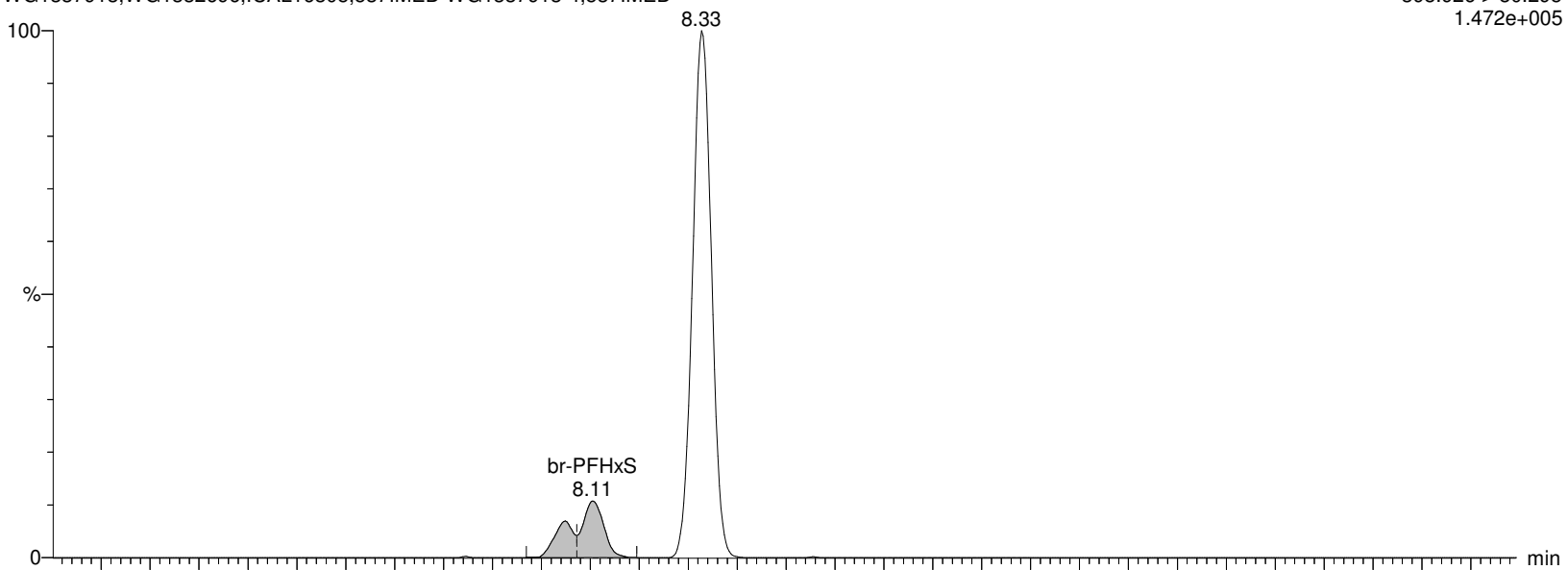
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.472e+005



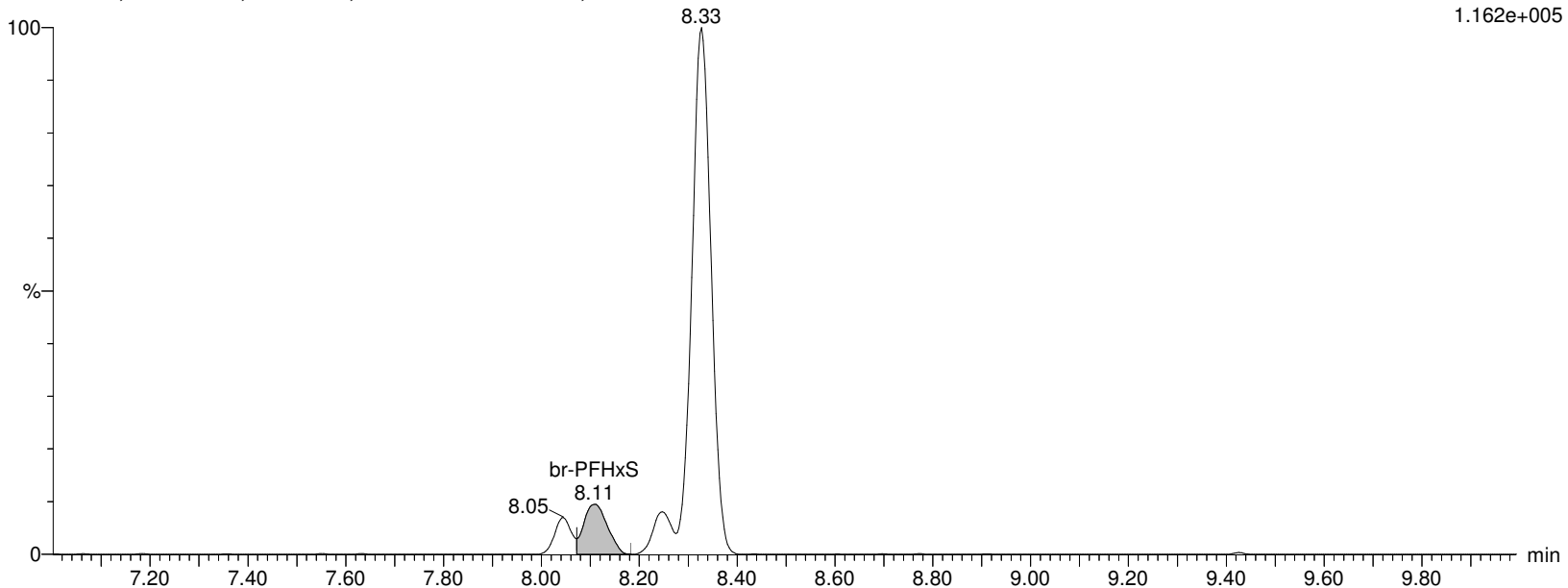
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.162e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

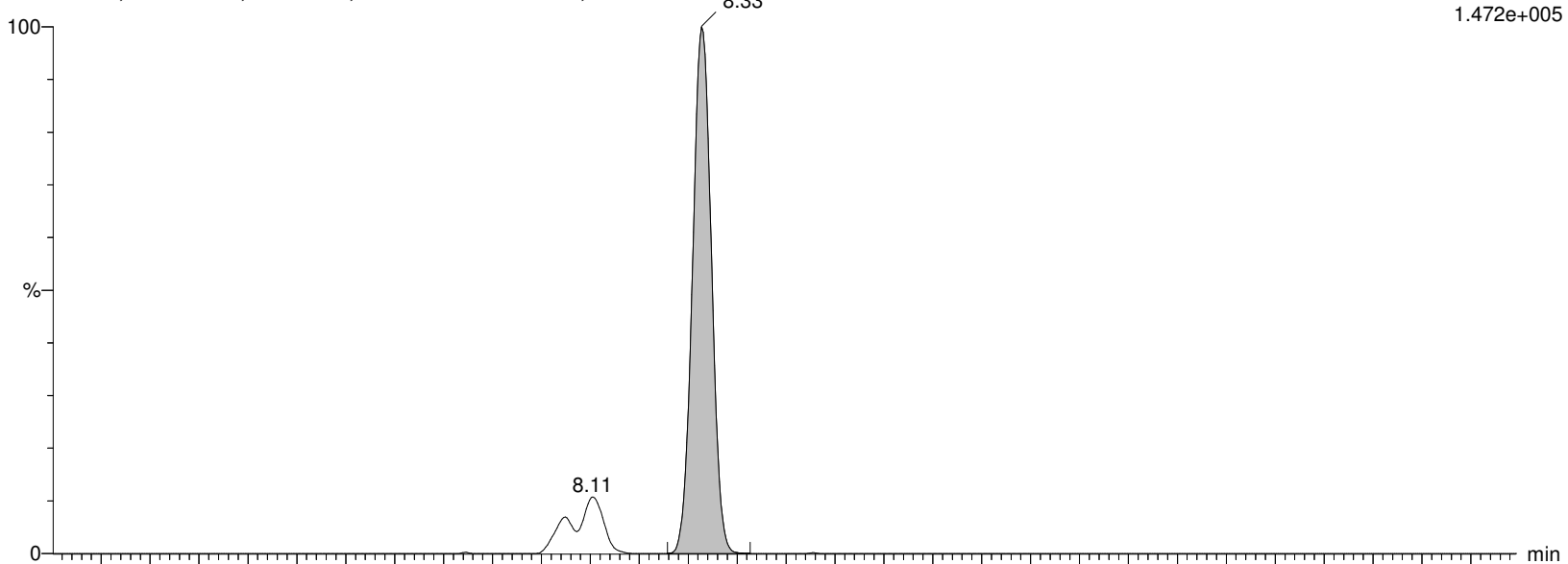
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.472e+005



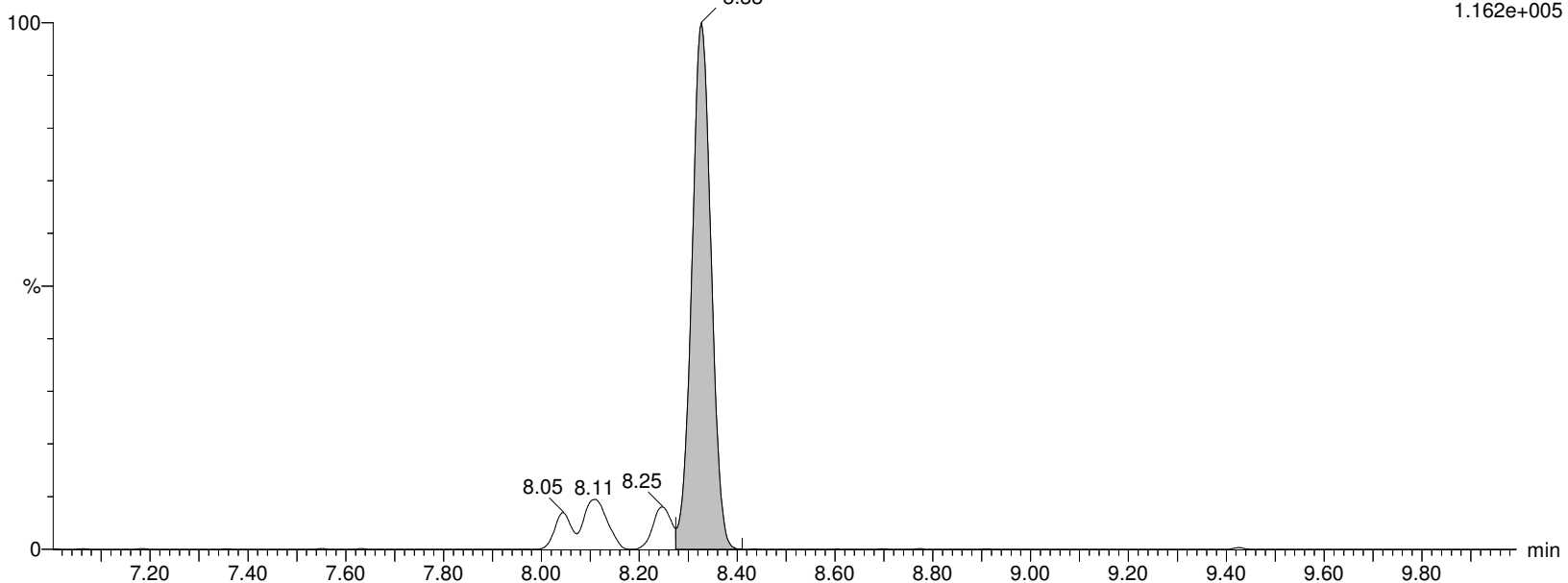
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.162e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

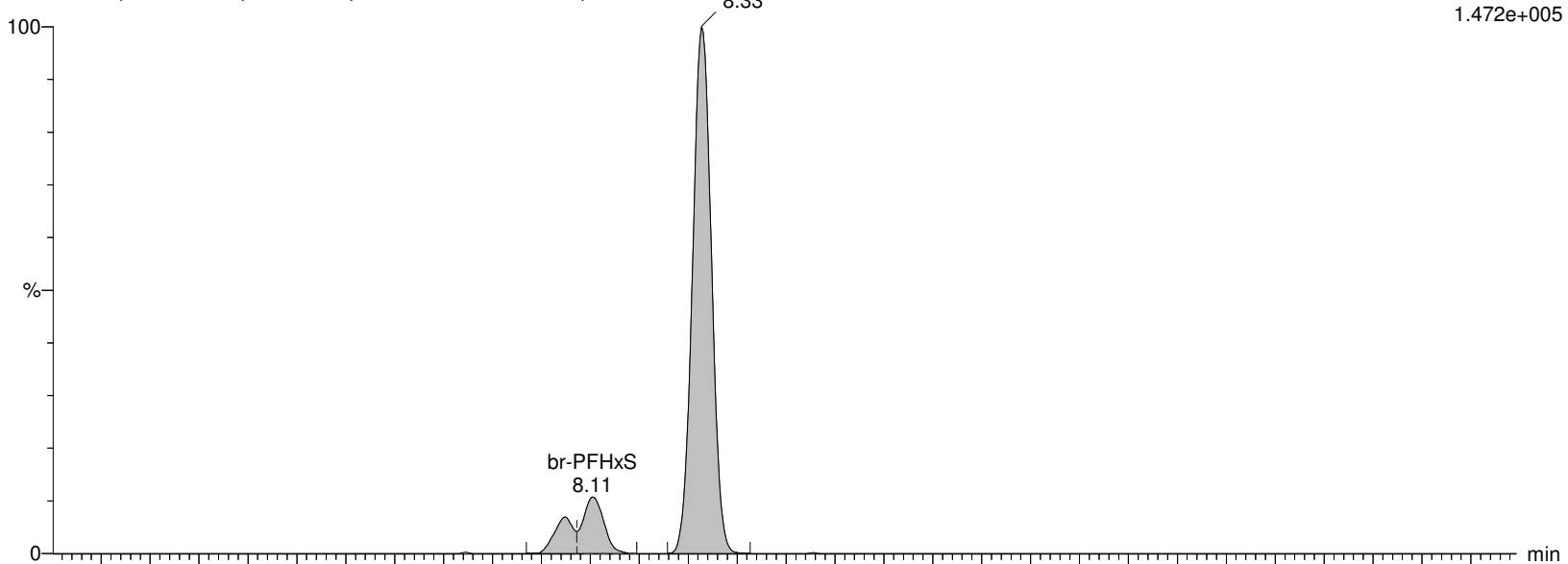
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.472e+005



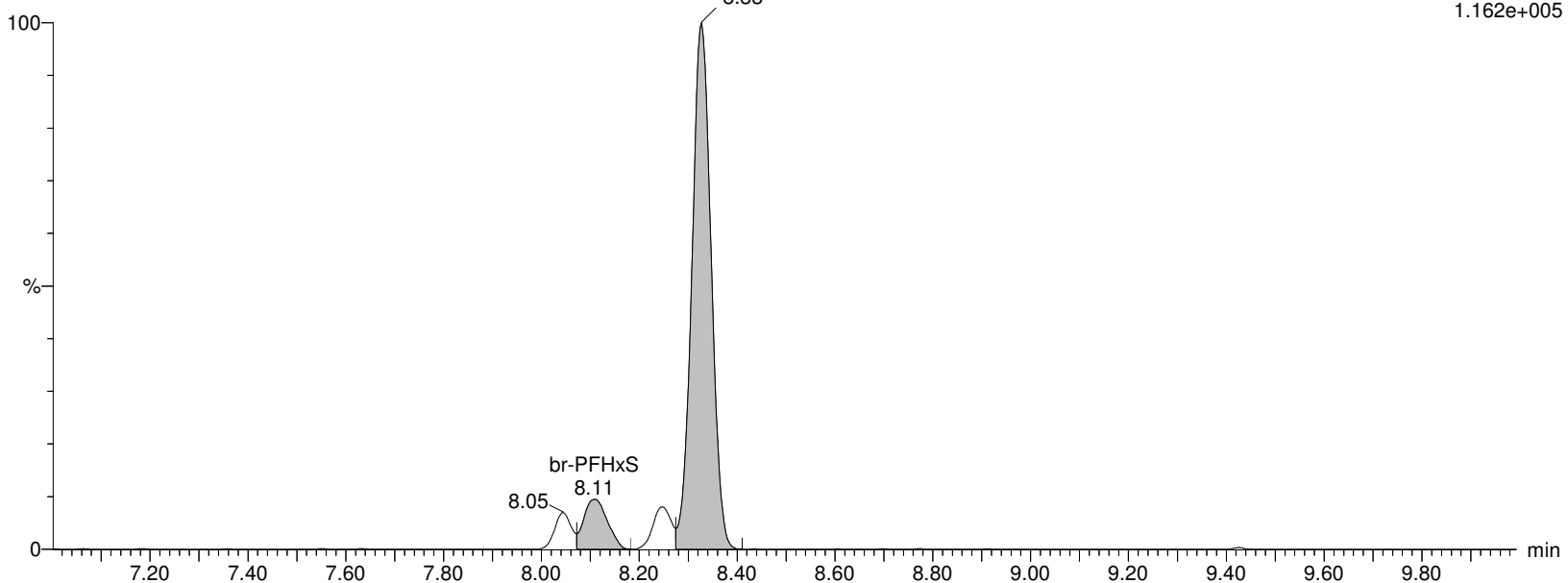
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.162e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

I18695 Smooth(Mn,2x3)

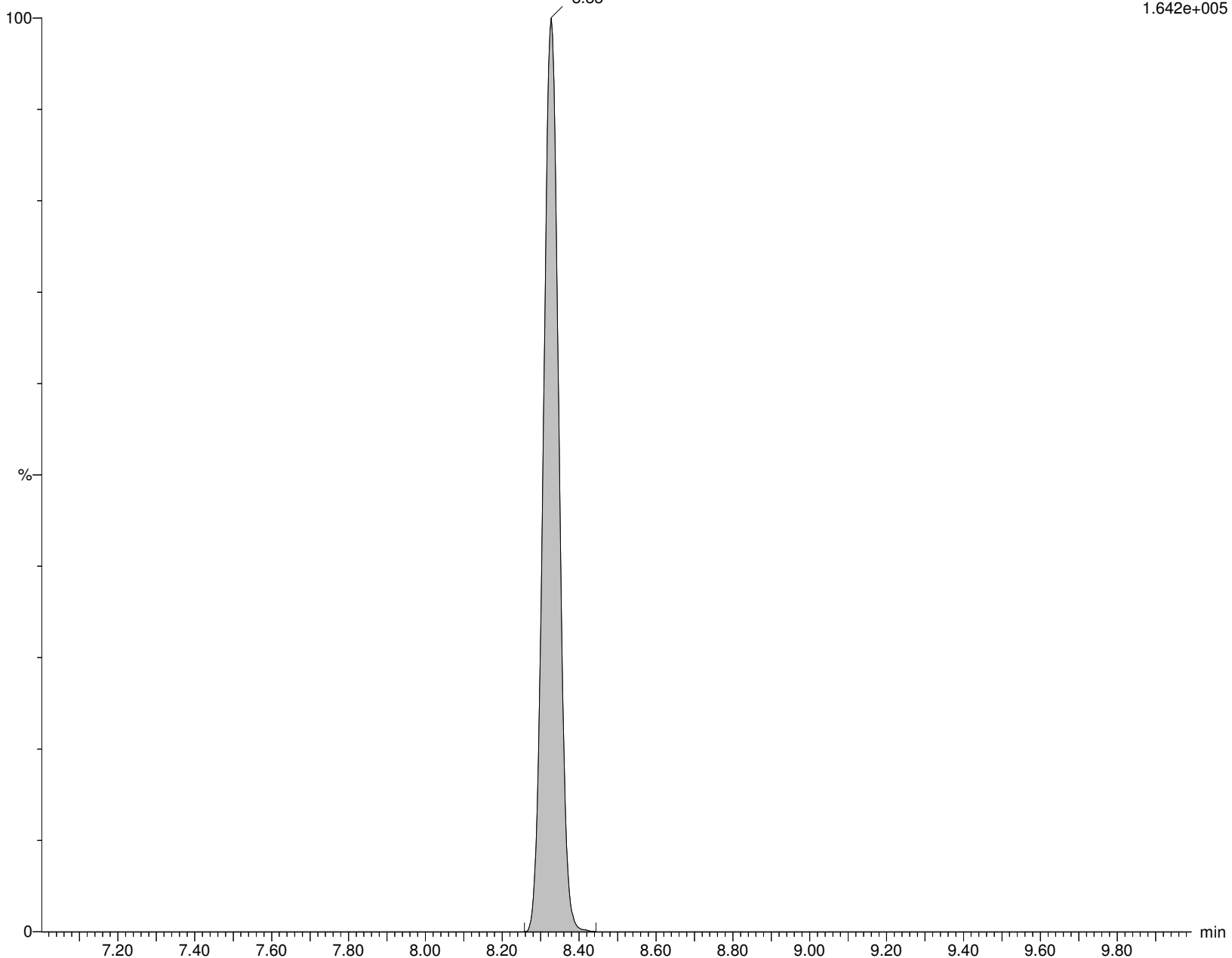
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M3PFHxS
8.33

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.642e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

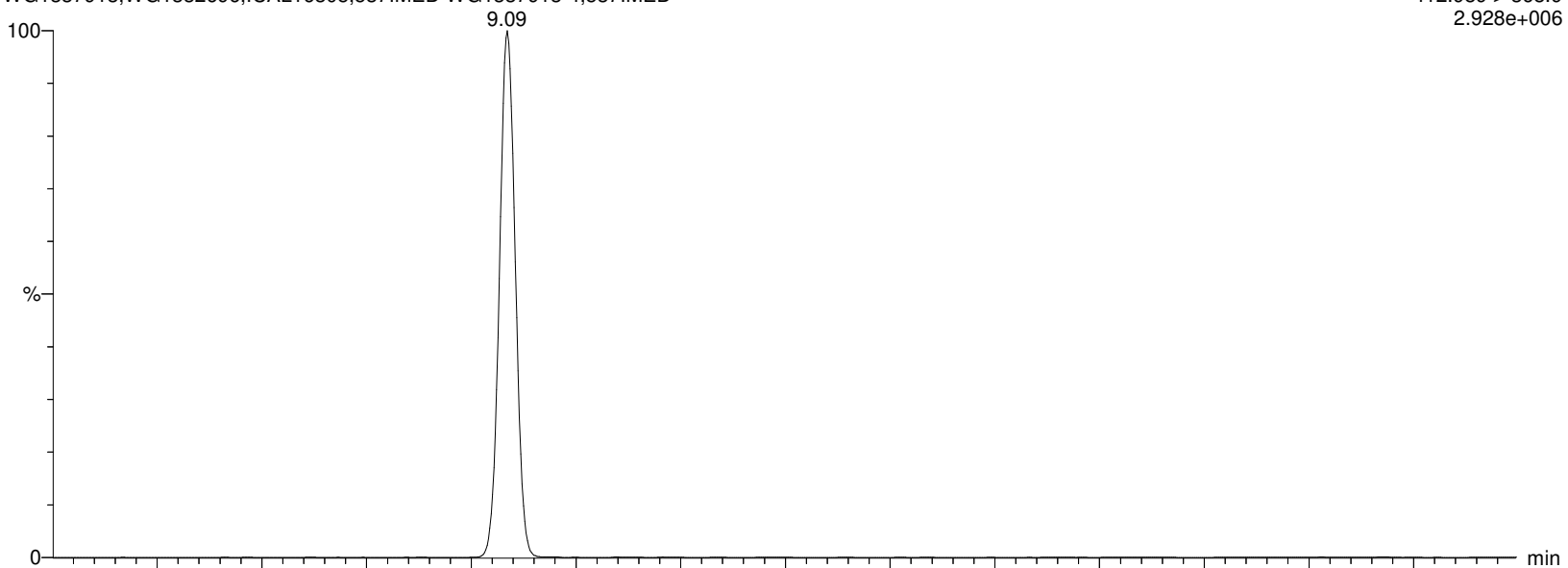
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.928e+006



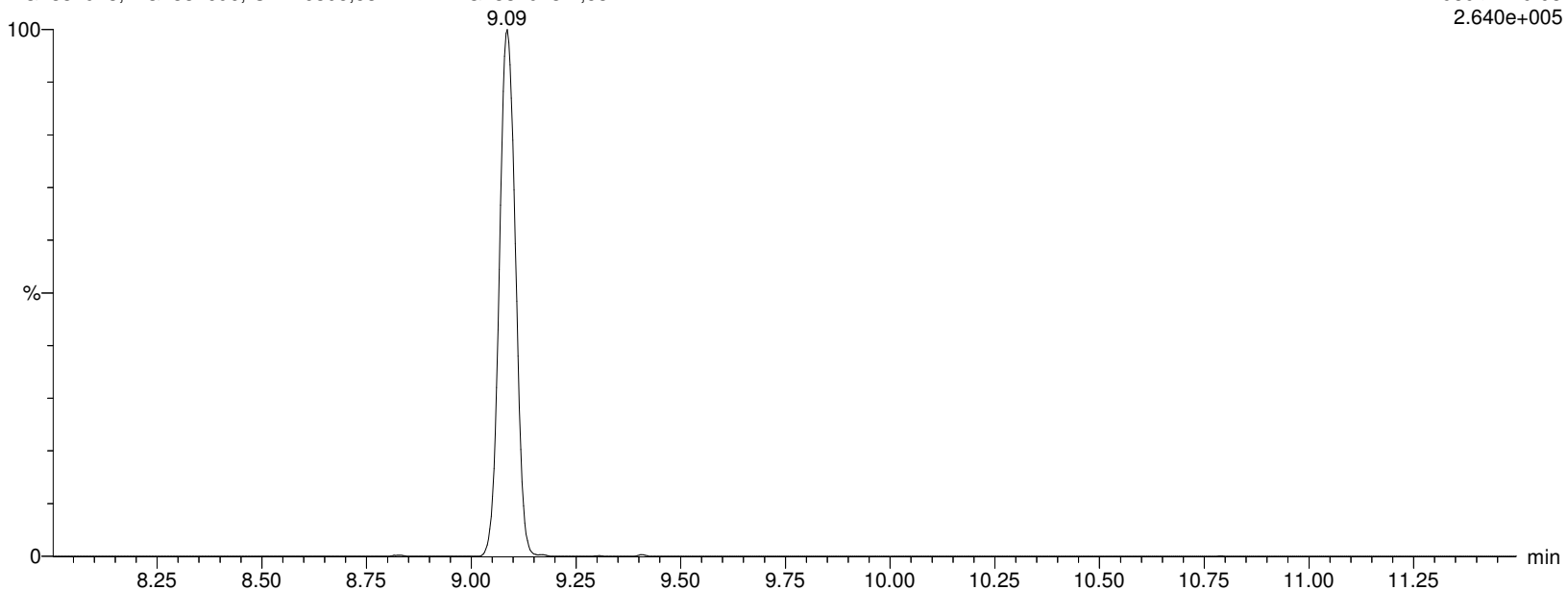
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.640e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

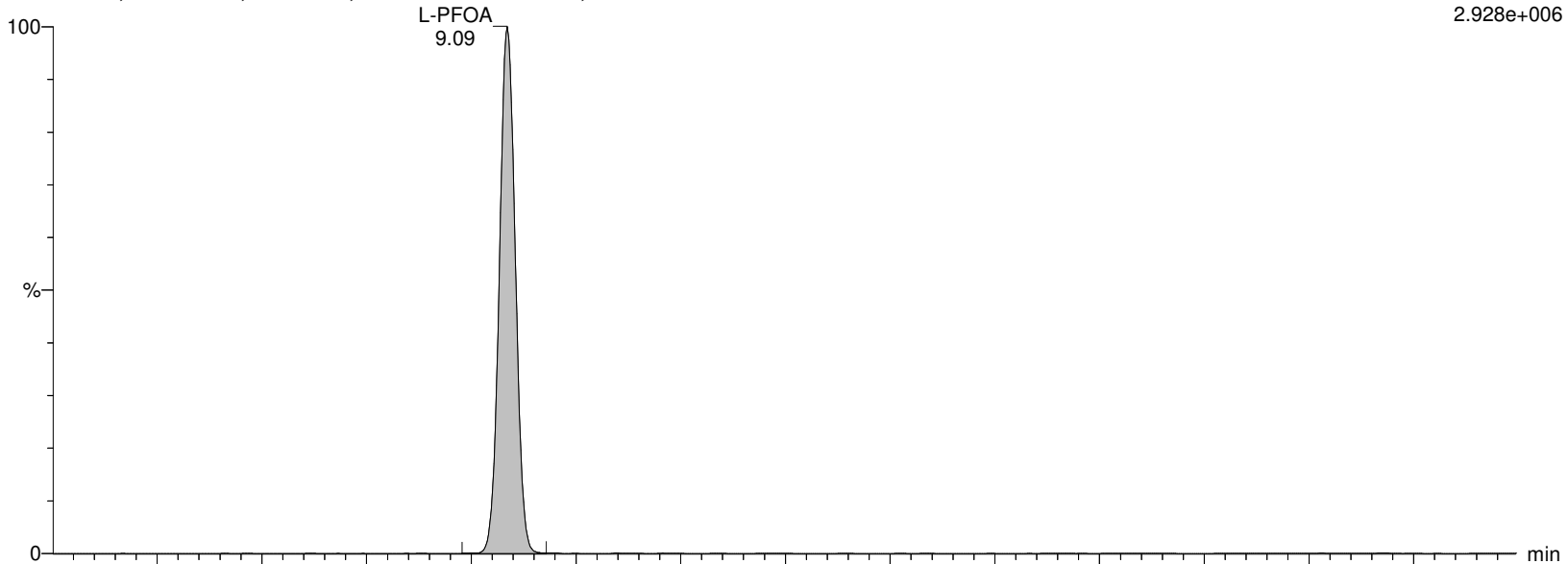
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.928e+006



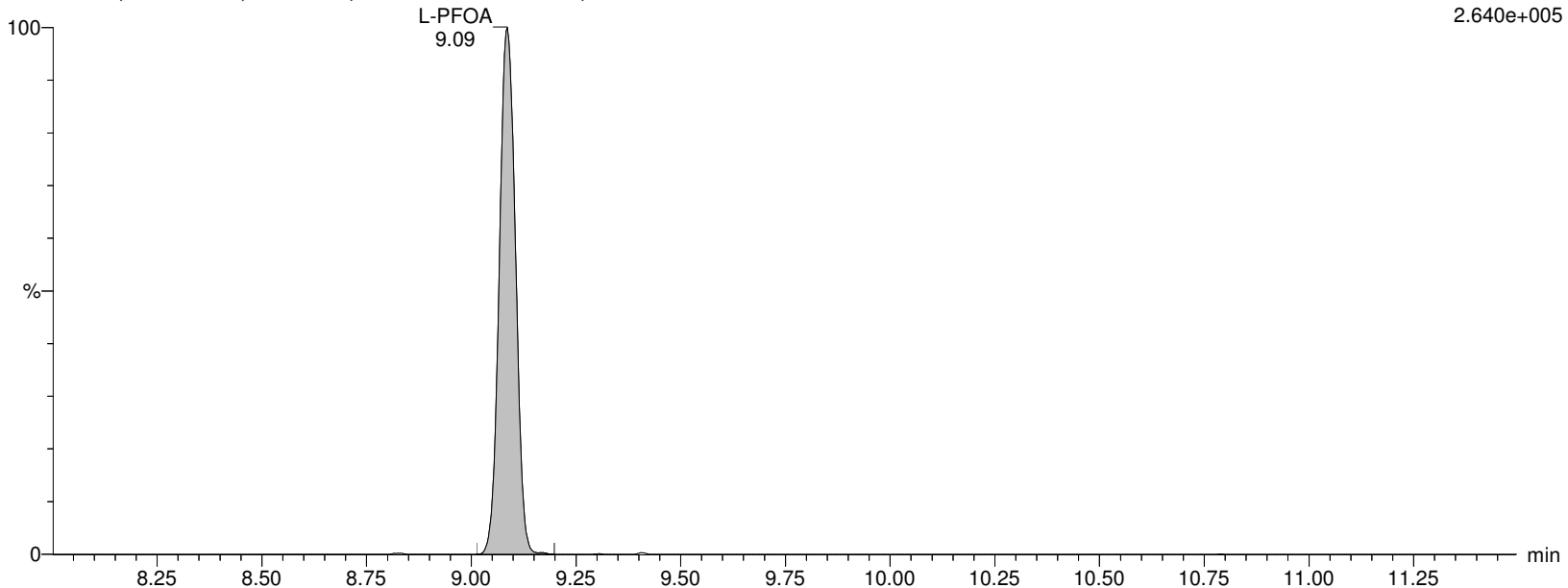
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.640e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

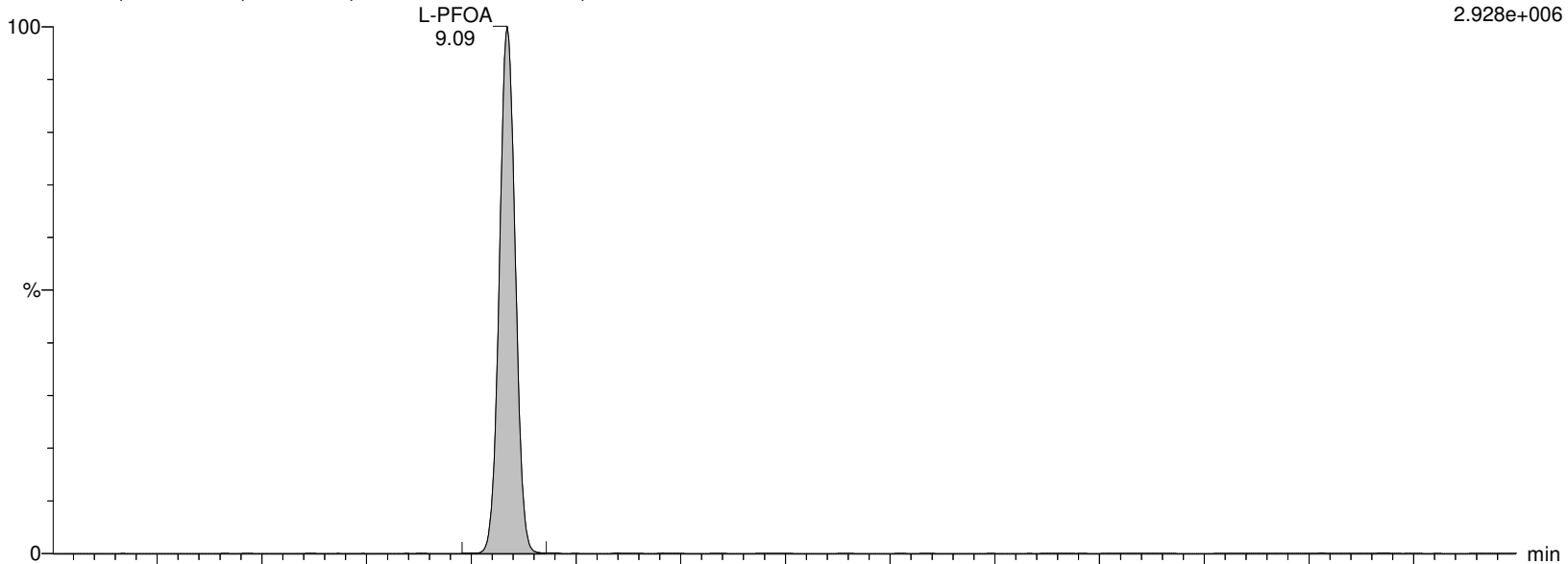
I18695 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F20:MRM of 2 channels,ES-

412.989 > 368.9

2.928e+006



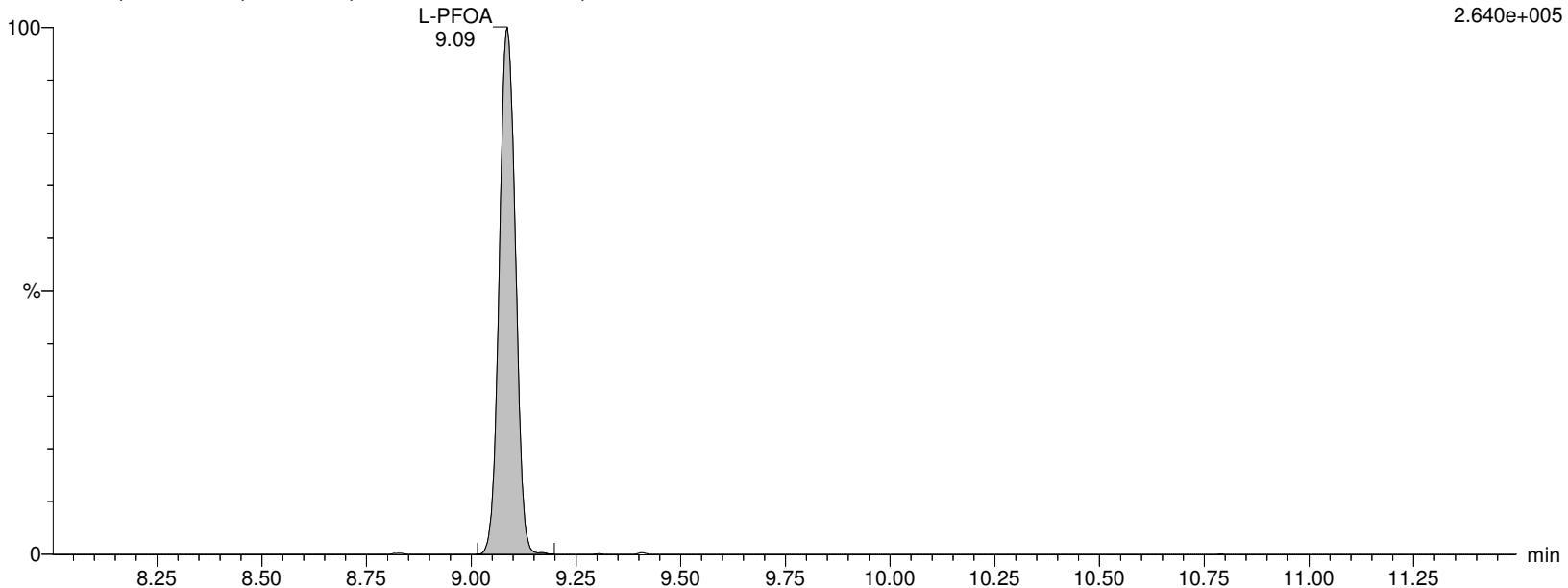
I18695 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F20:MRM of 2 channels,ES-

412.989 > 219.08

2.640e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

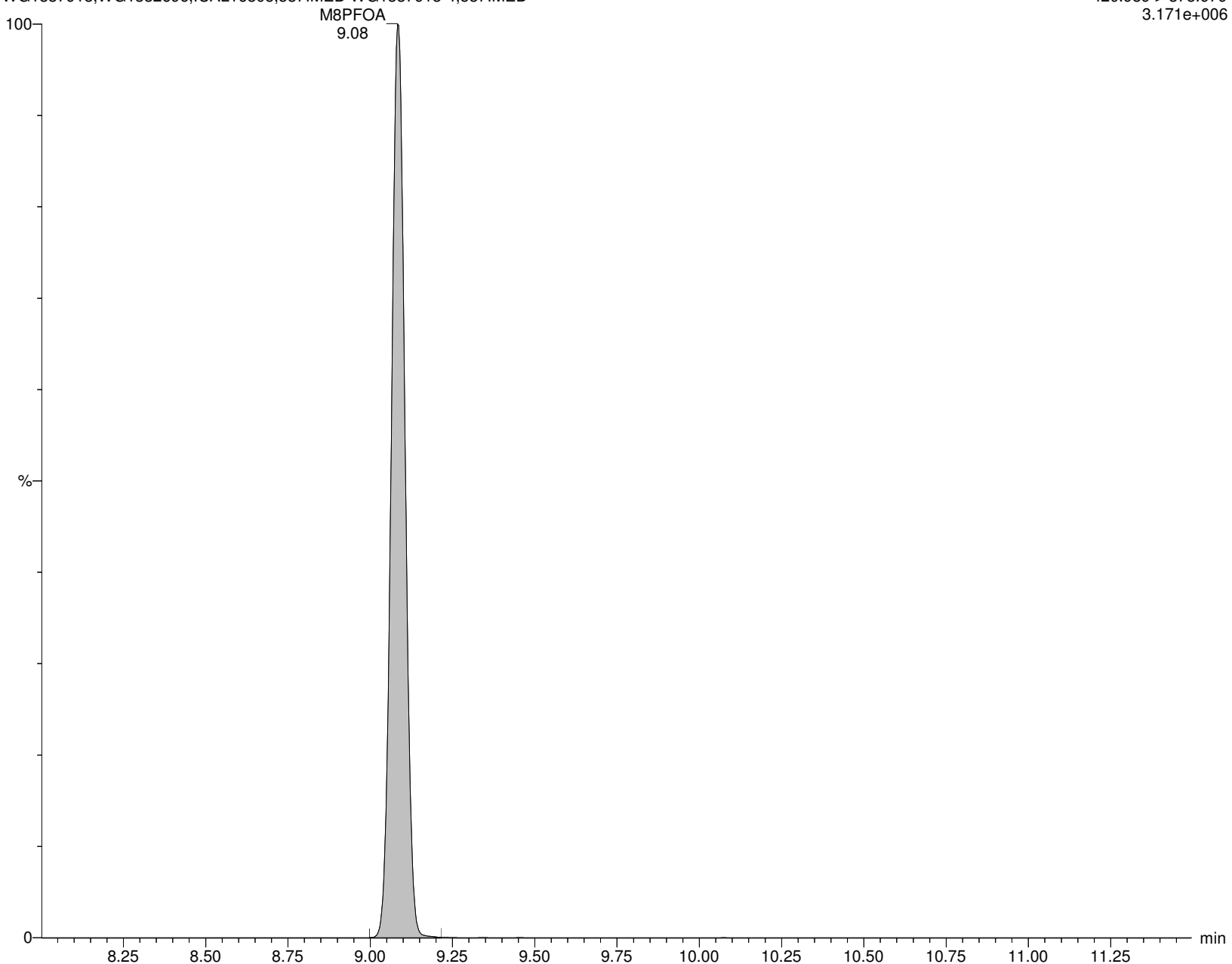
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F22:MRM of 1 channel, ES-

420.989 > 375.979

3.171e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

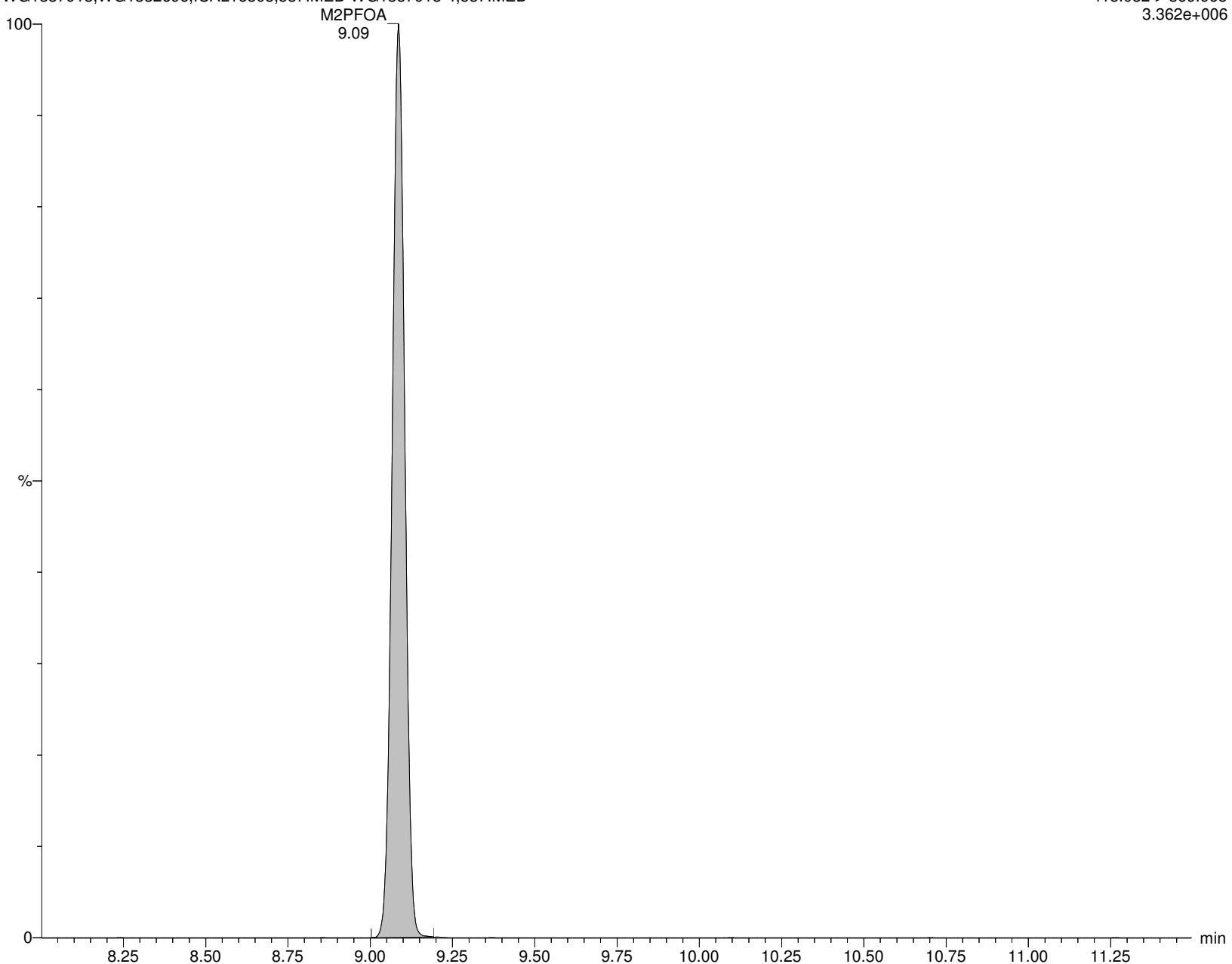
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F21:MRM of 1 channel, ES-

415.032 > 369.968

3.362e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

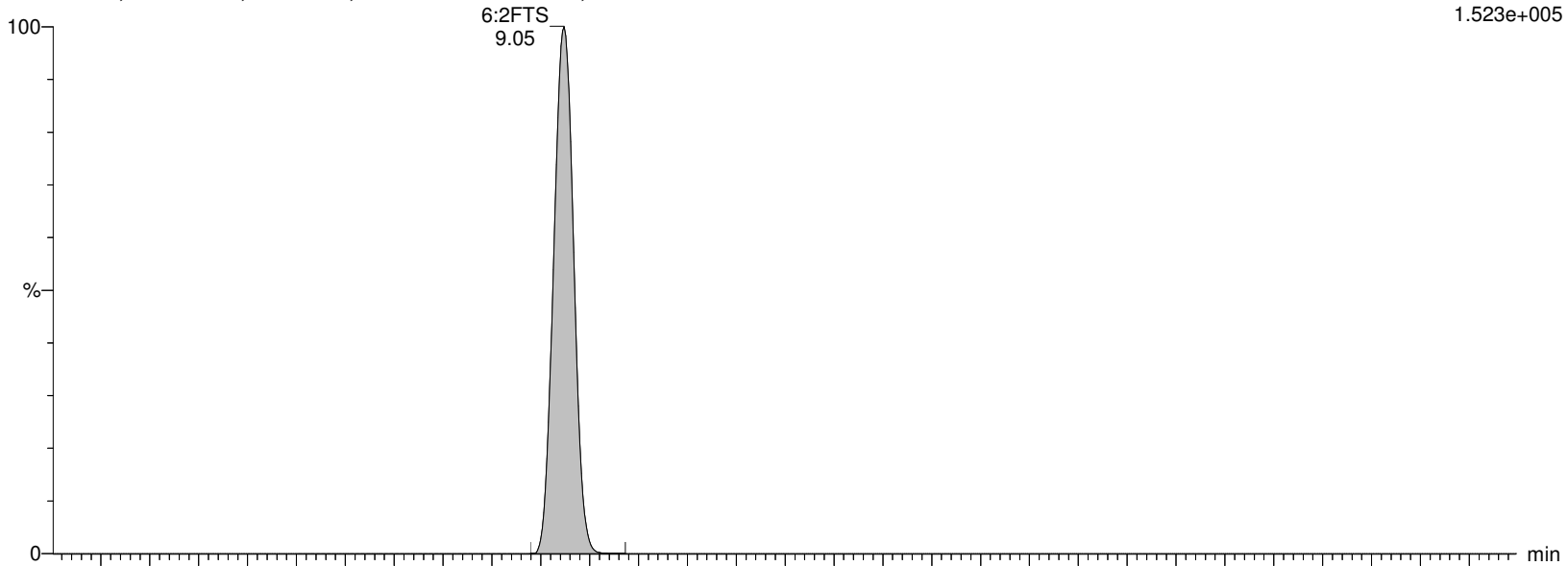
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F23:MRM of 3 channels, ES-

426.989 > 406.921

1.523e+005



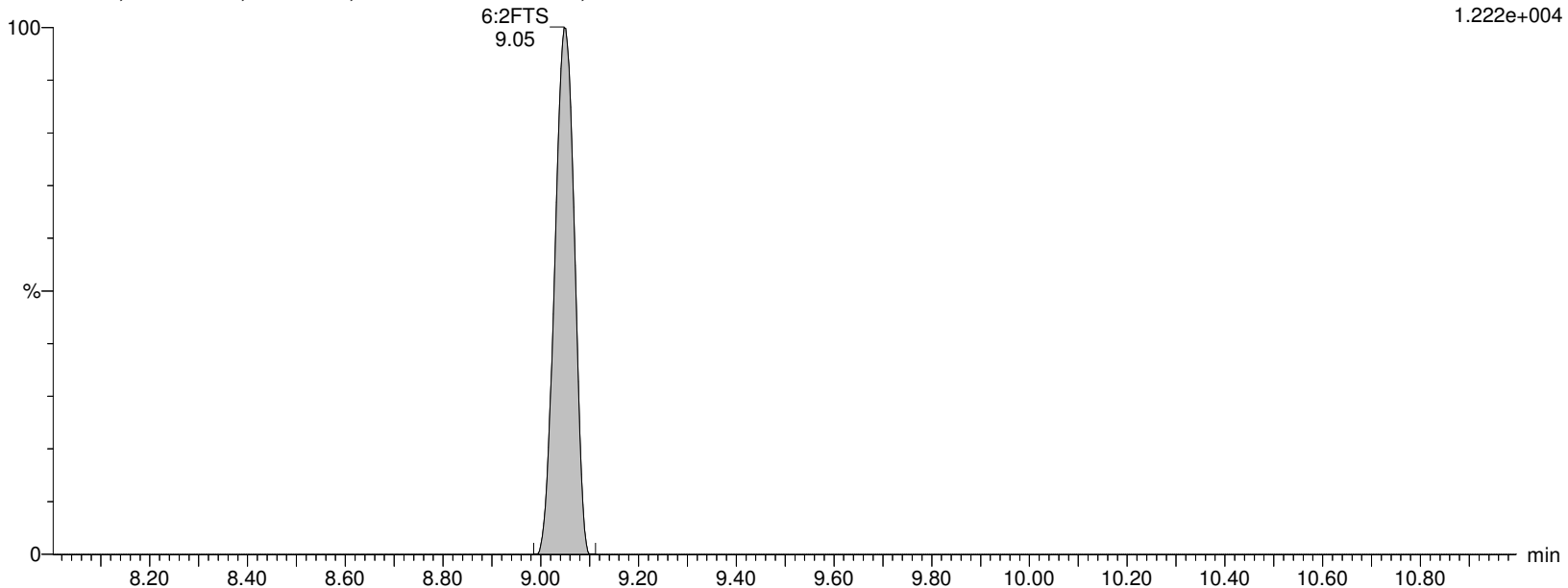
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F23:MRM of 3 channels, ES-

426.862 > 80.5

1.222e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

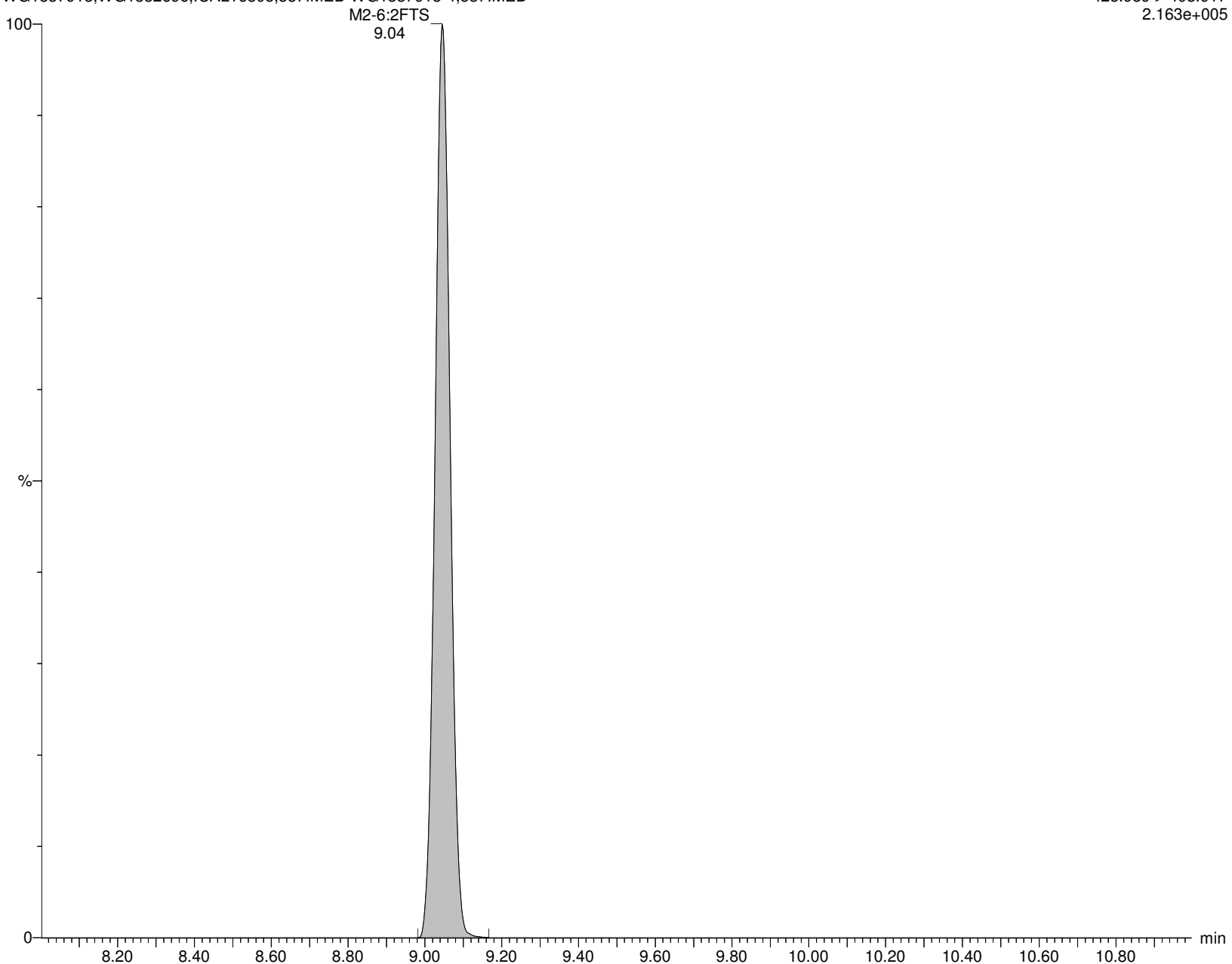
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F24:MRM of 1 channel,ES-

428.989 > 408.917

2.163e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

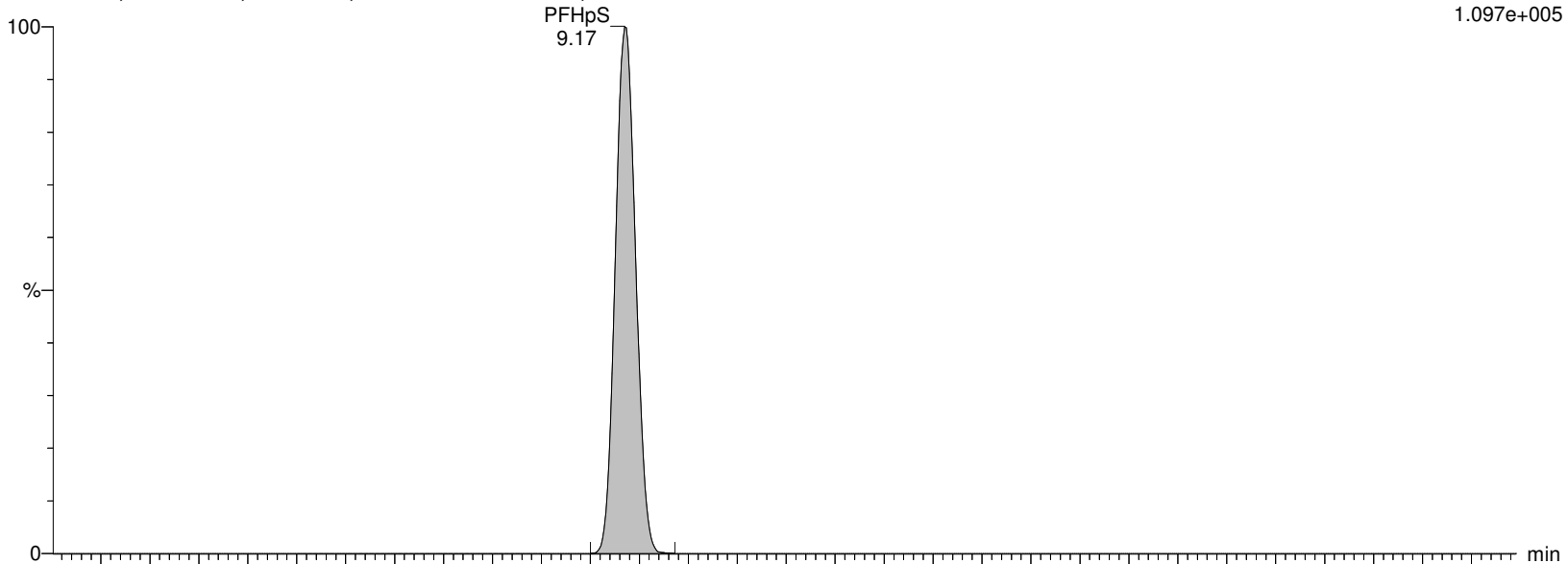
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F25:MRM of 2 channels,ES-

448.926 > 80.257

1.097e+005



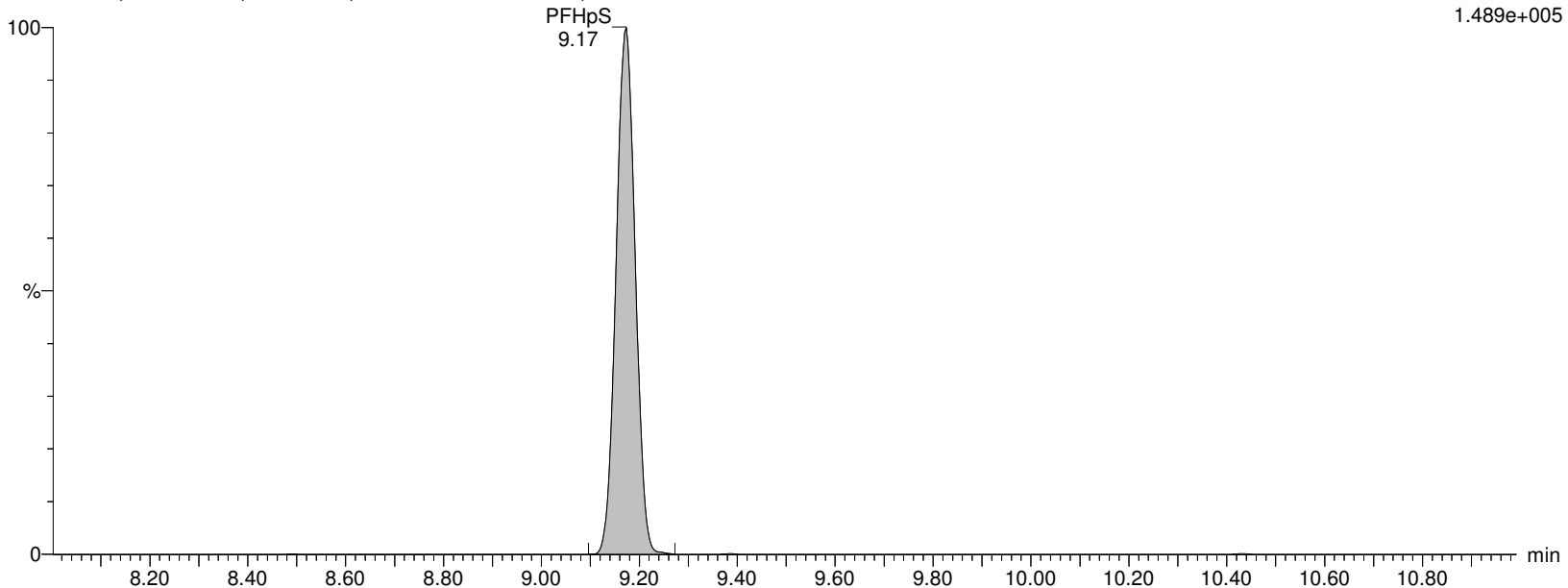
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F25:MRM of 2 channels,ES-

448.926 > 99.22

1.489e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNA**

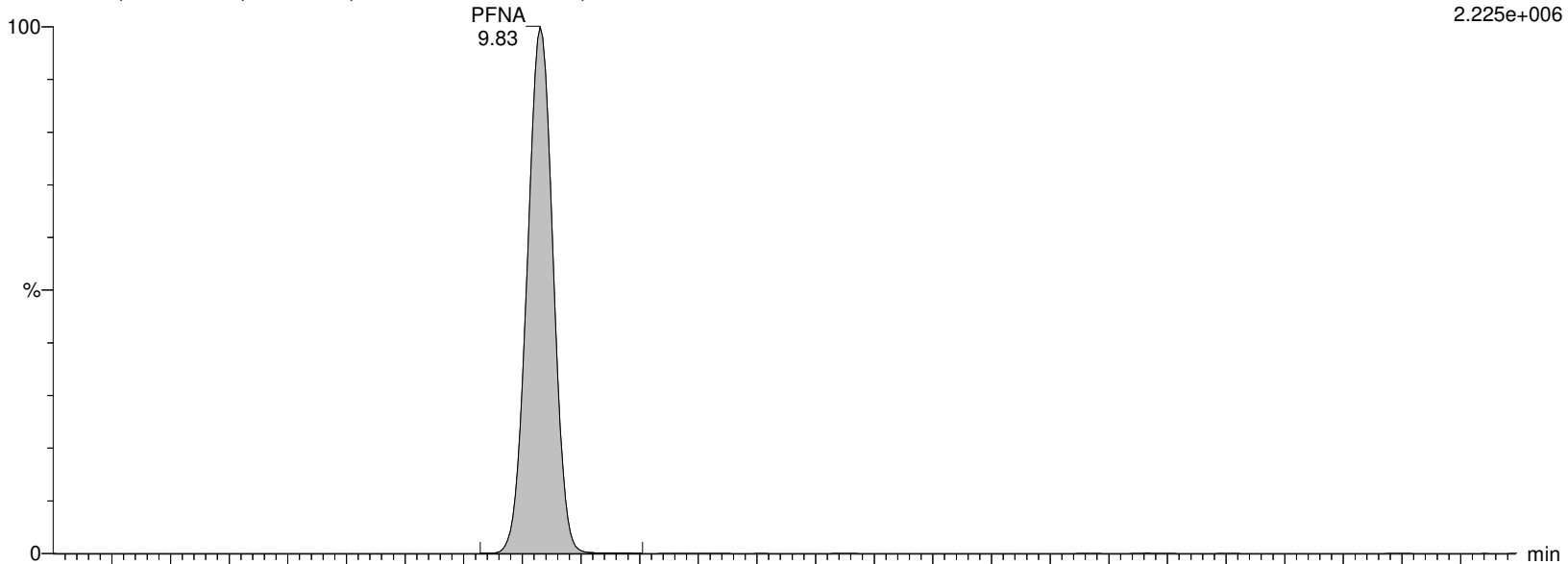
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F26:MRM of 2 channels,ES-

462.989 > 418.931

2.225e+006



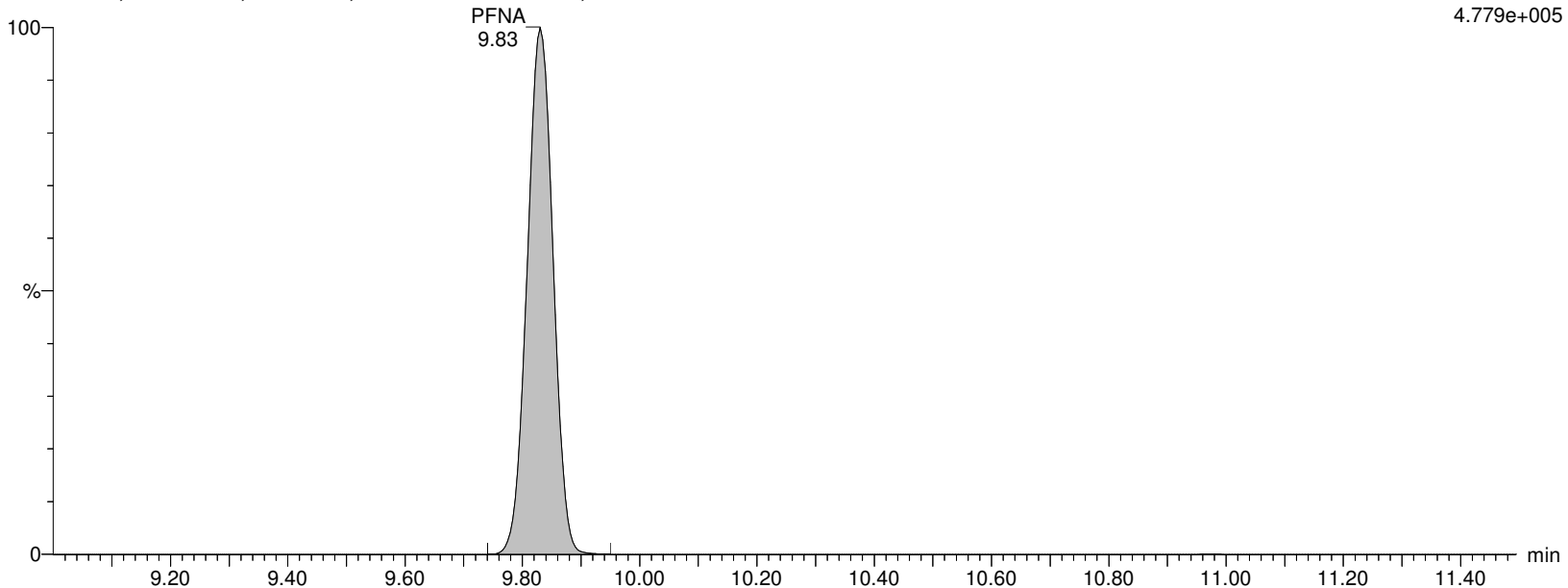
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F26:MRM of 2 channels,ES-

462.989 > 219.04

4.779e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M9PFNA

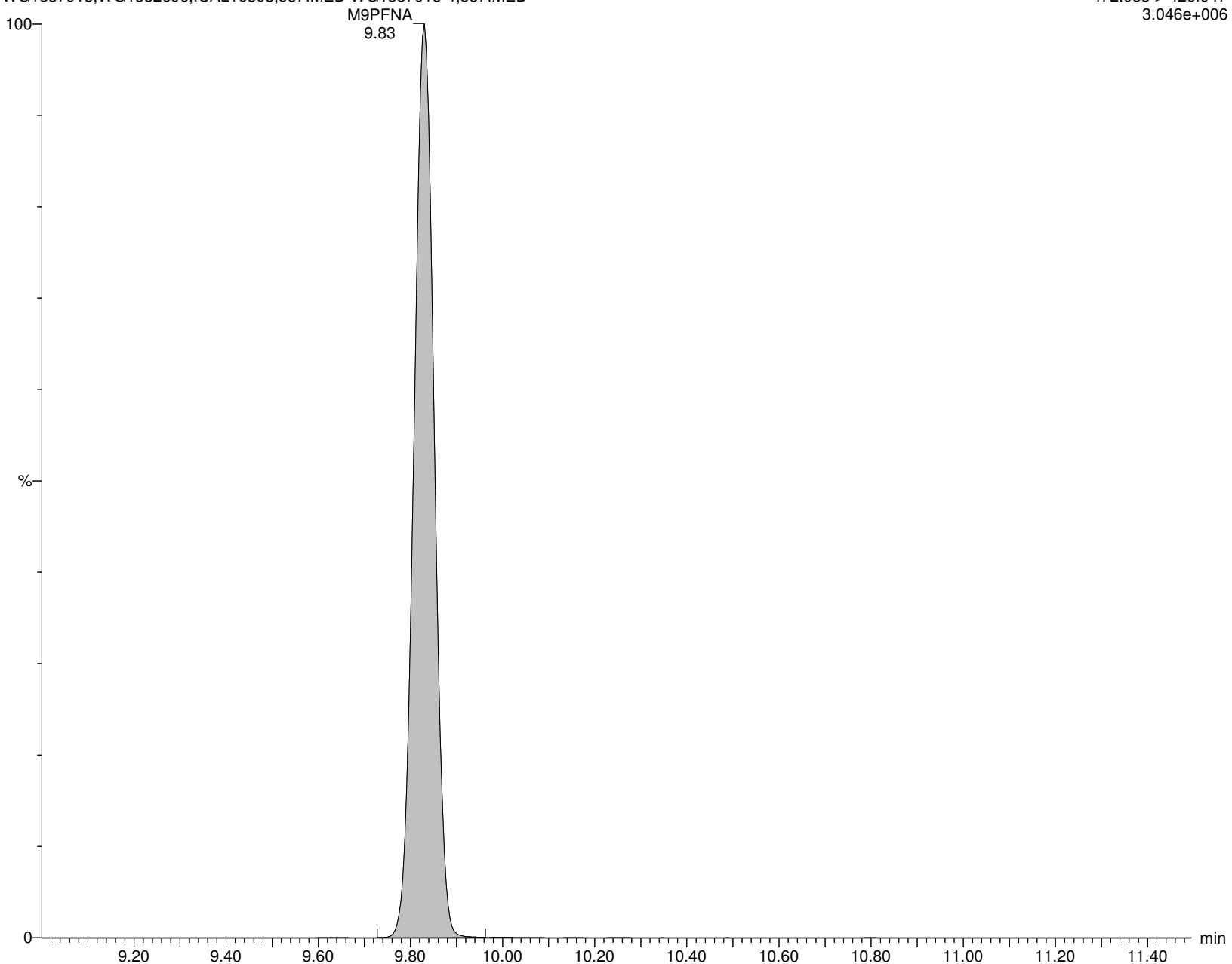
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F27:MRM of 1 channel,ES-

472.053 > 426.947

3.046e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

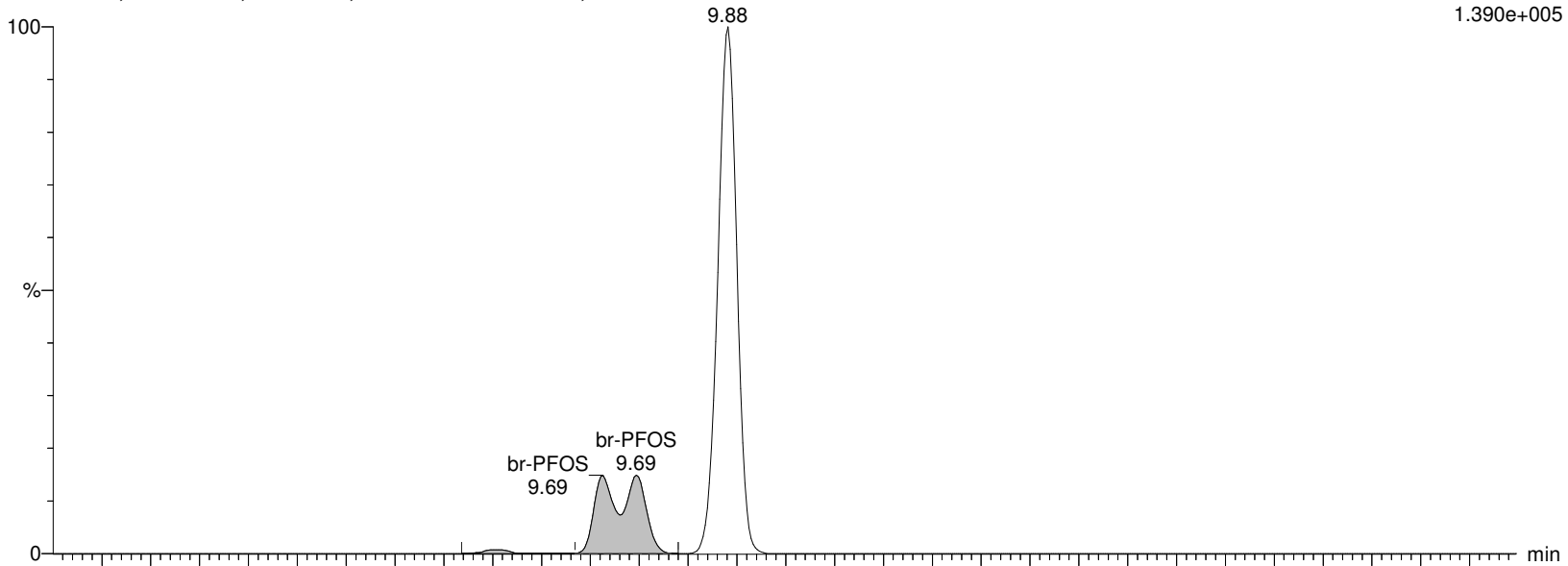
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.390e+005



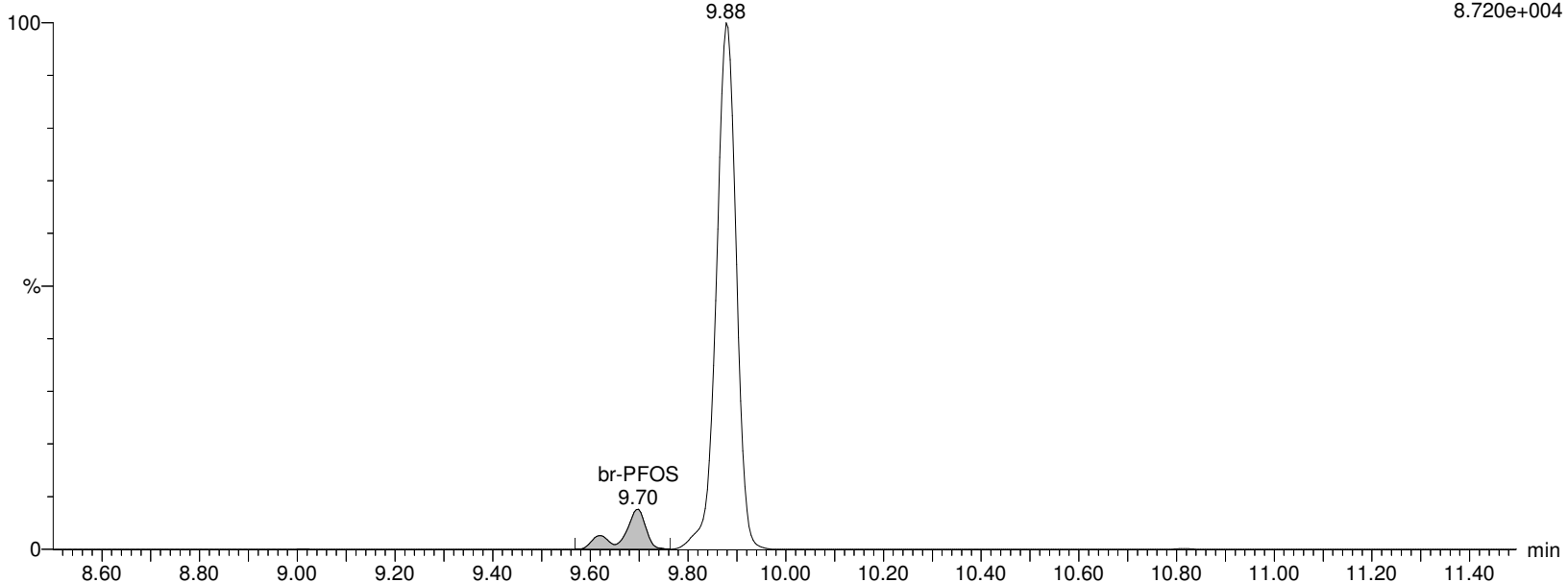
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.720e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

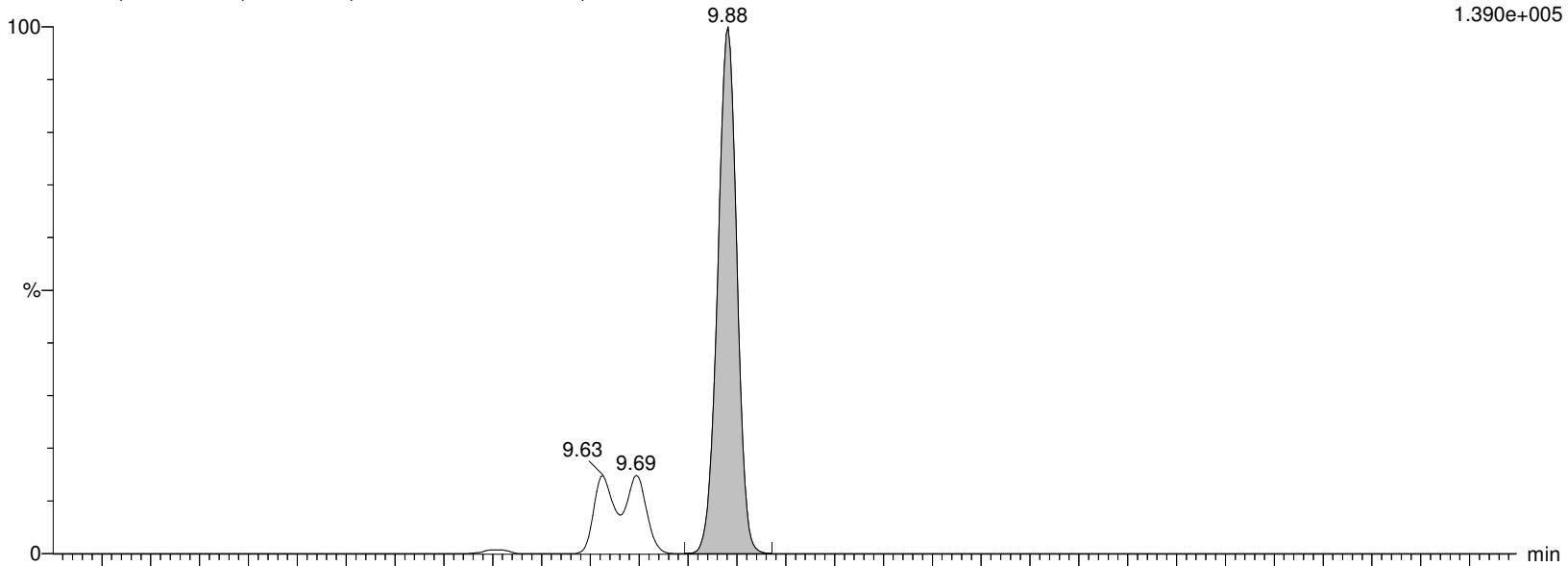
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED L-PFOS

F29:MRM of 2 channels,ES-

498.989 > 80.294

1.390e+005



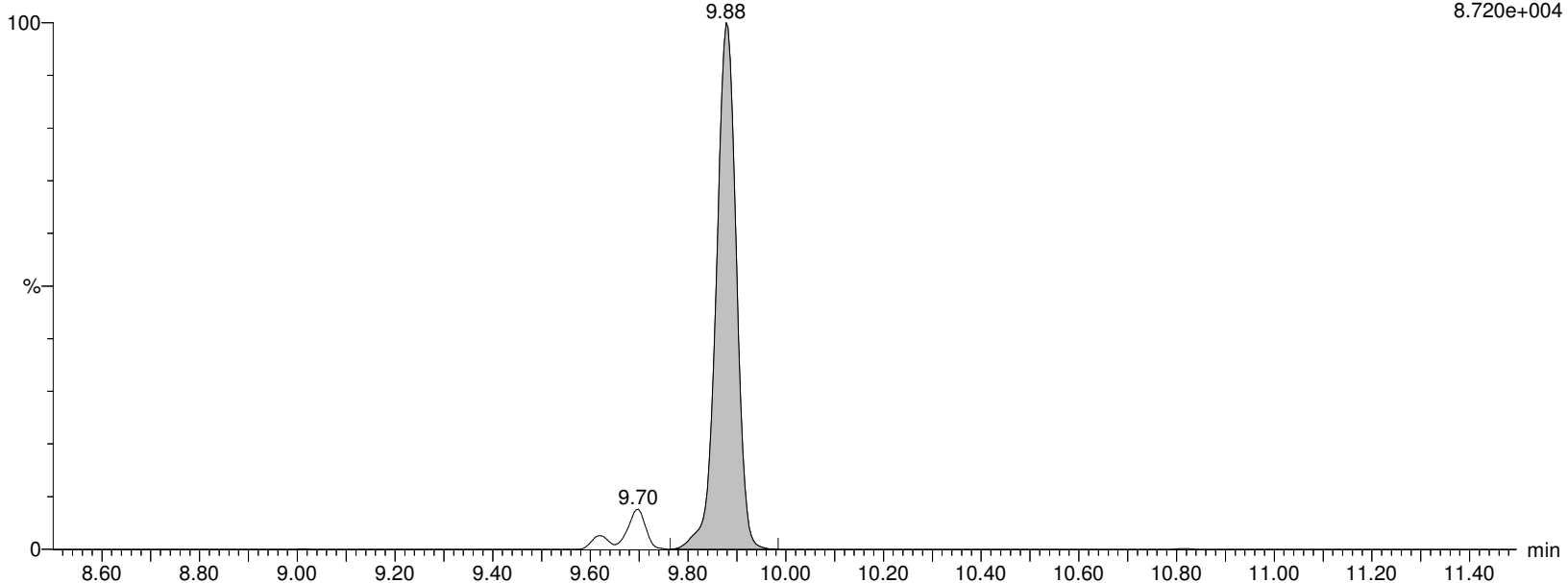
I18695 Smooth(Mn,3x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED L-PFOS

F29:MRM of 2 channels,ES-

498.989 > 99.27

8.720e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

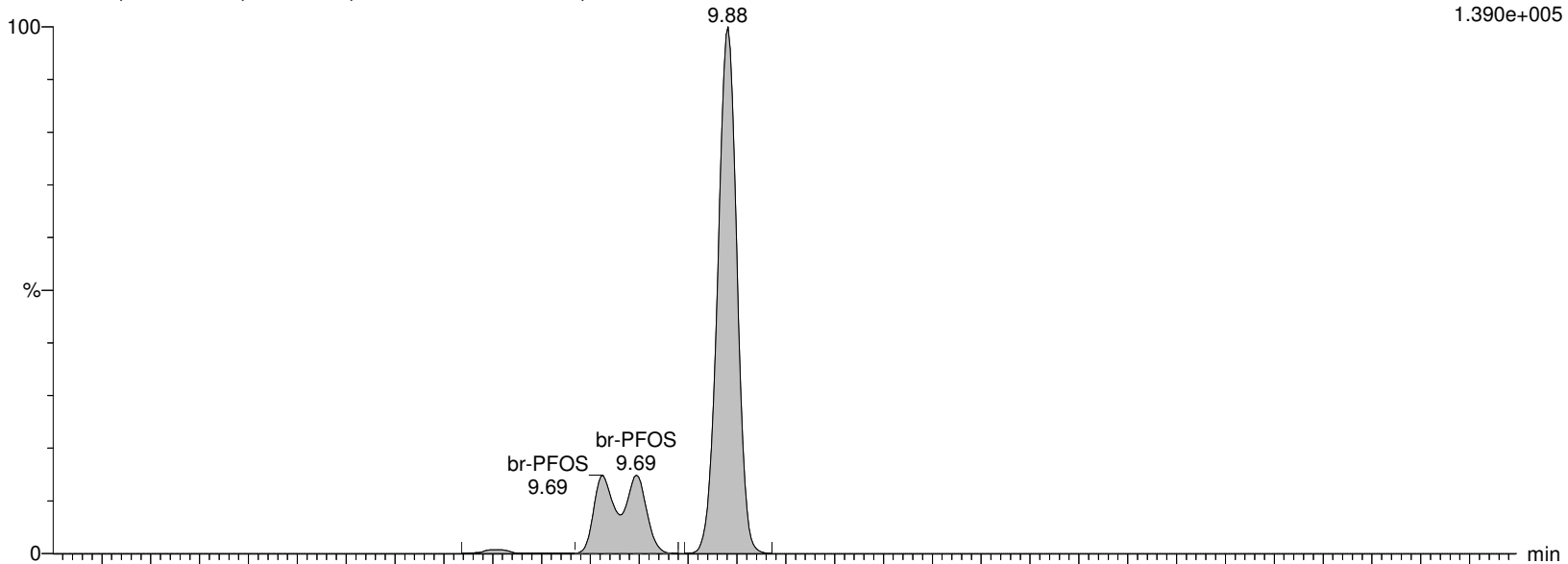
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.390e+005



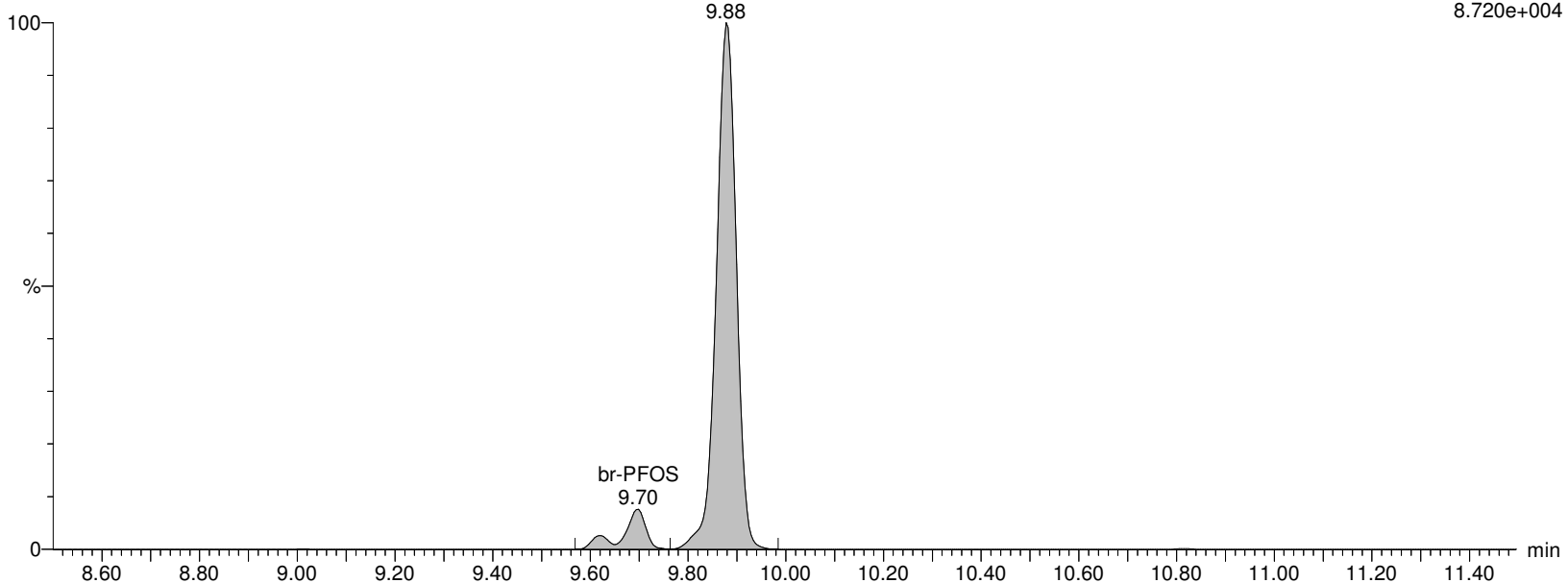
I18695 Smooth(Mn,3x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

8.720e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

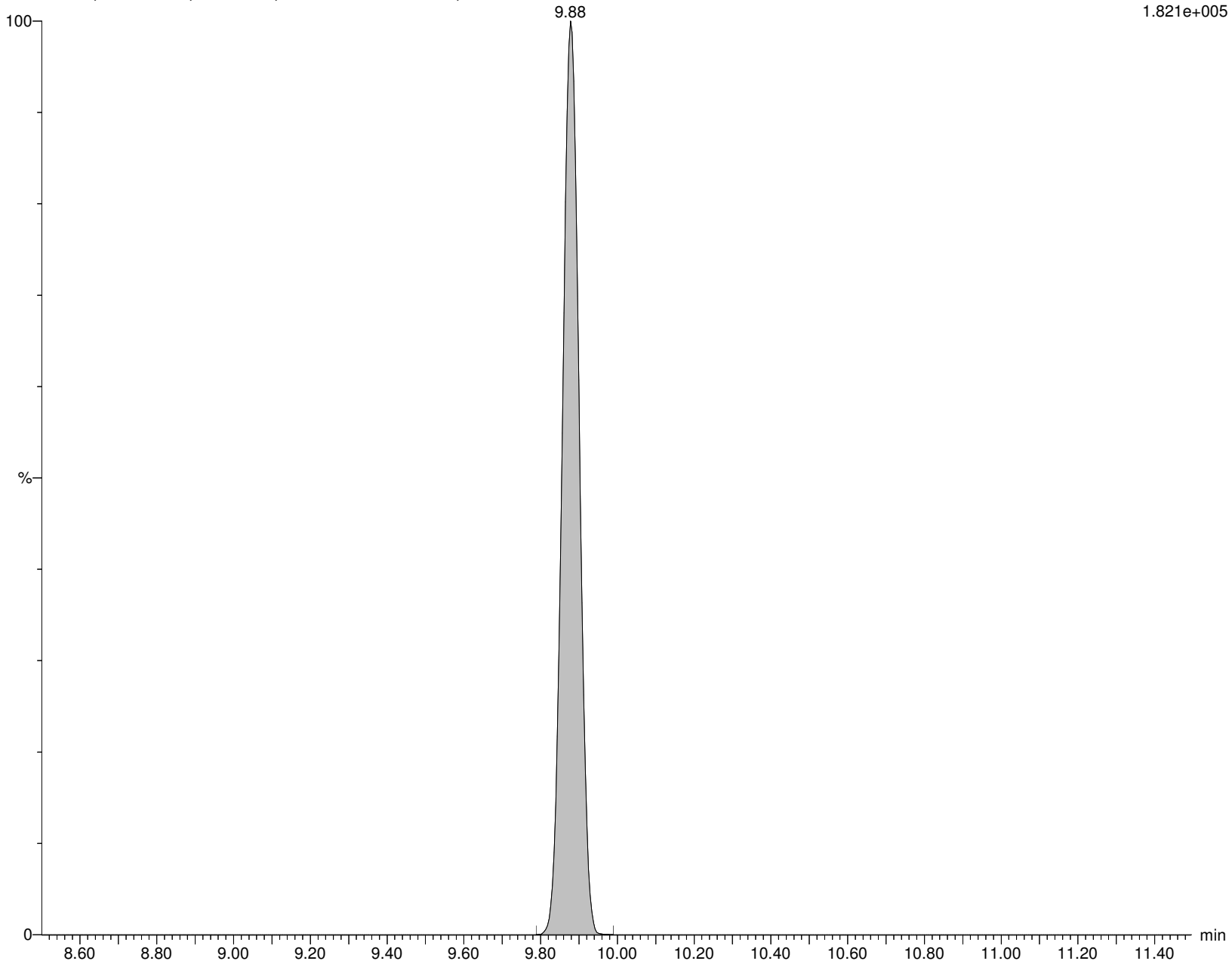
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED M4PFOS

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.821e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

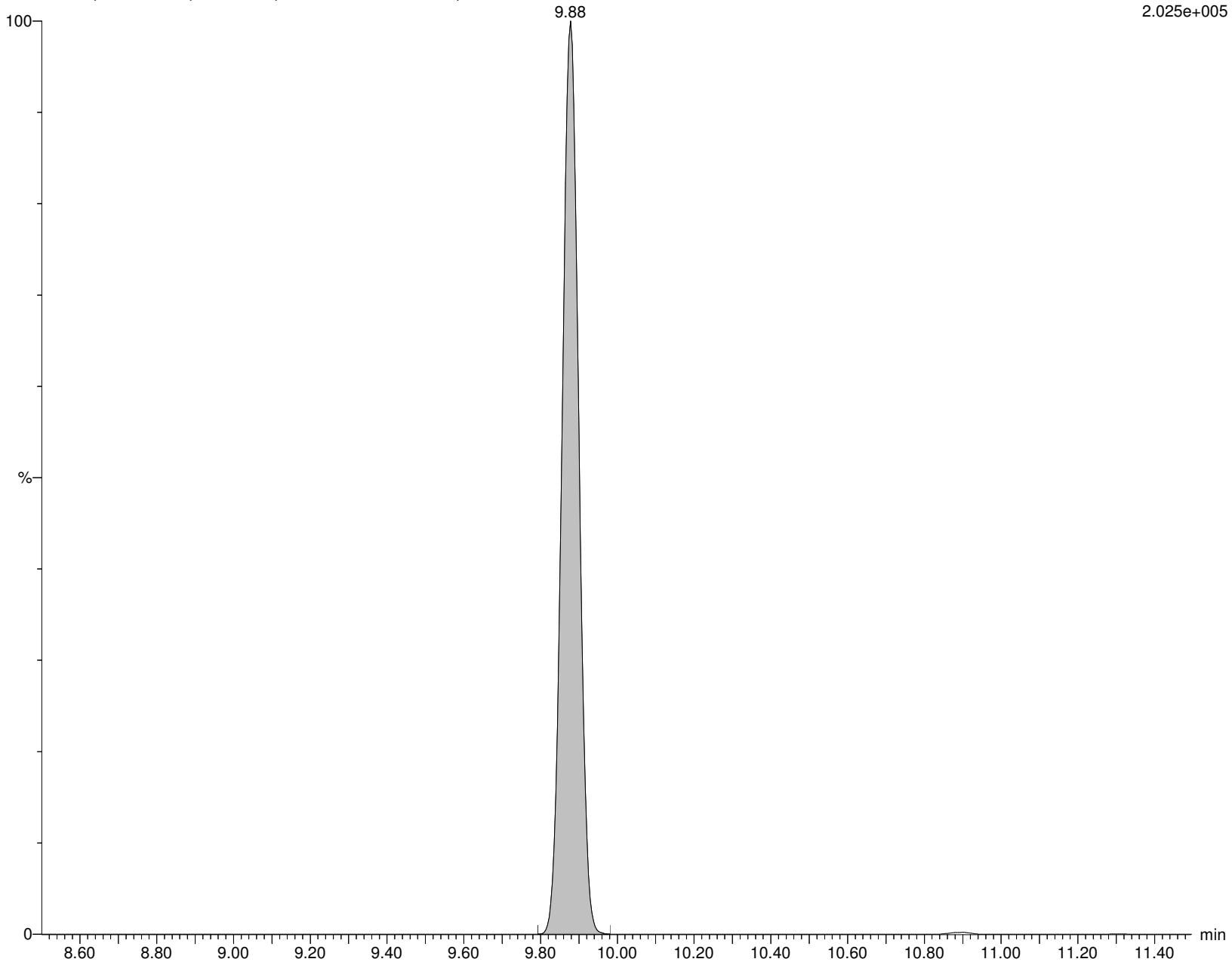
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED M8PFOS

F32:MRM of 1 channel, ES-

507.053 > 80.294

2.025e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

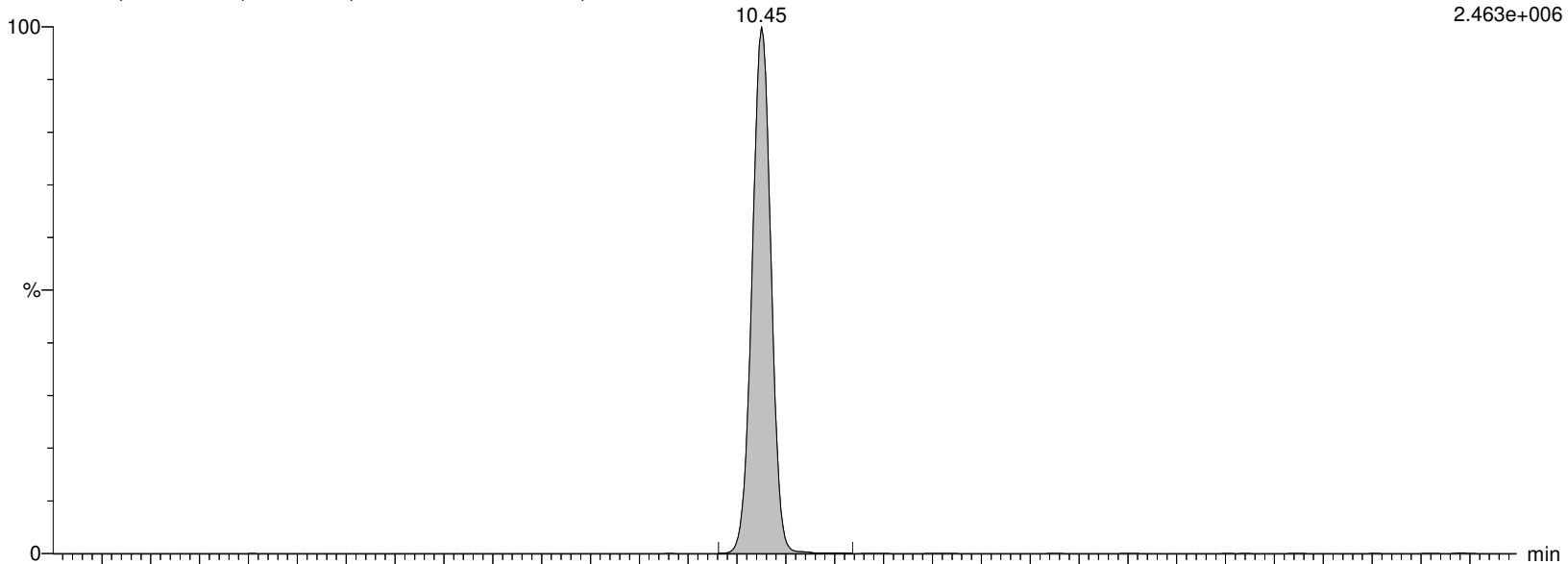
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F34:MRM of 2 channels, ES-

513.053 > 468.906

2.463e+006



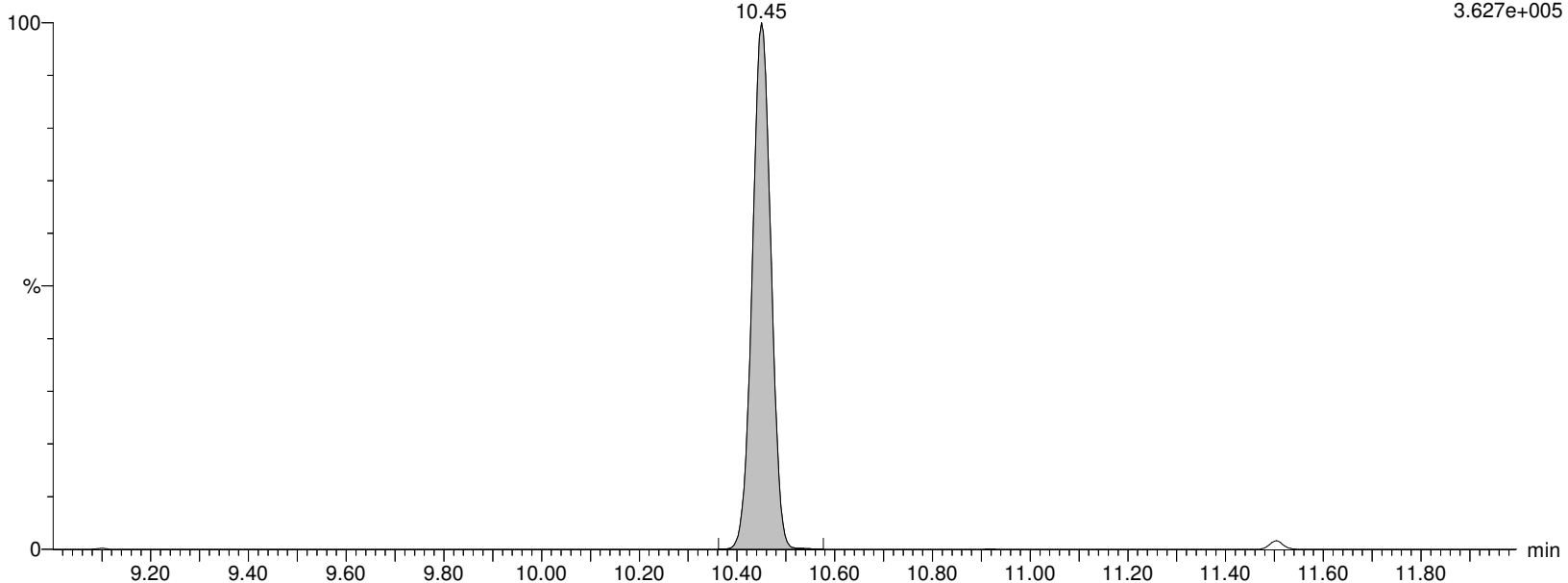
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F34:MRM of 2 channels, ES-

513.053 > 219.08

3.627e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

I18695 Smooth(Mn,2x3)

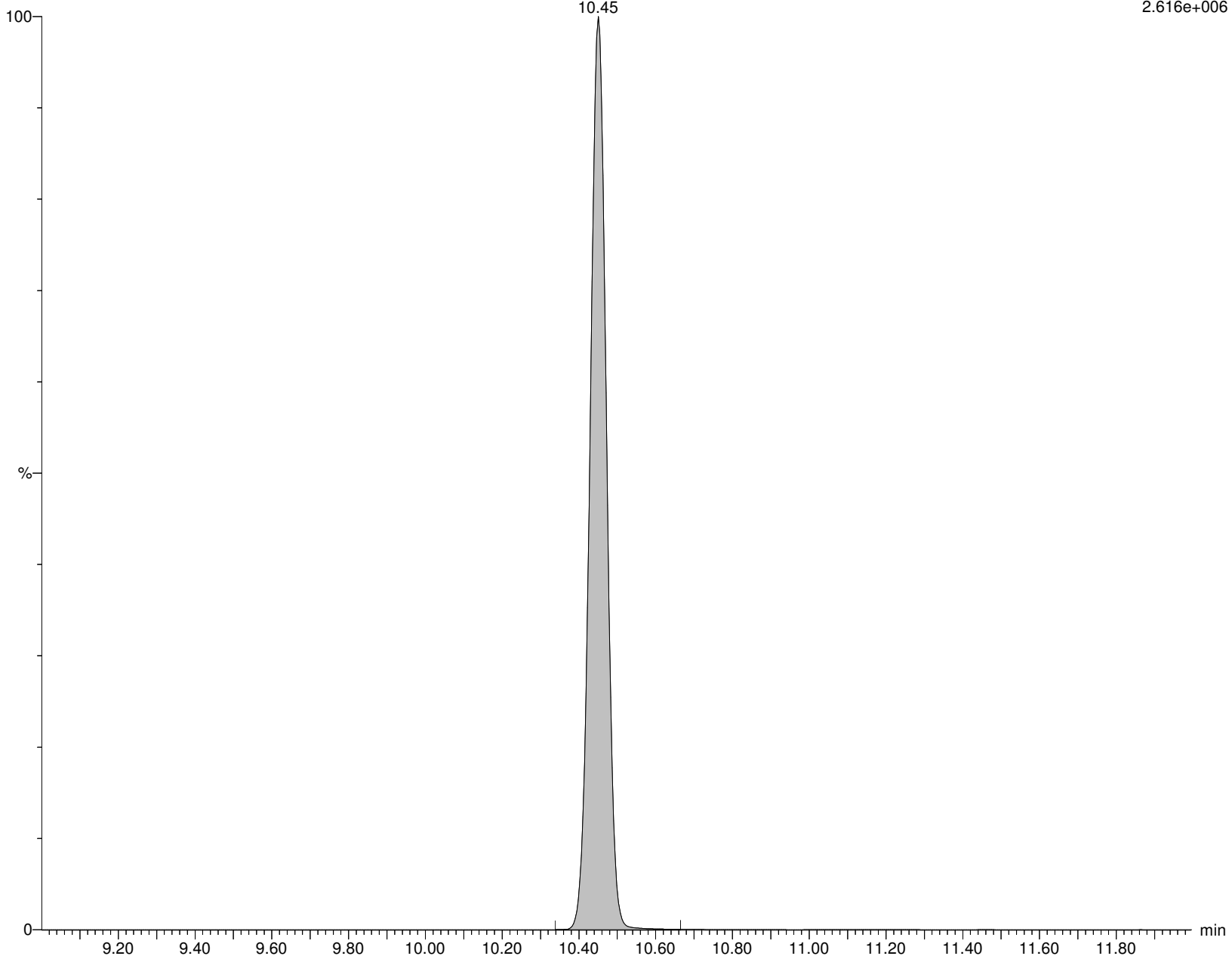
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M2PFDA

F36:MRM of 1 channel, ES-

515.053 > 469.934

2.616e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

I18695 Smooth(Mn,2x3)

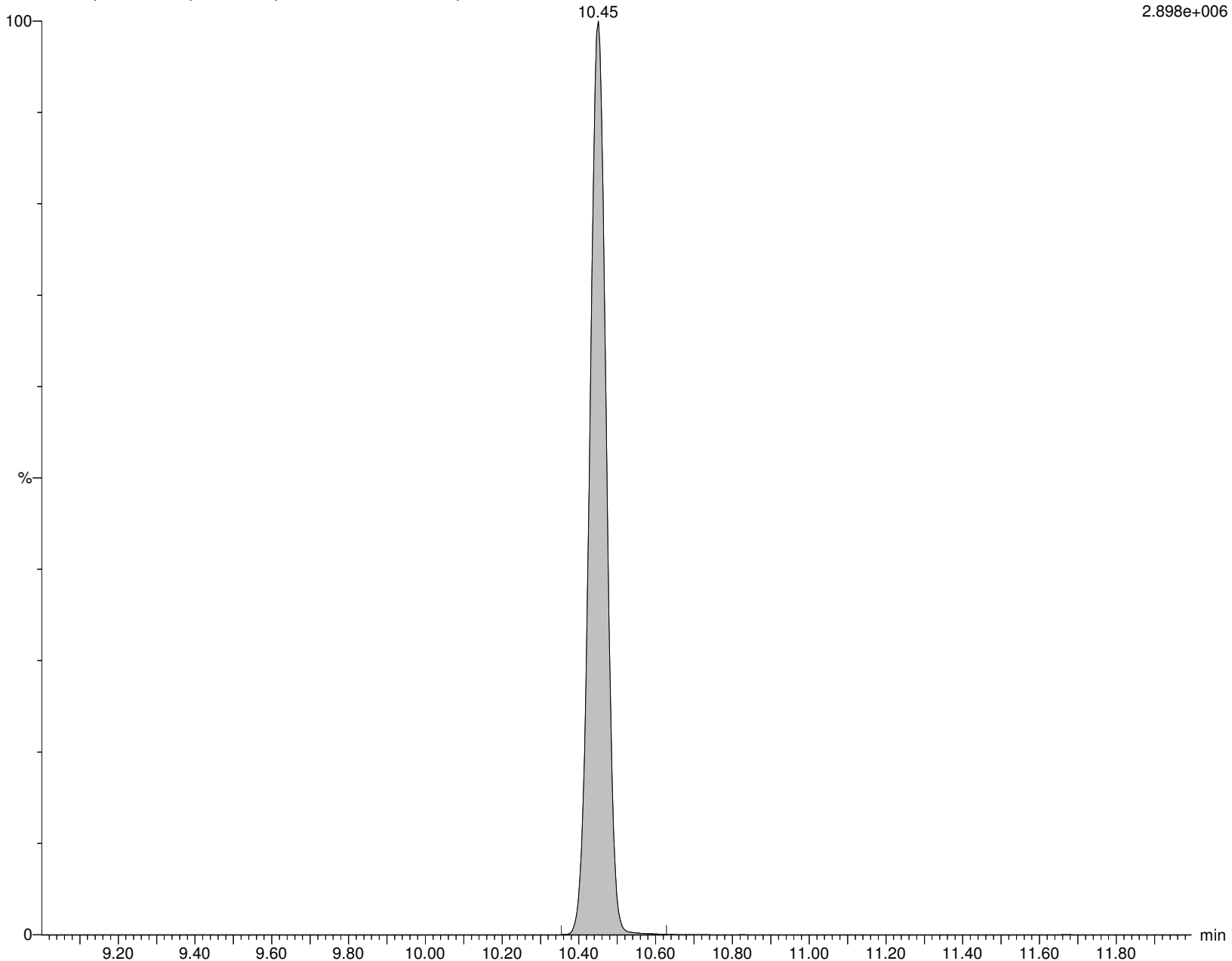
WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

M6PFDA

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.898e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

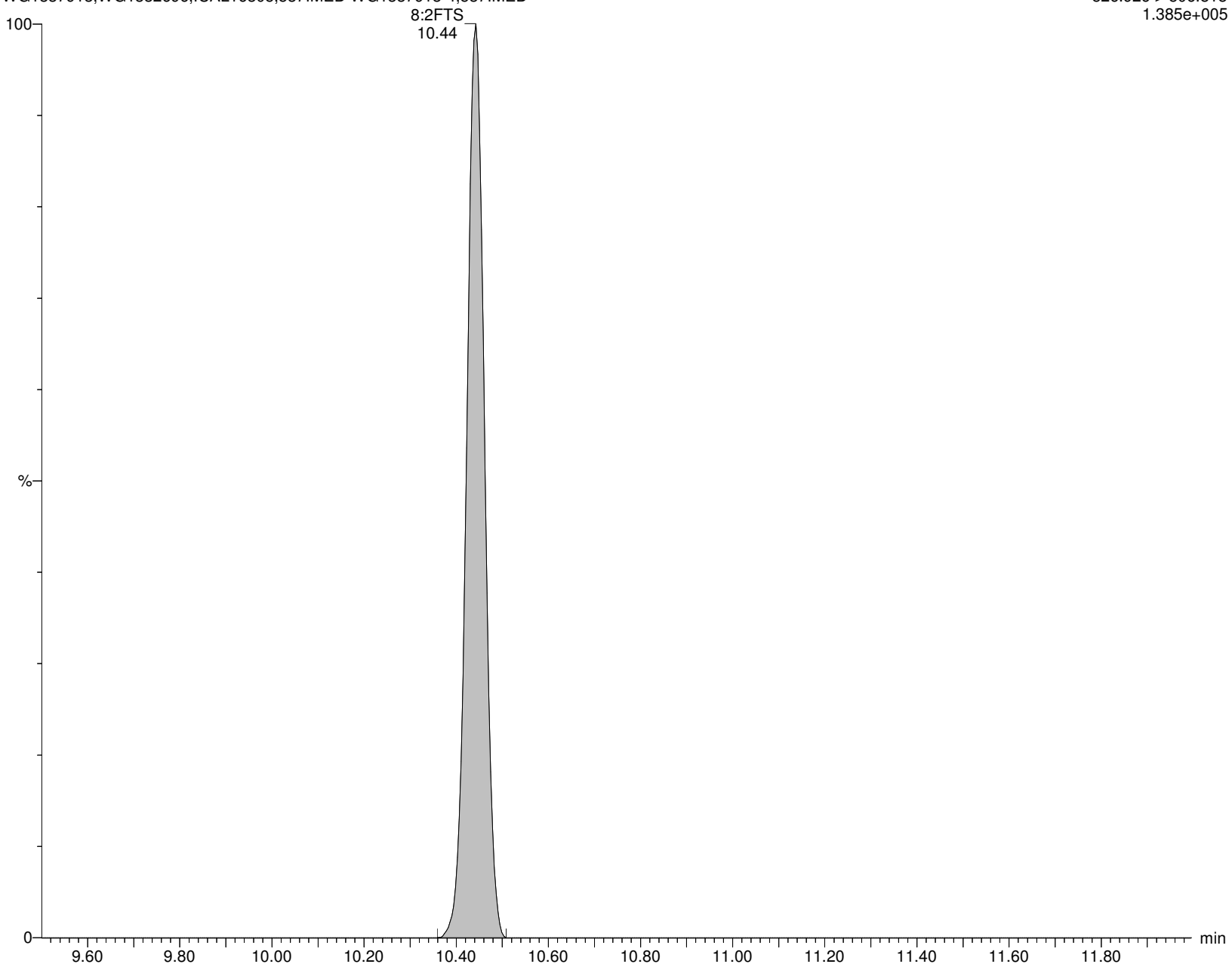
I18695 Smooth(Mn,2x2)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F39:MRM of 2 channels,ES-

526.926 > 506.818

1.385e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

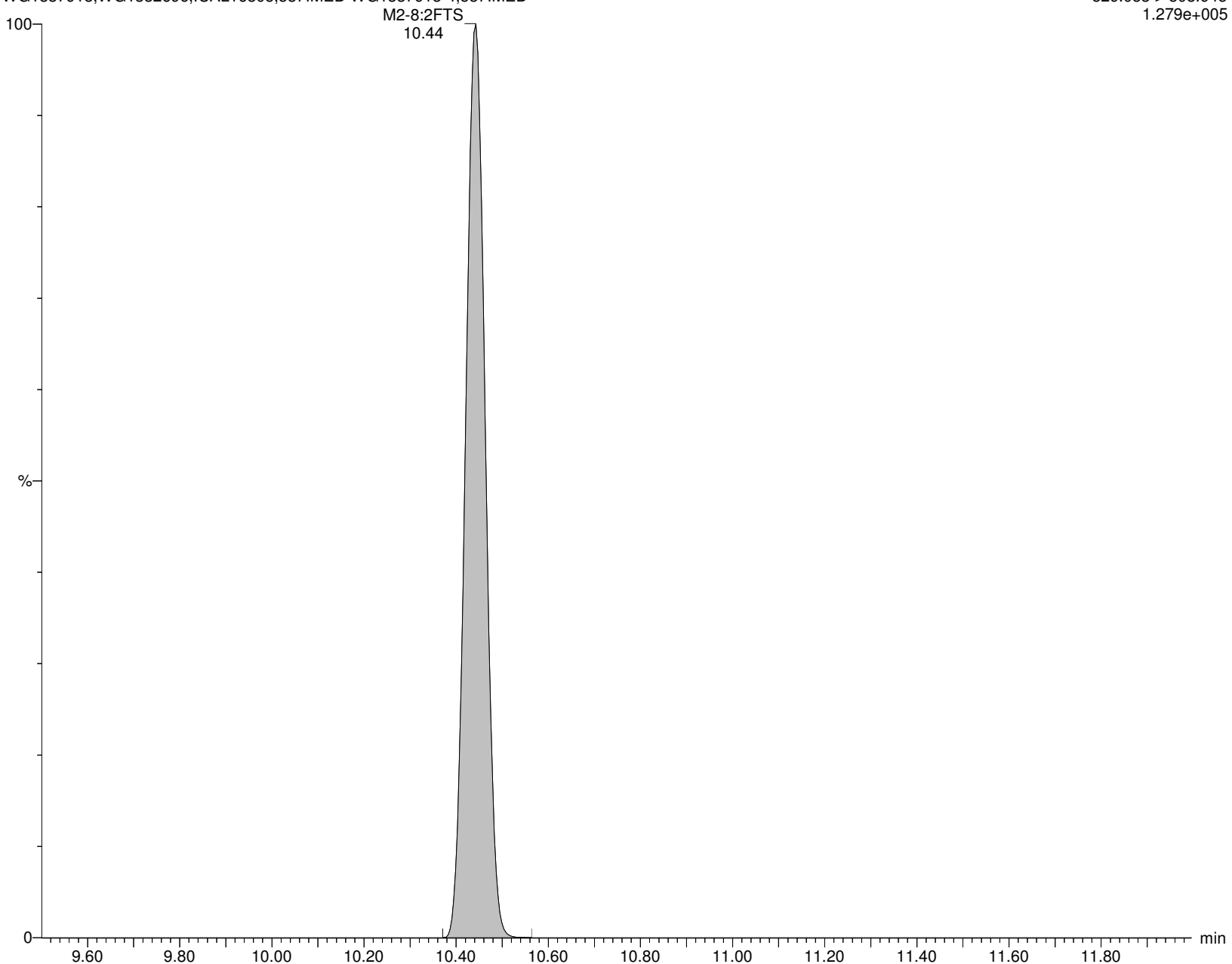
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F40:MRM of 2 channels,ES-

529.053 > 508.945

1.279e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

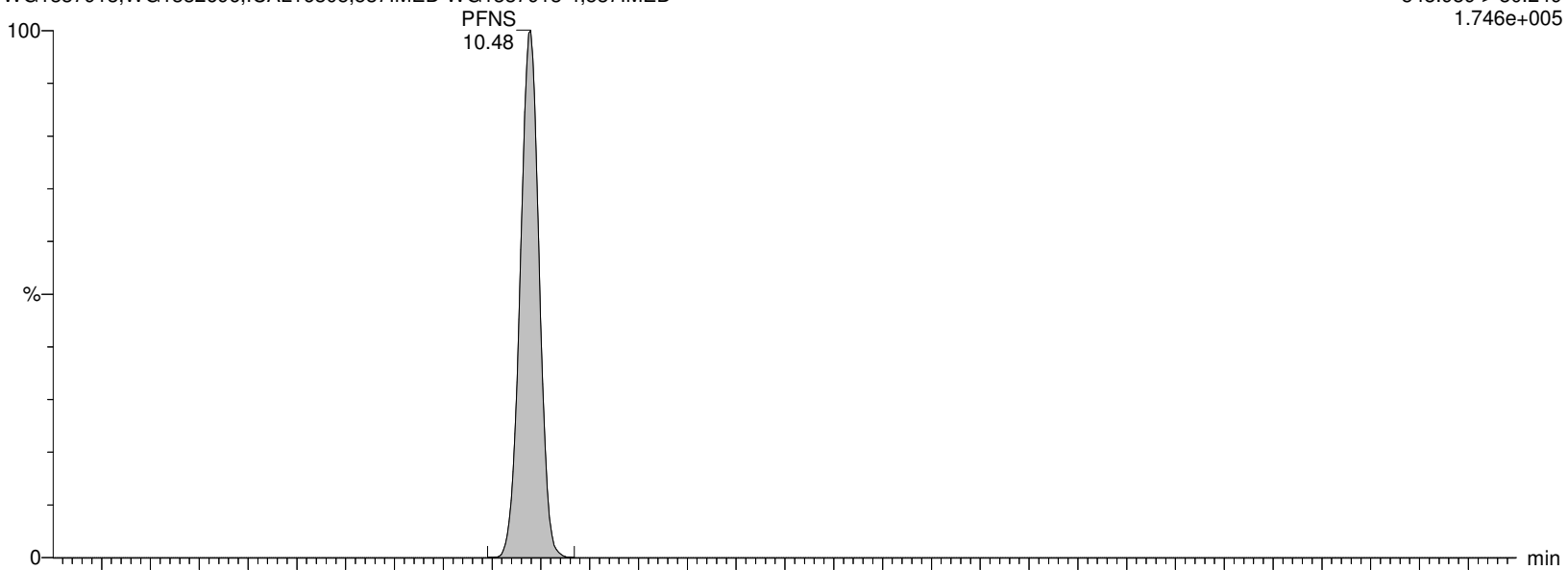
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F43:MRM of 2 channels, ES-

548.989 > 80.249

1.746e+005



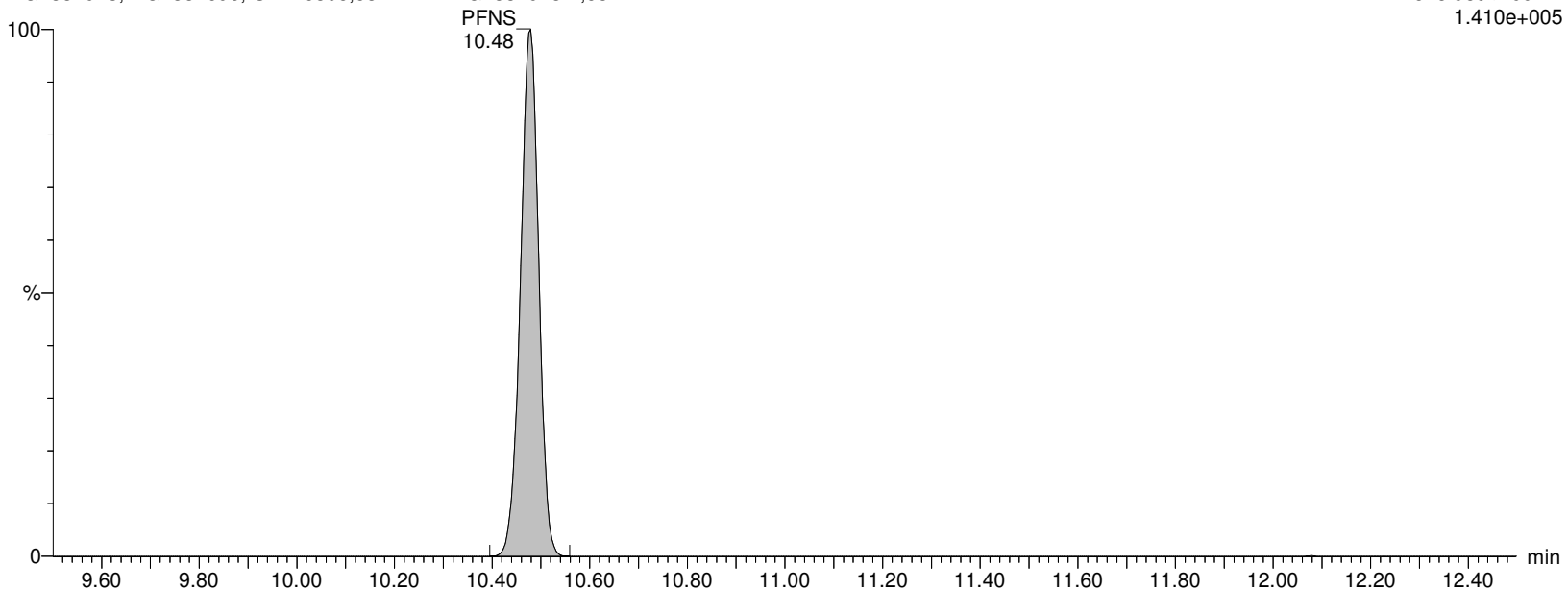
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F43:MRM of 2 channels, ES-

548.989 > 99.22

1.410e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

I18695 Smooth(Mn,2x3)

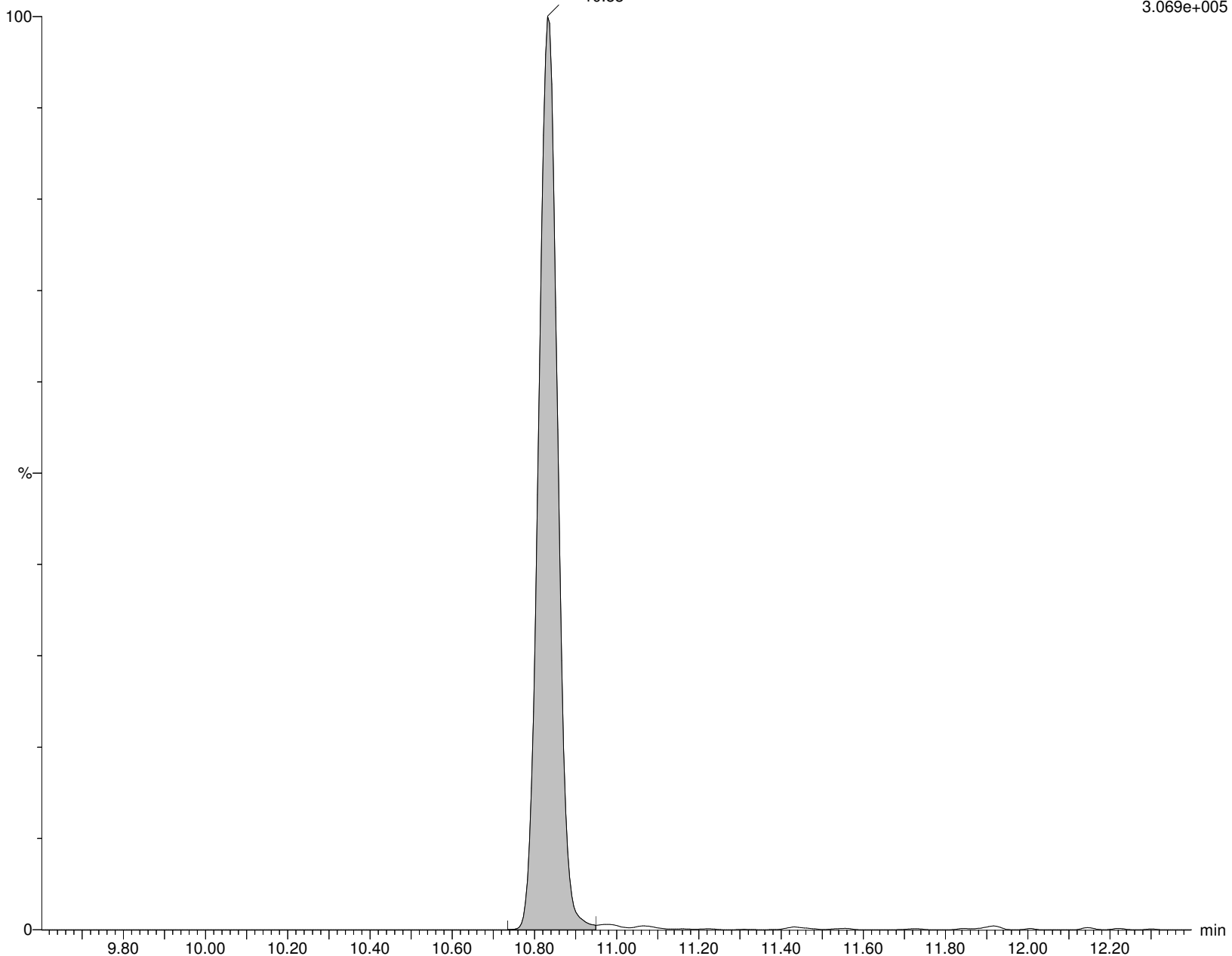
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

d3-NMeFOSAA
10.83

F47:MRM of 1 channel, ES-

573.096 > 418.987

3.069e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

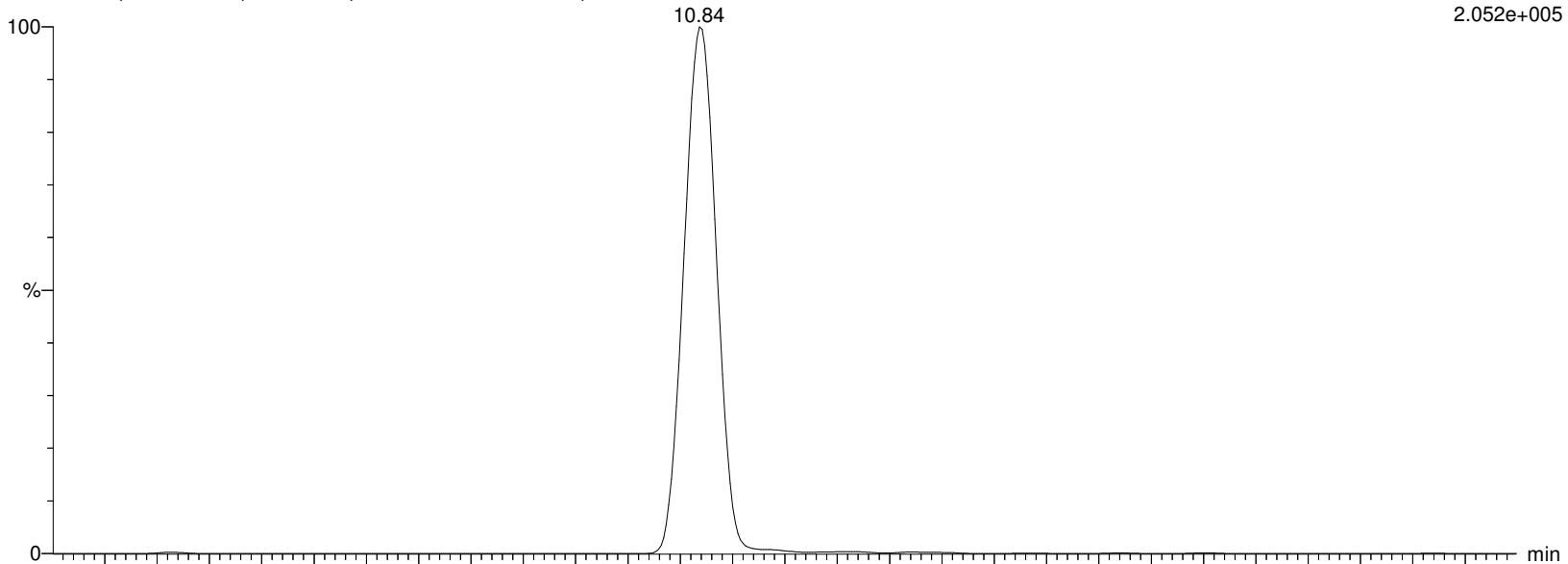
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.052e+005



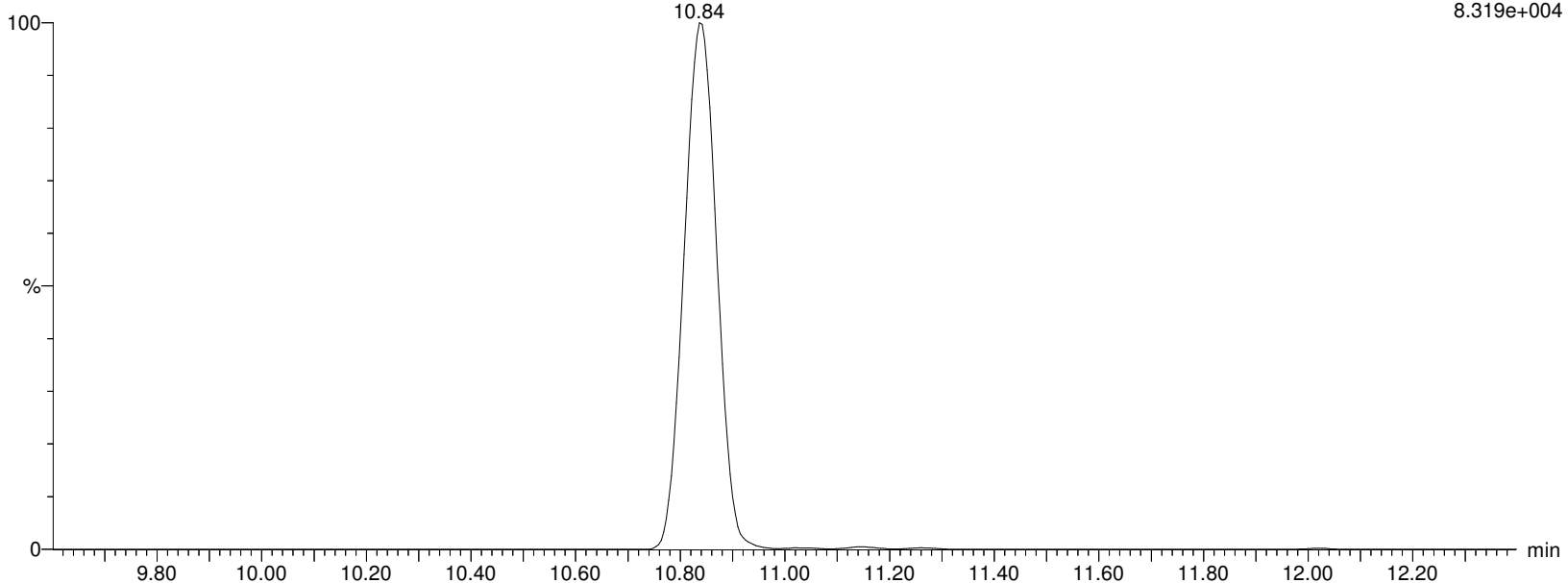
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.319e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

I18695 Smooth(Mn,2x5)

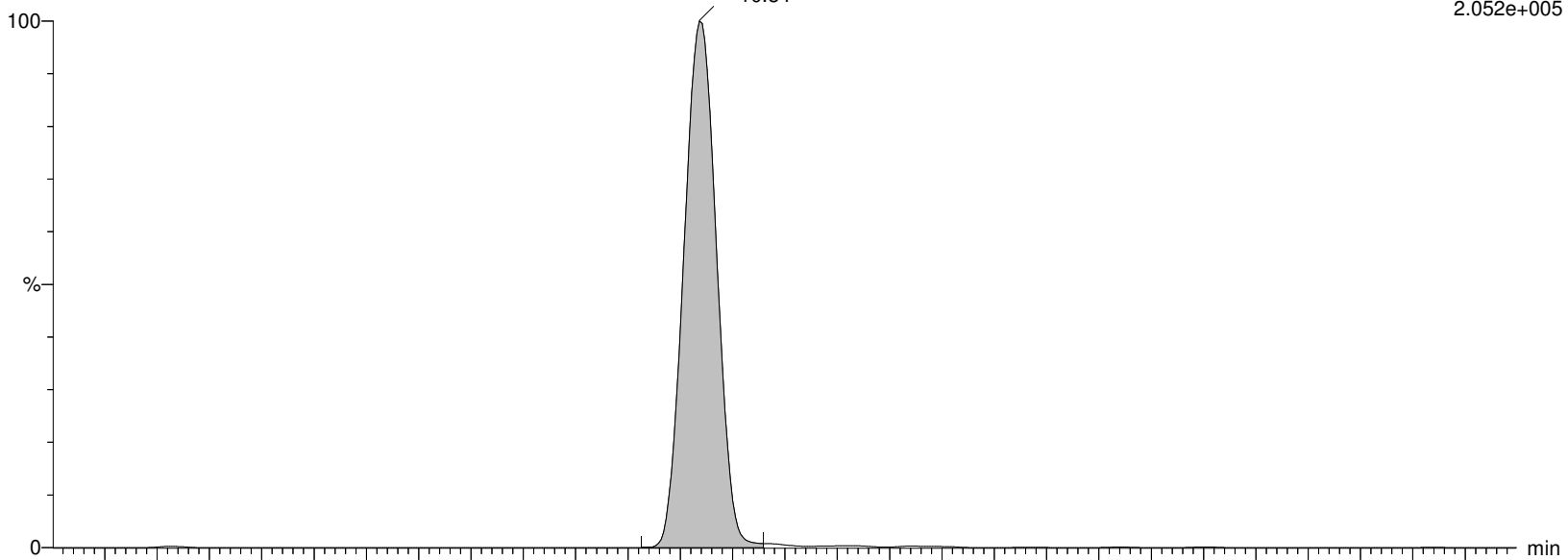
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

L-NMeFOSAA
10.84

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.052e+005



I18695 Smooth(Mn,2x5)

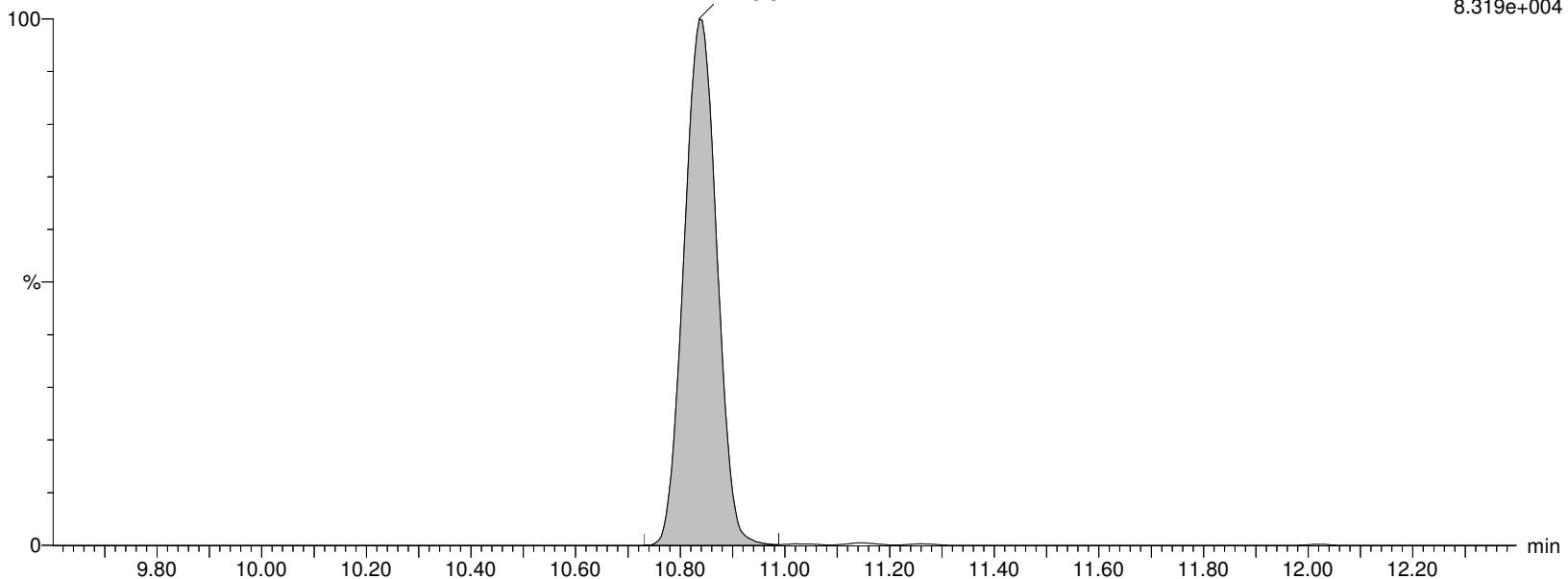
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

L-NMeFOSAA
10.84

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.319e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

I18695 Smooth(Mn,2x5)

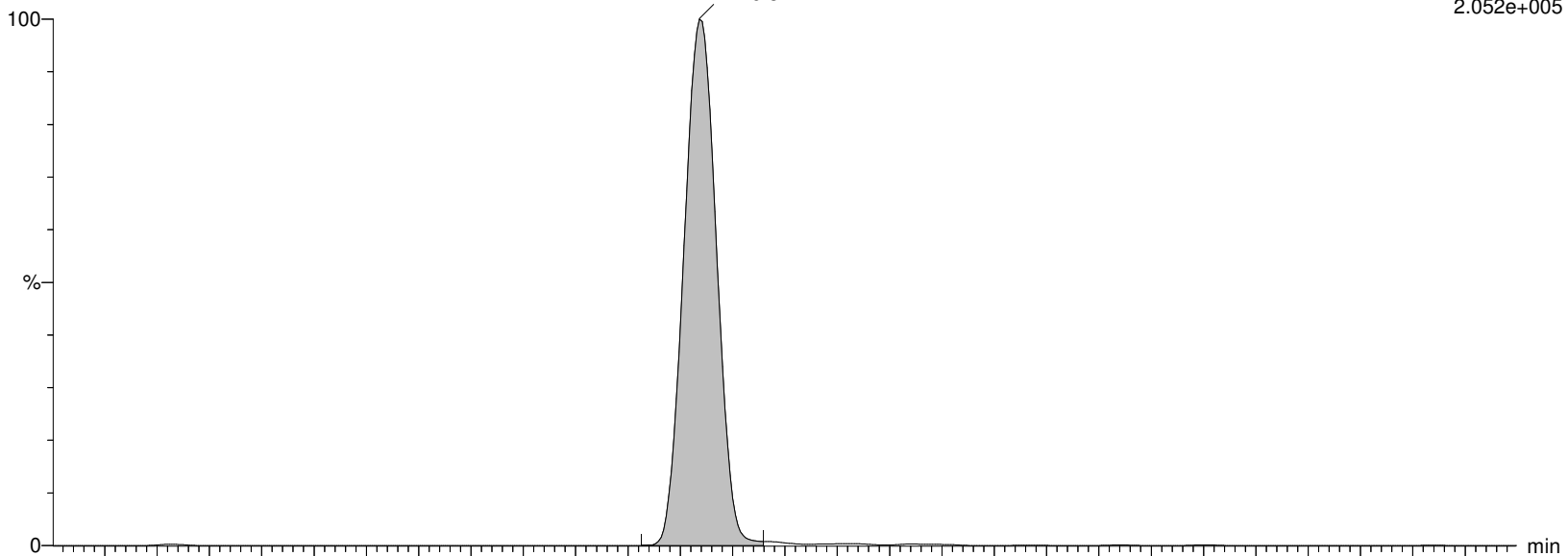
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

L-NMeFOSAA
10.84

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.052e+005



I18695 Smooth(Mn,2x5)

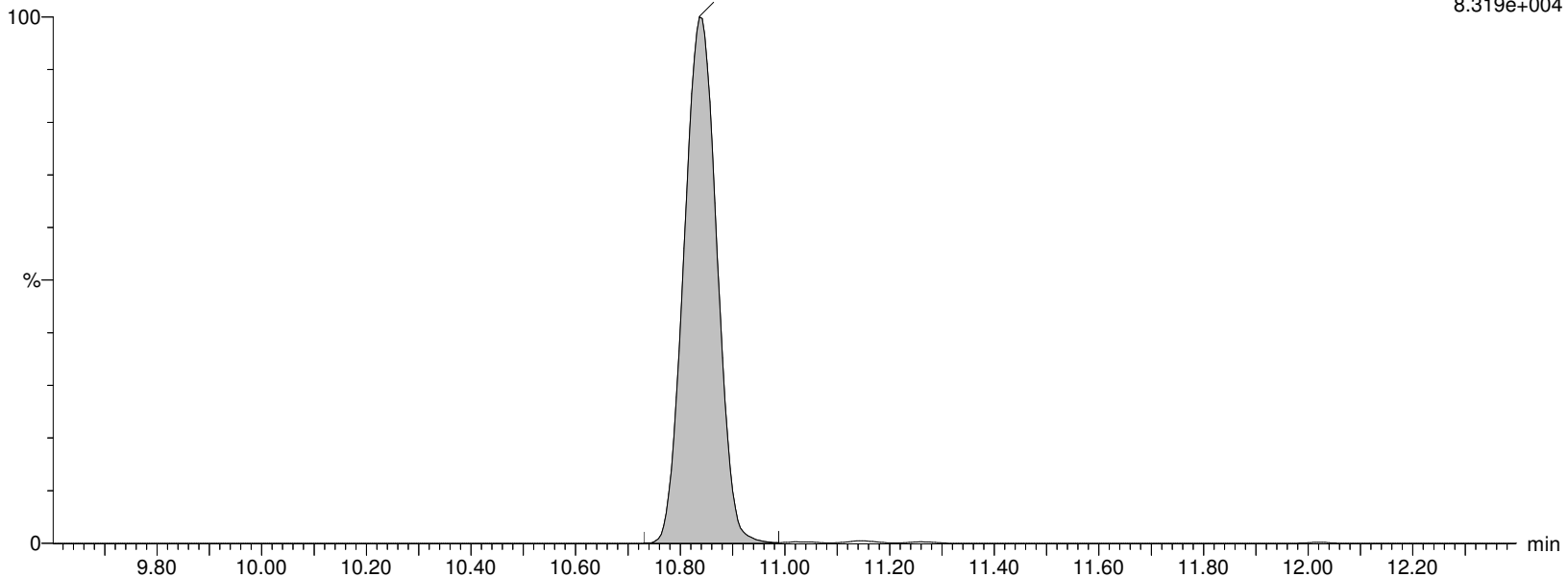
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

L-NMeFOSAA
10.84

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.319e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

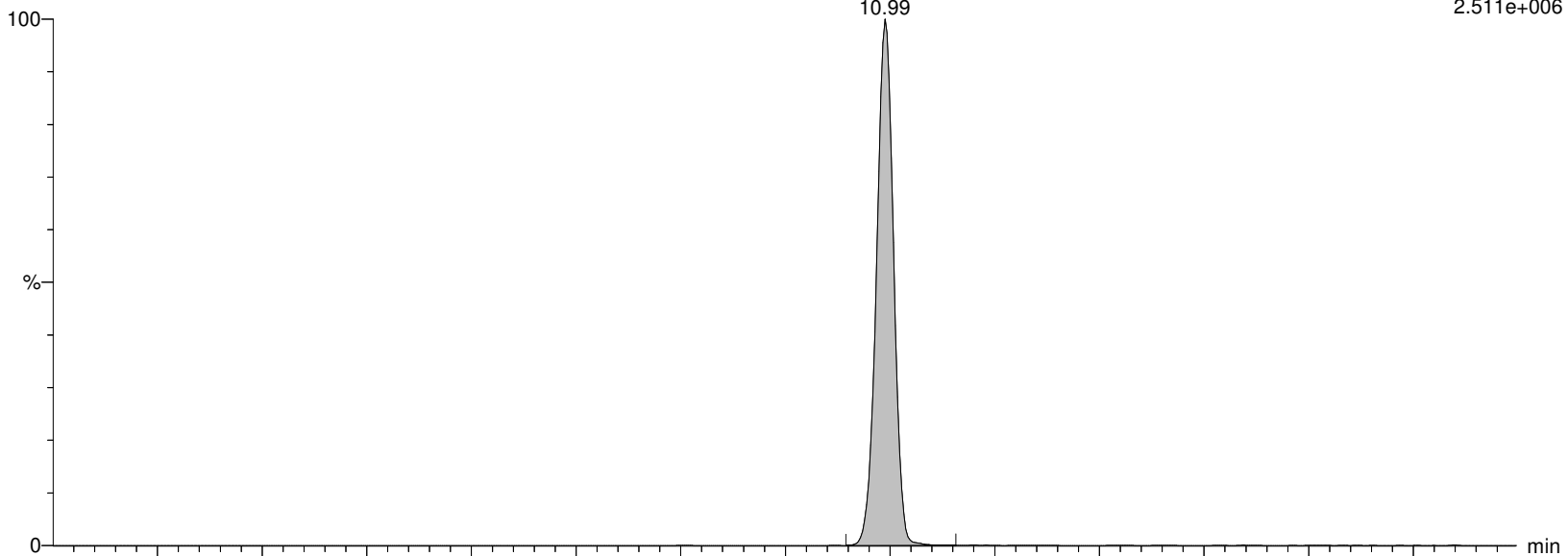
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F44:MRM of 2 channels, ES-

562.989 > 518.903

2.511e+006



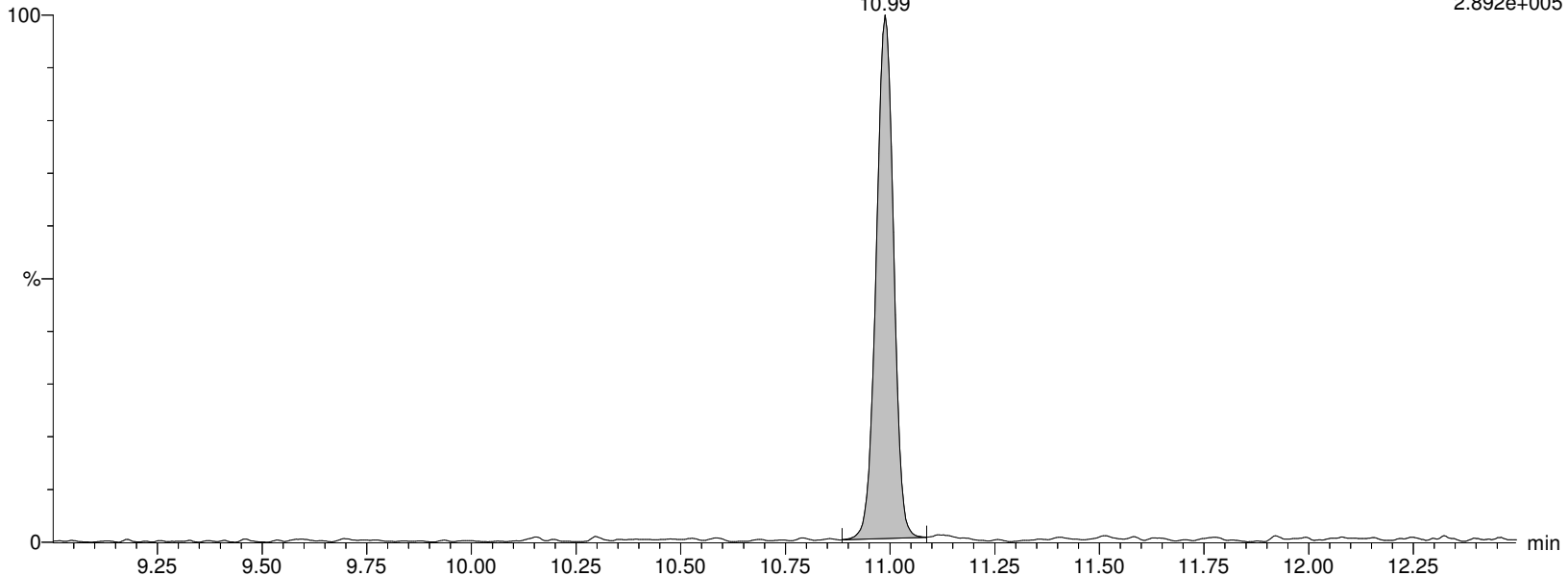
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F44:MRM of 2 channels, ES-

562.989 > 269.01

2.892e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

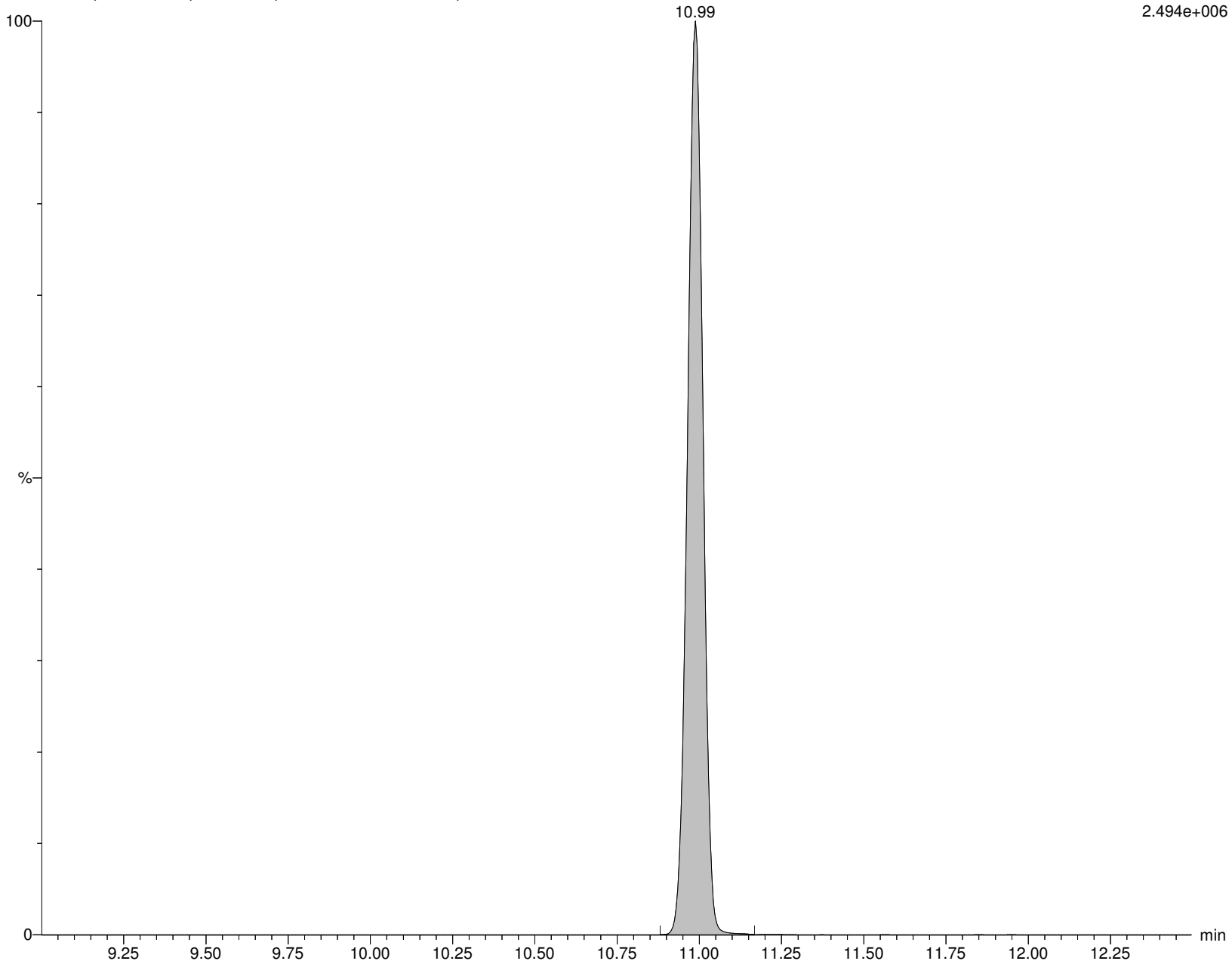
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F46:MRM of 1 channel,ES-

570.053 > 524.923

2.494e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDS**

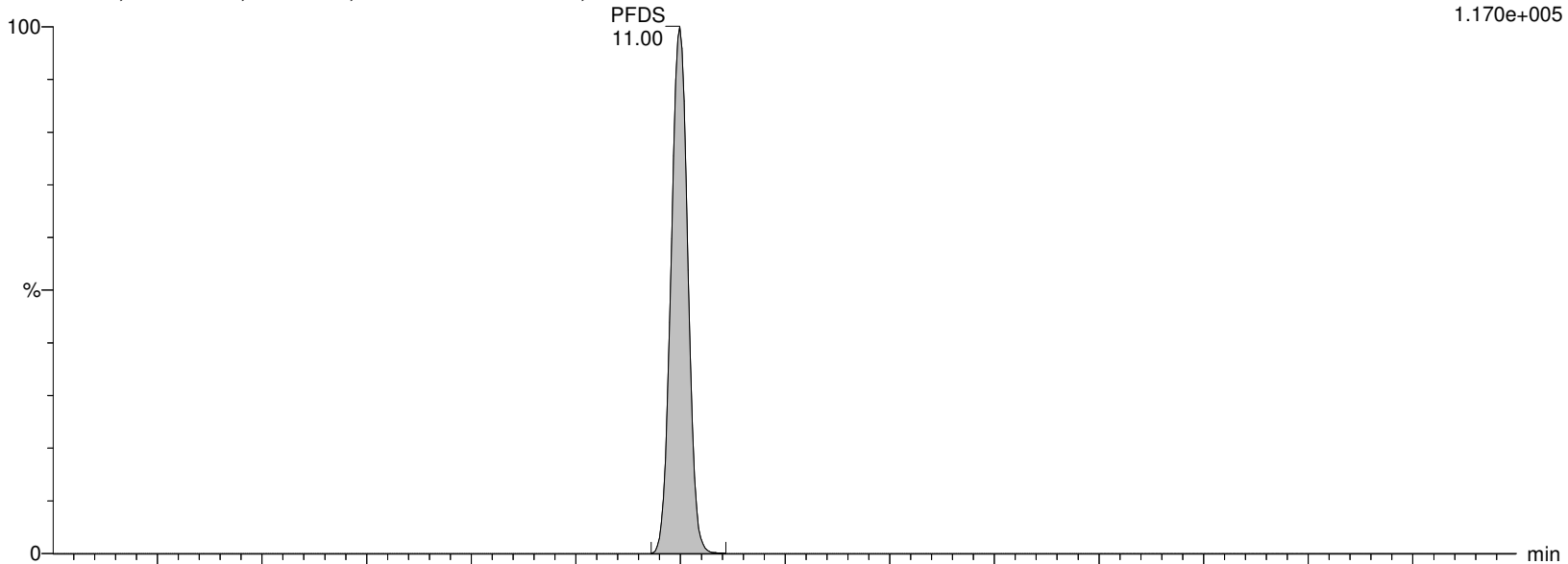
I18695 Smooth(Mn,2x2)

F50:MRM of 2 channels,ES-

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

598.926 > 80.314

1.170e+005



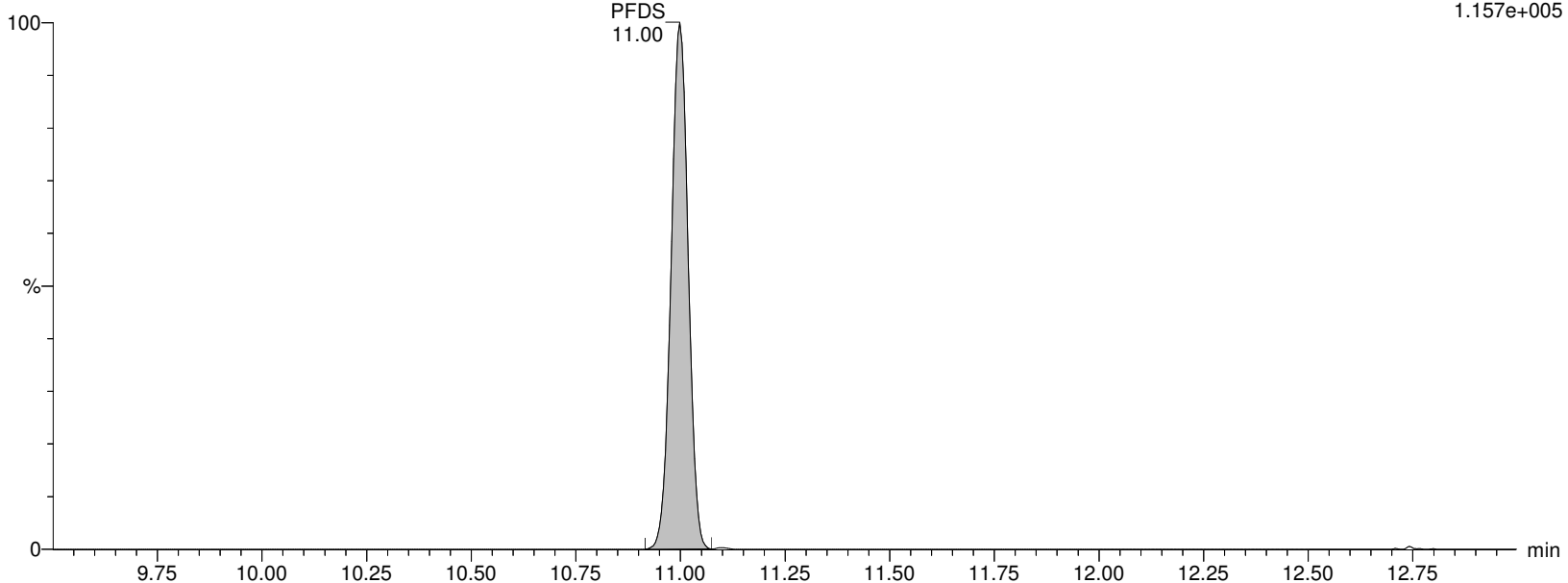
I18695 Smooth(Mn,2x2)

F50:MRM of 2 channels,ES-

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

598.926 > 99.22

1.157e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

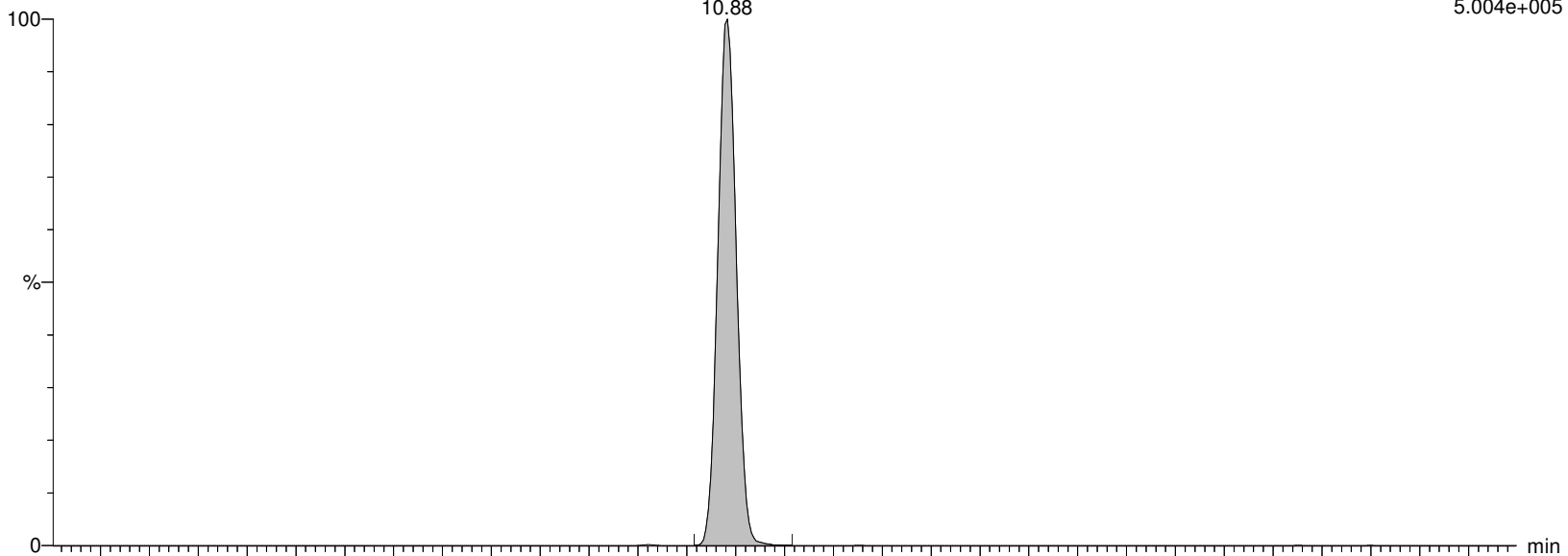
FOSA

10.88

F28:MRM of 2 channels, ES-

497.989 > 78.245

5.004e+005



I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

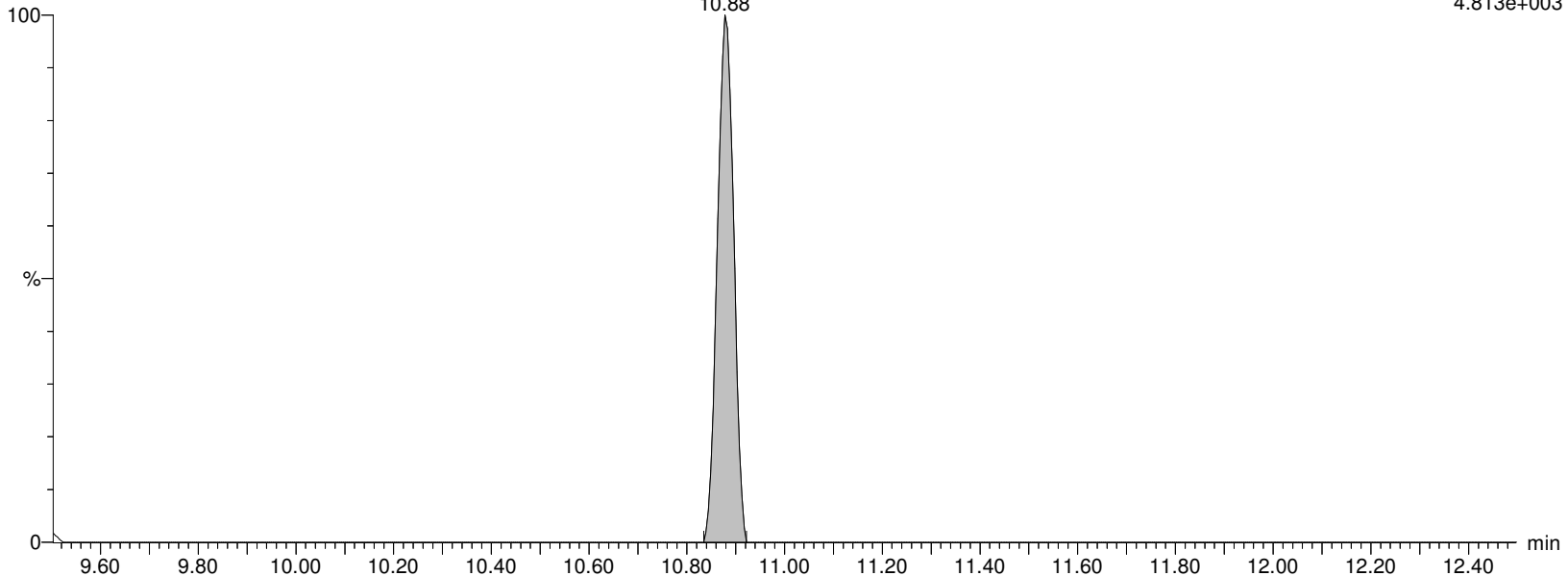
FOSA

10.88

F28:MRM of 2 channels, ES-

497.989 > 168.854

4.813e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

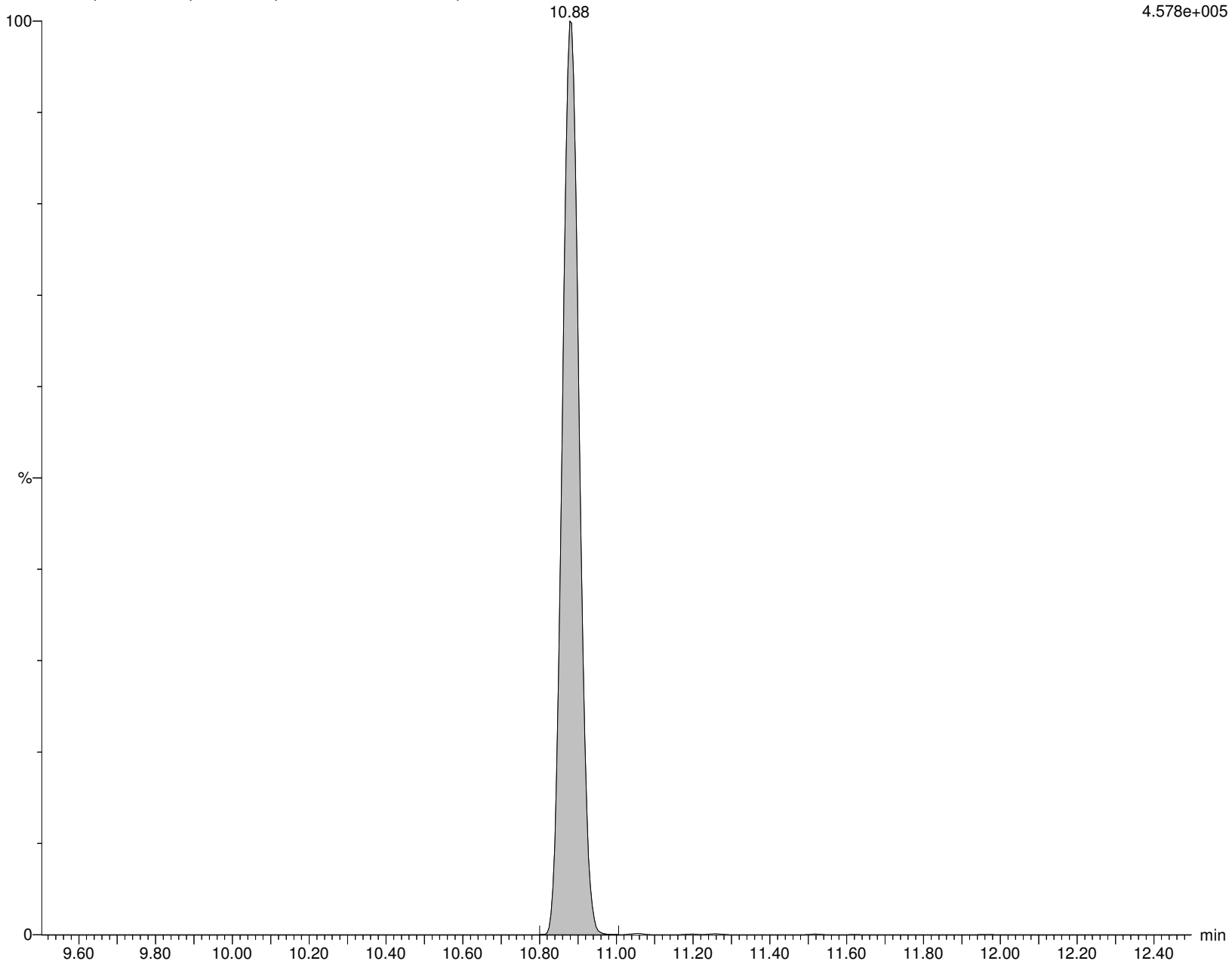
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED M8FOSA

F31:MRM of 1 channel, ES-

506.053 > 78.286

4.578e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

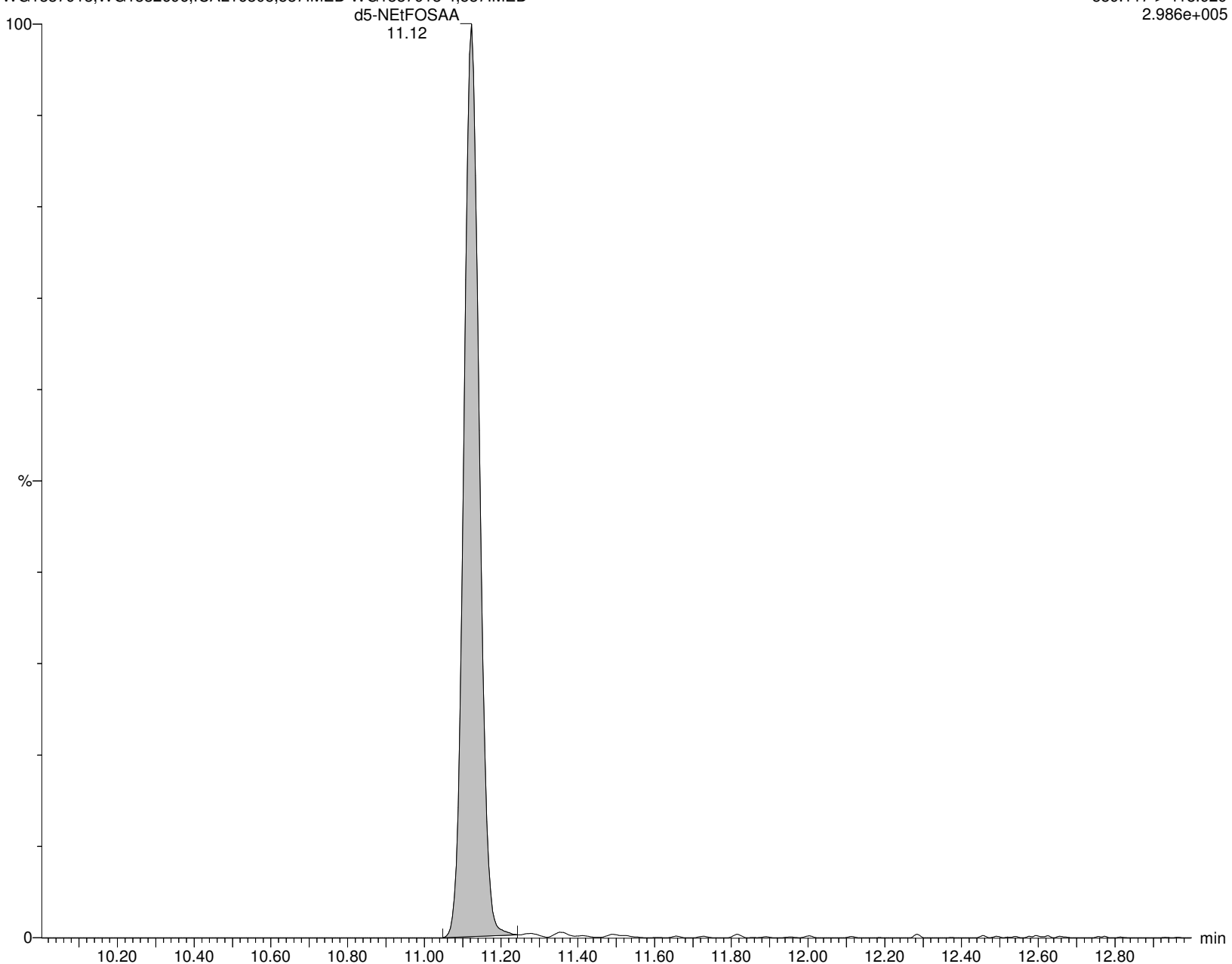
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.986e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

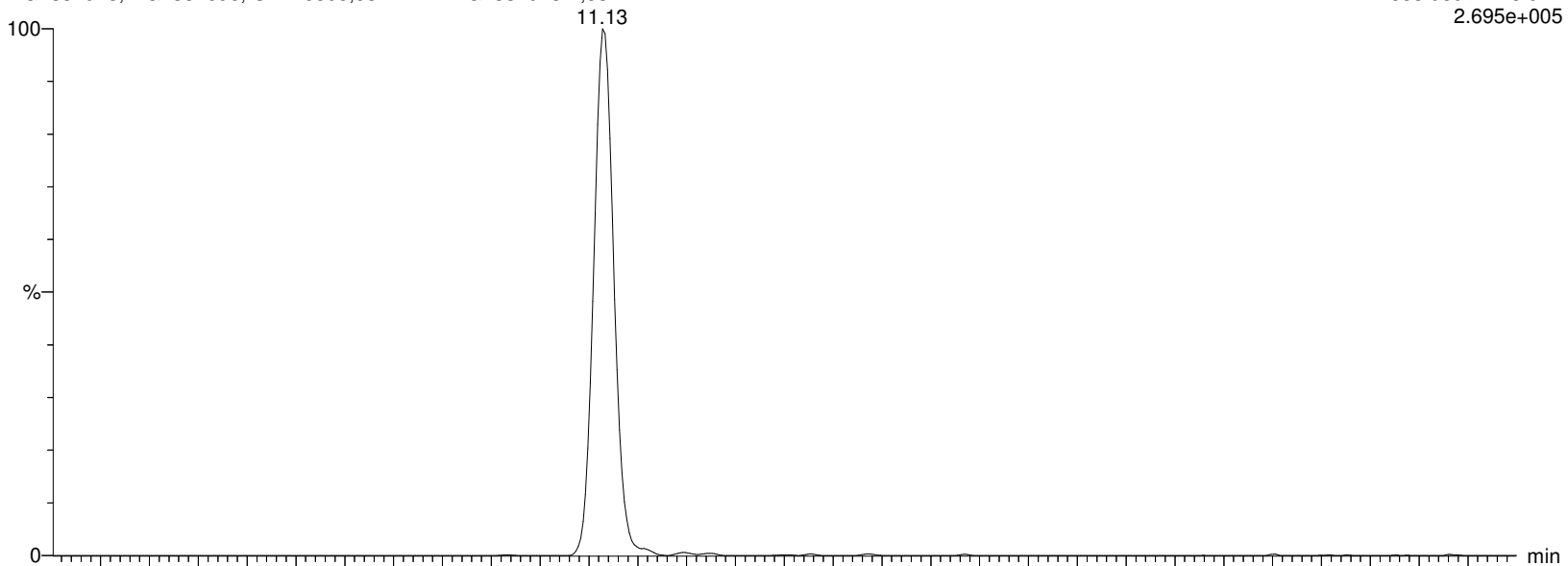
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.695e+005



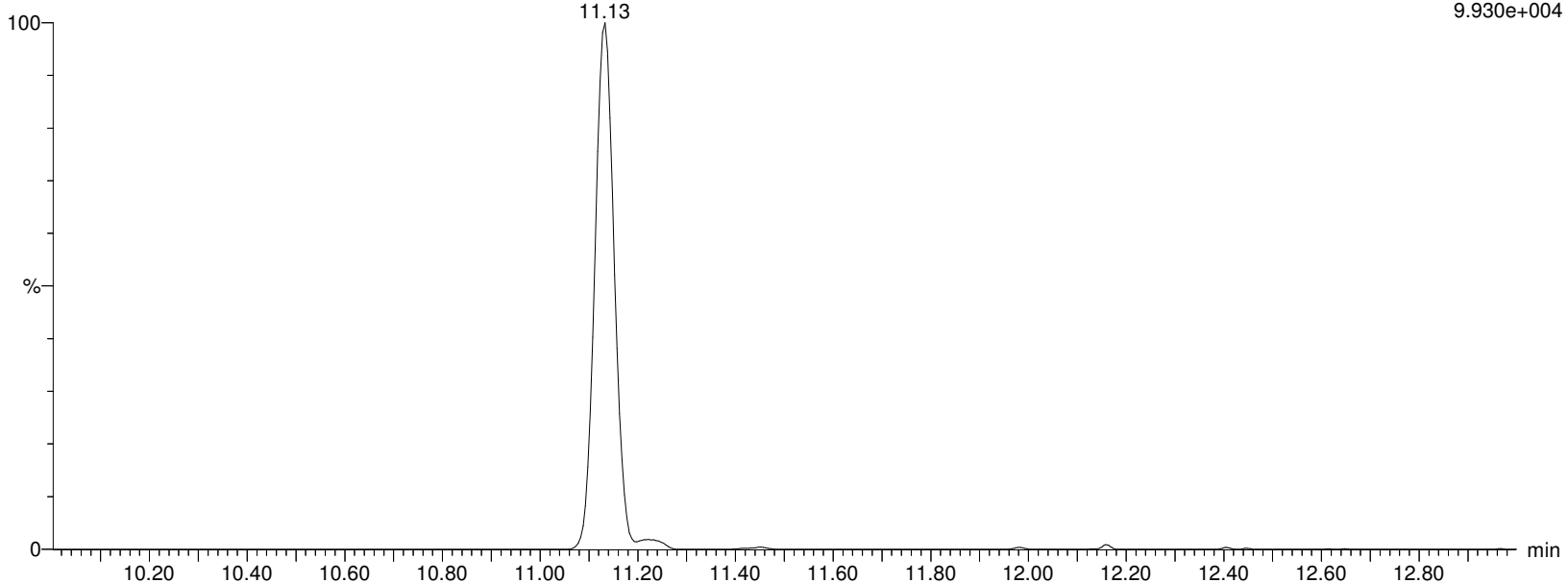
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.930e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

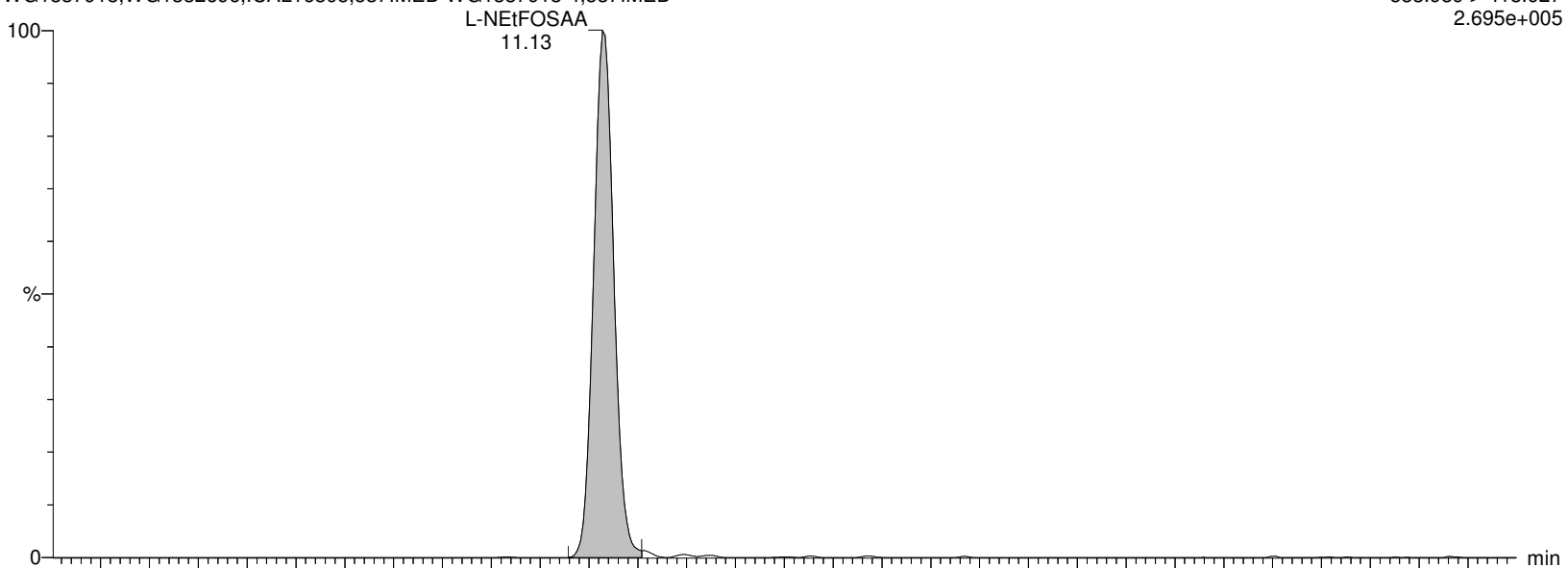
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.695e+005



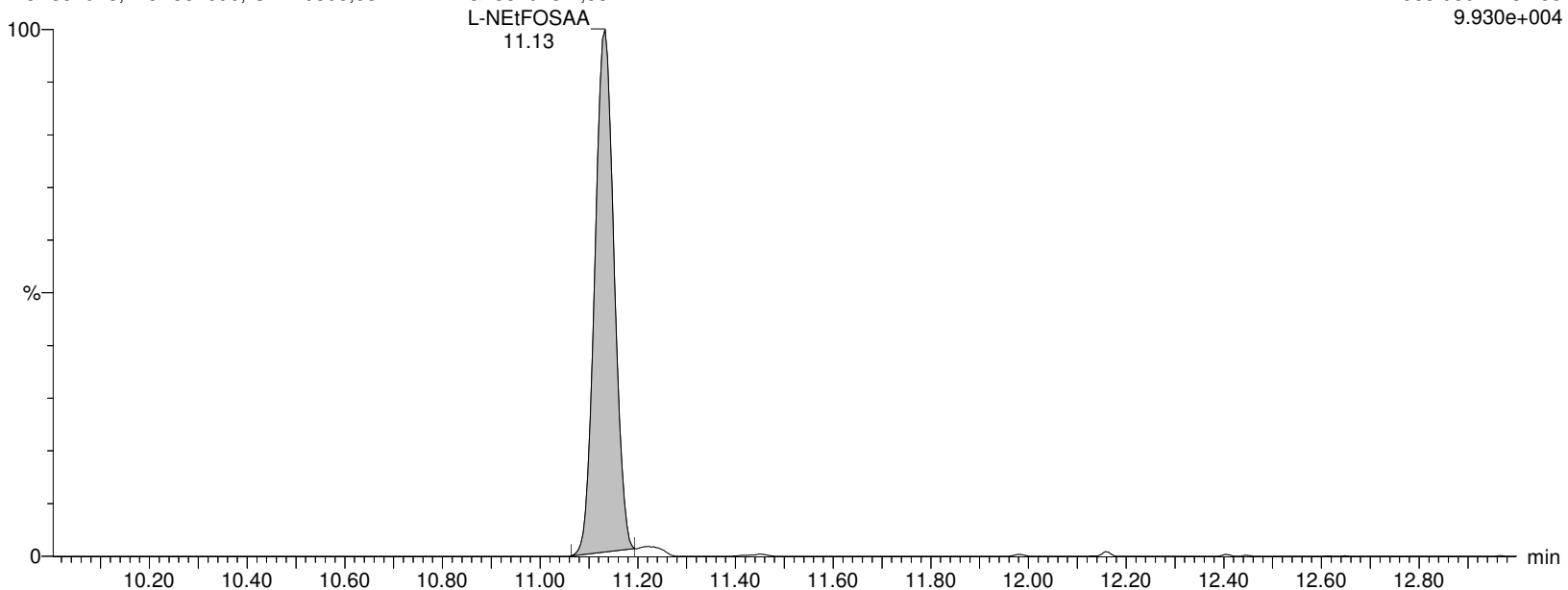
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.930e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

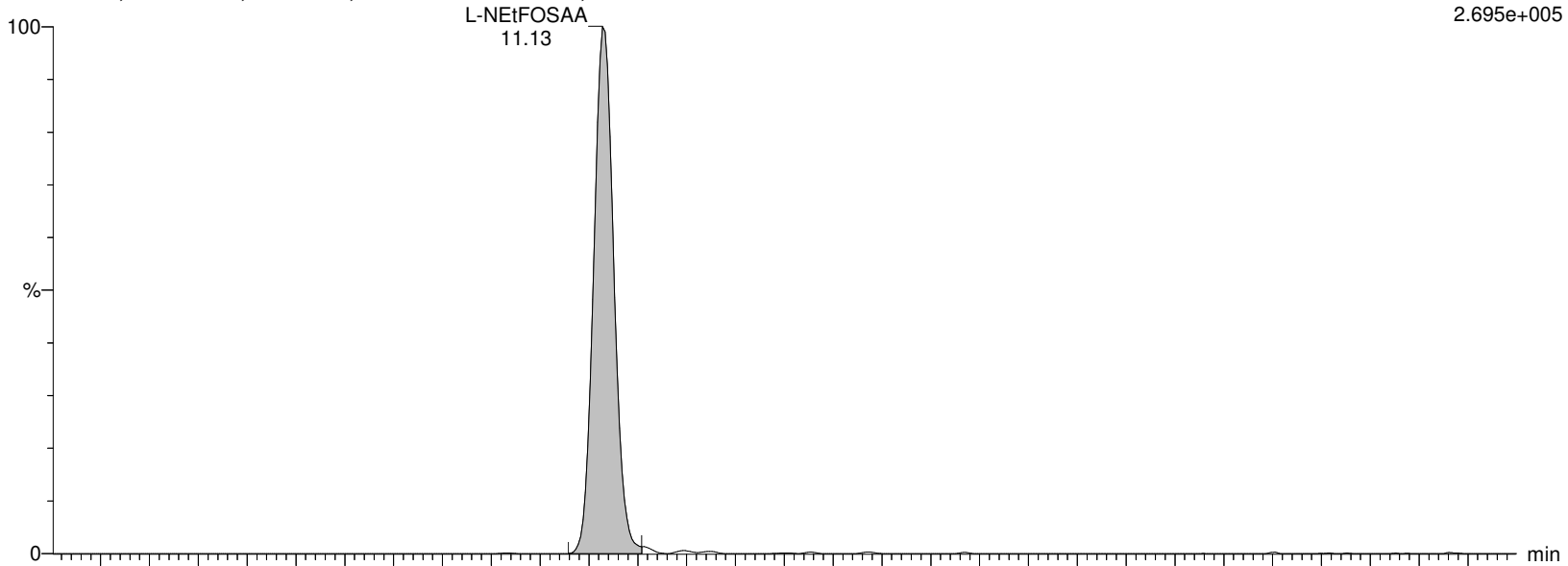
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.695e+005



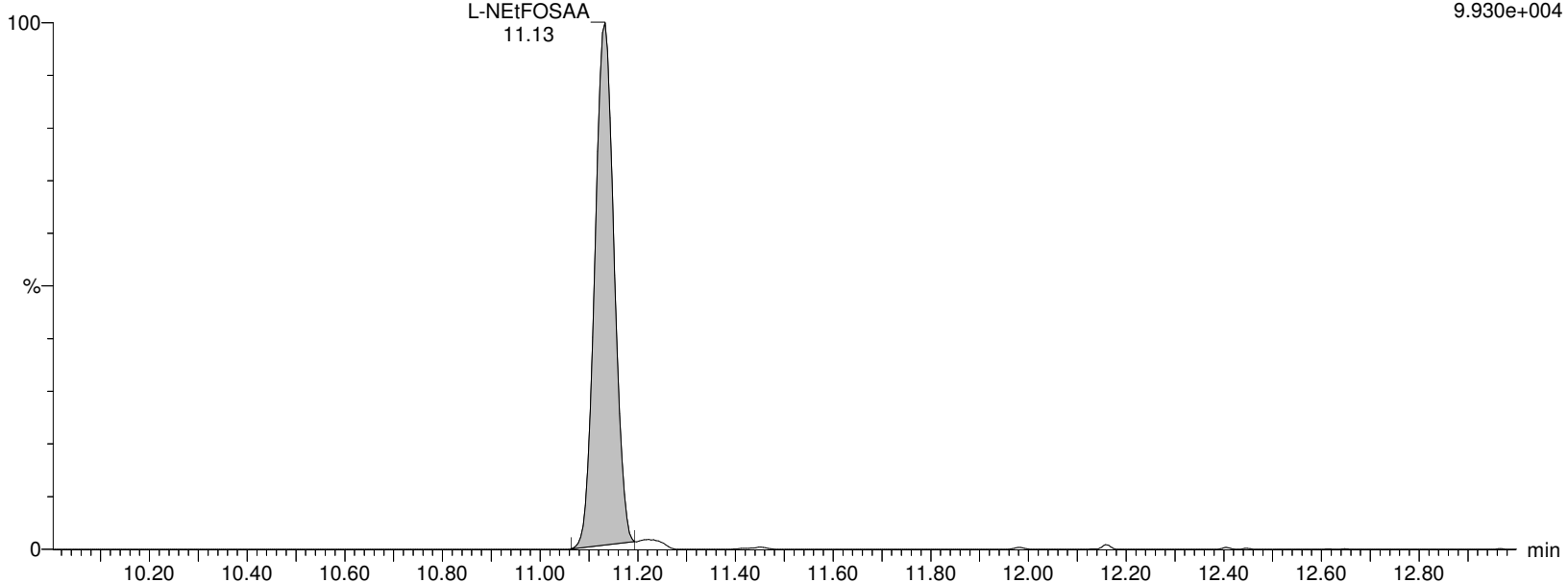
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.930e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD_oA

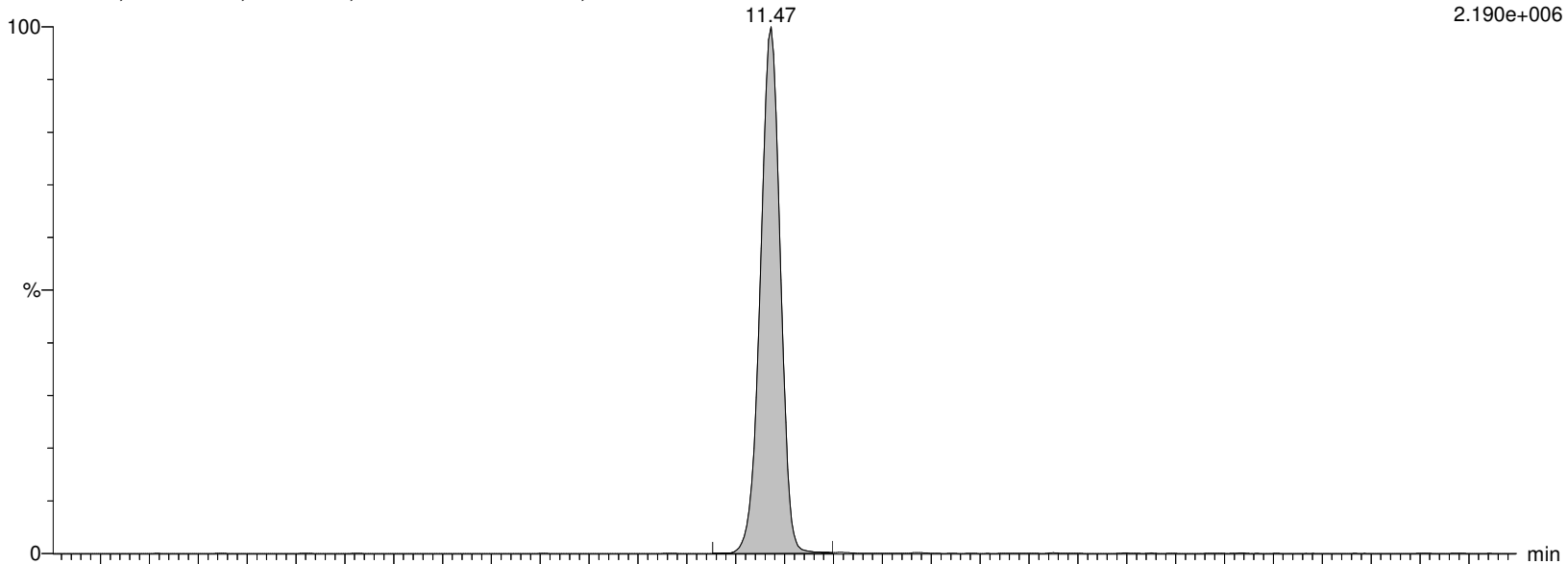
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F51:MRM of 2 channels, ES-

612.989 > 568.967

2.190e+006



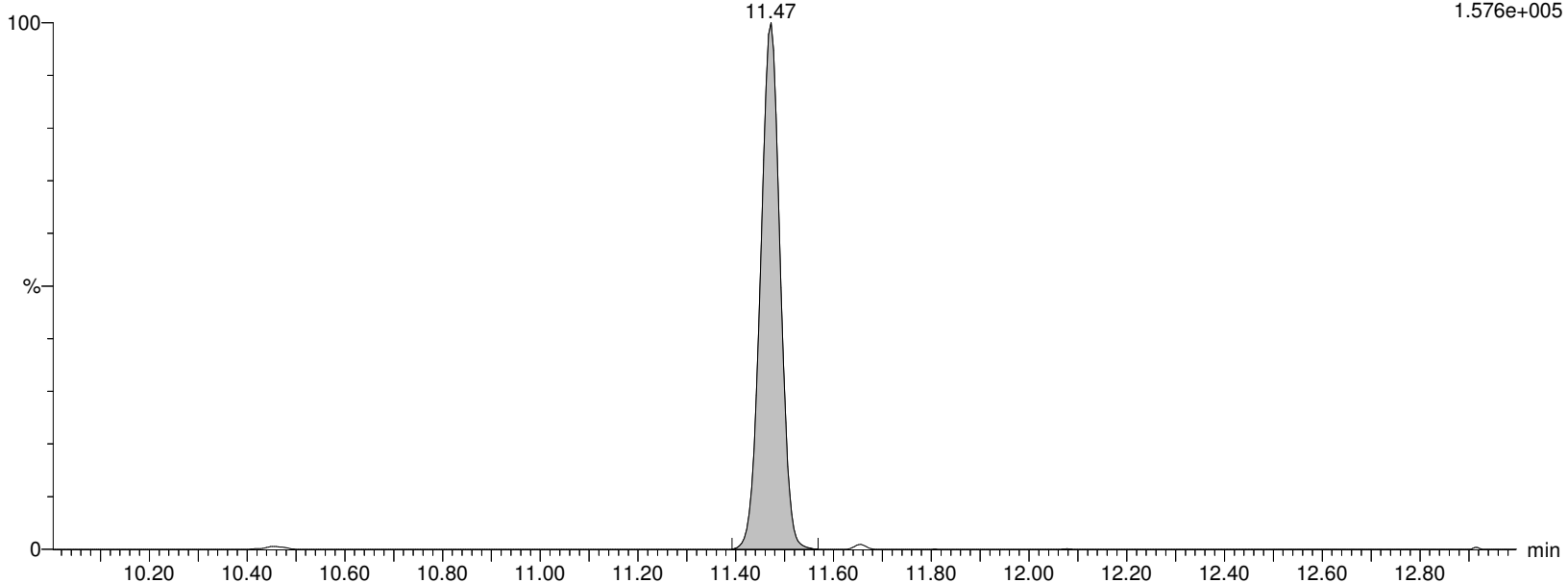
I18695 Smooth(Mn,2x2)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F51:MRM of 2 channels, ES-

612.989 > 219.08

1.576e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

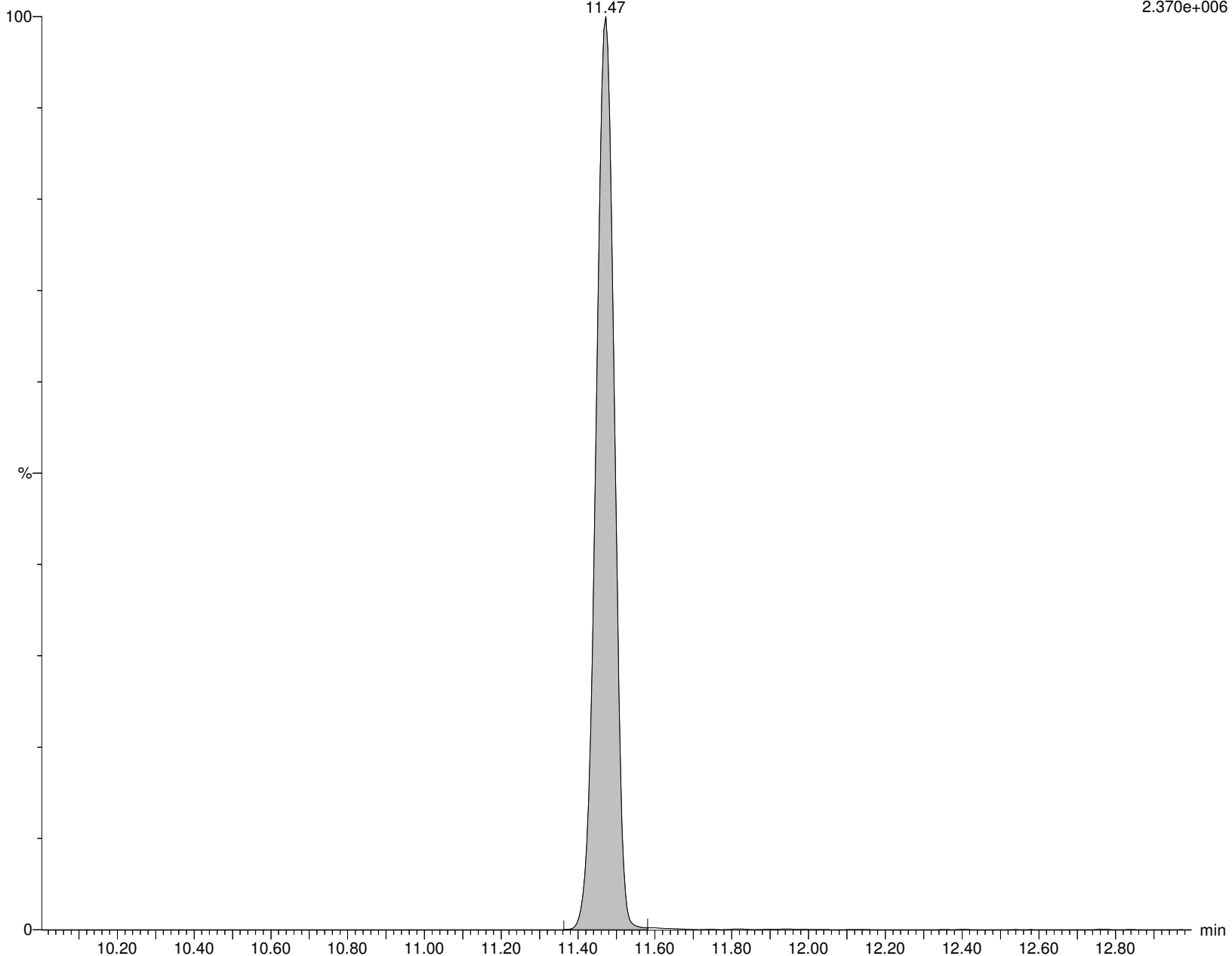
MPFDOA

11.47

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.370e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

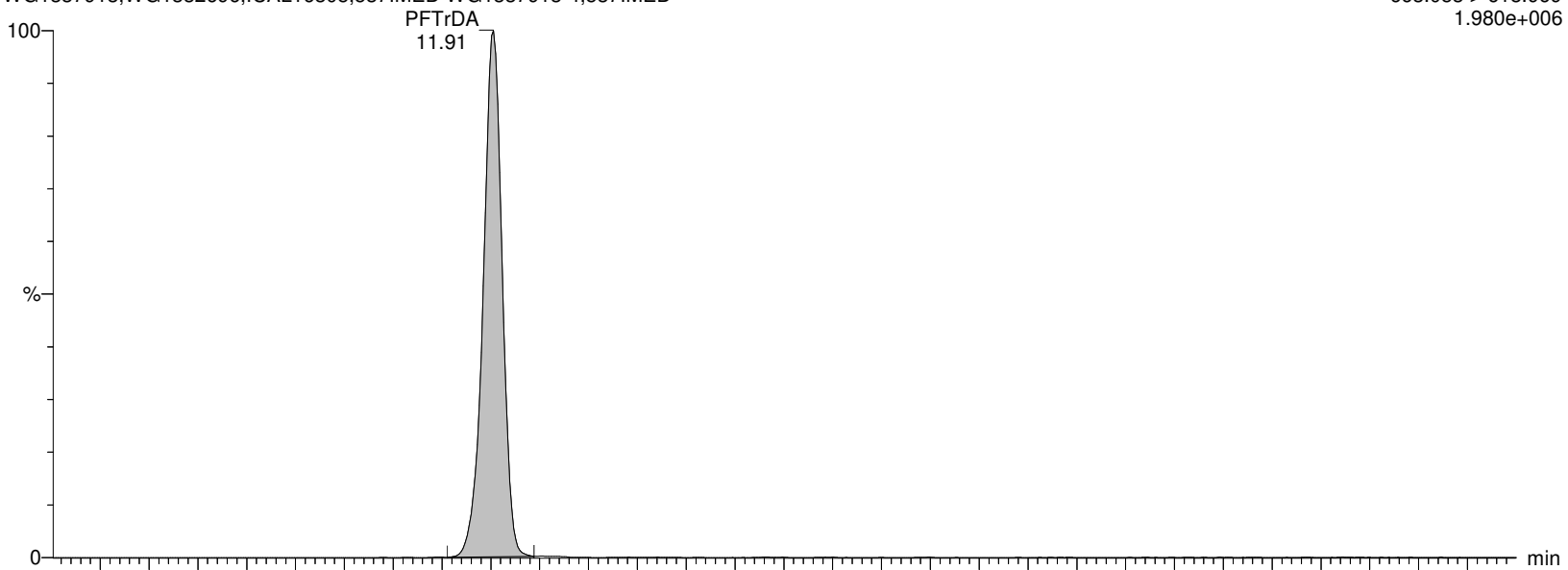
I18695 Smooth(Mn,2x2)

F59:MRM of 2 channels, ES-

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

663.053 > 618.969

1.980e+006



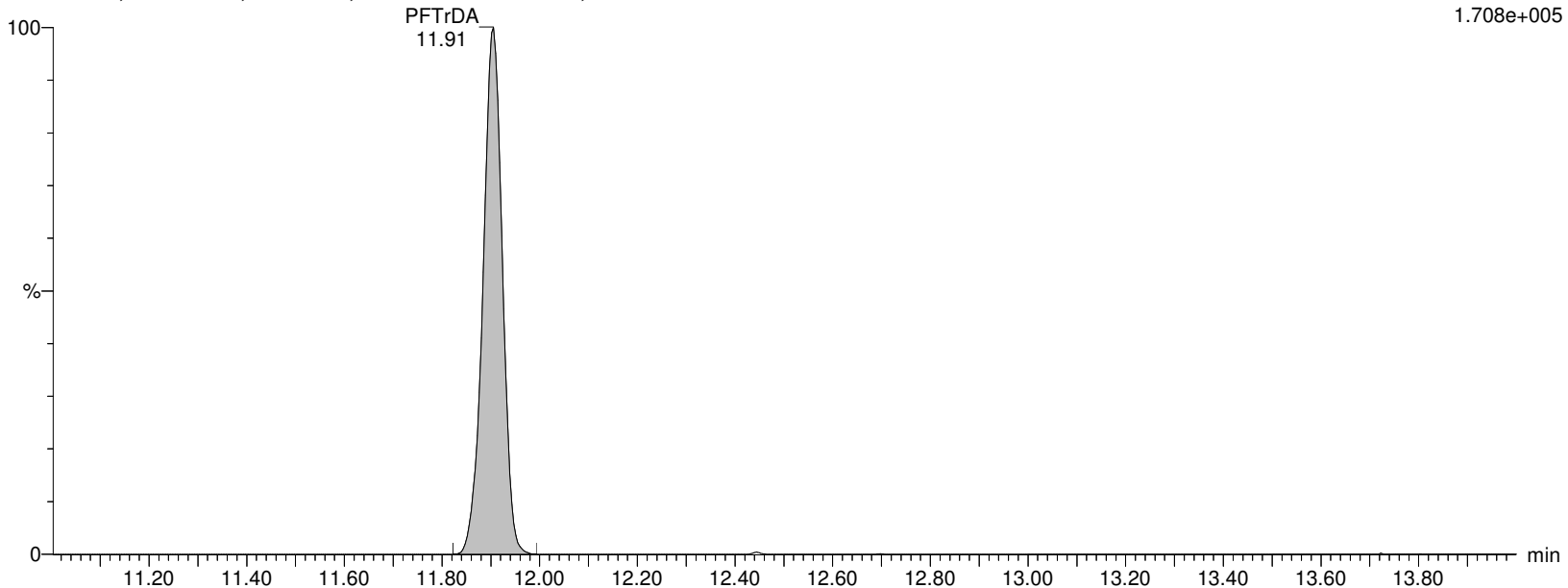
I18695 Smooth(Mn,2x2)

F59:MRM of 2 channels, ES-

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

663.053 > 319.02

1.708e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

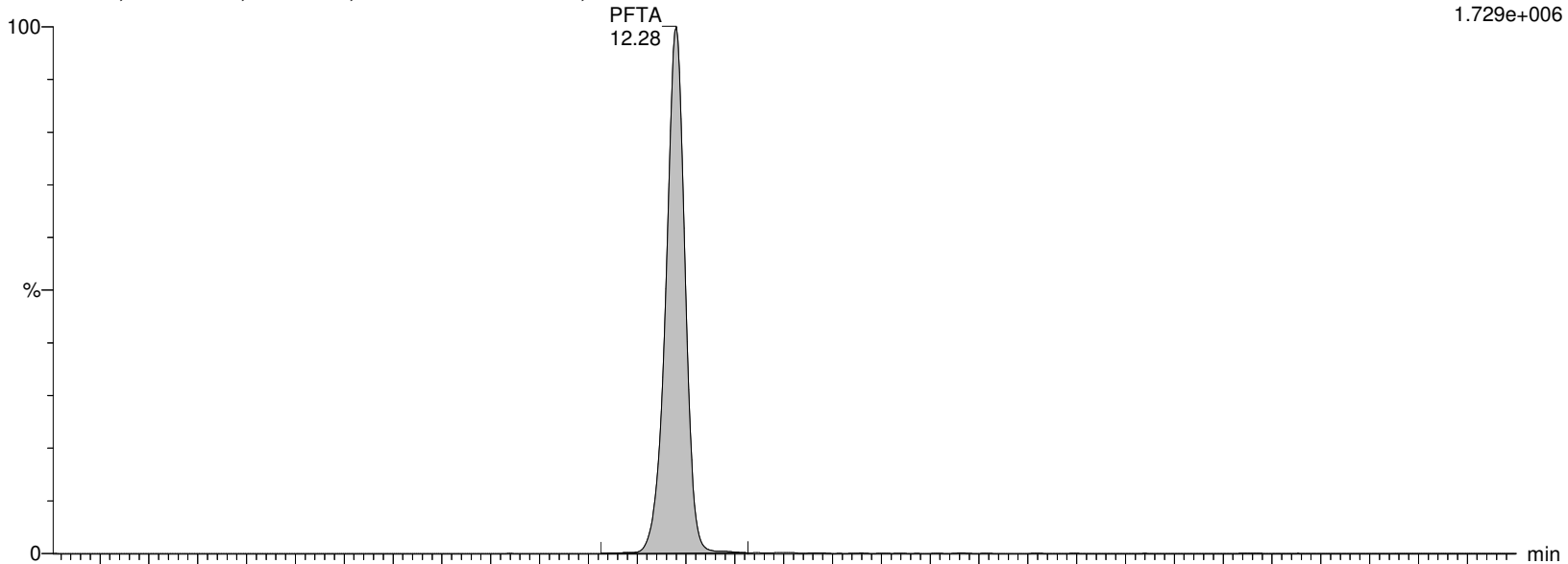
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F61:MRM of 2 channels, ES-

713.053 > 668.976

1.729e+006



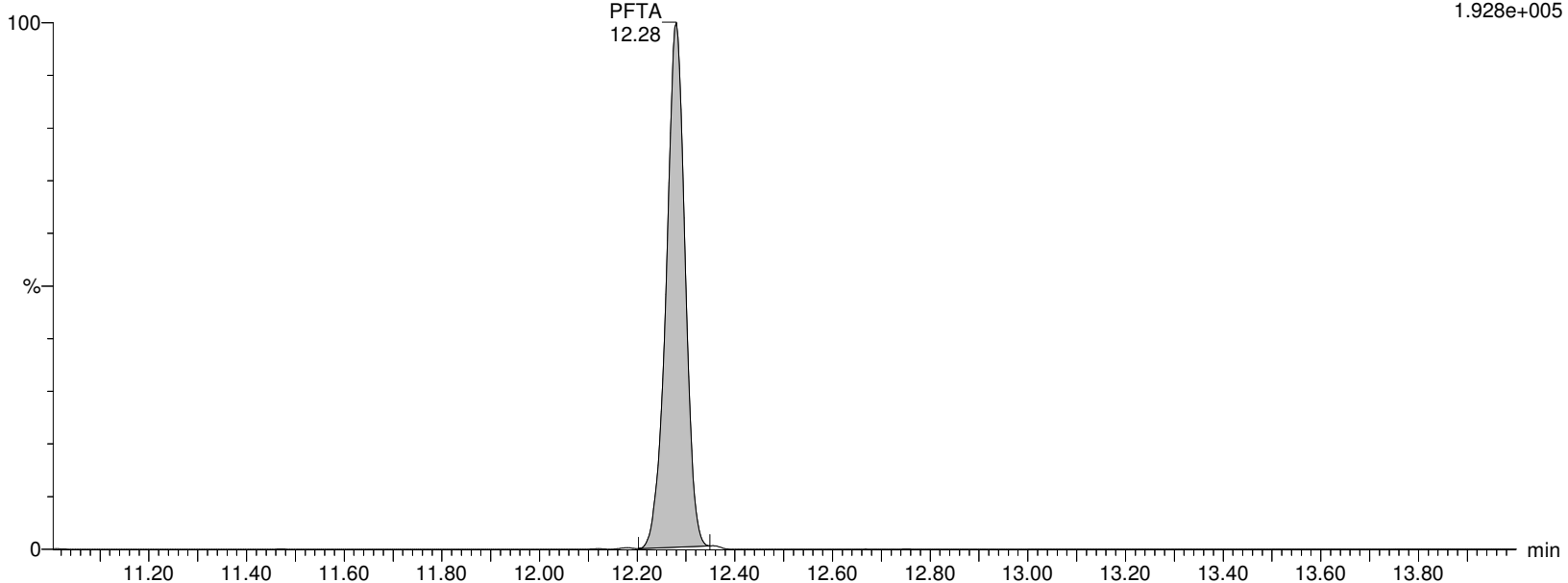
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.928e+005



Alpha Analytical Inc.

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Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

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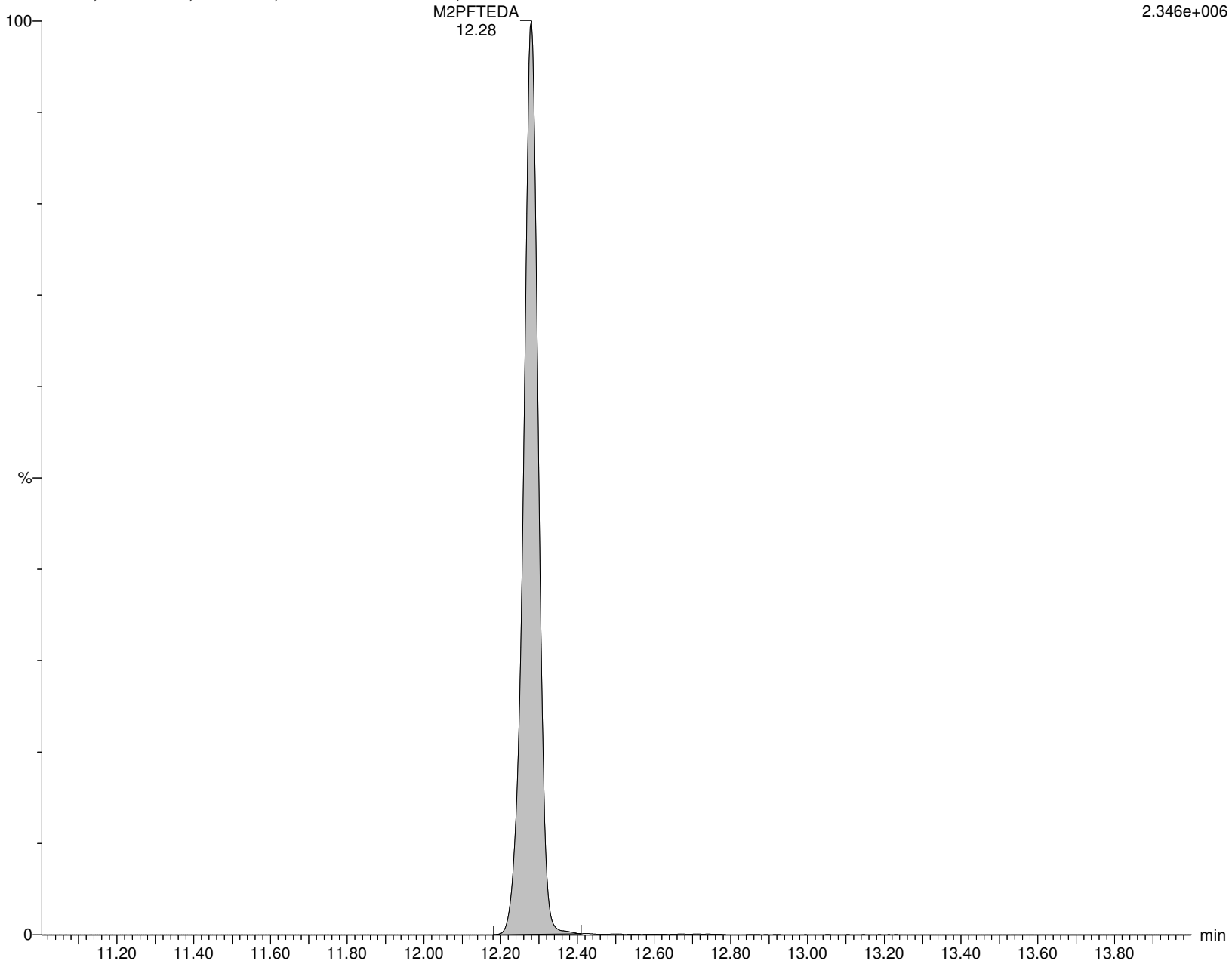
I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F62:MRM of 1 channel, ES-

715.053 > 669.945

2.346e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

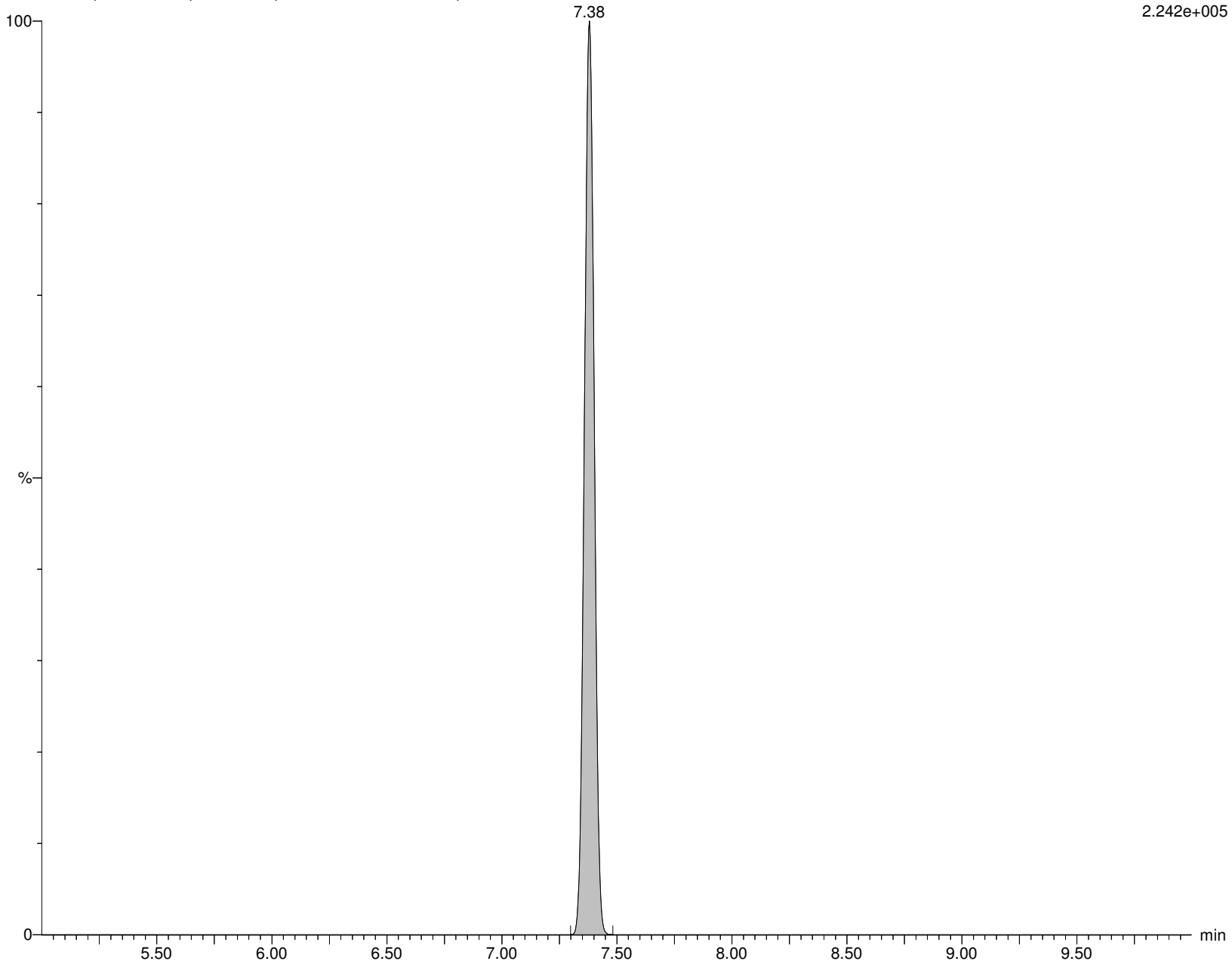
I18695 Smooth(Mn,2x4)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED M3HFPO-DA

F13:MRM of 1 channel, ES-

331.989 > 286.995

2.242e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

I18695 Smooth(Mn,2x3)

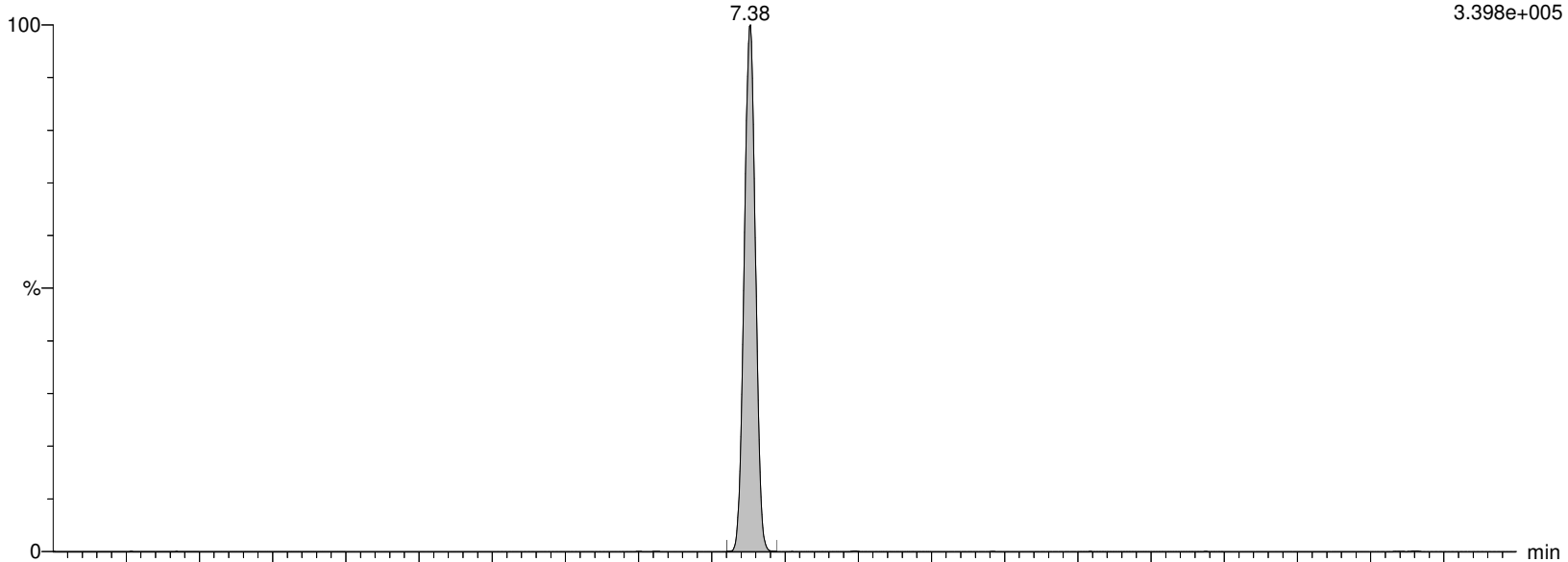
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

HFPO-DA

F6:MRM of 2 channels, ES-

284.819 > 169.094

3.398e+005



I18695 Smooth(Mn,2x3)

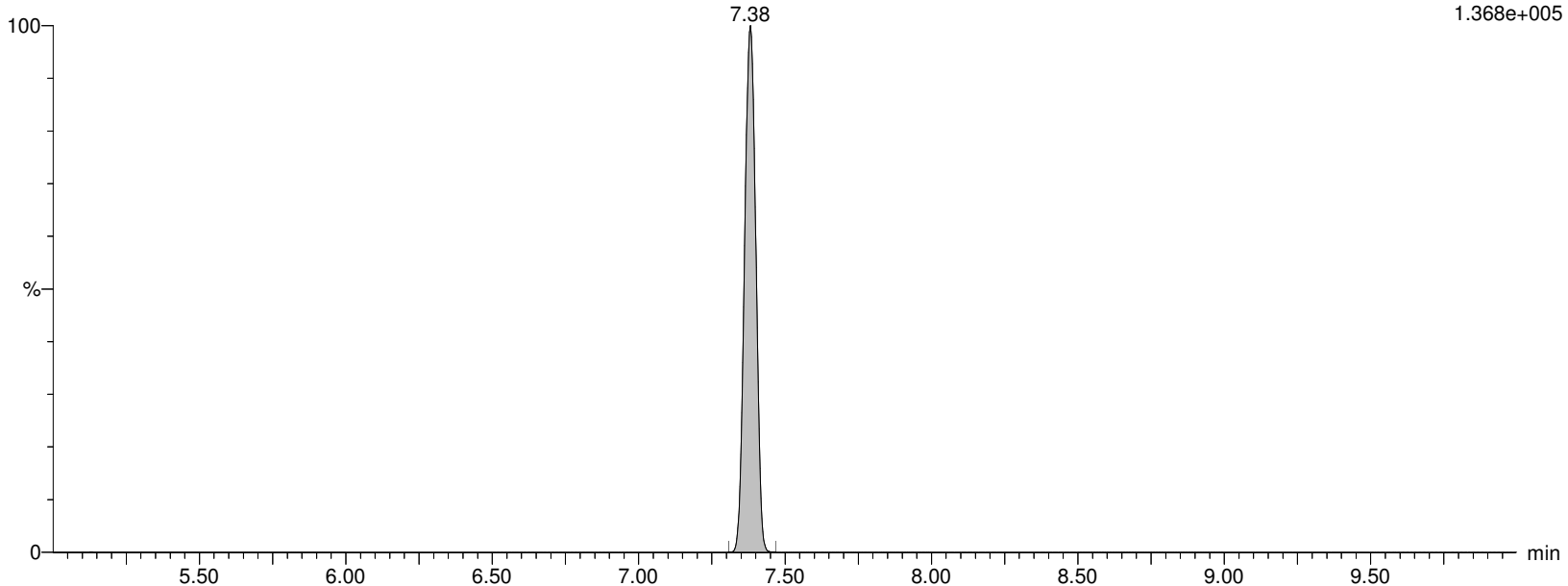
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

HFPO-DA

F6:MRM of 2 channels, ES-

328.989 > 284.982

1.368e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****ADONA**

I18695 Smooth(Mn,2x3)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

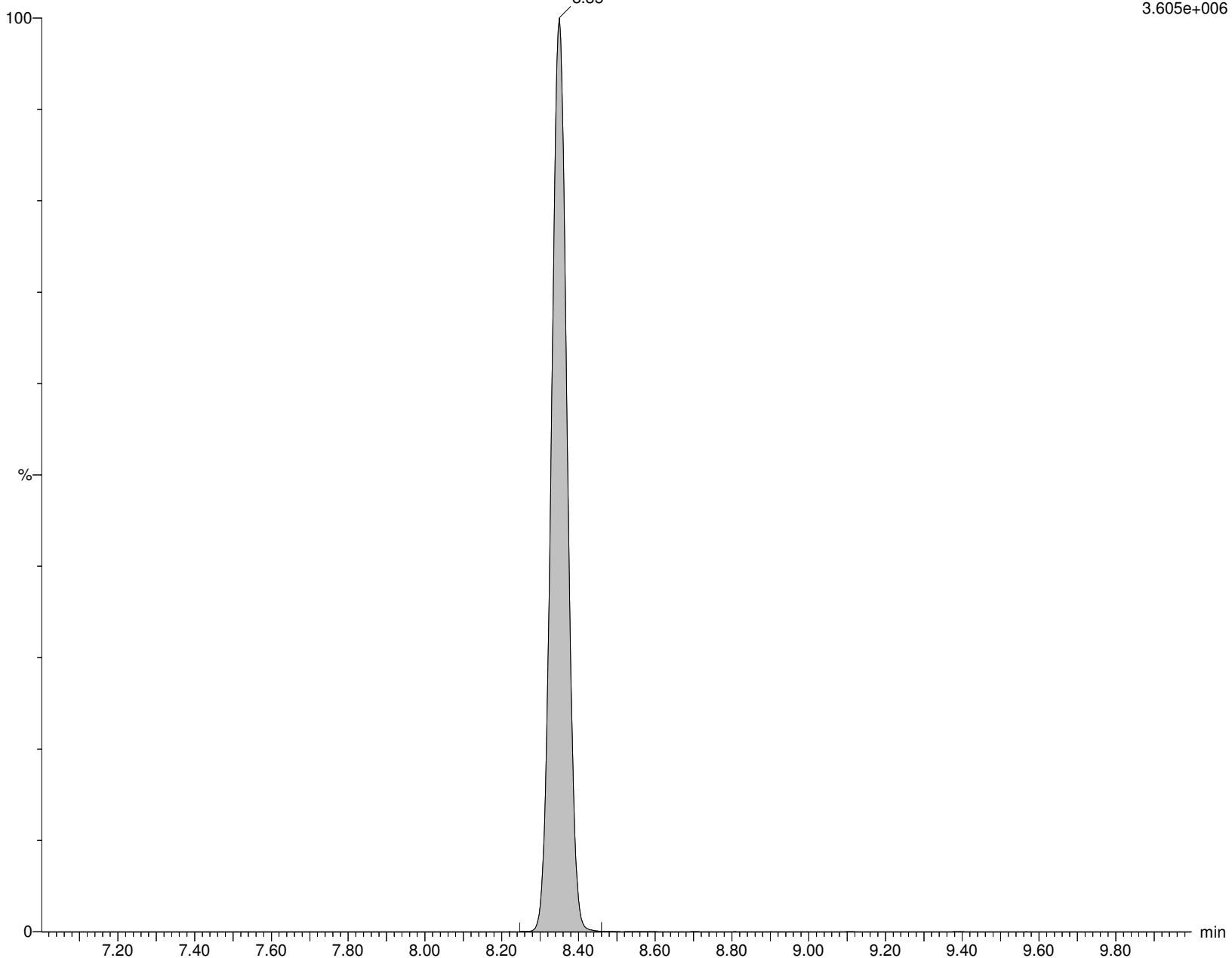
ADONA

8.35

F17:MRM of 2 channels, ES-

376.926 > 251.005

3.605e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913,WG1332696,ICAL16305,537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

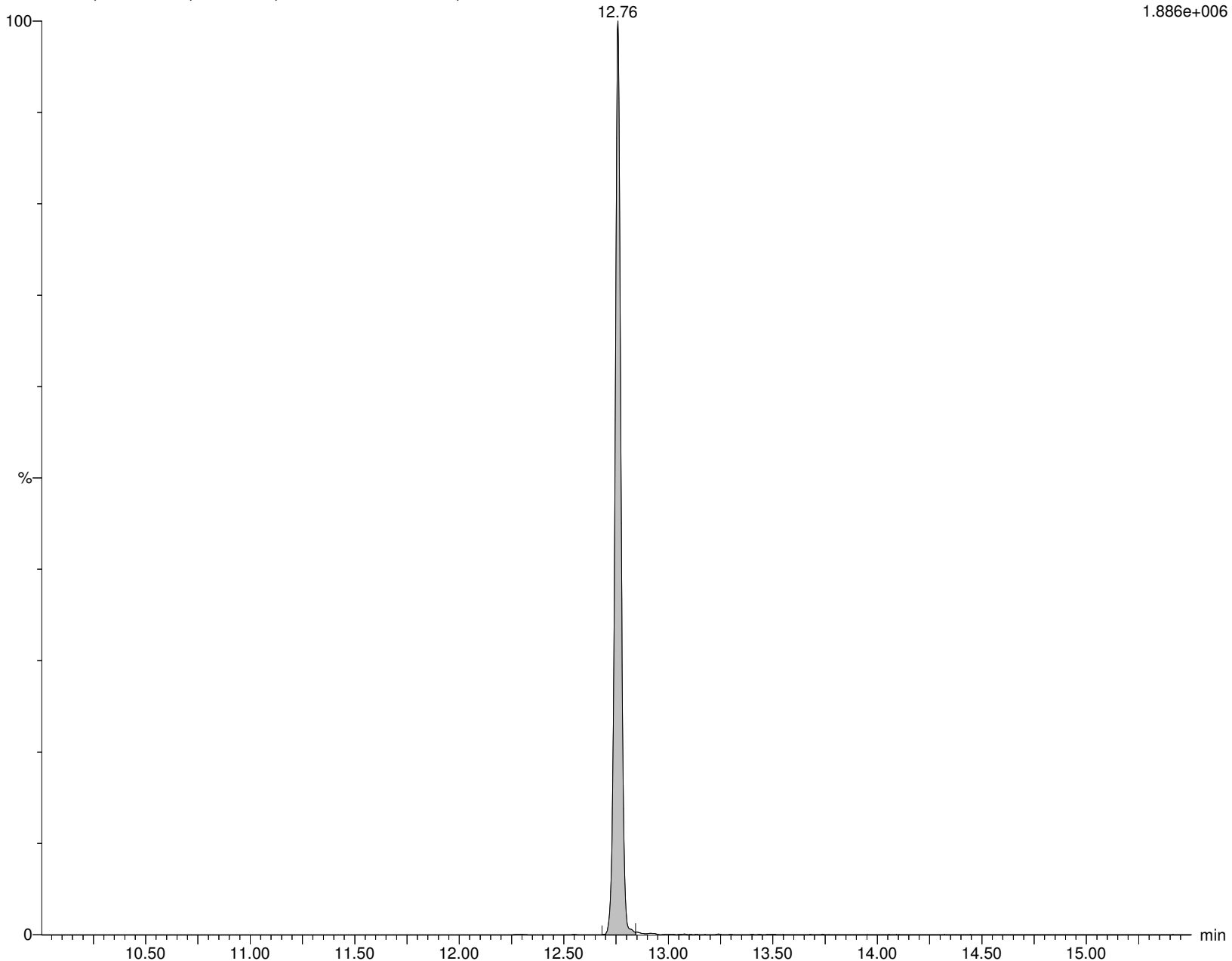
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.886e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913,WG1332696,ICAL16305,537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFODA

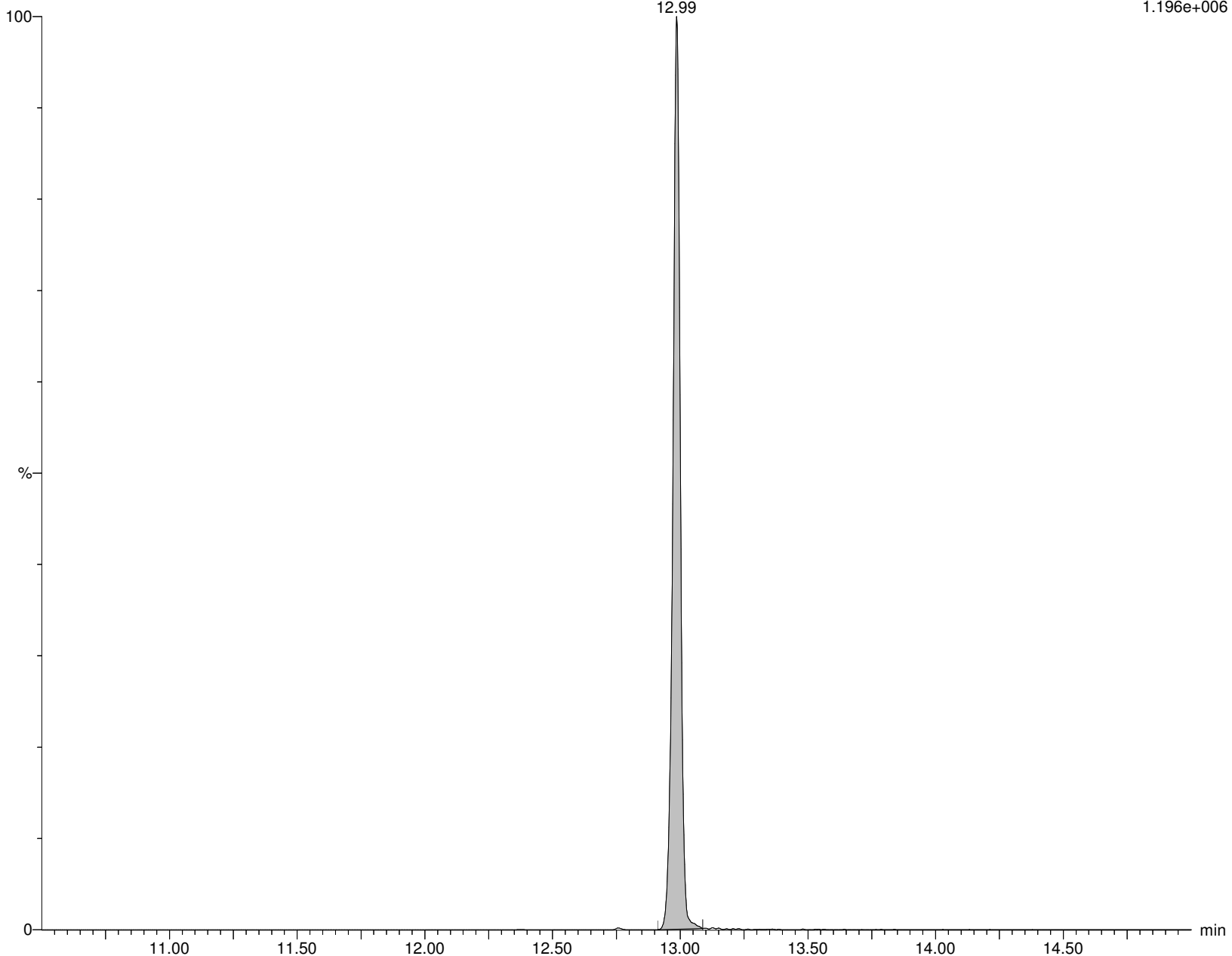
I18695 Smooth(Mn,2x3)

WG1337913,WG1332696,ICAL16305,537IMED WG1337913-4,537IMED

F65:MRM of 1 channel,ES-

912.989 > 869.032

1.196e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

I18695 Smooth(Mn,2x3)

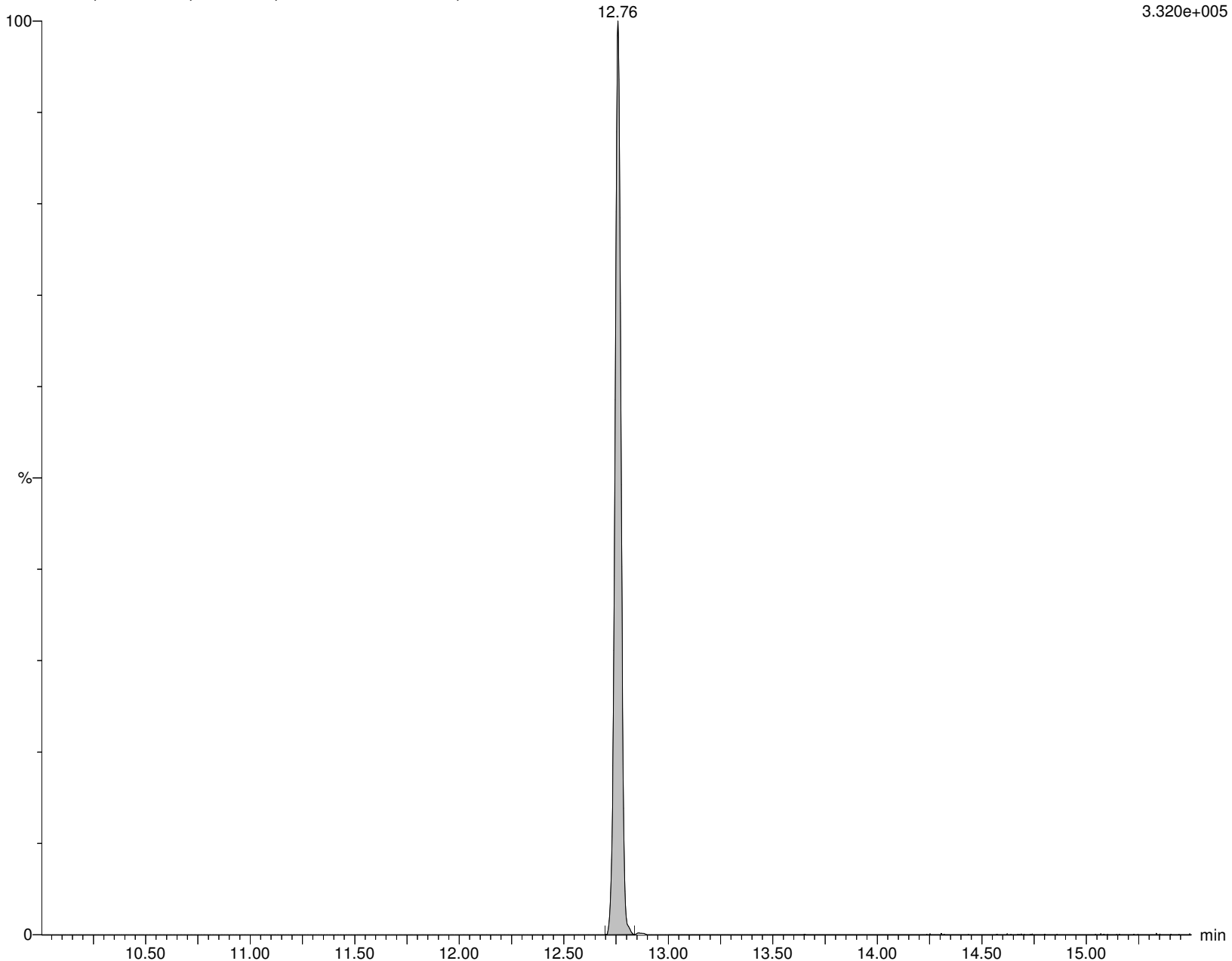
WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

M2PFHxDA

F64:MRM of 1 channel, ES-

815.372 > 770.158

3.320e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

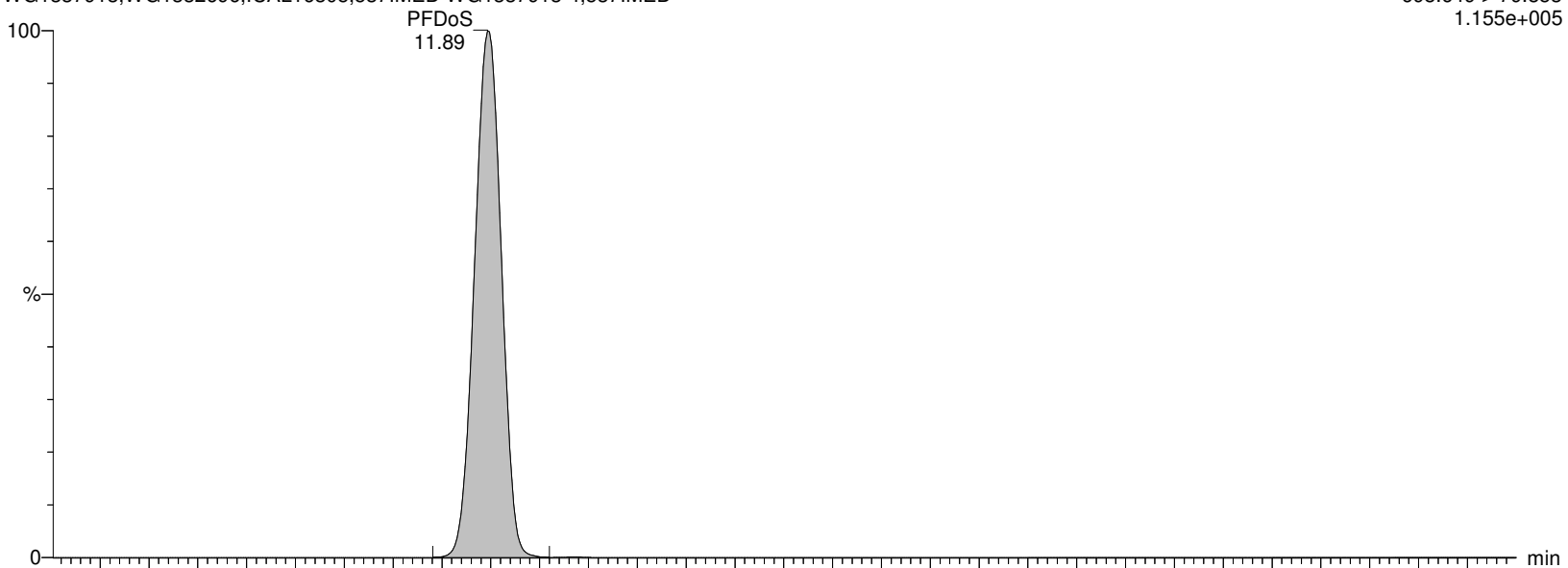
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F60:MRM of 2 channels, ES-

698.649 > 79.853

1.155e+005



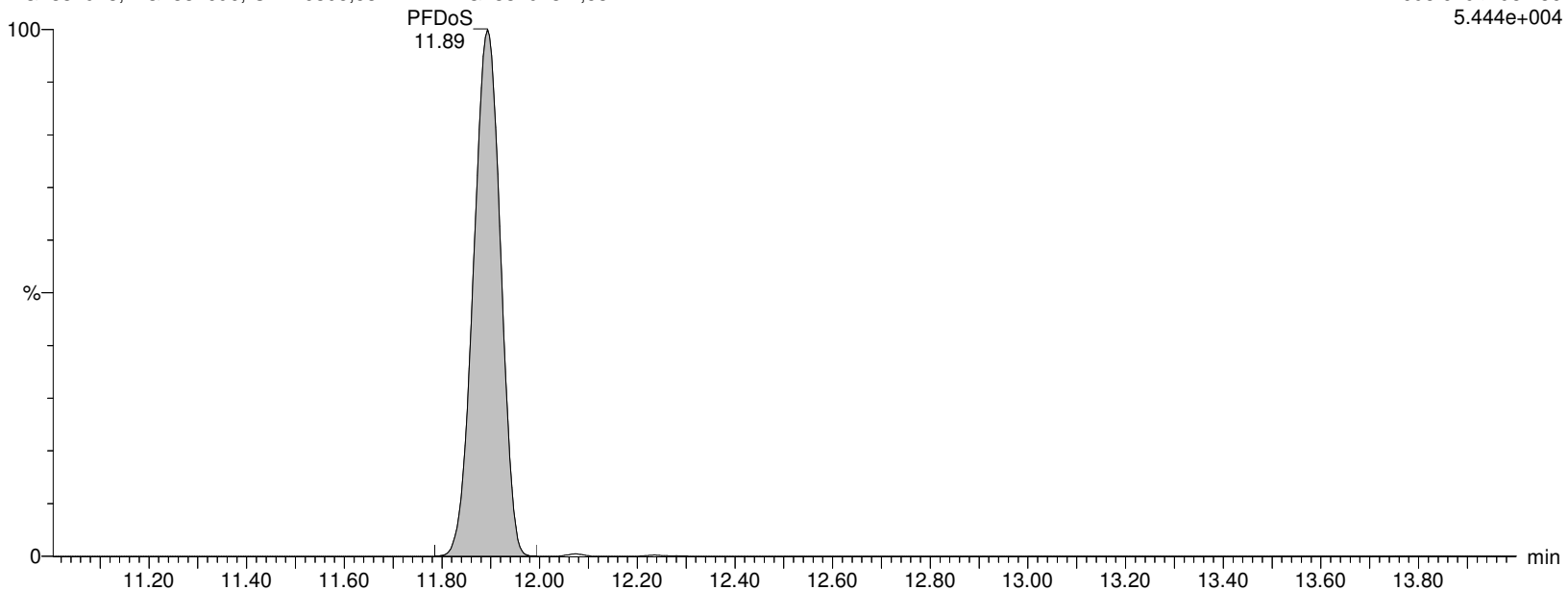
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F60:MRM of 2 channels, ES-

698.649 > 98.786

5.444e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

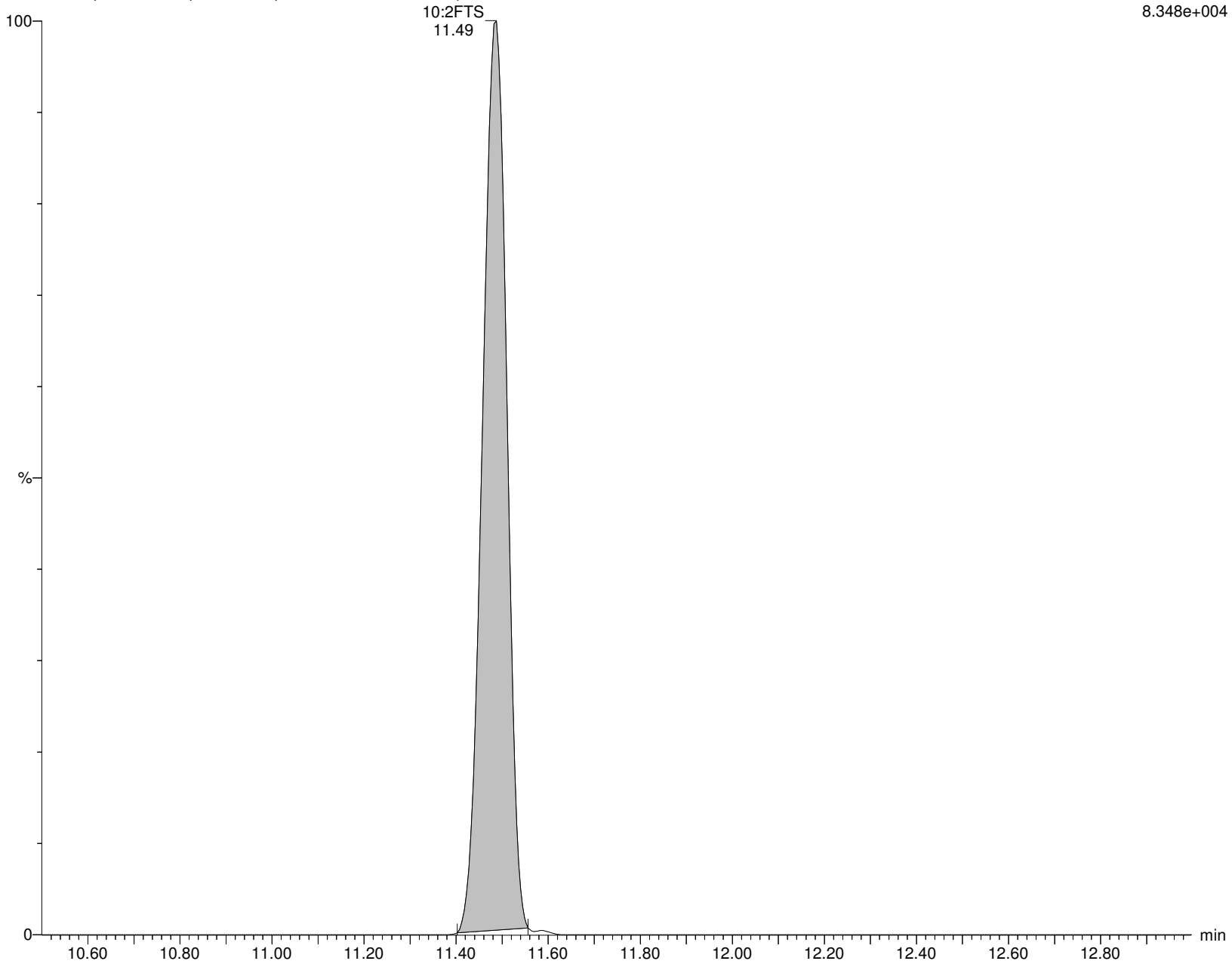
I18695 Smooth(Mn,2x4)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F55:MRM of 1 channel, ES-

626.862 > 606.896

8.348e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695

ID: WG1337913-4,537IMED

Date: 07-Feb-2020

Time: 04:49:50

Description: WG1337913, WG1332696, ICAL16305, 537IMED

User: LCMS02:JW

Vial: 1:A,3

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

9CL-PF3ONS

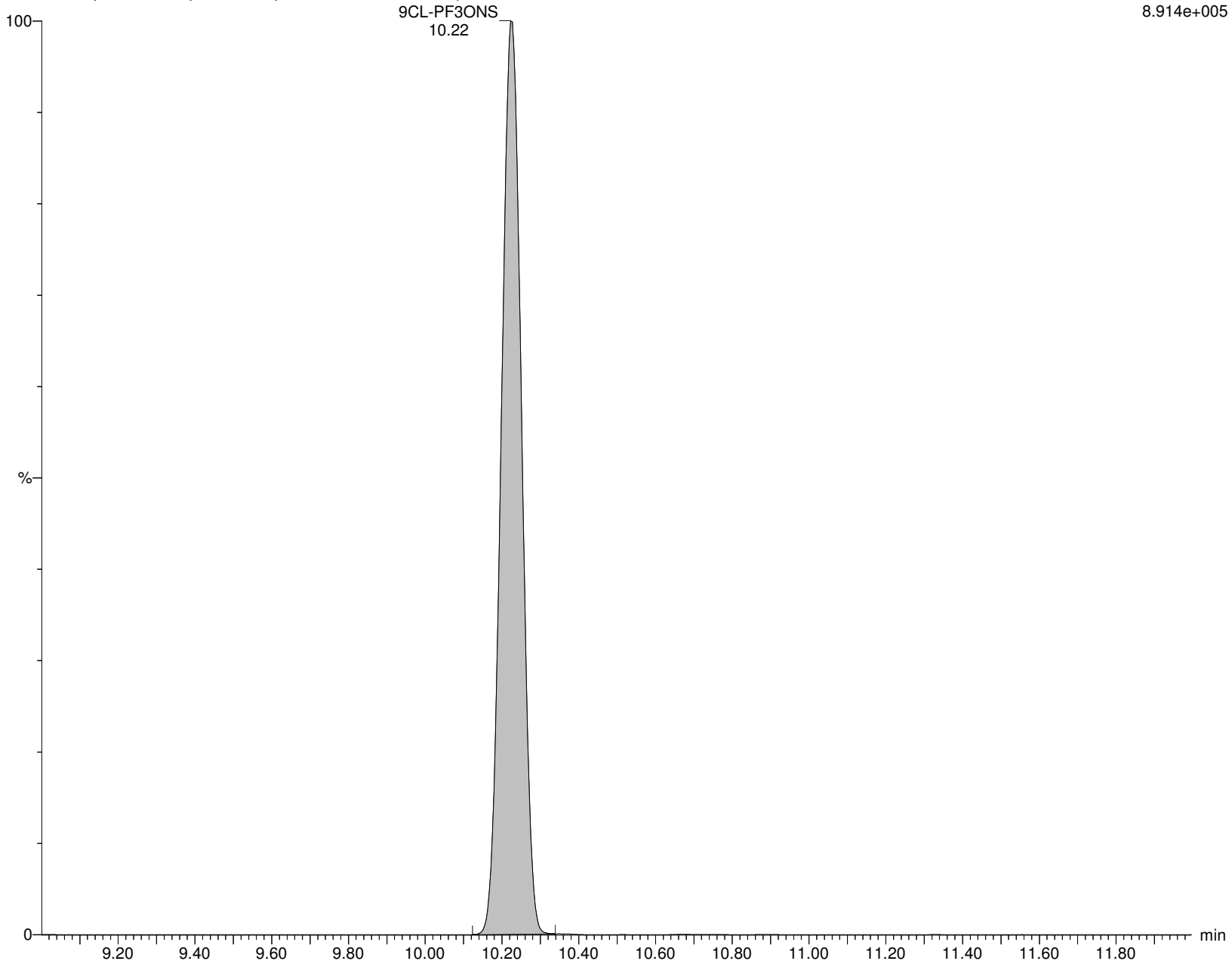
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F41:MRM of 1 channel, ES-

530.862 > 350.843

8.914e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 15:36:12 Eastern Standard Time

Printed: Friday, February 07, 2020 15:37:00 Eastern Standard Time

Name: I18695**ID: WG1337913-4,537IMED****Date: 07-Feb-2020****Time: 04:49:50****Description: WG1337913, WG1332696, ICAL16305, 537IMED****User: LCMS02:JW****Vial: 1:A,3****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****11CL-PFOUdS**

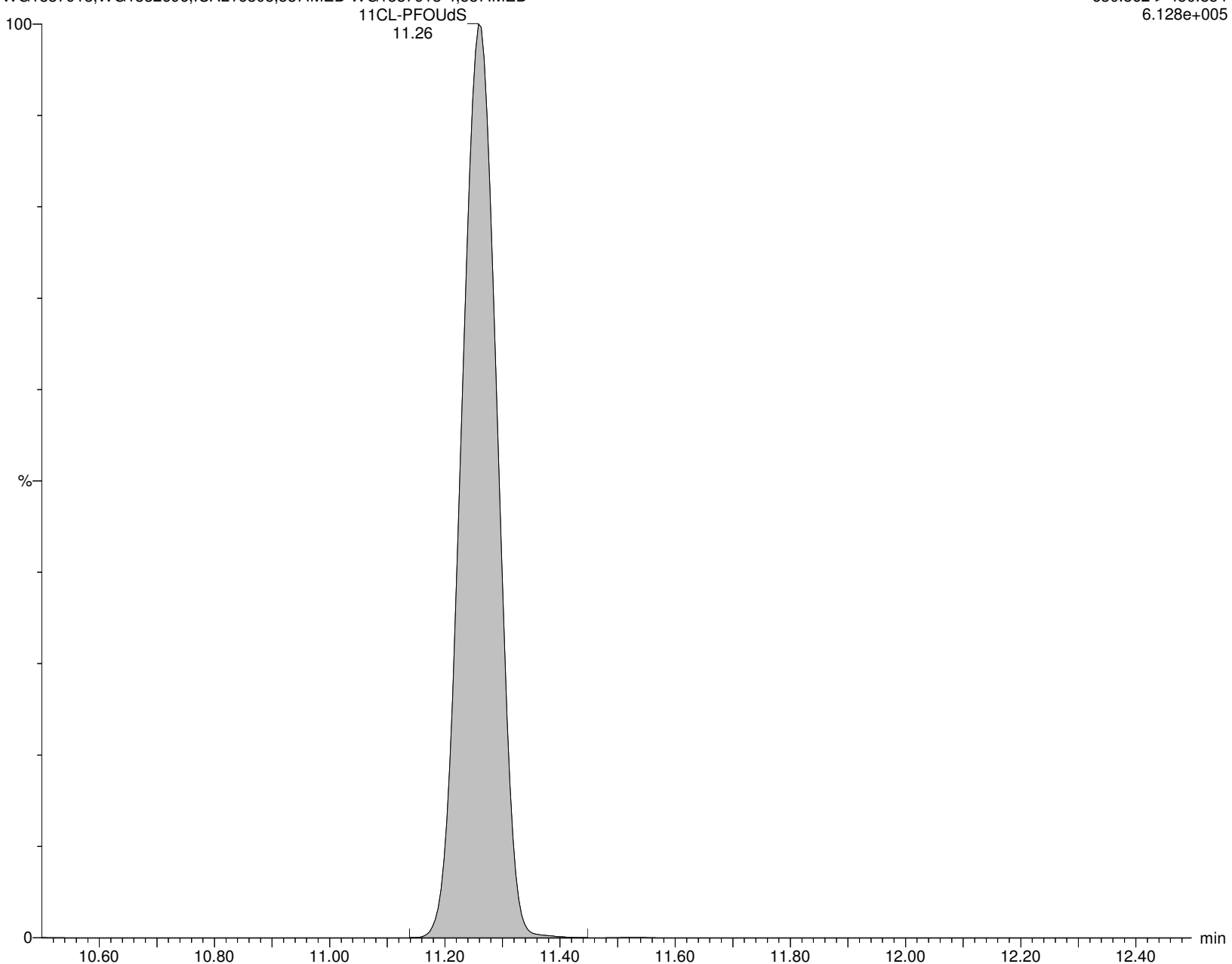
I18695 Smooth(Mn,2x5)

WG1337913, WG1332696, ICAL16305, 537IMED WG1337913-4, 537IMED

F57:MRM of 1 channel, ES-

630.862 > 450.854

6.128e+005



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld
Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time
Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22
Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1337913-5,537ILOW
Name: I18710
Date: 07-Feb-2020
Time: 08:58:11
Description: WG1337913, WG1329799, ICAL16305, 537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	2376		0.503		na	100.5
2	M3PFBA	INT STD	2.19	215.926 > 172.122	49010		10.577		na	105.8
3	MPFBA	INT STD	2.19	216.926 > 172.137	56614		10.615		na	106.1
4	PFPeA	2706-90-3	5.08	262.926 > 219.002	4656		0.523		na	104.6
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	92214		12.190		na	121.9
6	PFBS	375-73-5	5.72	298.926 > 79.923	713	m4	0.411	1.95	NO	92.9
7	M3PFBS	INT STD	5.72	301.989 > 80.254	11801		9.891		na	98.9
8	4:2FTS	757124-72-4	6.87	326.926 > 306.957	414		0.504	2.31	NO	107.7
9	M2-4:2FTS	INT STD	6.87	329.117 > 309.079	7414		9.571		na	95.7
10	PFHxA	307-24-4	6.95	312.989 > 269.028	5815		0.576	18.80	NO	115.1
11	M5PFHxA	INT STD	6.95	317.989 > 273.045	109762		10.128		na	101.3
12	PFPeS	2706-91-4	7.26	348.926 > 80.251	529		0.419	1.71	NO	89.1
13	PFHpA	375-85-9	8.20	362.926 > 319.014	6991		0.496	6.15	NO	99.3
14	M4PFHpA	INT STD	8.20	366.926 > 321.979	156140		10.816		na	108.2
15	br-PFHxS	355-46-4	8.12	398.926 > 80.295	34	M5	0.038		YES	44.9
16	L-PFHxS	355-46-4	8.36	398.926 > 80.295	349		0.369	1.83	NO	99.8
17	PFHxS	355-46-4		398.926 > 80.295	383		0.407		na	
18	M3PFHxS	INT STD	8.35	401.926 > 80.317	7555		10.971		na	109.7
19	br-PFOA	335-67-1		412.989 > 368.9			ND	0.00	NO	
20	L-PFOA	335-67-1	9.10	412.989 > 368.9	6759		0.486	12.81	NO	97.2
21	PFOA	335-67-1		412.989 > 368.9	6759		0.486		na	
22	M8PFOA	INT STD	9.10	420.989 > 375.979	151497		10.936		na	109.4
23	M2PFOA	INT STD	9.10	415.032 > 369.968	141579		13.393		na	133.9
24	6:2FTS	27619-97-2	9.07	426.989 > 406.921	252		0.382		YES	80.4
25	M2-6:2FTS	INT STD	9.06	428.989 > 408.917	8145		10.758		na	107.6
26	PFHpS	375-92-8	9.19	448.926 > 80.257	348		0.544	1.04	YES	114.4
27	PFNA	375-95-1	9.84	462.989 > 418.931	6529		0.520	5.57	NO	104.1
28	M9PFNA	INT STD	9.84	472.053 > 426.947	153170		11.237		na	112.4
29	br-PFOS	1763-23-1	9.71	498.989 > 80.294	67	m5	0.053	7.78	NO	53.2
30	L-PFOS	1763-23-1	9.89	498.989 > 80.294	297		0.311	1.64	YES	85.2
31	PFOS	1763-23-1		498.989 > 80.294	364		0.364		na	
32	M4PFOS	INT STD	9.89	503.032 > 80.306	8524		12.205		na	122.1
33	M8PFOS	INT STD	9.89	507.053 > 80.294	9718		11.111		na	111.1
34	PFDA	335-76-2	10.49	513.053 > 468.906	5940		0.495	7.07	NO	98.9
35	M2PFDA	INT STD	10.49	515.053 > 469.934	126051		14.277		na	142.8
36	M6PFDA	INT STD	10.49	519.053 > 473.931	139987		10.746		na	107.5
37	8:2FTS	39108-34-4	10.47	526.926 > 506.818	247		0.385		na	80.2
38	M2-8:2FTS	INT STD	10.48	529.053 > 508.945	5905		13.296		na	133.0
39	PFNS	68259-12-1	10.51	548.989 > 80.249	238		0.263	0.86	NO	54.9

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

ID: WG1337913-5,537ILOW

Name: I18710

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.096 > 418.987	16186		10.910		na	109.1
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.88	570.053 > 418.917	629		0.417	3.25	YES	83.4
43	NMeFOSAA	2355-31-9		570.053 > 418.917	629		0.417		na	
44	PFUnA	2058-94-8	11.04	562.989 > 518.903	6438		0.519	8.71	NO	103.8
45	M7-PFUDA	INT STD	11.04	570.053 > 524.923	129658		11.219		na	112.2
46	PFDS	335-77-3	11.05	598.926 > 80.314	371		0.575	1.66	YES	119.2
47	FOSA	754-91-6	10.93	497.989 > 78.245	1117		0.446		YES	89.3
48	M8FOSA	INT STD	10.93	506.053 > 78.286	23546		7.645		na	76.4
49	d5-NEtFOSAA	INT STD	11.18	589.117 > 418.929	13510		10.308		na	103.1
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.18	583.989 > 418.927	640		0.502	3.99	NO	100.3
52	NEtFOSAA	2991-50-6		583.989 > 418.927	640		0.502		na	
53	PFDoA	307-55-1	11.53	612.989 > 568.967	5668		0.504	21.76	NO	100.8
54	MPFDOA	INT STD	11.52	614.989 > 569.92	132825		10.244		na	102.4
55	PFTTrDA	72629-94-8	11.94	663.053 > 618.969	5211		0.576	15.11	YES	115.1
56	PFTA	376-06-7	12.31	713.053 > 668.976	4104		0.495	9.08	NO	99.0
57	M2PFTEDA	INT STD	12.31	715.053 > 669.945	103510		10.051		na	100.5
58	M3HFPO-DA	INT STD	7.37	331.989 > 286.995	7248		119.412		na	59.7
59	HFPO-DA	13252-13-6	7.37	284.819 > 169.094	378		6.290	2.01	YES	62.9
60	ADONA	958445-44-8	8.37	376.926 > 251.005	8600		0.432		na	91.3
61	PFHxDA		12.76	813.053 > 769.005	3955		1.022		na	204.5
62	PFODA		12.98	912.989 > 869.032	1844		0.651		na	130.1
63	M2PFHxDA		12.76	815.372 > 770.158	10526		4.801		na	48.0
64	PFDoS		11.93	698.649 > 79.853	418		0.635	3.16	NO	127.0
65	10:2FTS			626.862 > 606.896			ND		na	
66	9CL-PF3ONS		10.25	530.862 > 350.843	2592		0.406		na	87.1
67	11CL-PFOUdS		11.32	630.862 > 450.854	2058		0.382		na	81.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

I18710 Smooth(Mn,8x8)

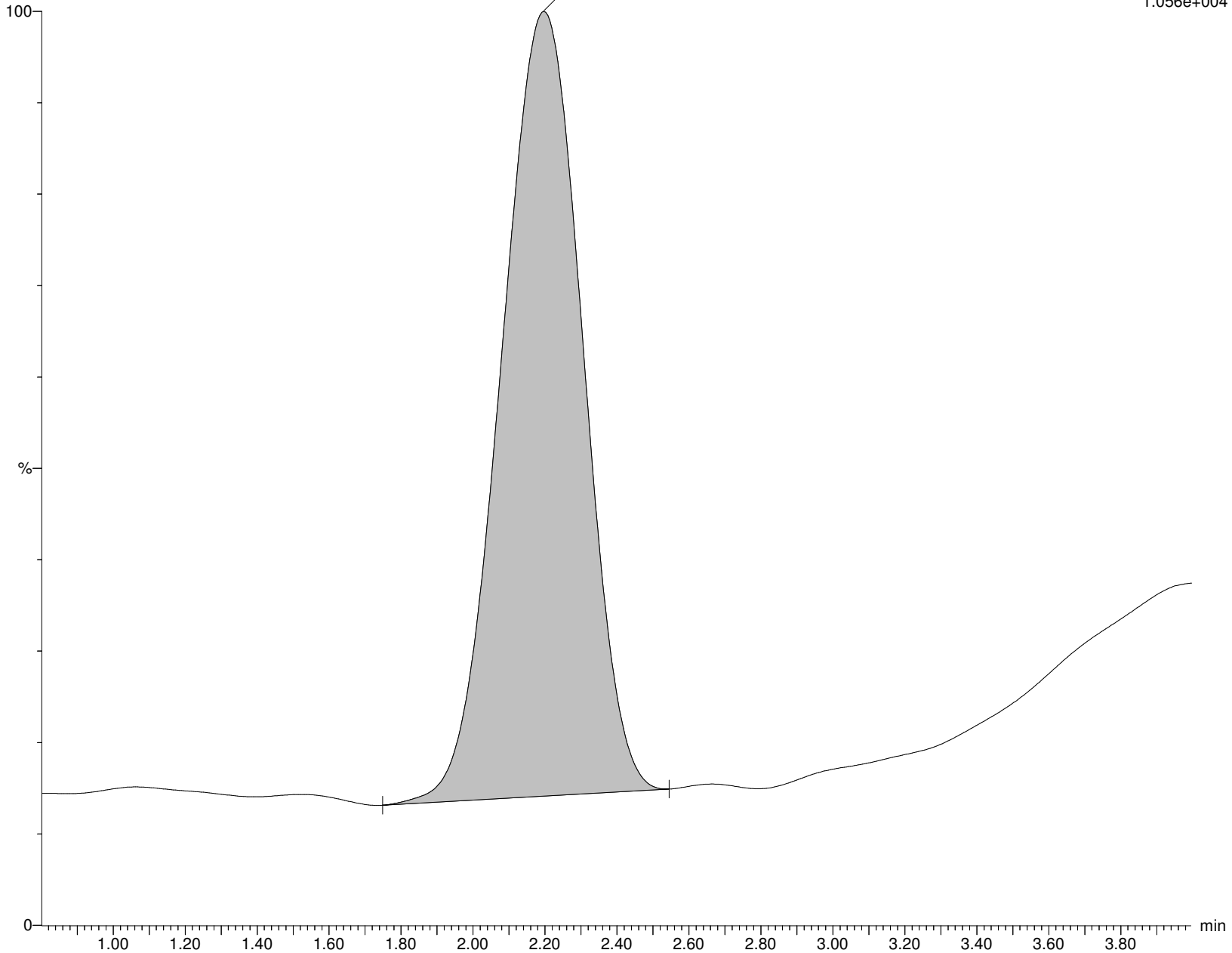
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

PFBA
2.20

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.056e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

I18710 Smooth(Mn,8x8)

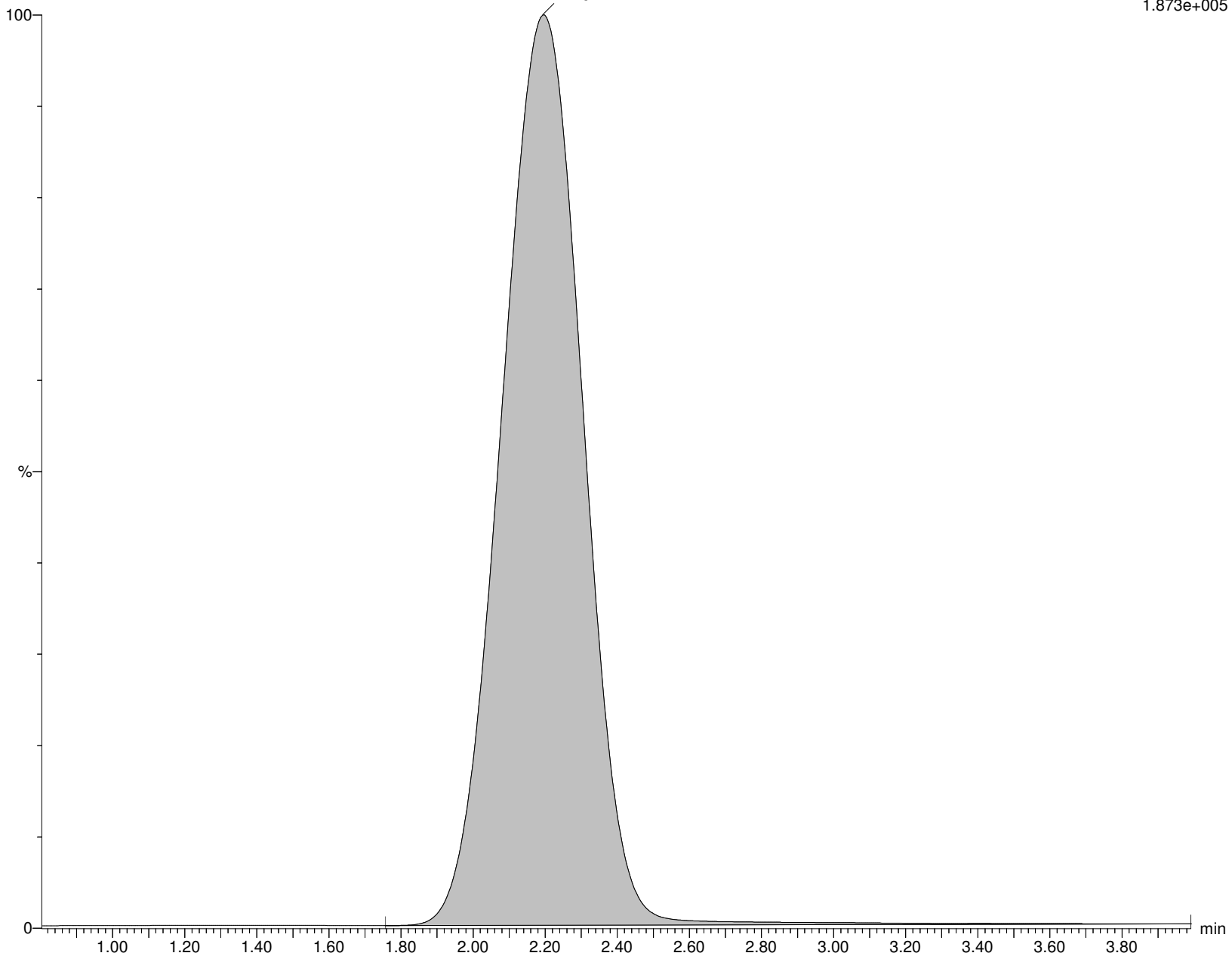
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

M3PFBA
2.19

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.873e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

I18710 Smooth(Mn,8x8)

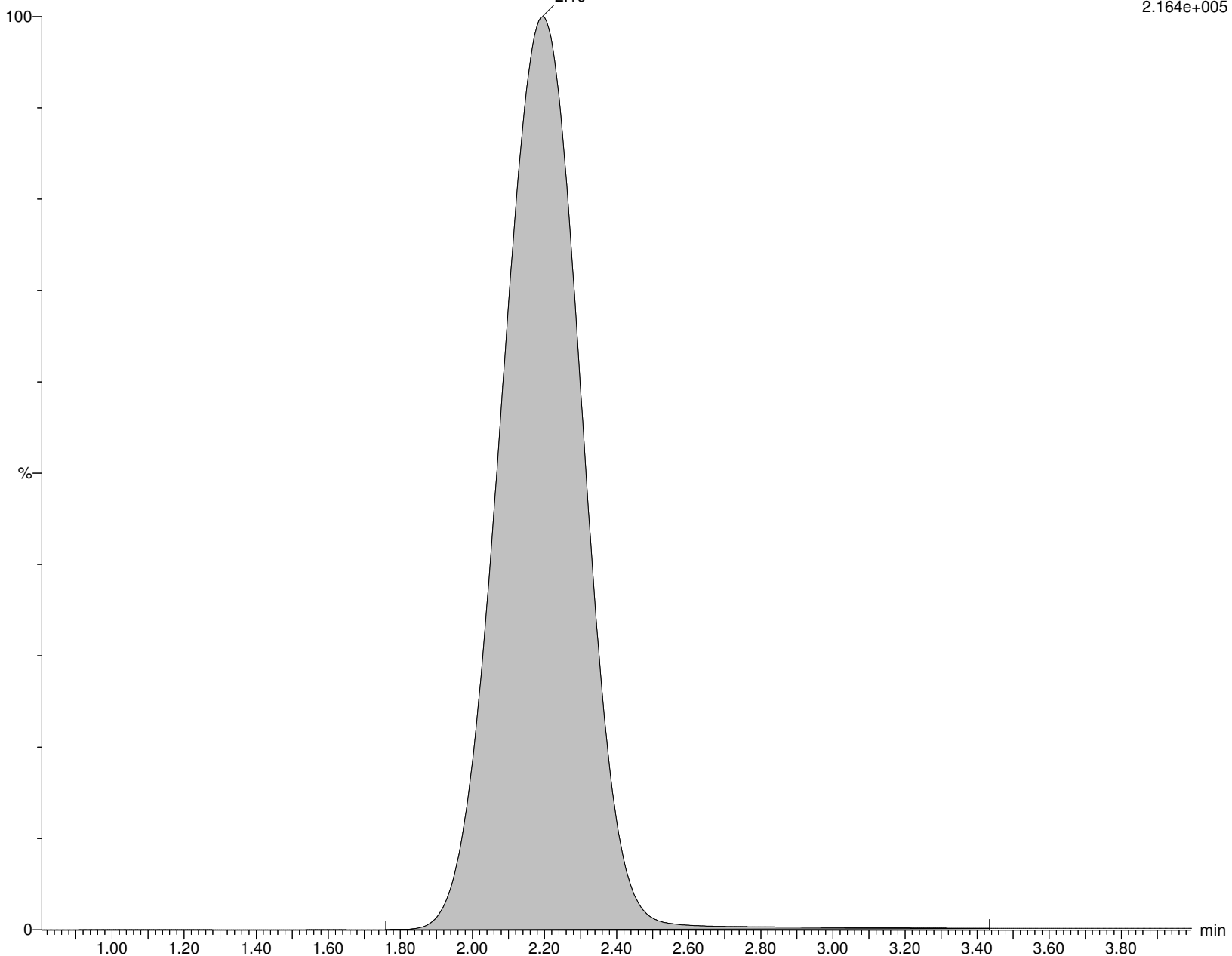
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

MPFBA
2.19

F3:MRM of 1 channel, ES-

216.926 > 172.137

2.164e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

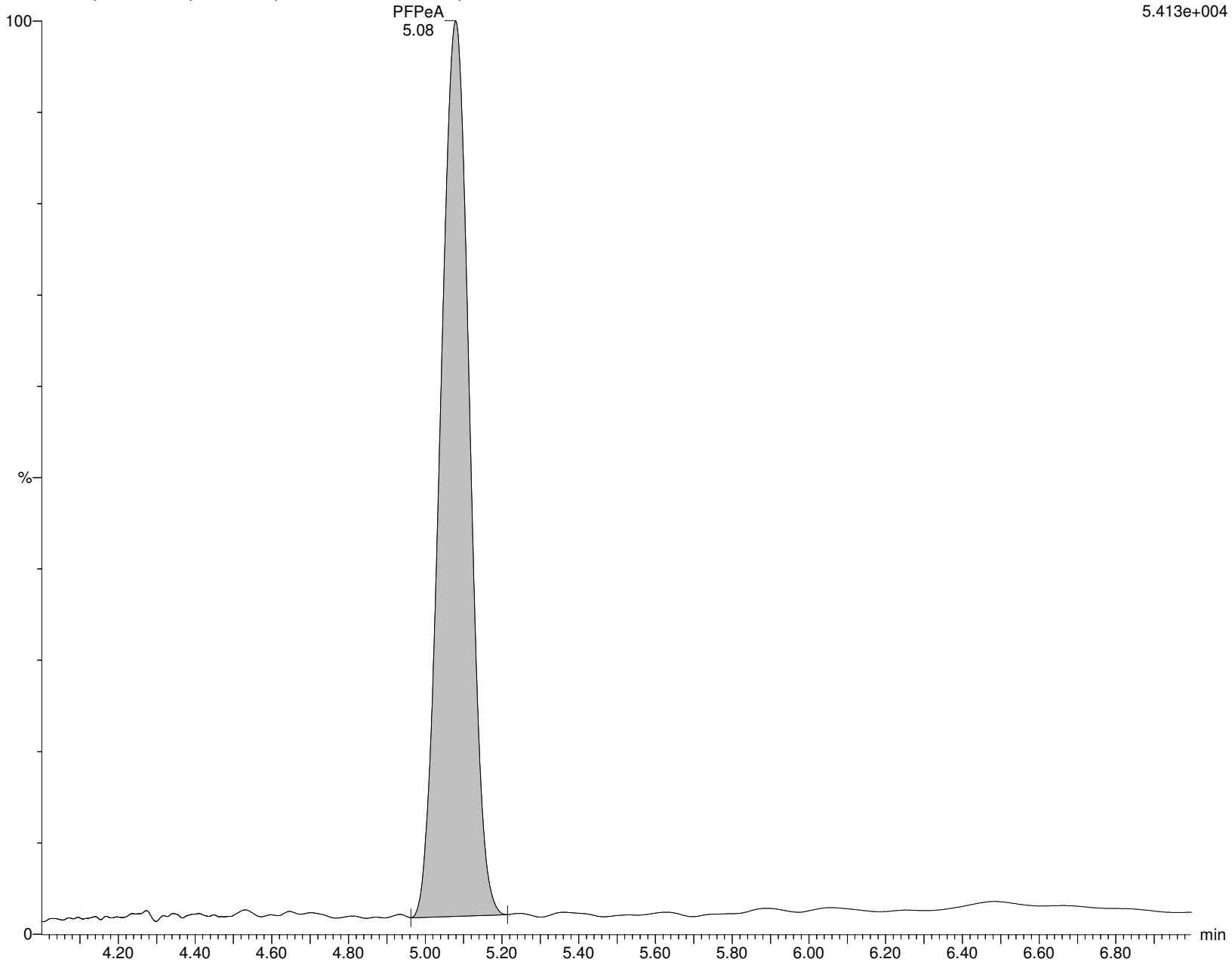
I18710 Smooth(Mn,7x7)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F4:MRM of 1 channel,ES-

262.926 > 219.002

5.413e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

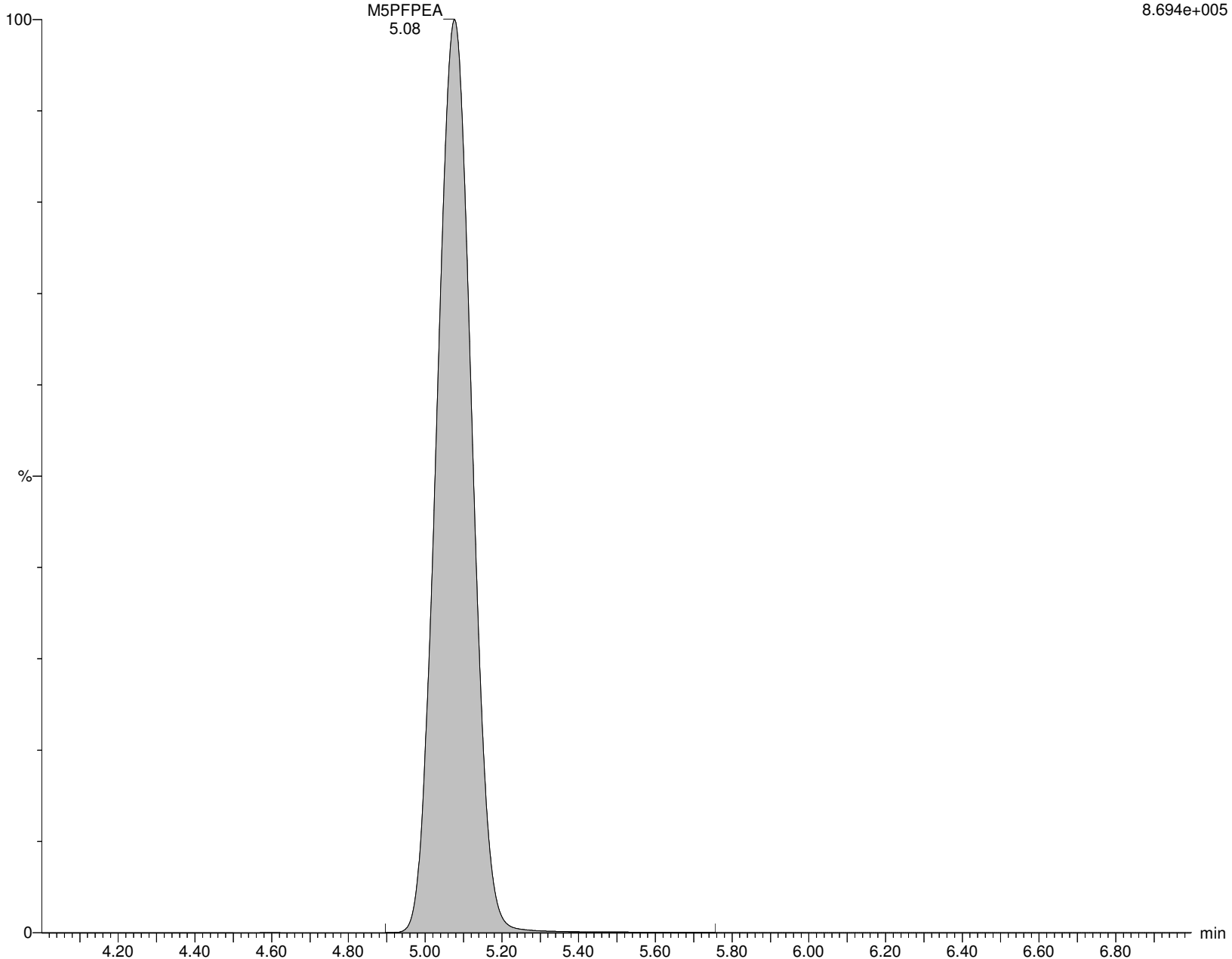
I18710 Smooth(Mn,10x10)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F5:MRM of 1 channel,ES-

267.989 > 223.081

8.694e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

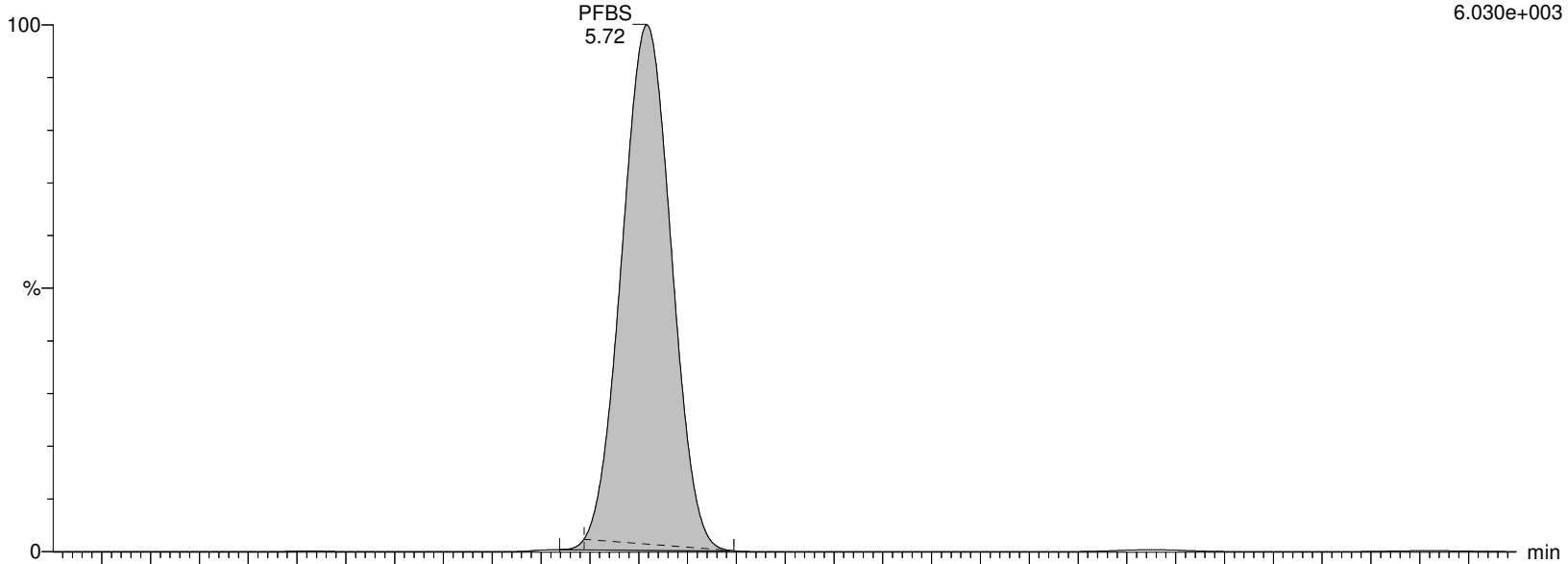
I18710 Smooth(Mn,10x10)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 79.923

6.030e+003



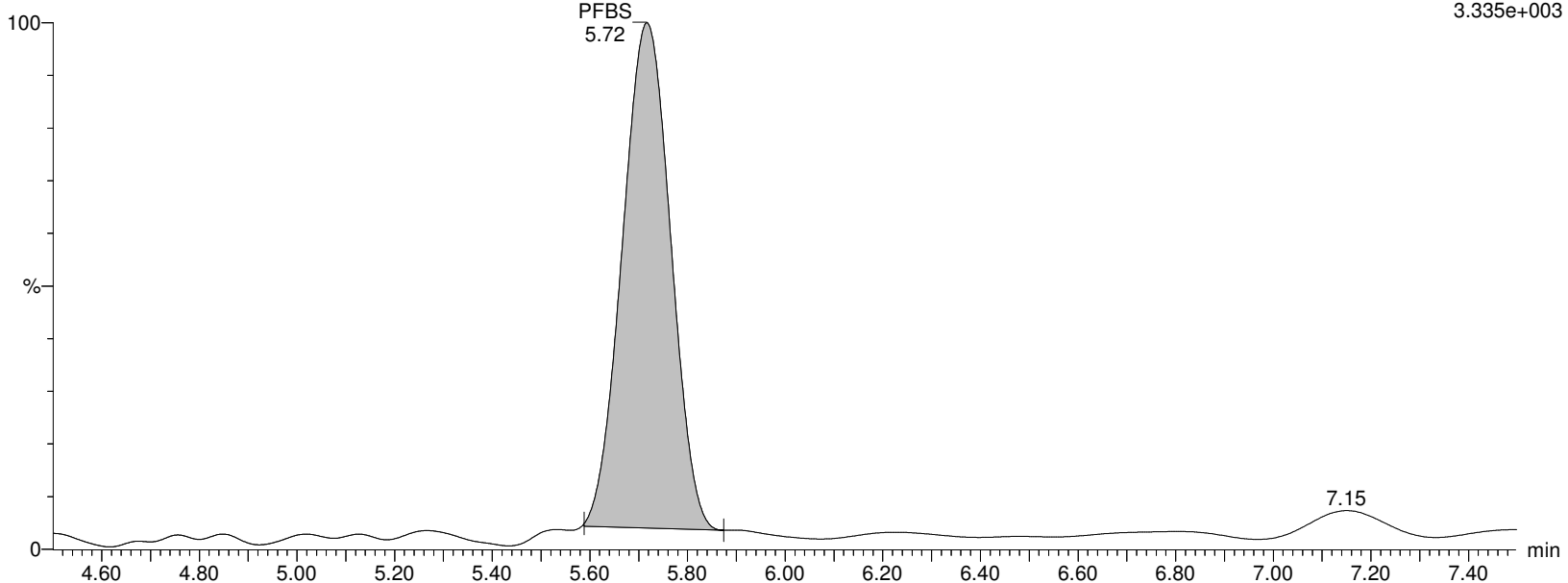
I18710 Smooth(Mn,10x10)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F7:MRM of 2 channels, ES-

298.926 > 98.862

3.335e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

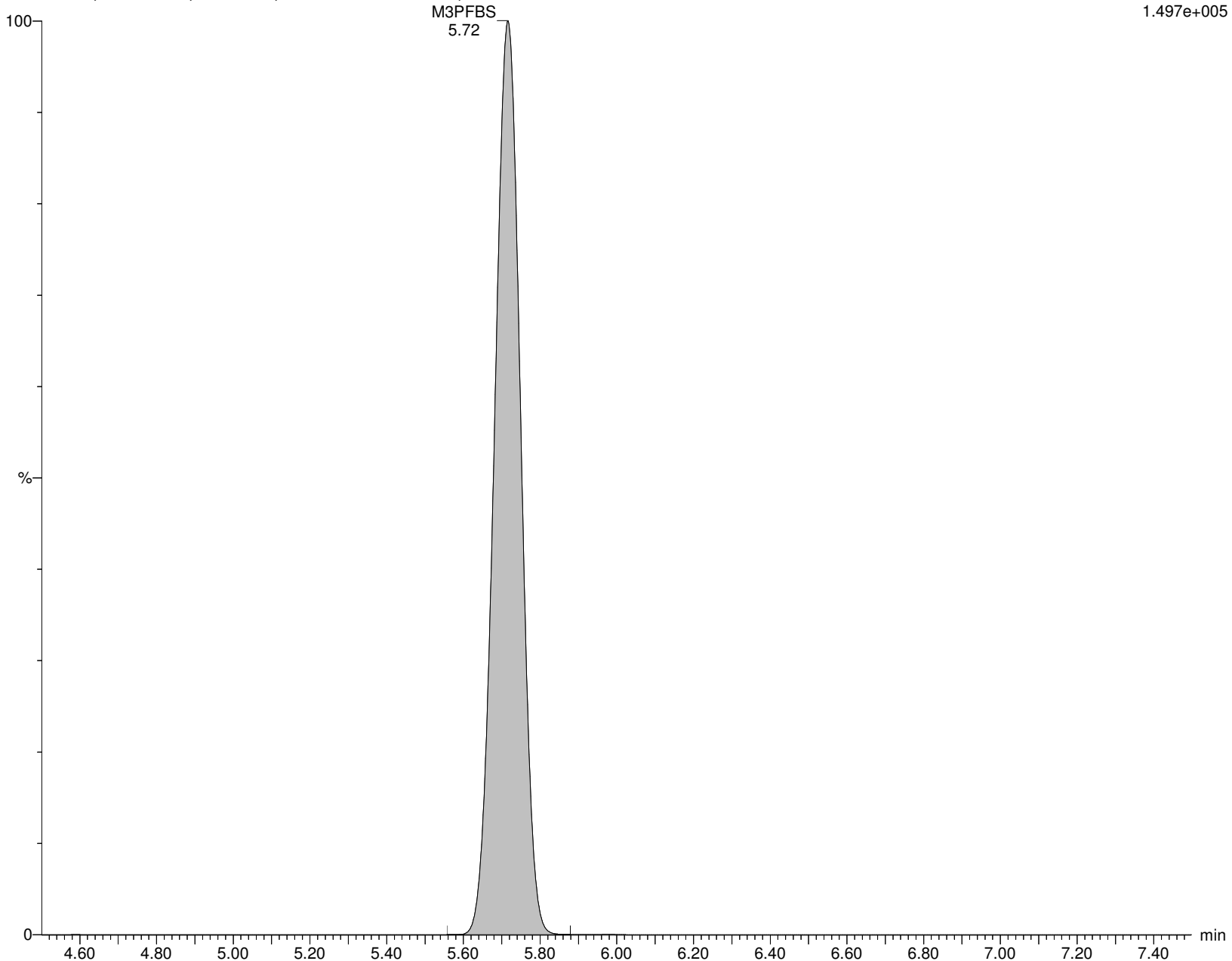
I18710 Smooth(Mn,6x6)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.497e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

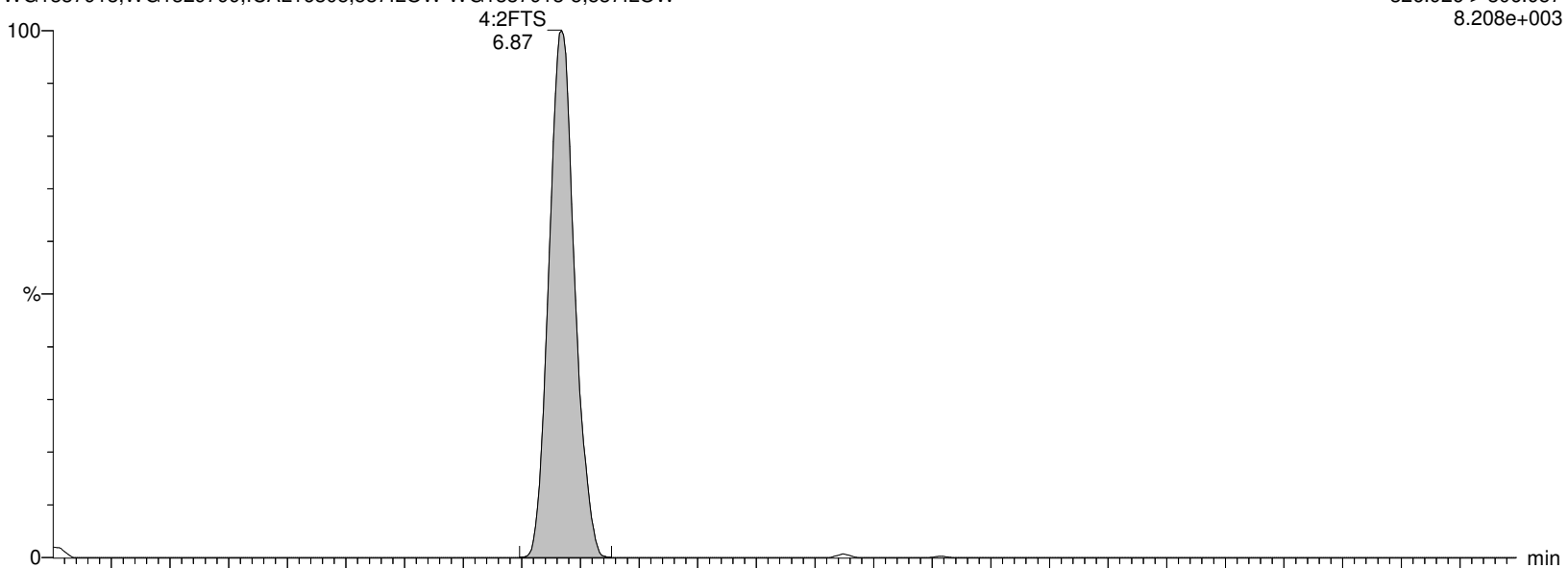
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F11:MRM of 2 channels,ES-

326.926 > 306.957

8.208e+003



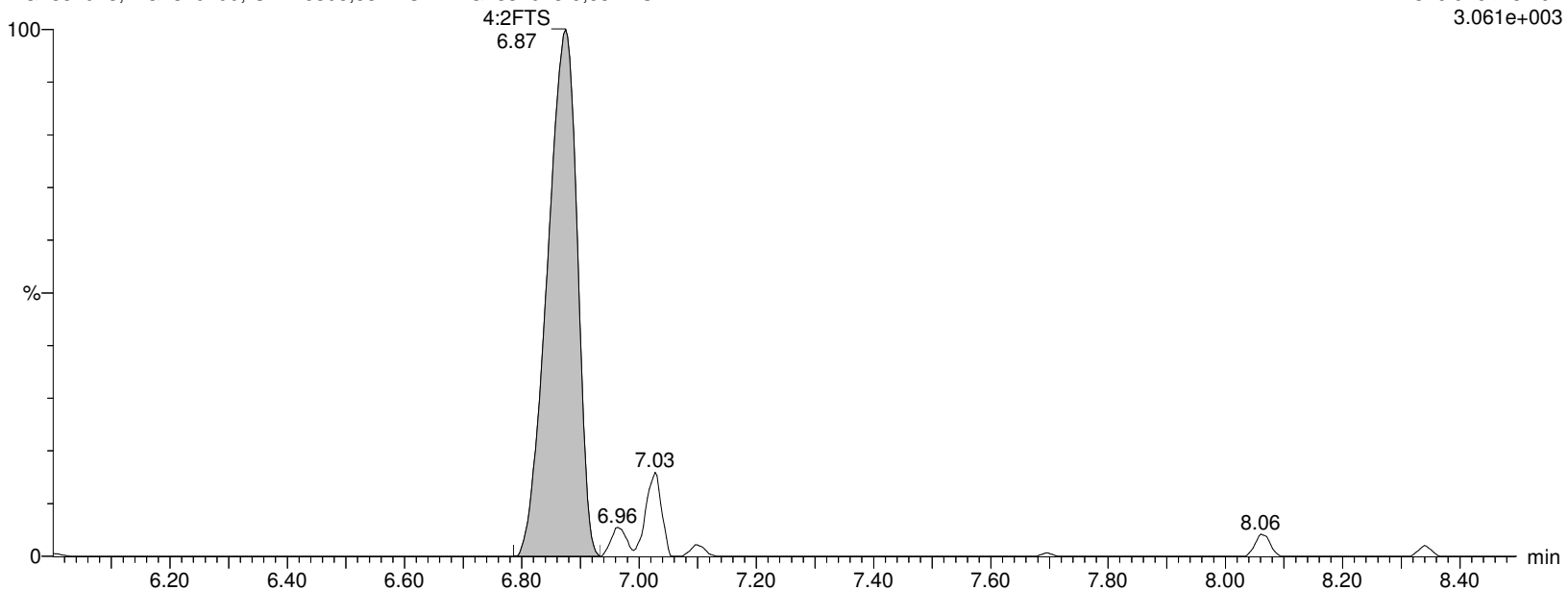
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F11:MRM of 2 channels,ES-

326.926 > 81.02

3.061e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

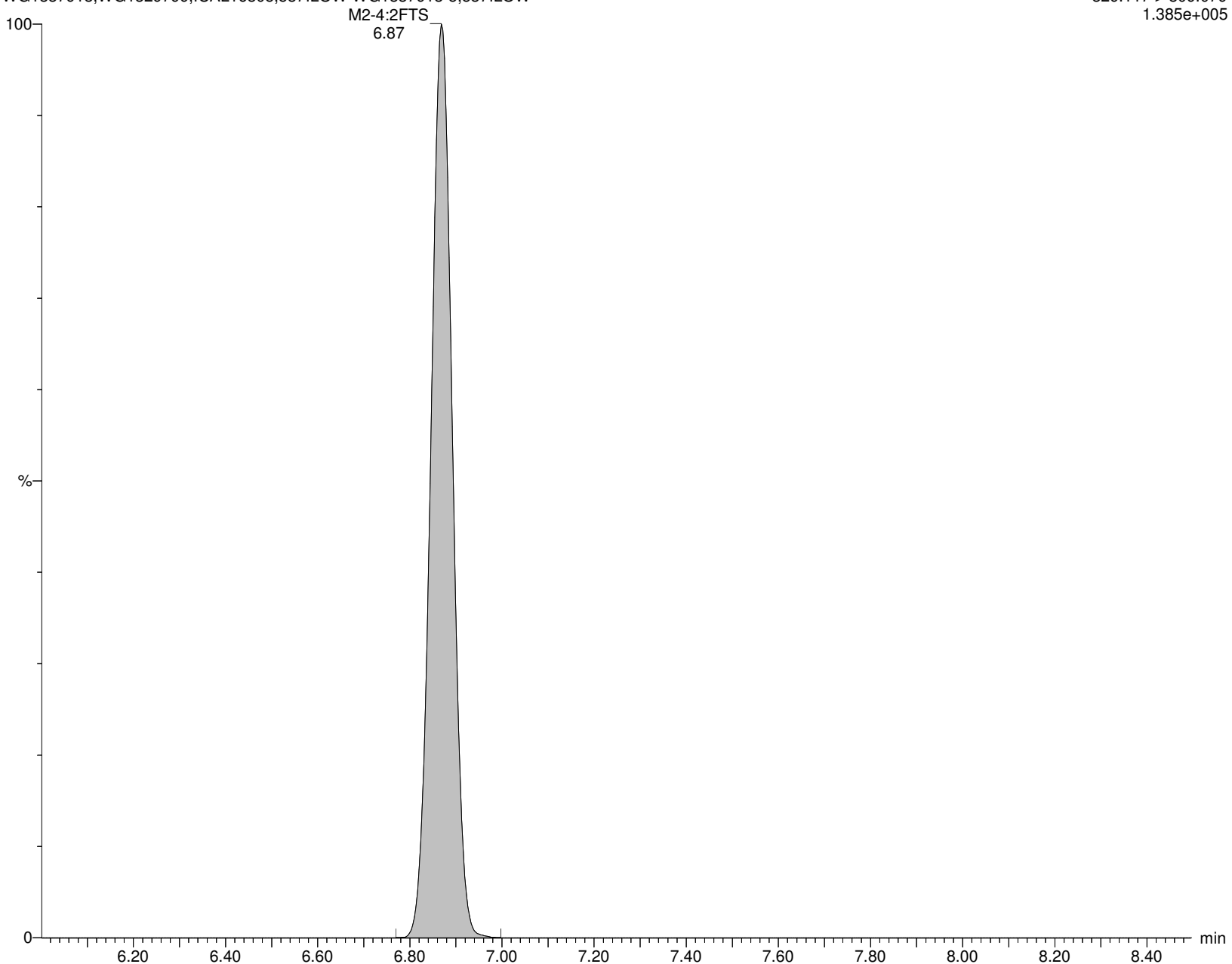
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.385e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

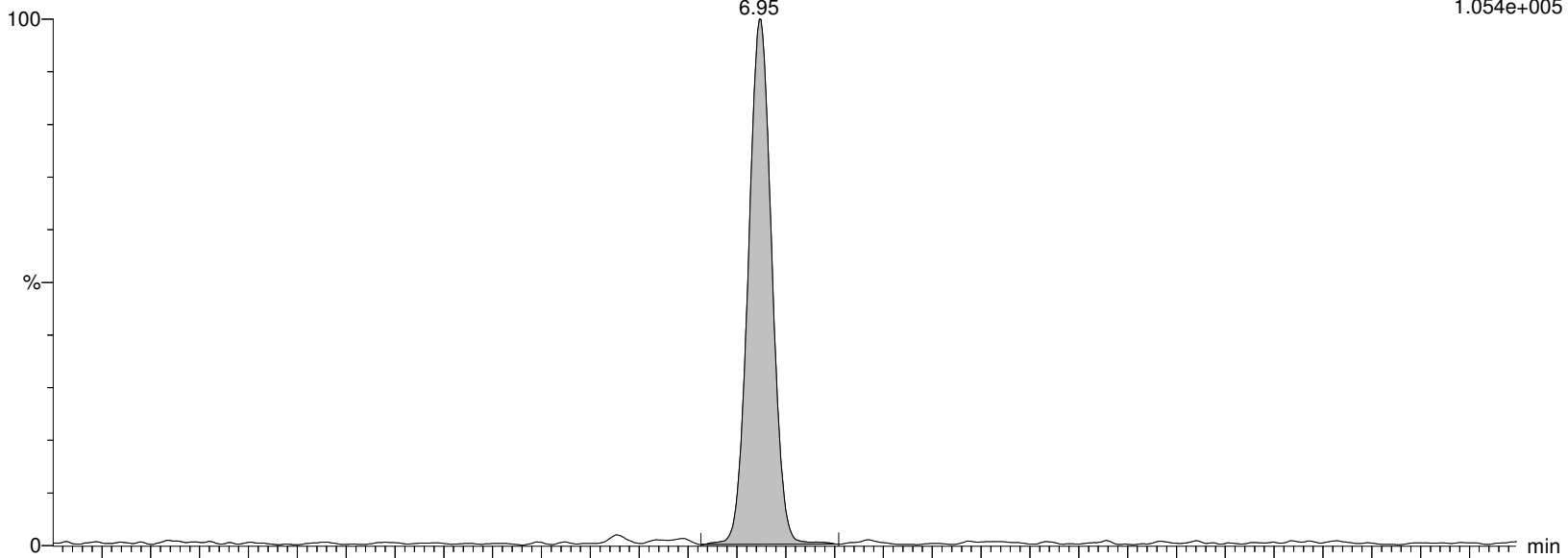
PFHxA

6.95

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.054e+005



I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

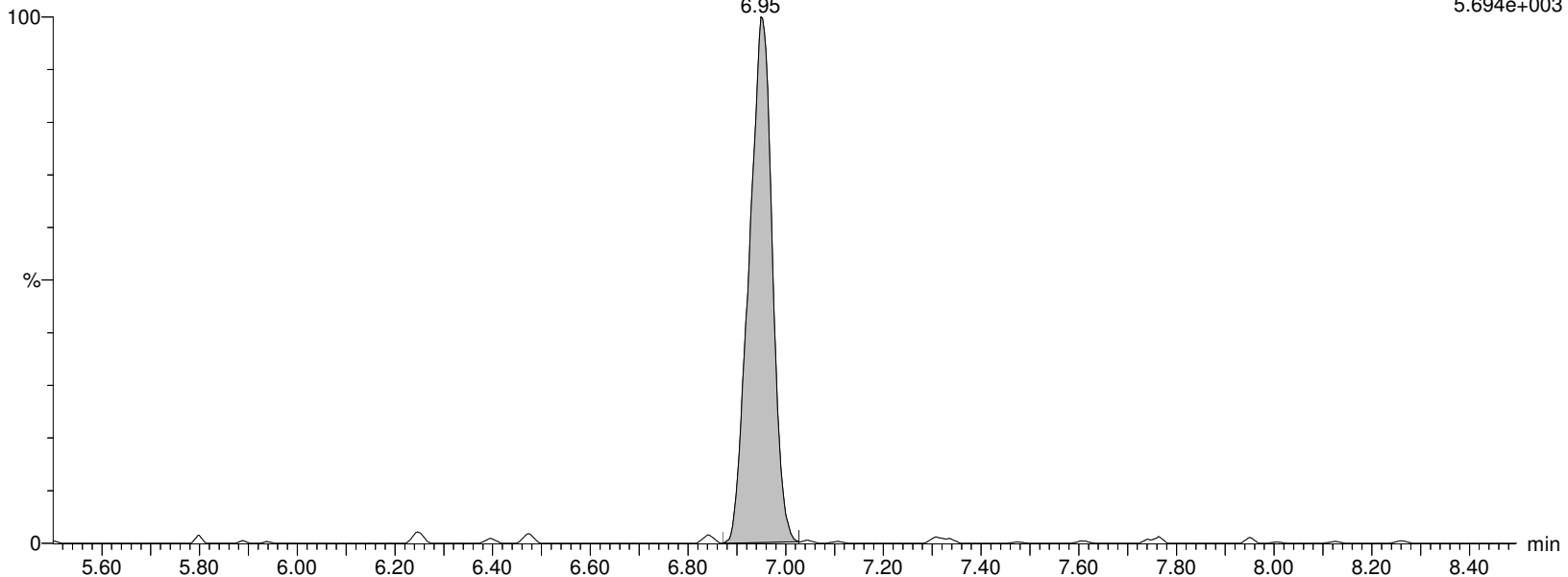
PFHxA

6.95

F9:MRM of 2 channels, ES-

312.989 > 119.18

5.694e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

I18710 Smooth(Mn,2x3)

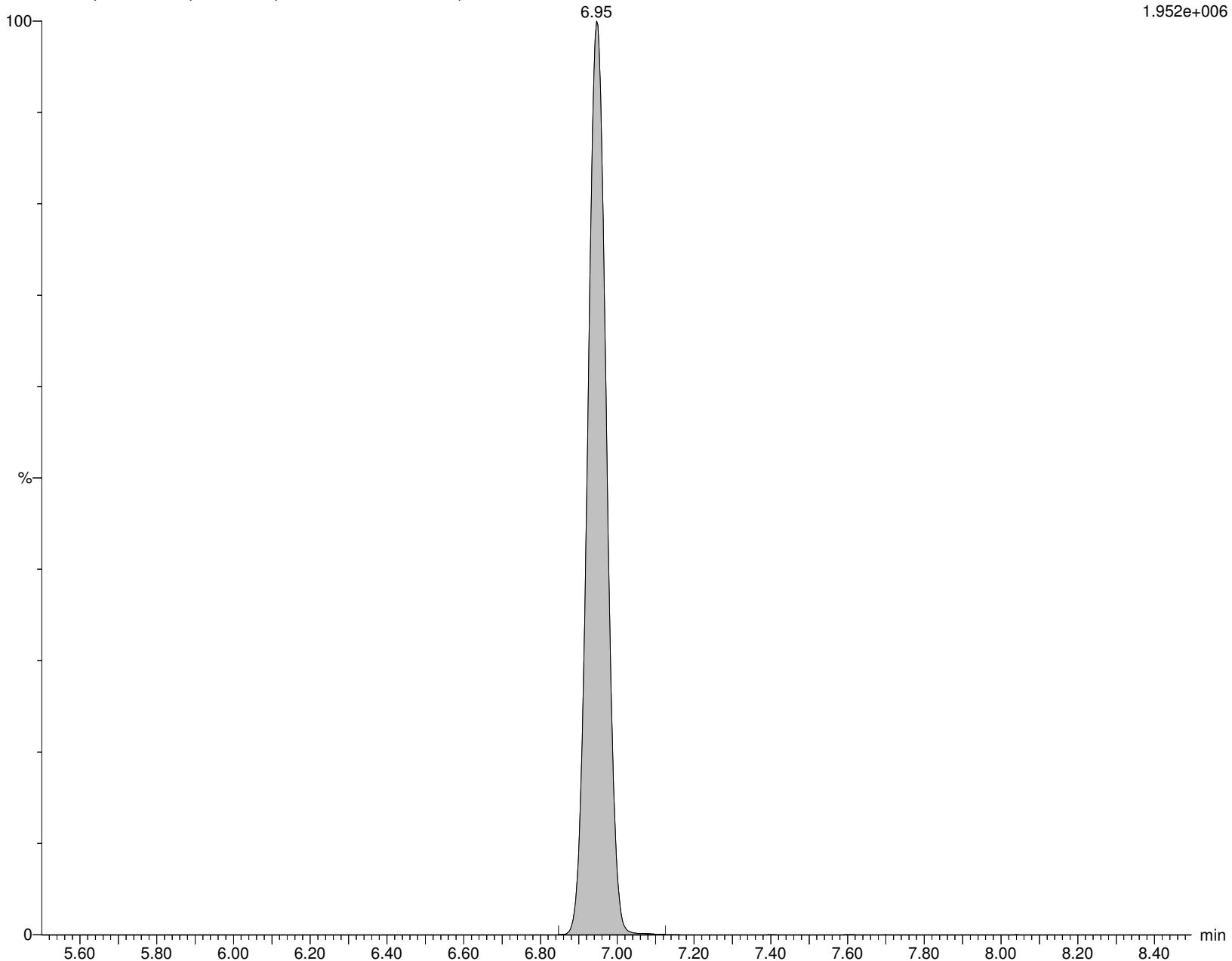
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

M5PFHxA

F10:MRM of 1 channel, ES-

317.989 > 273.045

1.952e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

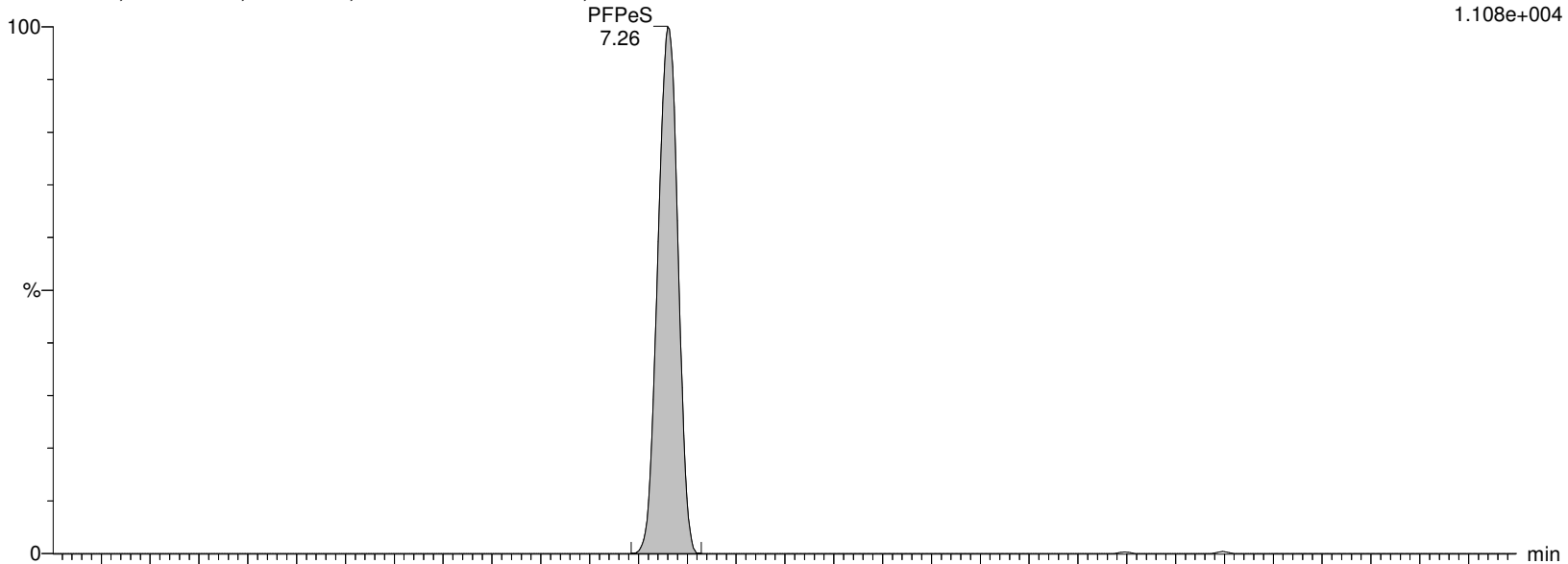
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F14:MRM of 2 channels, ES-

348.926 > 80.251

1.108e+004



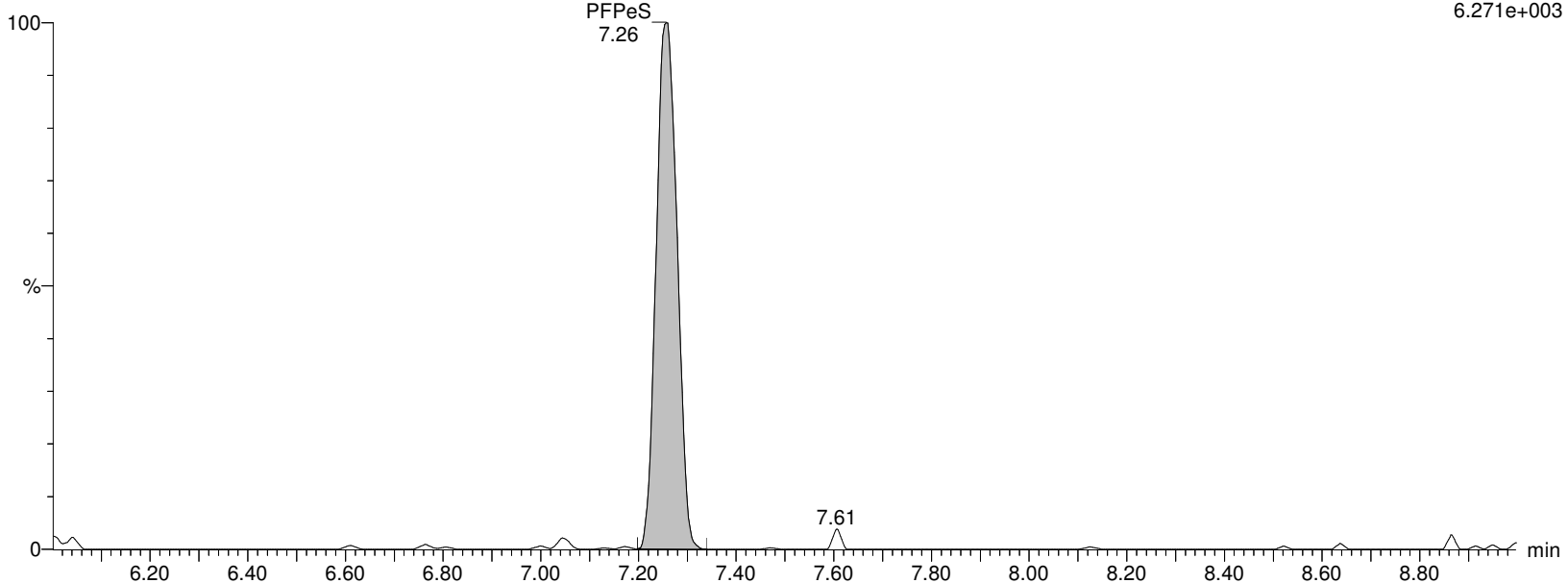
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F14:MRM of 2 channels, ES-

348.926 > 99.16

6.271e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

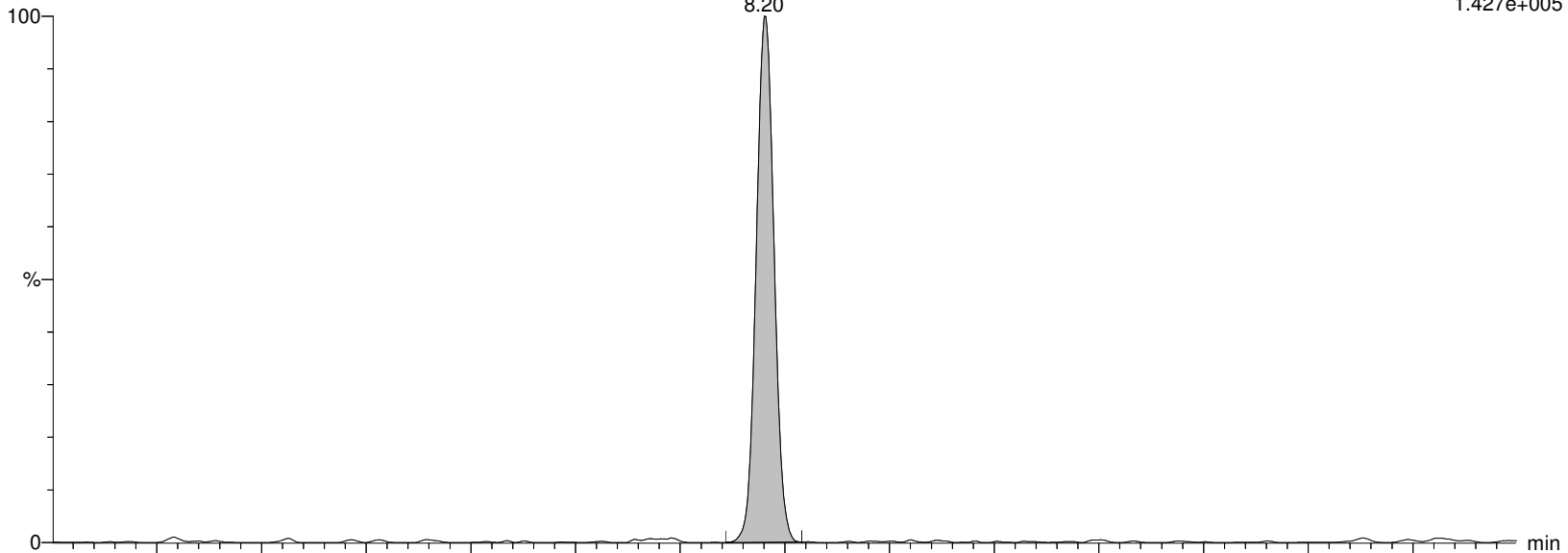
PFHpA

8.20

F15:MRM of 2 channels, ES-

362.926 > 319.014

1.427e+005



I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

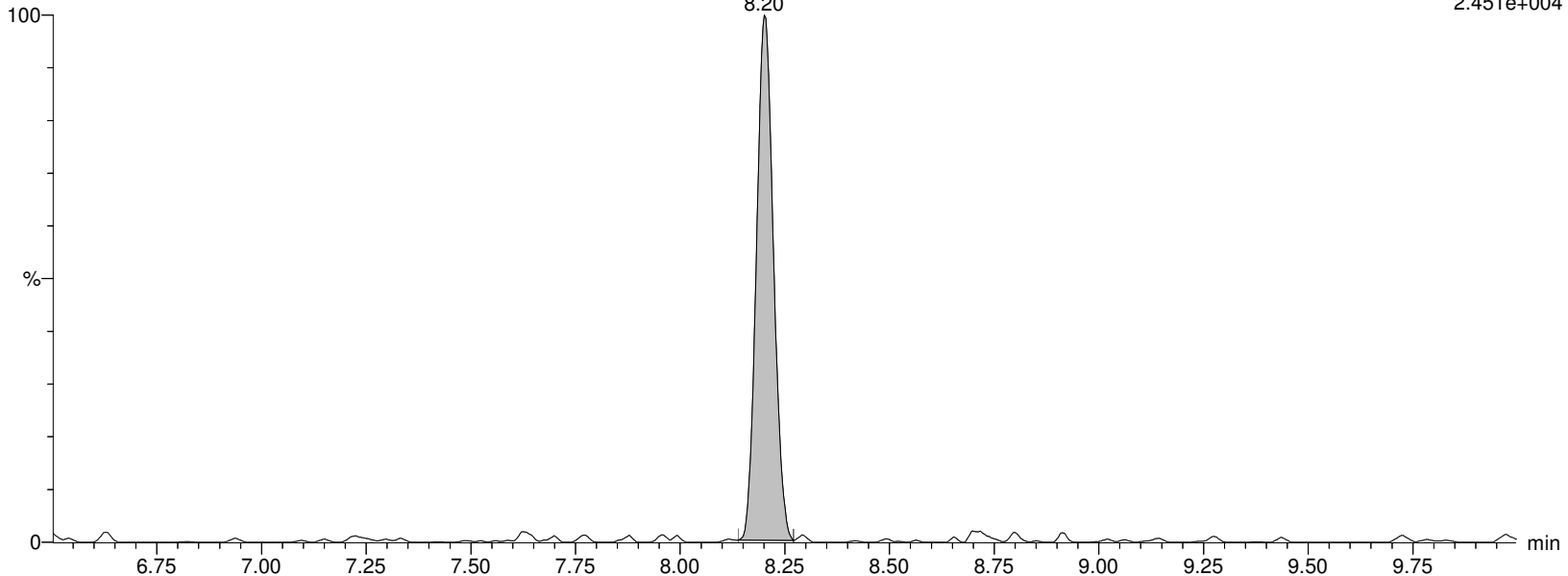
PFHpA

8.20

F15:MRM of 2 channels, ES-

362.926 > 169.12

2.451e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

I18710 Smooth(Mn,2x3)

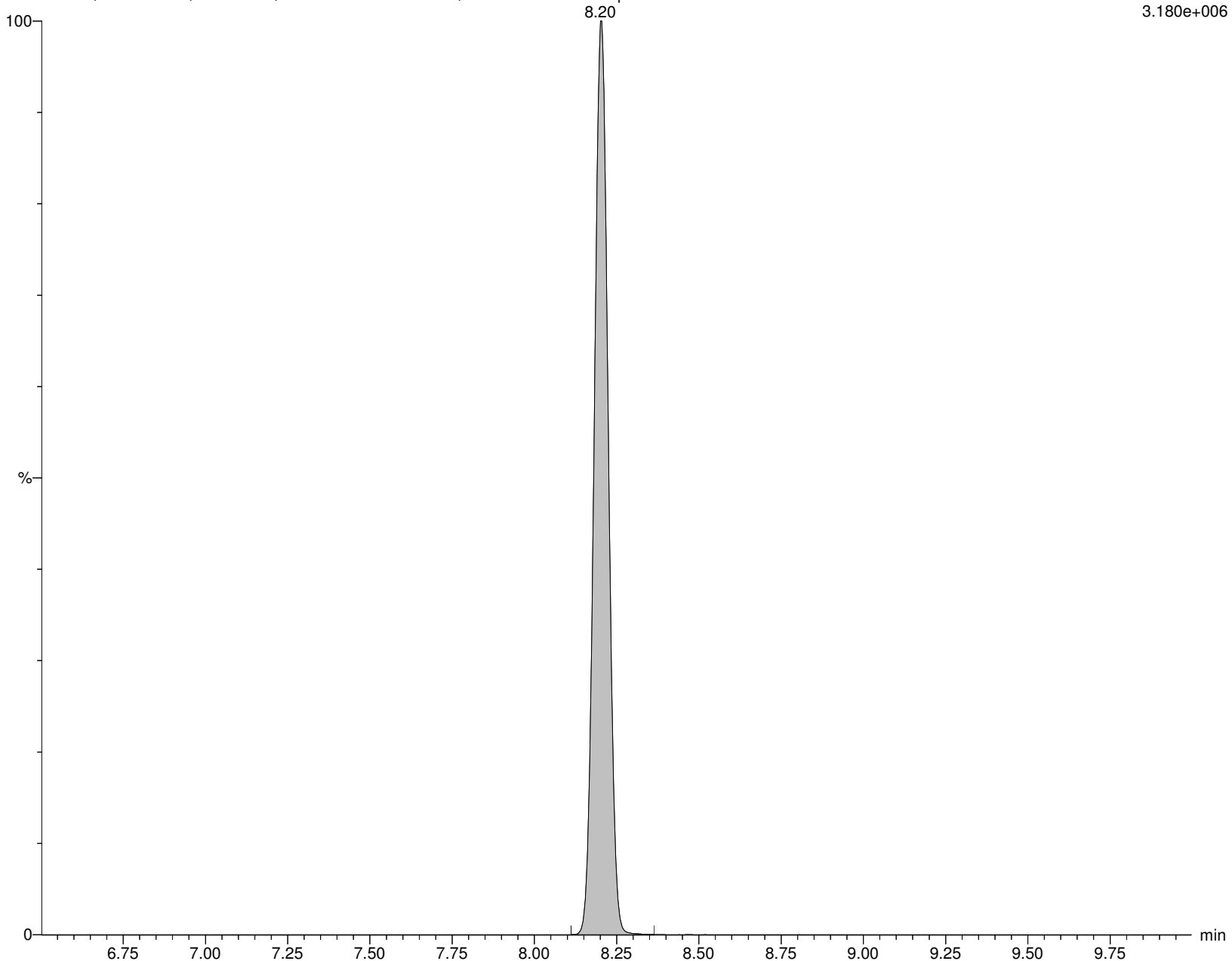
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

M4PFHpA

F16:MRM of 1 channel, ES-

366.926 > 321.979

3.180e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

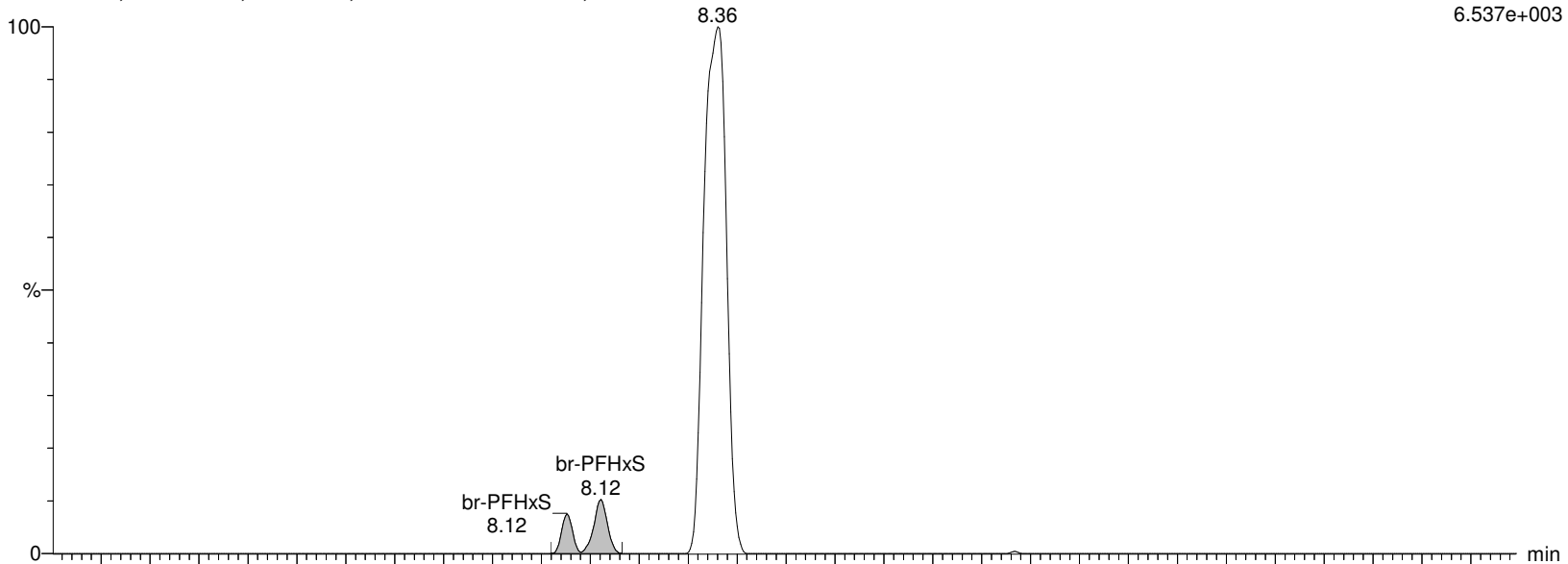
I18710 Smooth(Mn,3x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F18:MRM of 2 channels,ES-

398.926 > 80.295

6.537e+003



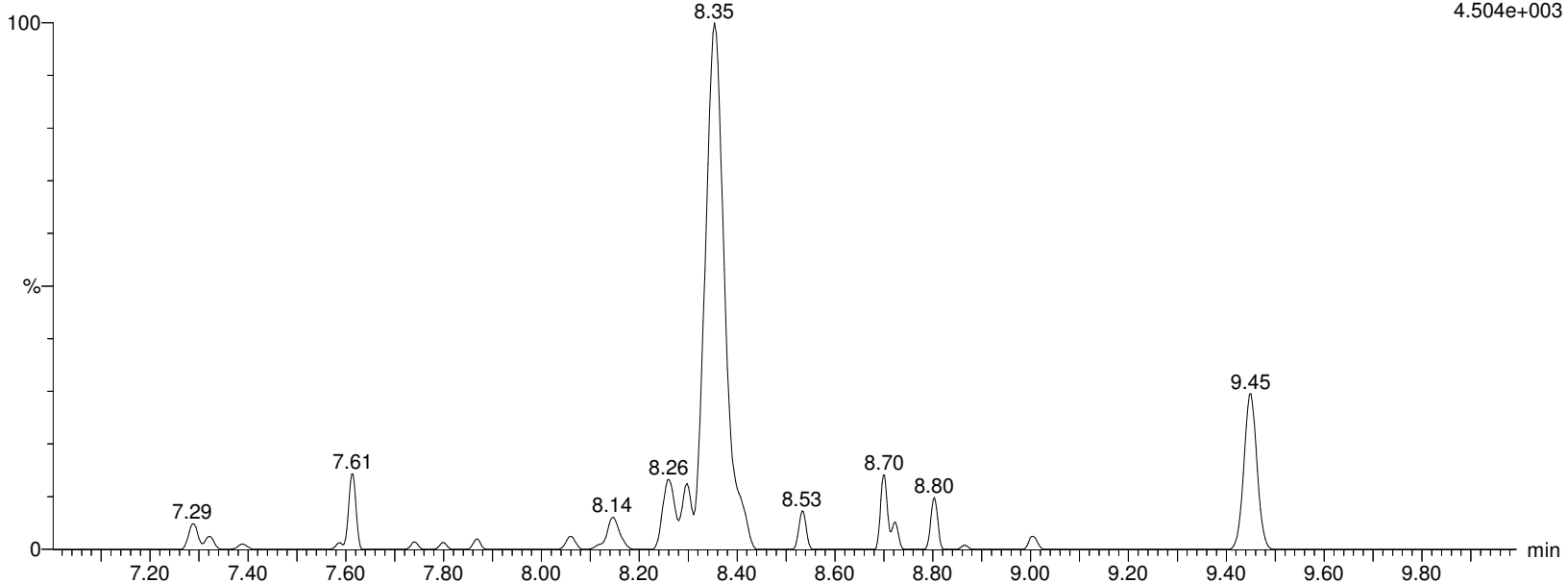
I18710 Smooth(Mn,3x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F18:MRM of 2 channels,ES-

398.926 > 99.2

4.504e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

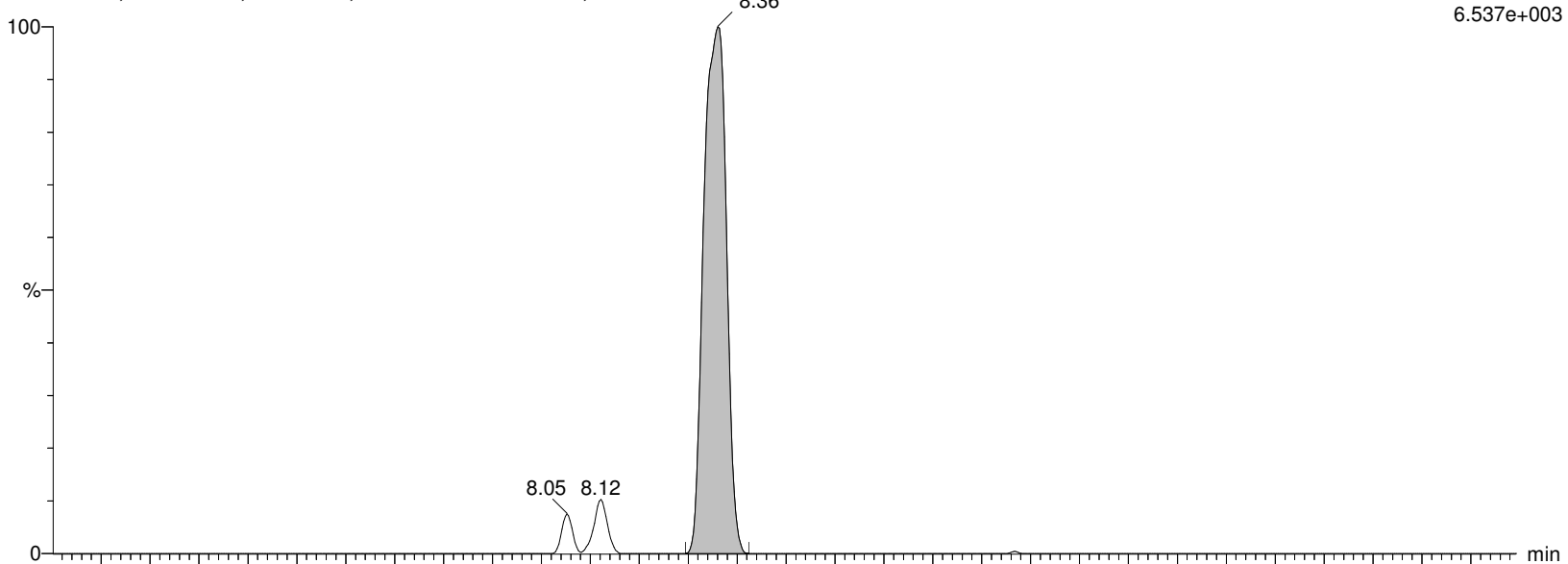
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

6.537e+003



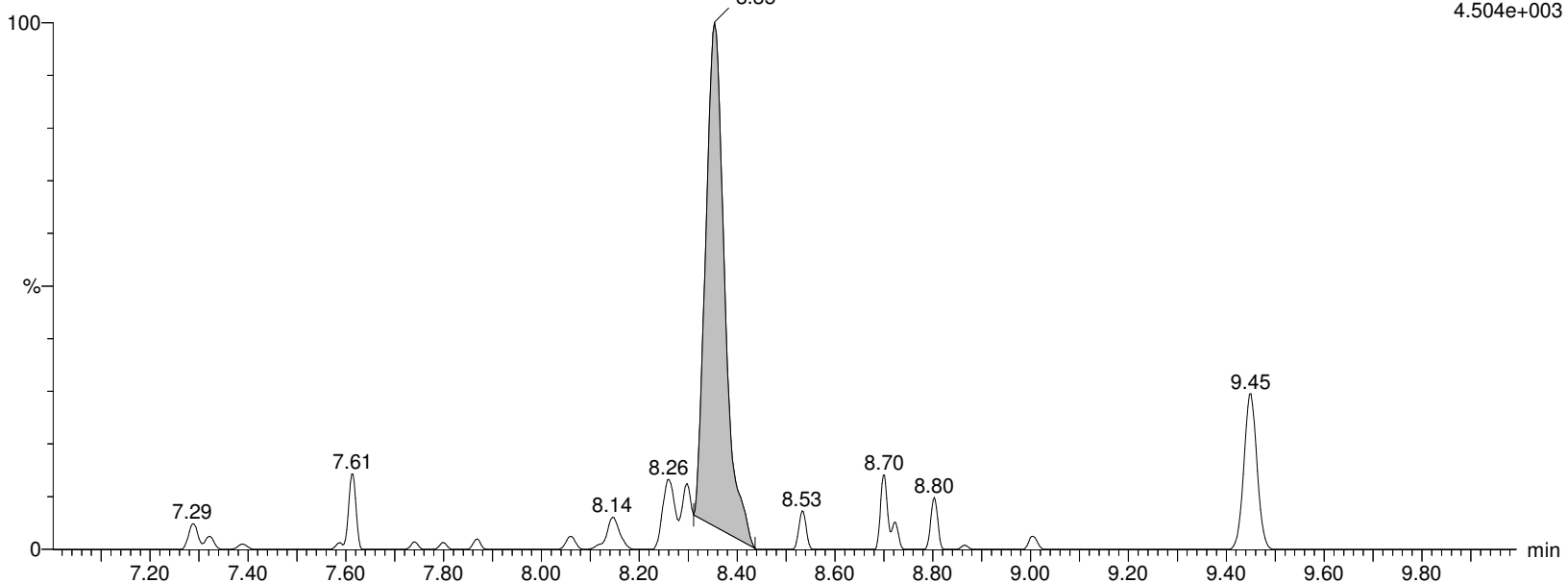
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.504e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

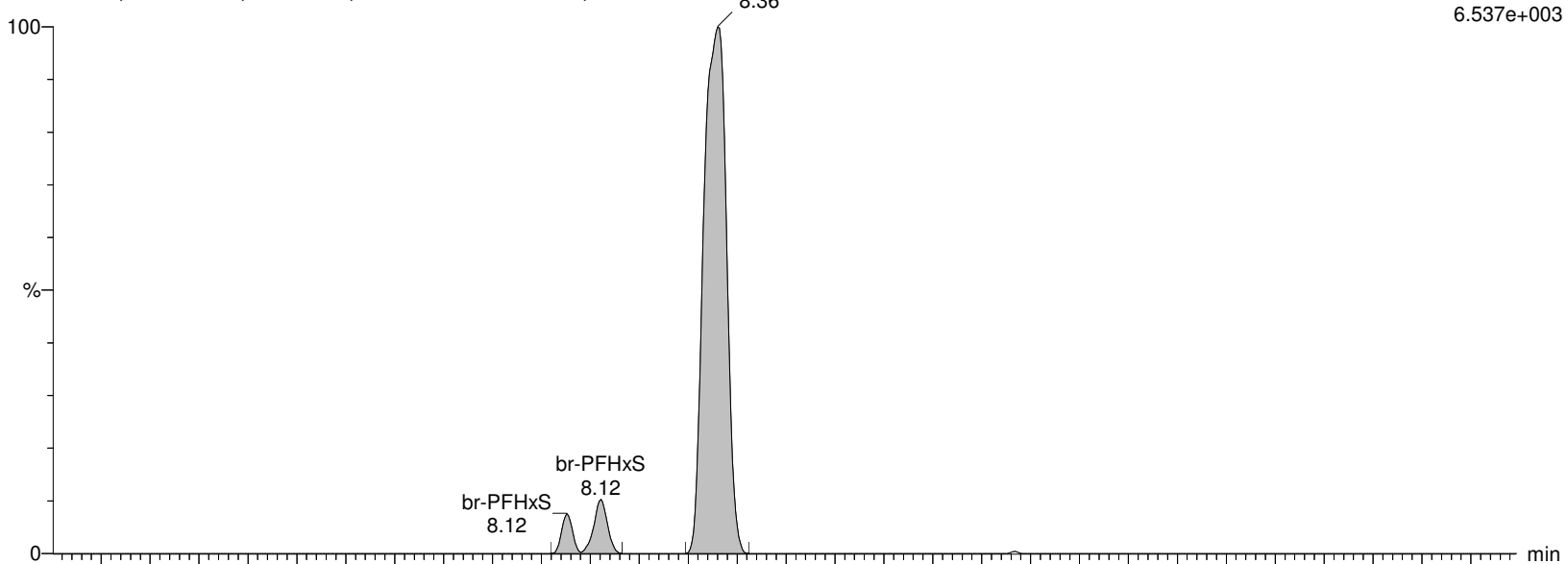
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 80.295

6.537e+003



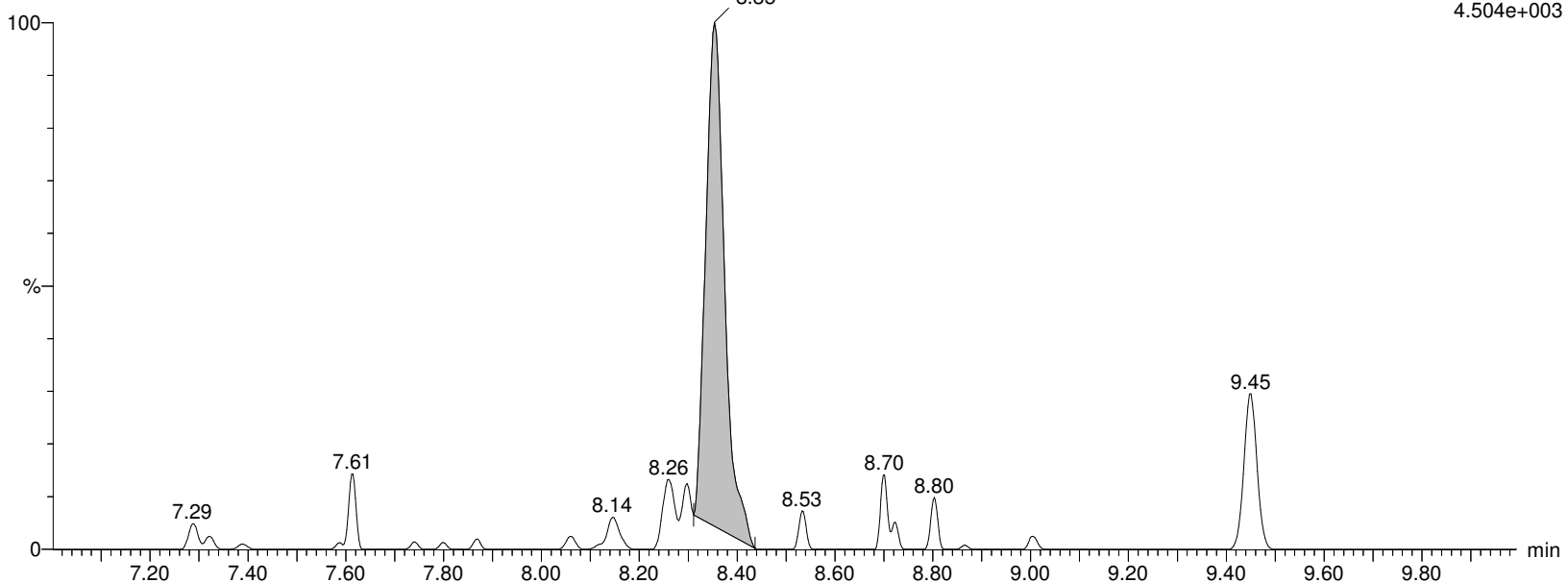
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.504e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

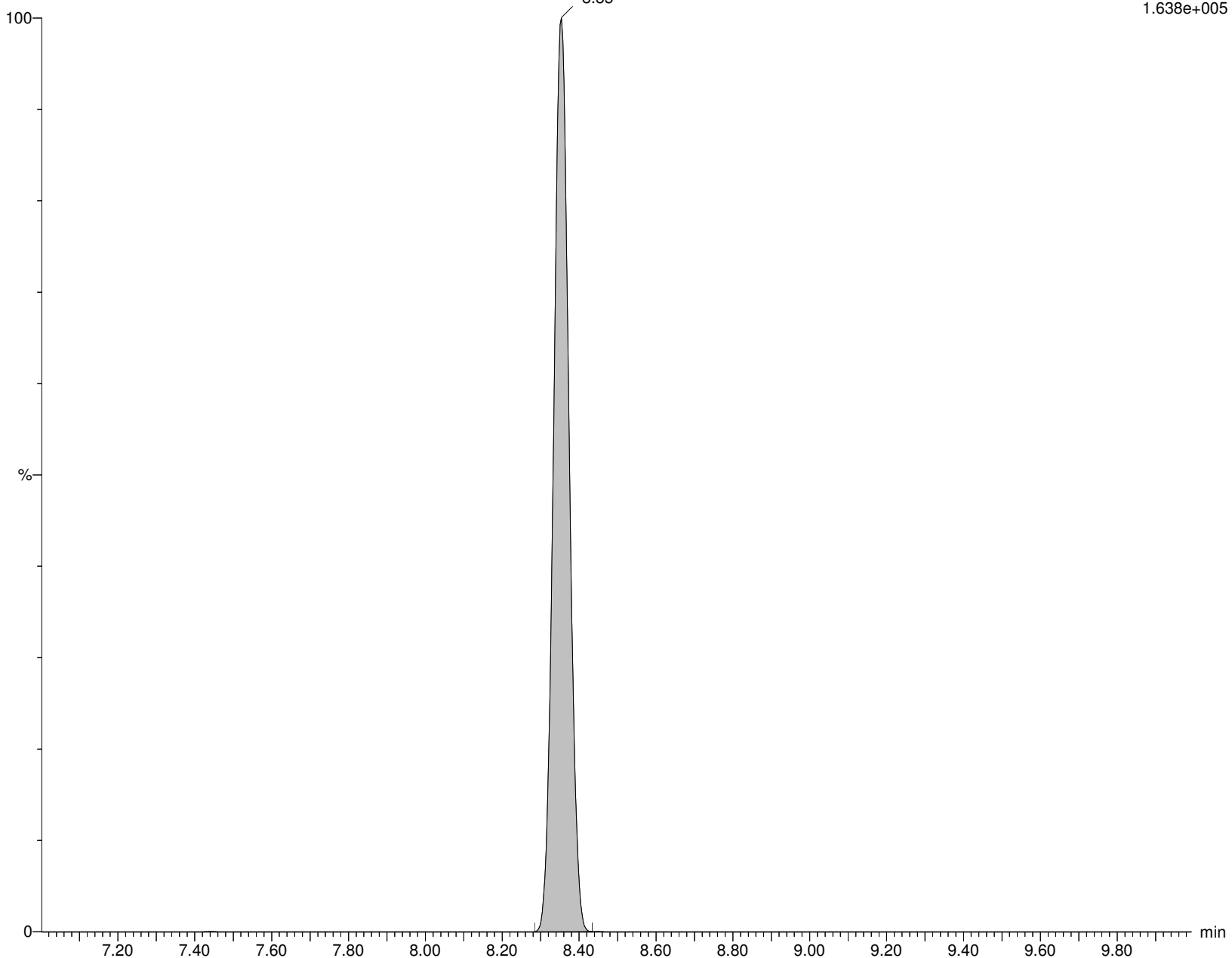
Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

M3PFHxS
8.35F19:MRM of 1 channel, ES-
401.926 > 80.317
1.638e+005

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

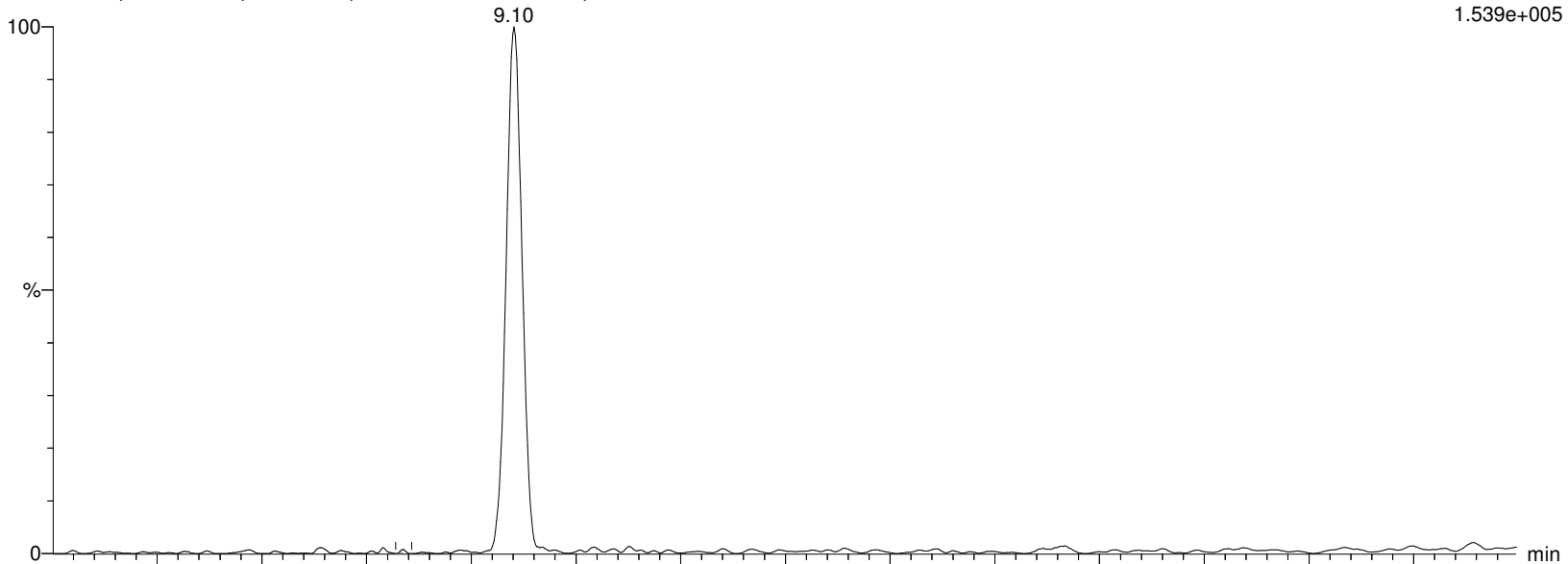
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.539e+005



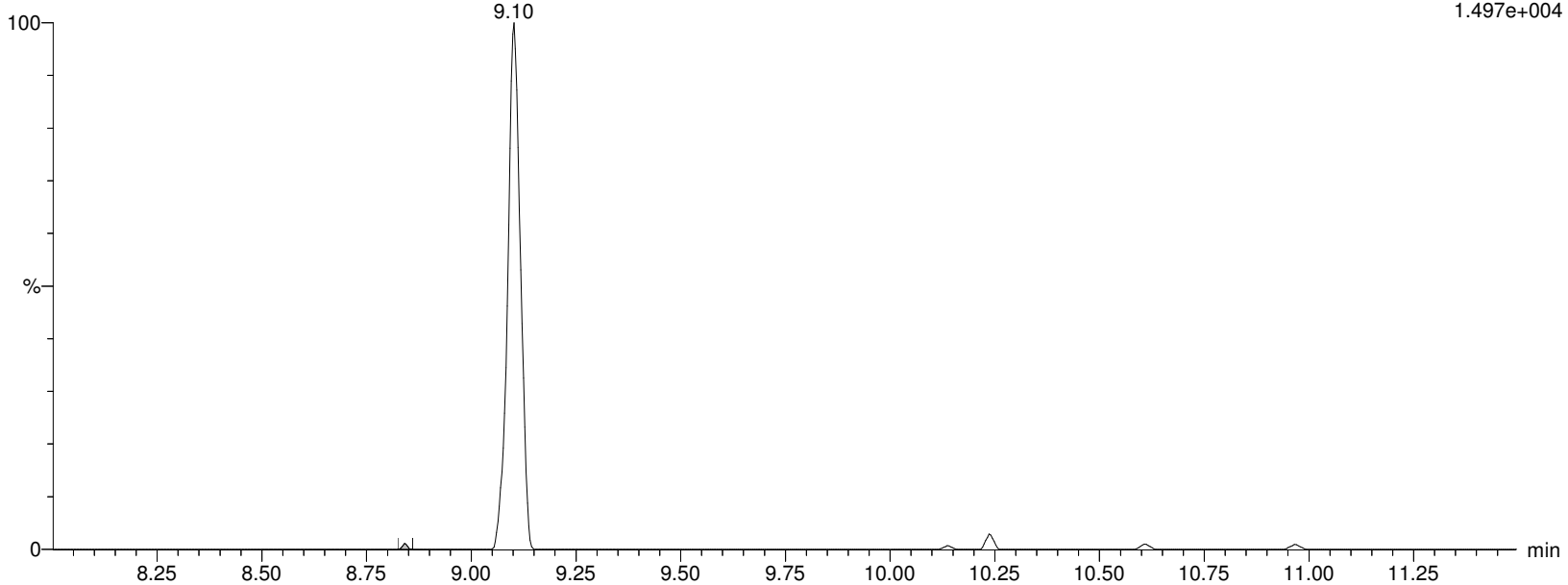
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.497e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

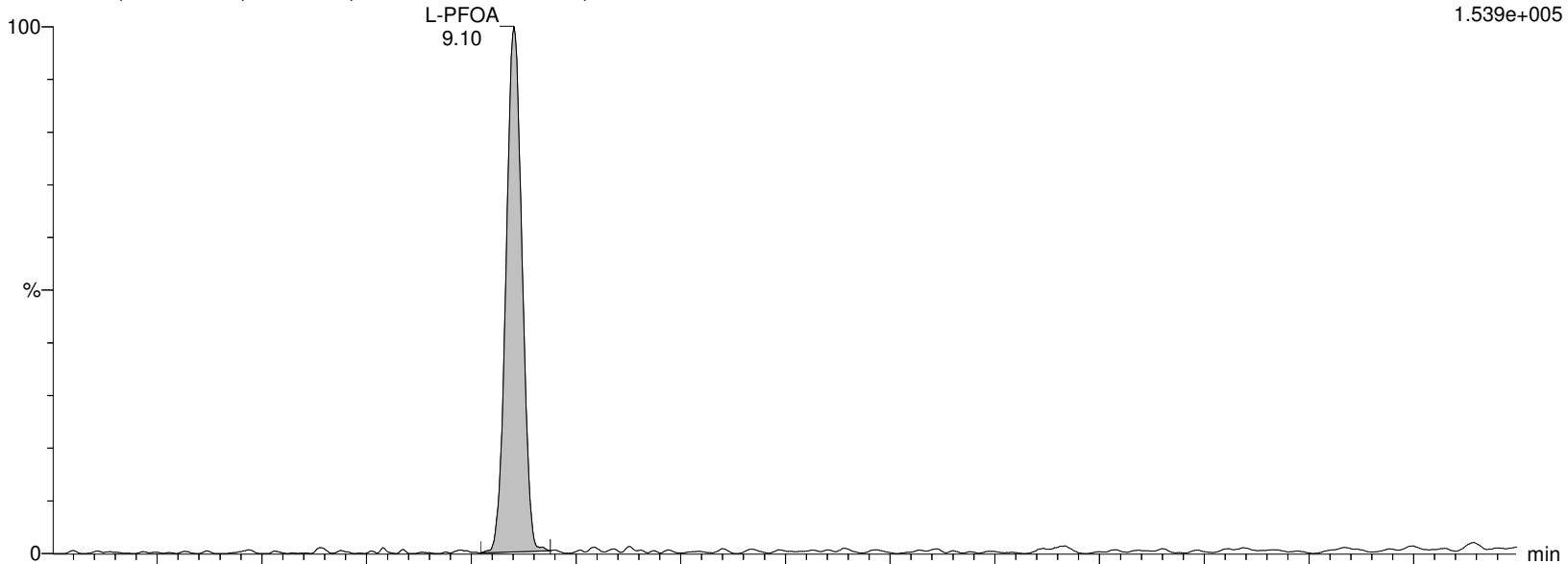
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 368.9

1.539e+005



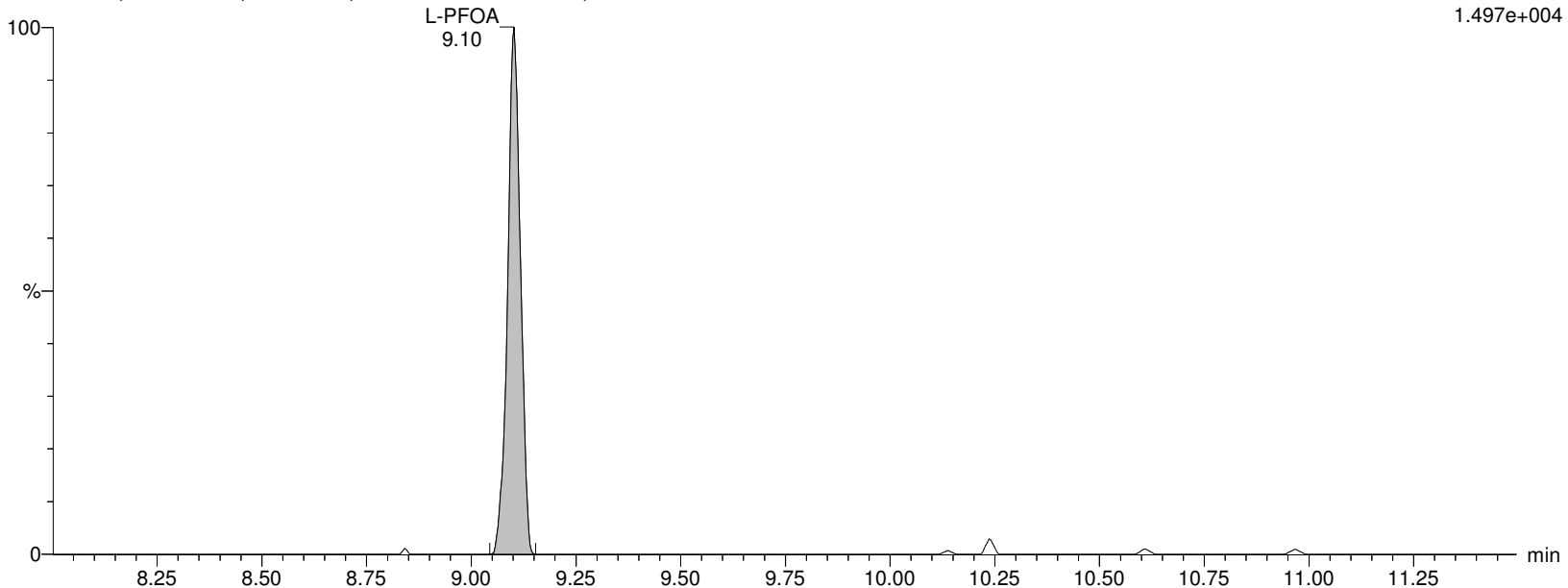
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F20:MRM of 2 channels,ES-

412.989 > 219.08

1.497e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

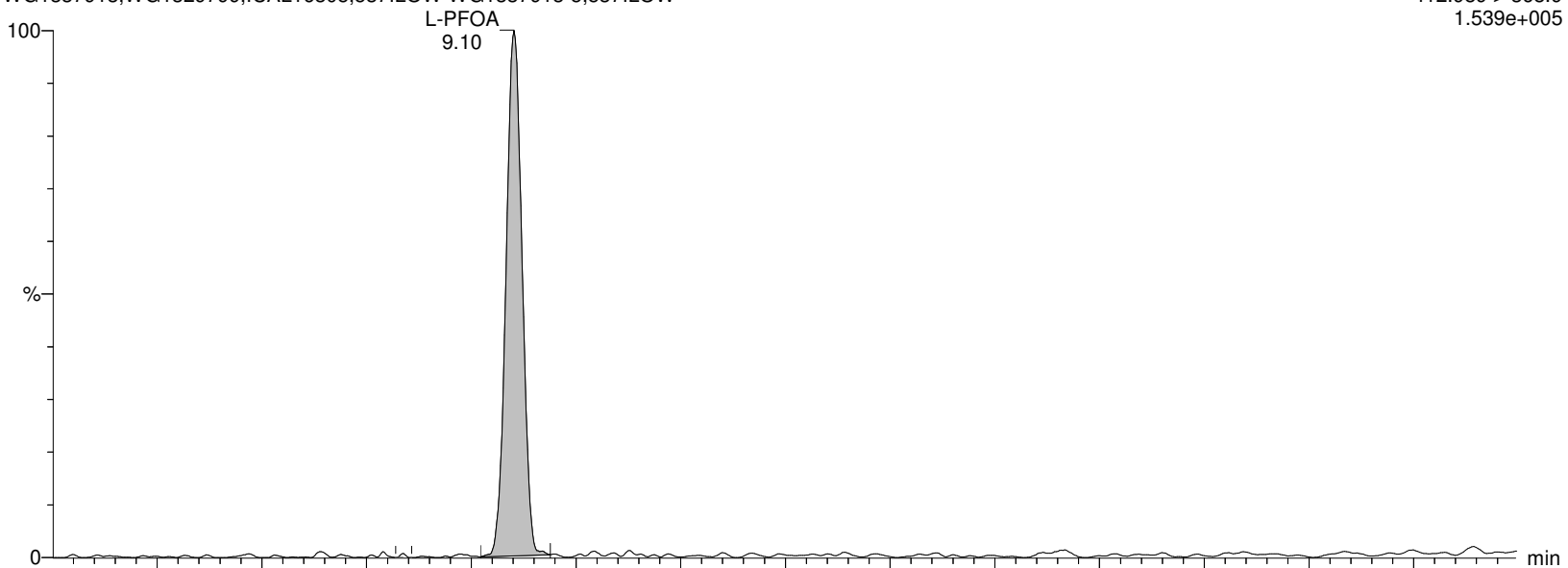
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.539e+005



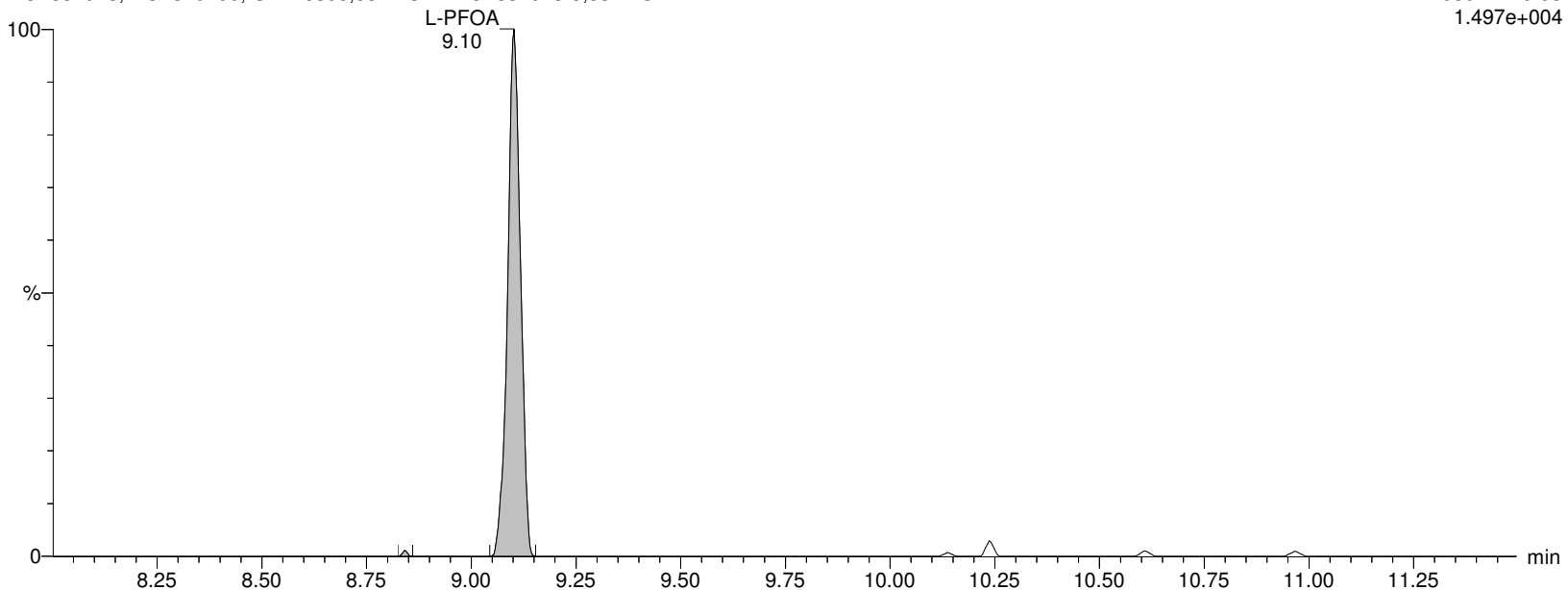
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.497e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

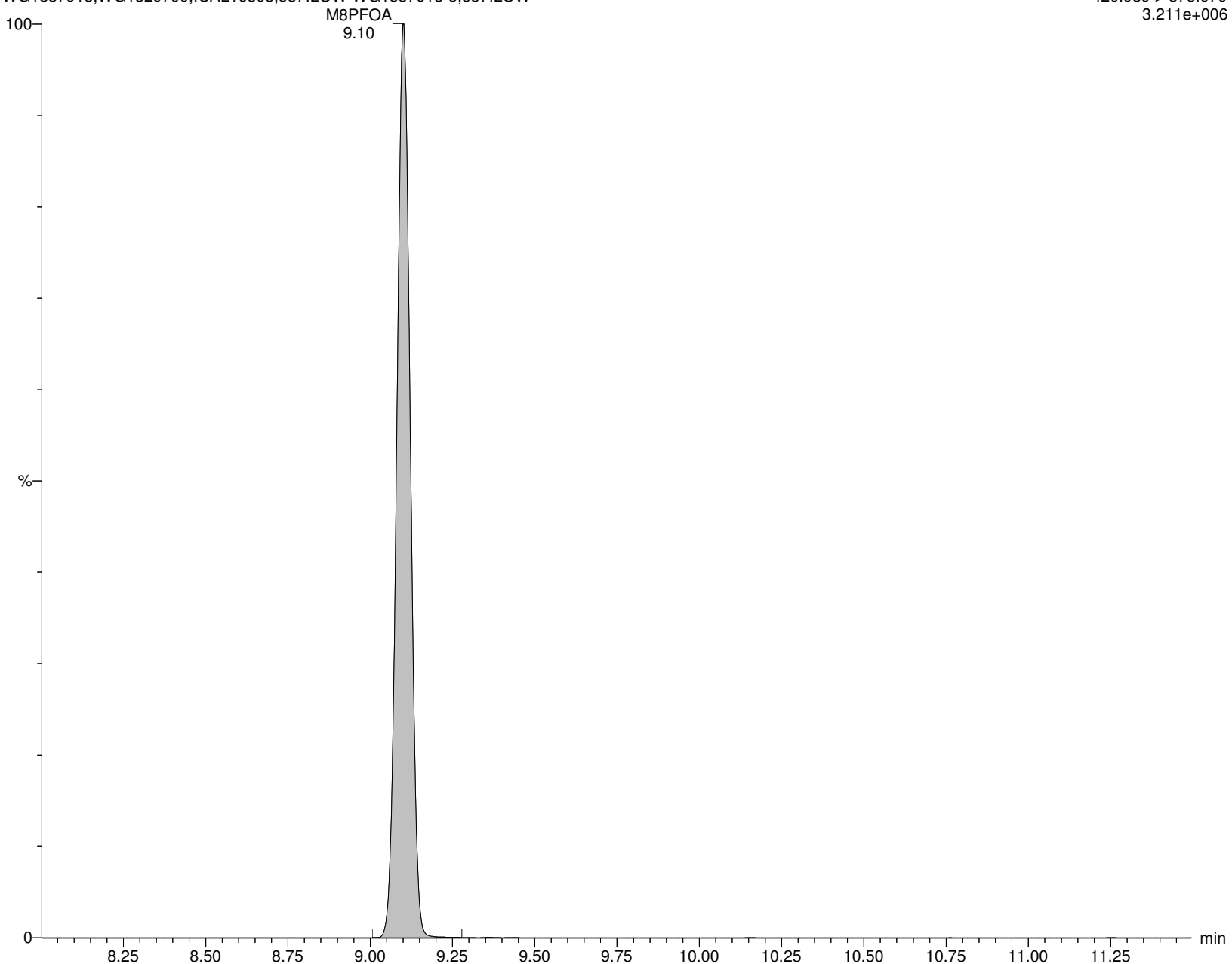
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F22:MRM of 1 channel,ES-

420.989 > 375.979

3.211e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

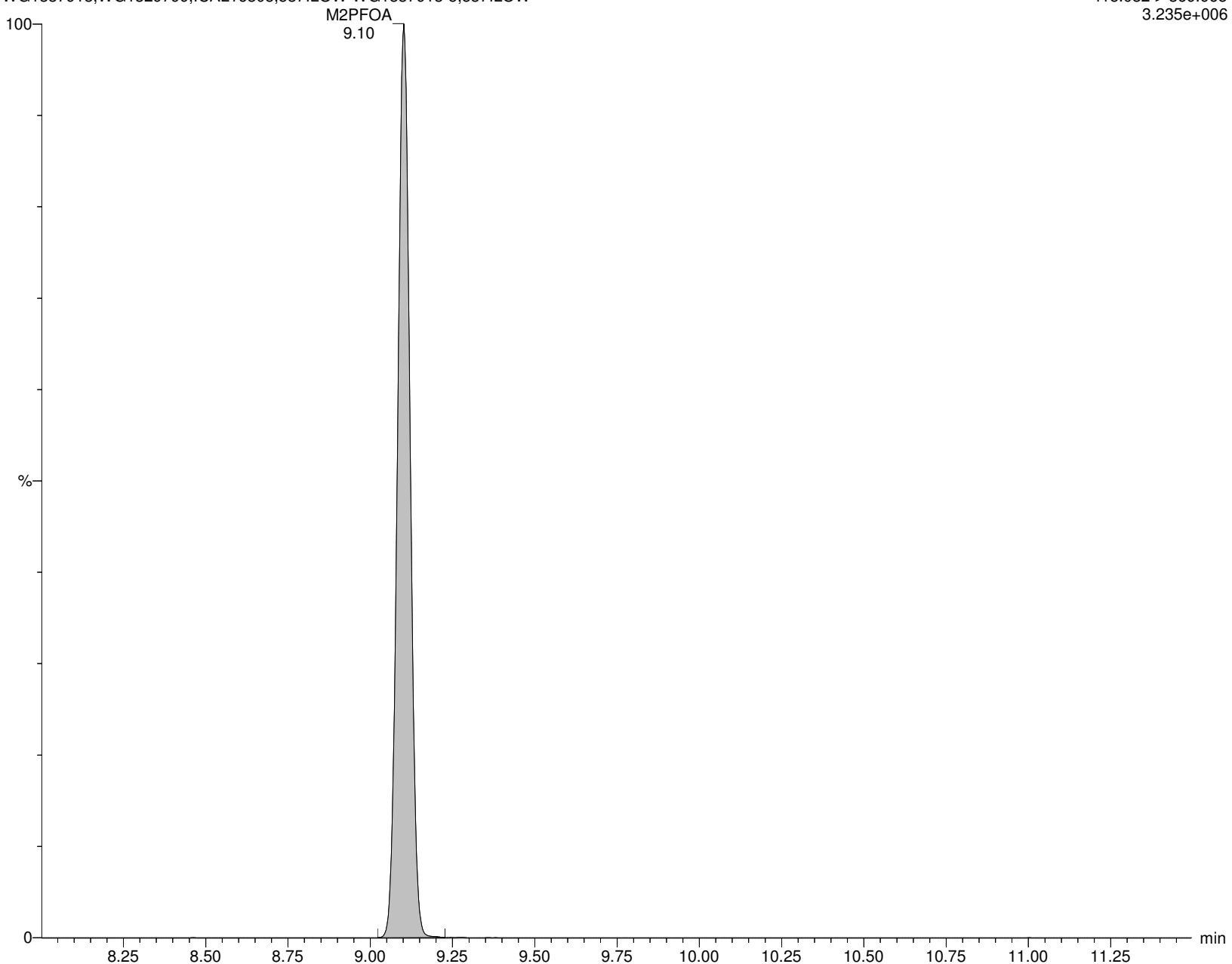
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F21:MRM of 1 channel,ES-

415.032 > 369.968

3.235e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

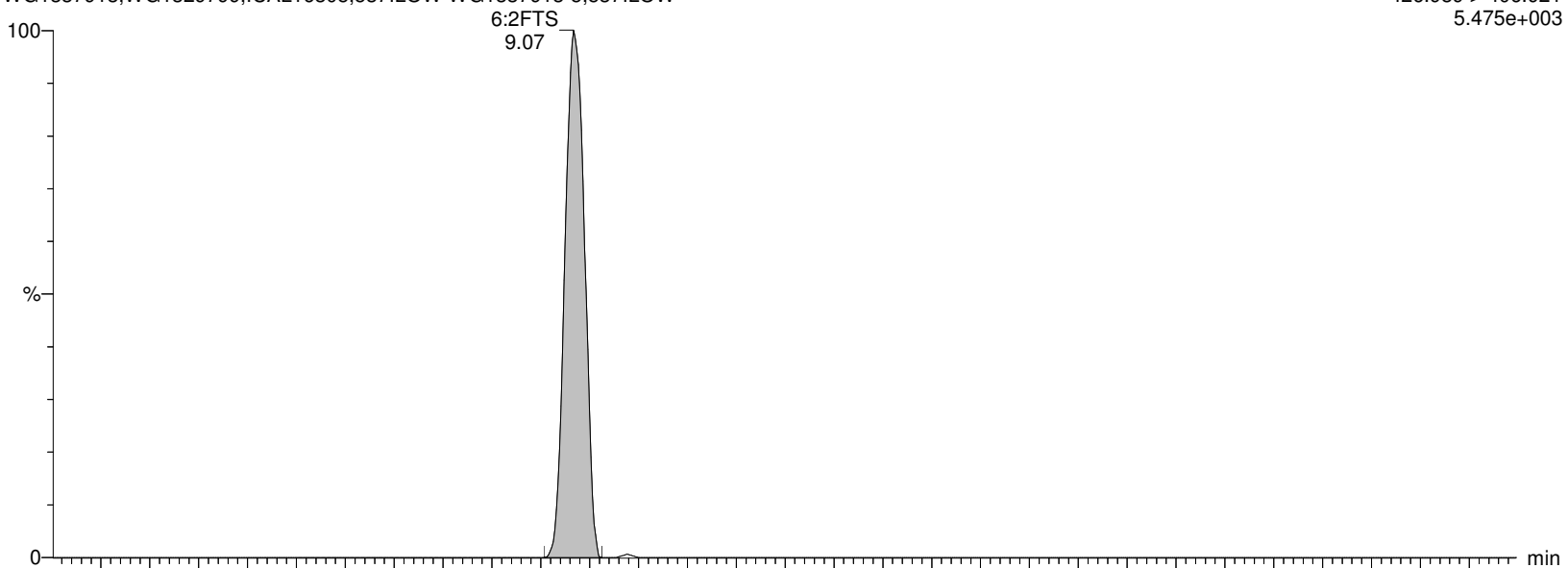
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F23:MRM of 3 channels,ES-

426.989 > 406.921

5.475e+003



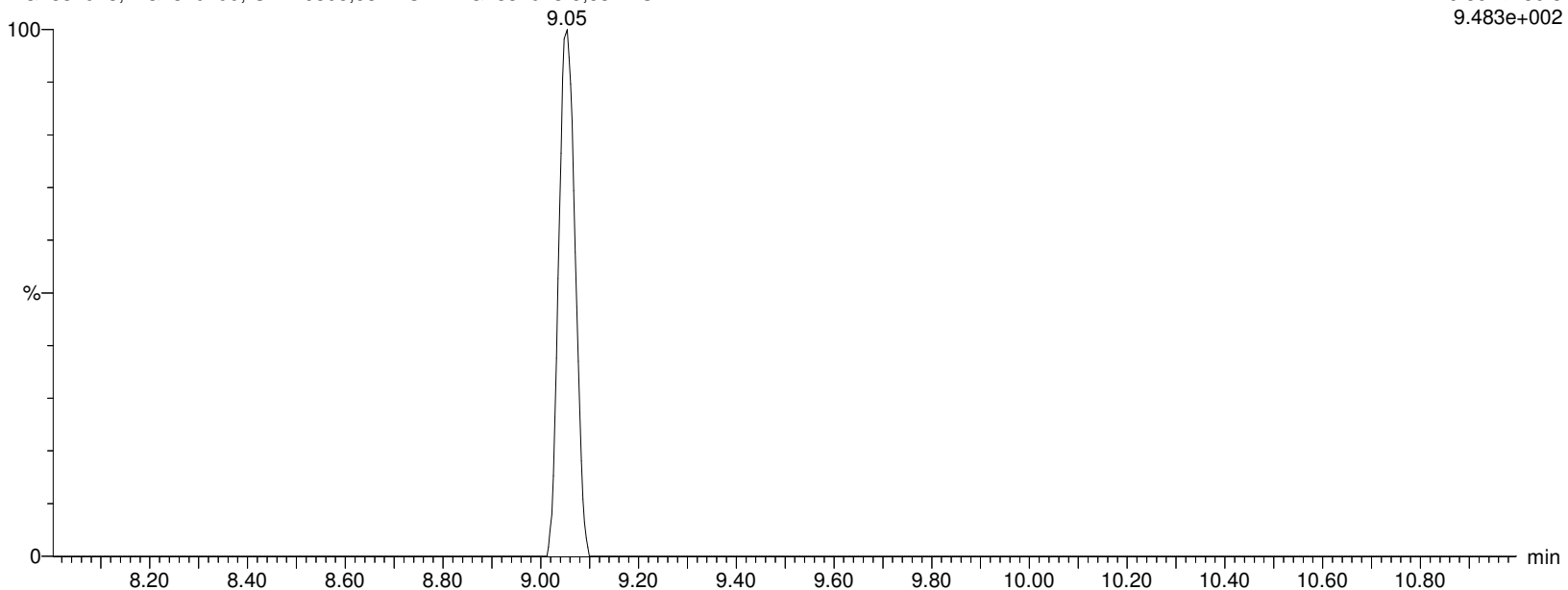
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F23:MRM of 3 channels,ES-

426.862 > 80.5

9.483e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

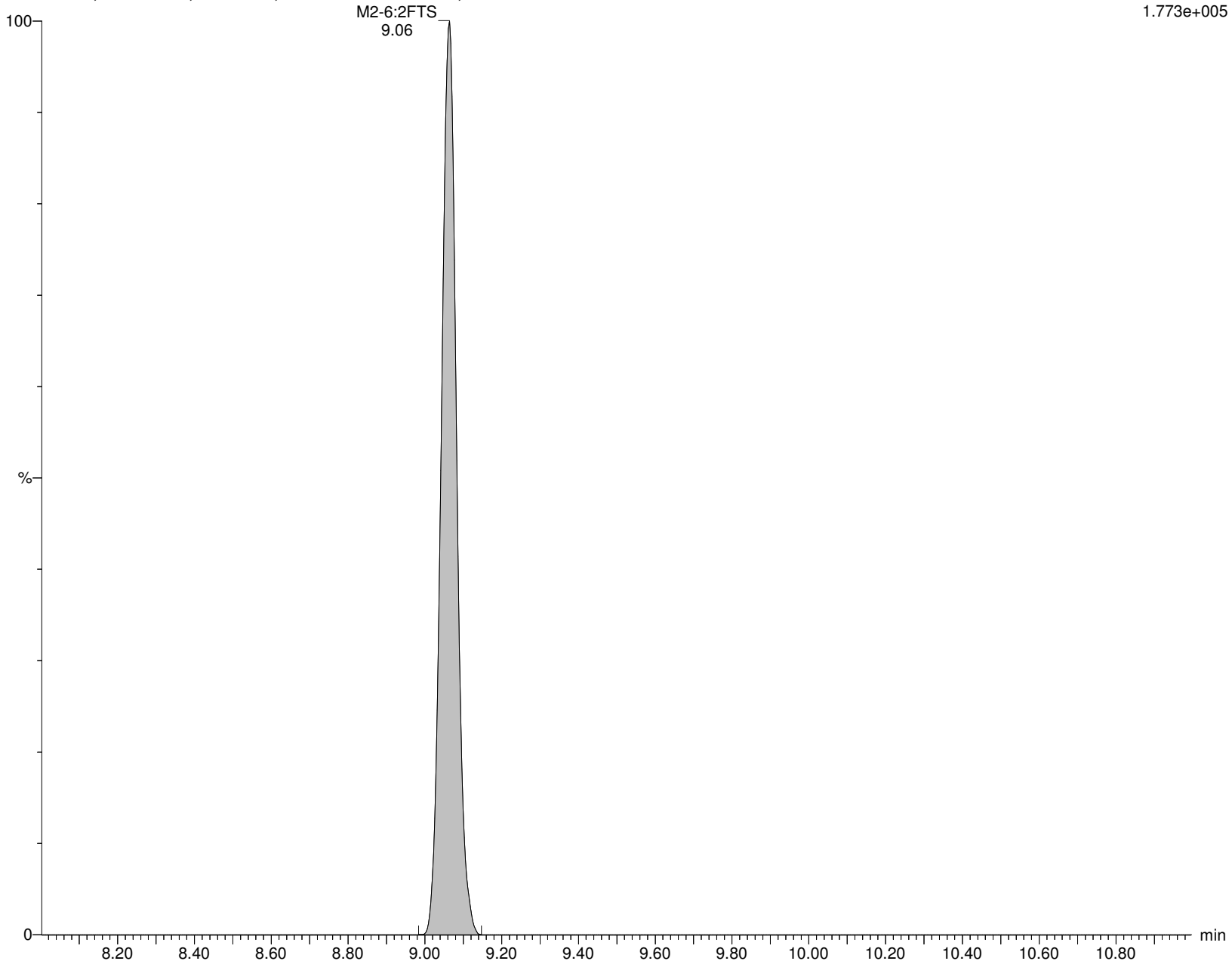
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.773e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

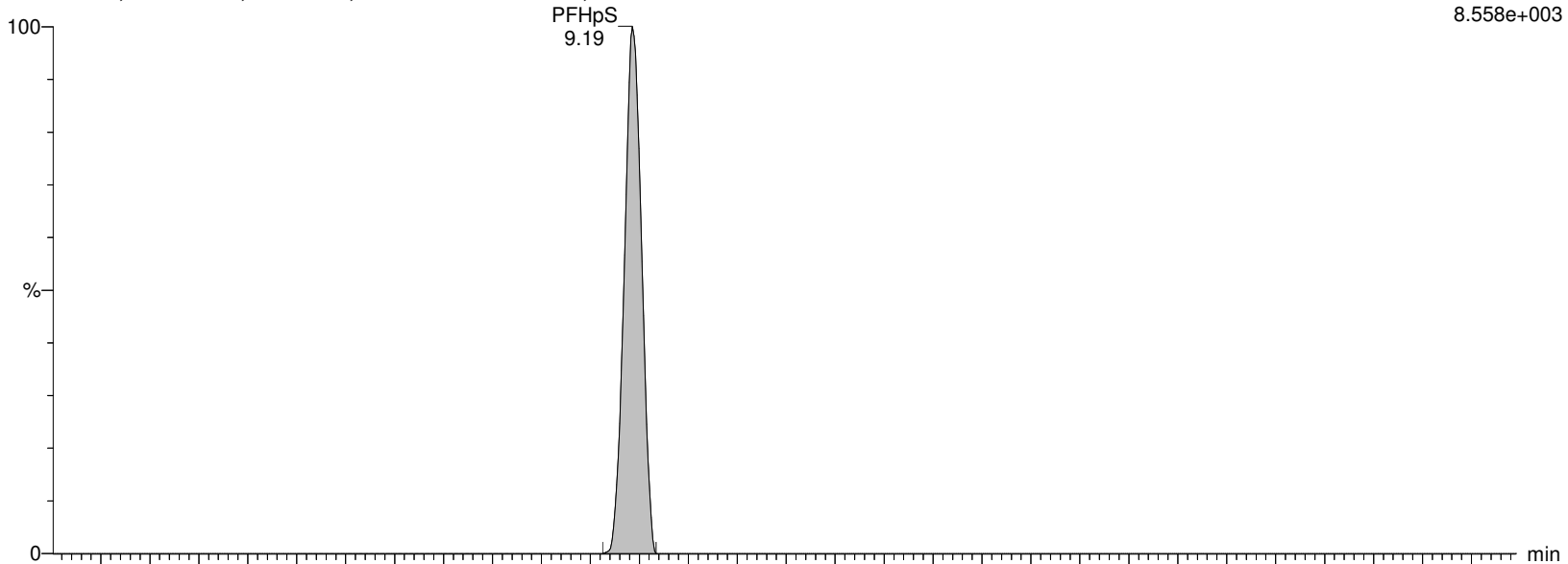
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F25:MRM of 2 channels, ES-

448.926 > 80.257

8.558e+003



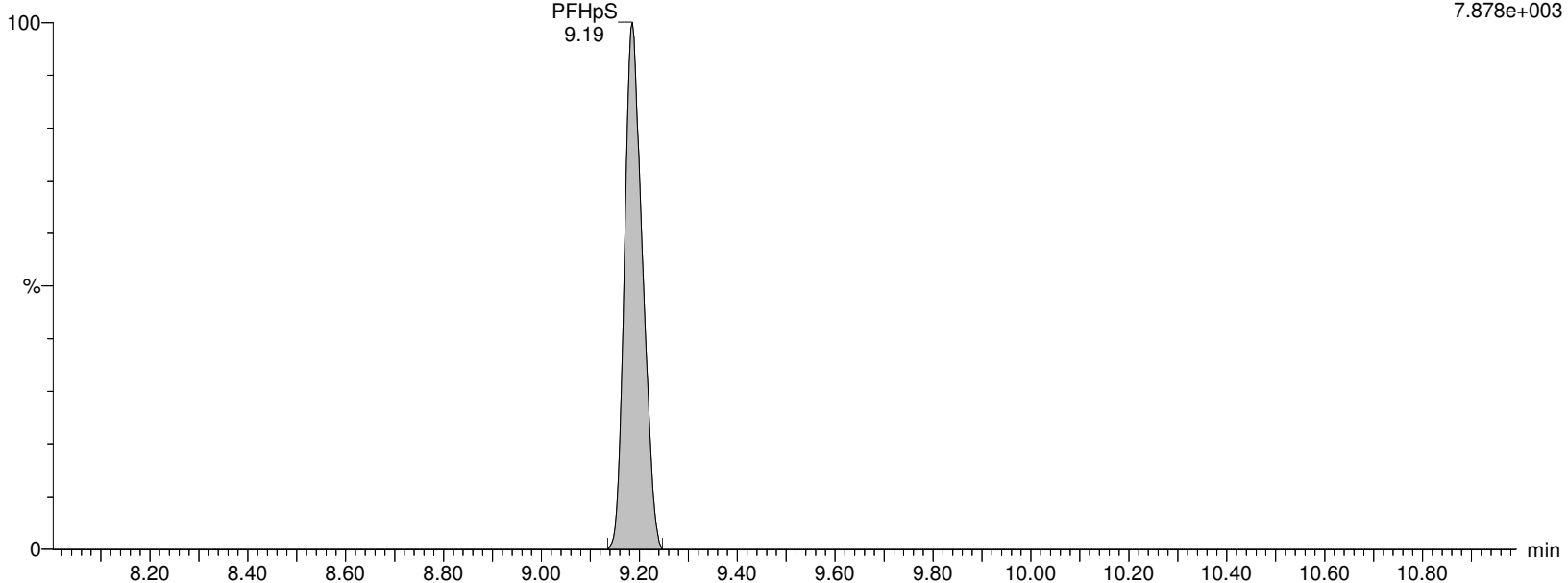
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F25:MRM of 2 channels, ES-

448.926 > 99.22

7.878e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

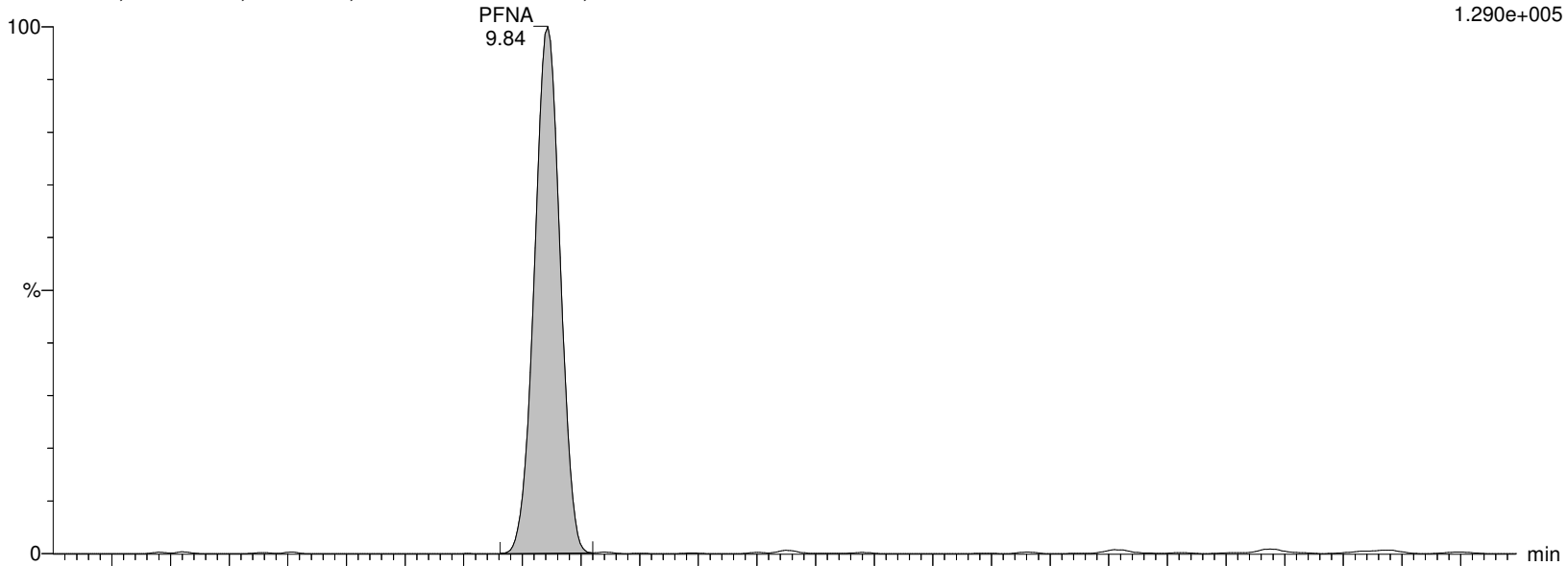
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F26:MRM of 2 channels, ES-

462.989 > 418.931

1.290e+005



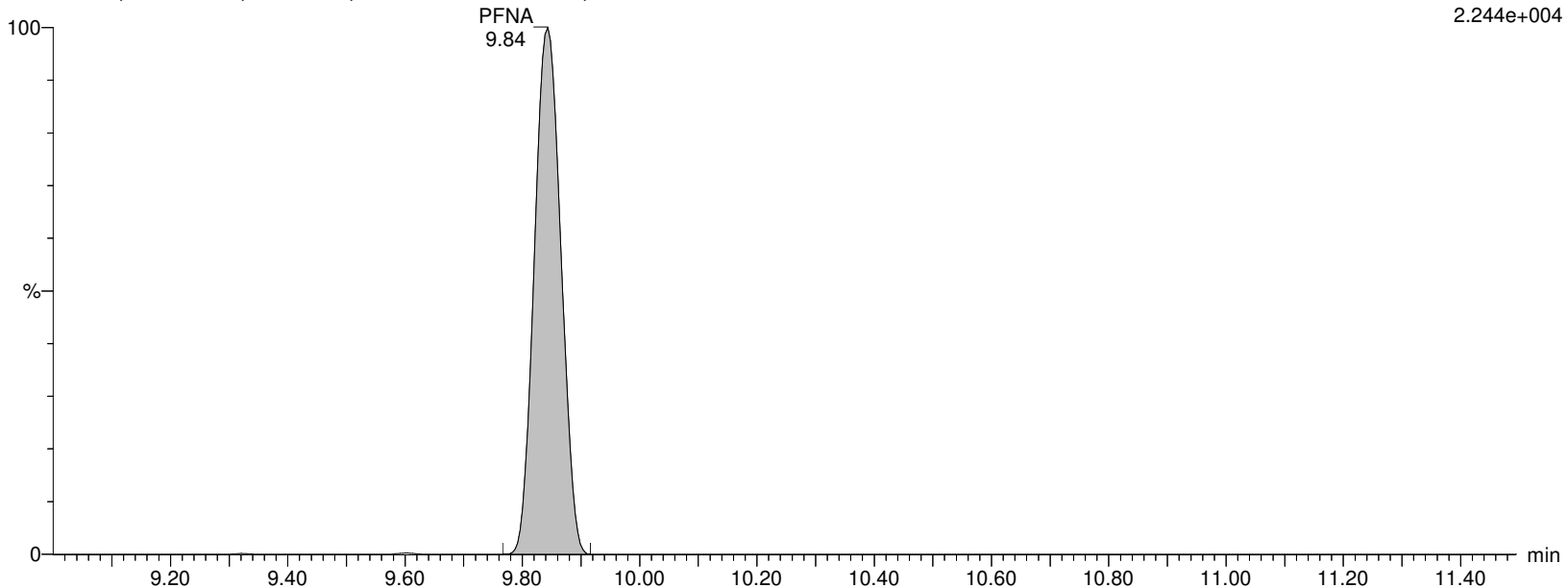
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F26:MRM of 2 channels, ES-

462.989 > 219.04

2.244e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

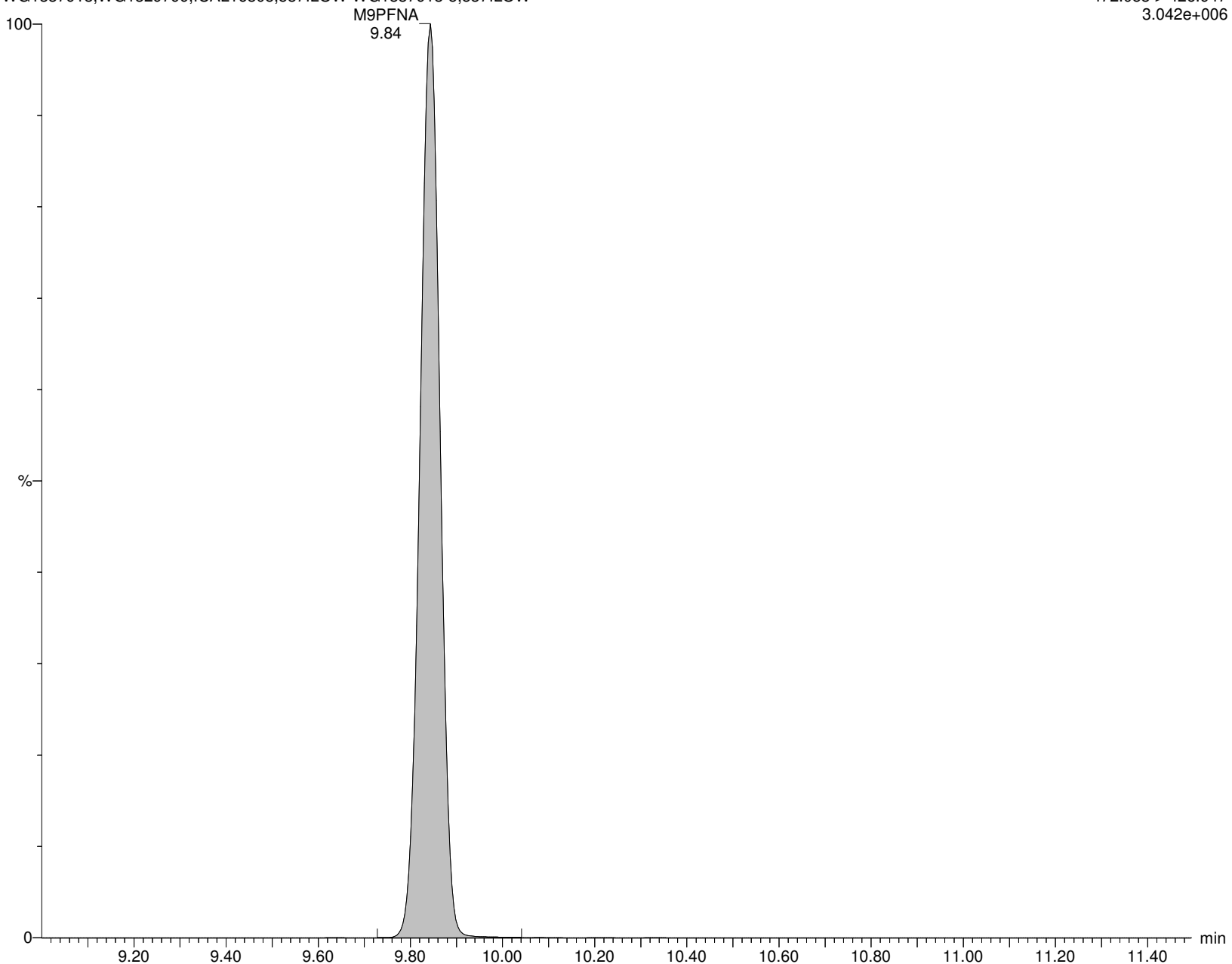
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F27:MRM of 1 channel,ES-

472.053 > 426.947

3.042e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

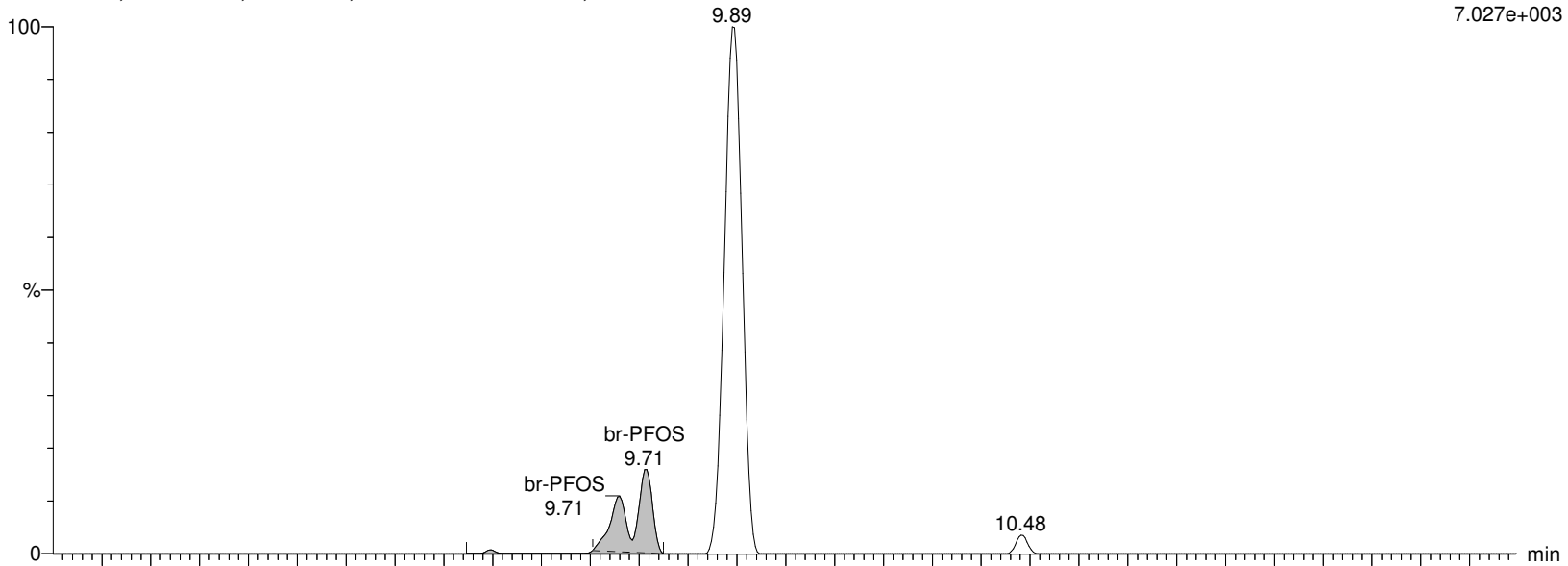
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.027e+003



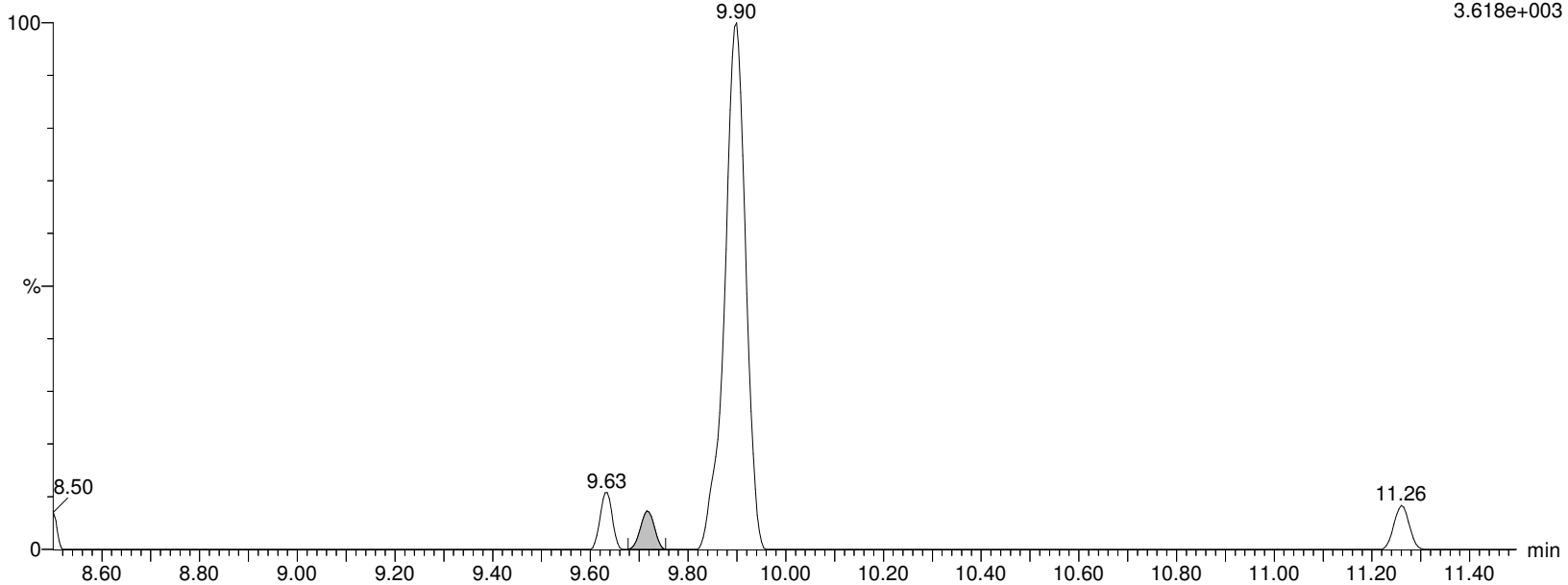
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.618e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

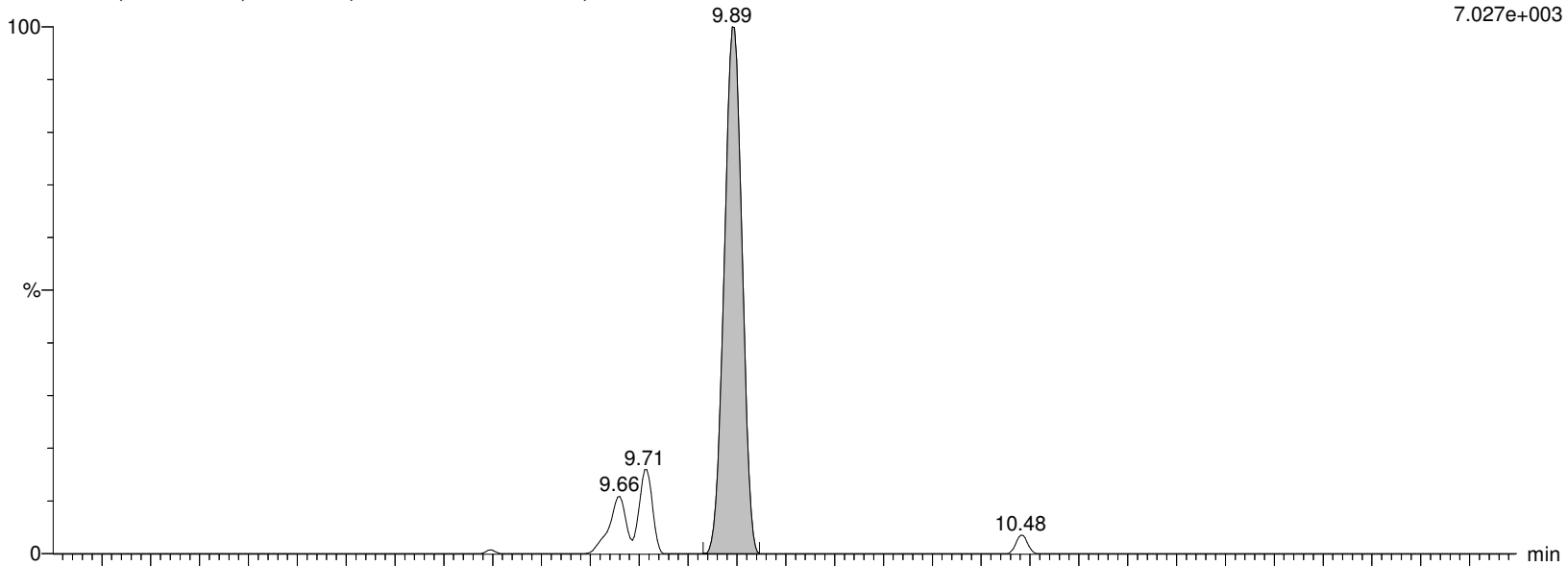
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.027e+003



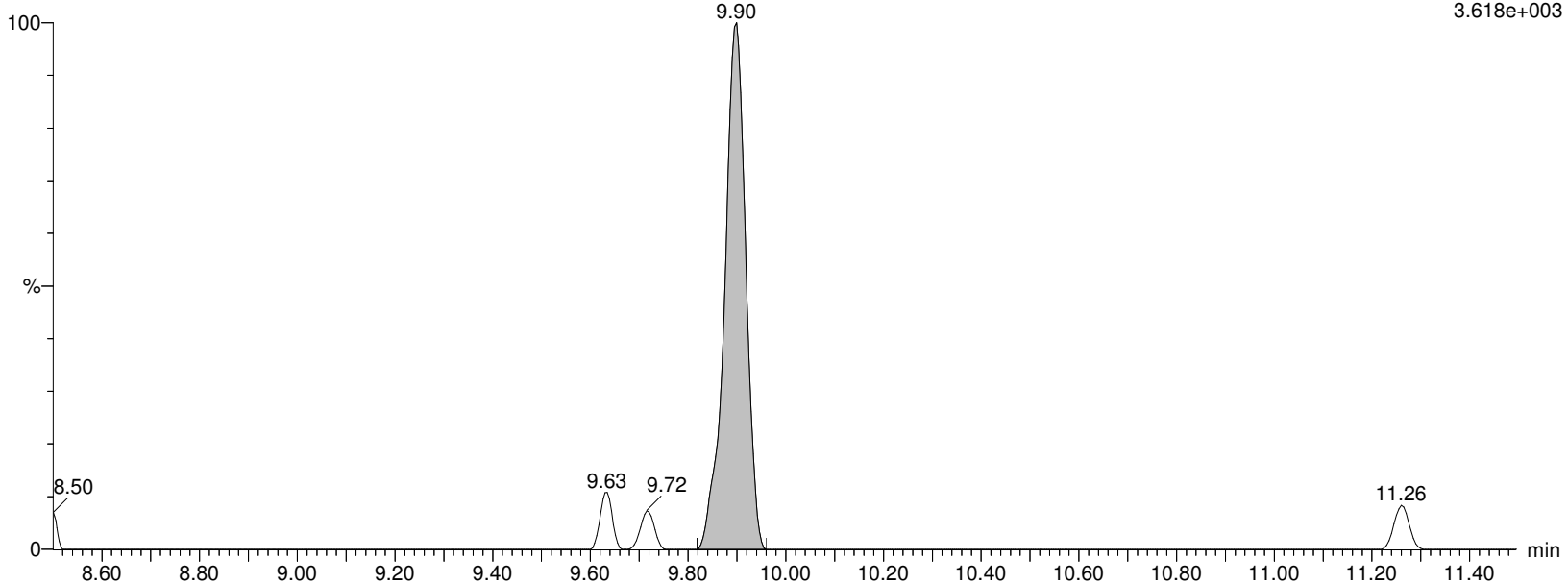
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.618e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

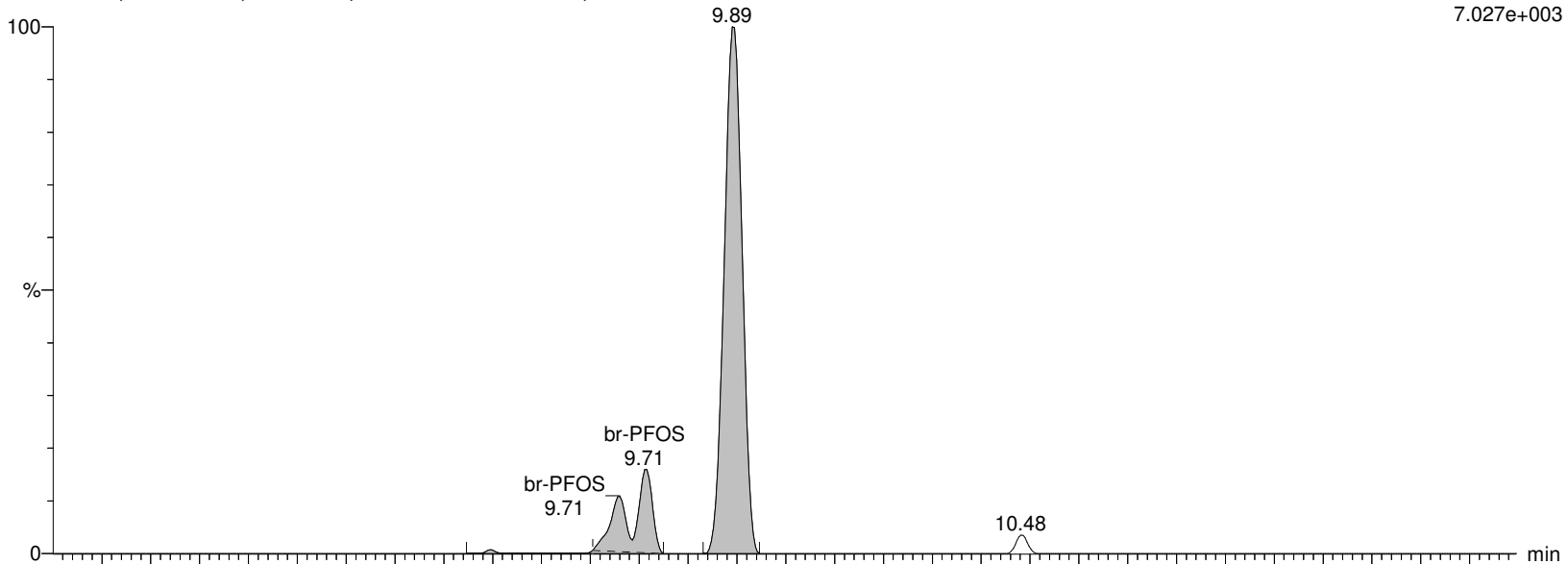
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 80.294

7.027e+003



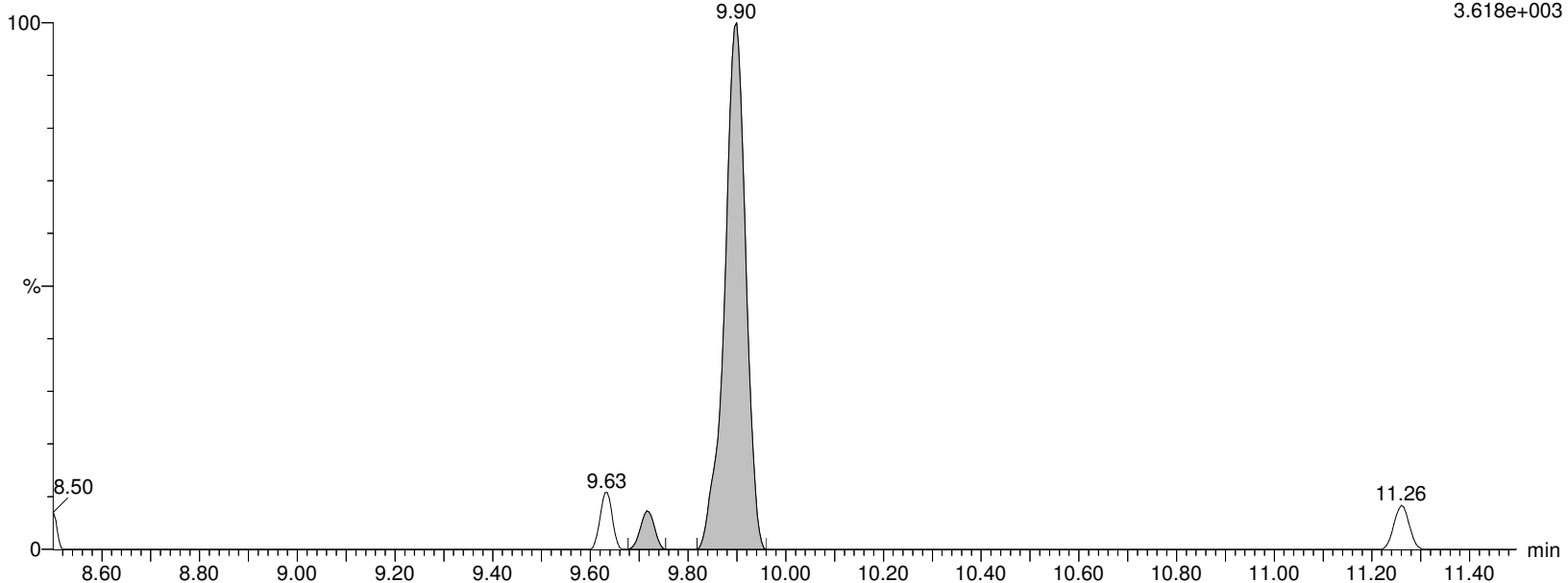
I18710 Smooth(Mn,3x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW L-PFOS

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.618e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M4PFOS

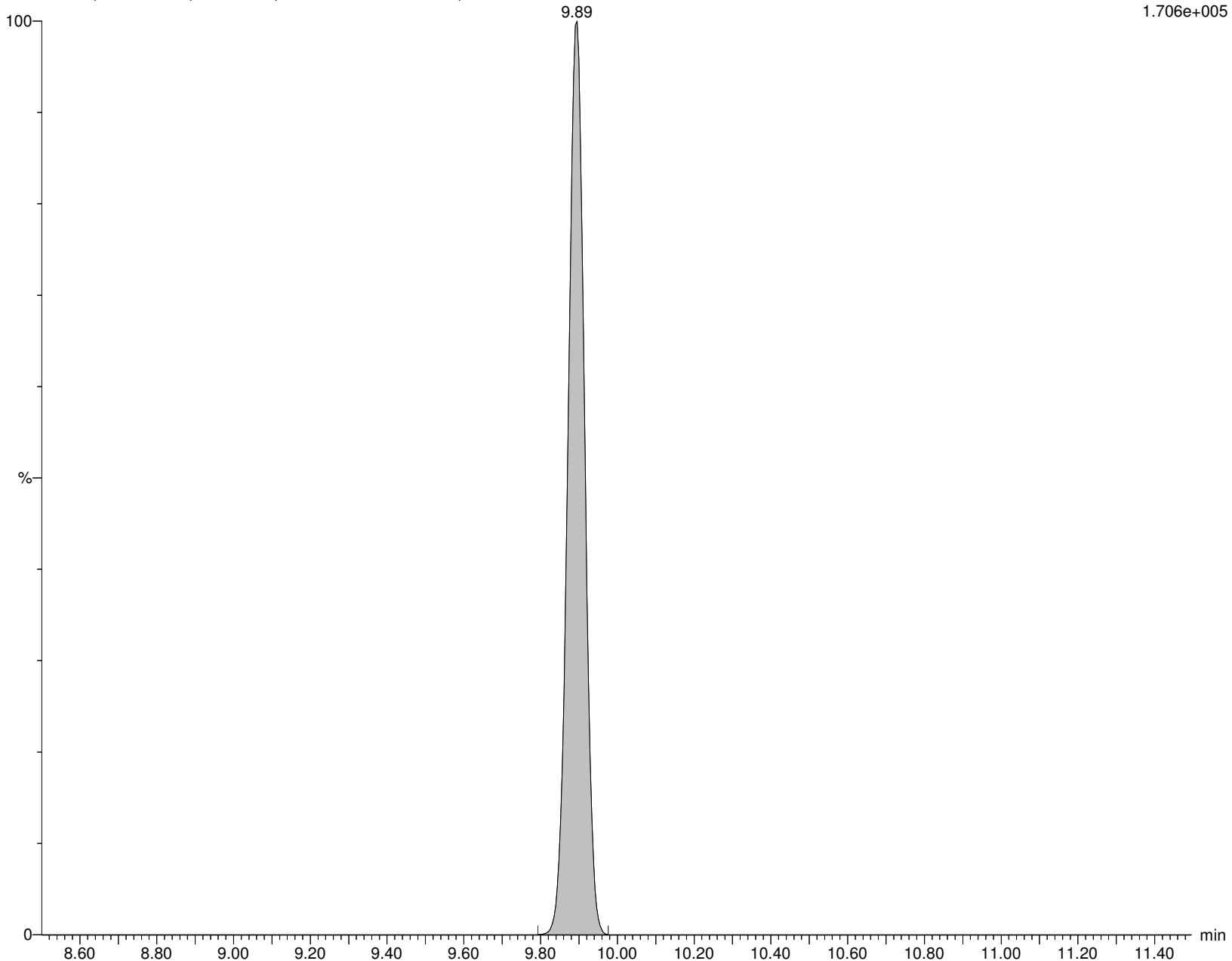
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW M4PFOS

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.706e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOS

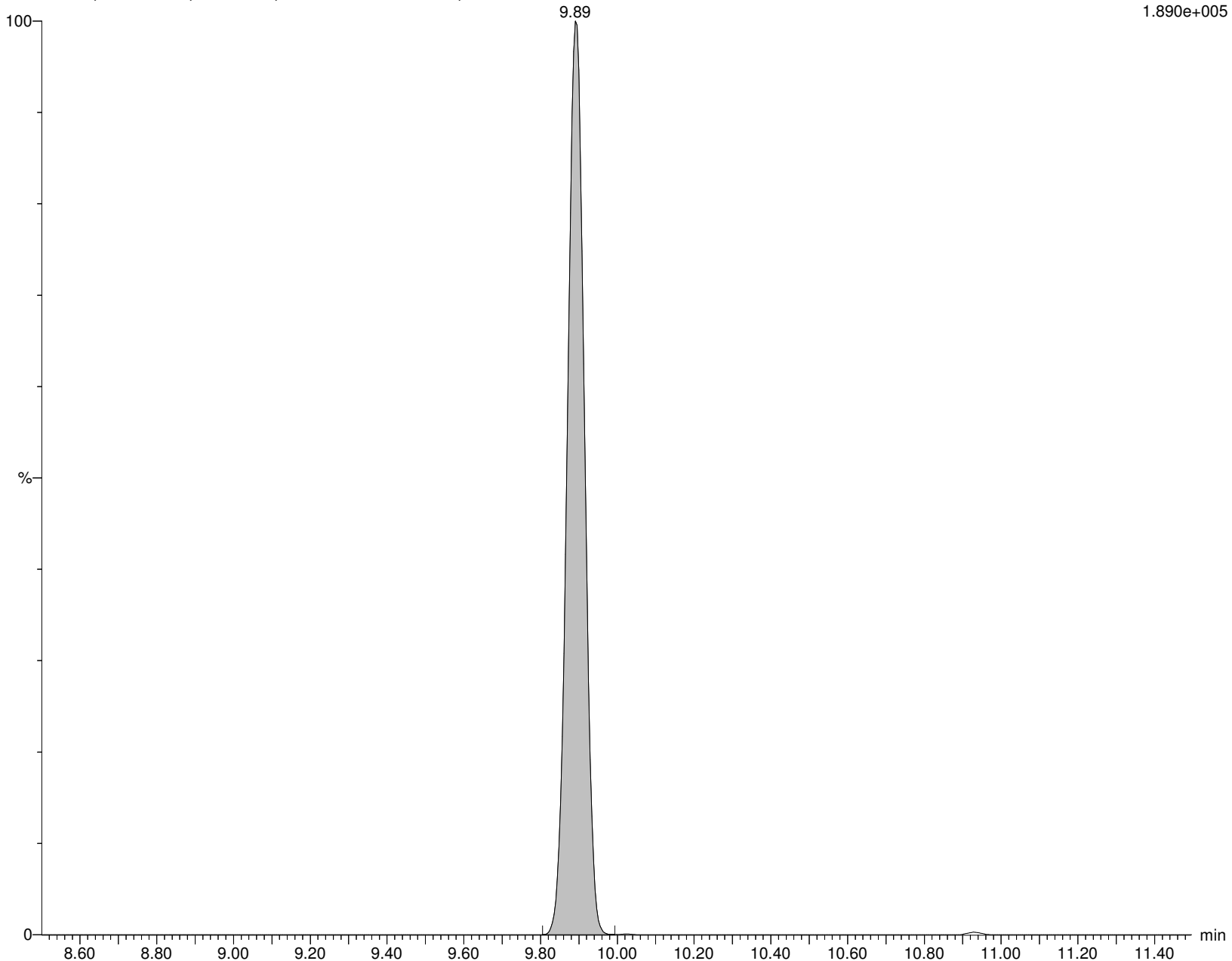
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW M8PFOS

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.890e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

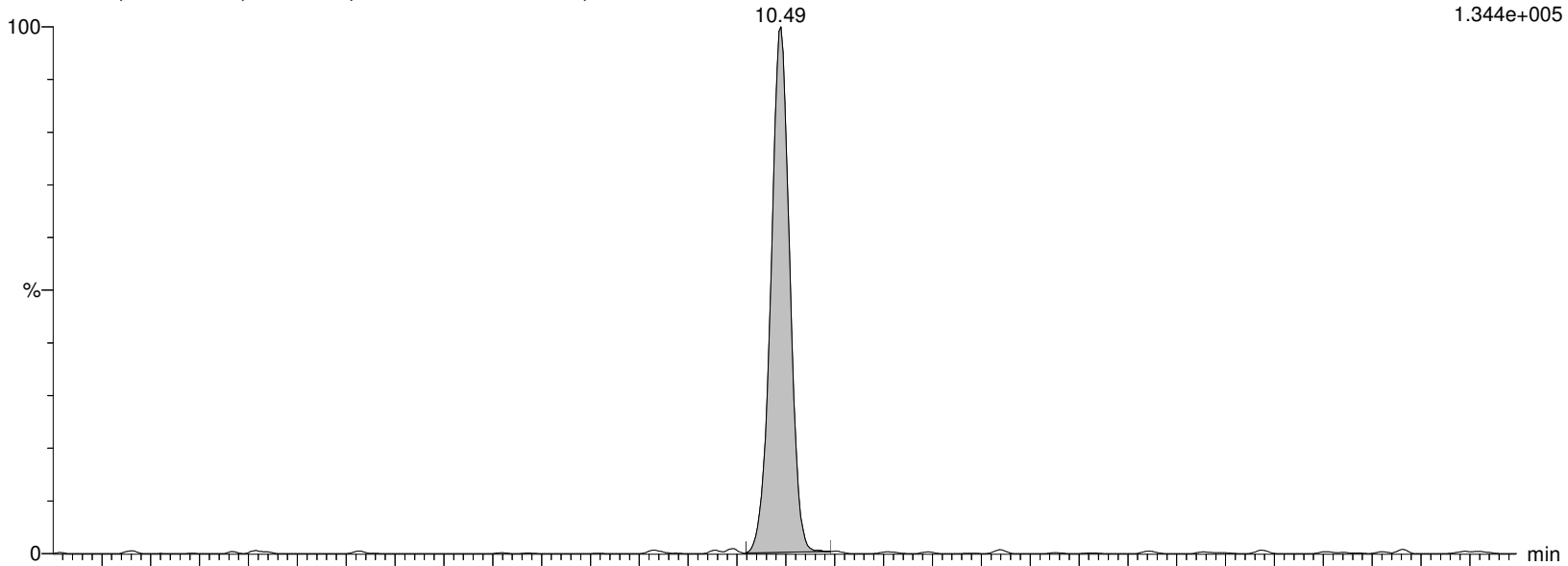
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F34:MRM of 2 channels,ES-

513.053 > 468.906

1.344e+005



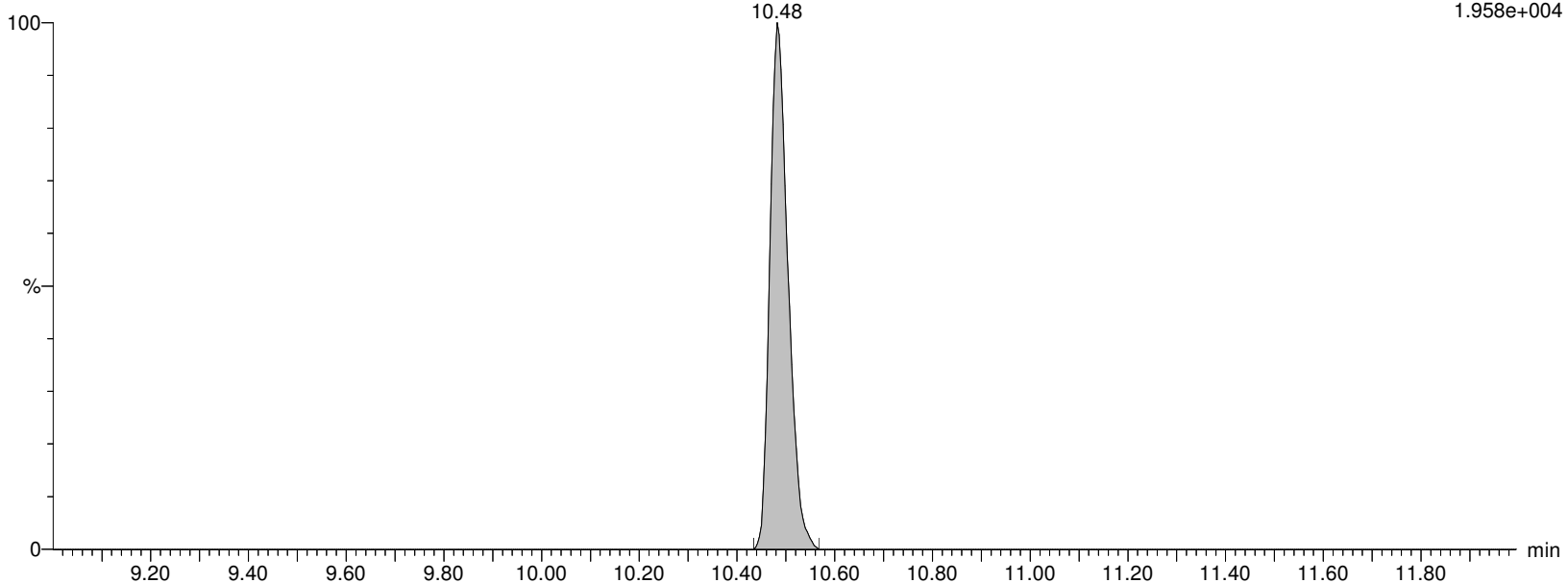
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F34:MRM of 2 channels,ES-

513.053 > 219.08

1.958e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

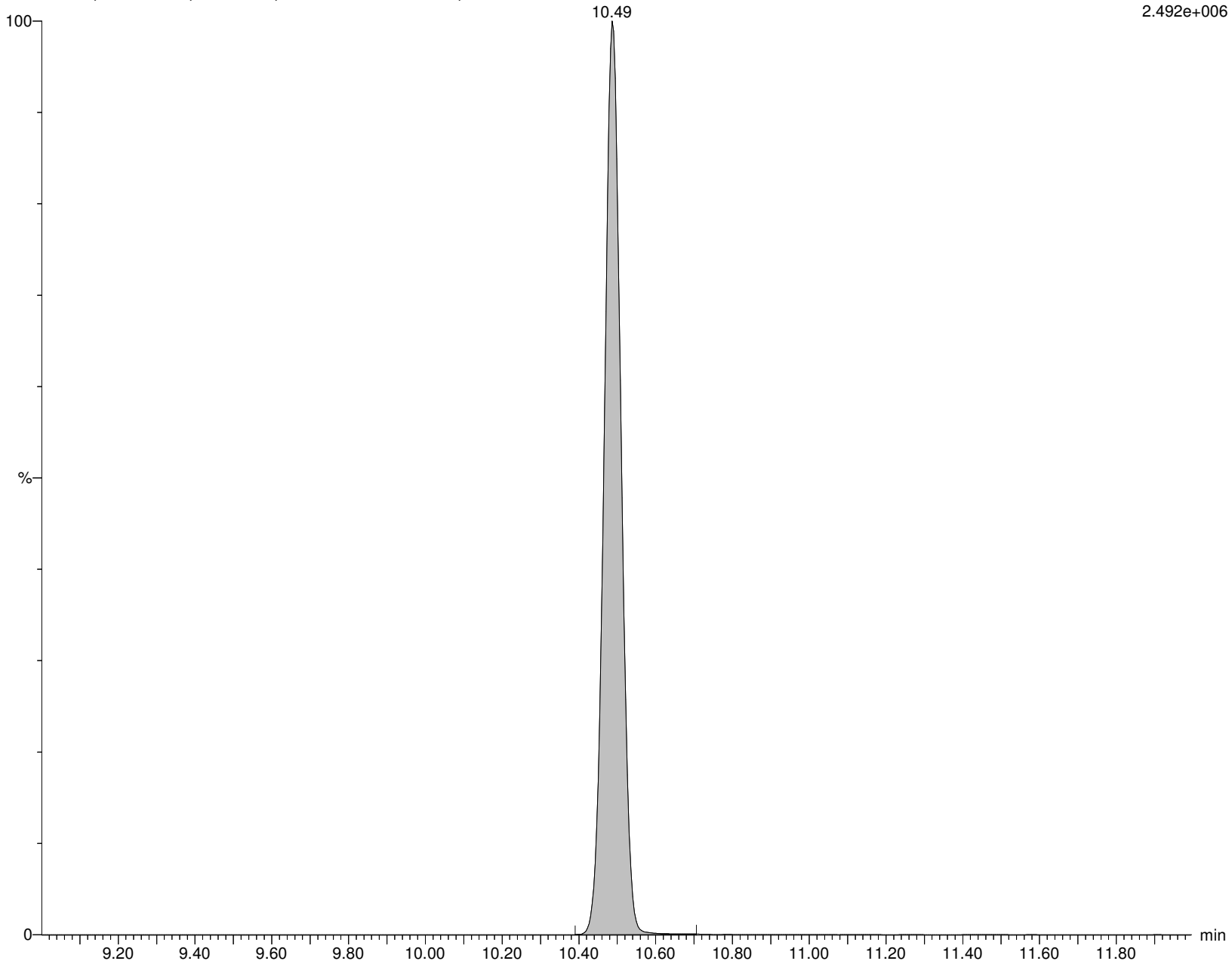
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.492e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

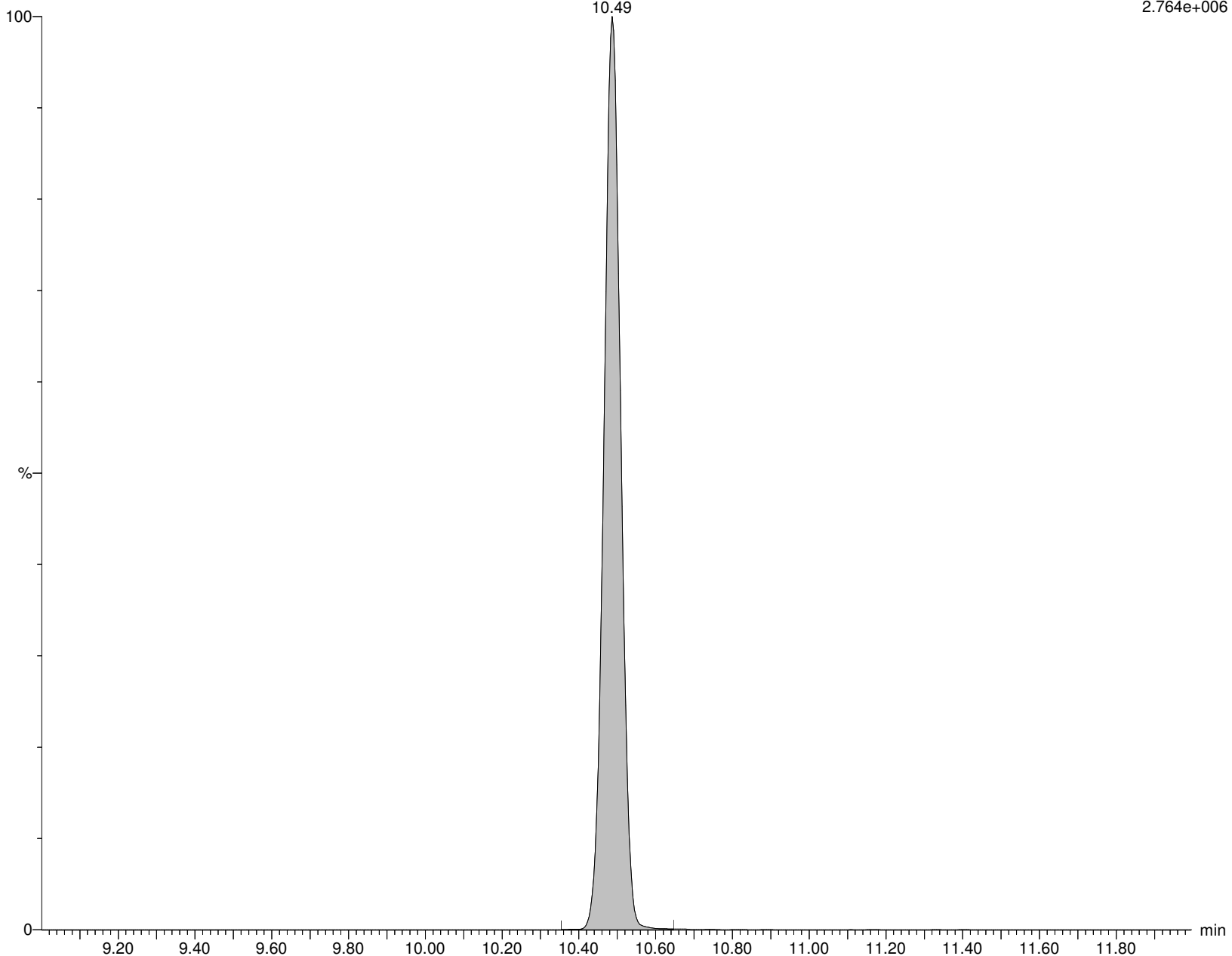
M6PFDA

10.49

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.764e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

8:2FTS

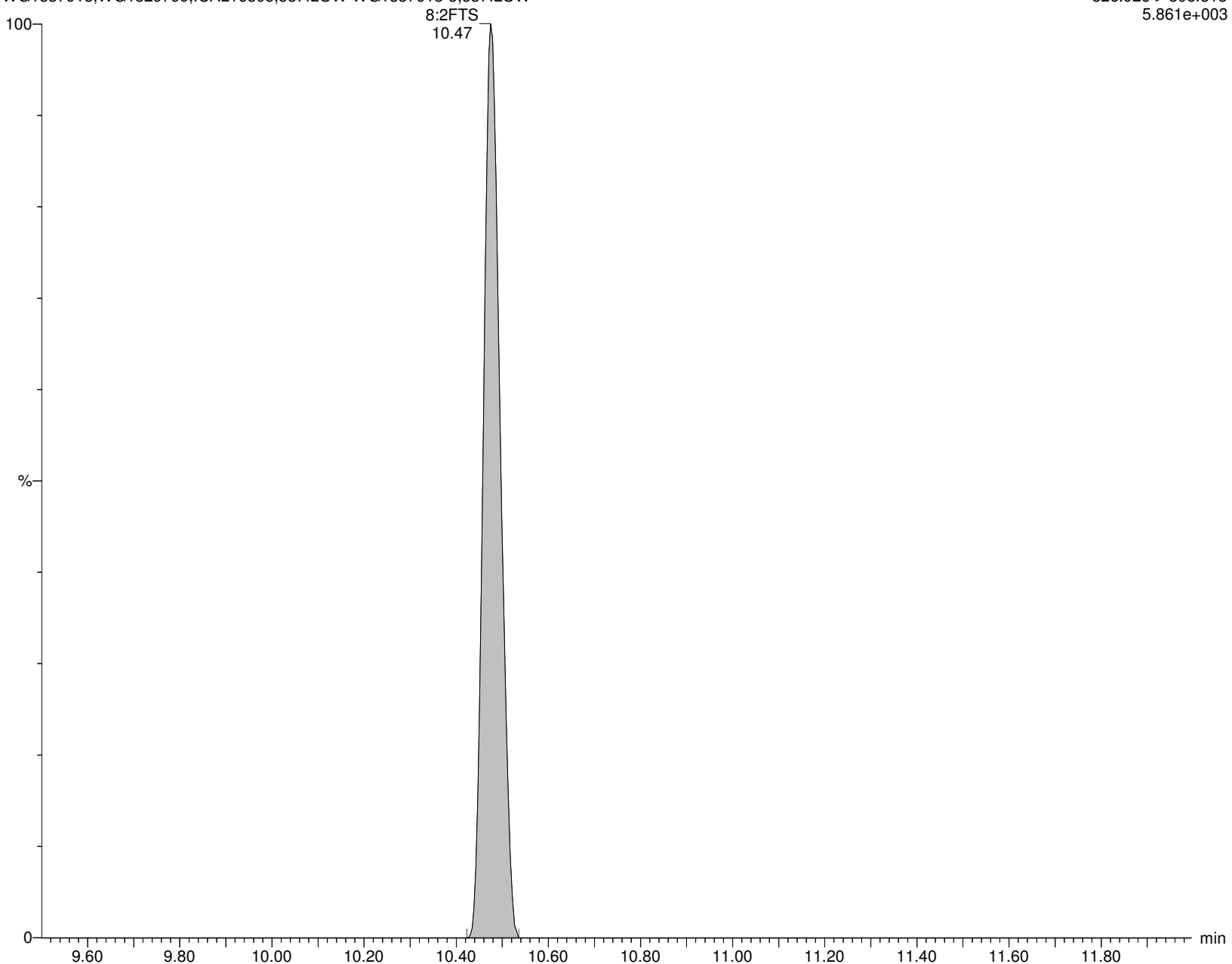
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F39:MRM of 2 channels, ES-

526.926 > 506.818

5.861e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

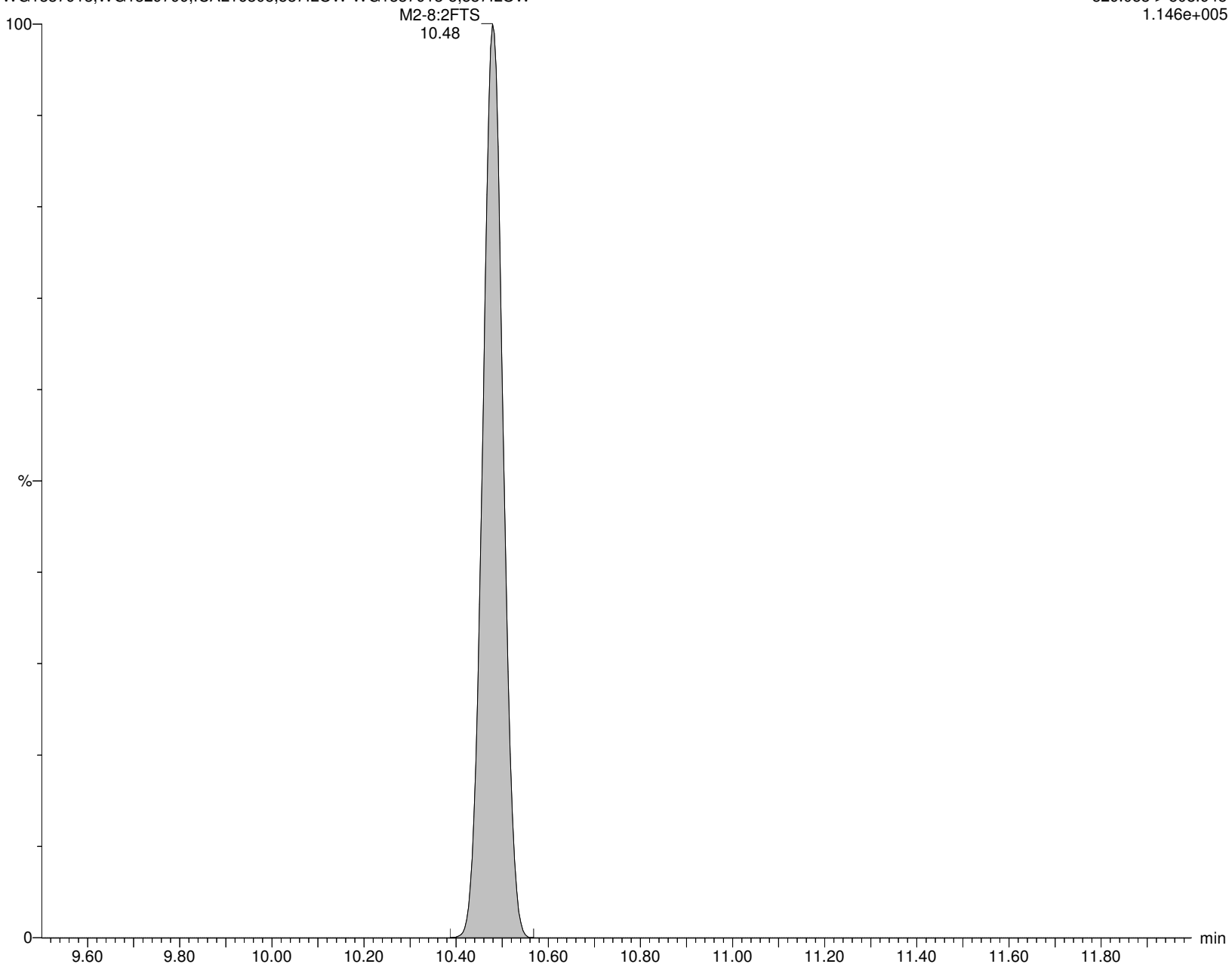
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F40:MRM of 2 channels, ES-

529.053 > 508.945

1.146e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNS

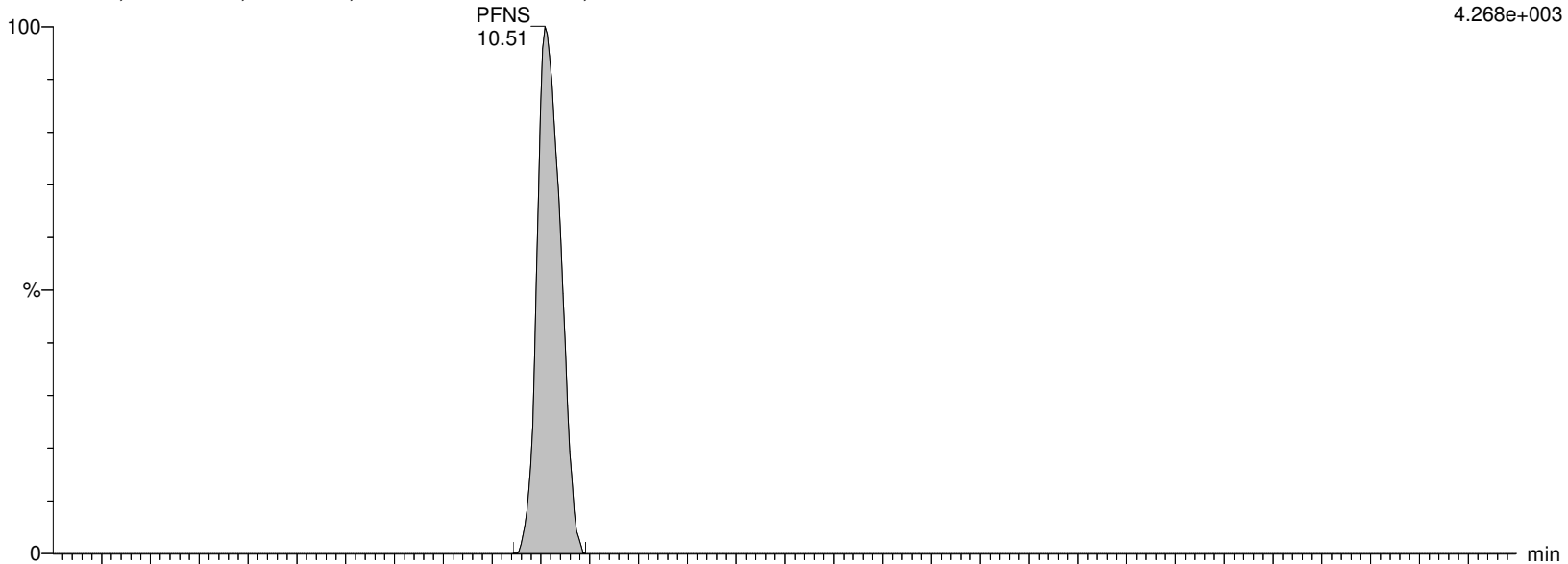
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F43:MRM of 2 channels,ES-

548.989 > 80.249

4.268e+003



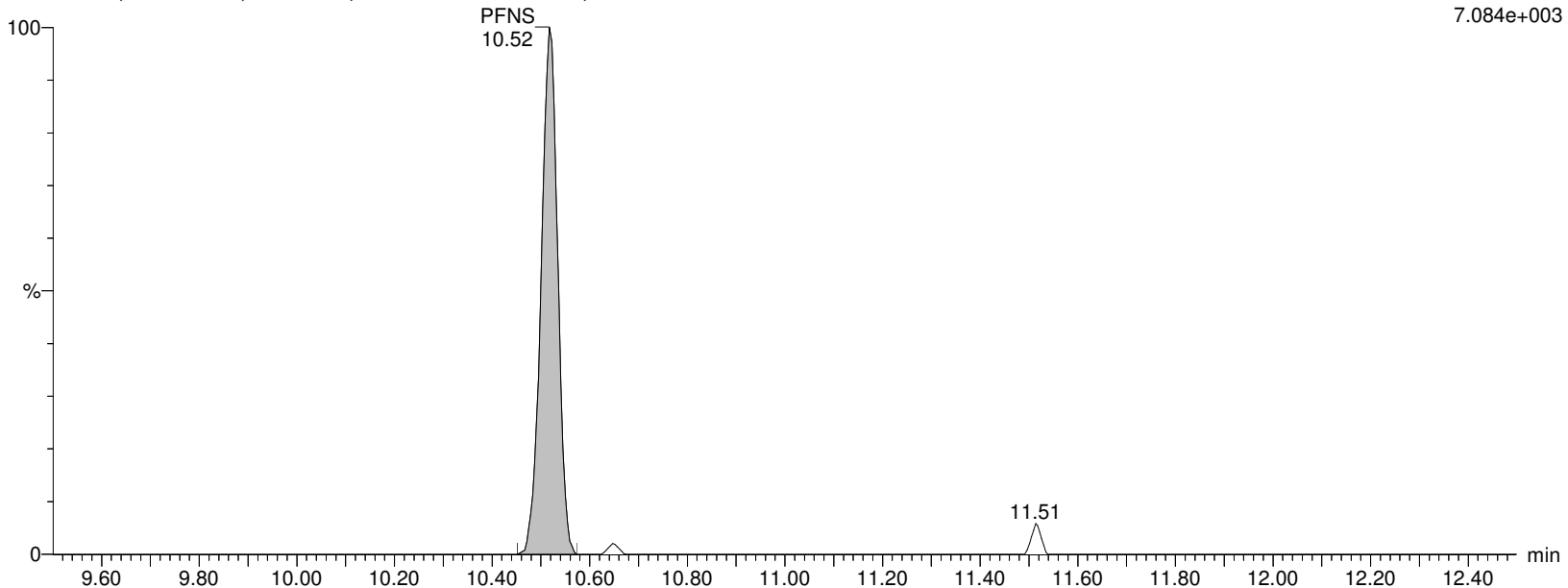
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F43:MRM of 2 channels,ES-

548.989 > 99.22

7.084e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

I18710 Smooth(Mn,2x3)

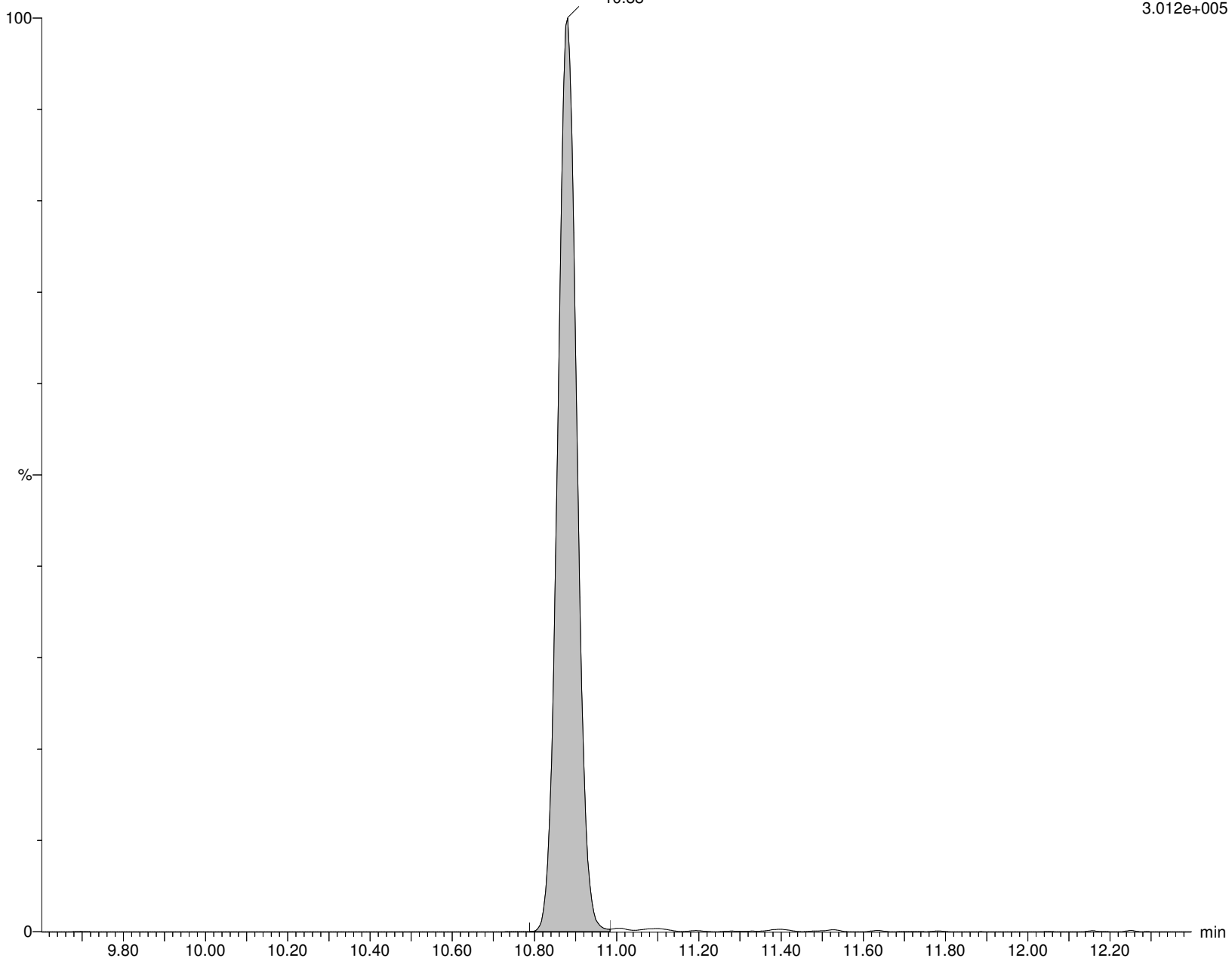
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

d3-NMeFOSAA
10.88

F47:MRM of 1 channel, ES-

573.096 > 418.987

3.012e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

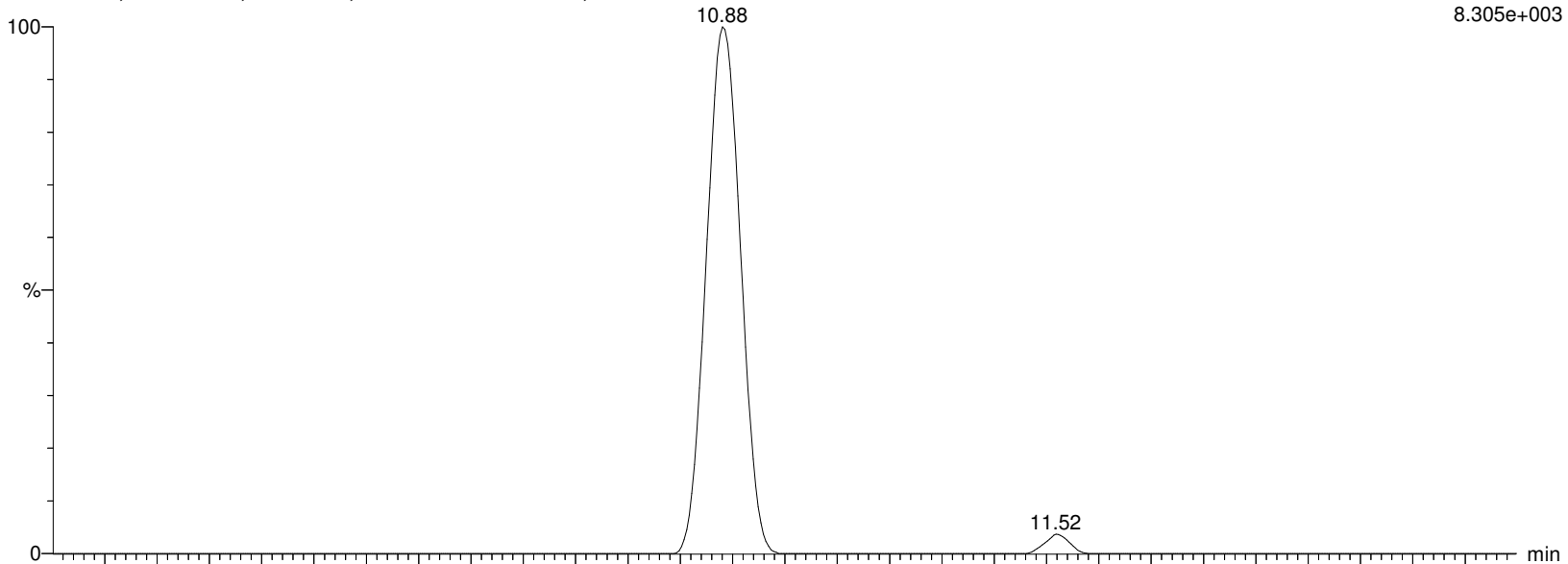
I18710 Smooth(Mn,2x5)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F45:MRM of 2 channels,ES-

570.053 > 418.917

8.305e+003



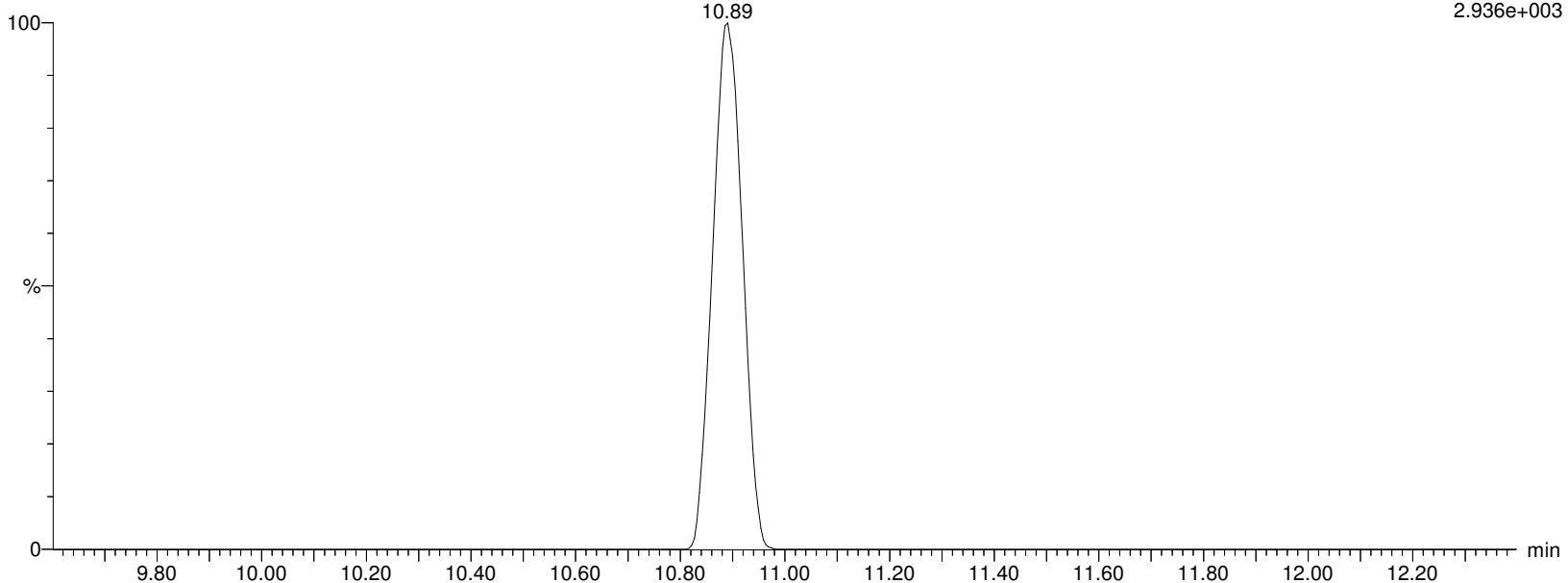
I18710 Smooth(Mn,2x5)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

I18710 Smooth(Mn,2x5)

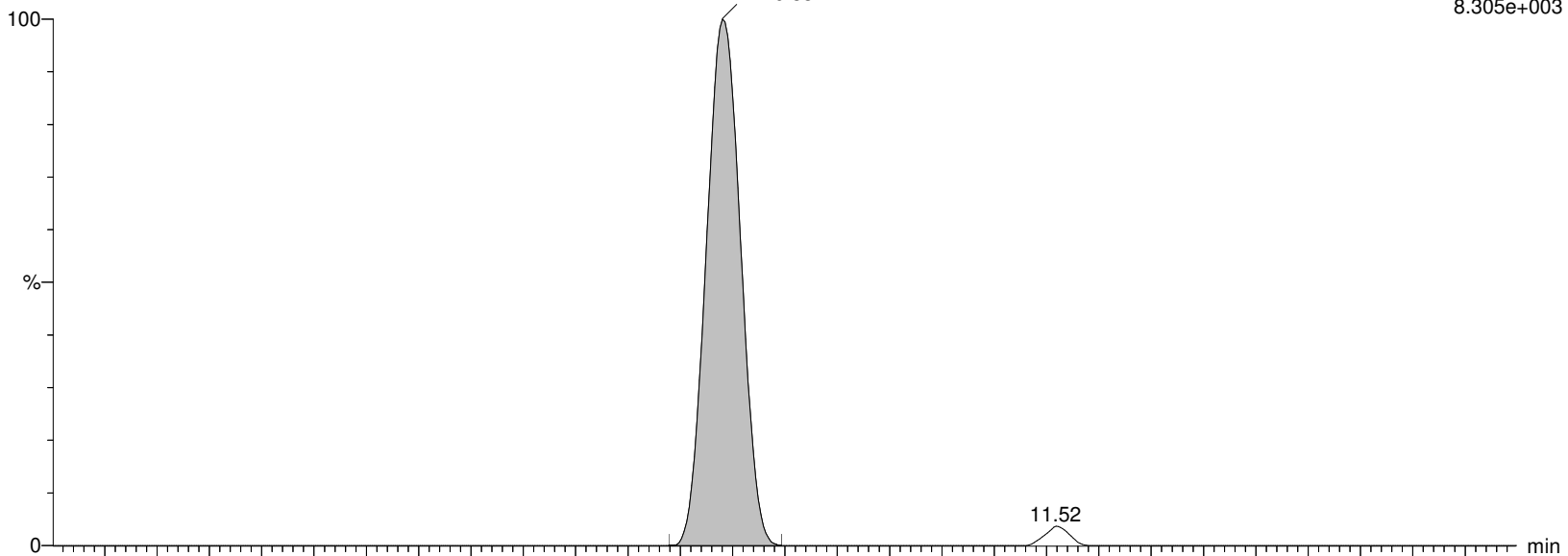
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

L-NMeFOSAA
10.88

F45:MRM of 2 channels, ES-

570.053 > 418.917

8.305e+003



I18710 Smooth(Mn,2x5)

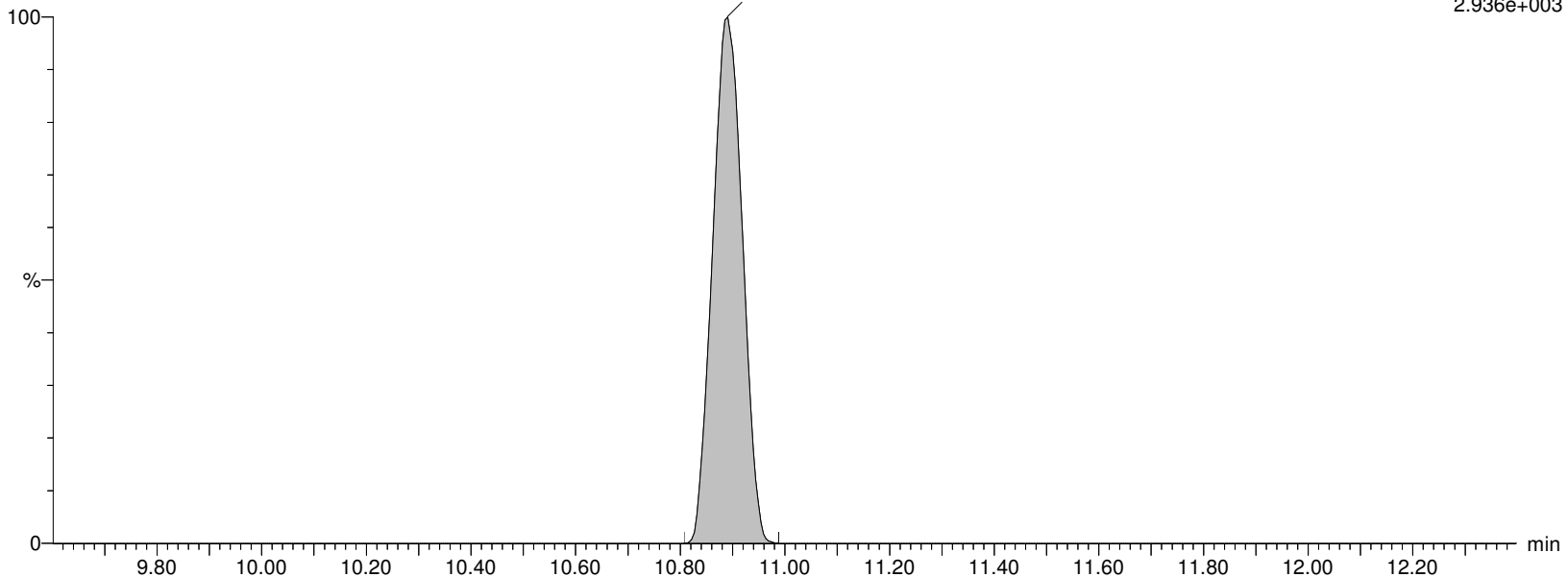
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

L-NMeFOSAA
10.89

F45:MRM of 2 channels, ES-

569.862 > 482.77

2.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

I18710 Smooth(Mn,2x5)

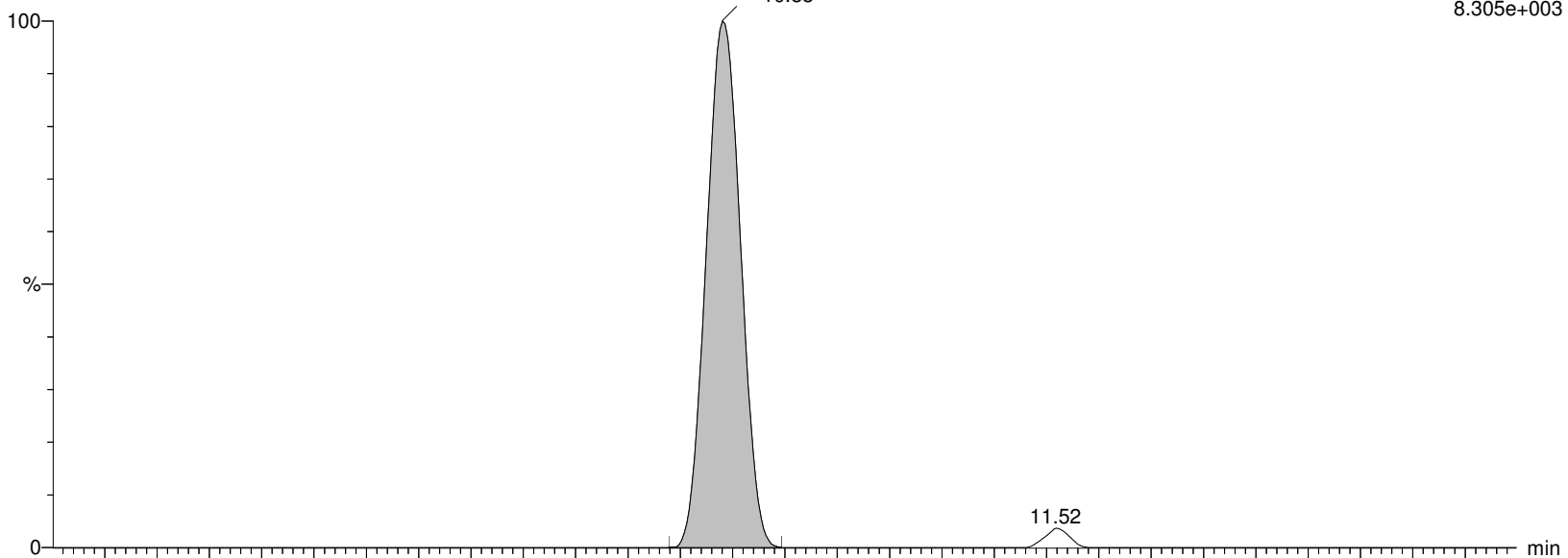
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

L-NMeFOSAA
10.88

F45:MRM of 2 channels,ES-

570.053 > 418.917

8.305e+003



I18710 Smooth(Mn,2x5)

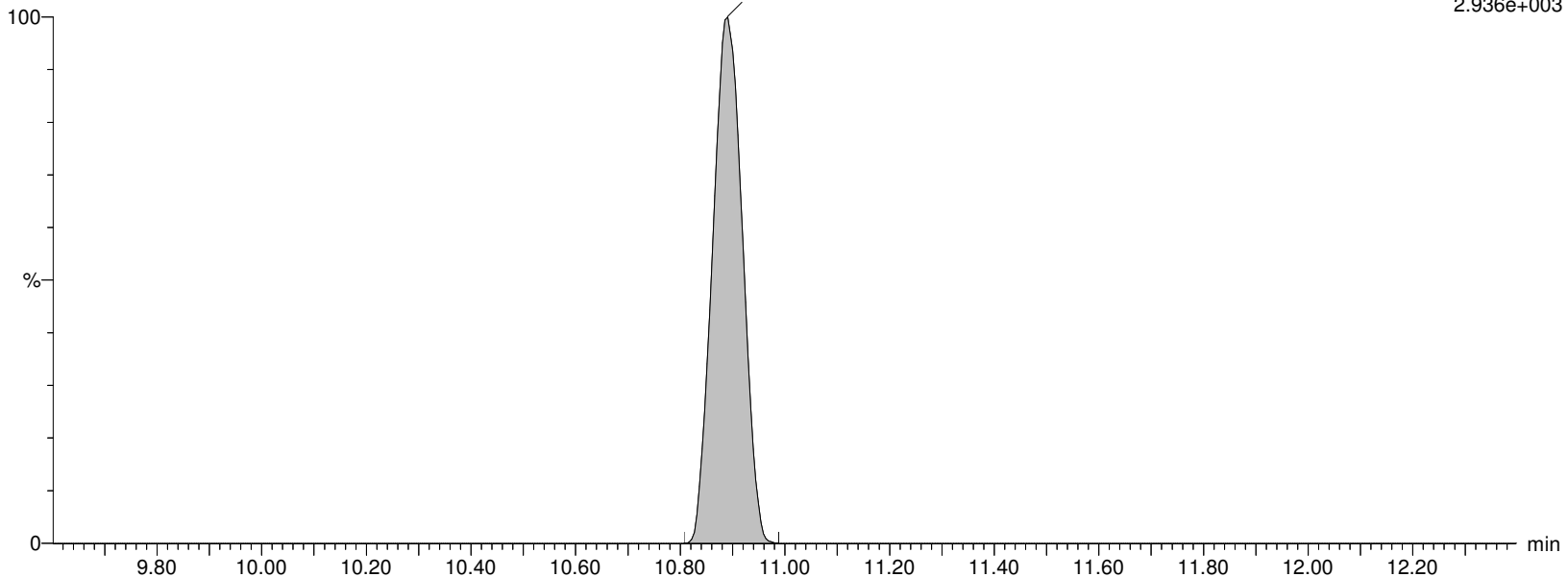
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

L-NMeFOSAA
10.89

F45:MRM of 2 channels,ES-

569.862 > 482.77

2.936e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

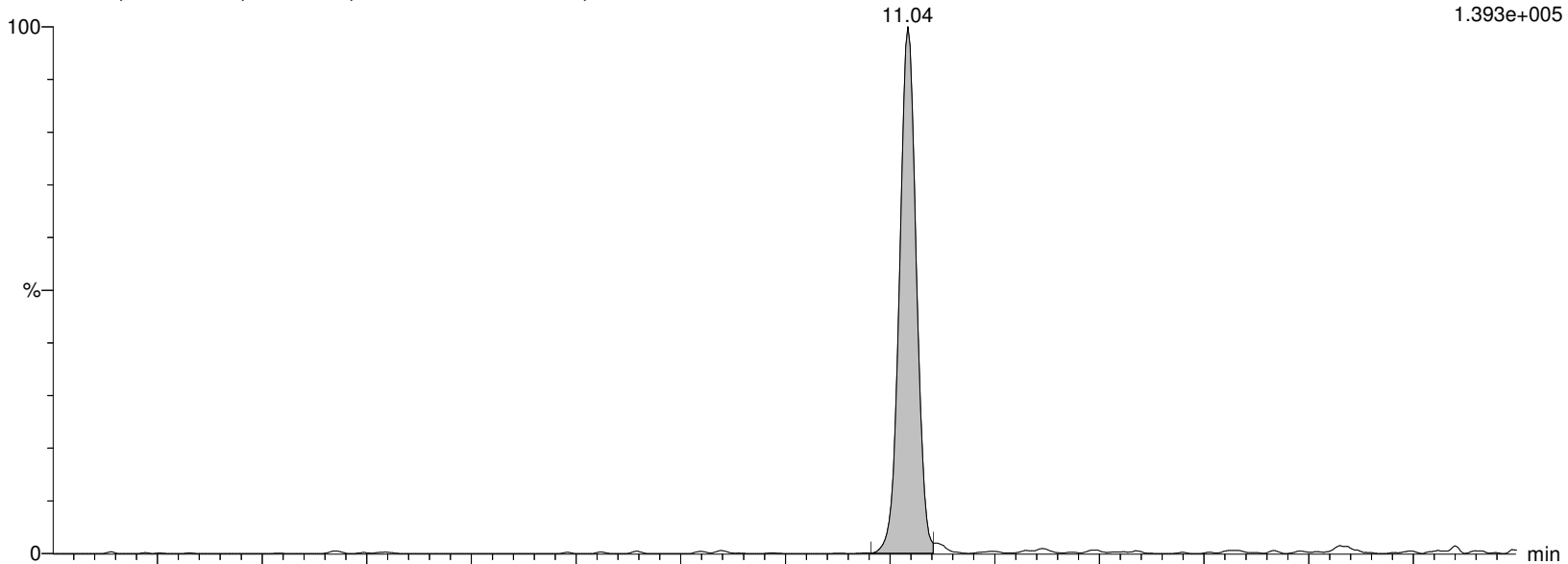
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 518.903

1.393e+005



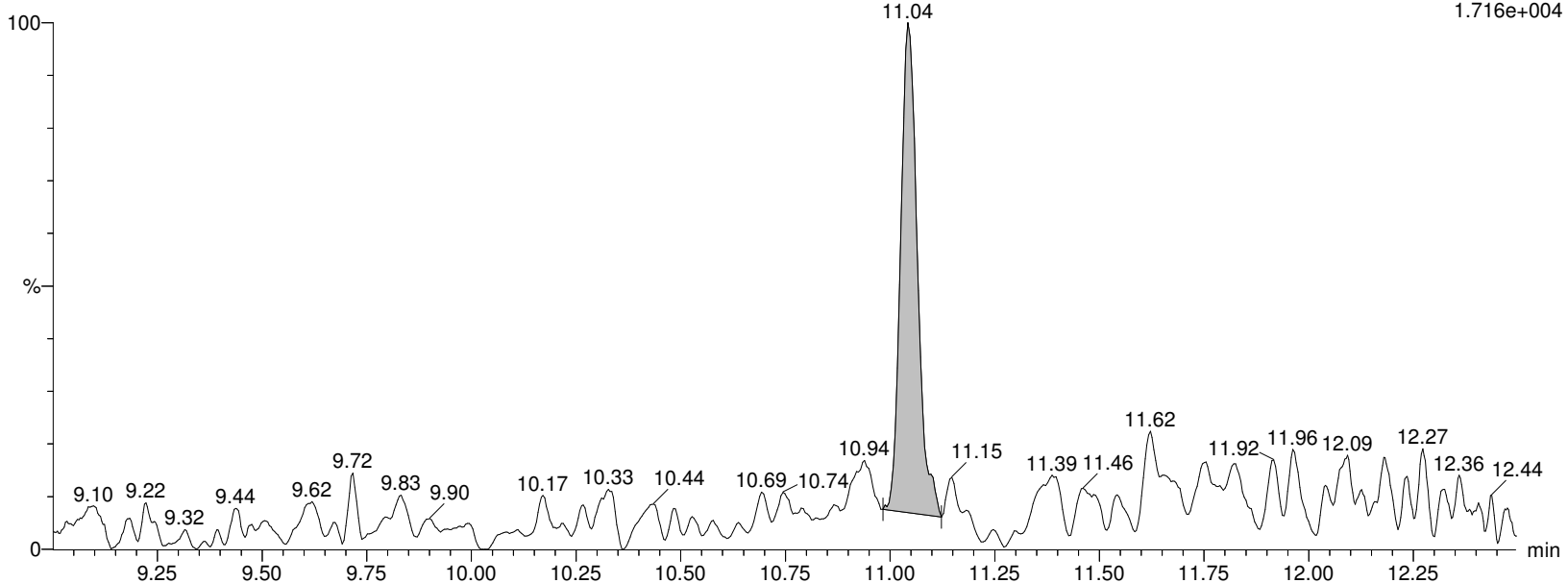
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.716e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

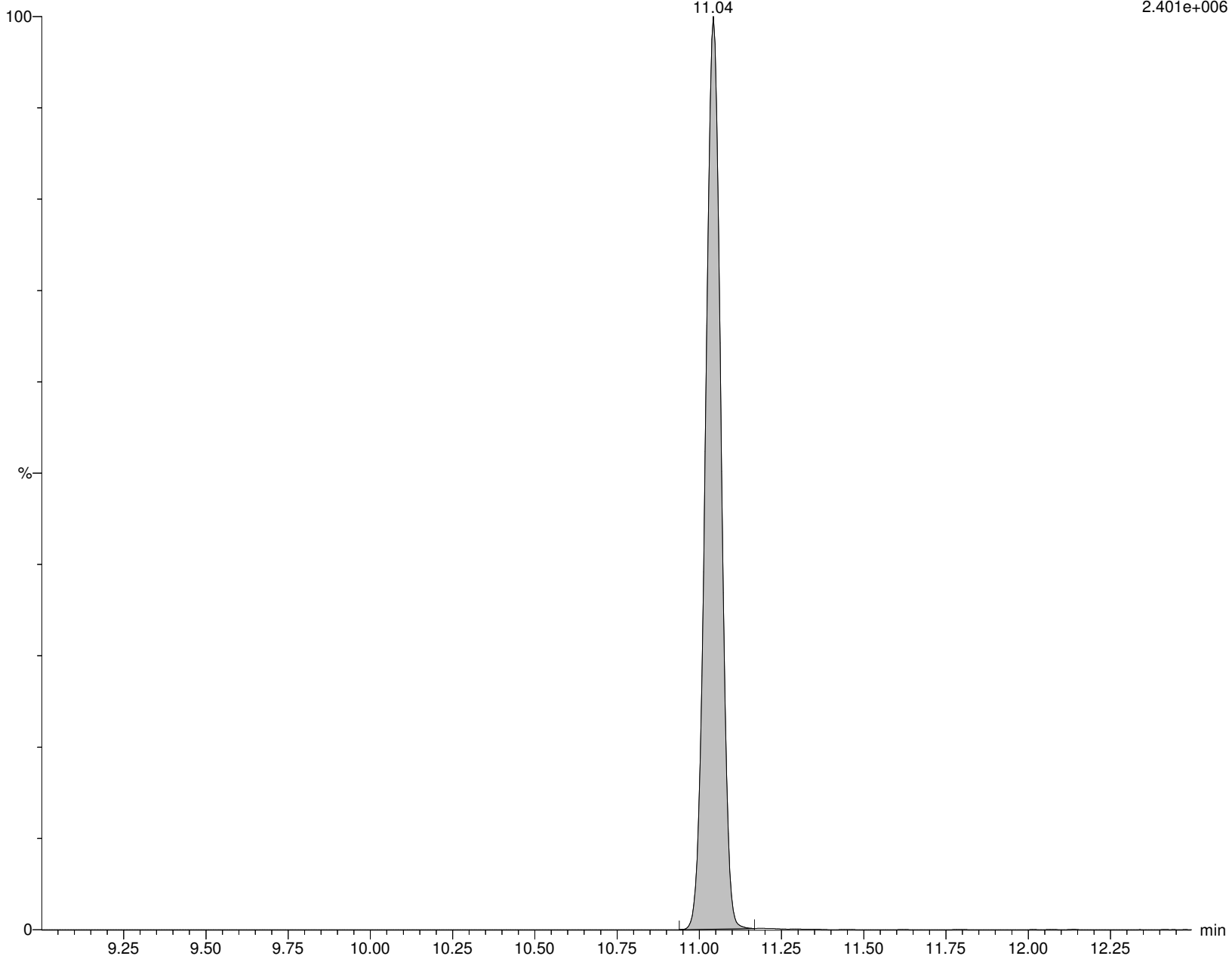
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.401e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

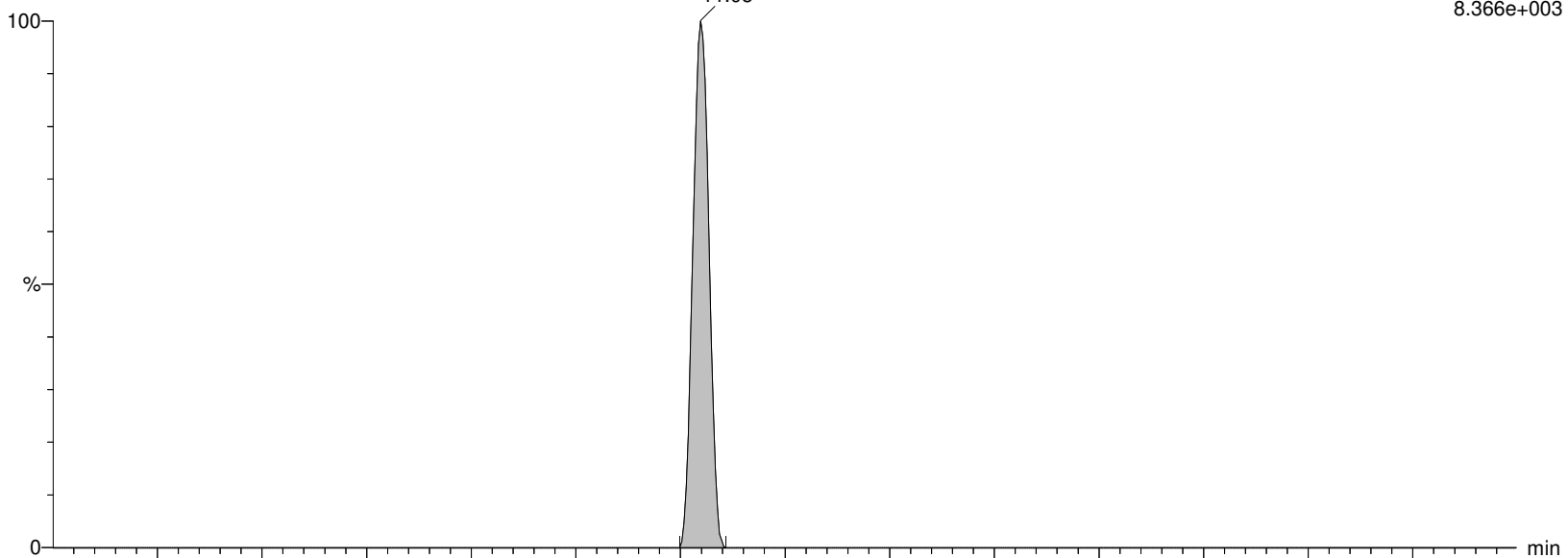
Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDS**

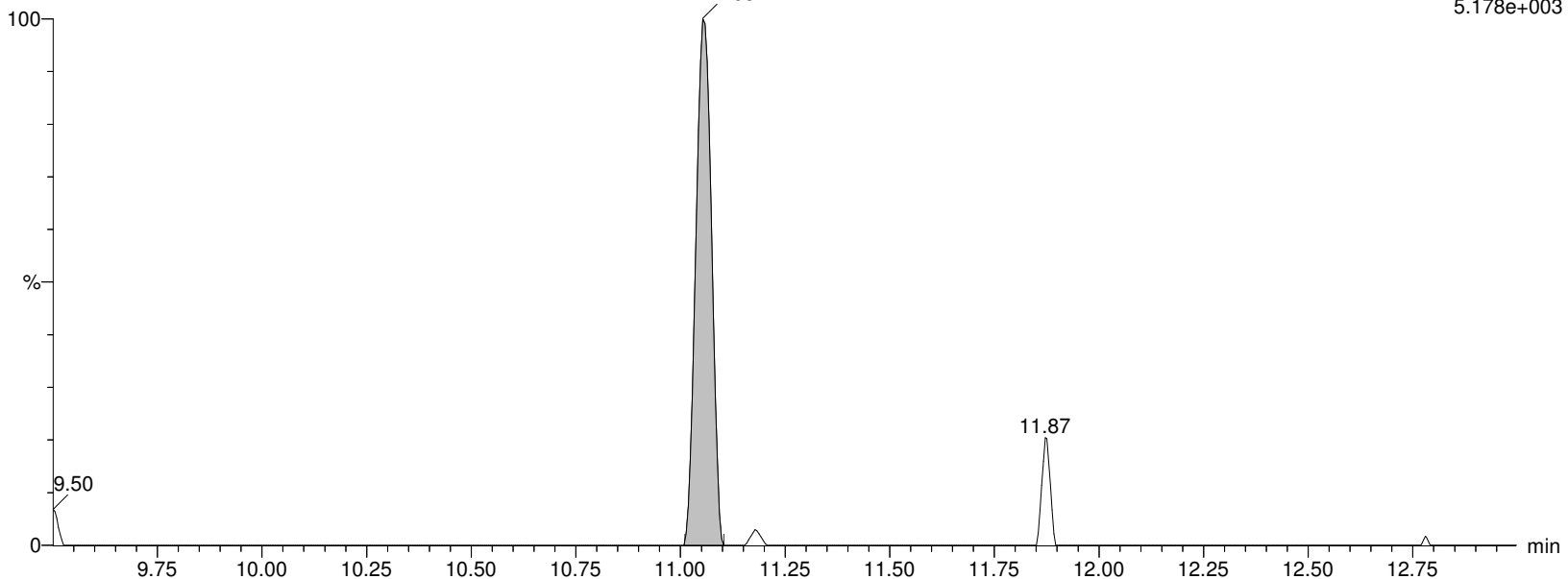
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

PFDS
11.05F50:MRM of 2 channels, ES-
598.926 > 80.314
8.366e+003

I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

PFDS
11.05F50:MRM of 2 channels, ES-
598.926 > 99.22
5.178e+003

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

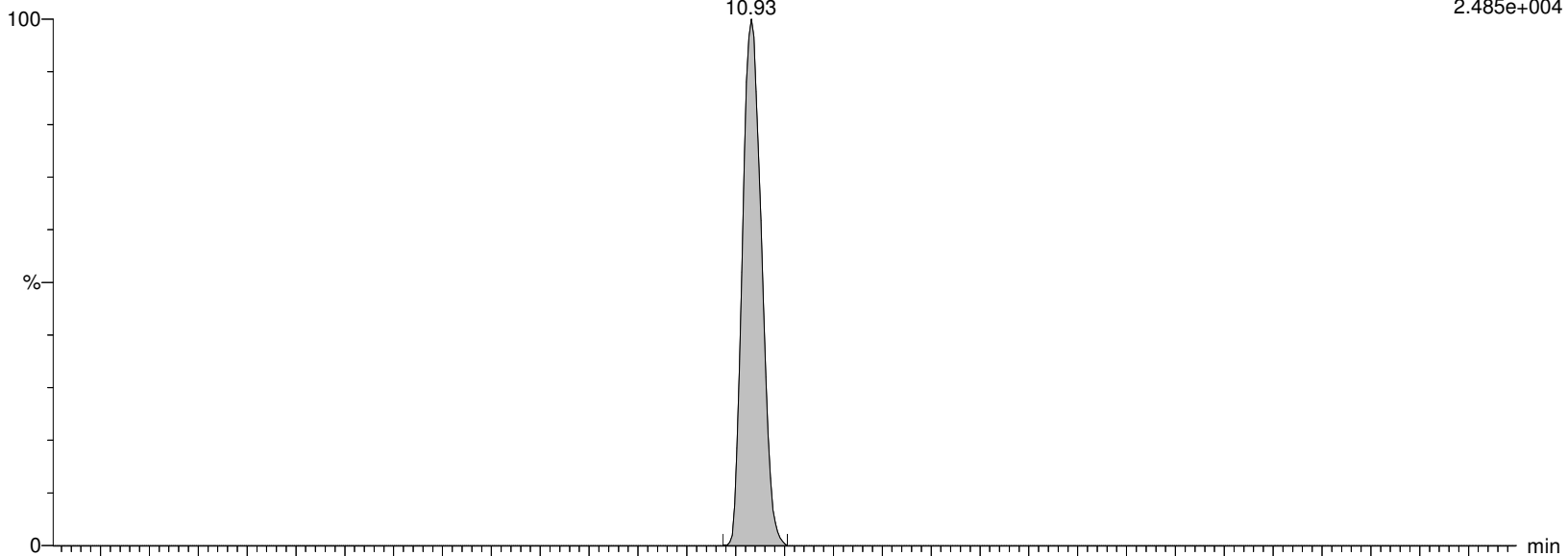
FOSA

10.93

F28:MRM of 2 channels,ES-

497.989 > 78.245

2.485e+004



I18710 Smooth(Mn,2x2)

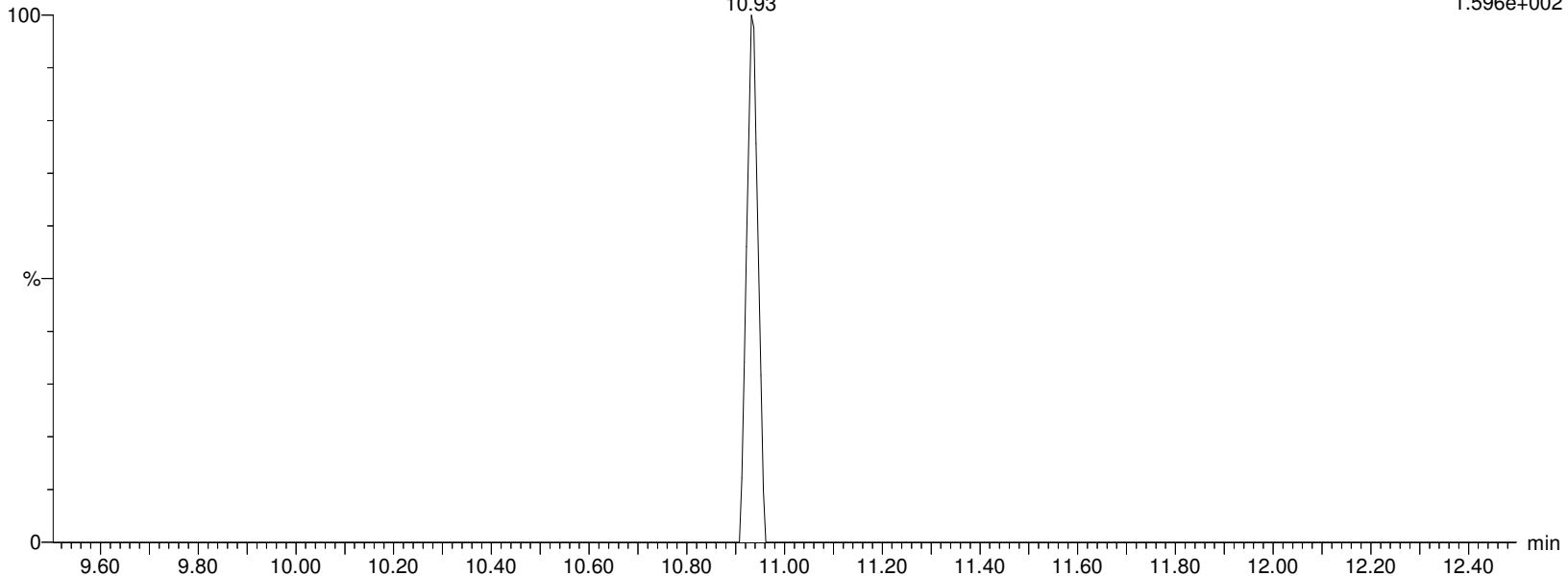
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

10.93

F28:MRM of 2 channels,ES-

497.989 > 168.854

1.596e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8FOSA

I18710 Smooth(Mn,2x3)

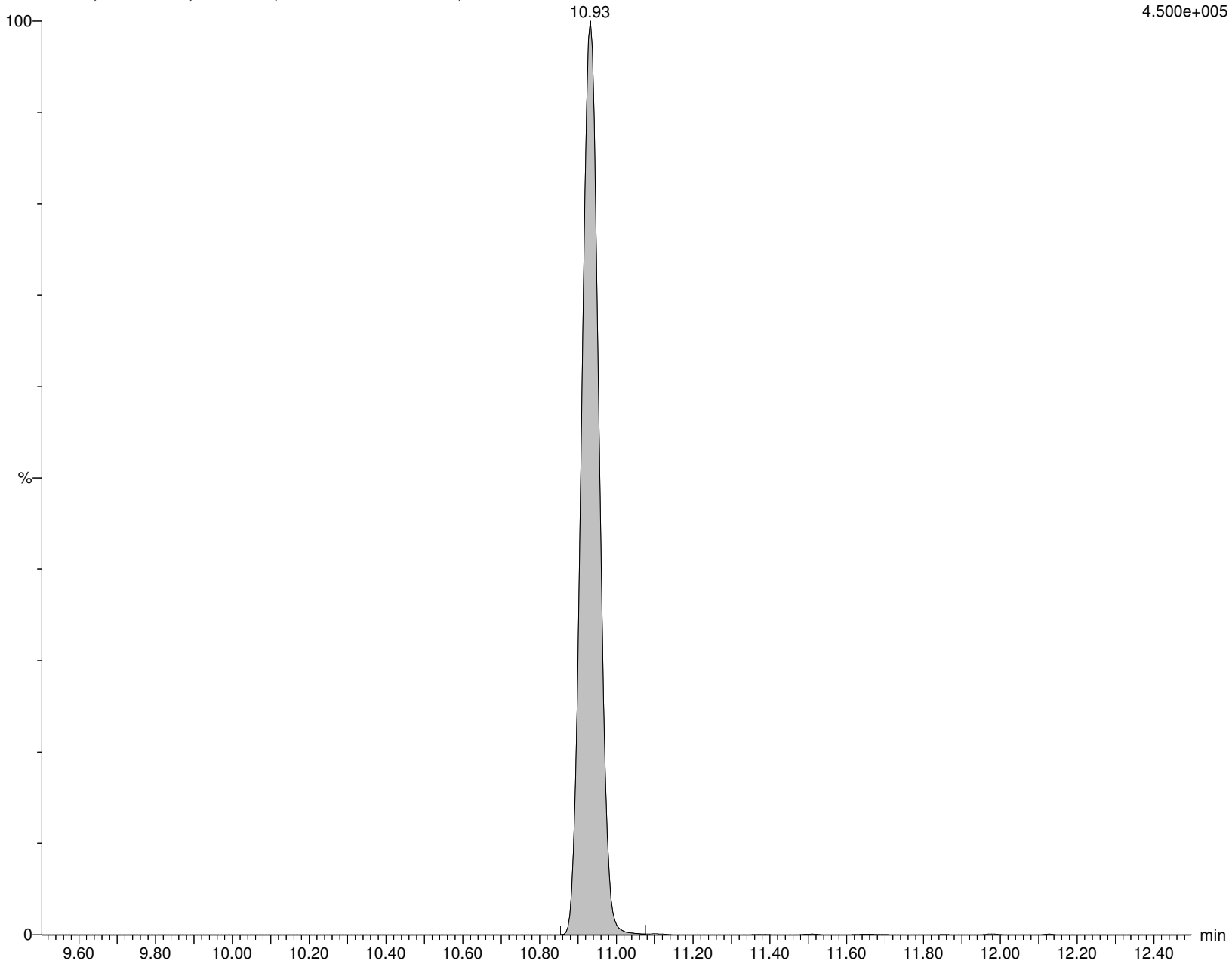
WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

M8FOSA

F31:MRM of 1 channel,ES-

506.053 > 78.286

4.500e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

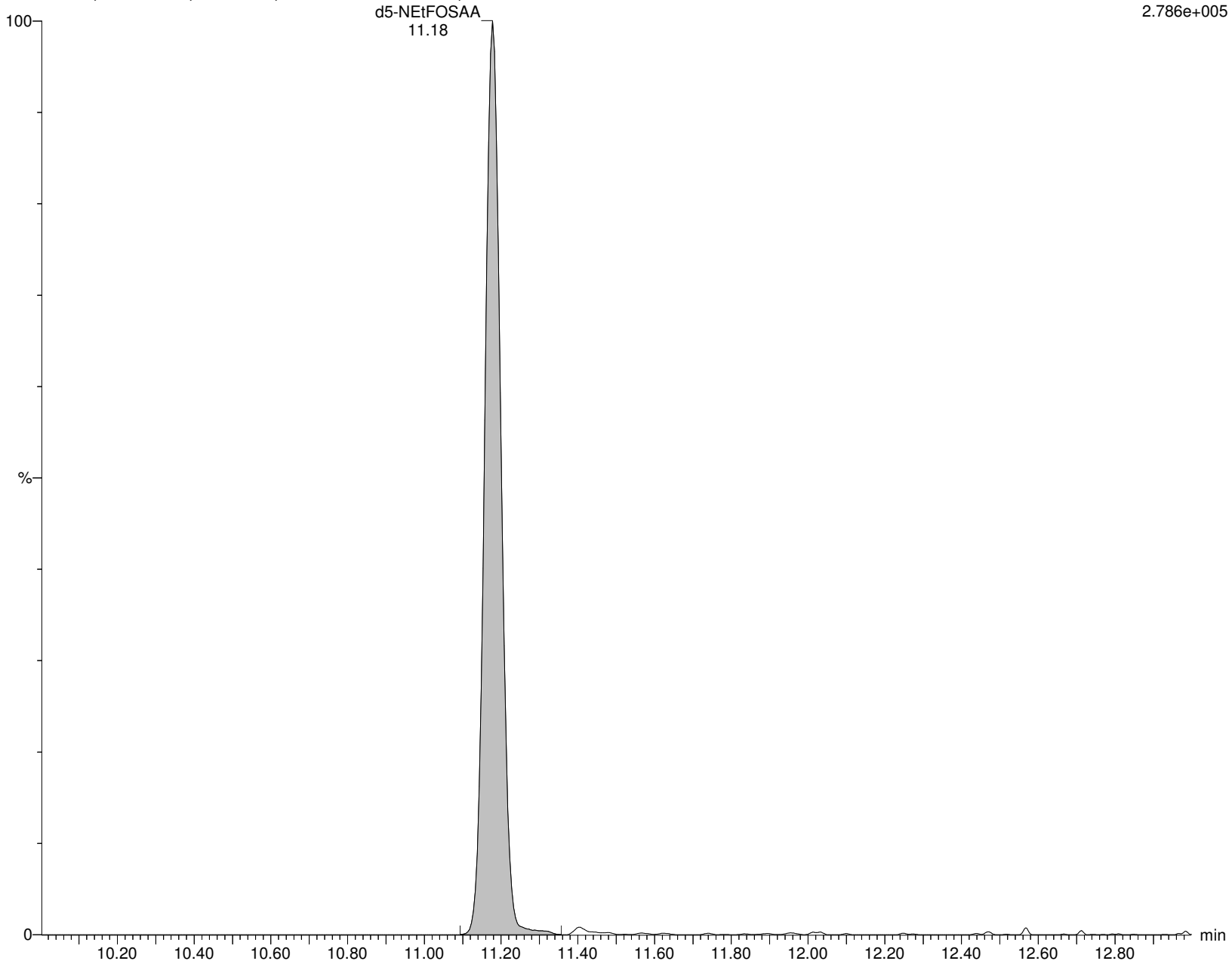
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.786e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

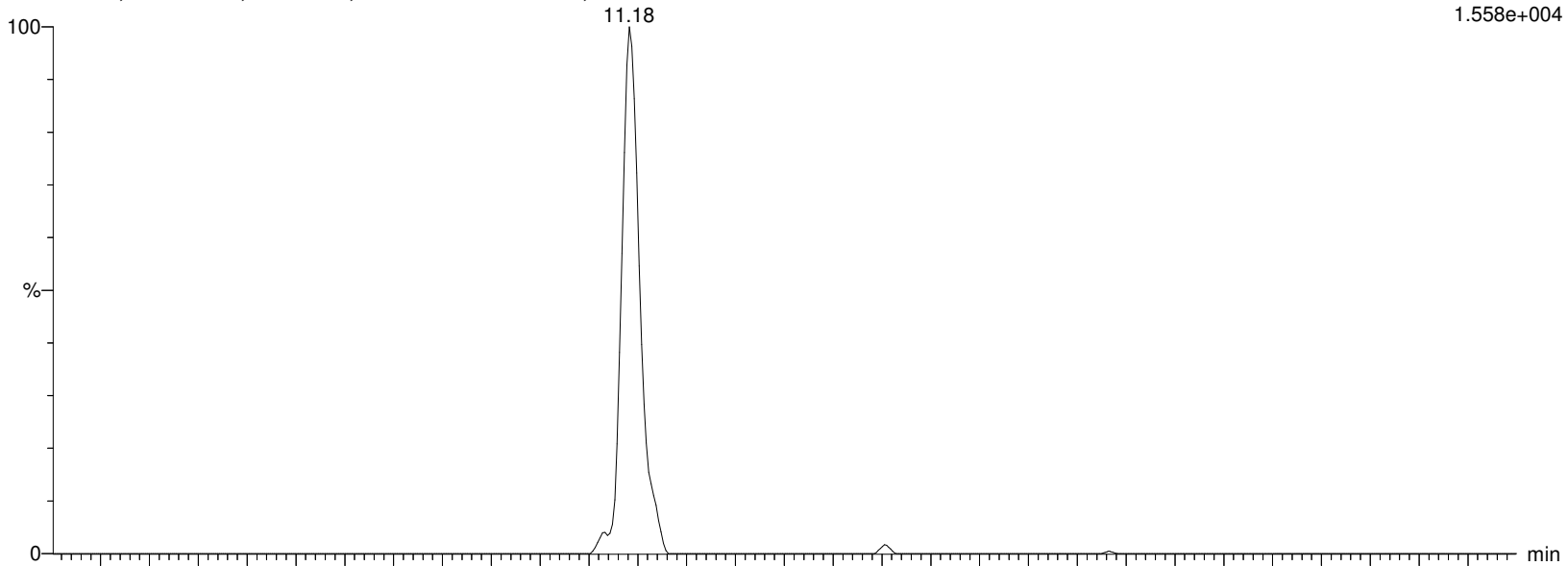
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.558e+004



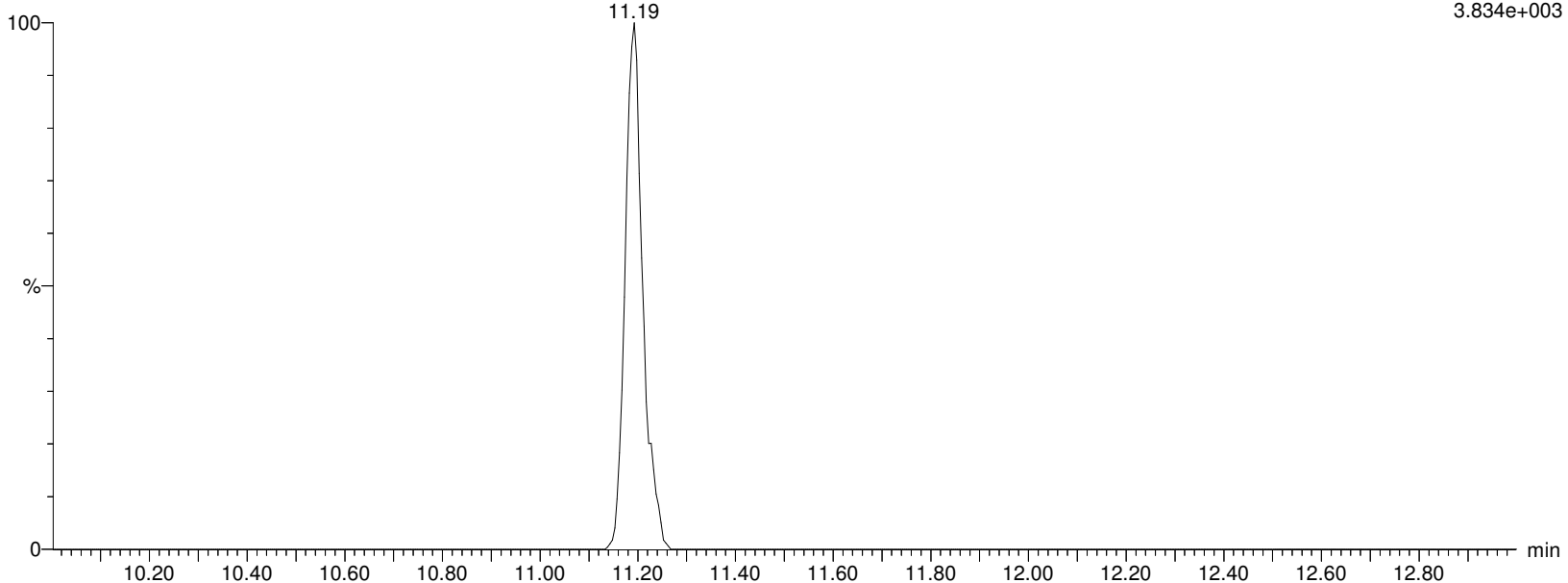
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.834e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

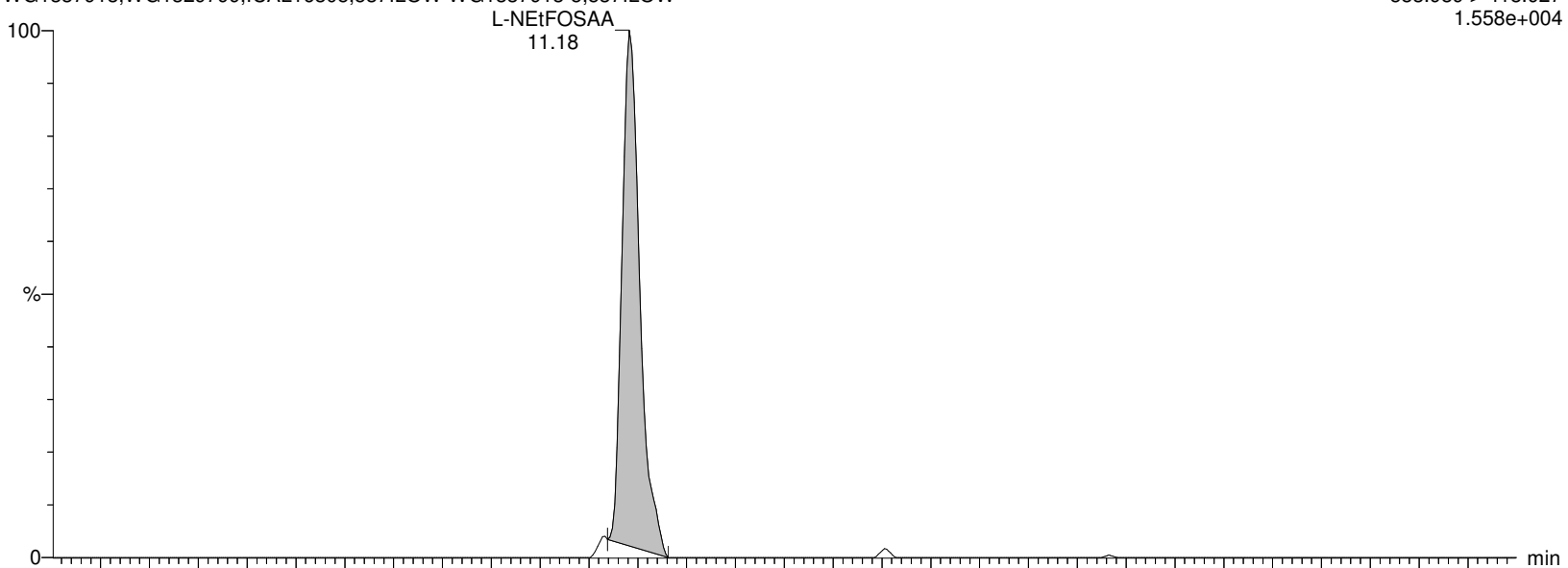
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.558e+004



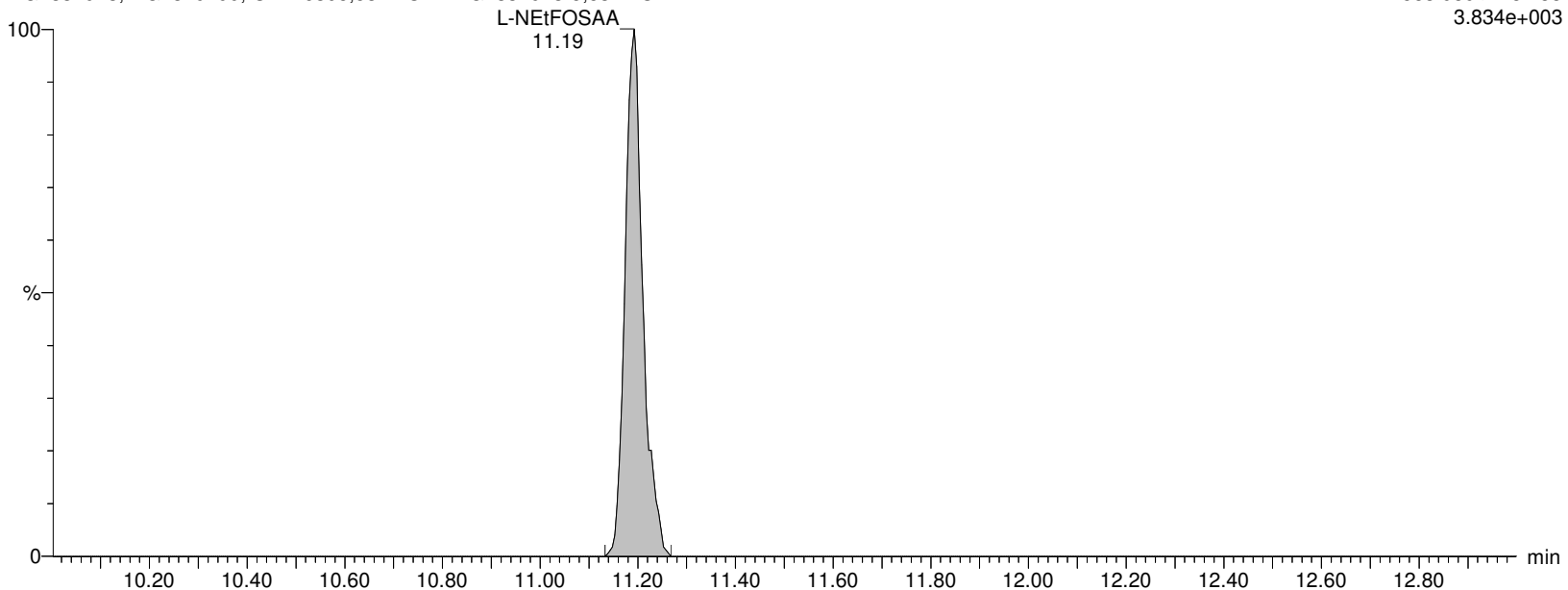
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.834e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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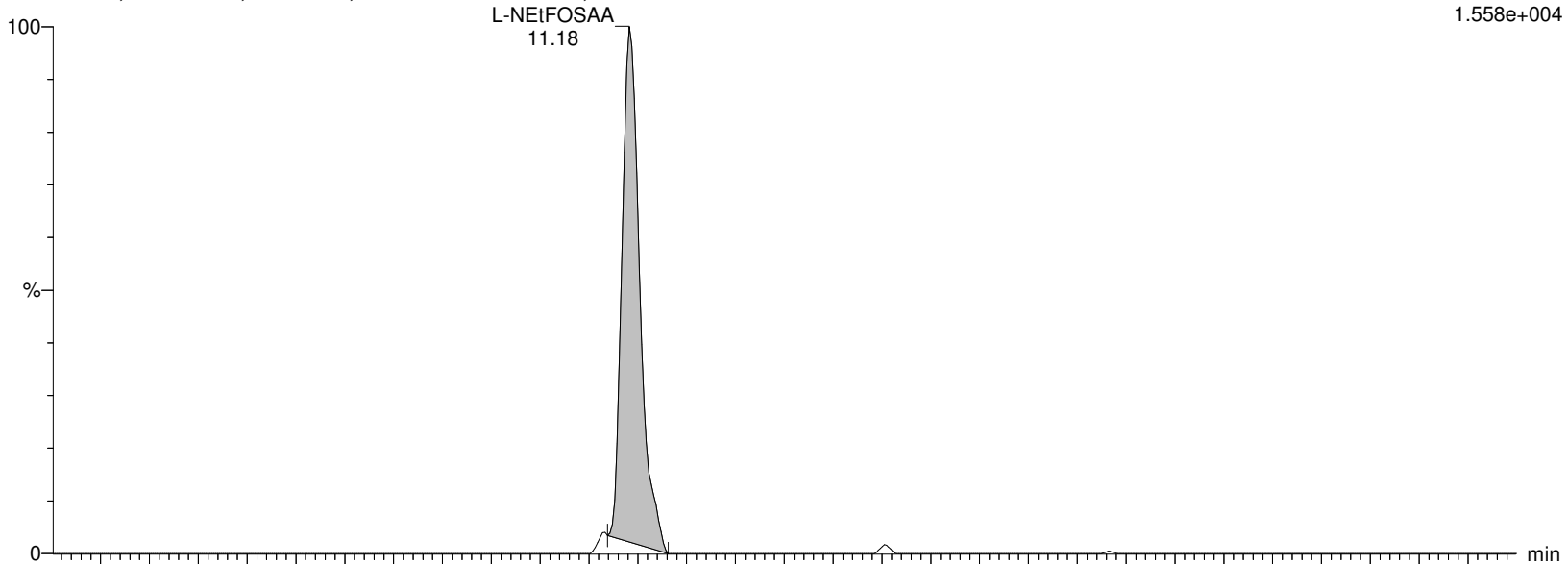
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F48:MRM of 2 channels, ES-

583.989 > 418.927

1.558e+004



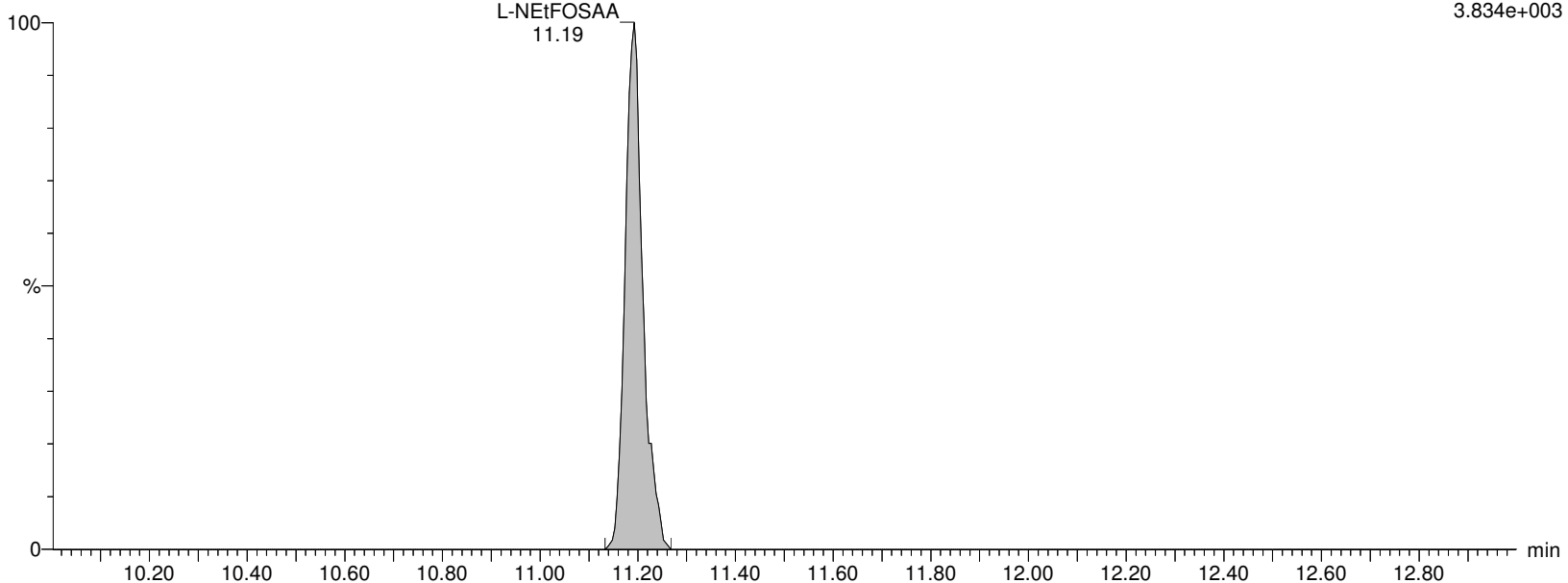
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F48:MRM of 2 channels, ES-

583.989 > 482.88

3.834e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFD0A

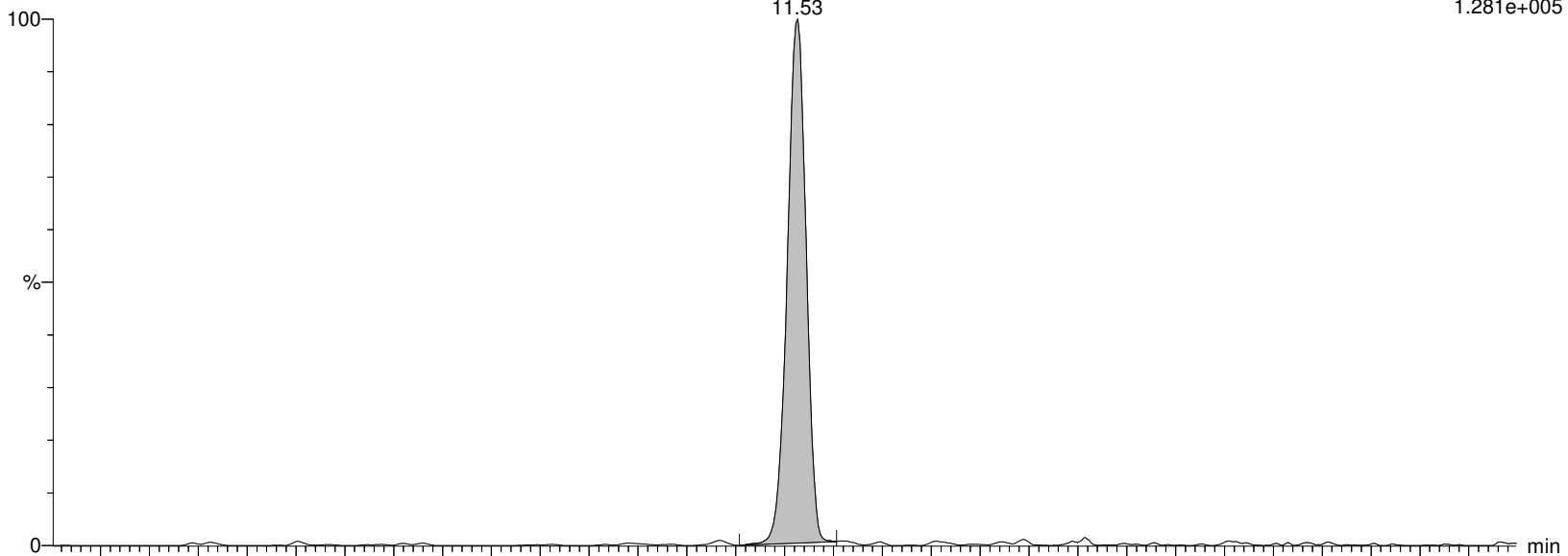
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 568.967

1.281e+005



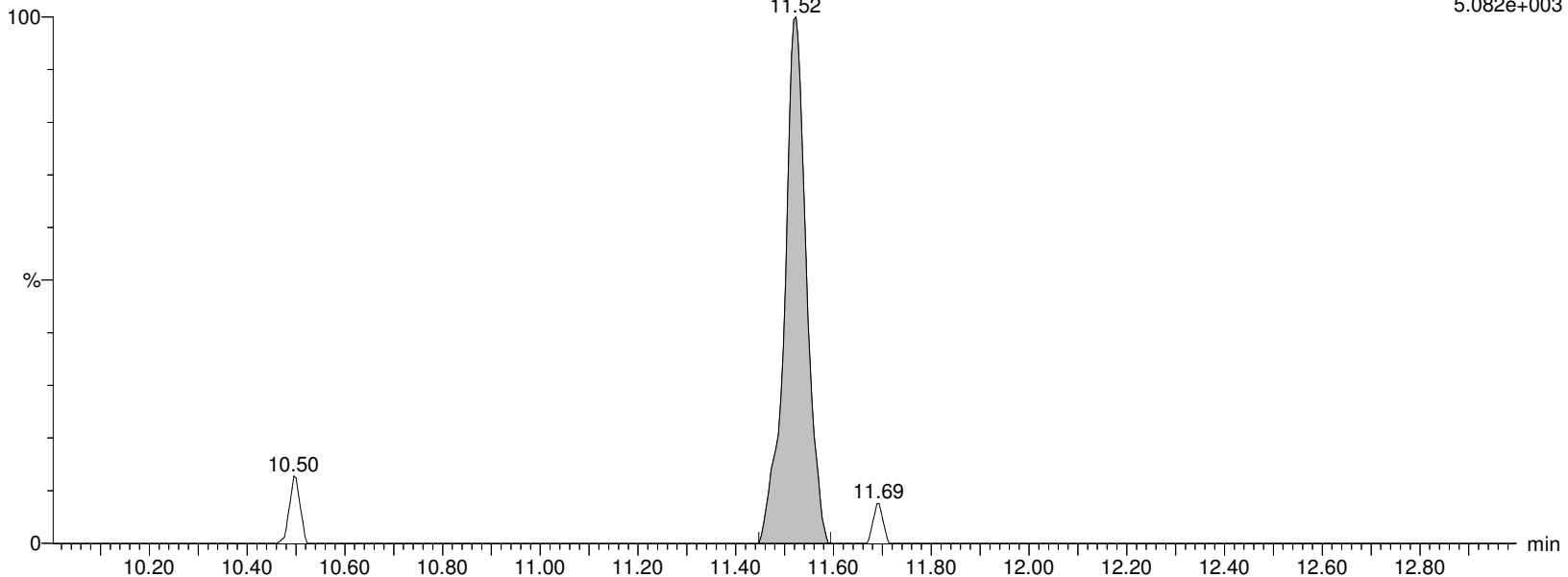
I18710 Smooth(Mn,2x2)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F51:MRM of 2 channels, ES-

612.989 > 219.08

5.082e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

MPFDOA

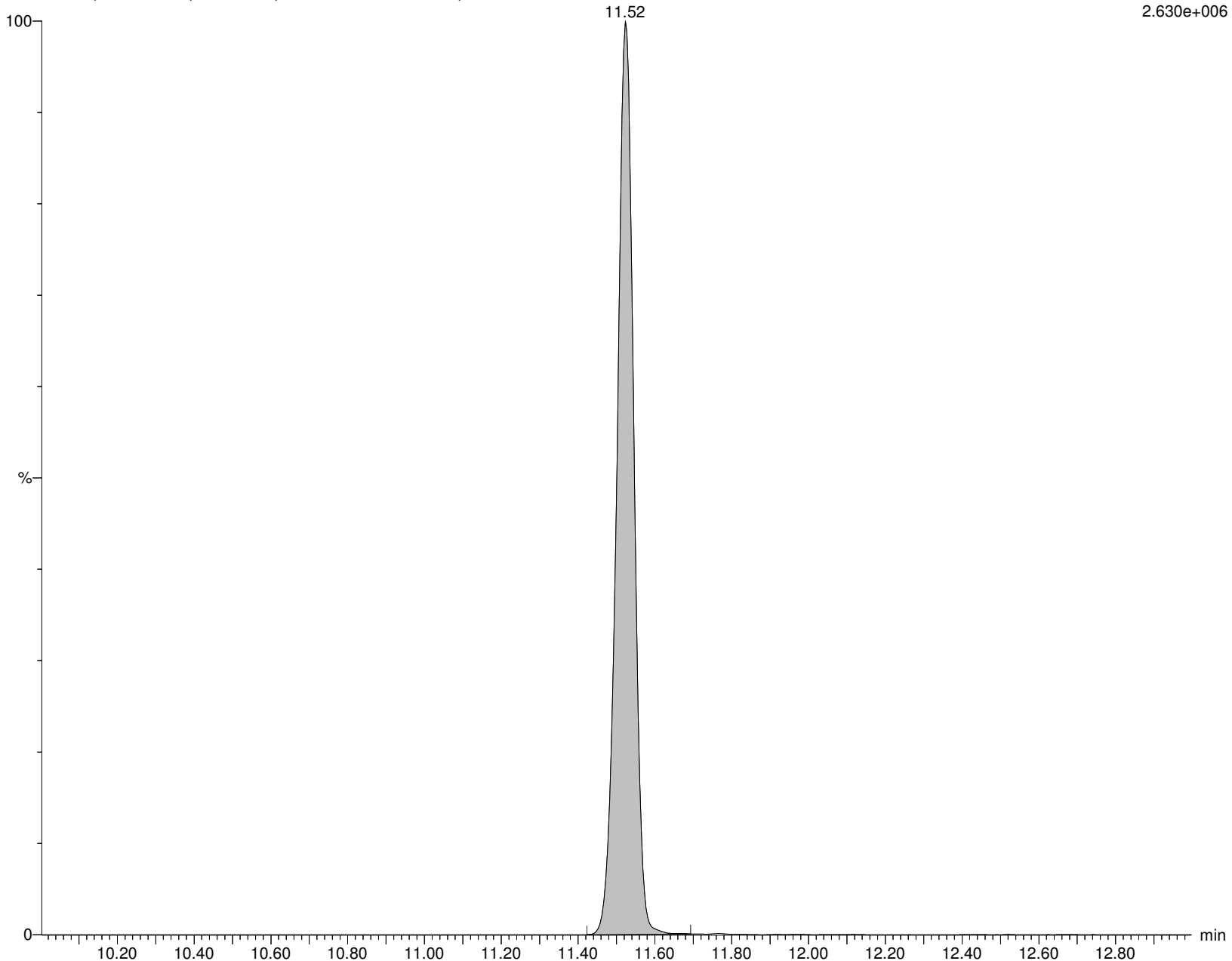
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.630e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

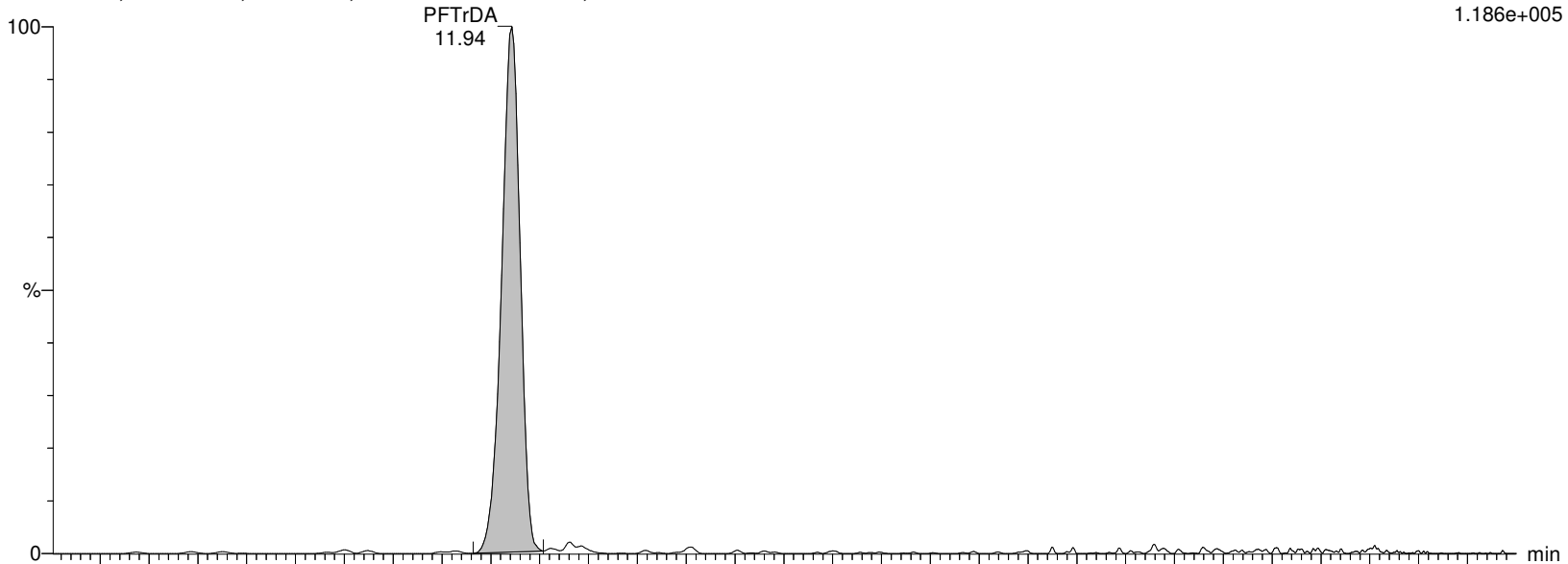
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F59:MRM of 2 channels,ES-

663.053 > 618.969

1.186e+005



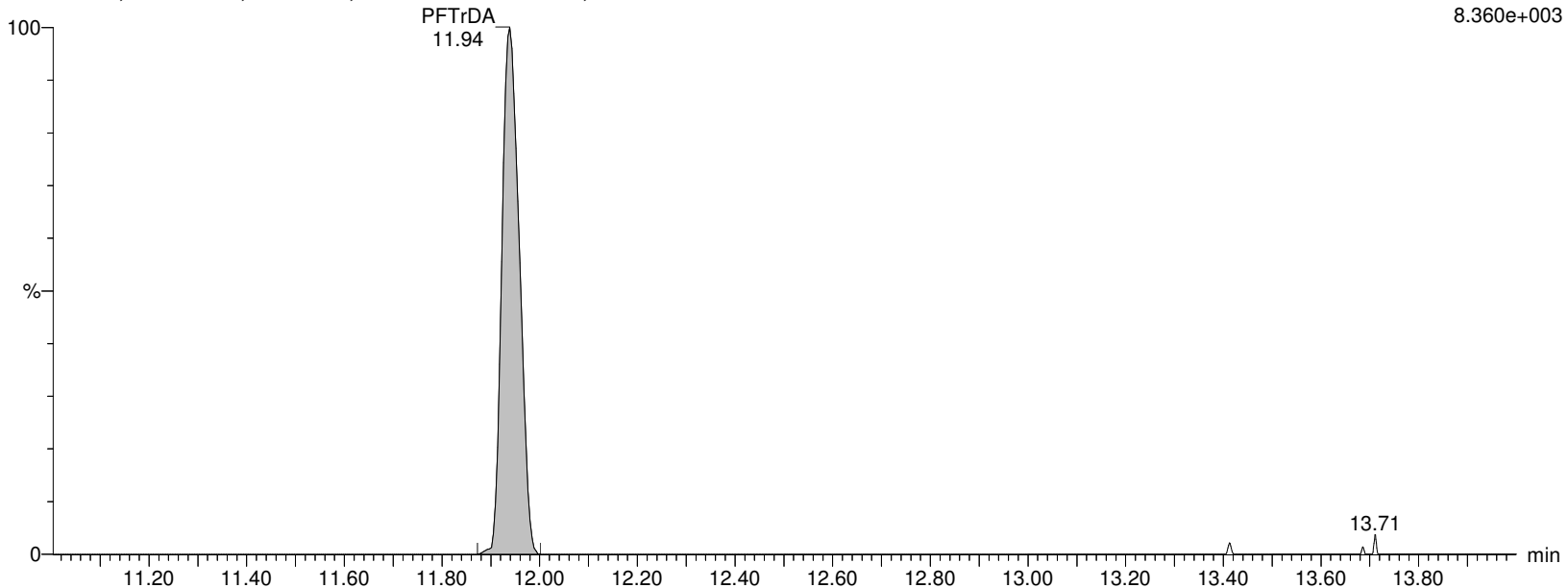
I18710 Smooth(Mn,2x2)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F59:MRM of 2 channels,ES-

663.053 > 319.02

8.360e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

I18710 Smooth(Mn,2x3)

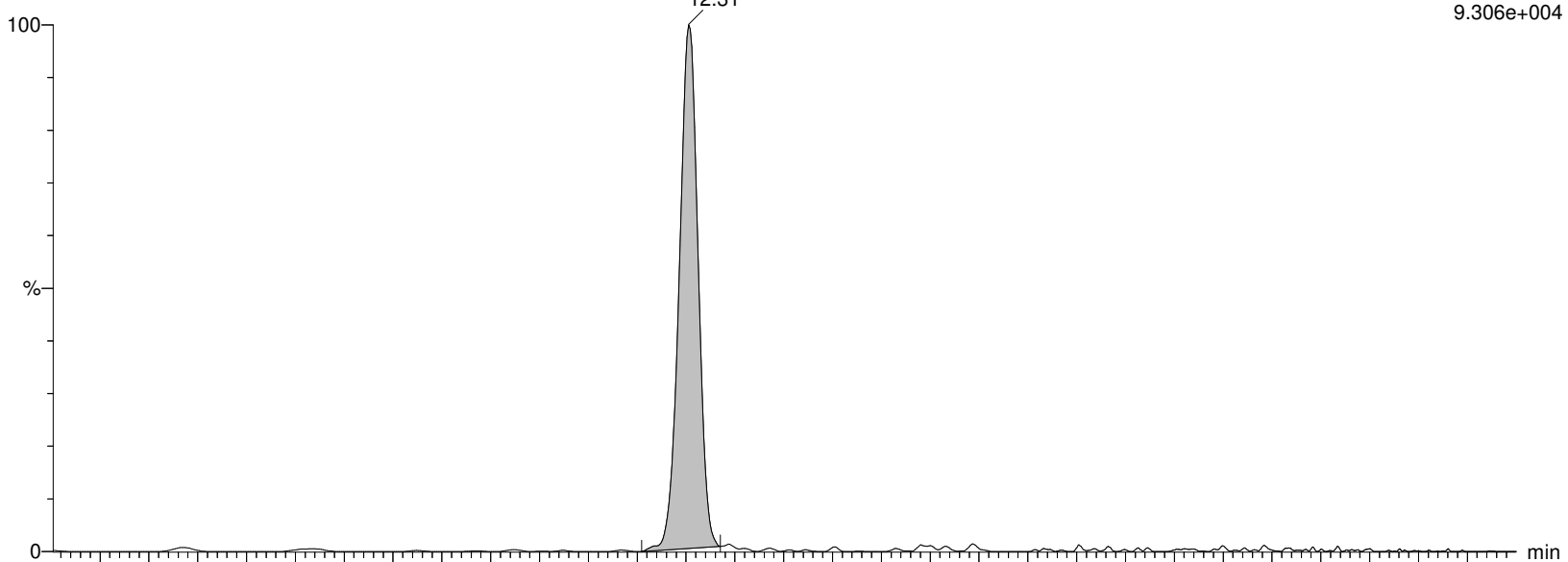
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

PFTA
12.31

F61:MRM of 2 channels, ES-

713.053 > 668.976

9.306e+004



I18710 Smooth(Mn,2x3)

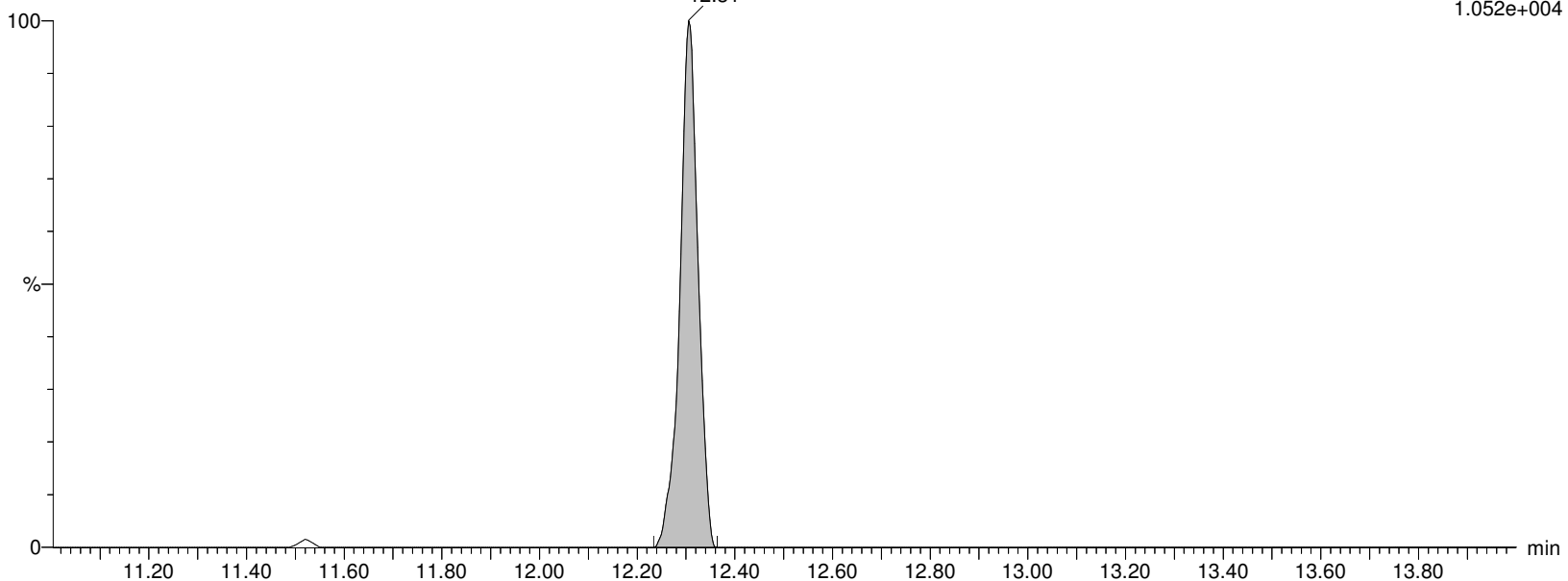
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

PFTA
12.31

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.052e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M2PFTEDA

I18710 Smooth(Mn,2x3)

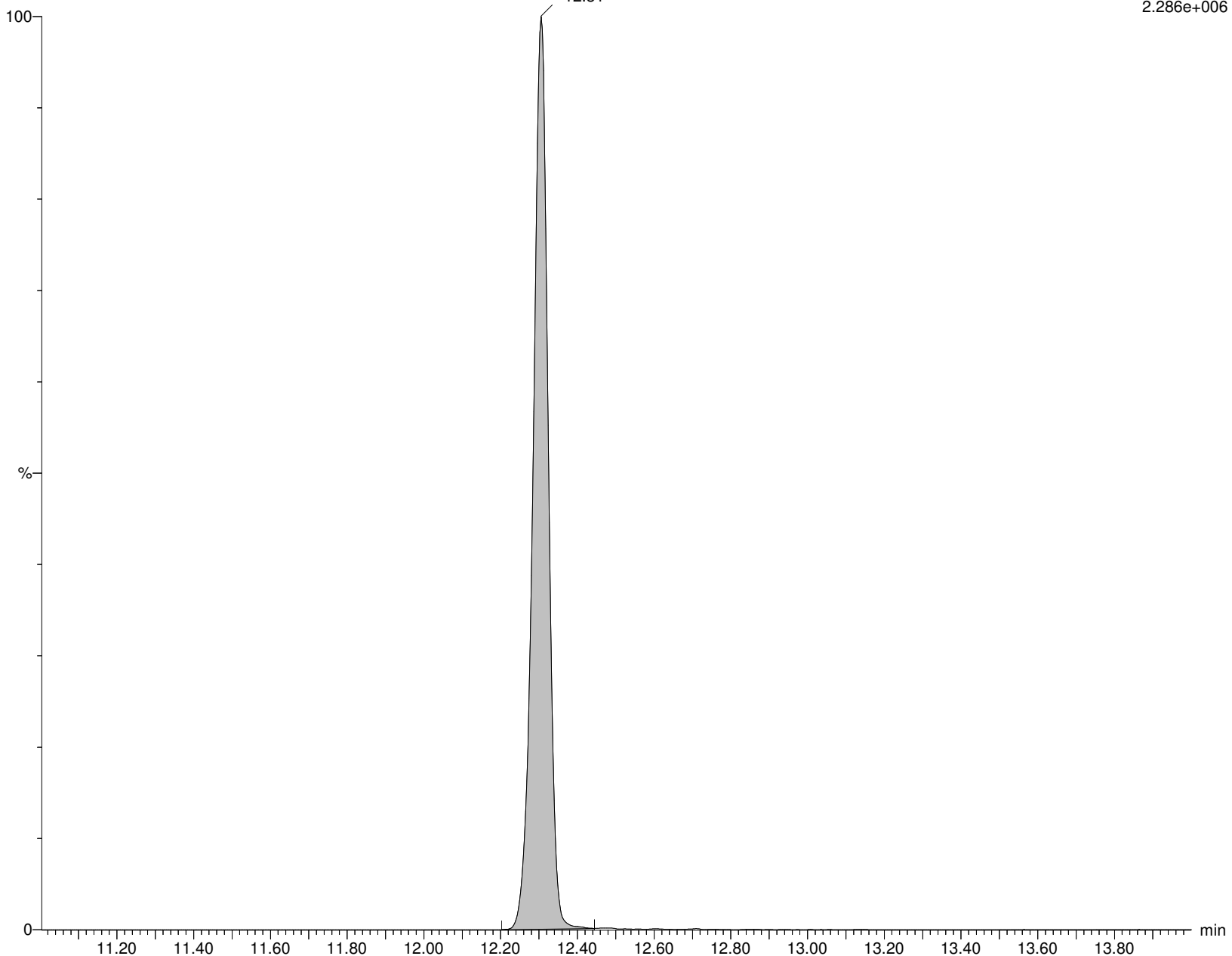
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

M2PFTEDA
12.31

F62:MRM of 1 channel, ES-

715.053 > 669.945

2.286e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3HFPO-DA**

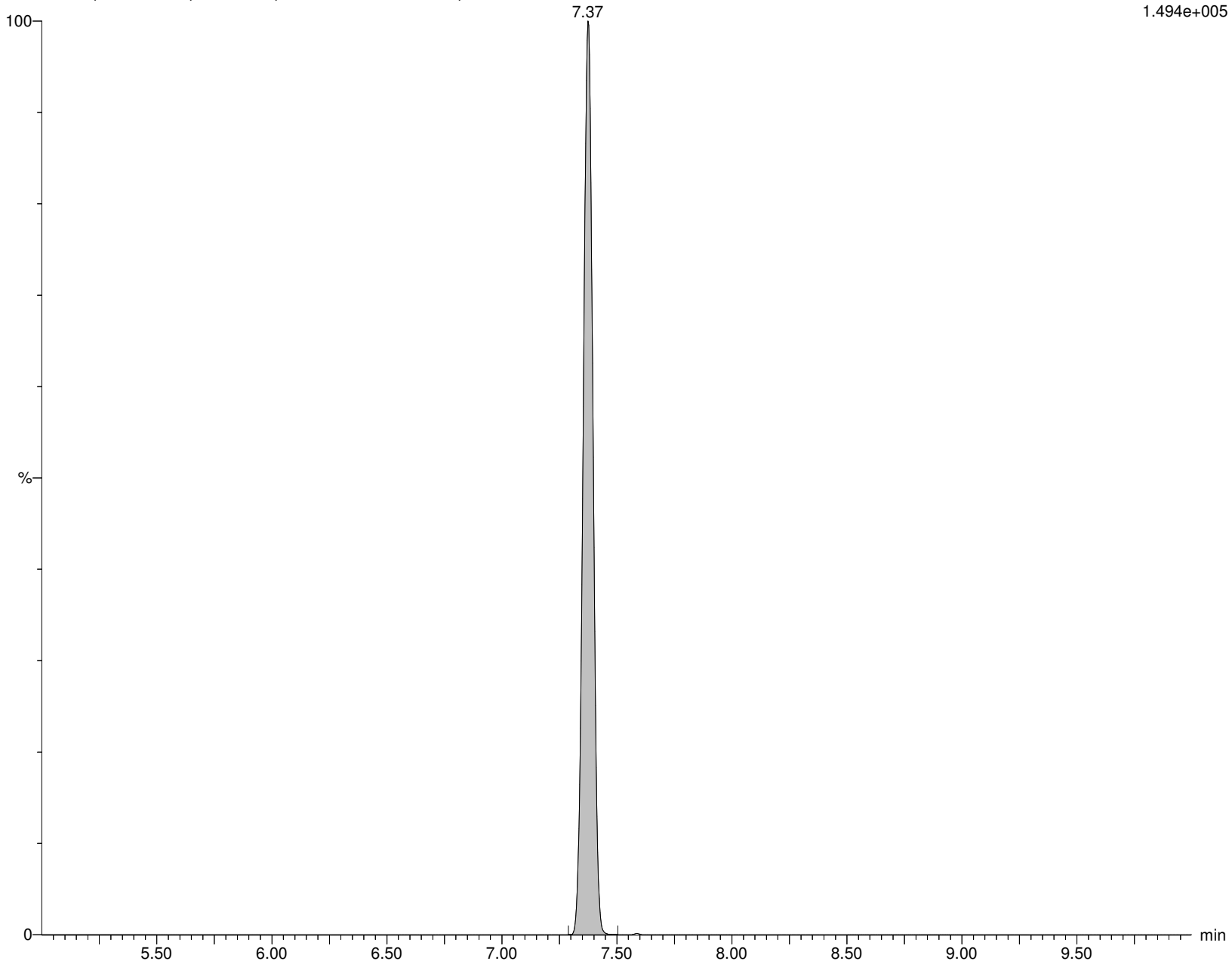
I18710 Smooth(Mn,2x4)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW M3HFPO-DA

F13:MRM of 1 channel, ES-

331.989 > 286.995

1.494e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913,WG1329799,ICAL16305,537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

HFPO-DA

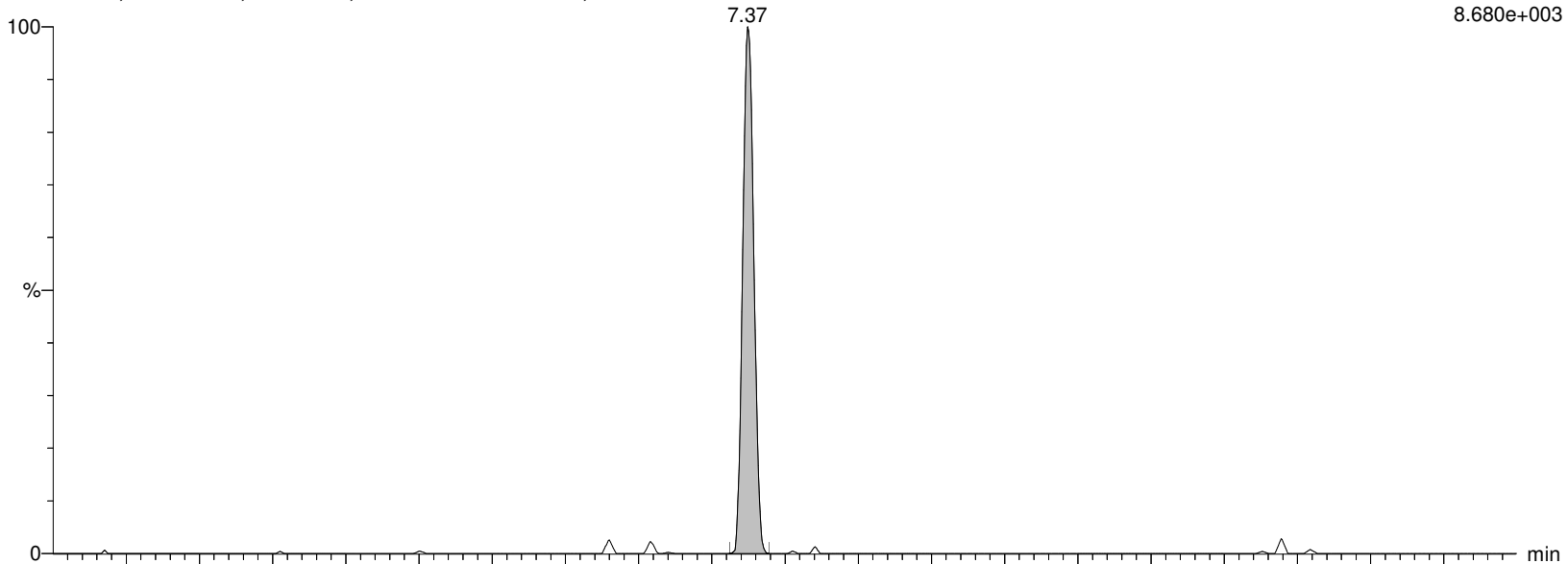
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW HFPO-DA

F6:MRM of 2 channels,ES-

284.819 > 169.094

8.680e+003



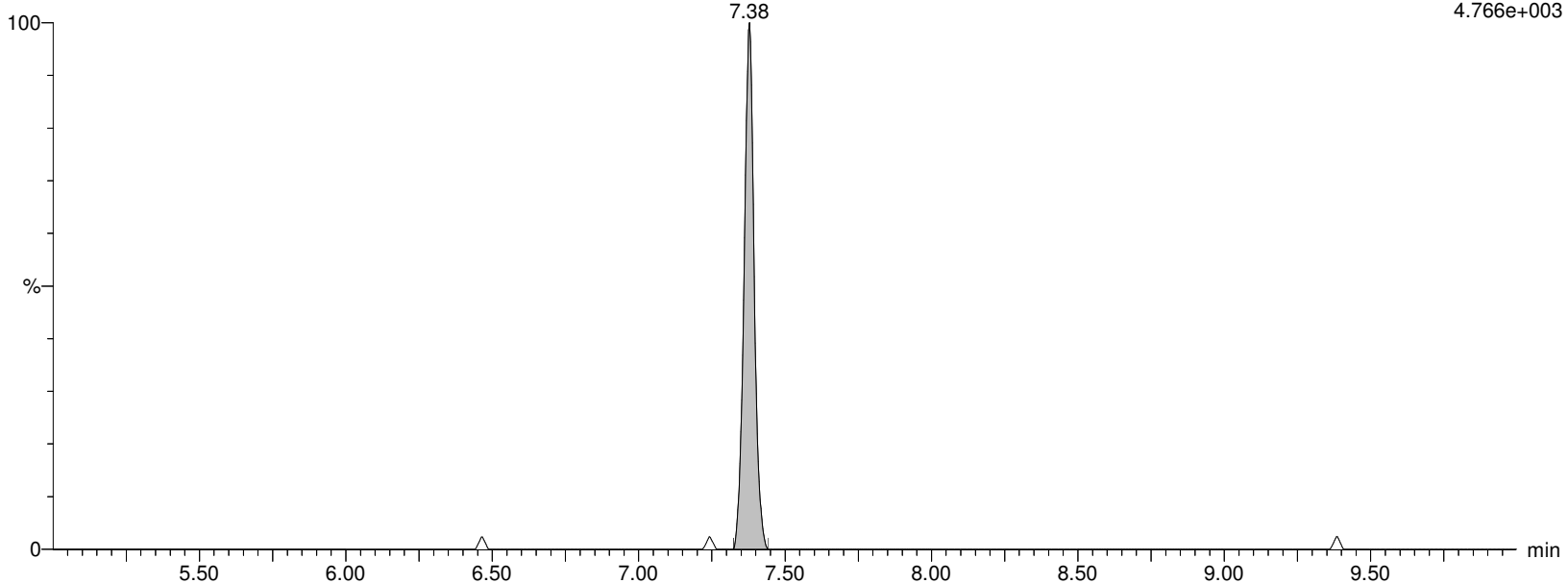
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW HFPO-DA

F6:MRM of 2 channels,ES-

328.989 > 284.982

4.766e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****ADONA**

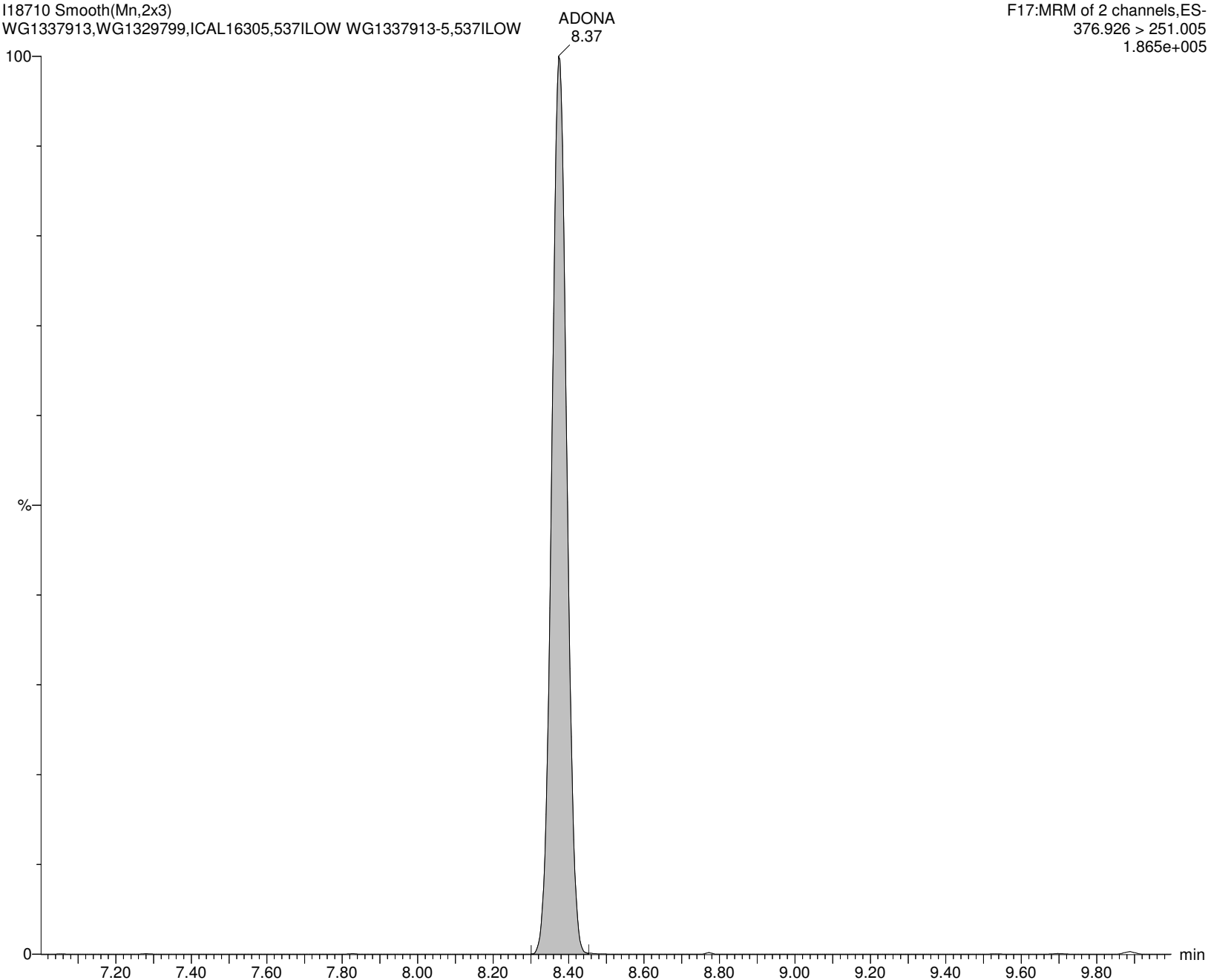
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F17:MRM of 2 channels, ES-

376.926 > 251.005

1.865e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913,WG1329799,ICAL16305,537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxDA**

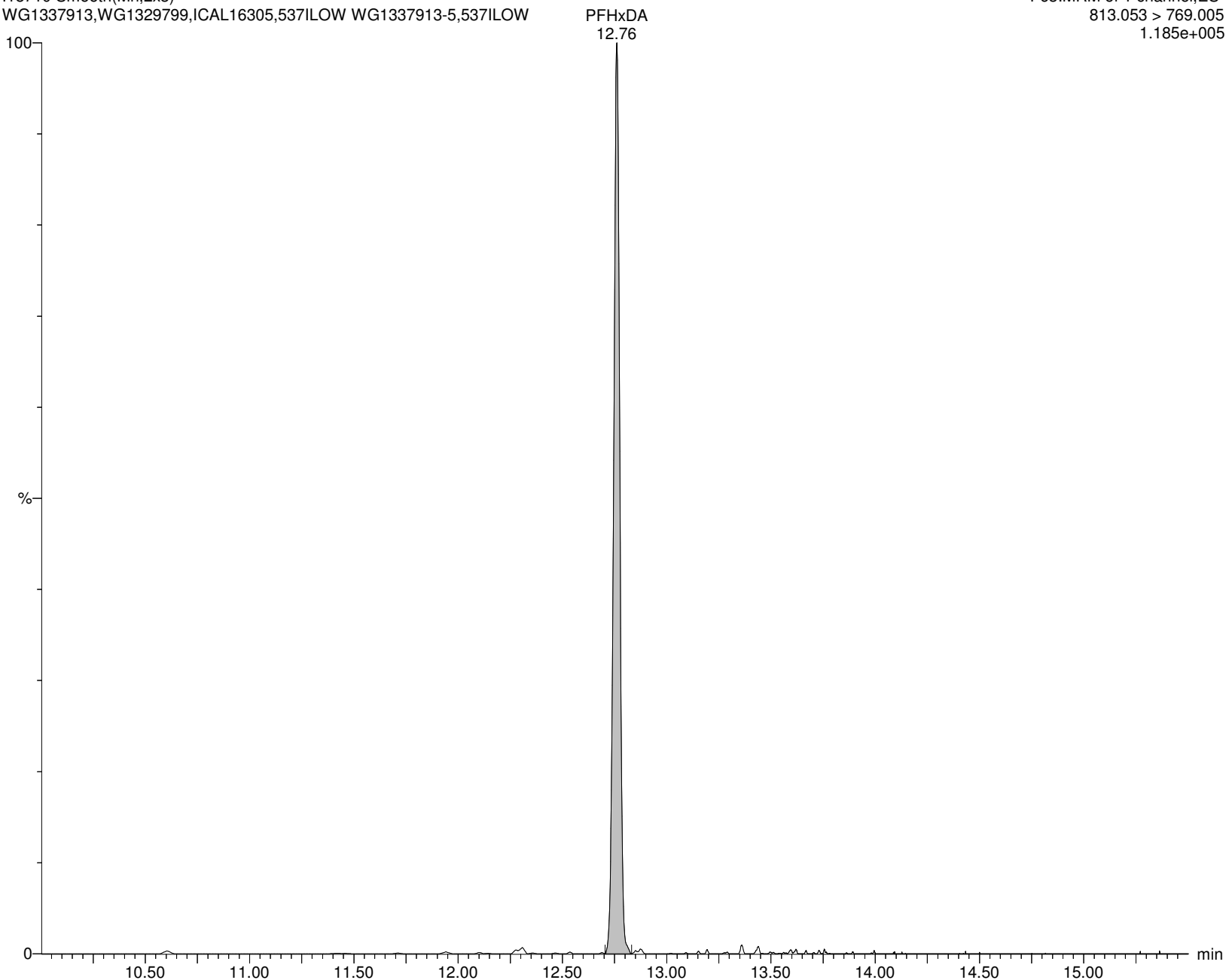
I18710 Smooth(Mn,2x3)

WG1337913,WG1329799,ICAL16305,537ILOW WG1337913-5,537ILOW

F63:MRM of 1 channel,ES-

813.053 > 769.005

1.185e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFODA**

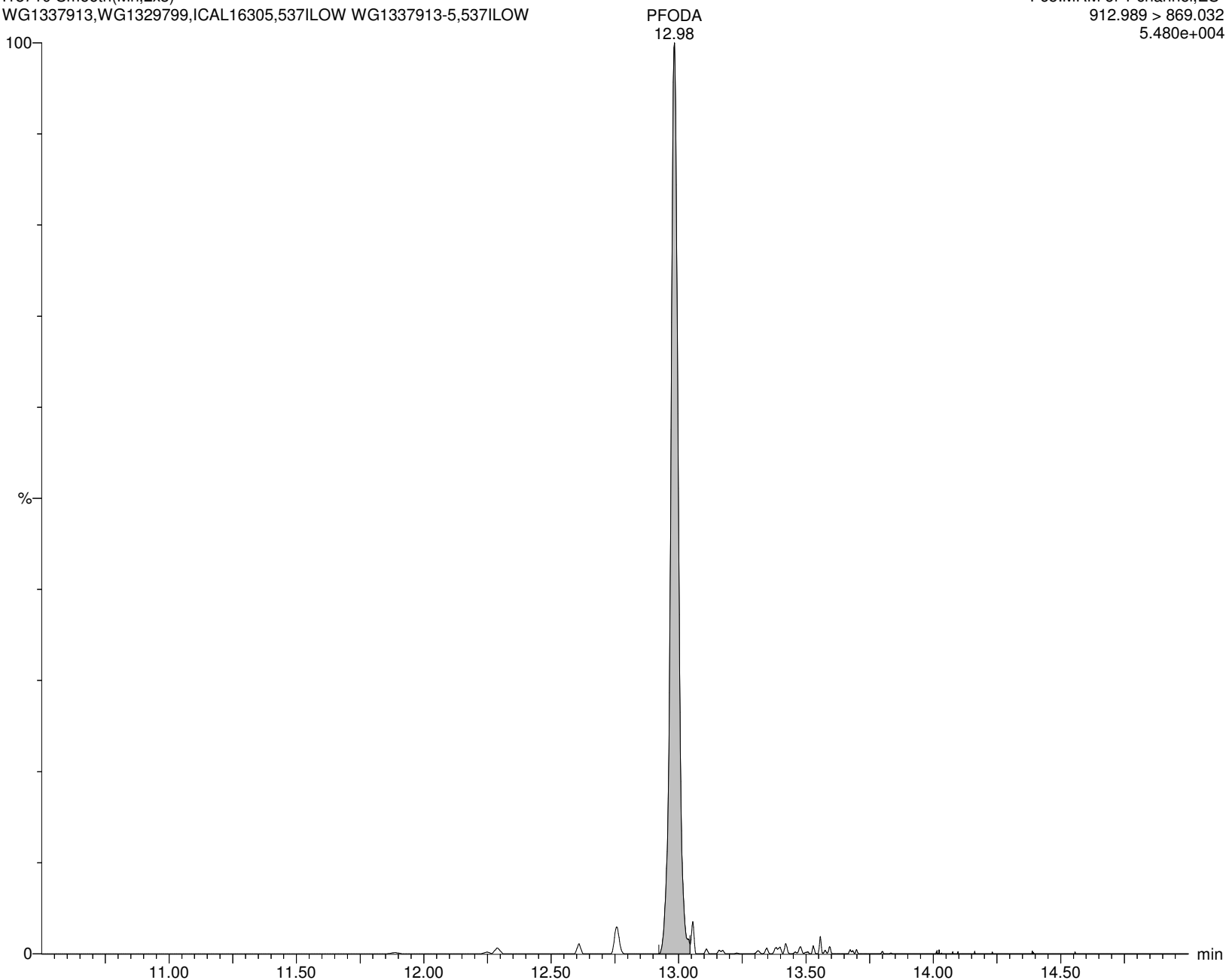
I18710 Smooth(Mn,2x3)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F65:MRM of 1 channel, ES-

912.989 > 869.032

5.480e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFHxDA**

I18710 Smooth(Mn,2x3)

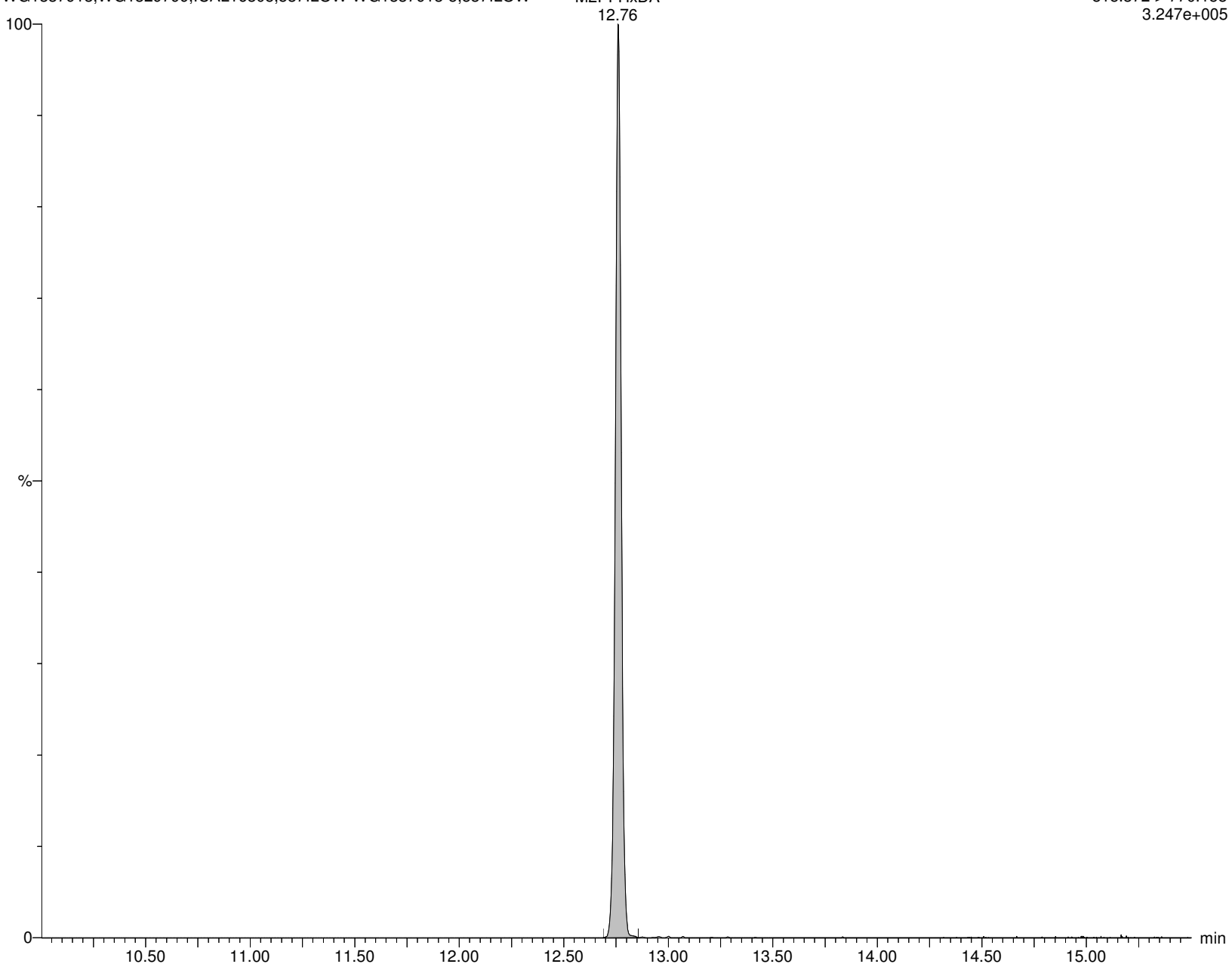
WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

M2PFHxDA

F64:MRM of 1 channel, ES-

815.372 > 770.158

3.247e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoS

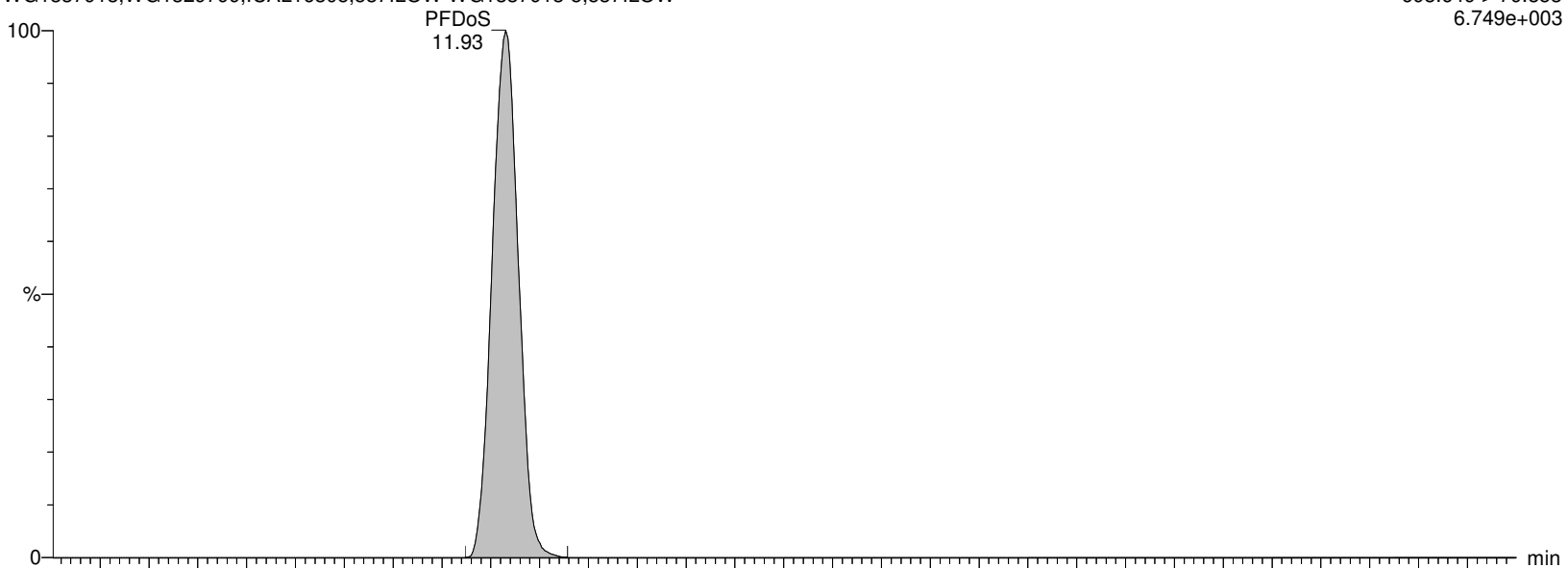
I18710 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 79.853

6.749e+003



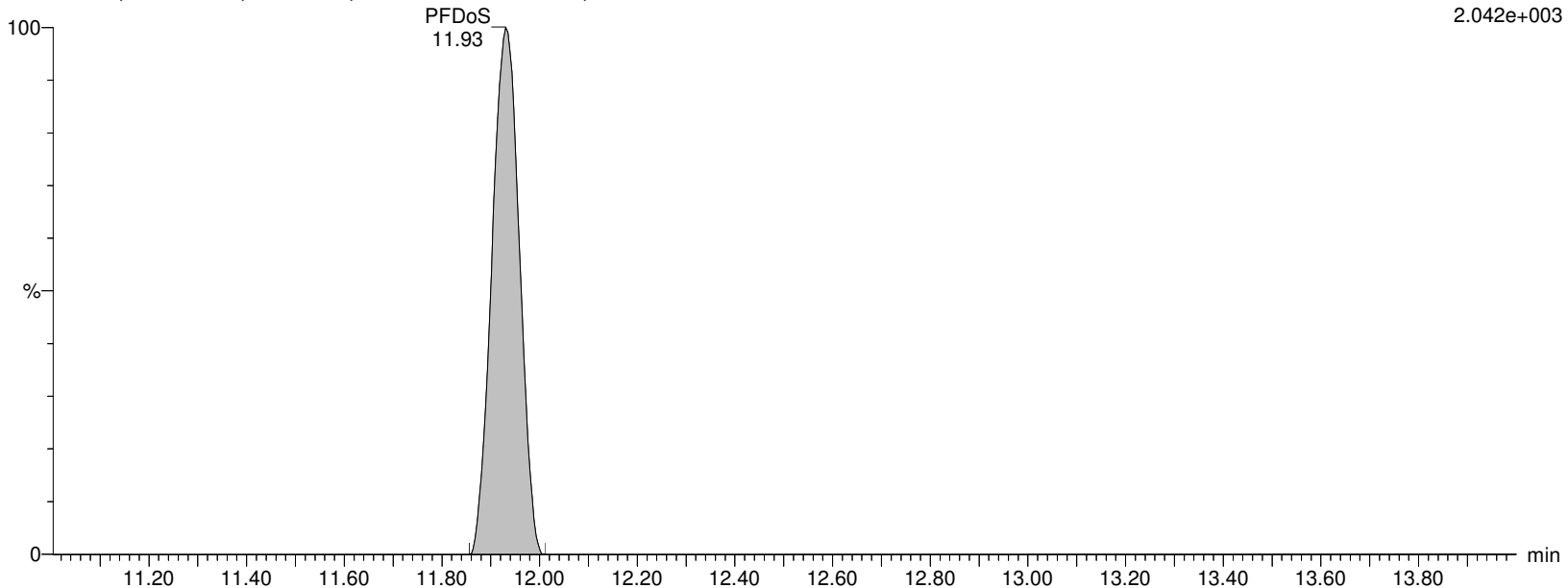
I18710 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5, 537ILOW

F60:MRM of 2 channels, ES-

698.649 > 98.786

2.042e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****10:2FTS**

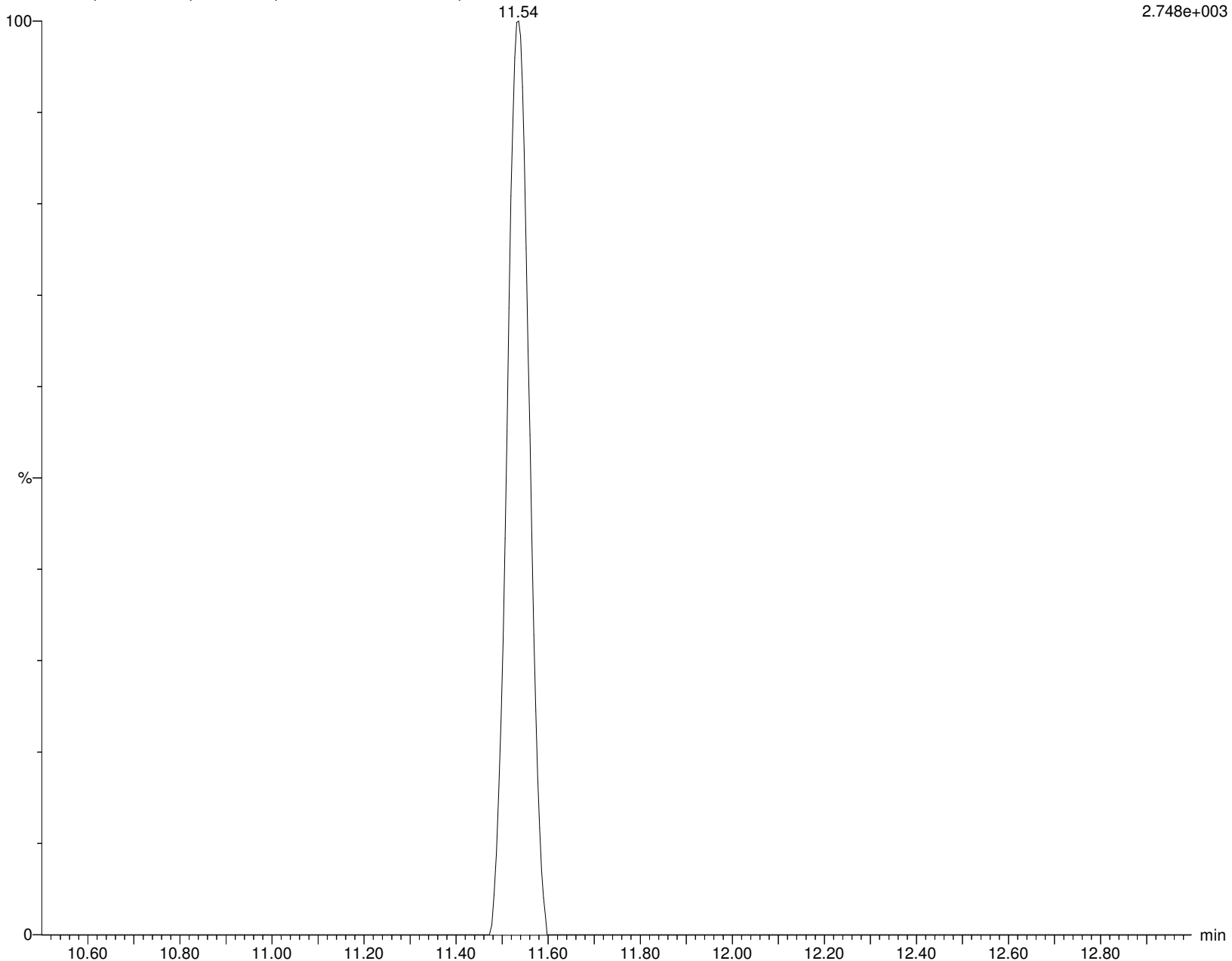
I18710 Smooth(Mn,2x4)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F55:MRM of 1 channel, ES-

626.862 > 606.896

2.748e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710**ID: WG1337913-5,537ILOW****Date: 07-Feb-2020****Time: 08:58:11****Description: WG1337913, WG1329799, ICAL16305, 537ILOW****User: LCMS02:JW****Vial: 1:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****9CL-PF3ONS**

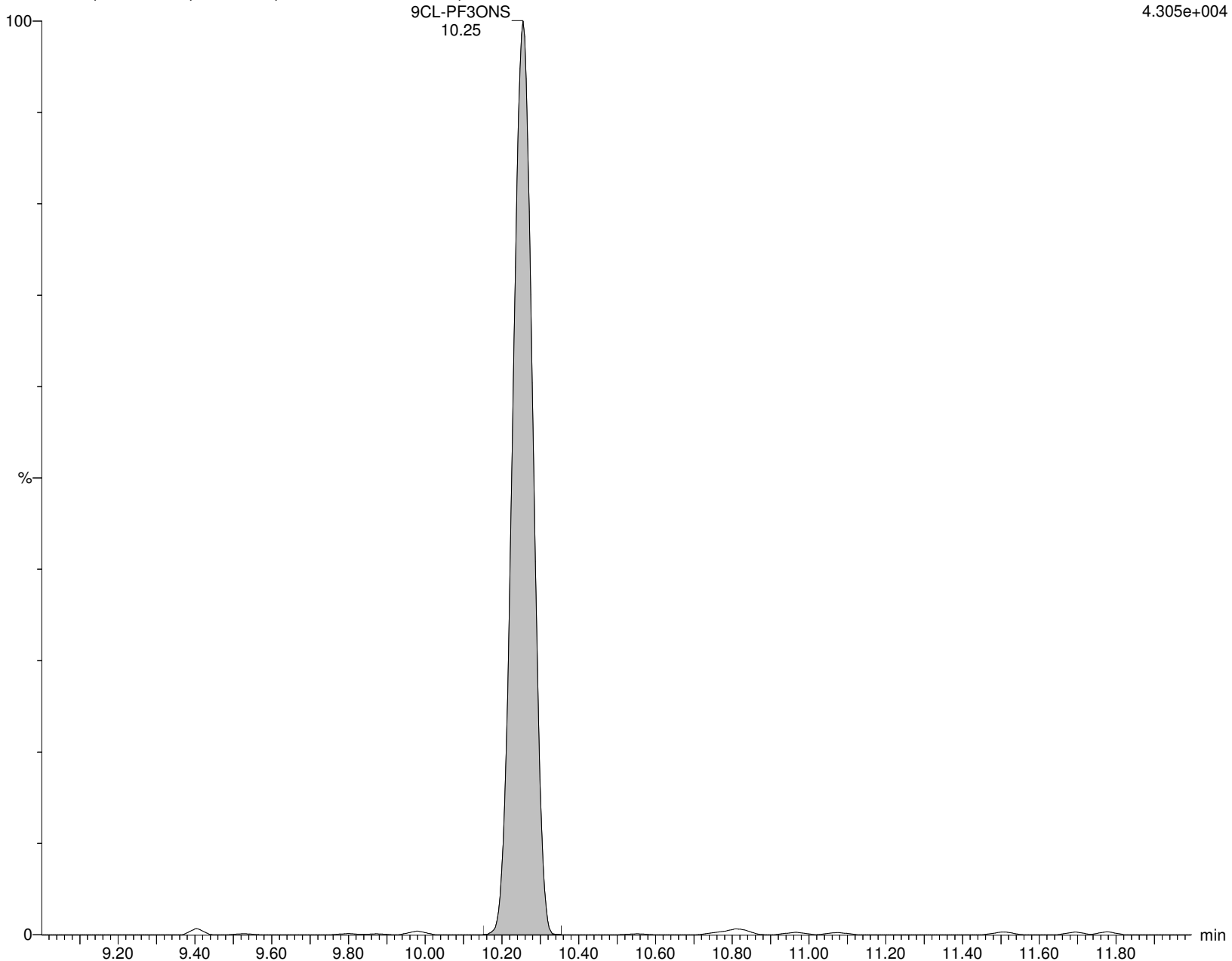
I18710 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F41:MRM of 1 channel, ES-

530.862 > 350.843

4.305e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Monday, February 10, 2020 09:50:24 Eastern Standard Time

Name: I18710

ID: WG1337913-5,537ILOW

Date: 07-Feb-2020

Time: 08:58:11

Description: WG1337913, WG1329799, ICAL16305, 537ILOW

User: LCMS02:JW

Vial: 1:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

11CL-PFOUdS

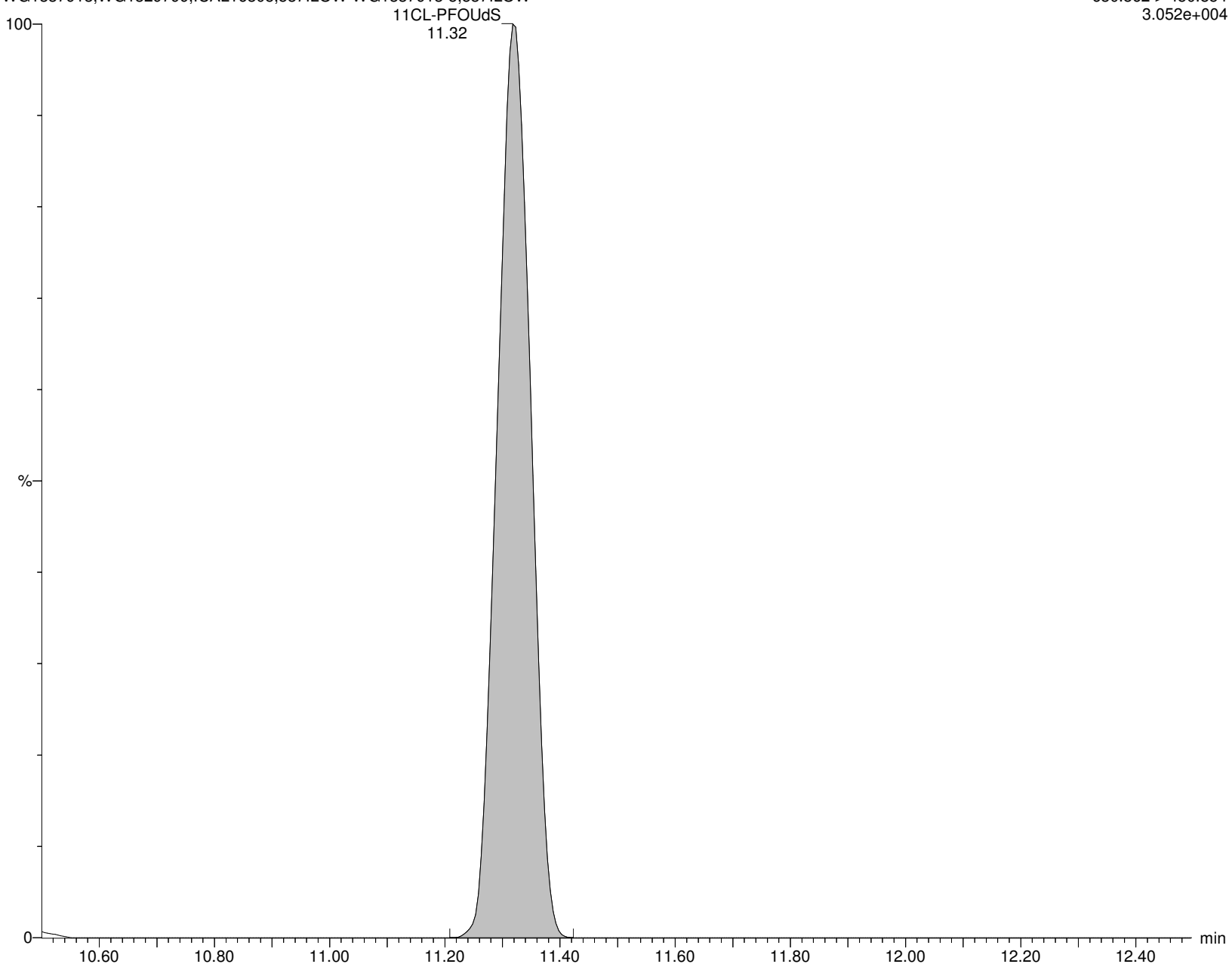
I18710 Smooth(Mn,2x5)

WG1337913, WG1329799, ICAL16305, 537ILOW WG1337913-5,537ILOW

F57:MRM of 1 channel, ES-

630.862 > 450.854

3.052e+004



Semivolatiles Raw QC Data

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld
Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time
Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22
Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1334679-1
Name: I18674
Date: 06-Feb-2020
Time: 23:02:15
Description: WG1337913, WG1334679, ICAL16305
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		212.926 > 169.111			ND		na	
2	M3PFBA	INT STD	2.20	215.926 > 172.122	47935		10.345		na	103.5
3	MPFBA	INT STD	2.19	216.926 > 172.137	49554		9.499		na	95.0
4	PFPeA	2706-90-3	5.04	262.926 > 219.002	1011		0.127		na	
5	M5PFPEA	INT STD	5.09	267.989 > 223.081	82290		11.122		na	111.2
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.73	301.989 > 80.254	10427		8.355		na	83.6
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.89	329.117 > 309.079	6907		8.525		na	85.2
10	PFHxA	307-24-4	6.97	312.989 > 269.028	695 M4		0.080		YES	
11	M5PFHxA	INT STD	6.97	317.989 > 273.045	94635		8.907		na	89.1
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9		362.926 > 319.014			ND		YES	
14	M4PFHpA	INT STD	8.23	366.926 > 321.979	132286		9.347		na	93.5
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.38	401.926 > 80.317	6427		8.922		na	89.2
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1		412.989 > 368.9			ND	0.00	YES	
21	PFOA	335-67-1		412.989 > 368.9	0		ND		na	
22	M8PFOA	INT STD	9.13	420.989 > 375.979	129277		9.519		na	95.2
23	M2PFOA	INT STD	9.13	415.032 > 369.968	138797		13.130		na	131.3
24	6:2FTS	27619-97-2		426.989 > 406.921			ND		YES	
25	M2-6:2FTS	INT STD	9.09	428.989 > 408.917	7001		8.842		na	88.4
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1		462.989 > 418.931			ND		YES	
28	M9PFNA	INT STD	9.88	472.053 > 426.947	133685		10.004		na	100.0
29	br-PFOS	1763-23-1		498.989 > 80.294			ND	0.00	NO	
30	L-PFOS	1763-23-1		498.989 > 80.294			ND	0.00	YES	
31	PFOS	1763-23-1		498.989 > 80.294	0		ND		na	
32	M4PFOS	INT STD	9.93	503.032 > 80.306	8916		12.766		na	127.7
33	M8PFOS	INT STD	9.93	507.053 > 80.294	8544		9.340		na	93.4
34	PFDA	335-76-2		513.053 > 468.906			ND		YES	
35	M2PFDA	INT STD	10.52	515.053 > 469.934	122689		13.896		na	139.0
36	M6PFDA	INT STD	10.52	519.053 > 473.931	121645		9.594		na	95.9
37	8:2FTS	39108-34-4		526.926 > 506.818			ND		na	
38	M2-8:2FTS	INT STD	10.51	529.053 > 508.945	4659		10.029		na	100.3
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

ID: WG1334679-1

Name: I18674

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.91	573.096 > 418.987	12675		8.777		na	87.8
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
43	NMeFOSAA	2355-31-9		570.053 > 418.917	0		ND		na	
44	PFUnA	2058-94-8		562.989 > 518.903			ND	0.00	YES	
45	M7-PFUDA	INT STD	11.07	570.053 > 524.923	119464		10.620		na	106.2
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6		497.989 > 78.245			ND		YES	
48	M8FOSA	INT STD	10.96	506.053 > 78.286	11342		3.783		na	37.8
49	d5-NEtFOSAA	INT STD	11.20	589.117 > 418.929	10111		7.926		na	79.3
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
52	NEtFOSAA	2991-50-6		583.989 > 418.927	0		ND		na	
53	PFDaA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.55	614.989 > 569.92	126798		10.047		na	100.5
55	PFTTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.33	715.053 > 669.945	86834		8.663		na	86.6

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

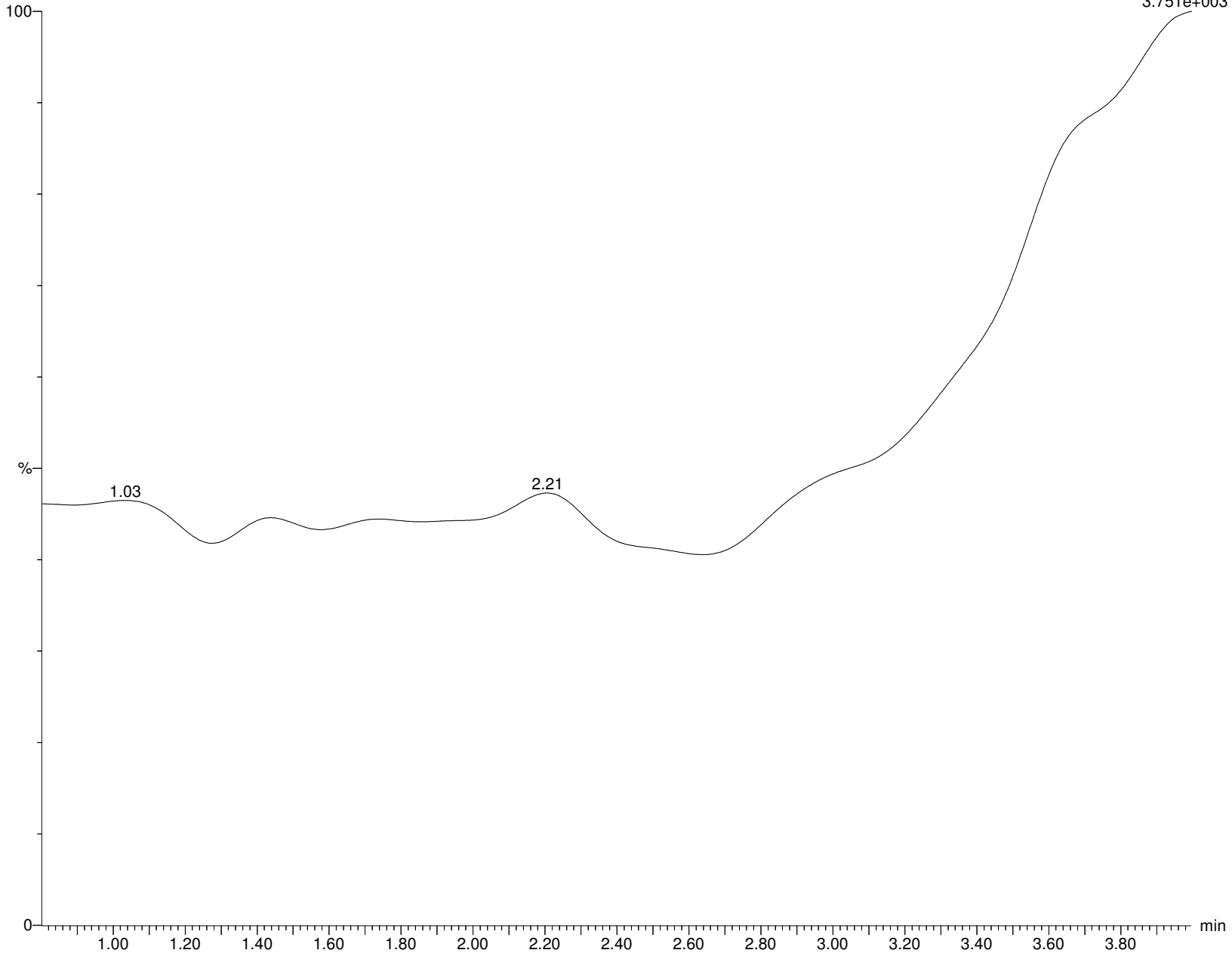
I18674 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F1:MRM of 1 channel,ES-

212.926 > 169.111

3.751e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

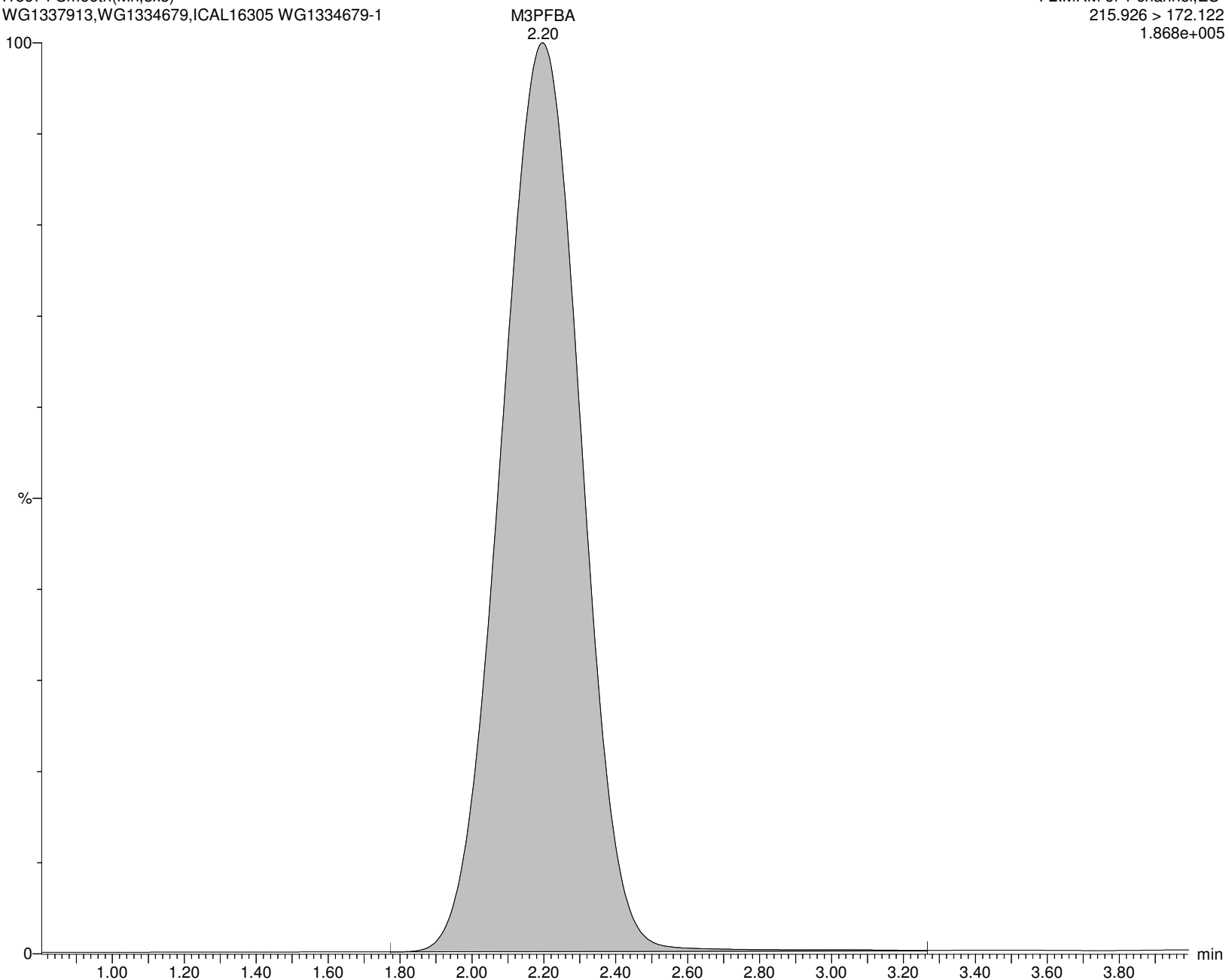
I18674 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.868e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

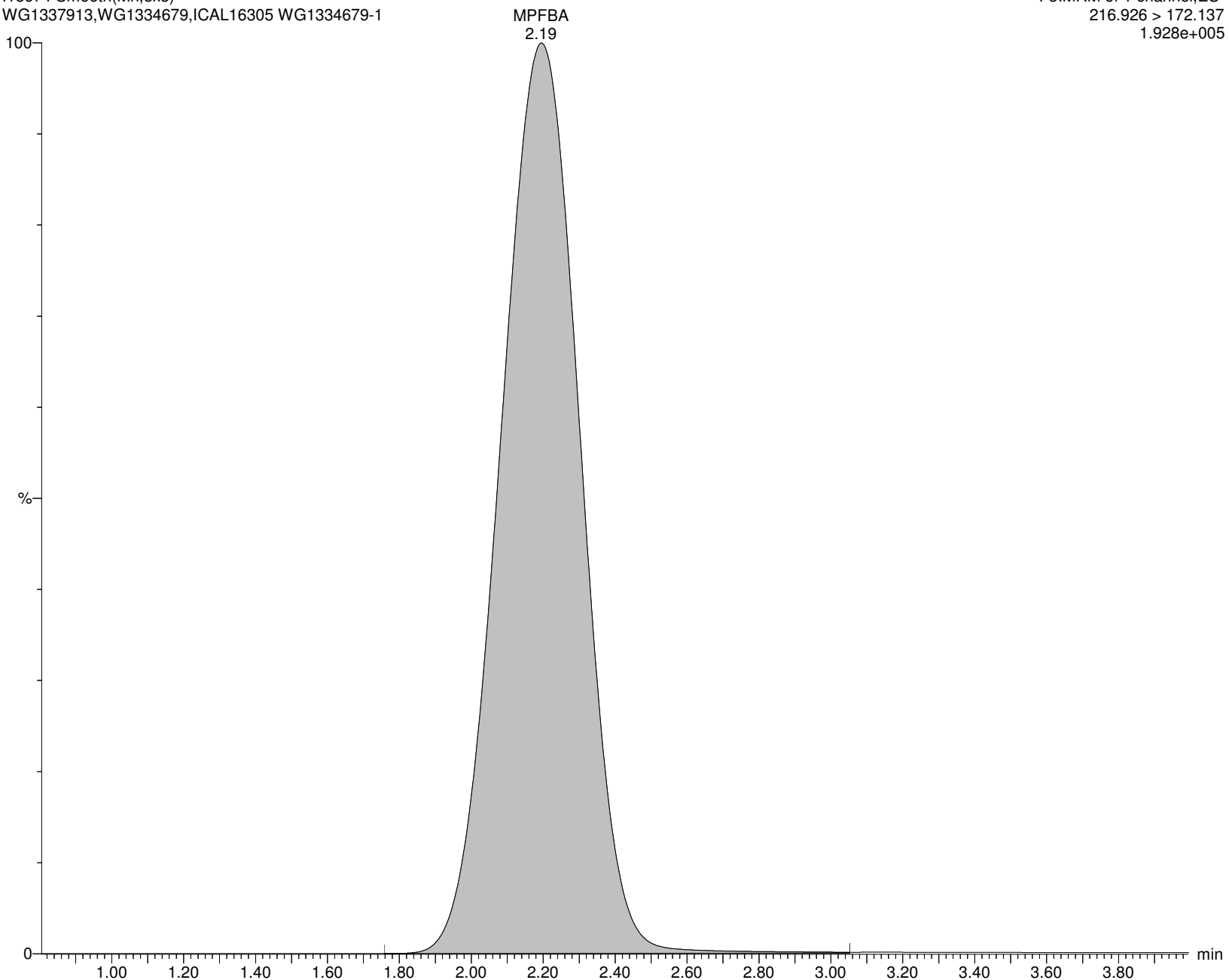
I18674 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F3:MRM of 1 channel, ES-

216.926 > 172.137

1.928e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

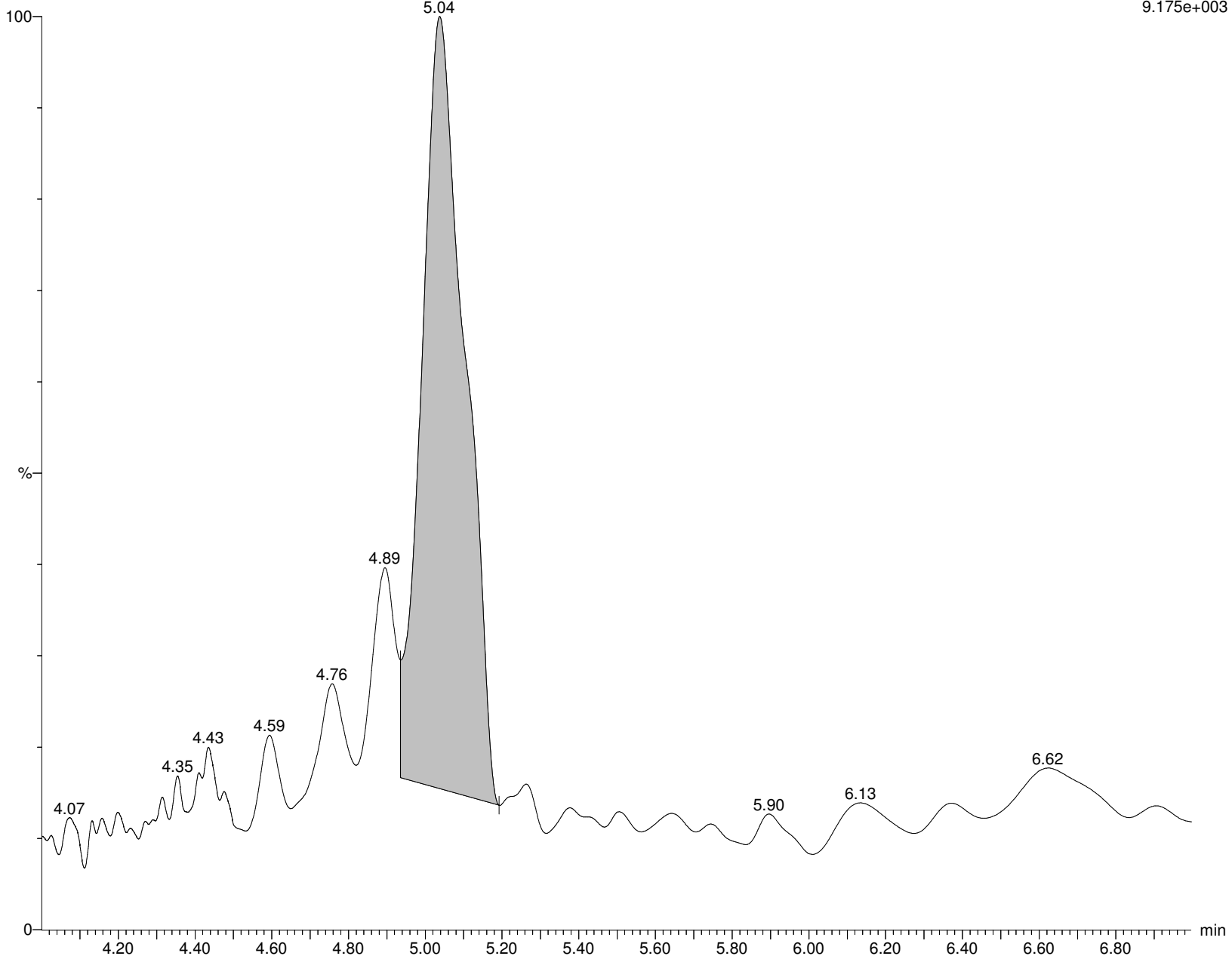
I18674 Smooth(Mn,7x7)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F4:MRM of 1 channel, ES-

262.926 > 219.002

9.175e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18674 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-1

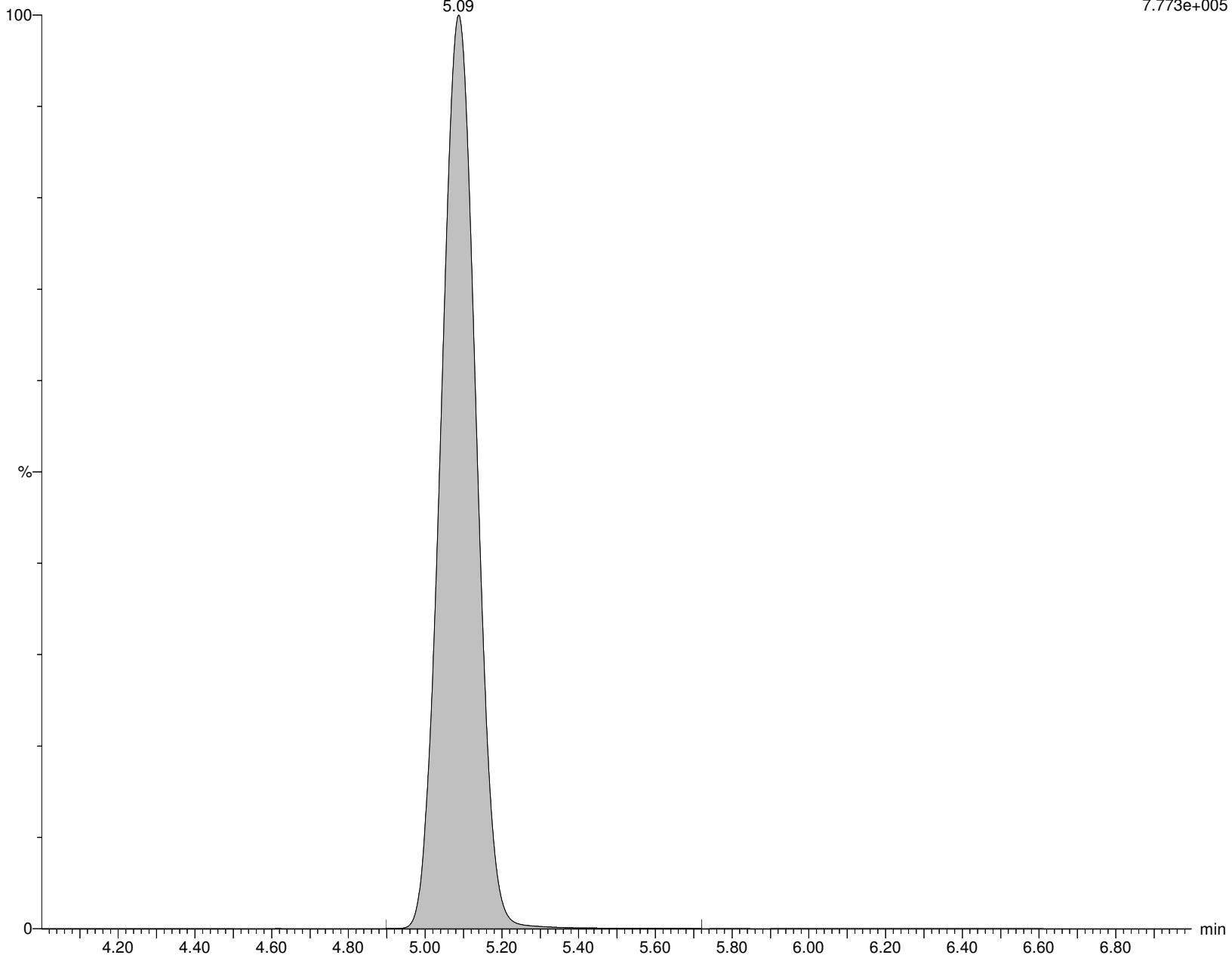
M5PFPEA

5.09

F5:MRM of 1 channel, ES-

267.989 > 223.081

7.773e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

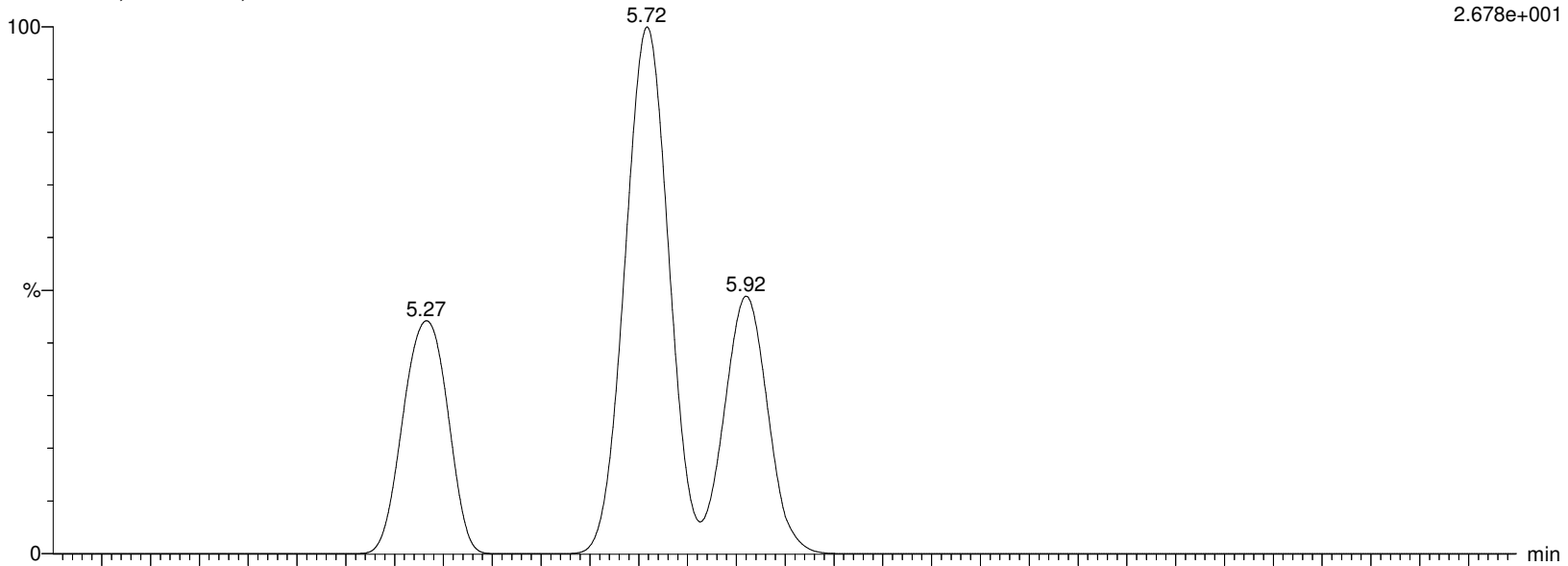
I18674 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F7:MRM of 2 channels, ES-

298.926 > 79.923

2.678e+001



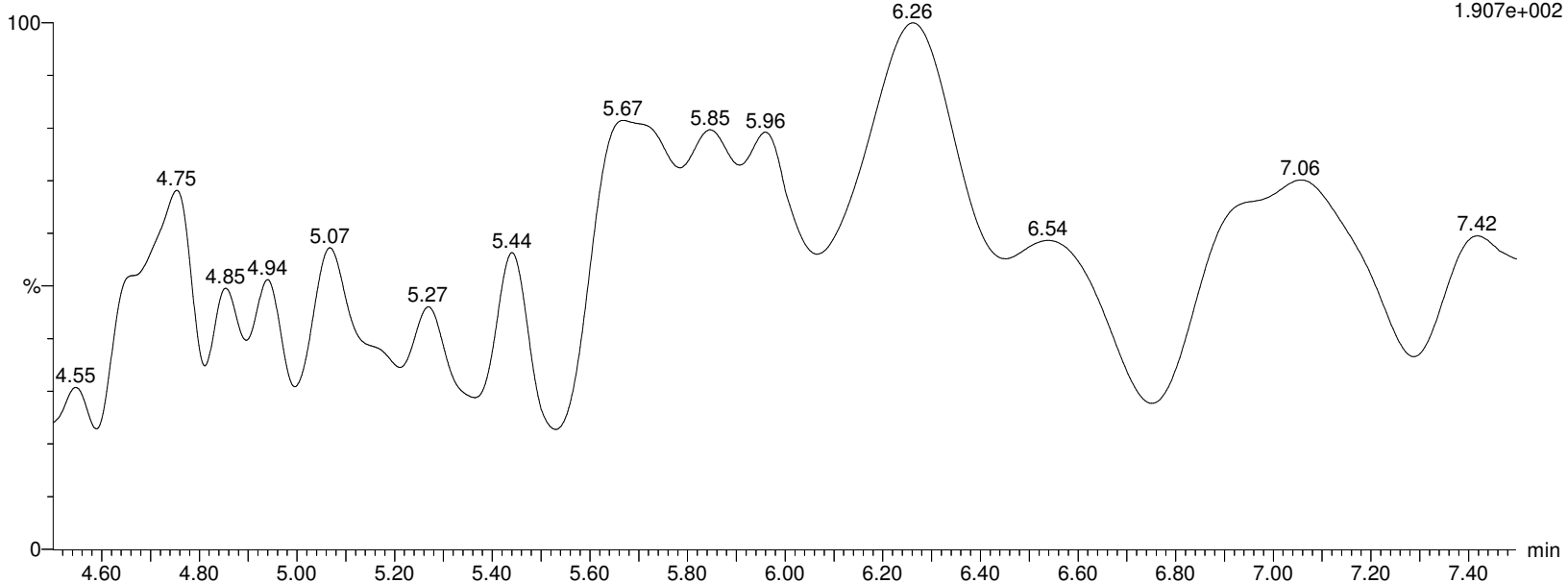
I18674 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F7:MRM of 2 channels, ES-

298.926 > 98.862

1.907e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

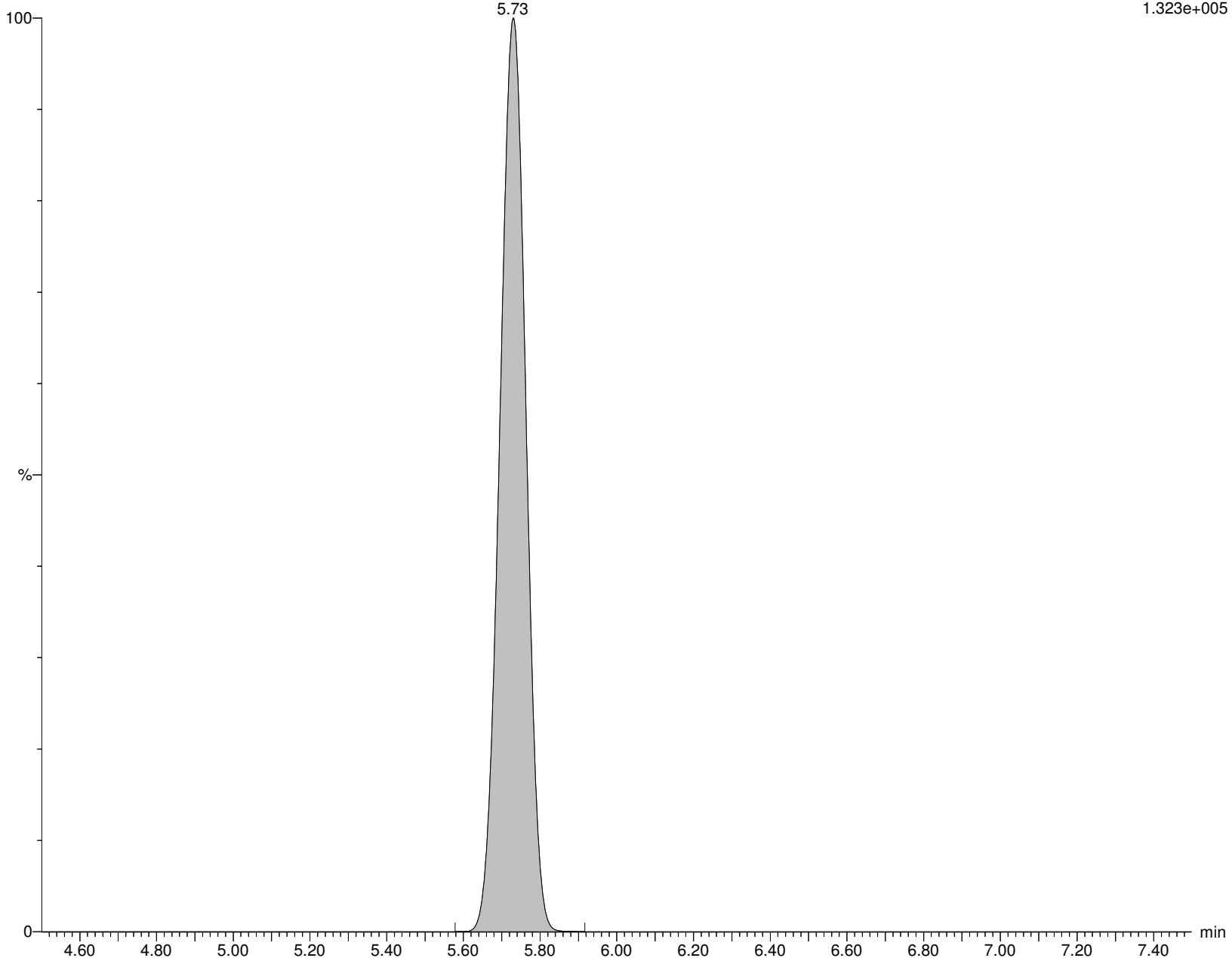
I18674 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.323e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

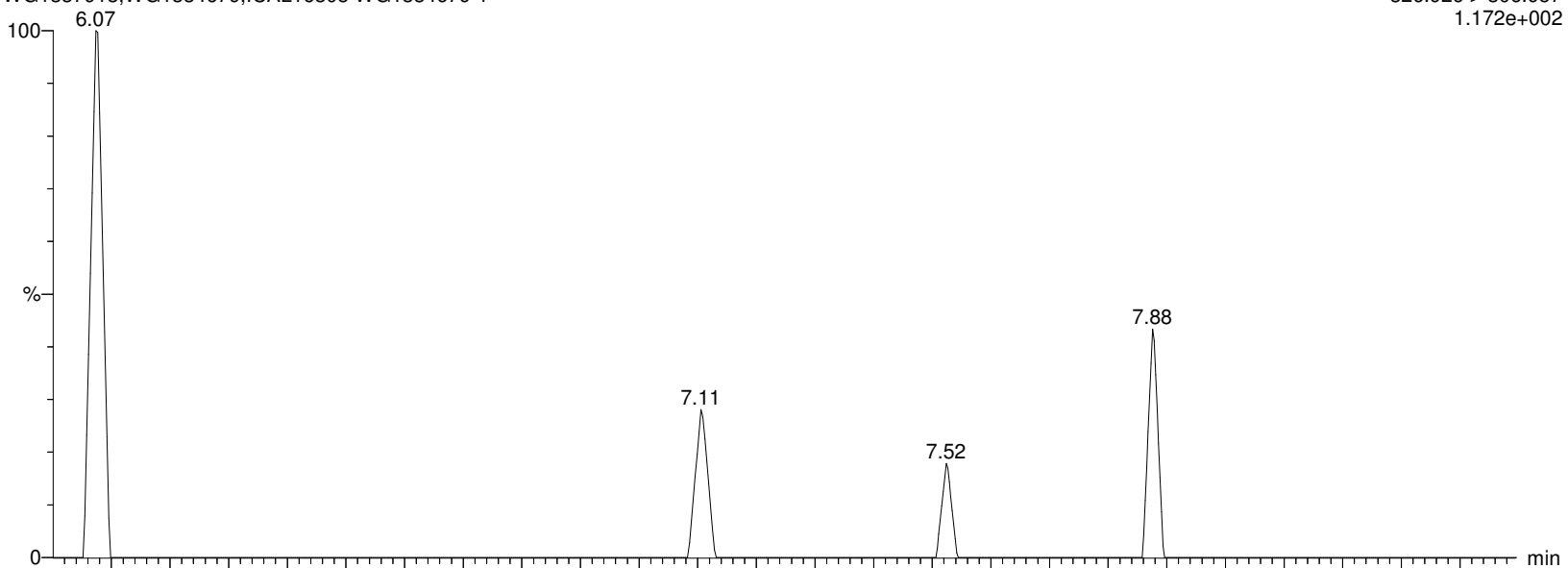
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.172e+002



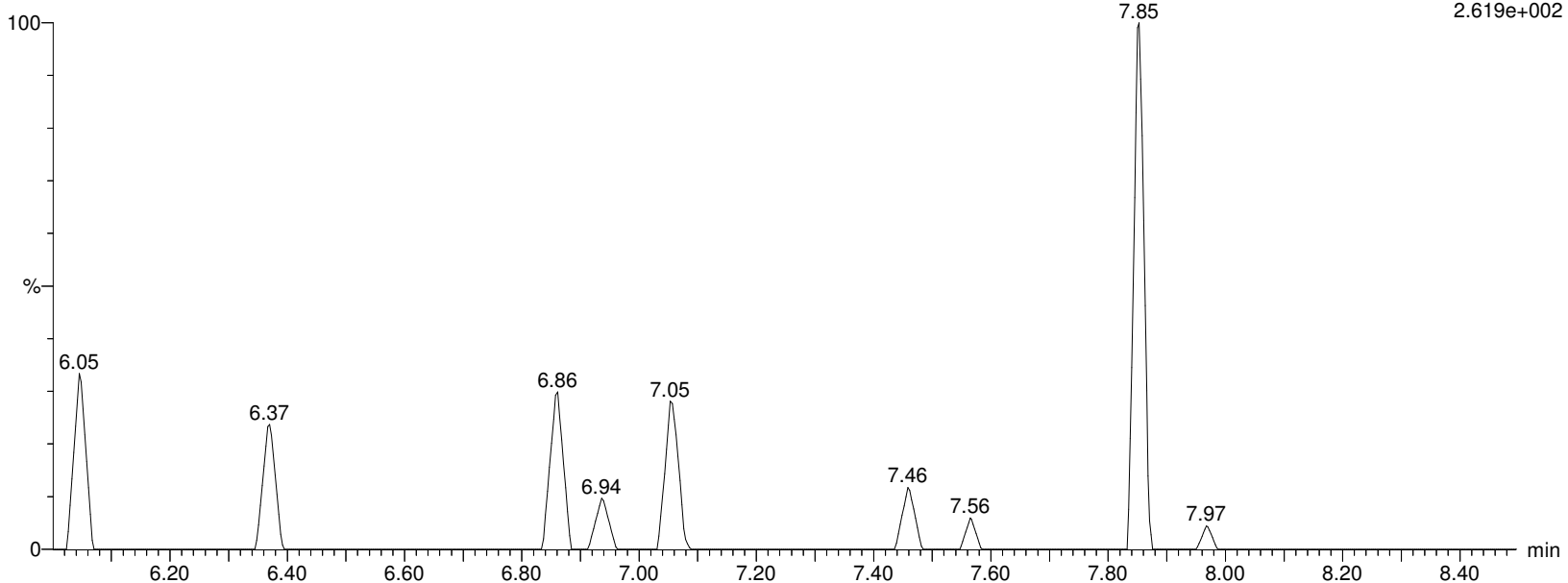
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F11:MRM of 2 channels, ES-

326.926 > 81.02

2.619e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

I18674 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-1

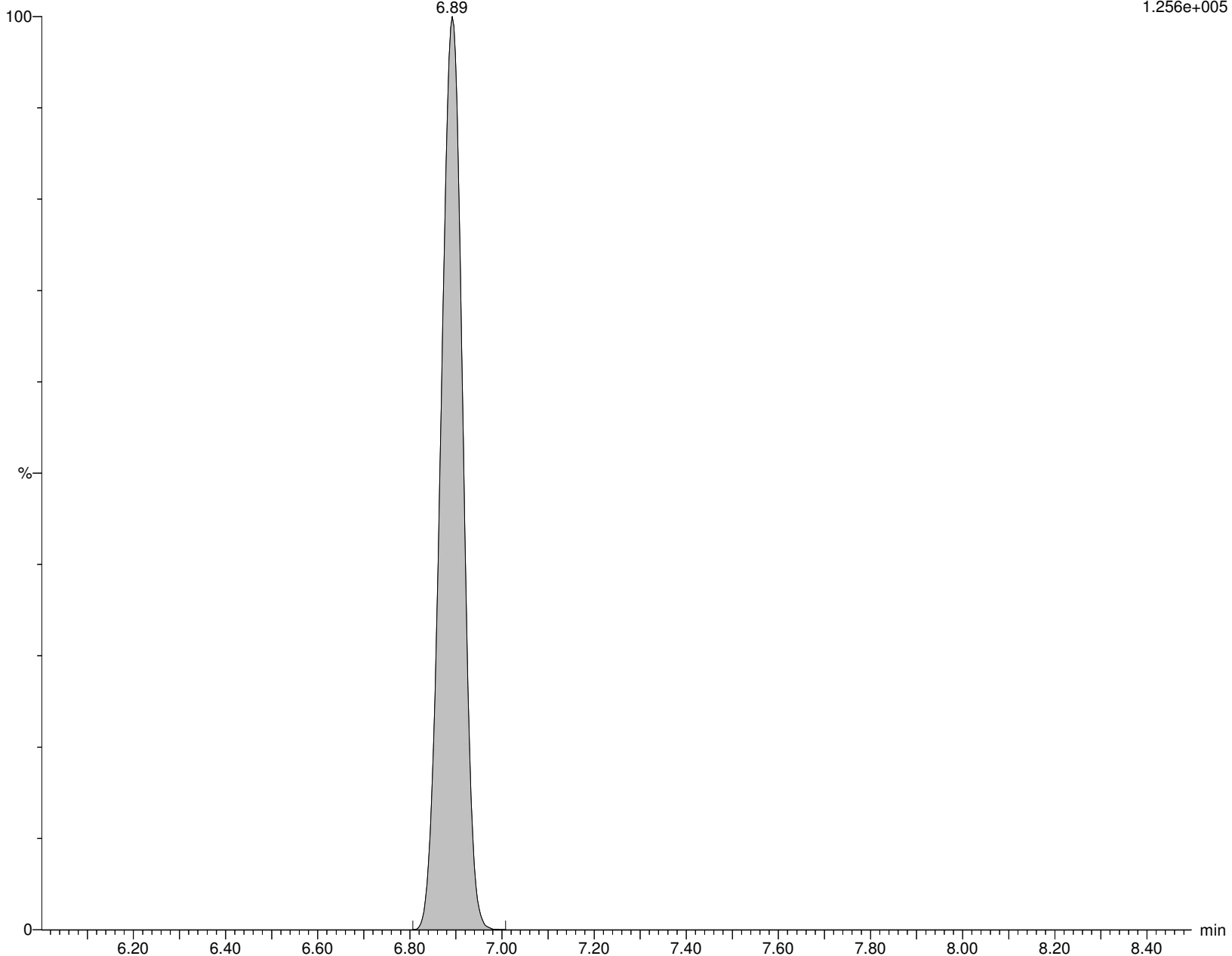
M2-4:2FTS

6.89

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.256e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

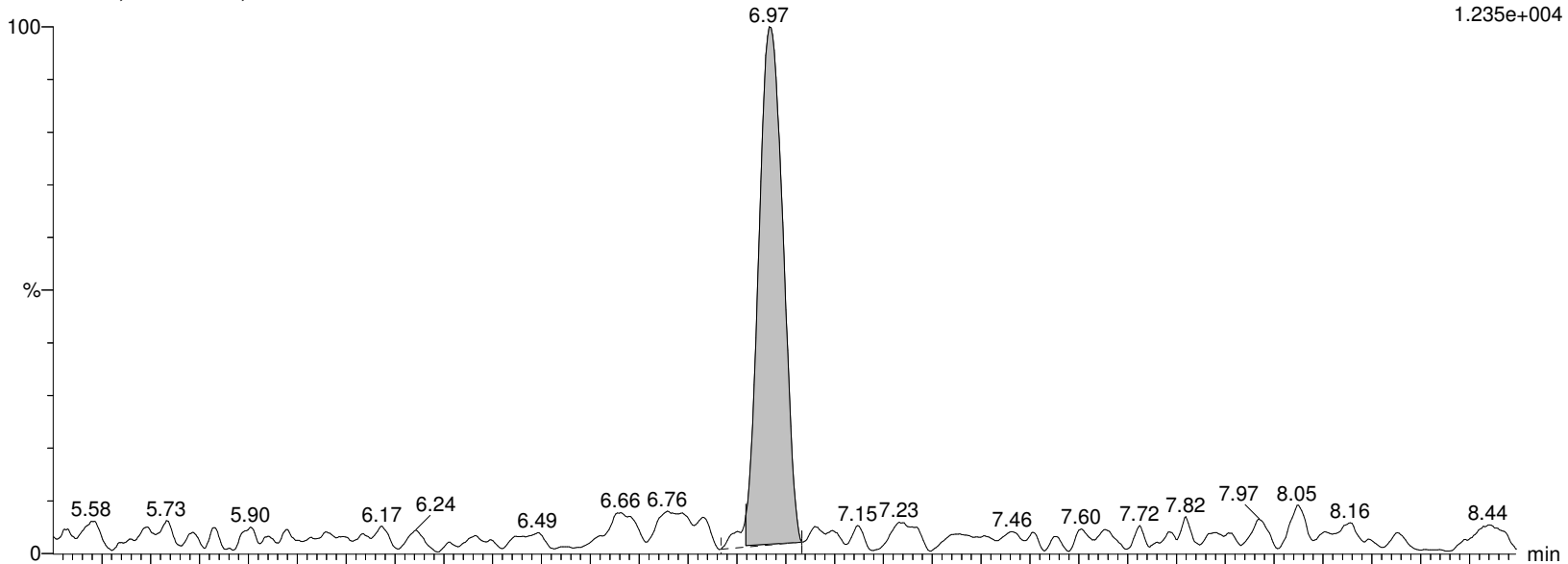
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.235e+004



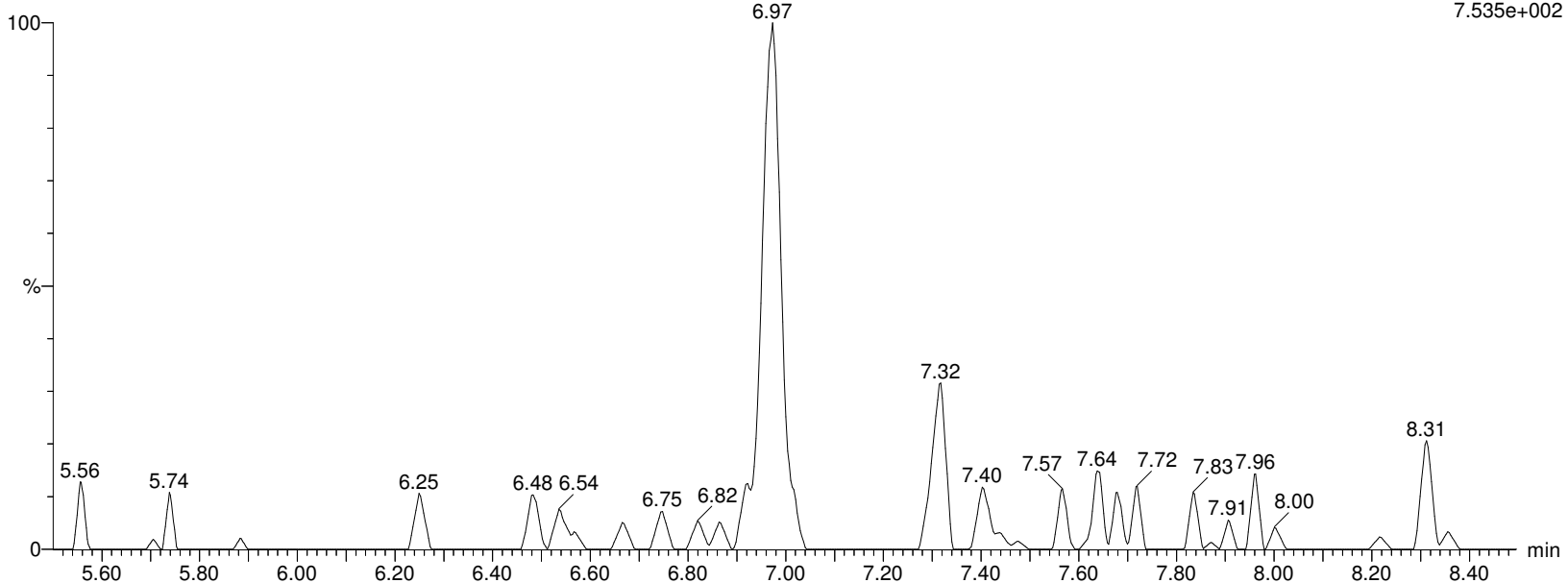
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F9:MRM of 2 channels, ES-

312.989 > 119.18

7.535e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

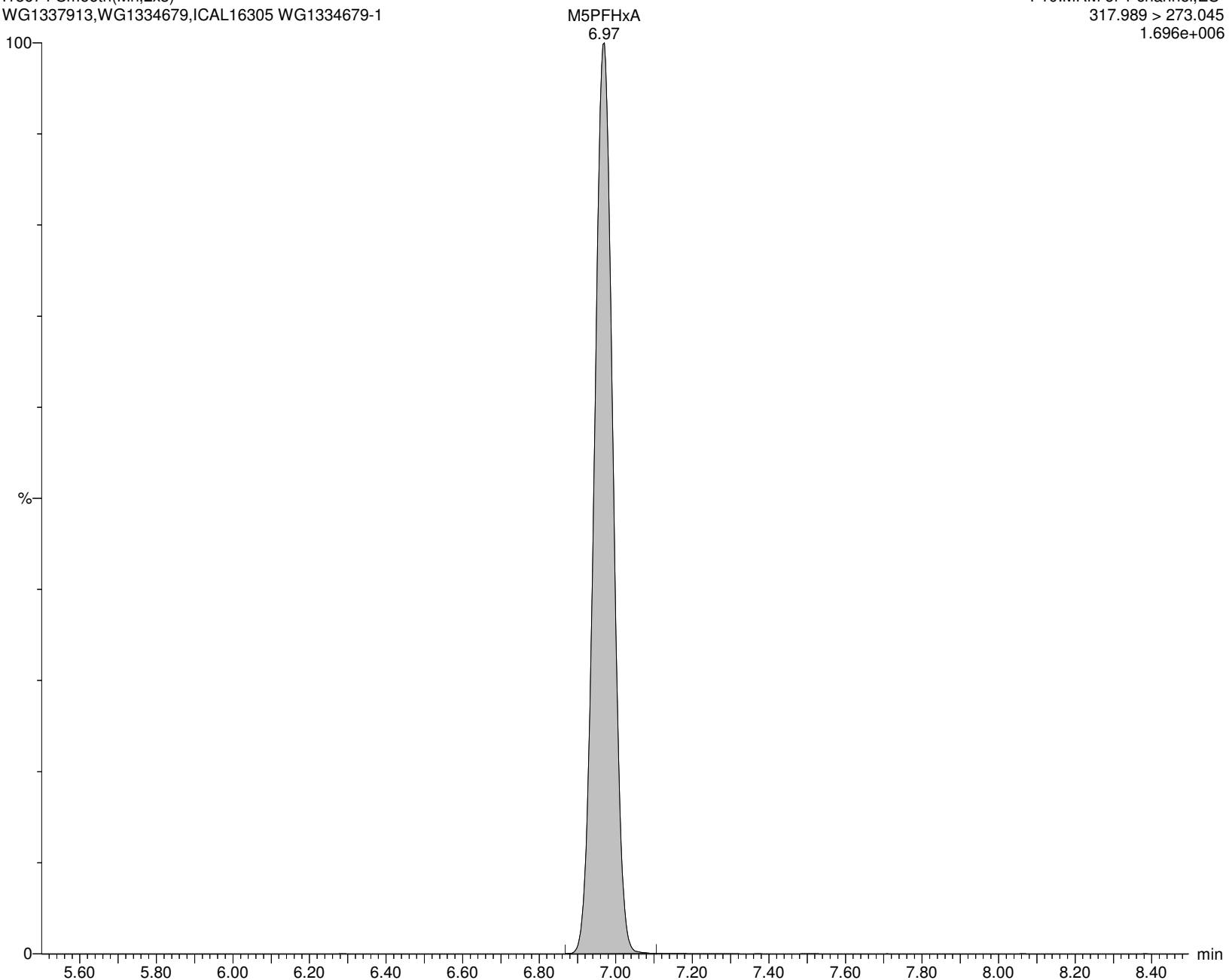
I18674 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-1

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.696e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeS**

I18674 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-1

F14:MRM of 2 channels,ES-

348.926 > 80.251

1.000e-003



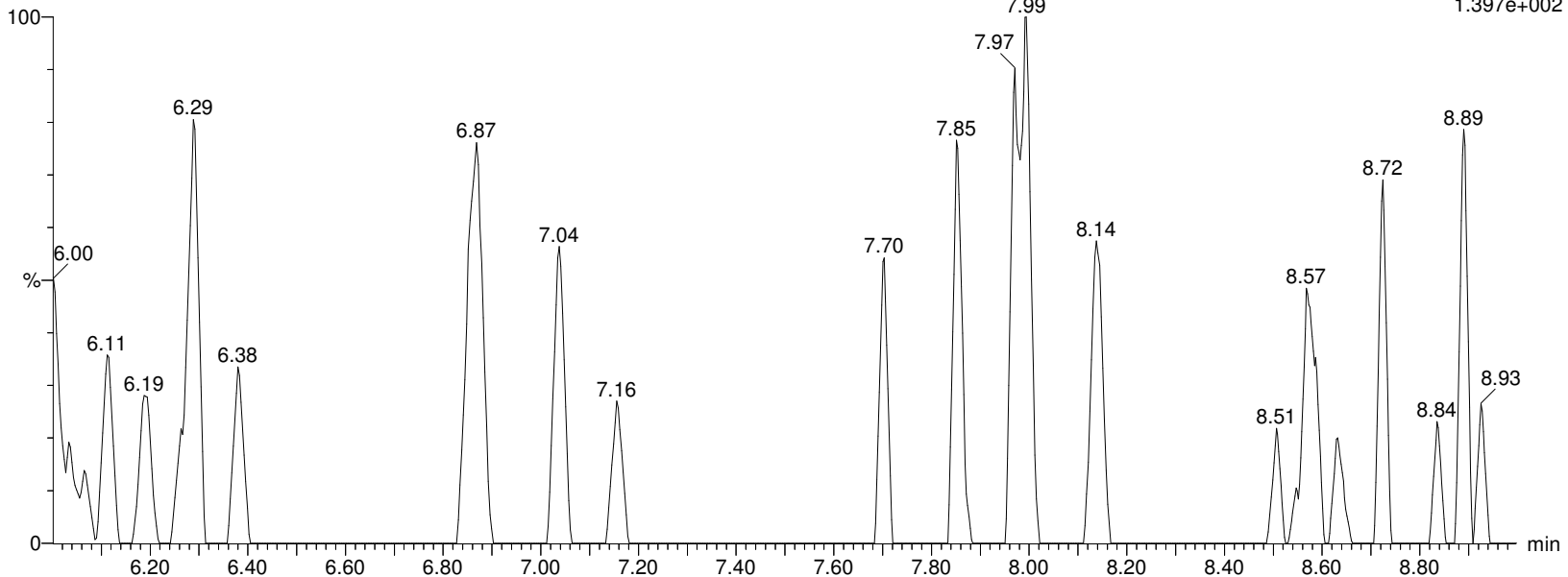
I18674 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-1

F14:MRM of 2 channels,ES-

348.926 > 99.16

1.397e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

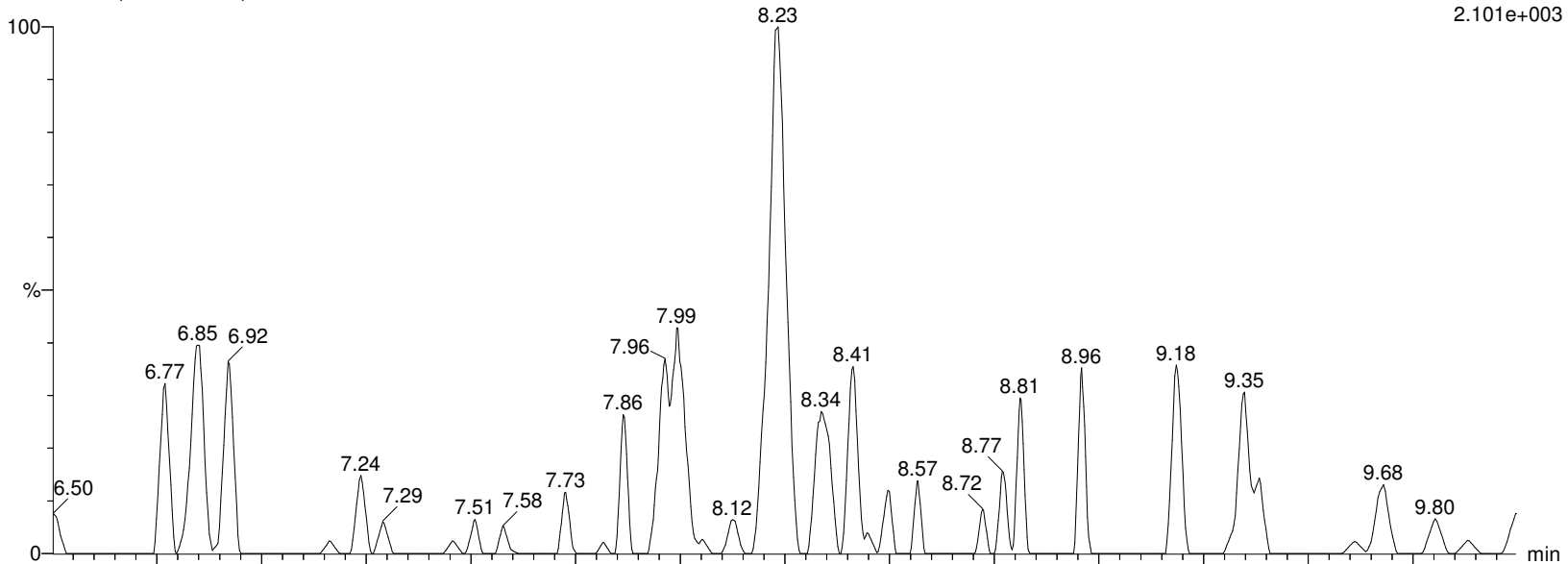
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F15:MRM of 2 channels, ES-

362.926 > 319.014

2.101e+003



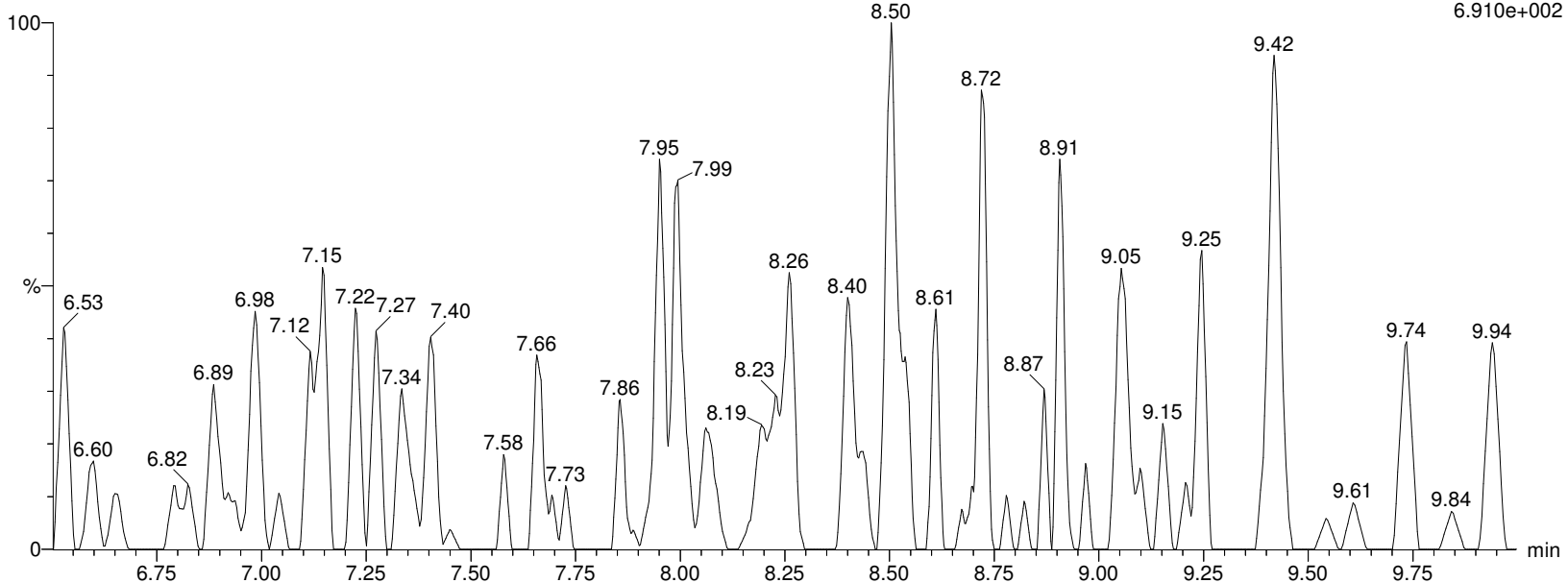
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F15:MRM of 2 channels, ES-

362.926 > 169.12

6.910e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

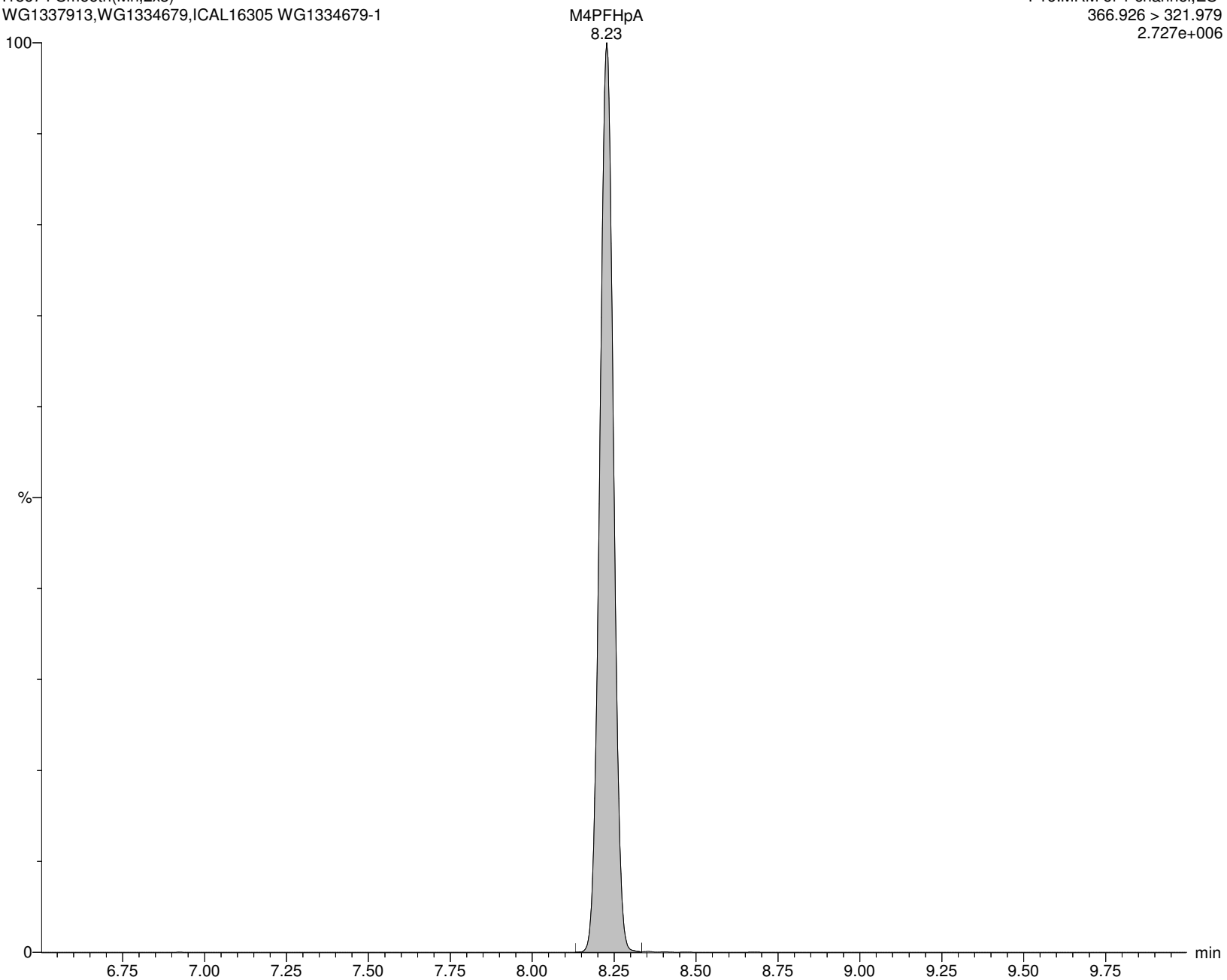
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F16:MRM of 1 channel, ES-

366.926 > 321.979

2.727e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.718e+002



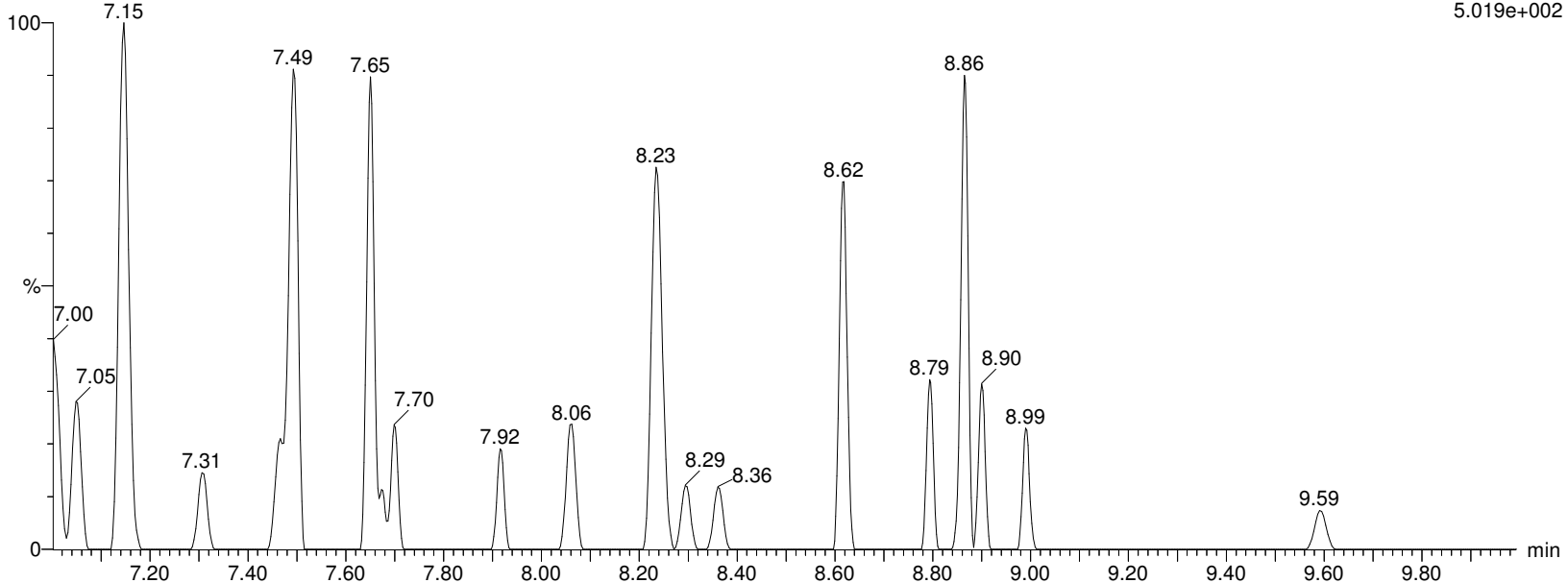
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.019e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.565e+002



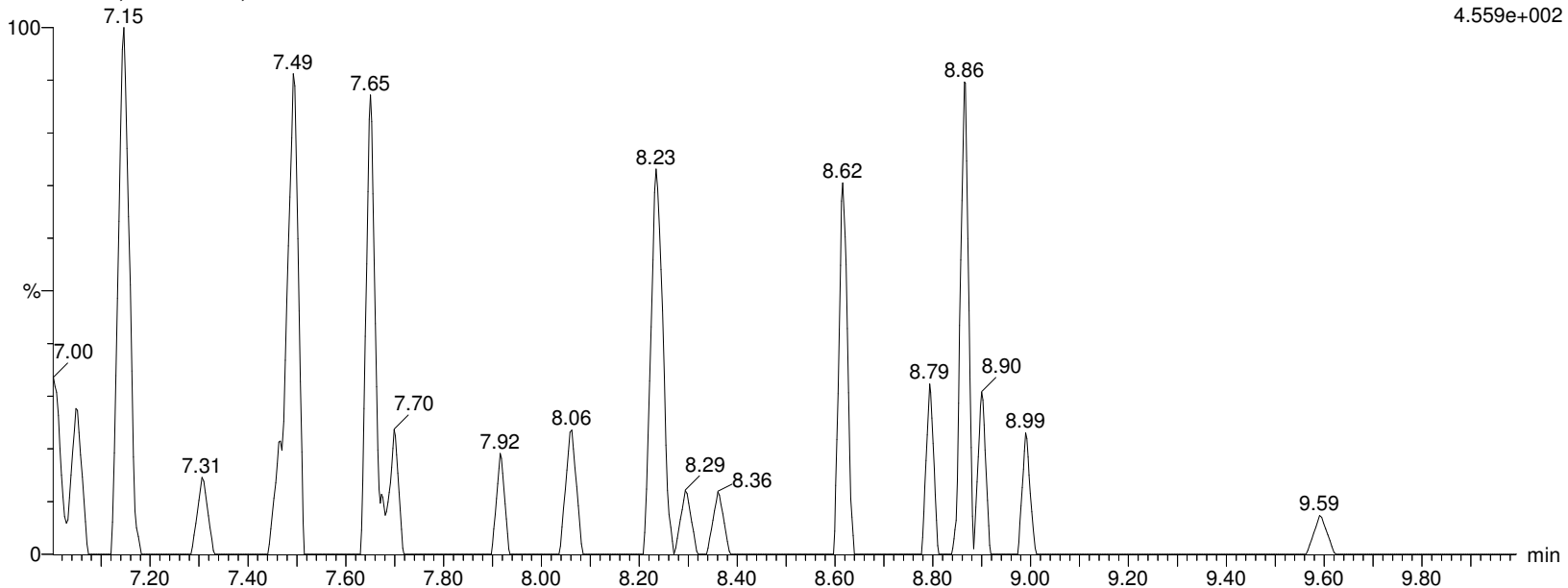
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.559e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.718e+002



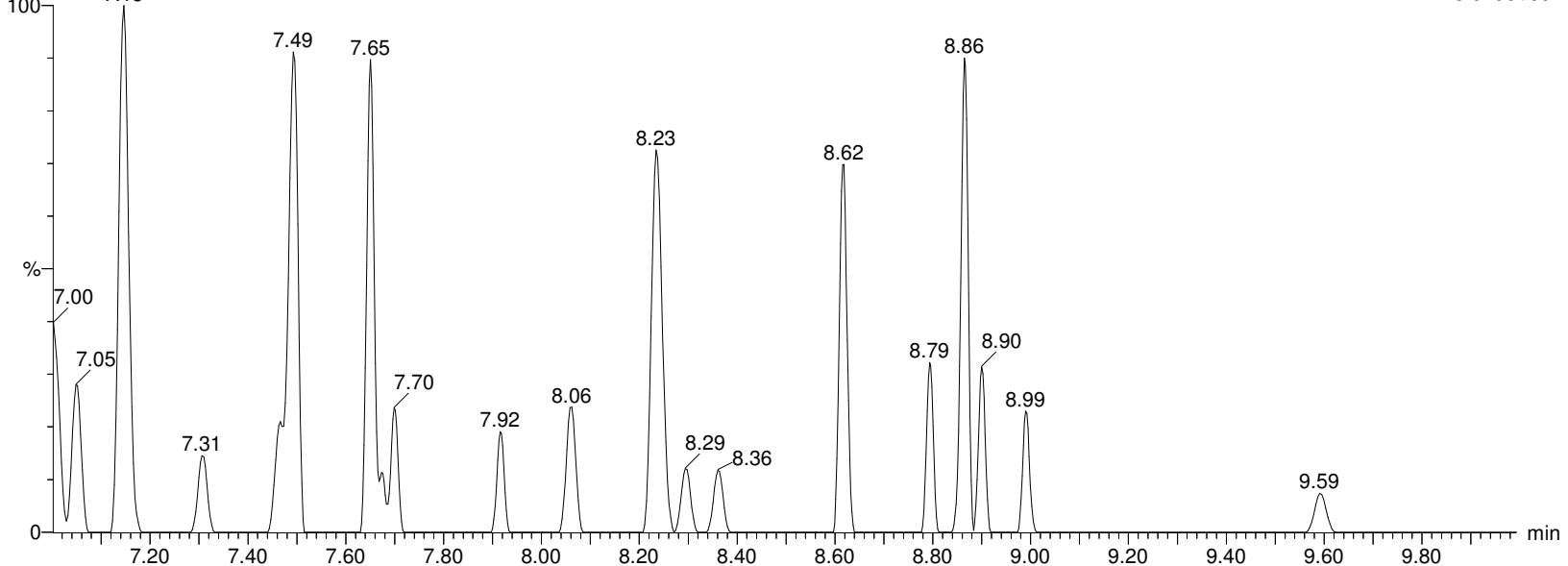
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.019e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

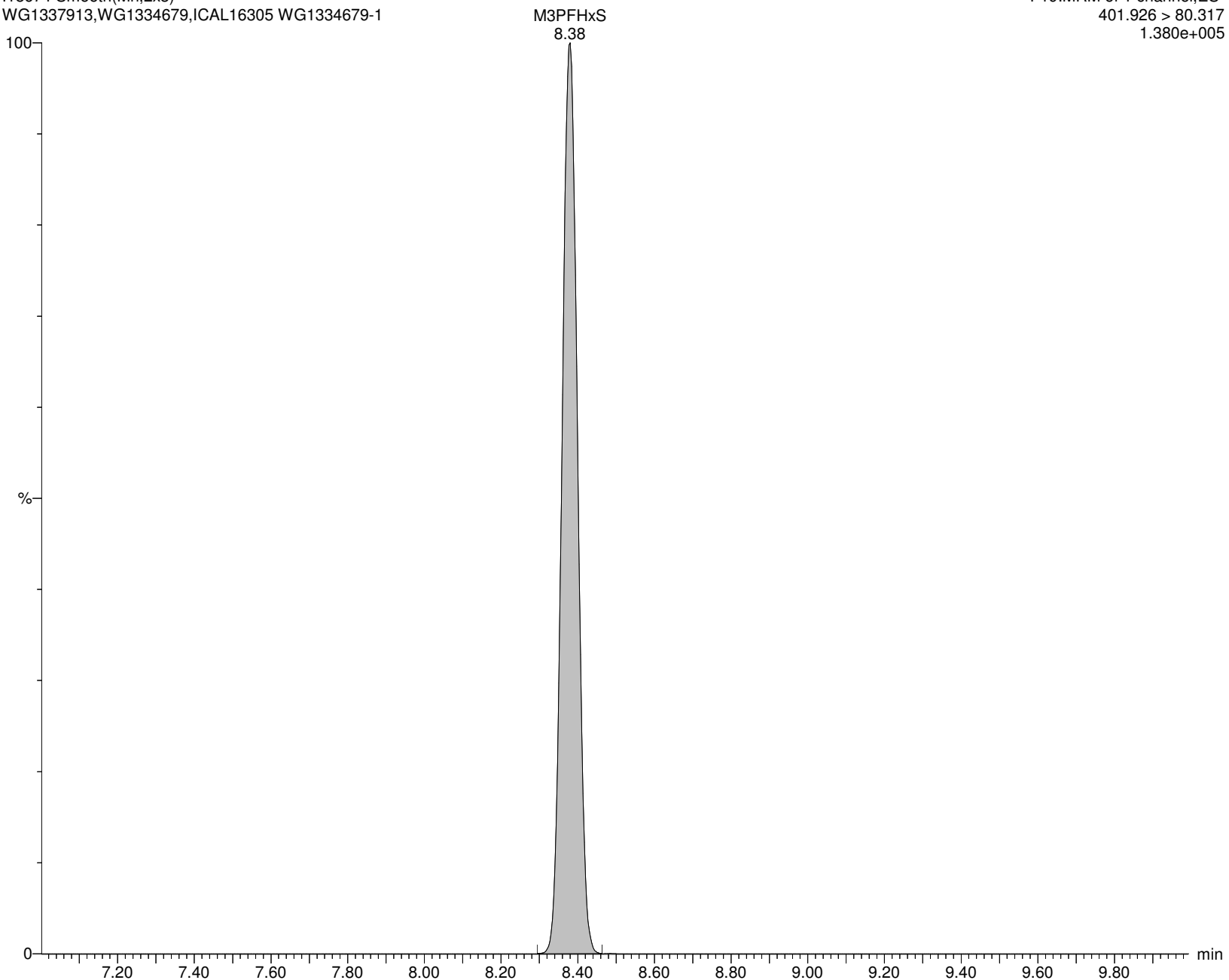
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.380e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

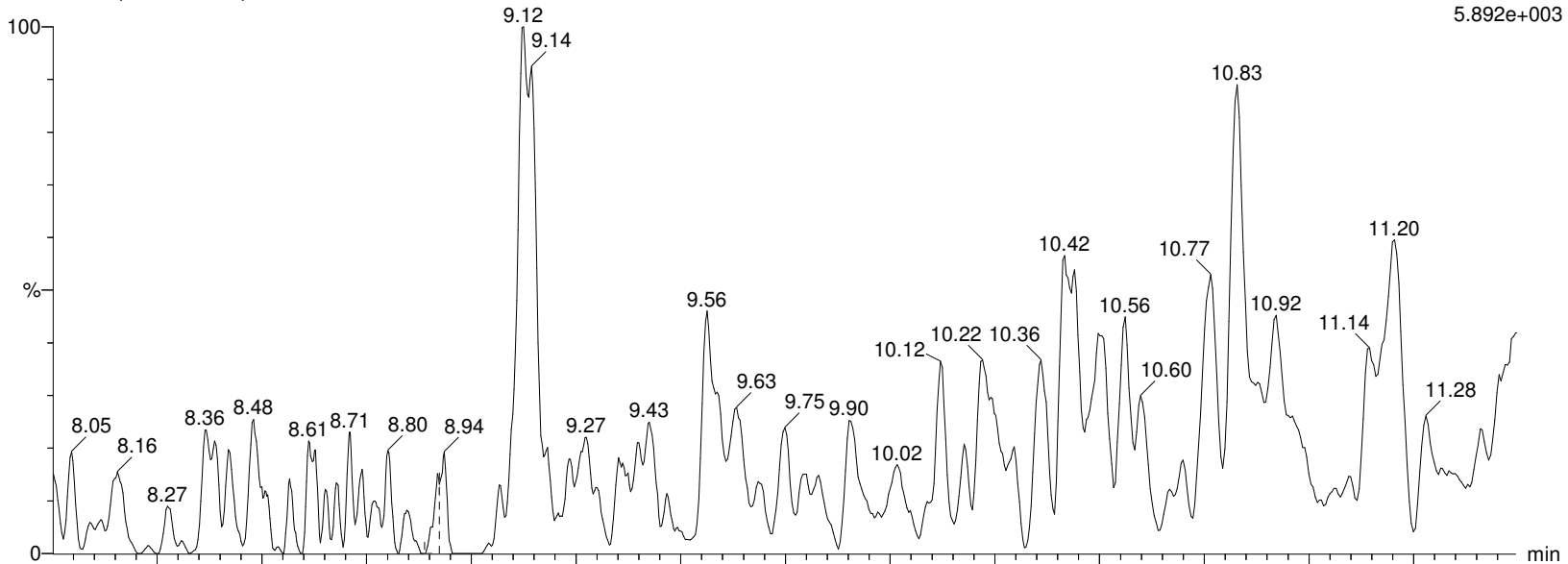
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 368.9

5.892e+003



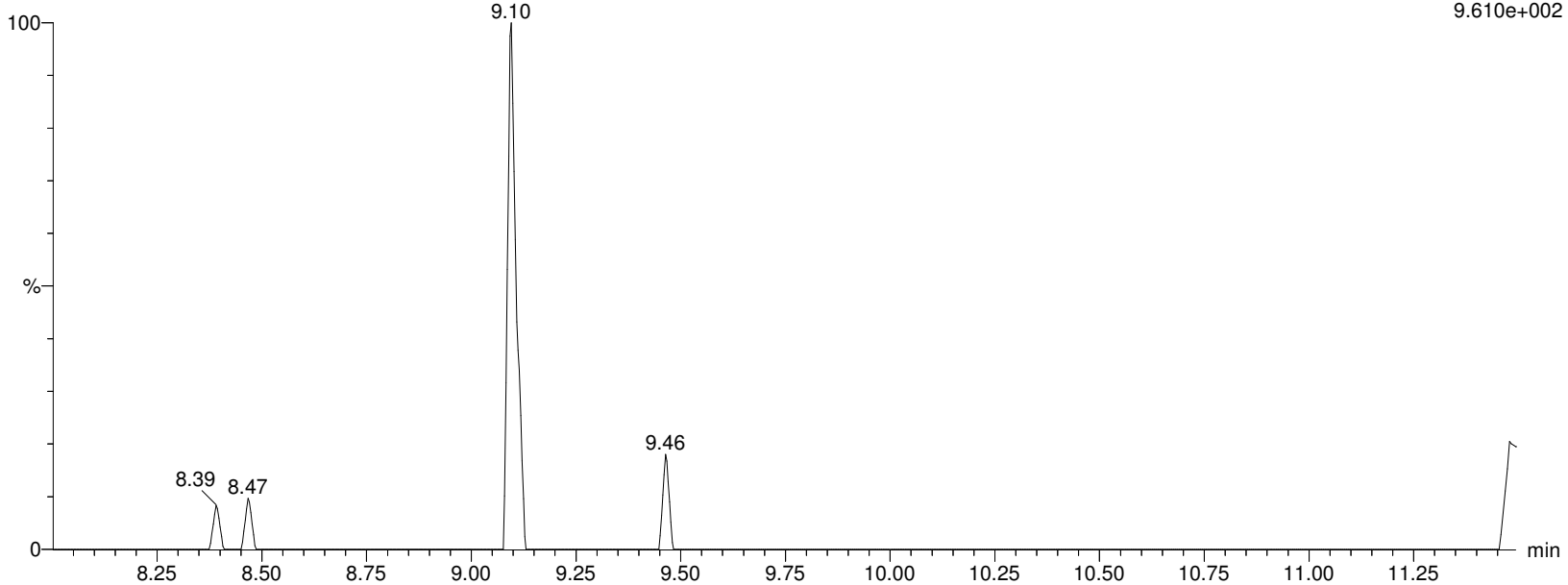
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.610e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18674

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Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

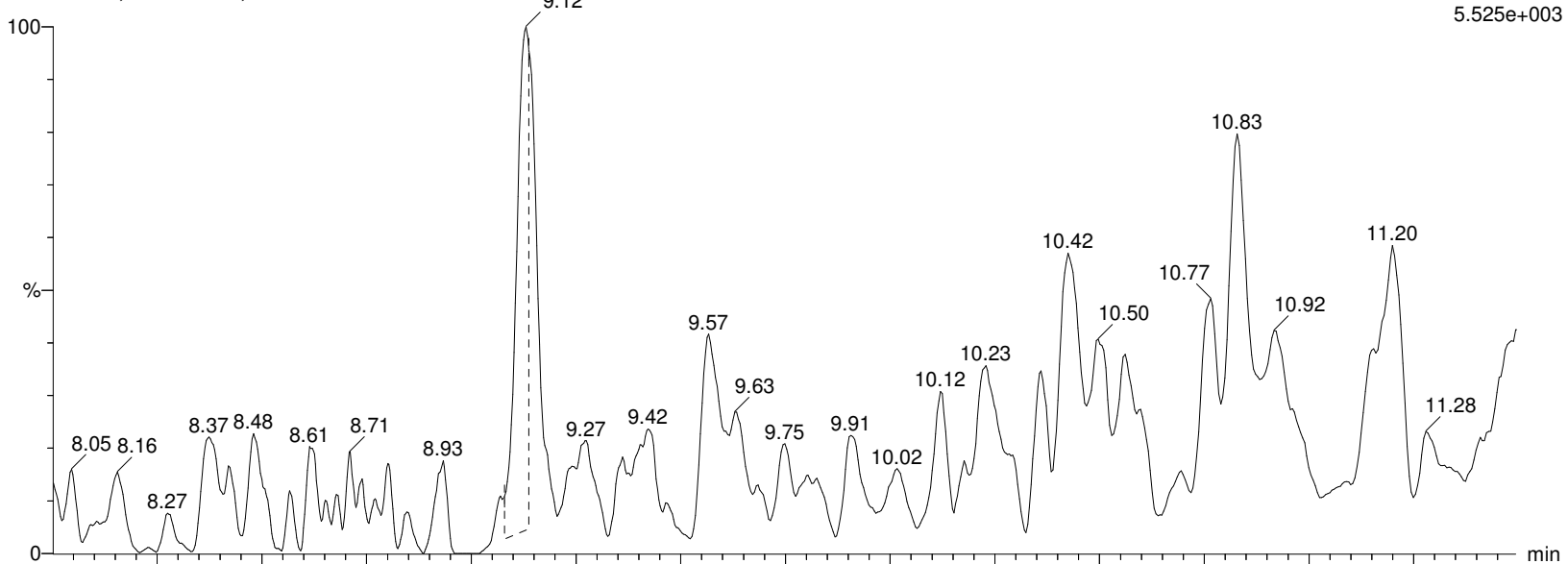
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 368.9

5.525e+003



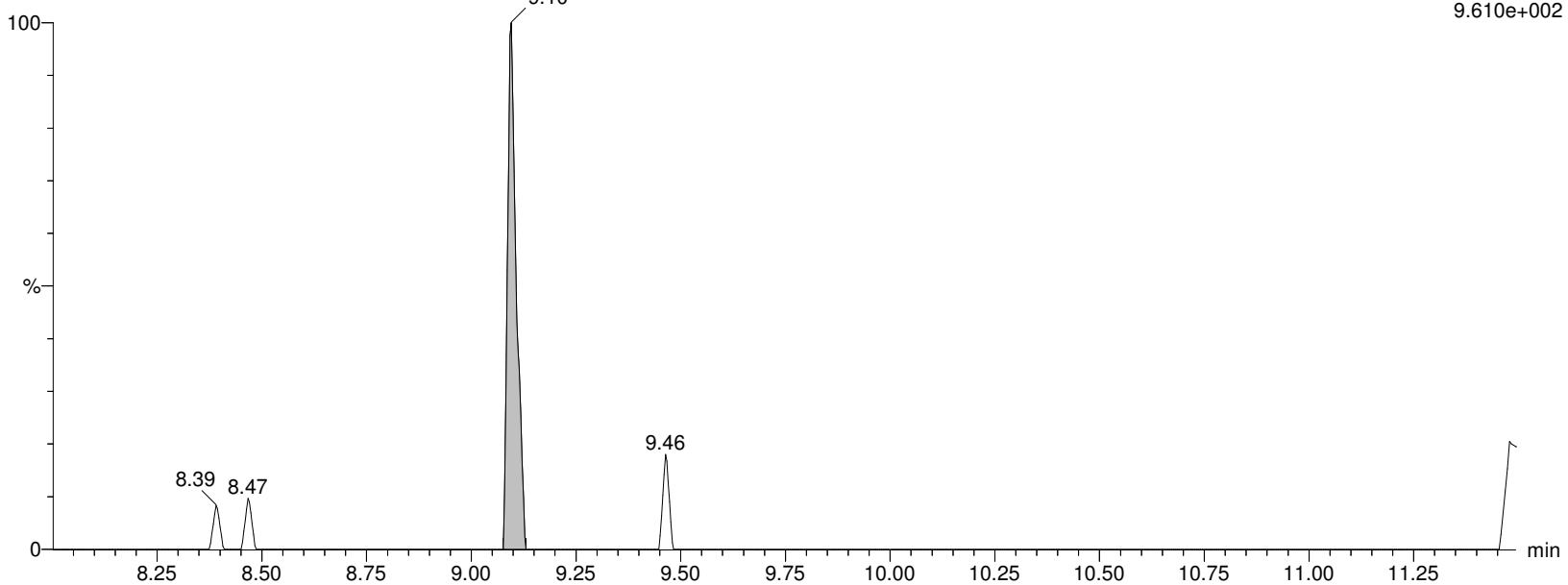
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.610e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

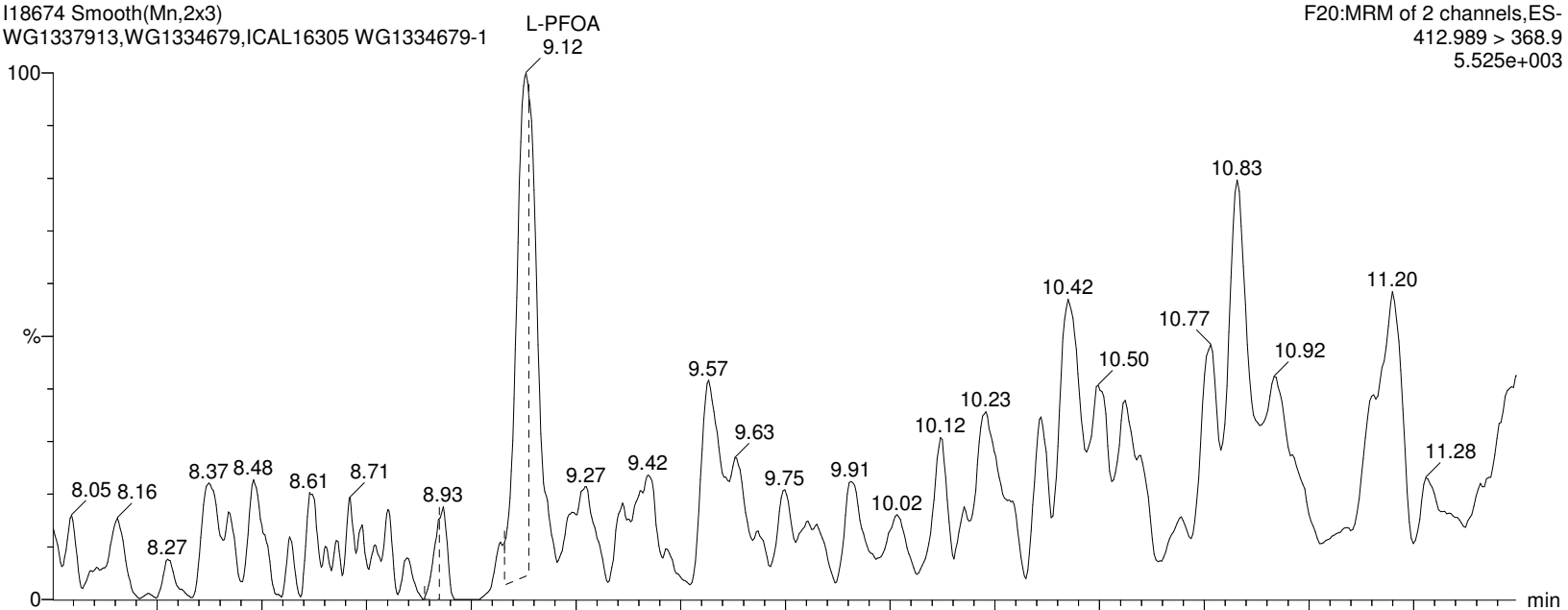
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 368.9

5.525e+003



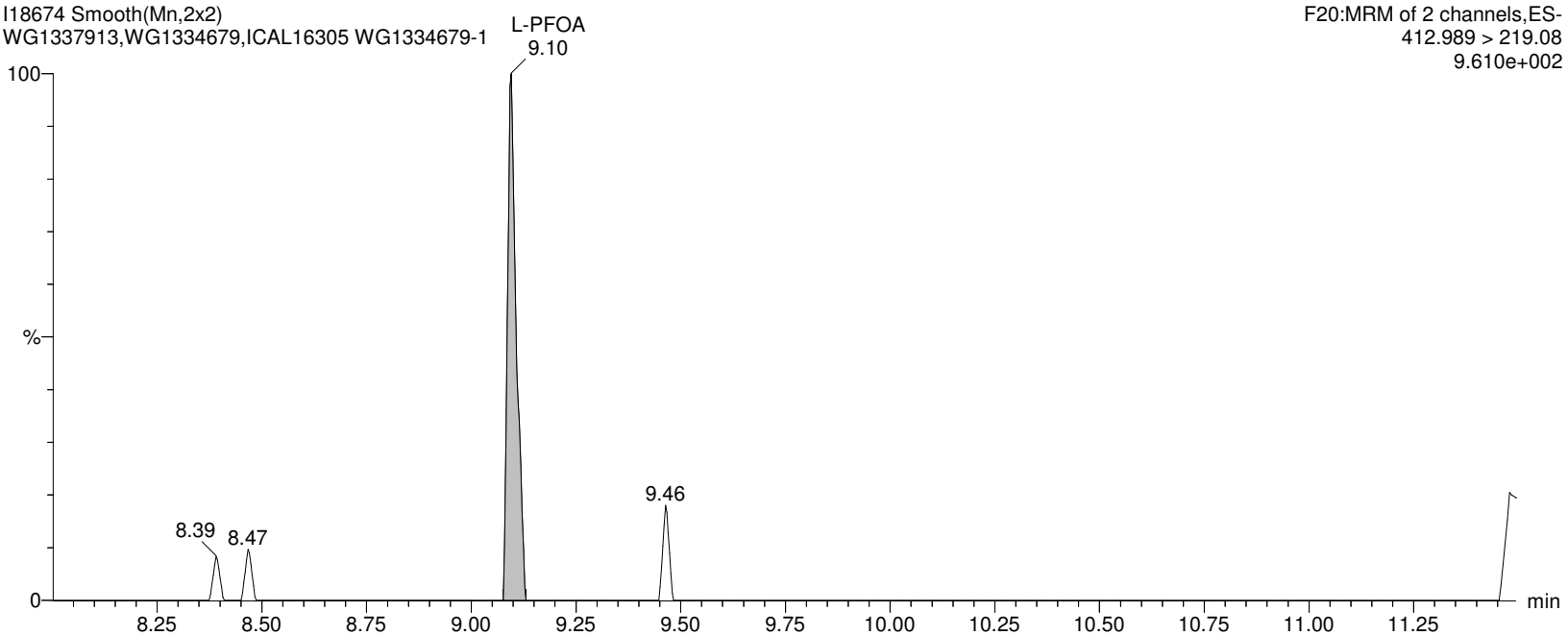
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.610e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I18674 Smooth(Mn,2x3)

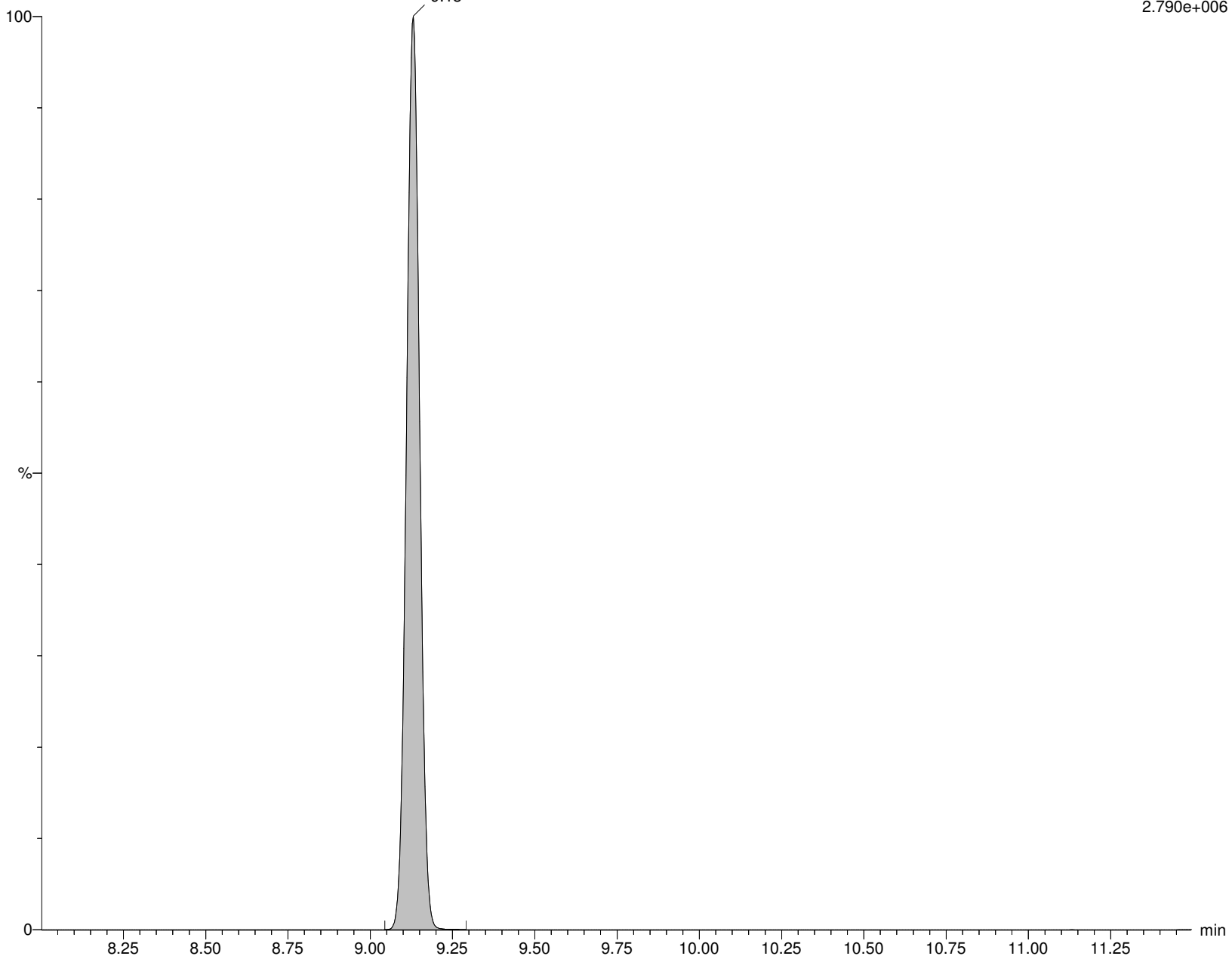
WG1337913, WG1334679, ICAL16305 WG1334679-1

M8PFOA
9.13

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.790e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18674 Smooth(Mn,2x2)

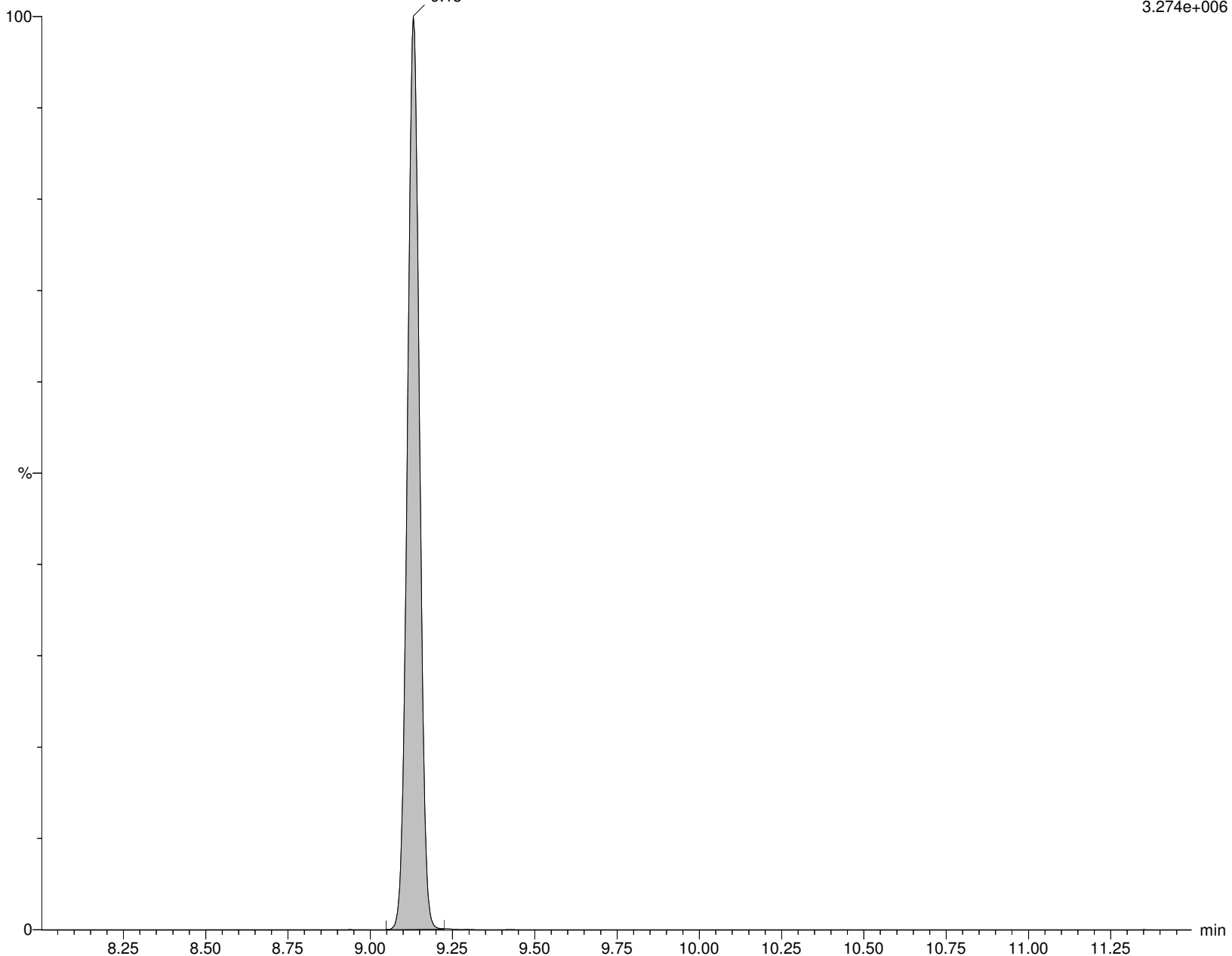
WG1337913, WG1334679, ICAL16305 WG1334679-1

M2PFOA
9.13

F21:MRM of 1 channel, ES-

415.032 > 369.968

3.274e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

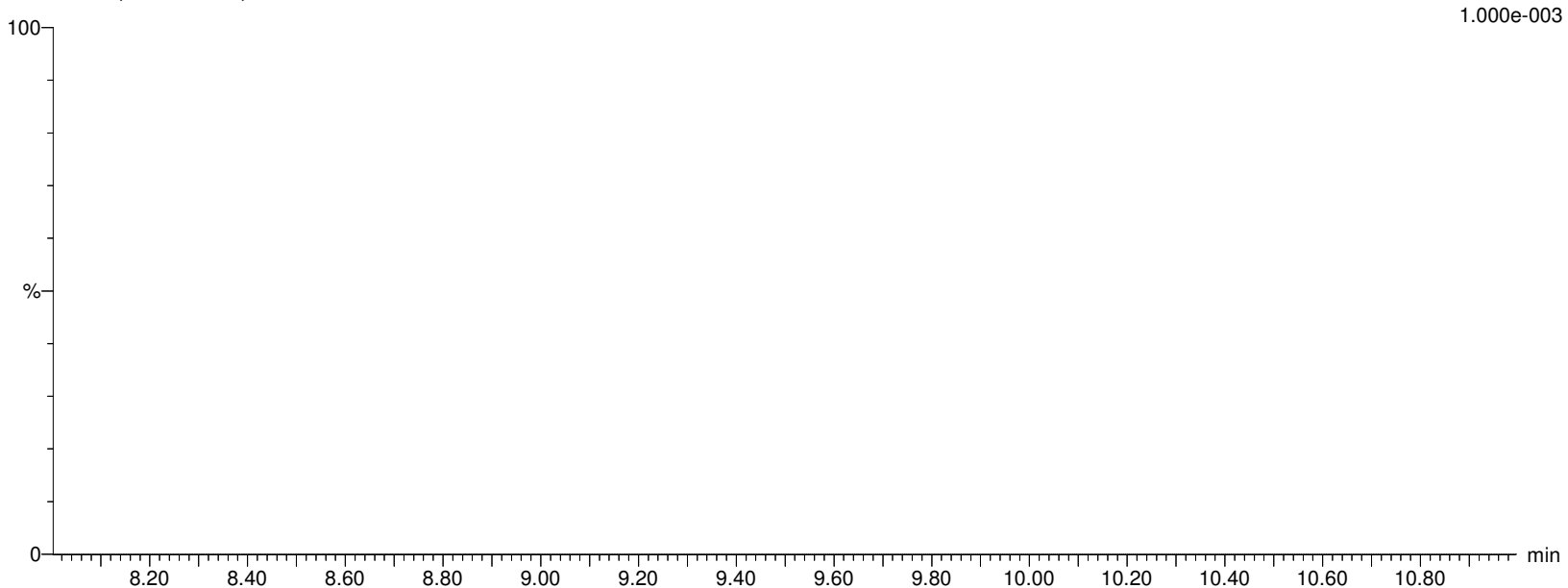
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1



I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I18674 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-1

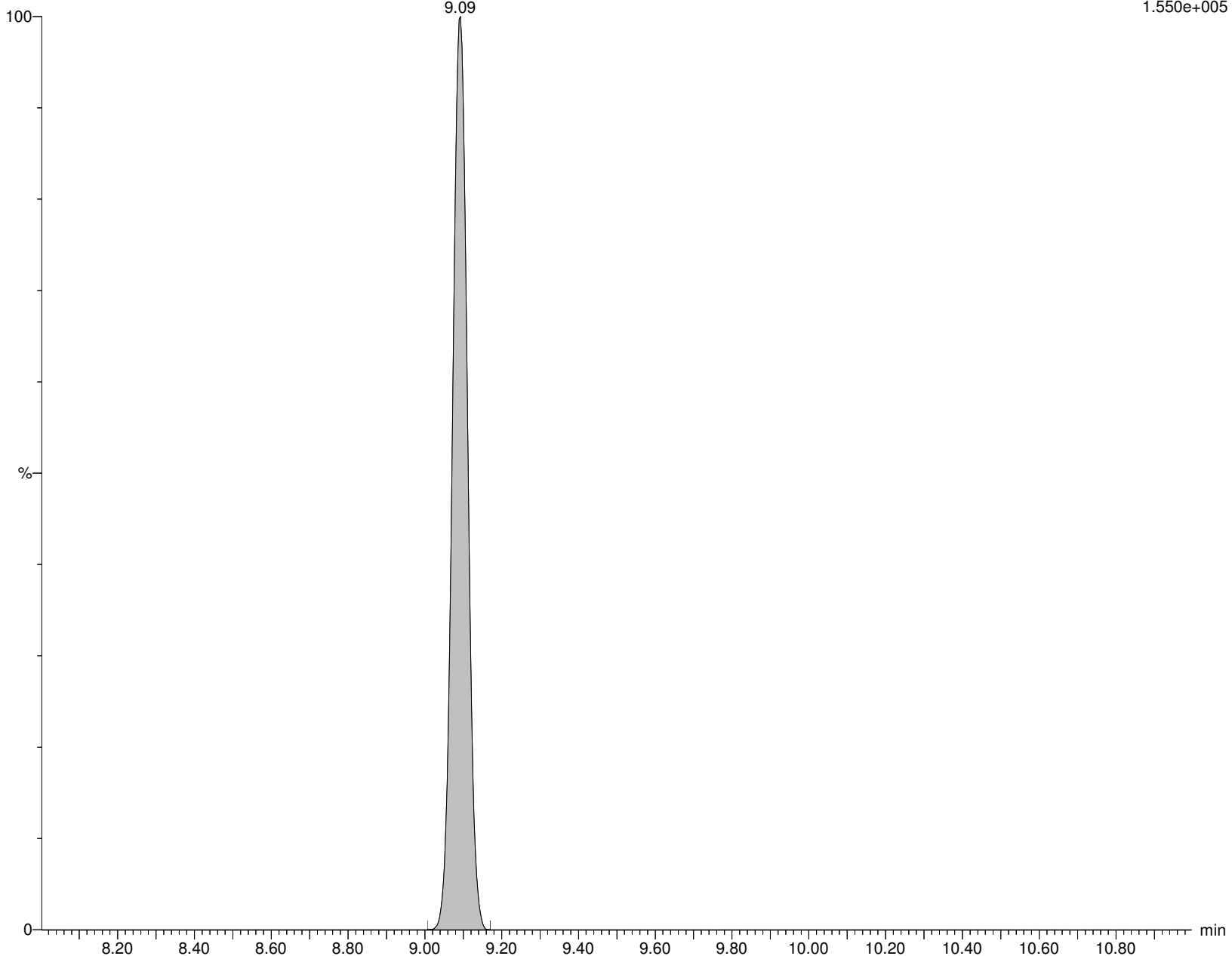
M2-6:2FTS

9.09

F24:MRM of 1 channel,ES-

428.989 > 408.917

1.550e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.000e-003



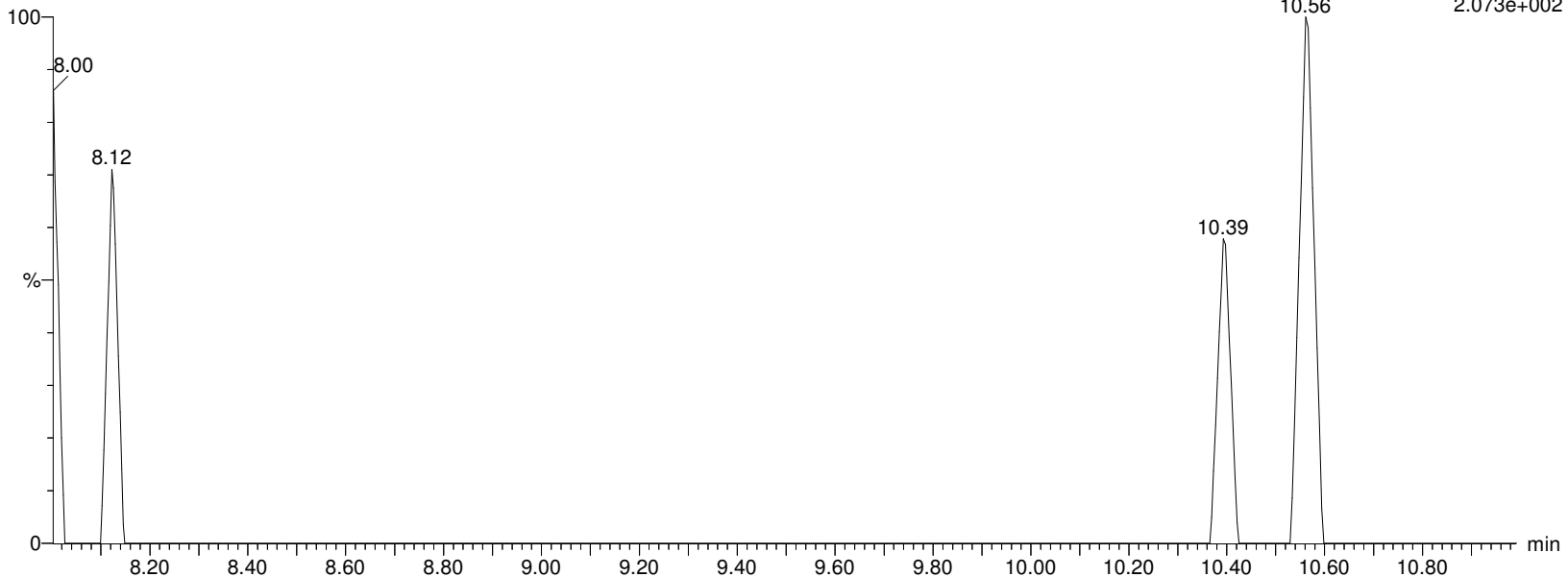
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F25:MRM of 2 channels, ES-

448.926 > 99.22

2.073e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

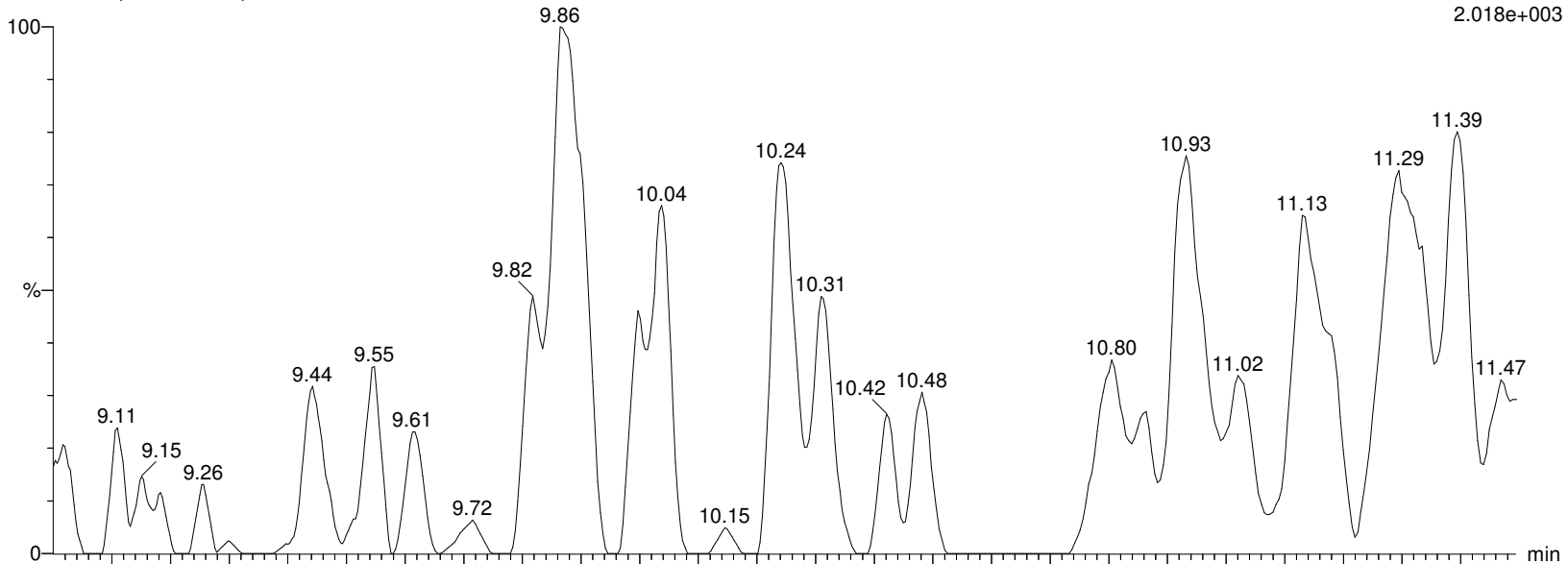
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F26:MRM of 2 channels, ES-

462.989 > 418.931

2.018e+003



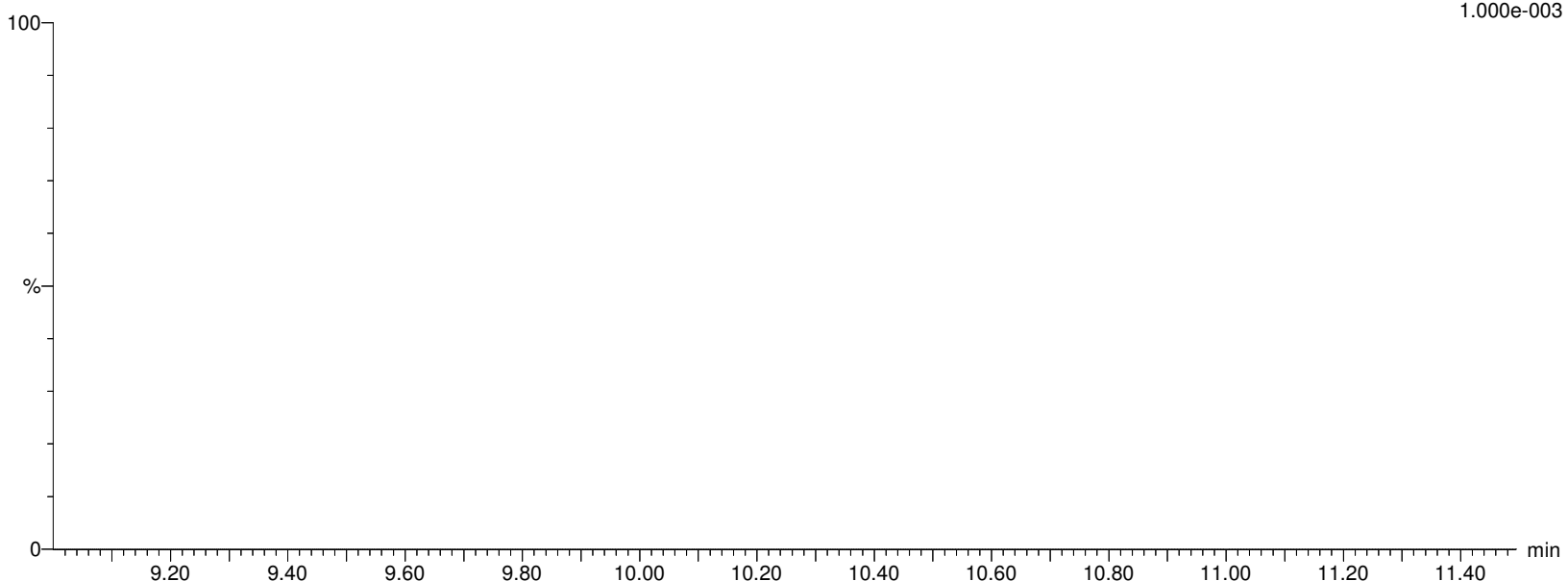
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F26:MRM of 2 channels, ES-

462.989 > 219.04

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

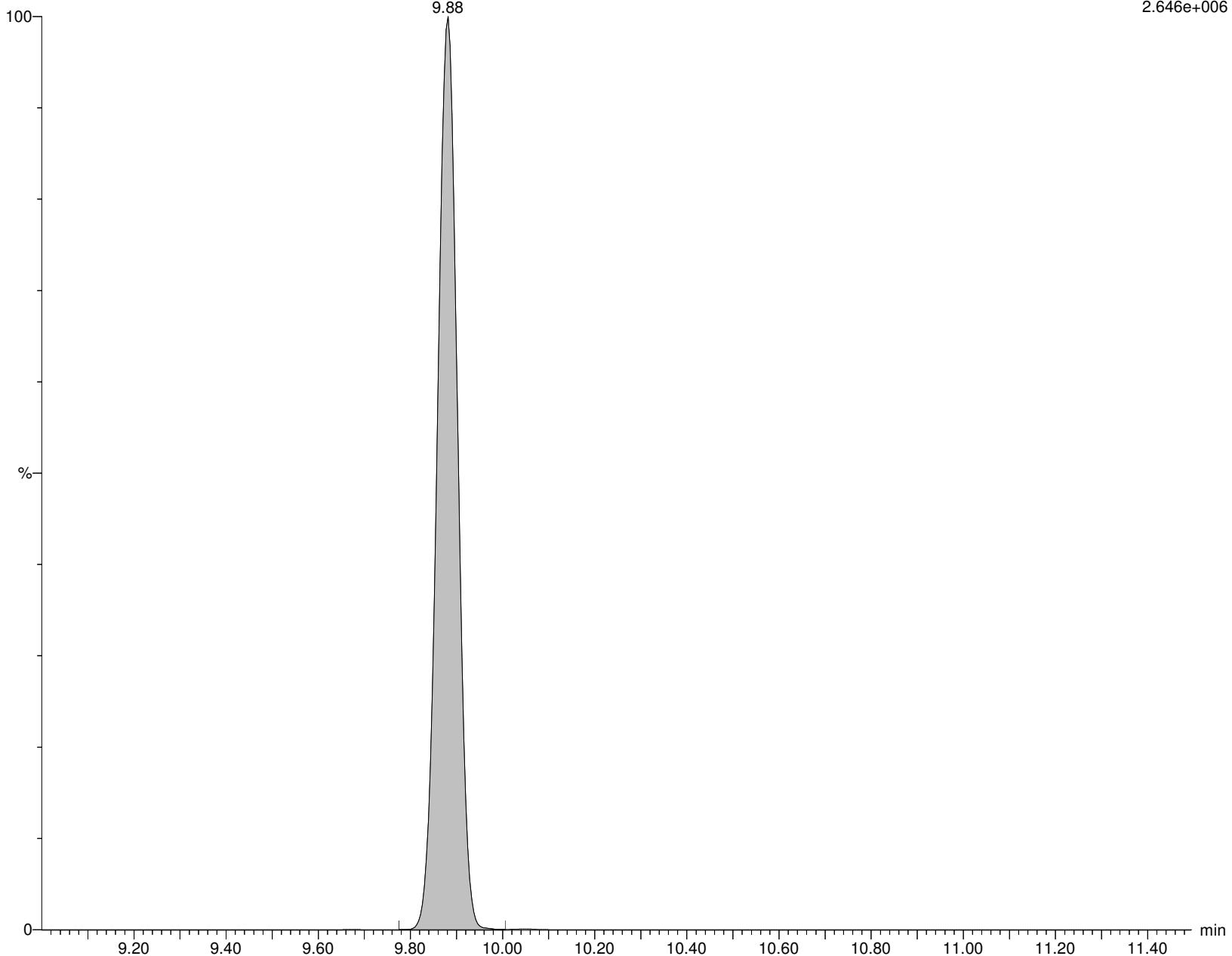
M9PFNA

9.88

F27:MRM of 1 channel, ES-

472.053 > 426.947

2.646e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

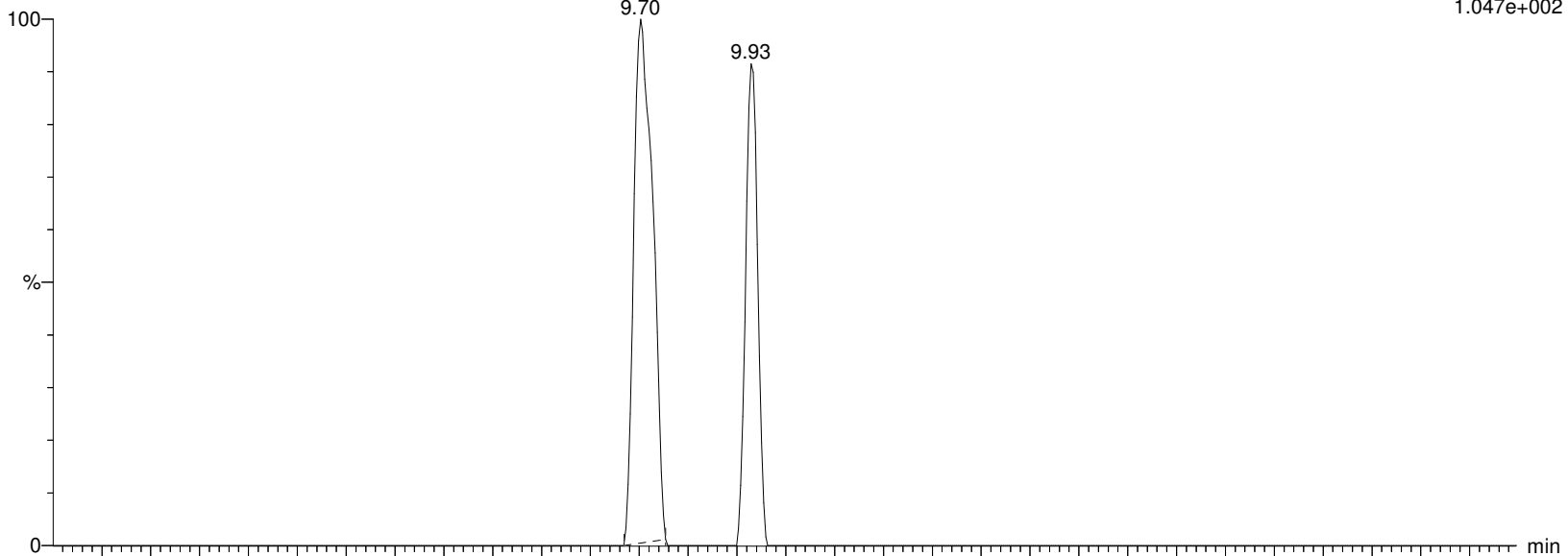
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.047e+002



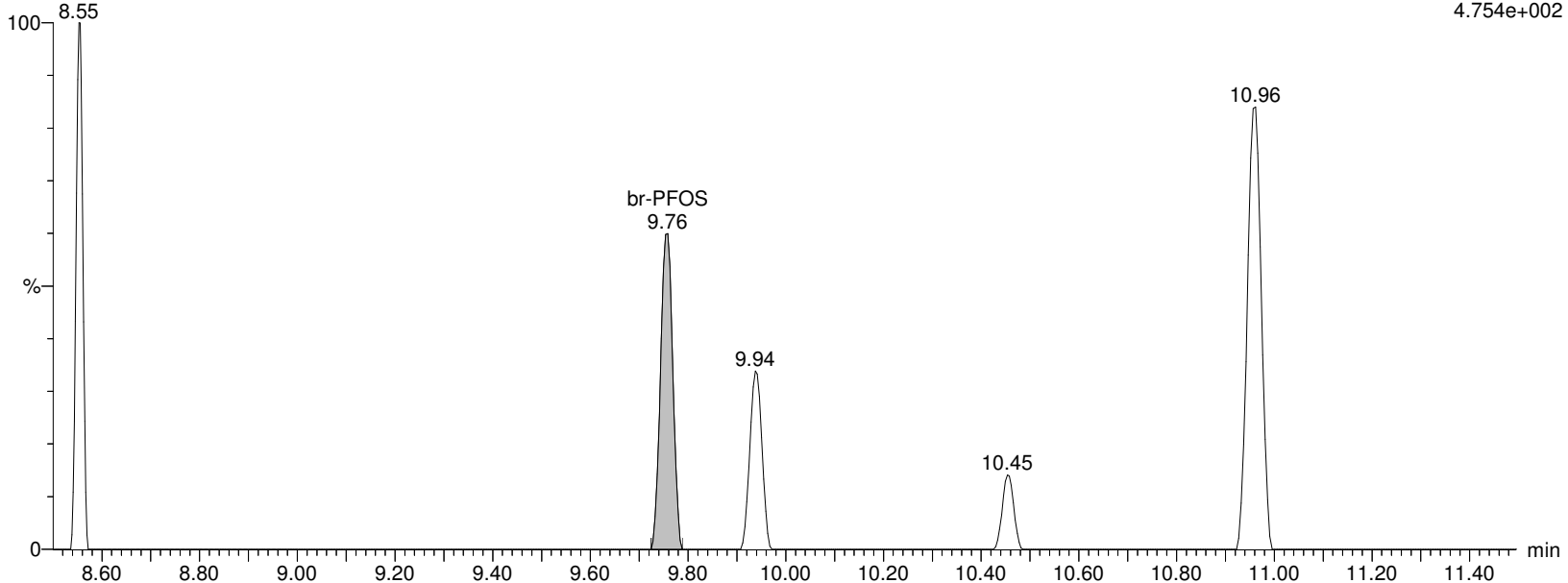
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 99.27

4.754e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****L-PFOS**

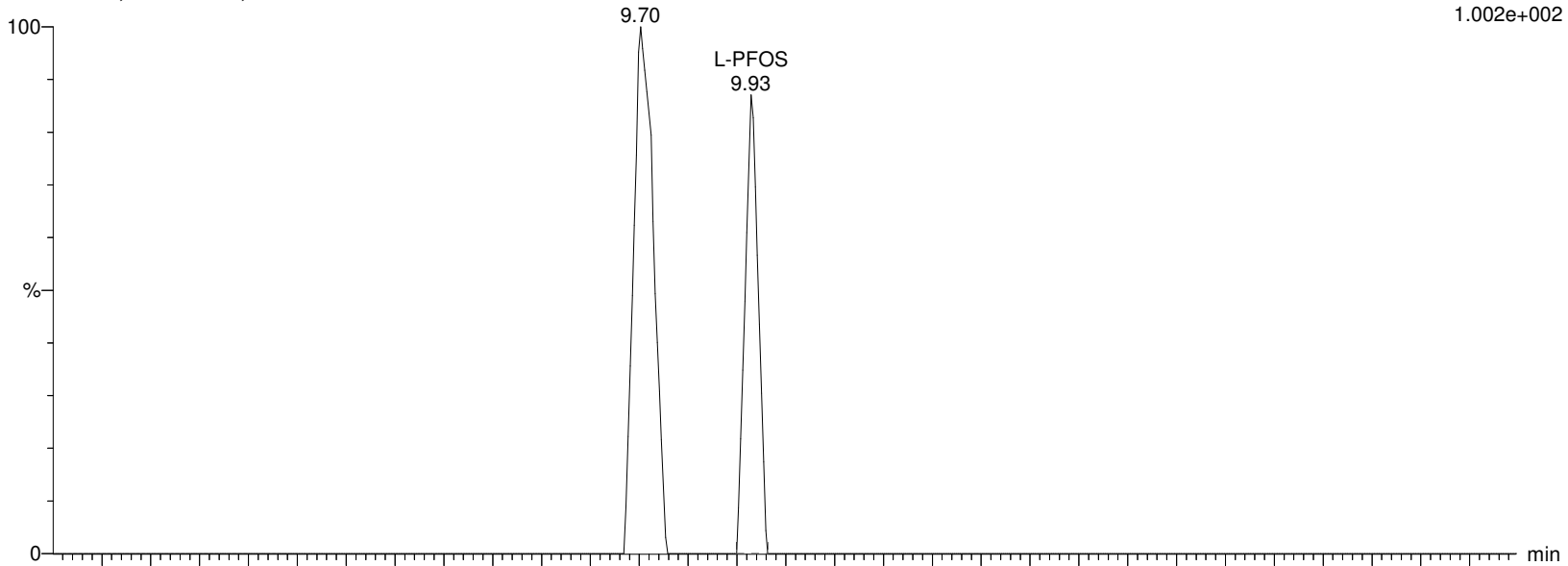
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.002e+002



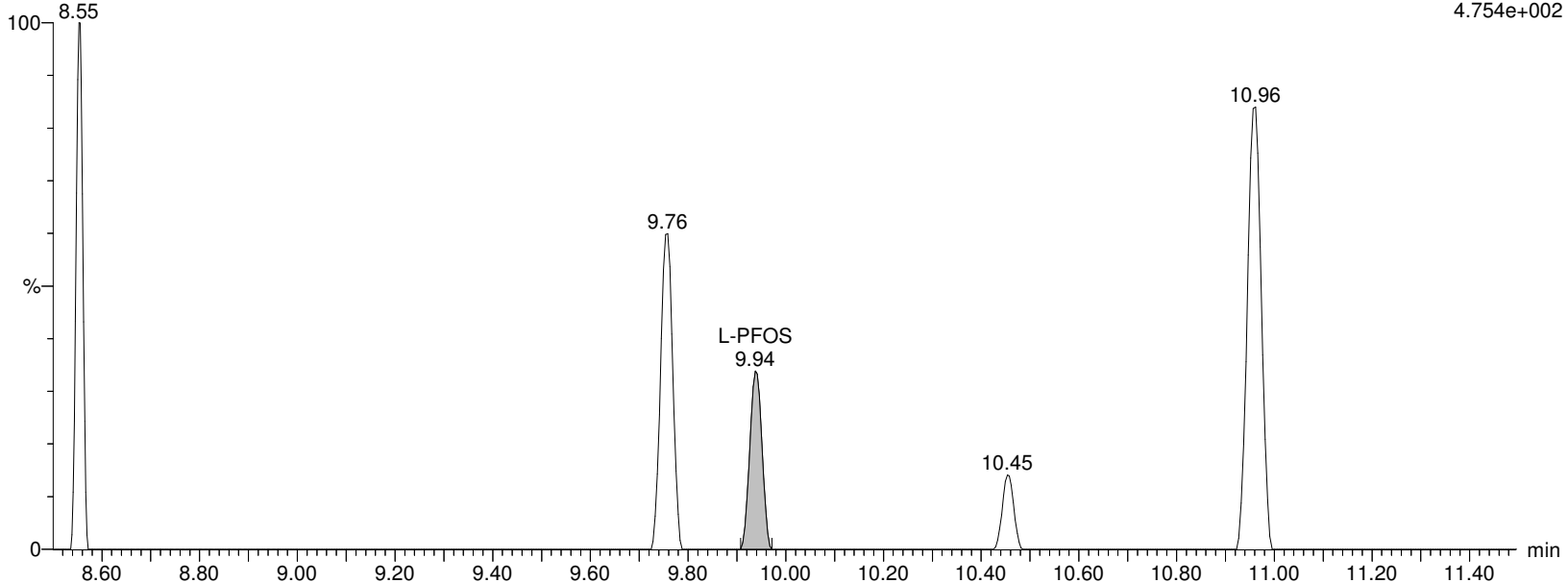
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 99.27

4.754e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

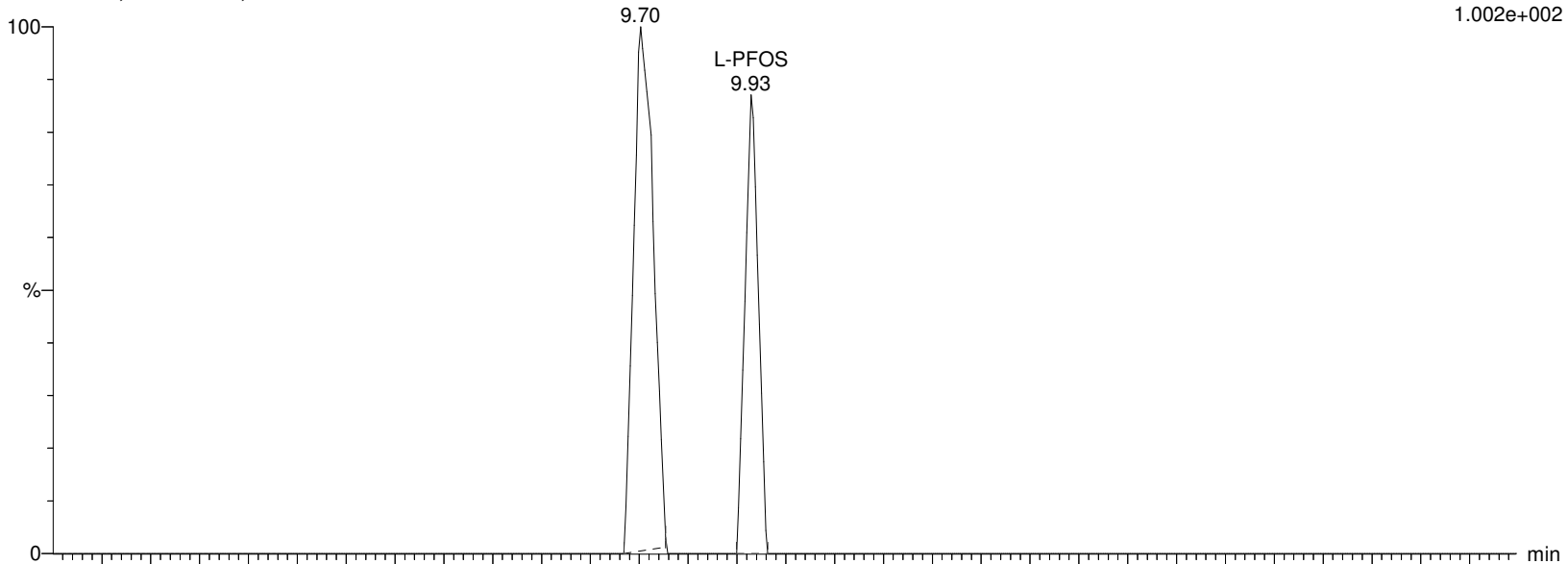
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.002e+002



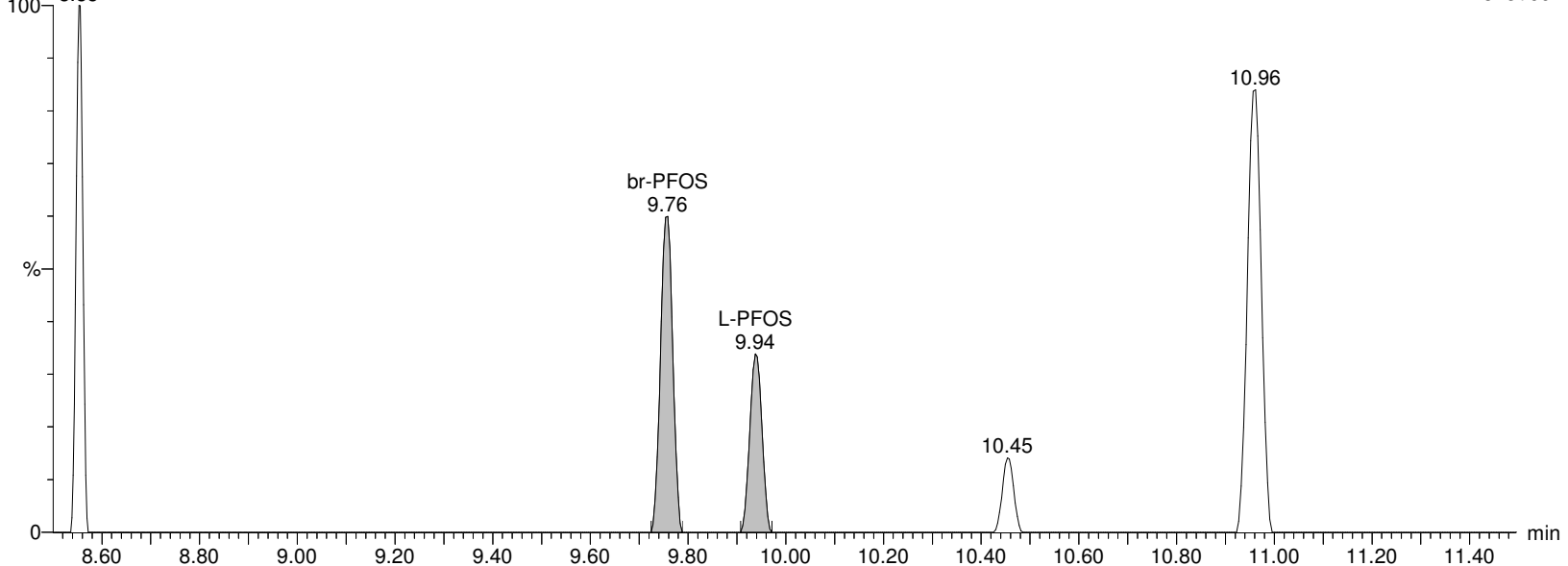
I18674 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F29:MRM of 2 channels, ES-

498.989 > 99.27

4.754e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

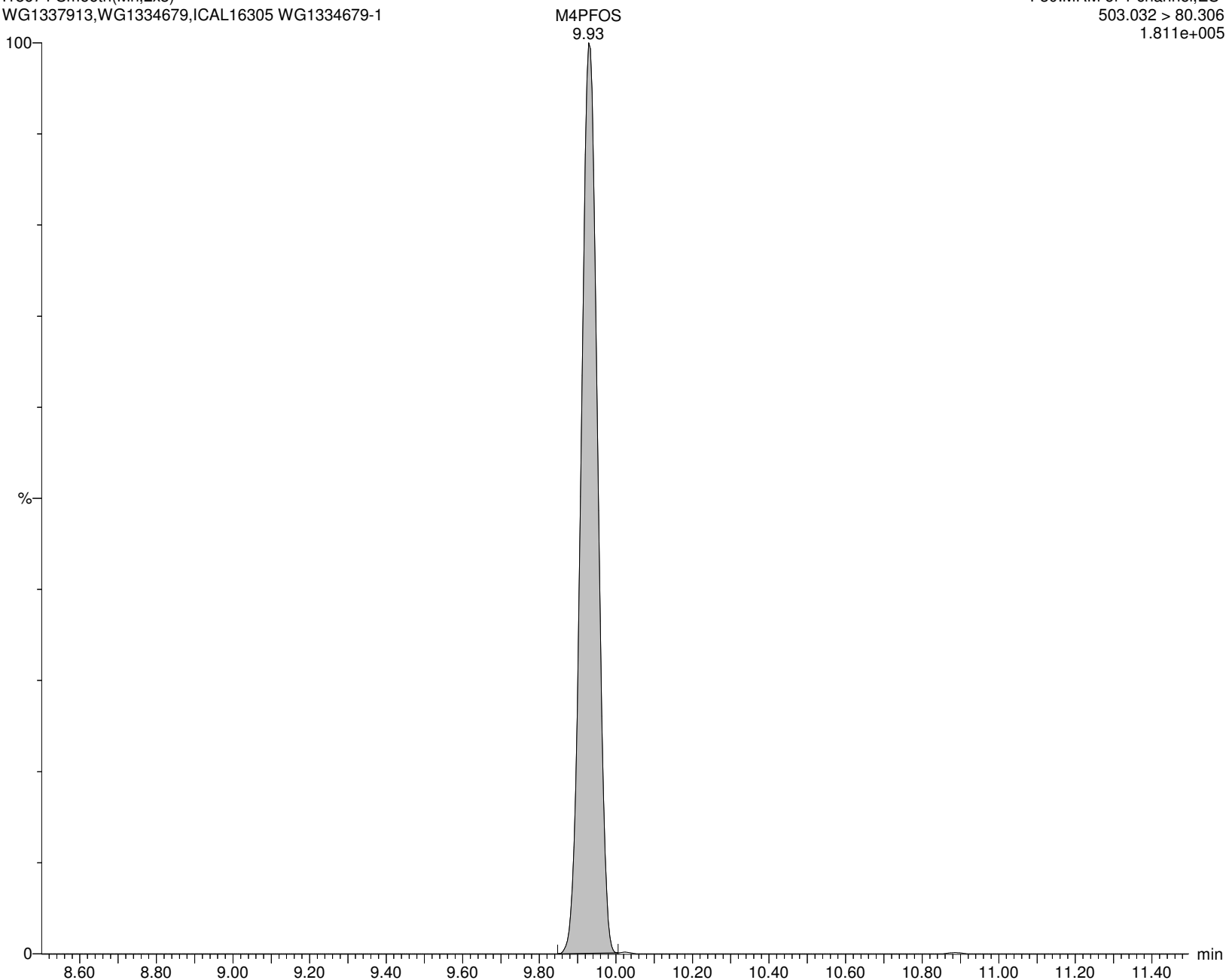
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.811e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

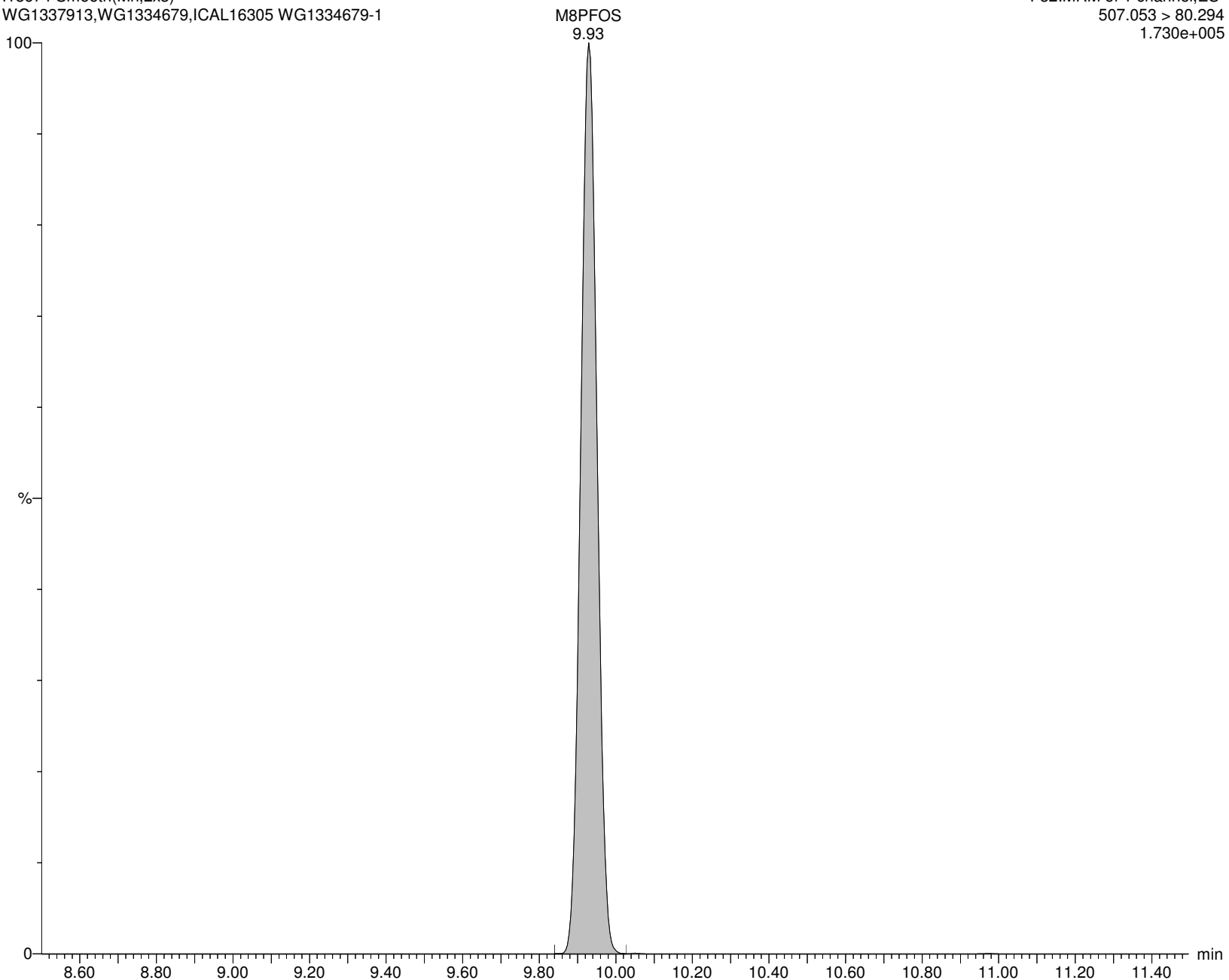
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.730e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

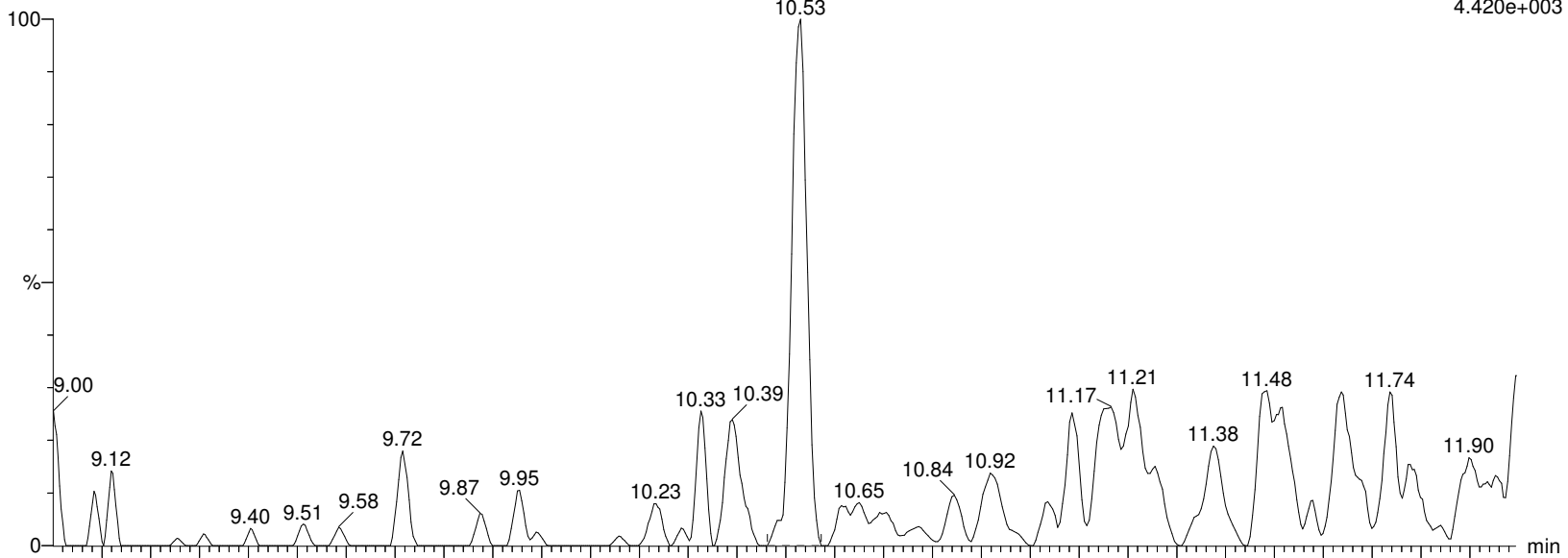
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F34:MRM of 2 channels, ES-

513.053 > 468.906

4.420e+003



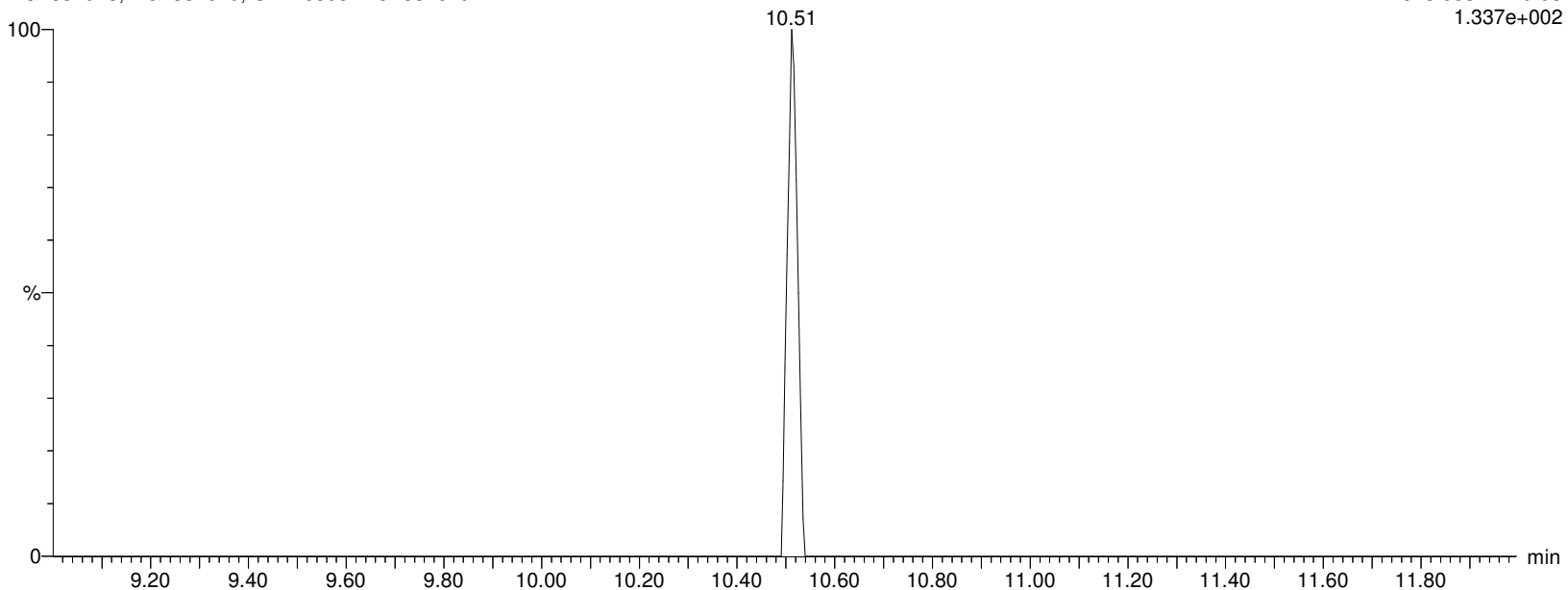
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F34:MRM of 2 channels, ES-

513.053 > 219.08

1.337e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

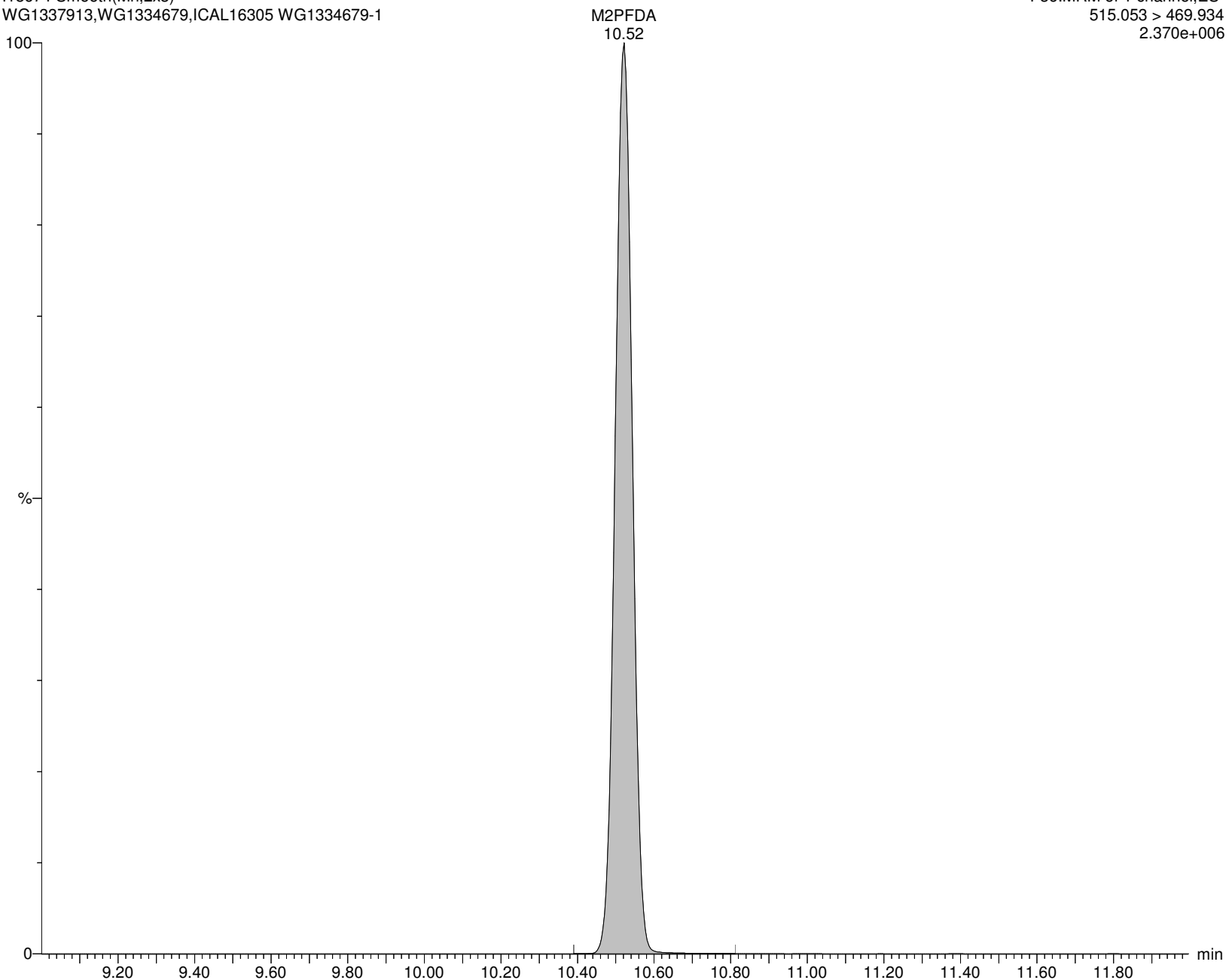
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F36:MRM of 1 channel, ES-

515.053 > 469.934

2.370e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

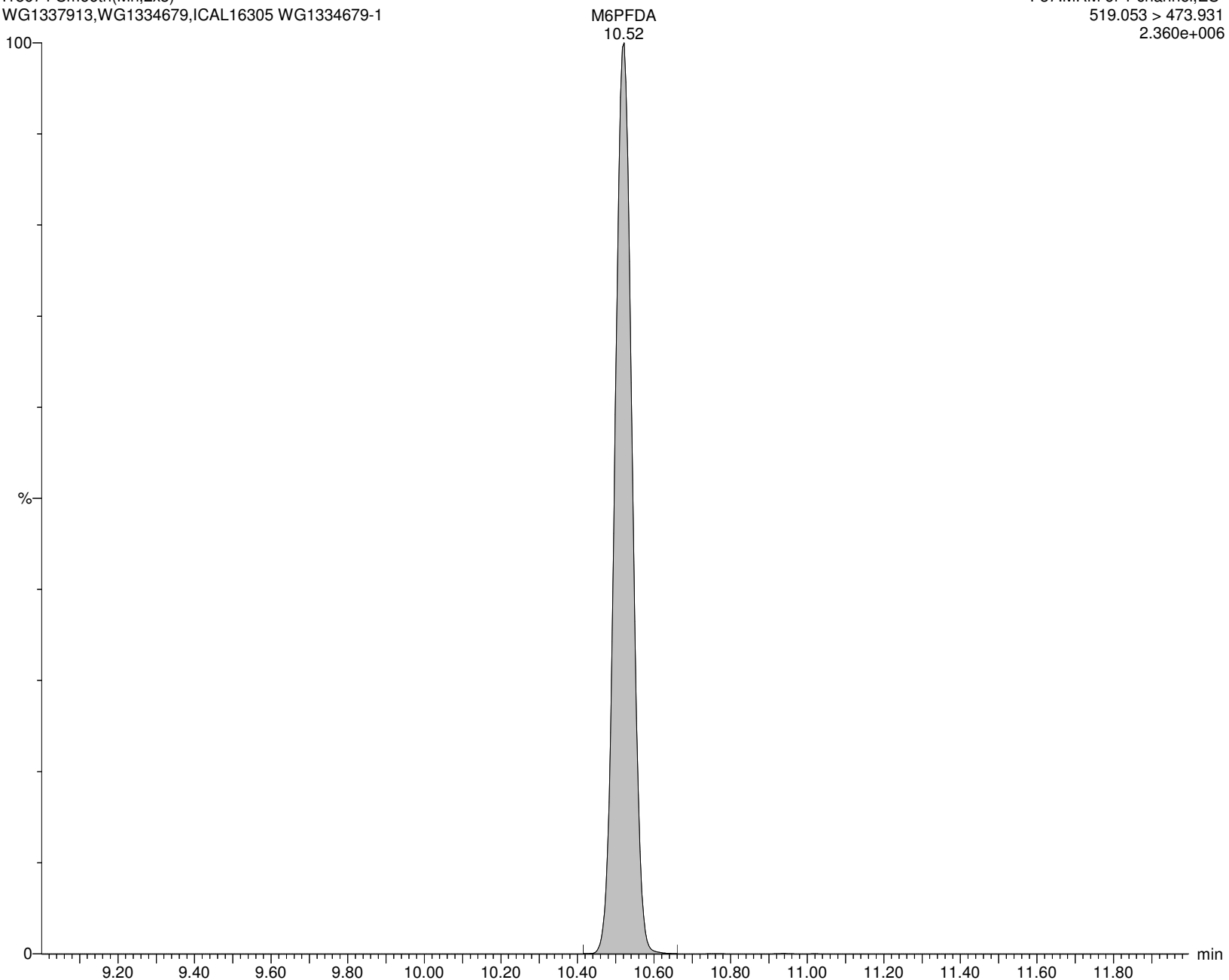
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.360e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP**

-

8:2FTS

I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F39:MRM of 2 channels, ES-

526.926 > 506.818

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

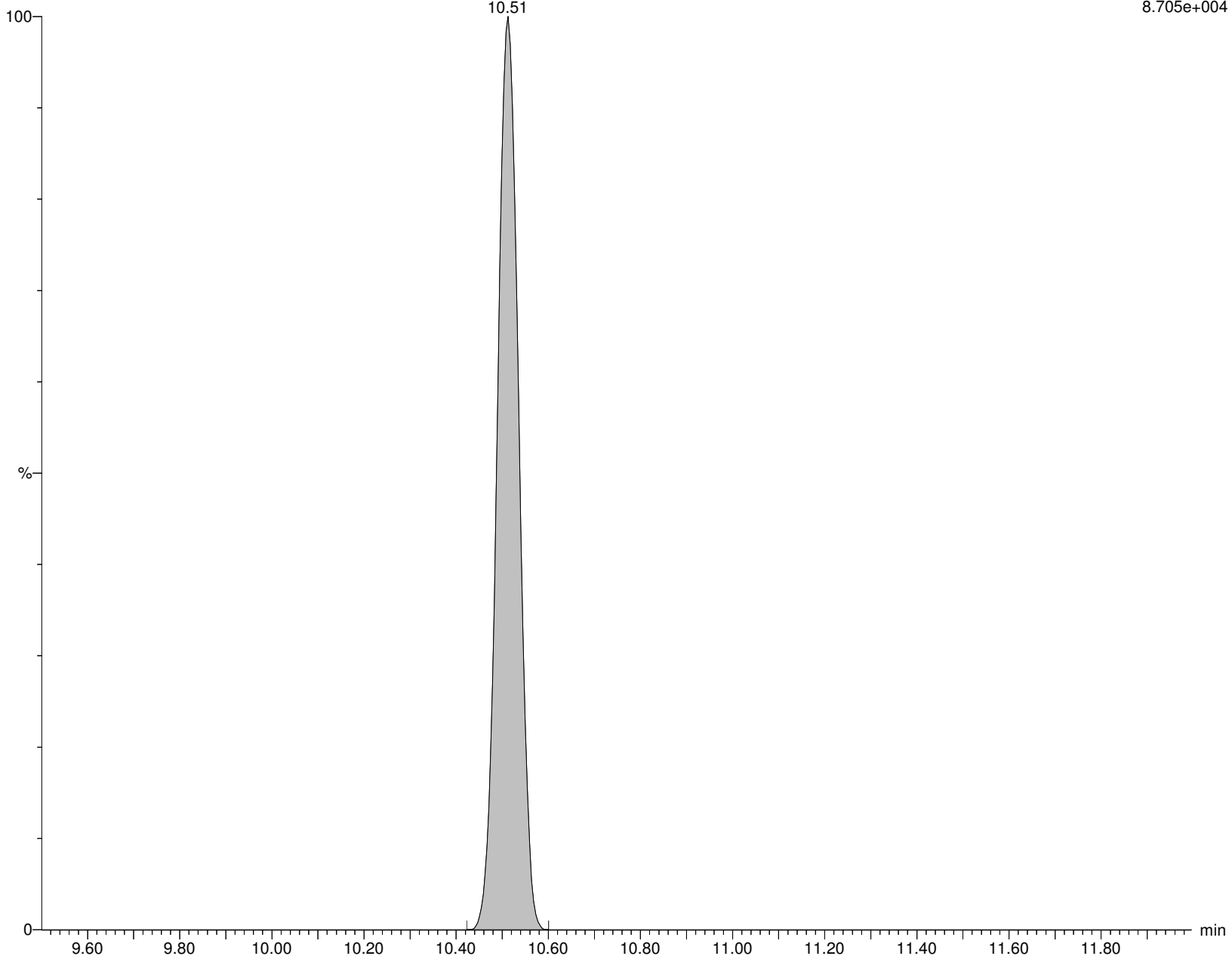
M2-8:2FTS

10.51

F40:MRM of 2 channels, ES-

529.053 > 508.945

8.705e+004



Alpha Analytical Inc.

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I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F43:MRM of 2 channels, ES-

548.989 > 80.249

2.073e+002



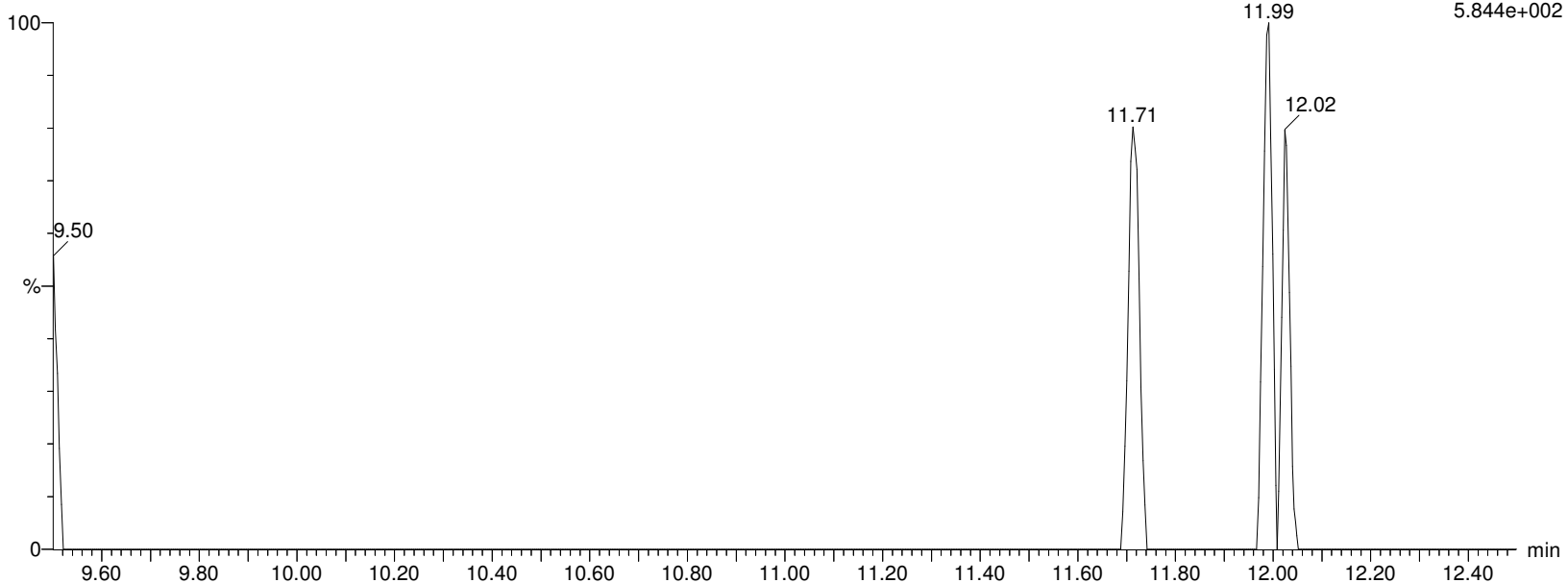
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F43:MRM of 2 channels, ES-

548.989 > 99.22

5.844e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

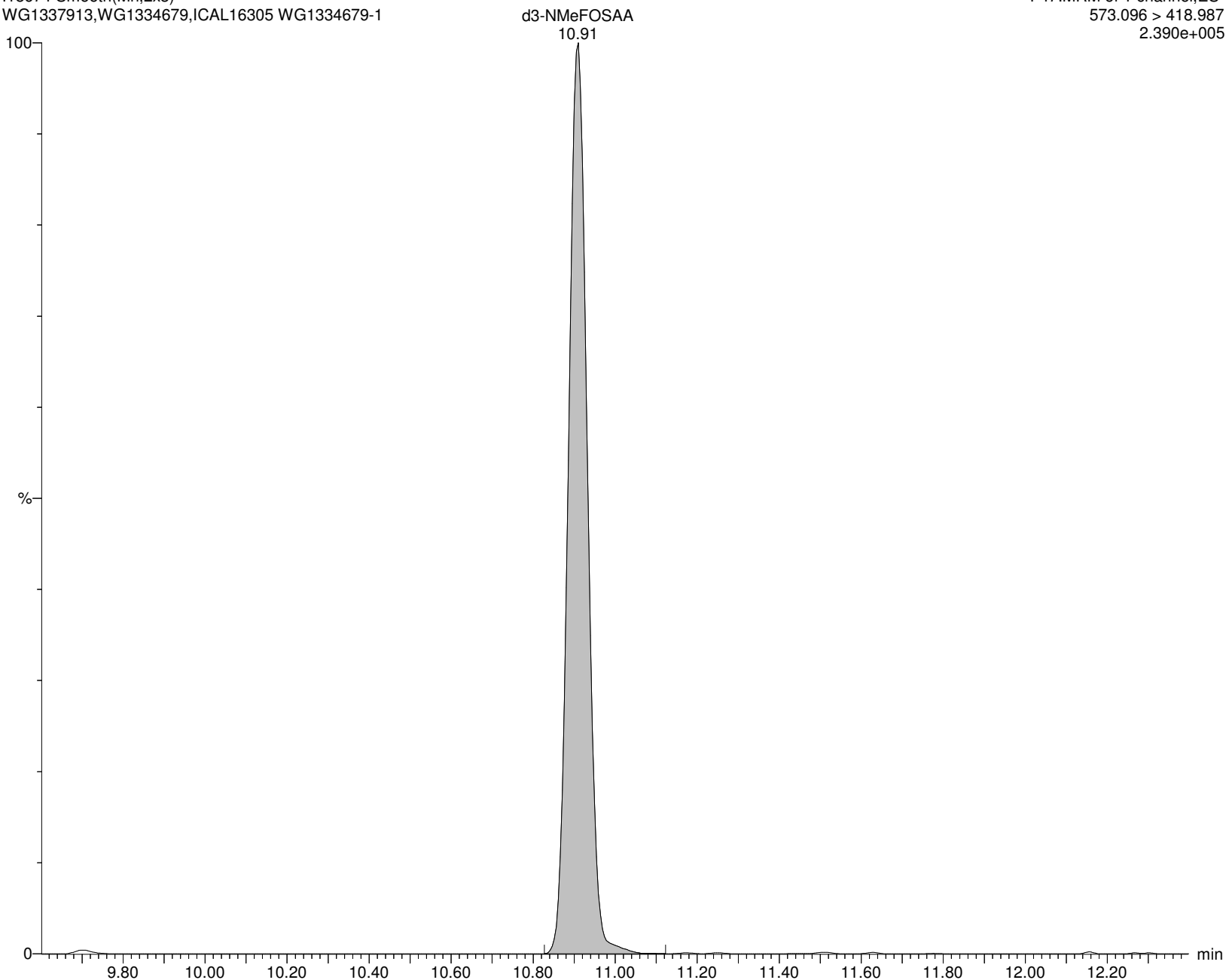
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F47:MRM of 1 channel, ES-

573.096 > 418.987

2.390e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-NMeFOSAA**

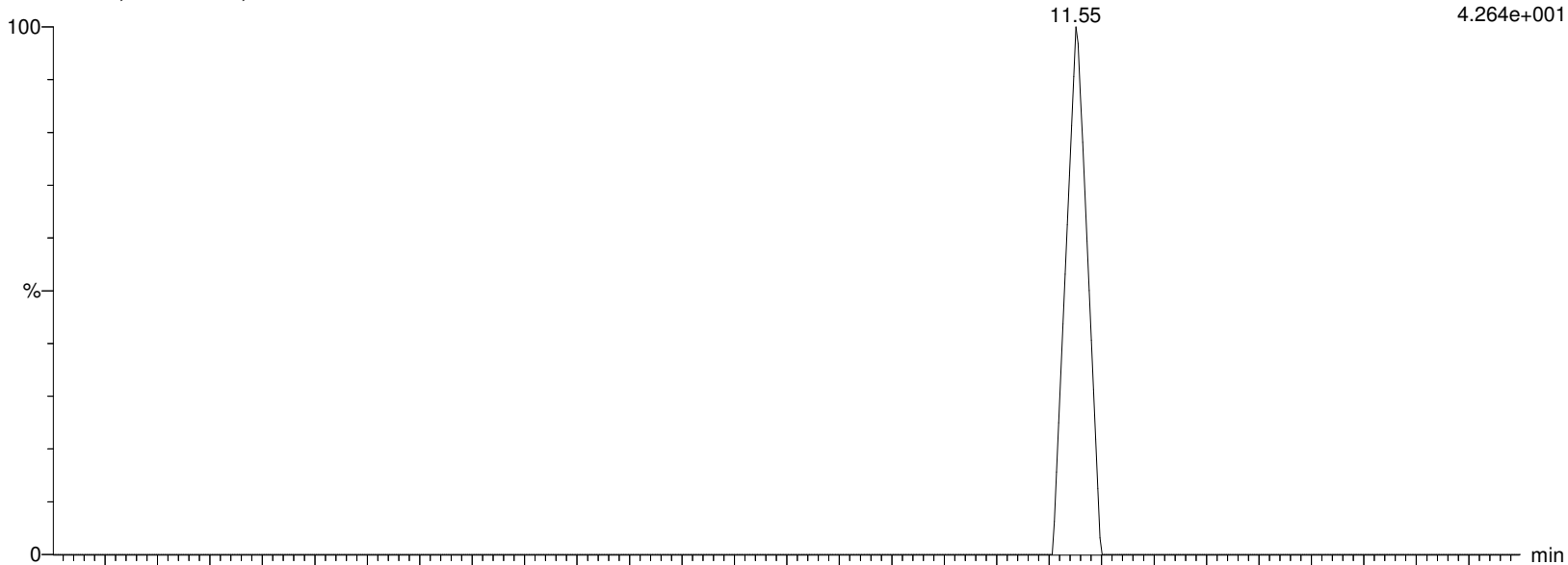
I18674 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

570.053 > 418.917

4.264e+001



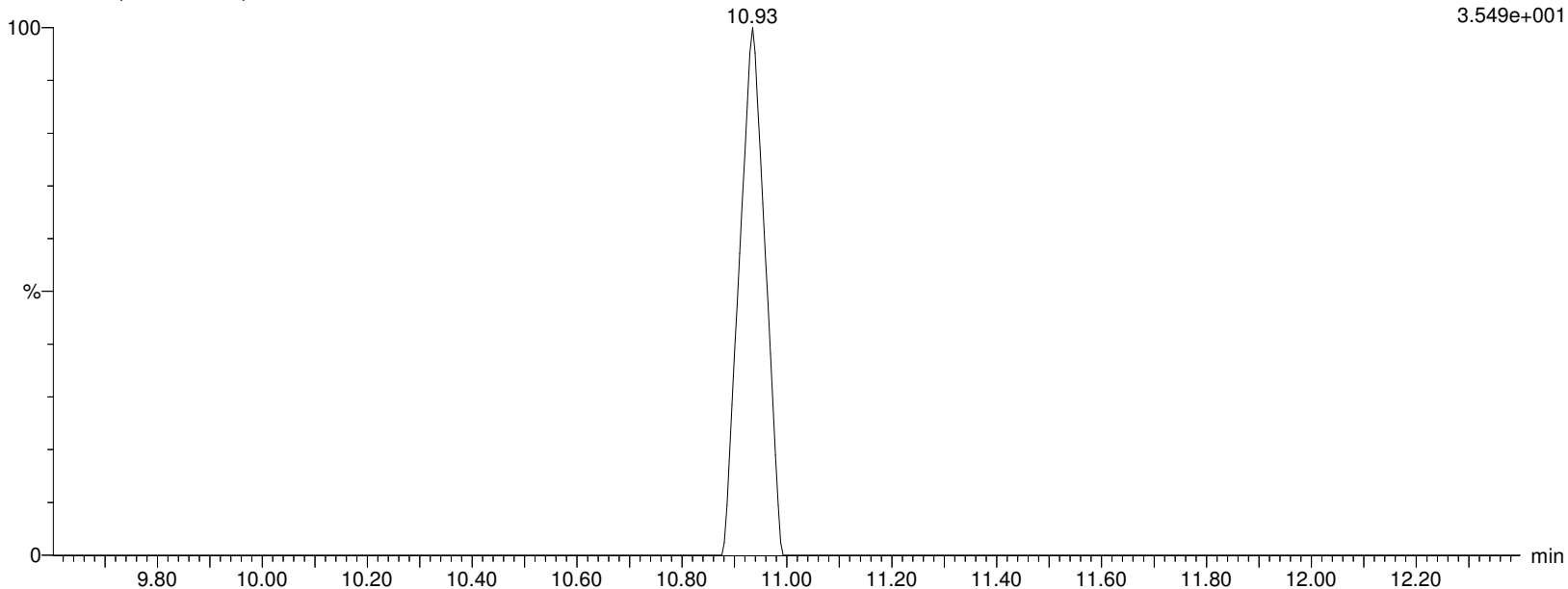
I18674 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

569.862 > 482.77

3.549e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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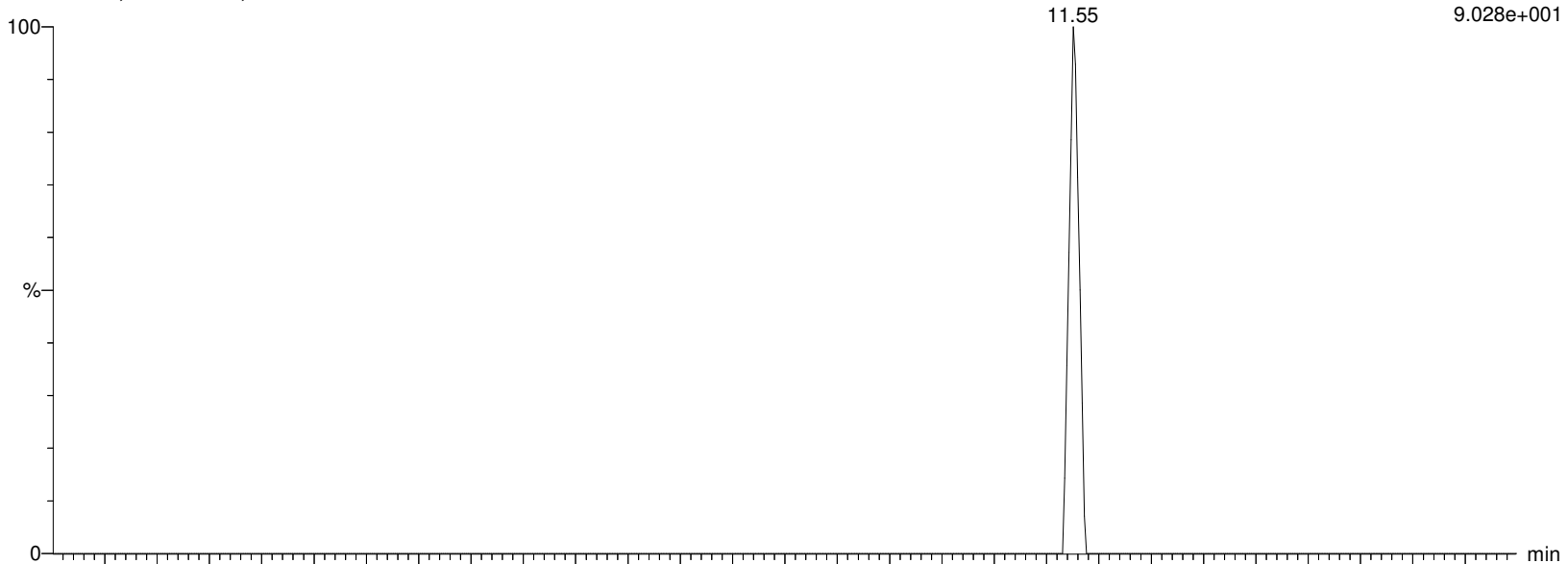
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

570.053 > 418.917

9.028e+001



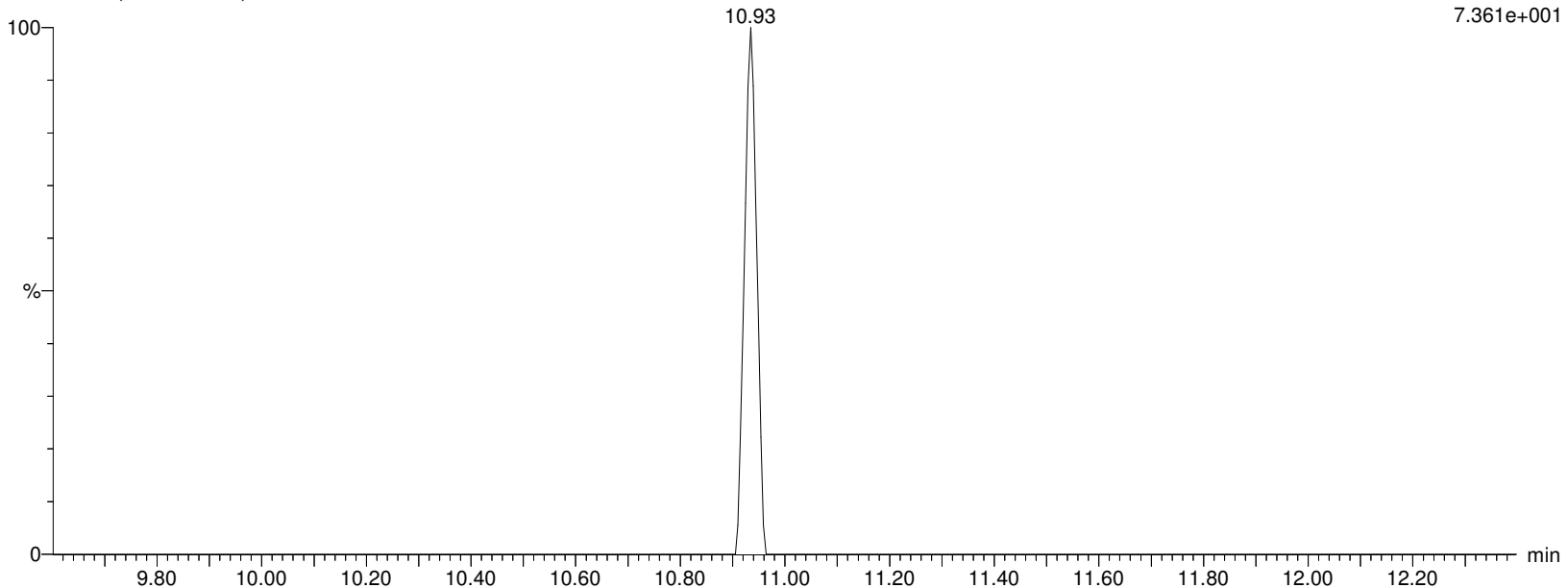
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

569.862 > 482.77

7.361e+001



Alpha Analytical Inc.

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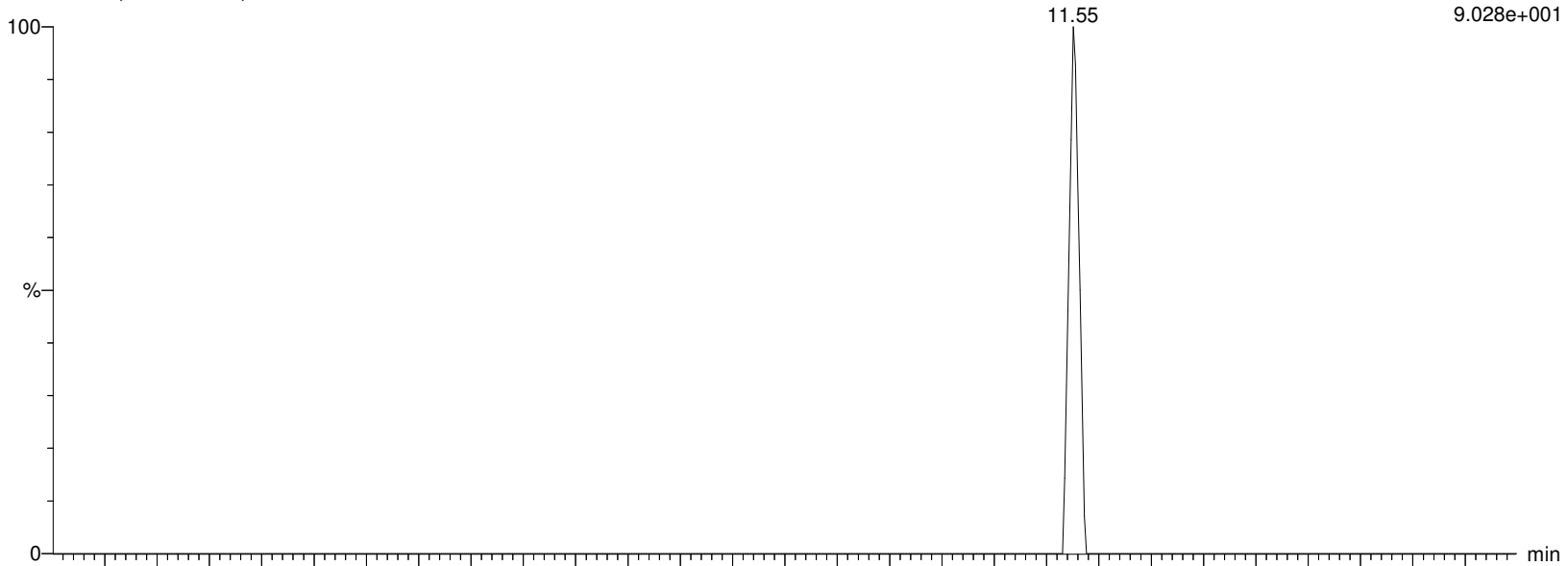
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

570.053 > 418.917

9.028e+001



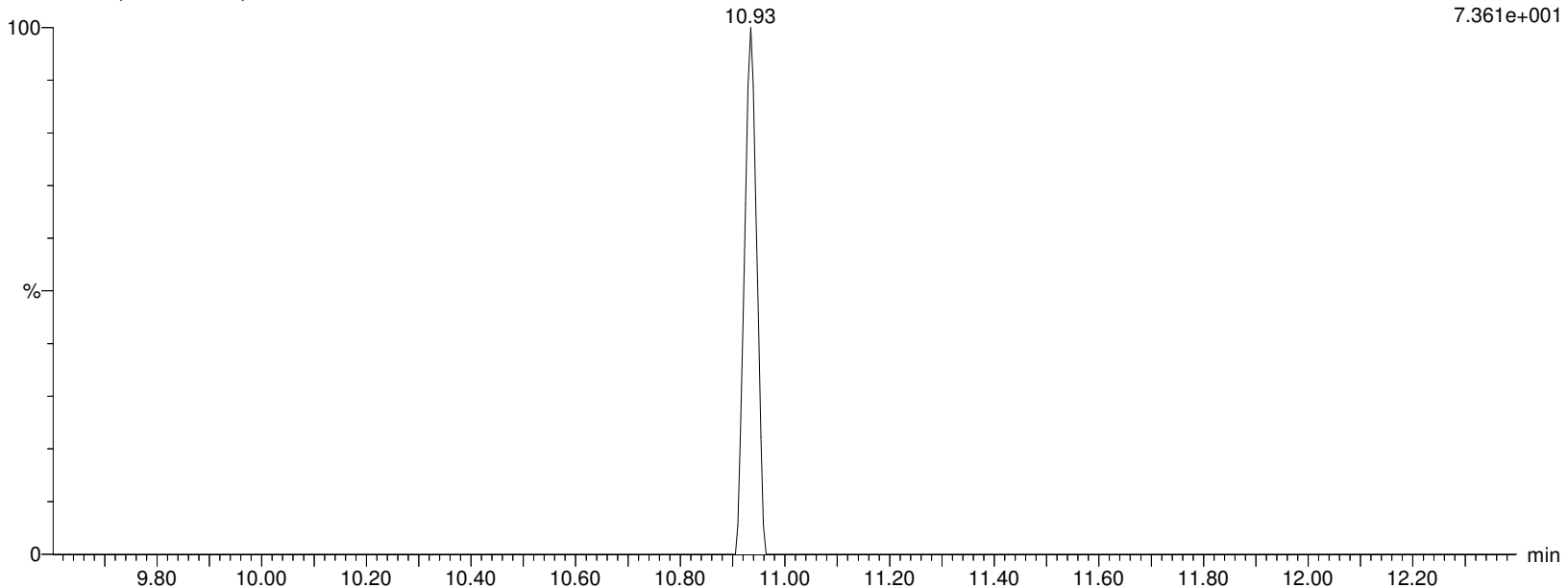
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F45:MRM of 2 channels, ES-

569.862 > 482.77

7.361e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

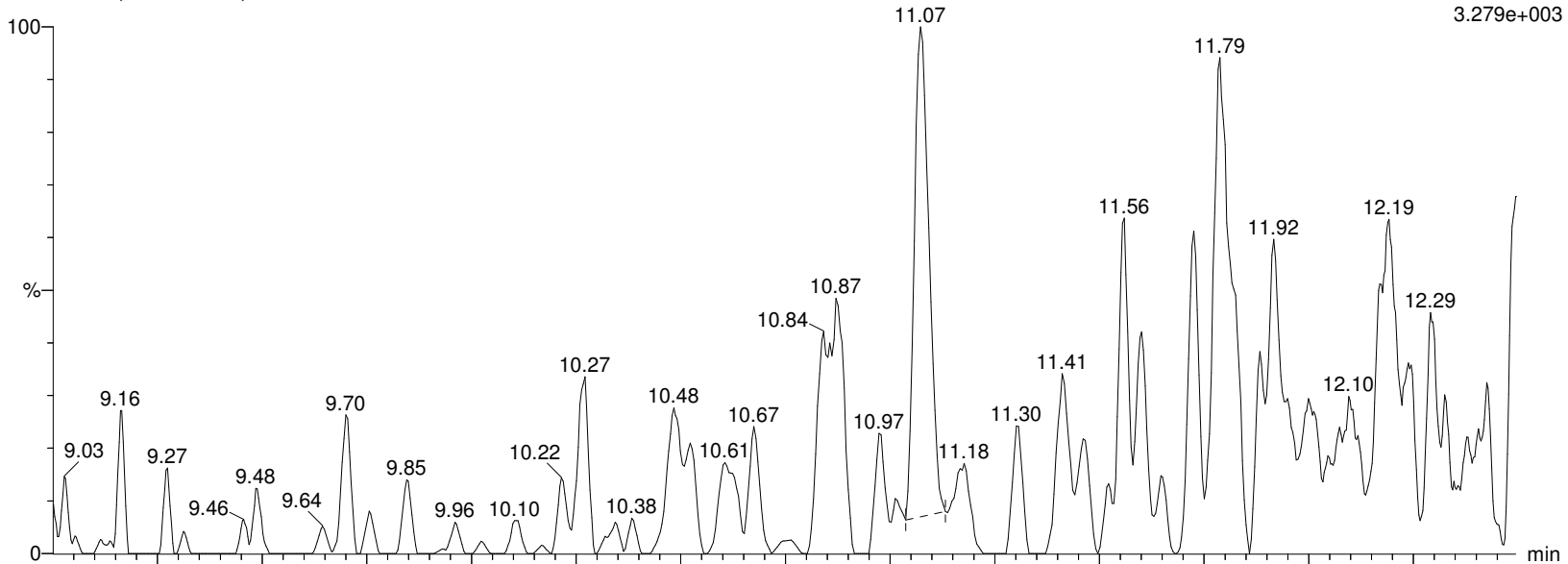
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F44:MRM of 2 channels, ES-

562.989 > 518.903

3.279e+003



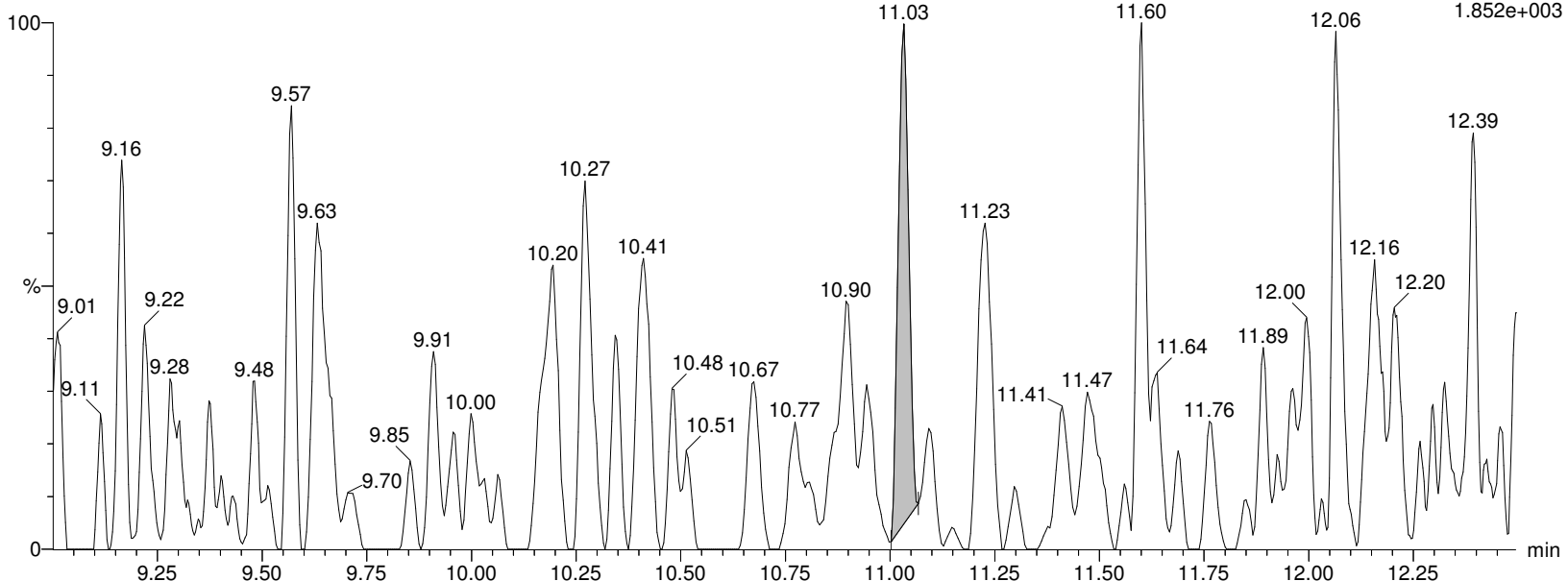
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.852e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

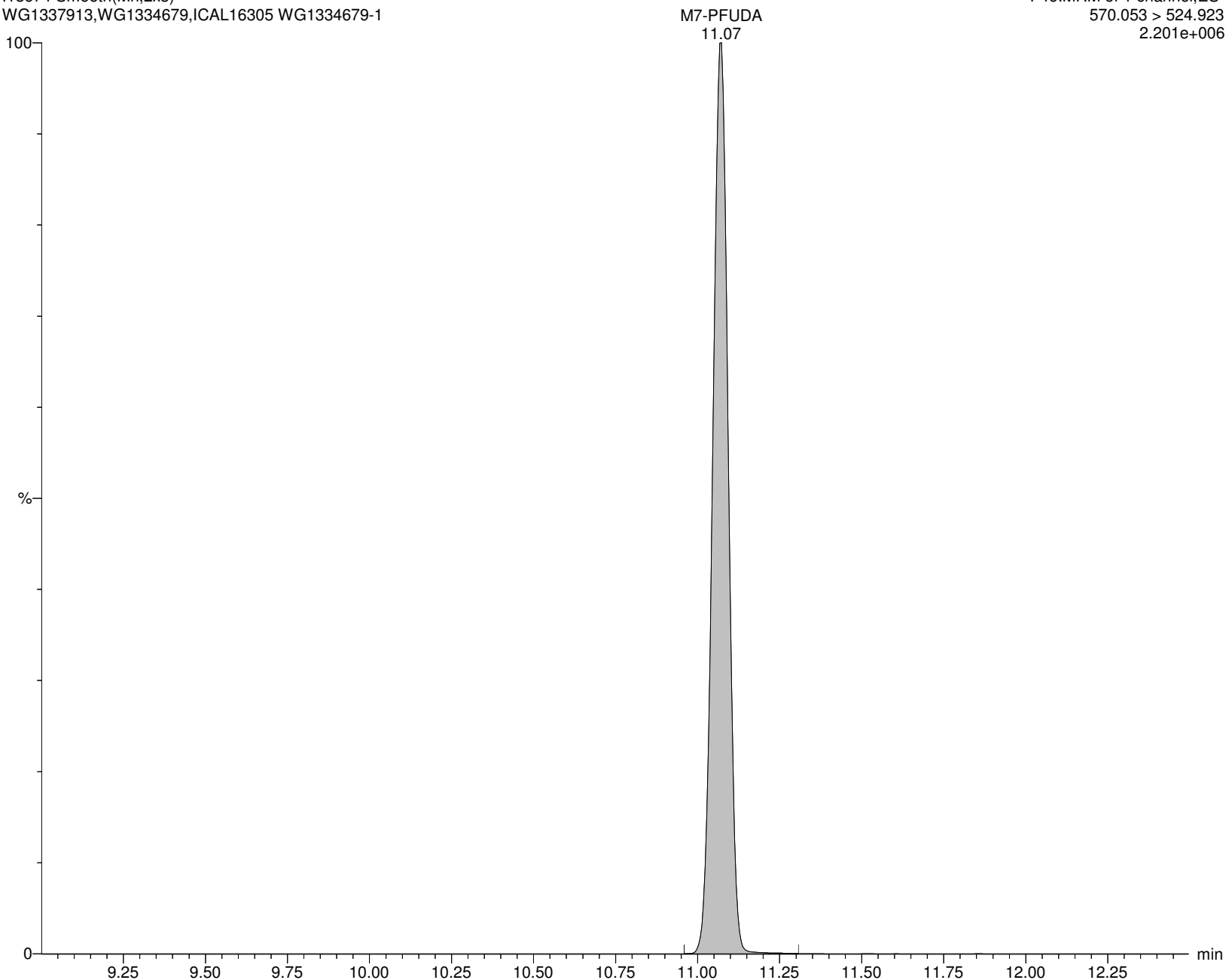
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.201e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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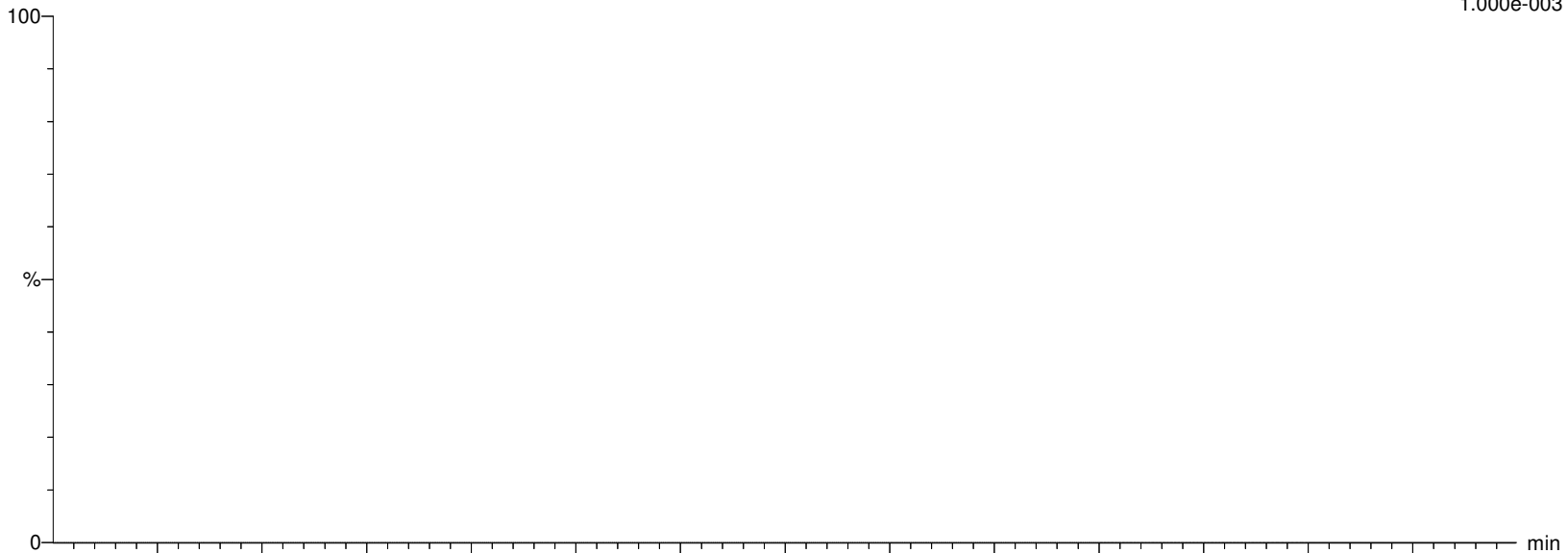
I18674 Smooth(Mn,2x2)

F50:MRM of 2 channels, ES-

WG1337913, WG1334679, ICAL16305 WG1334679-1

598.926 > 80.314

1.000e-003



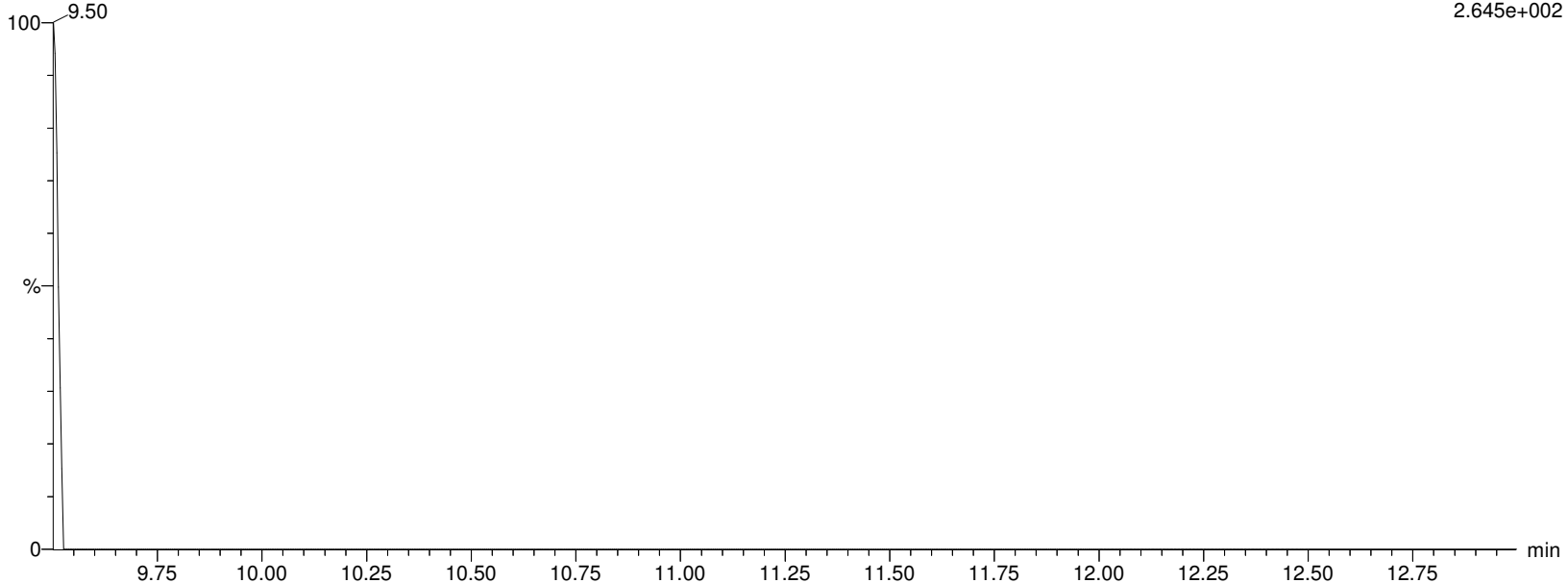
I18674 Smooth(Mn,2x2)

F50:MRM of 2 channels, ES-

WG1337913, WG1334679, ICAL16305 WG1334679-1

598.926 > 99.22

2.645e+002



Alpha Analytical Inc.

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I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F28:MRM of 2 channels, ES-

497.989 > 78.245

1.000e-003



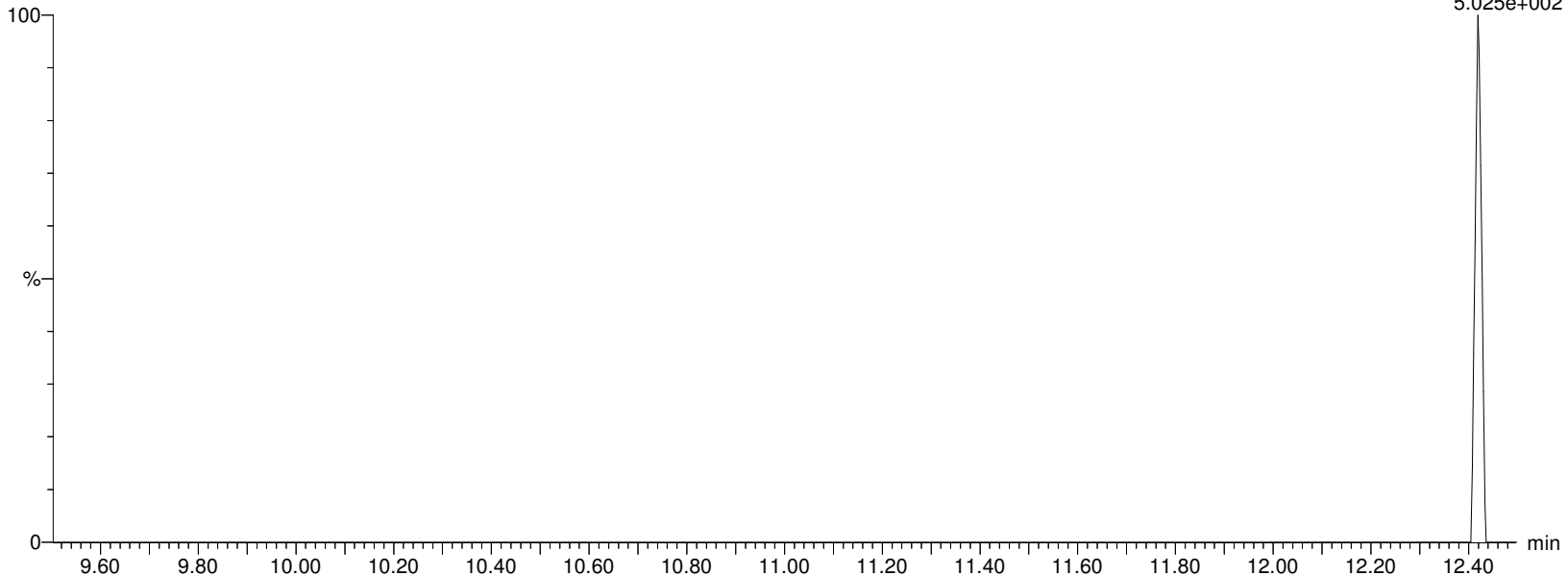
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F28:MRM of 2 channels, ES-

497.989 > 168.854

5.025e+002



Alpha Analytical Inc.

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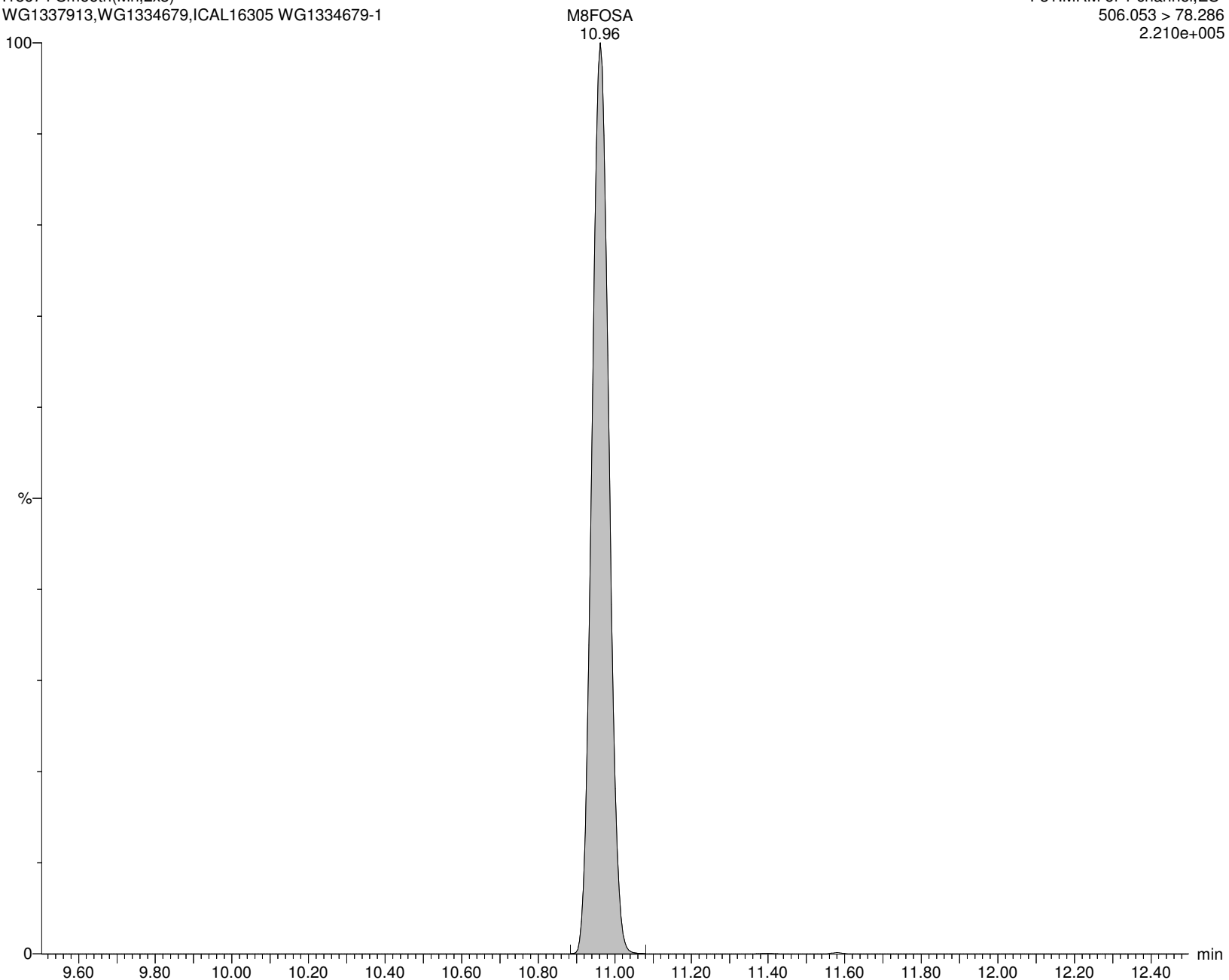
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F31:MRM of 1 channel, ES-

506.053 > 78.286

2.210e+005



Alpha Analytical Inc.

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I18674 Smooth(Mn,2x2)

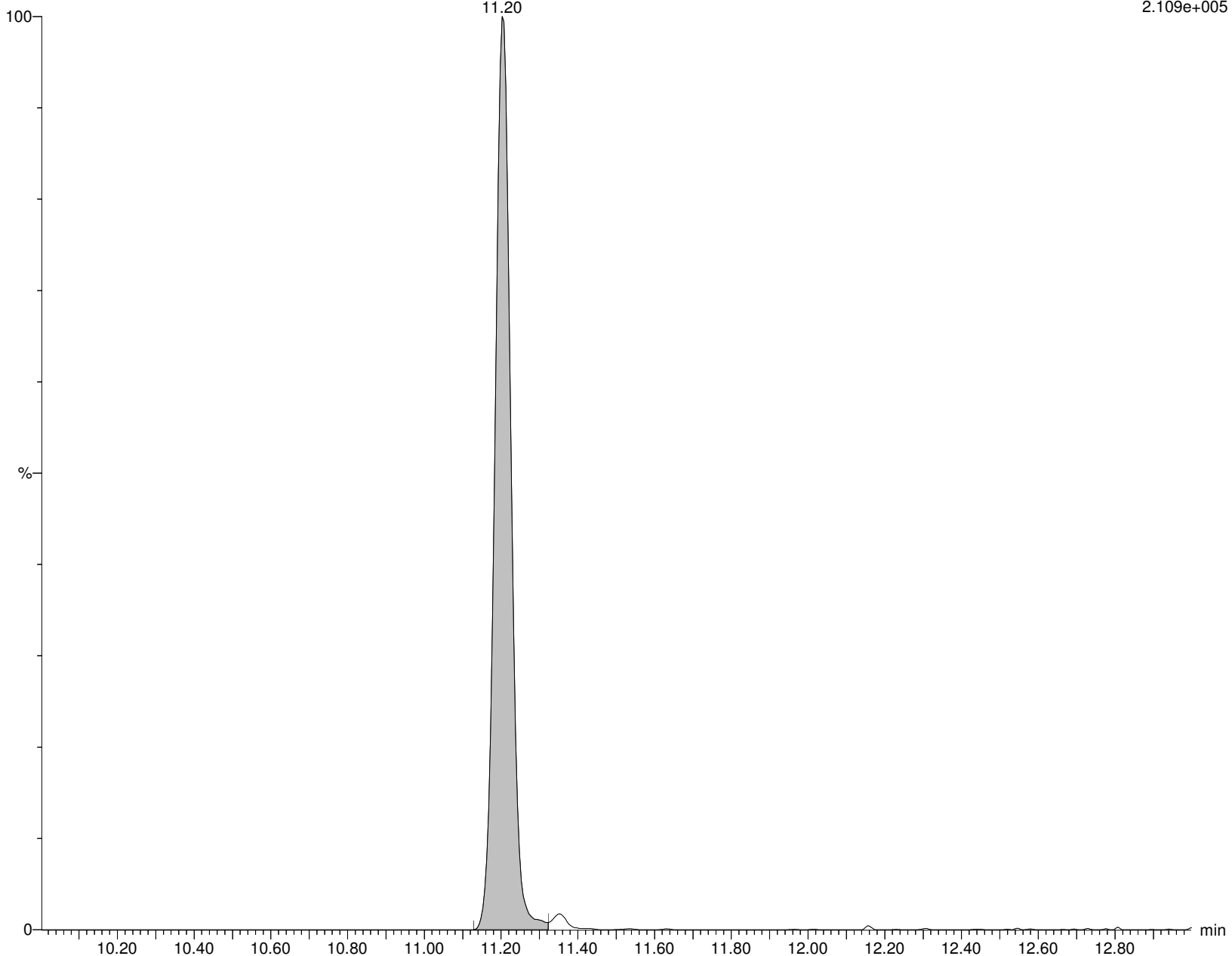
WG1337913, WG1334679, ICAL16305 WG1334679-1

d5-NEtFOSAA
11.20

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.109e+005



Alpha Analytical Inc.

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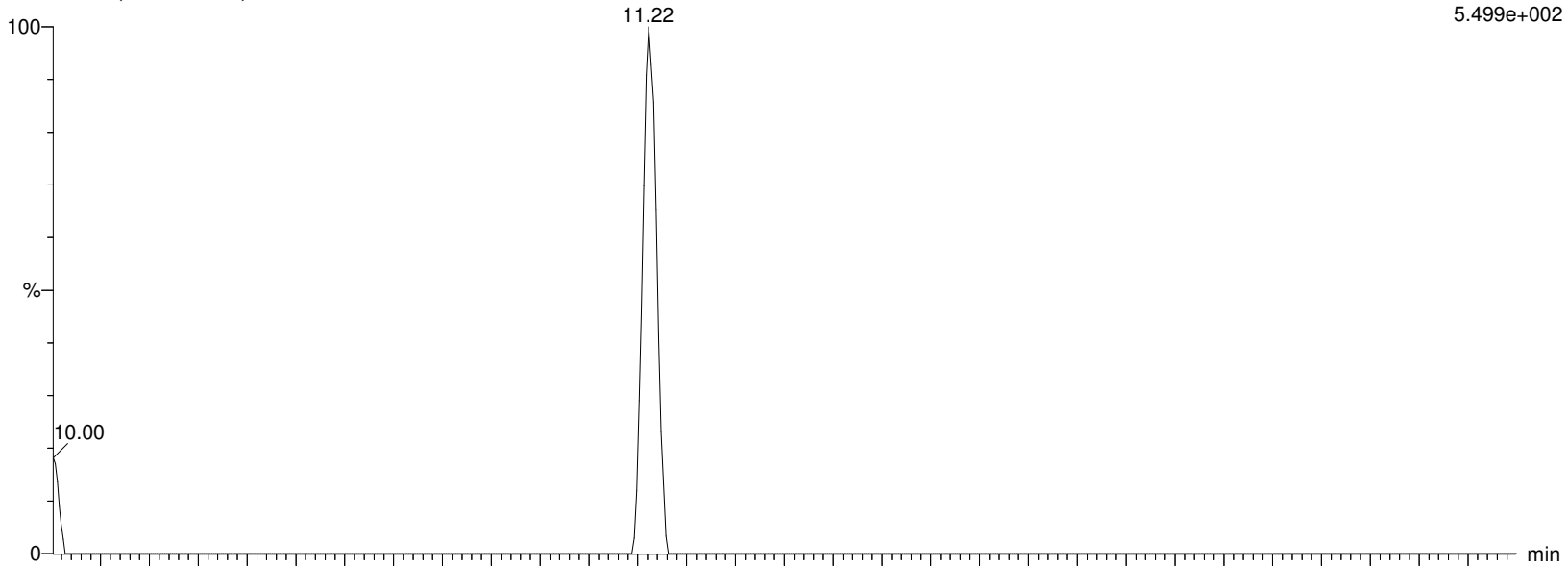
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.499e+002



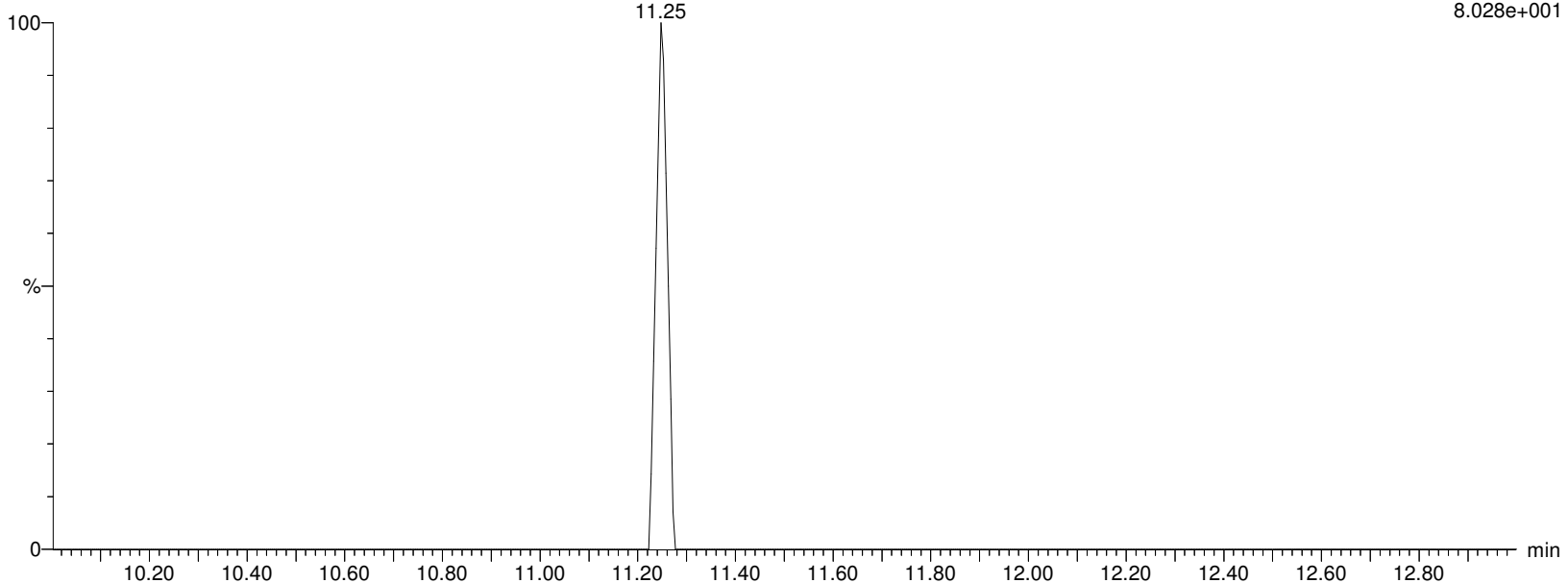
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.028e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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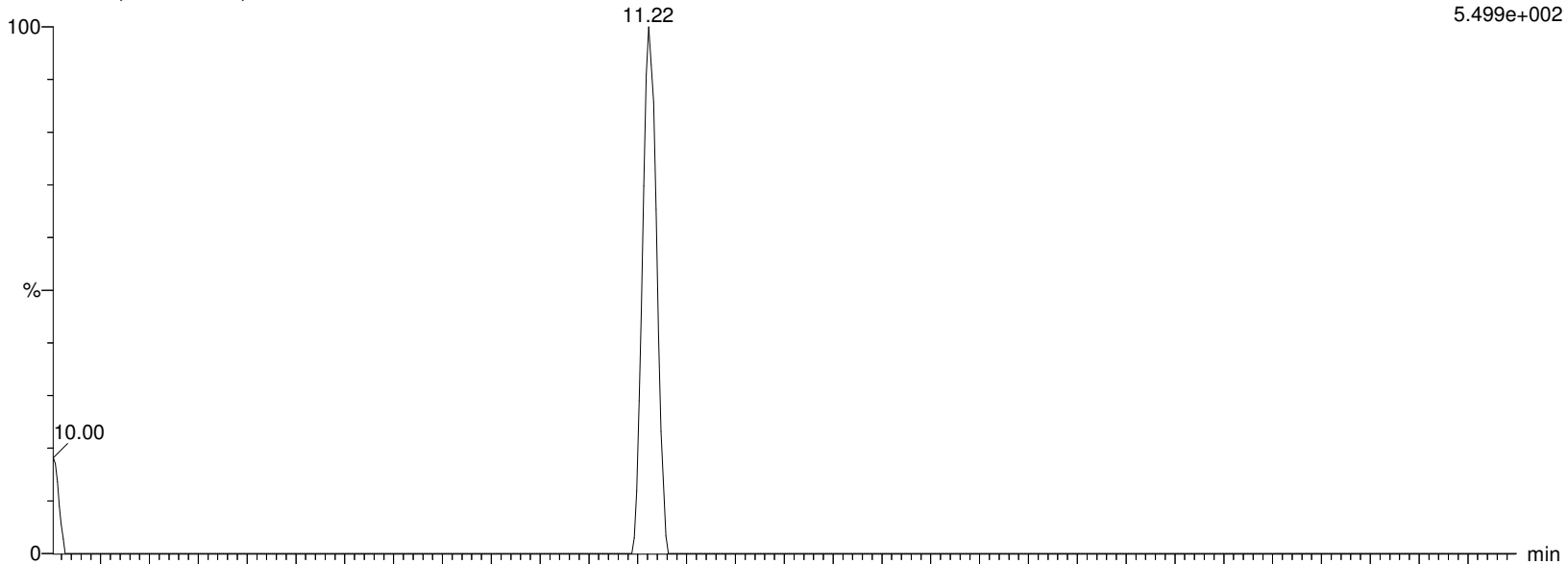
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.499e+002



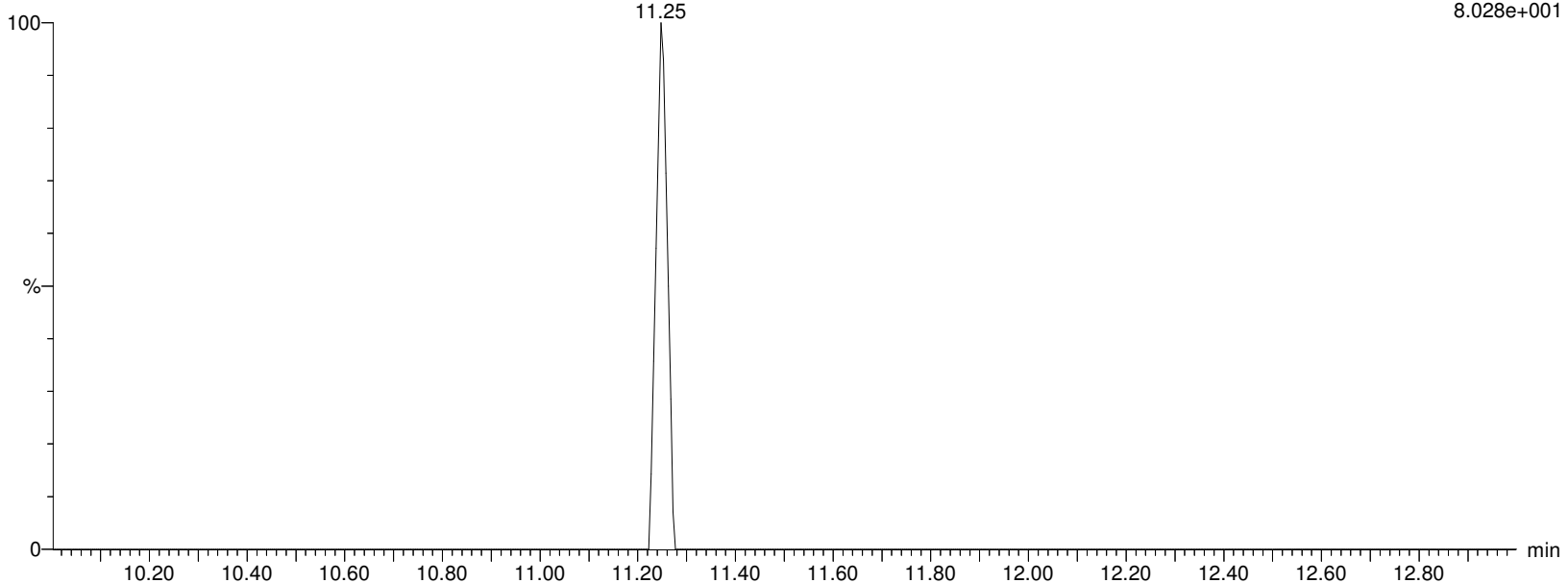
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.028e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NetFOSAA**

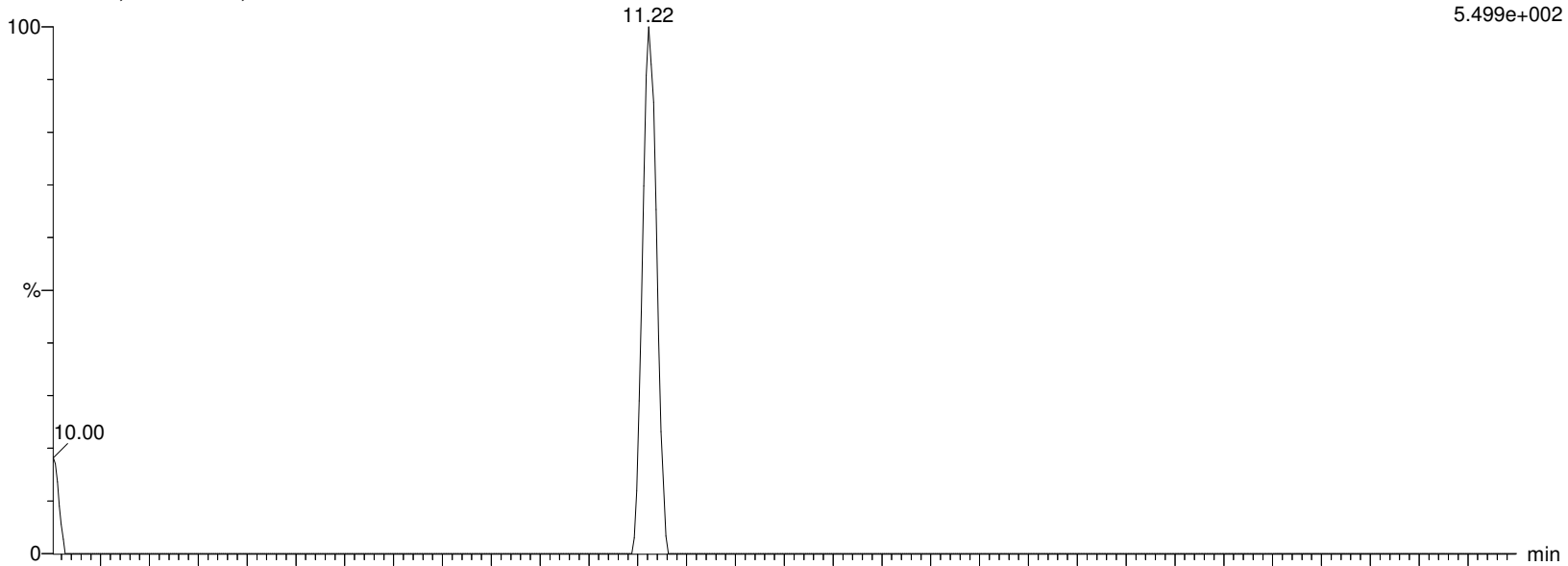
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 418.927

5.499e+002



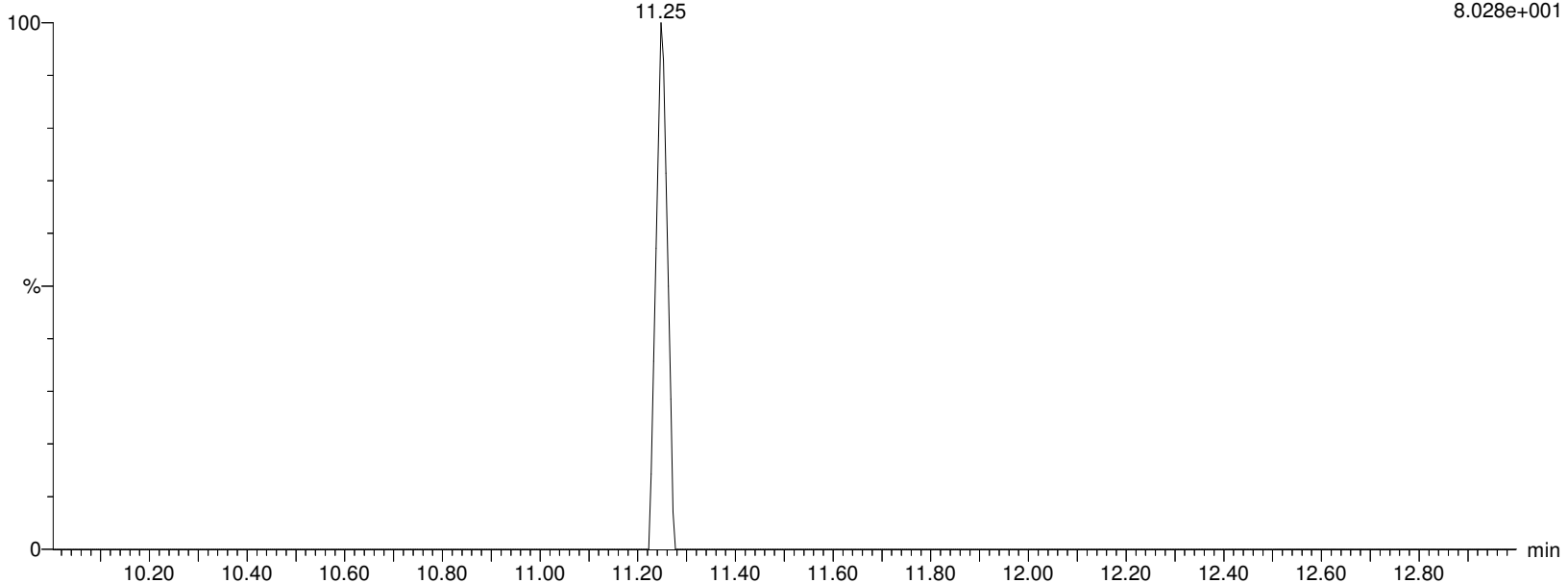
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.028e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

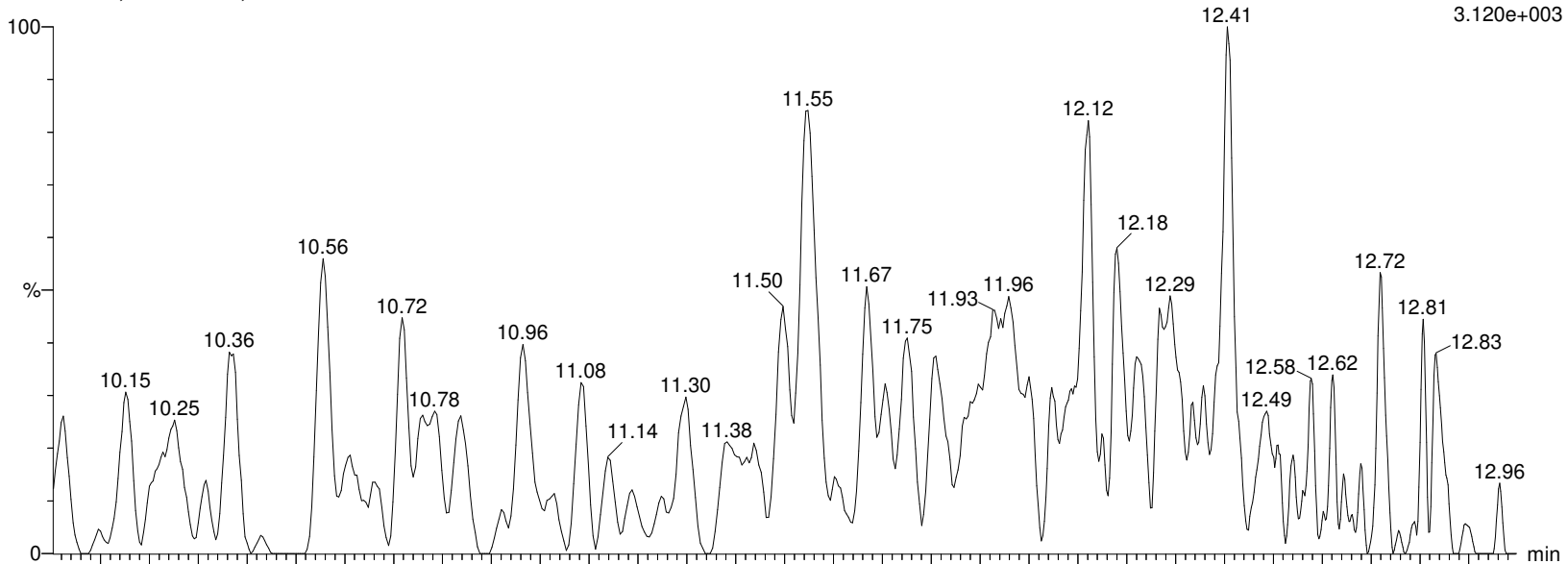
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F51:MRM of 2 channels, ES-

612.989 > 568.967

3.120e+003



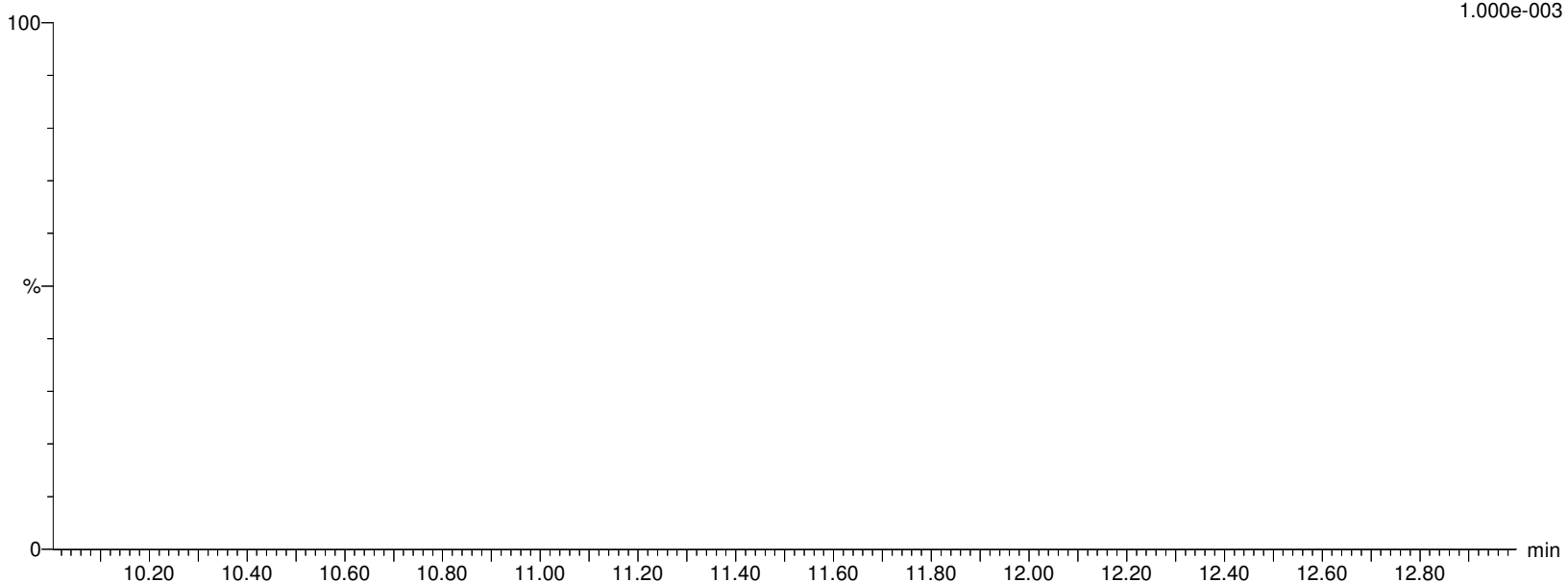
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F51:MRM of 2 channels, ES-

612.989 > 219.08

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

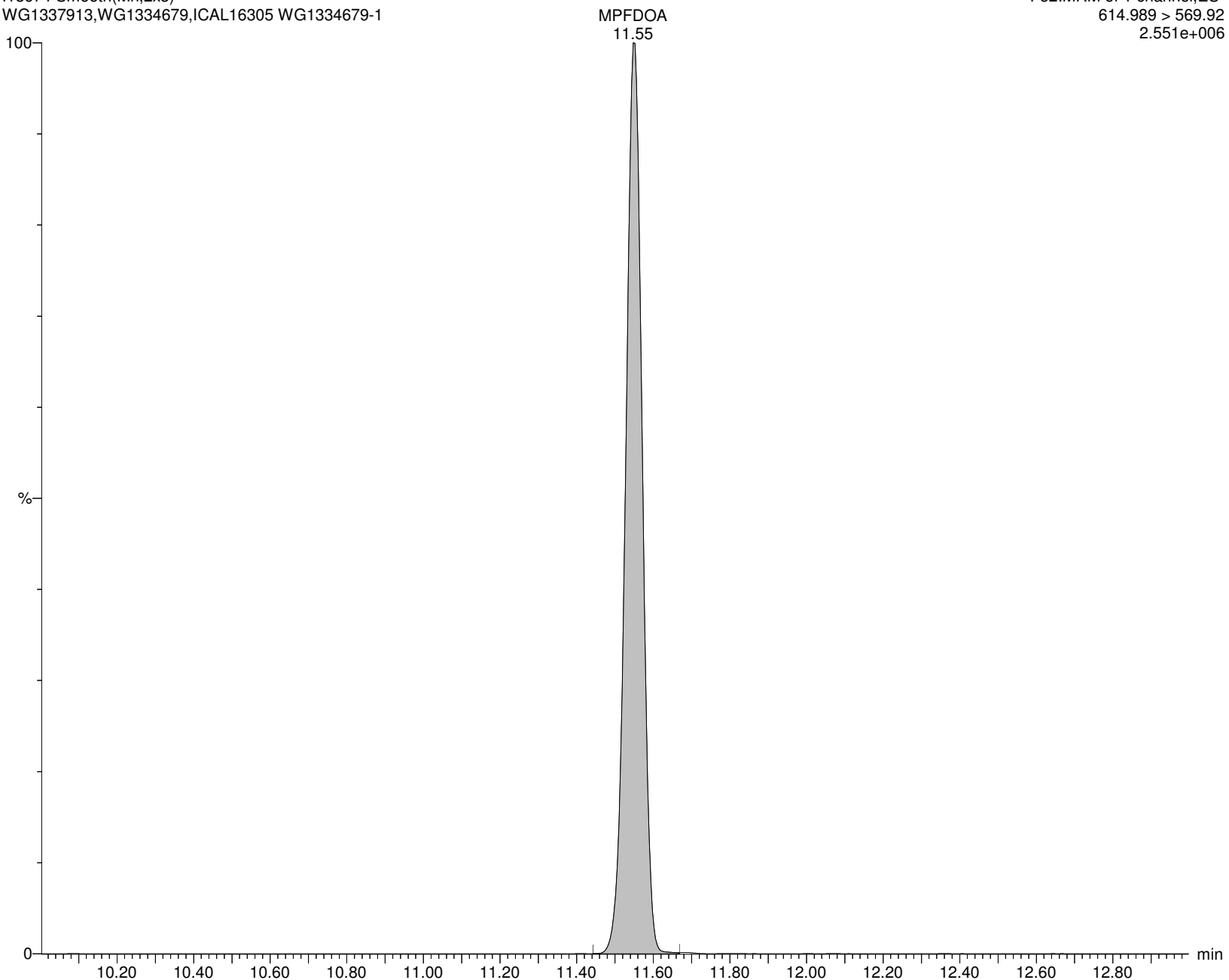
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.551e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

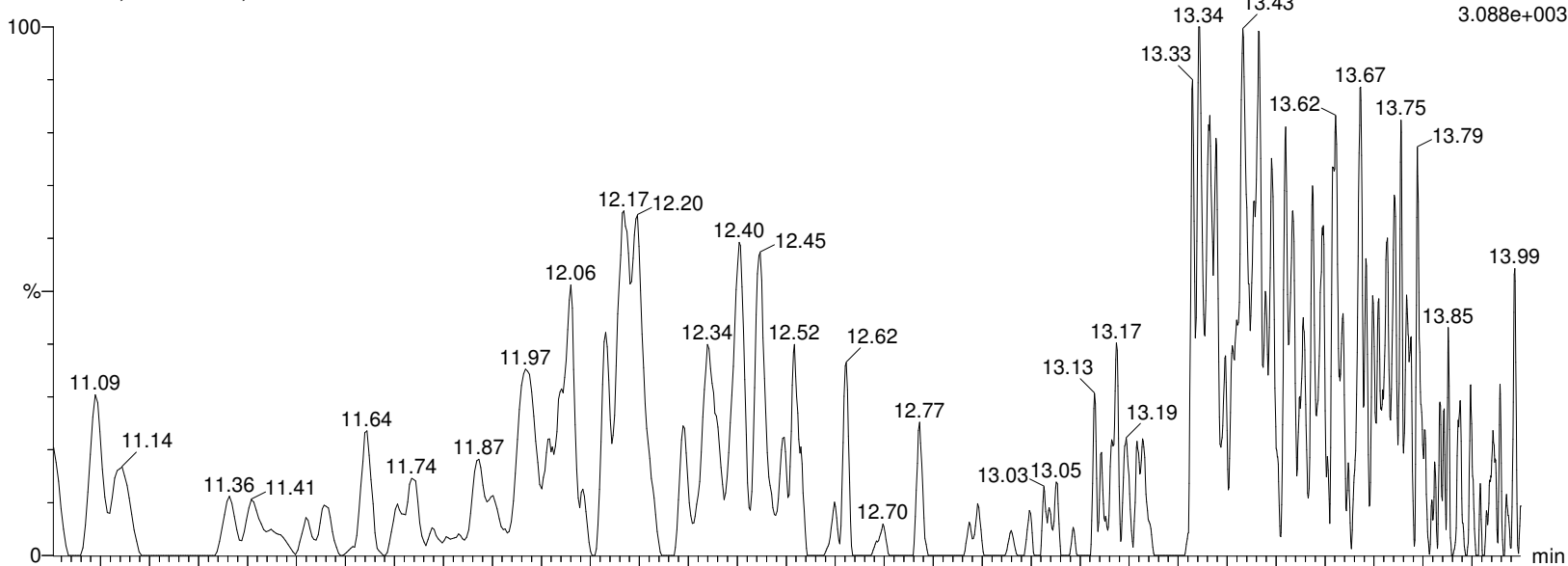
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

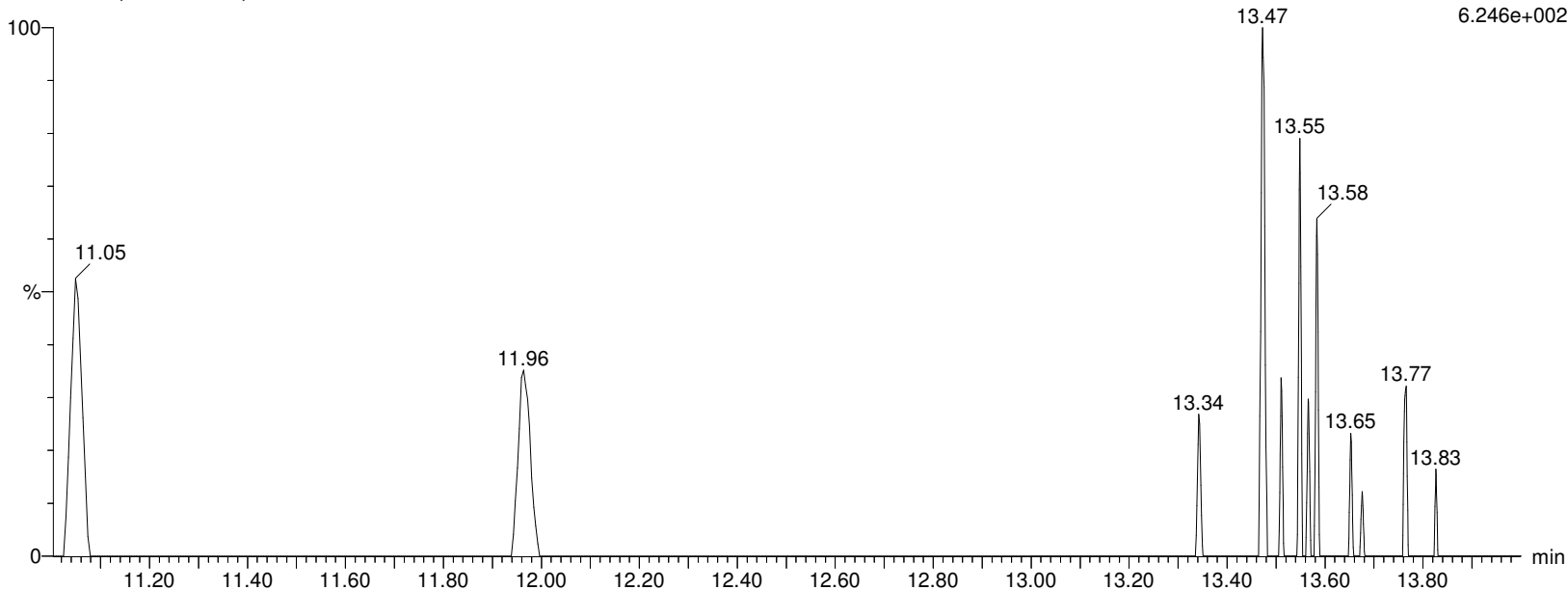
I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1



I18674 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-1



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18674

ID: WG1334679-1

Date: 06-Feb-2020

Time: 23:02:15

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,4

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

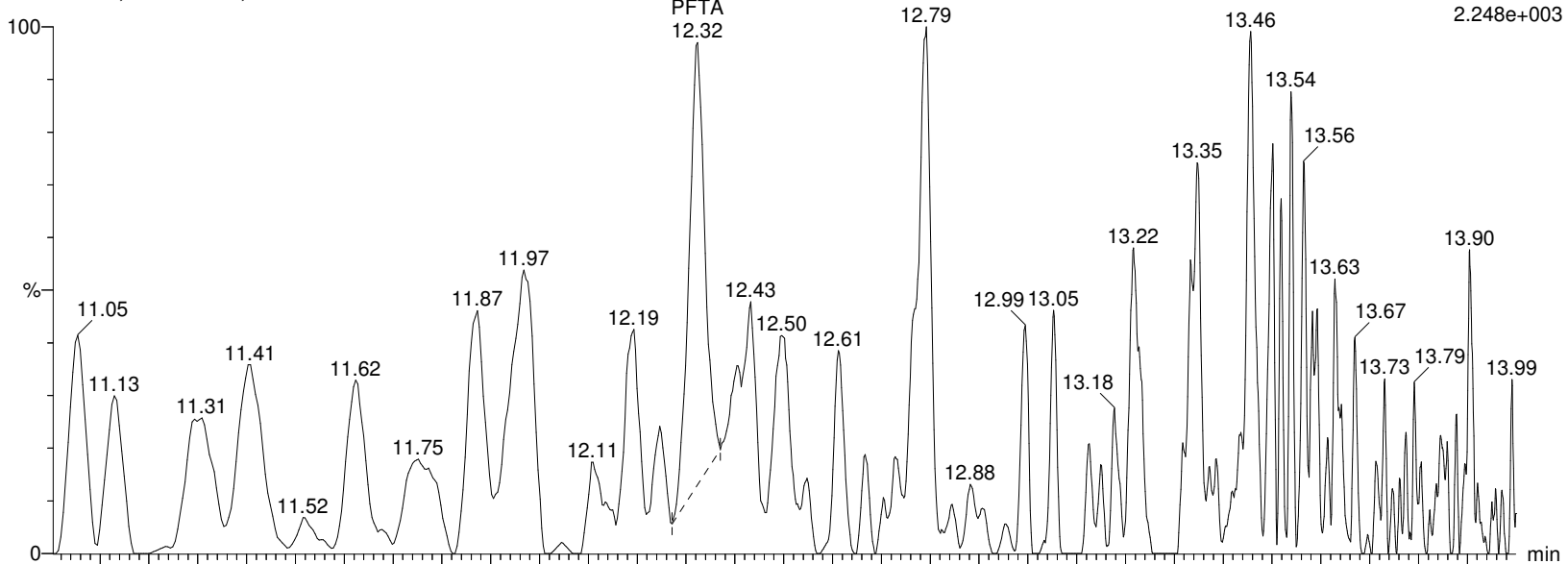
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F61:MRM of 2 channels, ES-

713.053 > 668.976

2.248e+003



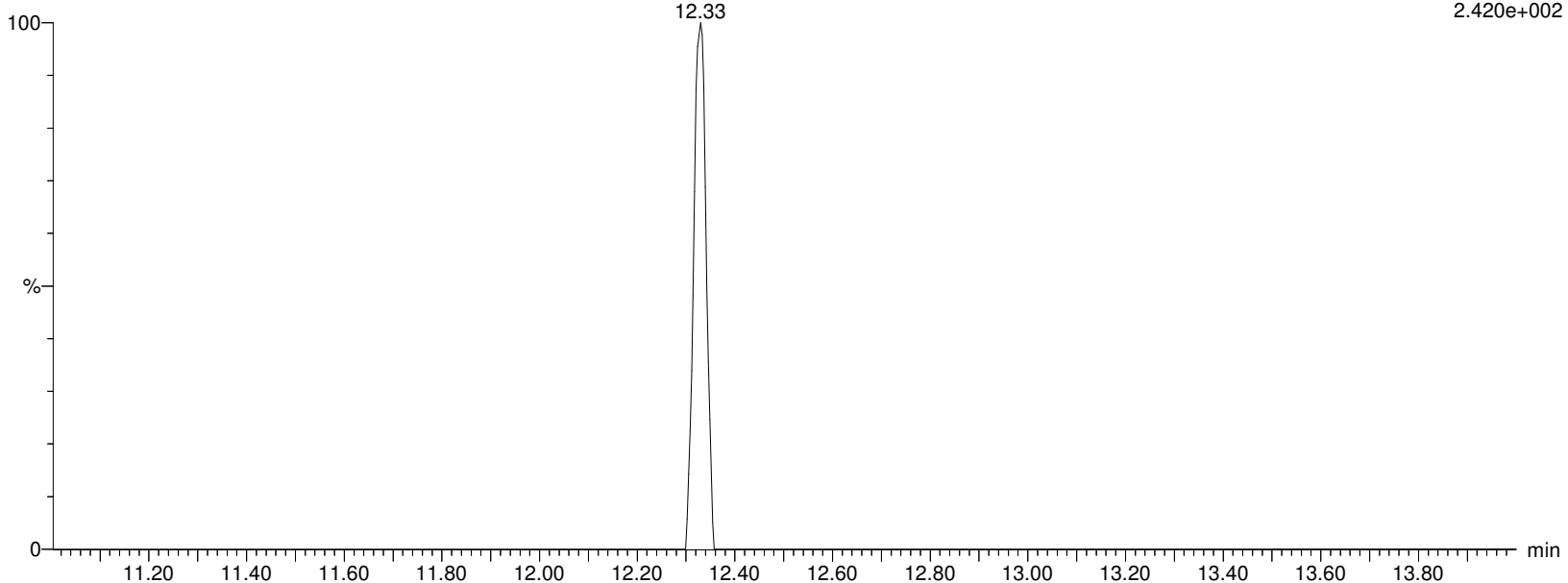
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F61:MRM of 2 channels, ES-

713.053 > 219.09

2.420e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:27 Eastern Standard Time

Name: I18674**ID: WG1334679-1****Date: 06-Feb-2020****Time: 23:02:15****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,4****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

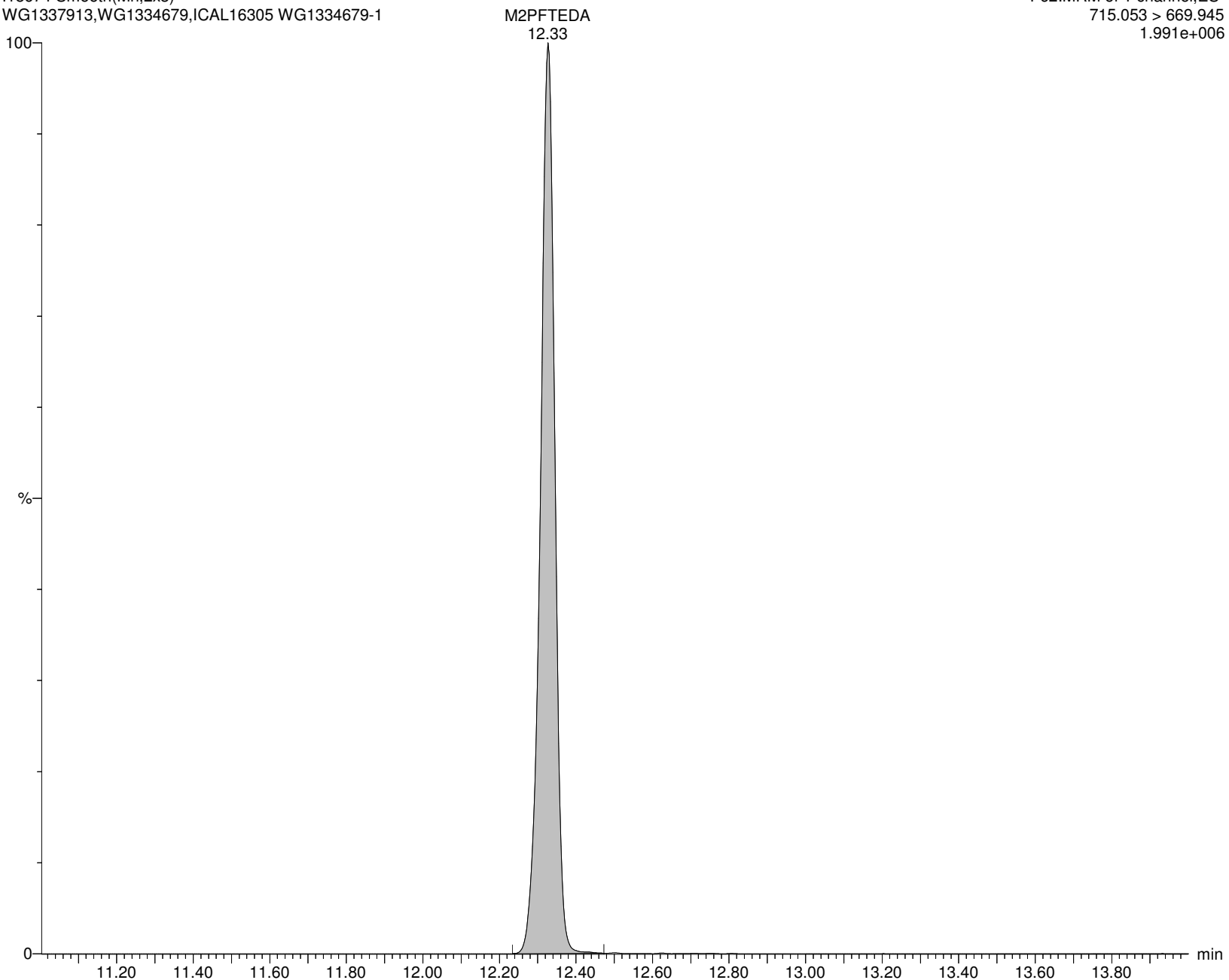
I18674 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-1

F62:MRM of 1 channel, ES-

715.053 > 669.945

1.991e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1334679-5

Name: I18675

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		212.926 > 169.111			ND		na	
2	M3PFBA	INT STD	2.20	215.926 > 172.122	41406		8.936		na	89.4
3	MPFBA	INT STD	2.19	216.926 > 172.137	31807		7.059		na	70.6
4	PFPeA	2706-90-3	5.03	262.926 > 219.002	610	m4	0.114		na	
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	55336		8.658		na	86.6
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.73	301.989 > 80.254	9255		8.781		na	87.8
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.88	329.117 > 309.079	9039		13.209		na	132.1
10	PFHxA	307-24-4	6.96	312.989 > 269.028	601	M4	0.096		YES	
11	M5PFHxA	INT STD	6.96	317.989 > 273.045	68379		6.935		na	69.3
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9		362.926 > 319.014			ND		YES	
14	M4PFHpA	INT STD	8.21	366.926 > 321.979	97111		7.394		na	73.9
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.37	401.926 > 80.317	6118		10.056		na	100.6
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1		412.989 > 368.9			ND	0.00	YES	
21	PFOA	335-67-1		412.989 > 368.9	0		ND		na	
22	M8PFOA	INT STD	9.12	420.989 > 375.979	101094		8.021		na	80.2
23	M2PFOA	INT STD	9.11	415.032 > 369.968	128808		12.185		na	121.8
24	6:2FTS	27619-97-2		426.989 > 406.921			ND		YES	
25	M2-6:2FTS	INT STD	9.08	428.989 > 408.917	6387		9.550		na	95.5
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1		462.989 > 418.931			ND		YES	
28	M9PFNA	INT STD	9.85	472.053 > 426.947	103117		8.315		na	83.2
29	br-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
30	L-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
31	PFOS	1763-23-1		498.989 > 80.294	0		ND		na	
32	M4PFOS	INT STD	9.90	503.032 > 80.306	7530		10.782		na	107.8
33	M8PFOS	INT STD	9.90	507.053 > 80.294	7736		10.012		na	100.1
34	PFDA	335-76-2		513.053 > 468.906			ND		YES	
35	M2PFDA	INT STD	10.49	515.053 > 469.934	114990		13.024		na	130.2
36	M6PFDA	INT STD	10.49	519.053 > 473.931	100514		8.458		na	84.6
37	8:2FTS	39108-34-4		526.926 > 506.818			ND		na	
38	M2-8:2FTS	INT STD	10.48	529.053 > 508.945	4134		10.536		na	105.4
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

ID: WG1334679-5

Name: I18675

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.096 > 418.987	8892		6.570		na	65.7
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9		570.053 > 418.917			ND	0.00	YES	
43	NMeFOSAA	2355-31-9		570.053 > 418.917	0		ND		na	
44	PFUnA	2058-94-8		562.989 > 518.903			ND	0.00	YES	
45	M7-PFUDA	INT STD	11.05	570.053 > 524.923	98652		9.357		na	93.6
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6		497.989 > 78.245			ND		YES	
48	M8FOSA	INT STD	10.94	506.053 > 78.286	6661		2.371		na	23.7
49	d5-NEtFOSAA	INT STD	11.19	589.117 > 418.929	7422		6.208		na	62.1
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
52	NEtFOSAA	2991-50-6		583.989 > 418.927	0		ND		na	
53	PFDaA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.53	614.989 > 569.92	100436		8.491		na	84.9
55	PFTTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.31	715.053 > 669.945	79690		8.482		na	84.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

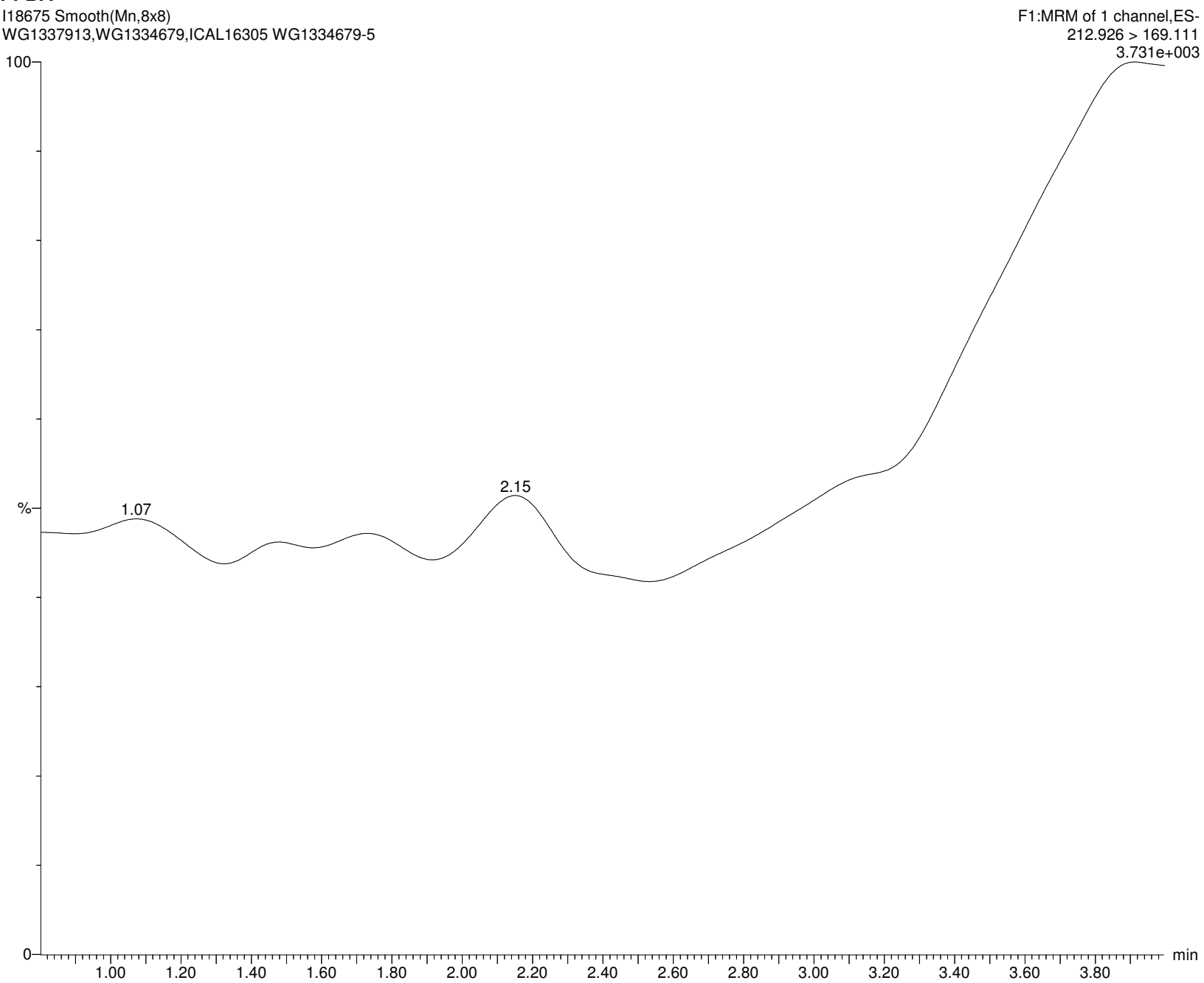
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MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

I18675 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

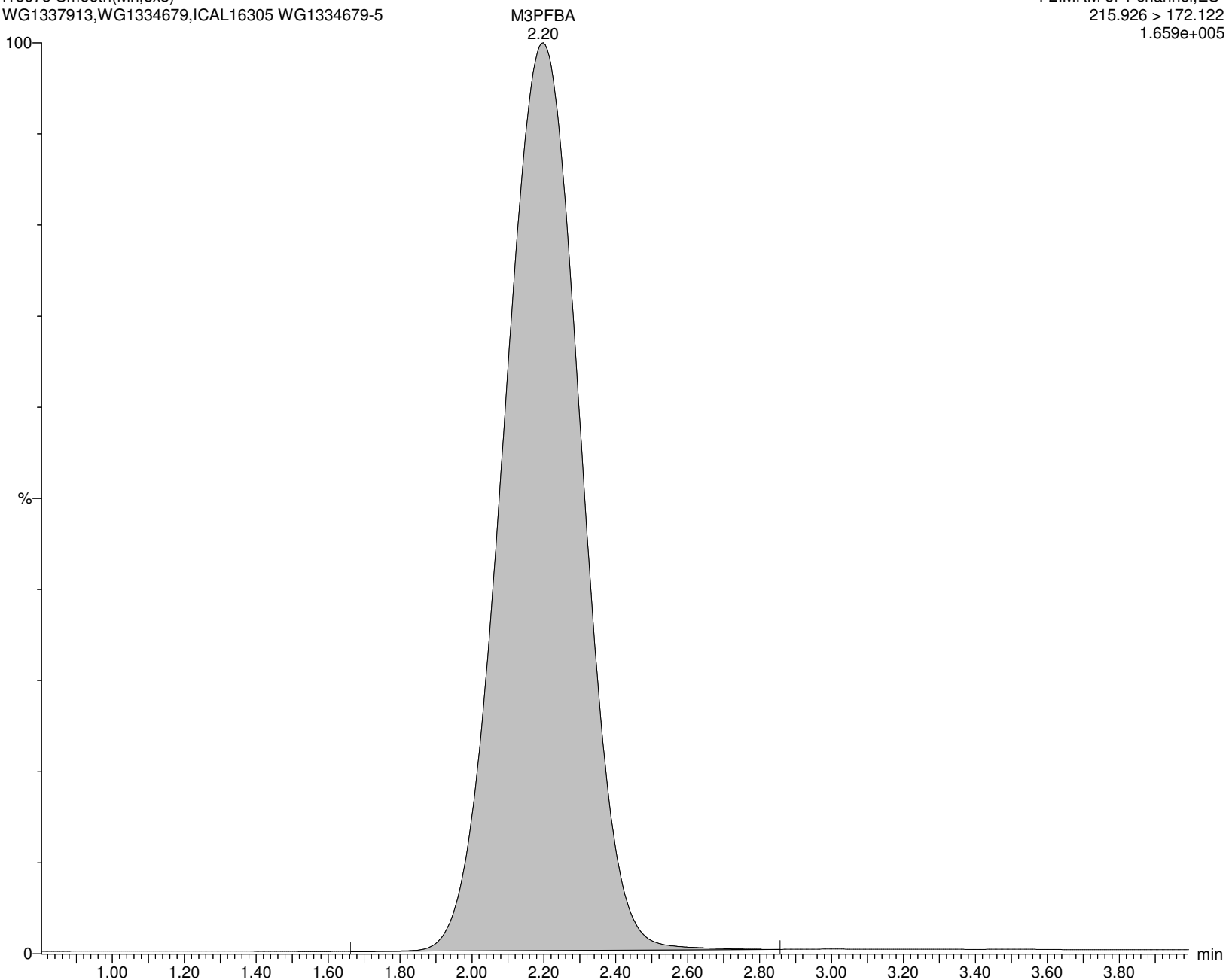
I18675 Smooth(Mn,8x8)

WG1337913,WG1334679,ICAL16305 WG1334679-5

F2:MRM of 1 channel,ES-

215.926 > 172.122

1.659e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

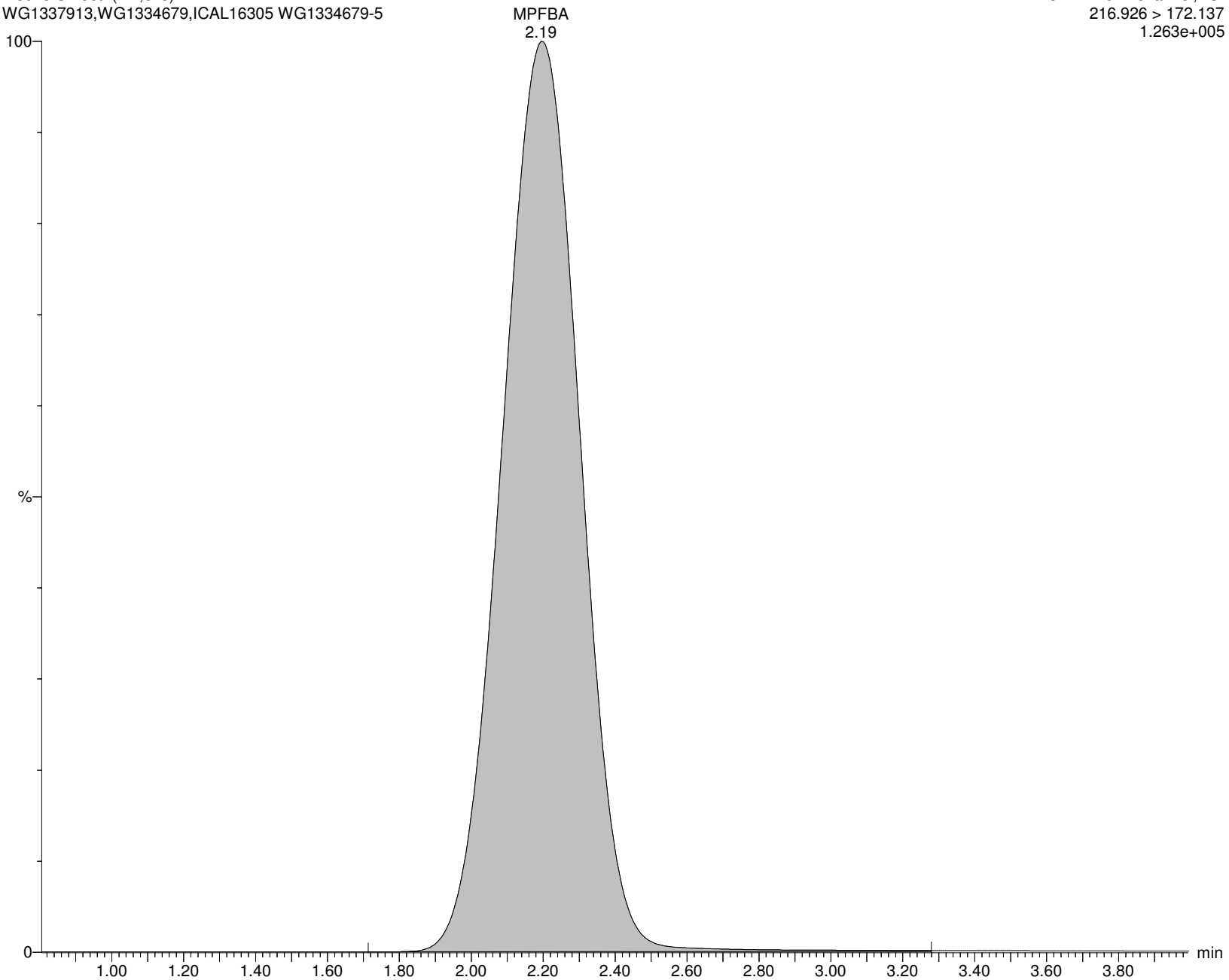
I18675 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F3:MRM of 1 channel, ES-

216.926 > 172.137

1.263e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

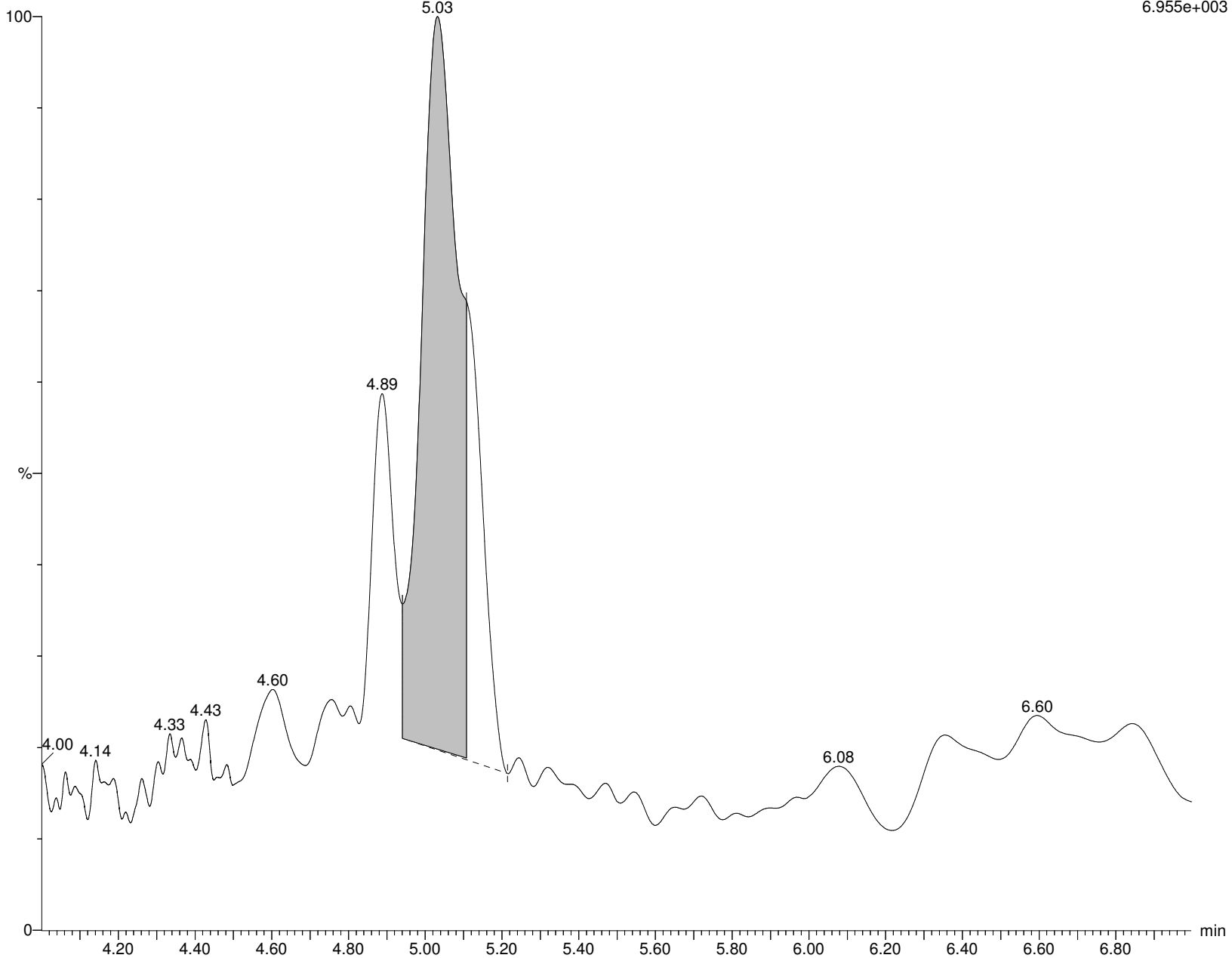
I18675 Smooth(Mn,7x7)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F4:MRM of 1 channel, ES-

262.926 > 219.002

6.955e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18675 Smooth(Mn,10x10)

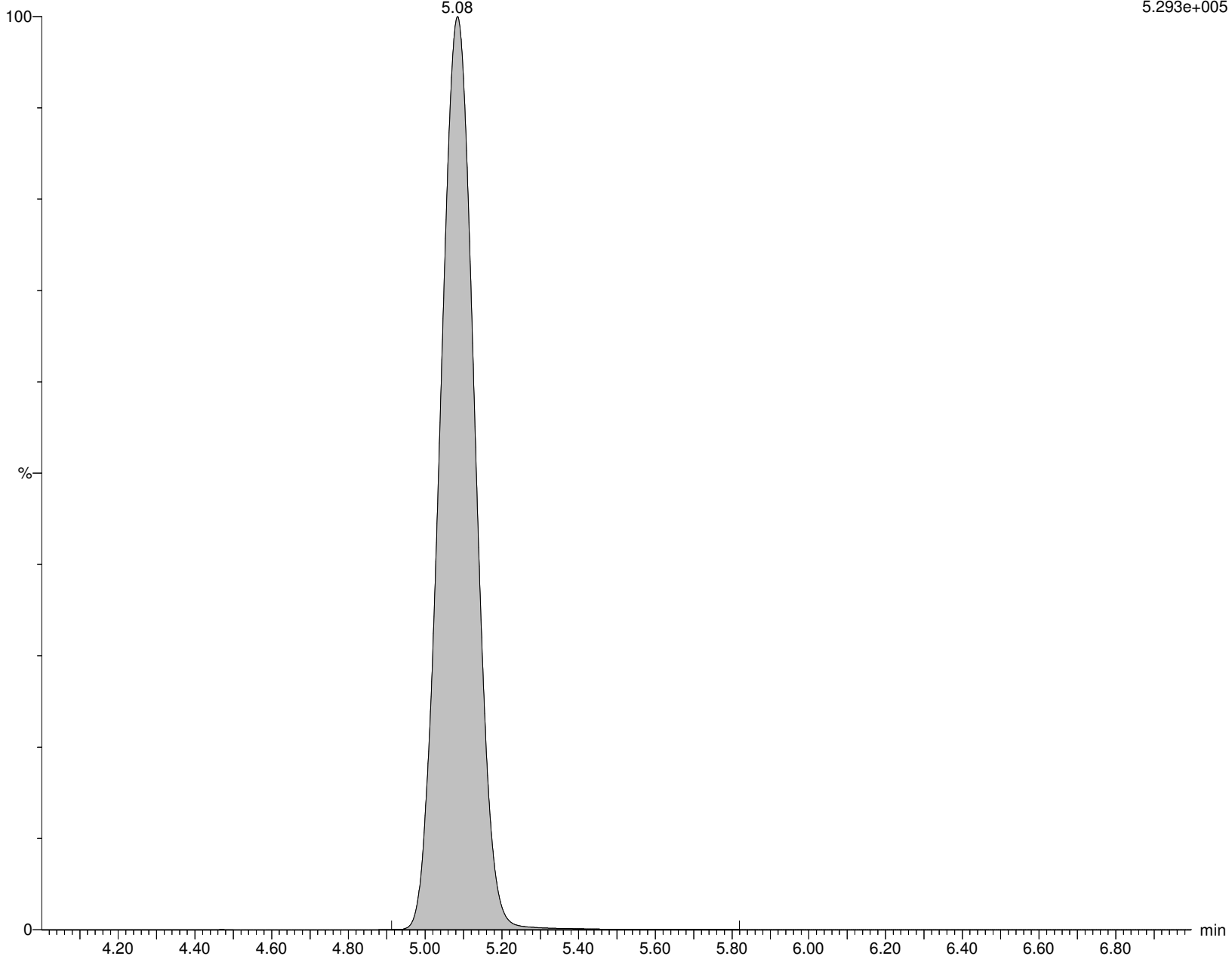
WG1337913, WG1334679, ICAL16305 WG1334679-5

M5PFPEA
5.08

F5:MRM of 1 channel, ES-

267.989 > 223.081

5.293e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFBS**

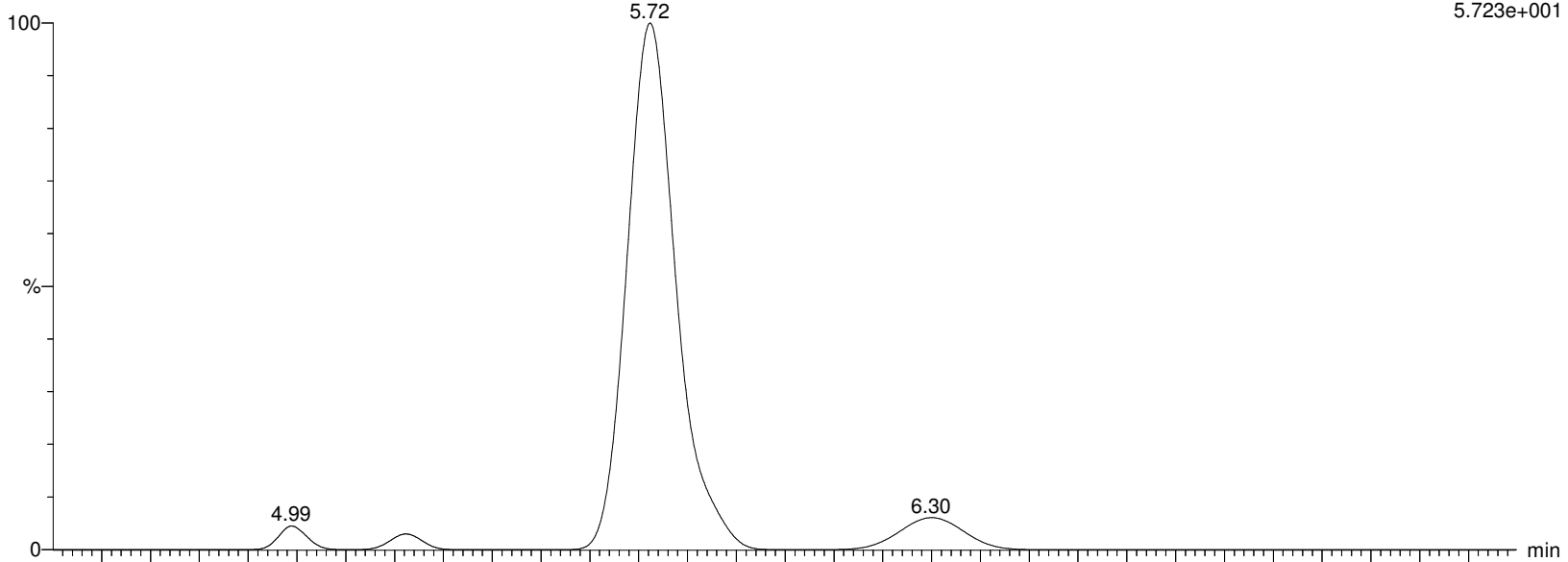
I18675 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F7:MRM of 2 channels, ES-

298.926 > 79.923

5.723e+001



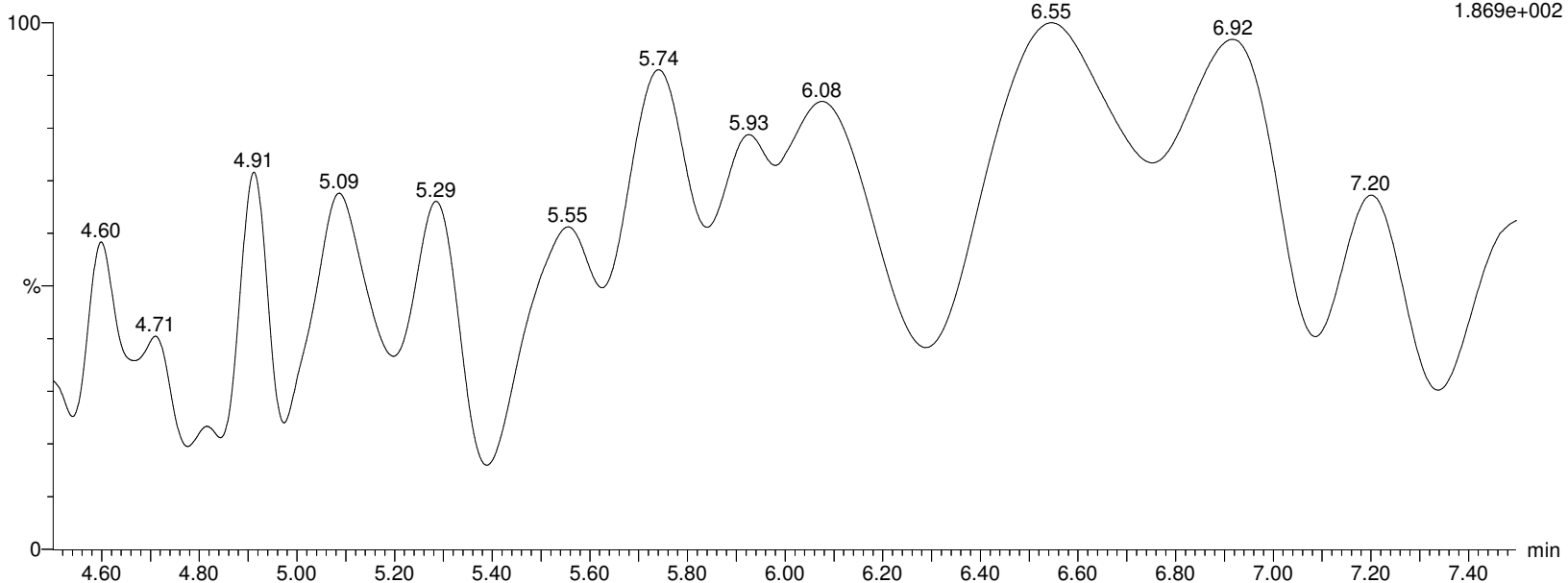
I18675 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F7:MRM of 2 channels, ES-

298.926 > 98.862

1.869e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

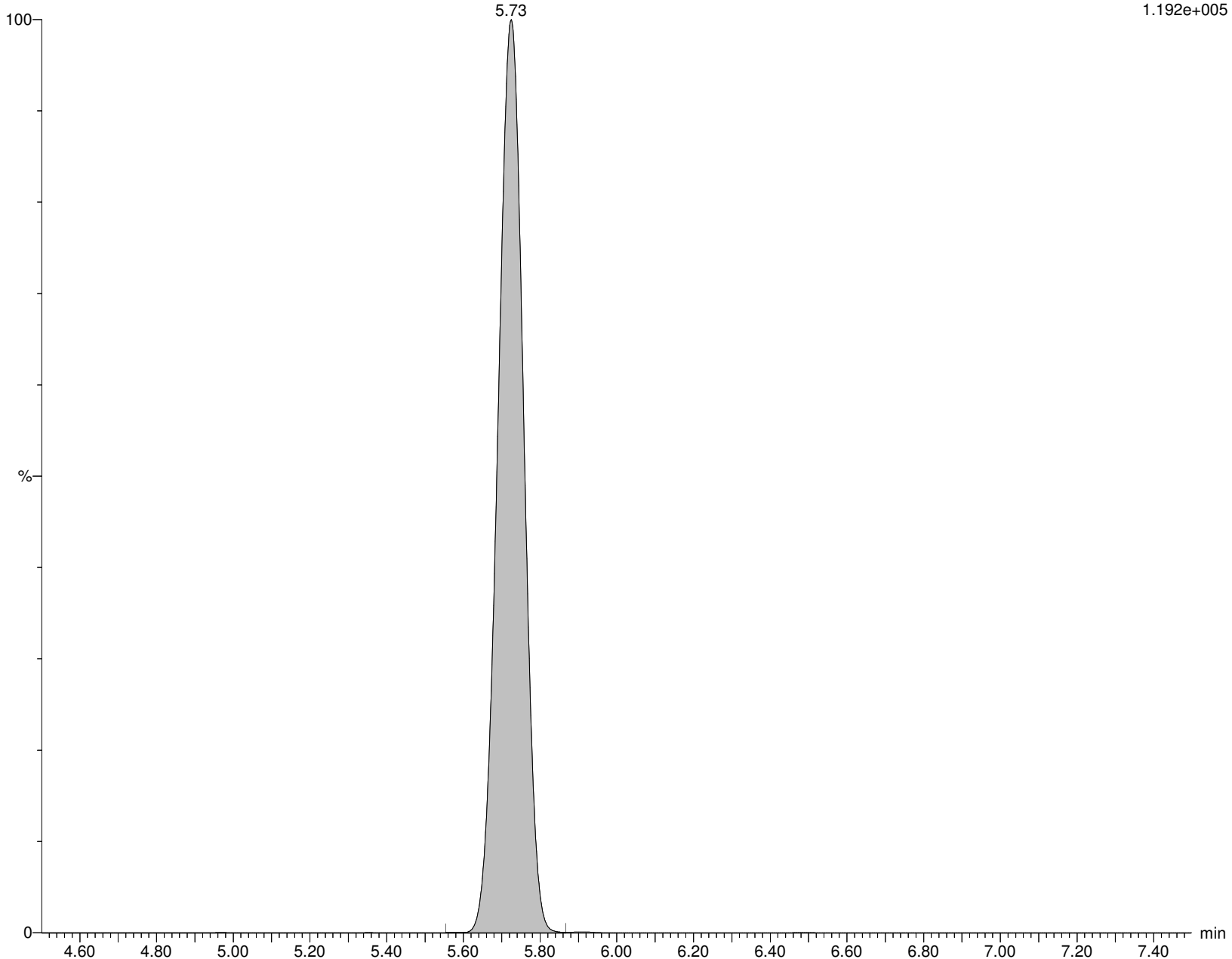
I18675 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.192e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****4:2FTS**

I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.294e+002



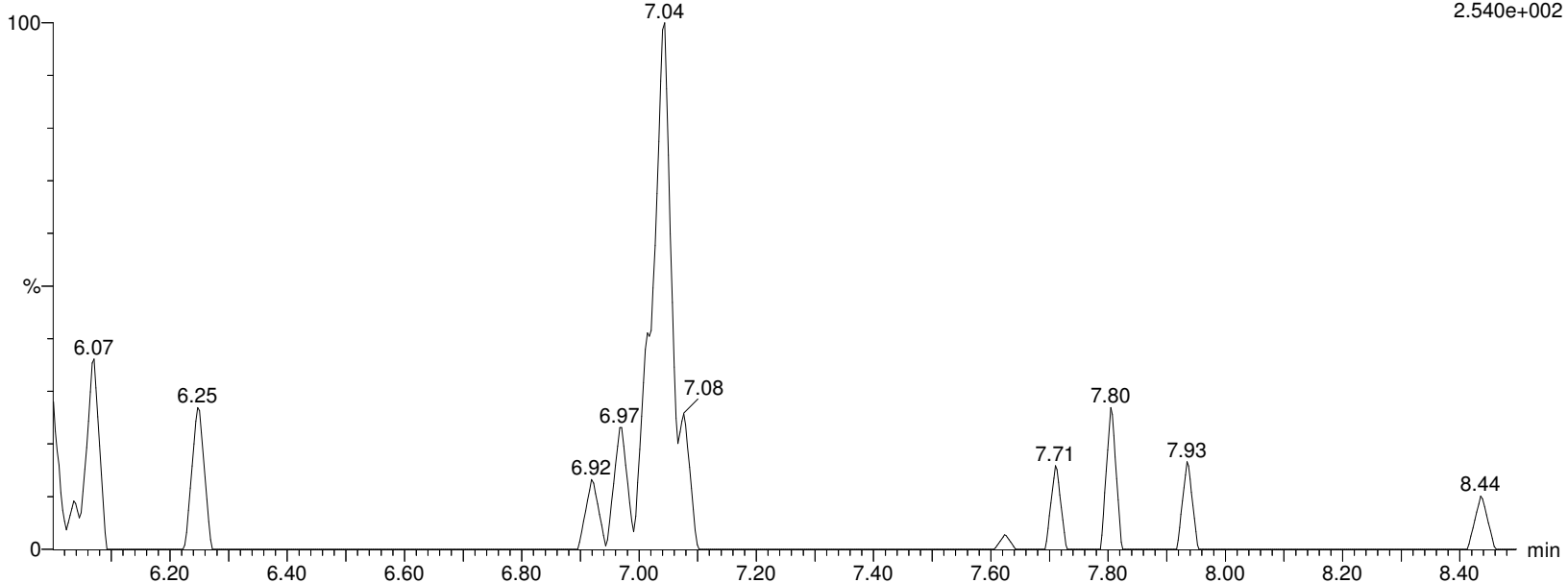
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F11:MRM of 2 channels, ES-

326.926 > 81.02

2.540e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

I18675 Smooth(Mn,2x3)

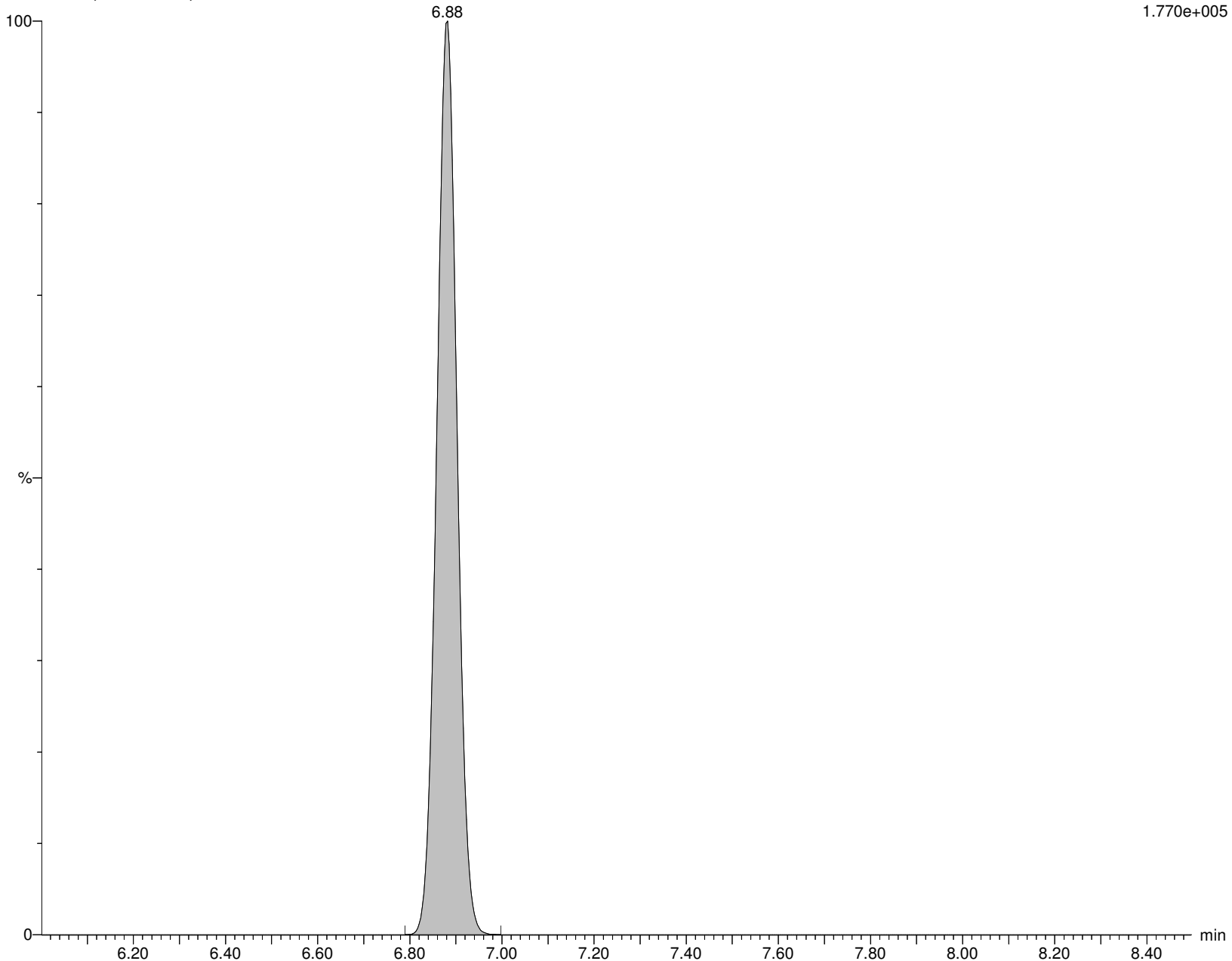
WG1337913, WG1334679, ICAL16305 WG1334679-5

M2-4:2FTS

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.770e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

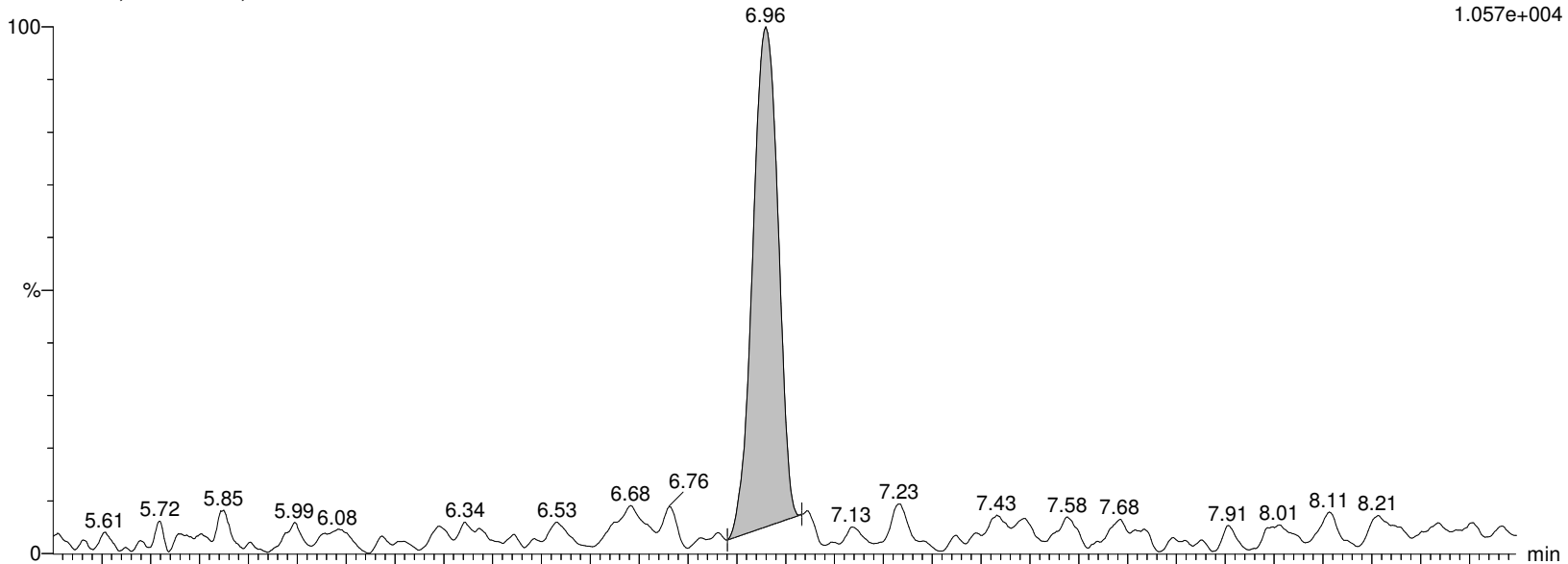
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.057e+004



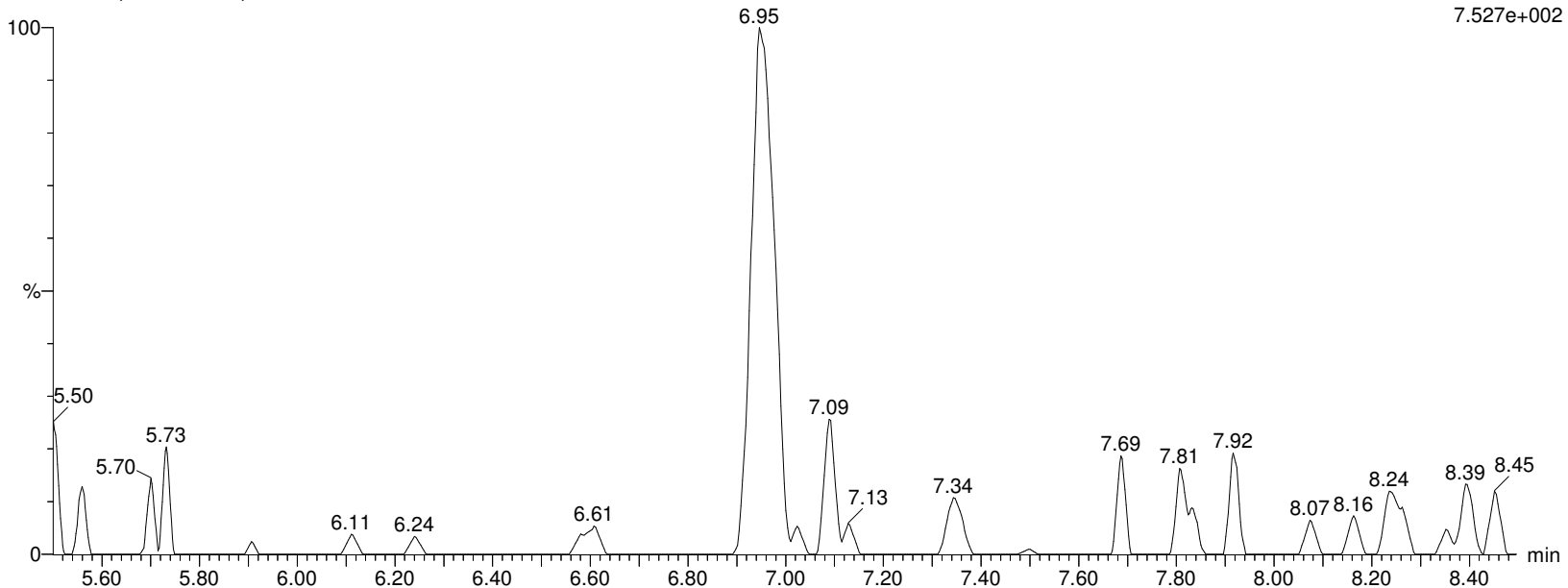
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F9:MRM of 2 channels, ES-

312.989 > 119.18

7.527e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

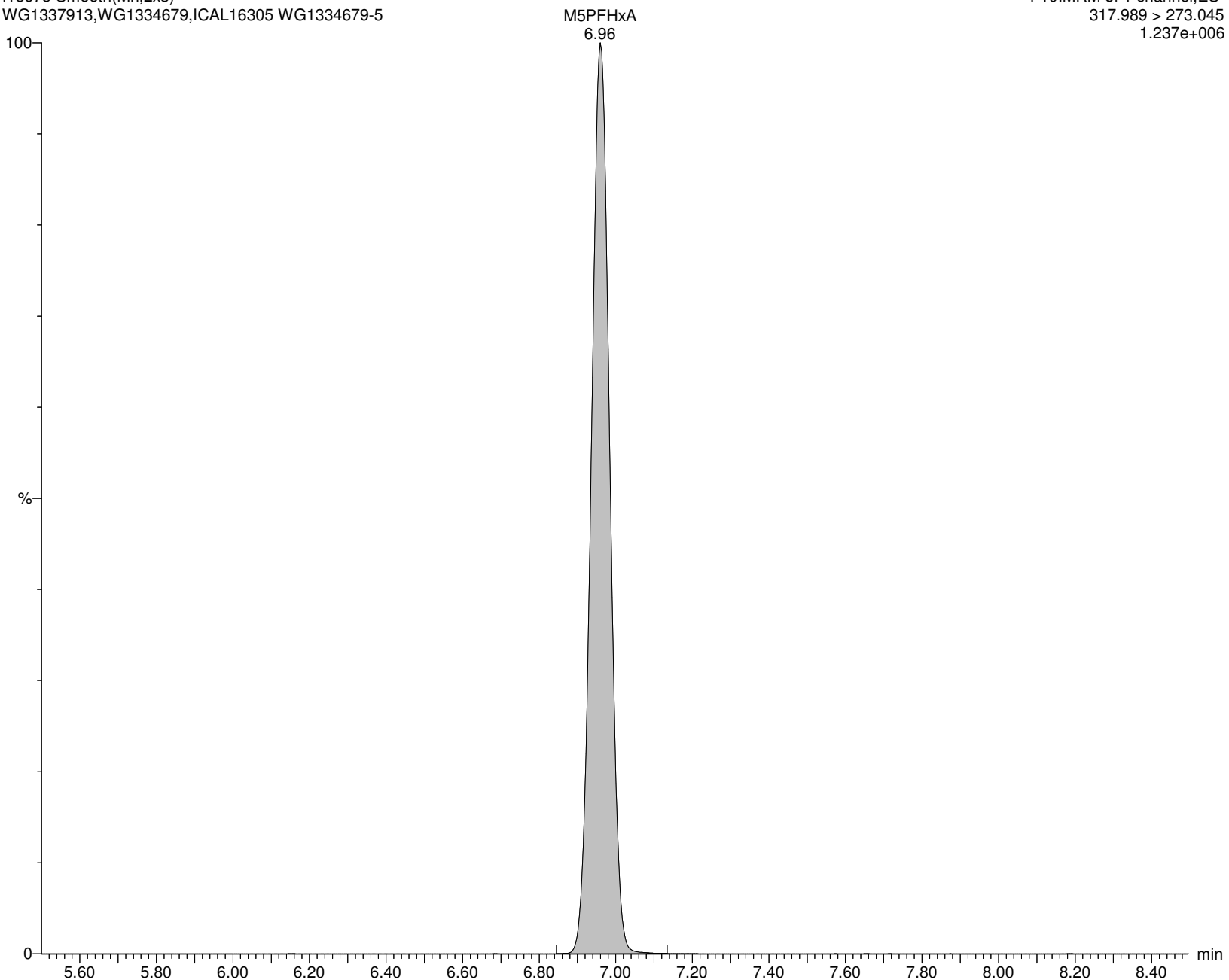
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F10:MRM of 1 channel, ES-

317.989 > 273.045

1.237e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

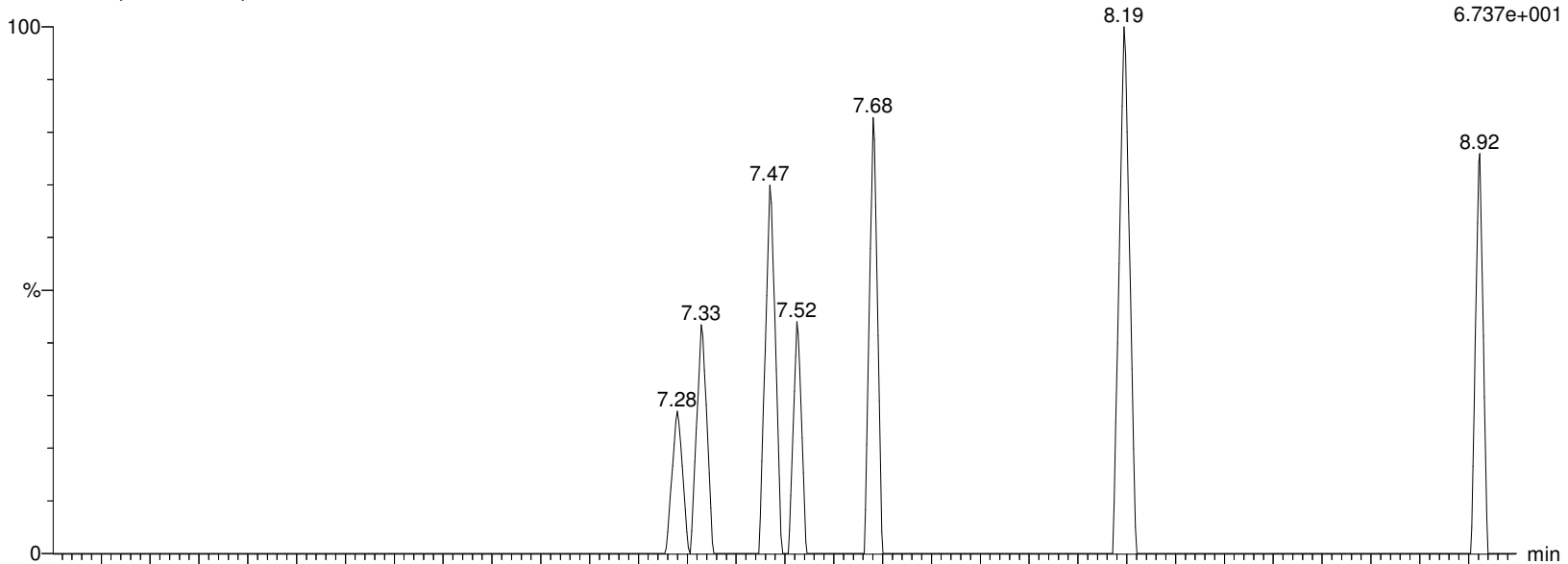
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F14:MRM of 2 channels, ES-

348.926 > 80.251

6.737e+001



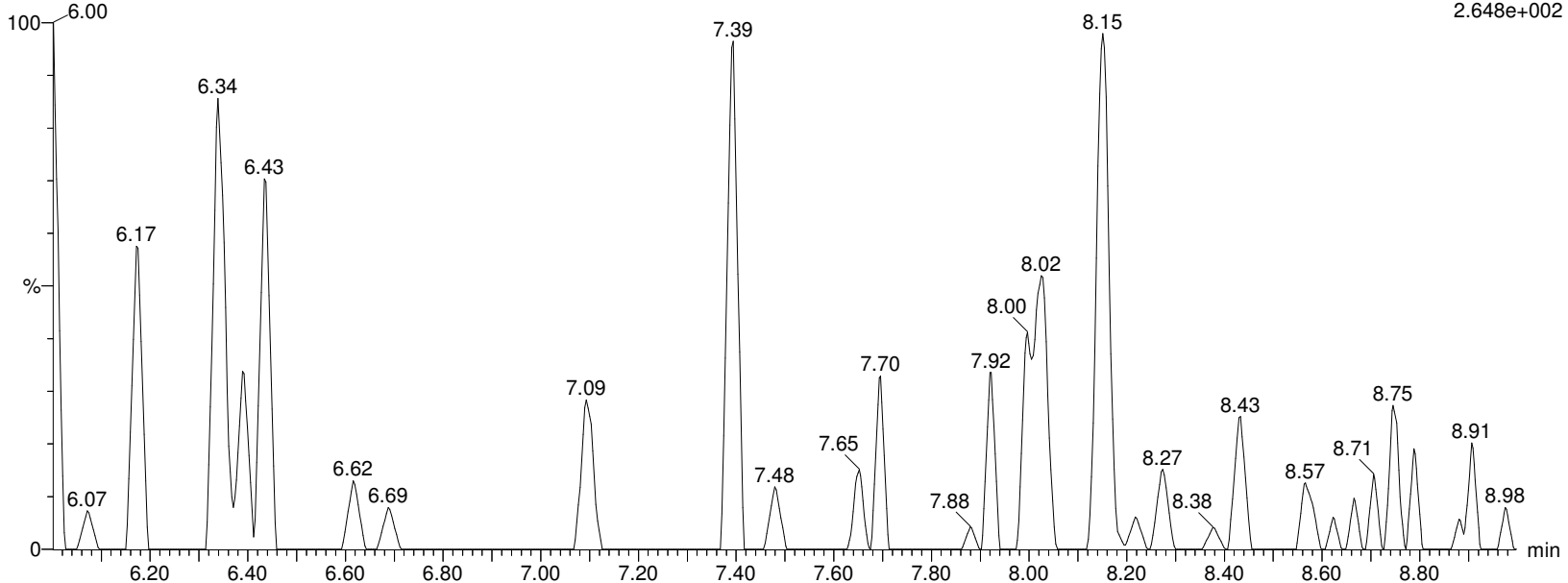
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F14:MRM of 2 channels, ES-

348.926 > 99.16

2.648e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

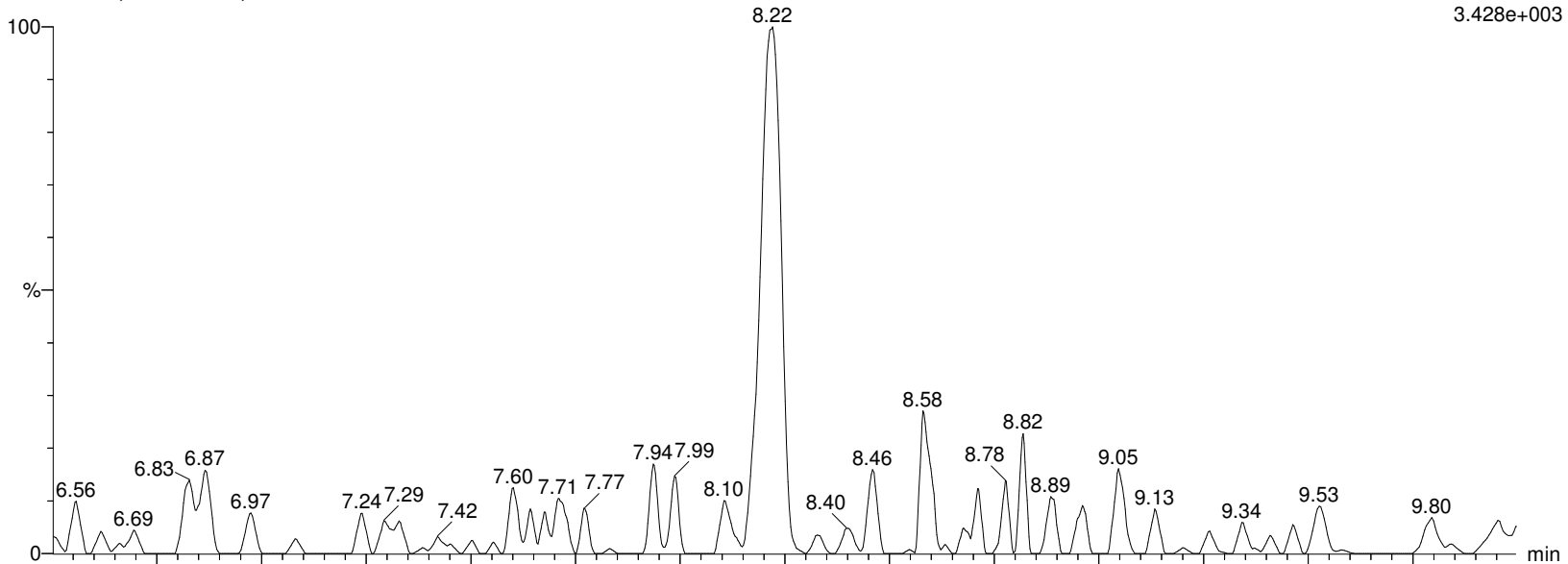
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F15:MRM of 2 channels, ES-

362.926 > 319.014

3.428e+003



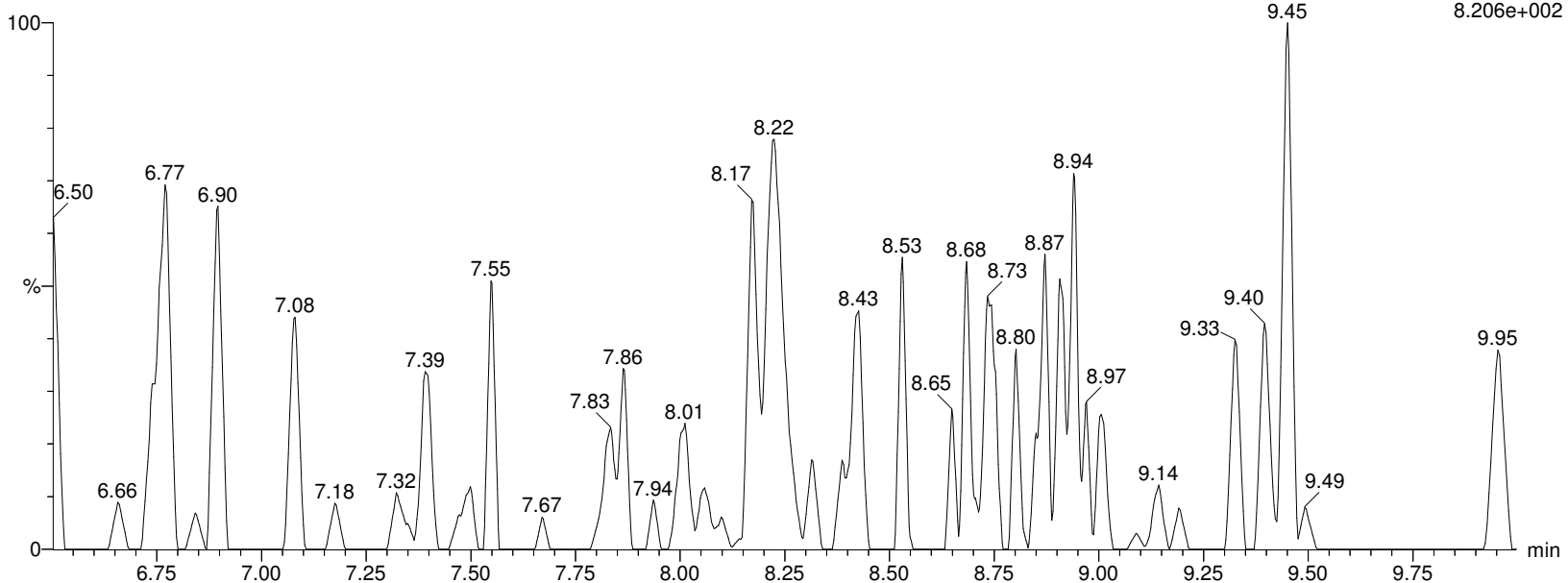
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F15:MRM of 2 channels, ES-

362.926 > 169.12

8.206e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

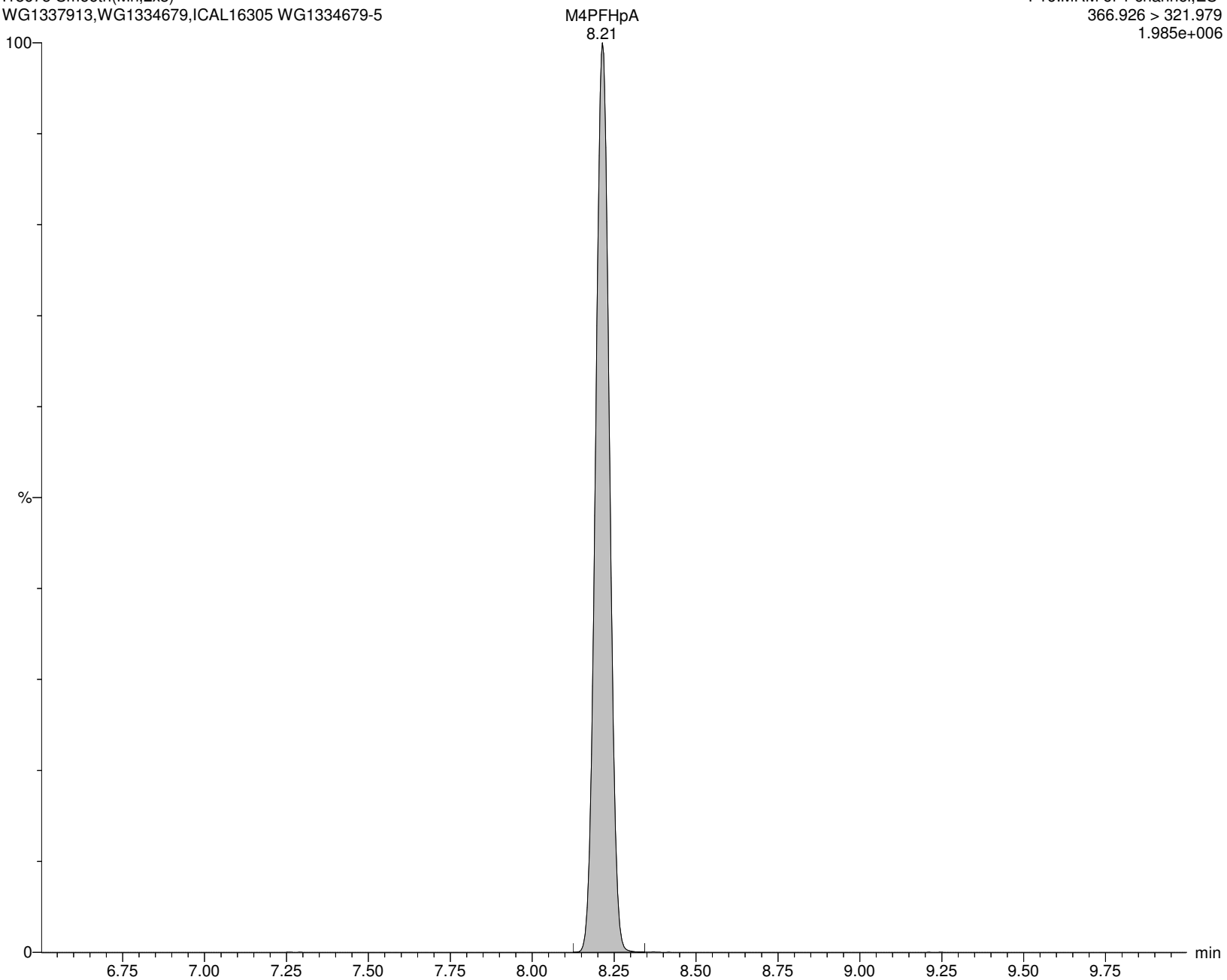
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F16:MRM of 1 channel, ES-

366.926 > 321.979

1.985e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-PFHxS**

I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.000e-003



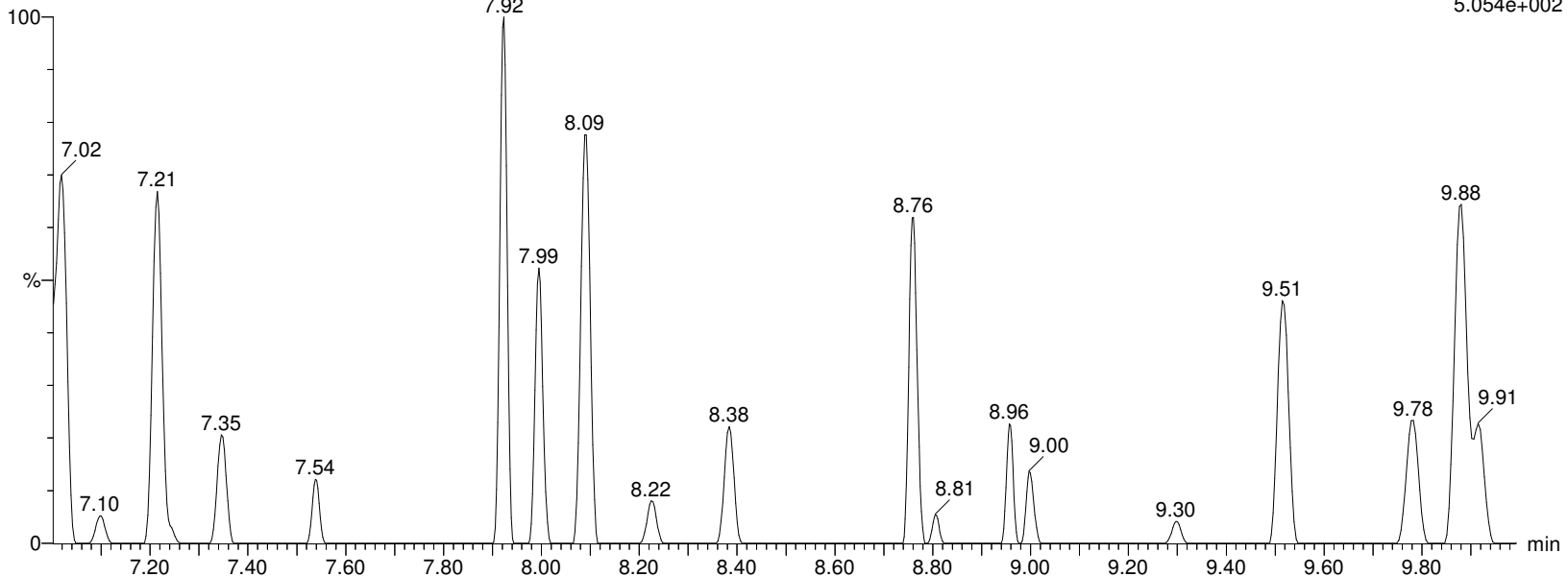
I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.054e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****L-PFHxS**

I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.000e-003



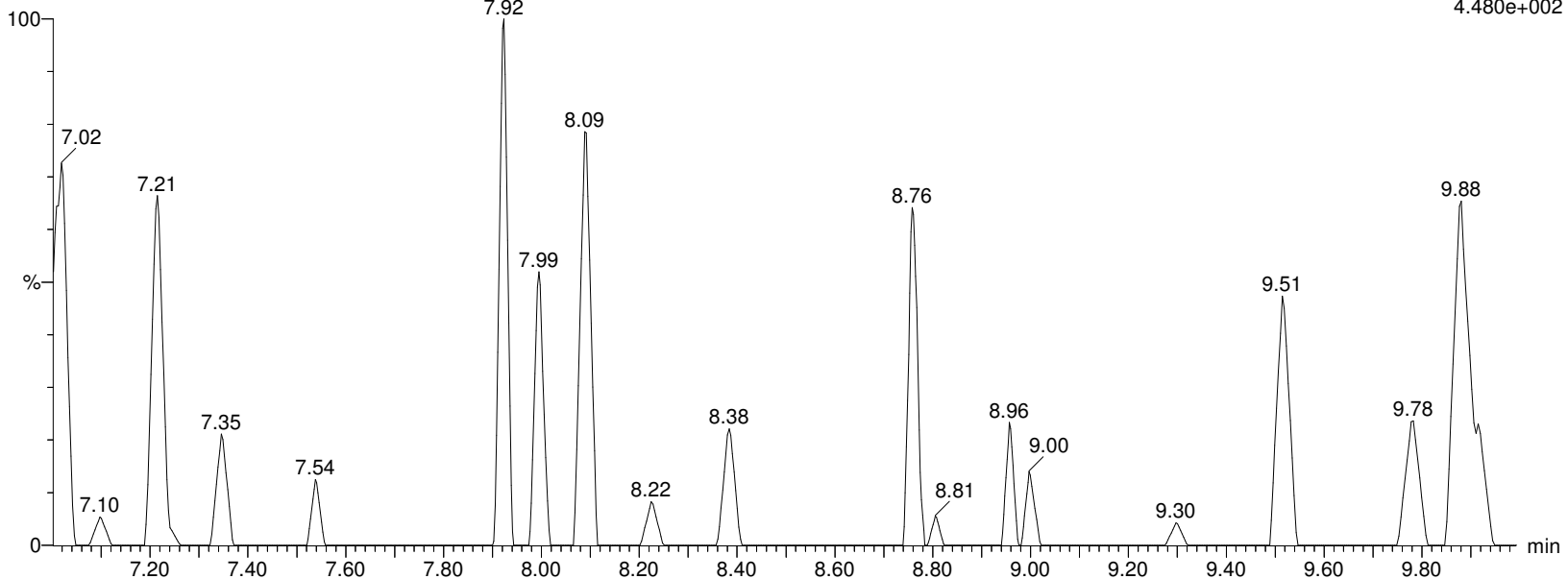
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 99.2

4.480e+002



Alpha Analytical Inc.

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I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.000e-003



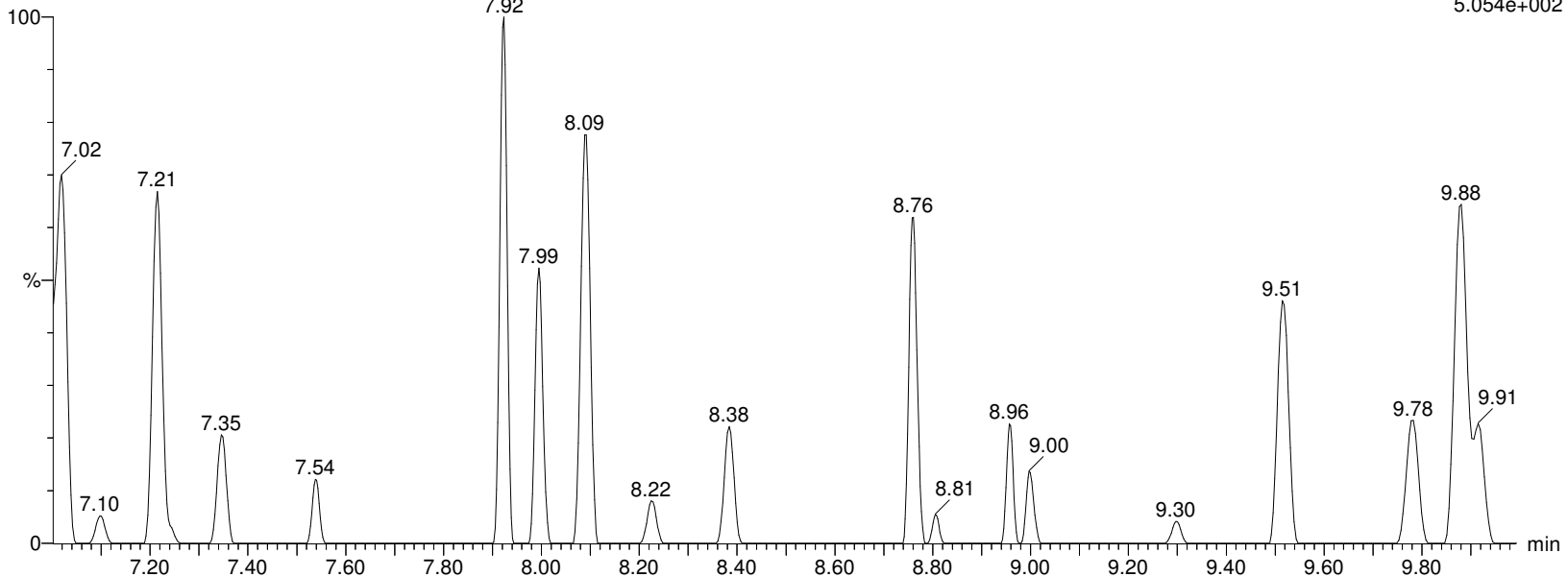
I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F18:MRM of 2 channels, ES-

398.926 > 99.2

5.054e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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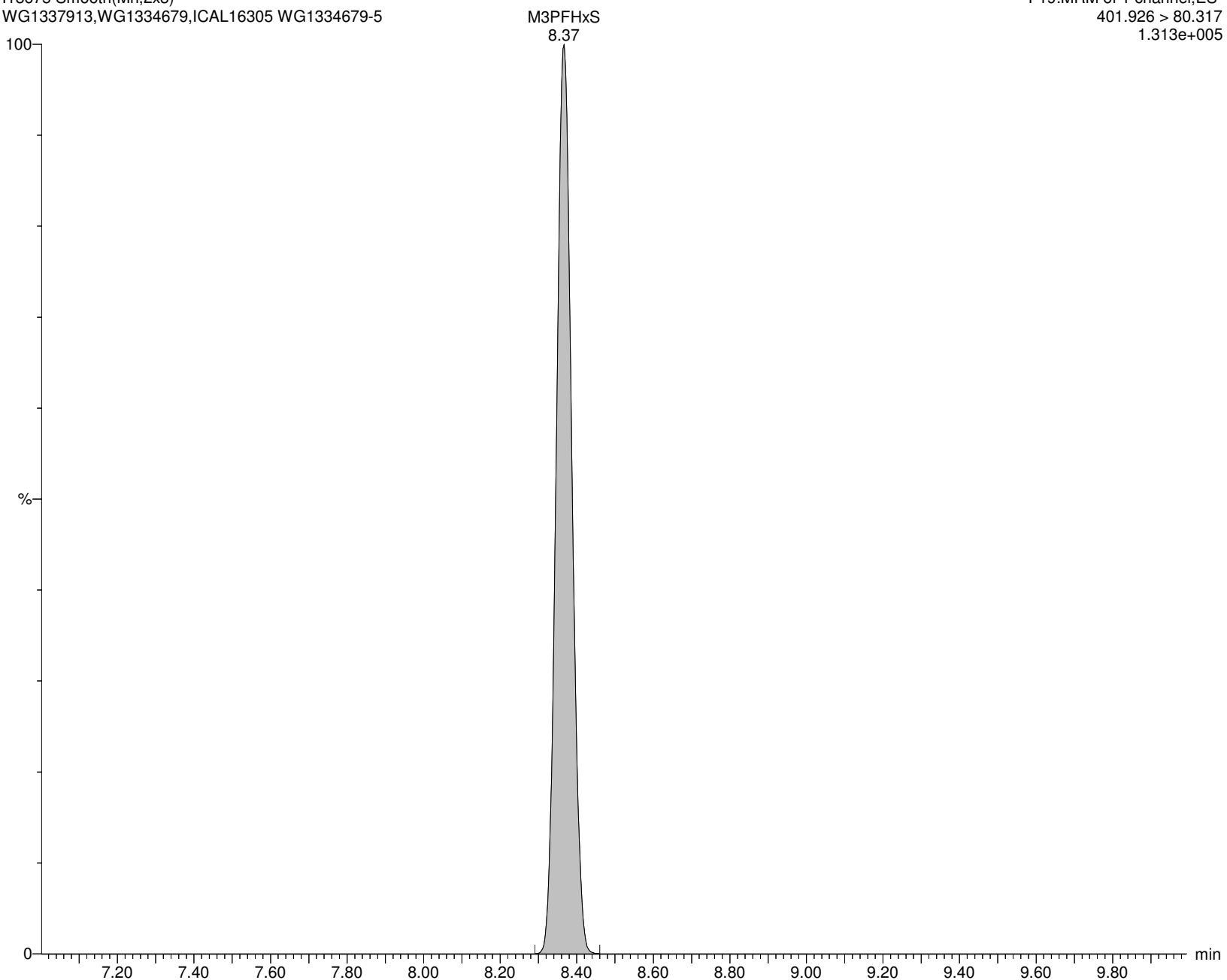
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.313e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

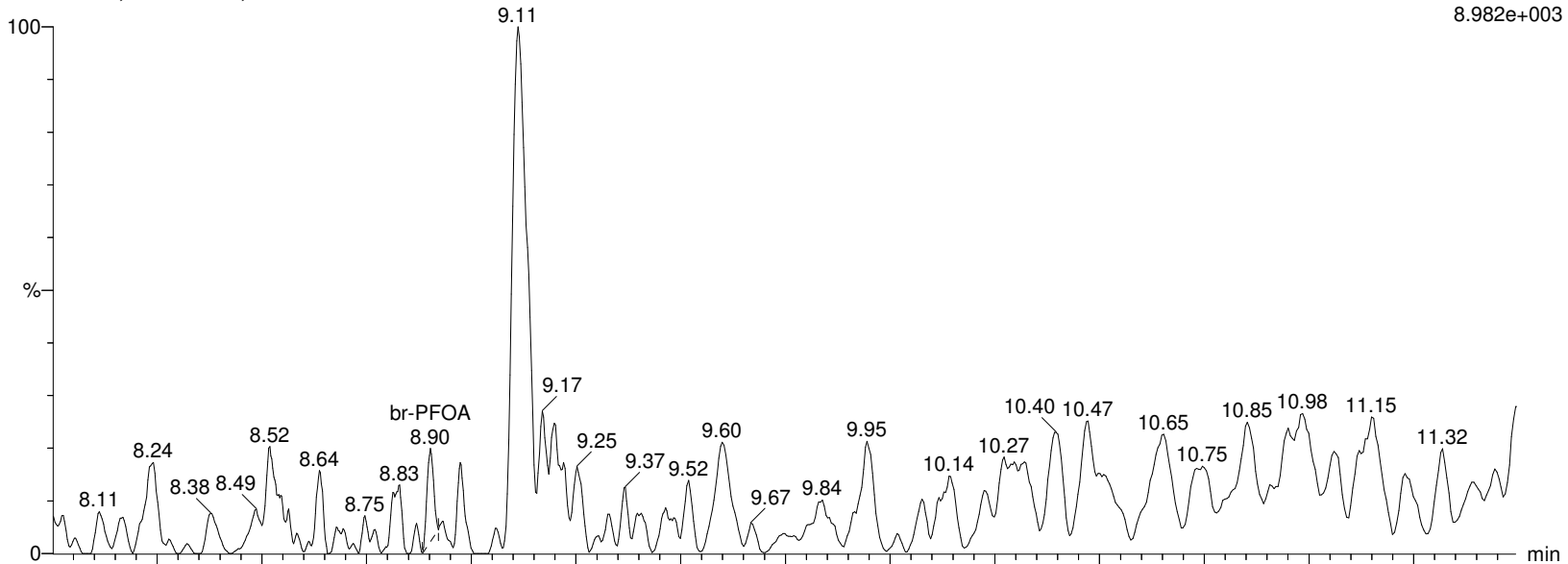
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 368.9

8.982e+003



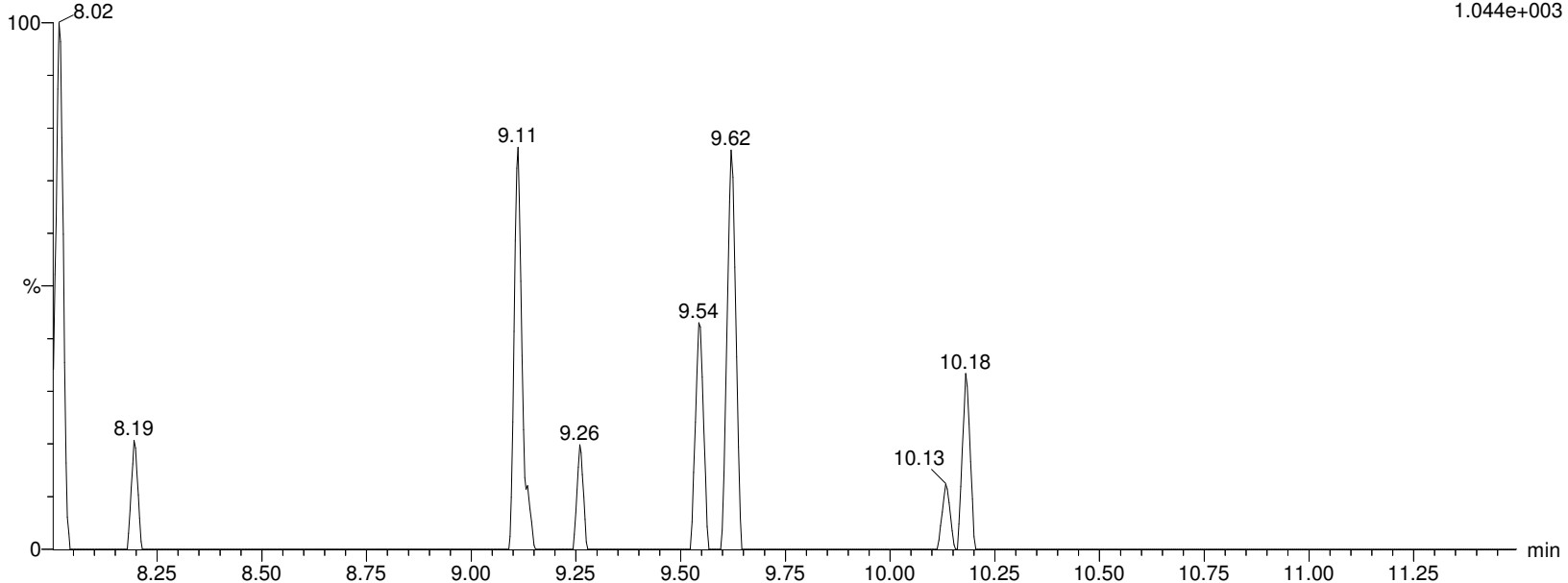
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.044e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

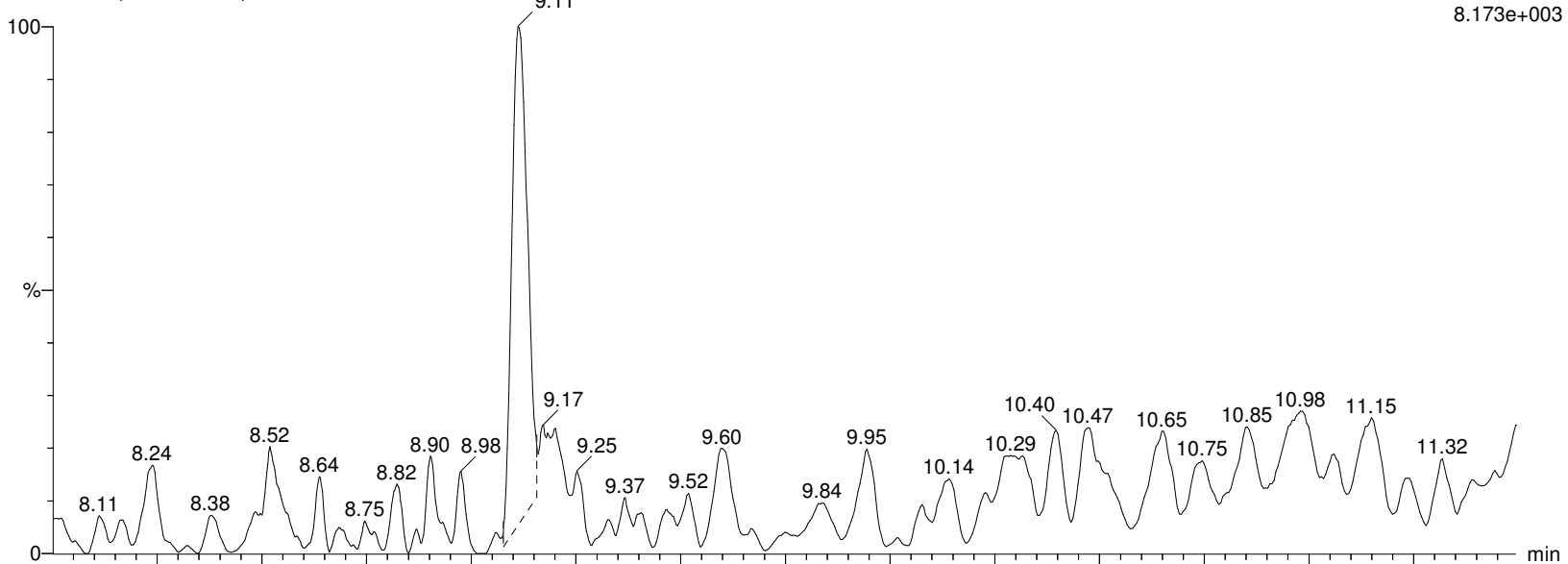
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 368.9

8.173e+003



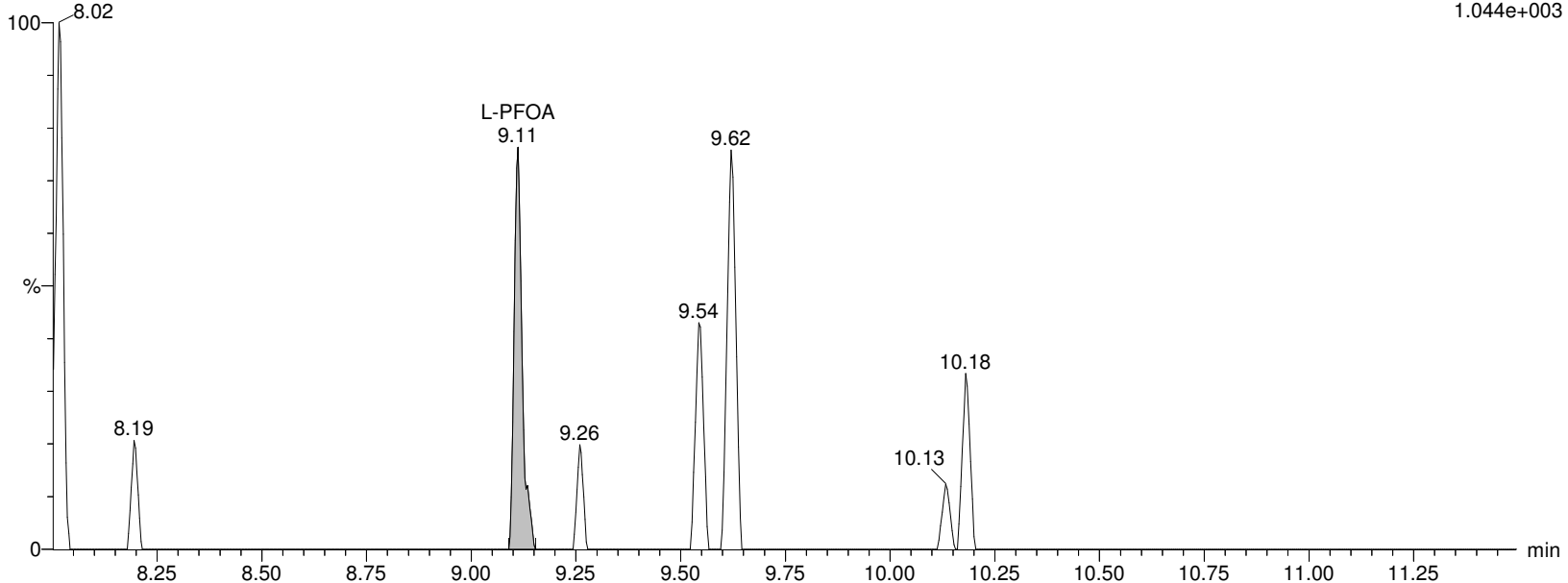
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.044e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

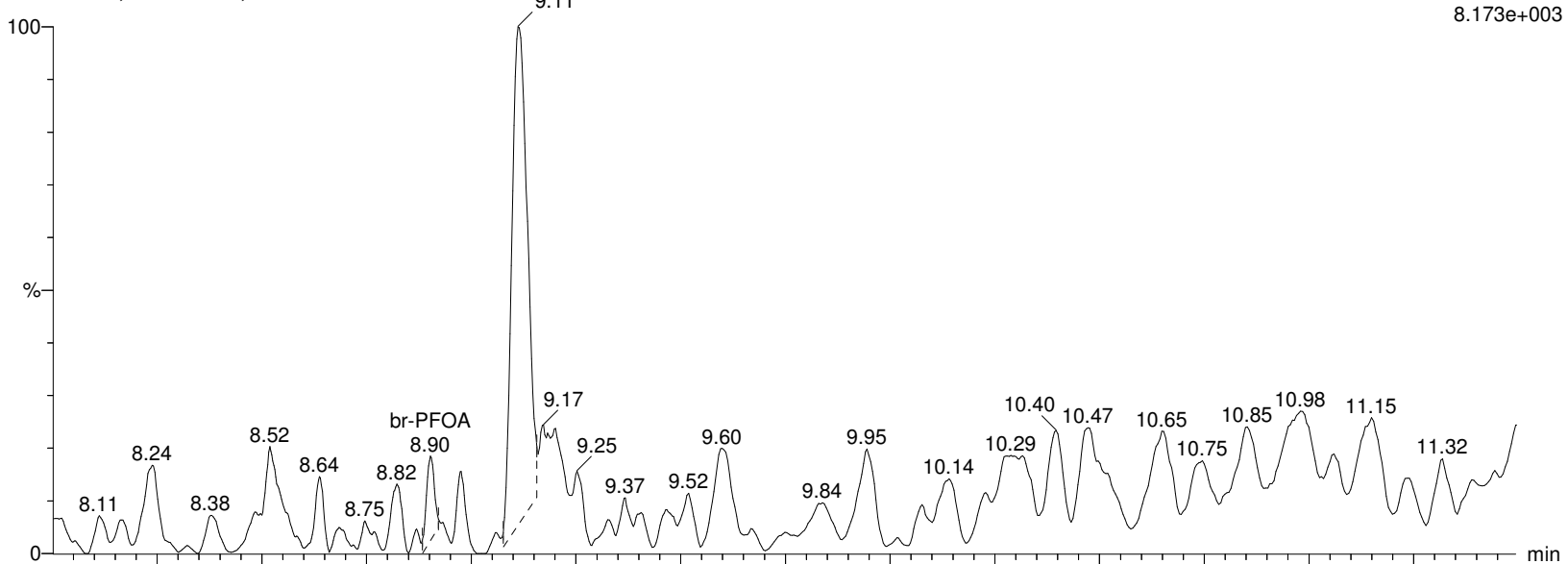
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 368.9

8.173e+003



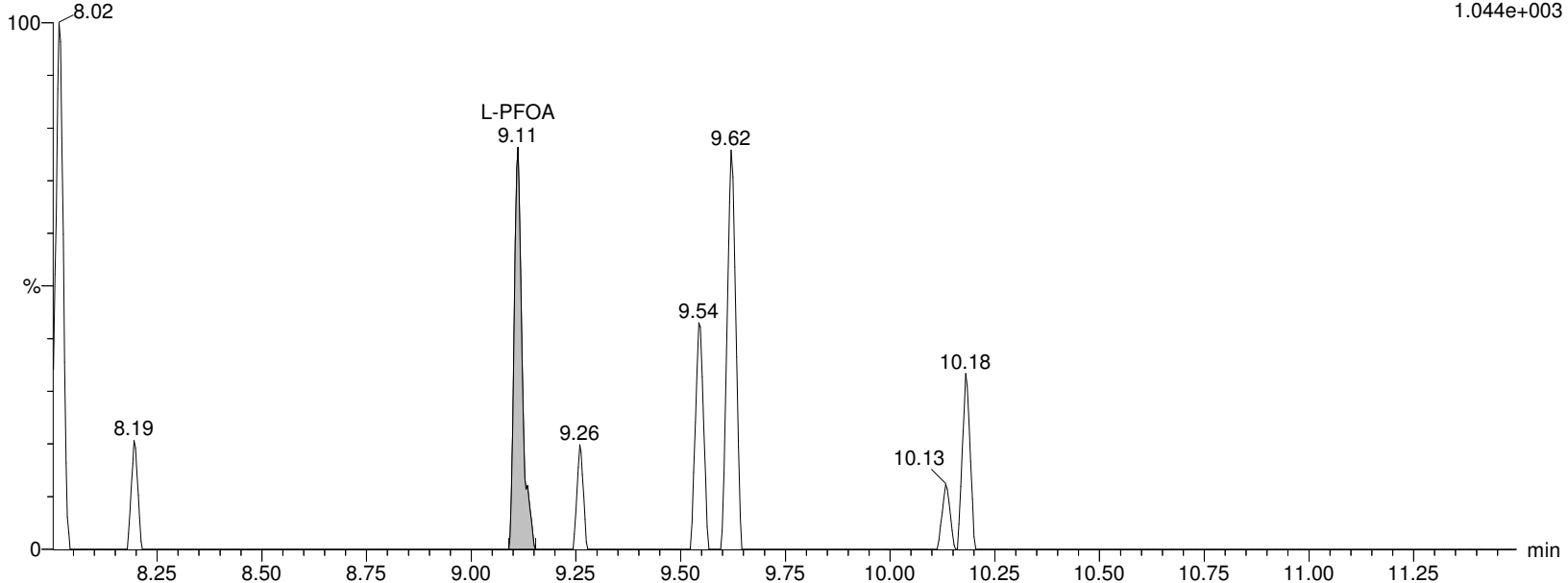
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F20:MRM of 2 channels, ES-

412.989 > 219.08

1.044e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I18675 Smooth(Mn,2x3)

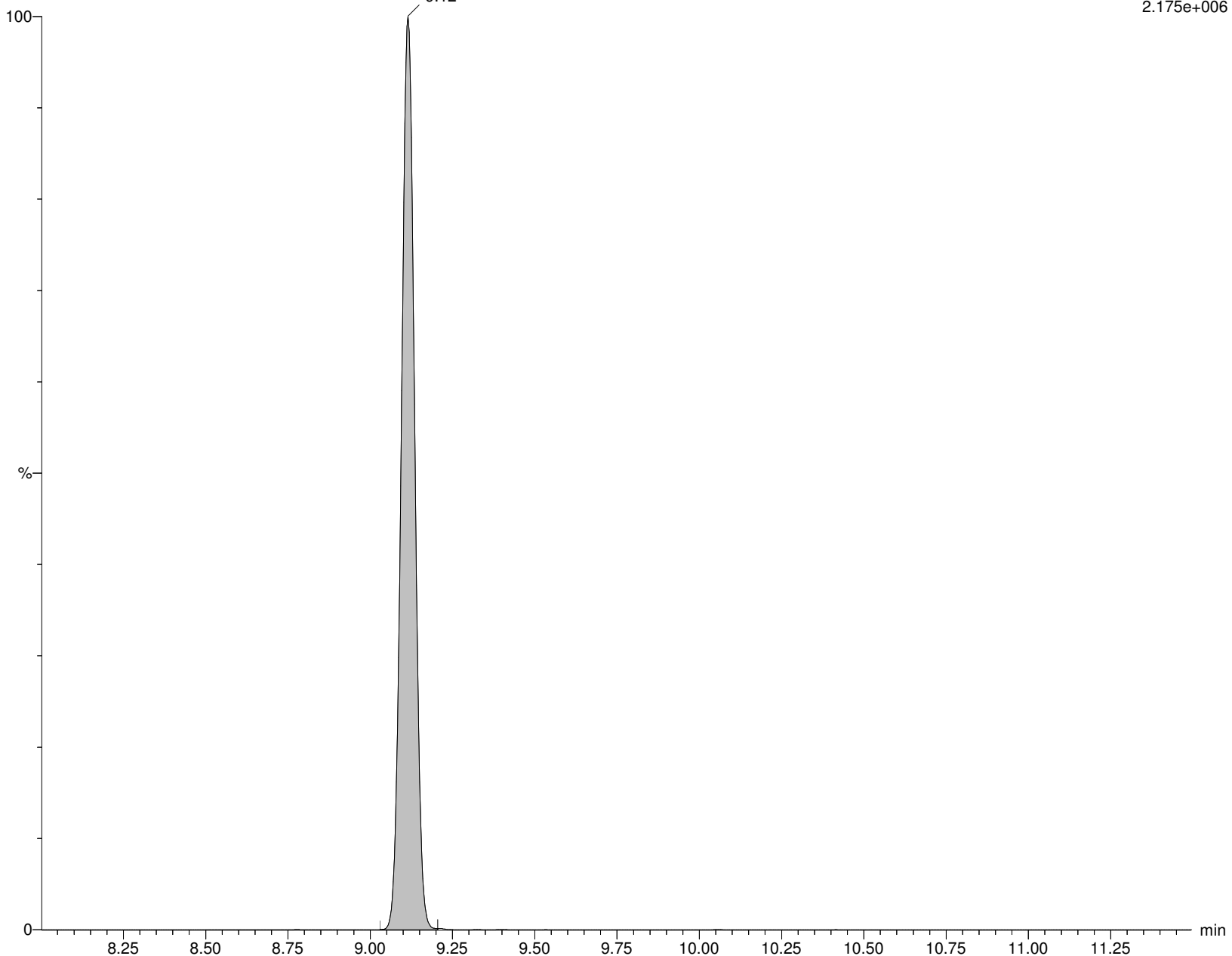
WG1337913, WG1334679, ICAL16305 WG1334679-5

M8PFOA
9.12

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.175e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18675 Smooth(Mn,2x2)

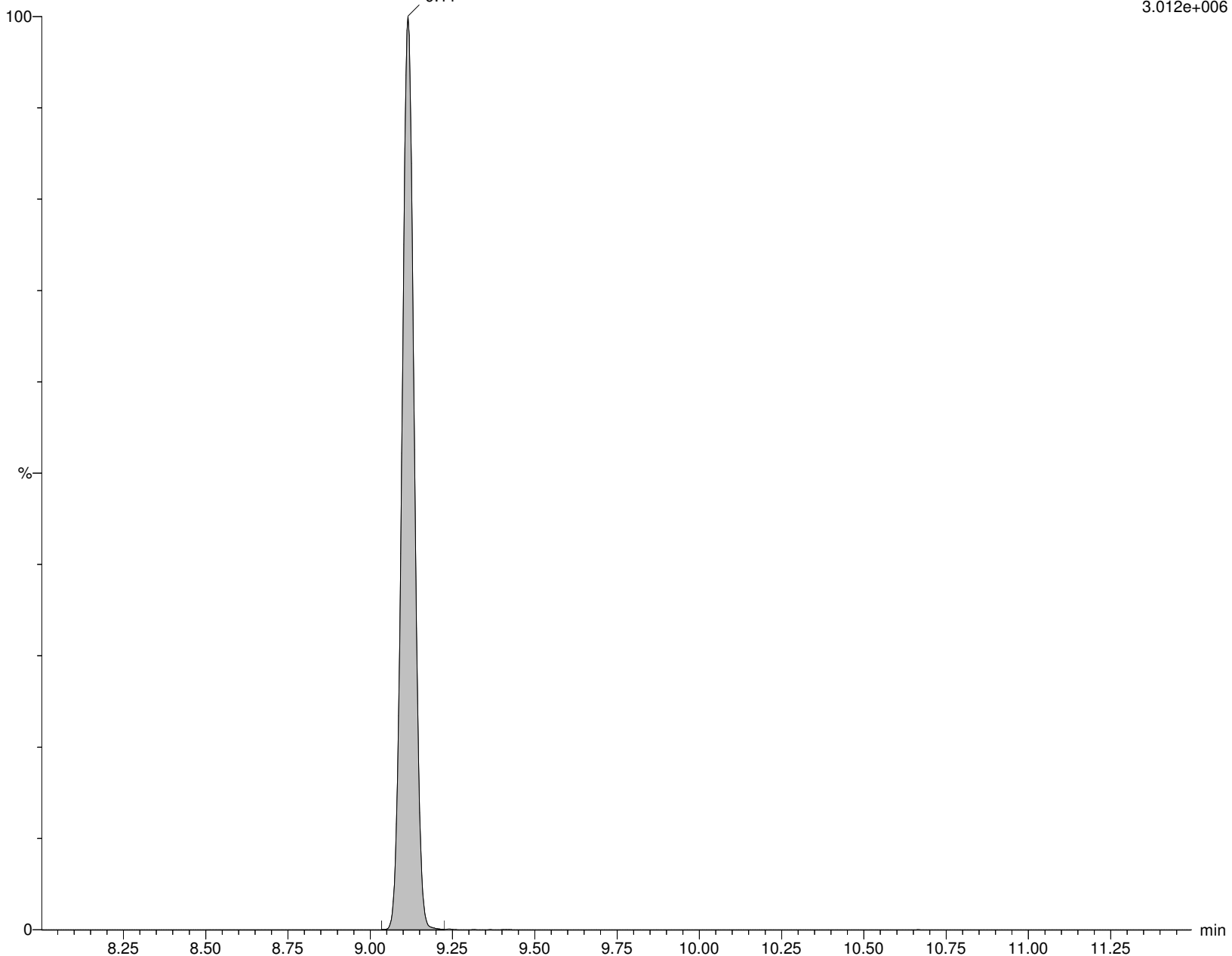
WG1337913, WG1334679, ICAL16305 WG1334679-5

M2PFOA
9.11

F21:MRM of 1 channel, ES-

415.032 > 369.968

3.012e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

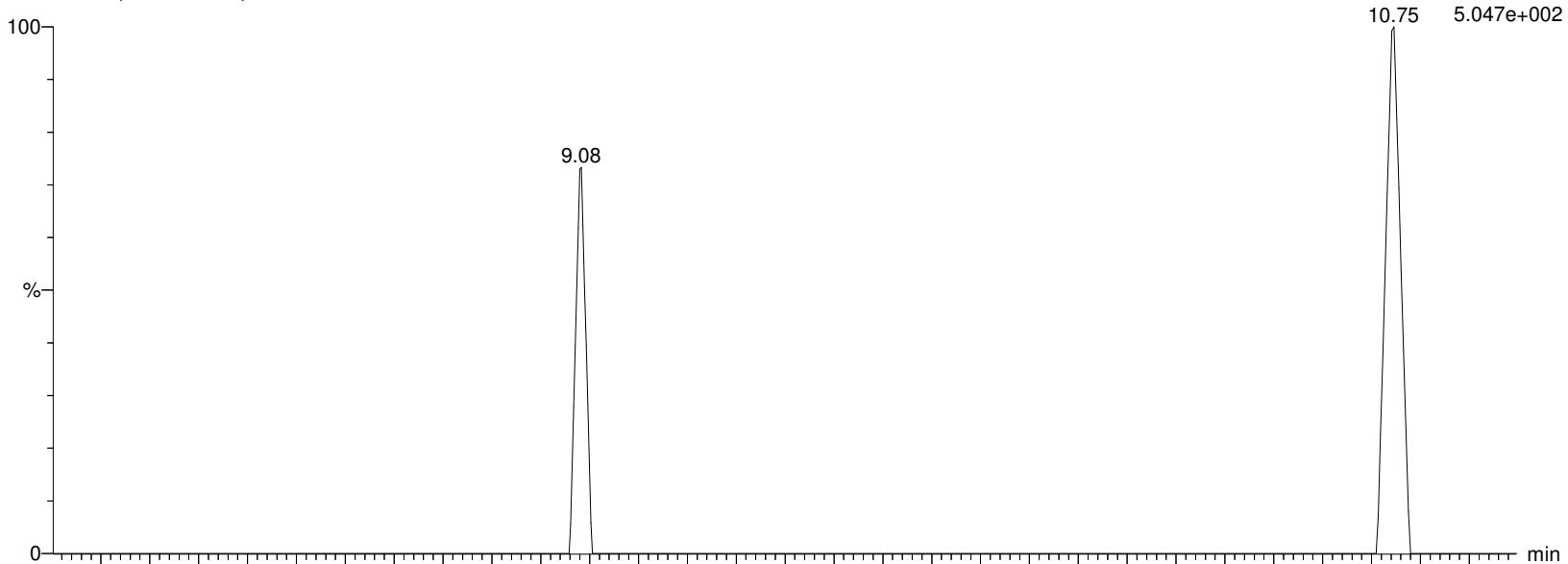
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

6:2FTS

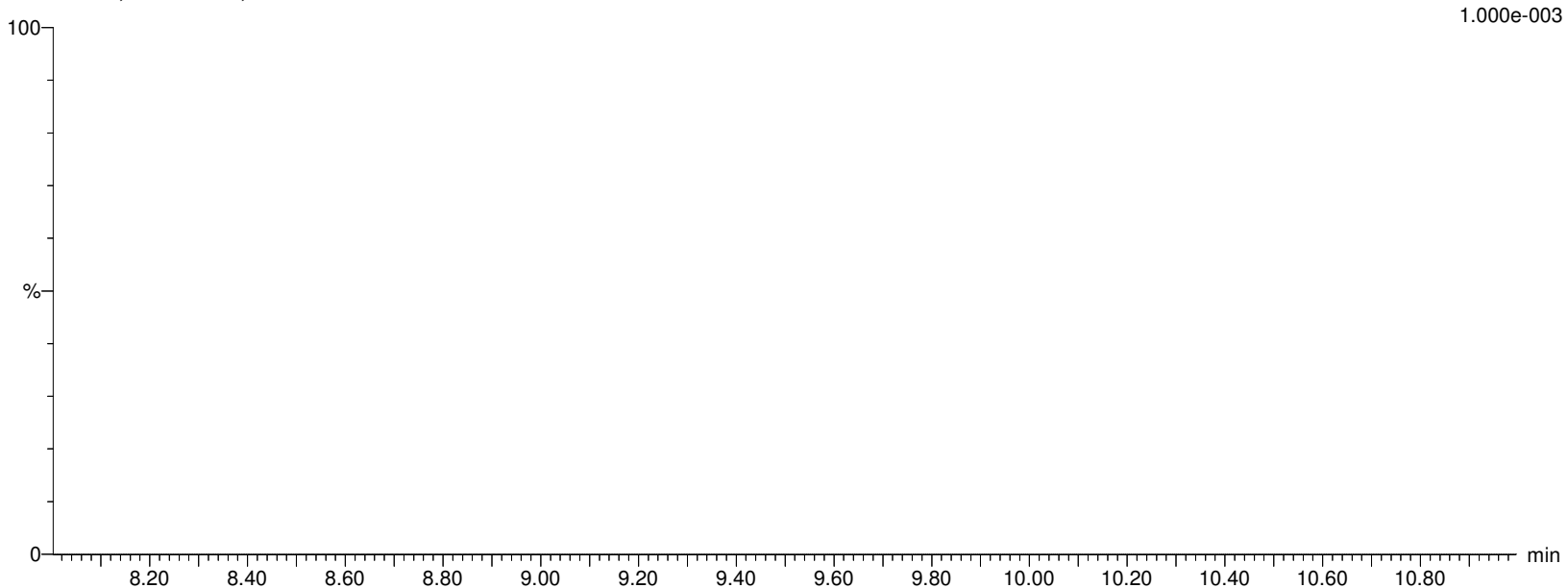
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5



I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I18675 Smooth(Mn,2x3)

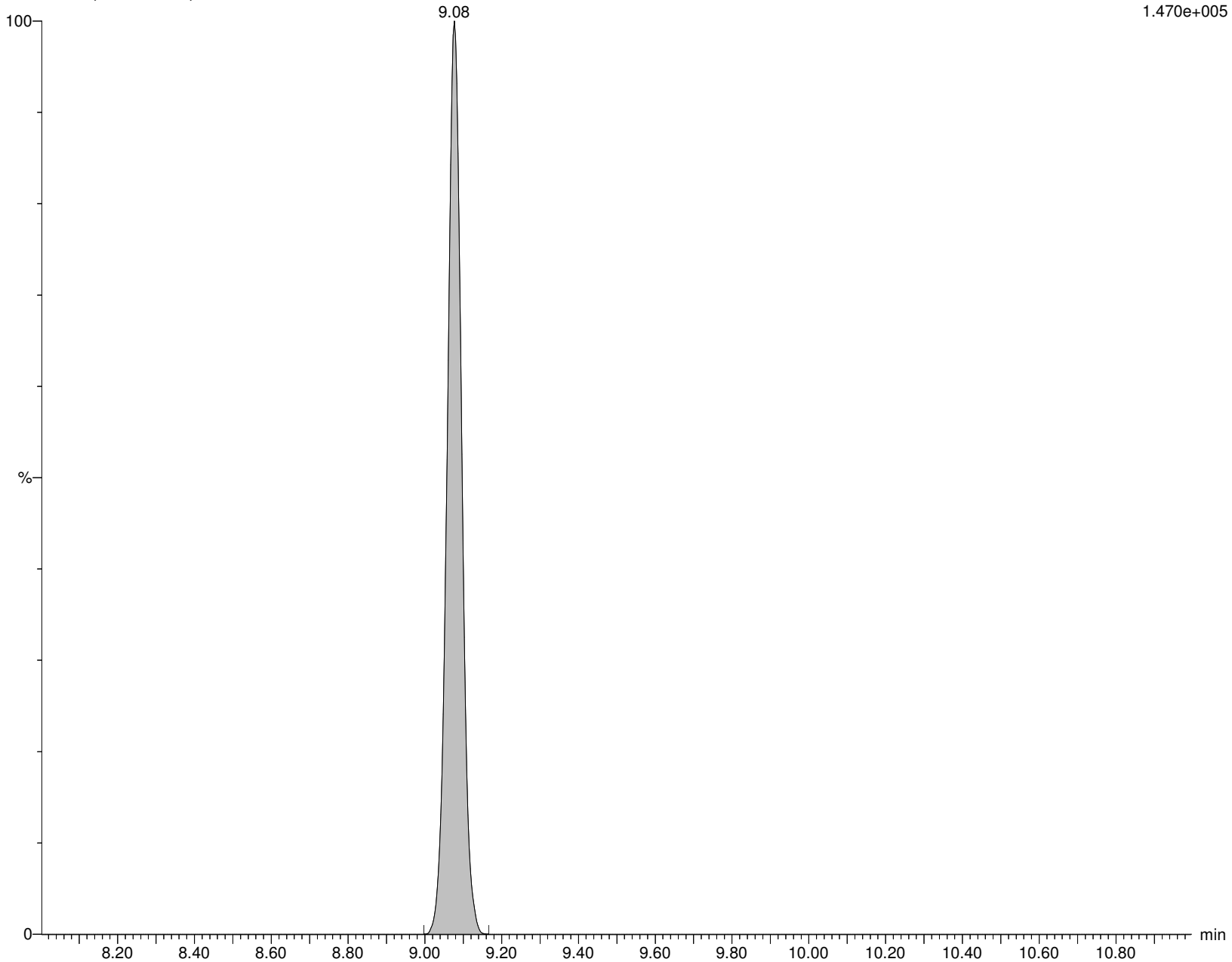
WG1337913, WG1334679, ICAL16305 WG1334679-5

M2-6:2FTS

F24:MRM of 1 channel, ES-

428.989 > 408.917

1.470e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.000e-003



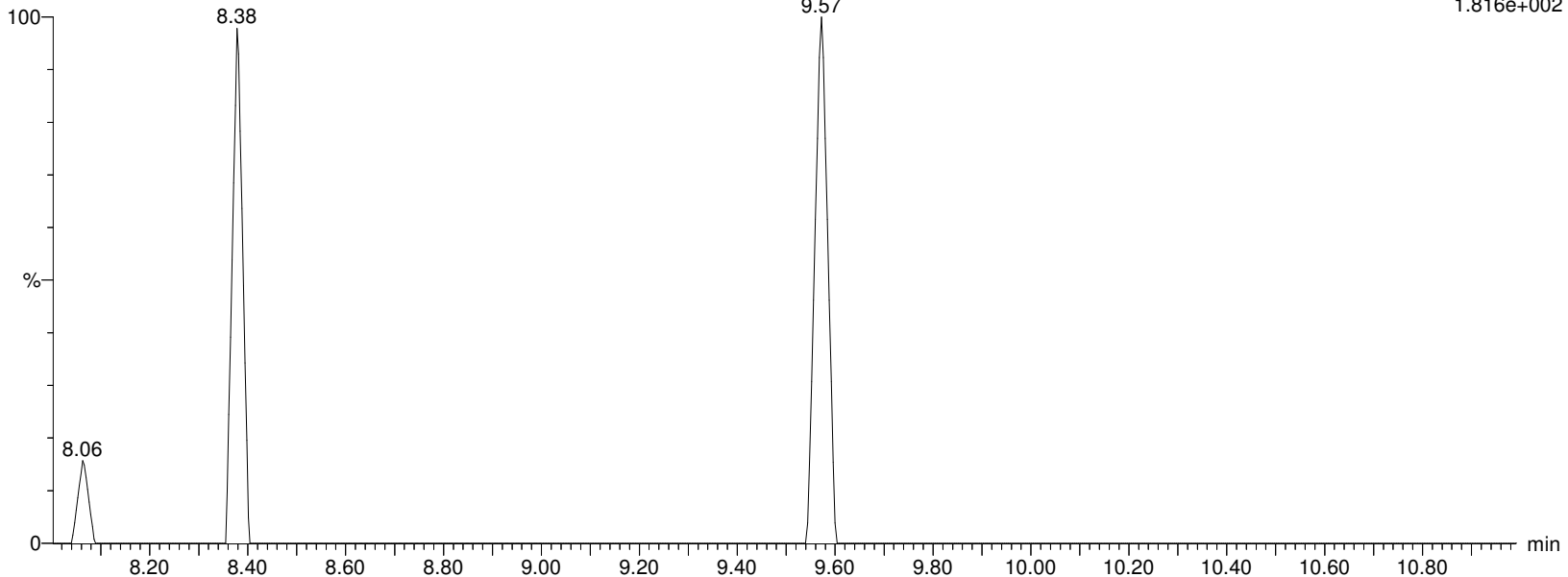
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F25:MRM of 2 channels, ES-

448.926 > 99.22

1.816e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

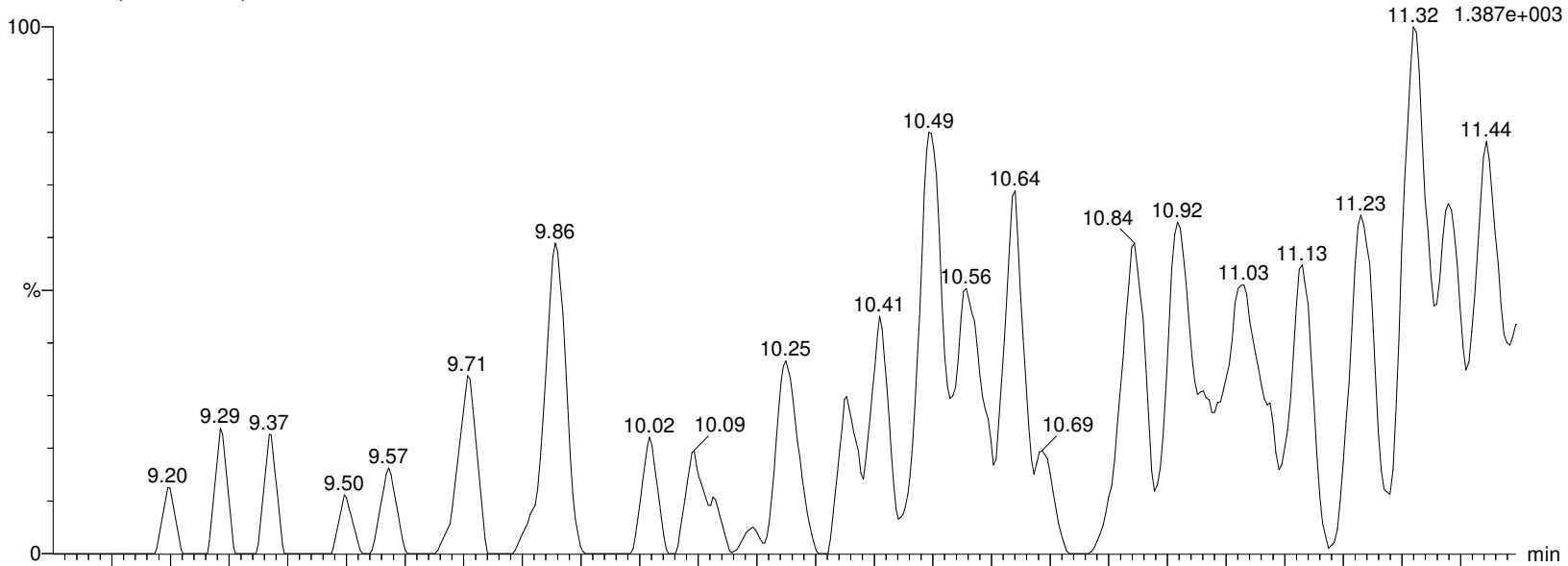
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFNA

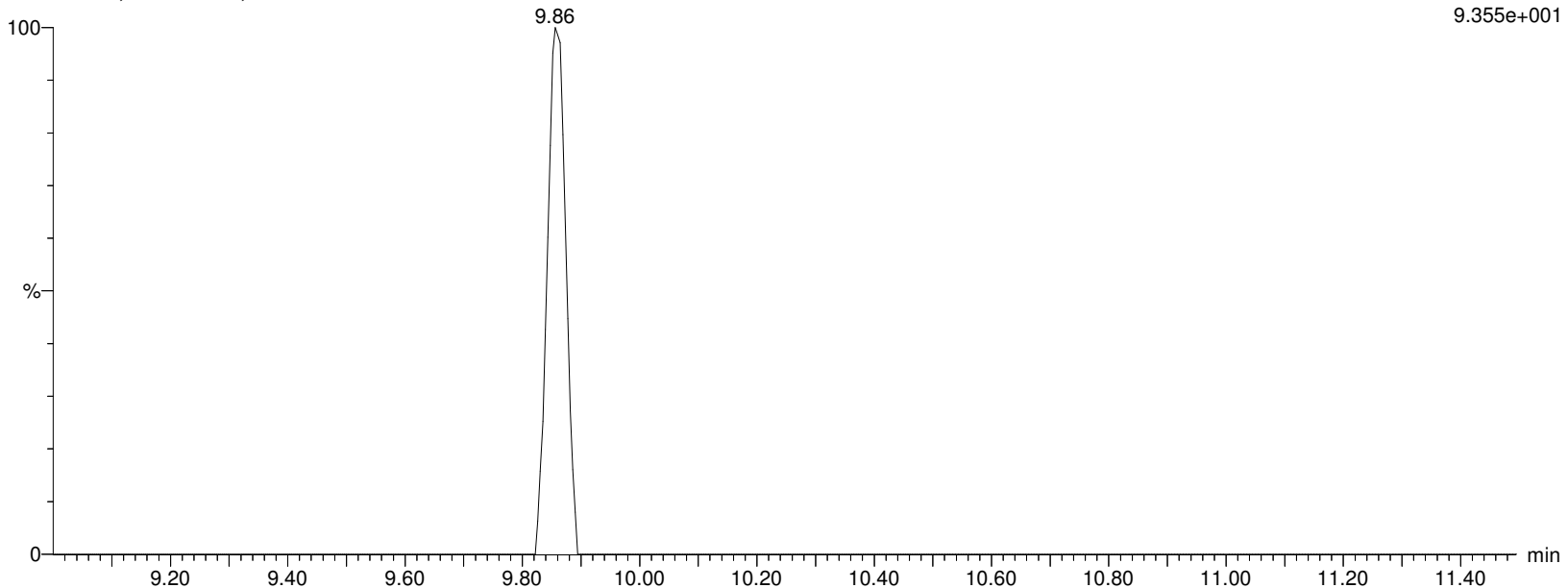
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5



I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

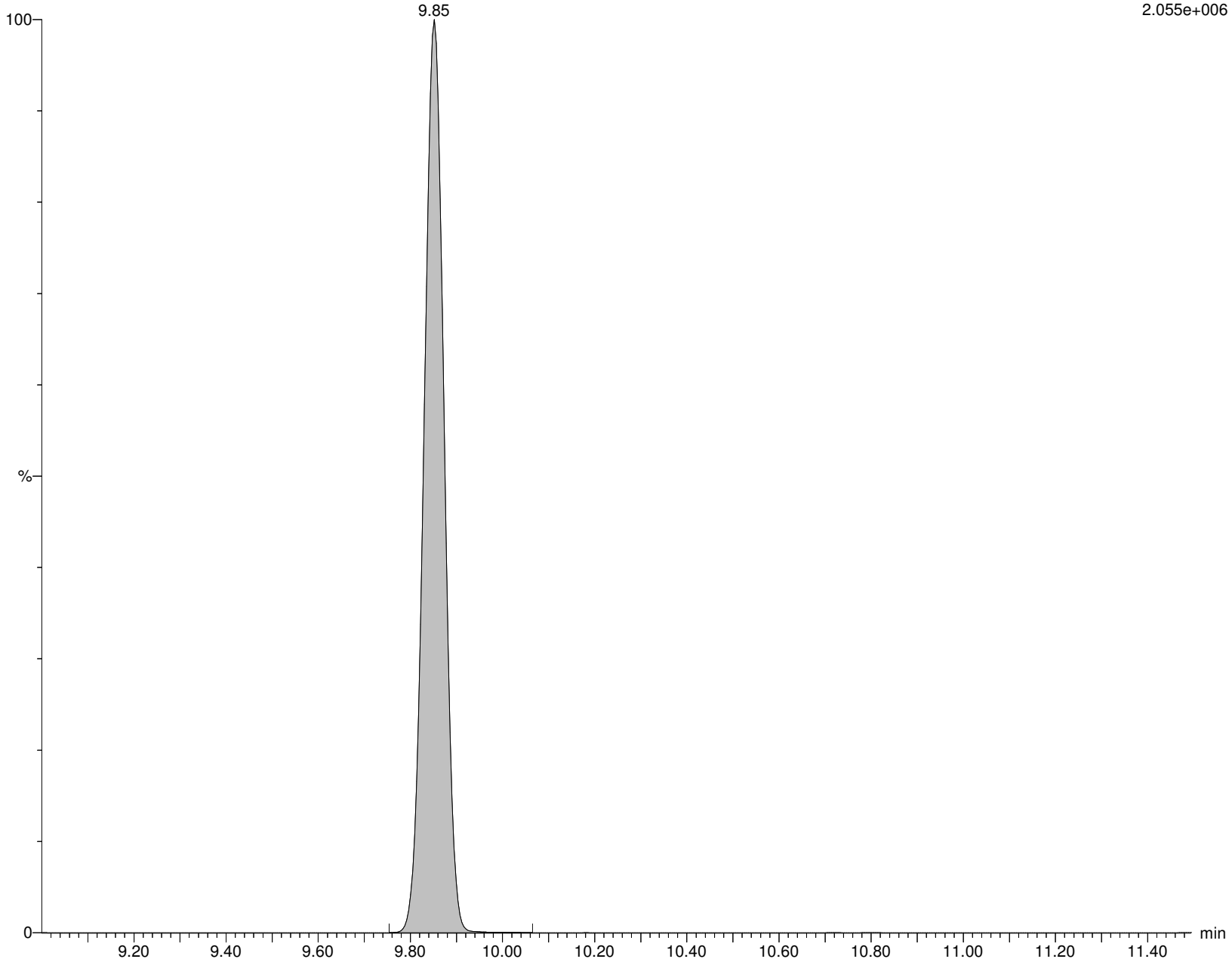
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5 M9PFNA

F27:MRM of 1 channel, ES-

472.053 > 426.947

2.055e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

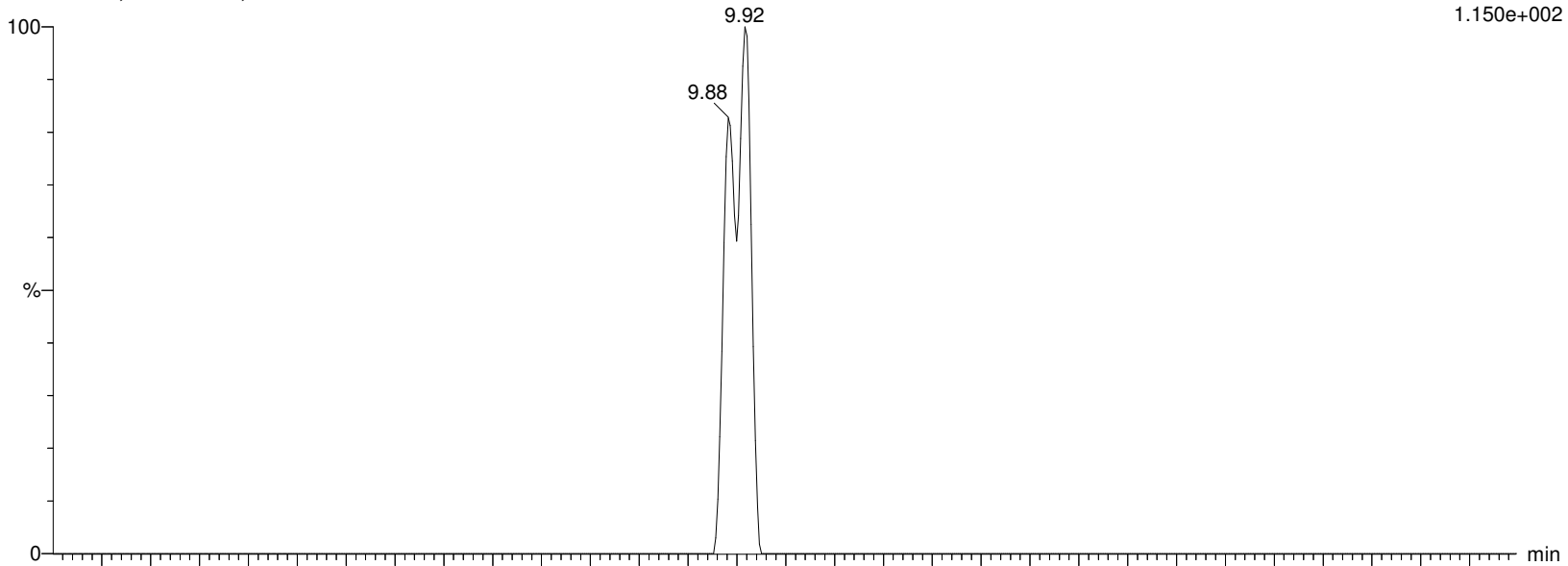
I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.150e+002



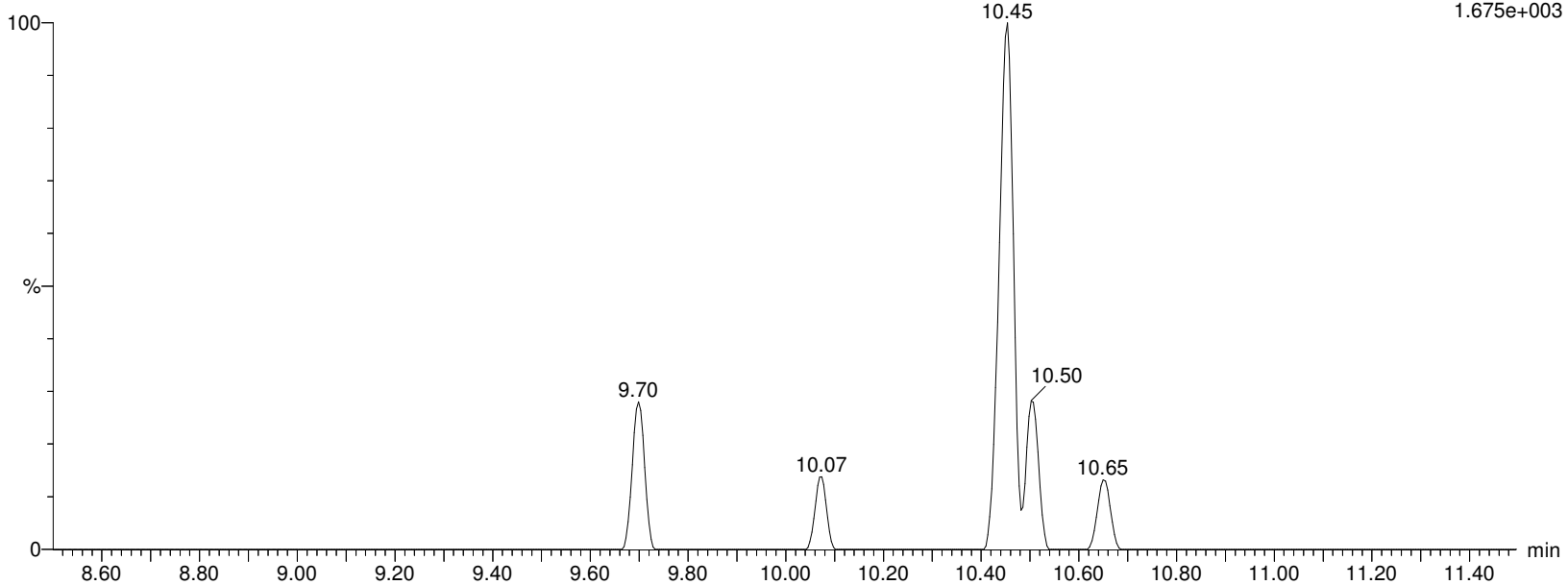
I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 99.27

1.675e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****L-PFOS**

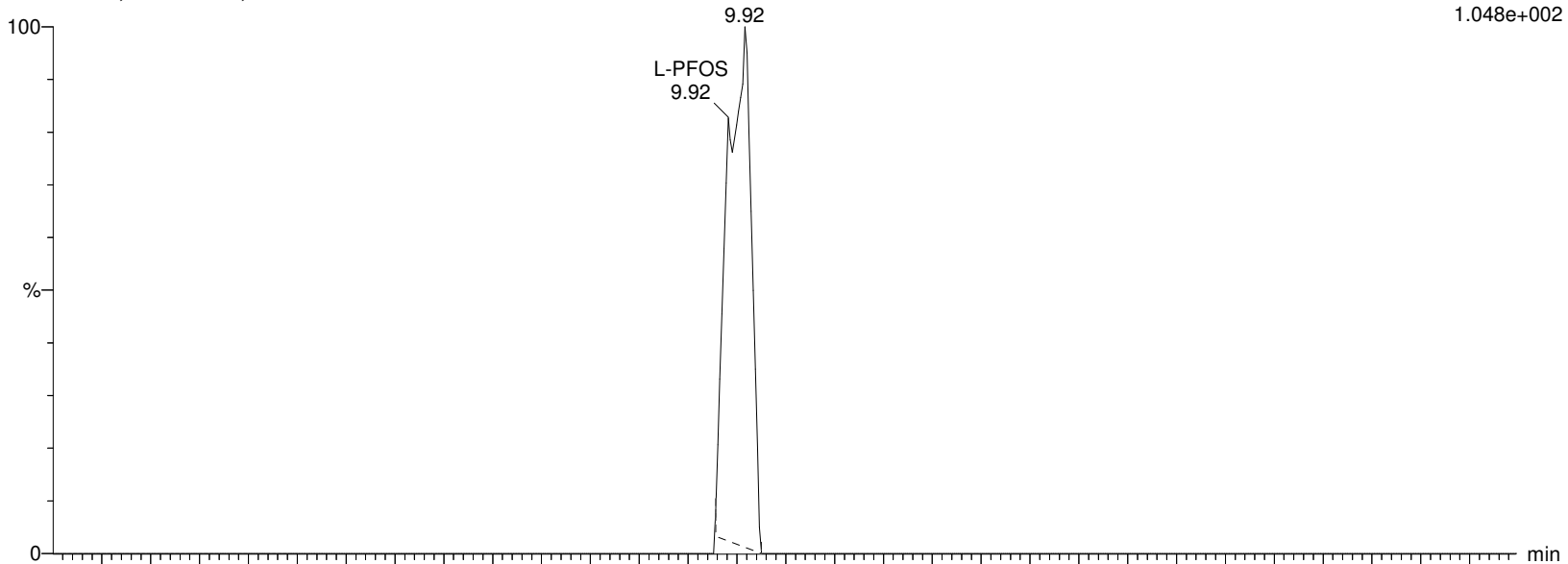
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.048e+002



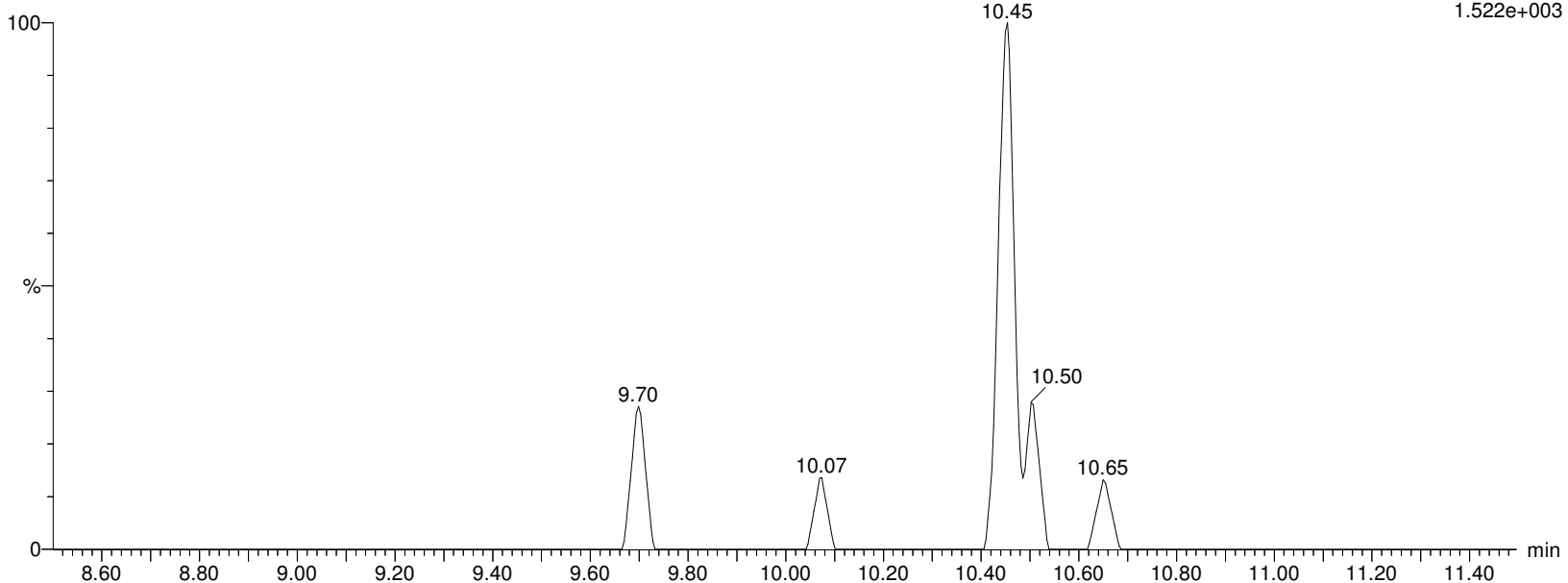
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 99.27

1.522e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

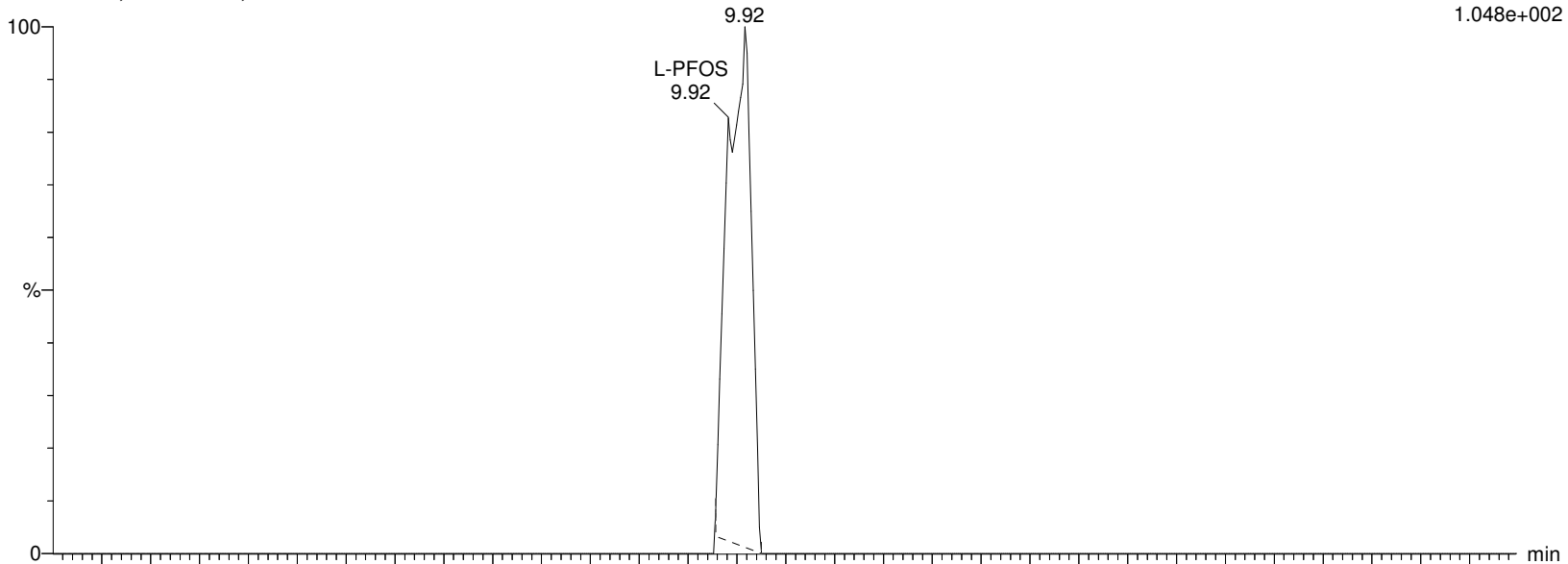
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.048e+002



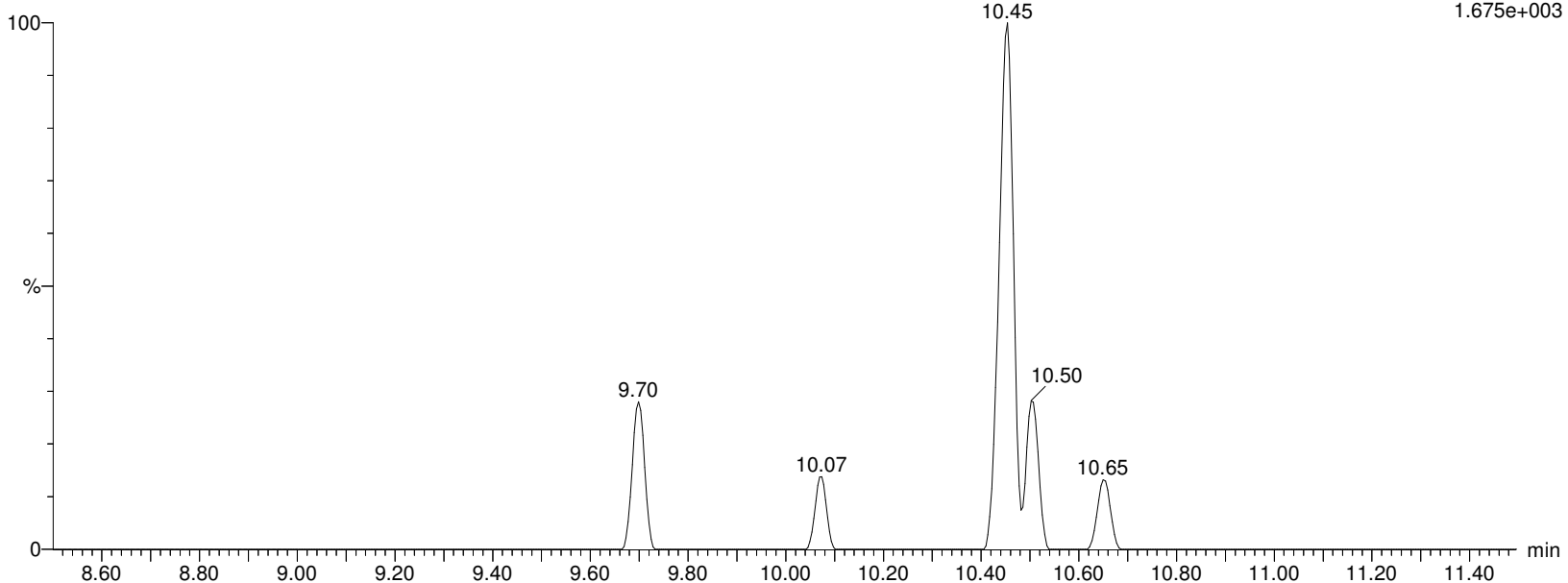
I18675 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F29:MRM of 2 channels, ES-

498.989 > 99.27

1.675e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

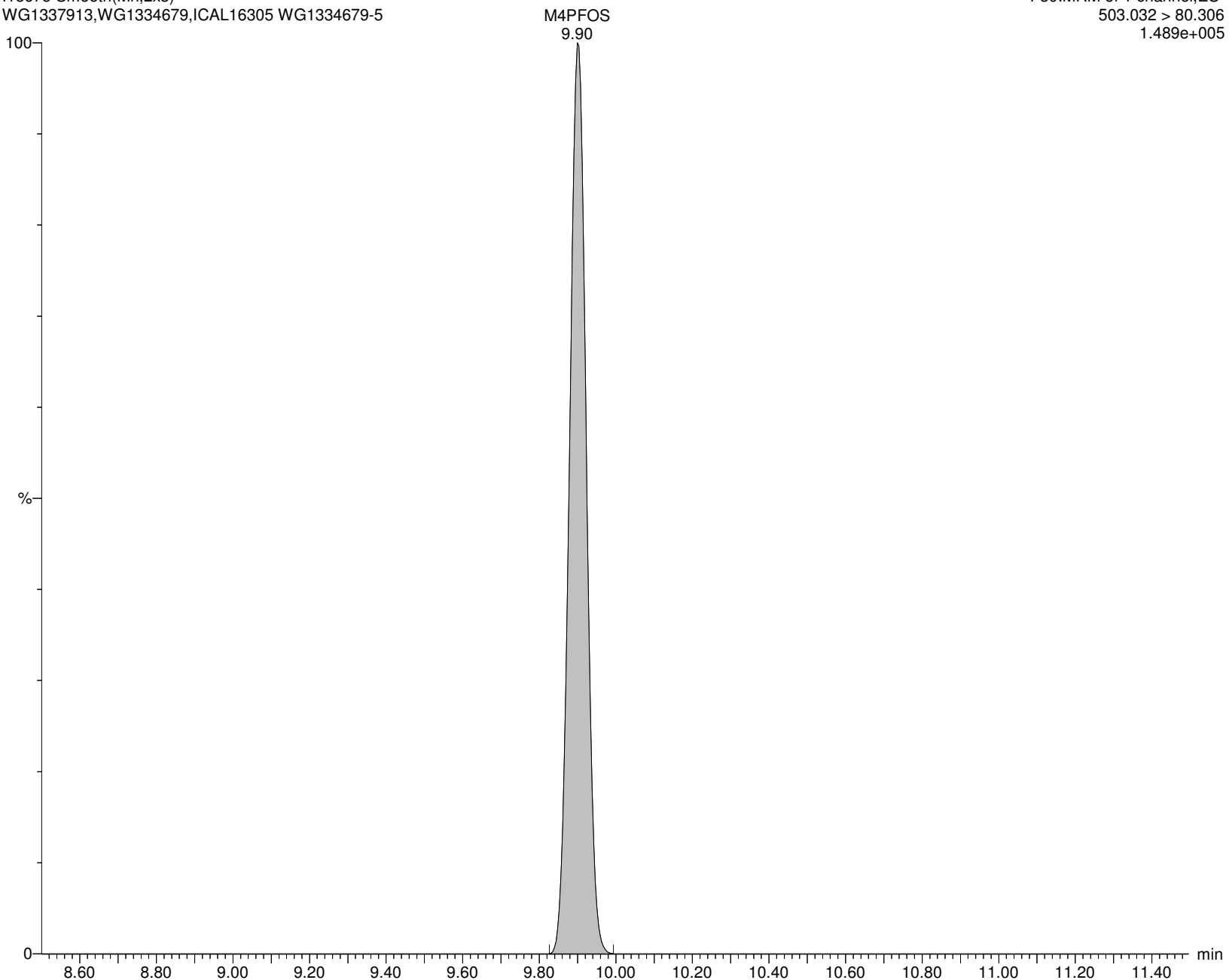
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.489e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

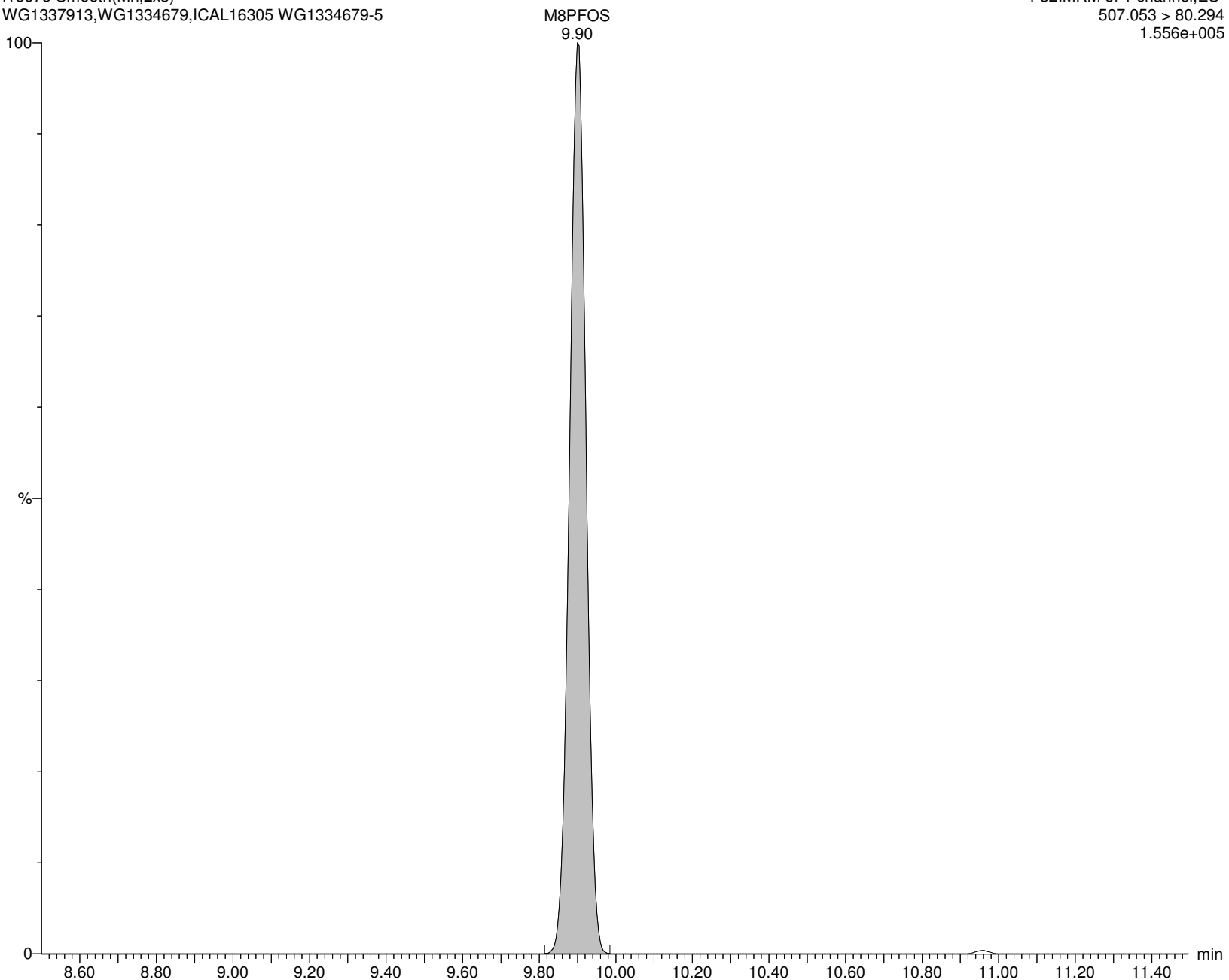
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.556e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

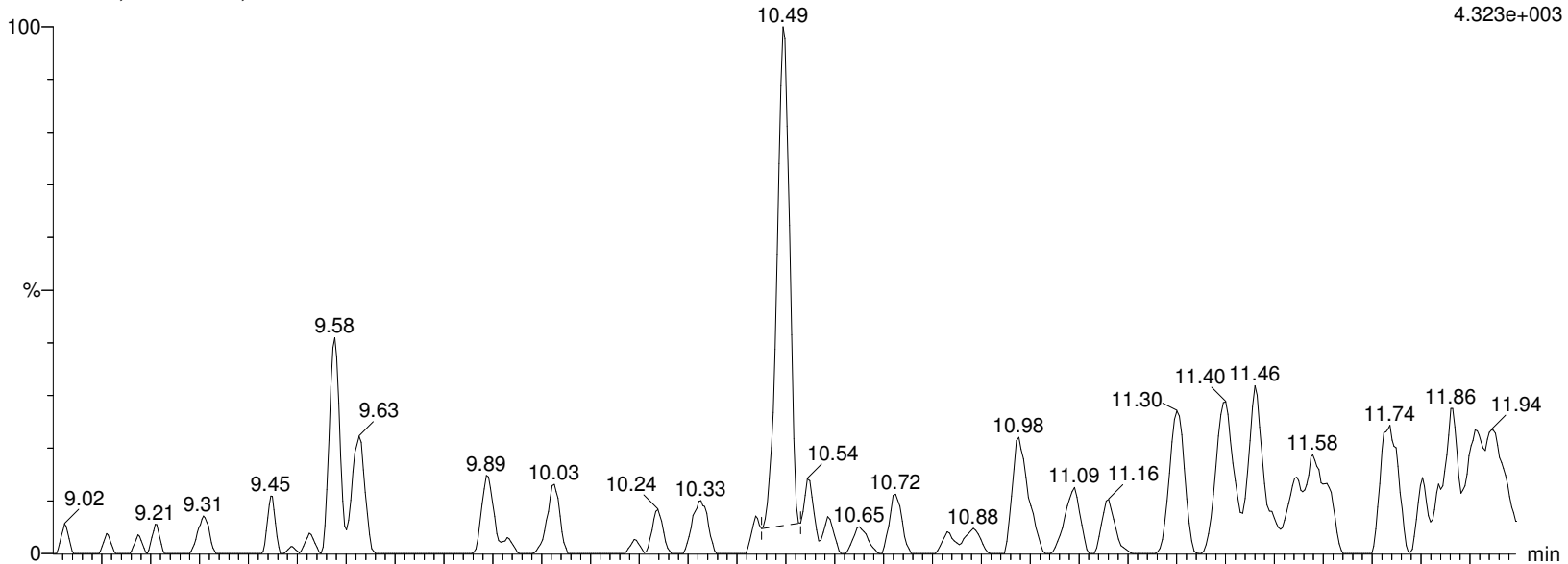
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F34:MRM of 2 channels, ES-

513.053 > 468.906

4.323e+003



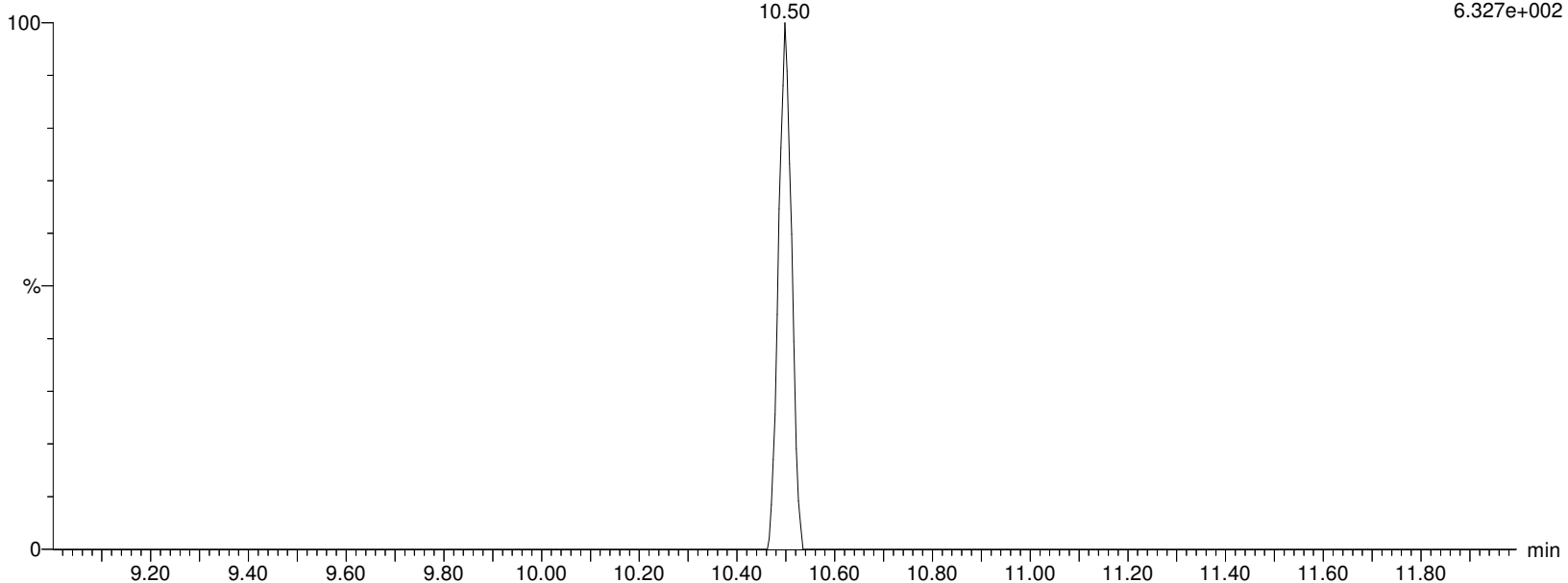
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F34:MRM of 2 channels, ES-

513.053 > 219.08

6.327e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

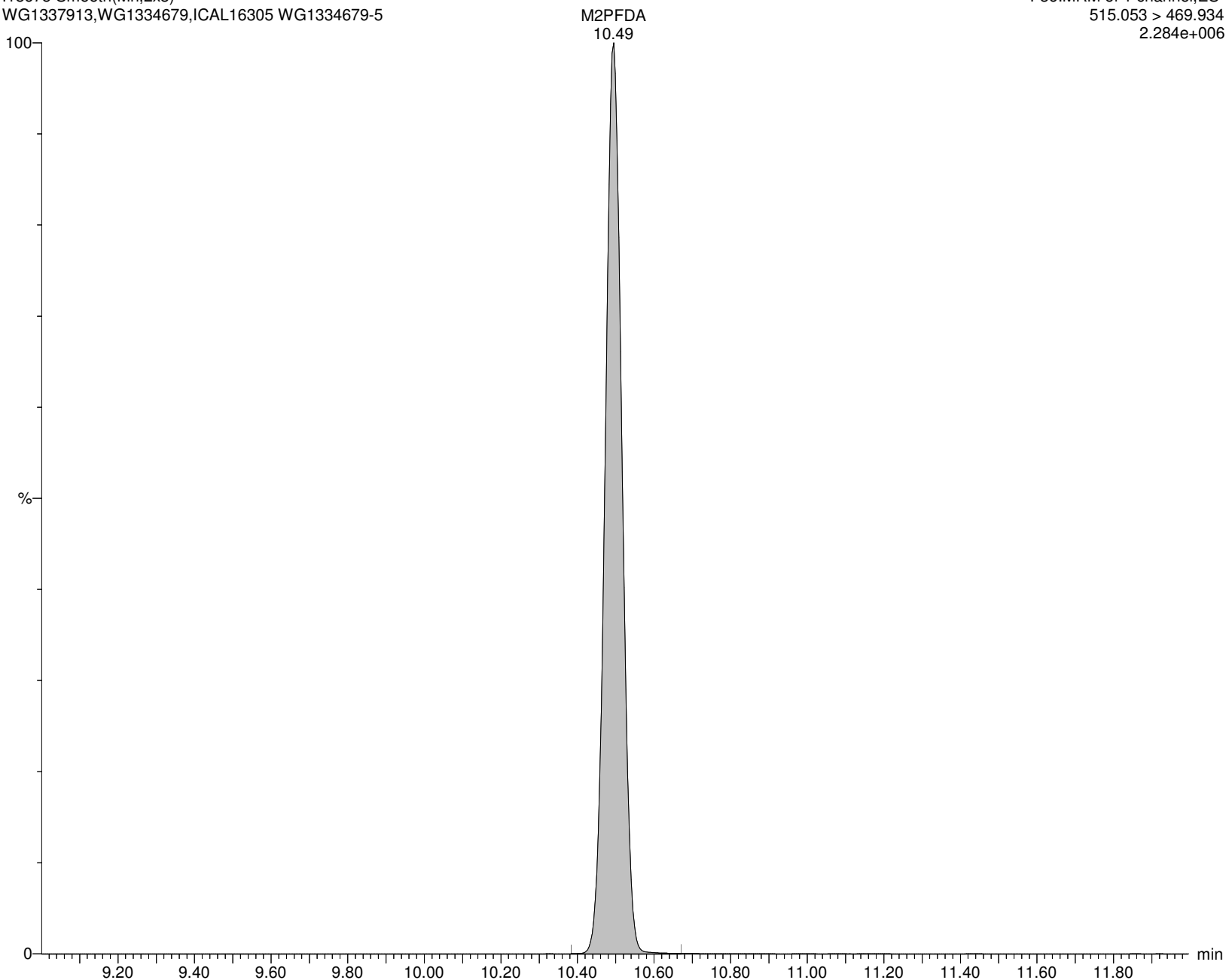
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F36:MRM of 1 channel, ES-

515.053 > 469.934

2.284e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

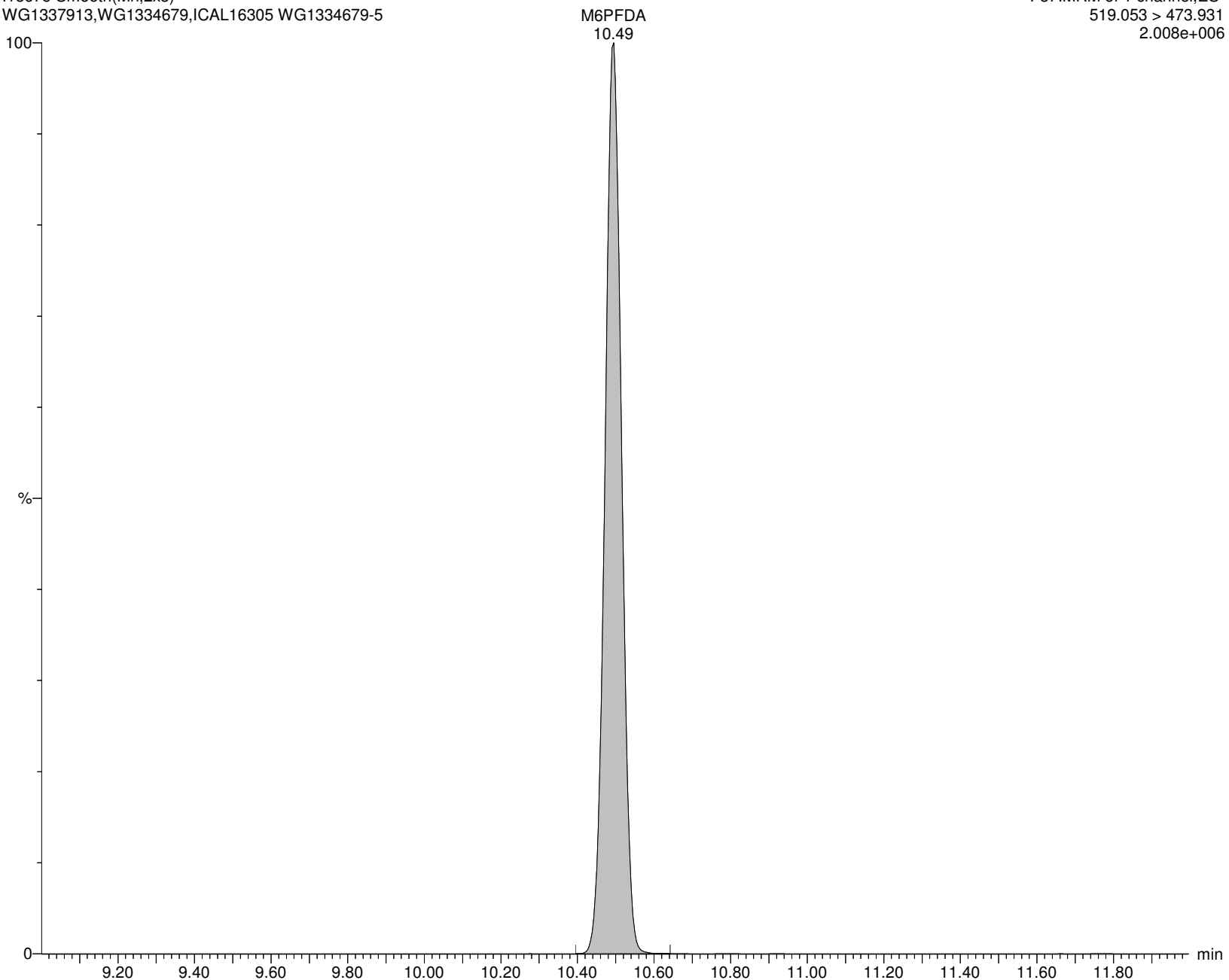
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.008e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F39:MRM of 2 channels, ES-

526.926 > 506.818

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

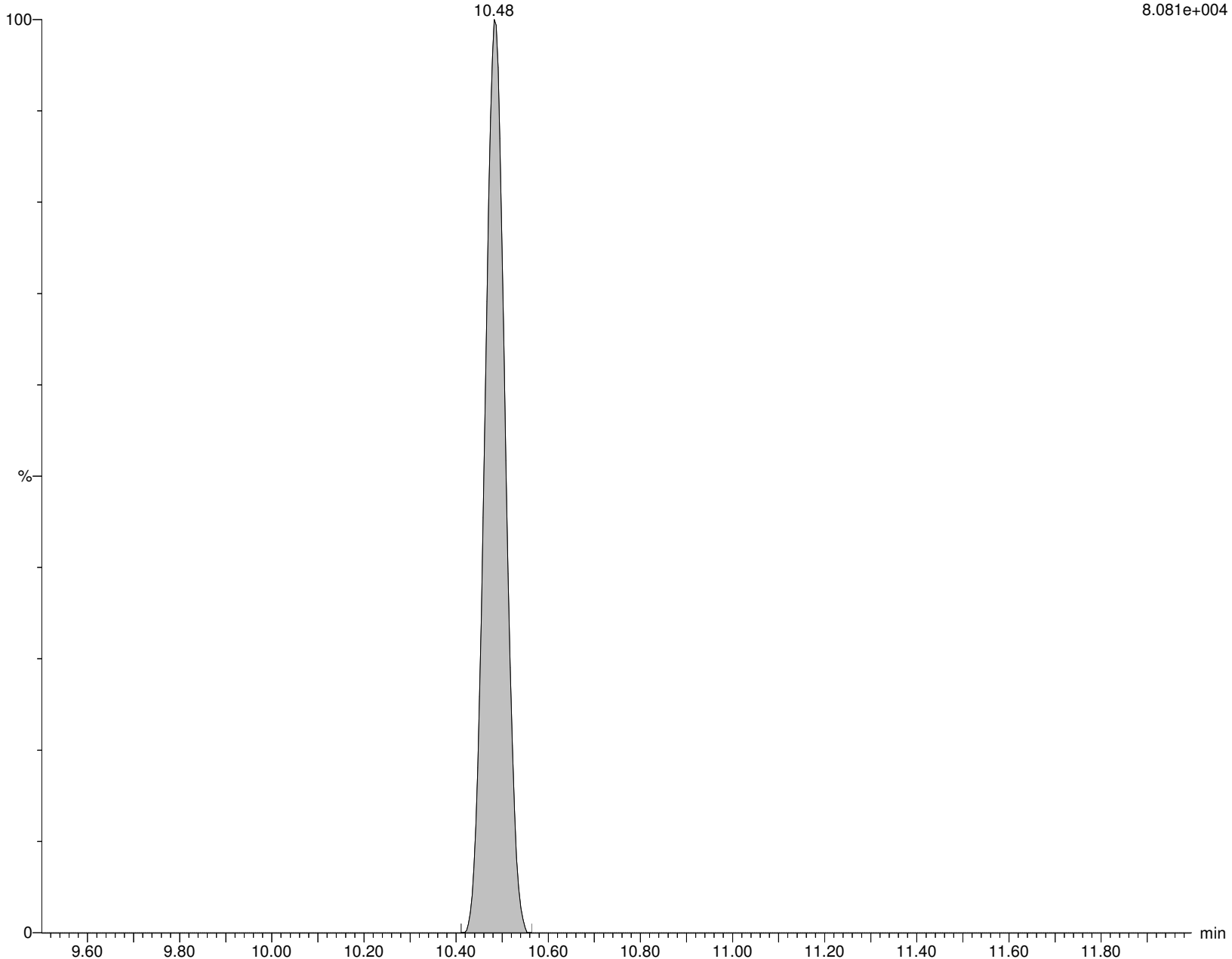
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F40:MRM of 2 channels, ES-

529.053 > 508.945

8.081e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

I18675 Smooth(Mn,2x2)

F43:MRM of 2 channels, ES-

WG1337913, WG1334679, ICAL16305 WG1334679-5

548.989 > 80.249

1.000e-003



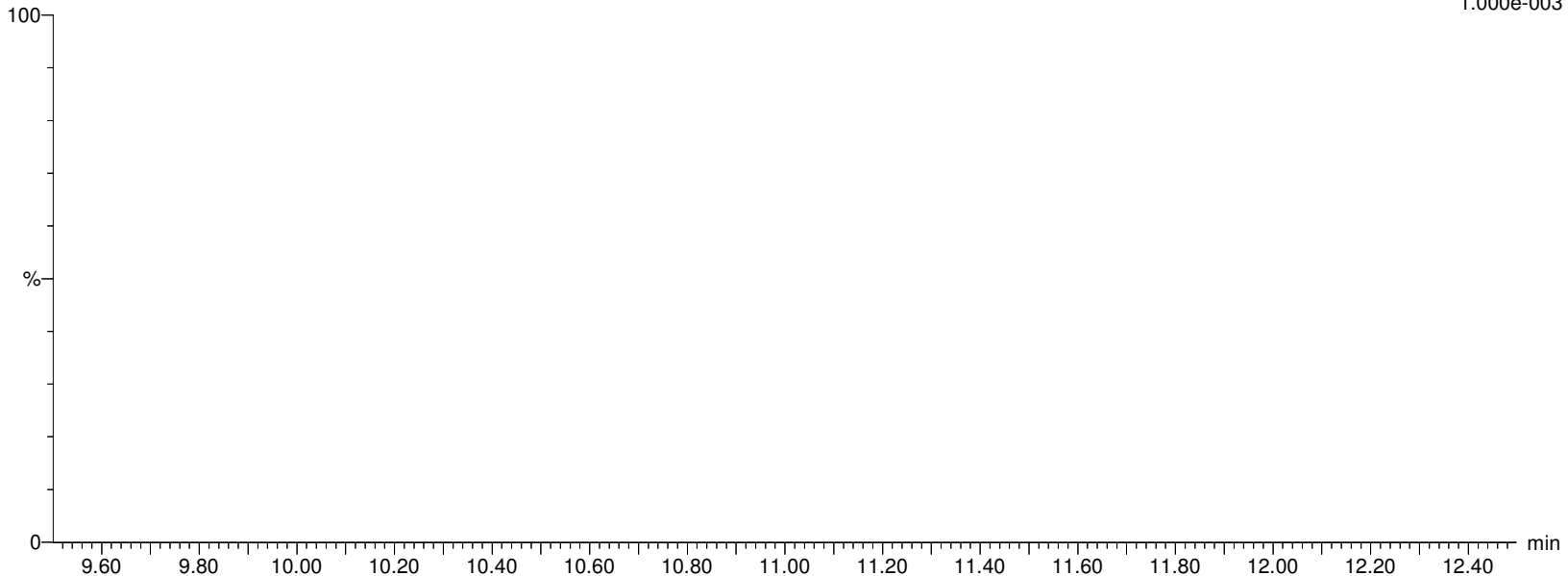
I18675 Smooth(Mn,2x2)

F43:MRM of 2 channels, ES-

WG1337913, WG1334679, ICAL16305 WG1334679-5

548.989 > 99.22

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

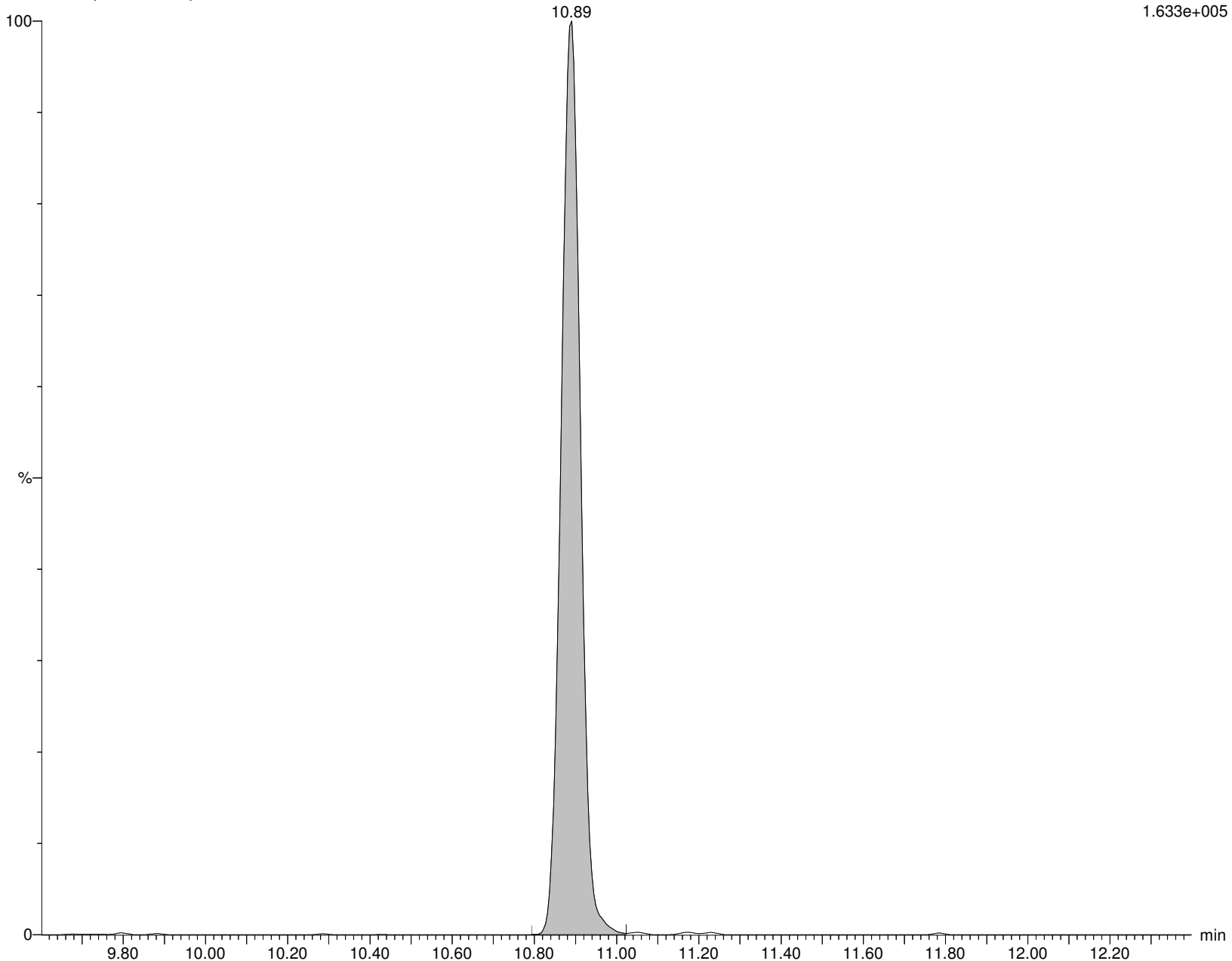
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F47:MRM of 1 channel, ES-

573.096 > 418.987

1.633e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-NMeFOSAA**

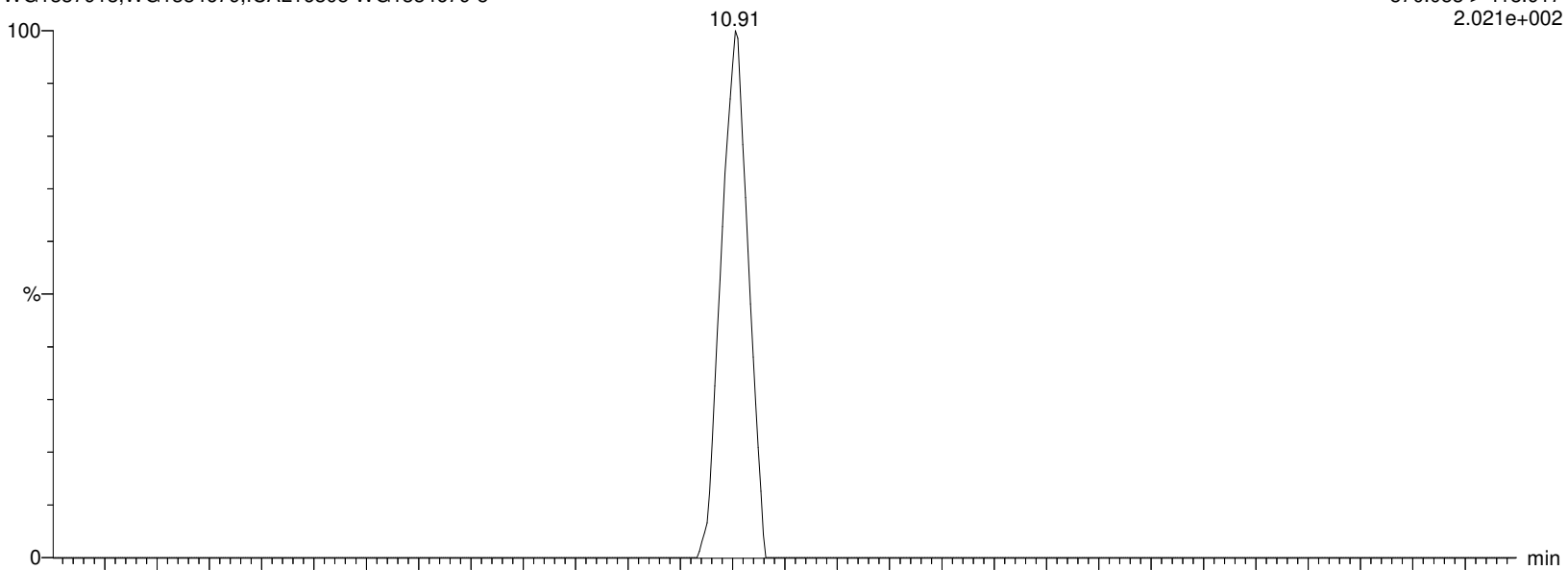
I18675 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.021e+002



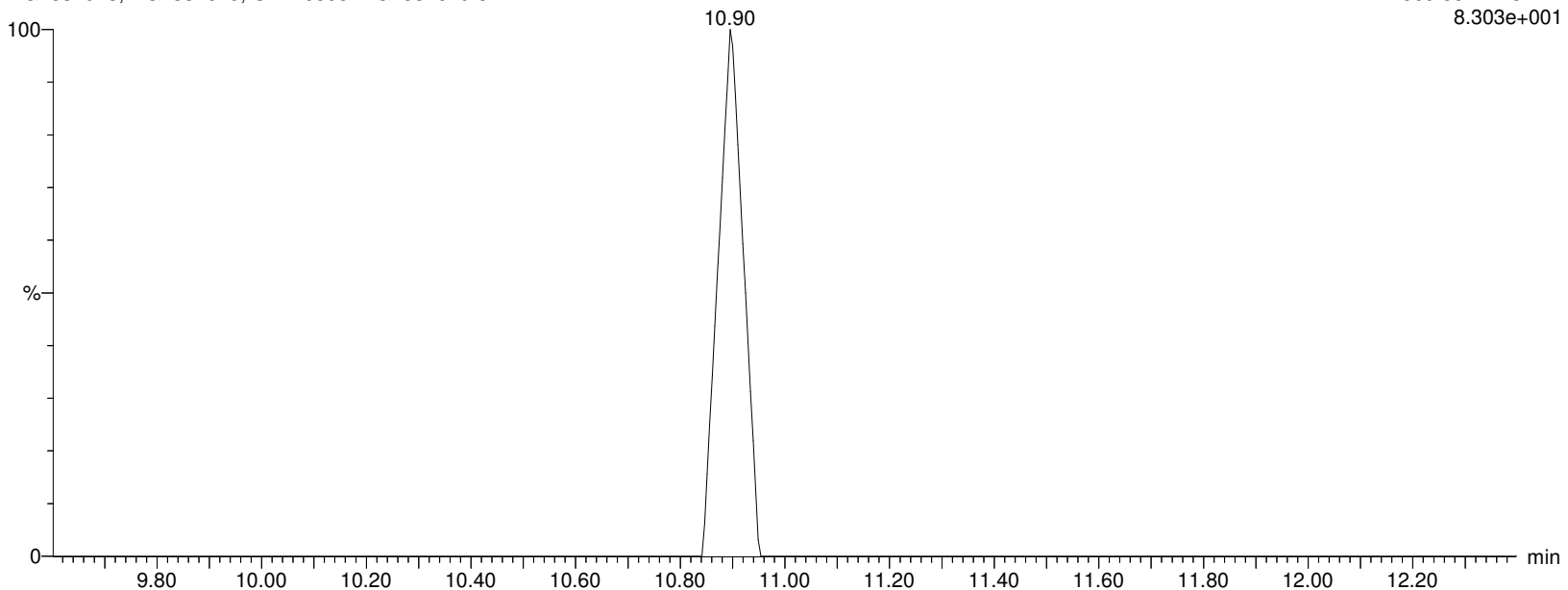
I18675 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.303e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****L-NMeFOSAA**

I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

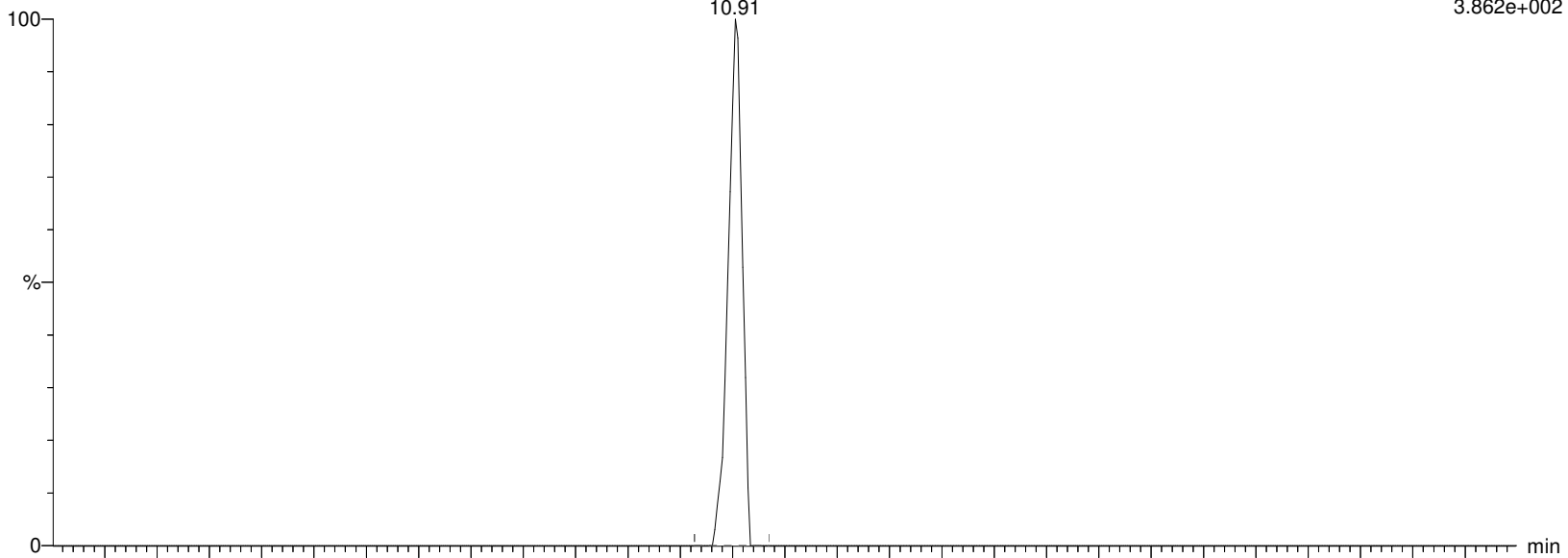
L-NMeFOSAA

10.91

F45:MRM of 2 channels, ES-

570.053 > 418.917

3.862e+002



I18675 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-5

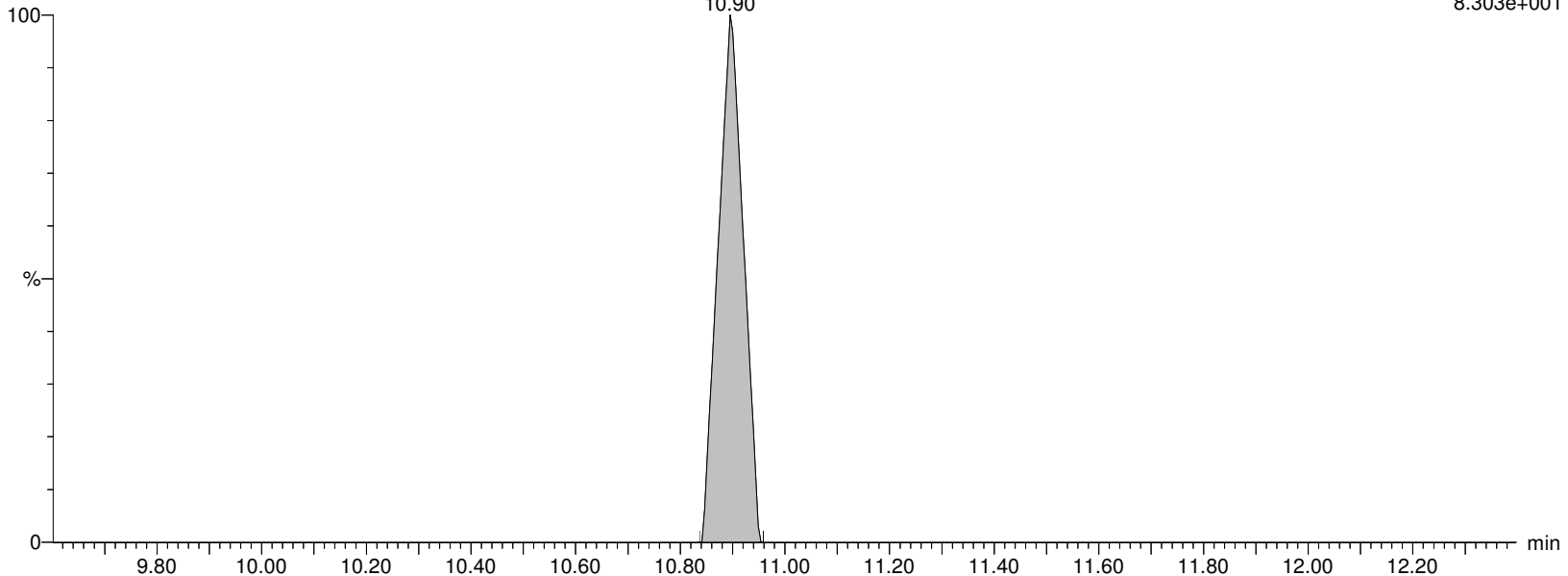
L-NMeFOSAA

10.90

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.303e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

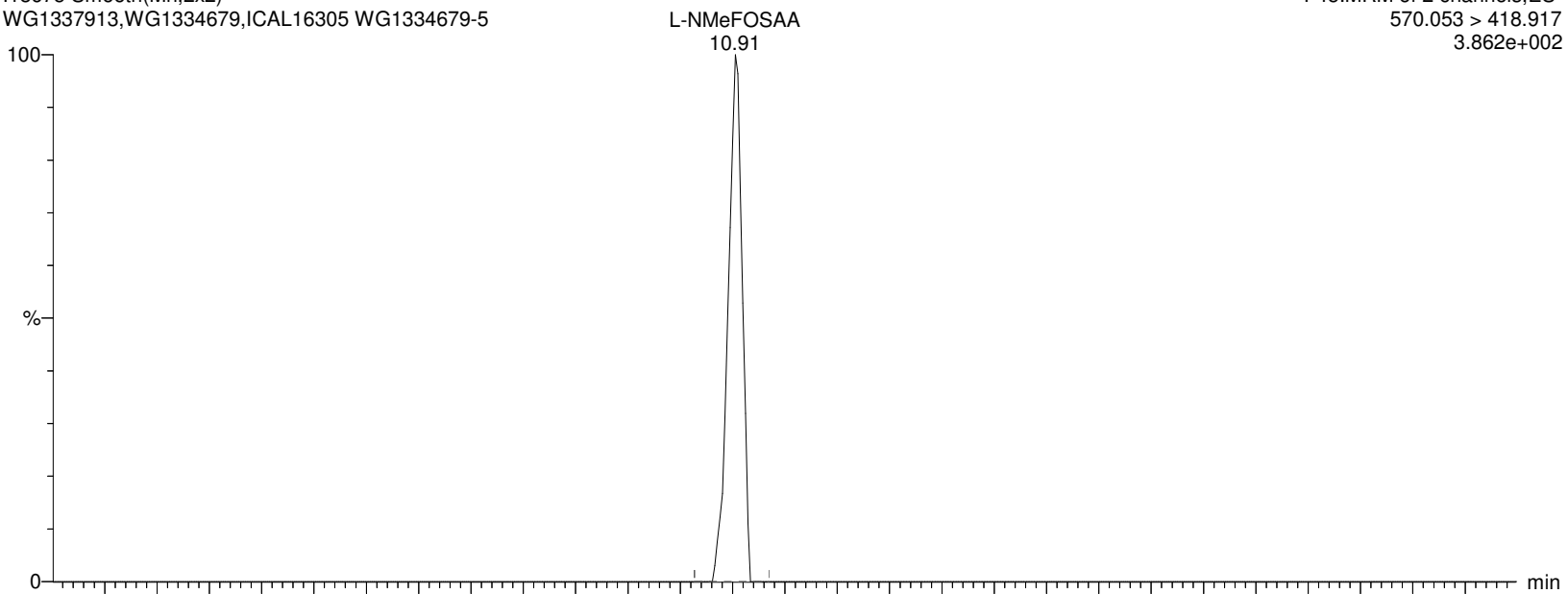
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F45:MRM of 2 channels, ES-

570.053 > 418.917

3.862e+002



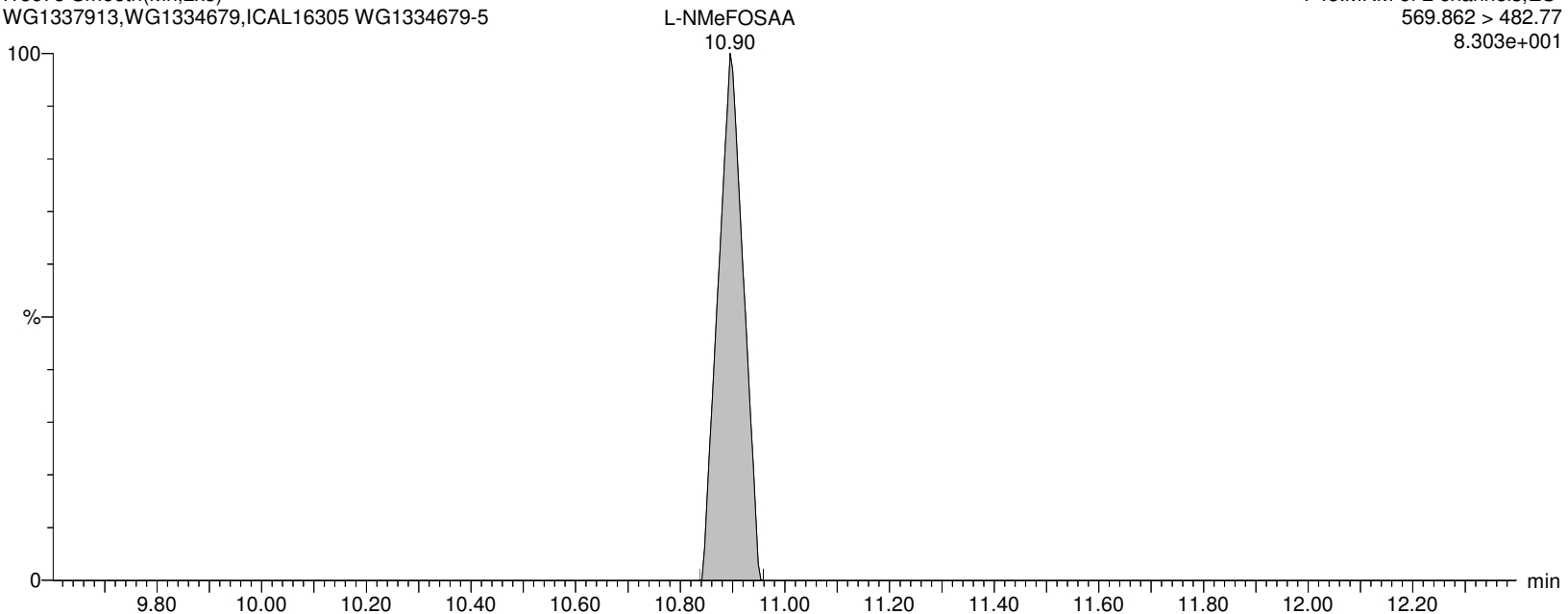
I18675 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.303e+001



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFUnA**

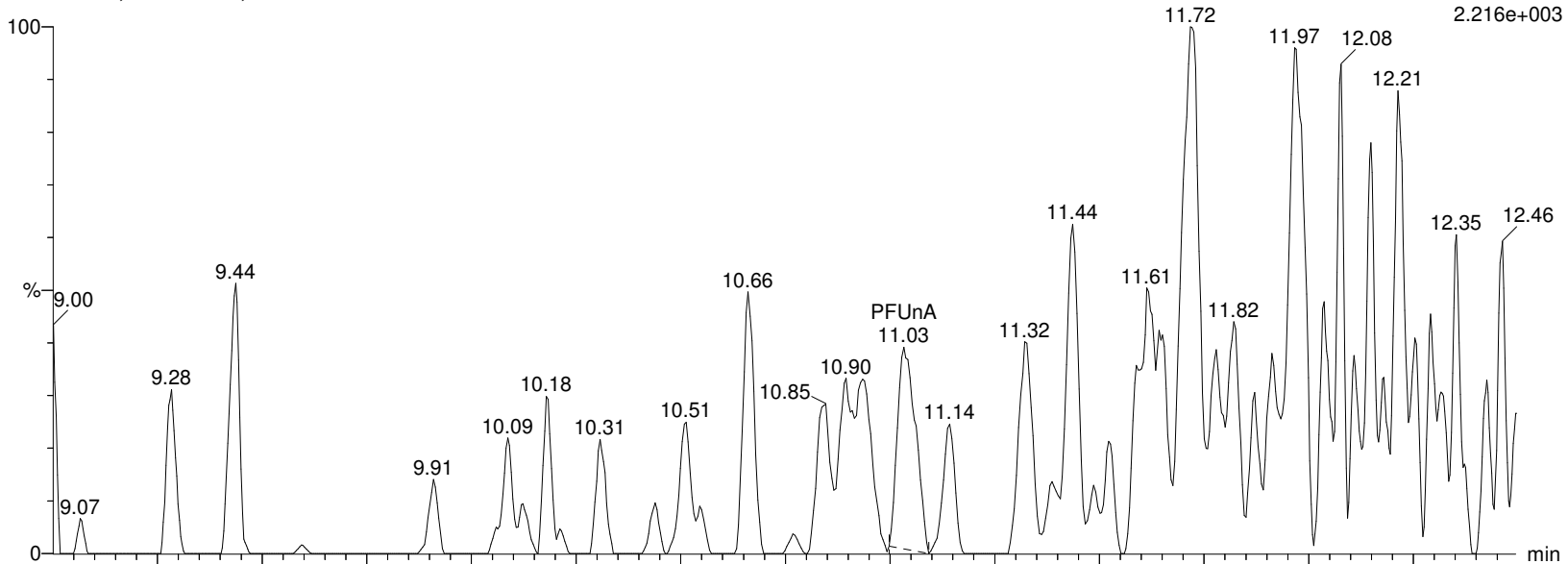
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F44:MRM of 2 channels, ES-

562.989 > 518.903

2.216e+003



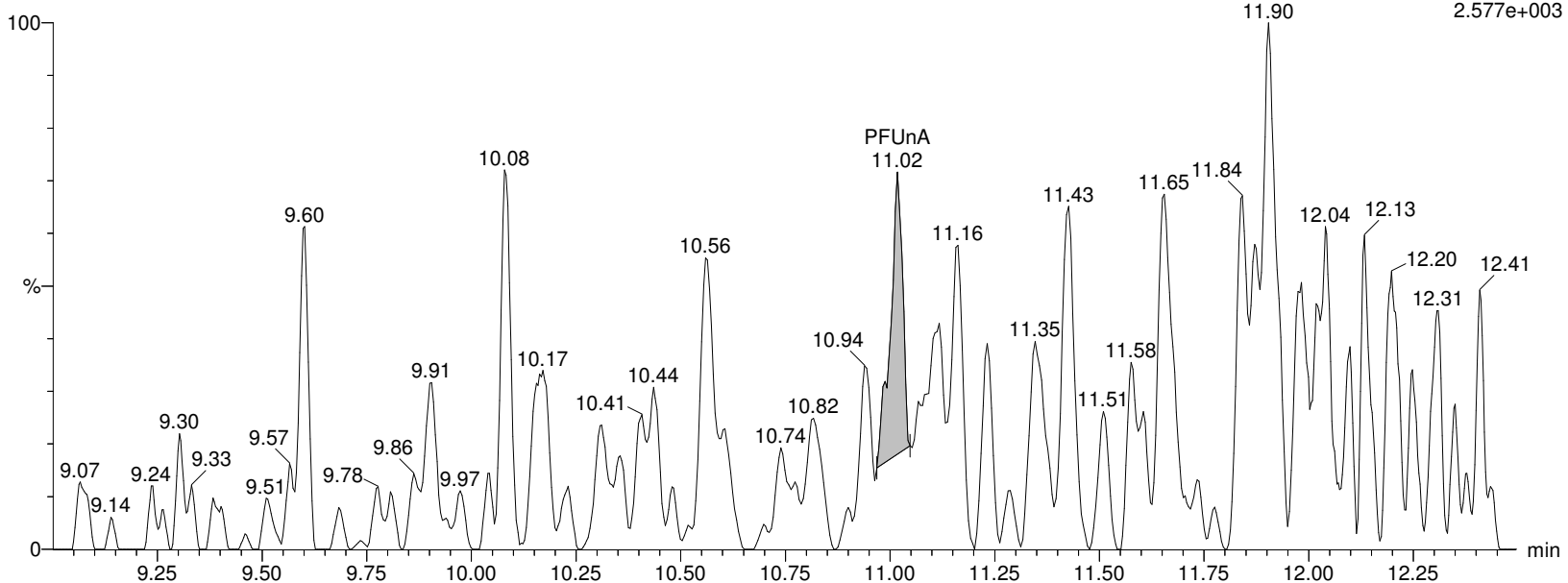
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F44:MRM of 2 channels, ES-

562.989 > 269.01

2.577e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

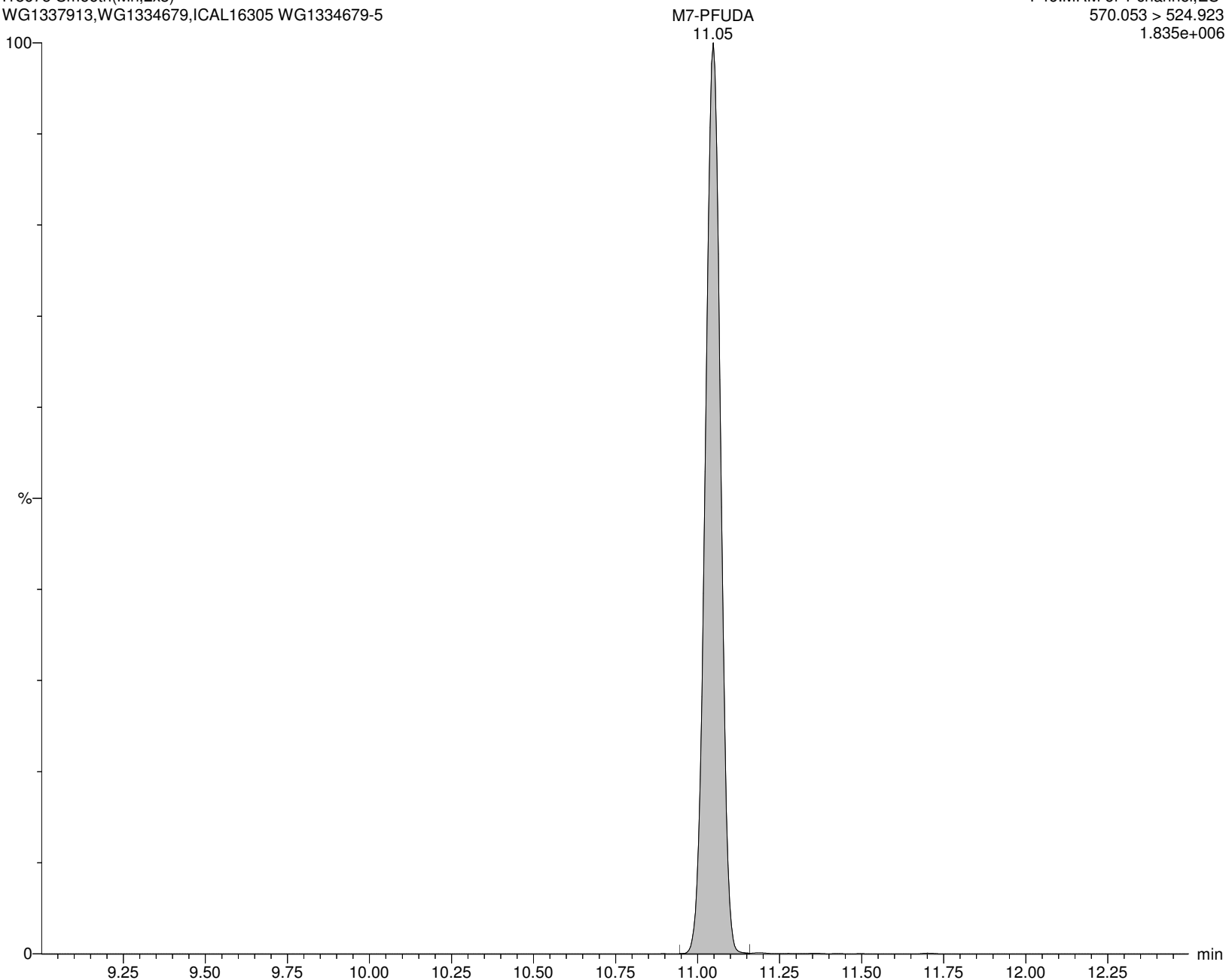
I18675 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-5

F46:MRM of 1 channel,ES-

570.053 > 524.923

1.835e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDS**

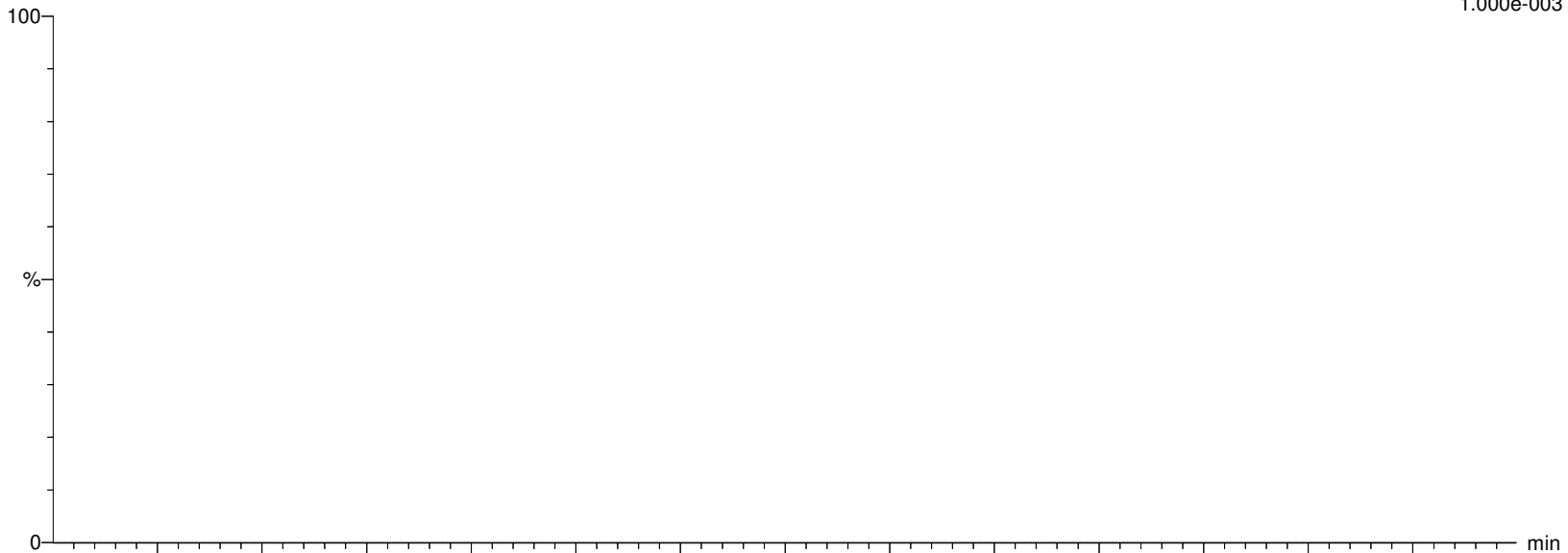
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F50:MRM of 2 channels, ES-

598.926 > 80.314

1.000e-003



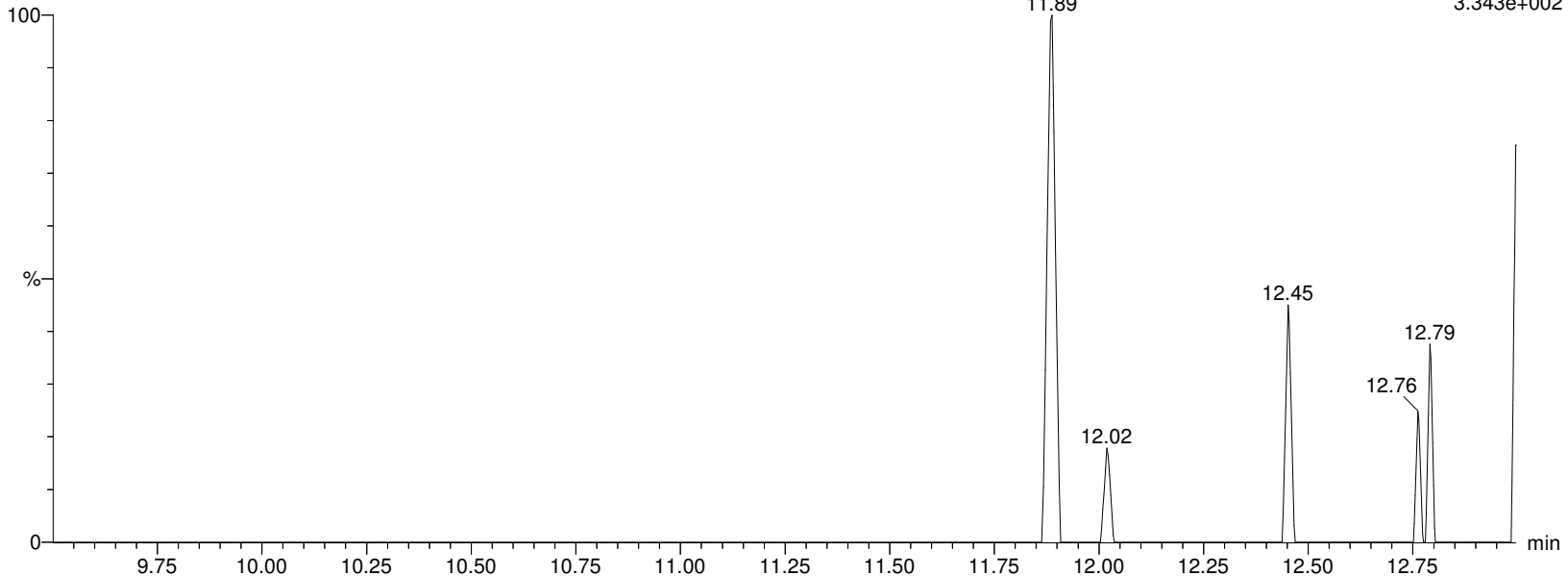
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F50:MRM of 2 channels, ES-

598.926 > 99.22

3.343e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****FOSA**

I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F28:MRM of 2 channels, ES-

497.989 > 78.245

1.000e-003



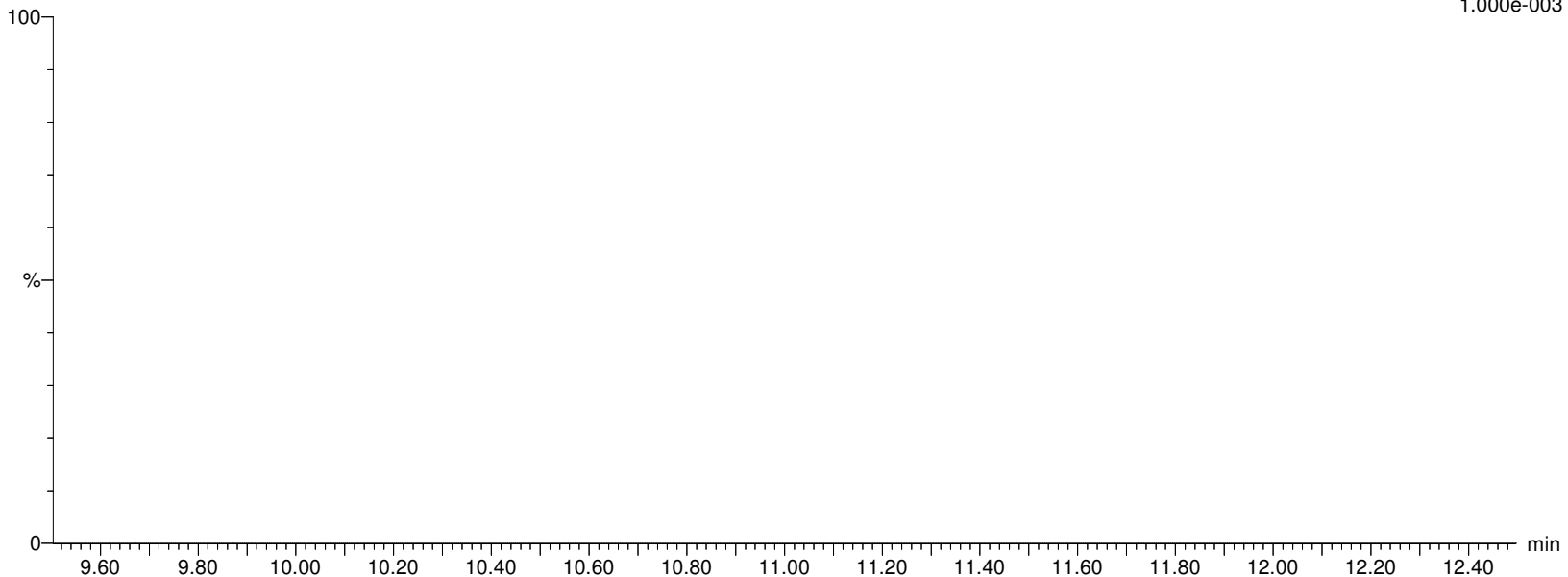
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F28:MRM of 2 channels, ES-

497.989 > 168.854

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

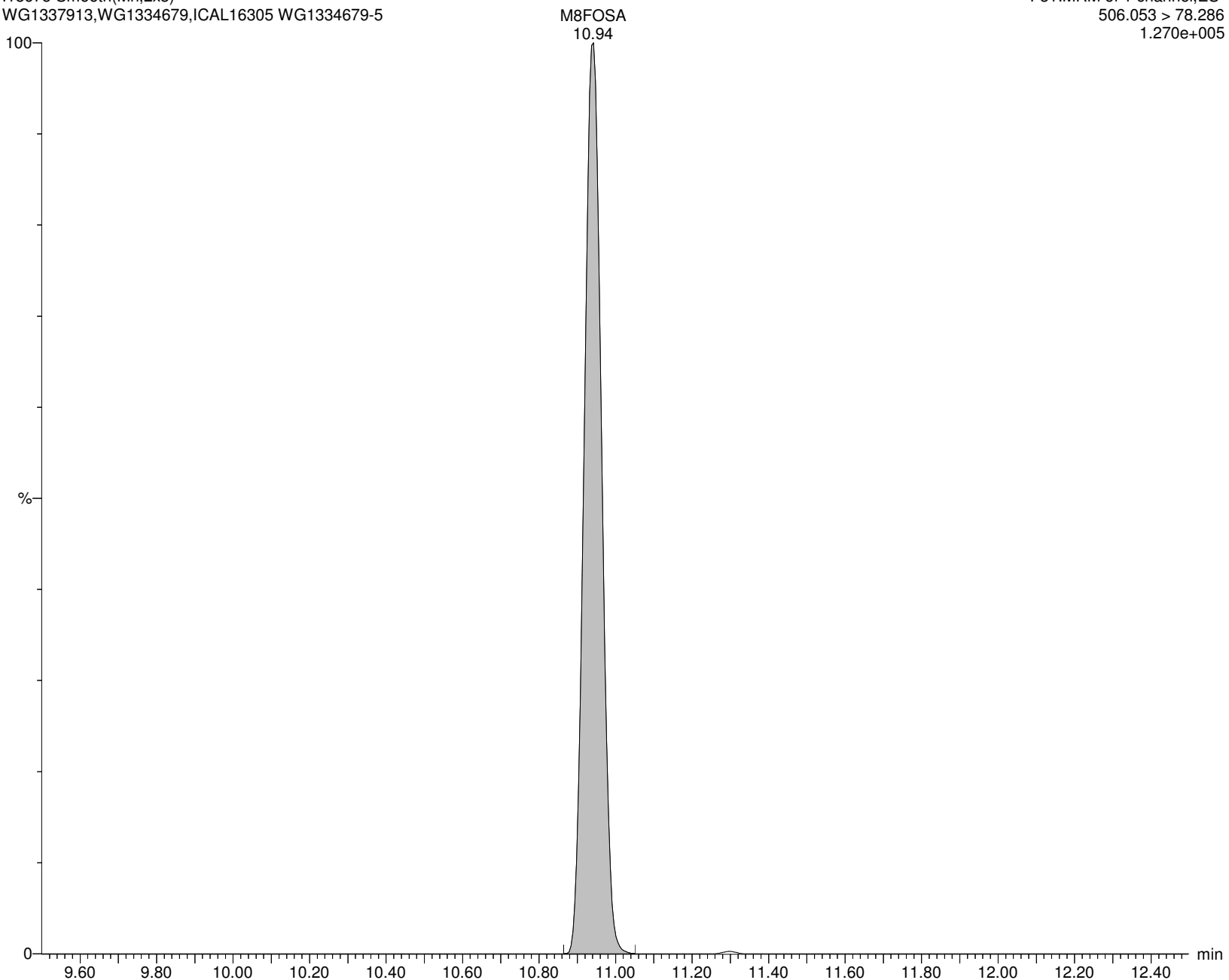
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F31:MRM of 1 channel, ES-

506.053 > 78.286

1.270e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

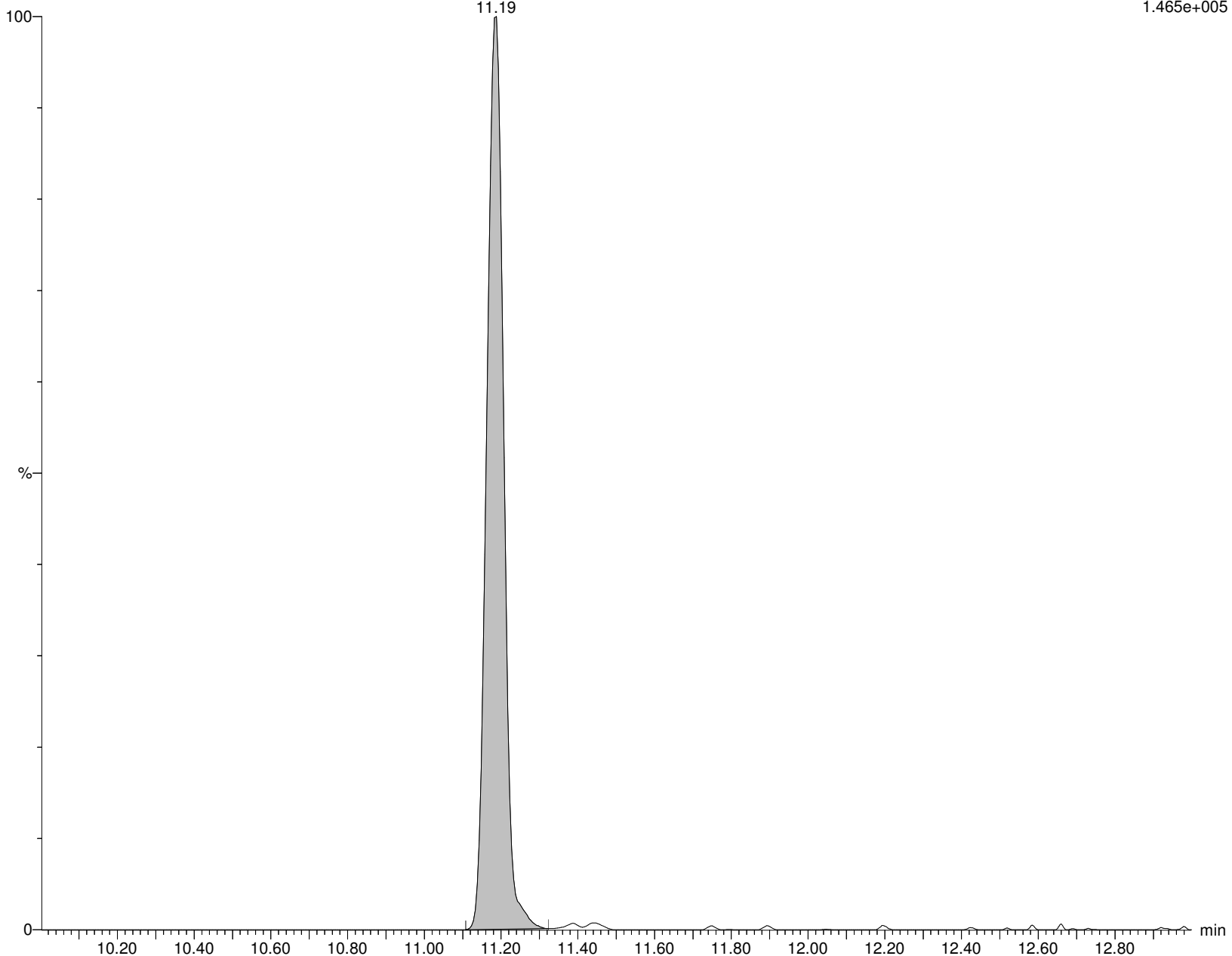
d5-NEtFOSAA

11.19

F49:MRM of 1 channel, ES-

589.117 > 418.929

1.465e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-NEtFOSAA**

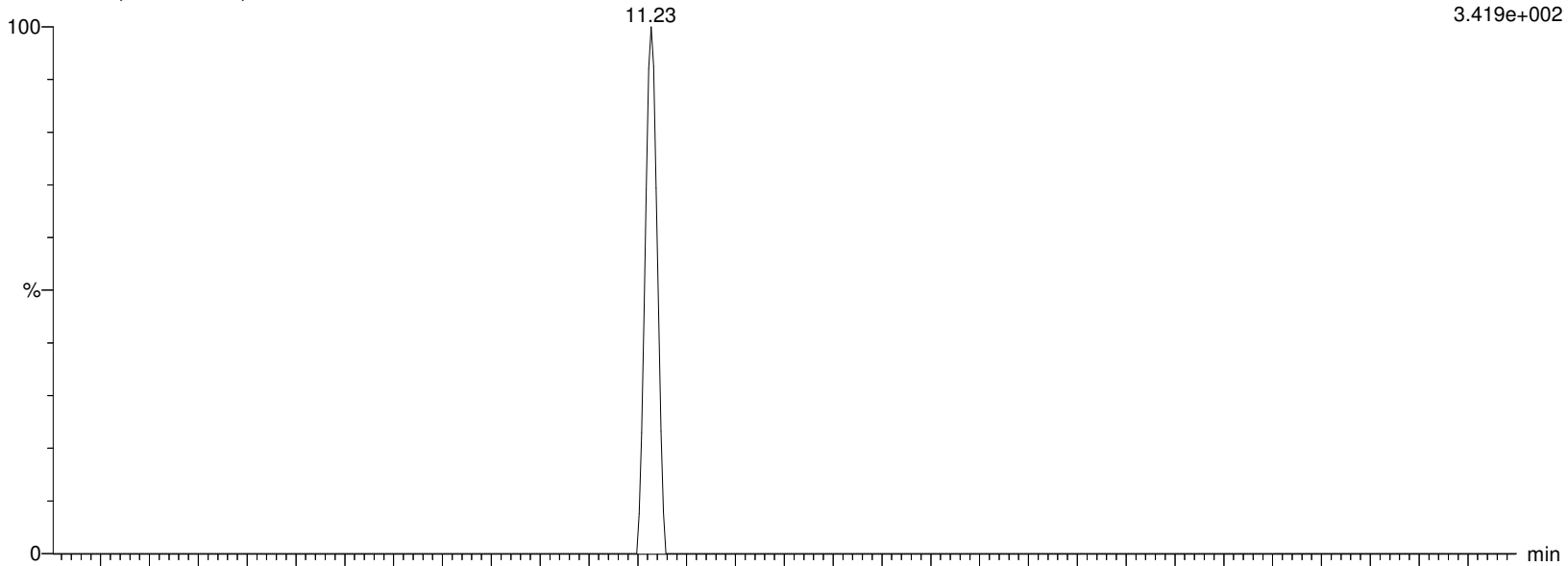
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.419e+002



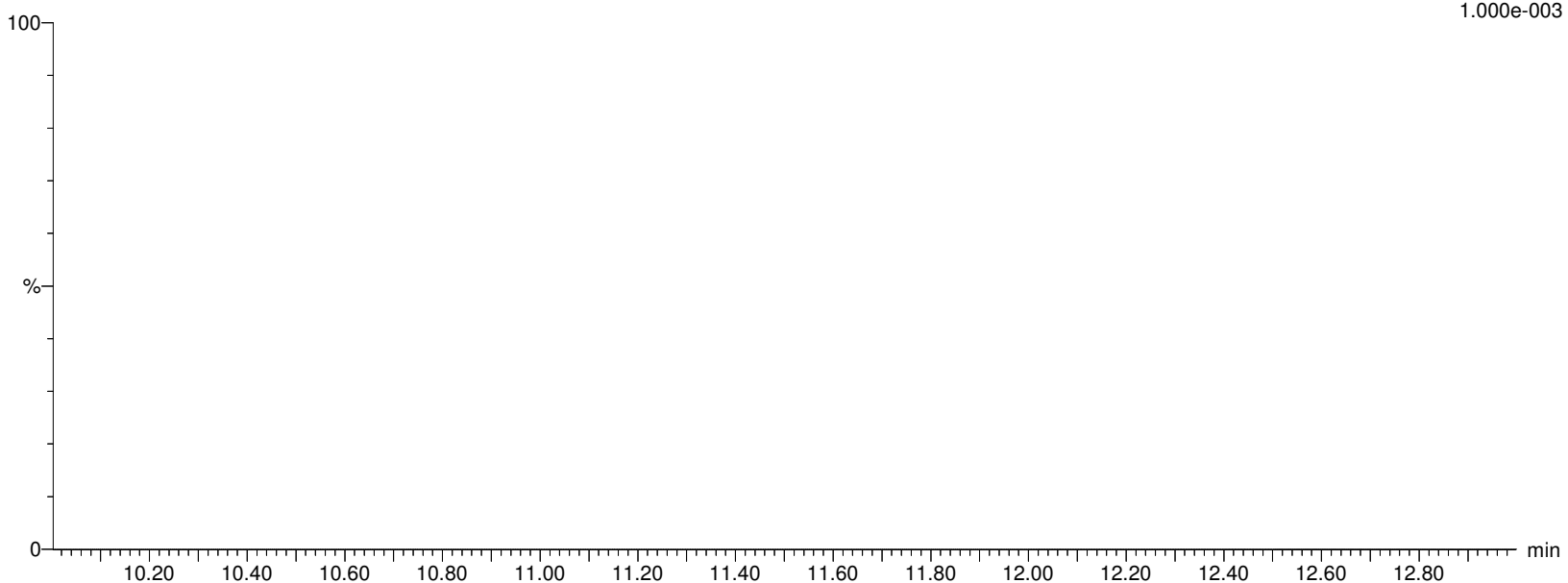
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****L-NEtFOSAA**

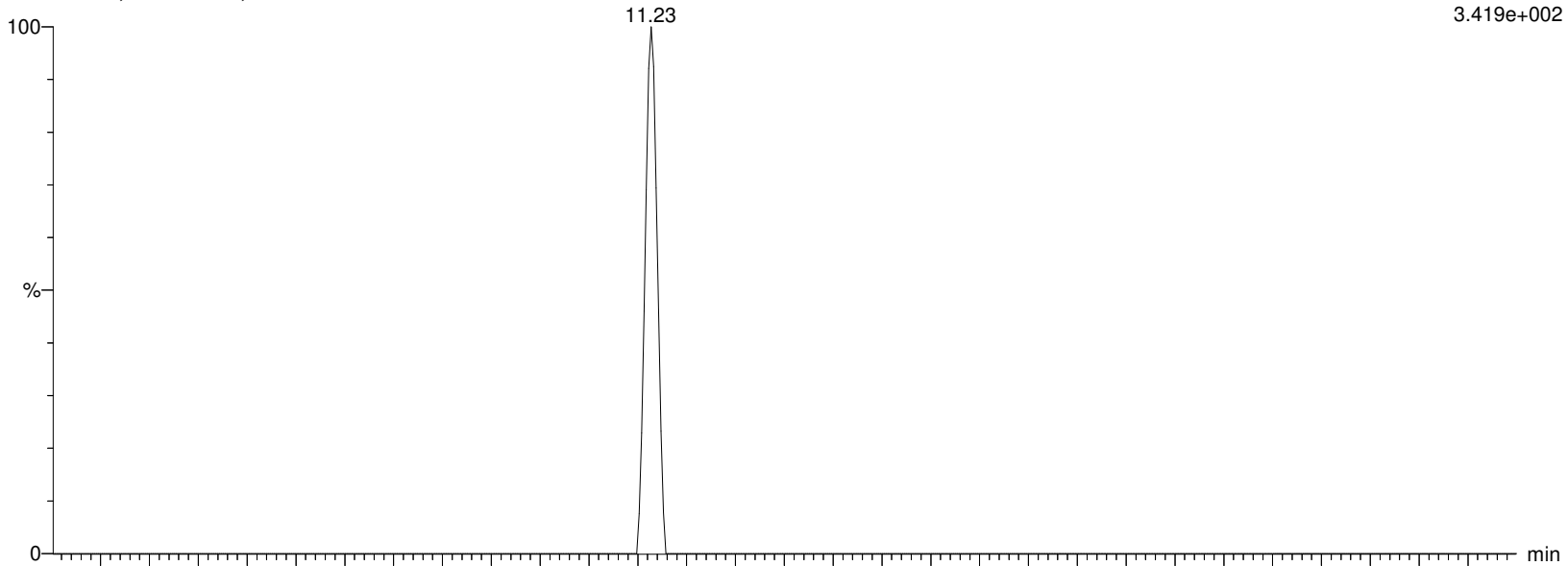
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.419e+002



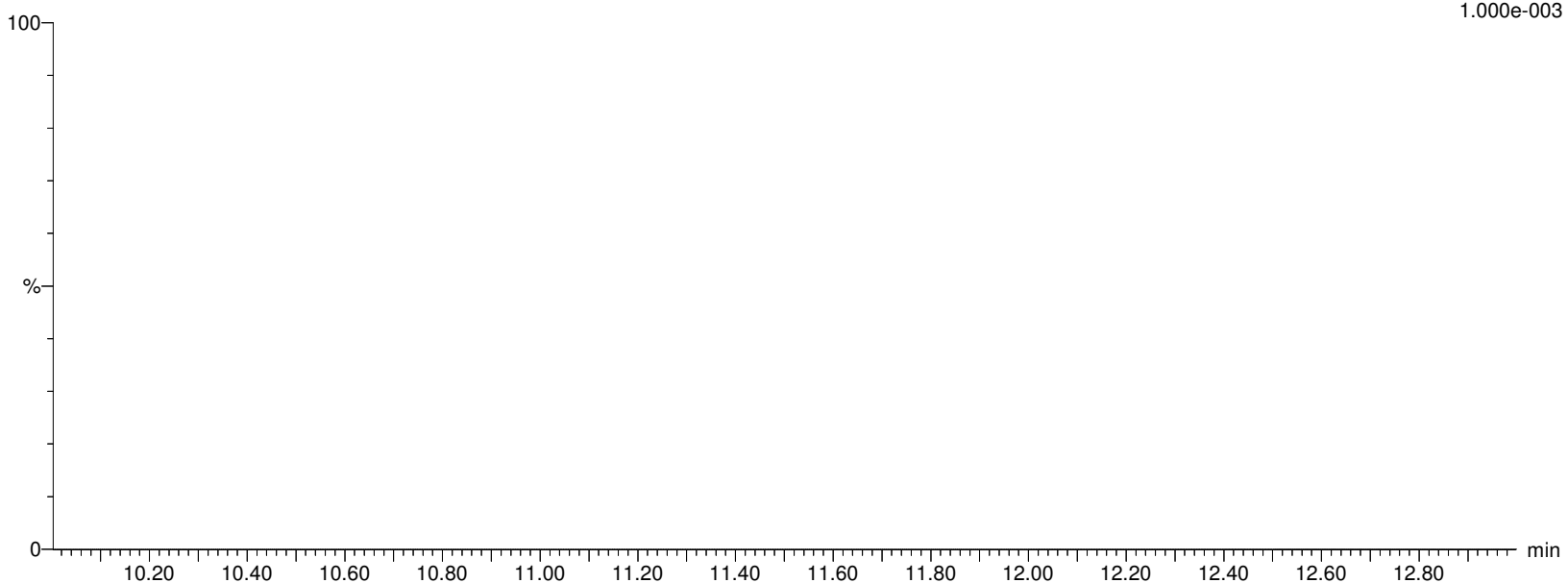
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NetFOSAA**

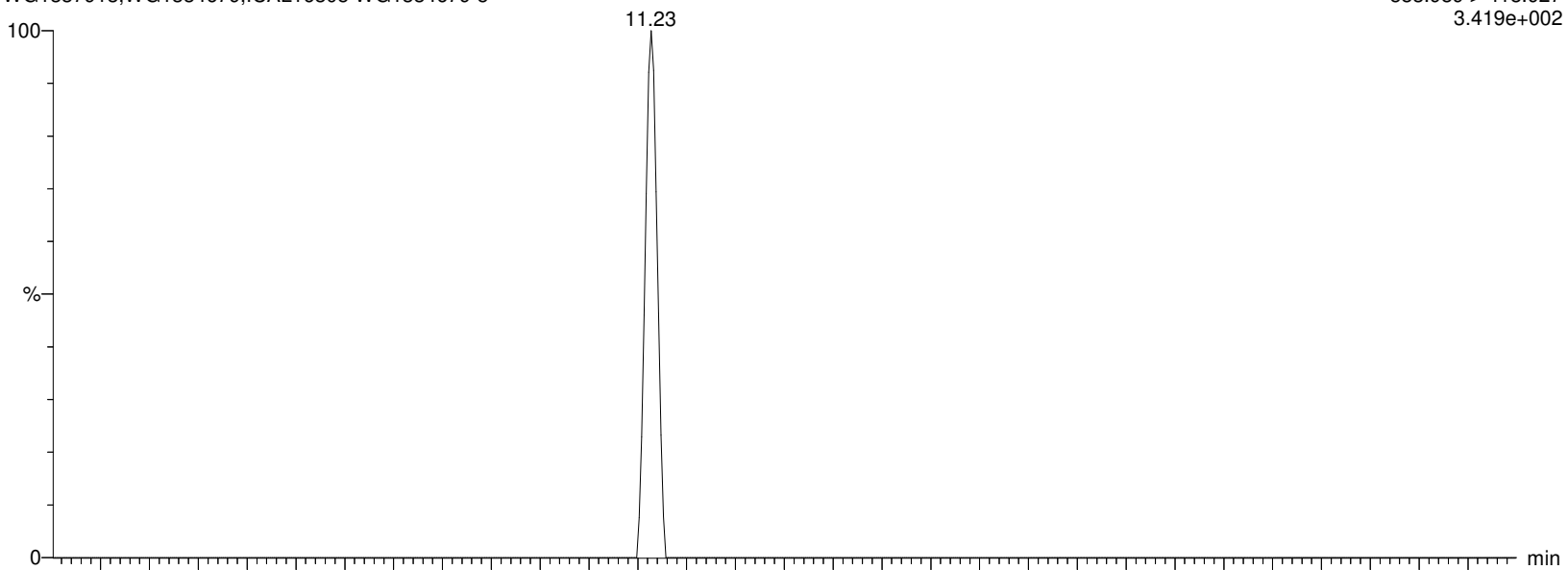
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.419e+002



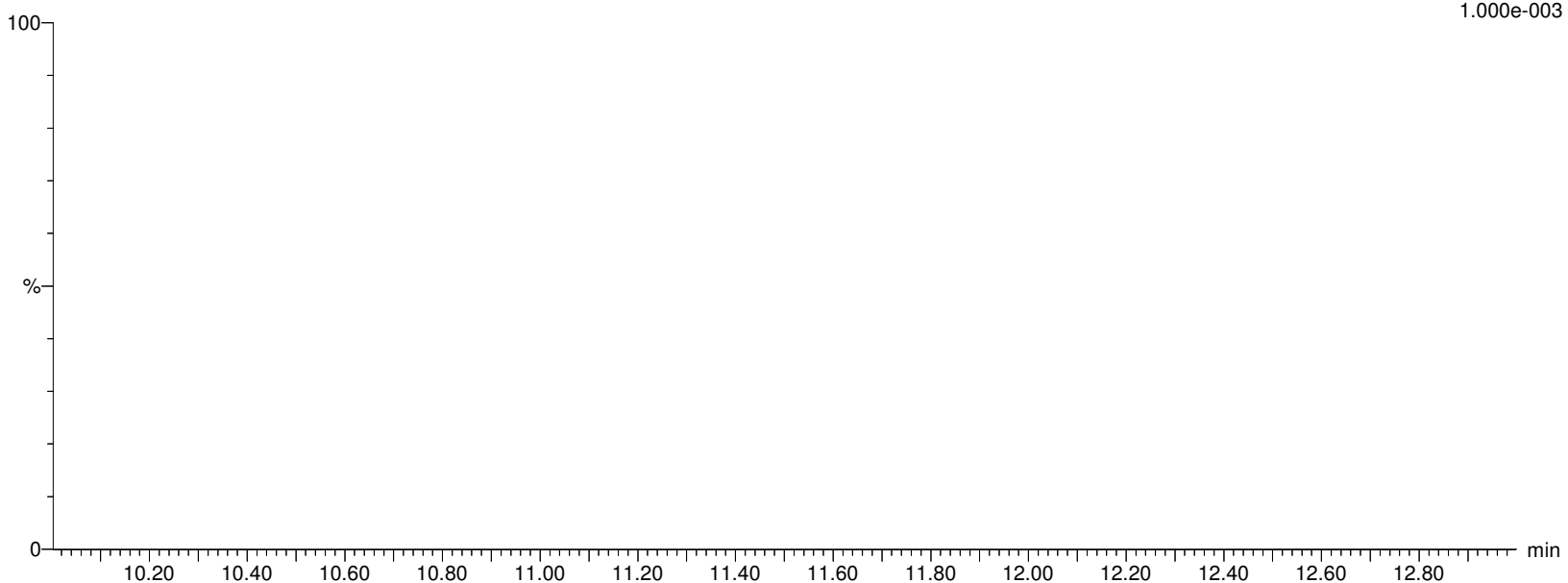
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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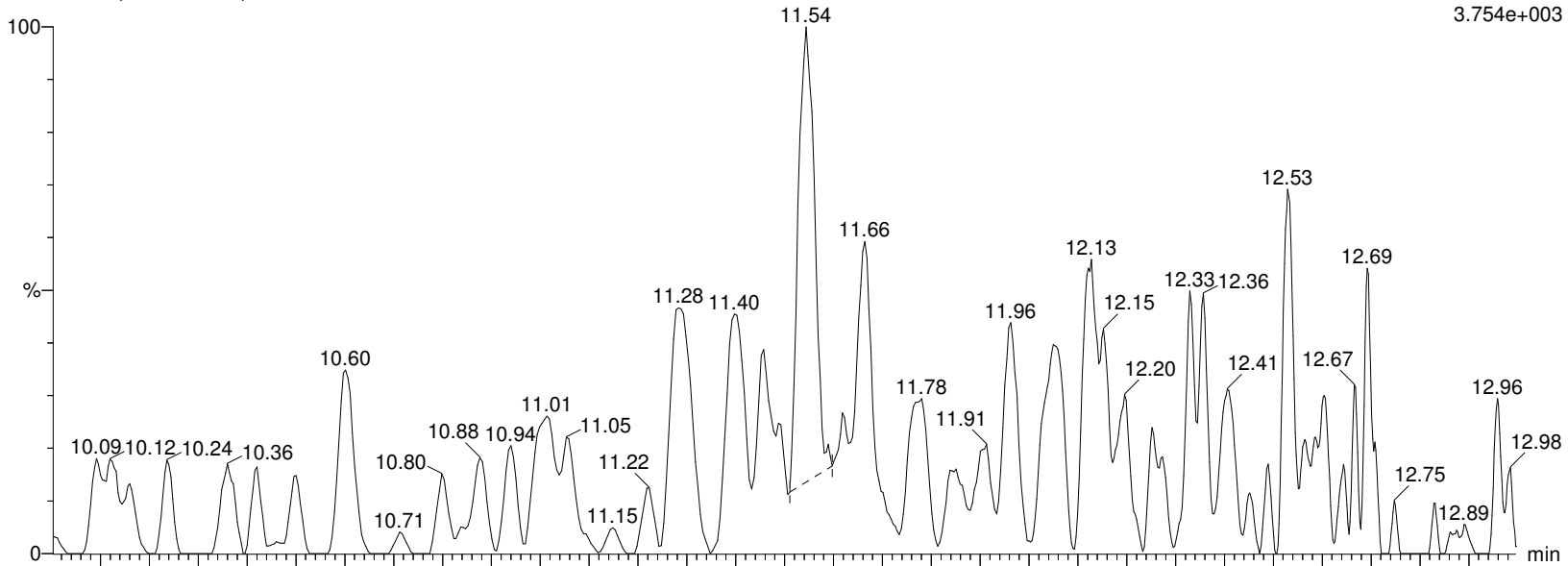
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F51:MRM of 2 channels, ES-

612.989 > 568.967

3.754e+003



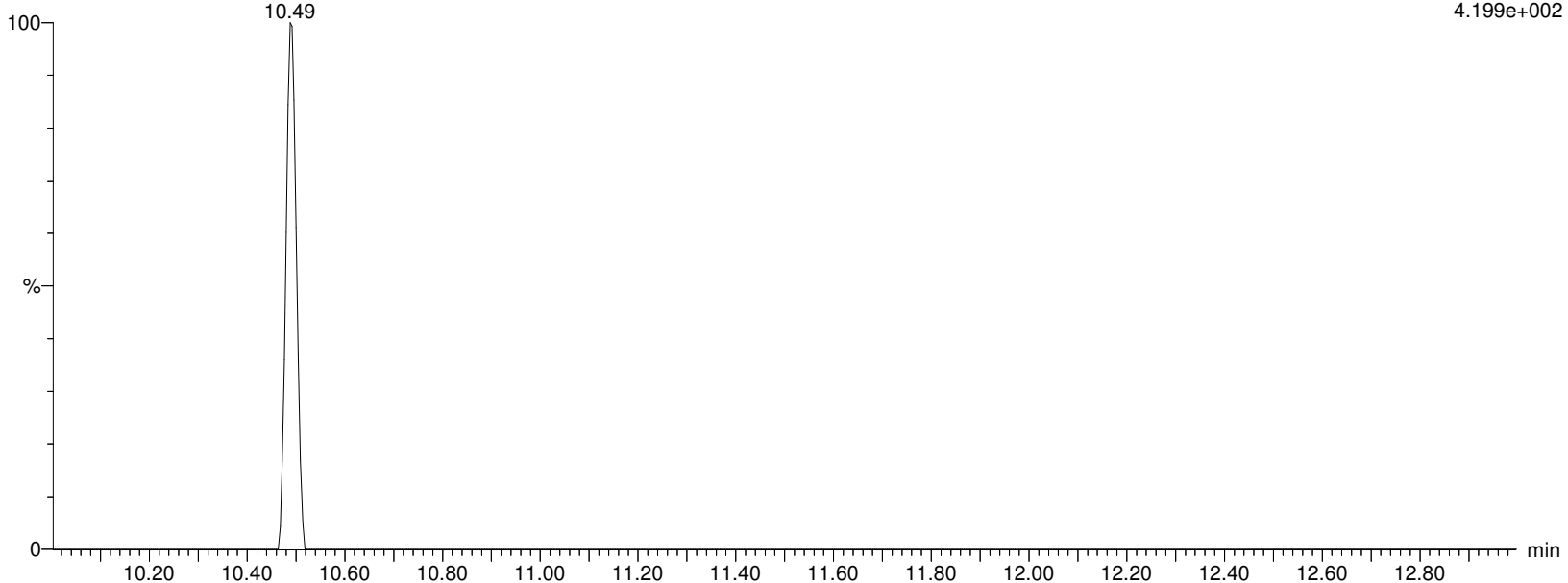
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F51:MRM of 2 channels, ES-

612.989 > 219.08

4.199e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

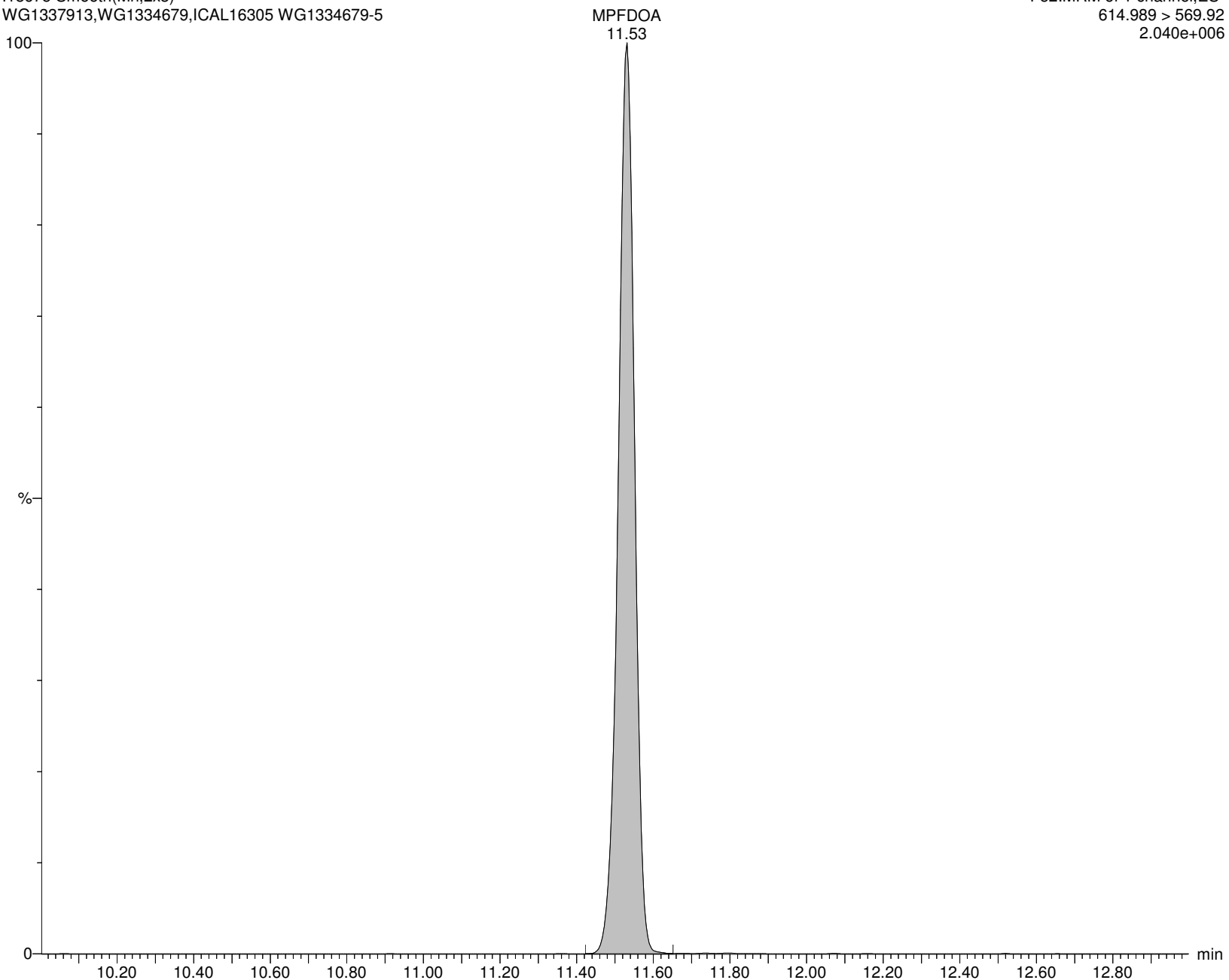
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.040e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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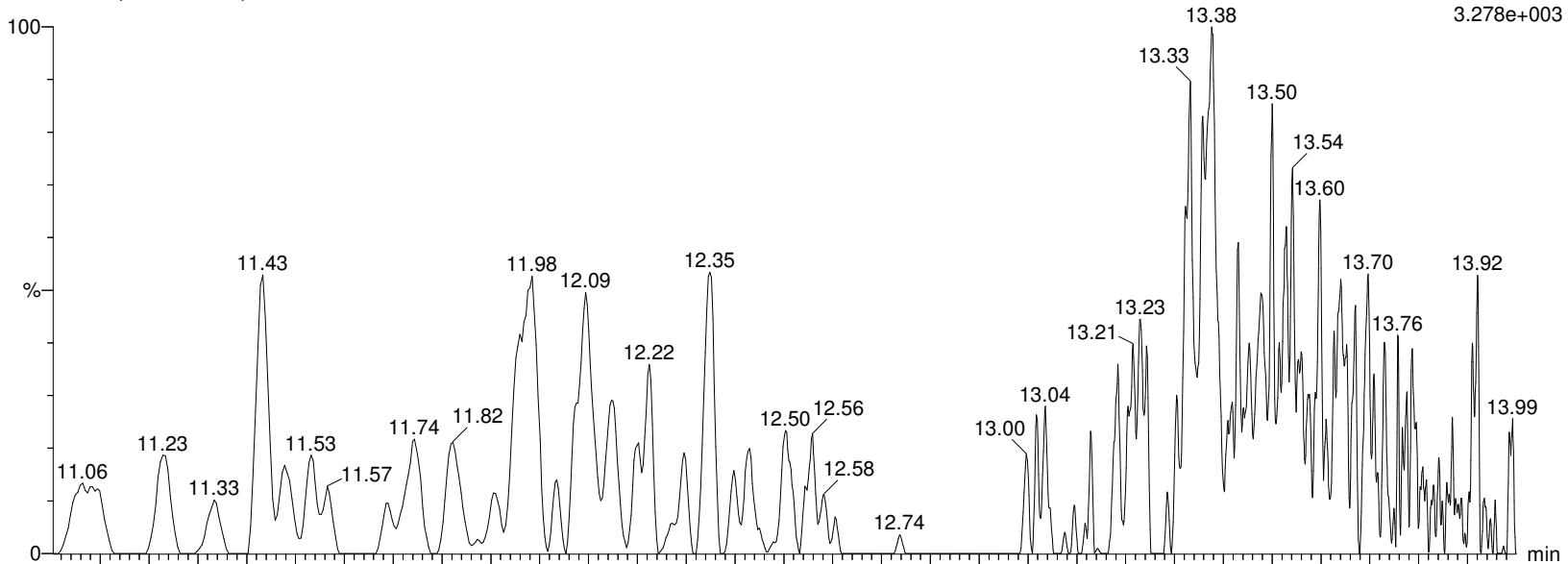
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F59:MRM of 2 channels, ES-

663.053 > 618.969

3.278e+003



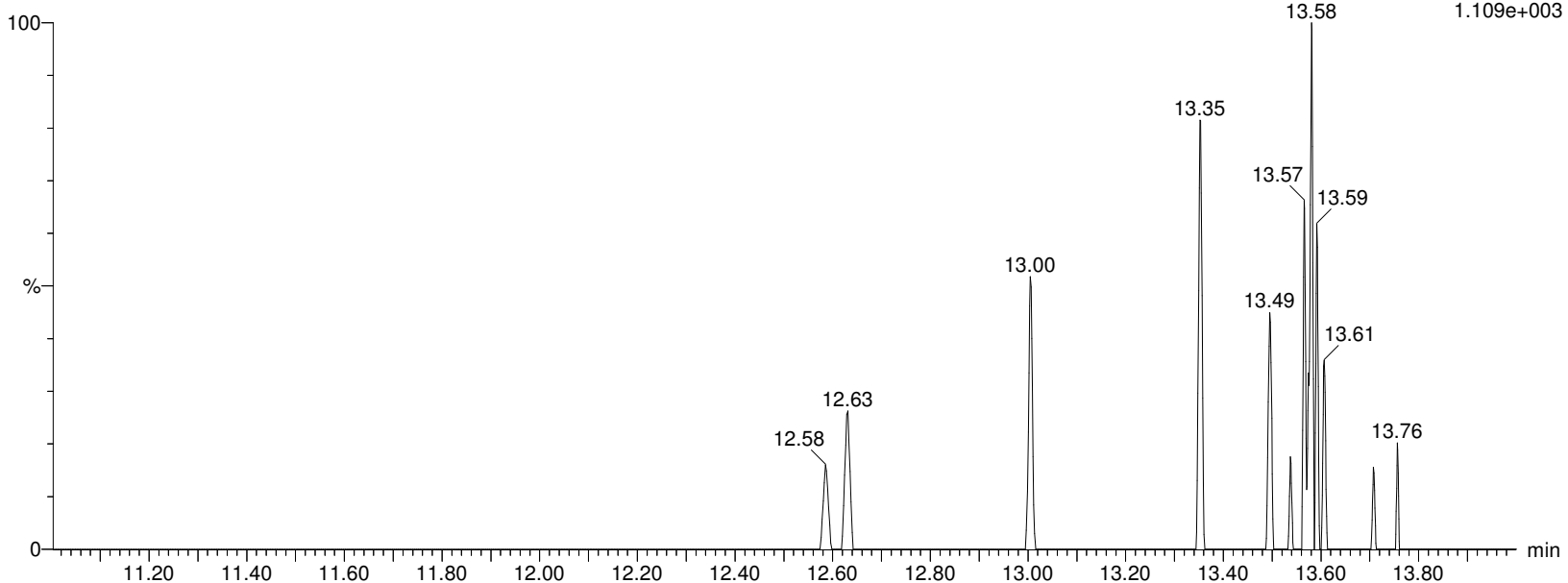
I18675 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F59:MRM of 2 channels, ES-

663.053 > 319.02

1.109e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675

ID: WG1334679-5

Date: 06-Feb-2020

Time: 23:18:45

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 1:E,5

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

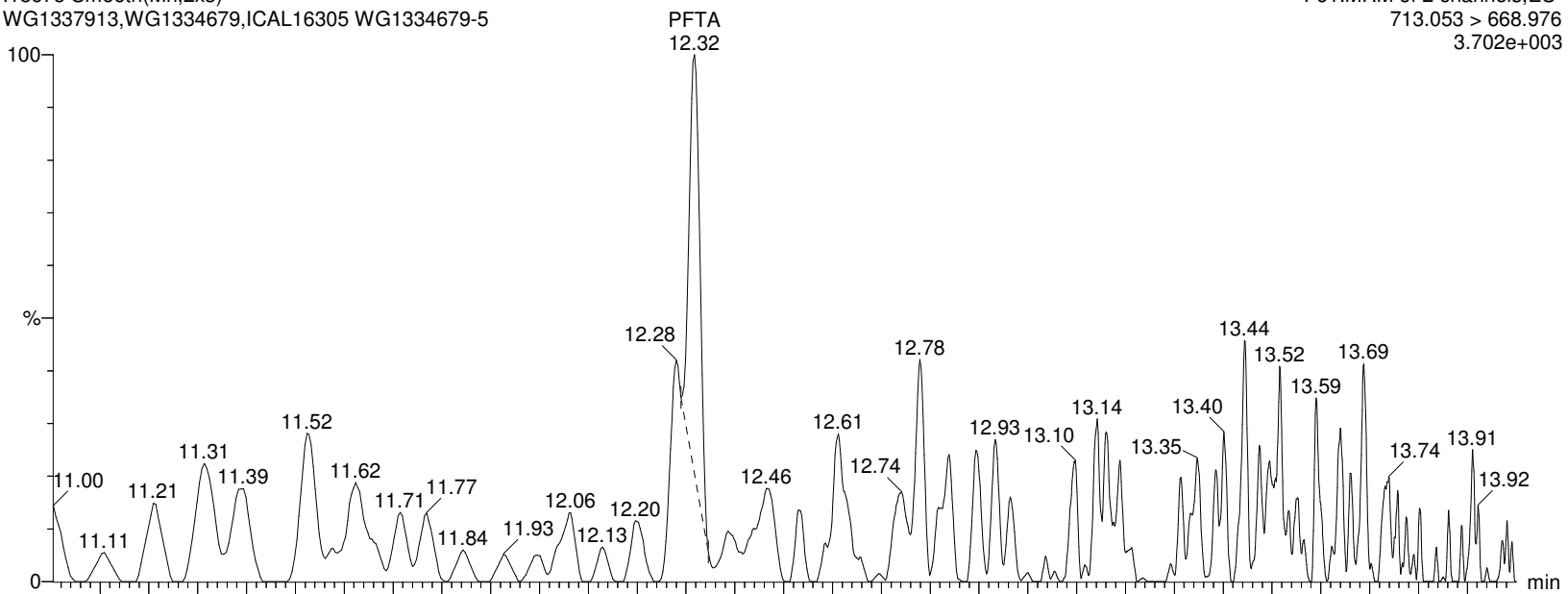
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F61:MRM of 2 channels, ES-

713.053 > 668.976

3.702e+003



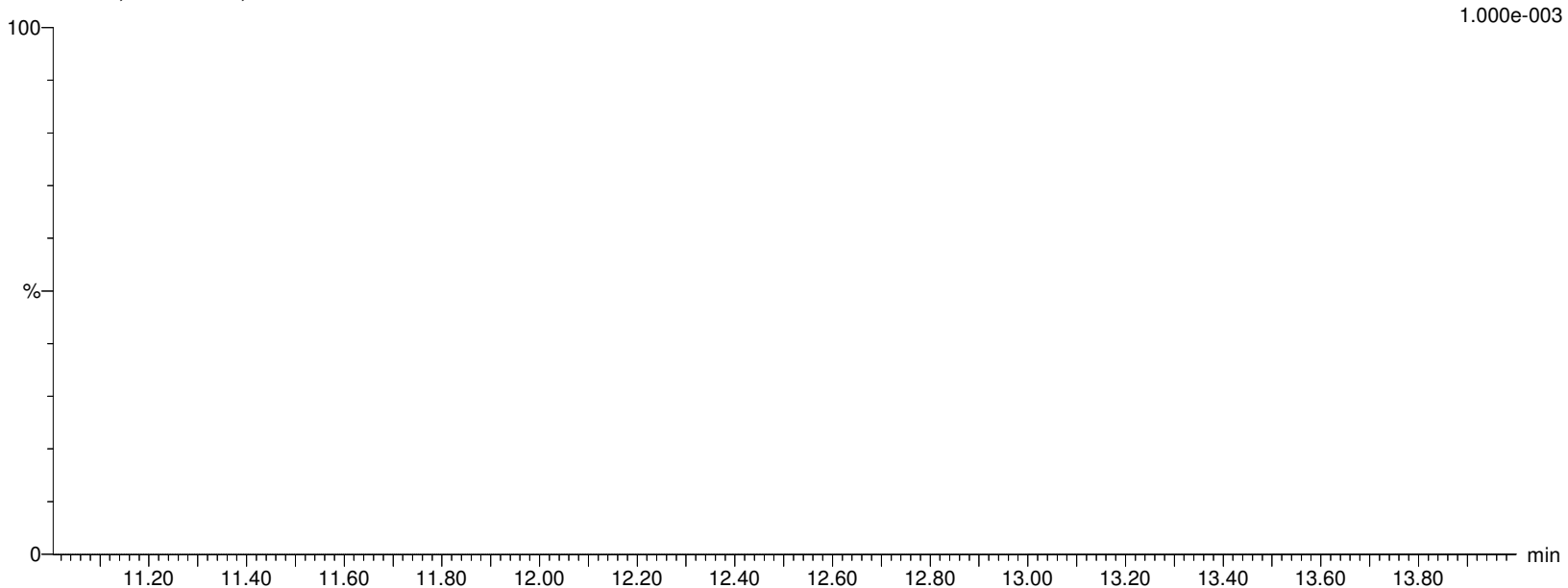
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.000e-003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:28 Eastern Standard Time

Name: I18675**ID: WG1334679-5****Date: 06-Feb-2020****Time: 23:18:45****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 1:E,5****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

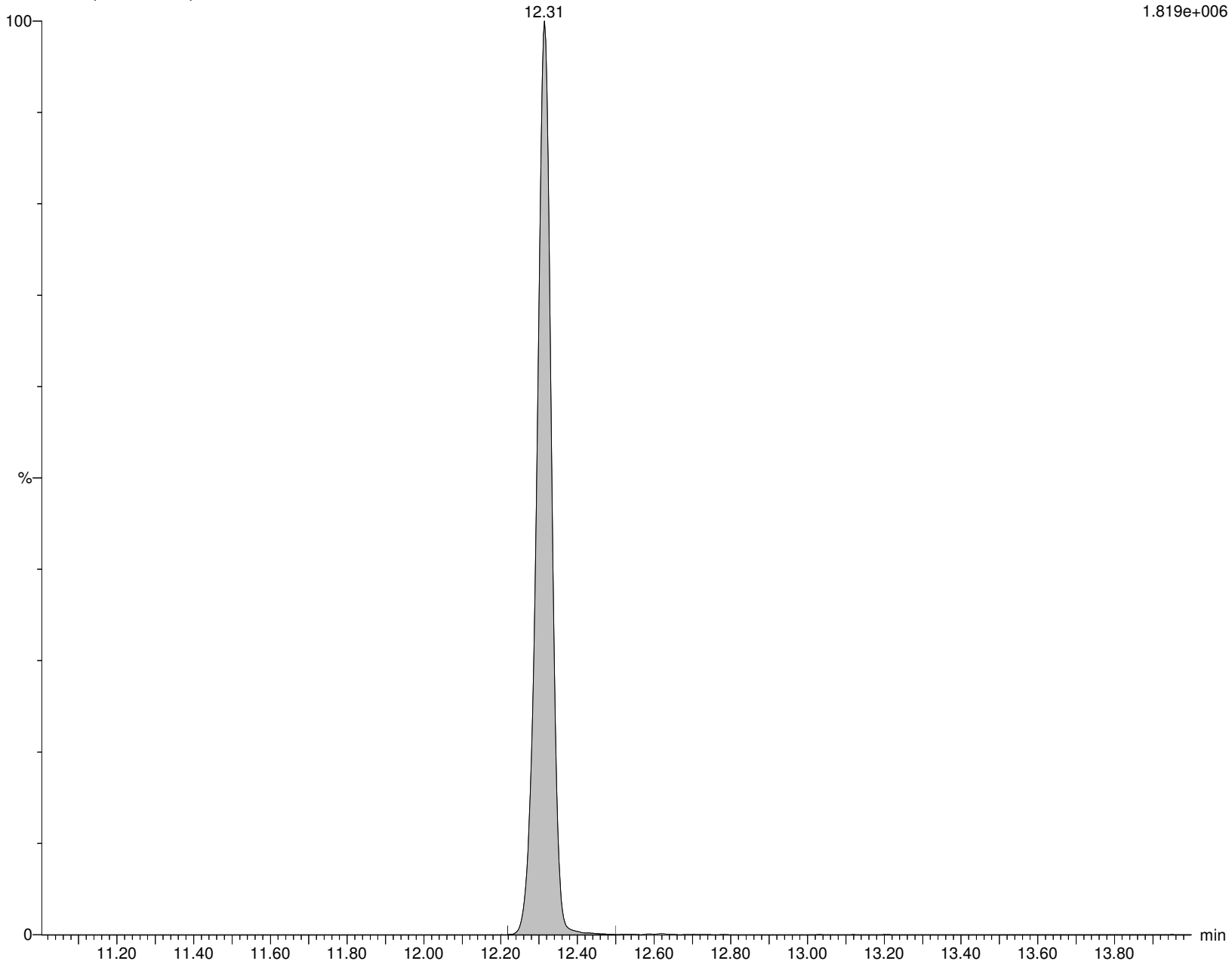
I18675 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-5

F62:MRM of 1 channel, ES-

715.053 > 669.945

1.819e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1334679-2

Name: I18687

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	40213		10.190		na	101.9
2	M3PFBA	INT STD	2.19	215.926 > 172.122	45420		9.802		na	98.0
3	MPFBA	INT STD	2.19	216.926 > 172.137	47262		9.562		na	95.6
4	PFPeA	2706-90-3	5.08	262.926 > 219.002	80127		10.711		na	107.1
5	M5PFPEA	INT STD	5.08	267.989 > 223.081	77460		11.049		na	110.5
6	PFBS	375-73-5	5.72	298.926 > 79.923	12568	m4	8.907	1.95	NO	100.6
7	M3PFBS	INT STD	5.72	301.989 > 80.254	9604		8.760		na	87.6
8	4:2FTS	757124-72-4	6.88	326.926 > 306.957	8042		10.122	2.18	NO	108.3
9	M2-4:2FTS	INT STD	6.88	329.117 > 309.079	7380		10.367		na	103.7
10	PFHxA	307-24-4	6.96	312.989 > 269.028	85419		10.271	18.40	NO	102.7
11	M5PFHxA	INT STD	6.96	317.989 > 273.045	90343		9.121		na	91.2
12	PFPeS	2706-91-4	7.27	348.926 > 80.251	8643		8.775	1.78	NO	93.3
13	PFHpA	375-85-9	8.21	362.926 > 319.014	118457		10.455	5.81	NO	104.6
14	M4PFHpA	INT STD	8.20	366.926 > 321.979	125601		9.519		na	95.2
15	br-PFHxS	355-46-4	8.13	398.926 > 80.295	1186	M5	1.691	2.25	NO	99.5
16	L-PFHxS	355-46-4	8.36	398.926 > 80.295	5796		7.856	1.21	NO	106.2
17	PFHxS	355-46-4		398.926 > 80.295	6982		9.547		na	
18	M3PFHxS	INT STD	8.36	401.926 > 80.317	5890		9.308		na	93.1
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.11	412.989 > 368.9	119911		10.709	11.12	NO	107.1
21	PFOA	335-67-1		412.989 > 368.9	119911		10.709		na	
22	M8PFOA	INT STD	9.11	420.989 > 375.979	121948		9.632		na	96.3
23	M2PFOA	INT STD	9.11	415.032 > 369.968	129397		12.240		na	122.4
24	6:2FTS	27619-97-2	9.07	426.989 > 406.921	6795		11.153	11.69	NO	117.4
25	M2-6:2FTS	INT STD	9.07	428.989 > 408.917	7711		11.084		na	110.8
26	PFHpS	375-92-8	9.20	448.926 > 80.257	5196		10.726	0.90	YES	112.9
27	PFNA	375-95-1	9.85	462.989 > 418.931	107280		10.154	4.42	NO	101.5
28	M9PFNA	INT STD	9.85	472.053 > 426.947	128963		10.352		na	103.5
29	br-PFOS	1763-23-1	9.64	498.989 > 80.294	1688	M5	1.751	3.62	NO	87.5
30	L-PFOS	1763-23-1	9.89	498.989 > 80.294	5331		7.383	1.56	YES	101.1
31	PFOS	1763-23-1		498.989 > 80.294	7018		9.133		na	
32	M4PFOS	INT STD	9.89	503.032 > 80.306	7833		11.215		na	112.2
33	M8PFOS	INT STD	9.90	507.053 > 80.294	7357		9.154		na	91.5
34	PFDA	335-76-2	10.47	513.053 > 468.906	104315		10.171	6.67	NO	101.7
35	M2PFDA	INT STD	10.47	515.053 > 469.934	119507		13.535		na	135.4
36	M6PFDA	INT STD	10.46	519.053 > 473.931	119560		9.680		na	96.8
37	8:2FTS	39108-34-4	10.46	526.926 > 506.818	6029		11.340		na	118.1
38	M2-8:2FTS	INT STD	10.45	529.053 > 508.945	5071		12.425		na	124.3
39	PFNS	68259-12-1	10.49	548.989 > 80.249	6802		9.940	1.30	NO	103.5

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

ID: WG1334679-2

Name: I18687

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.85	573.096 > 418.987	11959		8.502		na	85.0
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.86	570.053 > 418.917	13043		11.702	2.65	NO	117.0
43	NMeFOSAA	2355-31-9		570.053 > 418.917	13043		11.702		na	
44	PFUnA	2058-94-8	11.01	562.989 > 518.903	113754		10.634	8.76	NO	106.3
45	M7-PFUDA	INT STD	11.01	570.053 > 524.923	111864		10.209		na	102.1
46	PFDS	335-77-3	11.02	598.926 > 80.314	5522		11.289	1.21	NO	117.0
47	FOSA	754-91-6	10.90	497.989 > 78.245	15319		11.023	207.03	NO	110.2
48	M8FOSA	INT STD	10.90	506.053 > 78.286	13079		4.479		na	44.8
49	d5-NEtFOSAA	INT STD	11.15	589.117 > 418.929	10239		8.240		na	82.4
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.16	583.989 > 418.927	10428		10.788	2.70	NO	107.9
52	NEtFOSAA	2991-50-6		583.989 > 418.927	10428		10.788		na	
53	PFDaA	307-55-1	11.50	612.989 > 568.967	102460		10.620	14.50	NO	106.2
54	MPFDOA	INT STD	11.50	614.989 > 569.92	113908		9.266		na	92.7
55	PFTTrDA	72629-94-8	11.93	663.053 > 618.969	90444		11.731	11.90	NO	117.3
56	PFTA	376-06-7	12.30	713.053 > 668.976	70117		10.862	9.21	NO	108.6
57	M2PFTEDA	INT STD	12.30	715.053 > 669.945	80608		8.256		na	82.6

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

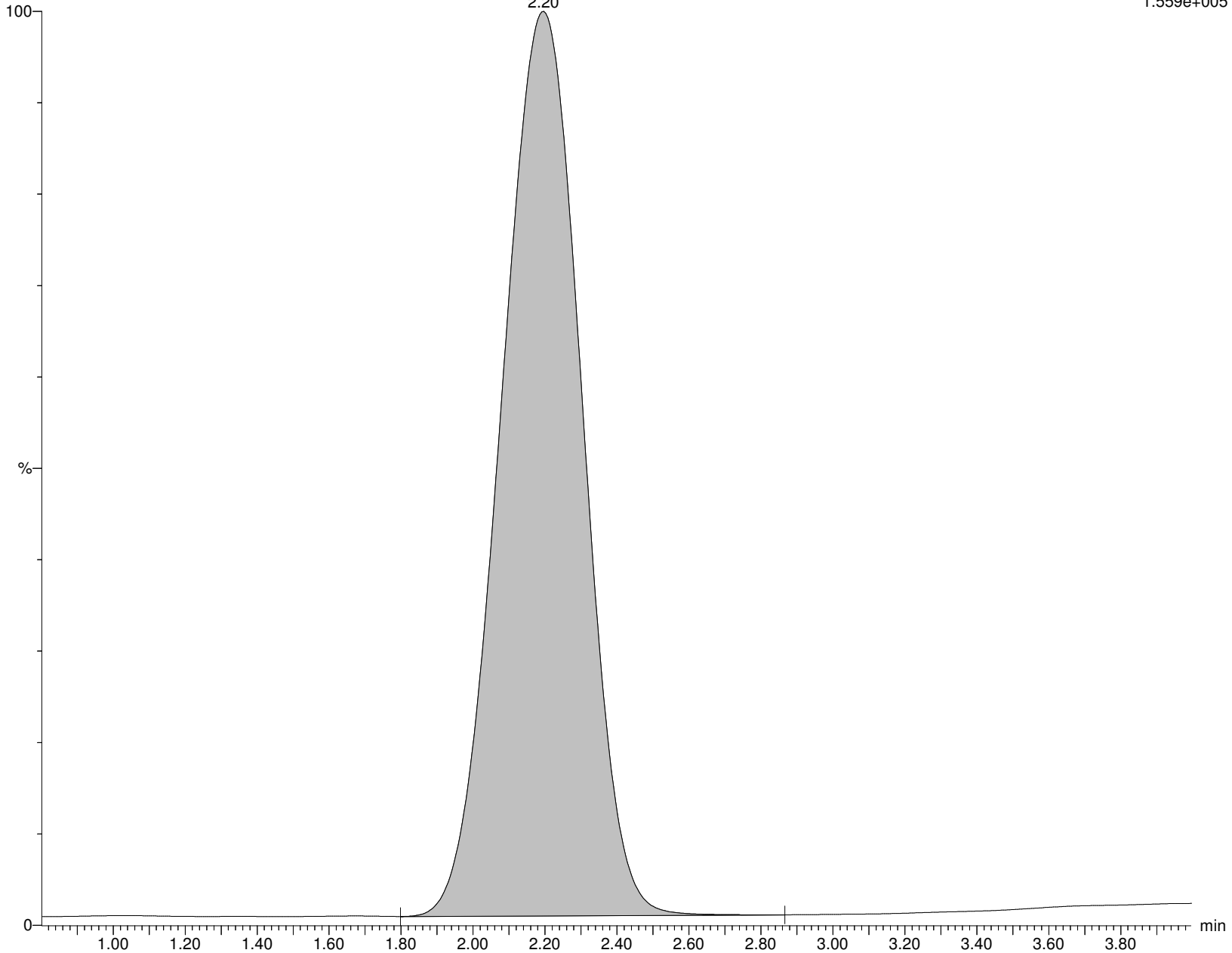
I18687 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.559e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

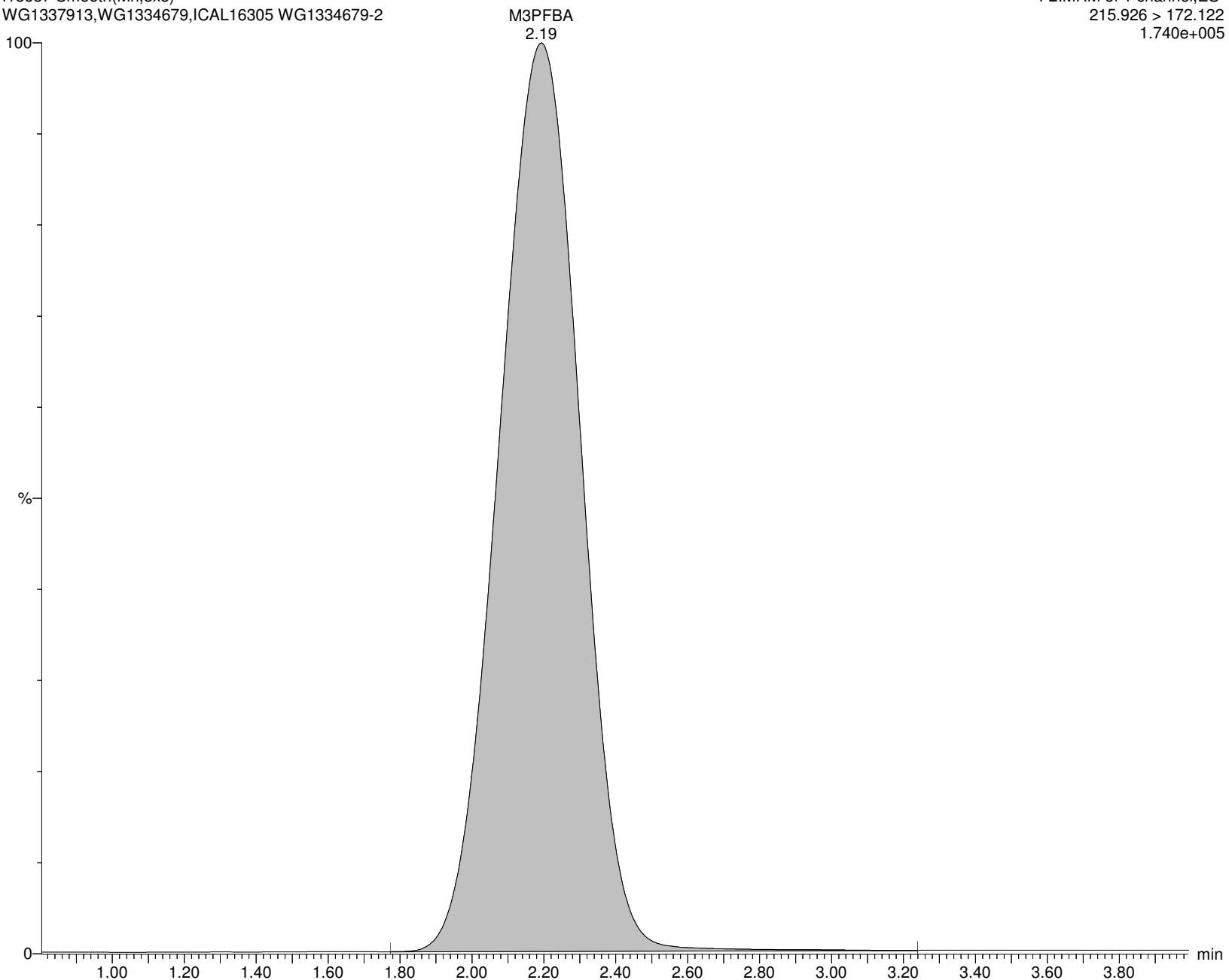
I18687 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.740e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

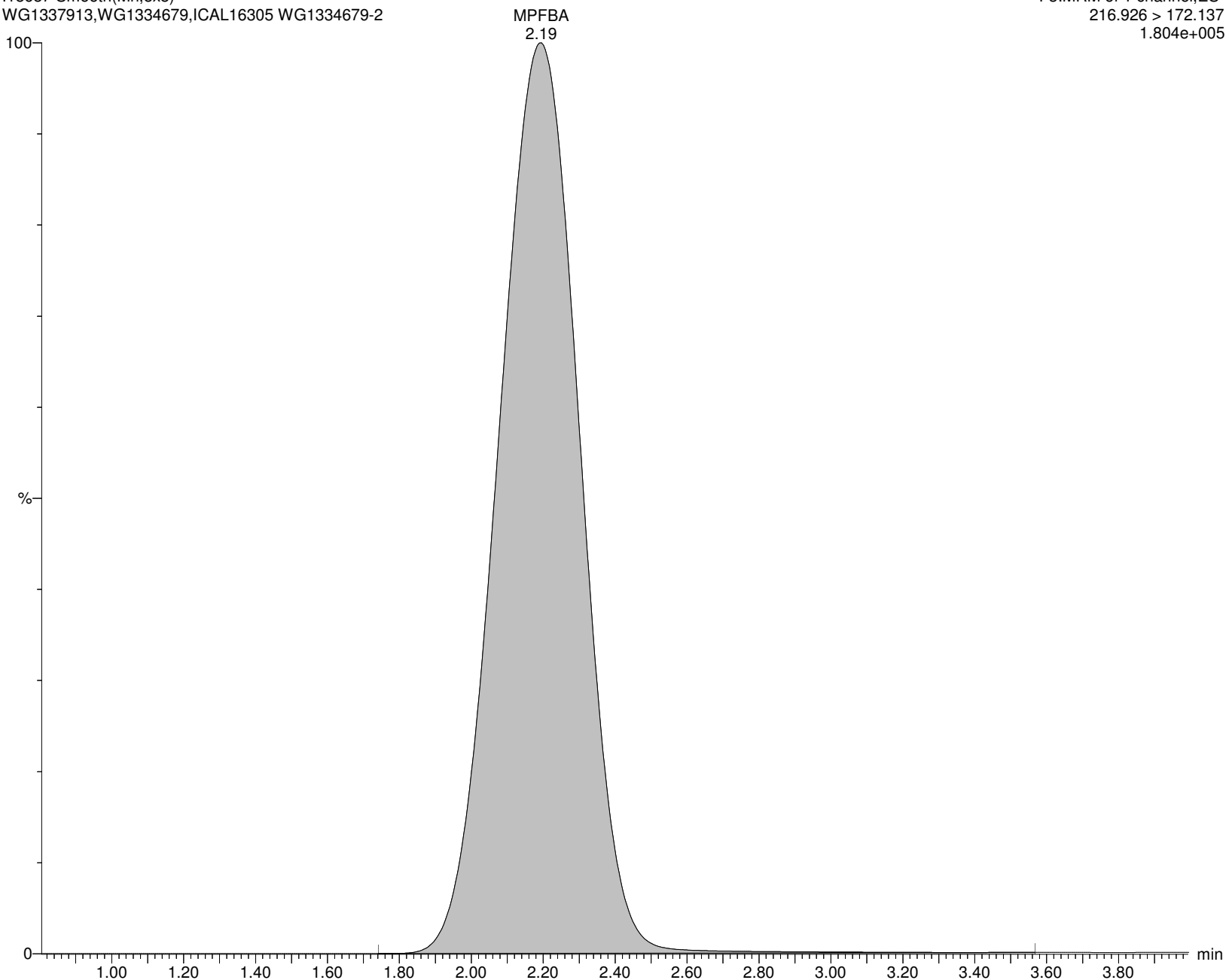
I18687 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F3:MRM of 1 channel, ES-

216.926 > 172.137

1.804e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

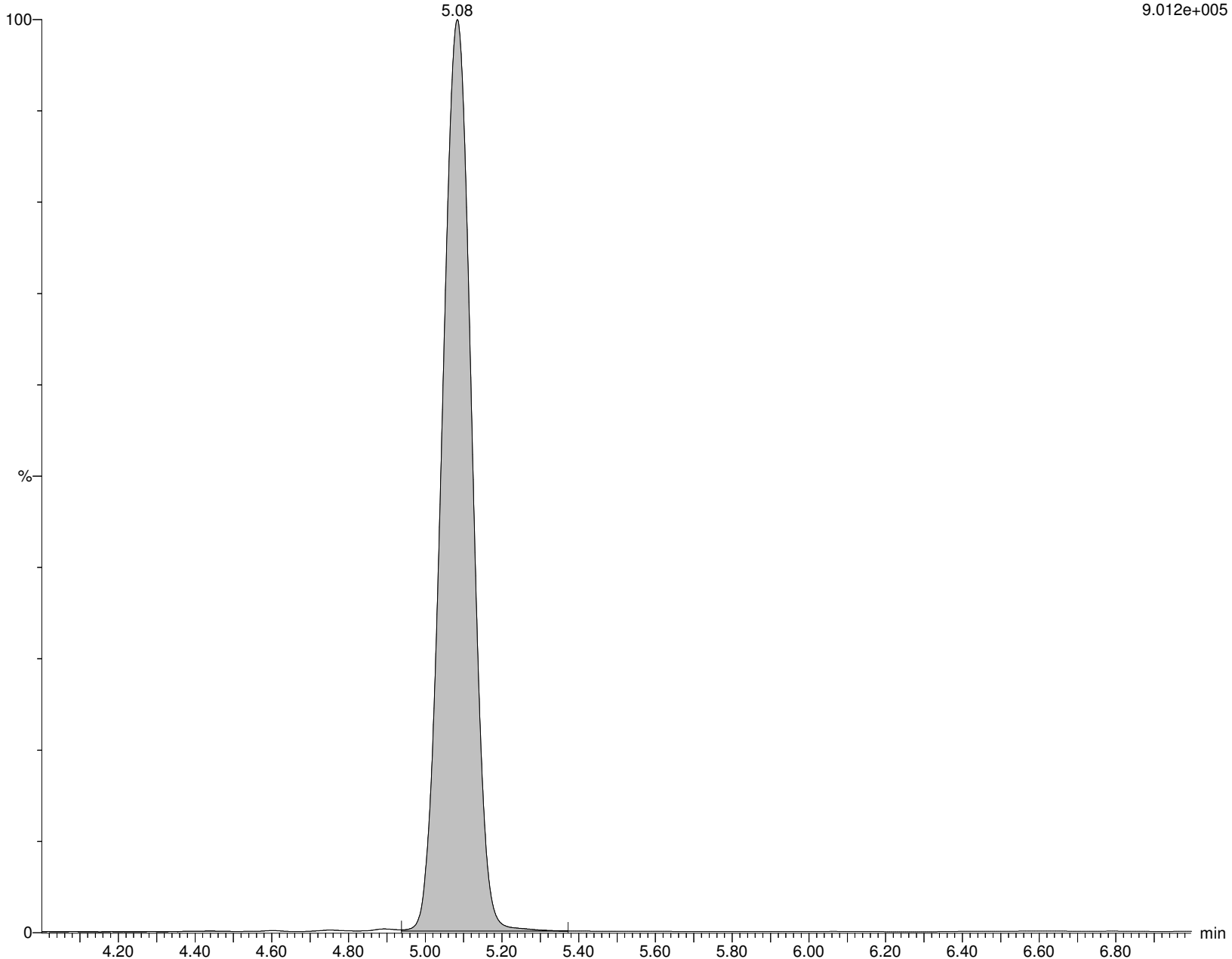
I18687 Smooth(Mn,7x7)

WG1337913,WG1334679,ICAL16305 WG1334679-2

F4:MRM of 1 channel,ES-

262.926 > 219.002

9.012e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18687 Smooth(Mn,10x10)

WG1337913,WG1334679,ICAL16305 WG1334679-2

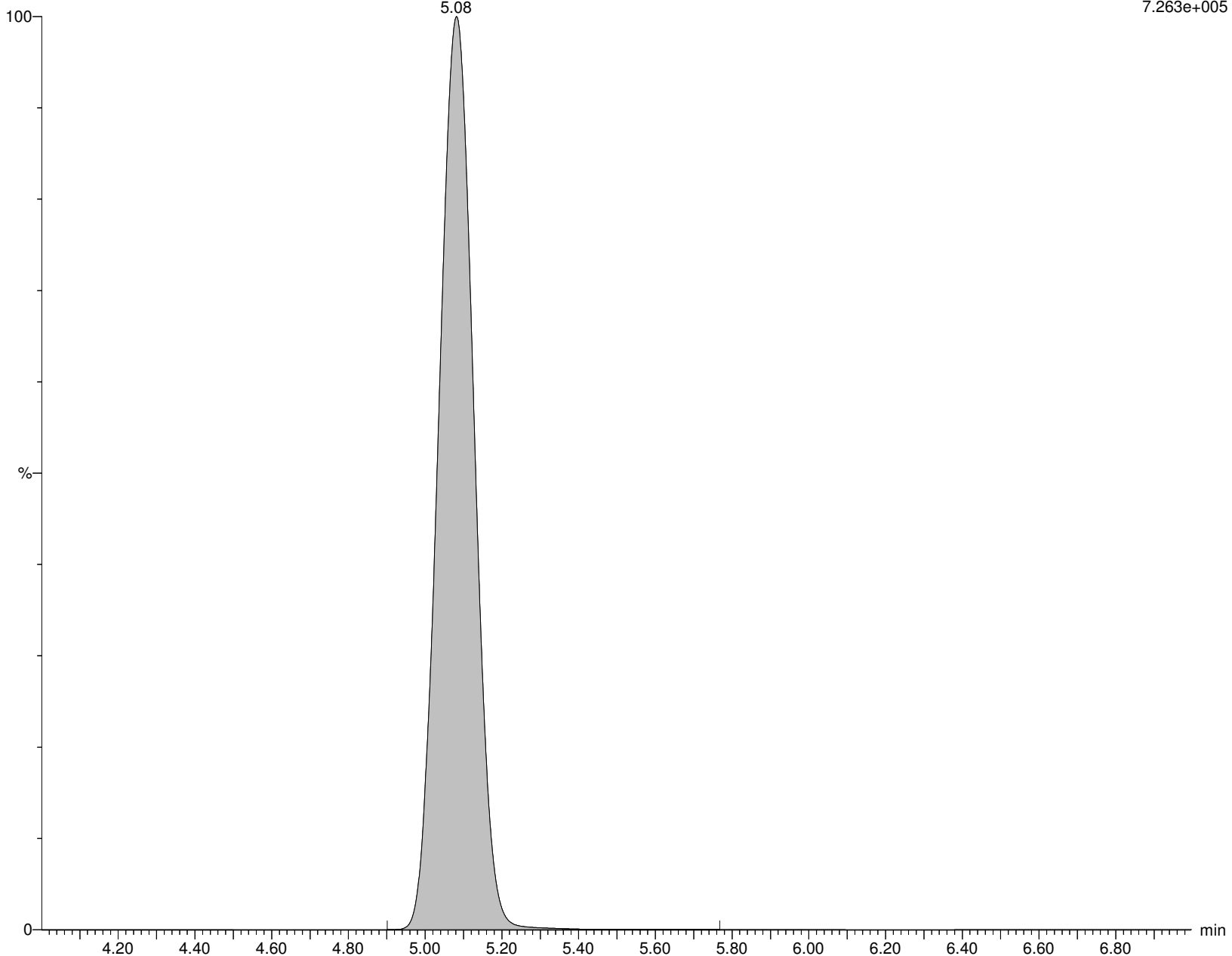
M5PFPEA

5.08

F5:MRM of 1 channel,ES-

267.989 > 223.081

7.263e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFBS**

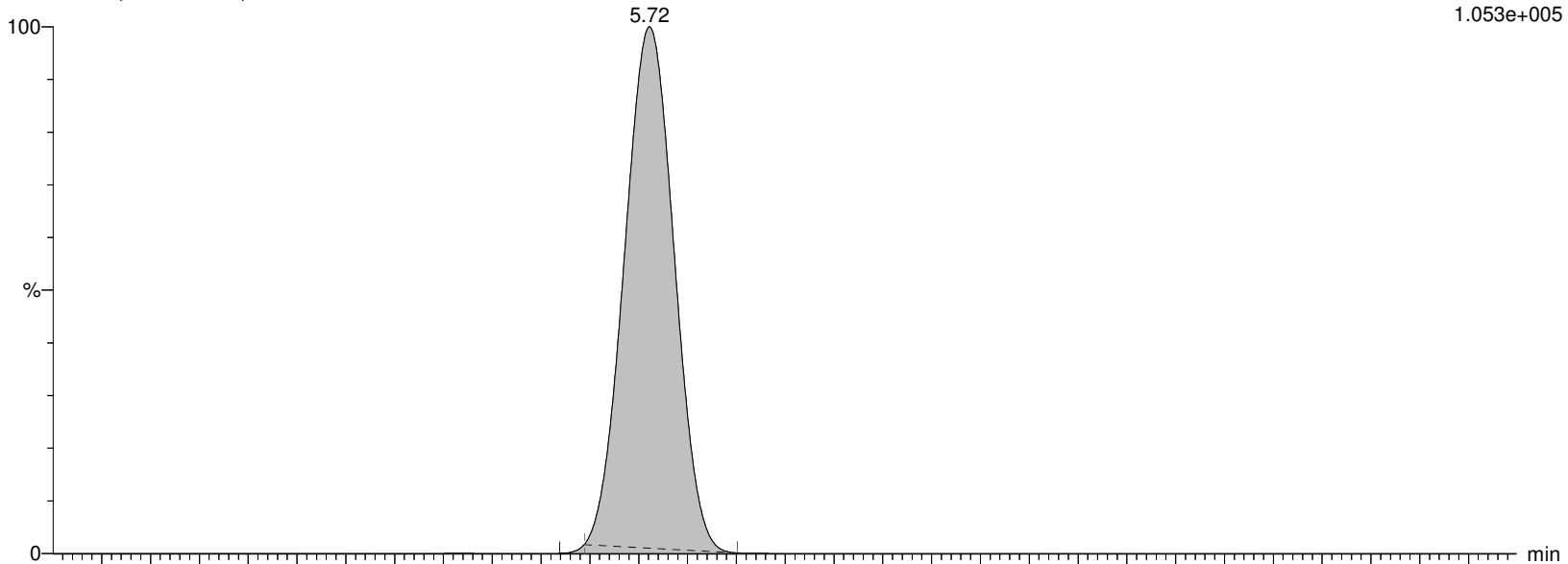
I18687 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F7:MRM of 2 channels, ES-

298.926 > 79.923

1.053e+005



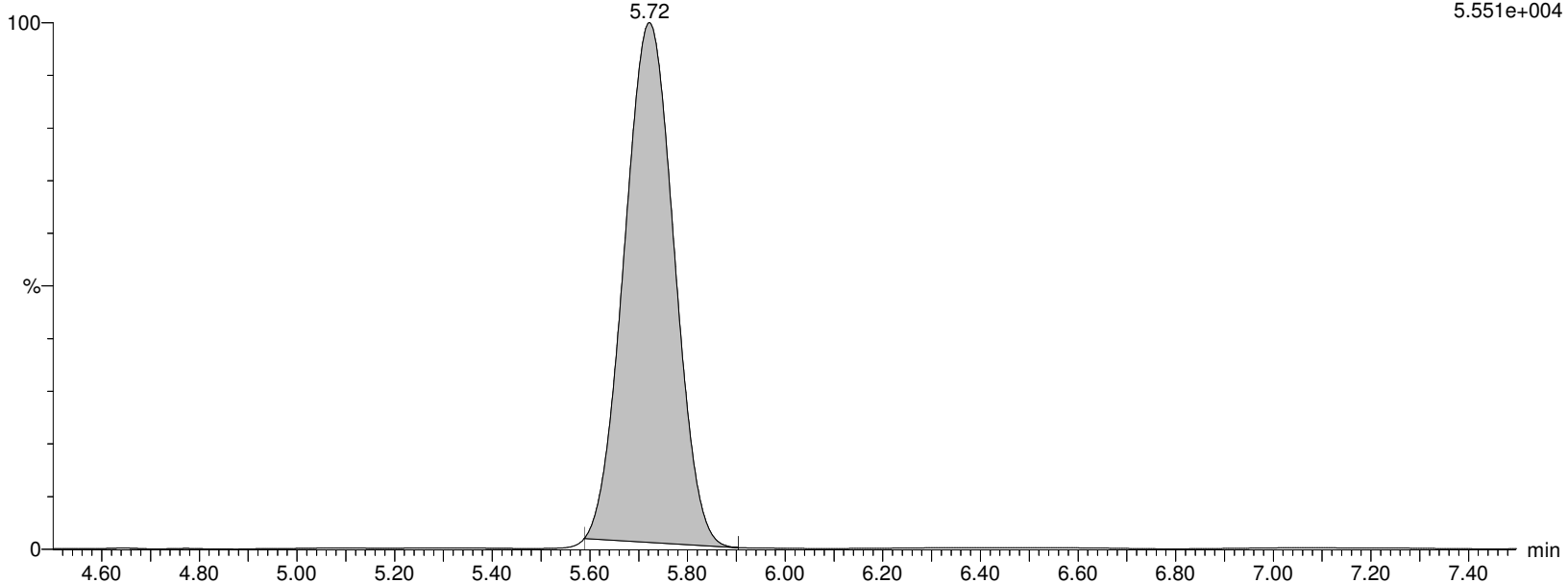
I18687 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F7:MRM of 2 channels, ES-

298.926 > 98.862

5.551e+004



Alpha Analytical Inc.

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Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

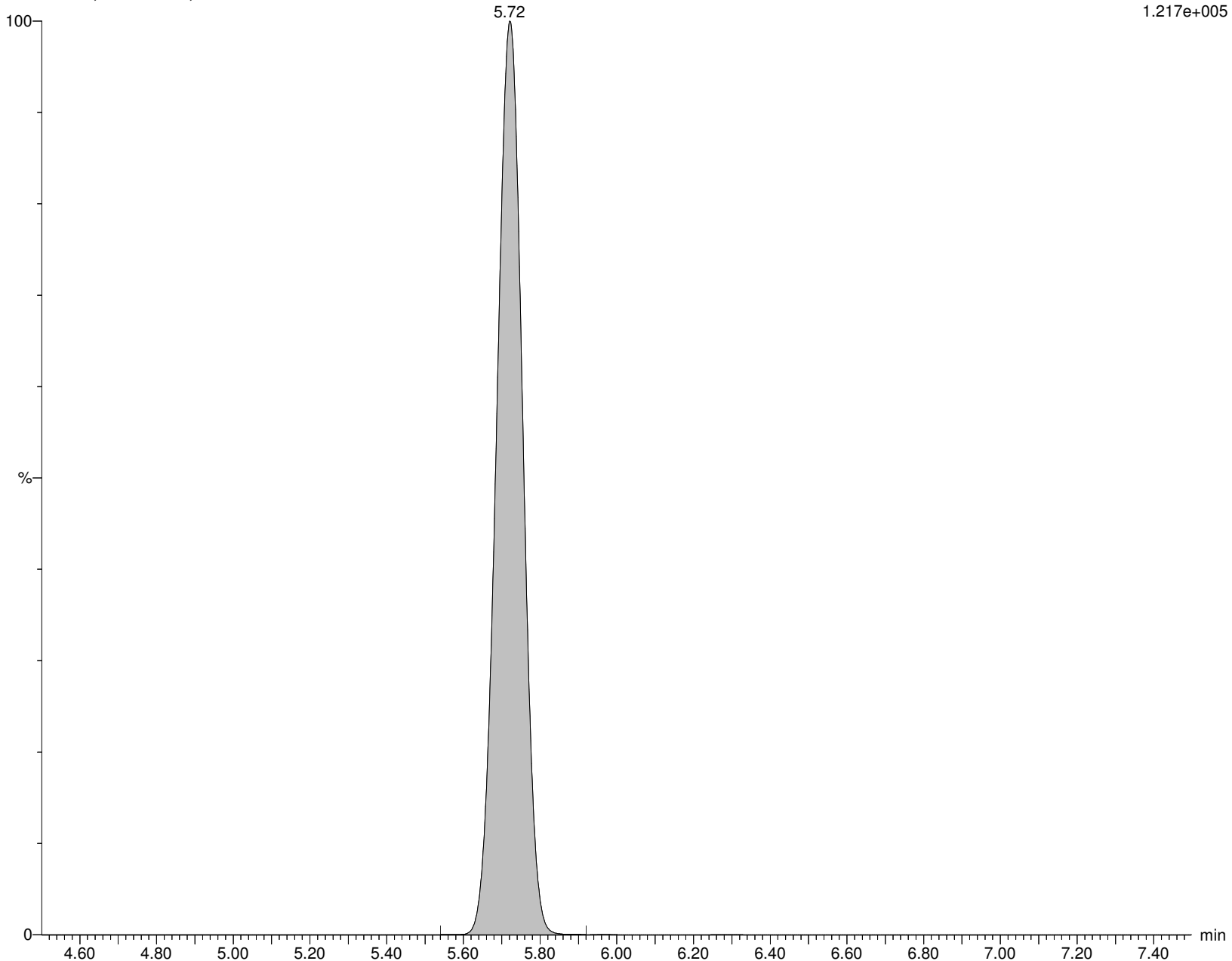
I18687 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.217e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****4:2FTS**

I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

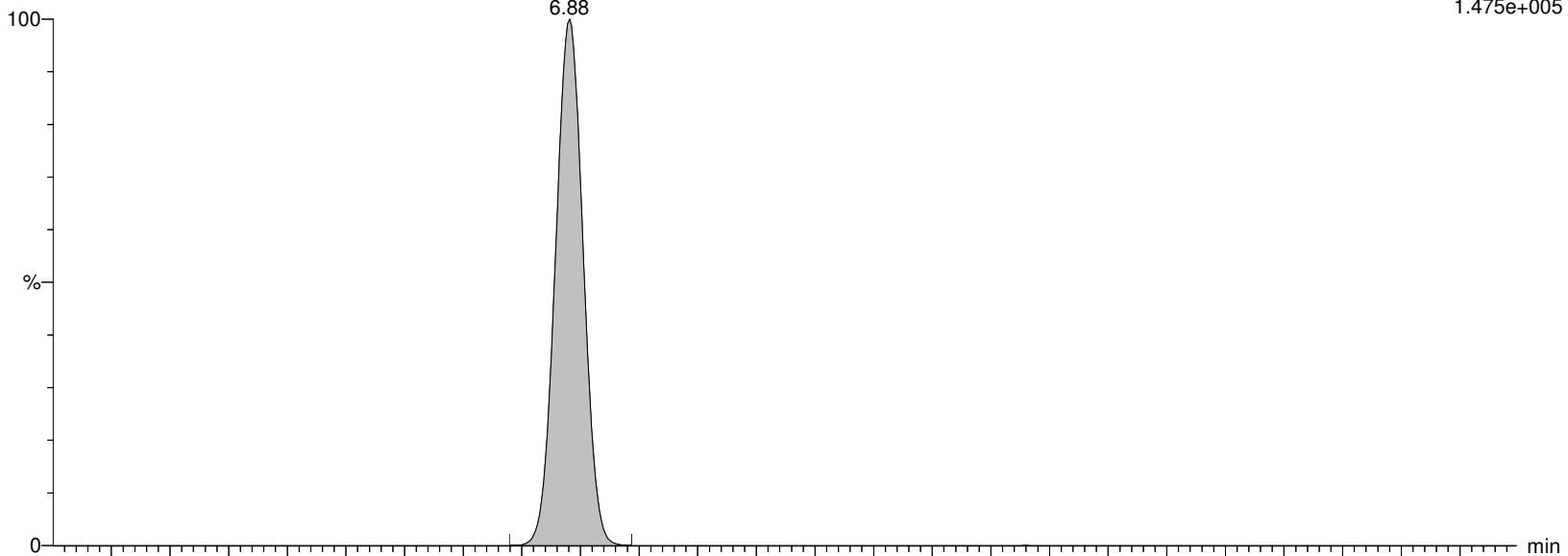
4:2FTS

6.88

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.475e+005



I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

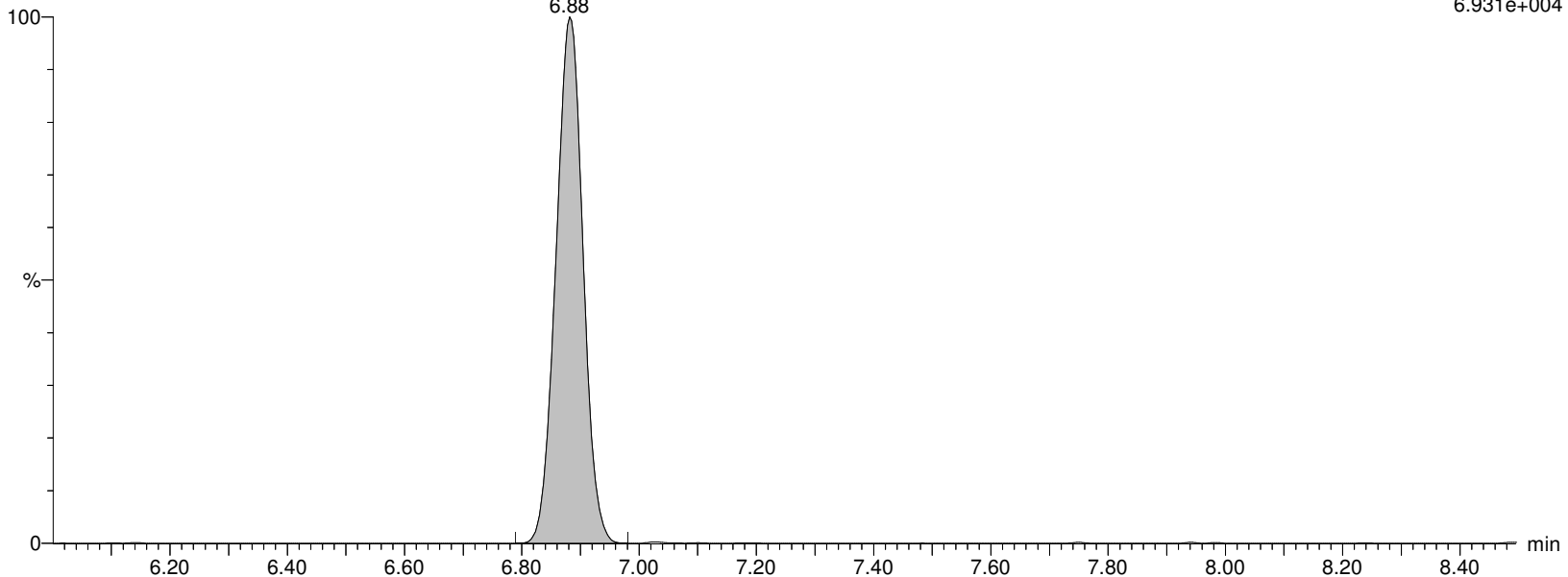
4:2FTS

6.88

F11:MRM of 2 channels, ES-

326.926 > 81.02

6.931e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

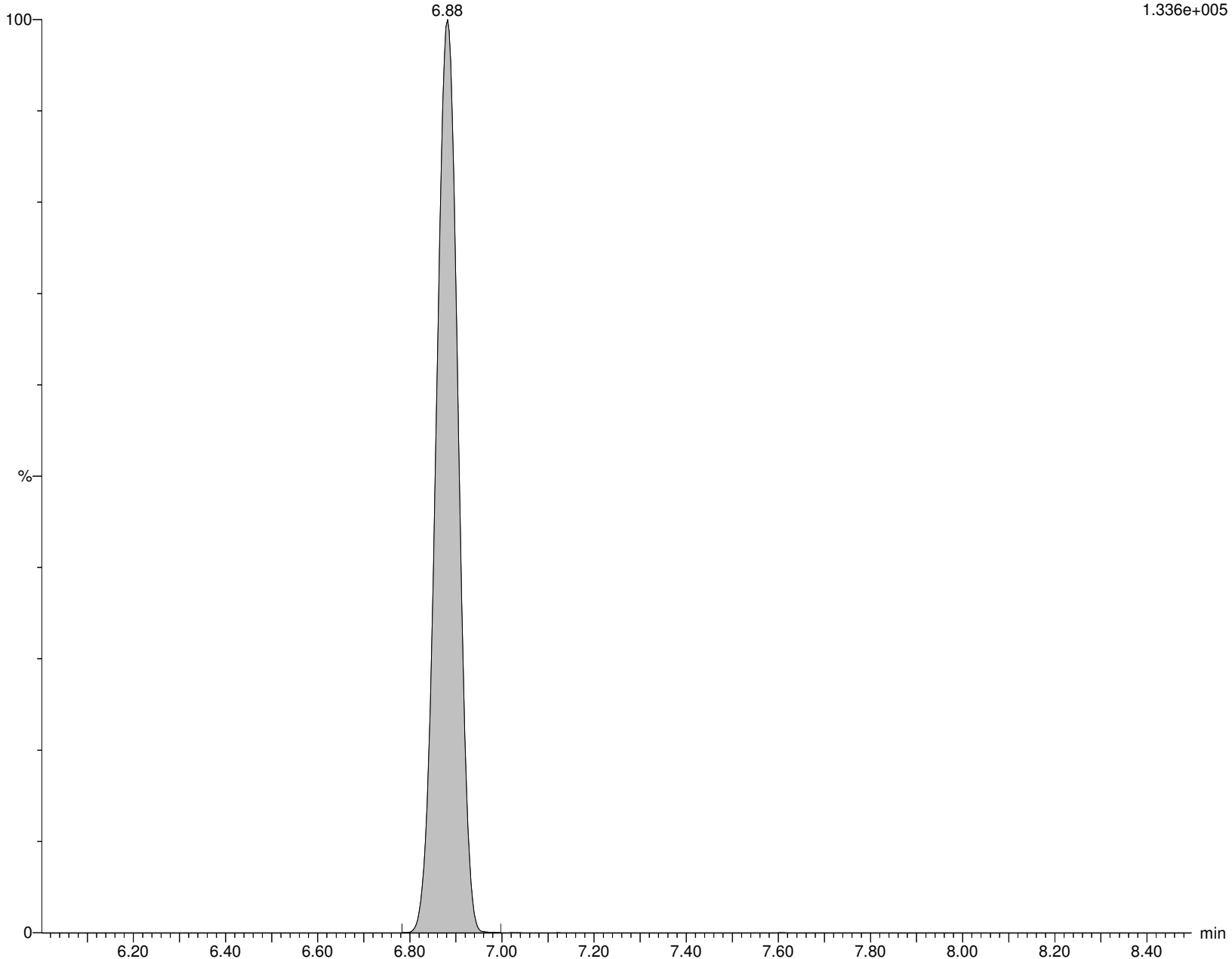
I18687 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-2 M2-4:2FTS

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.336e+005



Alpha Analytical Inc.

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxA**

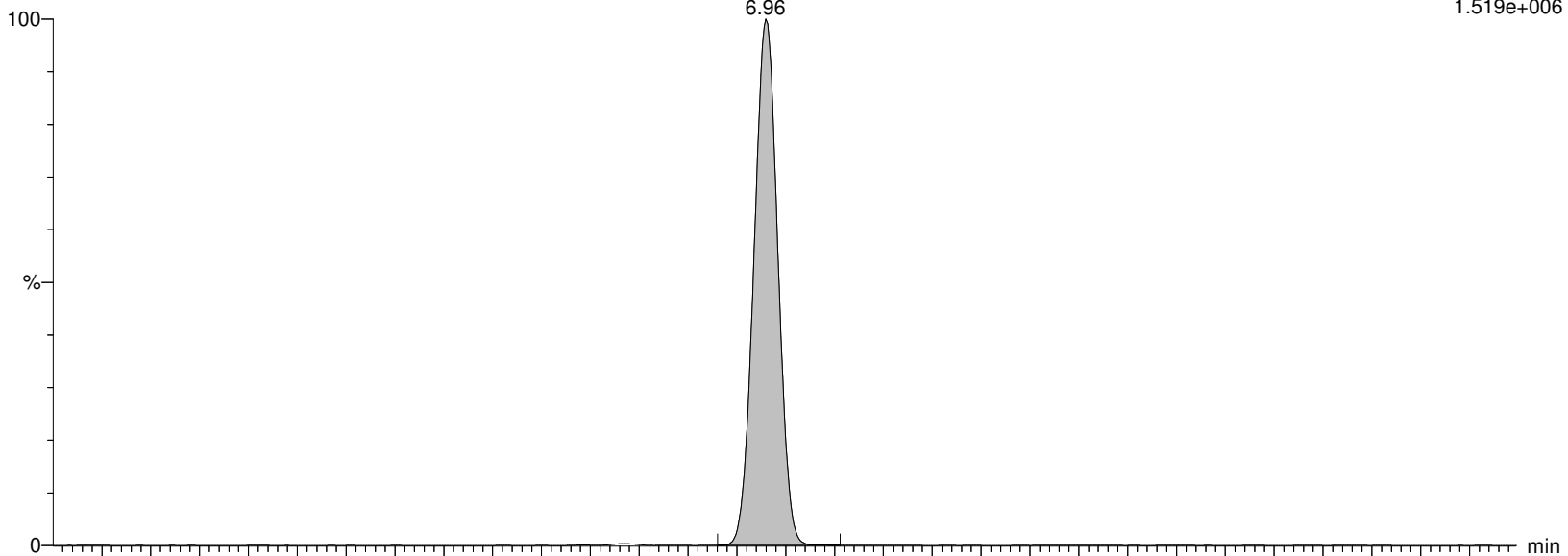
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.519e+006



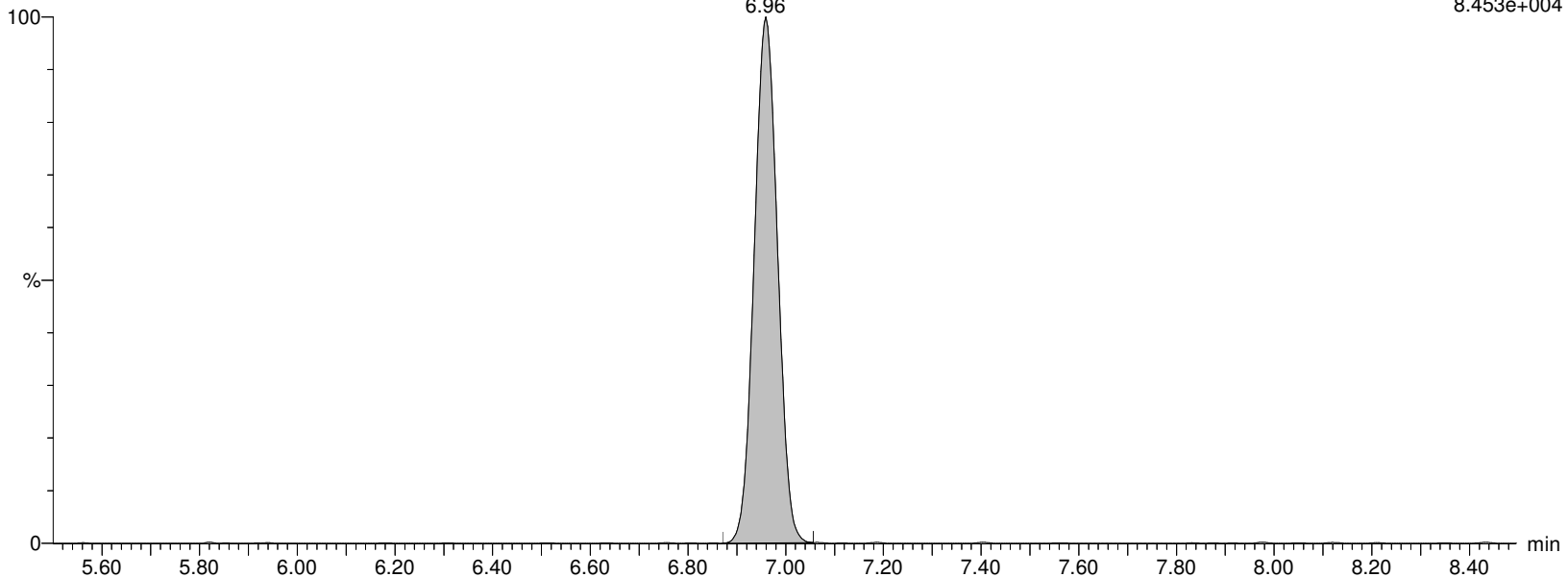
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F9:MRM of 2 channels, ES-

312.989 > 119.18

8.453e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

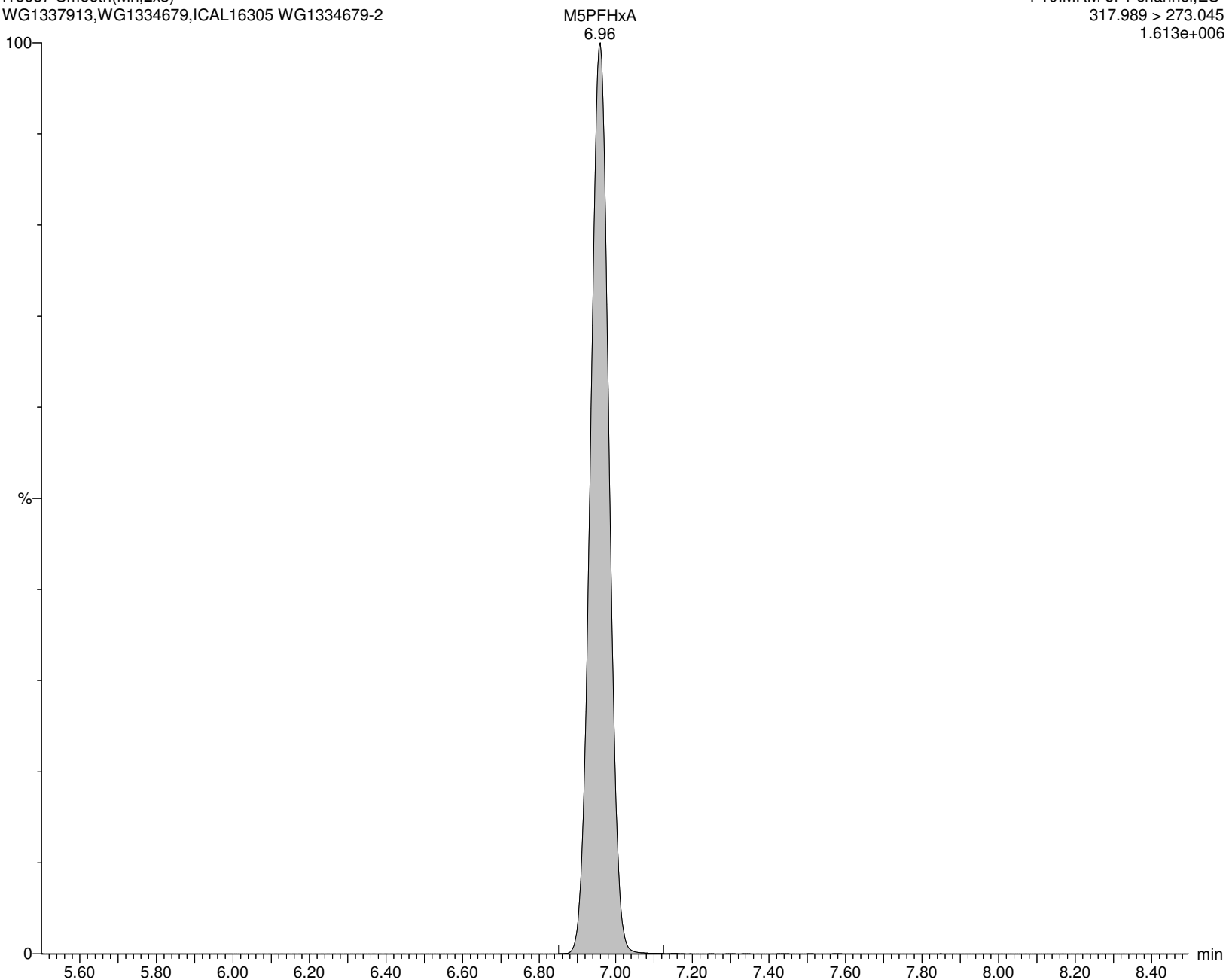
I18687 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-2

F10:MRM of 1 channel,ES-

317.989 > 273.045

1.613e+006



Alpha Analytical Inc.

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeS**

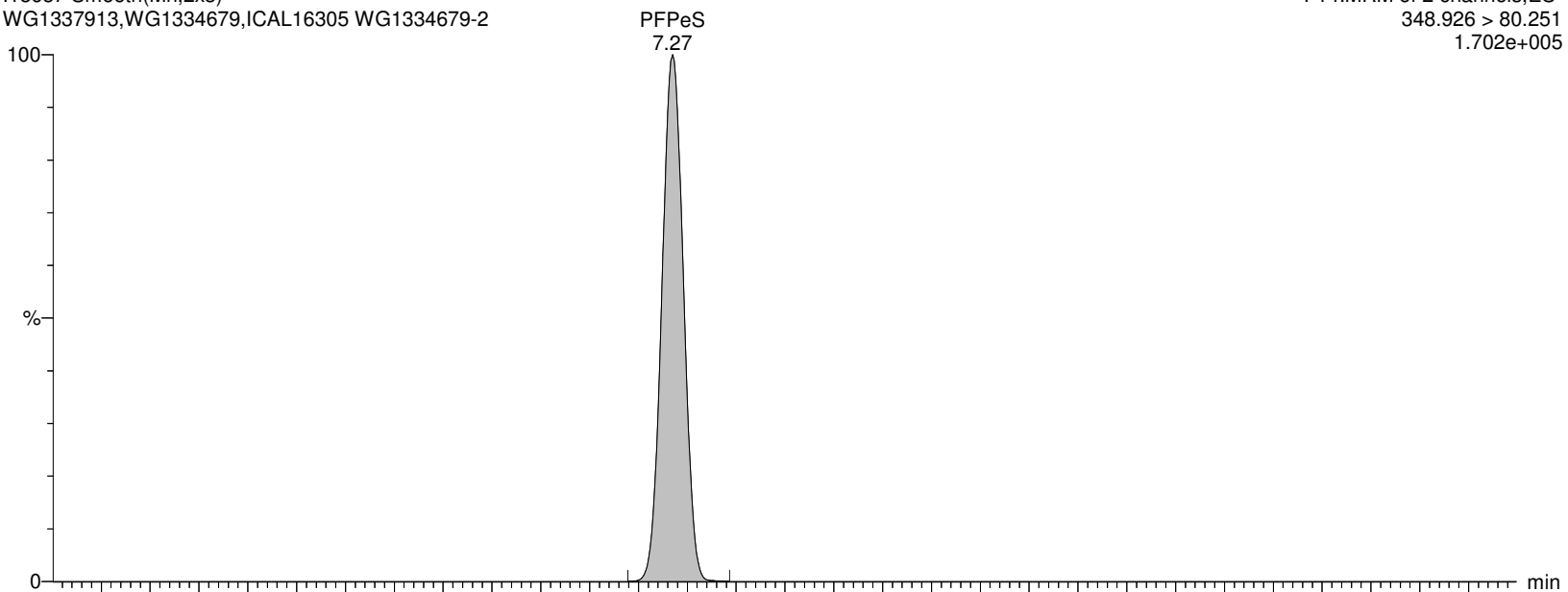
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F14:MRM of 2 channels, ES-

348.926 > 80.251

1.702e+005



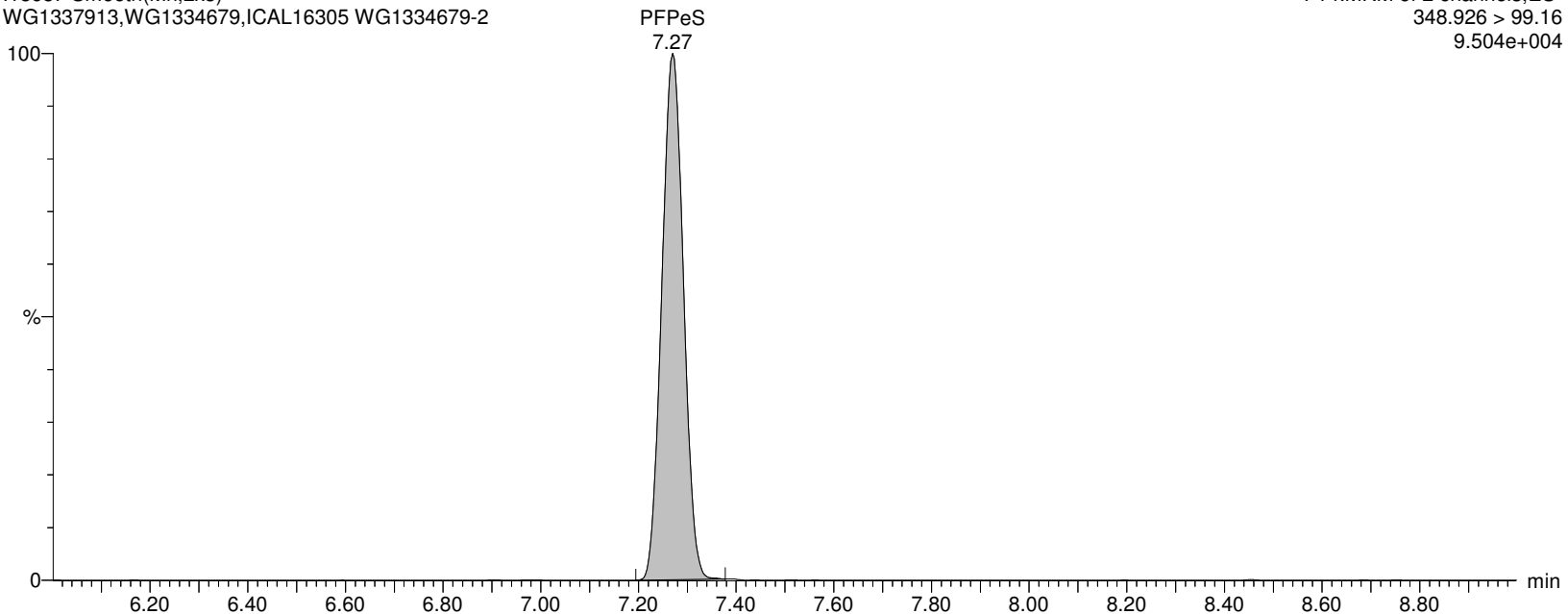
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F14:MRM of 2 channels, ES-

348.926 > 99.16

9.504e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

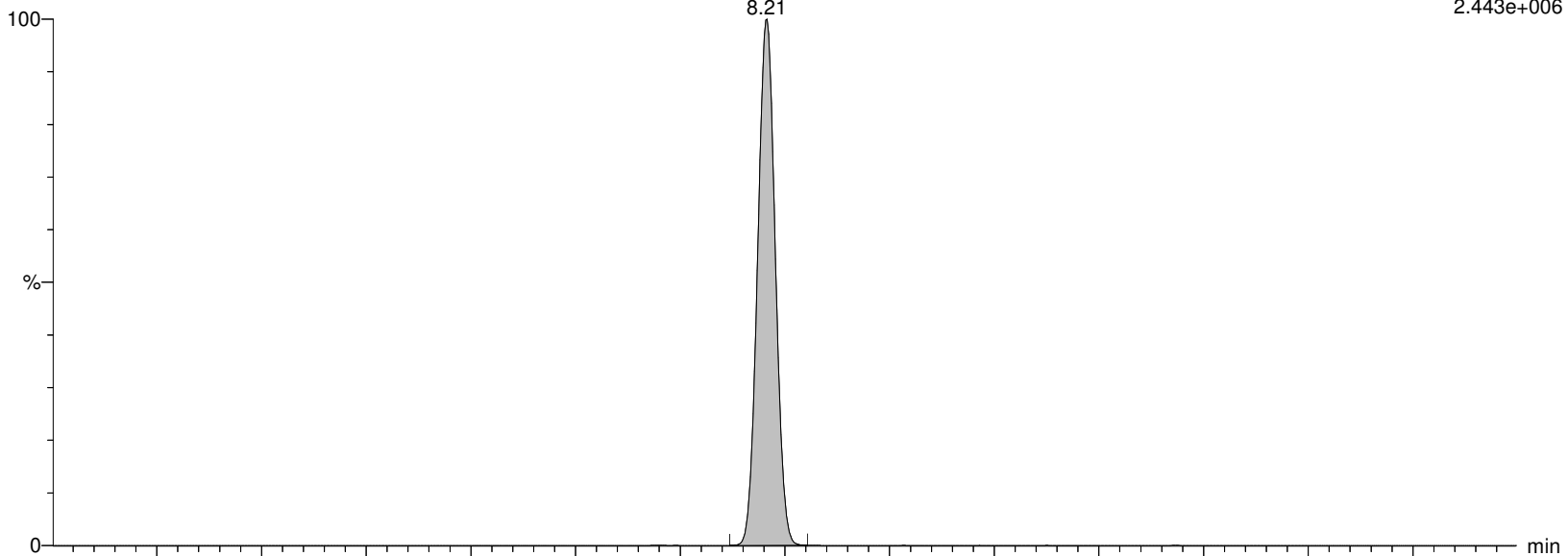
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F15:MRM of 2 channels, ES-

362.926 > 319.014

2.443e+006



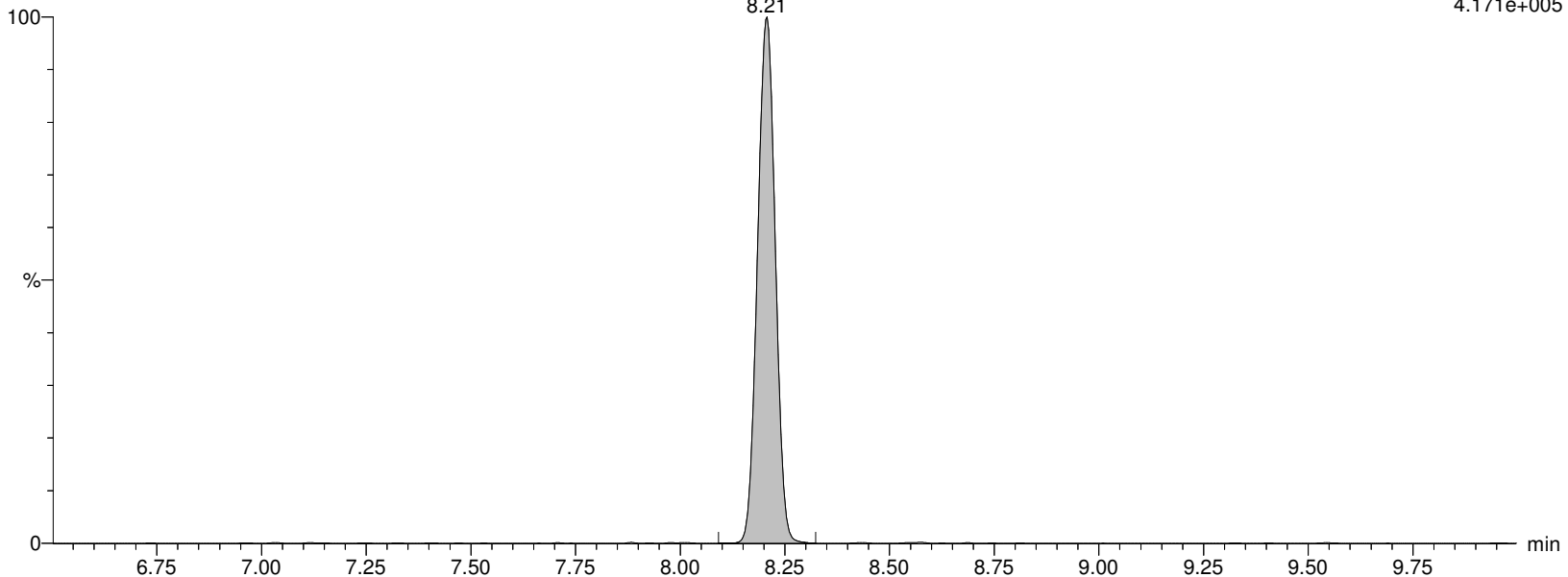
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F15:MRM of 2 channels, ES-

362.926 > 169.12

4.171e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

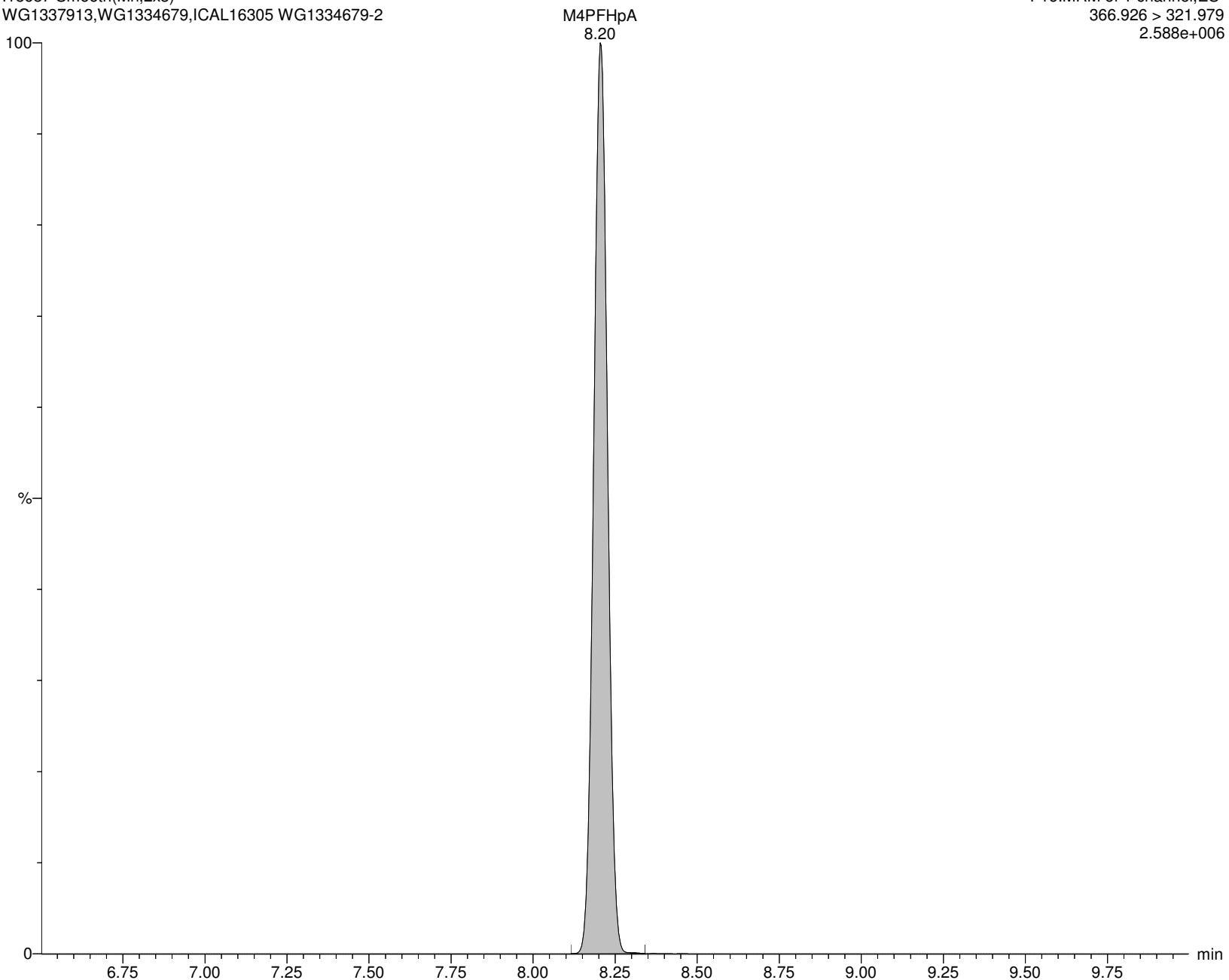
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F16:MRM of 1 channel, ES-

366.926 > 321.979

2.588e+006



Alpha Analytical Inc.

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-PFHxS**

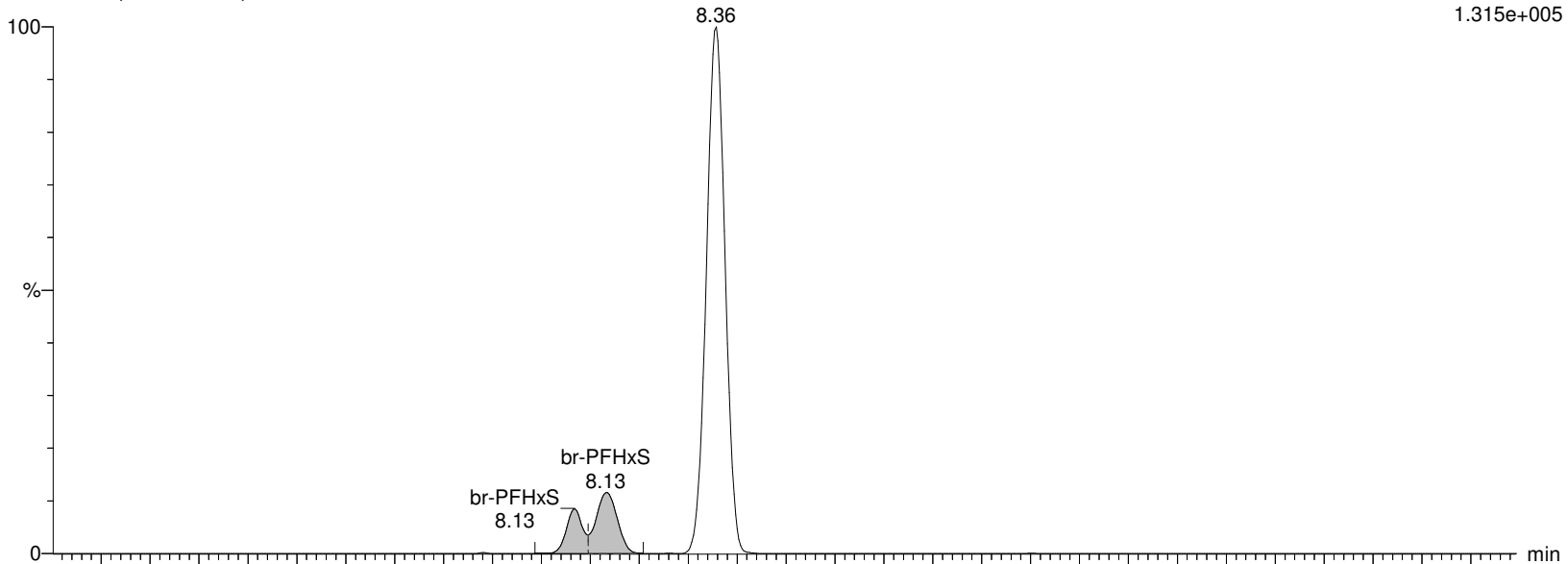
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.315e+005



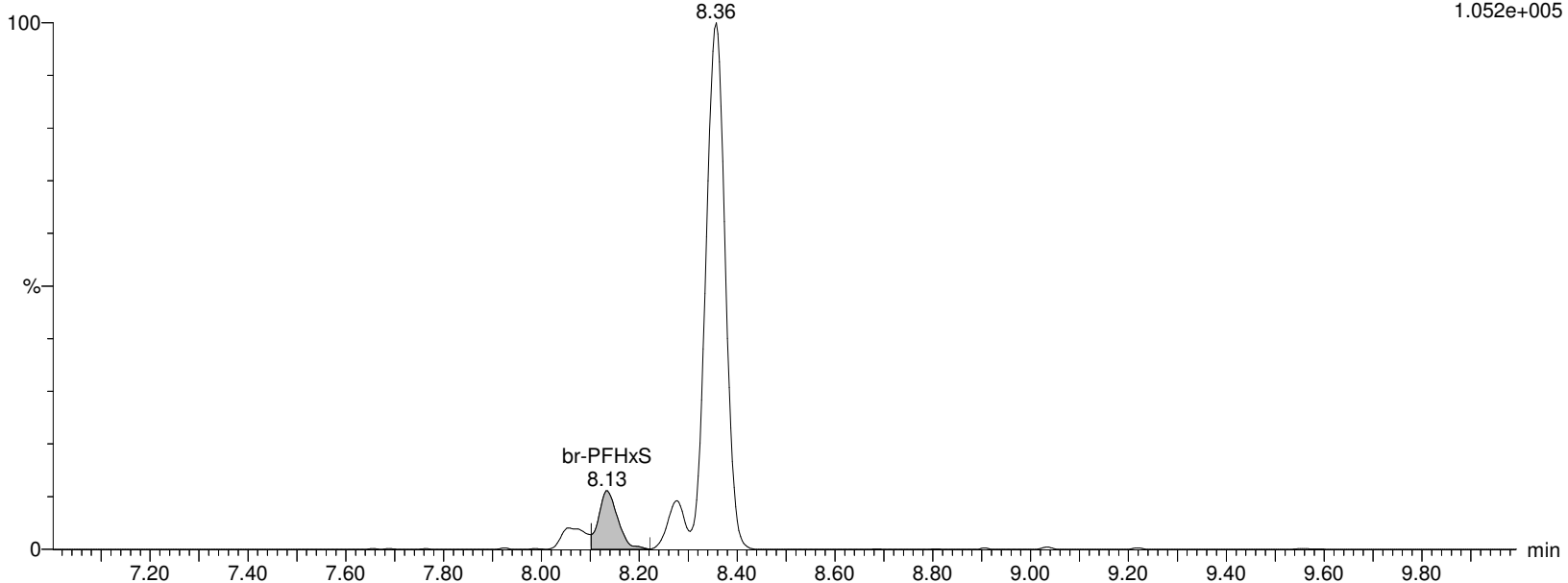
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.052e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

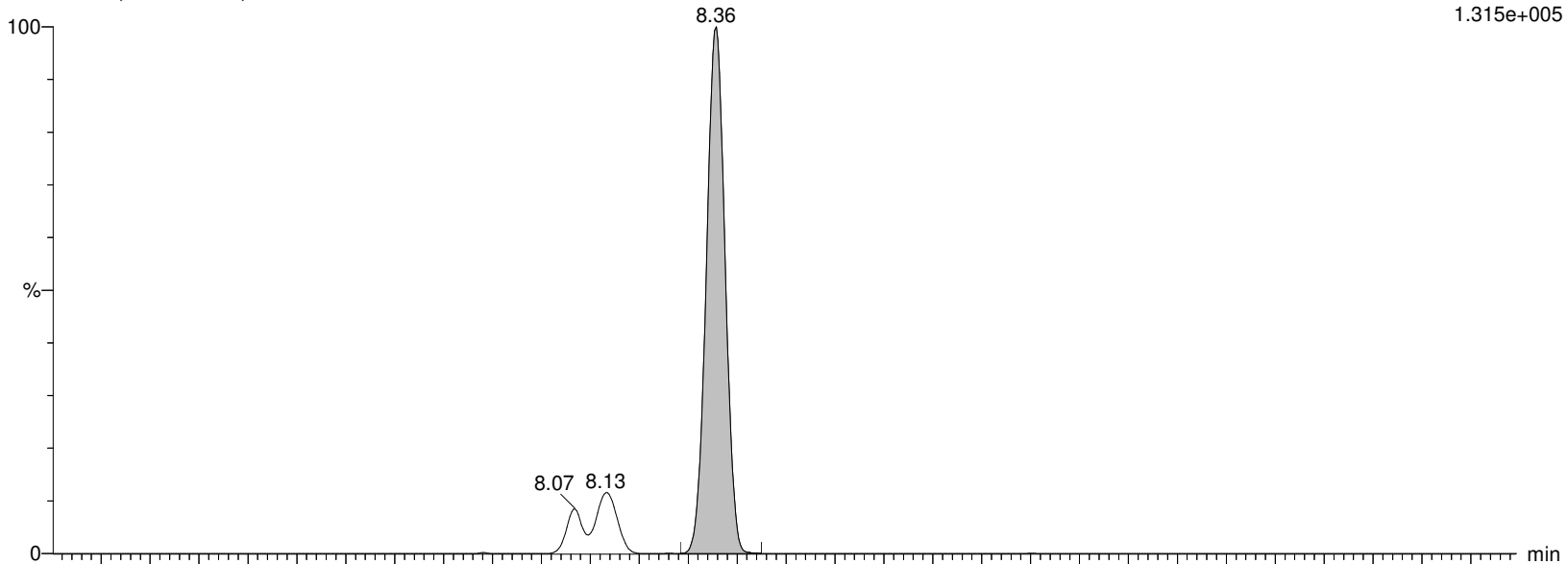
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.315e+005



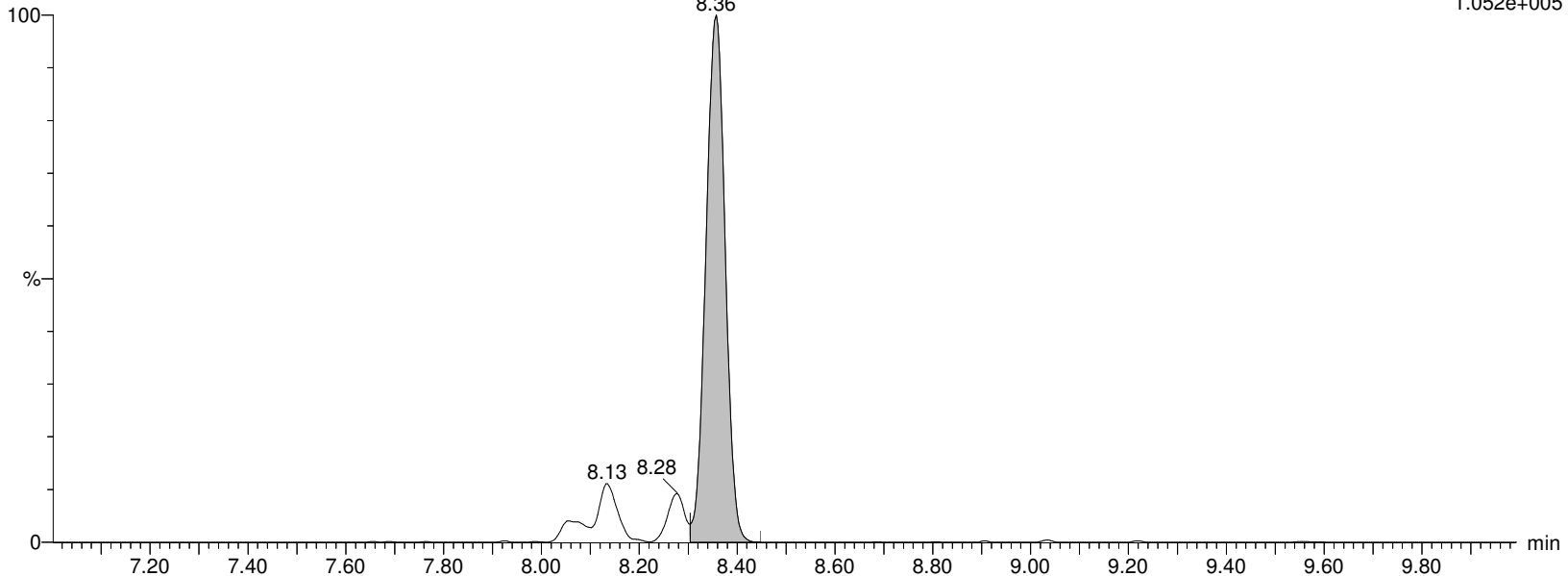
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.052e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

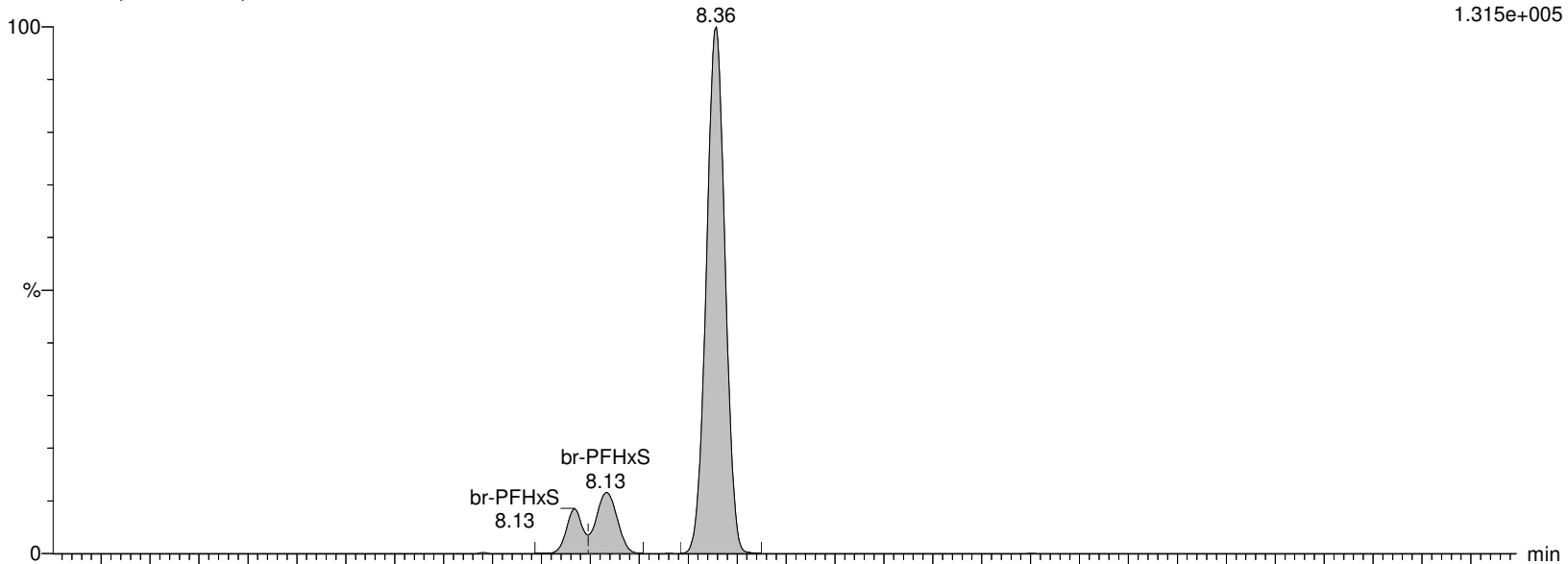
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.315e+005



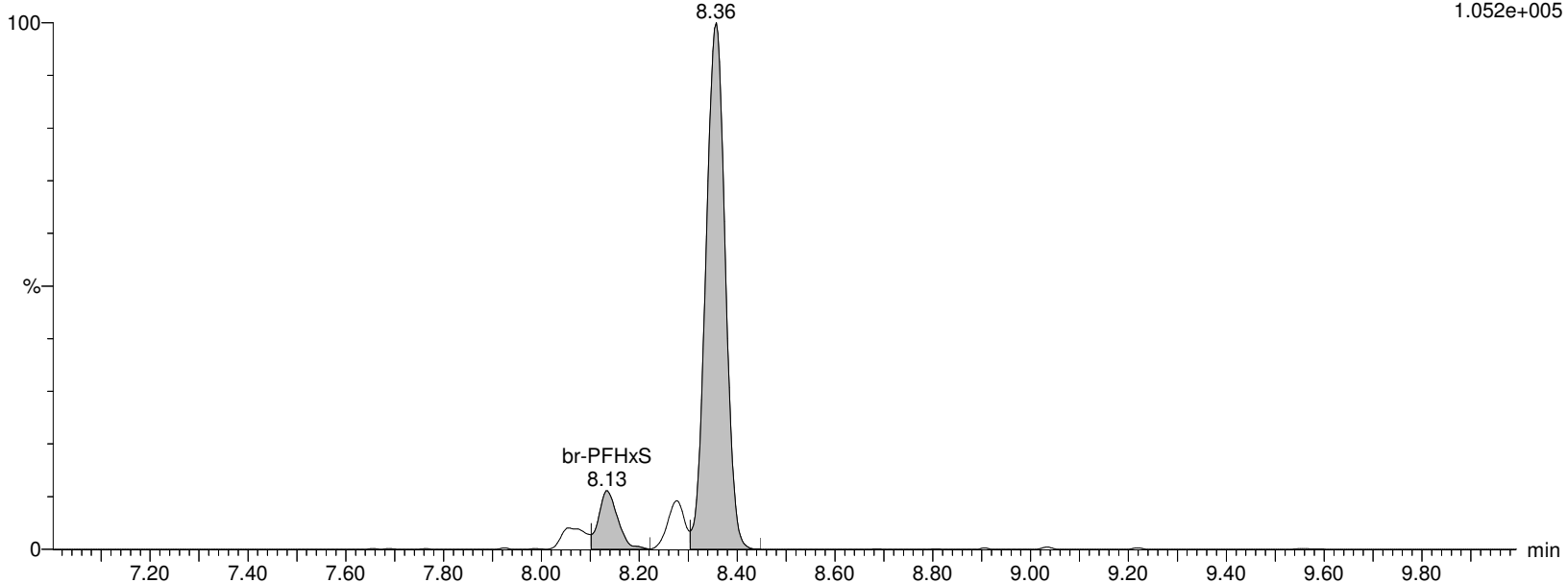
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.052e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

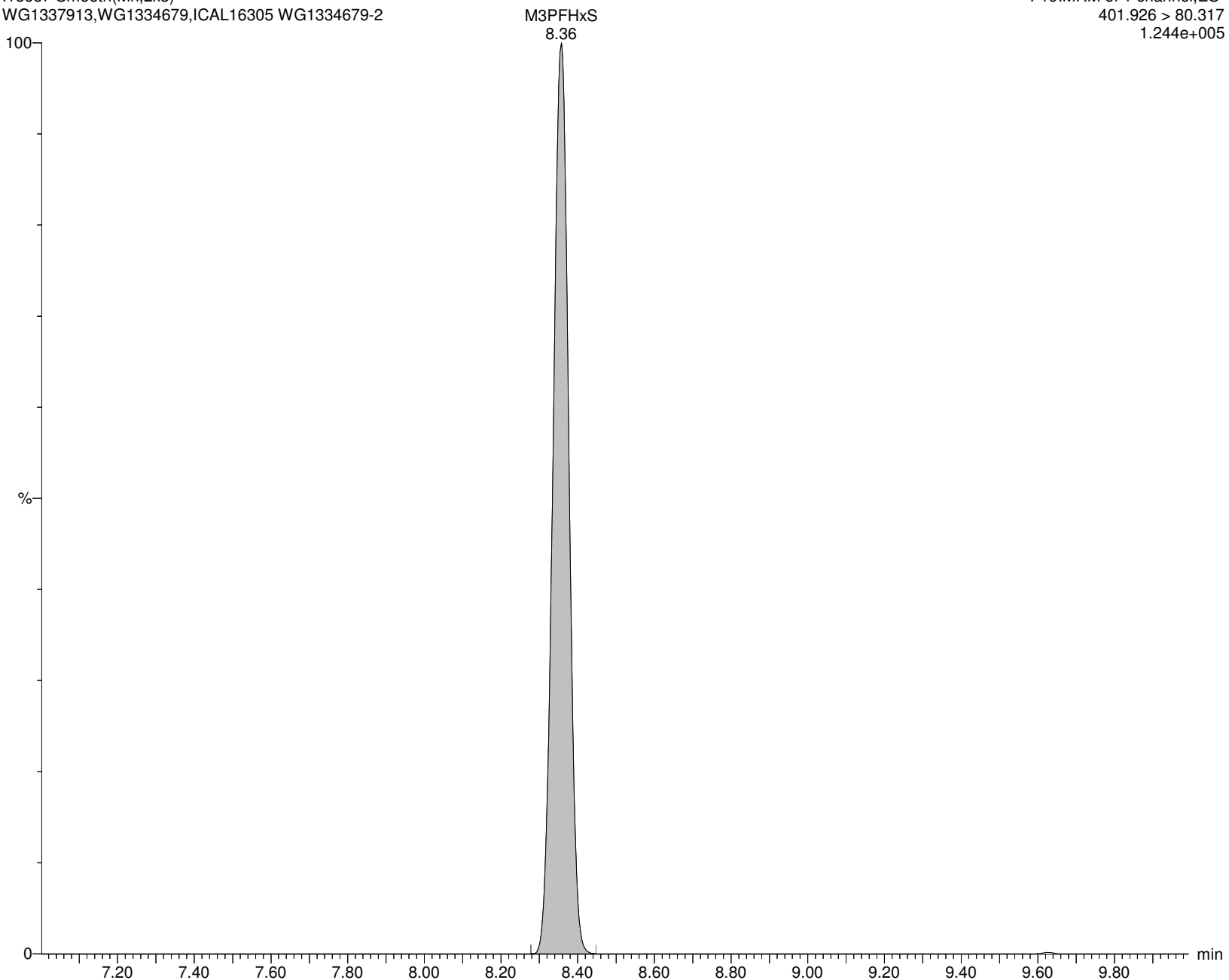
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.244e+005



Alpha Analytical Inc.

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Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

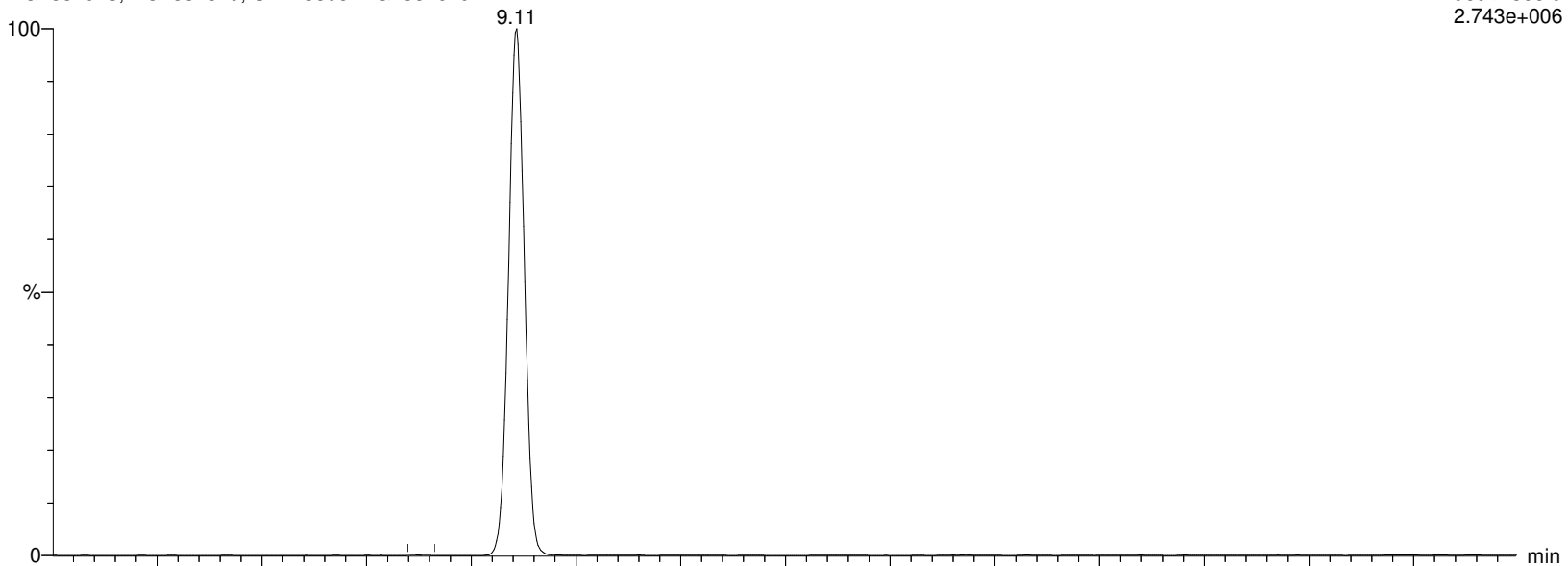
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.743e+006



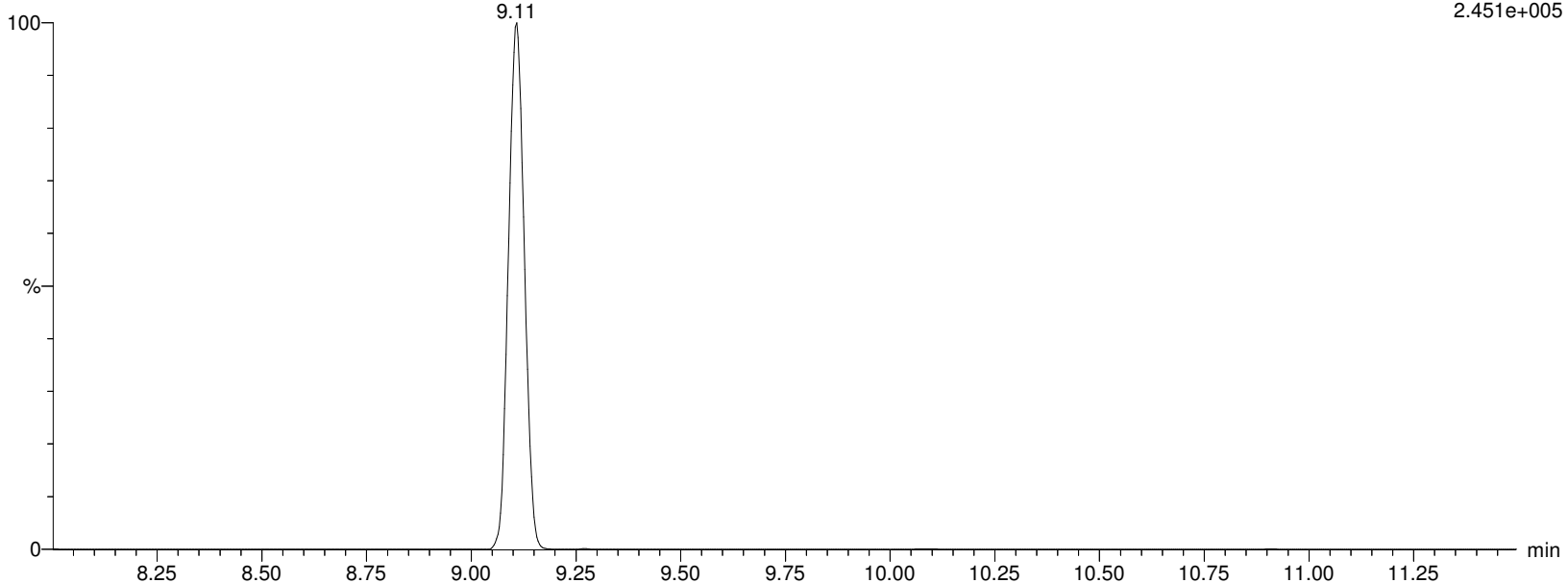
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.451e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

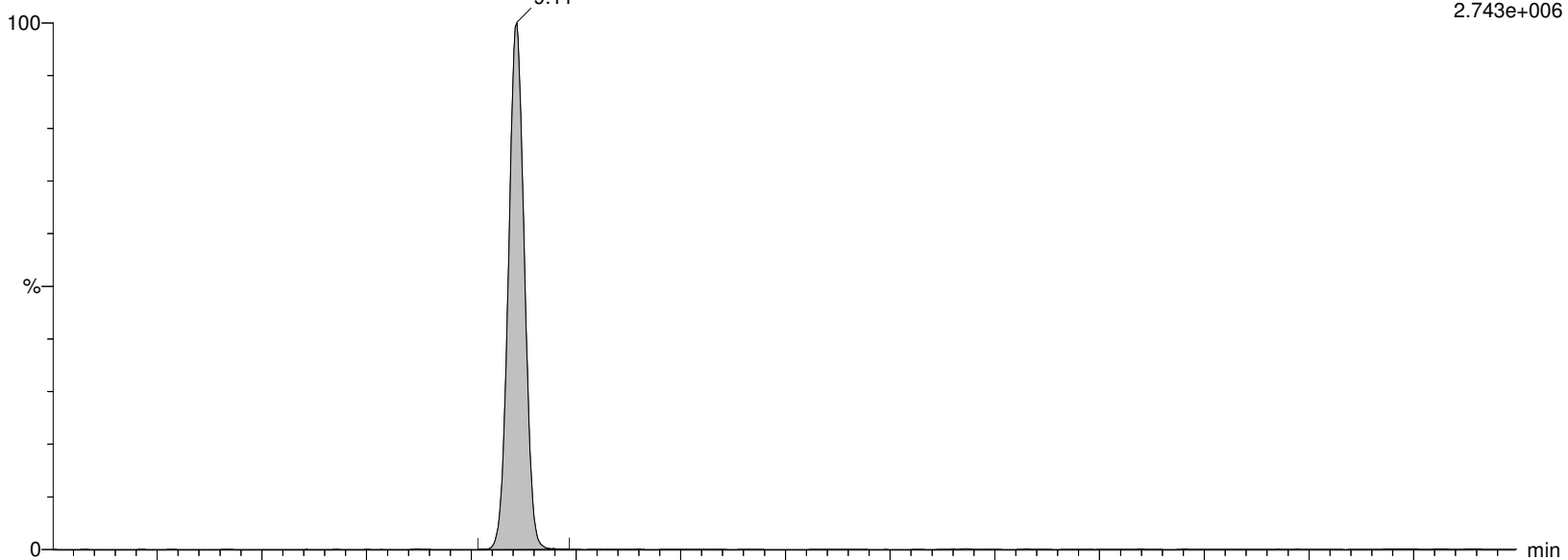
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

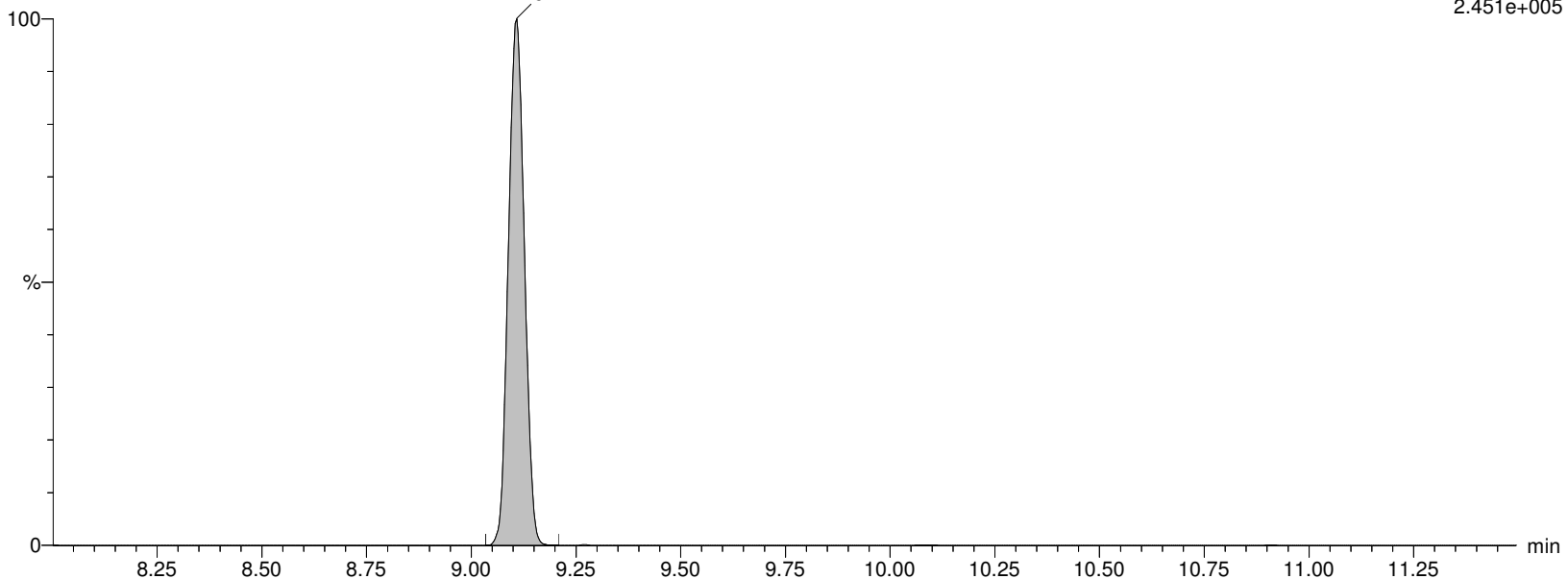
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

L-PFOA
9.11F20:MRM of 2 channels, ES-
412.989 > 368.9
2.743e+006

I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

L-PFOA
9.11F20:MRM of 2 channels, ES-
412.989 > 219.08
2.451e+005

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

I18687 Smooth(Mn,2x2)

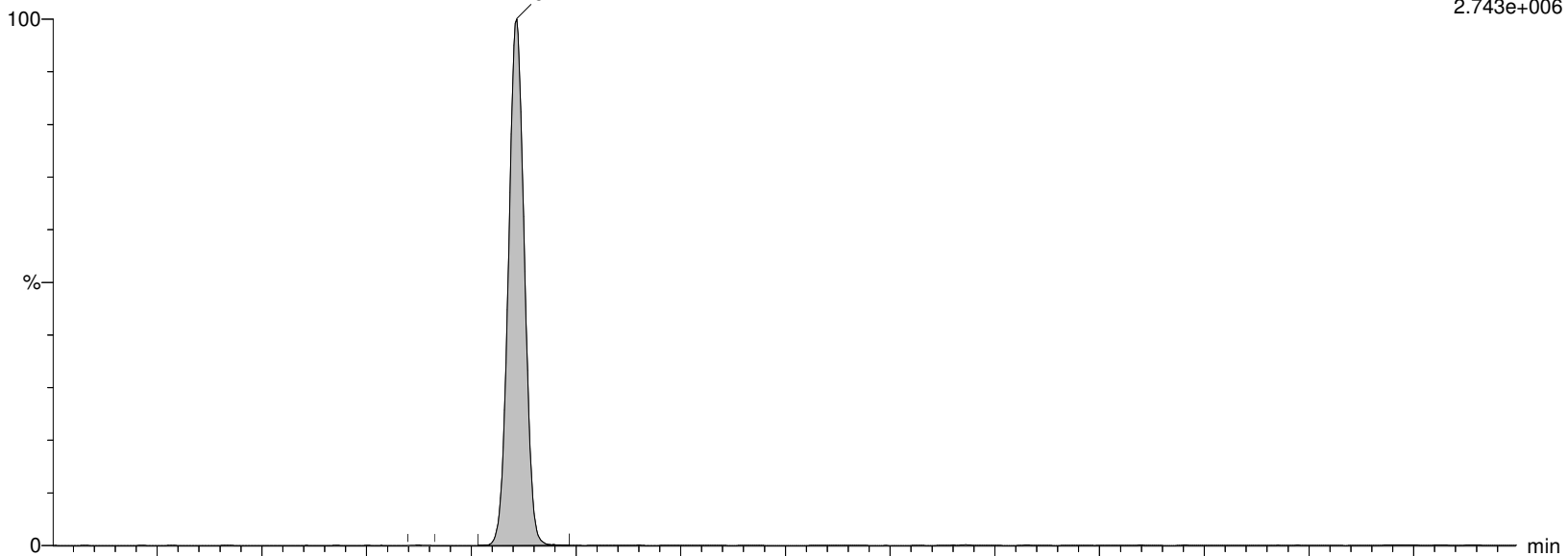
WG1337913, WG1334679, ICAL16305 WG1334679-2

L-PFOA
9.11

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.743e+006



I18687 Smooth(Mn,2x2)

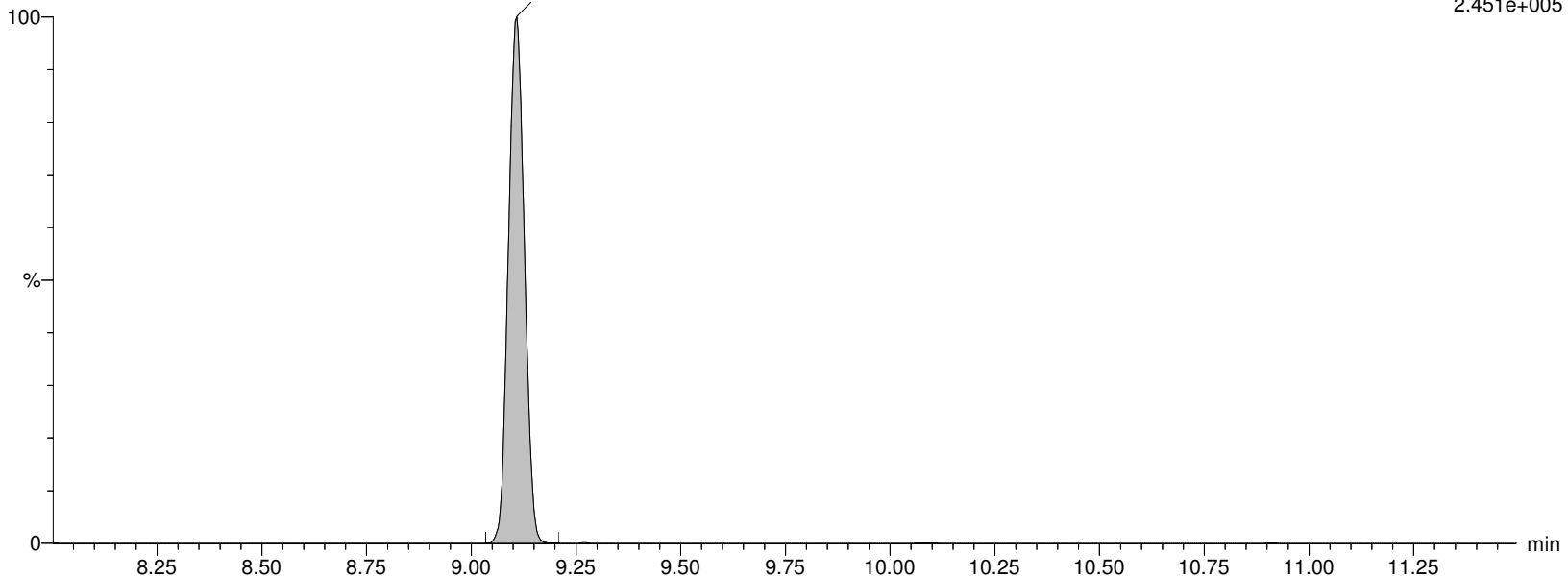
WG1337913, WG1334679, ICAL16305 WG1334679-2

L-PFOA
9.11

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.451e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I18687 Smooth(Mn,2x3)

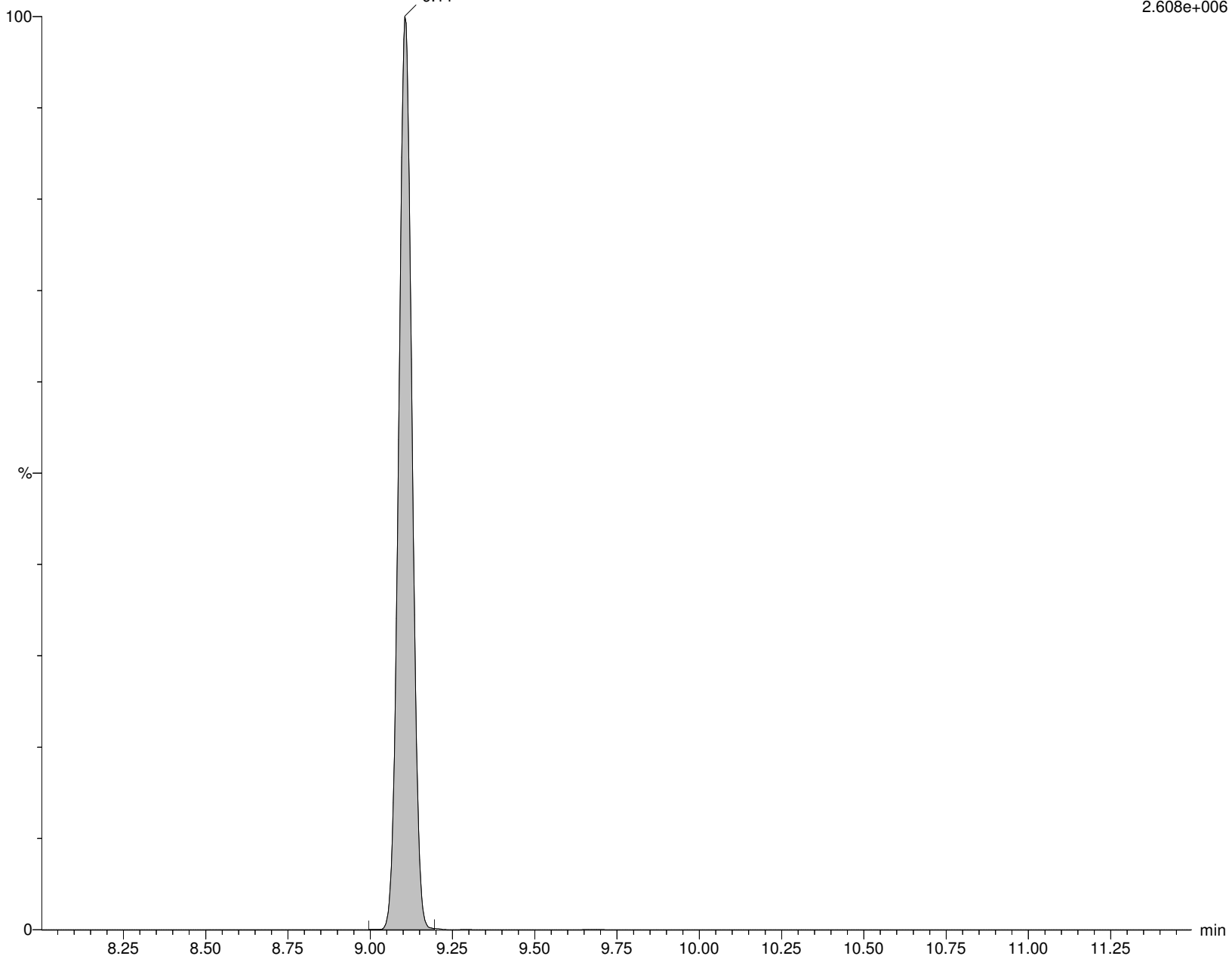
WG1337913, WG1334679, ICAL16305 WG1334679-2

M8PFOA
9.11

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.608e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18687 Smooth(Mn,2x2)

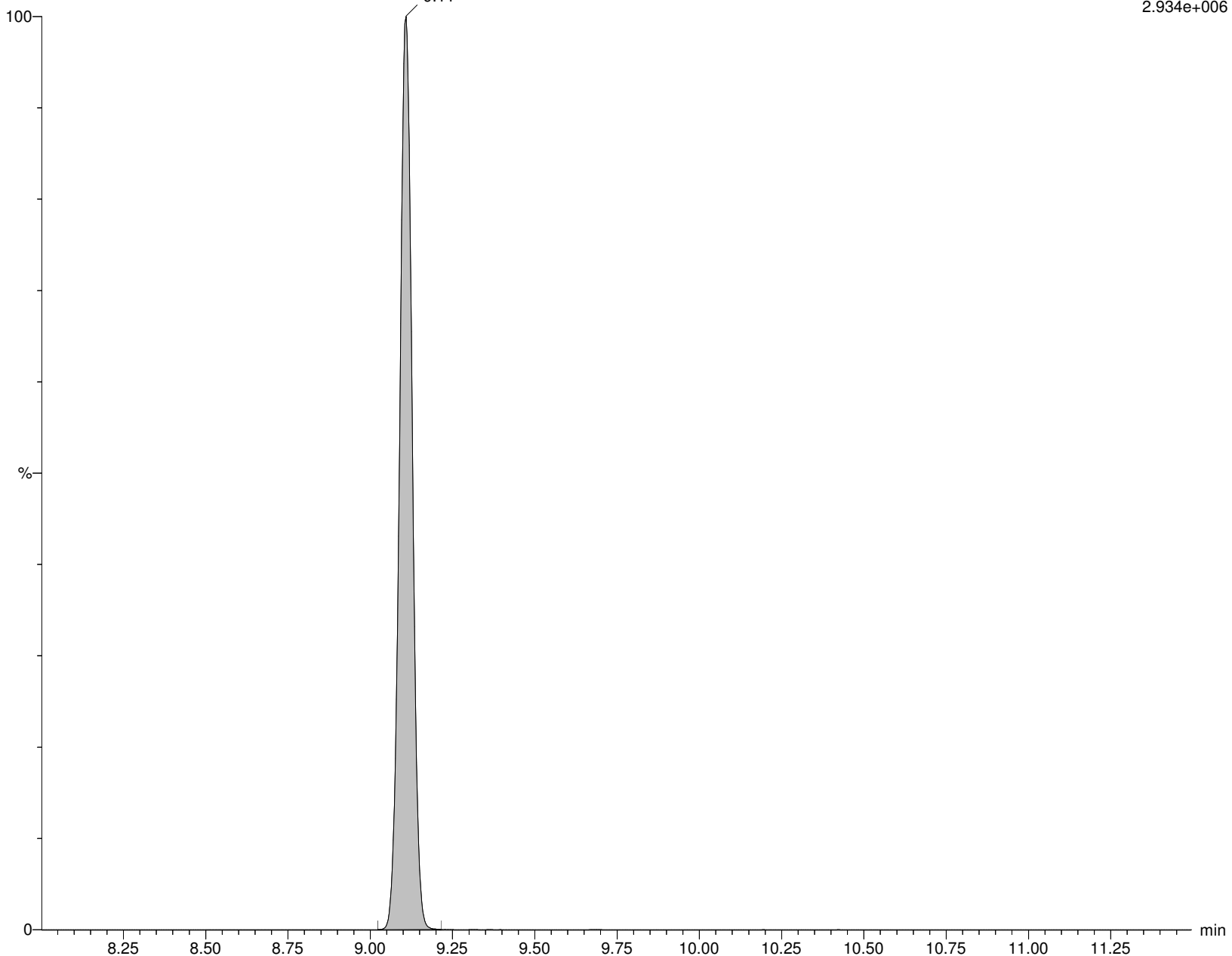
WG1337913, WG1334679, ICAL16305 WG1334679-2

M2PFOA
9.11

F21:MRM of 1 channel, ES-

415.032 > 369.968

2.934e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

I18687 Smooth(Mn,2x3)

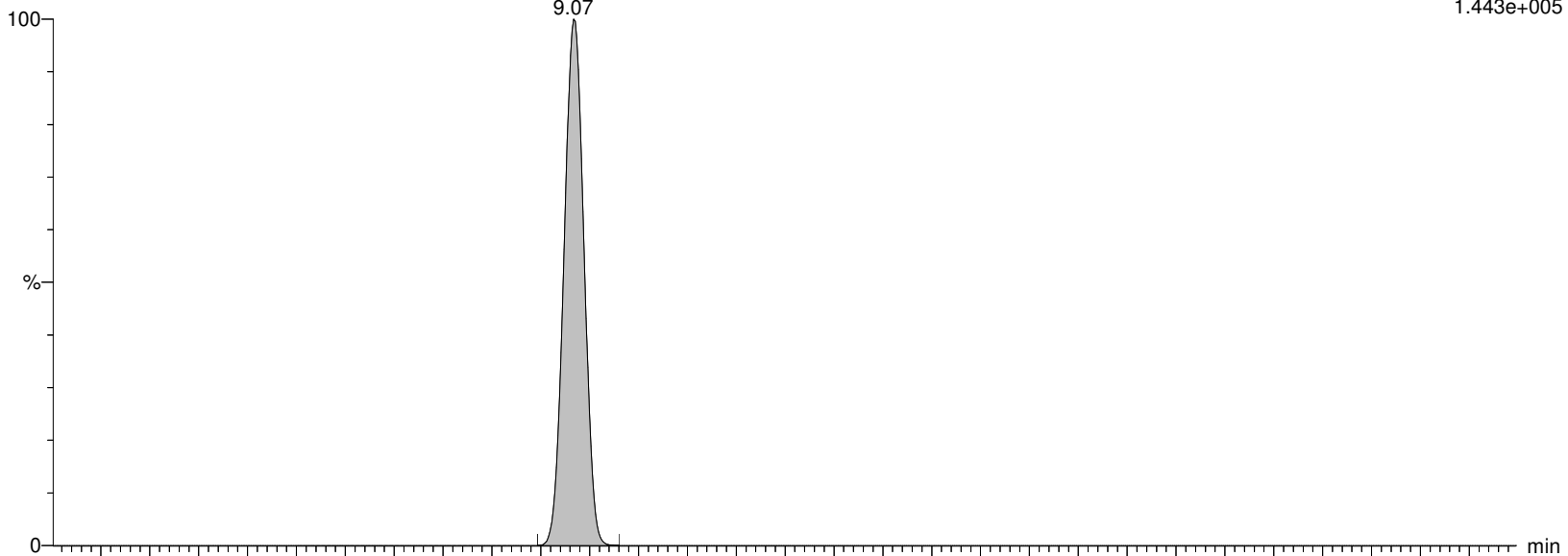
WG1337913, WG1334679, ICAL16305 WG1334679-2

6:2FTS
9.07

F23:MRM of 3 channels, ES-

426.989 > 406.921

1.443e+005



I18687 Smooth(Mn,2x3)

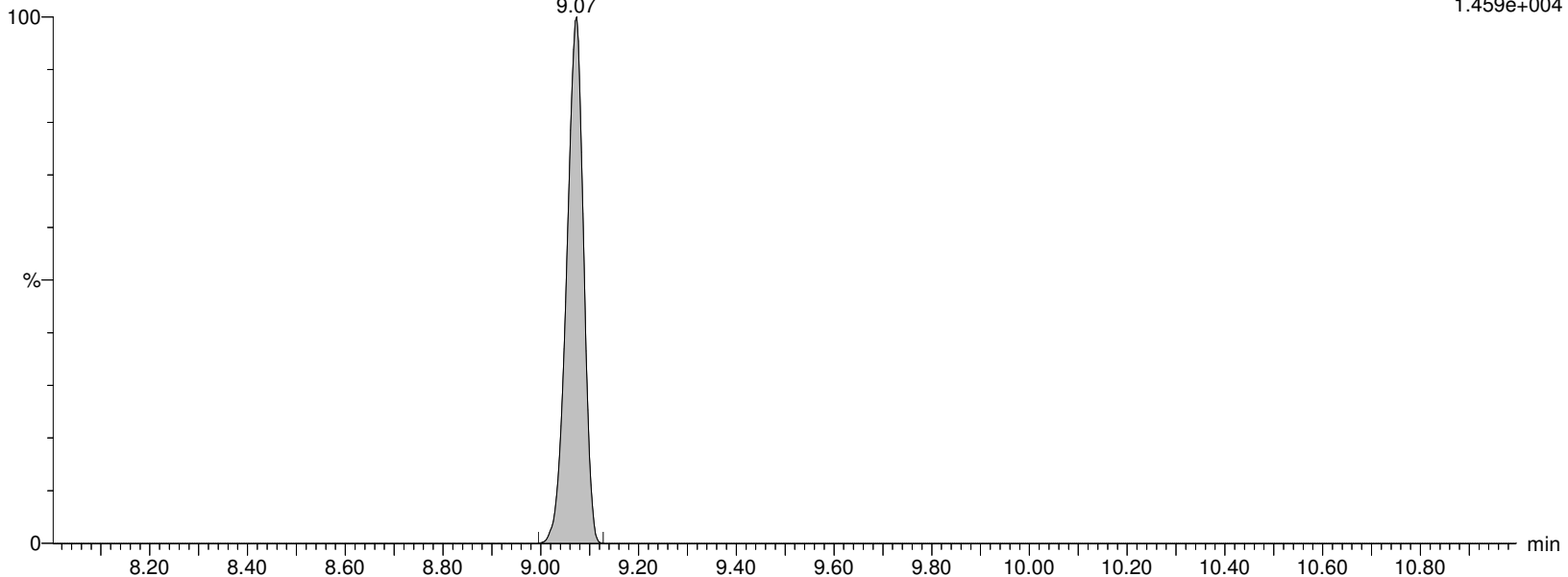
WG1337913, WG1334679, ICAL16305 WG1334679-2

6:2FTS
9.07

F23:MRM of 3 channels, ES-

426.862 > 80.5

1.459e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

I18687 Smooth(Mn,2x3)

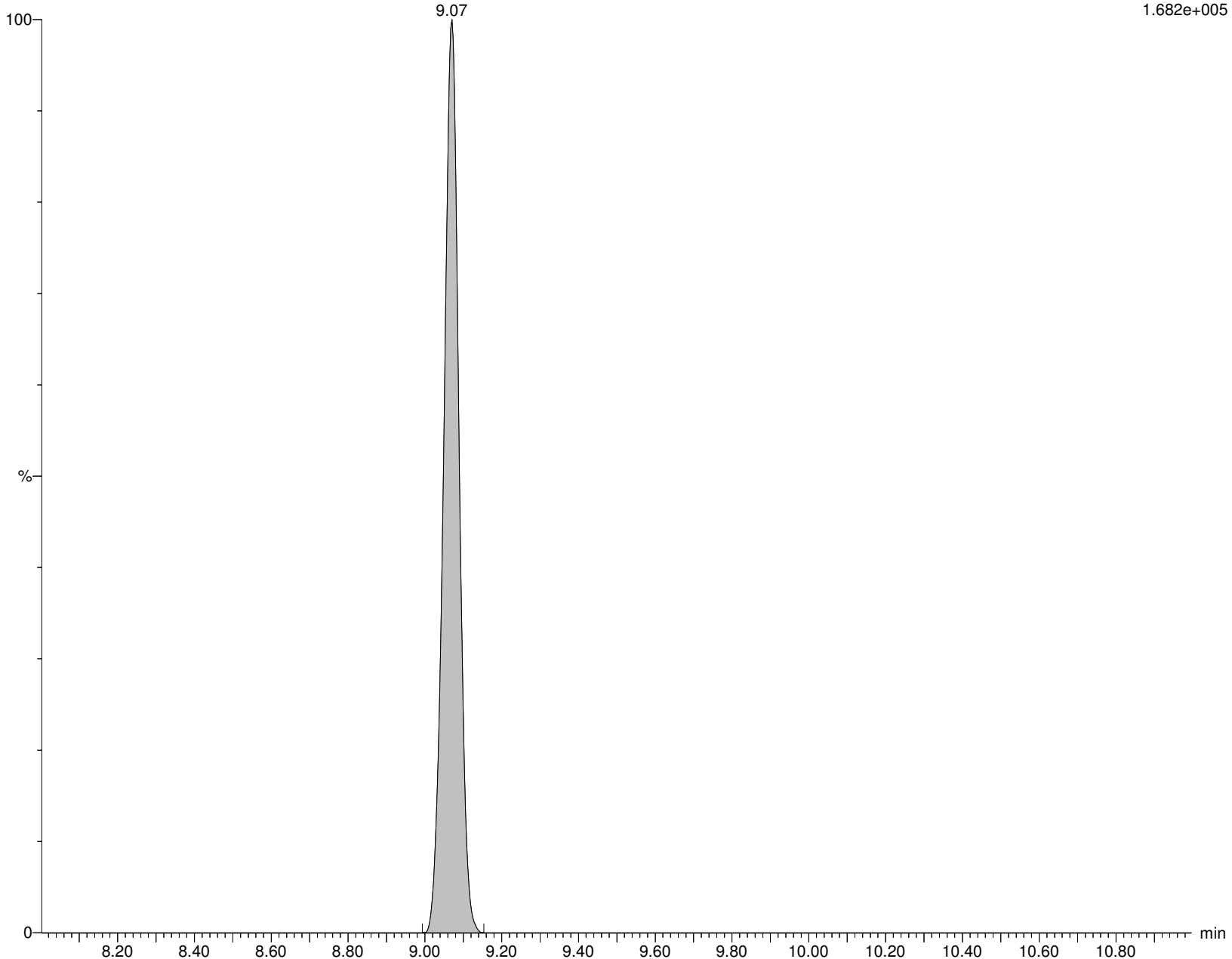
WG1337913, WG1334679, ICAL16305 WG1334679-2

M2-6:2FTS

F24:MRM of 1 channel, ES-

428.989 > 408.917

1.682e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

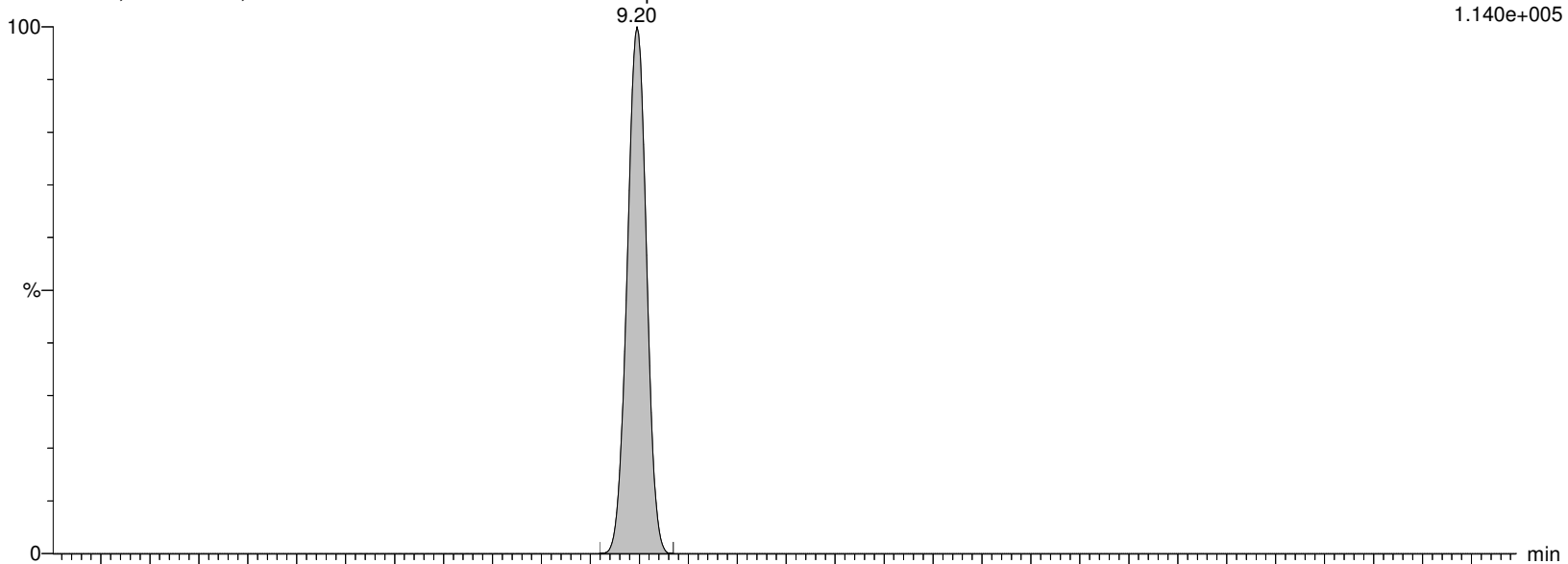
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.140e+005



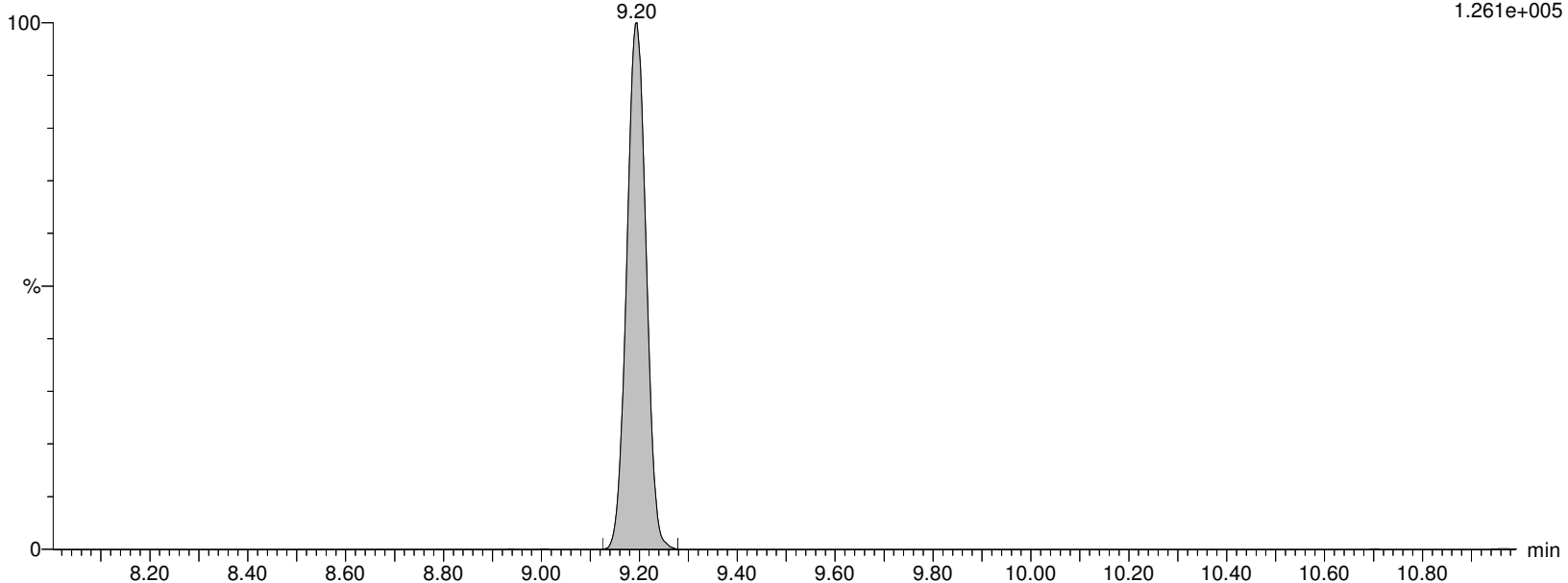
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F25:MRM of 2 channels, ES-

448.926 > 99.22

1.261e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNA**

I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

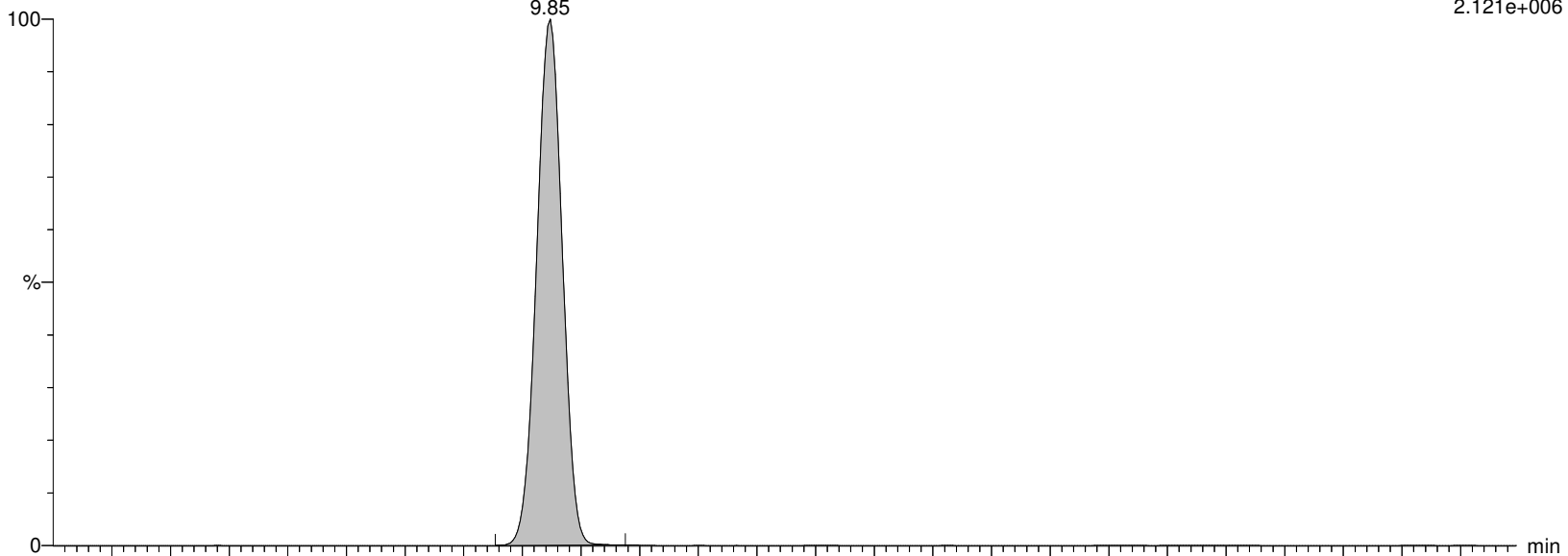
PFNA

9.85

F26:MRM of 2 channels, ES-

462.989 > 418.931

2.121e+006



I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

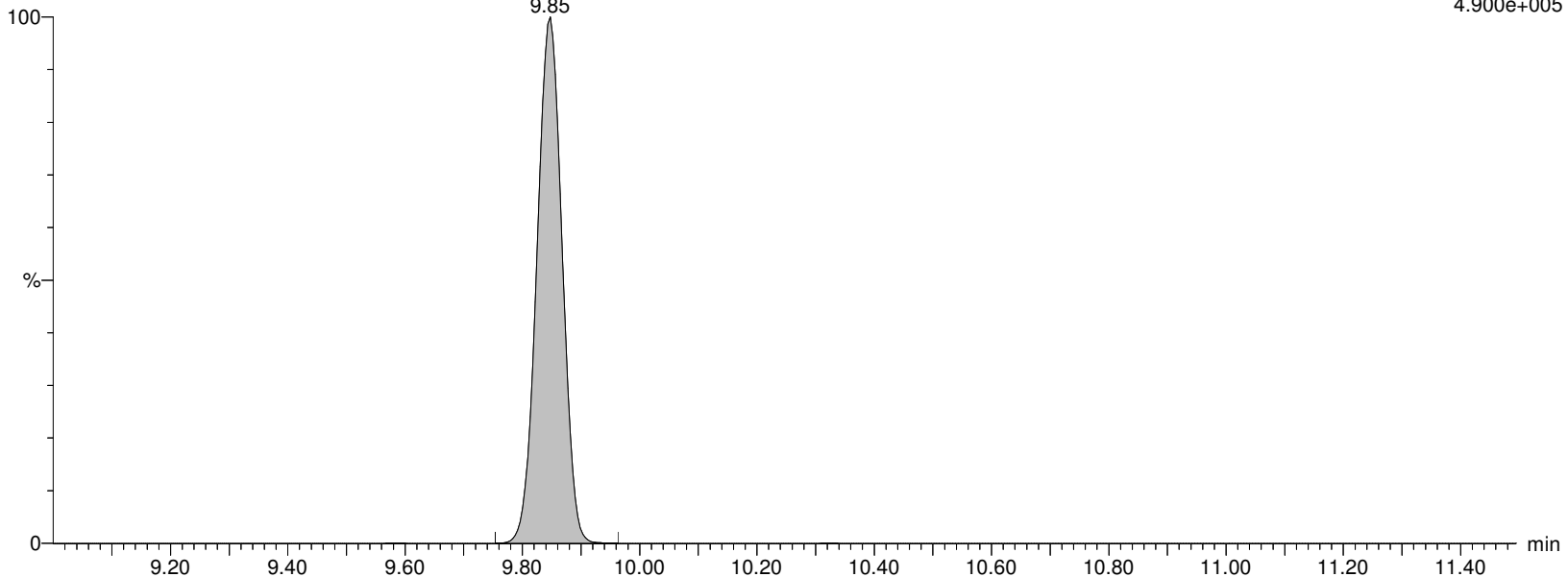
PFNA

9.85

F26:MRM of 2 channels, ES-

462.989 > 219.04

4.900e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

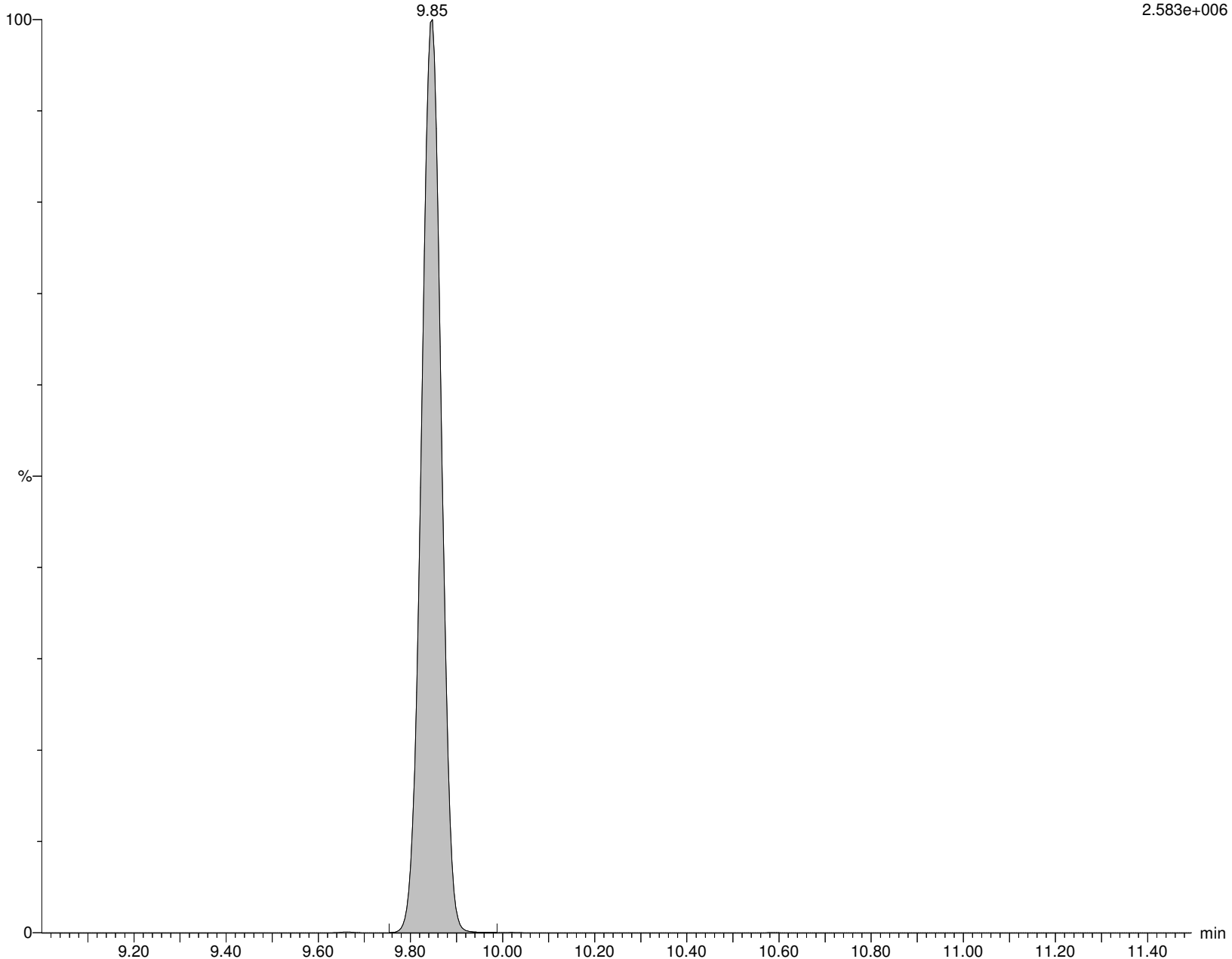
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2 M9PFNA

F27:MRM of 1 channel, ES-

472.053 > 426.947

2.583e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-PFOS**

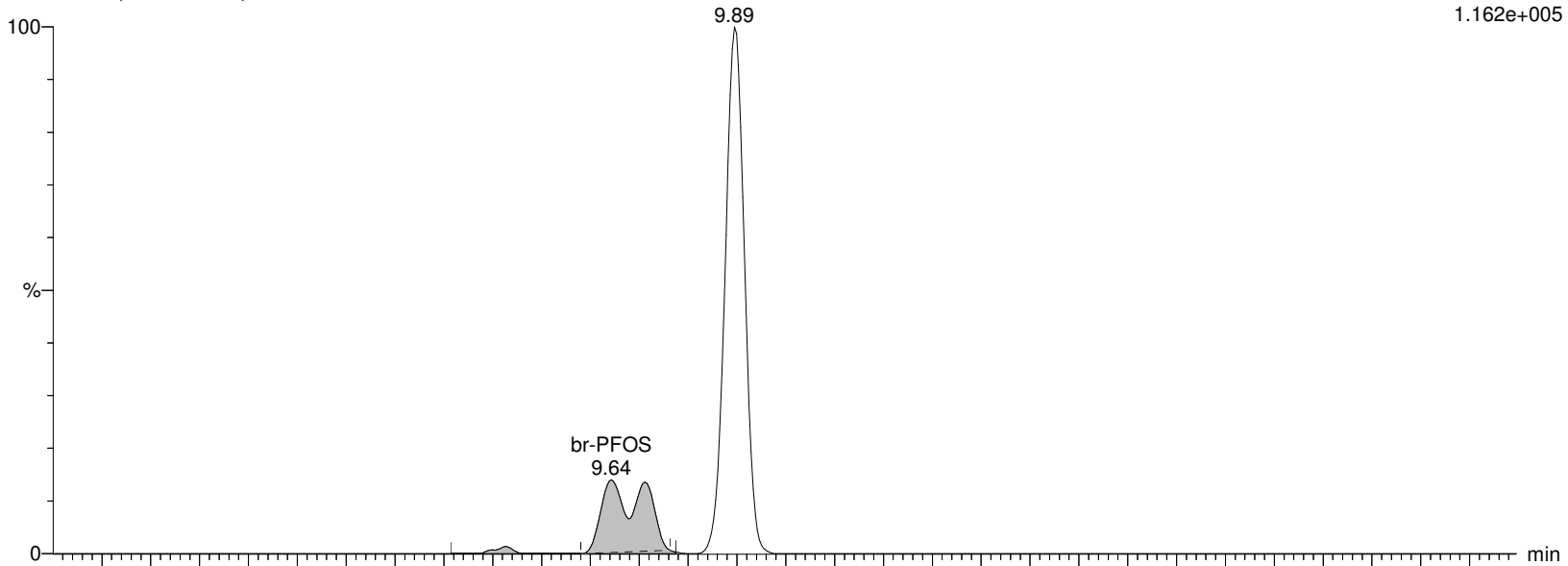
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.162e+005



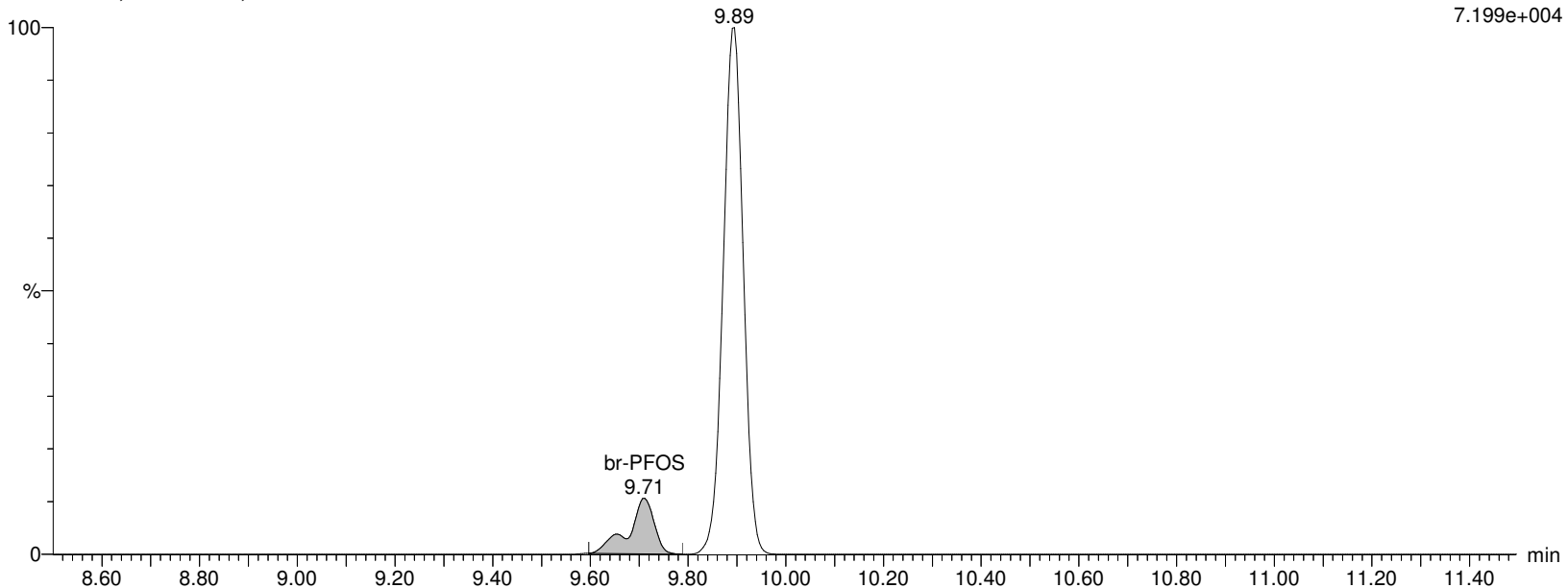
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.199e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

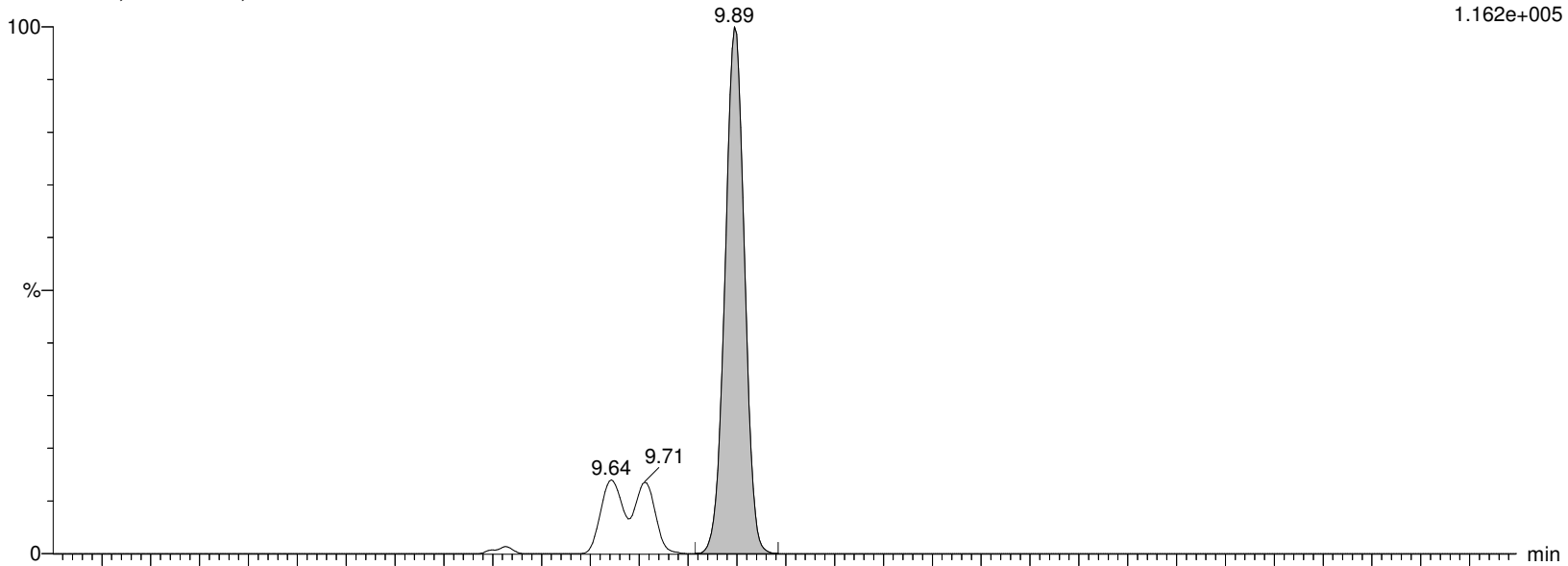
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.162e+005



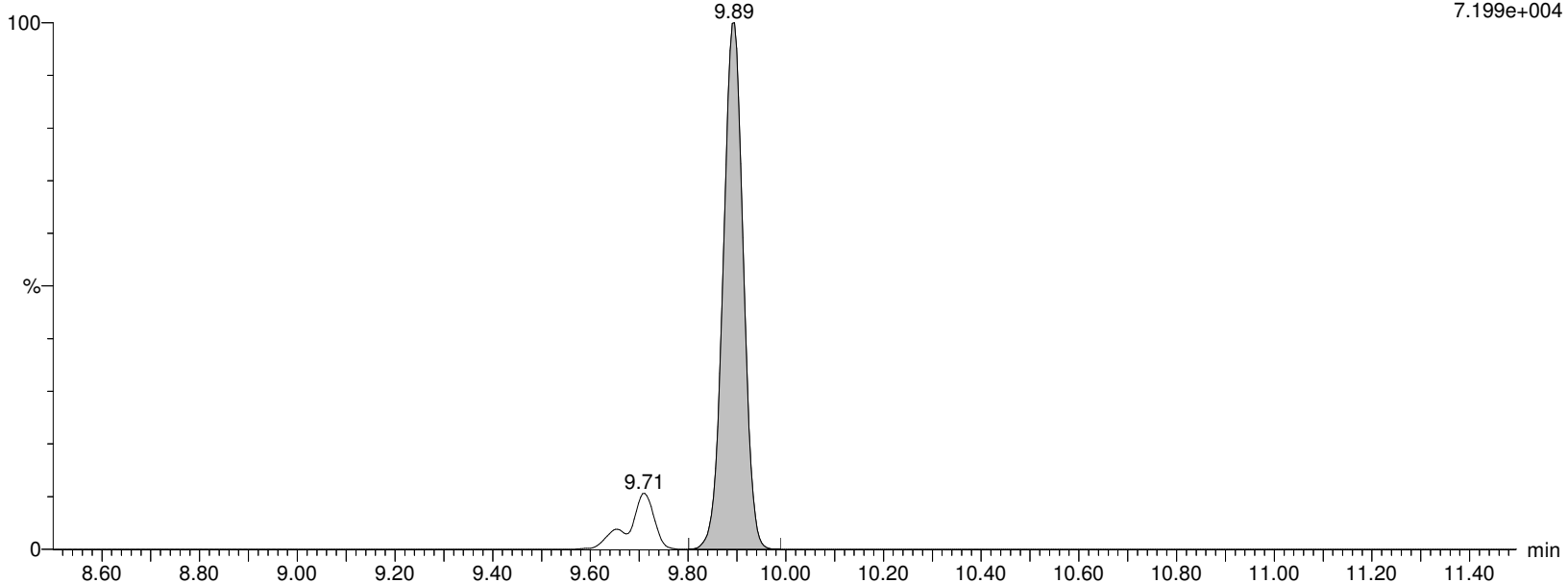
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.199e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

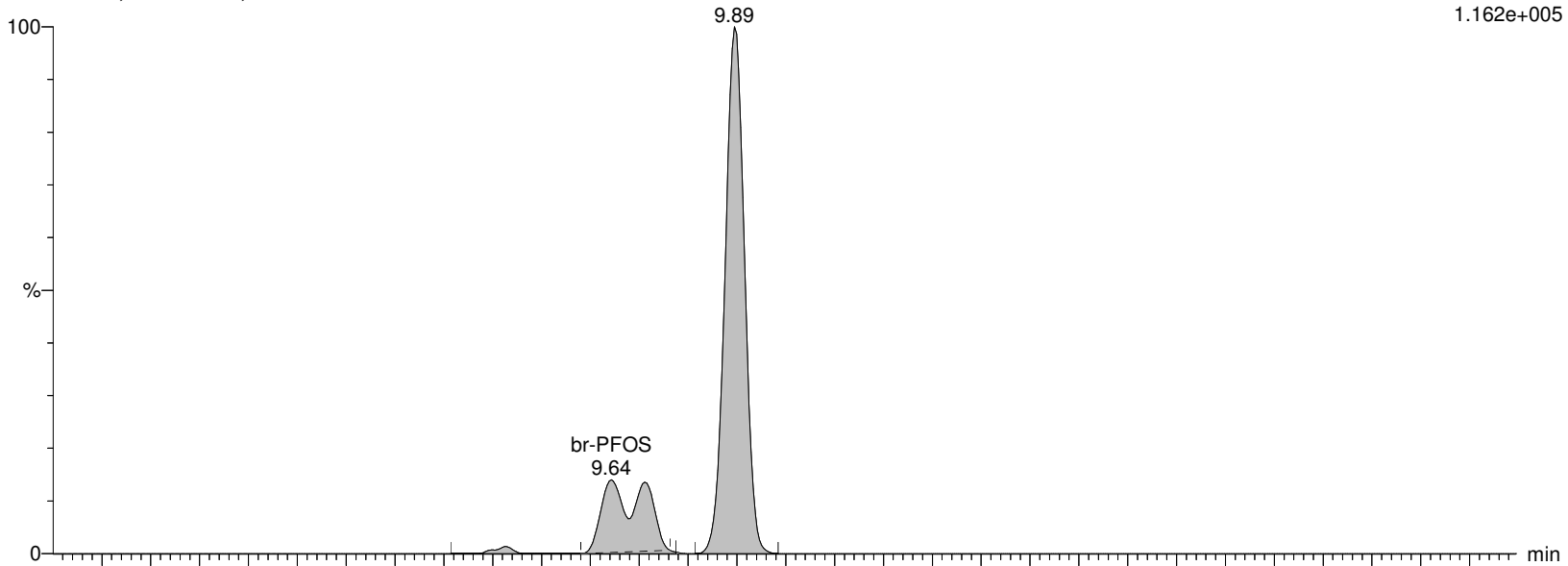
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.162e+005



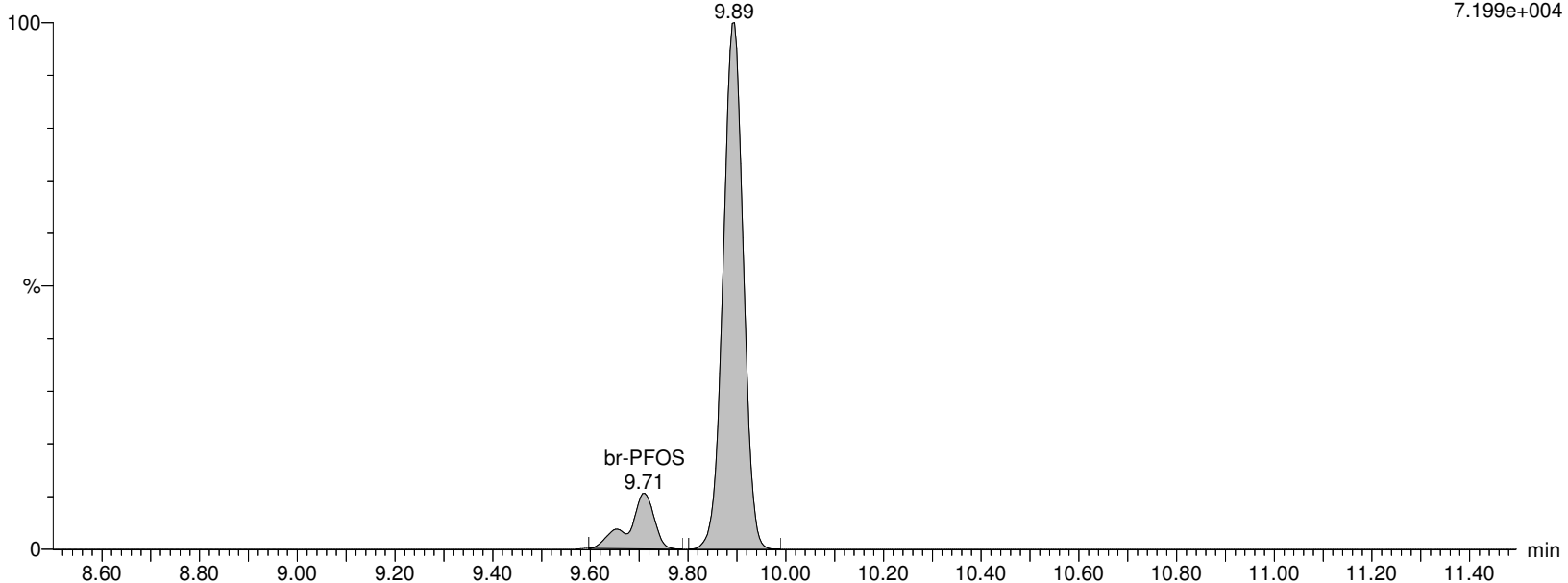
I18687 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.199e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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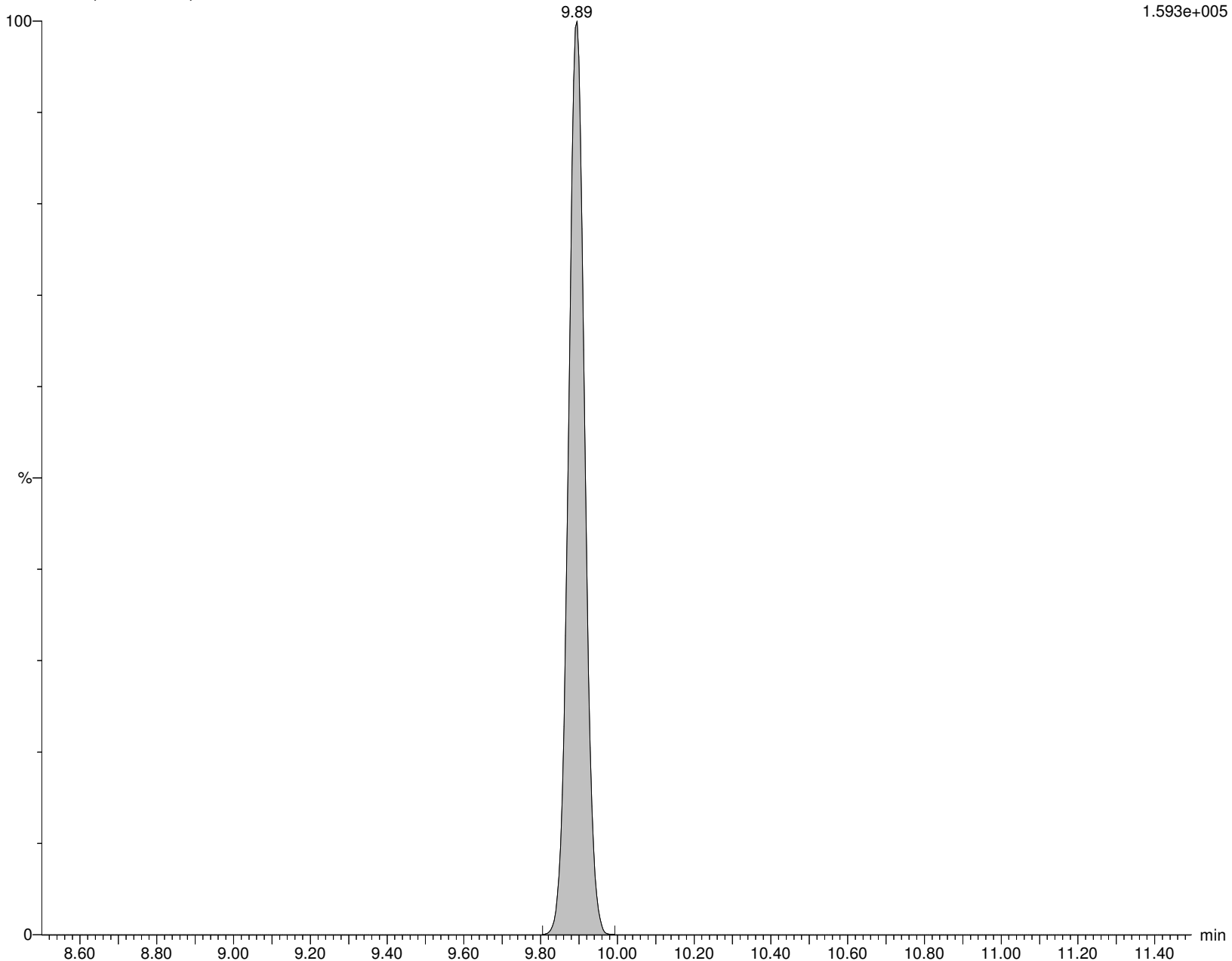
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.593e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

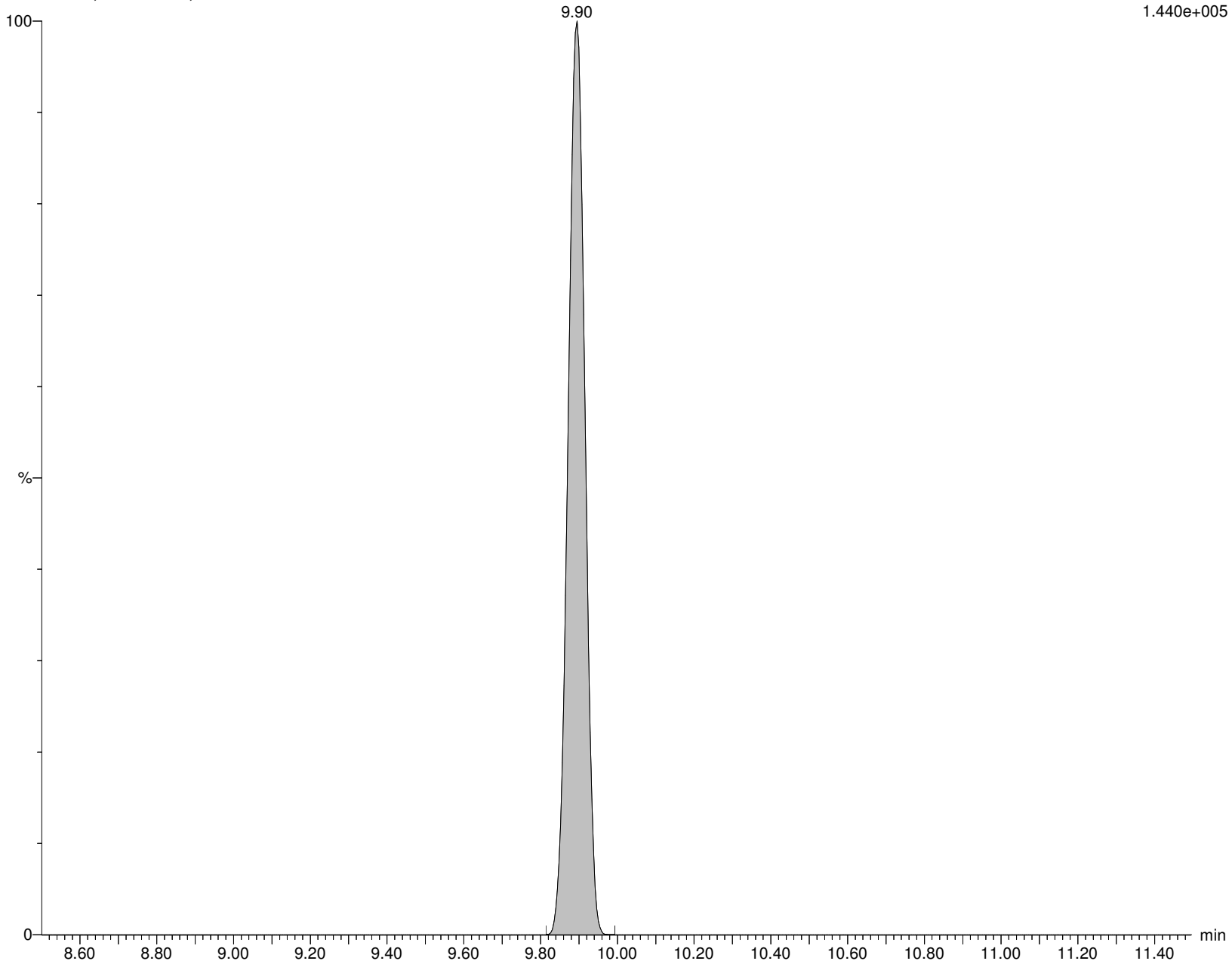
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.440e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDA**

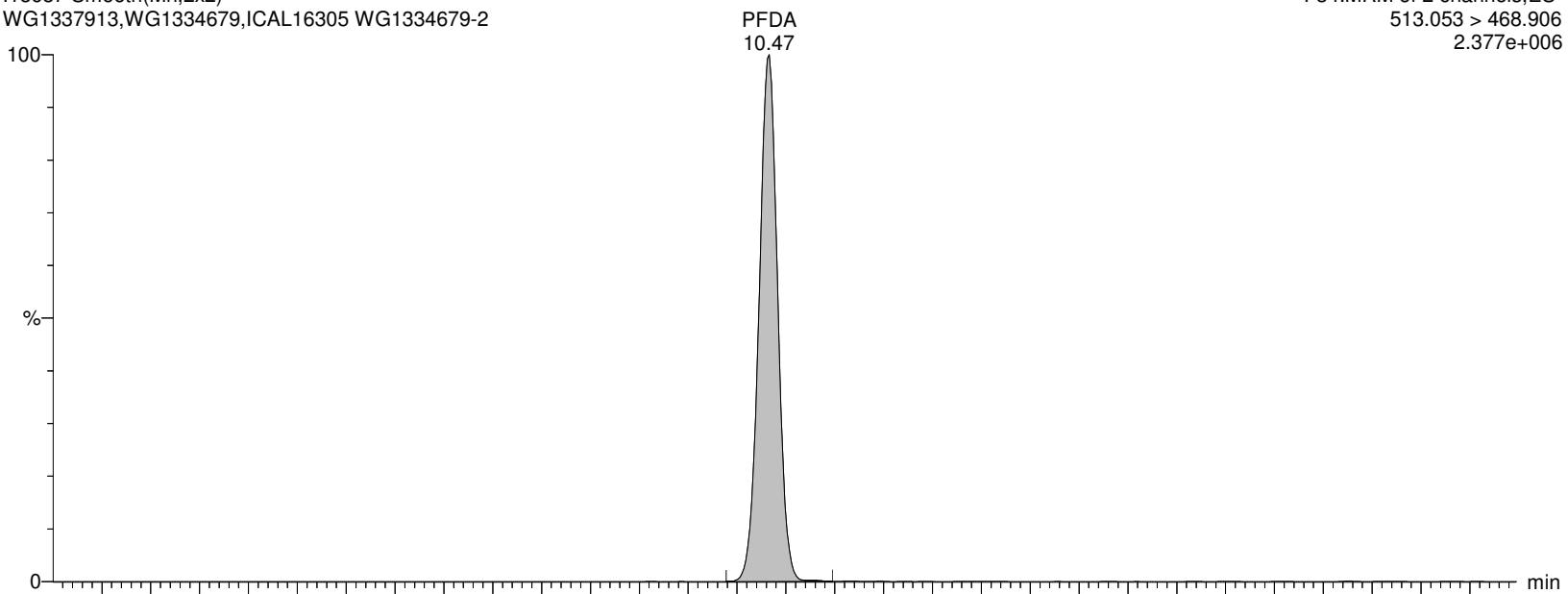
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F34:MRM of 2 channels, ES-

513.053 > 468.906

2.377e+006



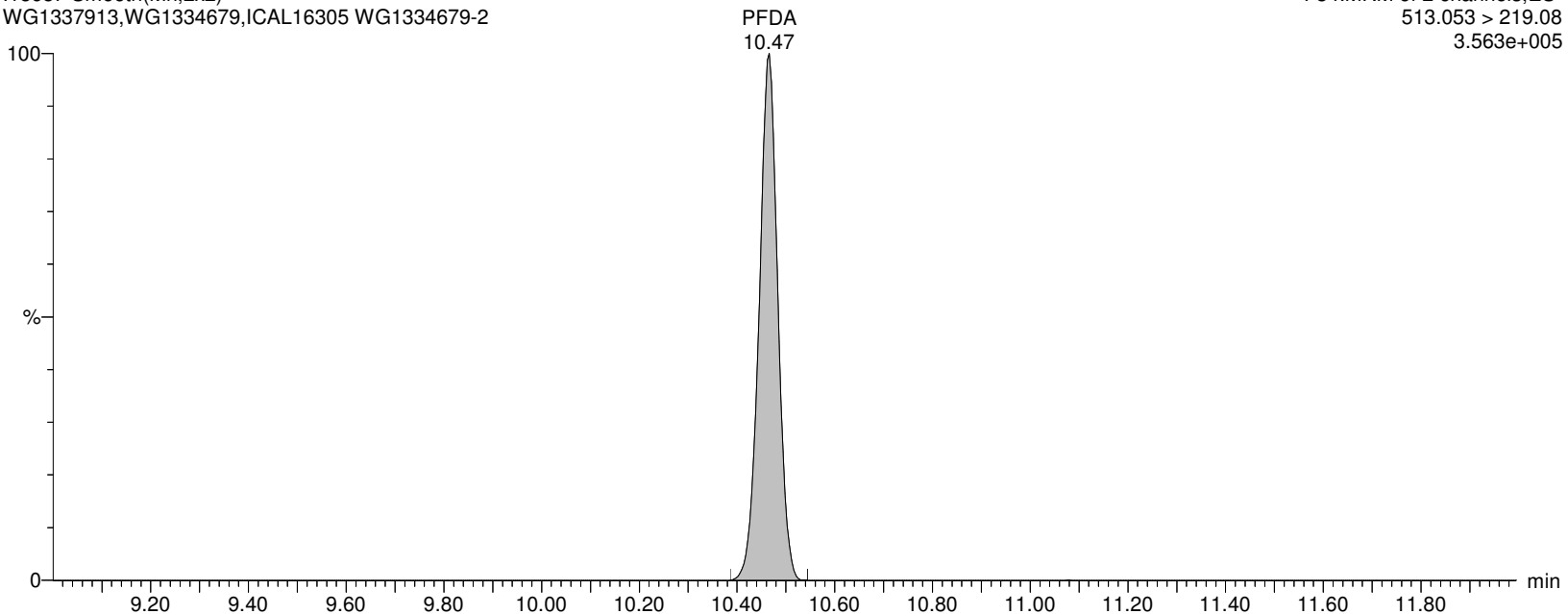
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F34:MRM of 2 channels, ES-

513.053 > 219.08

3.563e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

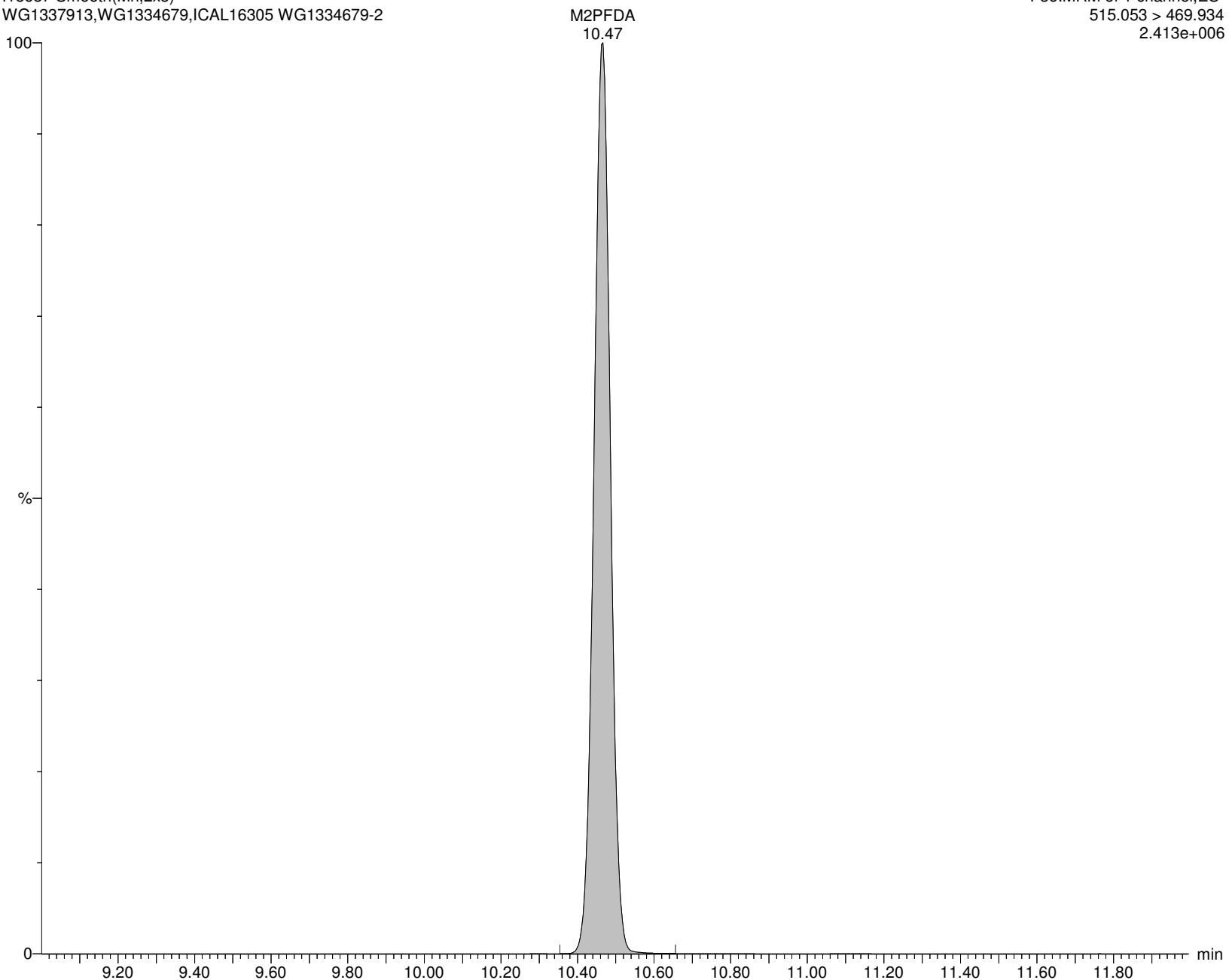
I18687 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-2

F36:MRM of 1 channel,ES-

515.053 > 469.934

2.413e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

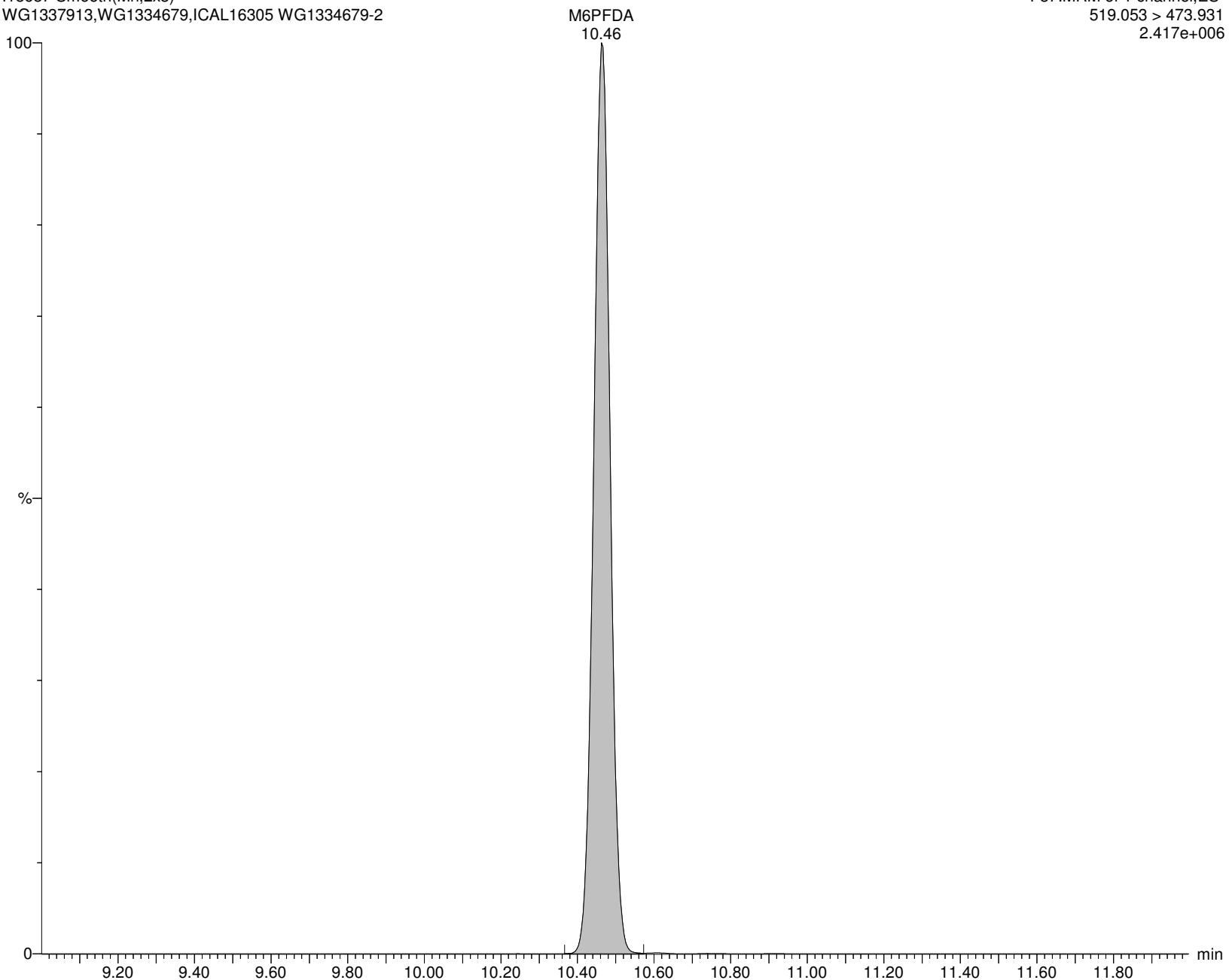
I18687 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-2

F37:MRM of 1 channel,ES-

519.053 > 473.931

2.417e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

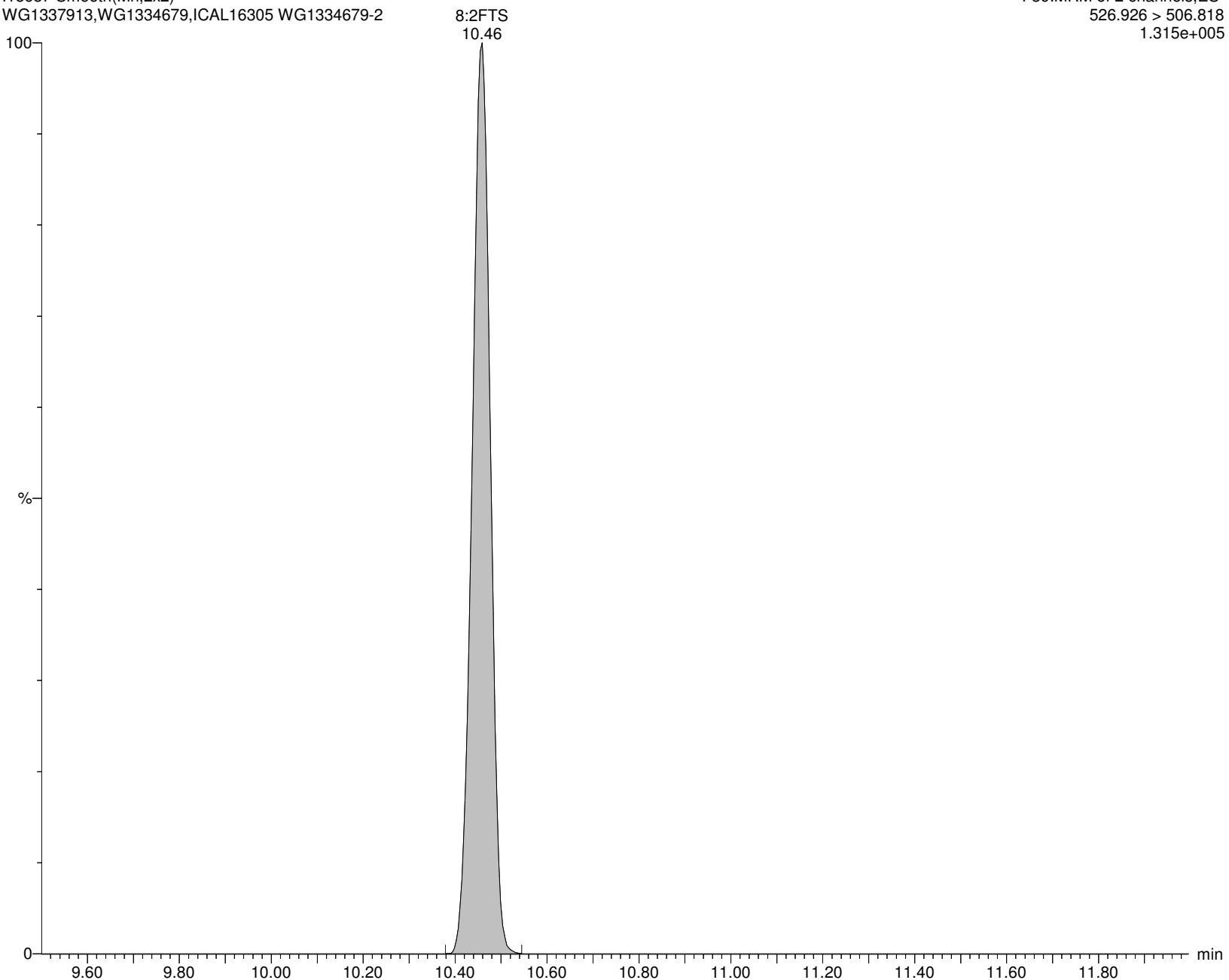
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F39:MRM of 2 channels, ES-

526.926 > 506.818

1.315e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

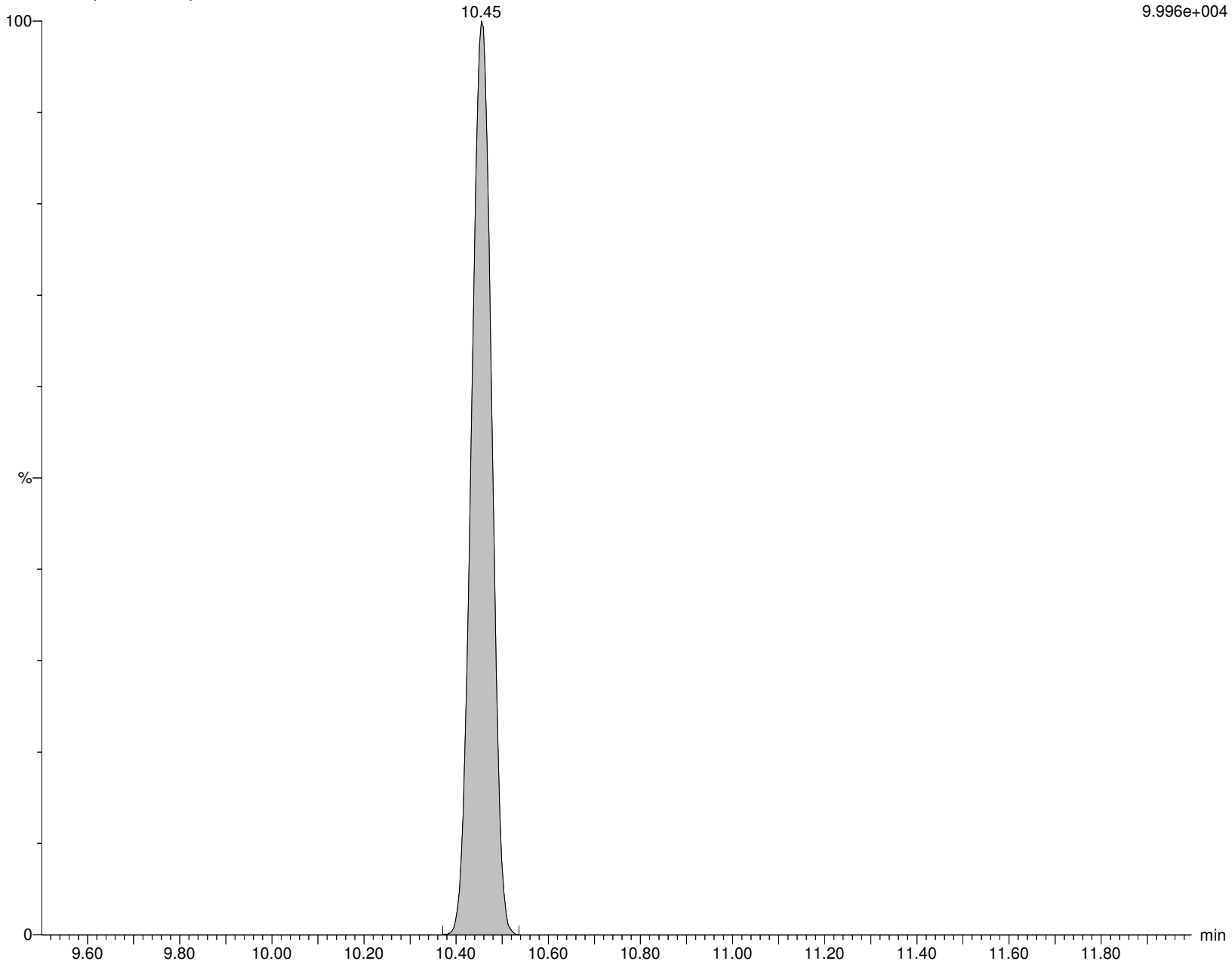
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F40:MRM of 2 channels, ES-

529.053 > 508.945

9.996e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

I18687 Smooth(Mn,2x2)

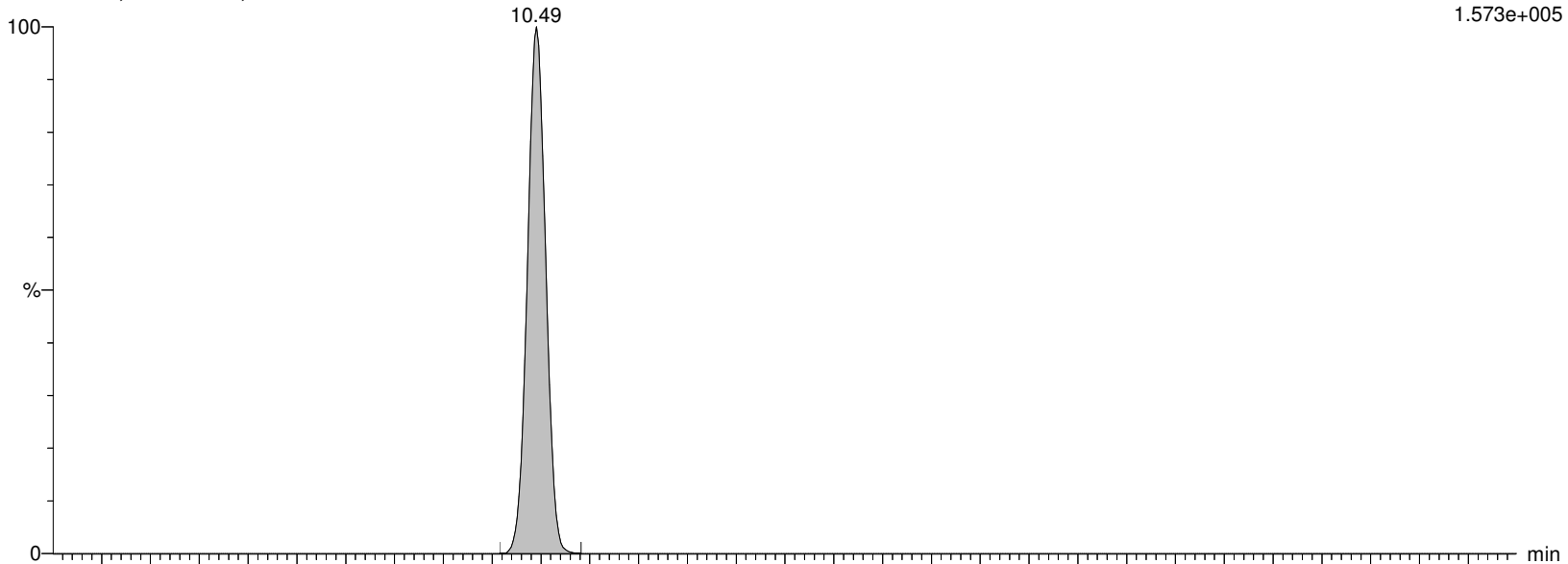
WG1337913, WG1334679, ICAL16305 WG1334679-2

PFNS

F43:MRM of 2 channels, ES-

548.989 > 80.249

1.573e+005



I18687 Smooth(Mn,2x2)

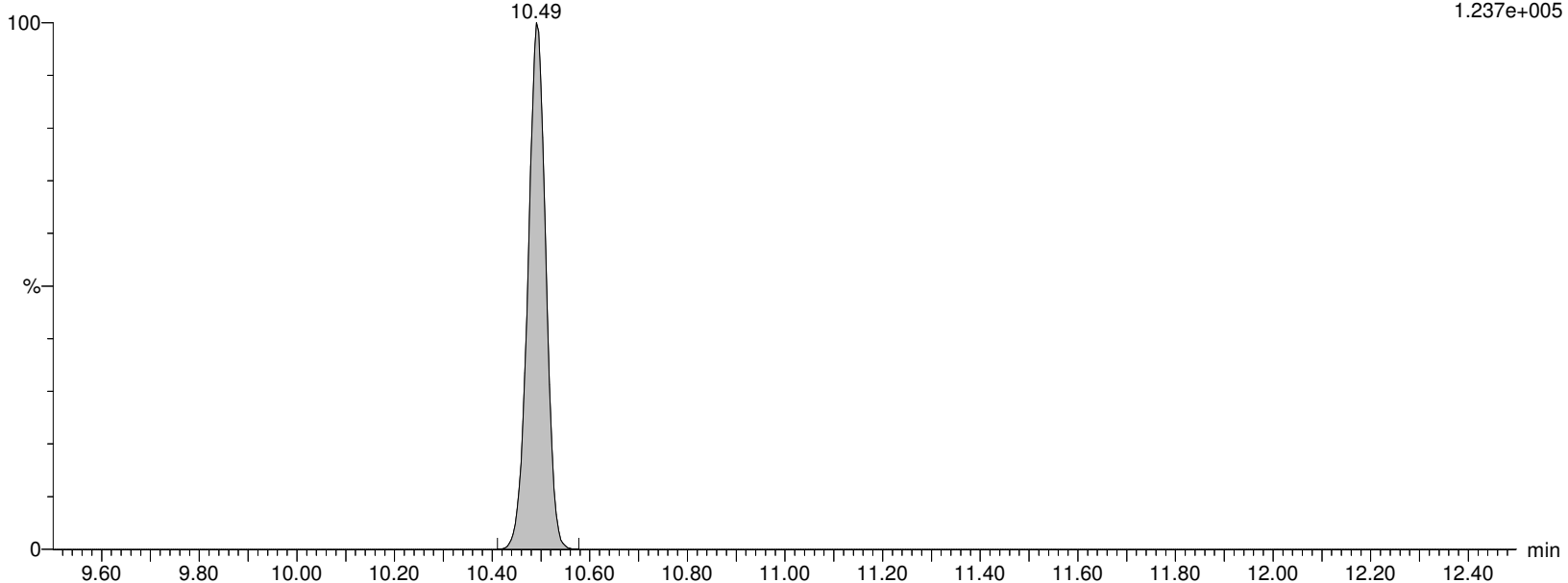
WG1337913, WG1334679, ICAL16305 WG1334679-2

PFNS

F43:MRM of 2 channels, ES-

548.989 > 99.22

1.237e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

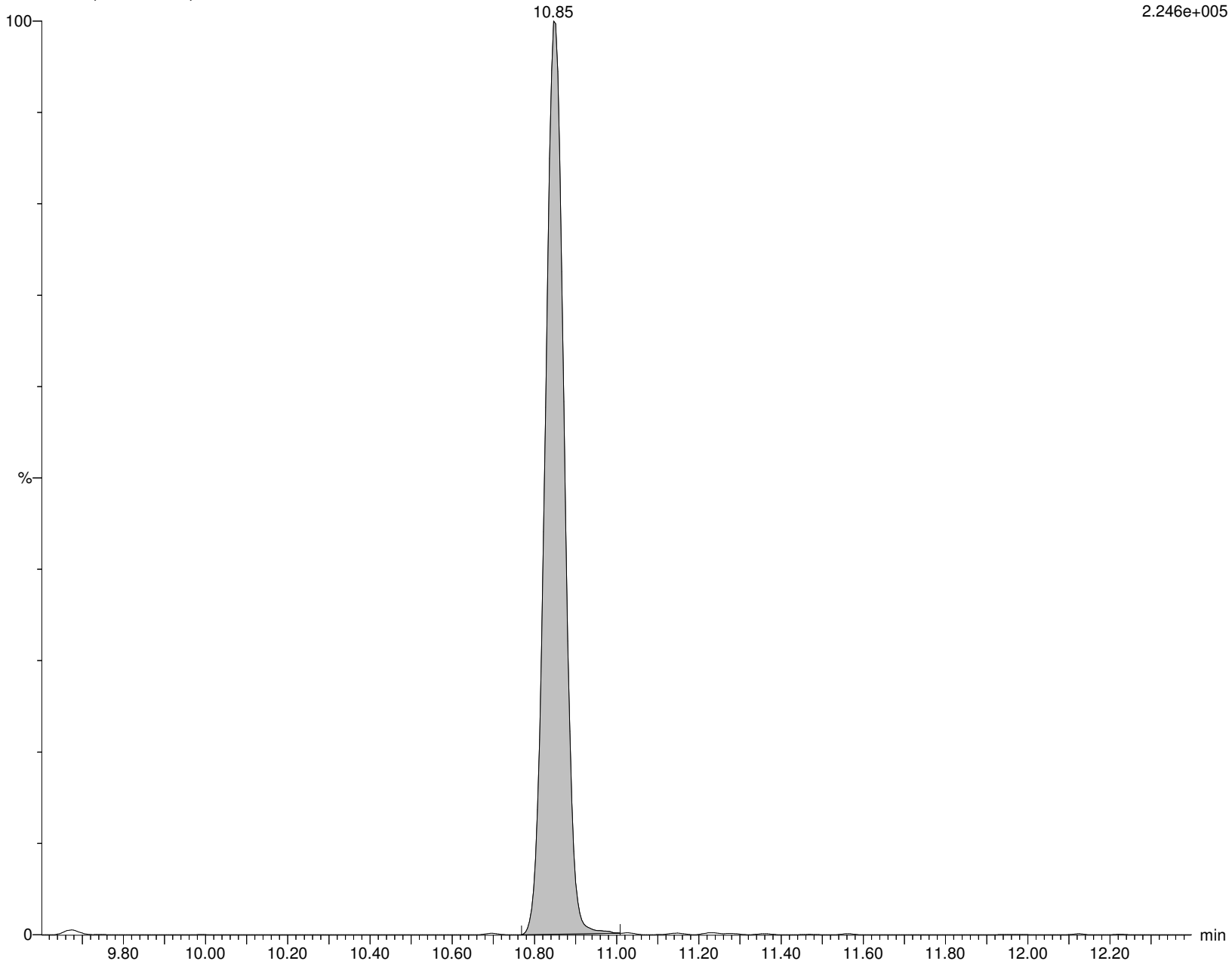
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F47:MRM of 1 channel, ES-

573.096 > 418.987

2.246e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-NMeFOSAA**

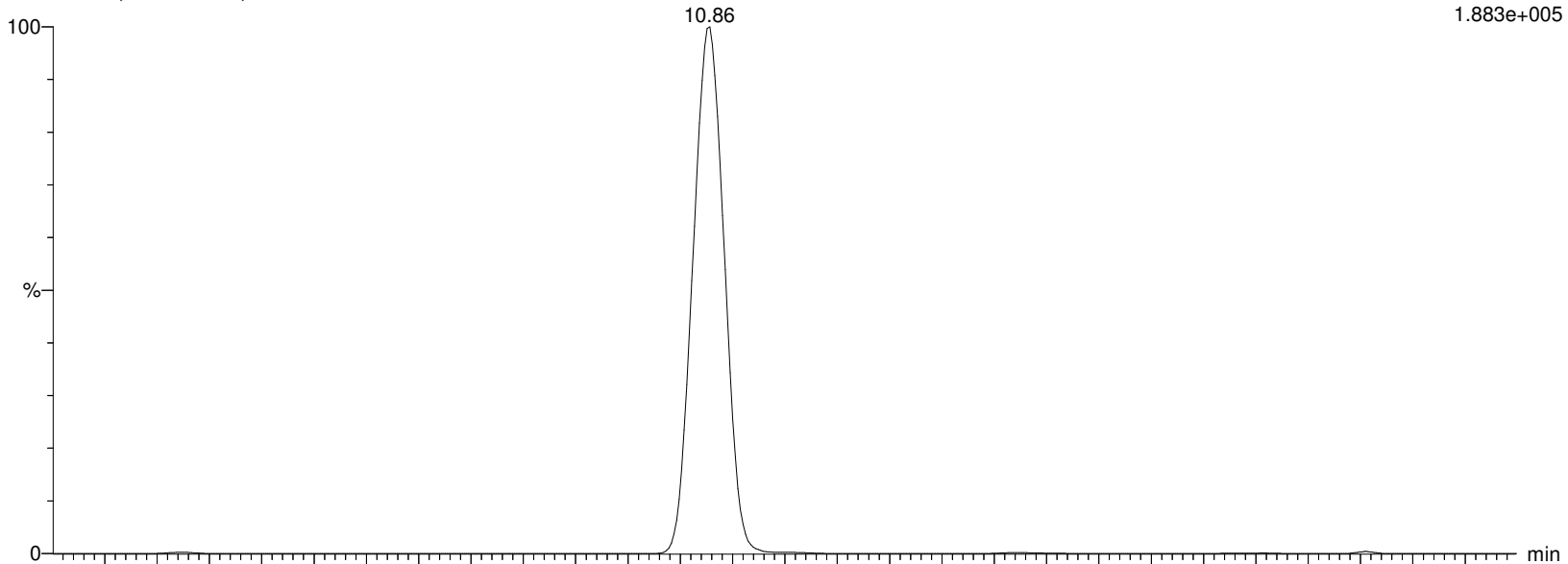
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.883e+005



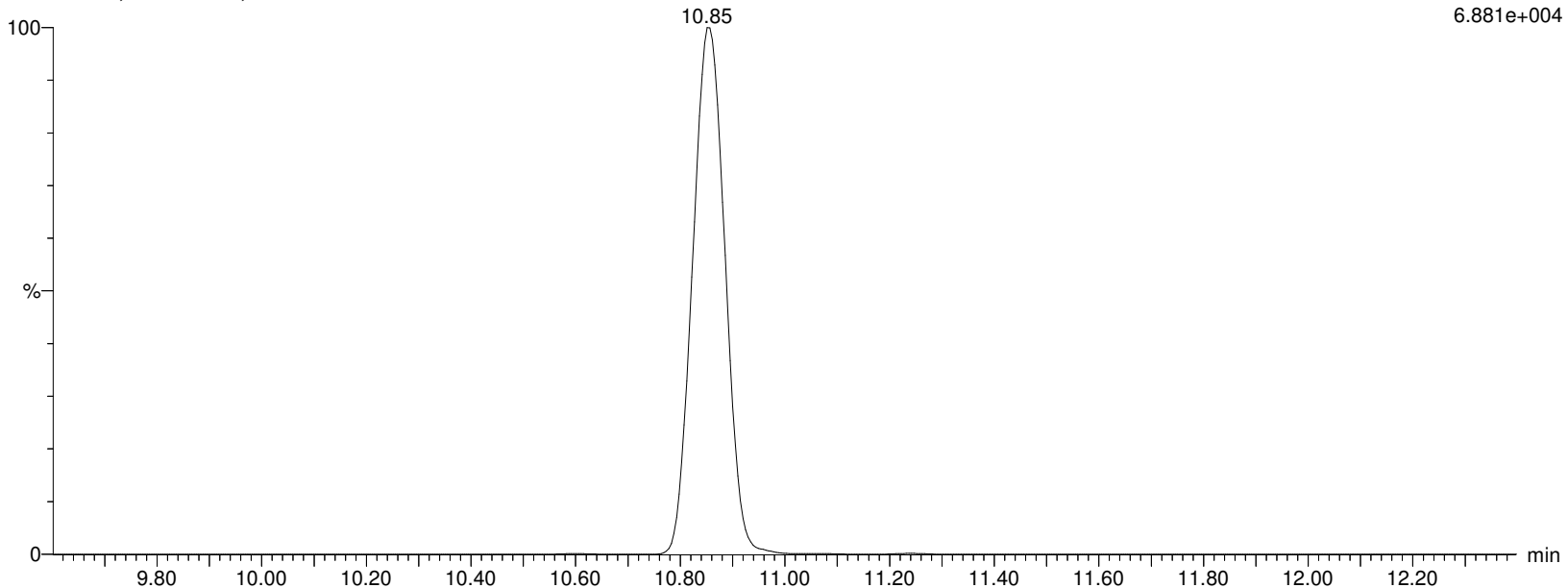
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

569.862 > 482.77

6.881e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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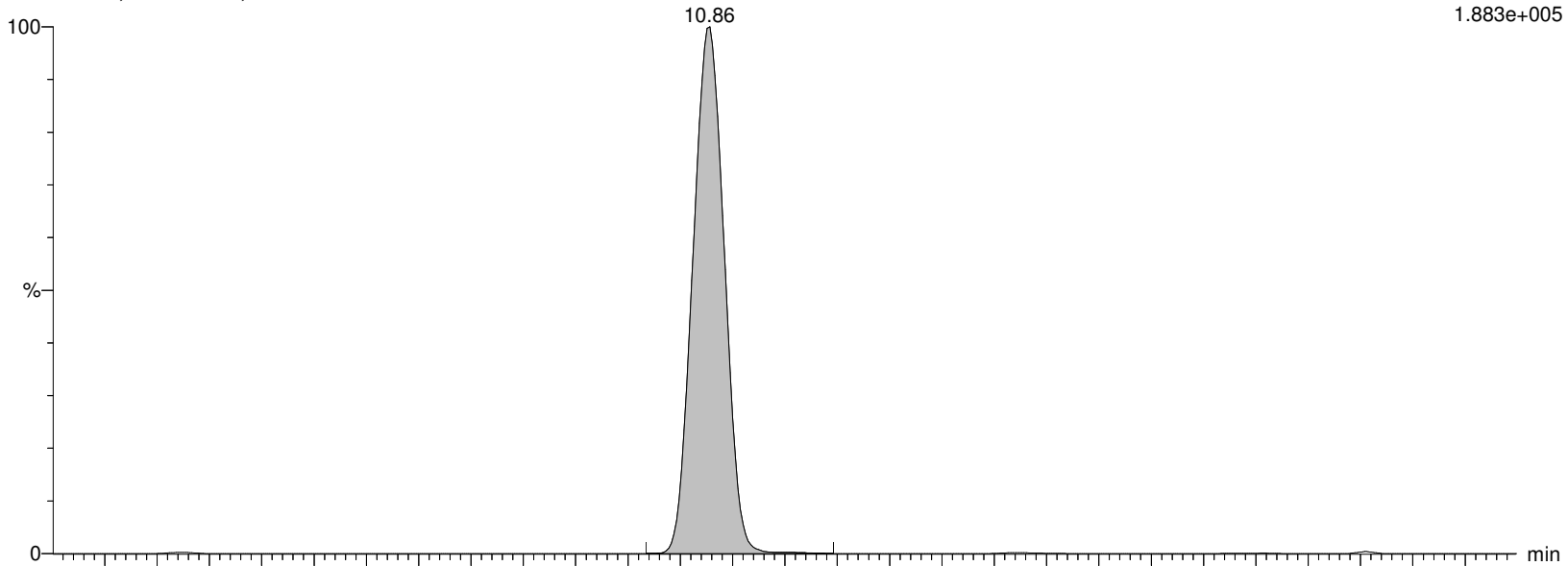
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.883e+005



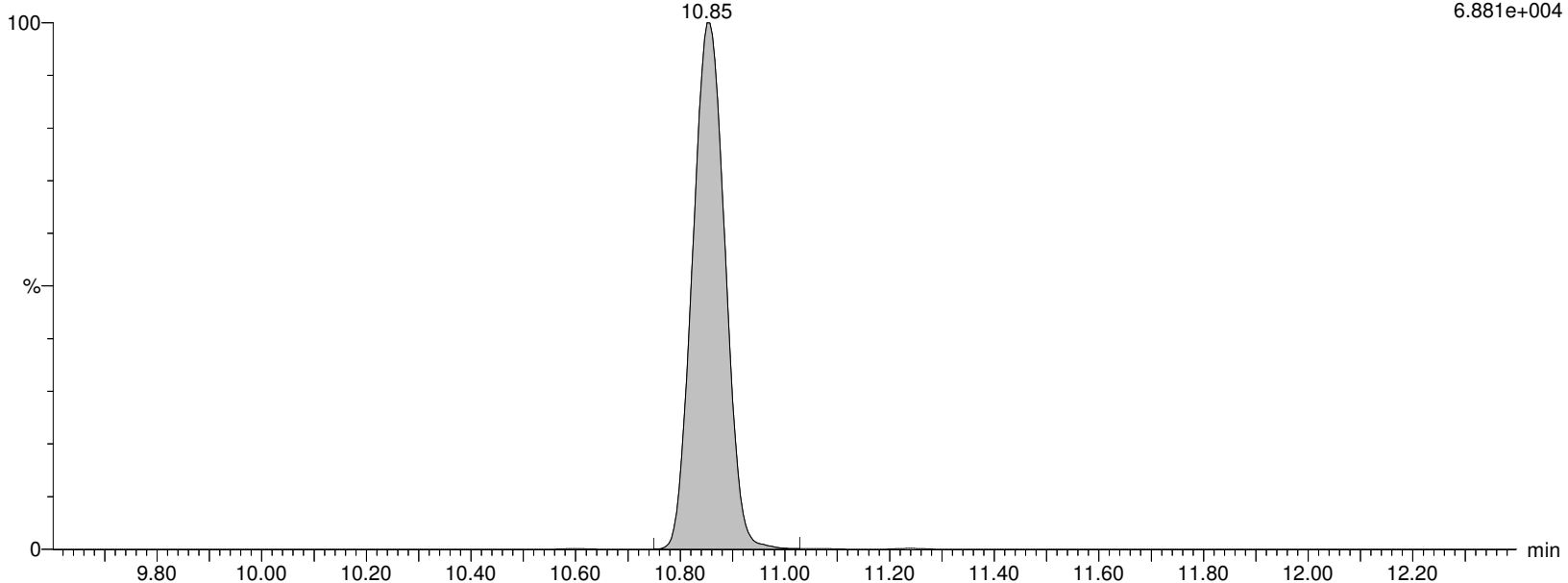
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

569.862 > 482.77

6.881e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

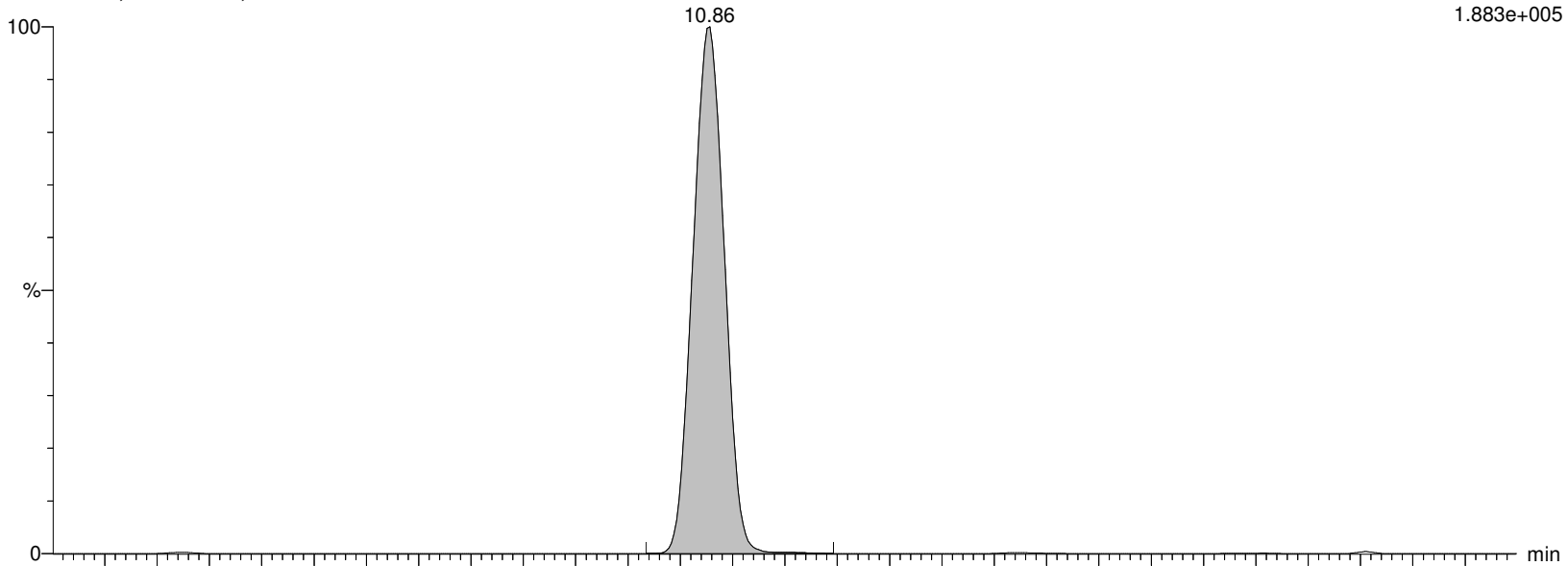
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

570.053 > 418.917

1.883e+005



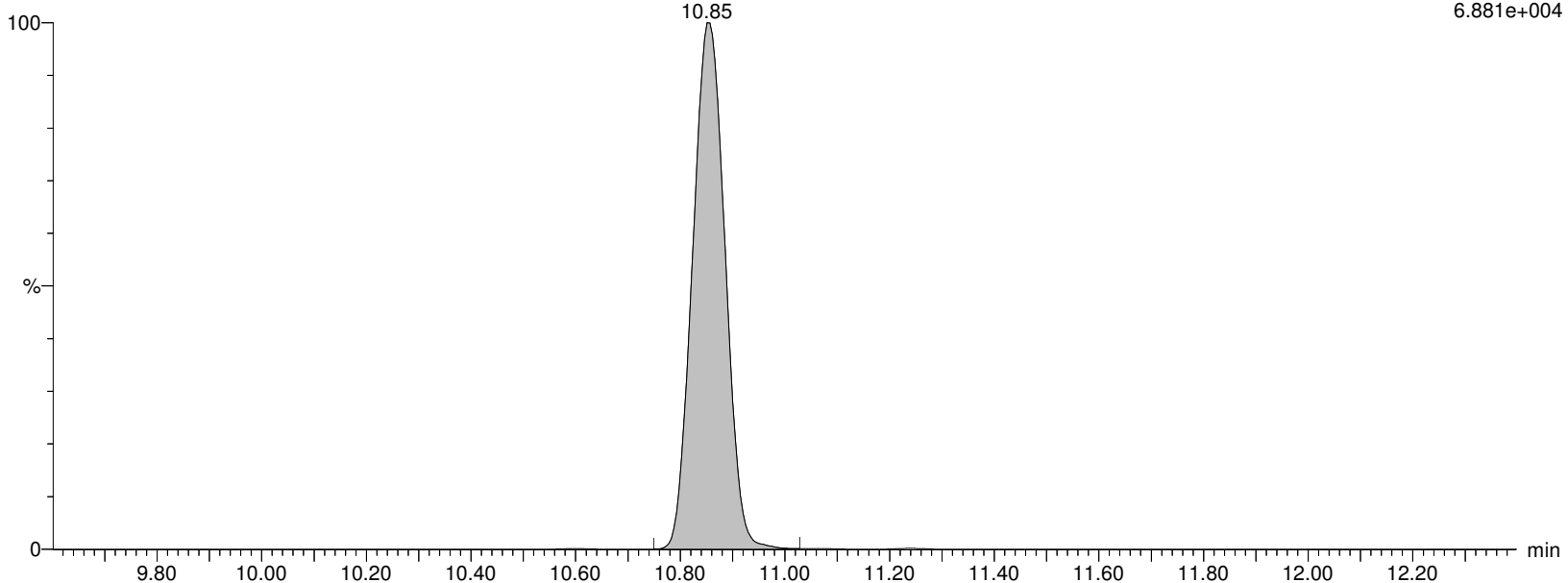
I18687 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F45:MRM of 2 channels, ES-

569.862 > 482.77

6.881e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFUnA**

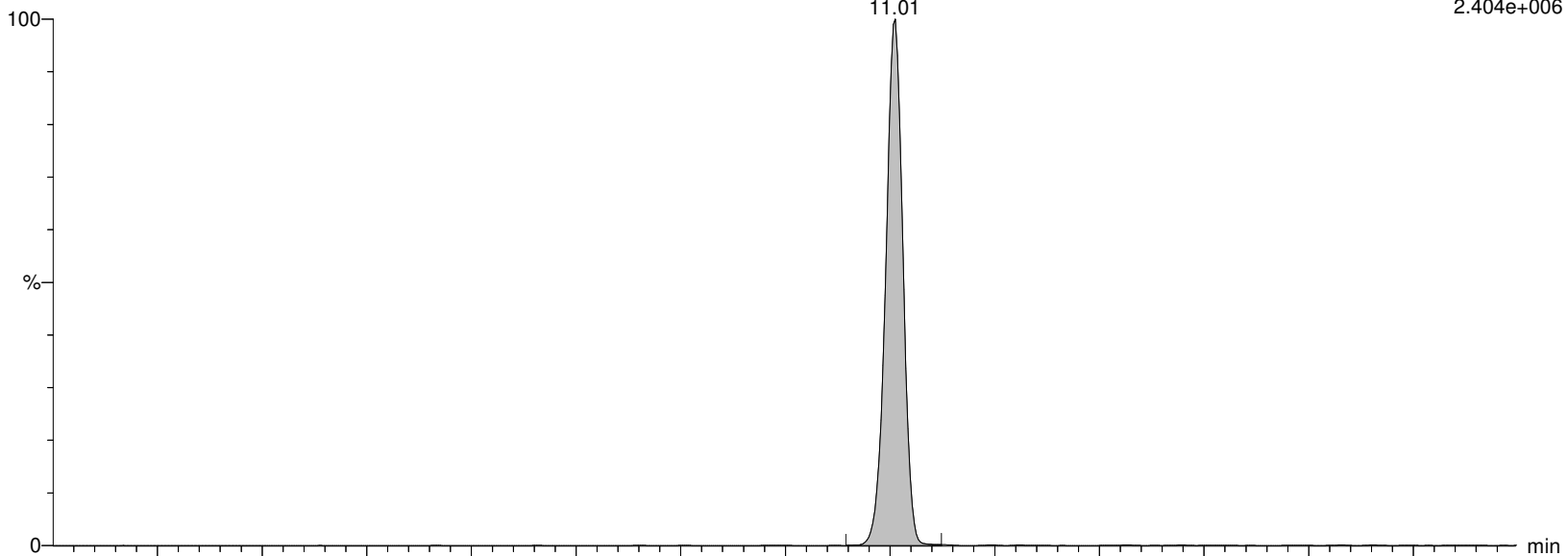
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F44:MRM of 2 channels, ES-

562.989 > 518.903

2.404e+006



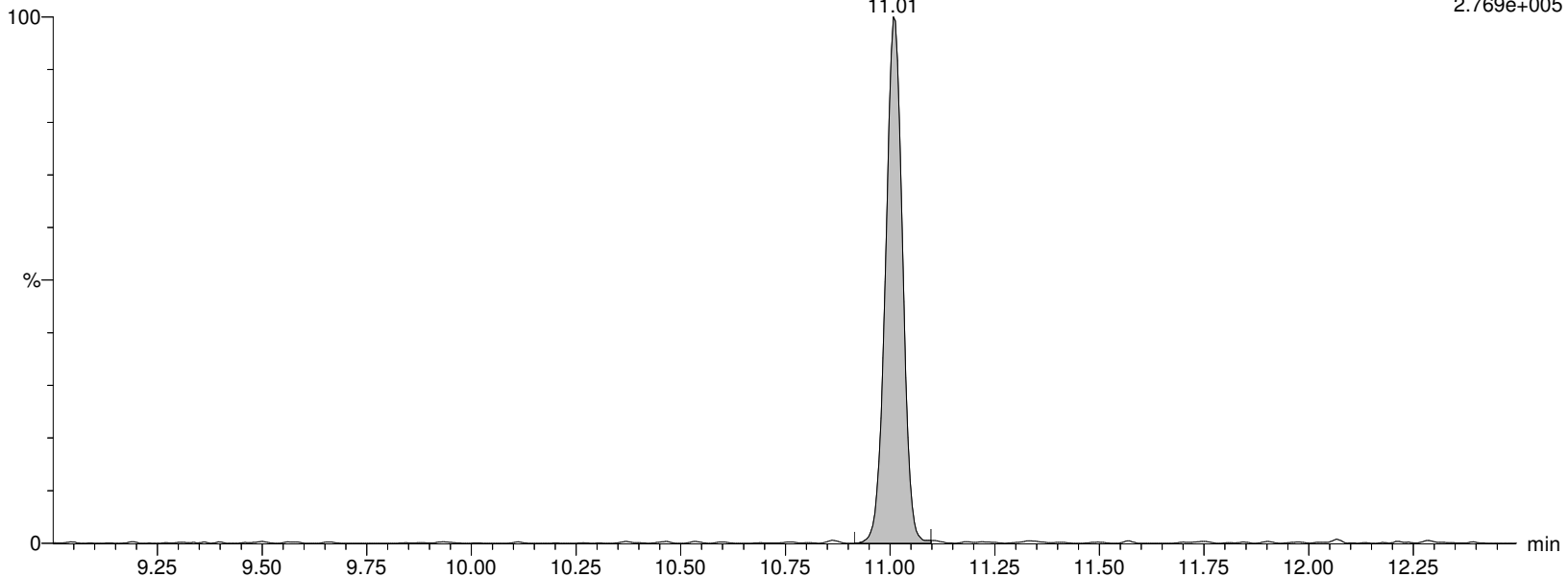
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F44:MRM of 2 channels, ES-

562.989 > 269.01

2.769e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

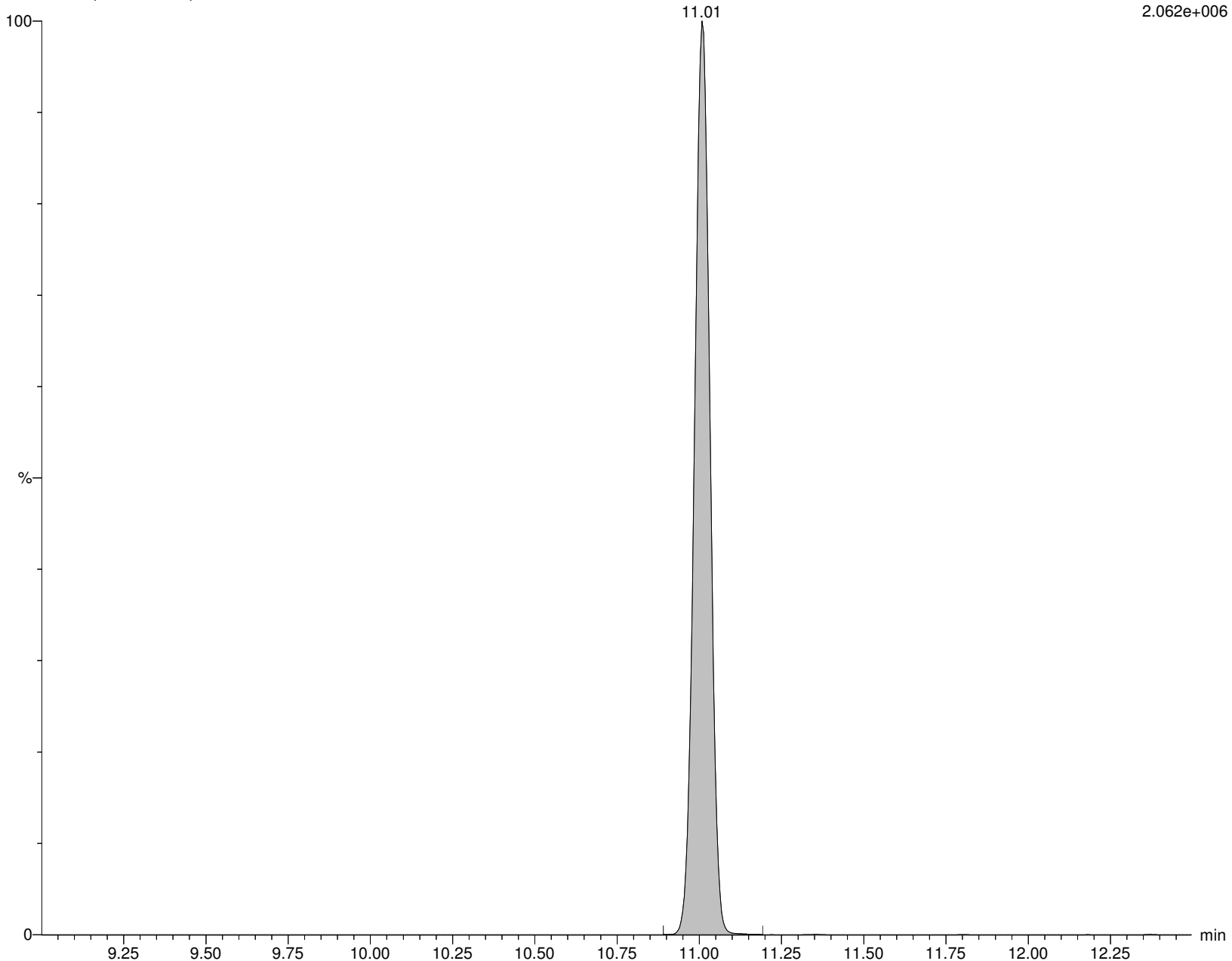
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.062e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

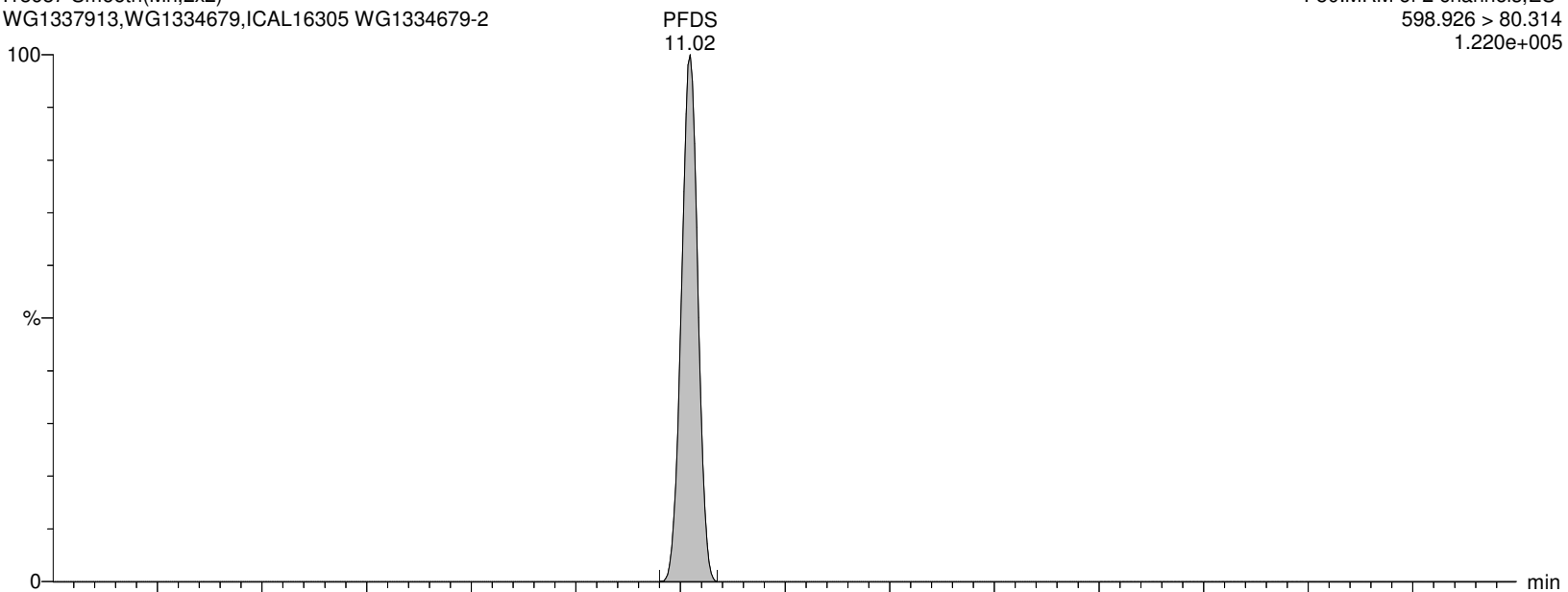
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F50:MRM of 2 channels, ES-

598.926 > 80.314

1.220e+005



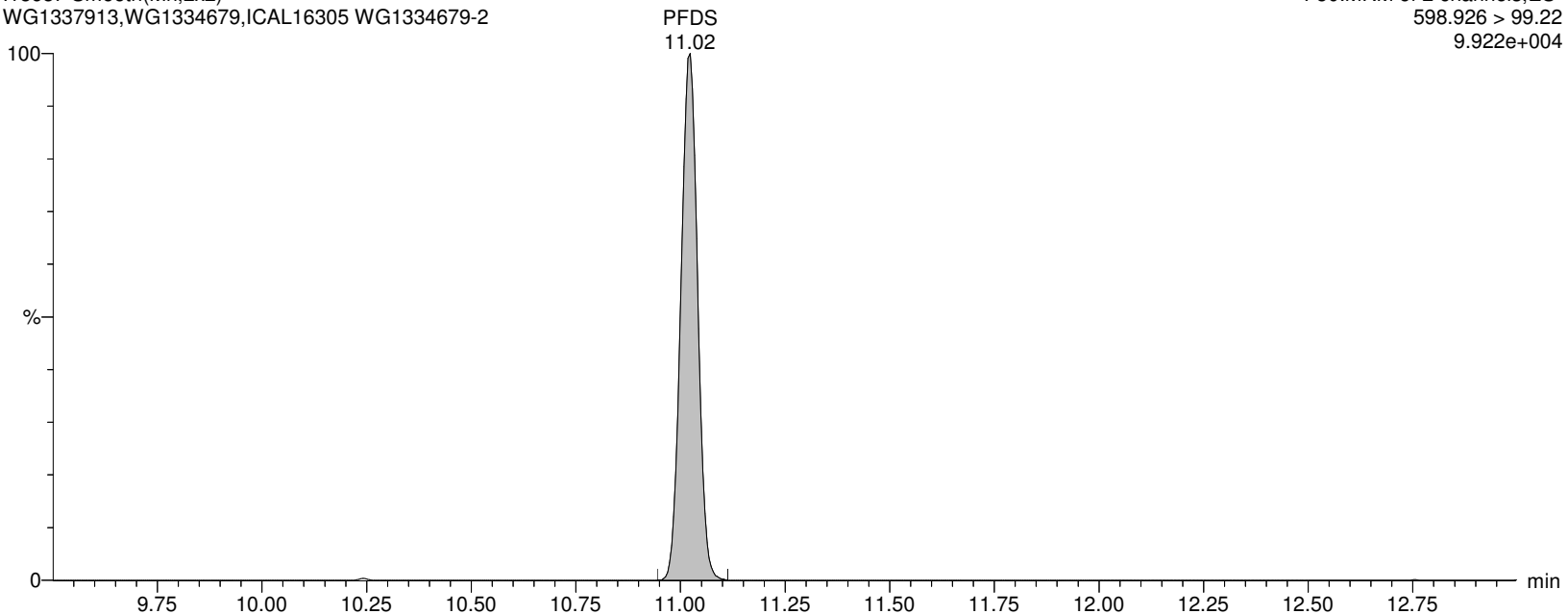
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F50:MRM of 2 channels, ES-

598.926 > 99.22

9.922e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****FOSA**

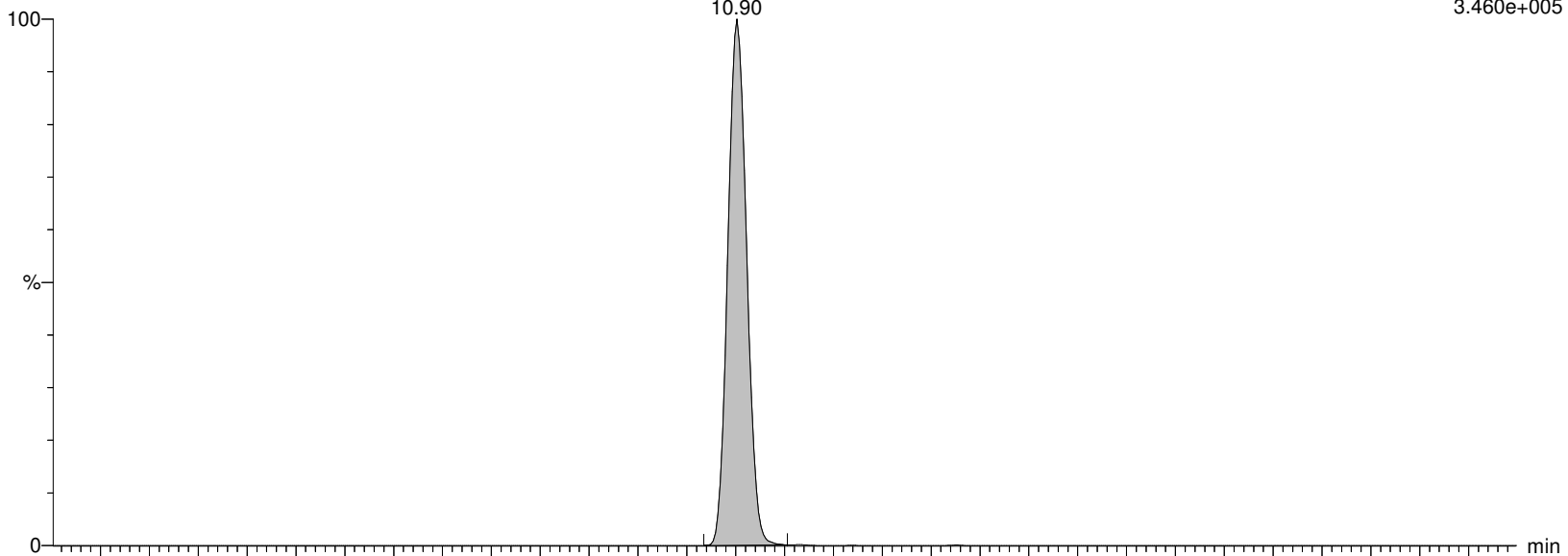
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F28:MRM of 2 channels, ES-

497.989 > 78.245

3.460e+005



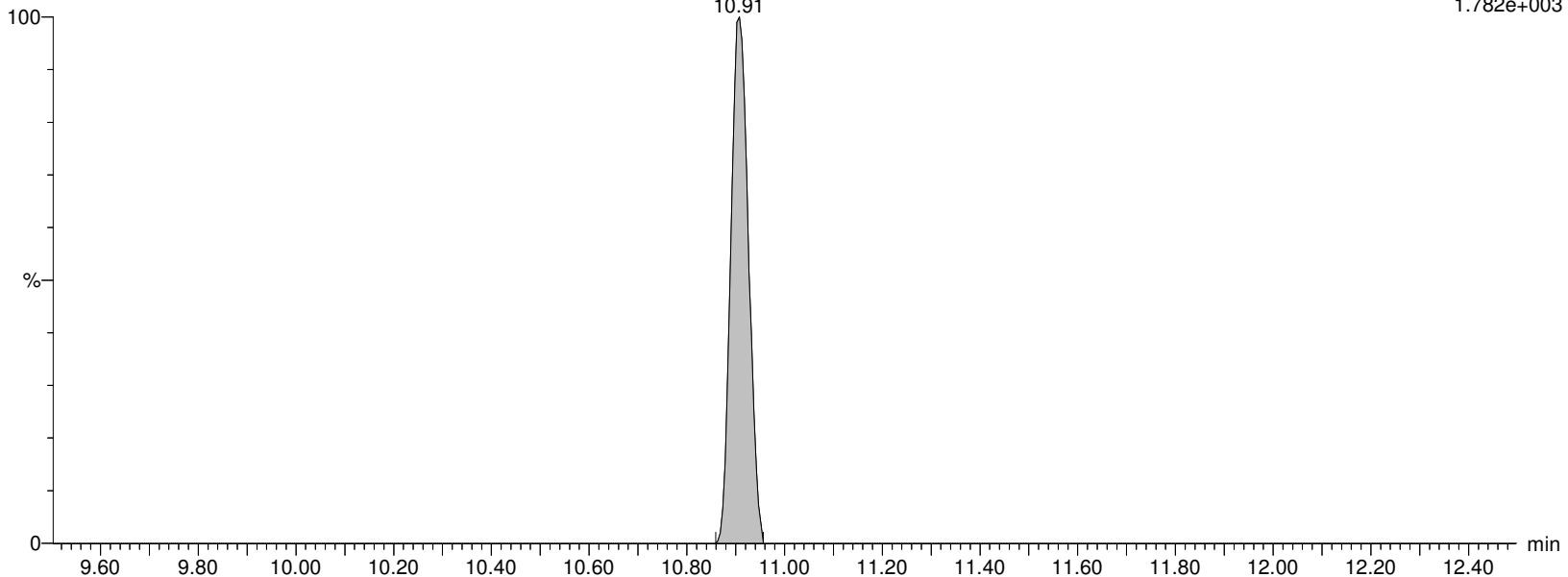
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F28:MRM of 2 channels, ES-

497.989 > 168.854

1.782e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

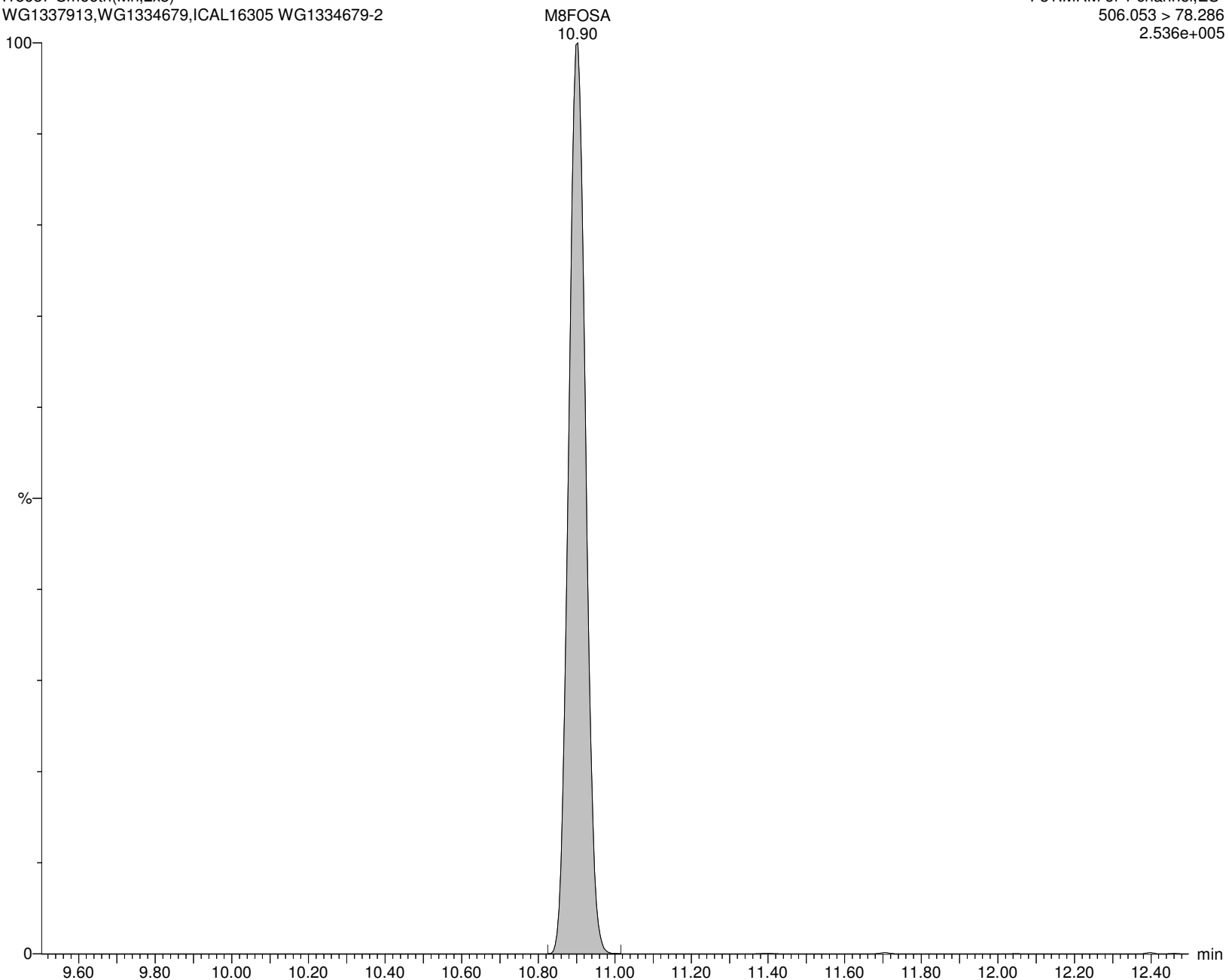
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F31:MRM of 1 channel, ES-

506.053 > 78.286

2.536e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

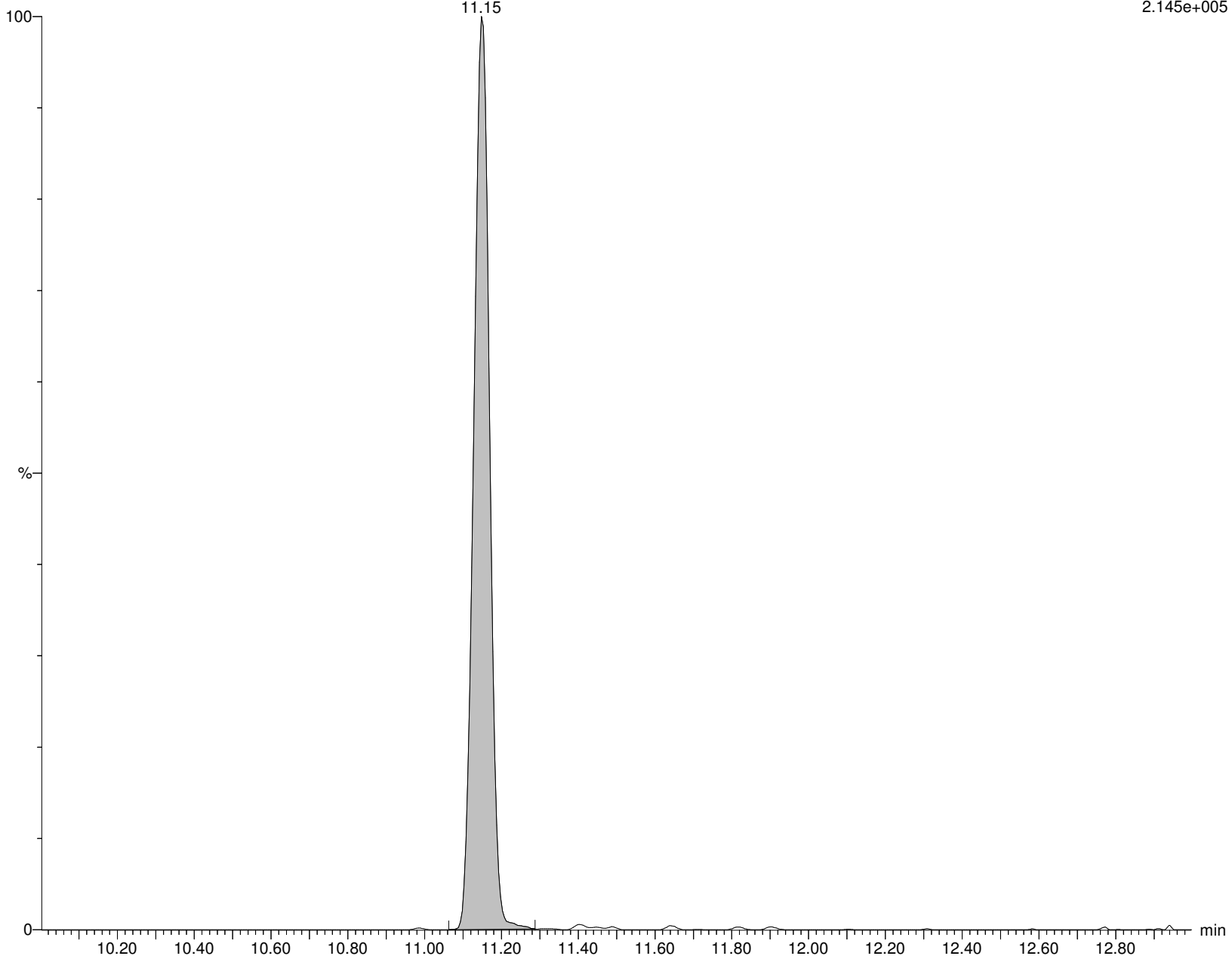
d5-NEtFOSAA

11.15

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.145e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

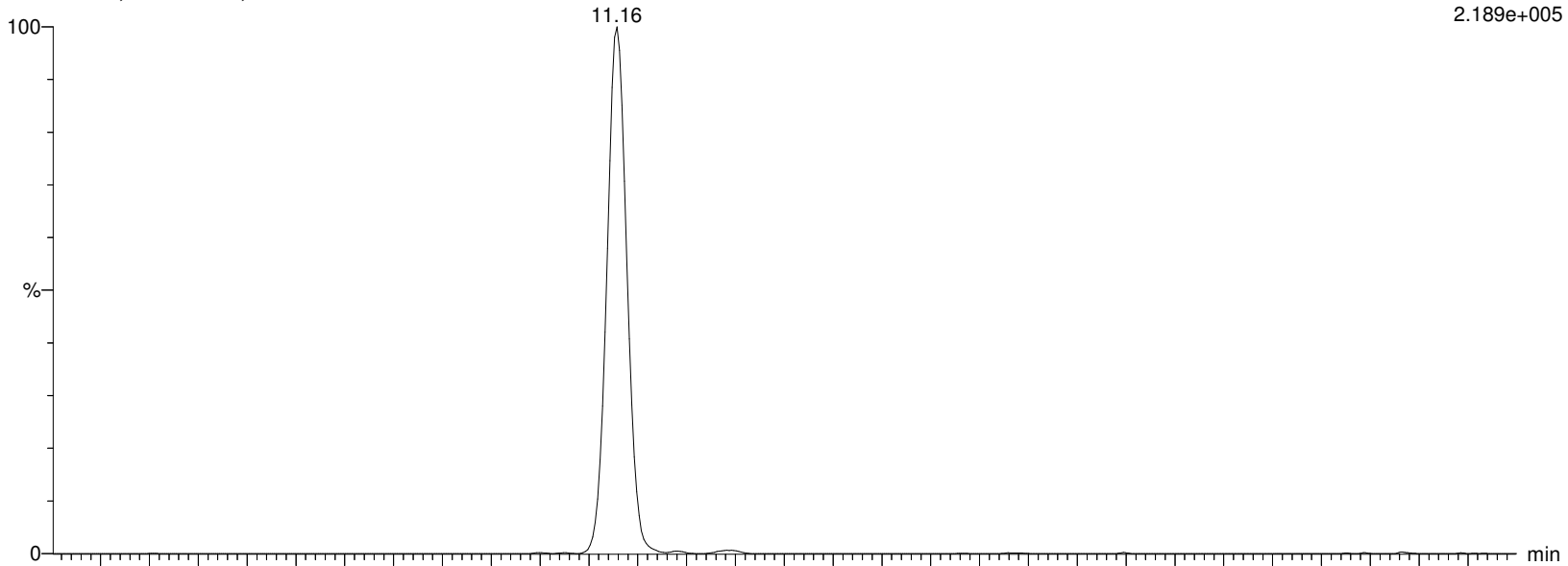
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.189e+005



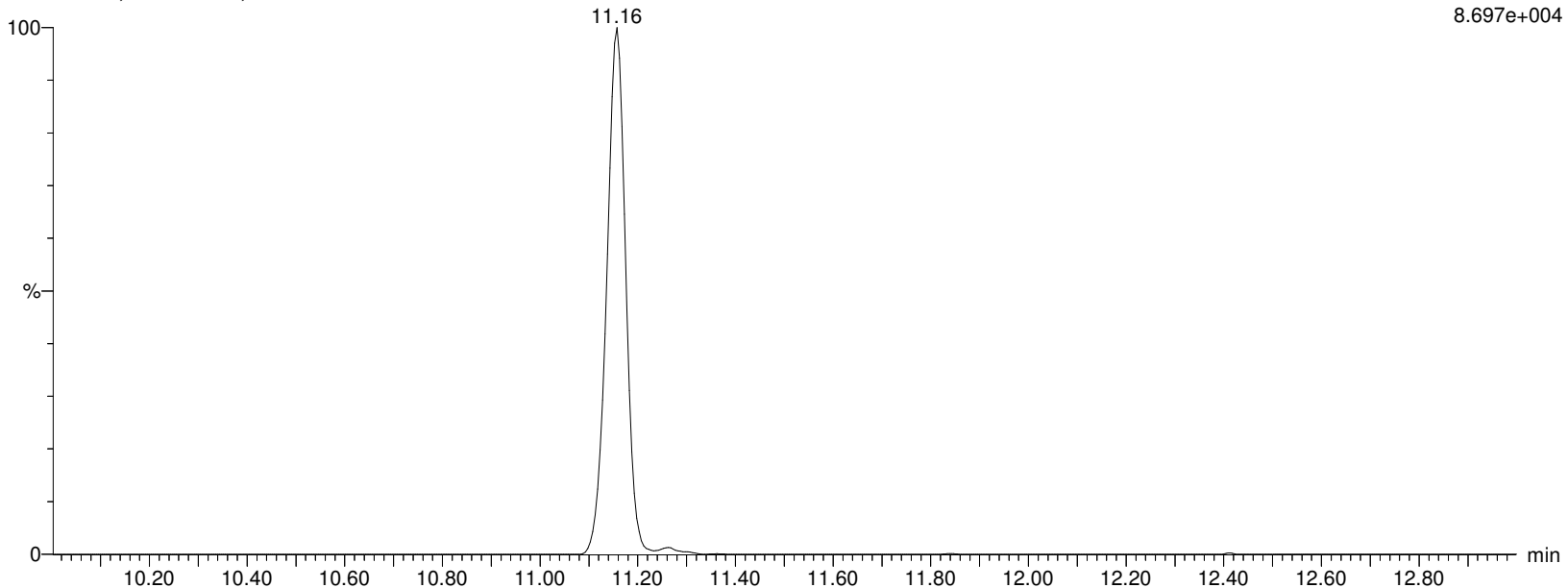
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.697e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

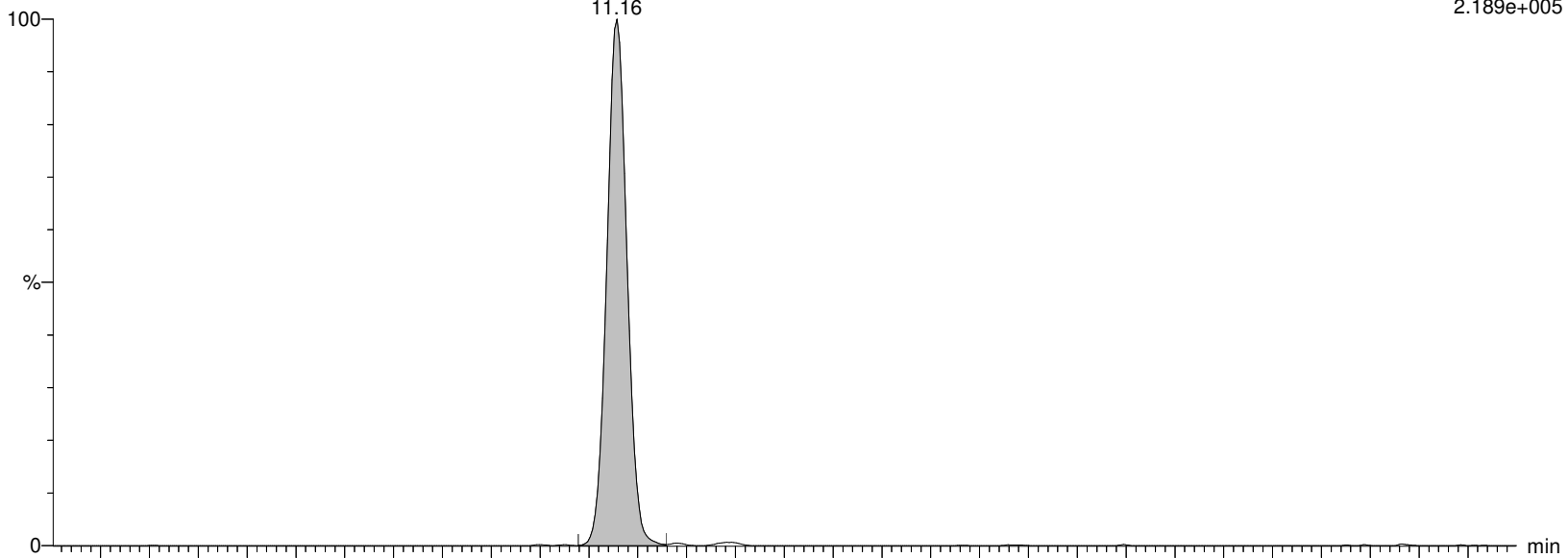
L-NEtFOSAA

11.16

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.189e+005



I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

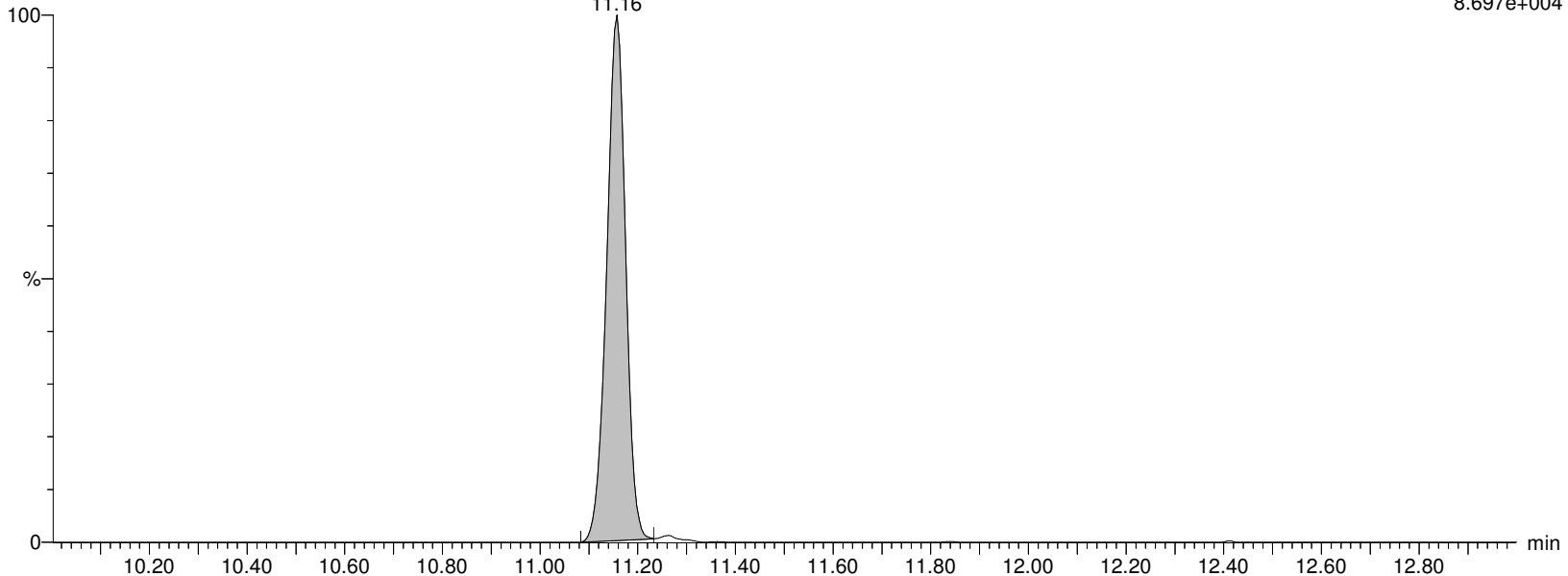
L-NEtFOSAA

11.16

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.697e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NetFOSAA

I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

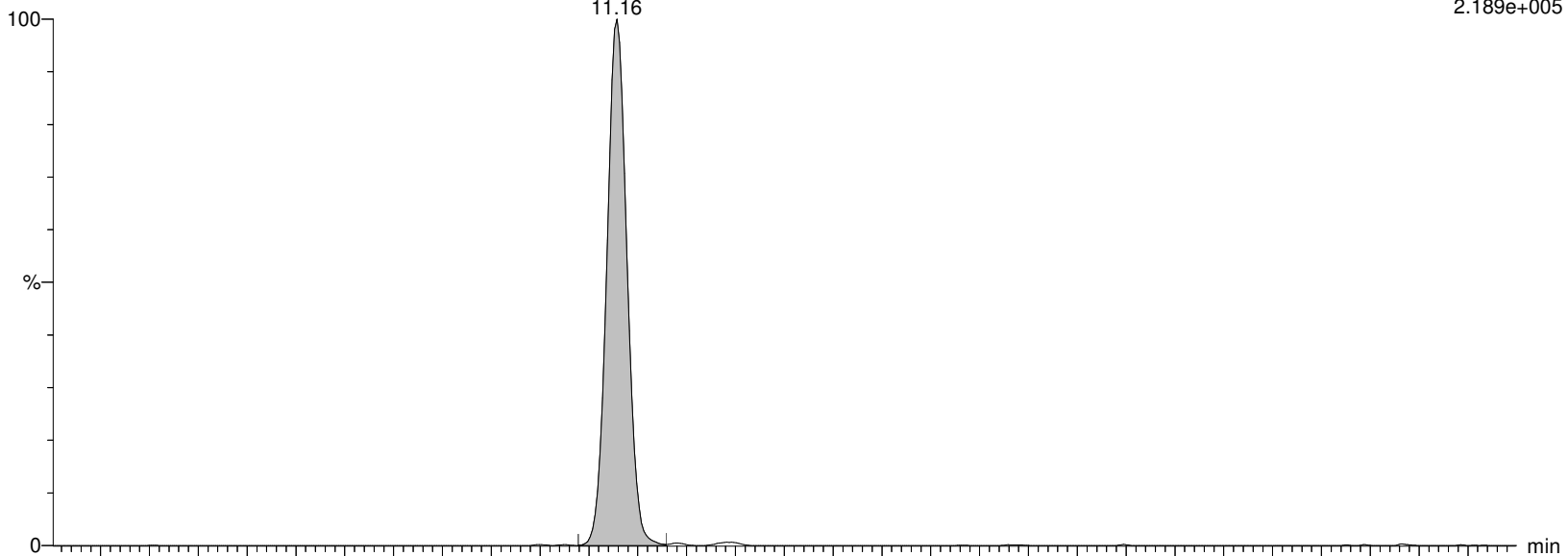
L-NEtFOSAA

11.16

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.189e+005



I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

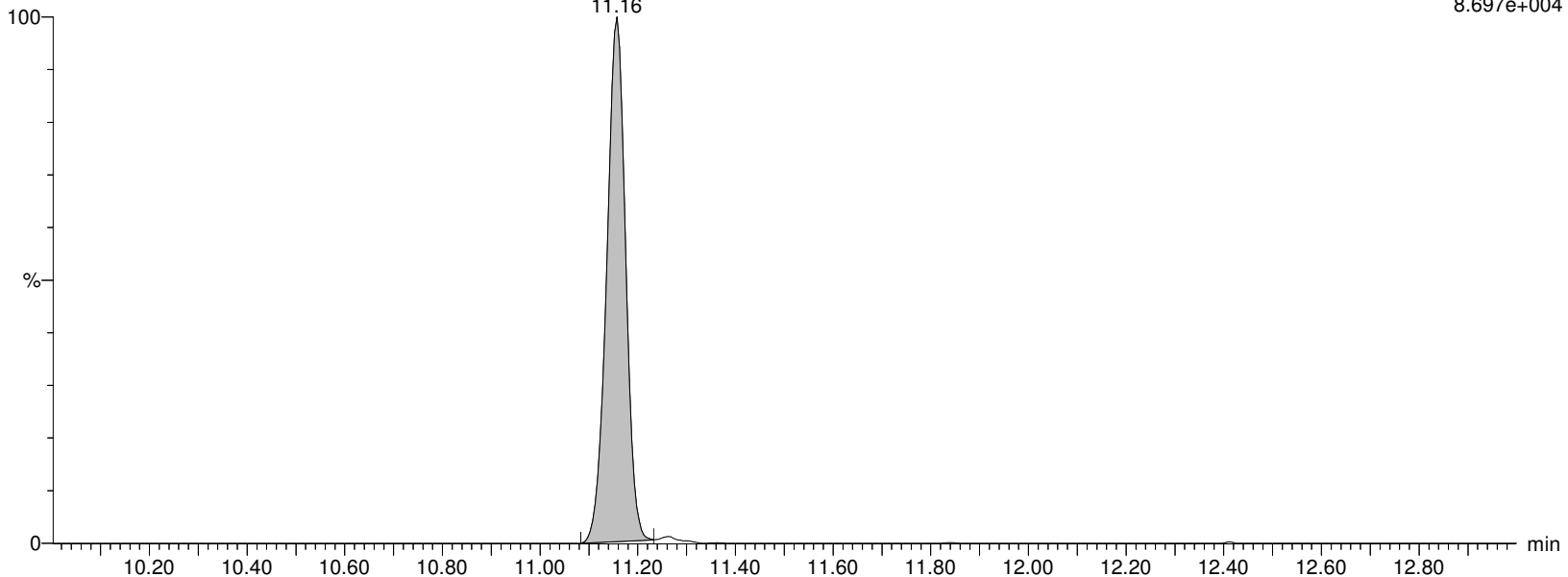
L-NEtFOSAA

11.16

F48:MRM of 2 channels, ES-

583.989 > 482.88

8.697e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFD0A**

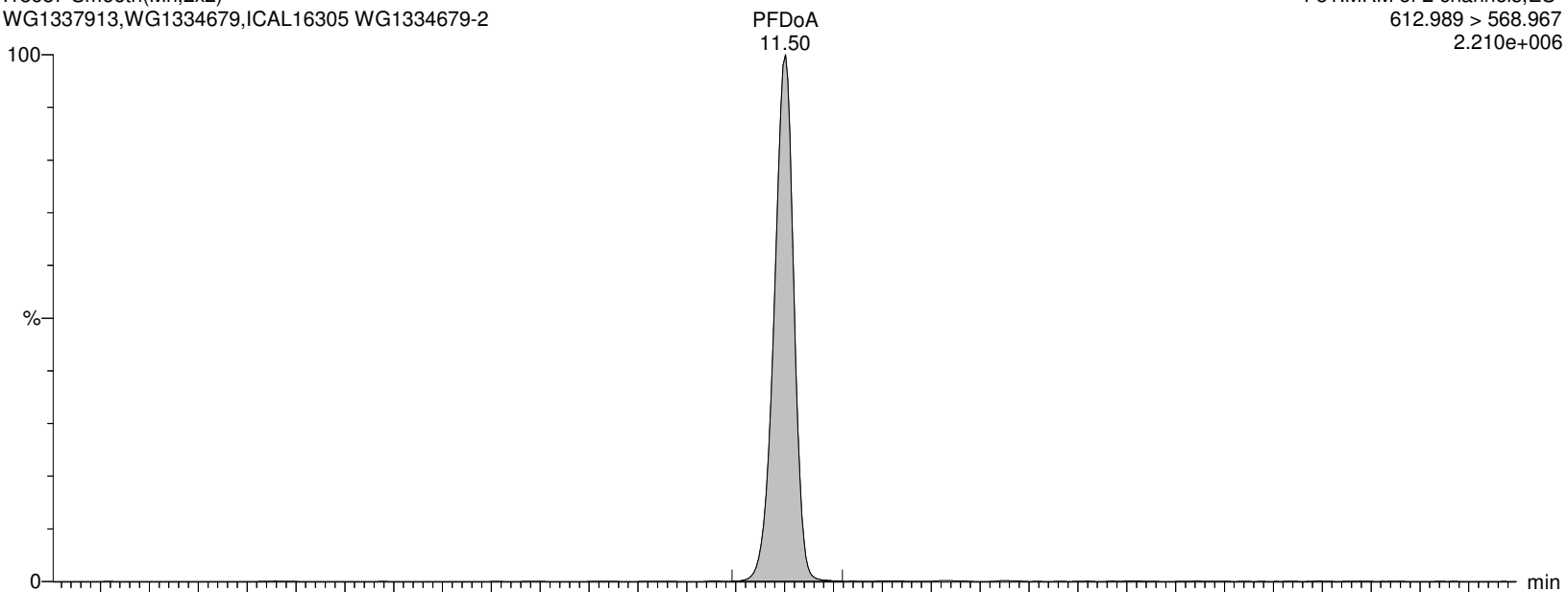
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F51:MRM of 2 channels, ES-

612.989 > 568.967

2.210e+006



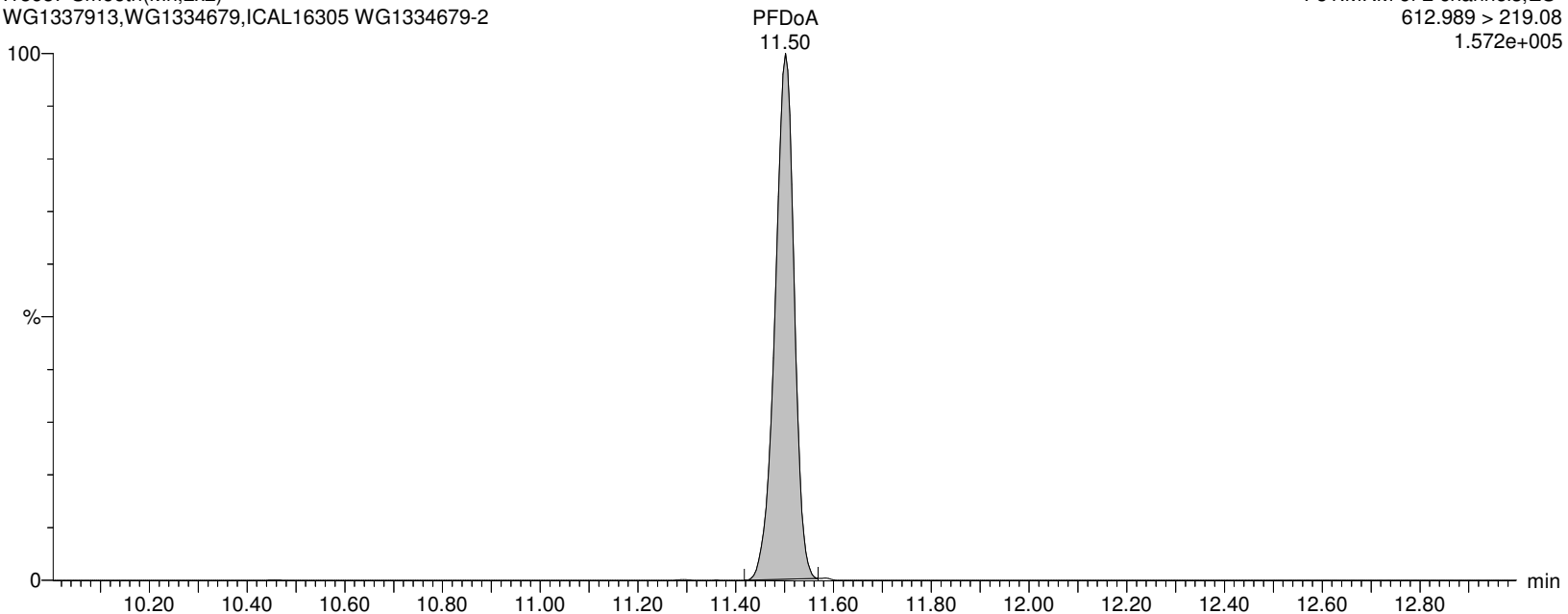
I18687 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F51:MRM of 2 channels, ES-

612.989 > 219.08

1.572e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

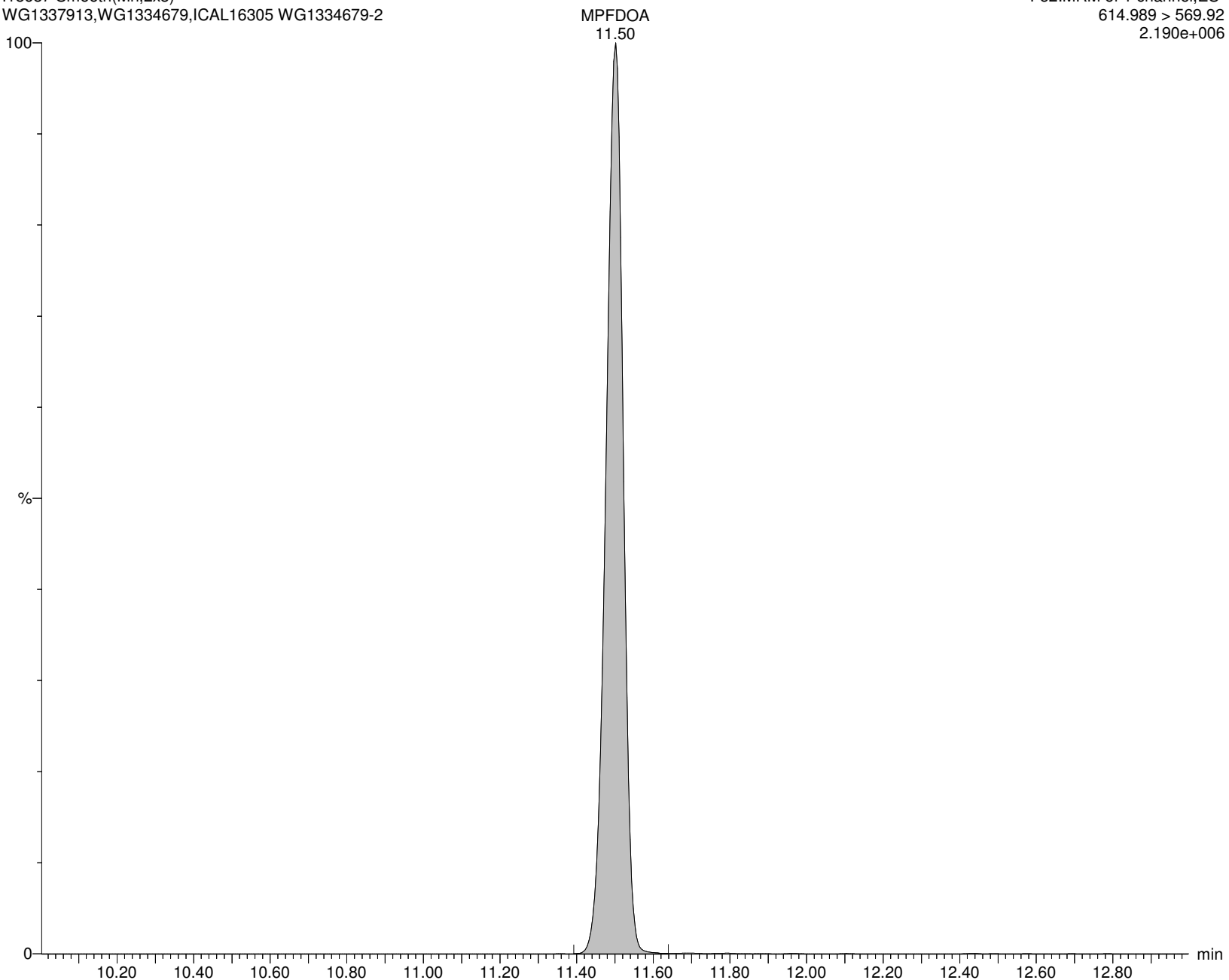
I18687 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-2

F52:MRM of 1 channel,ES-

614.989 > 569.92

2.190e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFTTrDA**

I18687 Smooth(Mn,2x2)

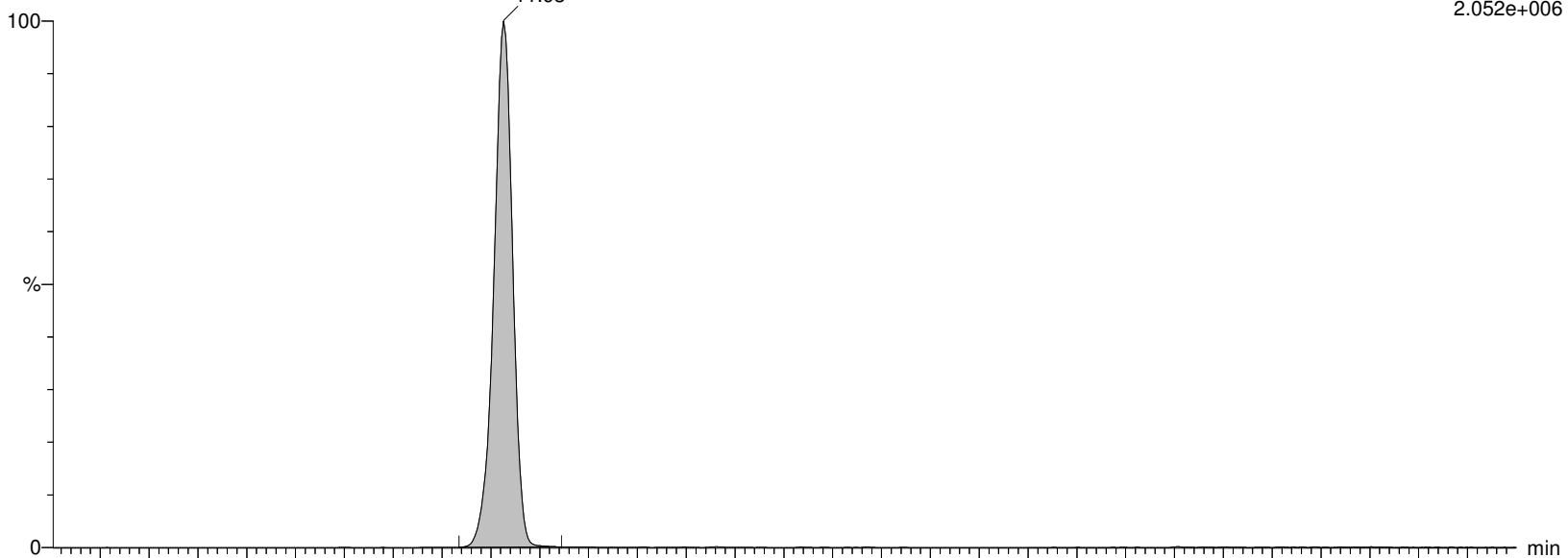
WG1337913, WG1334679, ICAL16305 WG1334679-2

PFTTrDA
11.93

F59:MRM of 2 channels, ES-

663.053 > 618.969

2.052e+006



I18687 Smooth(Mn,2x2)

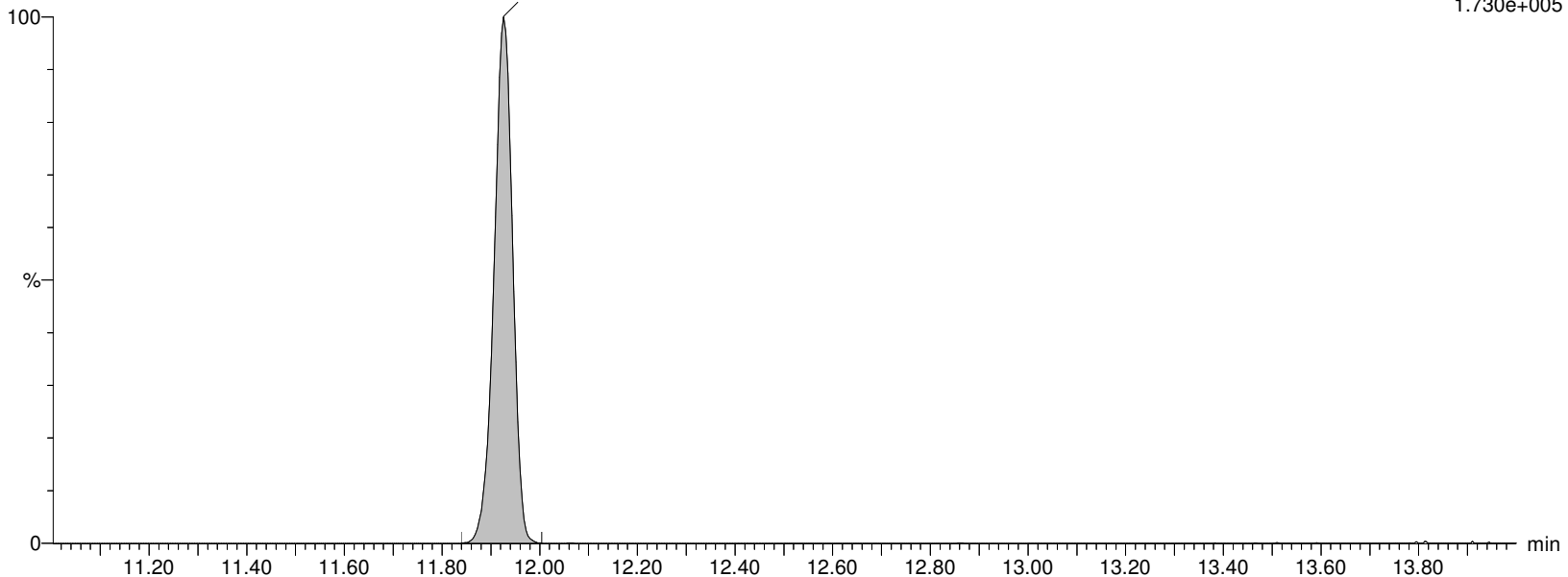
WG1337913, WG1334679, ICAL16305 WG1334679-2

PFTTrDA
11.93

F59:MRM of 2 channels, ES-

663.053 > 319.02

1.730e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687

ID: WG1334679-2

Date: 07-Feb-2020

Time: 02:37:17

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,1

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

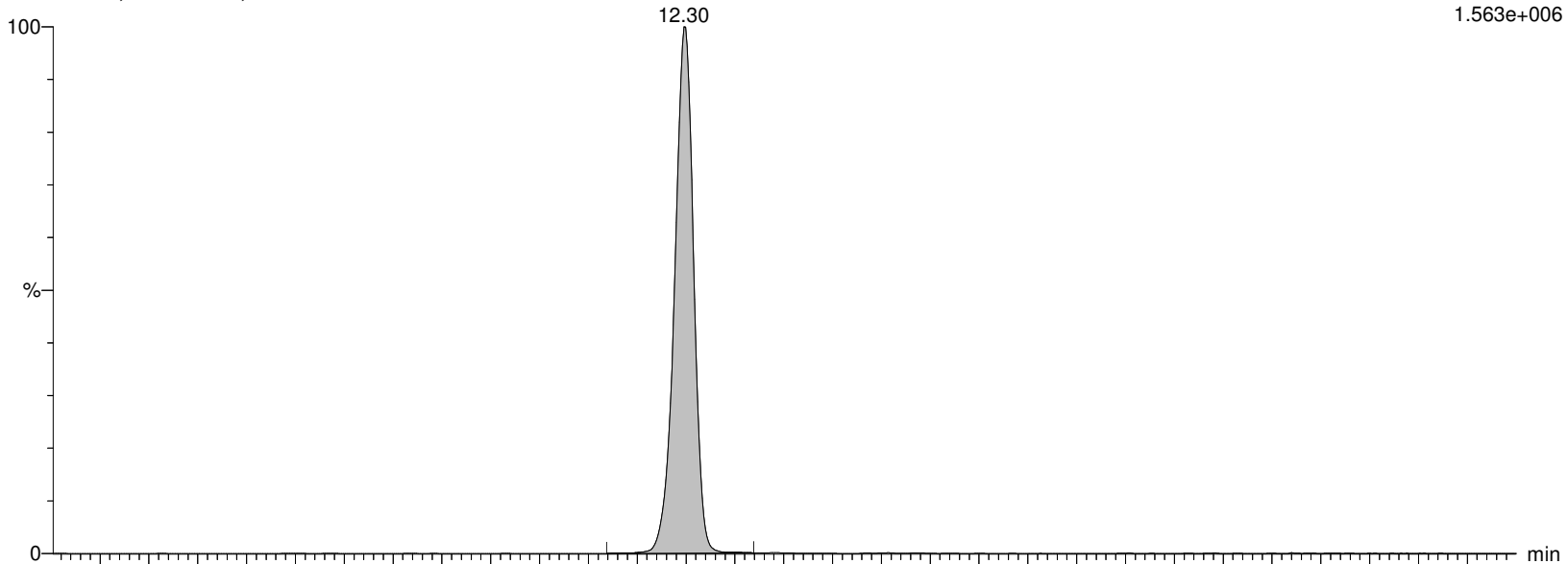
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F61:MRM of 2 channels, ES-

713.053 > 668.976

1.563e+006



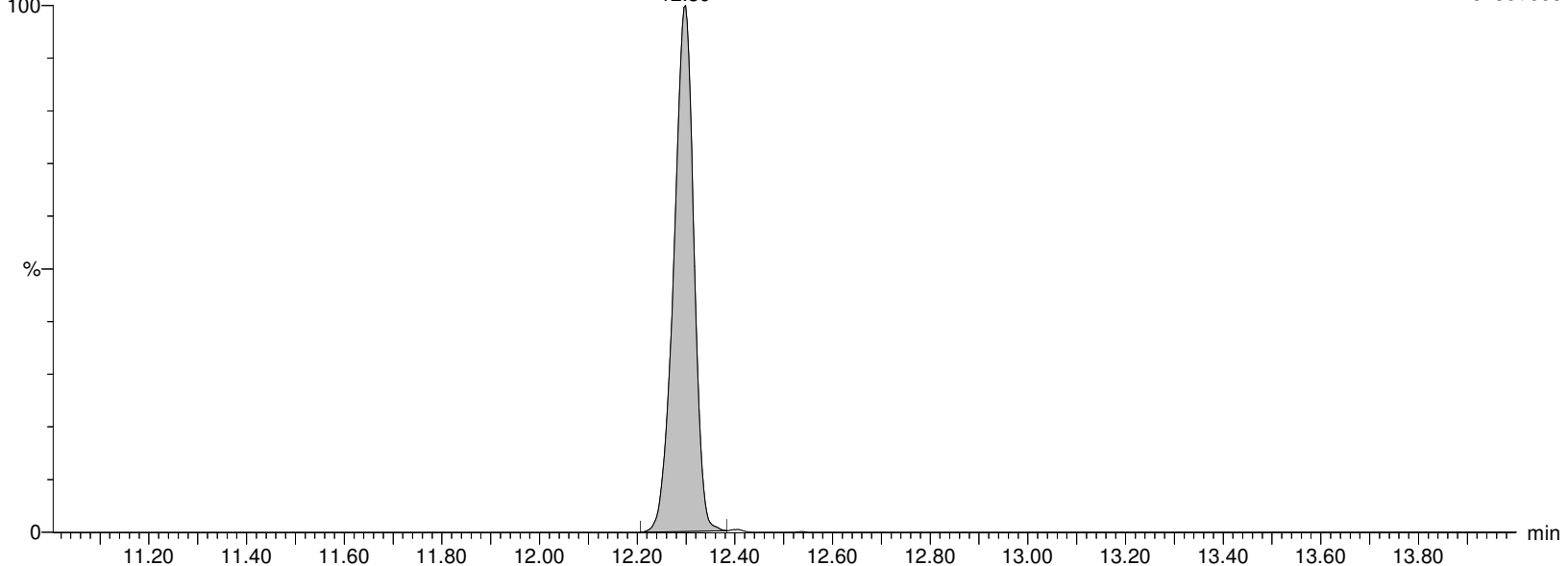
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.618e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:48 Eastern Standard Time

Name: I18687**ID: WG1334679-2****Date: 07-Feb-2020****Time: 02:37:17****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,1****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

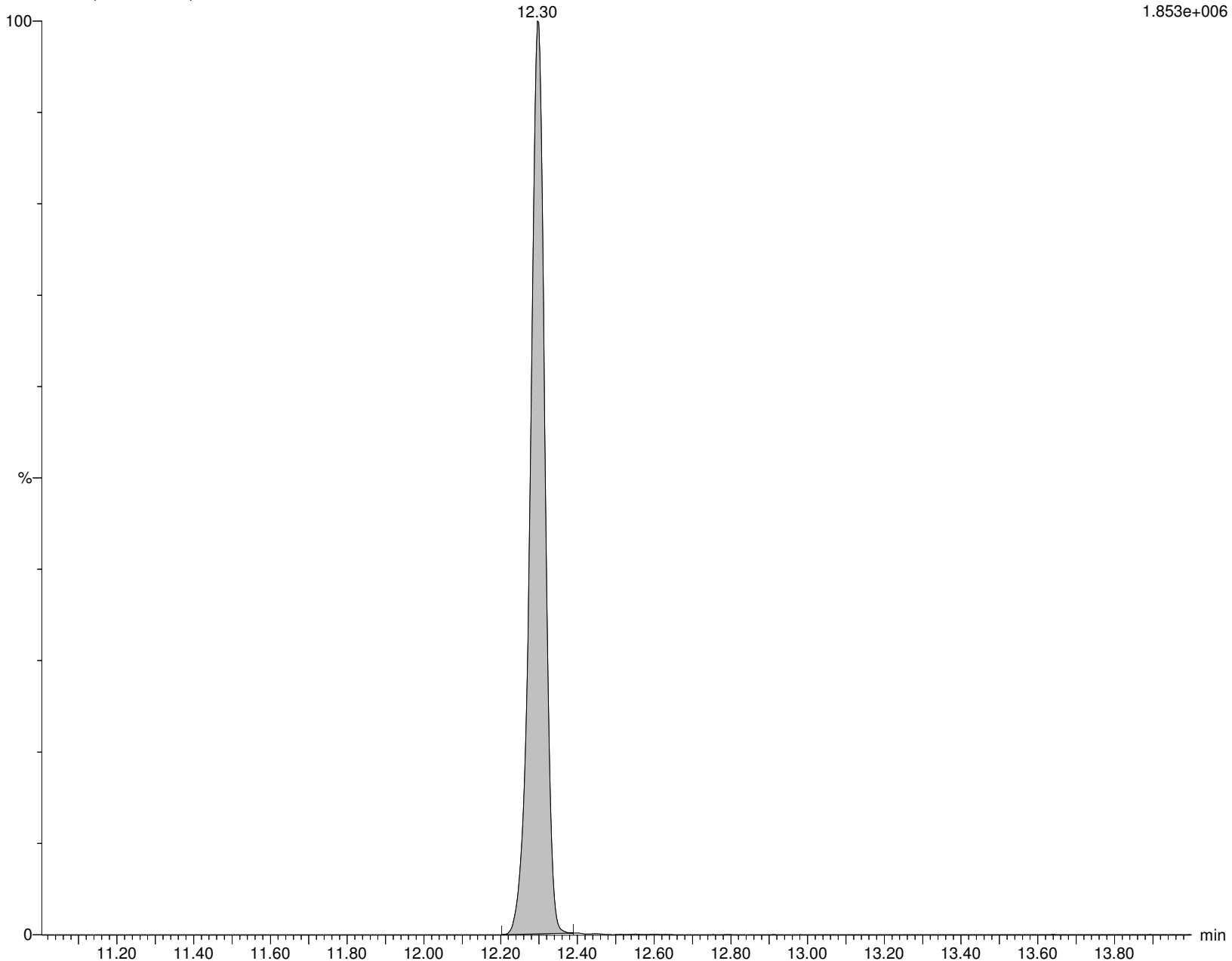
I18687 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-2

F62:MRM of 1 channel, ES-

715.053 > 669.945

1.853e+006



Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld
Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time
Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22
Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1334679-3
Name: I18688
Date: 07-Feb-2020
Time: 02:53:51
Description: WG1337913, WG1334679, ICAL16305
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.20	212.926 > 169.111	44138		11.018		na	110.2
2	M3PFBA	INT STD	2.20	215.926 > 172.122	49484		10.679		na	106.8
3	MPFBA	INT STD	2.19	216.926 > 172.137	47979		8.910		na	89.1
4	PFPeA	2706-90-3	5.07	262.926 > 219.002	87573		11.665		na	116.6
5	M5PFPEA	INT STD	5.07	267.989 > 223.081	77731		10.177		na	101.8
6	PFBS	375-73-5	5.71	298.926 > 79.923	13680	m4	9.784	1.99	NO	110.6
7	M3PFBS	INT STD	5.71	301.989 > 80.254	9516		8.297		na	83.0
8	4:2FTS	757124-72-4	6.87	326.926 > 306.957	8119		11.190	2.21	NO	119.7
9	M2-4:2FTS	INT STD	6.87	329.117 > 309.079	6761		9.080		na	90.8
10	PFHxA	307-24-4	6.95	312.989 > 269.028	93295		11.061	18.75	NO	110.6
11	M5PFHxA	INT STD	6.95	317.989 > 273.045	91628		8.551		na	85.5
12	PFPeS	2706-91-4	7.26	348.926 > 80.251	9381		9.500	1.76	NO	101.1
13	PFHpA	375-85-9	8.20	362.926 > 319.014	124032		10.742	5.68	NO	107.4
14	M4PFHpA	INT STD	8.20	366.926 > 321.979	127998		8.968		na	89.7
15	br-PFHxS	355-46-4	8.13	398.926 > 80.295	1113	M5	1.585	2.08	NO	93.2
16	L-PFHxS	355-46-4	8.34	398.926 > 80.295	6106		8.256	1.24	NO	111.6
17	PFHxS	355-46-4		398.926 > 80.295	7220		9.841		na	
18	M3PFHxS	INT STD	8.34	401.926 > 80.317	5905		8.920		na	89.2
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.10	412.989 > 368.9	129204		11.720	10.56	NO	117.2
21	PFOA	335-67-1		412.989 > 368.9	129204		11.720		na	
22	M8PFOA	INT STD	9.09	420.989 > 375.979	120055		8.765		na	87.7
23	M2PFOA	INT STD	9.09	415.032 > 369.968	139978		13.241		na	132.4
24	6:2FTS	27619-97-2	9.05	426.989 > 406.921	7580		12.740	11.63	NO	134.1
25	M2-6:2FTS	INT STD	9.05	428.989 > 408.917	7558		10.386		na	103.9
26	PFHpS	375-92-8	9.18	448.926 > 80.257	5324		11.269	0.80	NO	118.6
27	PFNA	375-95-1	9.83	462.989 > 418.931	118398		11.705	4.77	NO	117.0
28	M9PFNA	INT STD	9.83	472.053 > 426.947	123474		9.162		na	91.6
29	br-PFOS	1763-23-1	9.70	498.989 > 80.294	1688	M5	1.795	3.30	NO	89.8
30	L-PFOS	1763-23-1	9.88	498.989 > 80.294	6204		8.810	1.69	YES	120.7
31	PFOS	1763-23-1		498.989 > 80.294	7892		10.605		na	
32	M4PFOS	INT STD	9.88	503.032 > 80.306	8194		11.732		na	117.3
33	M8PFOS	INT STD	9.88	507.053 > 80.294	7175		8.535		na	85.3
34	PFDA	335-76-2	10.45	513.053 > 468.906	111424		11.067	7.10	NO	110.7
35	M2PFDA	INT STD	10.45	515.053 > 469.934	126919		14.375		na	143.8
36	M6PFDA	INT STD	10.45	519.053 > 473.931	117370		8.948		na	89.5
37	8:2FTS	39108-34-4	10.44	526.926 > 506.818	6346		13.921		na	145.0
38	M2-8:2FTS	INT STD	10.44	529.053 > 508.945	4387		10.277		na	102.8
39	PFNS	68259-12-1	10.48	548.989 > 80.249	7362		11.030	1.31	NO	114.9

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

ID: WG1334679-3

Name: I18688

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.83	573.096 > 418.987	11862		7.940		na	79.4
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.84	570.053 > 418.917	14589		13.197	2.77	NO	132.0
43	NMeFOSAA	2355-31-9		570.053 > 418.917	14589		13.197		na	
44	PFUnA	2058-94-8	10.99	562.989 > 518.903	115010		10.895	7.84	NO	109.0
45	M7-PFUDA	INT STD	10.99	570.053 > 524.923	110381		9.485		na	94.9
46	PFDS	335-77-3	11.00	598.926 > 80.314	5448		11.421	1.03	NO	118.3
47	FOSA	754-91-6	10.88	497.989 > 78.245	14606		10.647	277.09	NO	106.5
48	M8FOSA	INT STD	10.88	506.053 > 78.286	12910		4.163		na	41.6
49	d5-NEtFOSAA	INT STD	11.13	589.117 > 418.929	9697		7.348		na	73.5
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.14	583.989 > 418.927	10473		11.441	2.57	NO	114.4
52	NEtFOSAA	2991-50-6		583.989 > 418.927	10473		11.441		na	
53	PFDaA	307-55-1	11.48	612.989 > 568.967	116002		12.425	15.30	NO	124.3
54	MPFDOA	INT STD	11.48	614.989 > 569.92	110228		8.443		na	84.4
55	PFTTrDA	72629-94-8	11.91	663.053 > 618.969	95888		12.861	11.68	NO	128.6
56	PFTA	376-06-7	12.28	713.053 > 668.976	74970		11.610	9.34	NO	116.1
57	M2PFTEDA	INT STD	12.28	715.053 > 669.945	80633		7.776		na	77.8

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

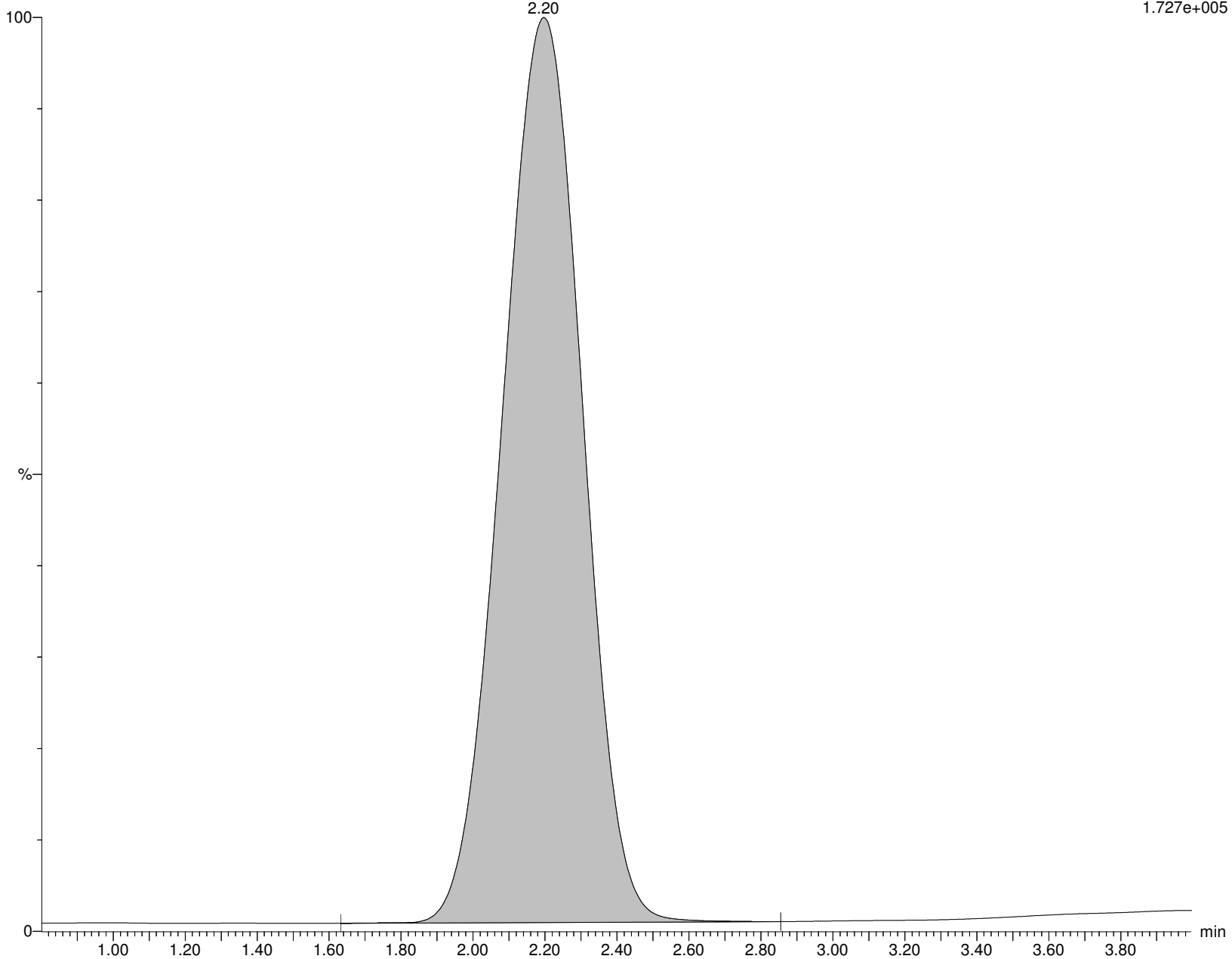
I18688 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F1:MRM of 1 channel,ES-

212.926 > 169.111

1.727e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBA**

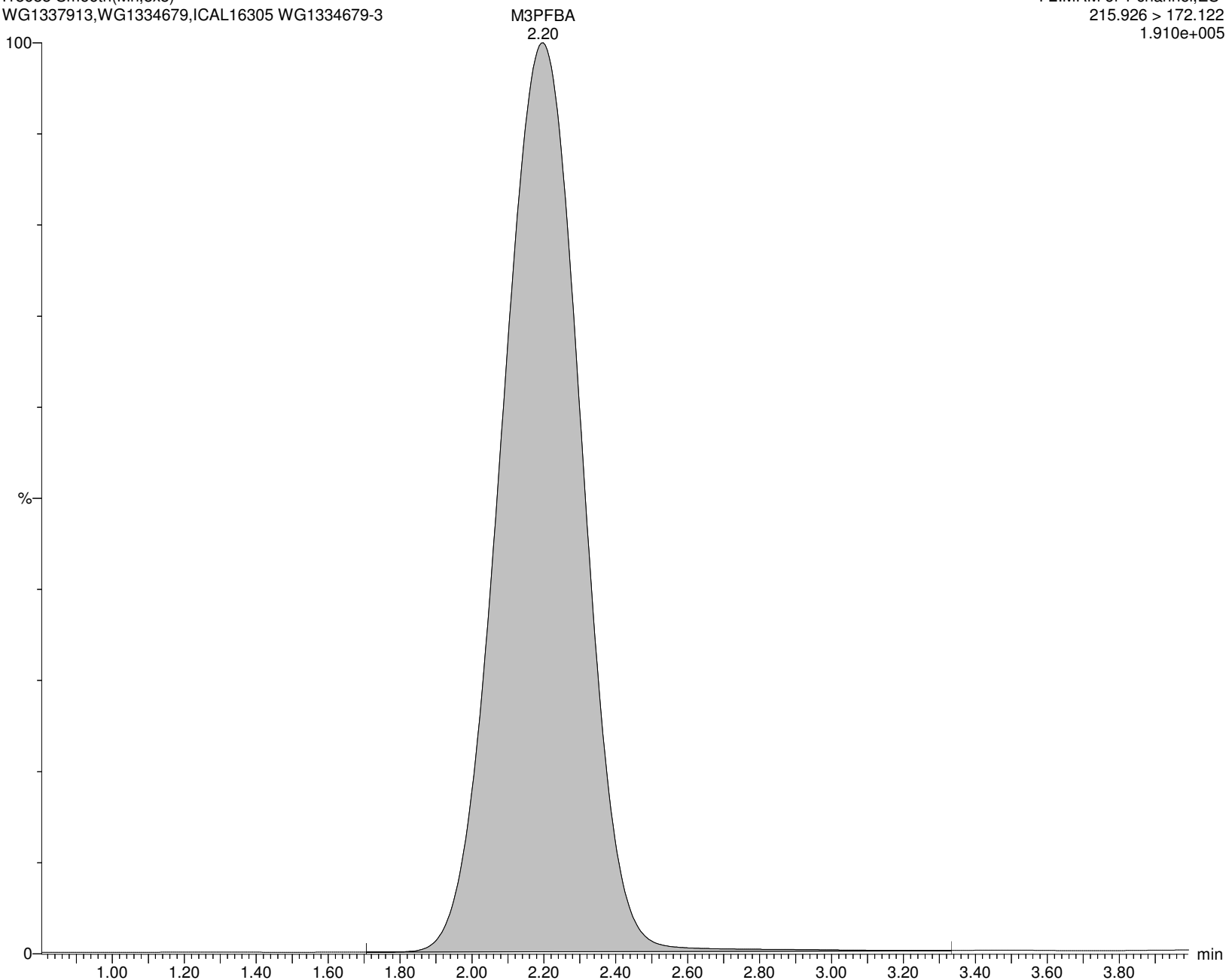
I18688 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.910e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

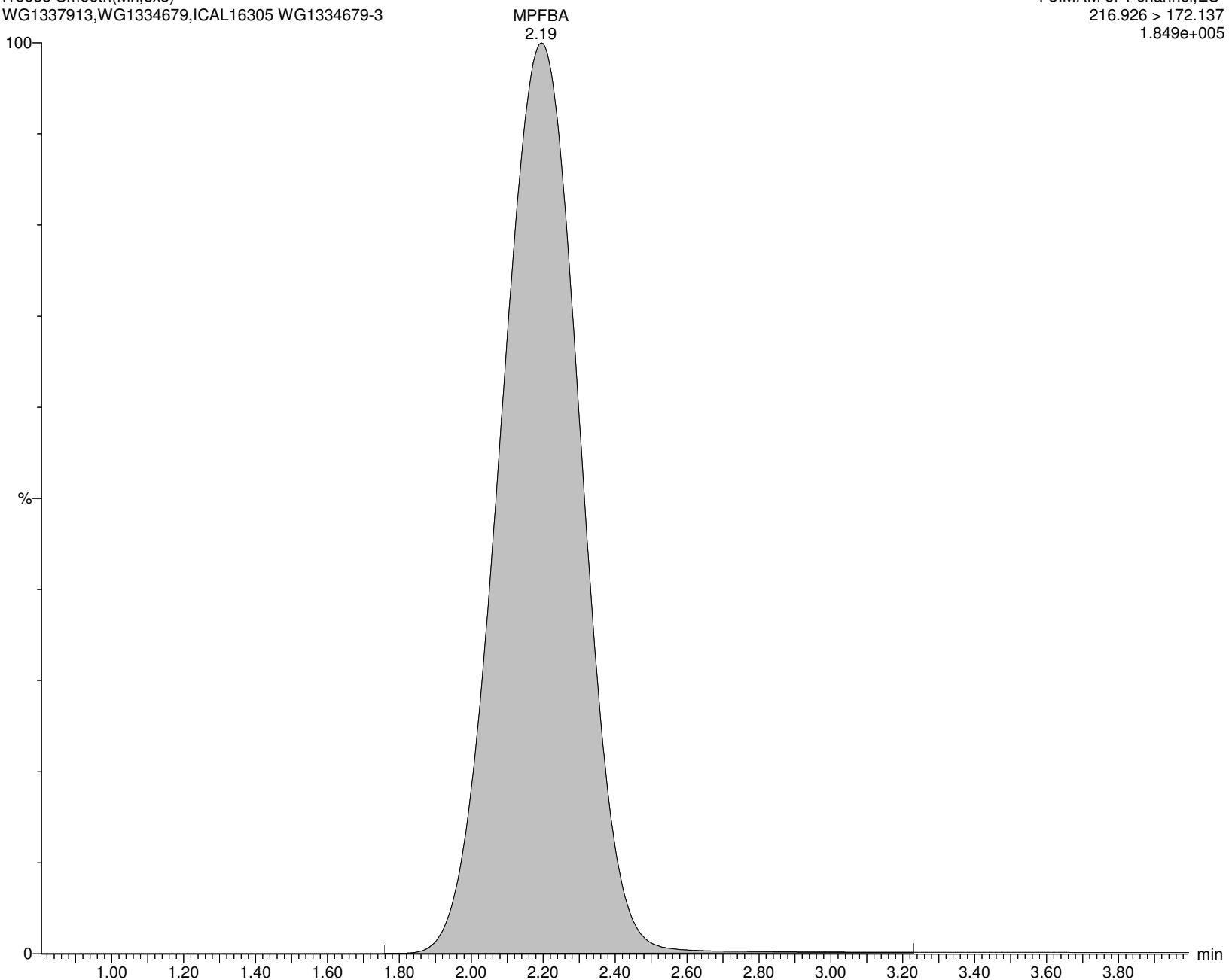
I18688 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F3:MRM of 1 channel, ES-

216.926 > 172.137

1.849e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeA**

I18688 Smooth(Mn,7x7)

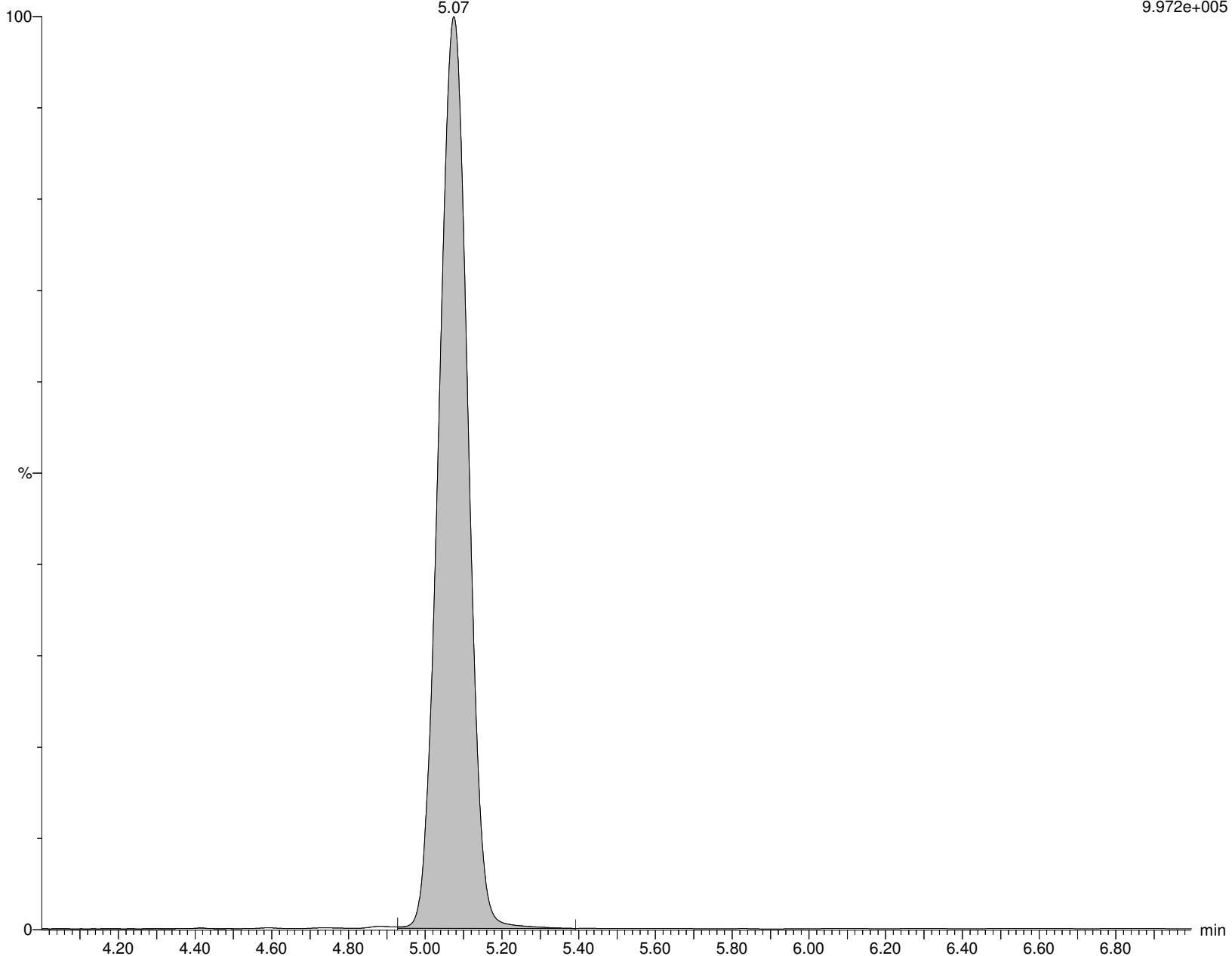
WG1337913, WG1334679, ICAL16305 WG1334679-3

PFPeA
5.07

F4:MRM of 1 channel, ES-

262.926 > 219.002

9.972e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18688 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-3

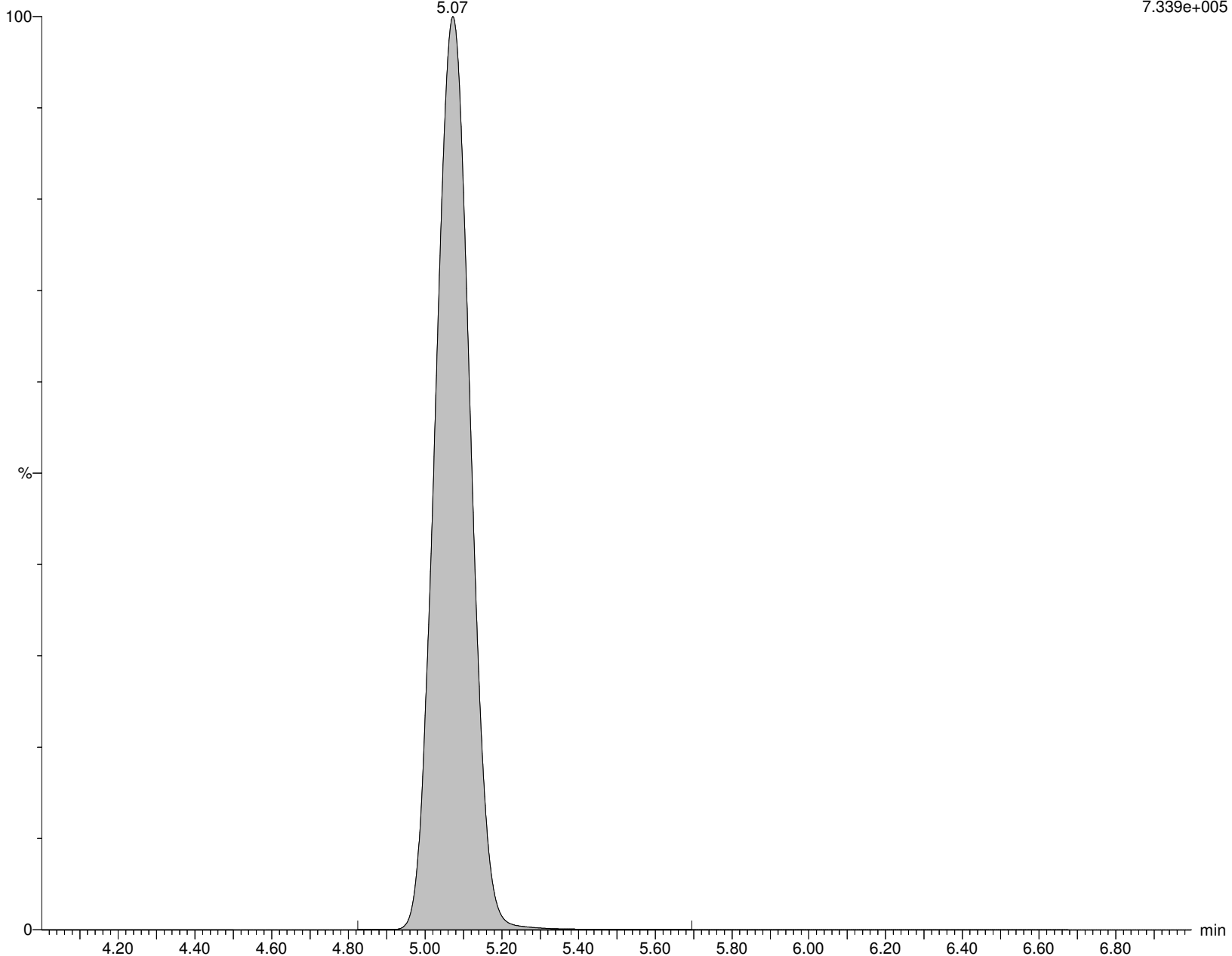
M5PFPEA

5.07

F5:MRM of 1 channel, ES-

267.989 > 223.081

7.339e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFBS**

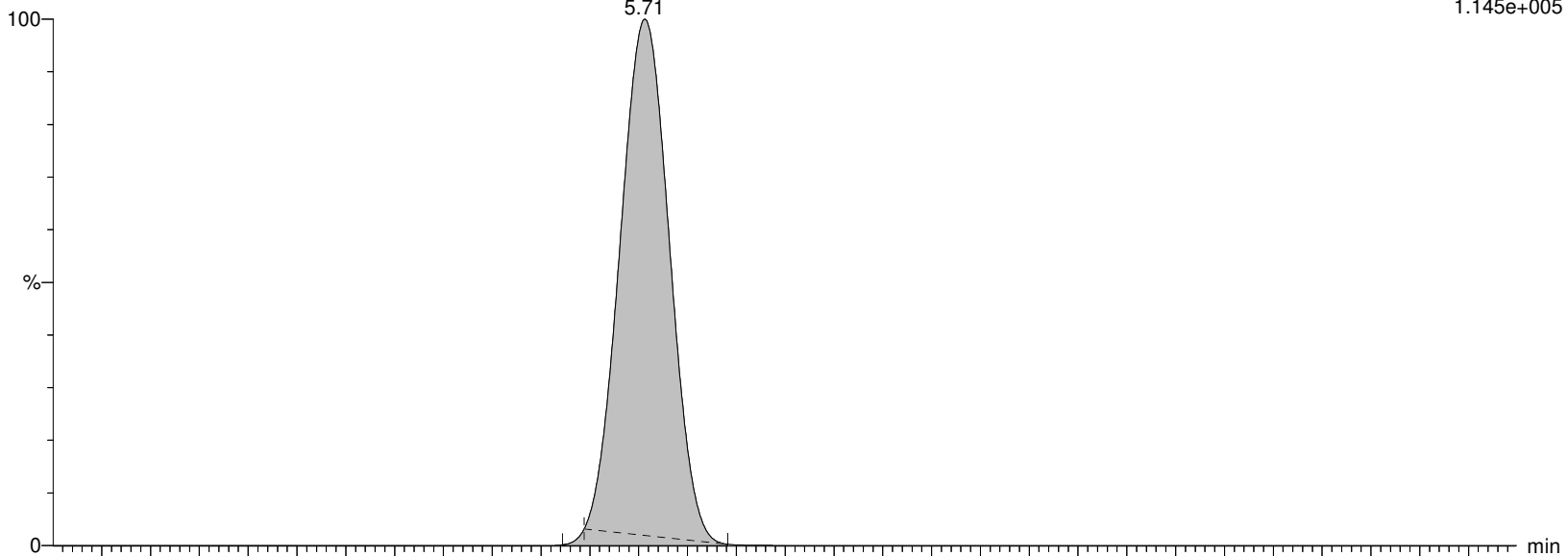
I18688 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F7:MRM of 2 channels, ES-

298.926 > 79.923

1.145e+005



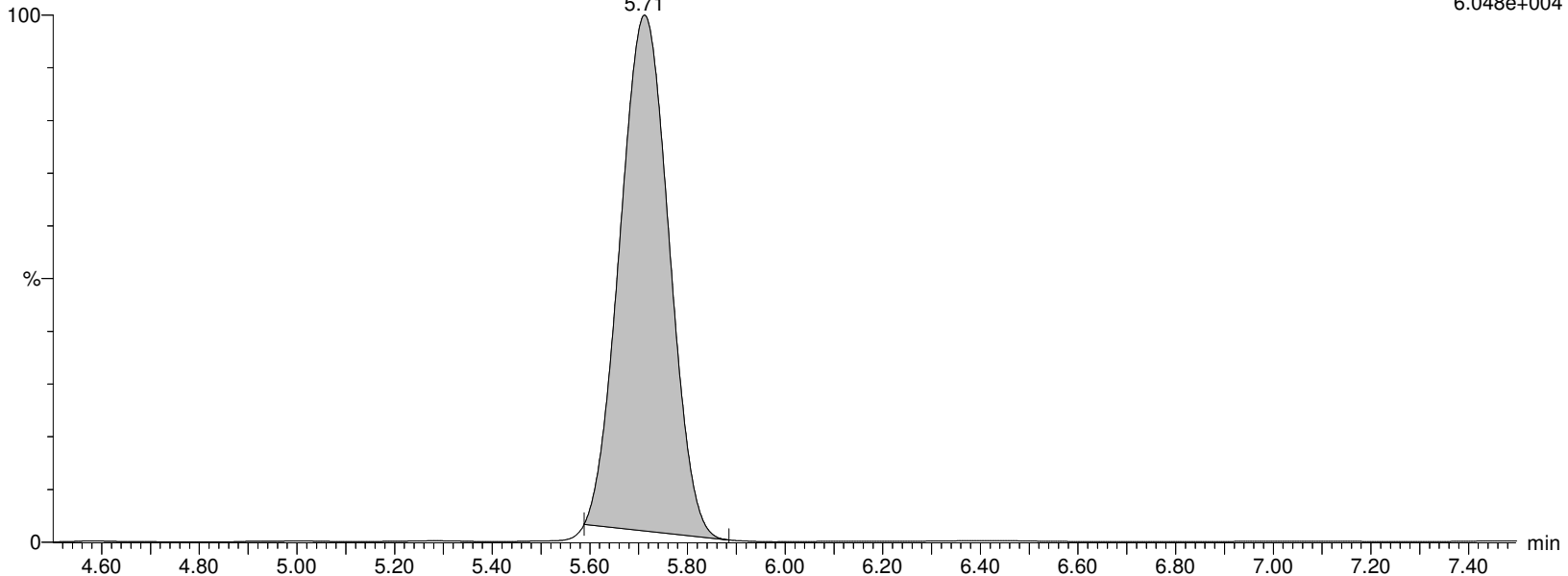
I18688 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F7:MRM of 2 channels, ES-

298.926 > 98.862

6.048e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

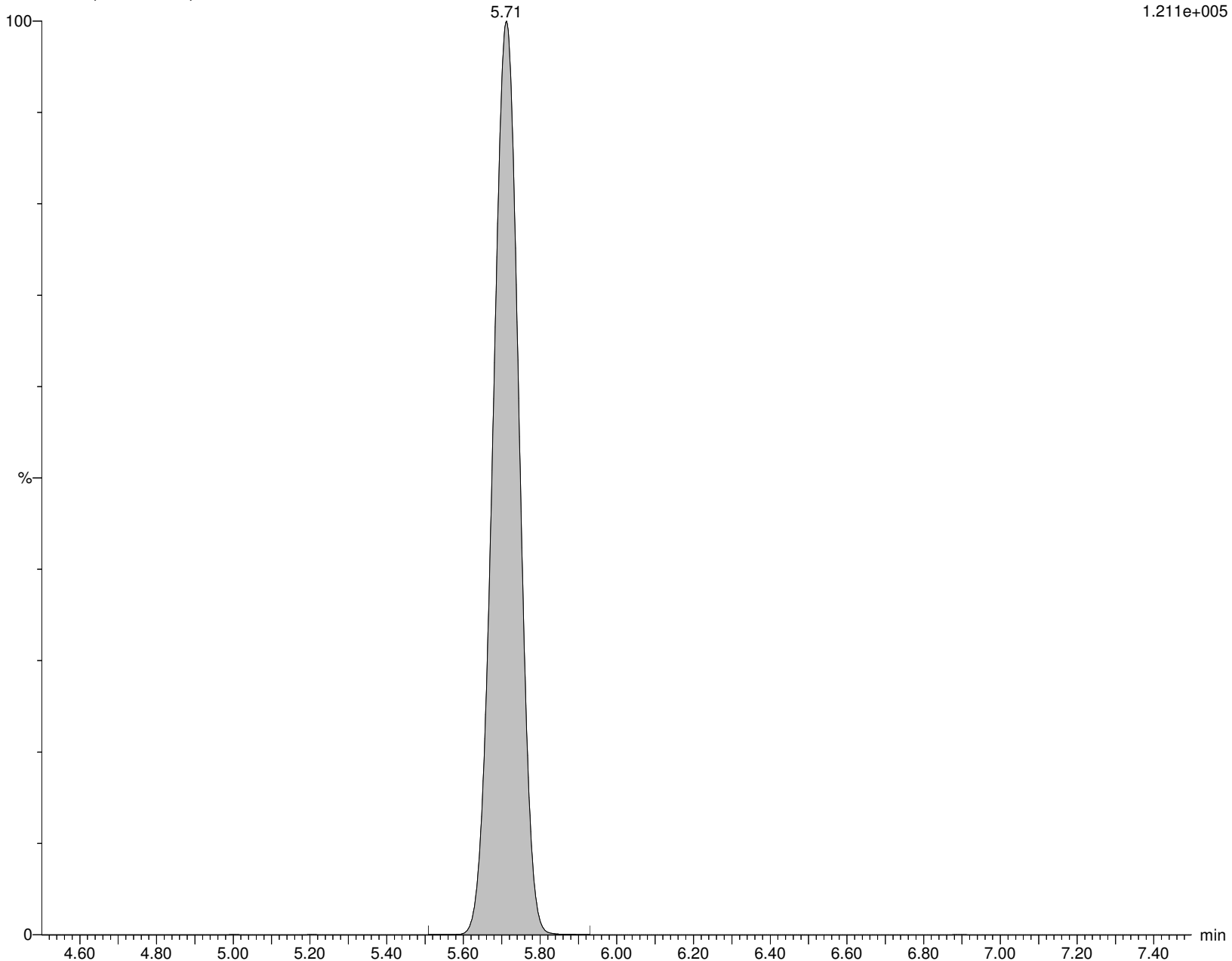
I18688 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.211e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****4:2FTS**

I18688 Smooth(Mn,2x3)

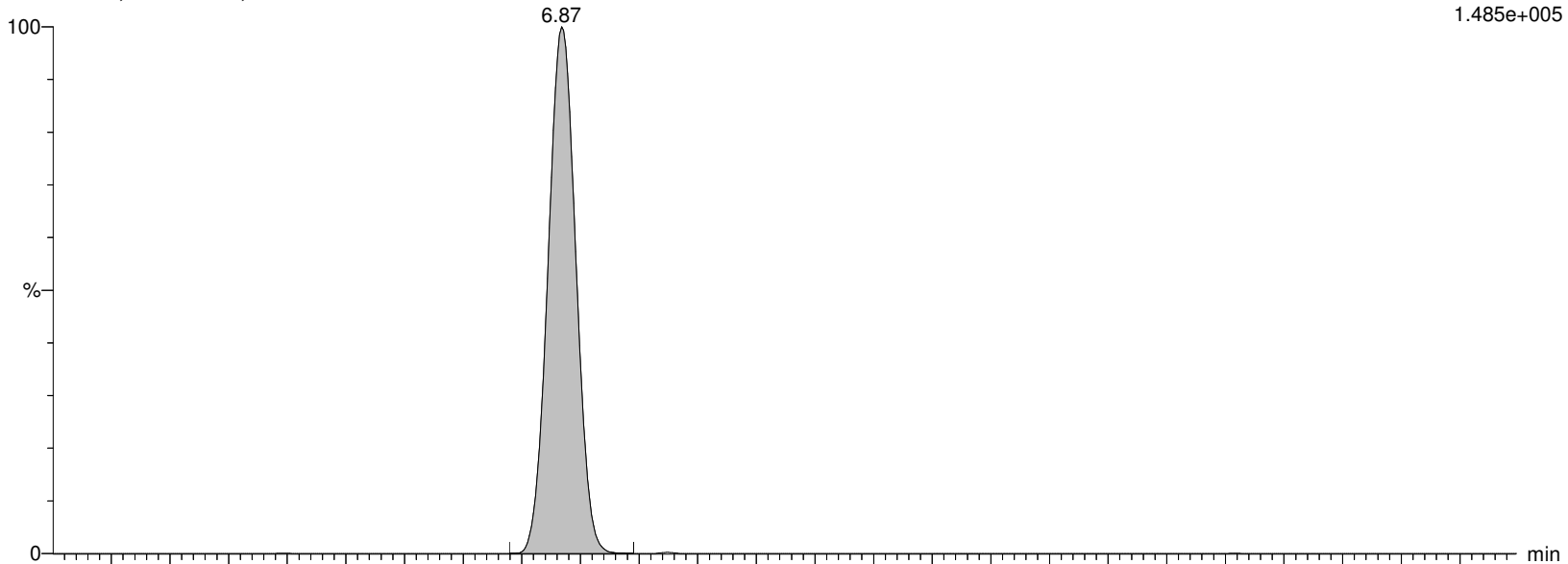
WG1337913, WG1334679, ICAL16305 WG1334679-3

4:2FTS

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.485e+005



I18688 Smooth(Mn,2x3)

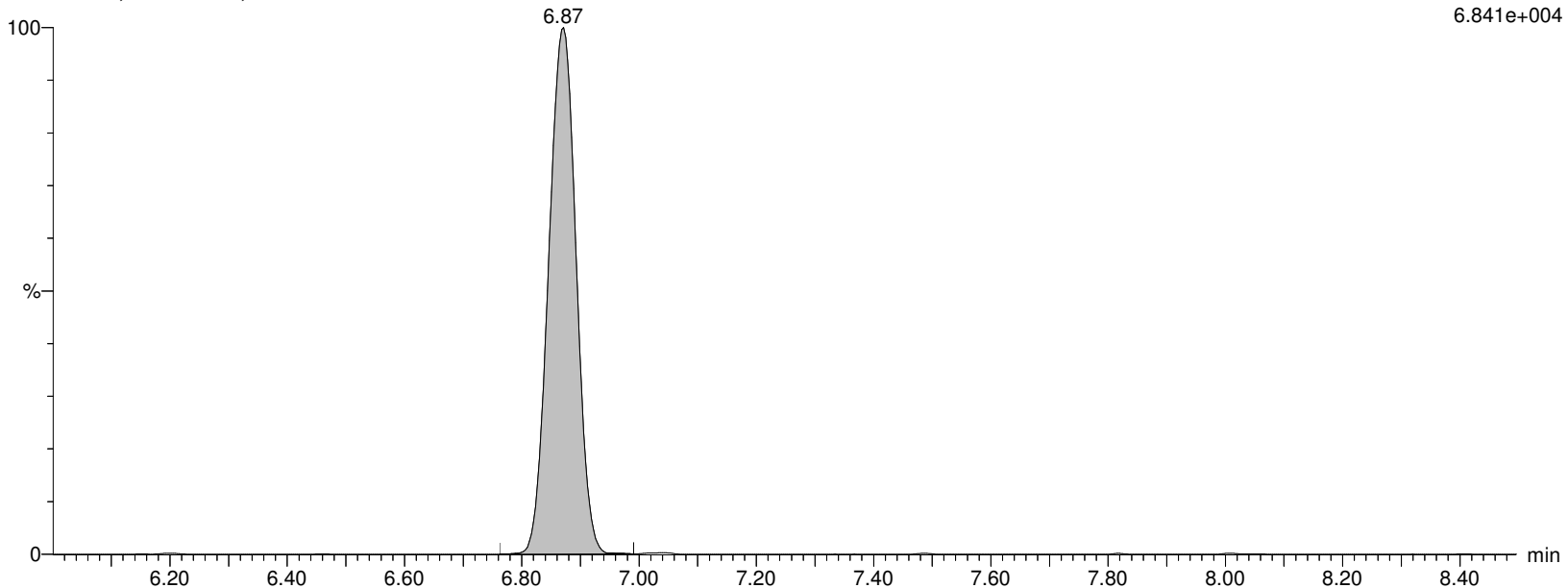
WG1337913, WG1334679, ICAL16305 WG1334679-3

4:2FTS

F11:MRM of 2 channels, ES-

326.926 > 81.02

6.841e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

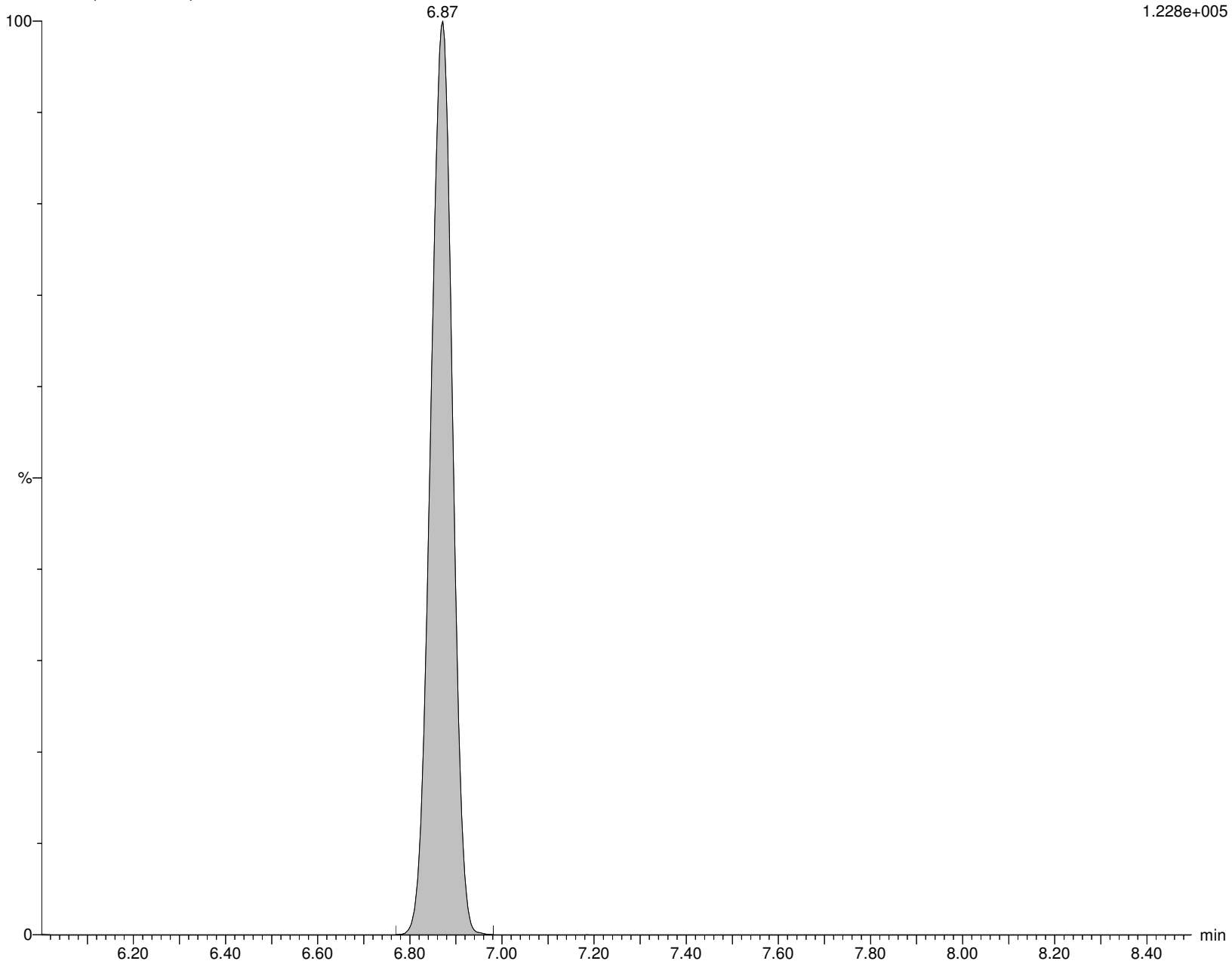
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3 M2-4:2FTS

F12:MRM of 2 channels, ES-

329.117 > 309.079

1.228e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHxA**

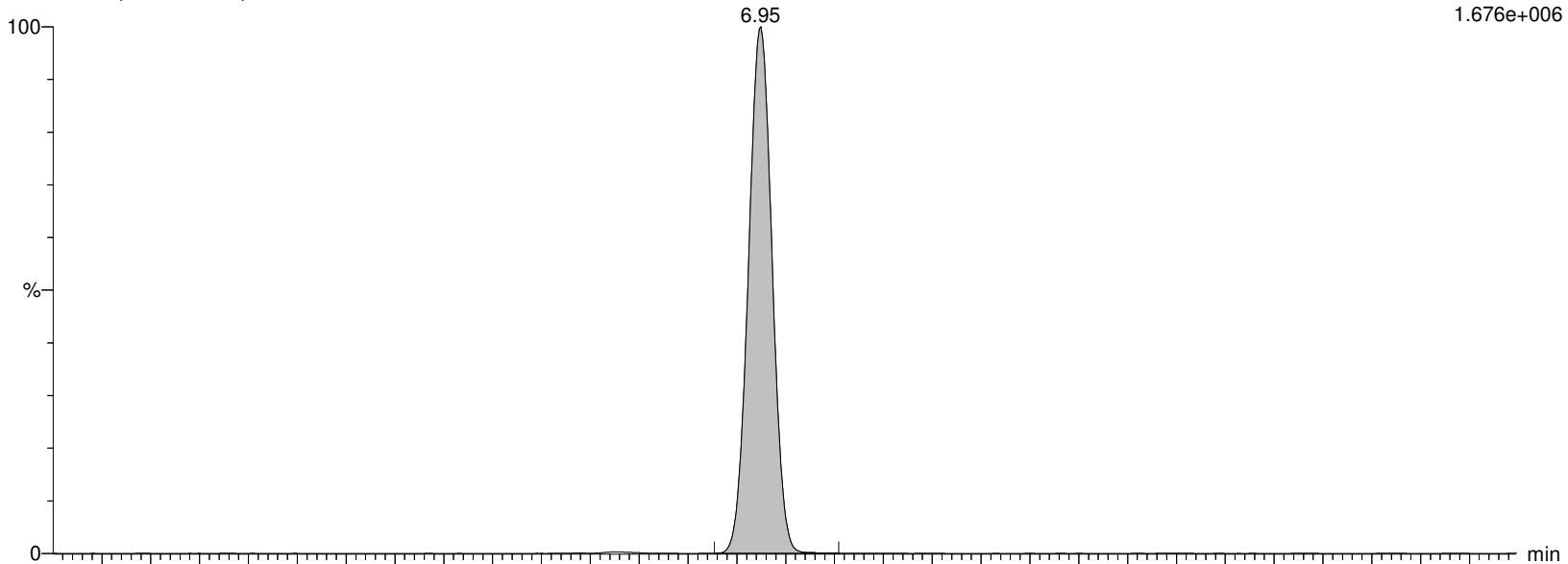
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F9:MRM of 2 channels, ES-

312.989 > 269.028

1.676e+006



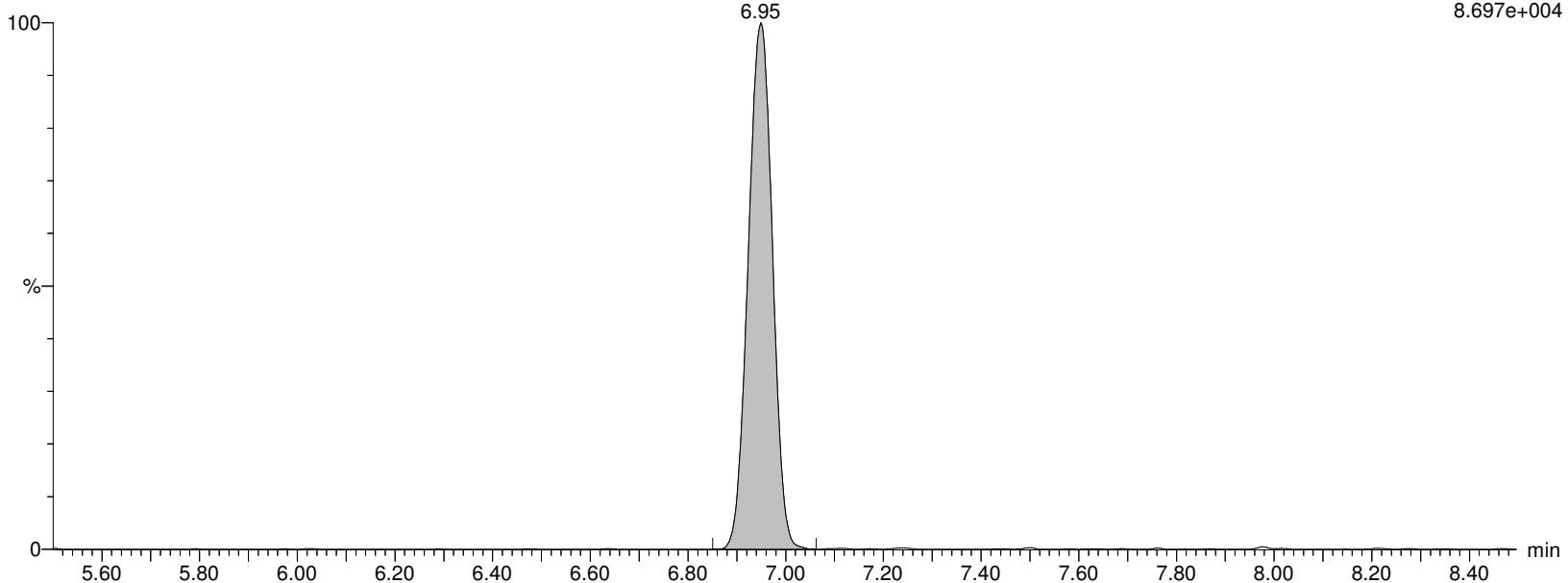
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F9:MRM of 2 channels, ES-

312.989 > 119.18

8.697e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

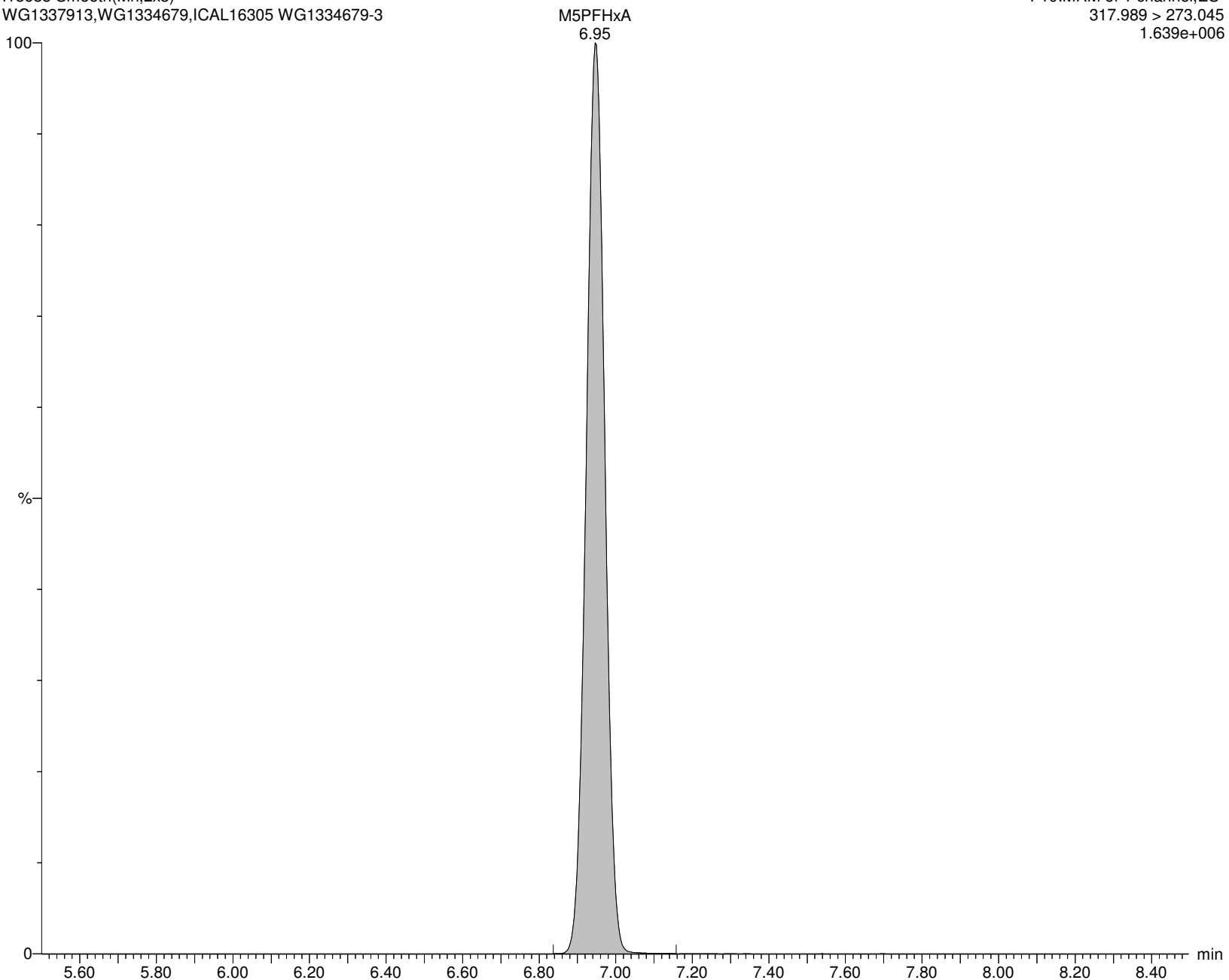
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F10:MRM of 1 channel, ES-

317.989 > 273.045

1.639e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFPeS**

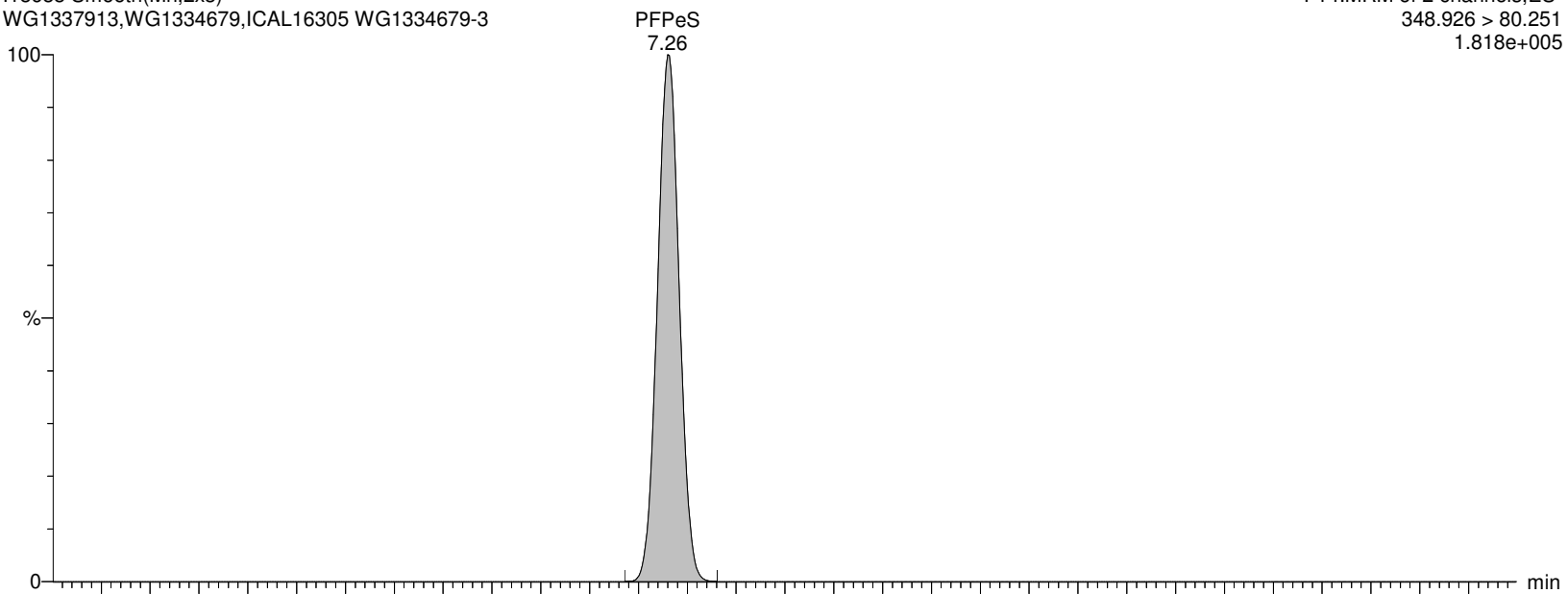
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F14:MRM of 2 channels, ES-

348.926 > 80.251

1.818e+005



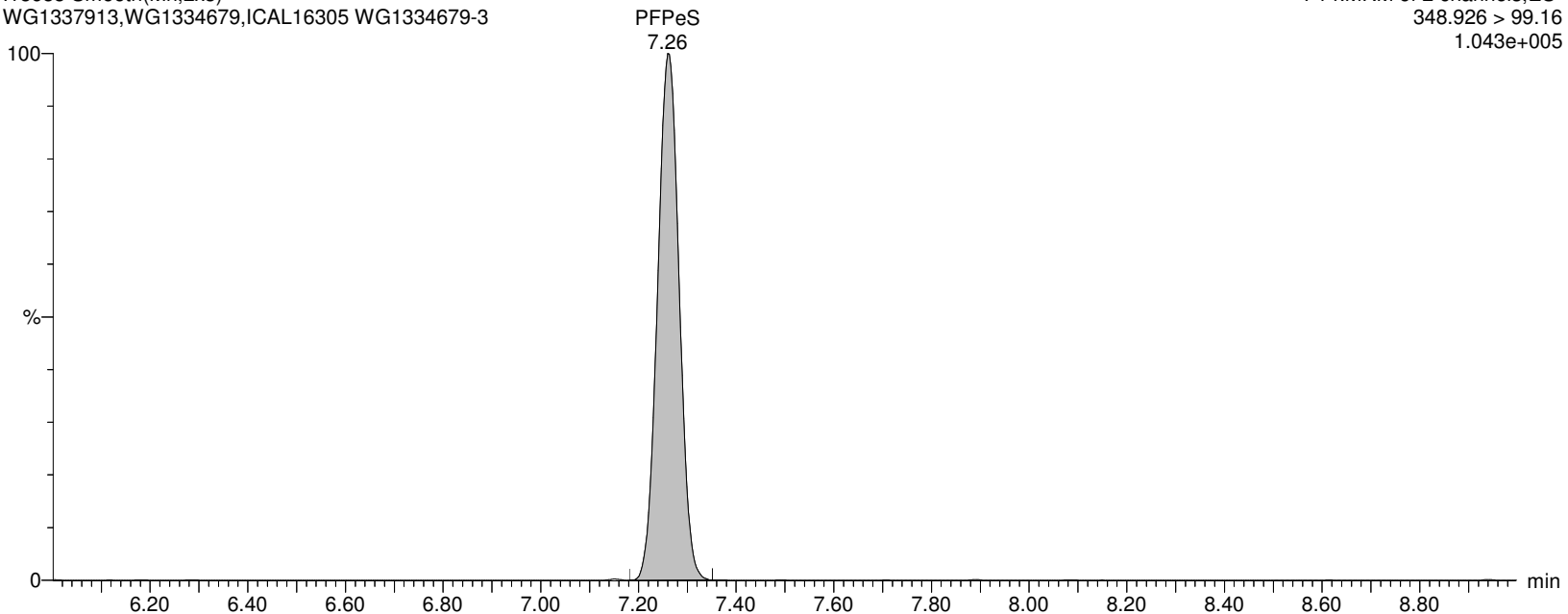
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F14:MRM of 2 channels, ES-

348.926 > 99.16

1.043e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

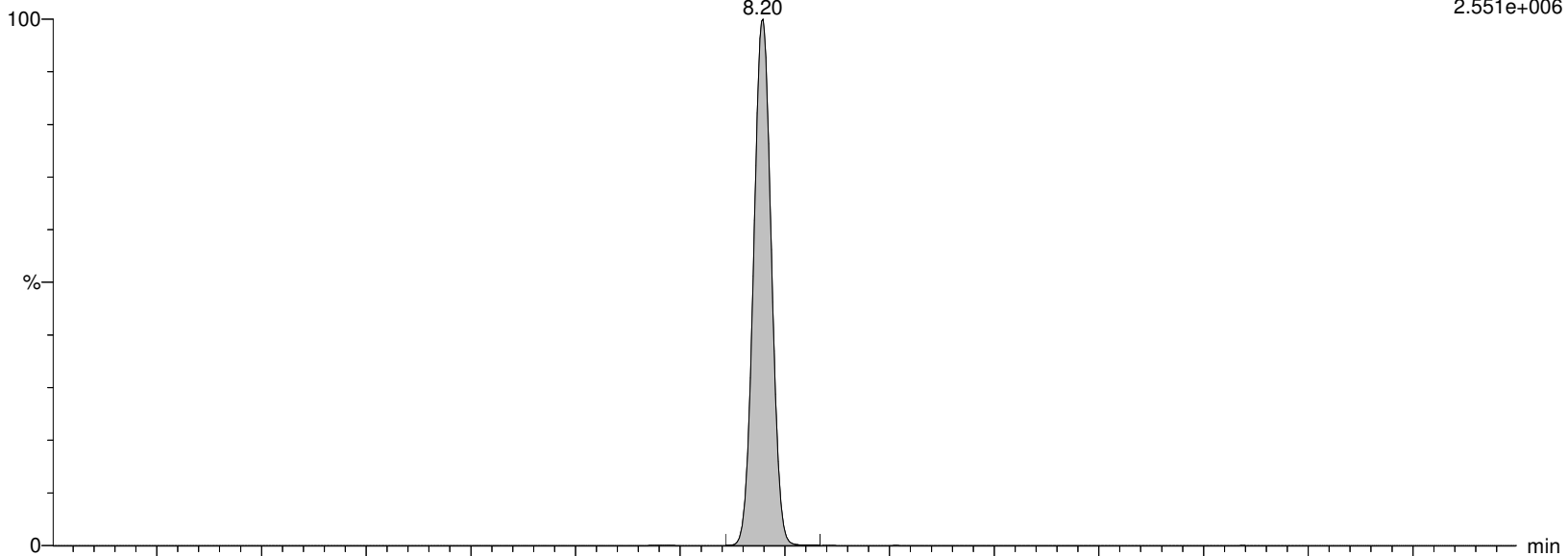
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F15:MRM of 2 channels, ES-

362.926 > 319.014

2.551e+006



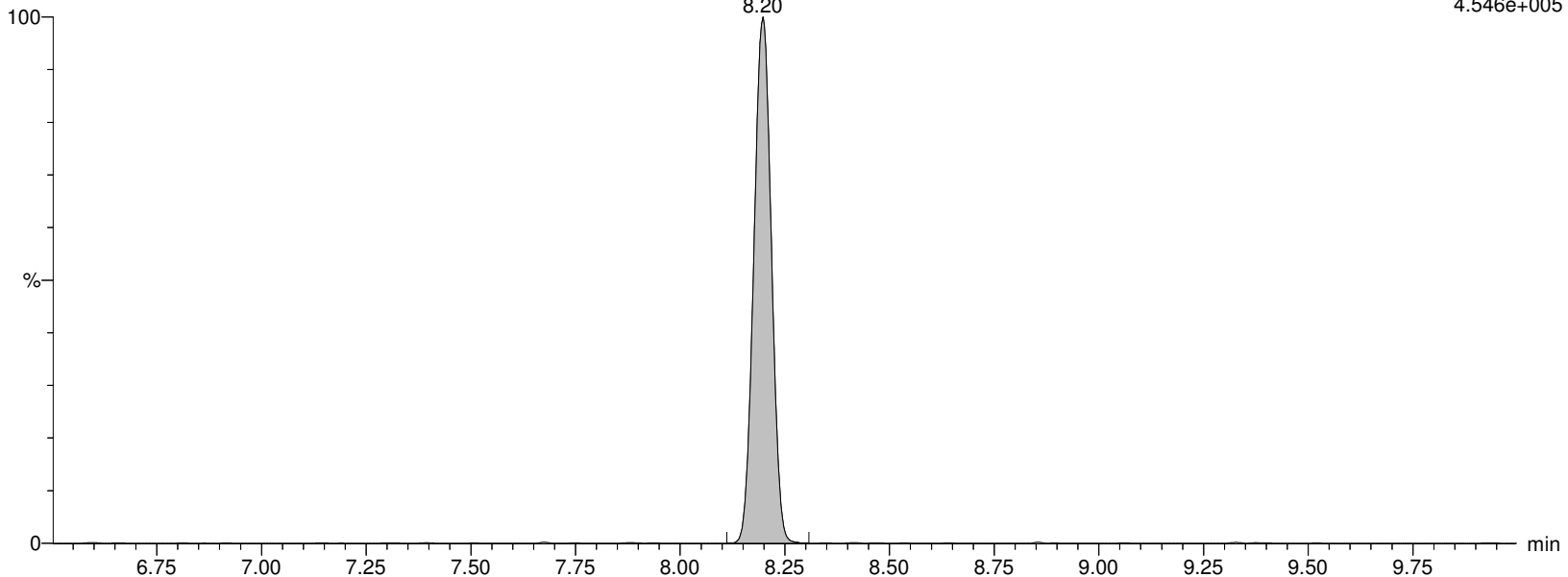
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F15:MRM of 2 channels, ES-

362.926 > 169.12

4.546e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

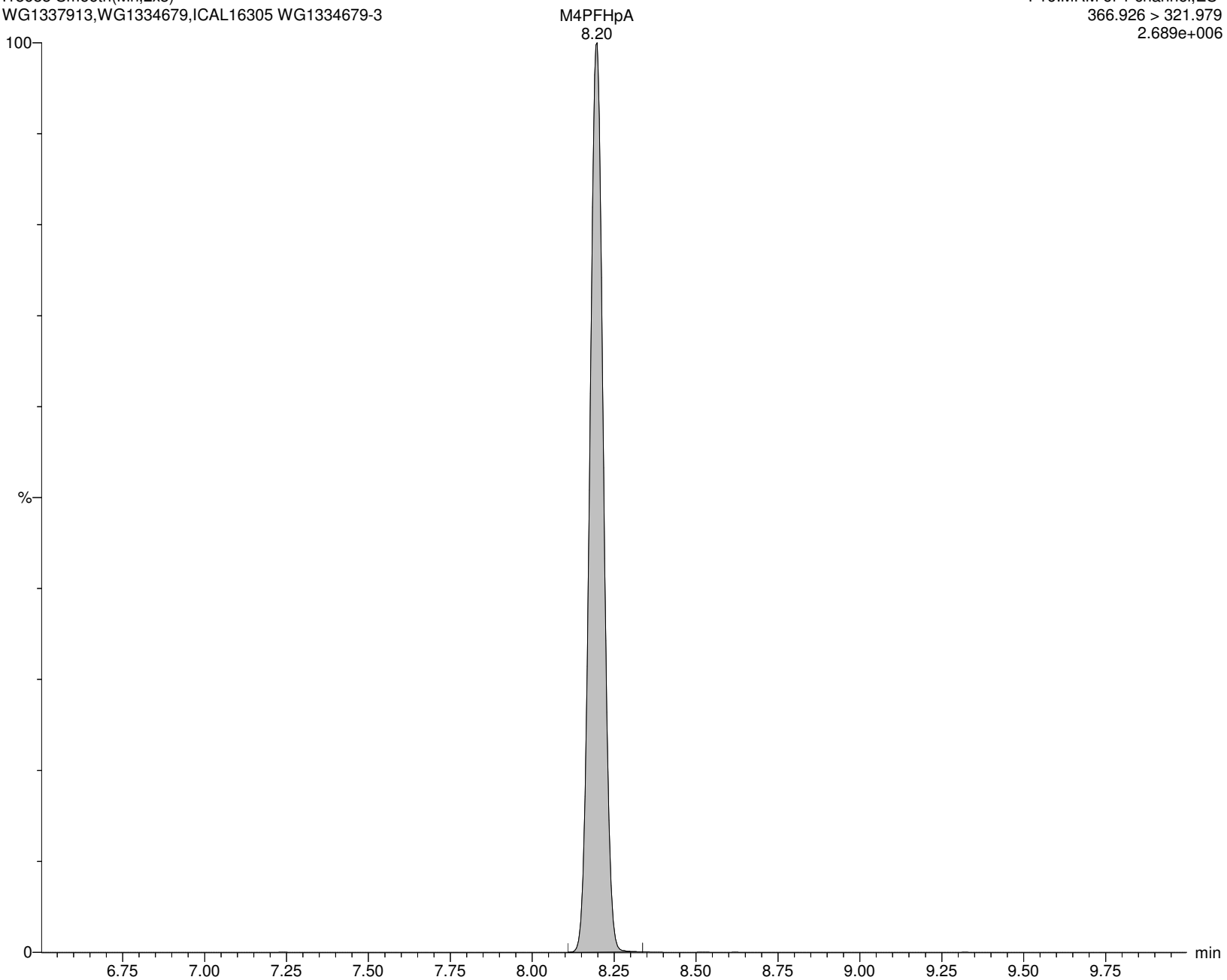
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F16:MRM of 1 channel, ES-

366.926 > 321.979

2.689e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****br-PFHxS**

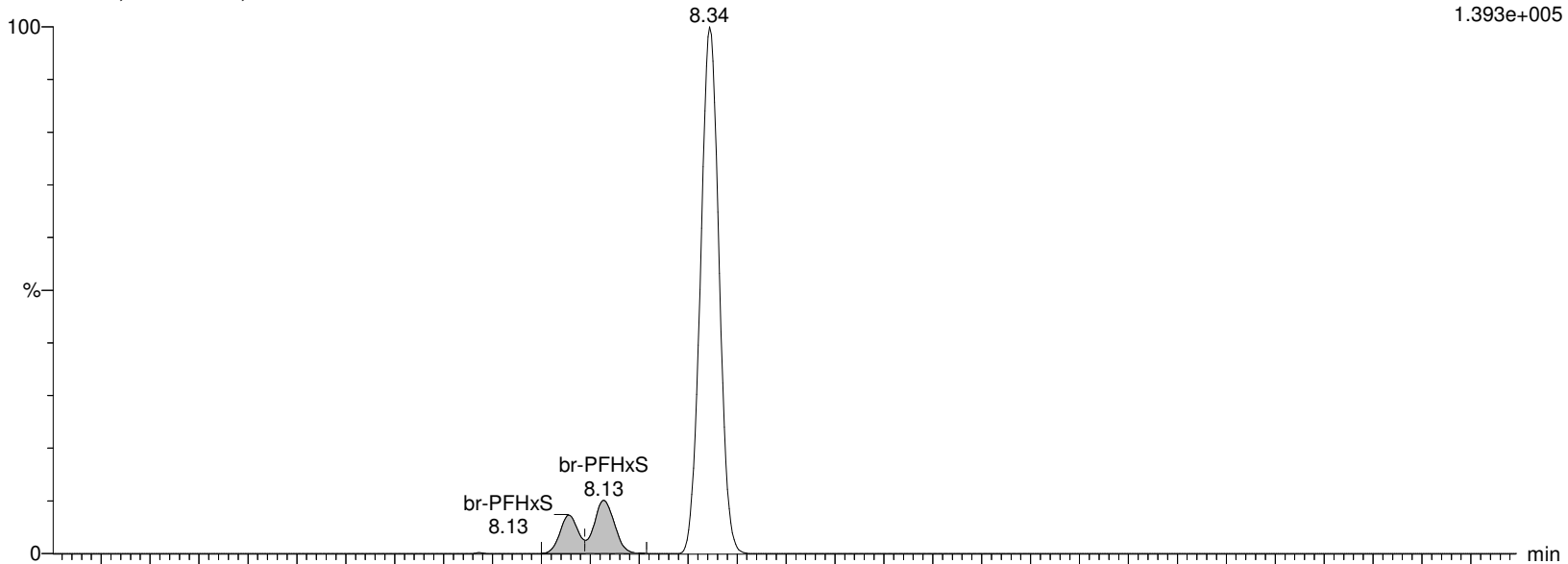
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.393e+005



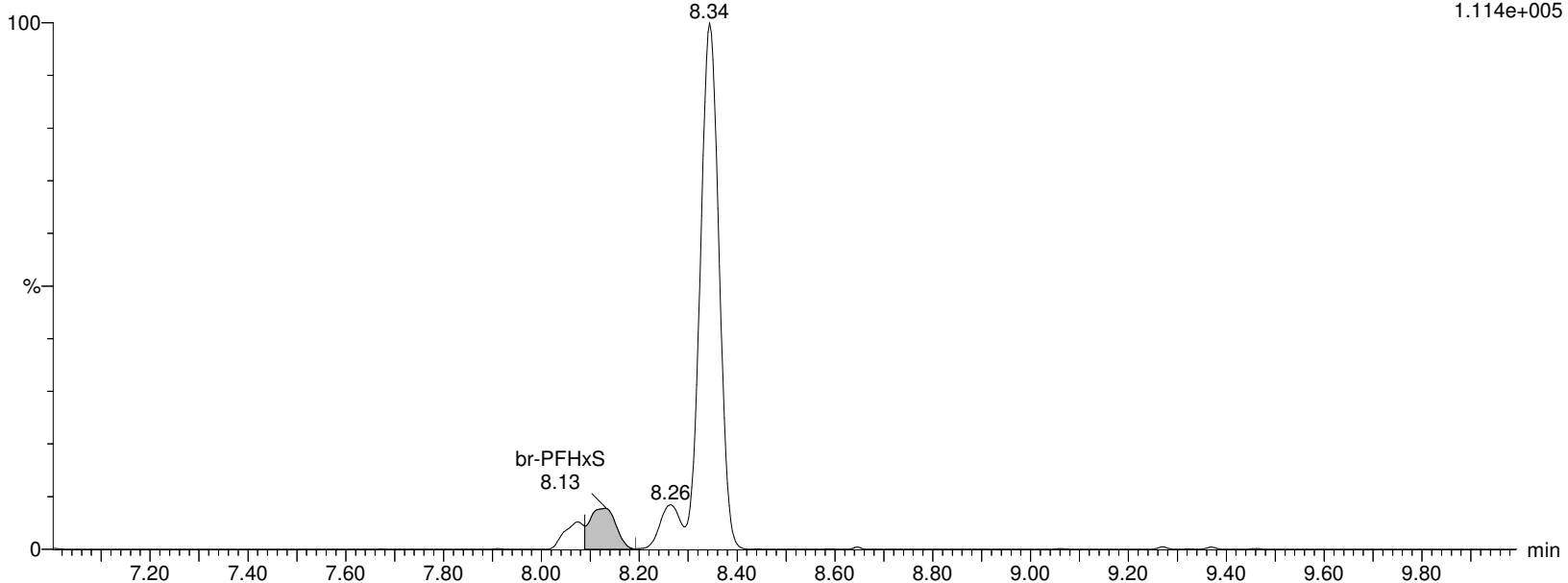
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.114e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913,WG1334679,ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

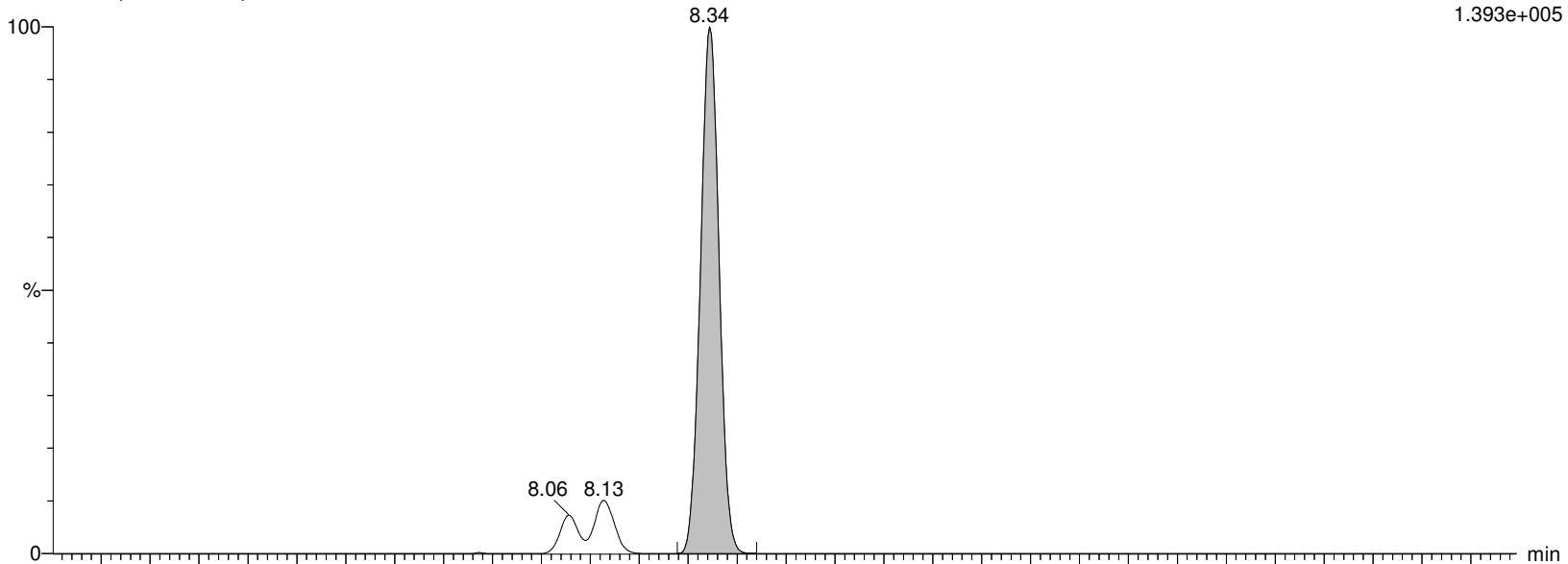
I18688 Smooth(Mn,3x2)

WG1337913,WG1334679,ICAL16305 WG1334679-3

F18:MRM of 2 channels,ES-

398.926 > 80.295

1.393e+005



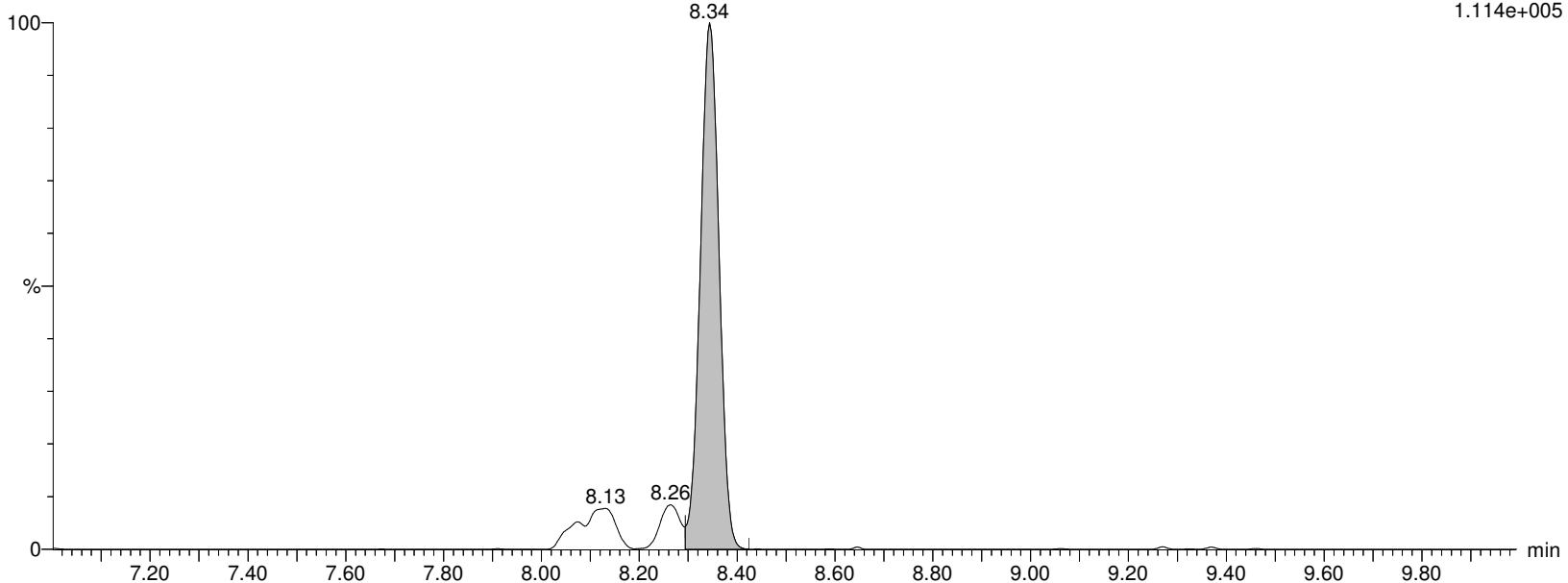
I18688 Smooth(Mn,3x2)

WG1337913,WG1334679,ICAL16305 WG1334679-3

F18:MRM of 2 channels,ES-

398.926 > 99.2

1.114e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

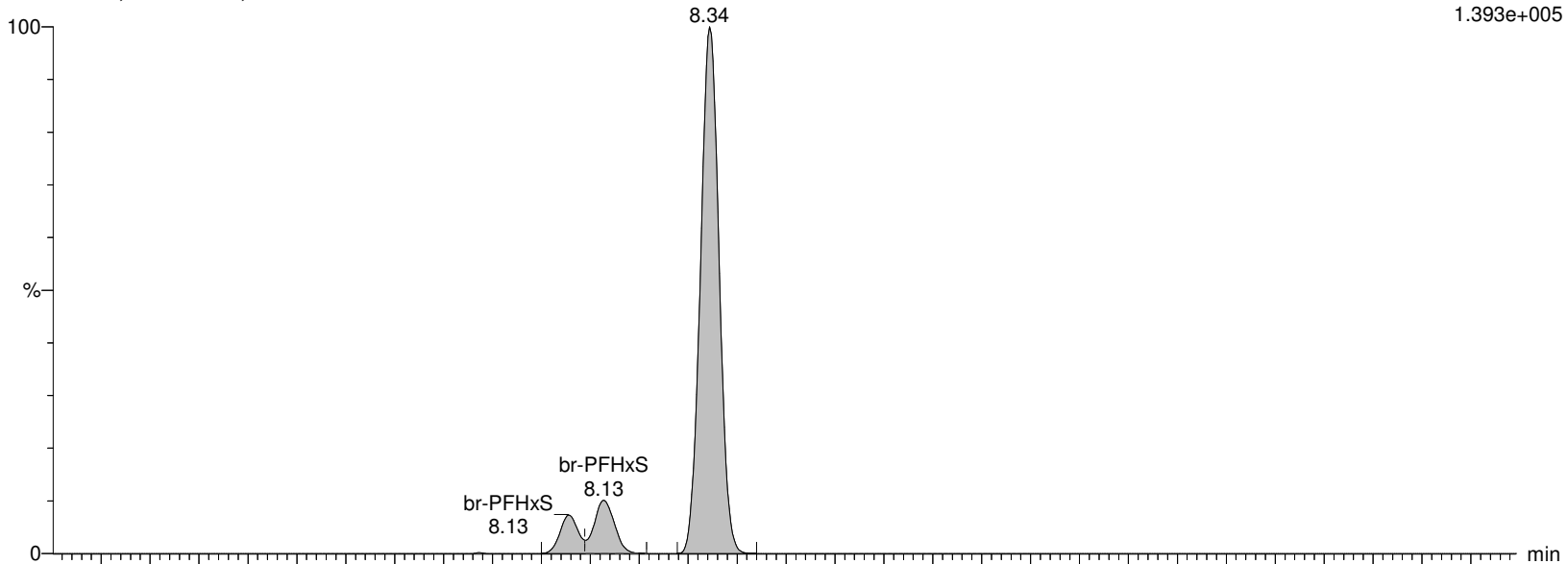
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F18:MRM of 2 channels, ES-

398.926 > 80.295

1.393e+005



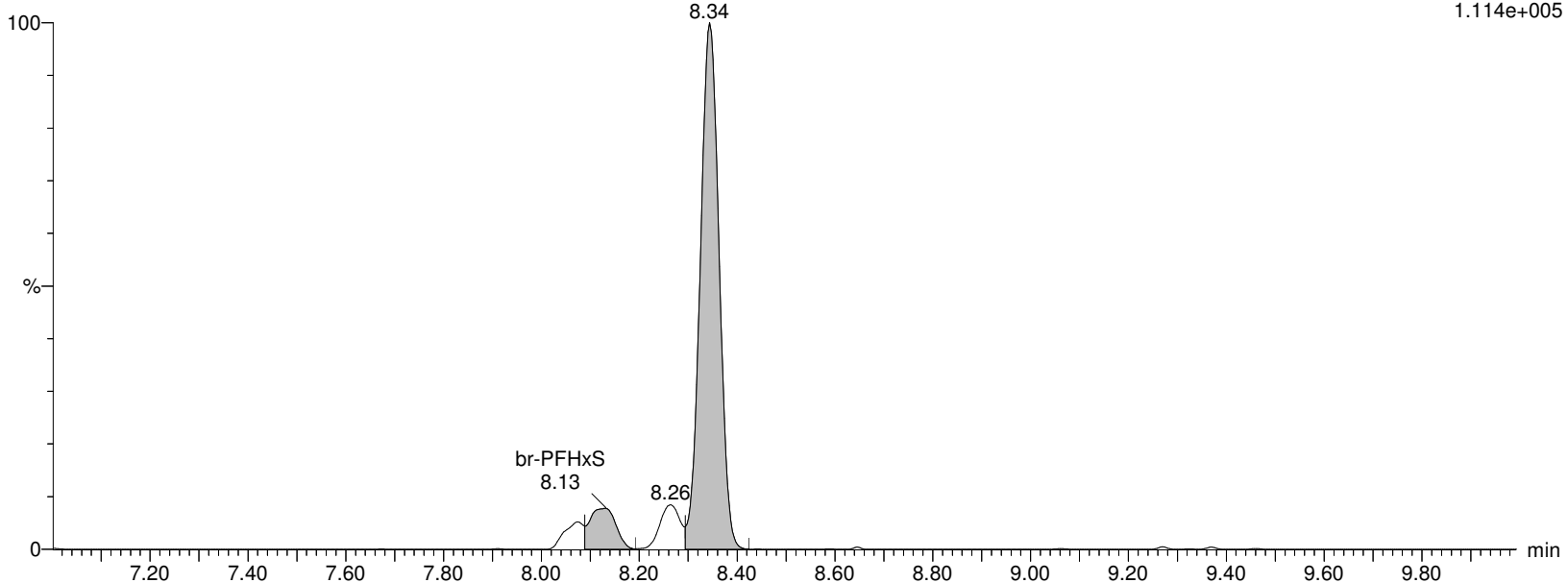
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.114e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

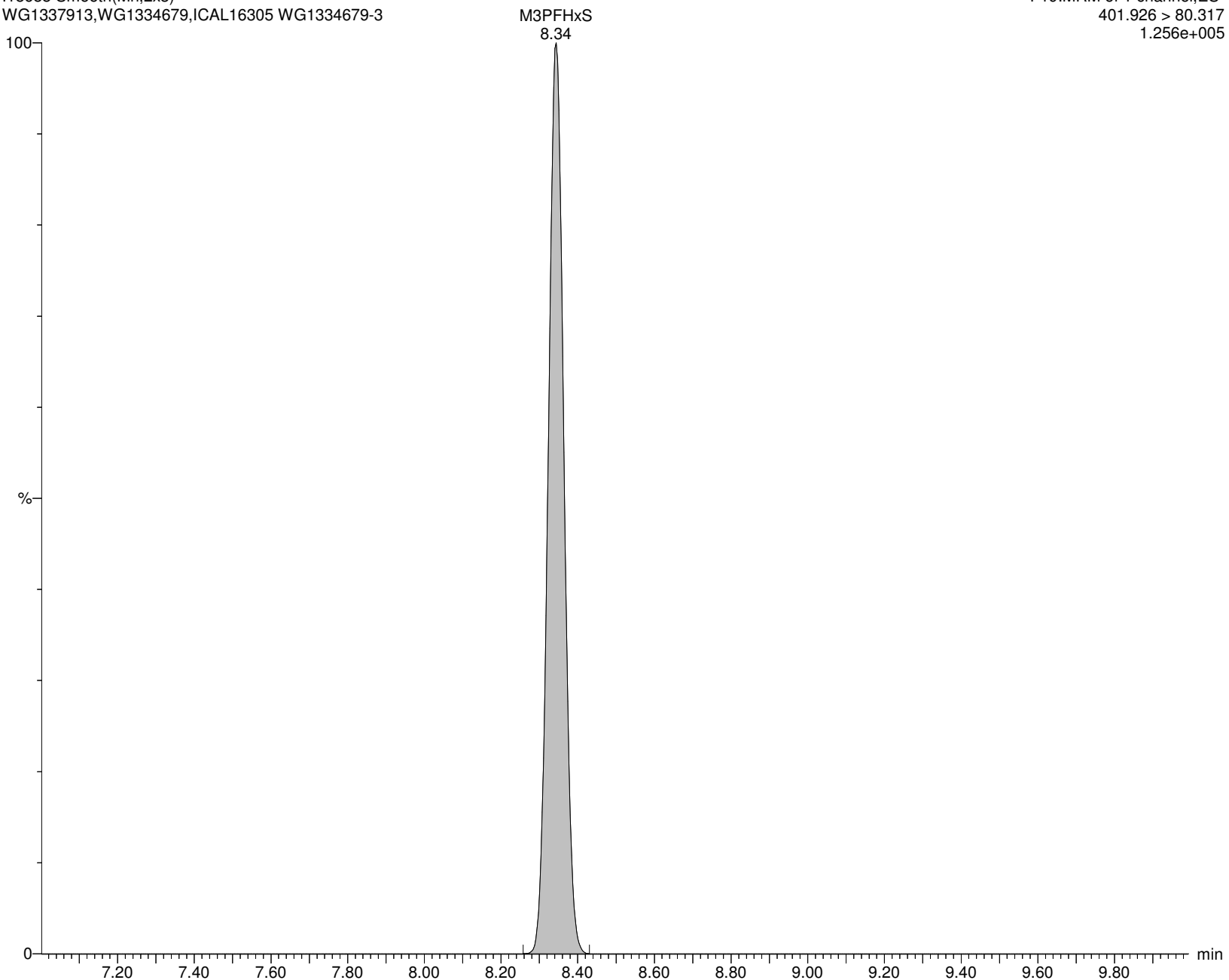
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.256e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

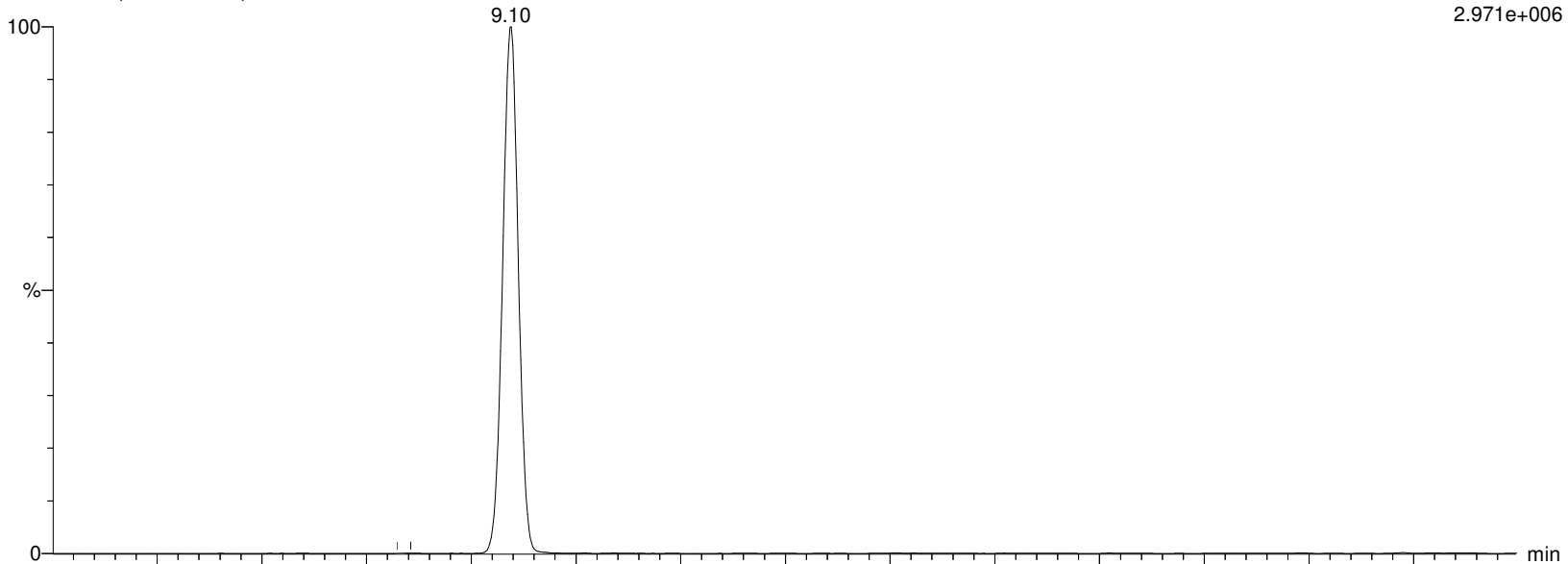
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.971e+006



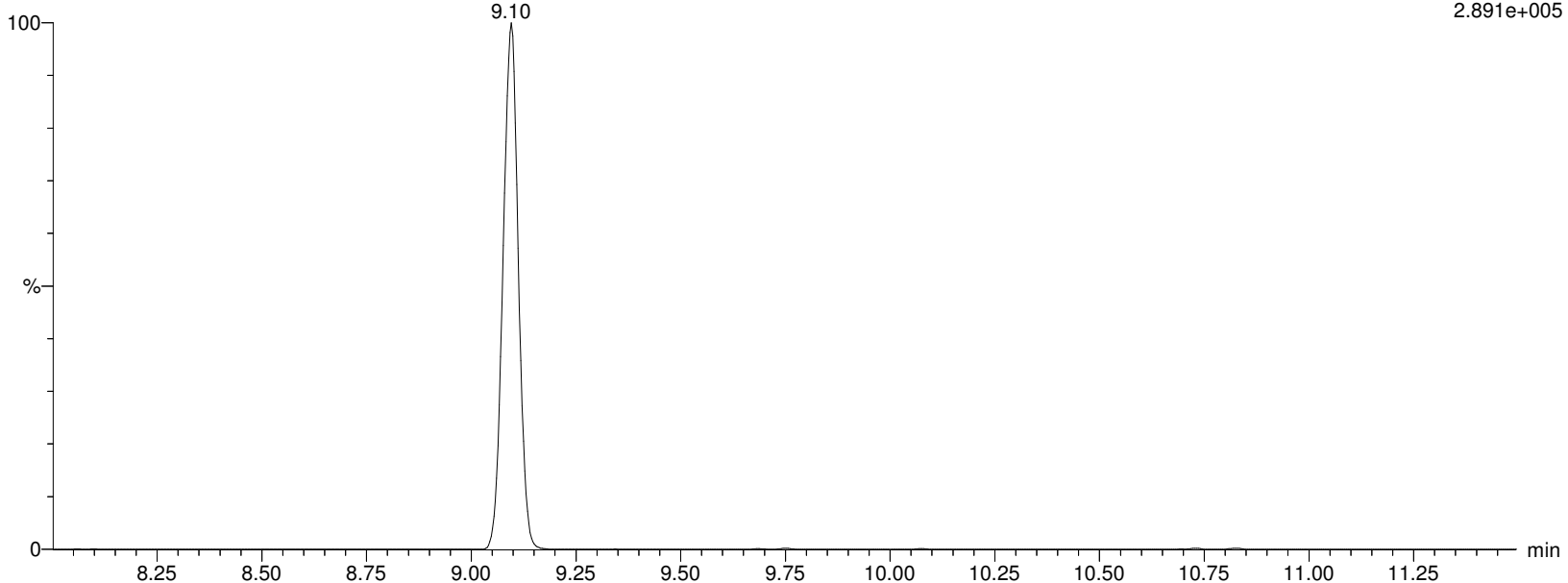
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.891e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

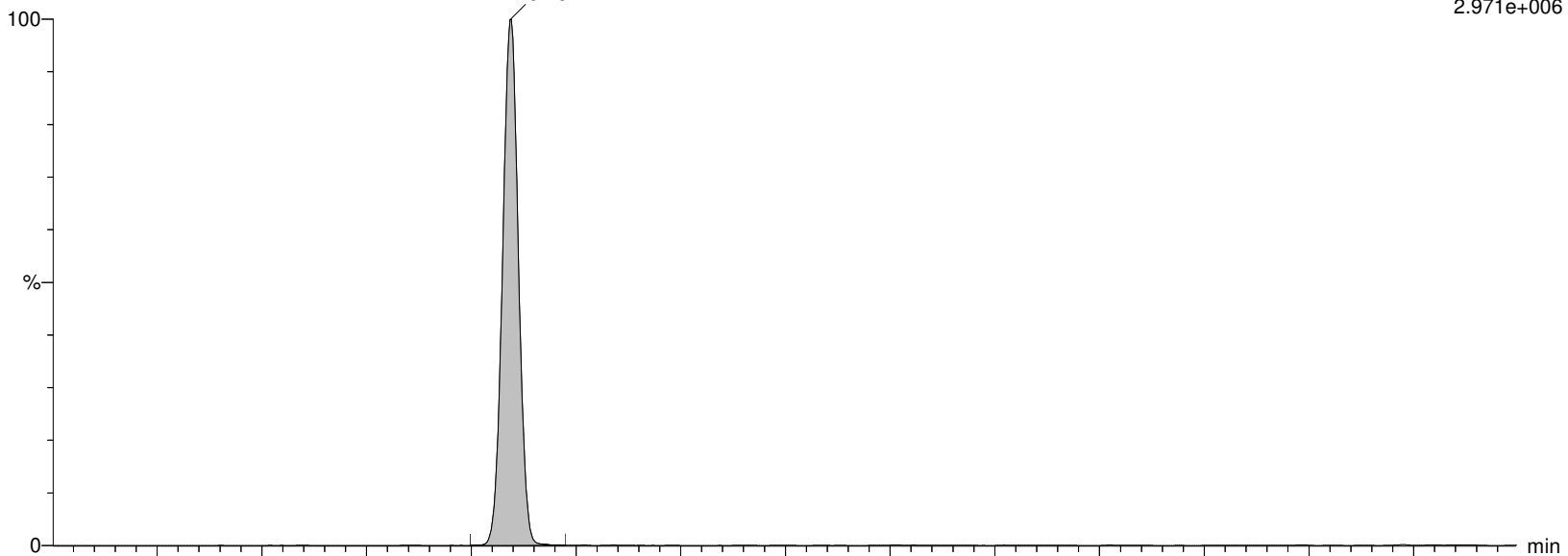
L-PFOA

9.10

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.971e+006



I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

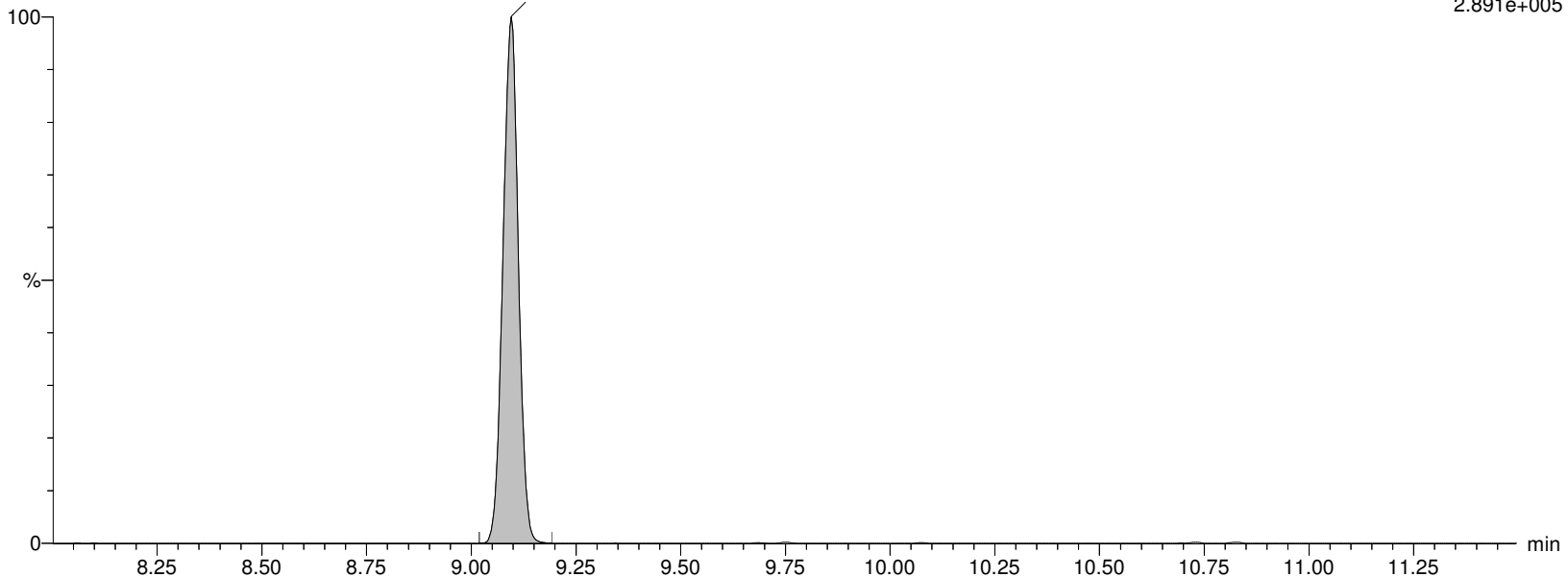
L-PFOA

9.10

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.891e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

I18688 Smooth(Mn,2x2)

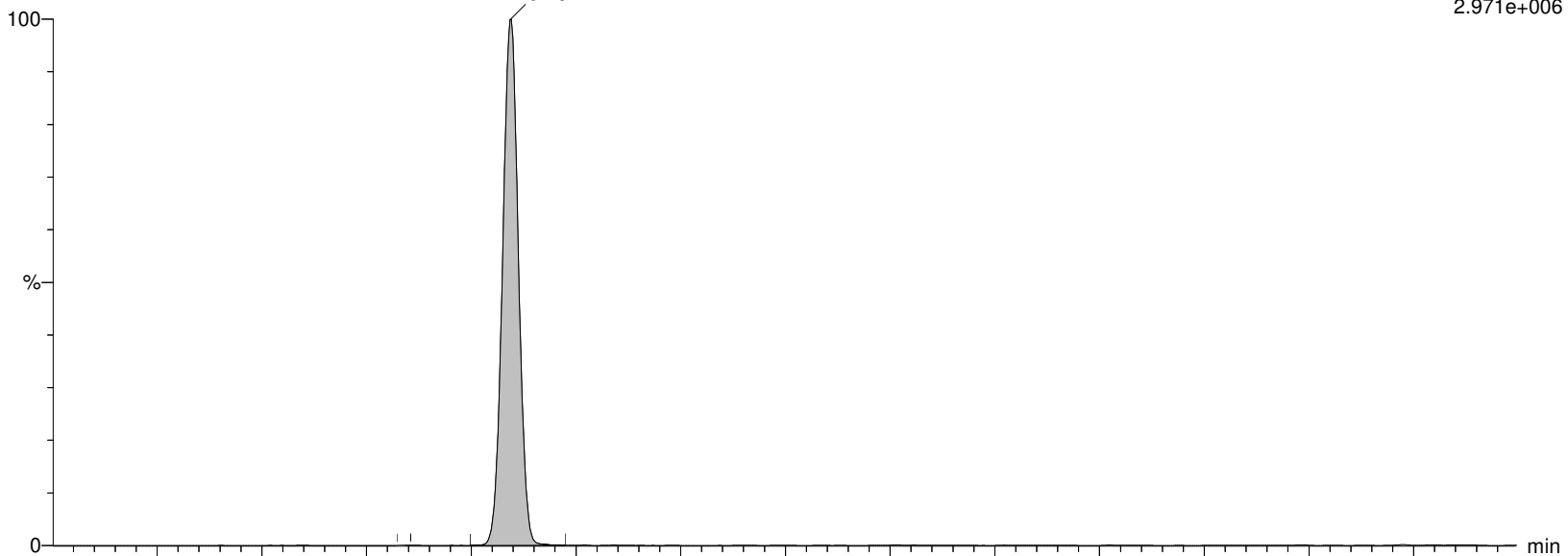
WG1337913, WG1334679, ICAL16305 WG1334679-3

L-PFOA
9.10

F20:MRM of 2 channels, ES-

412.989 > 368.9

2.971e+006



I18688 Smooth(Mn,2x2)

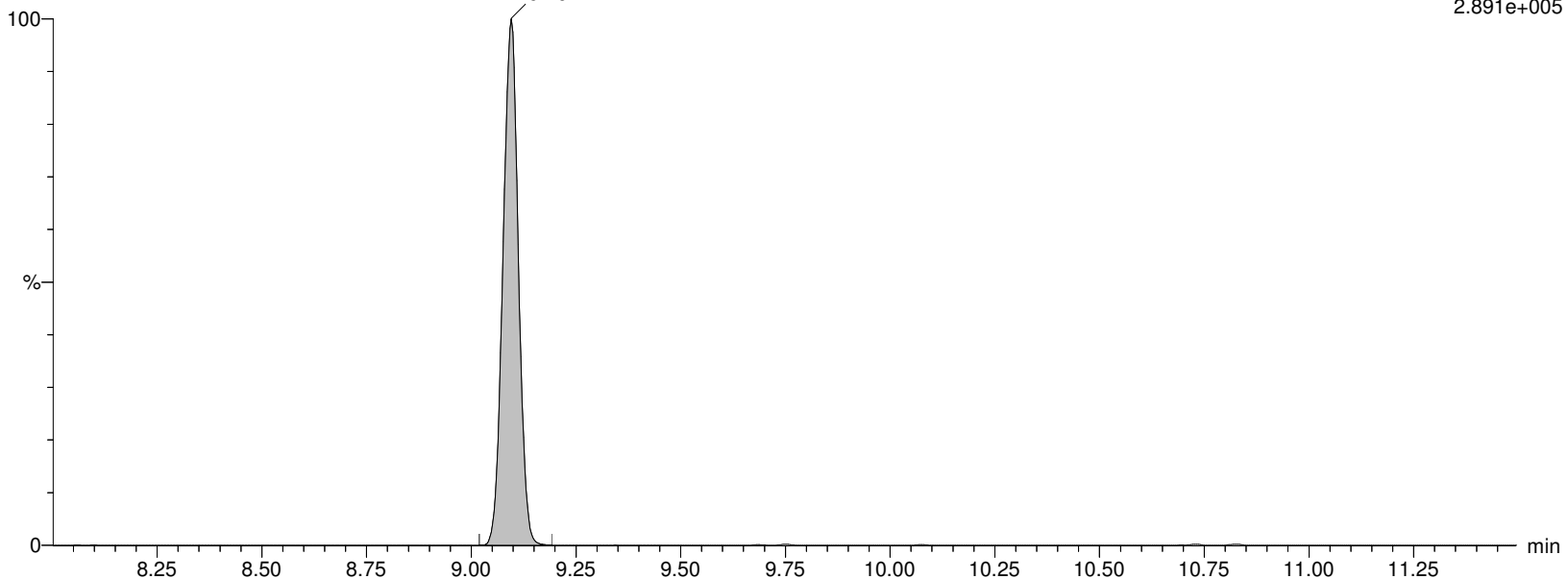
WG1337913, WG1334679, ICAL16305 WG1334679-3

L-PFOA
9.10

F20:MRM of 2 channels, ES-

412.989 > 219.08

2.891e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M8PFOA

I18688 Smooth(Mn,2x3)

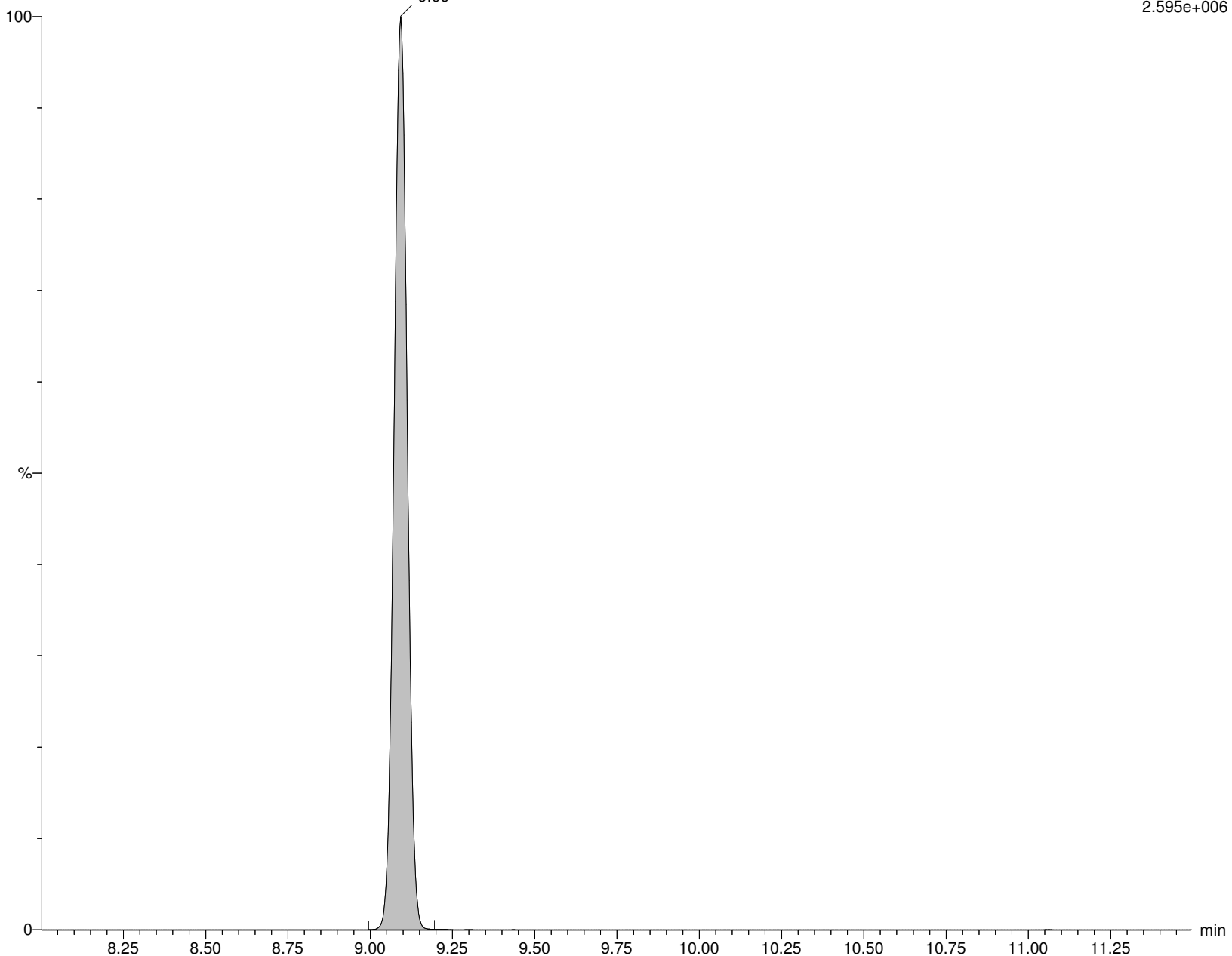
WG1337913, WG1334679, ICAL16305 WG1334679-3

M8PFOA
9.09

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.595e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18688 Smooth(Mn,2x2)

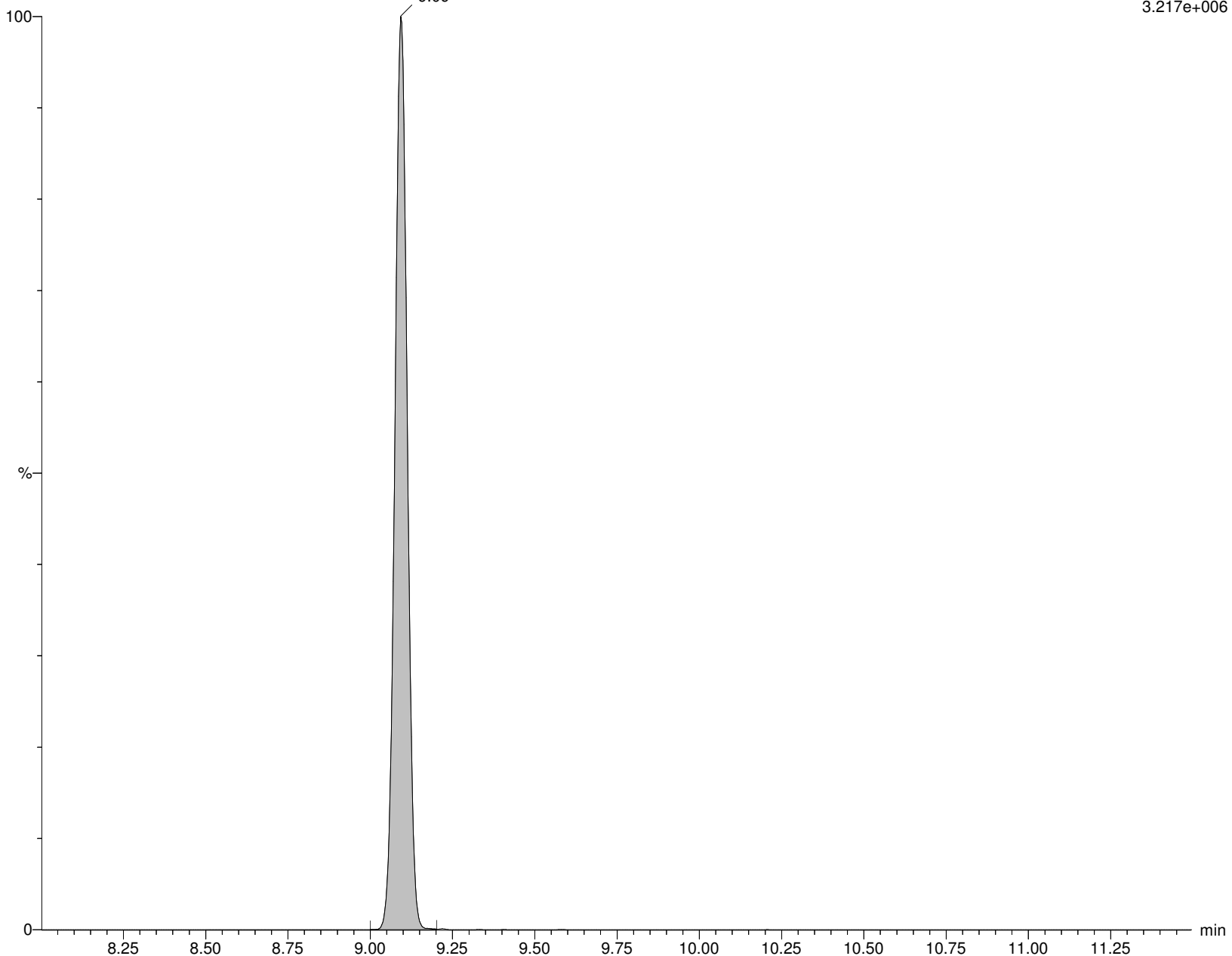
WG1337913, WG1334679, ICAL16305 WG1334679-3

M2PFOA
9.09

F21:MRM of 1 channel, ES-

415.032 > 369.968

3.217e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

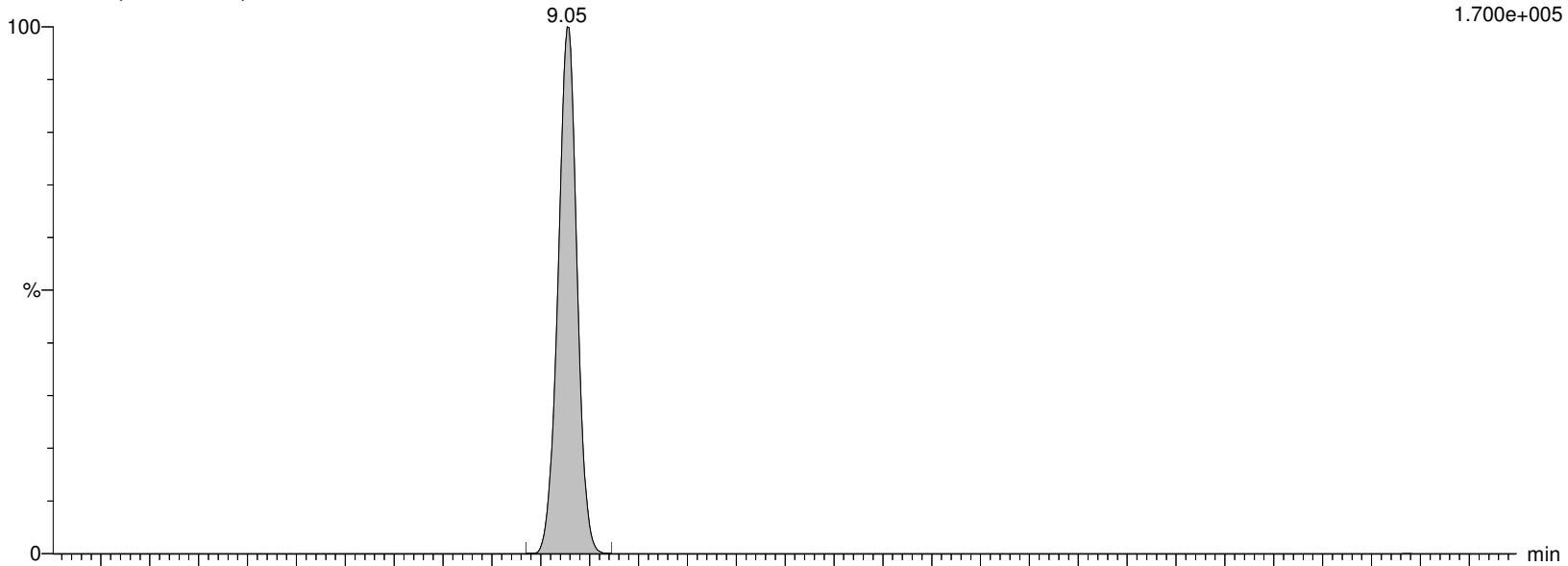
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F23:MRM of 3 channels, ES-

426.989 > 406.921

1.700e+005



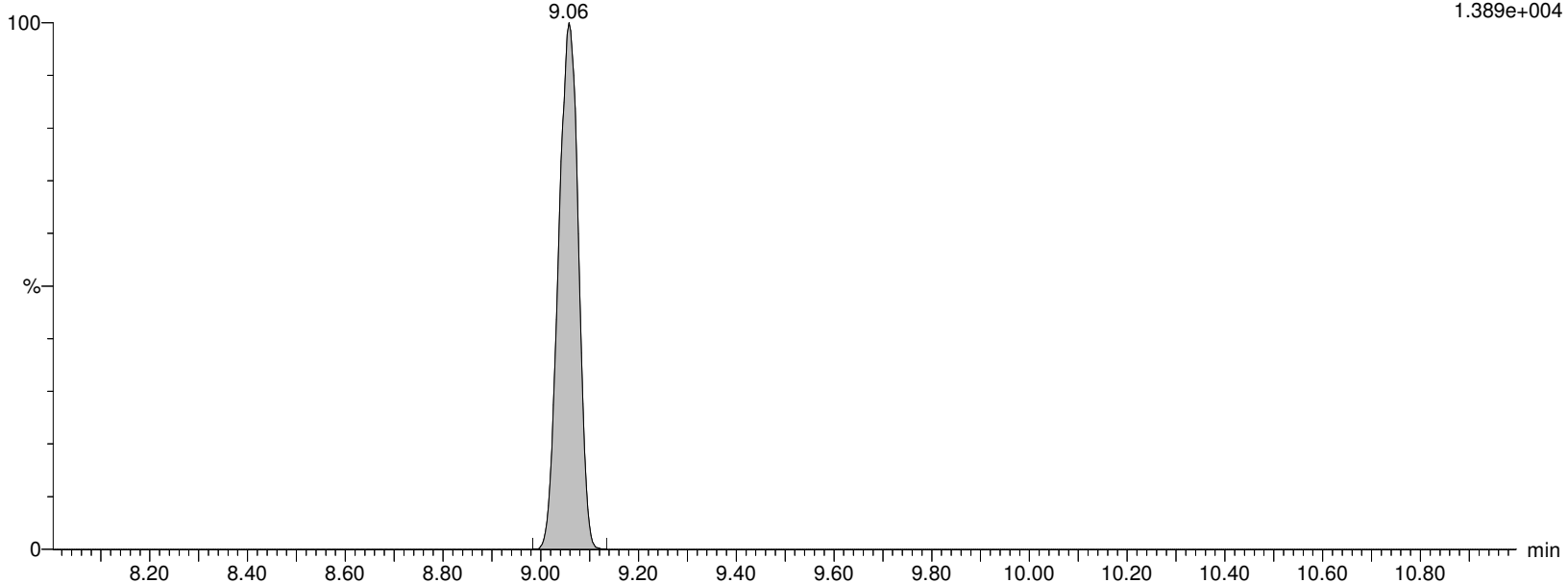
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F23:MRM of 3 channels, ES-

426.862 > 80.5

1.389e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

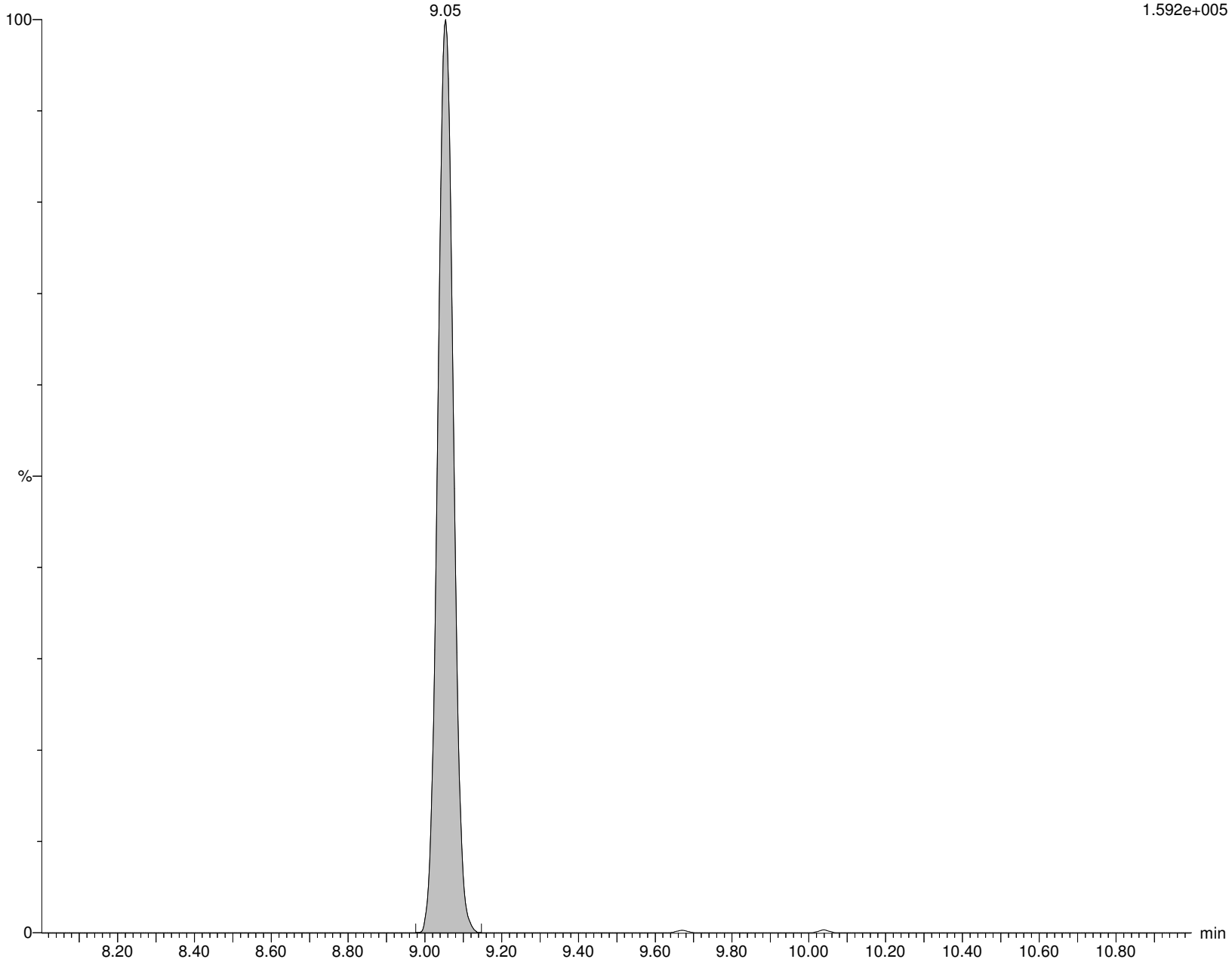
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3 M2-6:2FTS

F24:MRM of 1 channel, ES-

428.989 > 408.917

1.592e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFHpS**

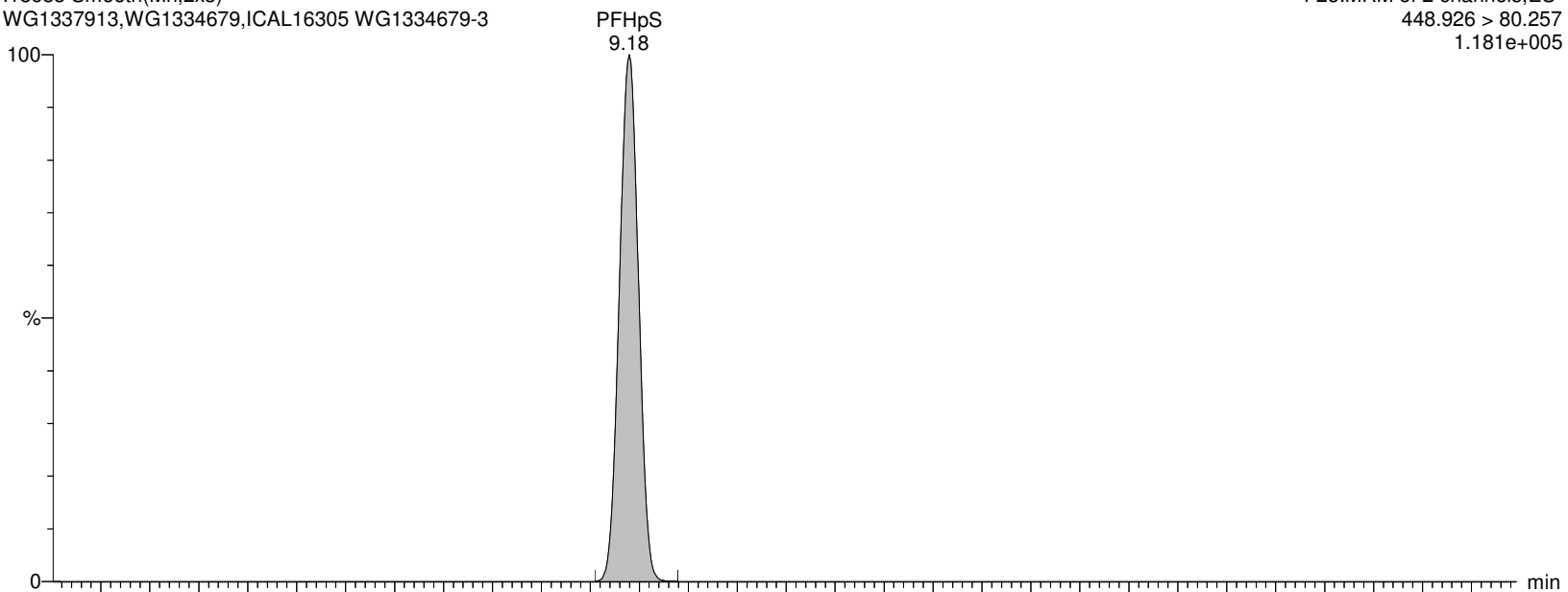
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.181e+005



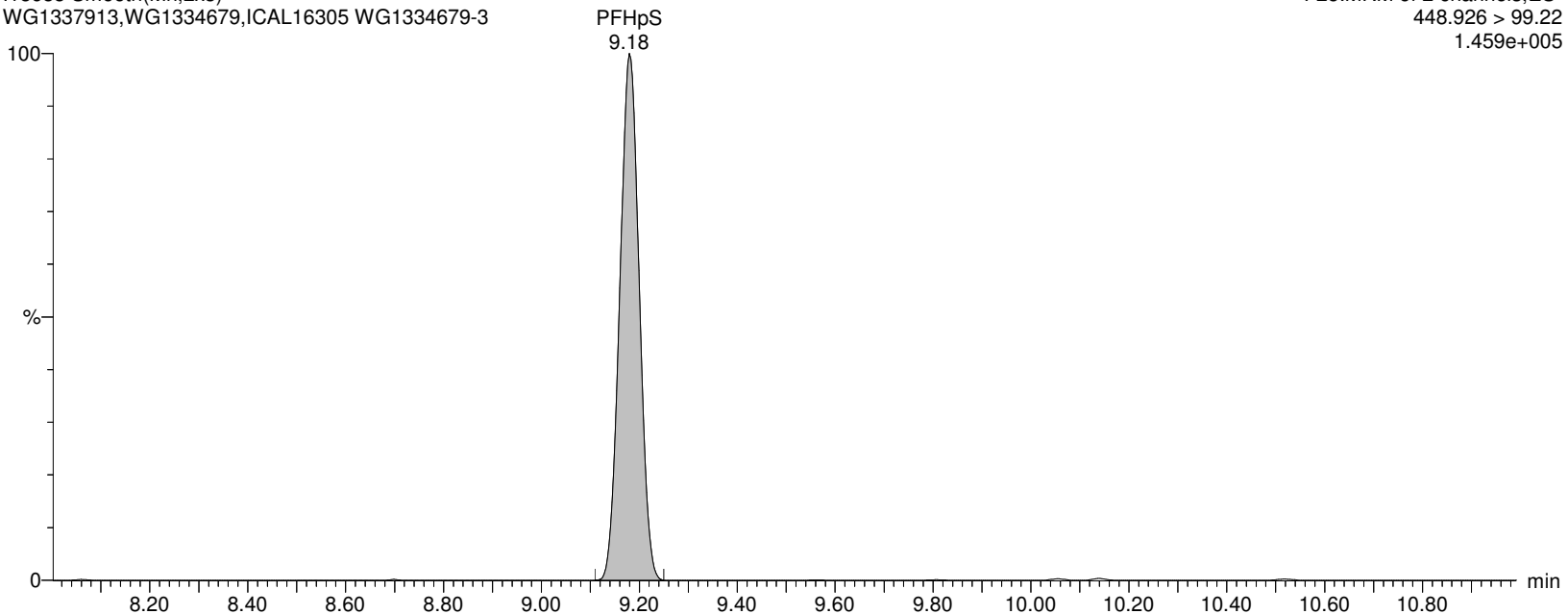
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F25:MRM of 2 channels, ES-

448.926 > 99.22

1.459e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNA**

I18688 Smooth(Mn,2x3)

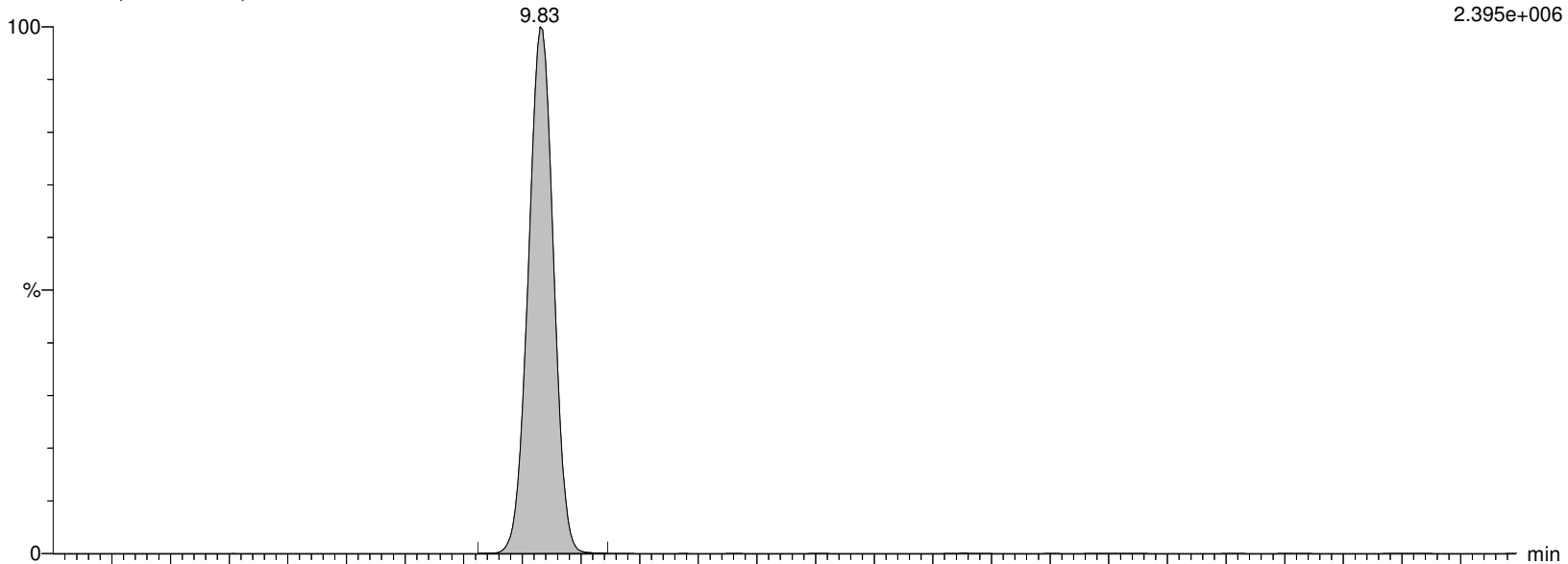
WG1337913, WG1334679, ICAL16305 WG1334679-3

PFNA

F26:MRM of 2 channels, ES-

462.989 > 418.931

2.395e+006



I18688 Smooth(Mn,2x3)

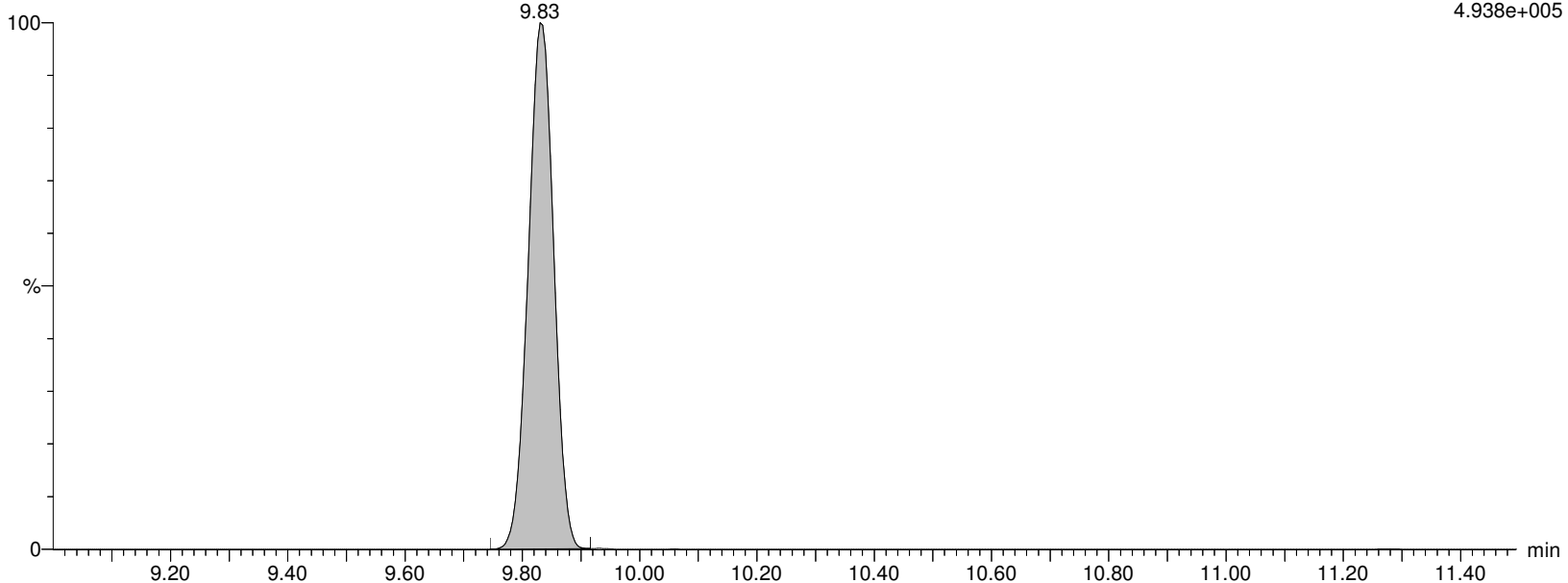
WG1337913, WG1334679, ICAL16305 WG1334679-3

PFNA

F26:MRM of 2 channels, ES-

462.989 > 219.04

4.938e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

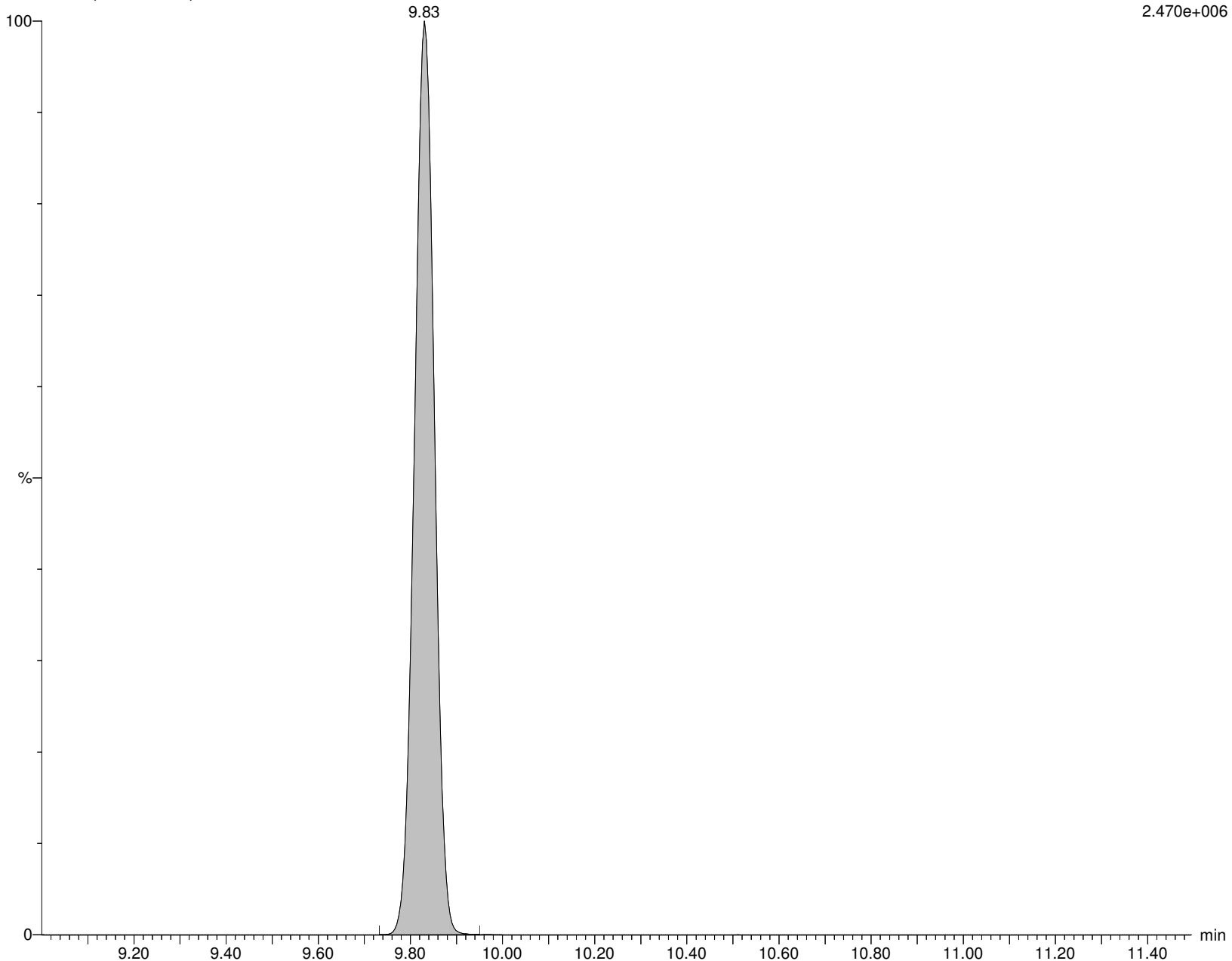
I18688 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-3 M9PFNA

F27:MRM of 1 channel,ES-

472.053 > 426.947

2.470e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

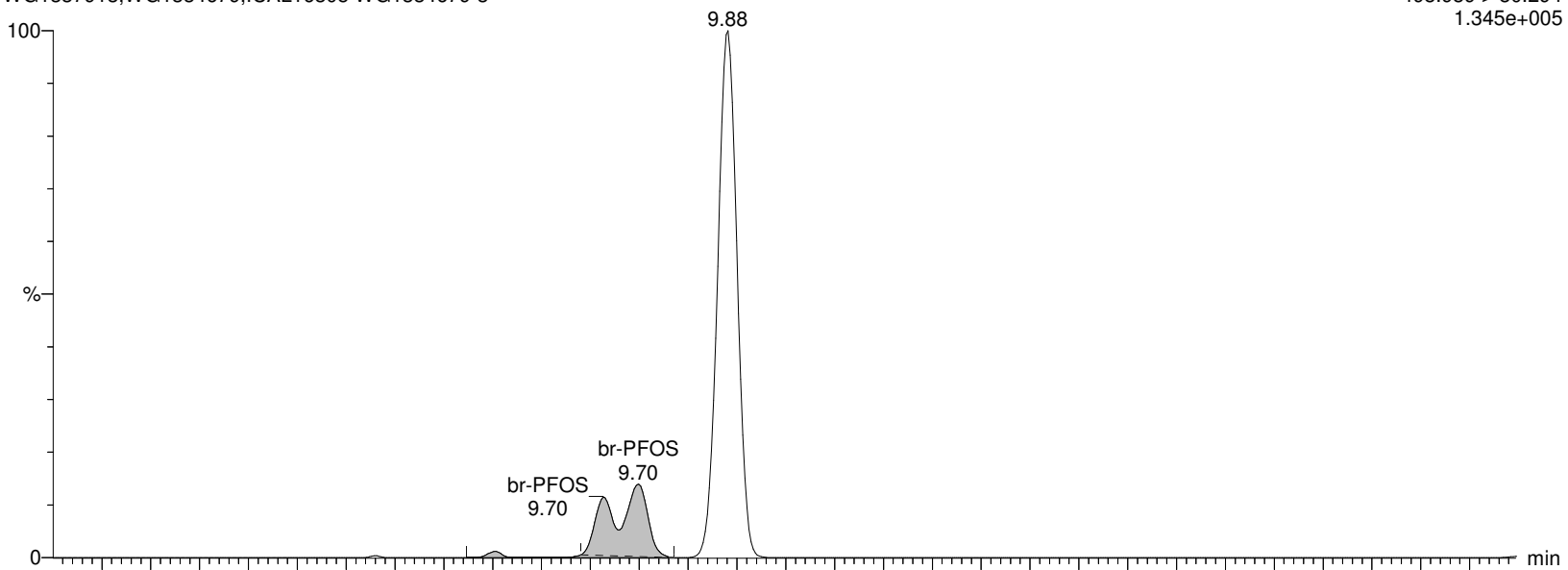
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.345e+005



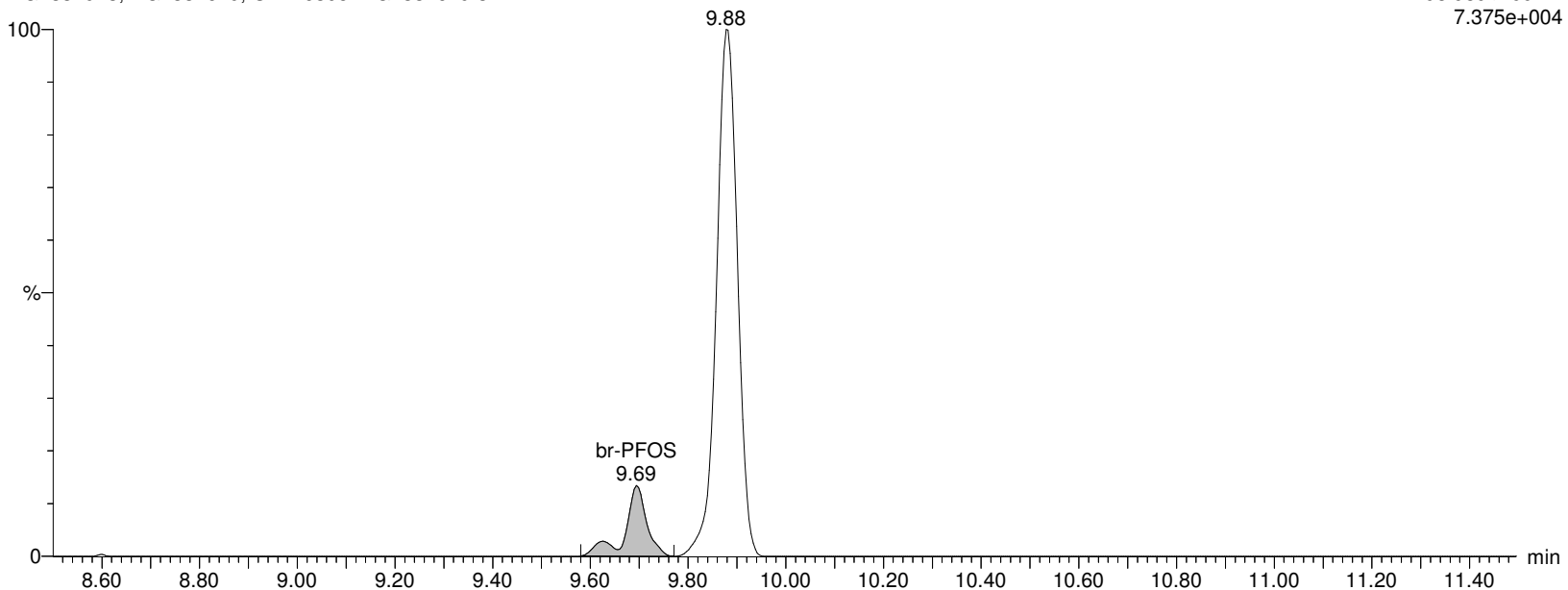
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.375e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

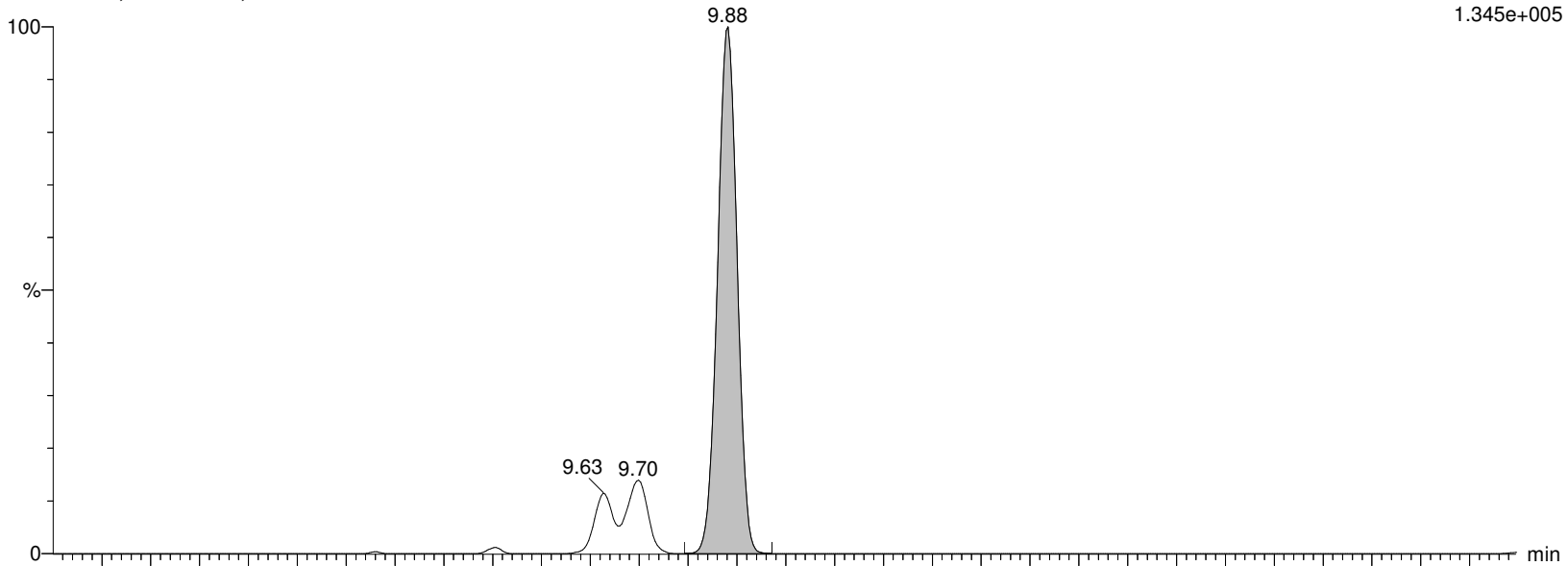
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.345e+005



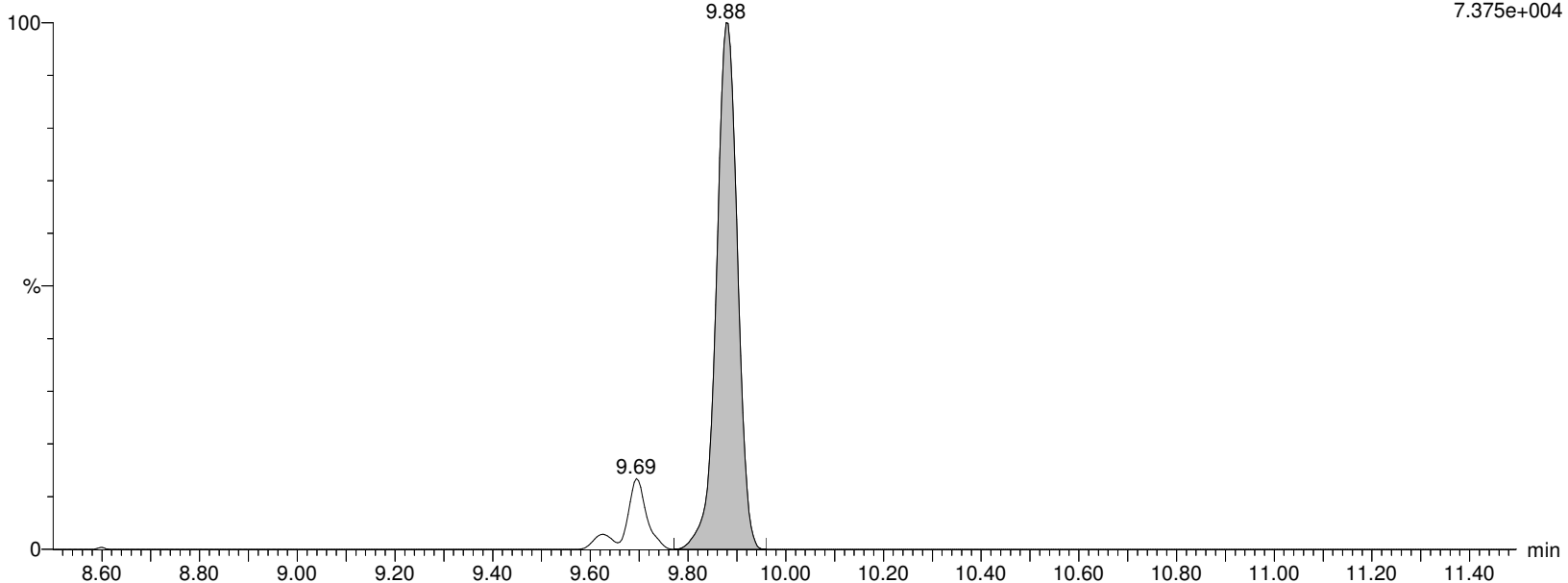
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.375e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

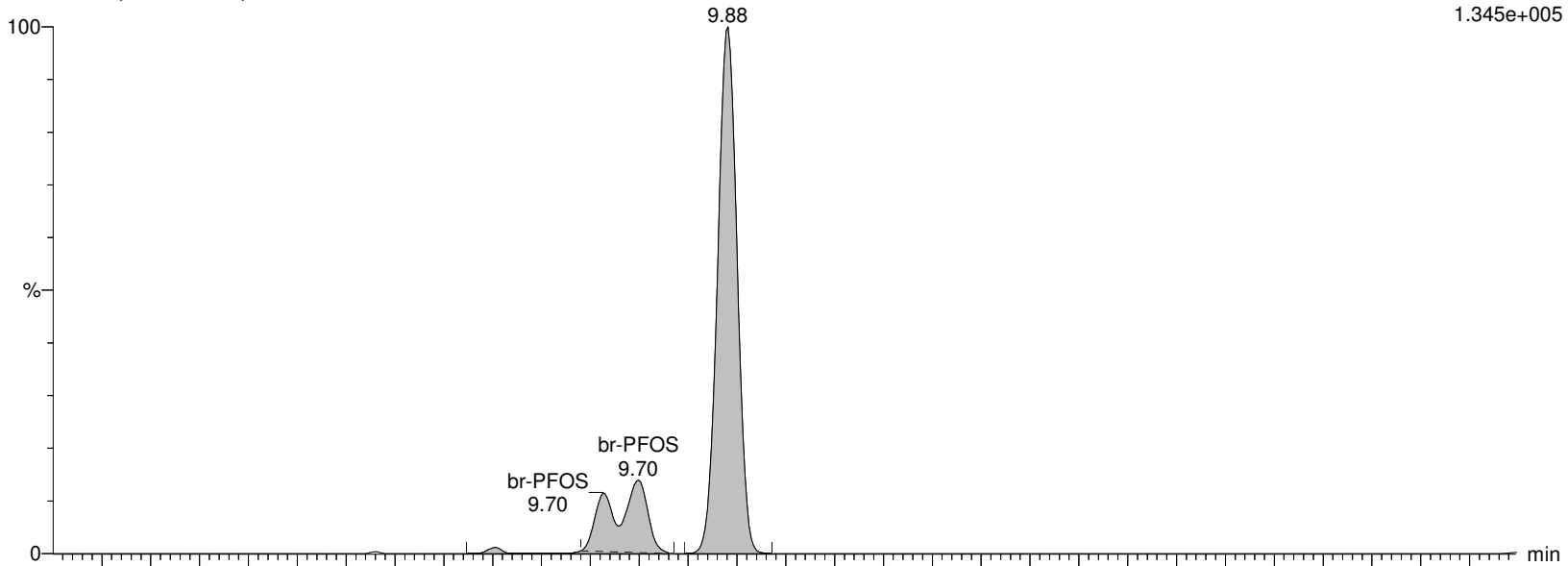
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 80.294

1.345e+005



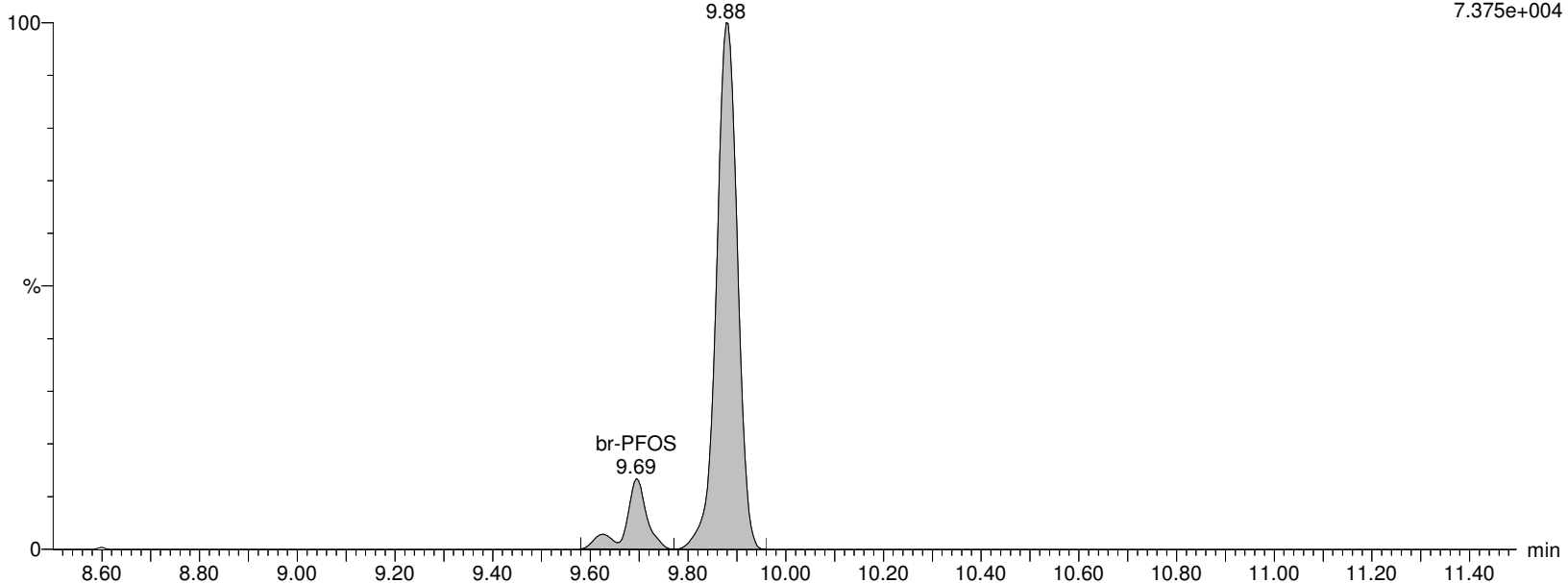
I18688 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F29:MRM of 2 channels, ES-

498.989 > 99.27

7.375e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

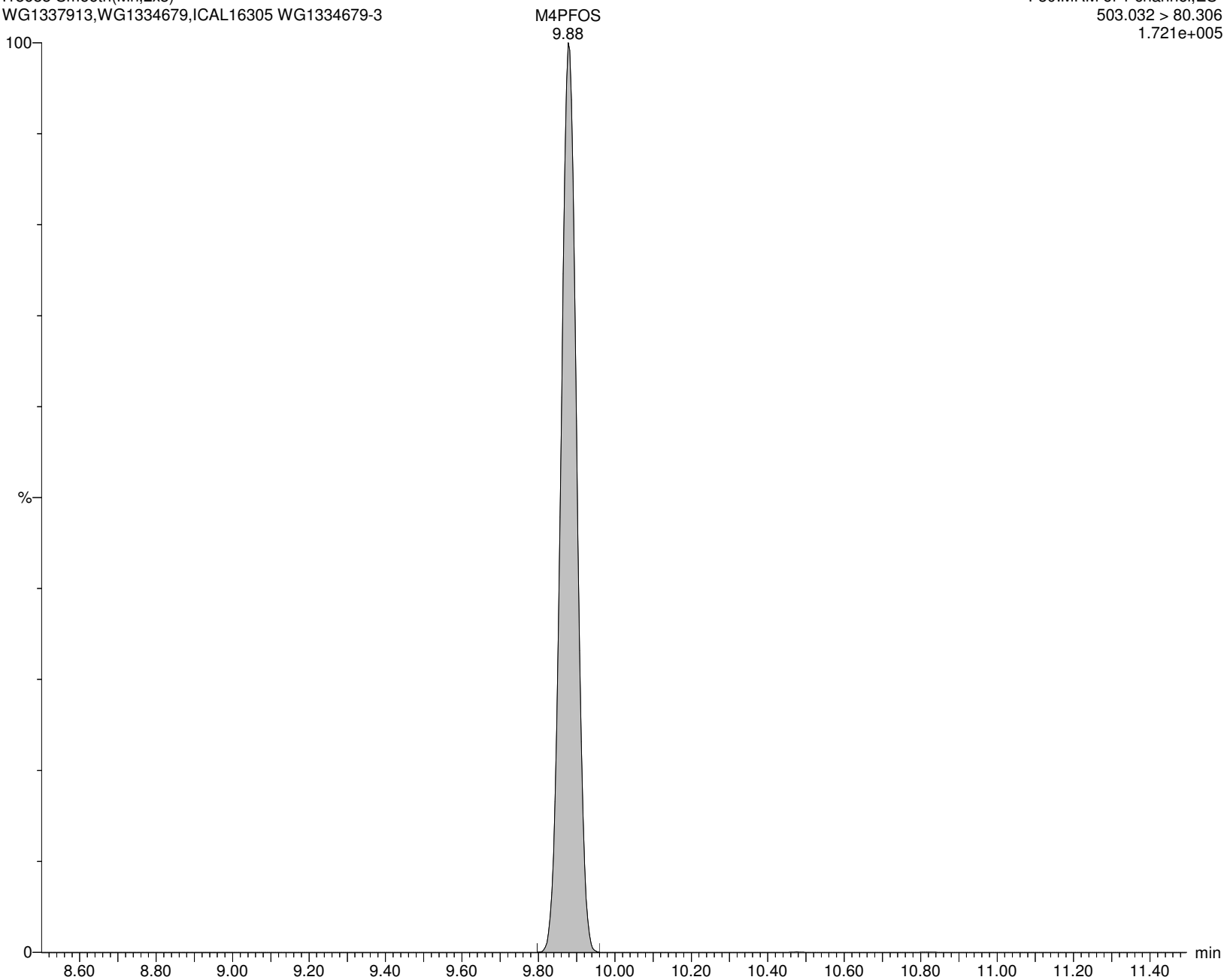
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.721e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

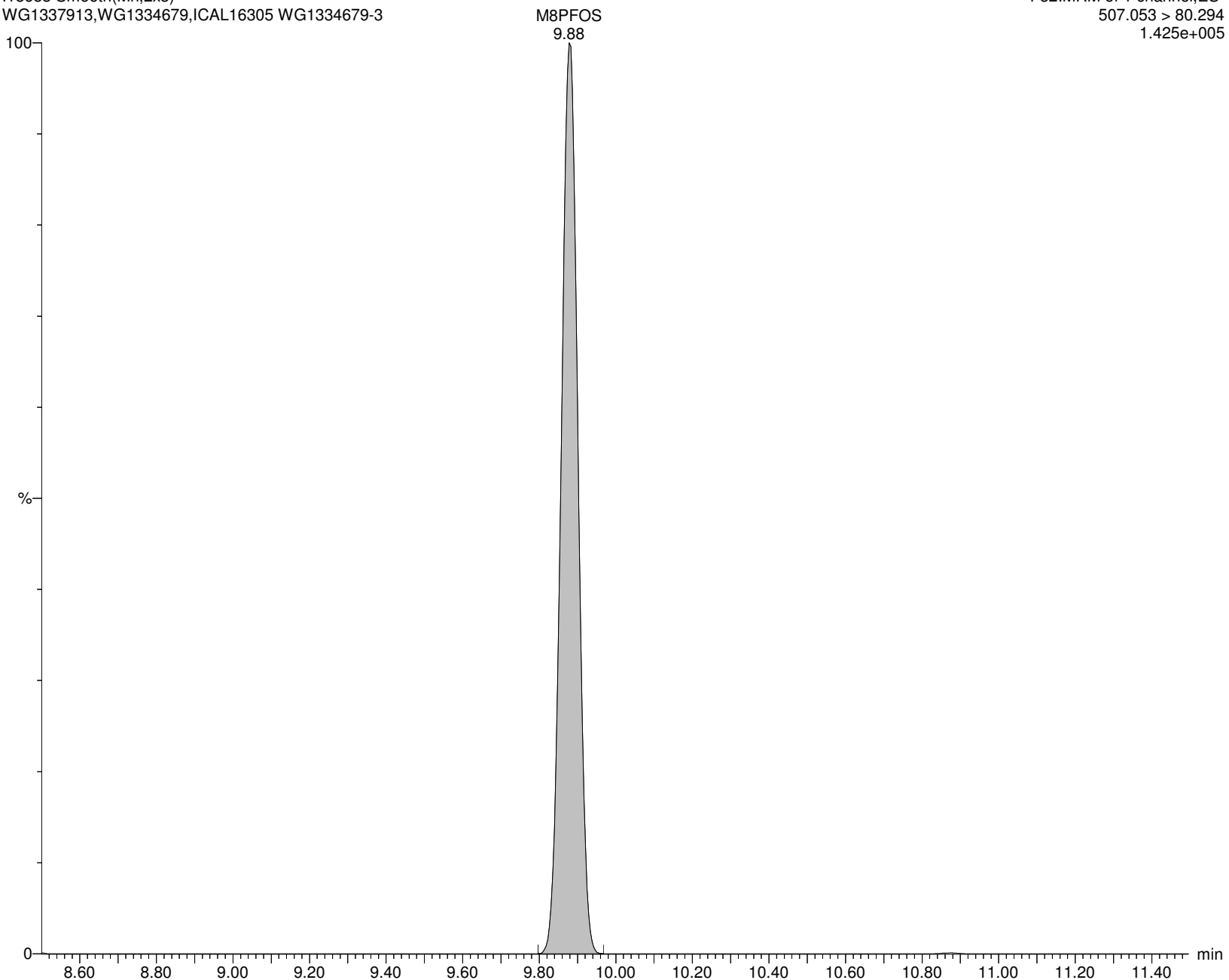
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.425e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDA**

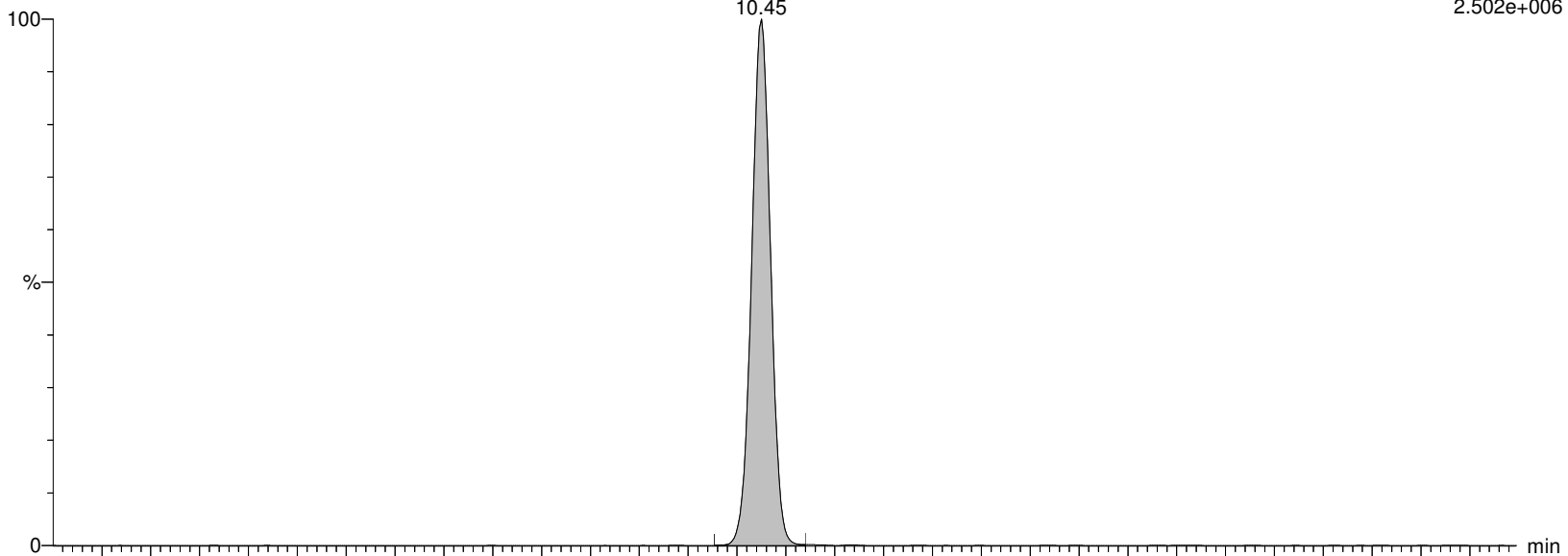
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F34:MRM of 2 channels, ES-

513.053 > 468.906

2.502e+006



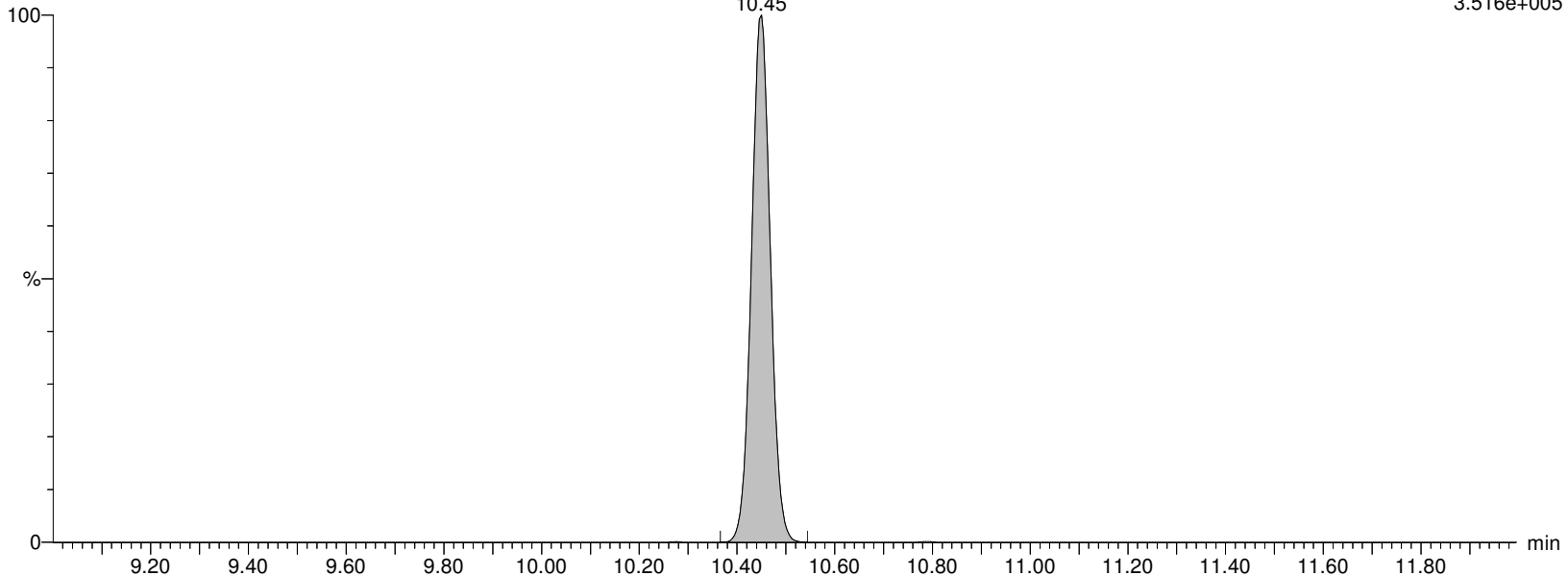
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F34:MRM of 2 channels, ES-

513.053 > 219.08

3.516e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

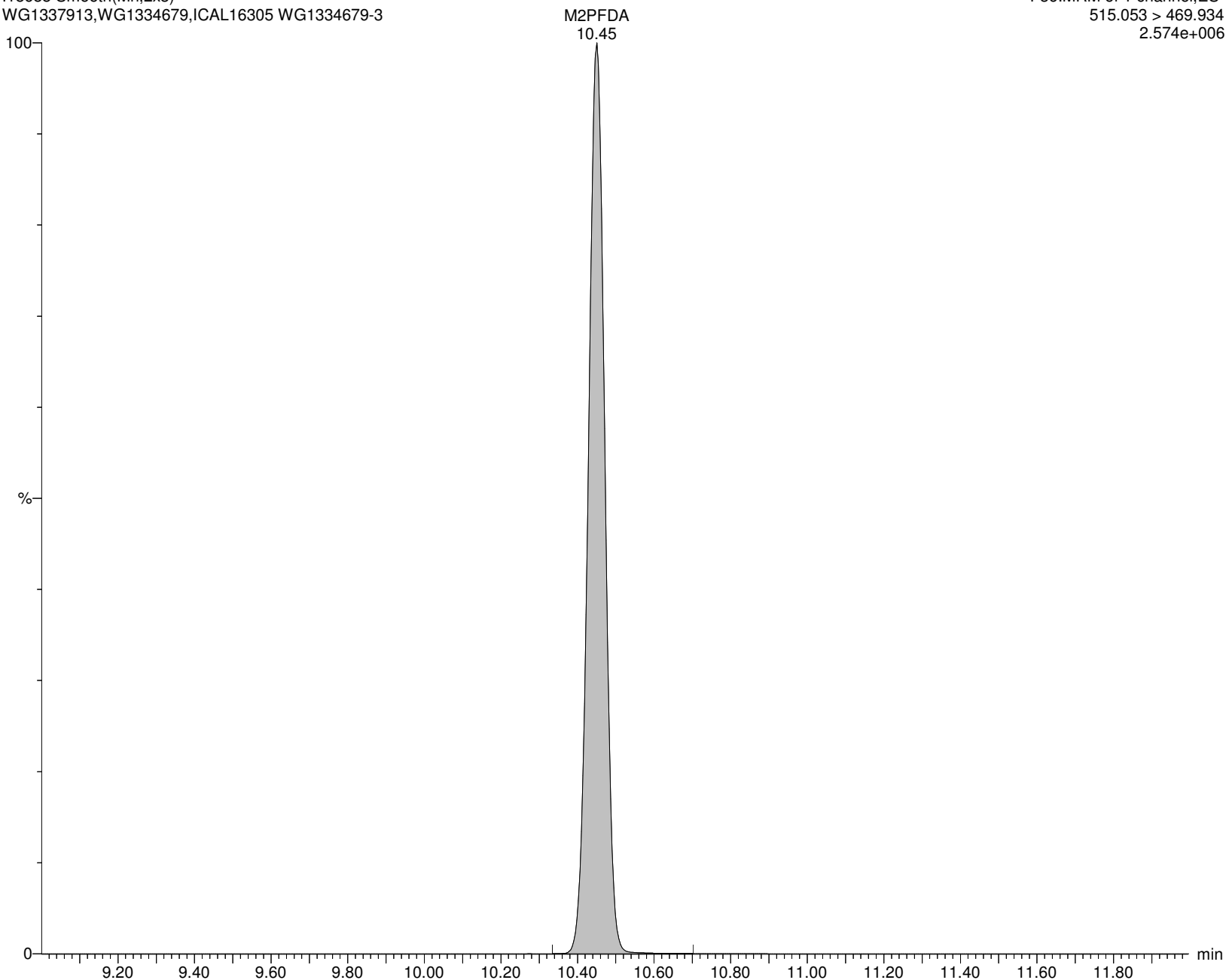
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F36:MRM of 1 channel, ES-

515.053 > 469.934

2.574e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

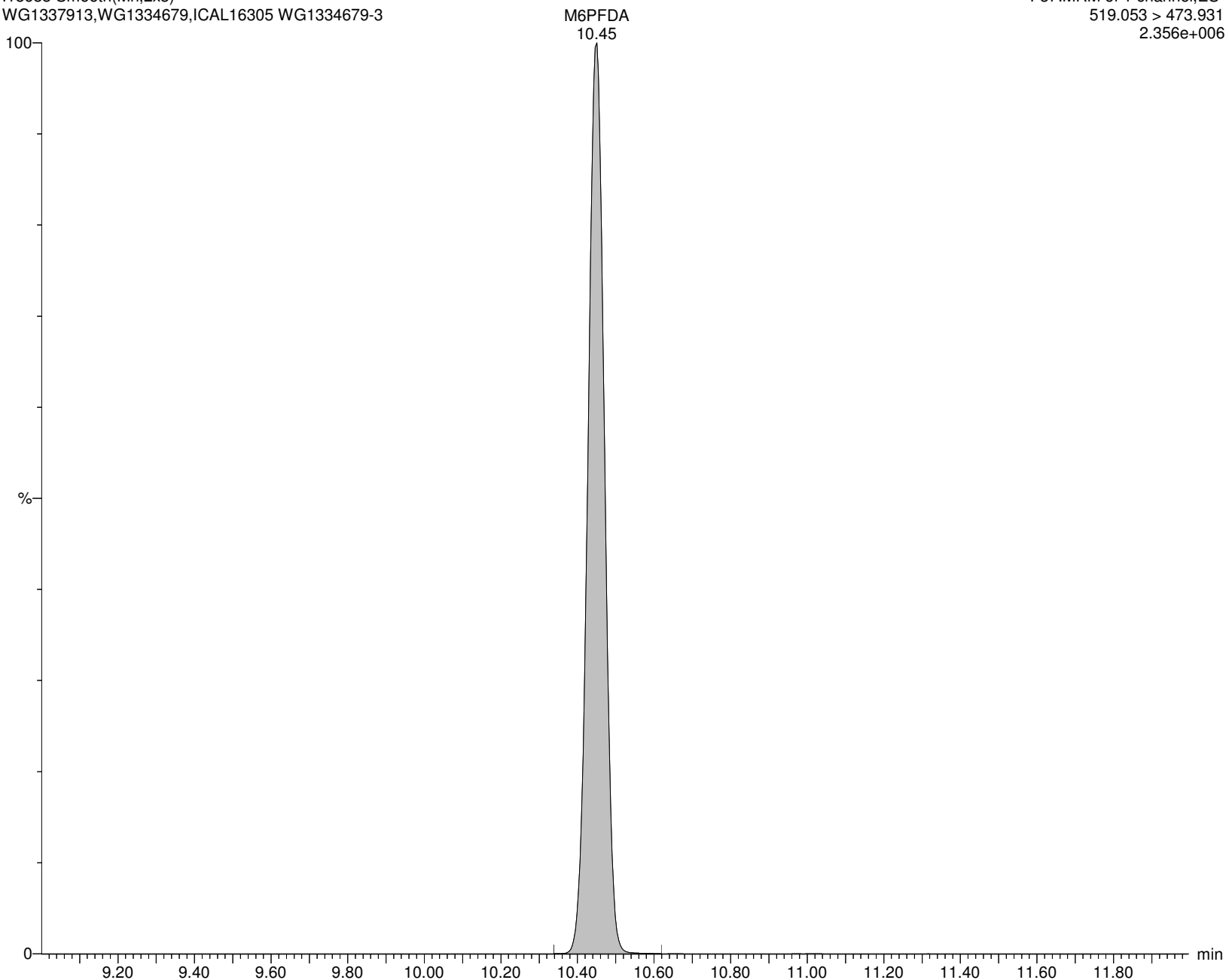
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.356e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****8:2FTS**

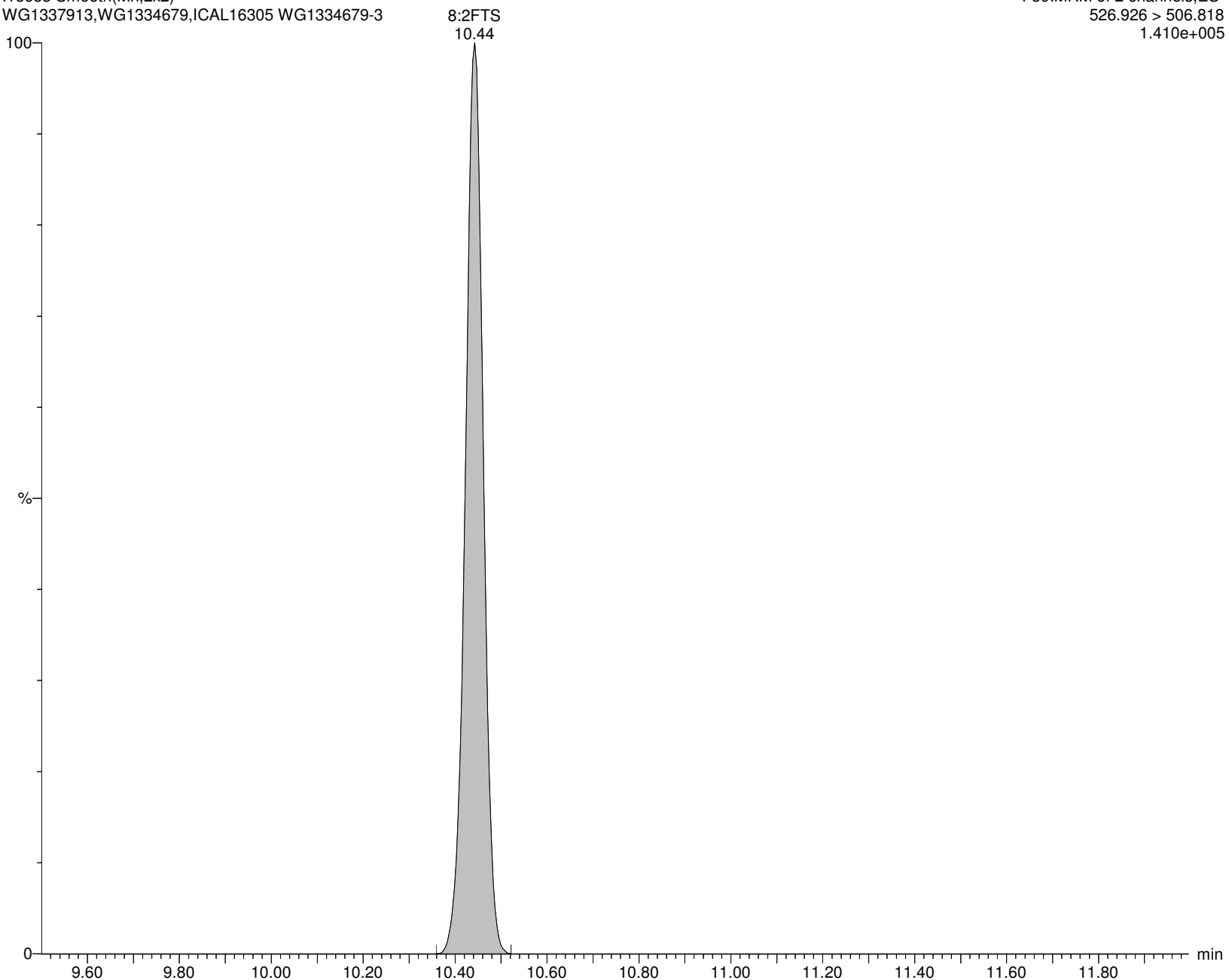
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F39:MRM of 2 channels, ES-

526.926 > 506.818

1.410e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

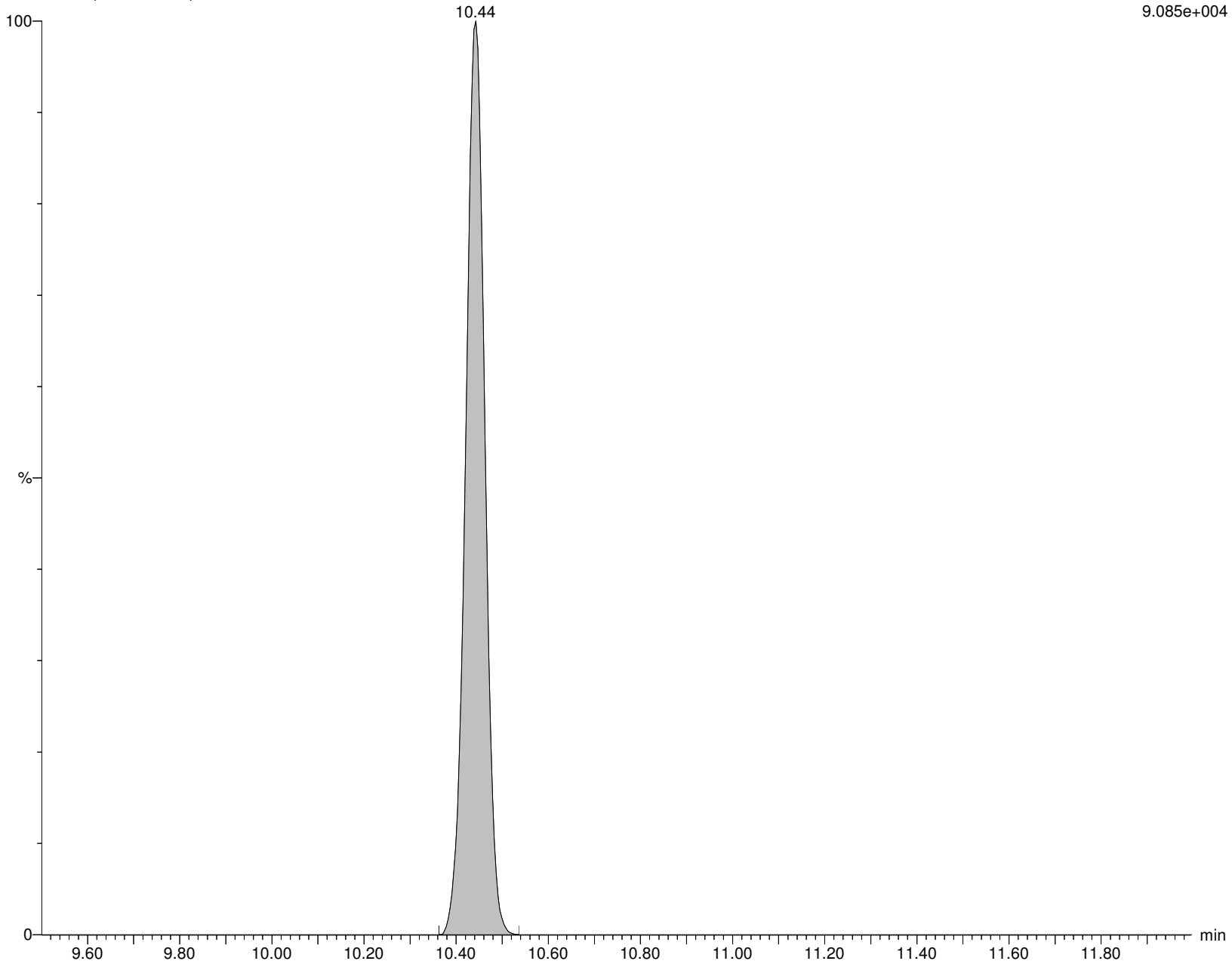
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F40:MRM of 2 channels, ES-

529.053 > 508.945

9.085e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

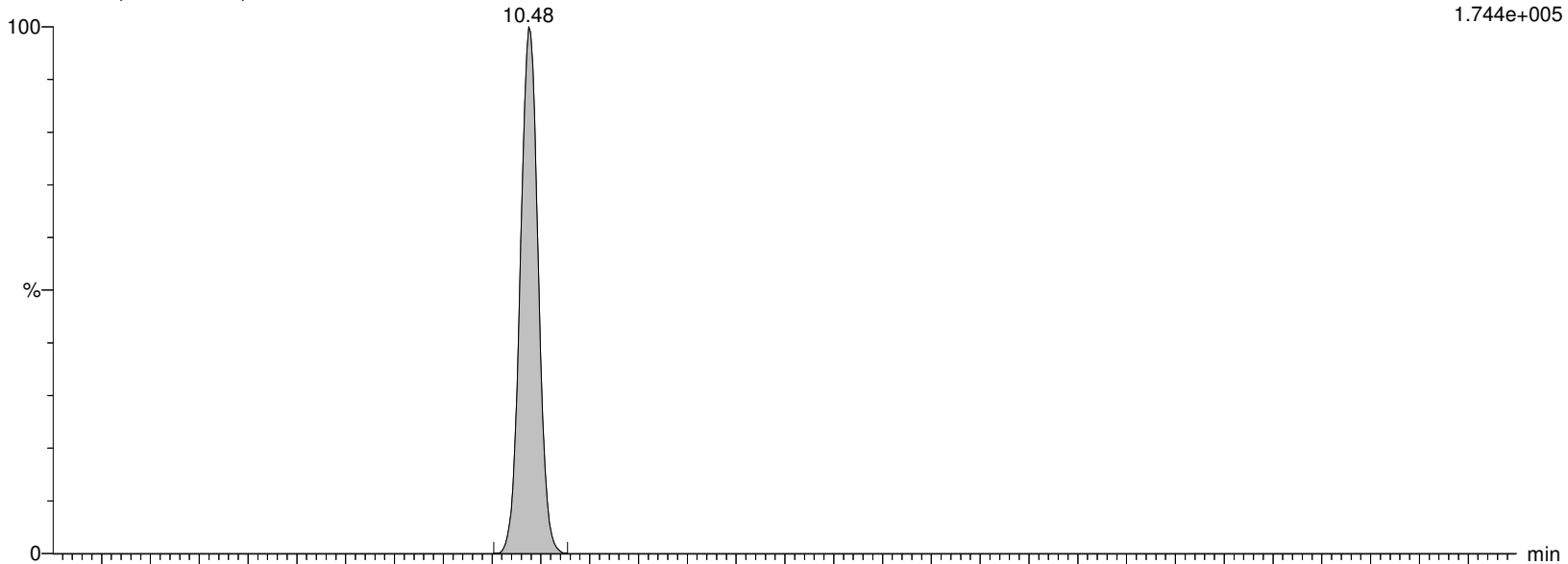
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3 PFNS

F43:MRM of 2 channels, ES-

548.989 > 80.249

1.744e+005



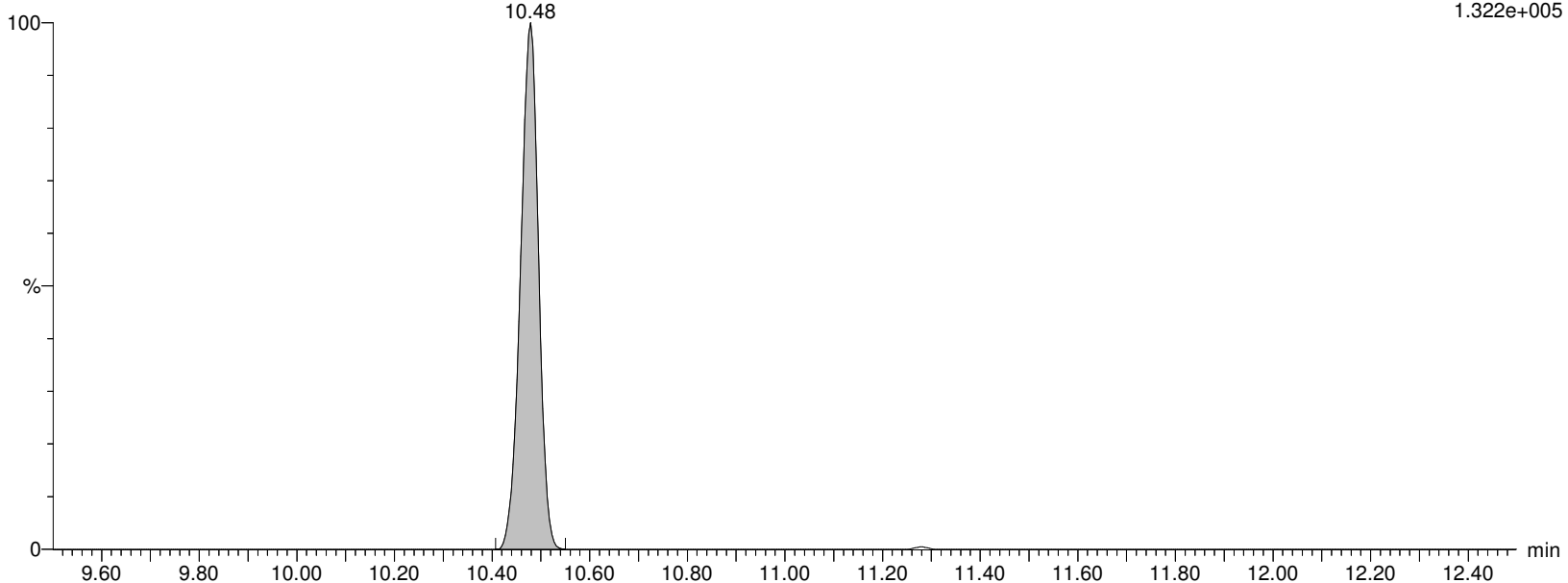
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3 PFNS

F43:MRM of 2 channels, ES-

548.989 > 99.22

1.322e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

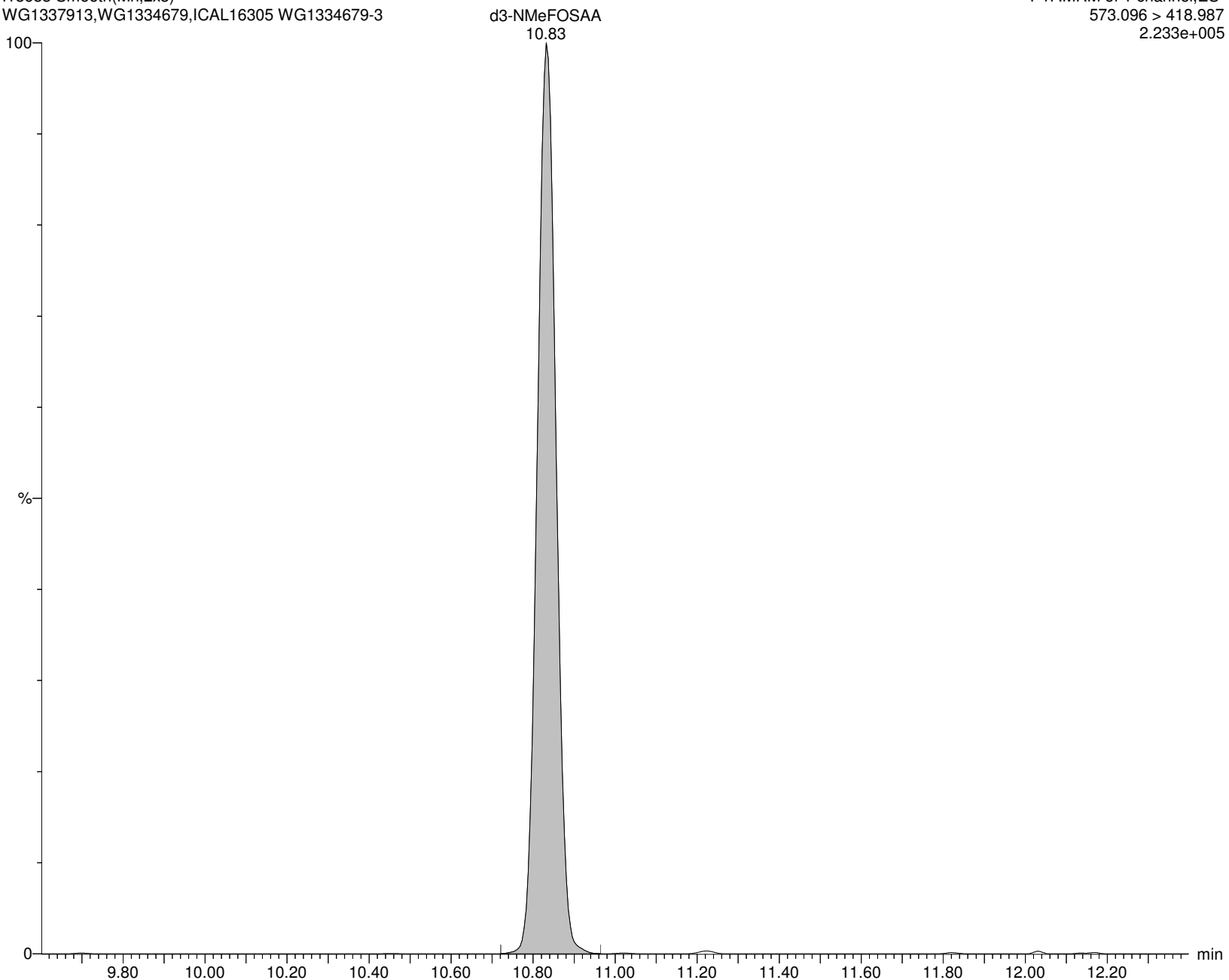
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F47:MRM of 1 channel, ES-

573.096 > 418.987

2.233e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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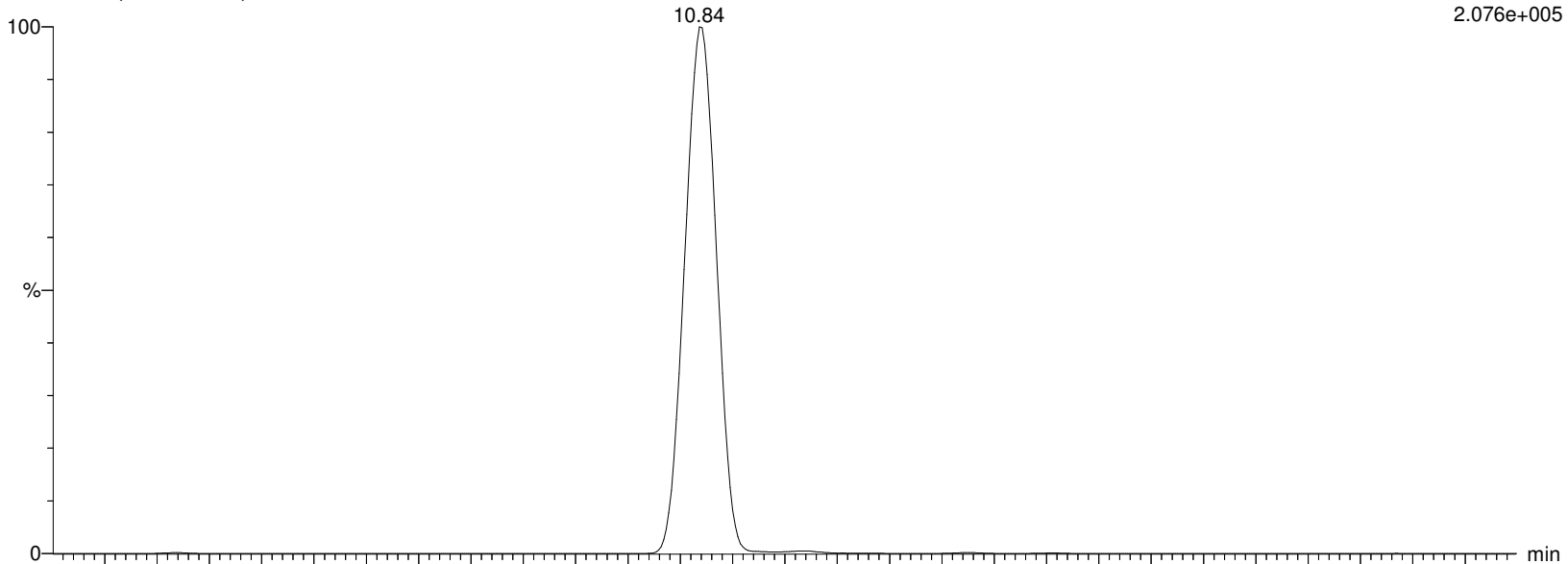
I18688 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.076e+005



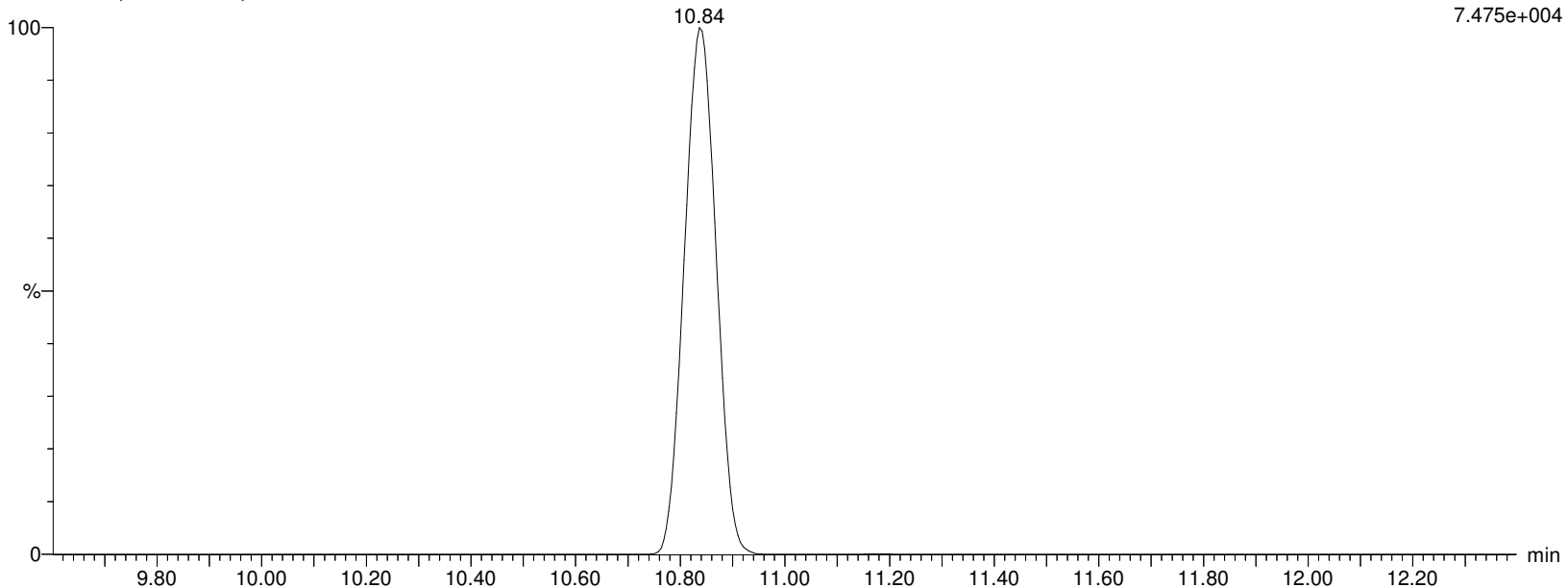
I18688 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F45:MRM of 2 channels, ES-

569.862 > 482.77

7.475e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NMeFOSAA

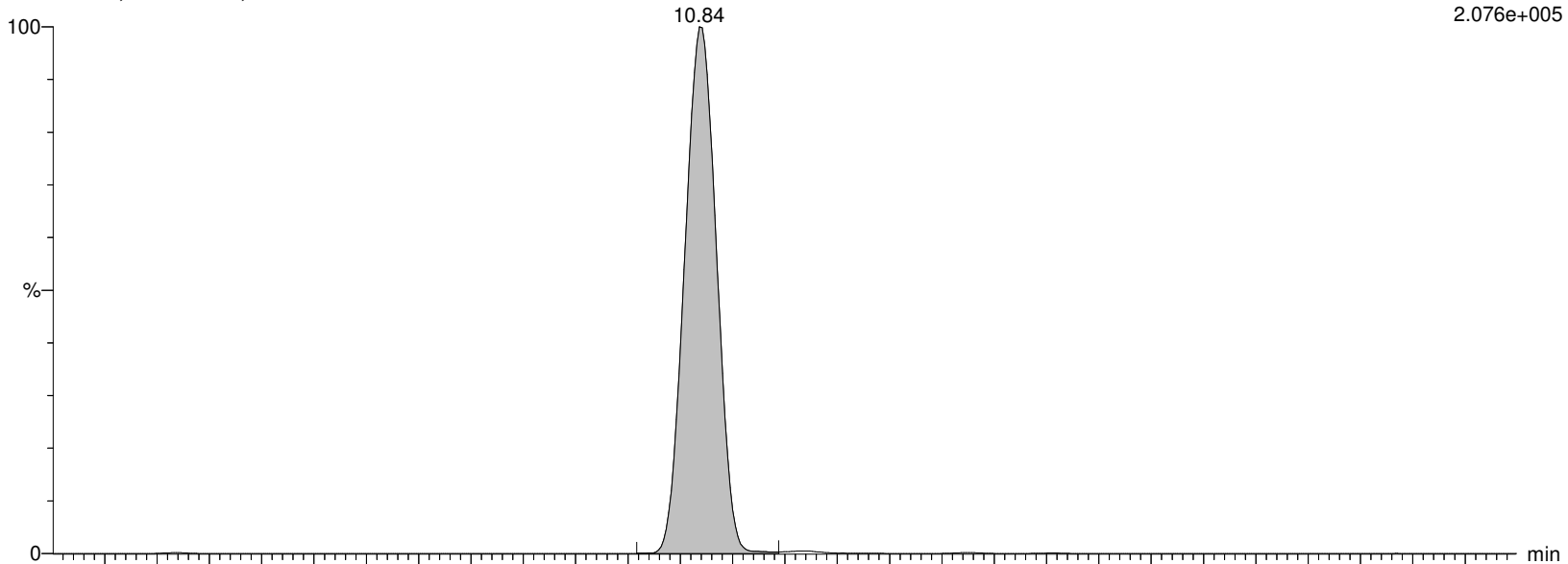
I18688 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.076e+005



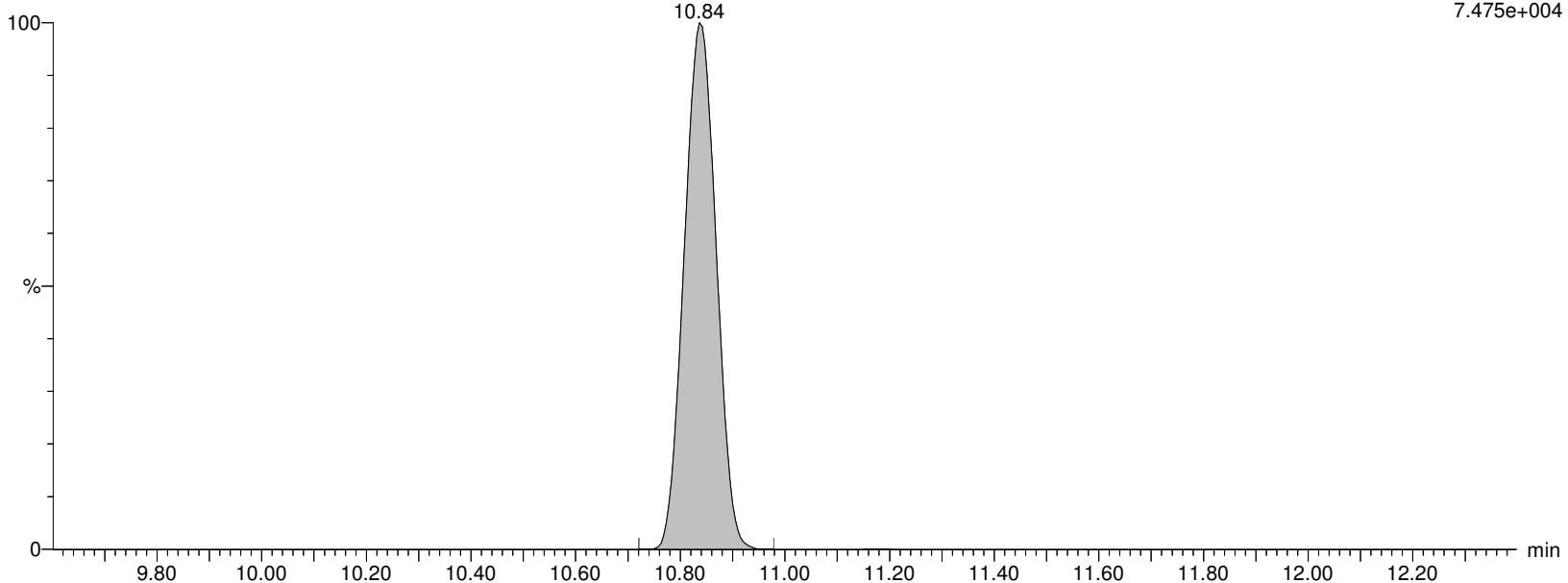
I18688 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F45:MRM of 2 channels, ES-

569.862 > 482.77

7.475e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913,WG1334679,ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

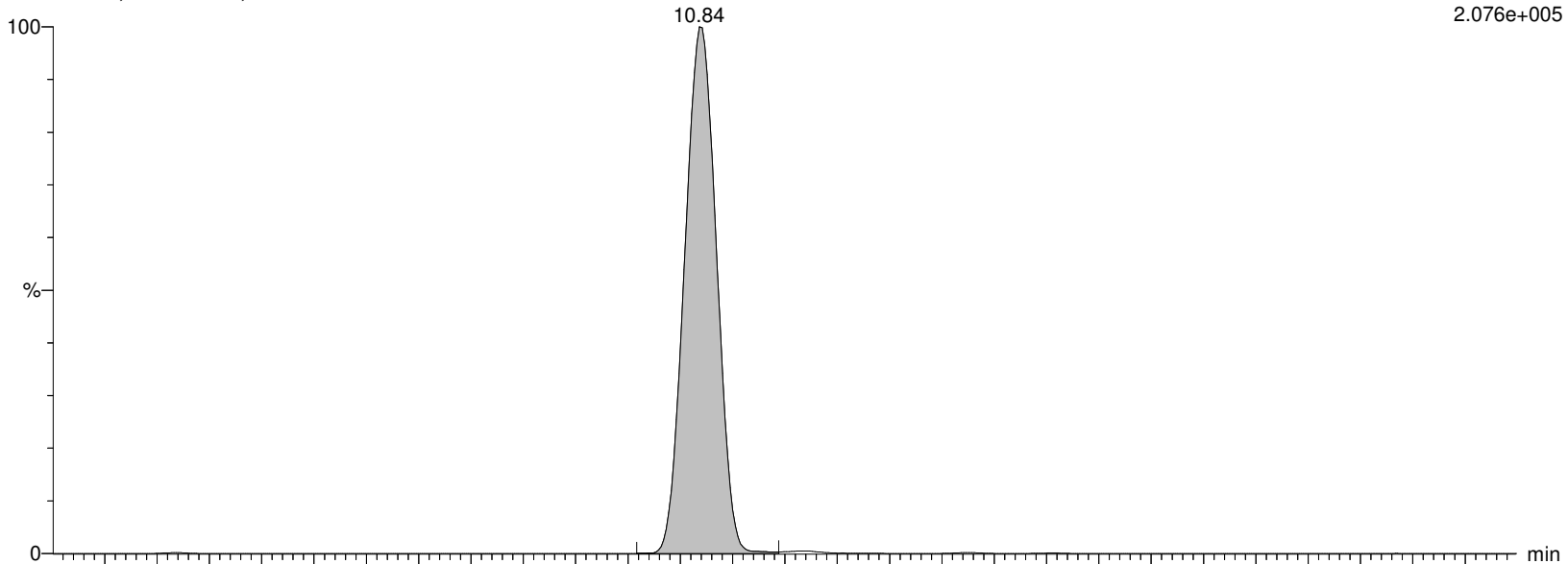
I18688 Smooth(Mn,2x5)

WG1337913,WG1334679,ICAL16305 WG1334679-3

F45:MRM of 2 channels,ES-

570.053 > 418.917

2.076e+005



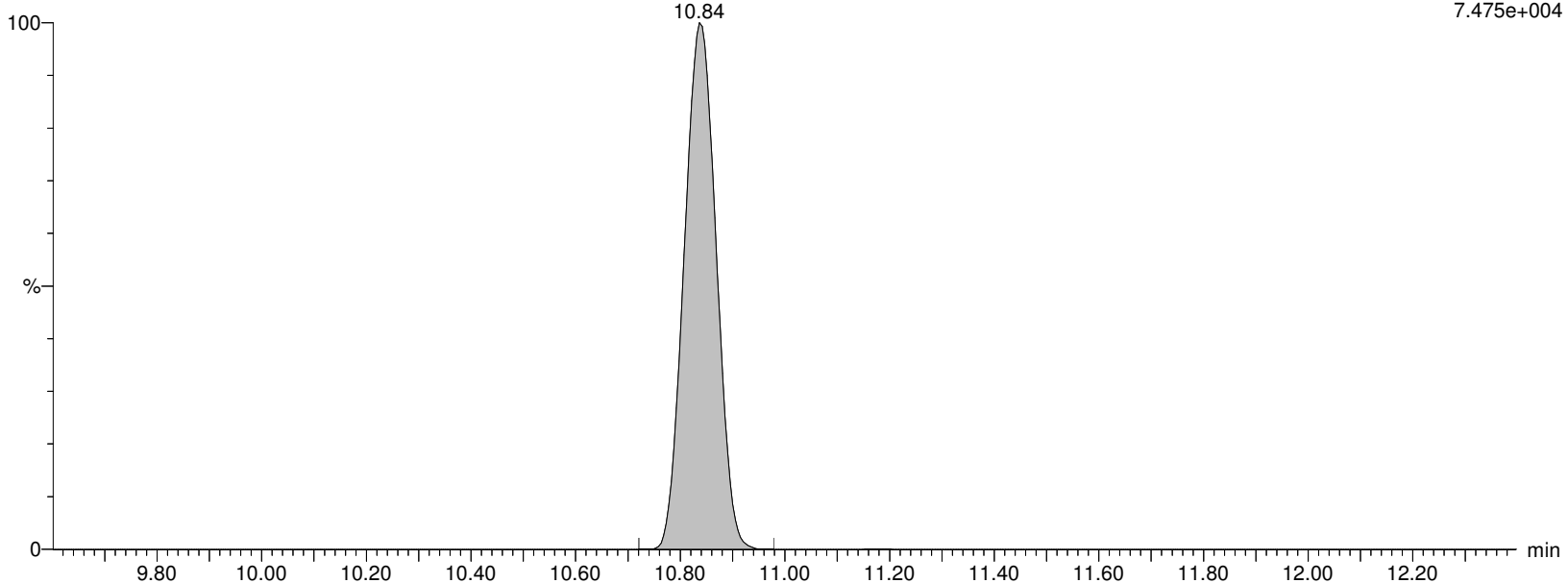
I18688 Smooth(Mn,2x5)

WG1337913,WG1334679,ICAL16305 WG1334679-3

F45:MRM of 2 channels,ES-

569.862 > 482.77

7.475e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

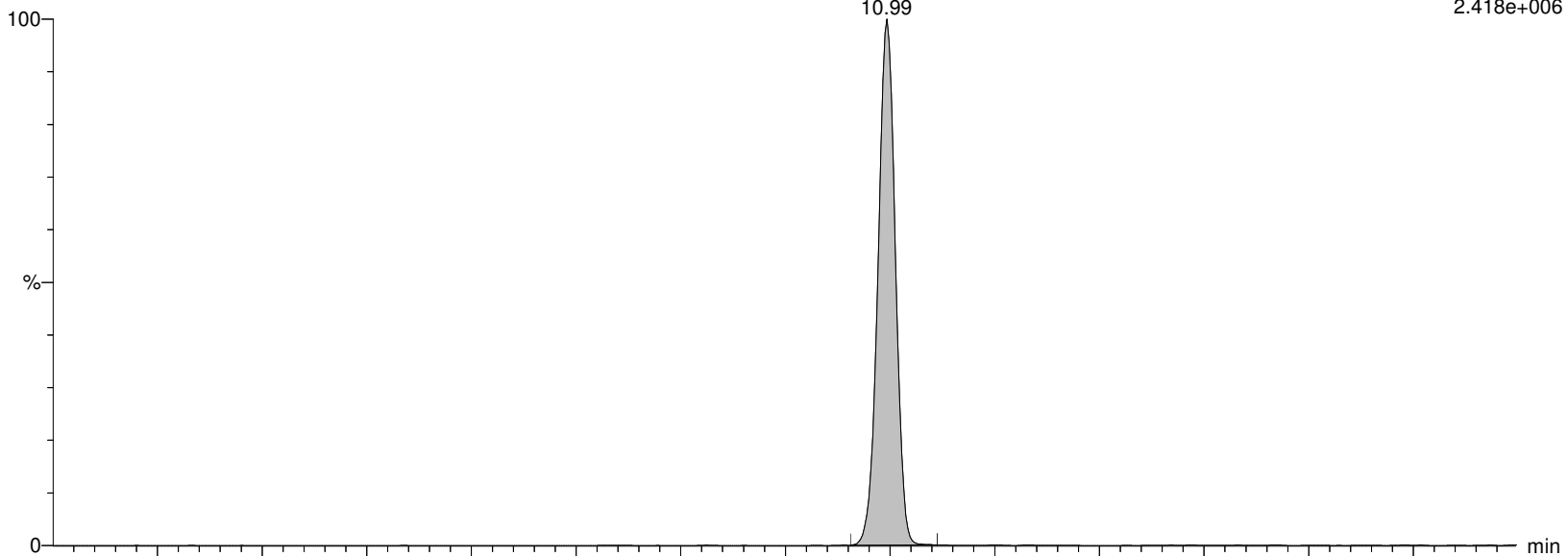
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F44:MRM of 2 channels, ES-

562.989 > 518.903

2.418e+006



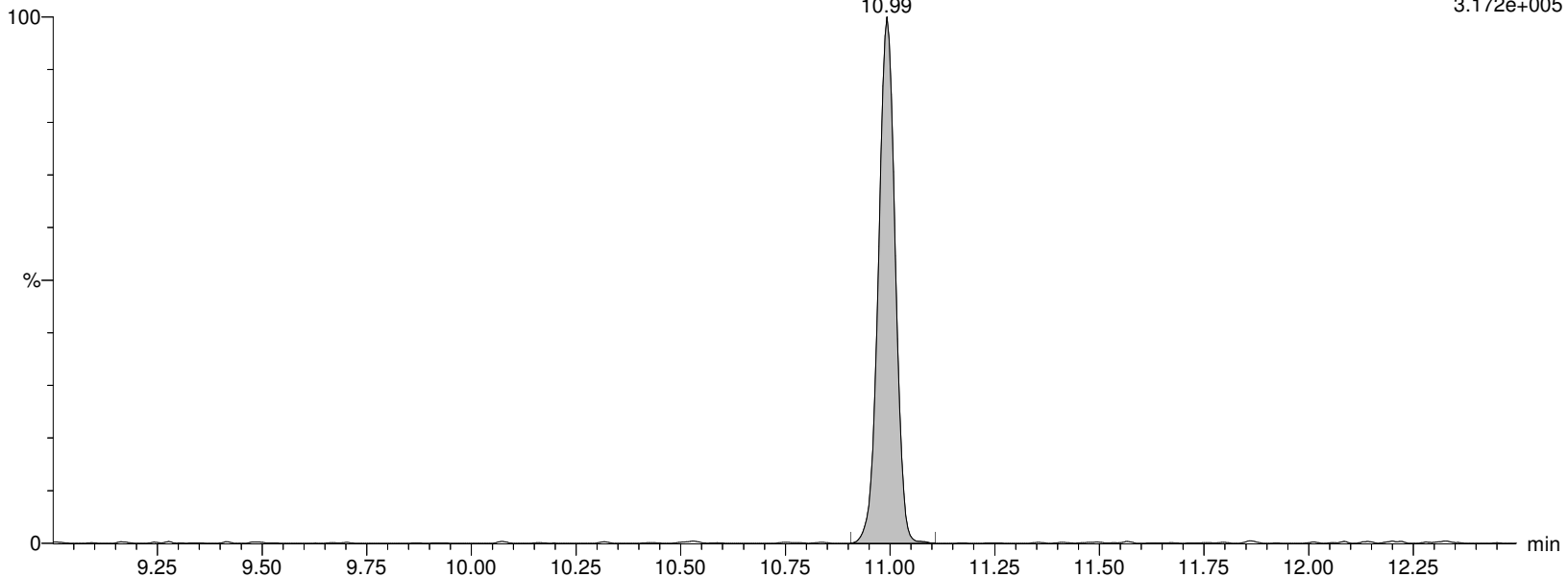
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F44:MRM of 2 channels, ES-

562.989 > 269.01

3.172e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M7-PFUDA

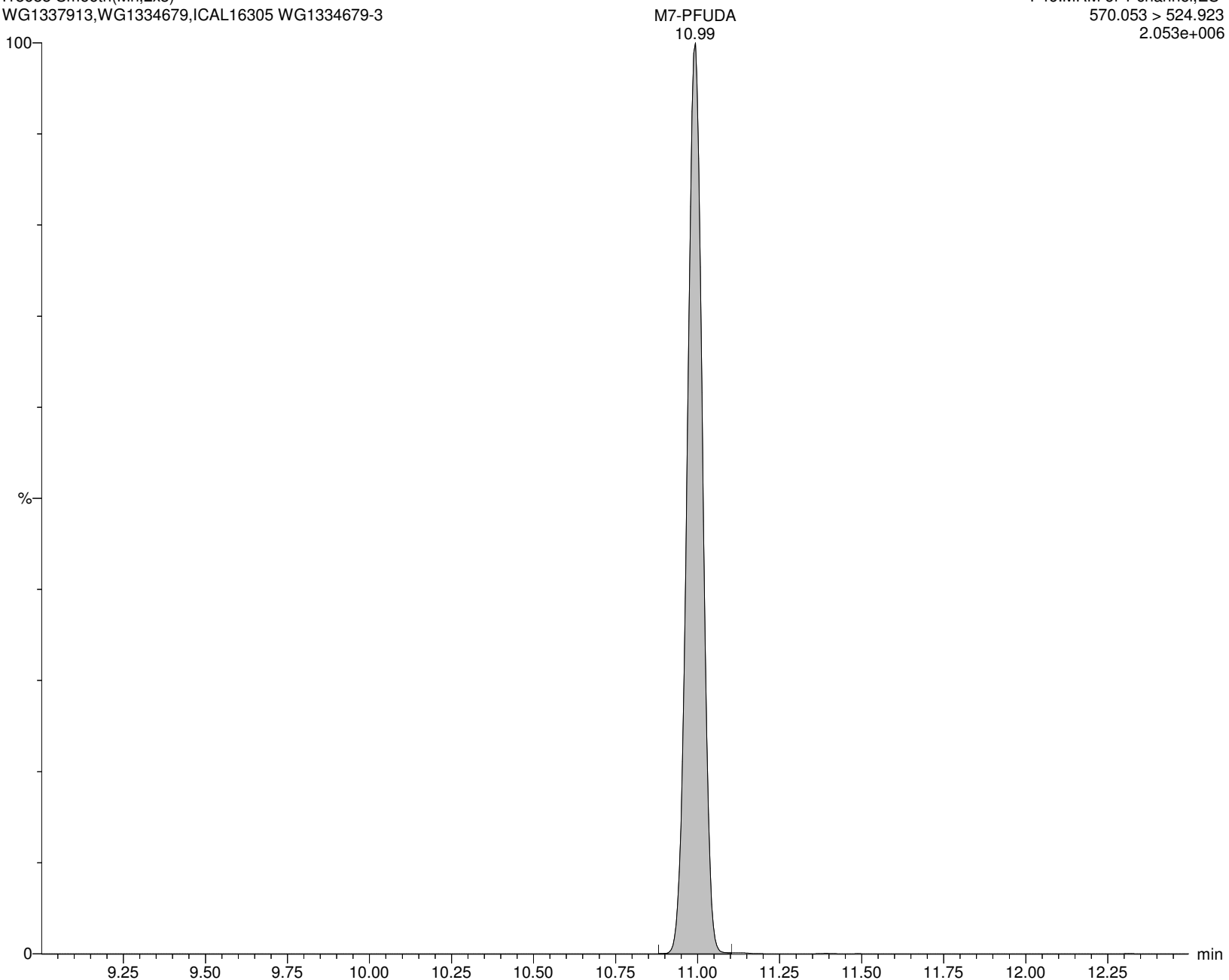
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.053e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDS

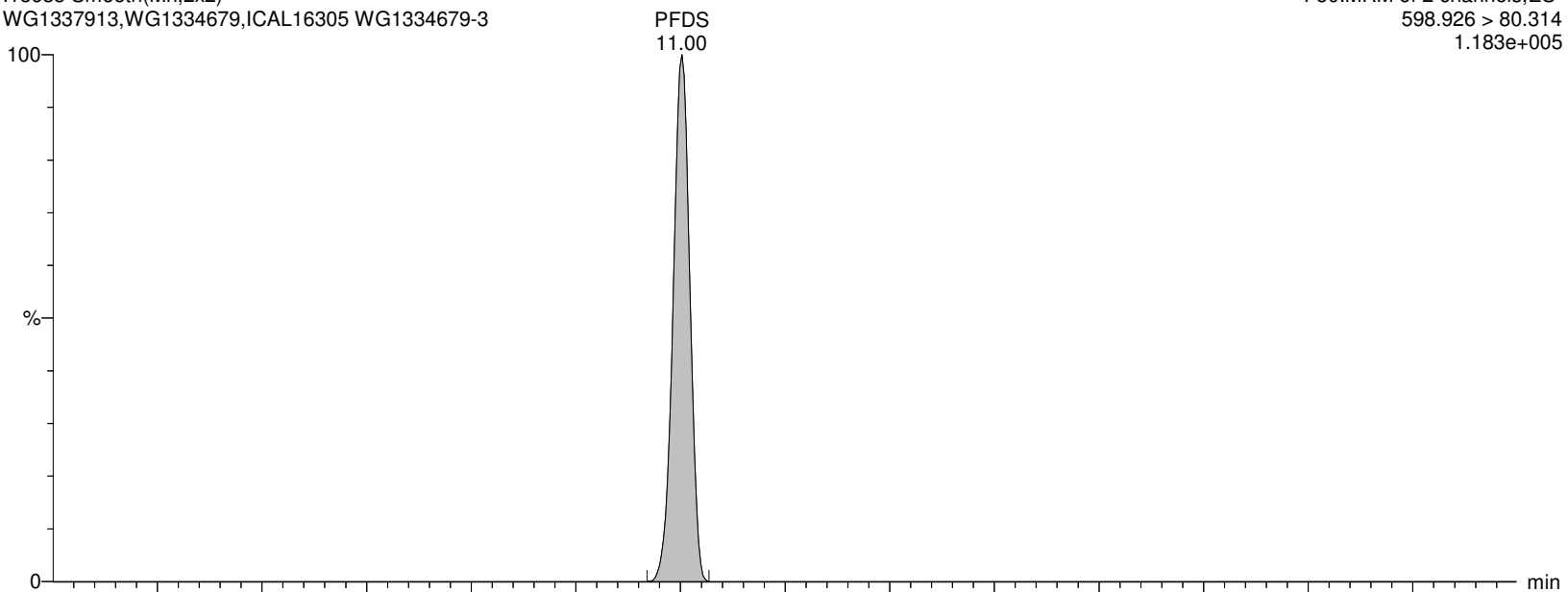
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F50:MRM of 2 channels, ES-

598.926 > 80.314

1.183e+005



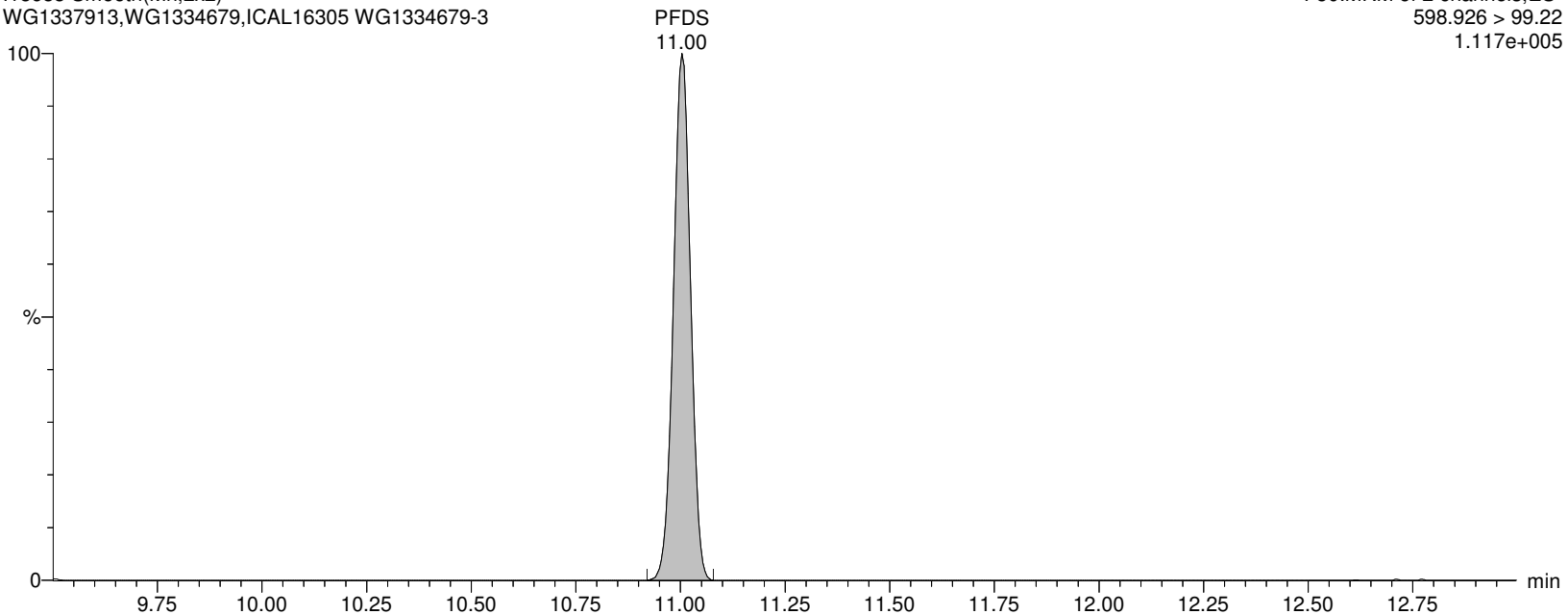
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F50:MRM of 2 channels, ES-

598.926 > 99.22

1.117e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

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Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****FOSA**

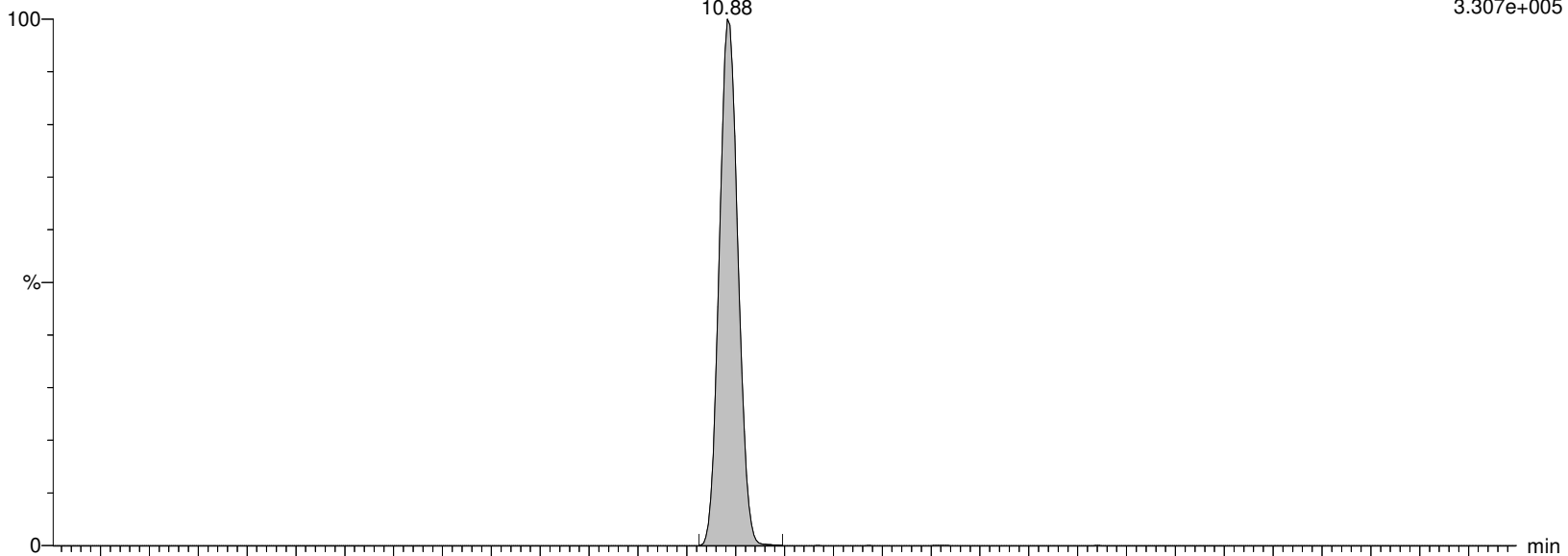
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F28:MRM of 2 channels, ES-

497.989 > 78.245

3.307e+005



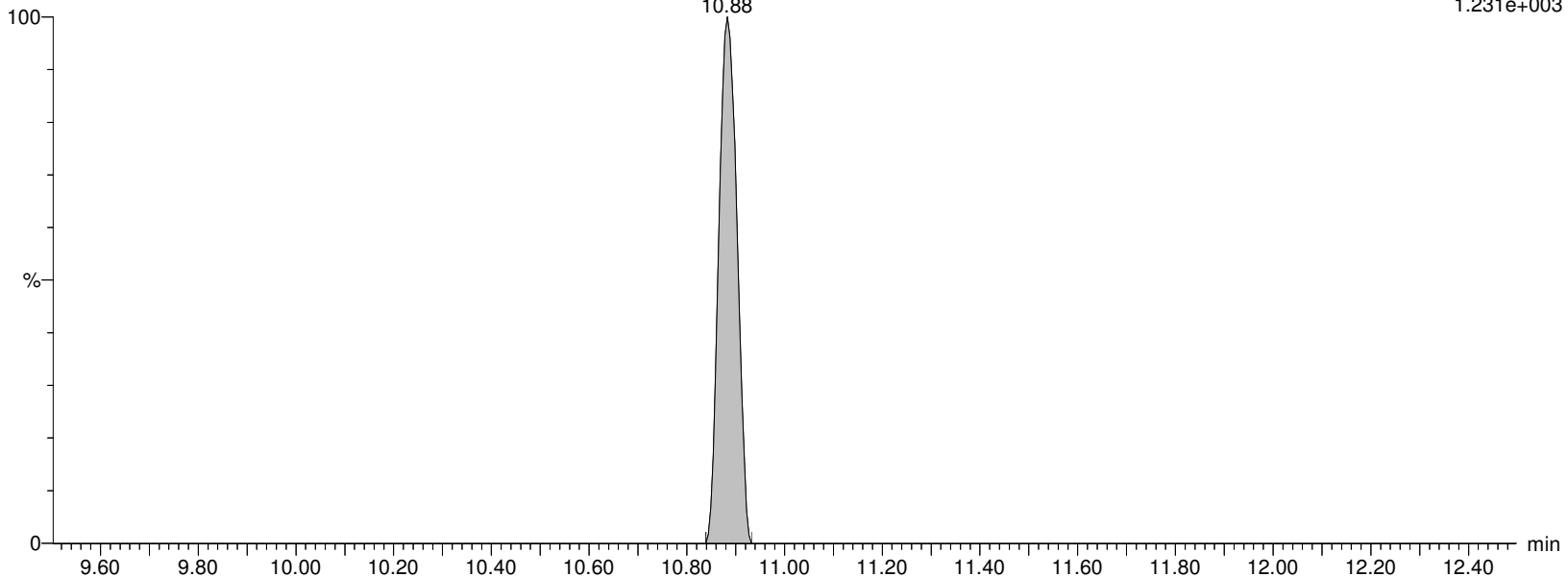
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F28:MRM of 2 channels, ES-

497.989 > 168.854

1.231e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

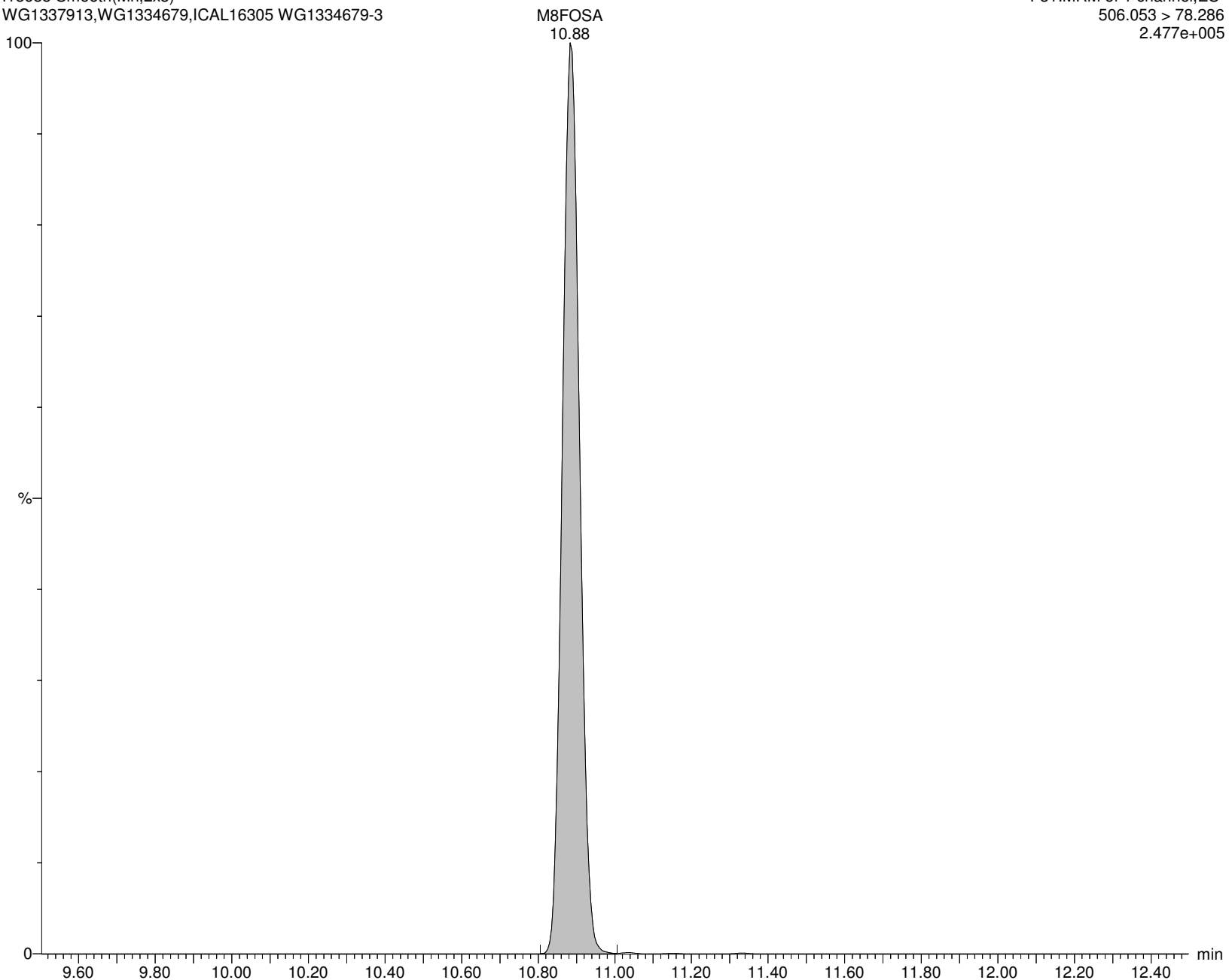
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F31:MRM of 1 channel, ES-

506.053 > 78.286

2.477e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

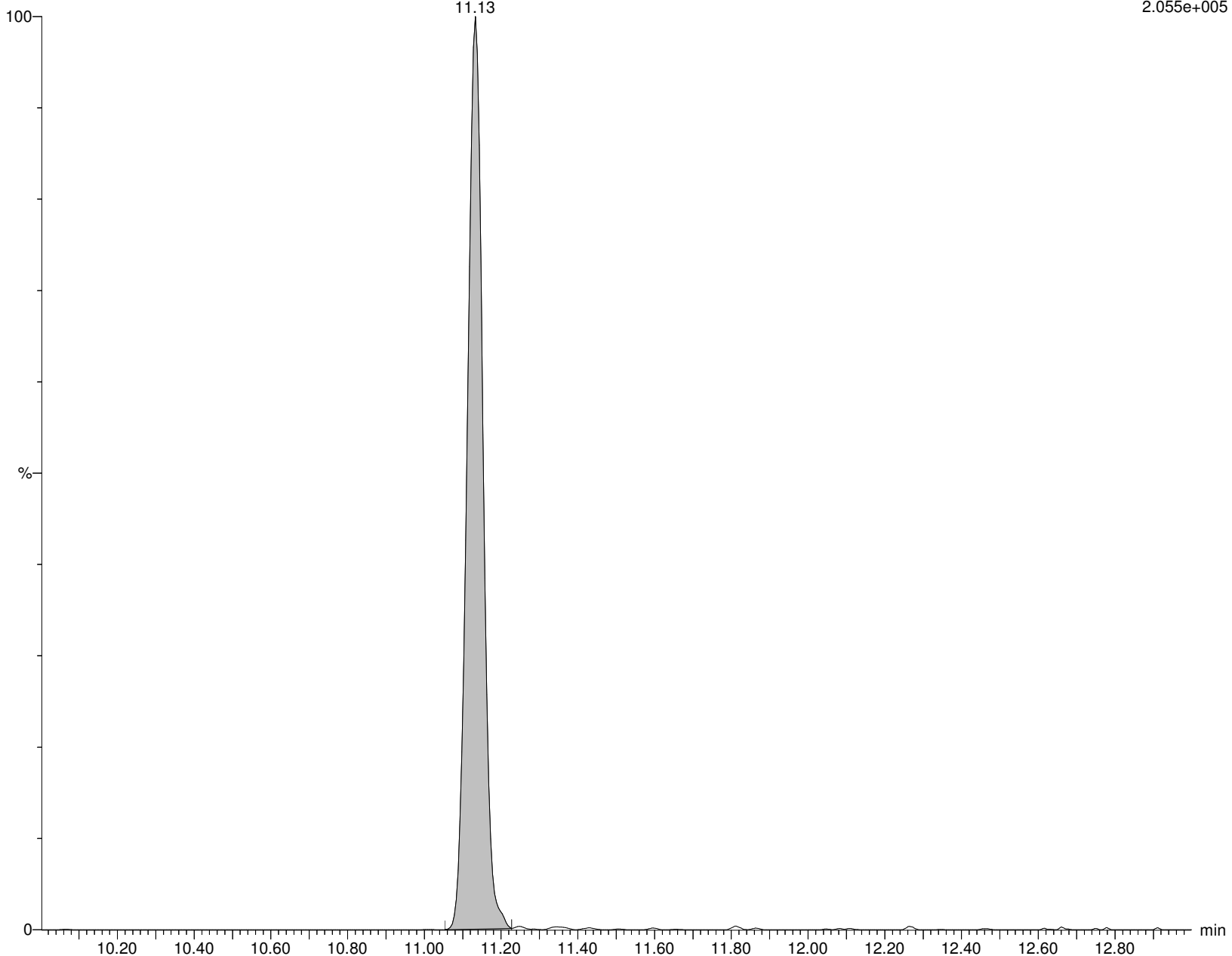
d5-NEtFOSAA

11.13

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.055e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

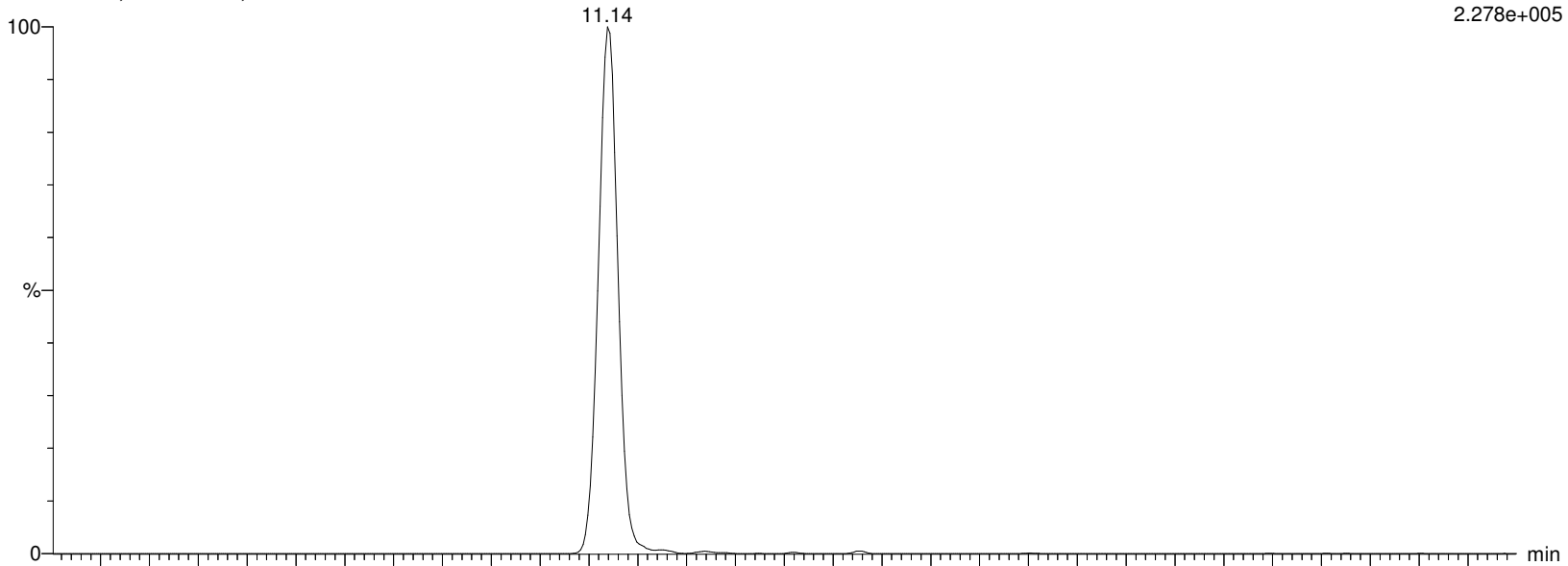
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.278e+005



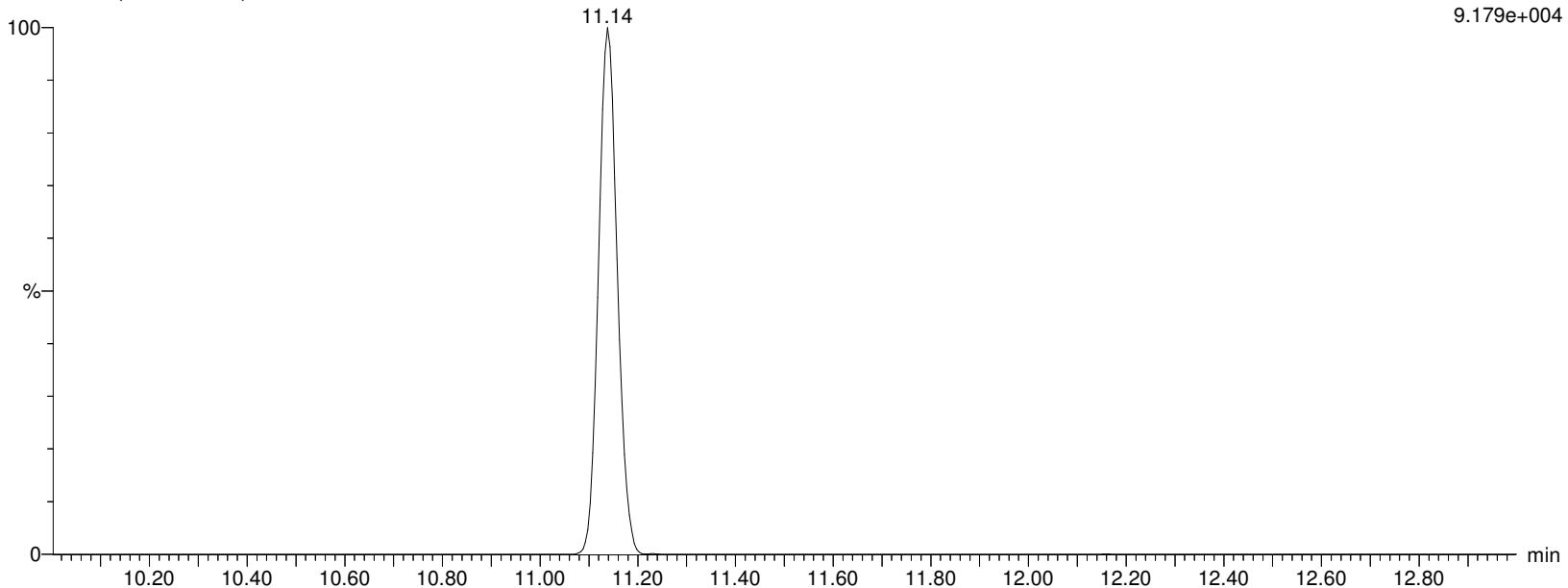
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.179e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688

ID: WG1334679-3

Date: 07-Feb-2020

Time: 02:53:51

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:A,2

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

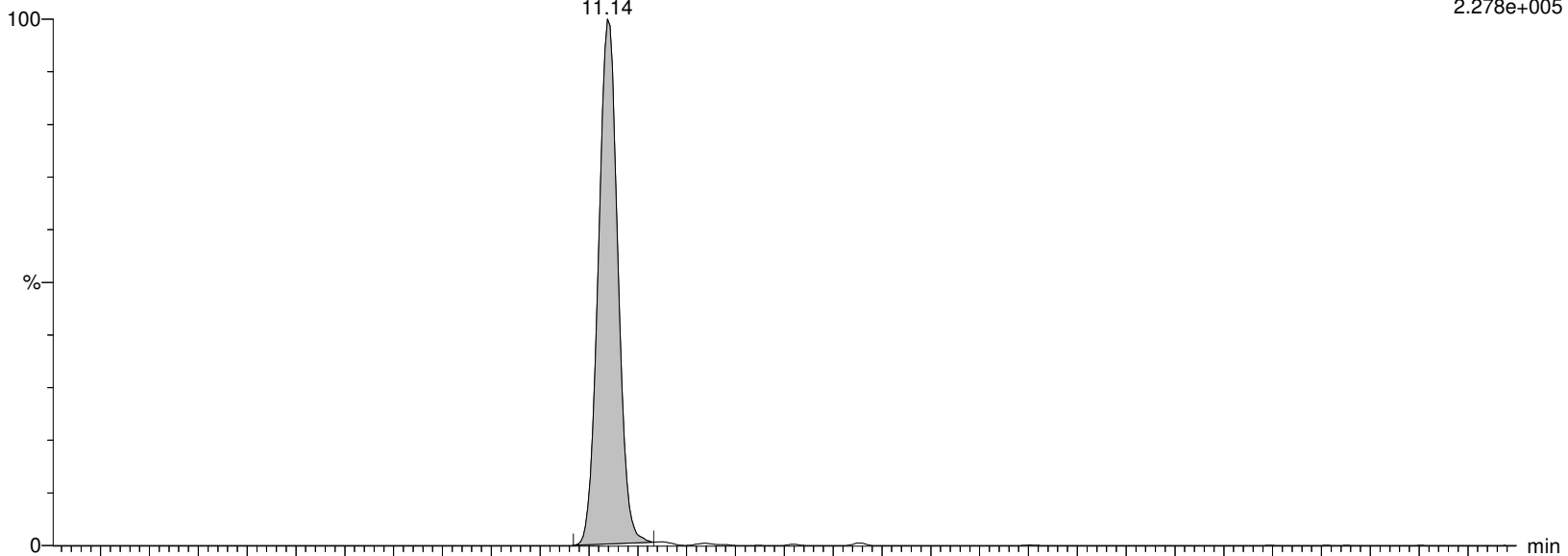
L-NEtFOSAA

11.14

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.278e+005



I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

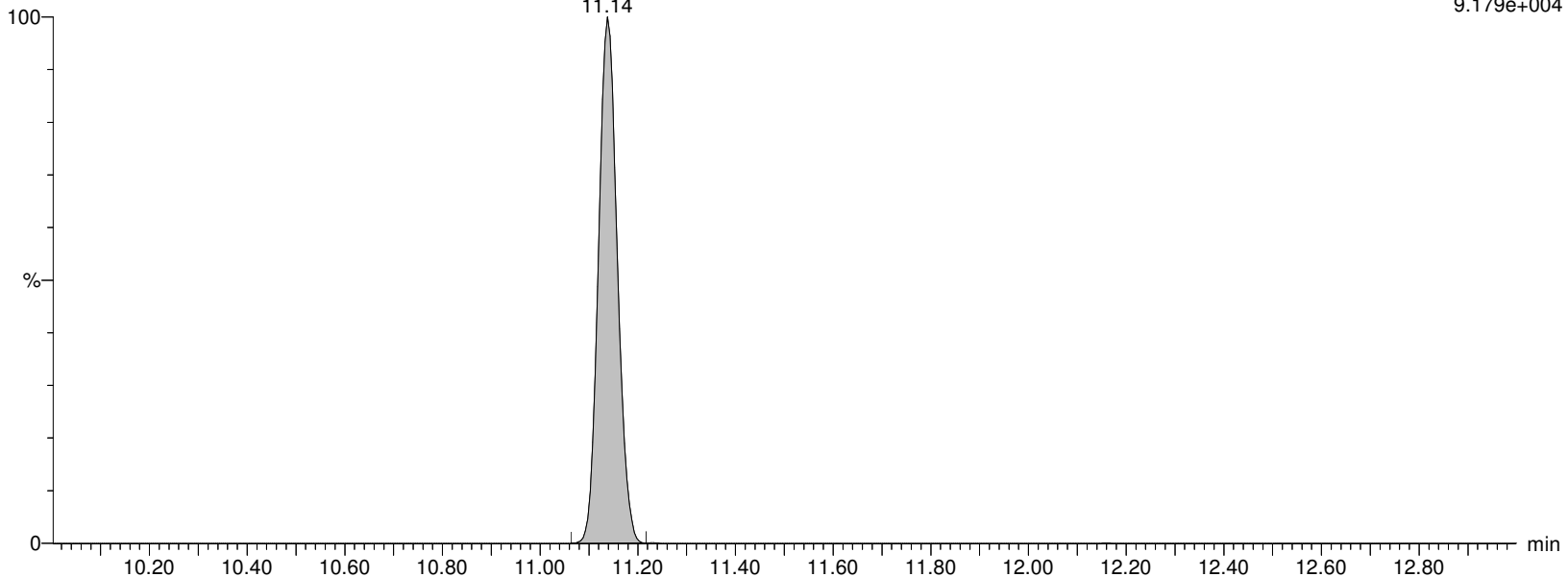
L-NEtFOSAA

11.14

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.179e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****NetFOSAA**

I18688 Smooth(Mn,2x2)

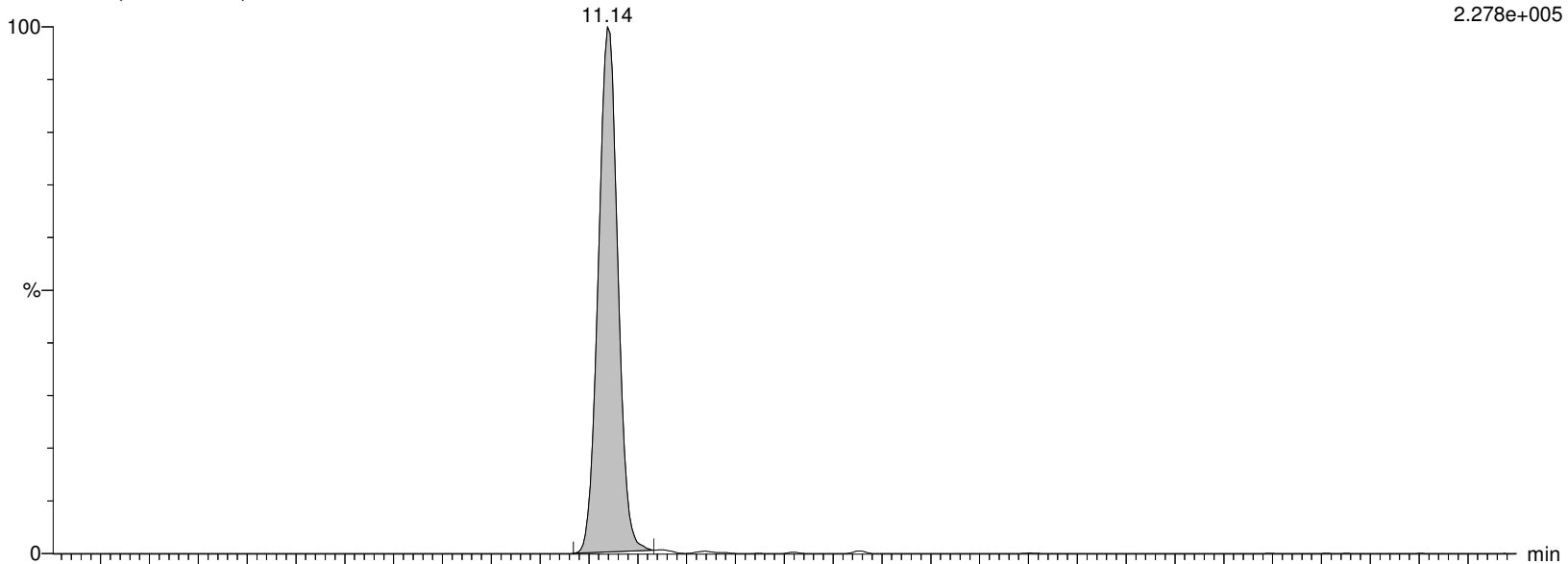
WG1337913, WG1334679, ICAL16305 WG1334679-3

L-NEtFOSAA

F48:MRM of 2 channels, ES-

583.989 > 418.927

2.278e+005



I18688 Smooth(Mn,2x2)

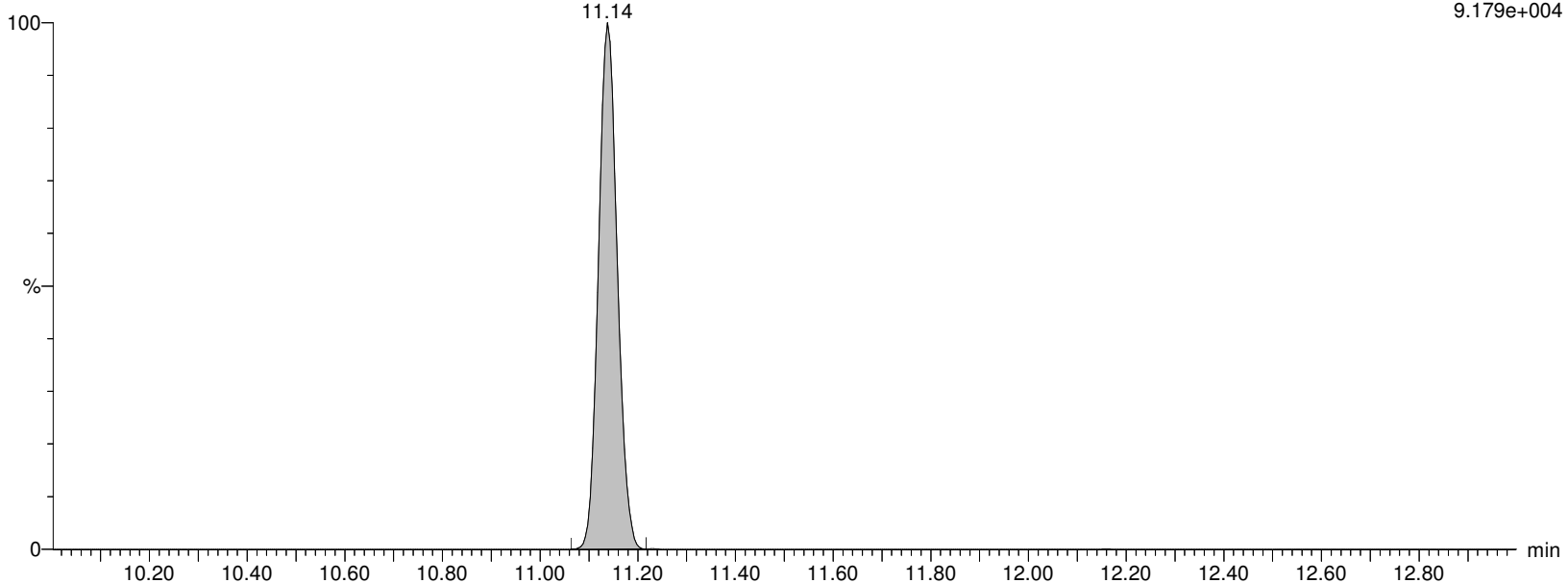
WG1337913, WG1334679, ICAL16305 WG1334679-3

L-NEtFOSAA

F48:MRM of 2 channels, ES-

583.989 > 482.88

9.179e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFD0A**

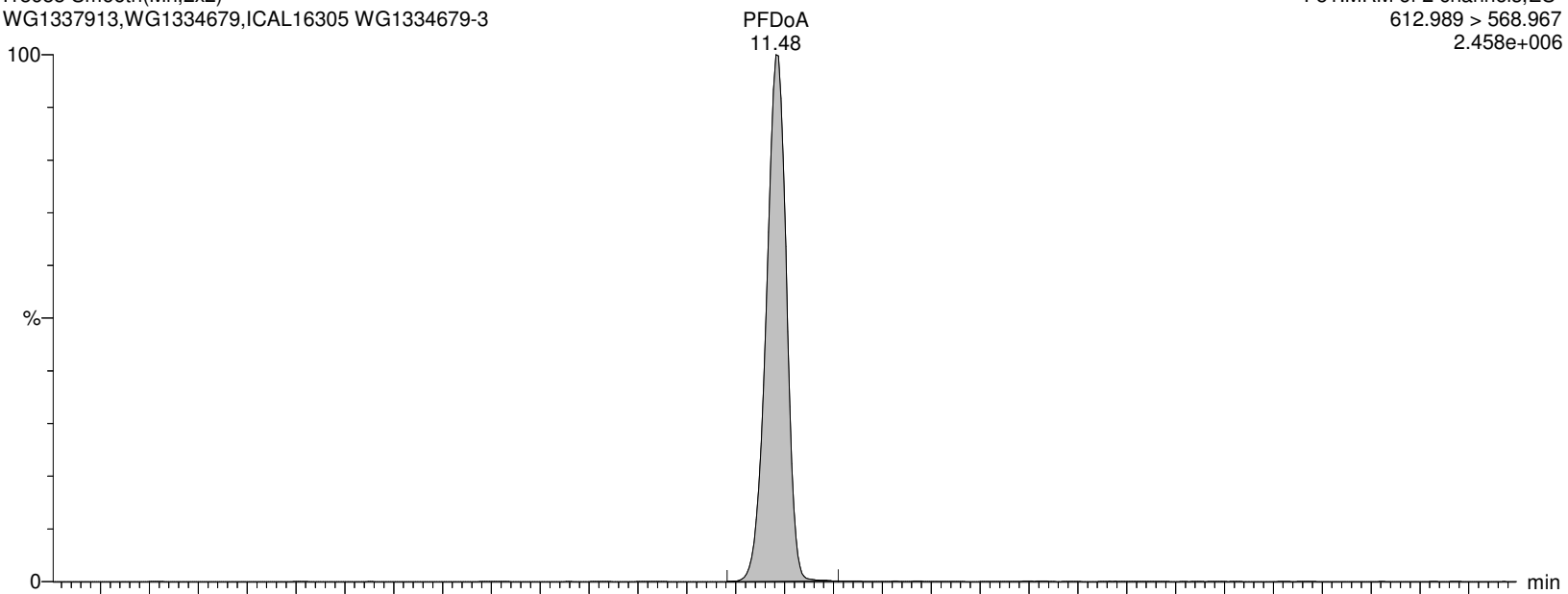
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F51:MRM of 2 channels, ES-

612.989 > 568.967

2.458e+006



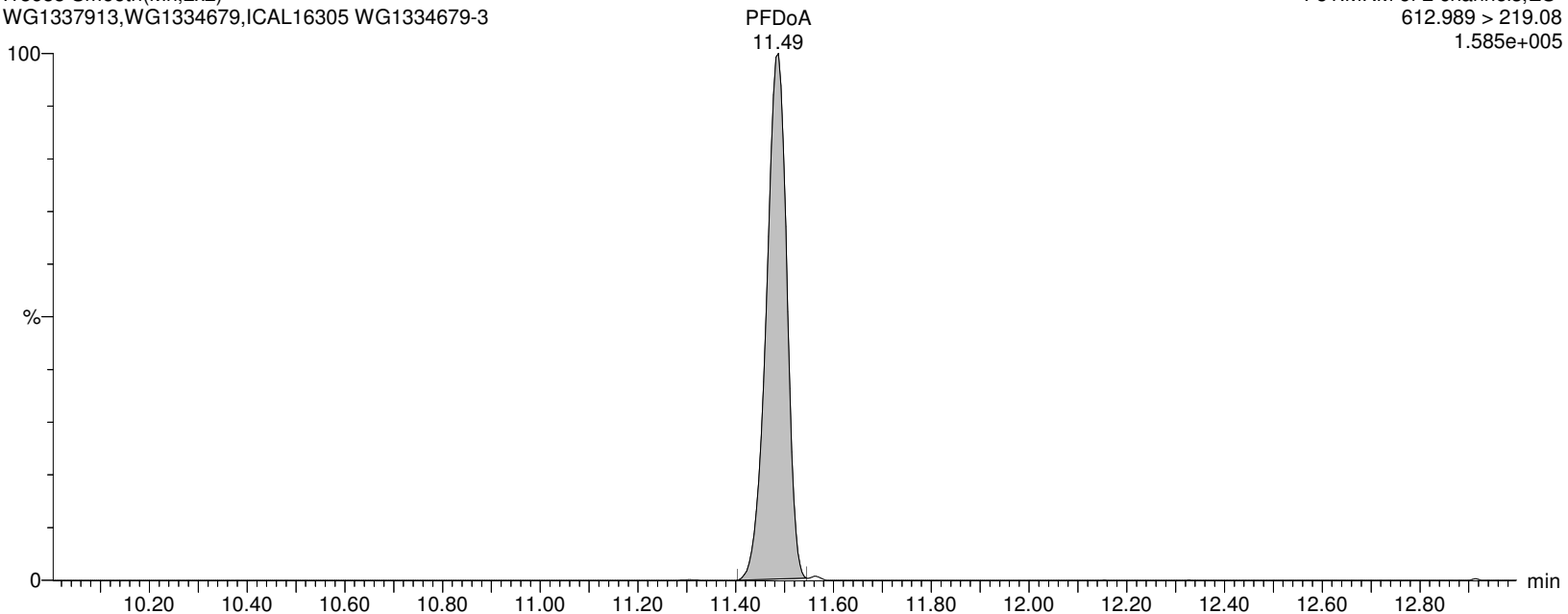
I18688 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F51:MRM of 2 channels, ES-

612.989 > 219.08

1.585e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

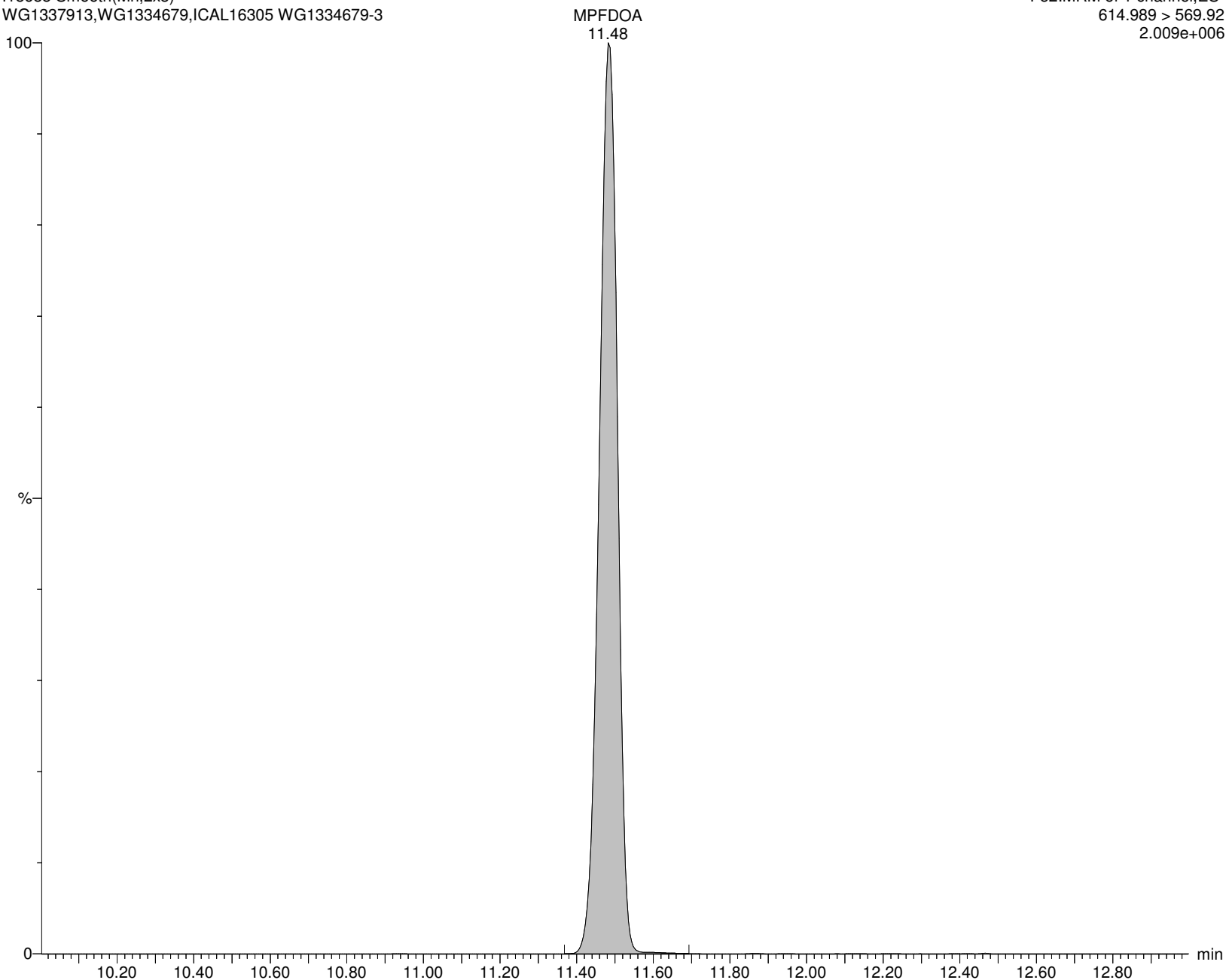
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F52:MRM of 1 channel, ES-

614.989 > 569.92

2.009e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFTTrDA**

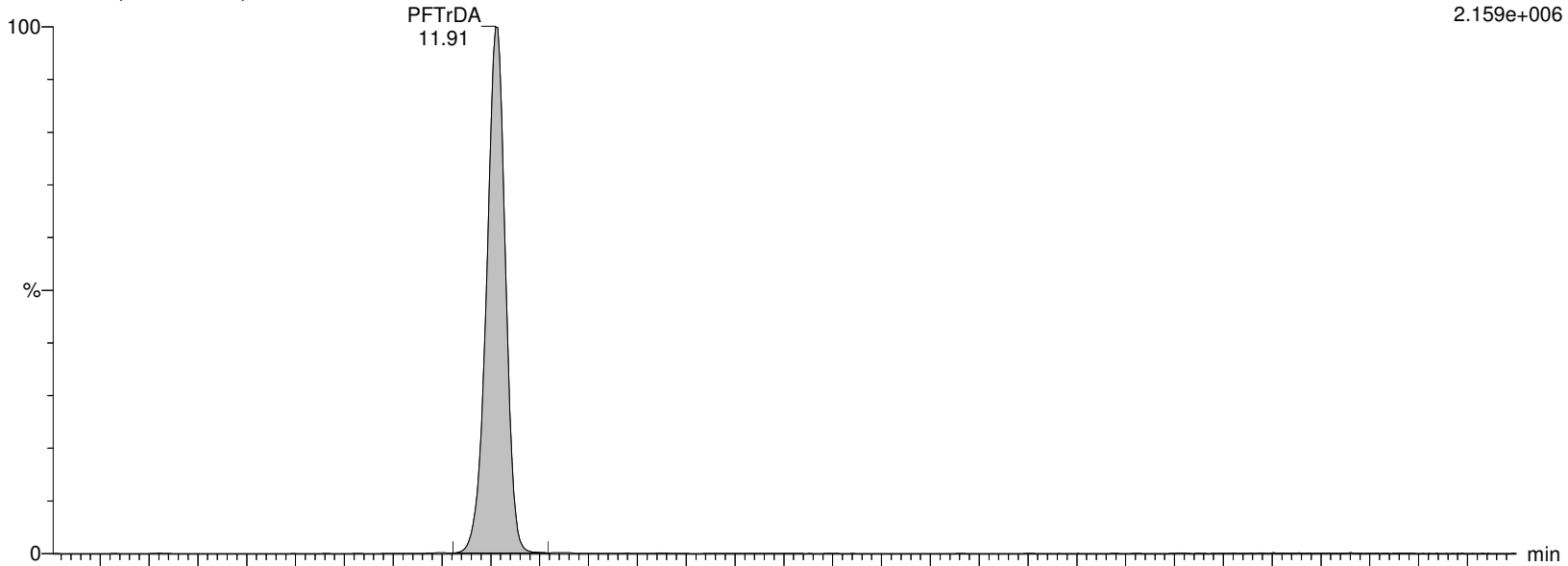
I18688 Smooth(Mn,2x2)

F59:MRM of 2 channels,ES-

WG1337913, WG1334679, ICAL16305 WG1334679-3

663.053 > 618.969

2.159e+006



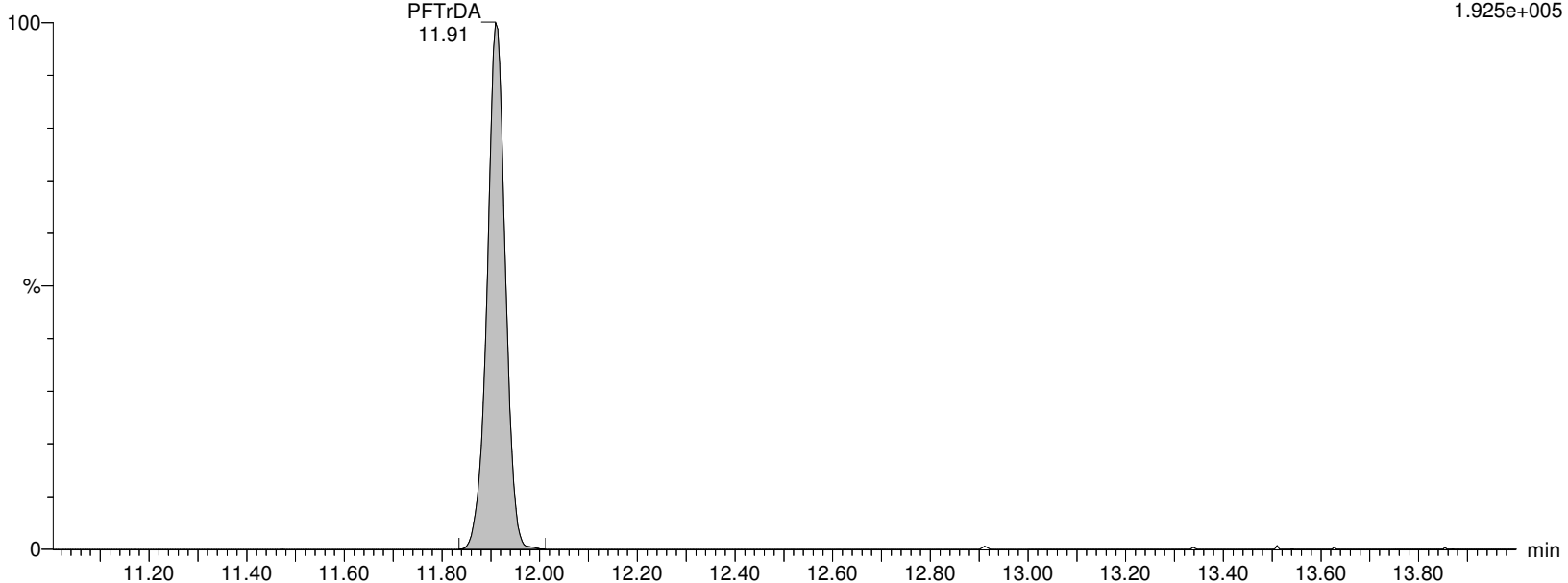
I18688 Smooth(Mn,2x2)

F59:MRM of 2 channels,ES-

WG1337913, WG1334679, ICAL16305 WG1334679-3

663.053 > 319.02

1.925e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFTA**

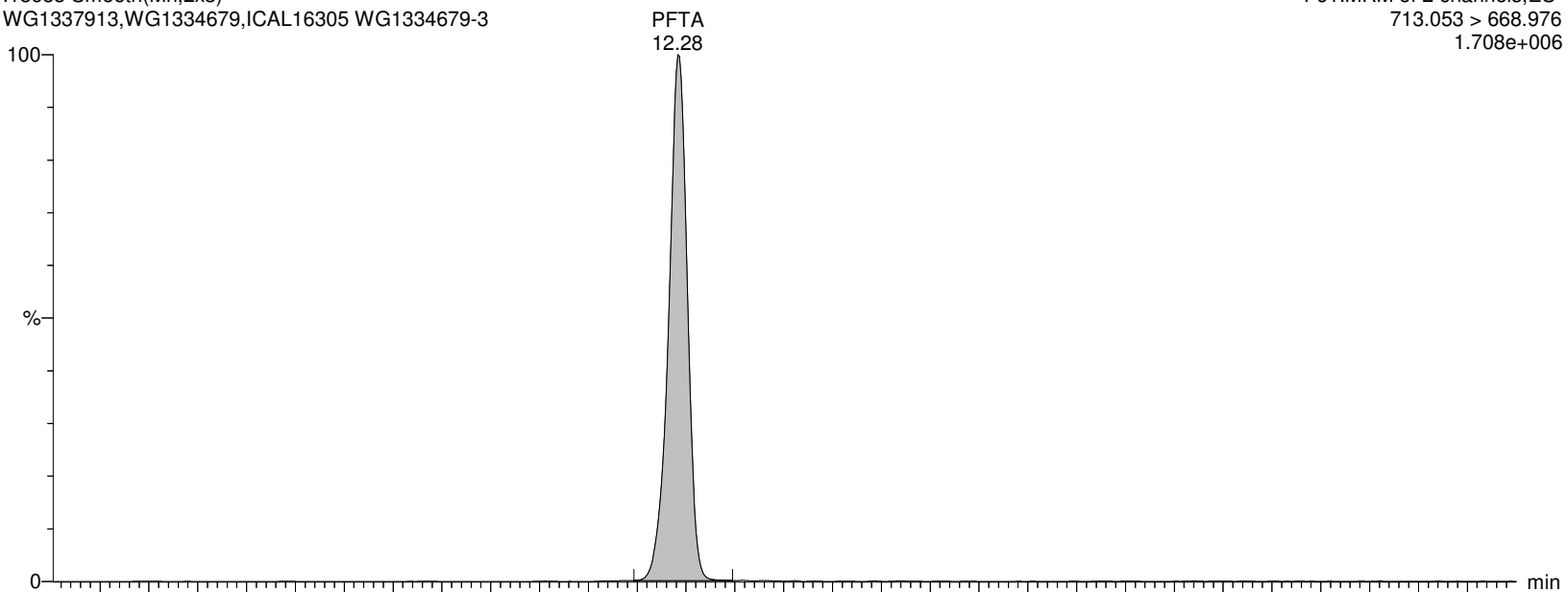
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F61:MRM of 2 channels, ES-

713.053 > 668.976

1.708e+006



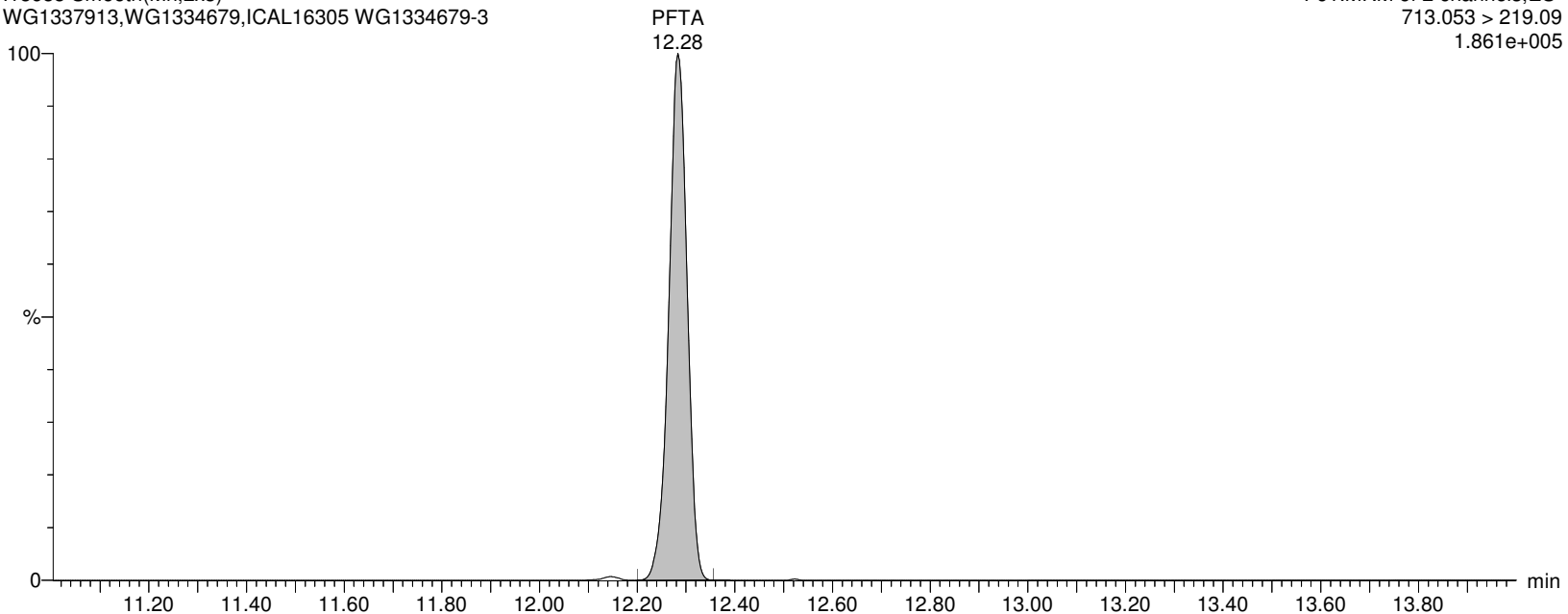
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F61:MRM of 2 channels, ES-

713.053 > 219.09

1.861e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913C.qld

Last Altered: Friday, February 07, 2020 18:41:27 Eastern Standard Time

Printed: Friday, February 07, 2020 18:42:50 Eastern Standard Time

Name: I18688**ID: WG1334679-3****Date: 07-Feb-2020****Time: 02:53:51****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:A,2****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

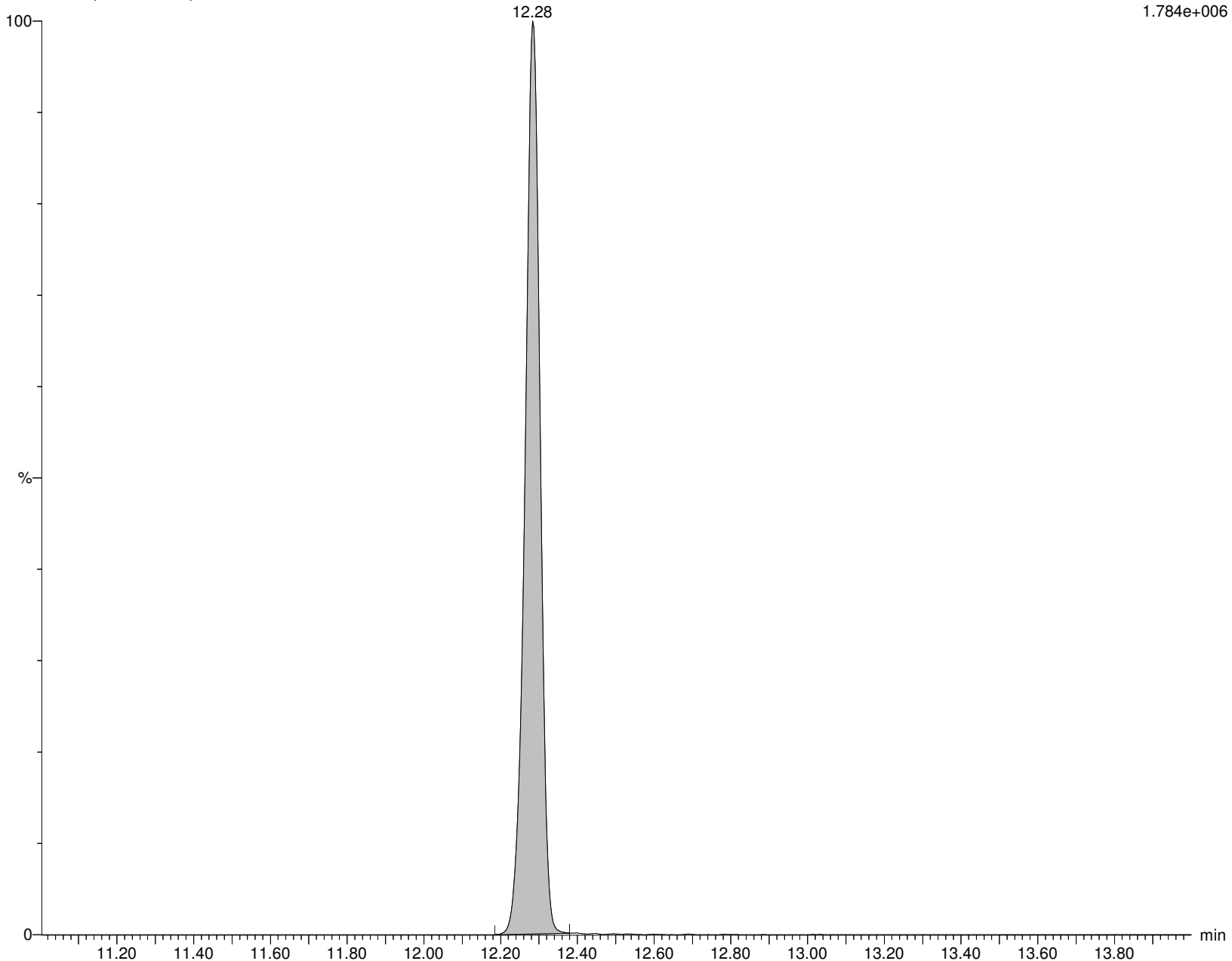
I18688 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-3

F62:MRM of 1 channel, ES-

715.053 > 669.945

1.784e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

ID: WG1334679-4

Name: I18703

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913,WG1334679,ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.15	212.926 > 169.111	1429	m5	0.431		na	
2	M3PFBA	INT STD	2.20	215.926 > 172.122	40037		8.641		na	86.4
3	MPFBA	INT STD	2.19	216.926 > 172.137	39702		9.112		na	91.1
4	PFPeA	2706-90-3	5.06	262.926 > 219.002	1359		0.216		na	
5	M5PFPEA	INT STD	5.07	267.989 > 223.081	65075		10.530		na	105.3
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.71	301.989 > 80.254	9225		9.197		na	92.0
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.86	329.117 > 309.079	9453		14.517		na	145.2
10	PFHxA	307-24-4	6.95	312.989 > 269.028	1755		0.239		YES	
11	M5PFHxA	INT STD	6.95	317.989 > 273.045	79914		8.329		na	83.3
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9	8.18	362.926 > 319.014	1249		0.122		YES	
14	M4PFHpA	INT STD	8.18	366.926 > 321.979	113226		8.859		na	88.6
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.33	401.926 > 80.317	5970		10.312		na	103.1
19	br-PFOA	335-67-1	8.86	412.989 > 368.9	463	m5	0.044		YES	
20	L-PFOA	335-67-1	9.09	412.989 > 368.9	6769		0.636	14.18	NO	
21	PFOA	335-67-1		412.989 > 368.9	7232		0.680		na	
22	M8PFOA	INT STD	9.09	420.989 > 375.979	115868		9.447		na	94.5
23	M2PFOA	INT STD	9.09	415.032 > 369.968	125343		11.857		na	118.6
24	6:2FTS	27619-97-2		426.989 > 406.921			ND		YES	
25	M2-6:2FTS	INT STD	9.05	428.989 > 408.917	11133		17.494		na	174.9
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1	9.83	462.989 > 418.931	1490		0.149	4.55	NO	
28	M9PFNA	INT STD	9.83	472.053 > 426.947	121855		10.098		na	101.0
29	br-PFOS	1763-23-1	9.63	498.989 > 80.294	811	m5	0.835	4.87	NO	
30	L-PFOS	1763-23-1	9.87	498.989 > 80.294	2393		3.280	1.46	NO	
31	PFOS	1763-23-1		498.989 > 80.294	3205		4.115		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	7165		10.260		na	102.6
33	M8PFOS	INT STD	9.87	507.053 > 80.294	7436		10.114		na	101.1
34	PFDA	335-76-2	10.45	513.053 > 468.906	667		0.069	5.42	NO	
35	M2PFDA	INT STD	10.45	515.053 > 469.934	115732		13.108		na	131.1
36	M6PFDA	INT STD	10.45	519.053 > 473.931	112432		9.400		na	94.0
37	8:2FTS	39108-34-4		526.926 > 506.818			ND		na	
38	M2-8:2FTS	INT STD	10.44	529.053 > 508.945	6186		16.568		na	165.7
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

ID: WG1334679-4

Name: I18703

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

Instrument: XEVO-TQSmicro#QEB0050

User: LCMS02:JW

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.84	573.096 > 418.987	11451		8.406		na	84.1
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.85	570.053 > 418.917	154		0.145	2.72	NO	
43	NMeFOSAA	2355-31-9		570.053 > 418.917	154		0.145		na	
44	PFUnA	2058-94-8	11.00	562.989 > 518.903	284		0.026	8.75	NO	
45	M7-PFUDA	INT STD	11.00	570.053 > 524.923	113126		10.661		na	106.6
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6	10.89	497.989 > 78.245	194		0.221		YES	
48	M8FOSA	INT STD	10.89	506.053 > 78.286	8277		2.927		na	29.3
49	d5-NEtFOSAA	INT STD	11.14	589.117 > 418.929	10068		8.367		na	83.7
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.16	583.989 > 418.927	132 m5		0.139	2.64	NO	
52	NEtFOSAA	2991-50-6		583.989 > 418.927	132		0.139		na	
53	PFDoA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.49	614.989 > 569.92	100912		8.477		na	84.8
55	PFTTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.29	715.053 > 669.945	66409		7.023		na	70.2

Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Method: C:\MassLynx\Data\2020\200206_537ISO.PRO\MethDB\537ISO_Q_191118_DOD.mdb 30 Dec 2019 09:11:22

Calibration: C:\MassLynx\Data\2020\200206_537ISO.PRO\CurveDB\191118_ISO_ICAL.cdb 18 Nov 2019 13:41:42

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBA

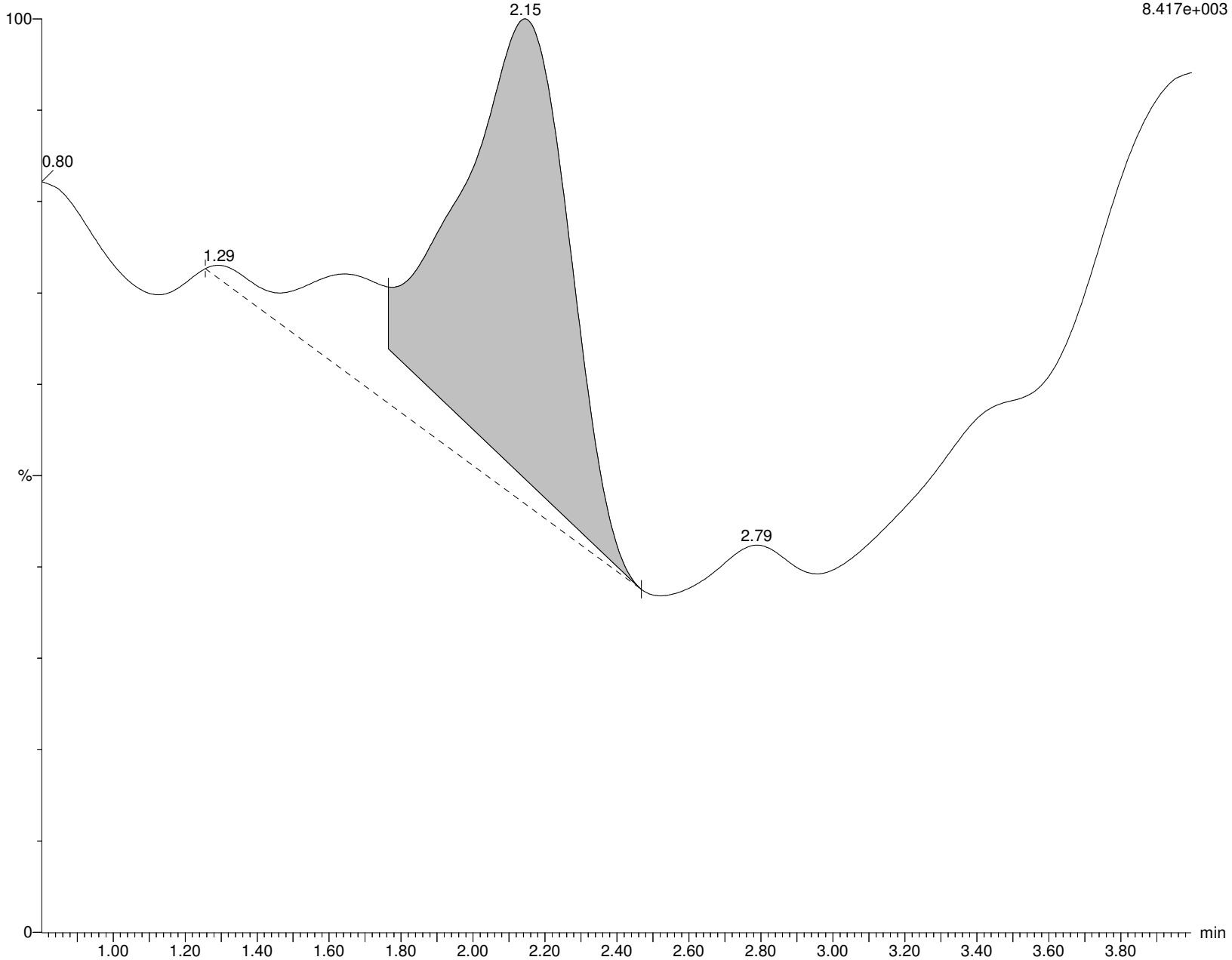
I18703 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F1:MRM of 1 channel,ES-

212.926 > 169.111

8.417e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

M3PFBA

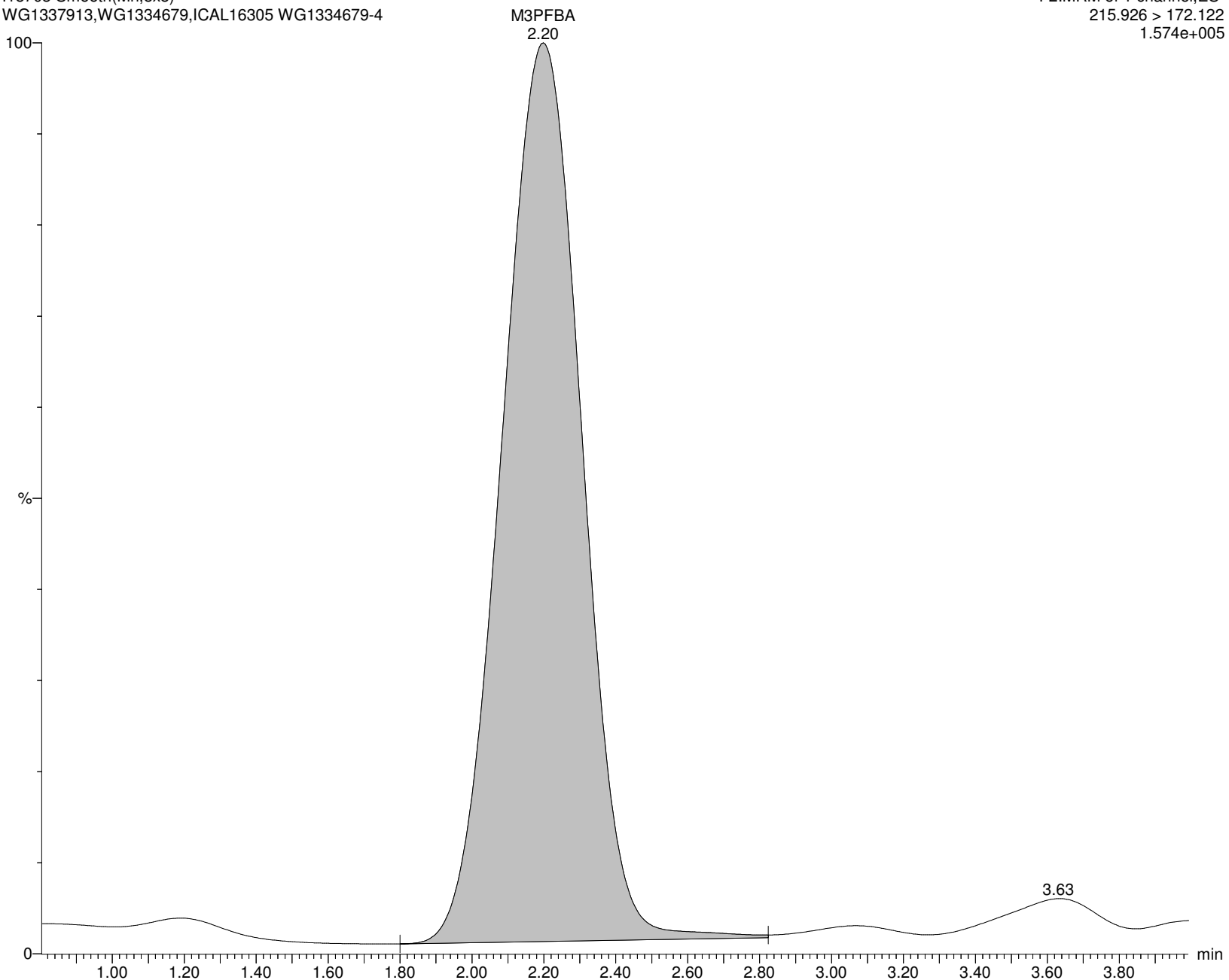
I18703 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F2:MRM of 1 channel, ES-

215.926 > 172.122

1.574e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFBA**

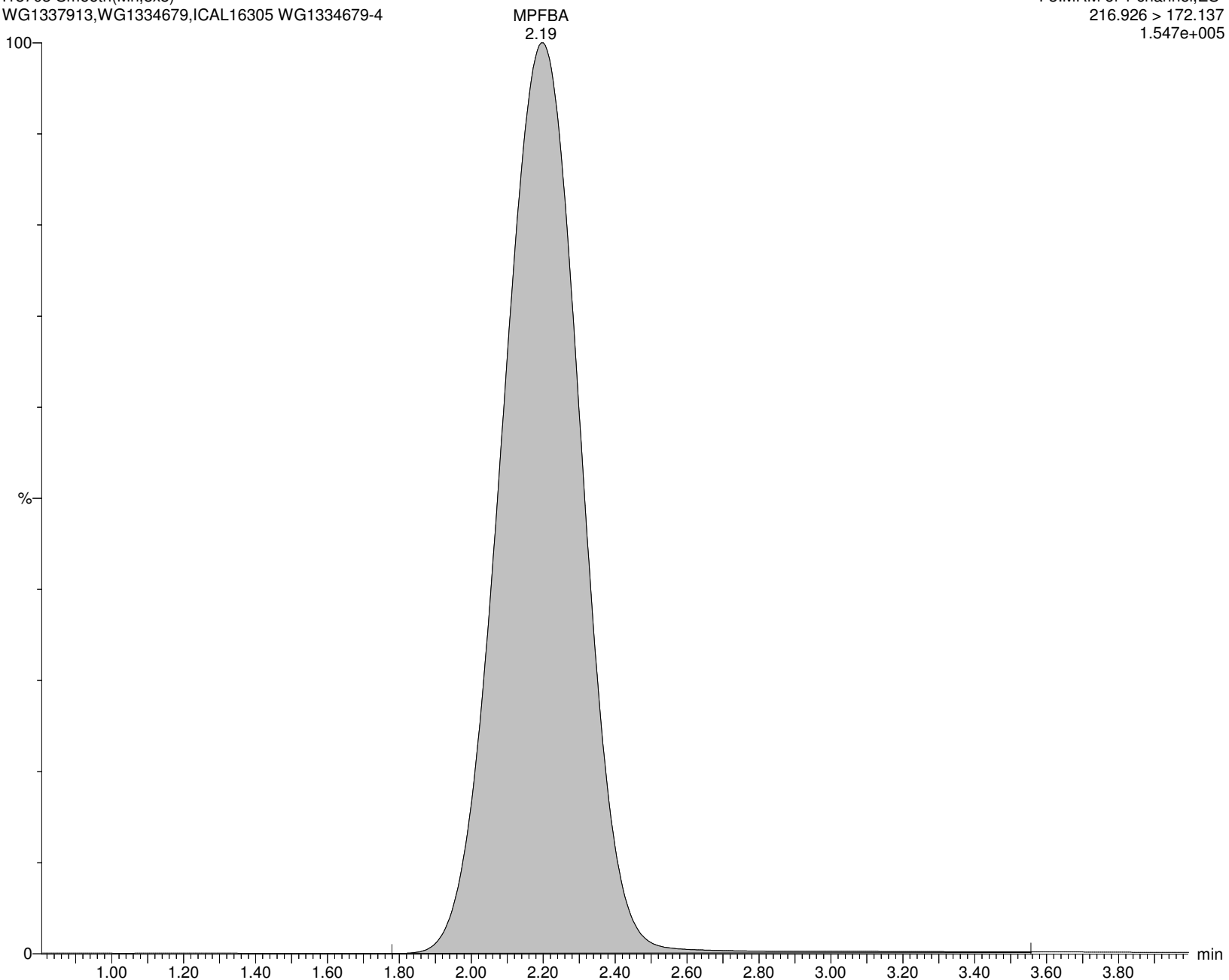
I18703 Smooth(Mn,8x8)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F3:MRM of 1 channel, ES-

216.926 > 172.137

1.547e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeA

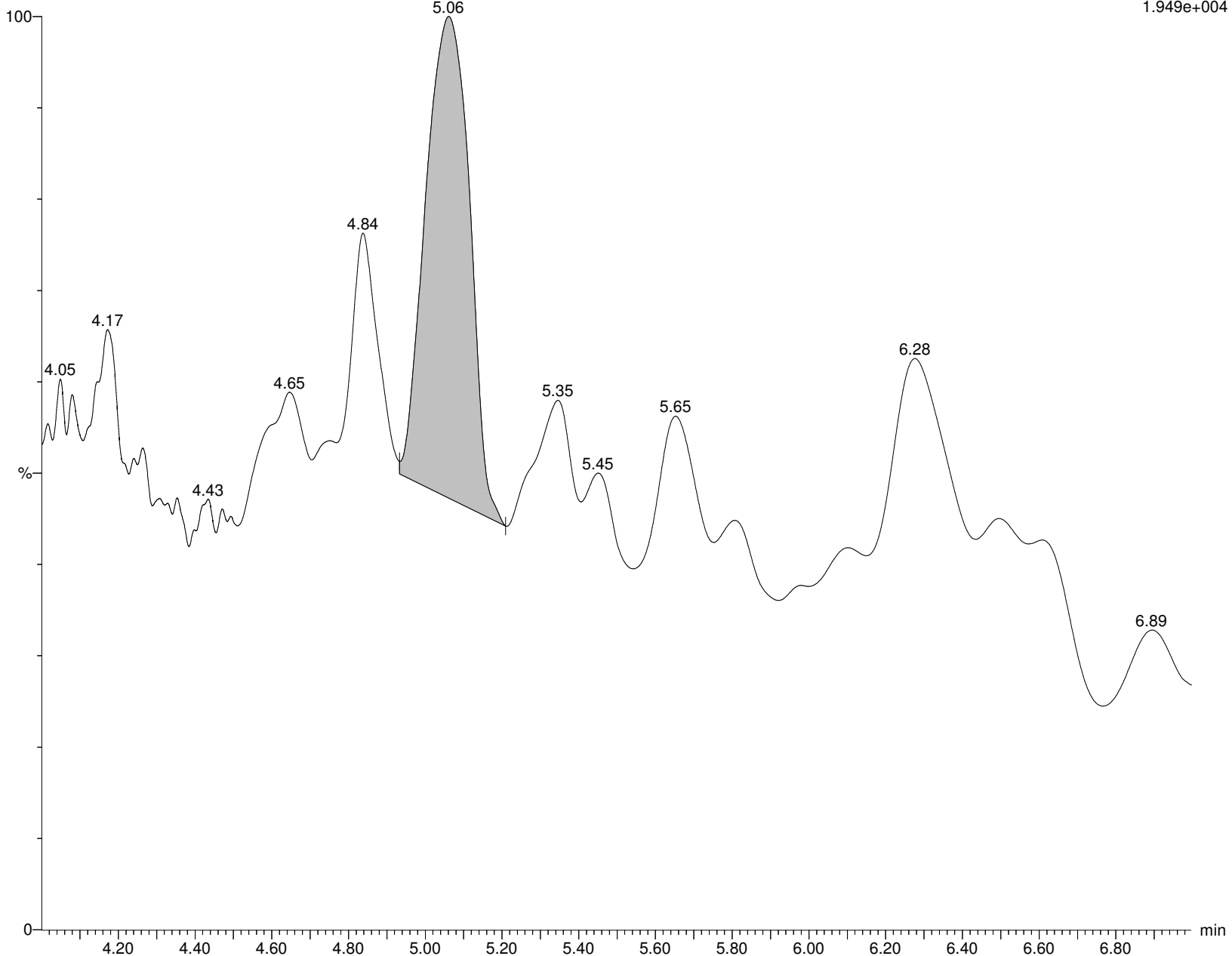
I18703 Smooth(Mn,7x7)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F4:MRM of 1 channel, ES-

262.926 > 219.002

1.949e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFPEA**

I18703 Smooth(Mn,10x10)

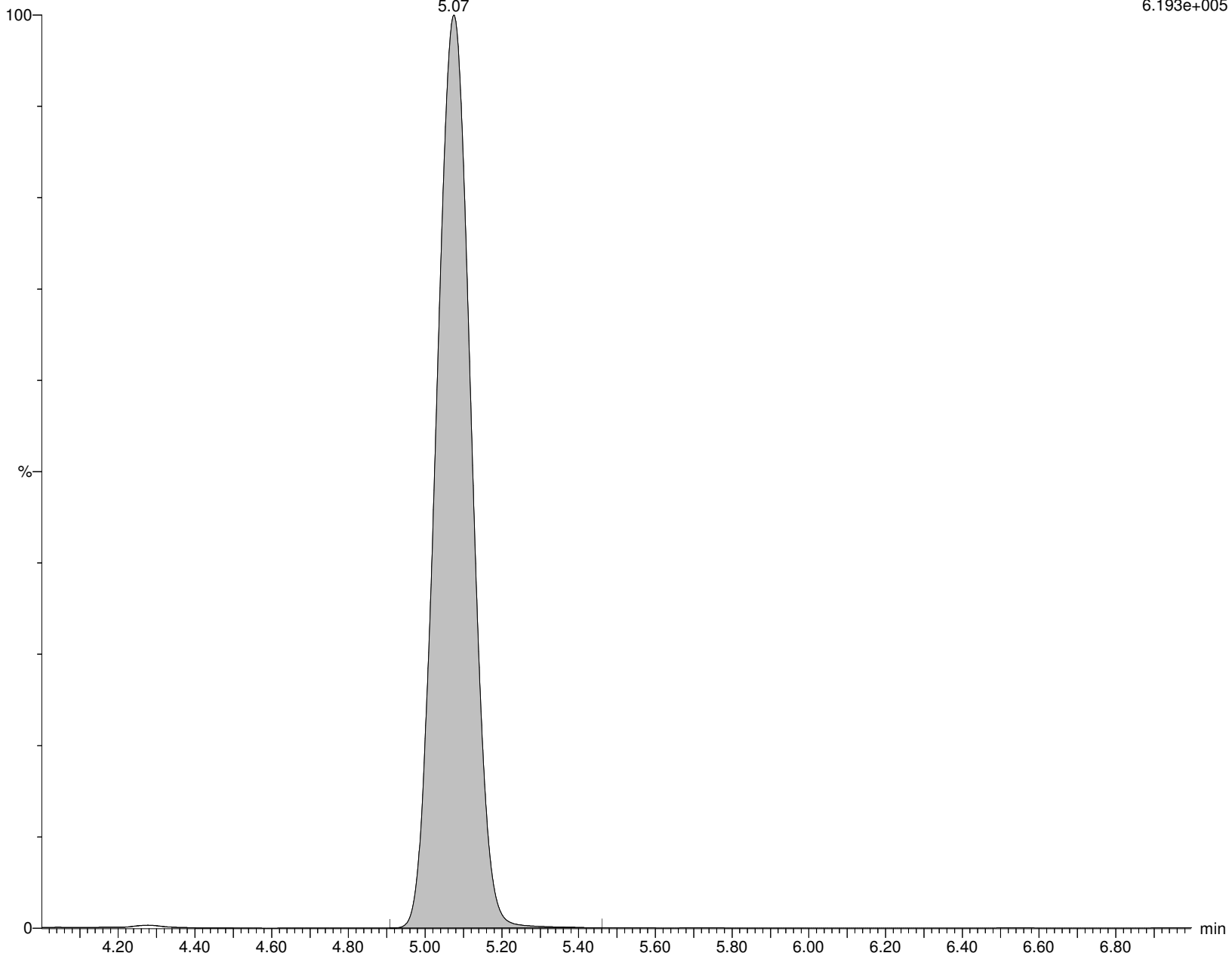
WG1337913,WG1334679,ICAL16305 WG1334679-4

M5PFPEA
5.07

F5:MRM of 1 channel,ES-

267.989 > 223.081

6.193e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFBS

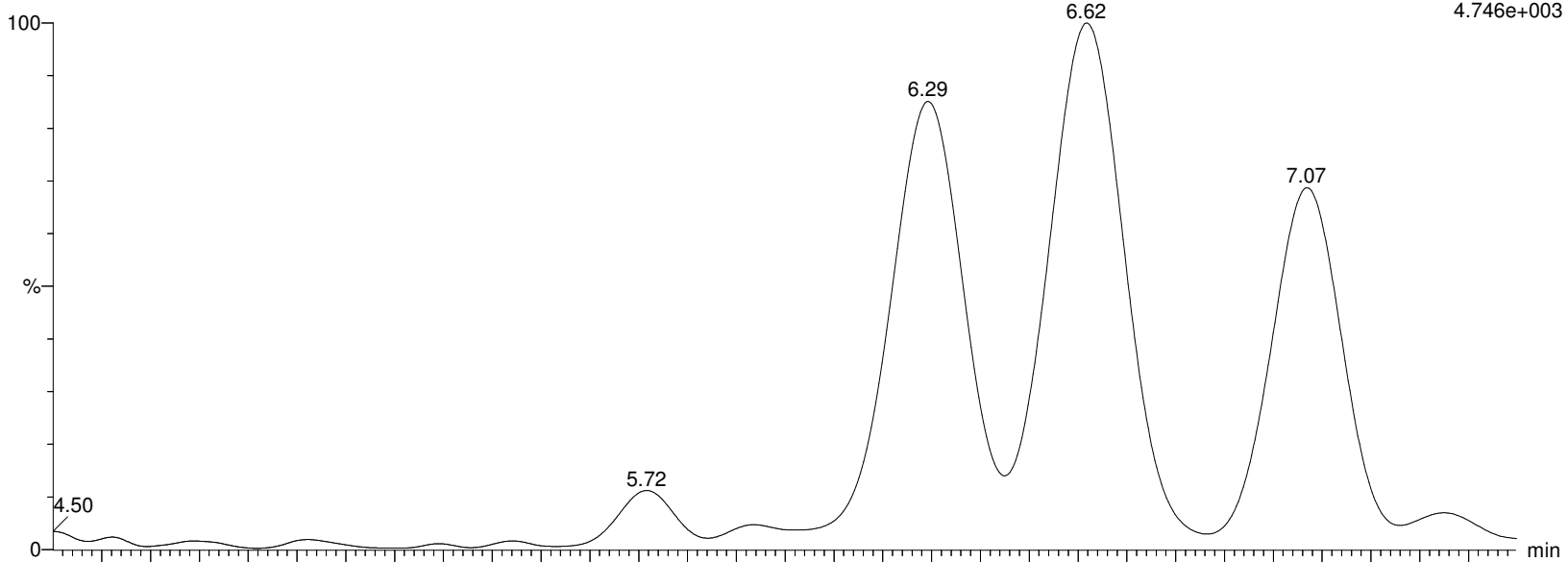
I18703 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F7:MRM of 2 channels, ES-

298.926 > 79.923

4.746e+003



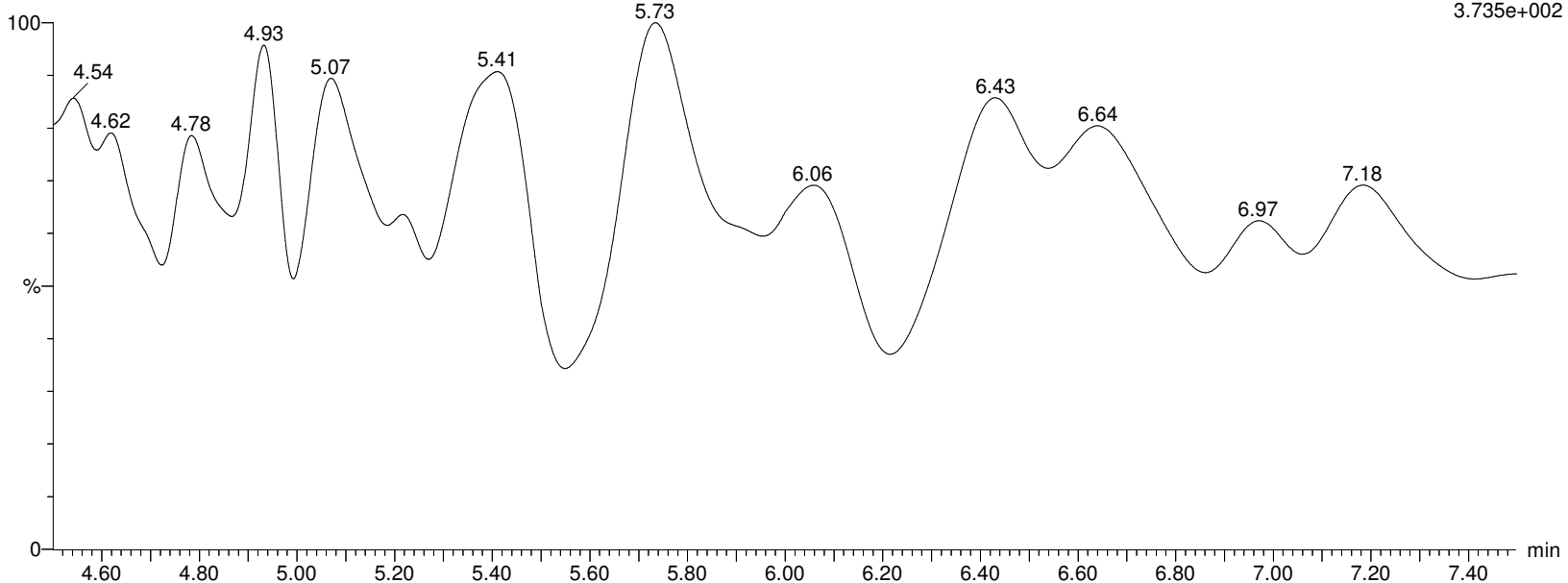
I18703 Smooth(Mn,10x10)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F7:MRM of 2 channels, ES-

298.926 > 98.862

3.735e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFBS**

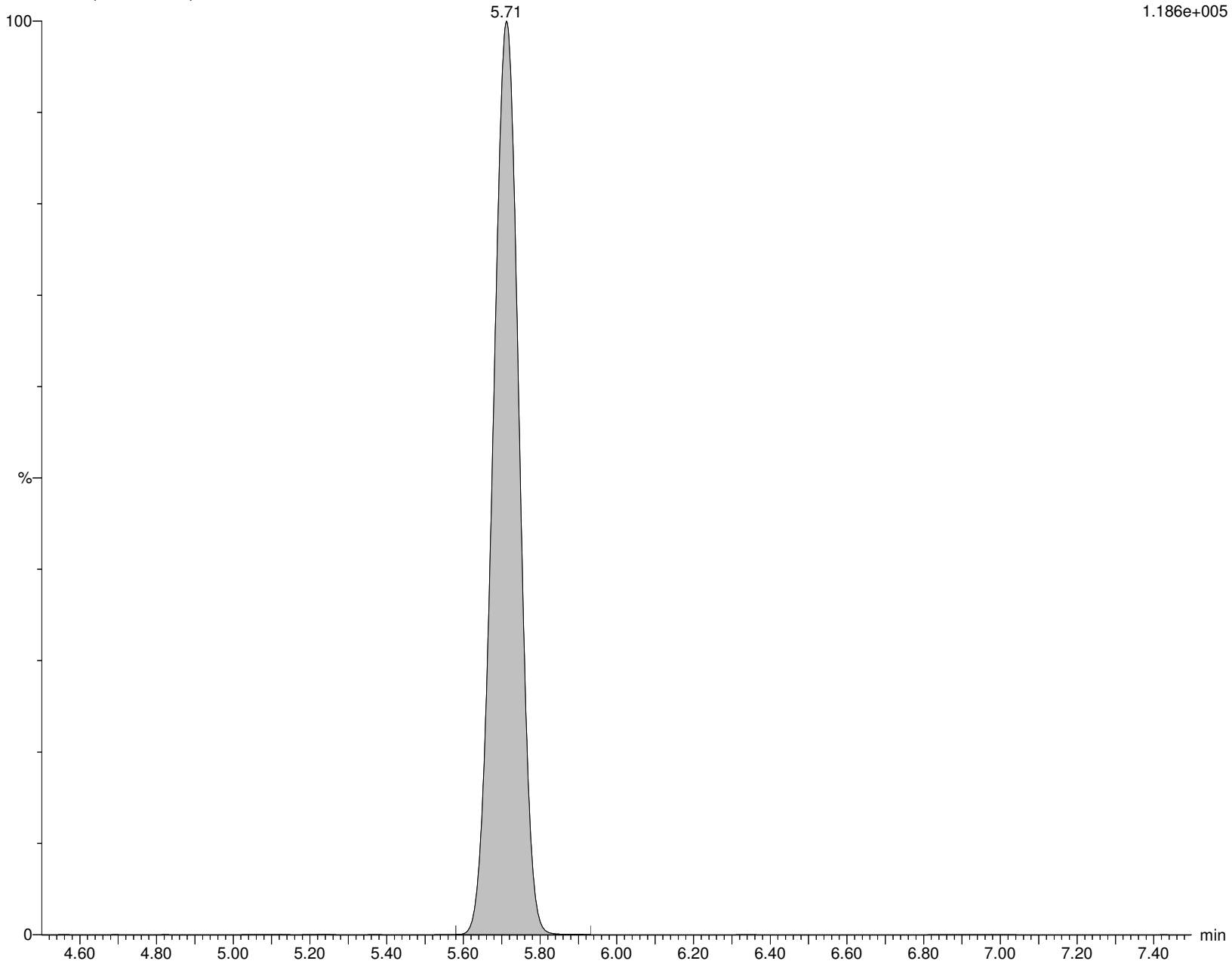
I18703 Smooth(Mn,6x6)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F8:MRM of 1 channel, ES-

301.989 > 80.254

1.186e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

4:2FTS

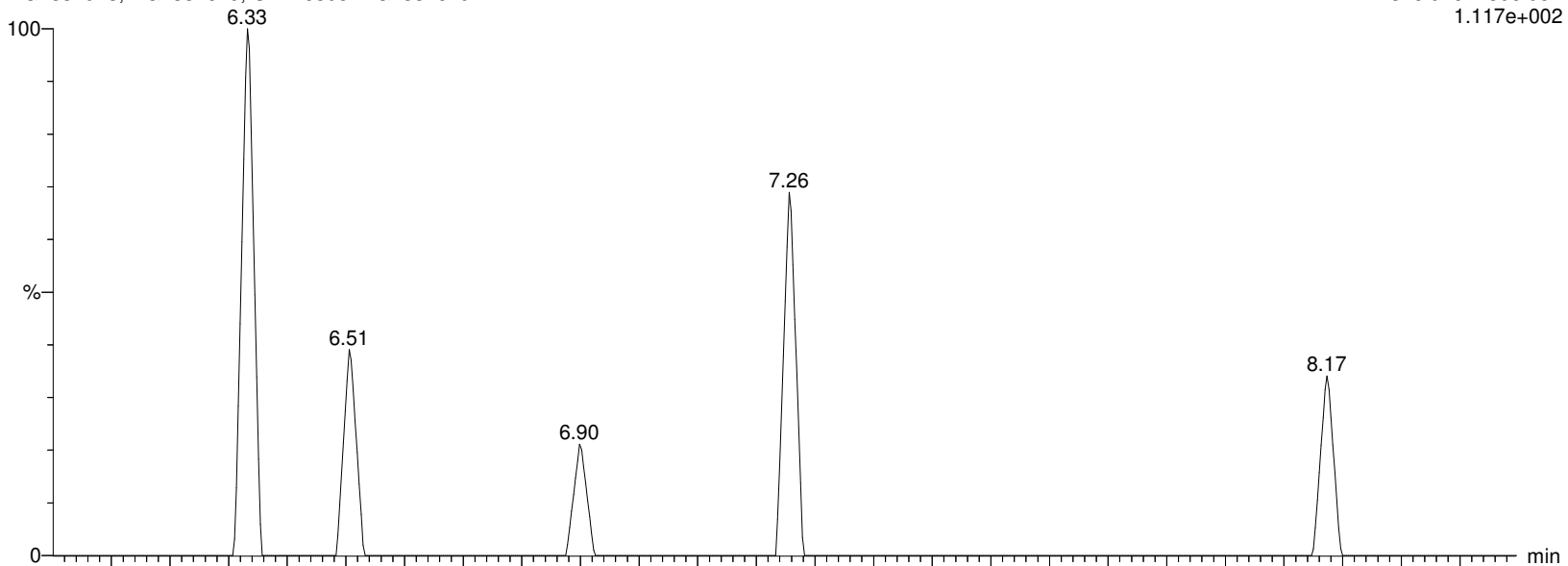
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F11:MRM of 2 channels, ES-

326.926 > 306.957

1.117e+002



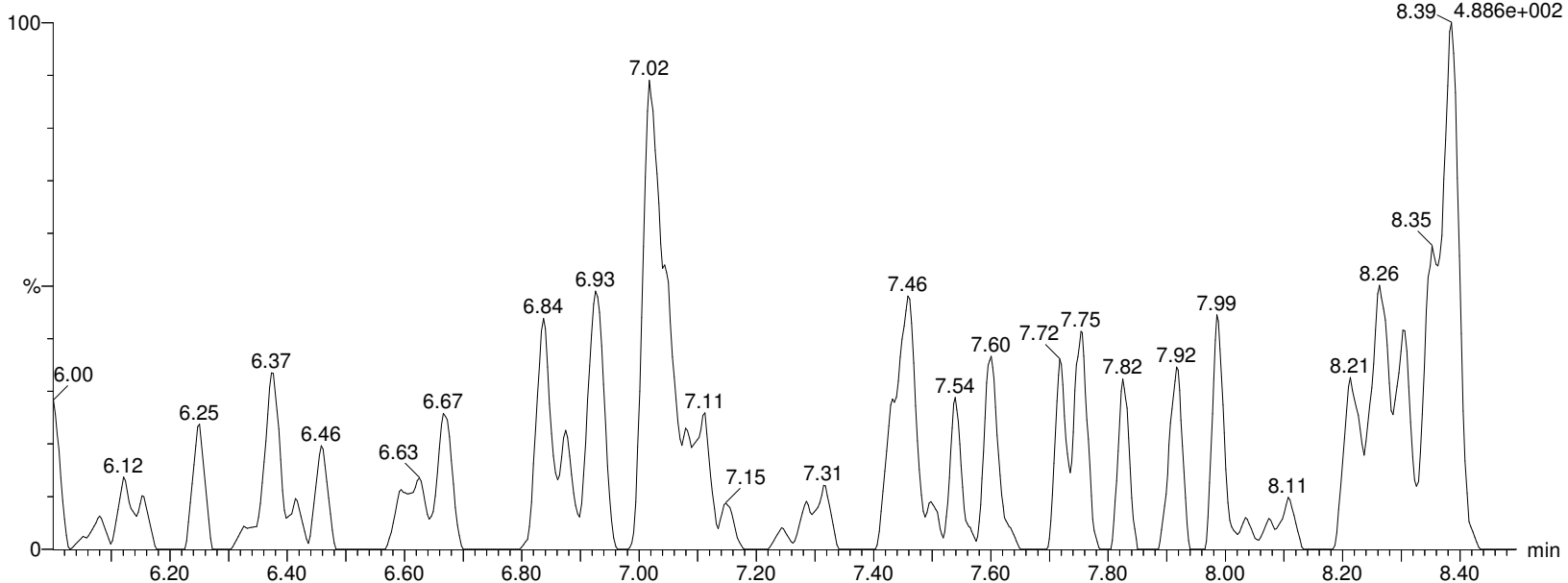
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F11:MRM of 2 channels, ES-

326.926 > 81.02

8.39 4.886e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-4:2FTS**

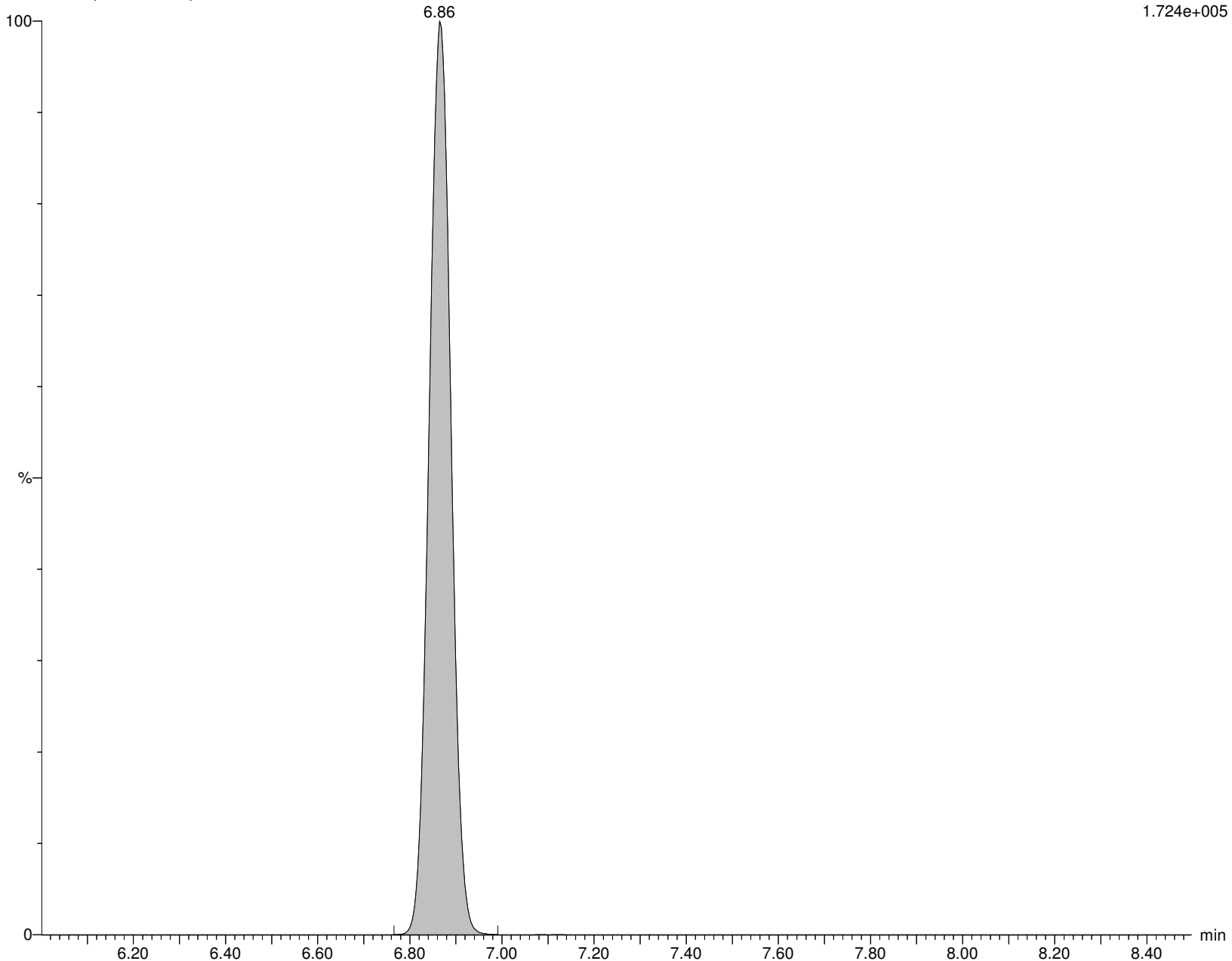
I18703 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-4 M2-4:2FTS

F12:MRM of 2 channels,ES-

329.117 > 309.079

1.724e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxA

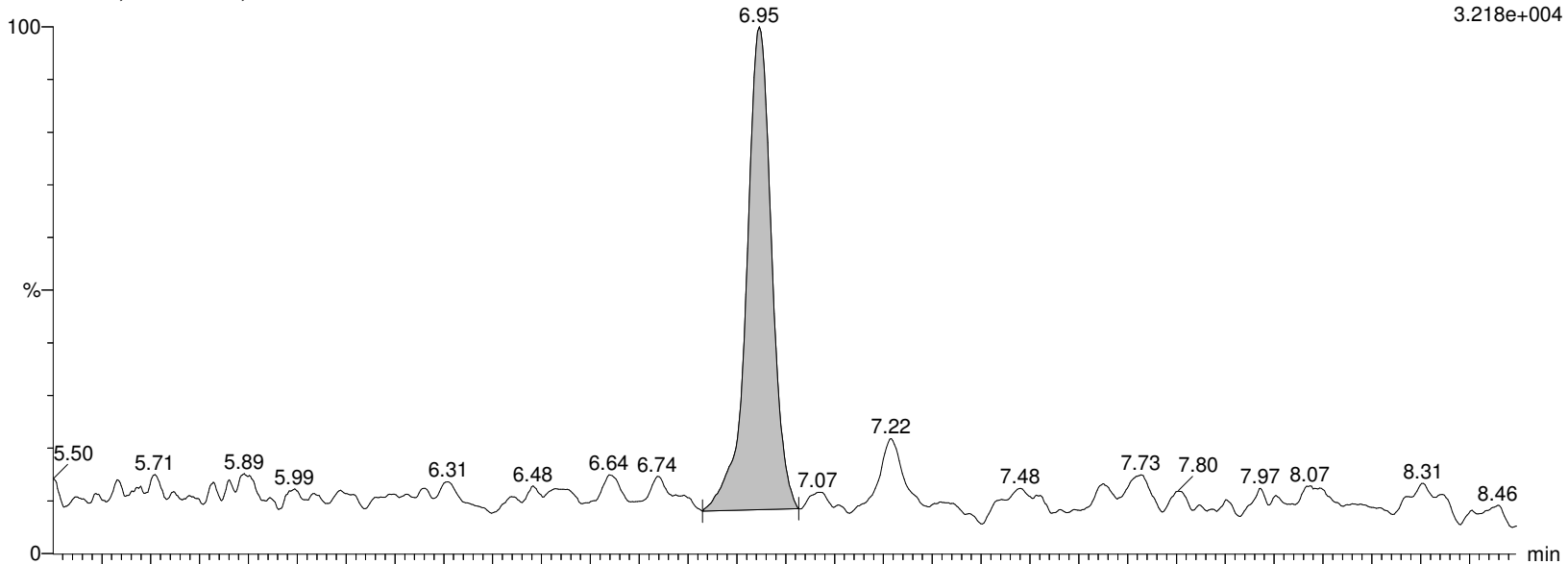
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F9:MRM of 2 channels, ES-

312.989 > 269.028

3.218e+004



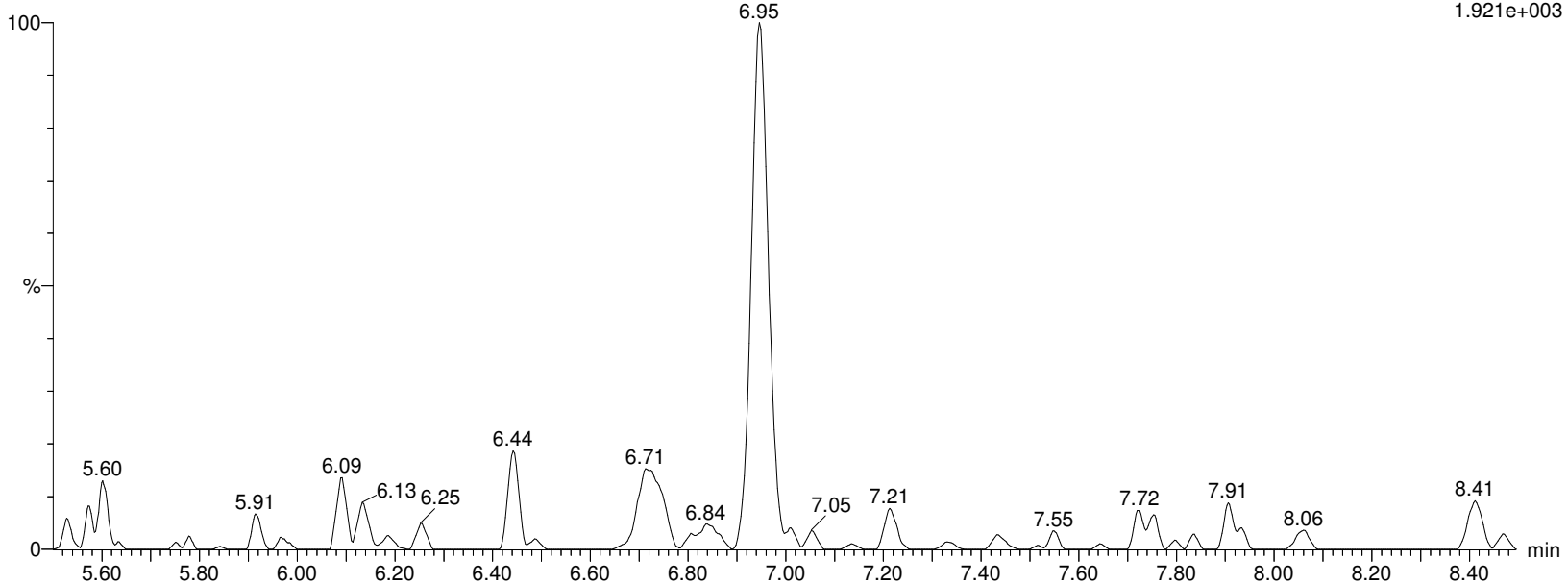
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F9:MRM of 2 channels, ES-

312.989 > 119.18

1.921e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M5PFHxA**

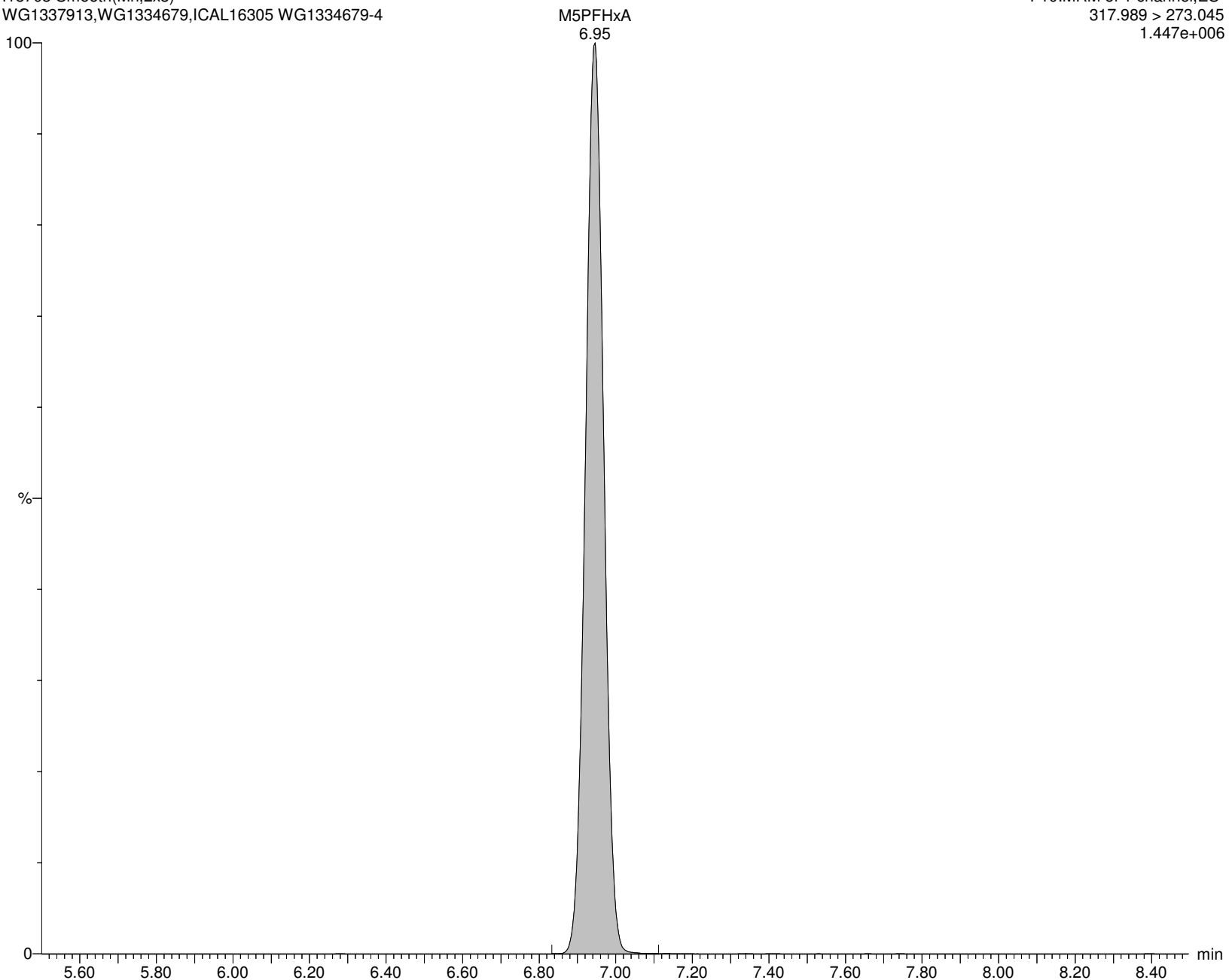
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F10:MRM of 1 channel, ES-

317.989 > 273.045

1.447e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFPeS

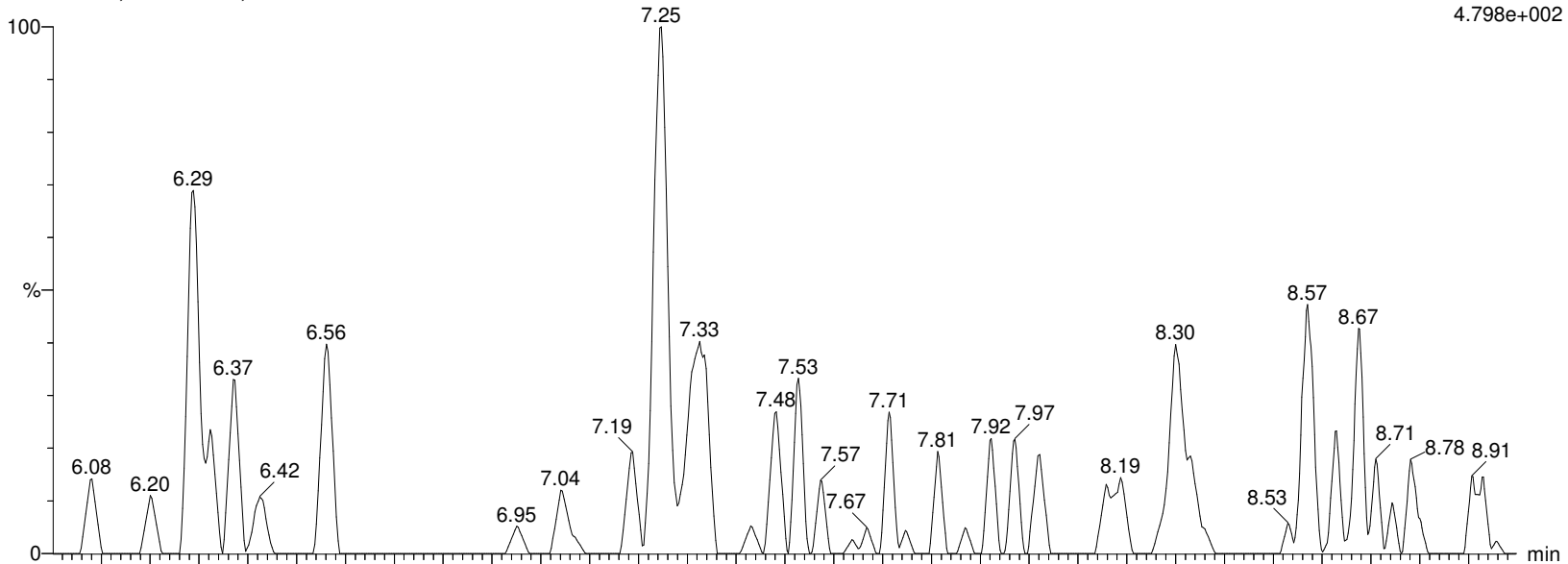
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F14:MRM of 2 channels,ES-

348.926 > 80.251

4.798e+002



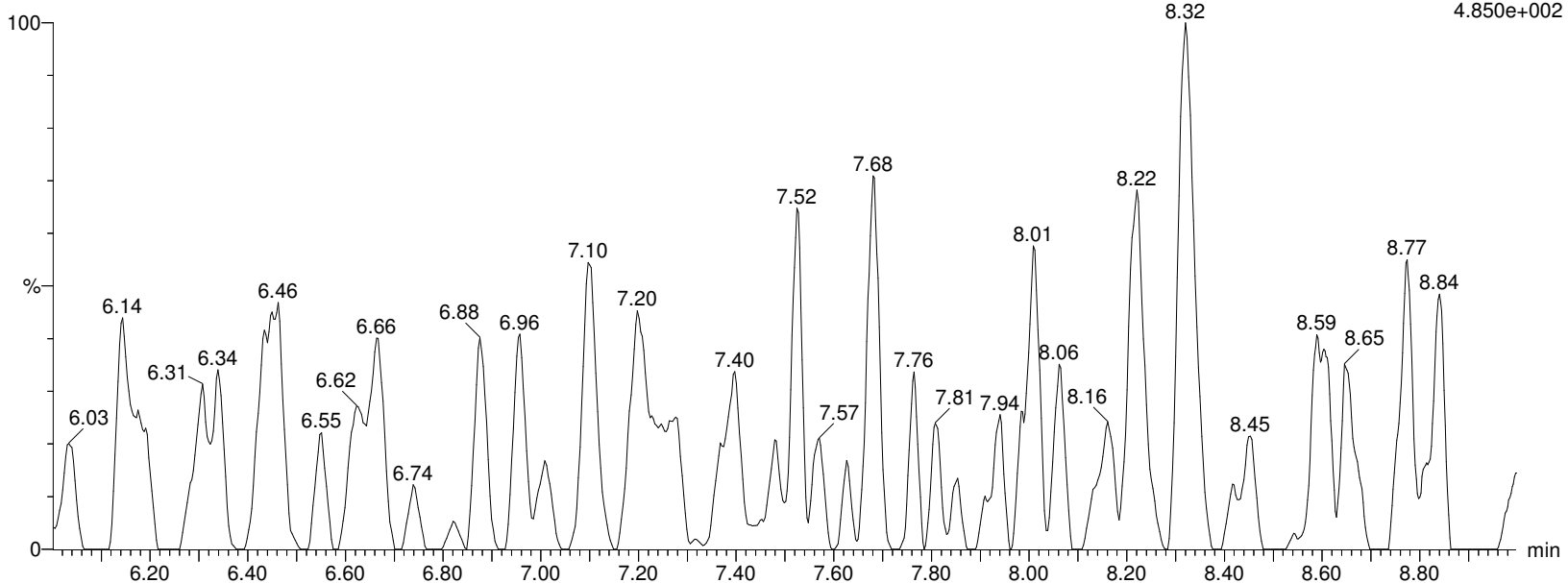
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F14:MRM of 2 channels,ES-

348.926 > 99.16

4.850e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpA

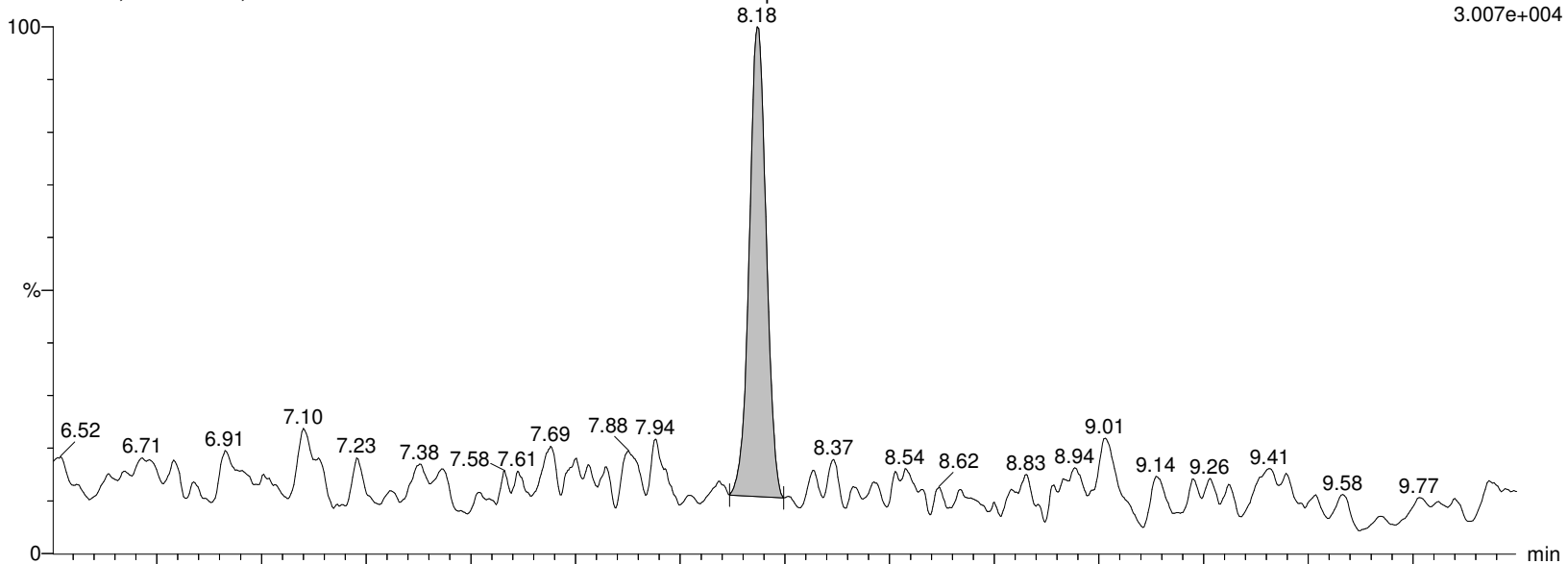
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F15:MRM of 2 channels, ES-

362.926 > 319.014

3.007e+004



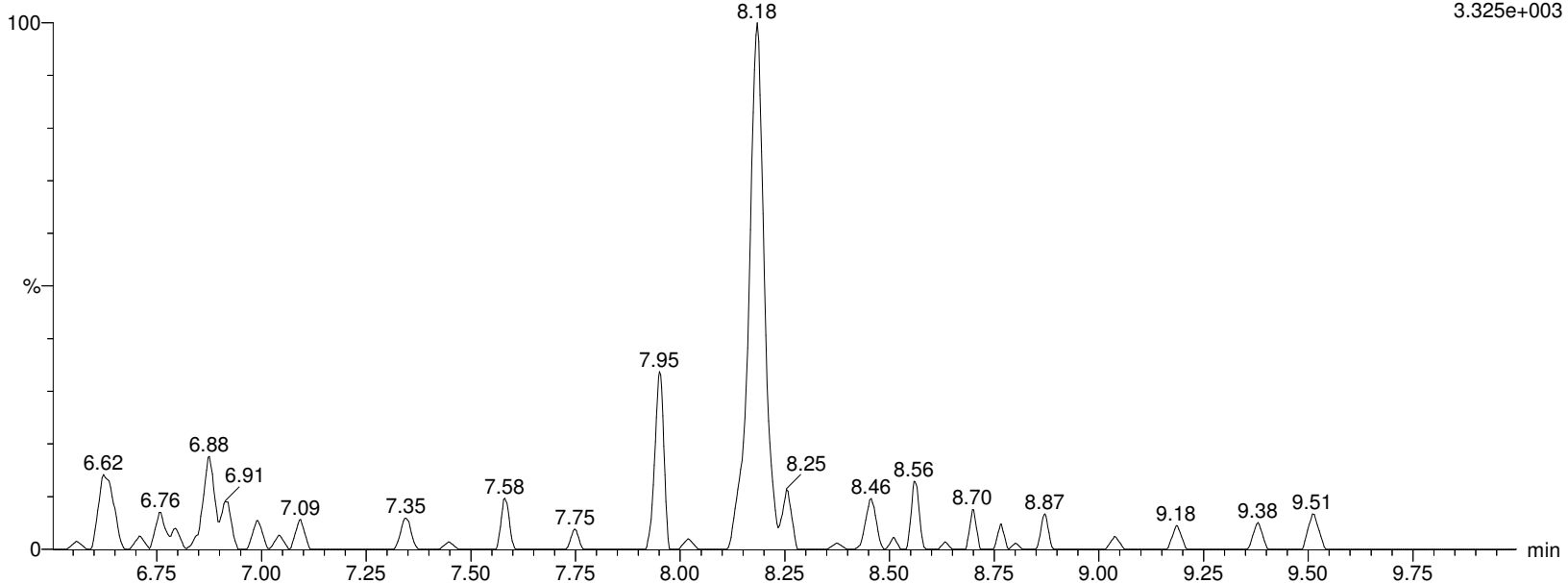
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F15:MRM of 2 channels, ES-

362.926 > 169.12

3.325e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFHpA**

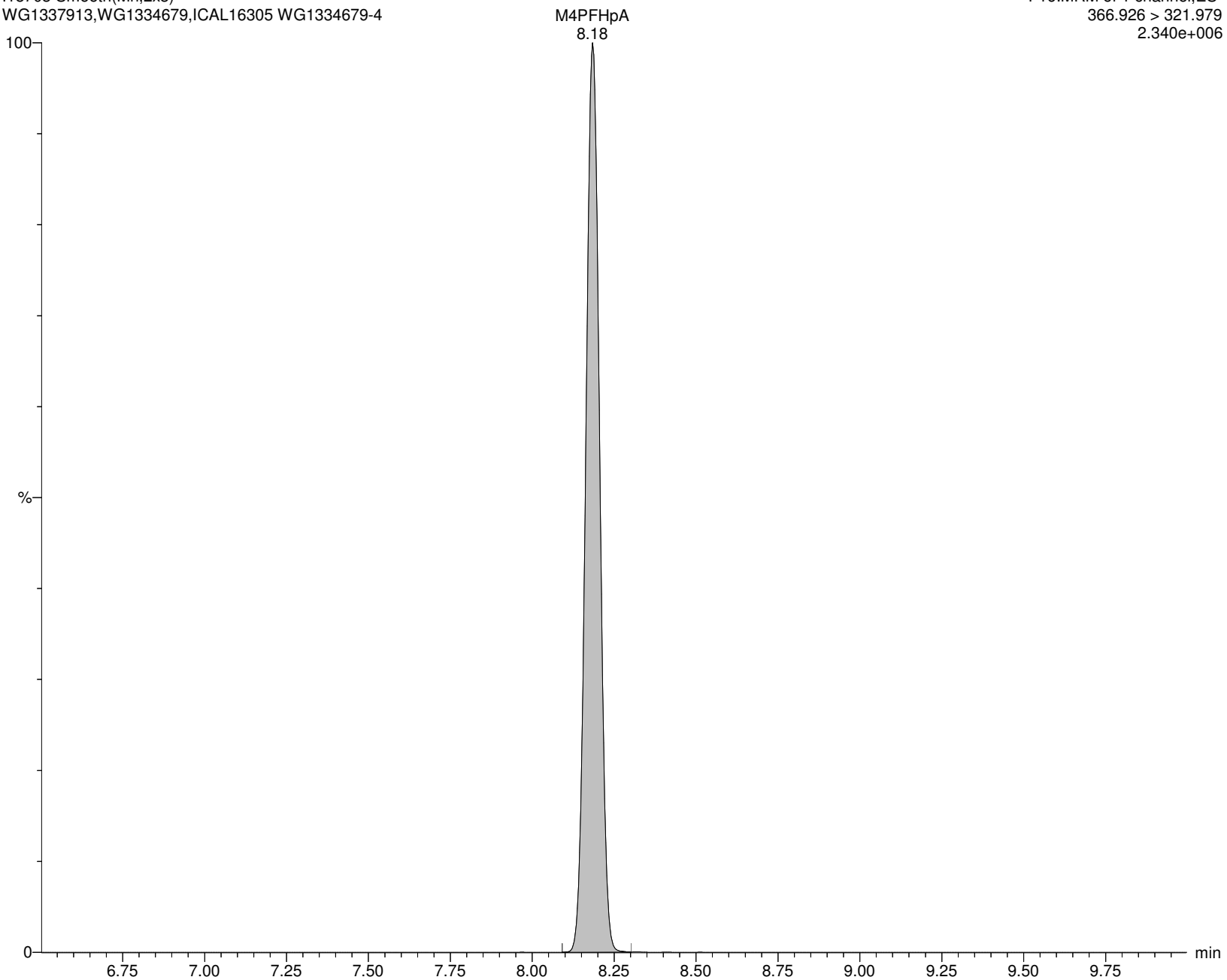
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F16:MRM of 1 channel, ES-

366.926 > 321.979

2.340e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFHxS

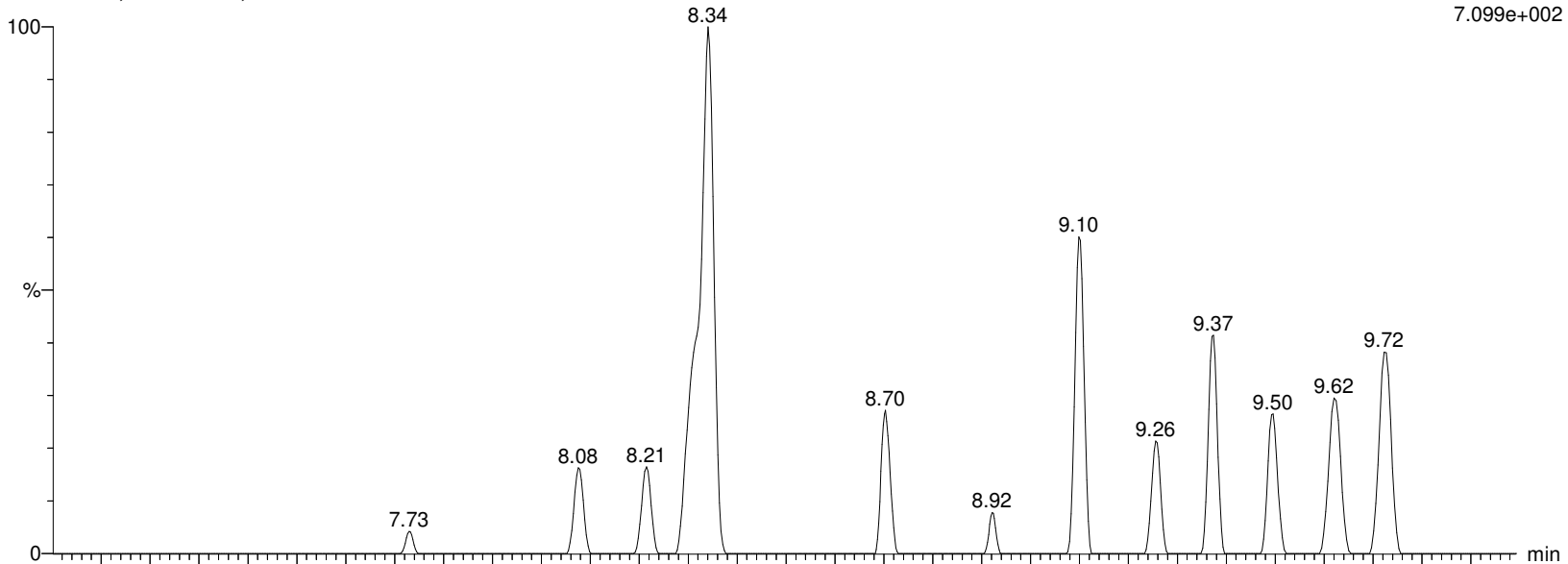
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 80.295

7.099e+002



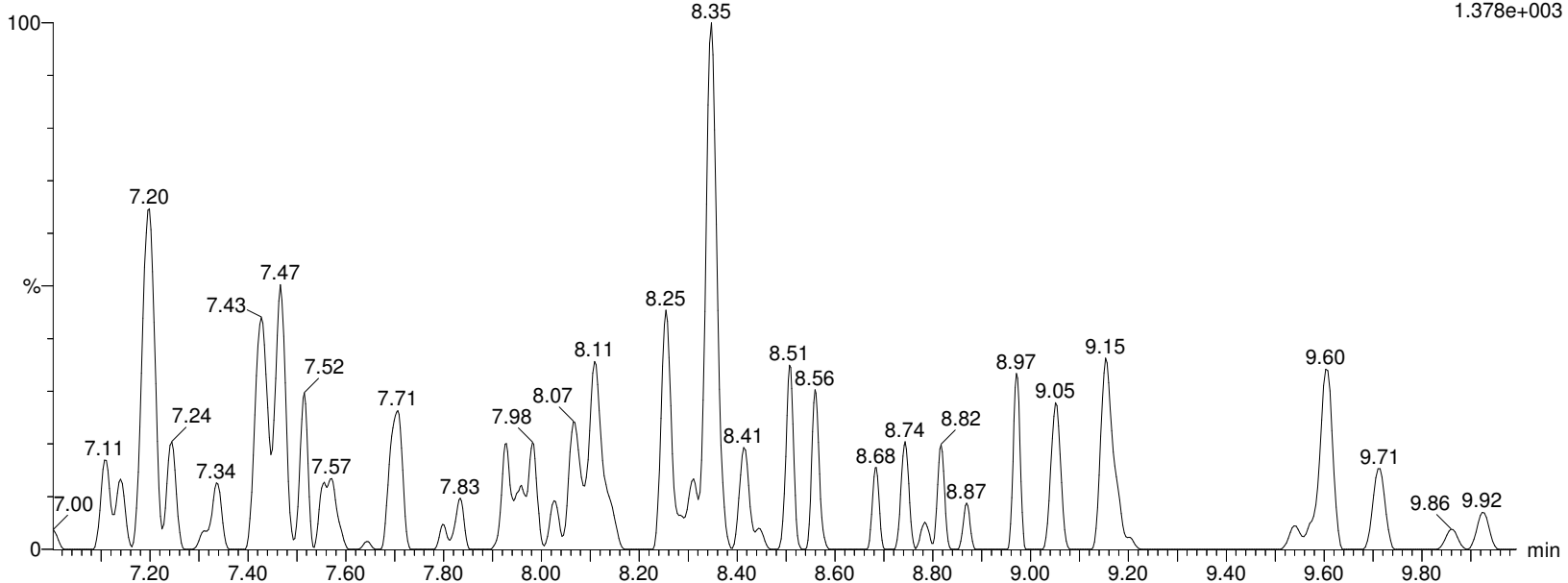
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.378e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFHxS

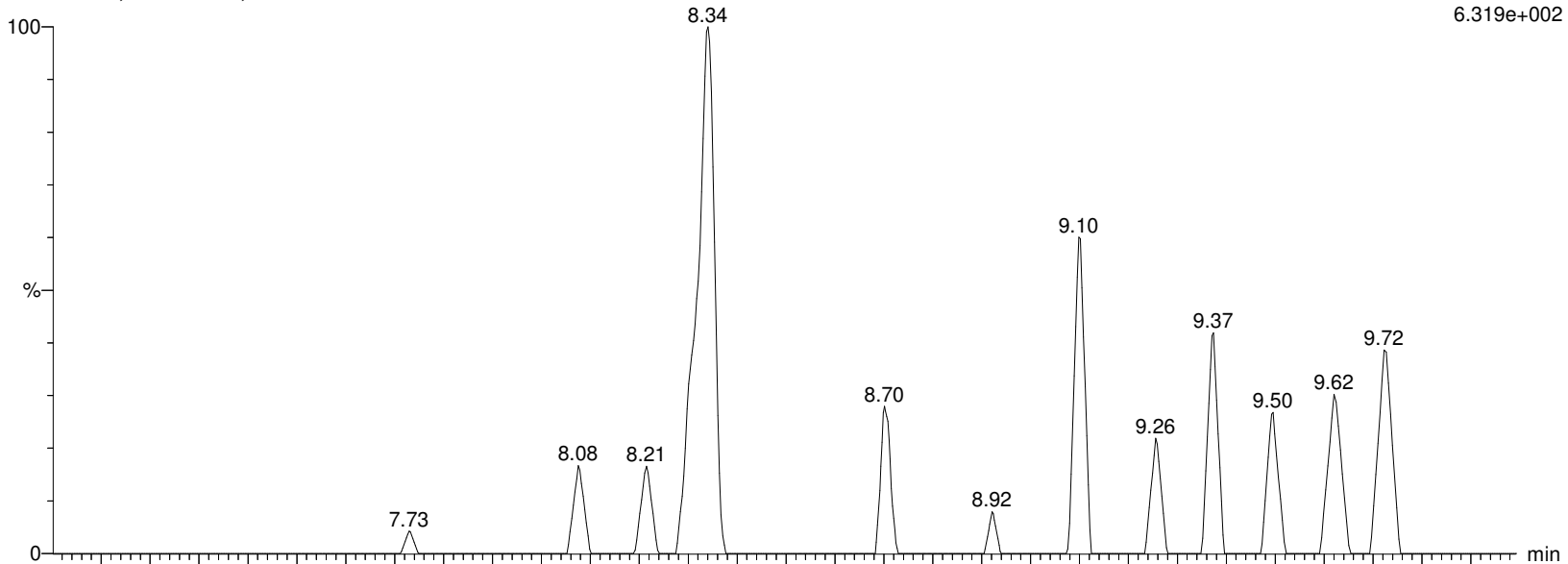
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 80.295

6.319e+002



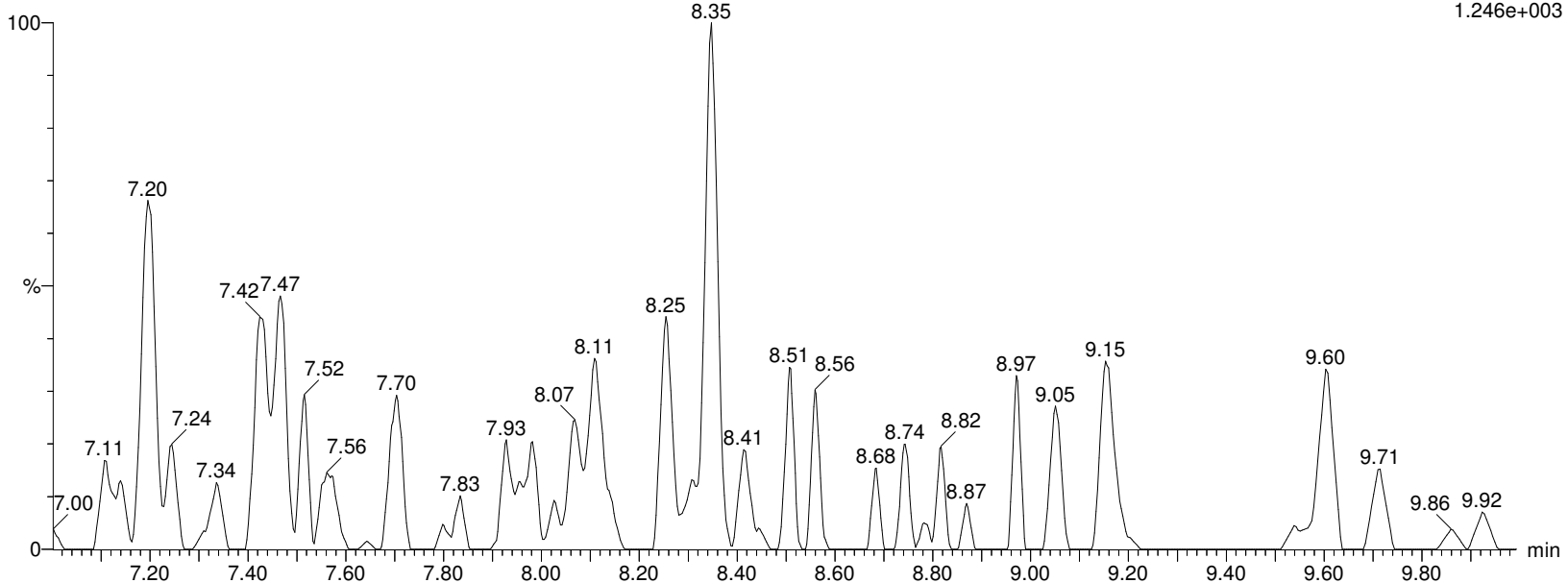
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.246e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHxS

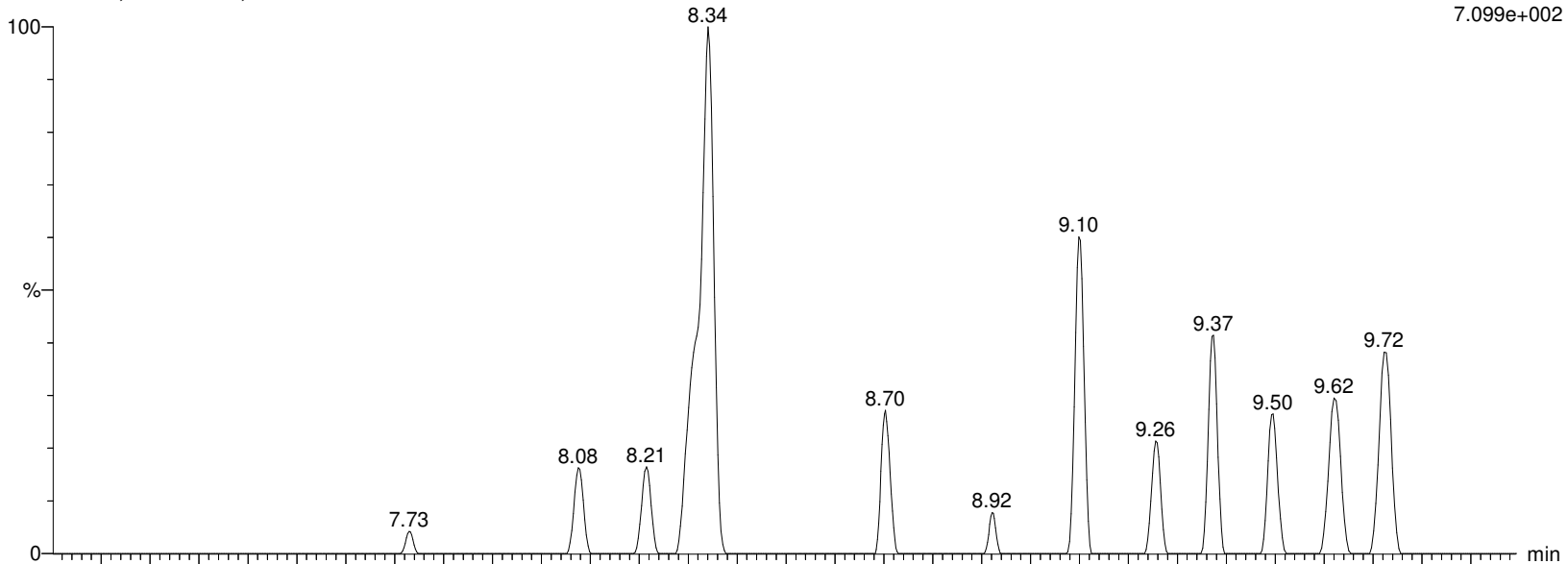
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 80.295

7.099e+002



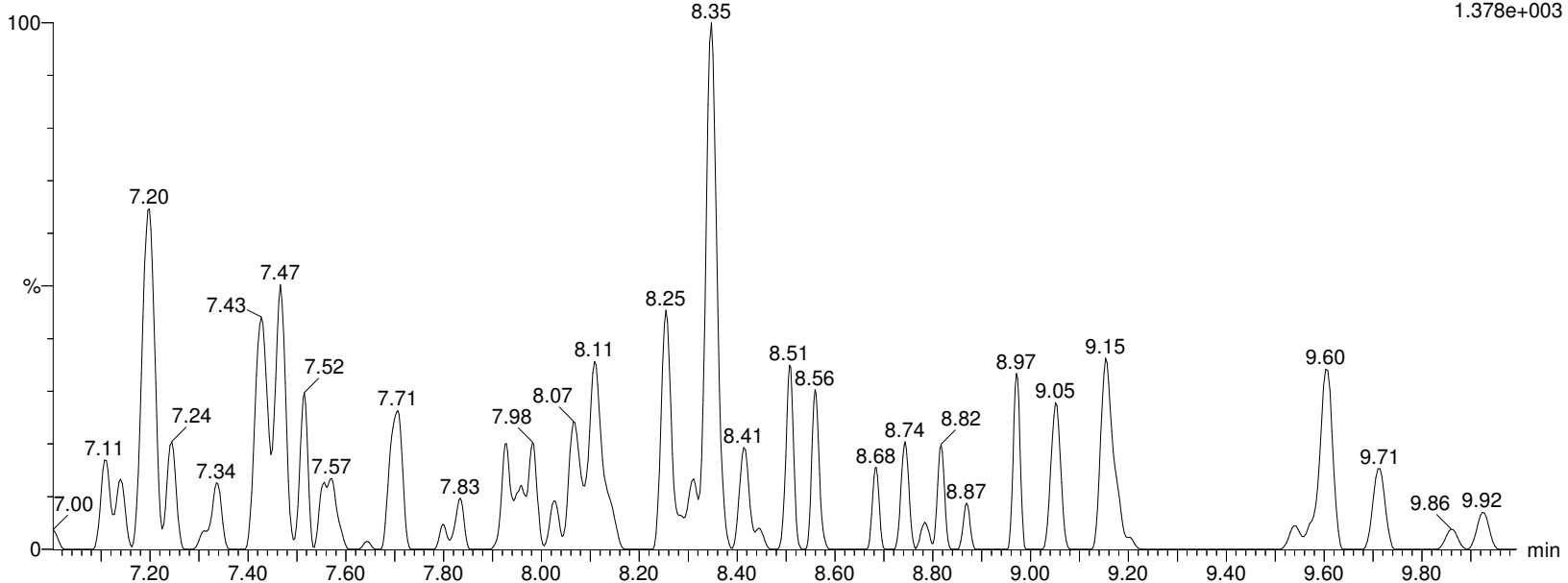
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F18:MRM of 2 channels, ES-

398.926 > 99.2

1.378e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M3PFHxS**

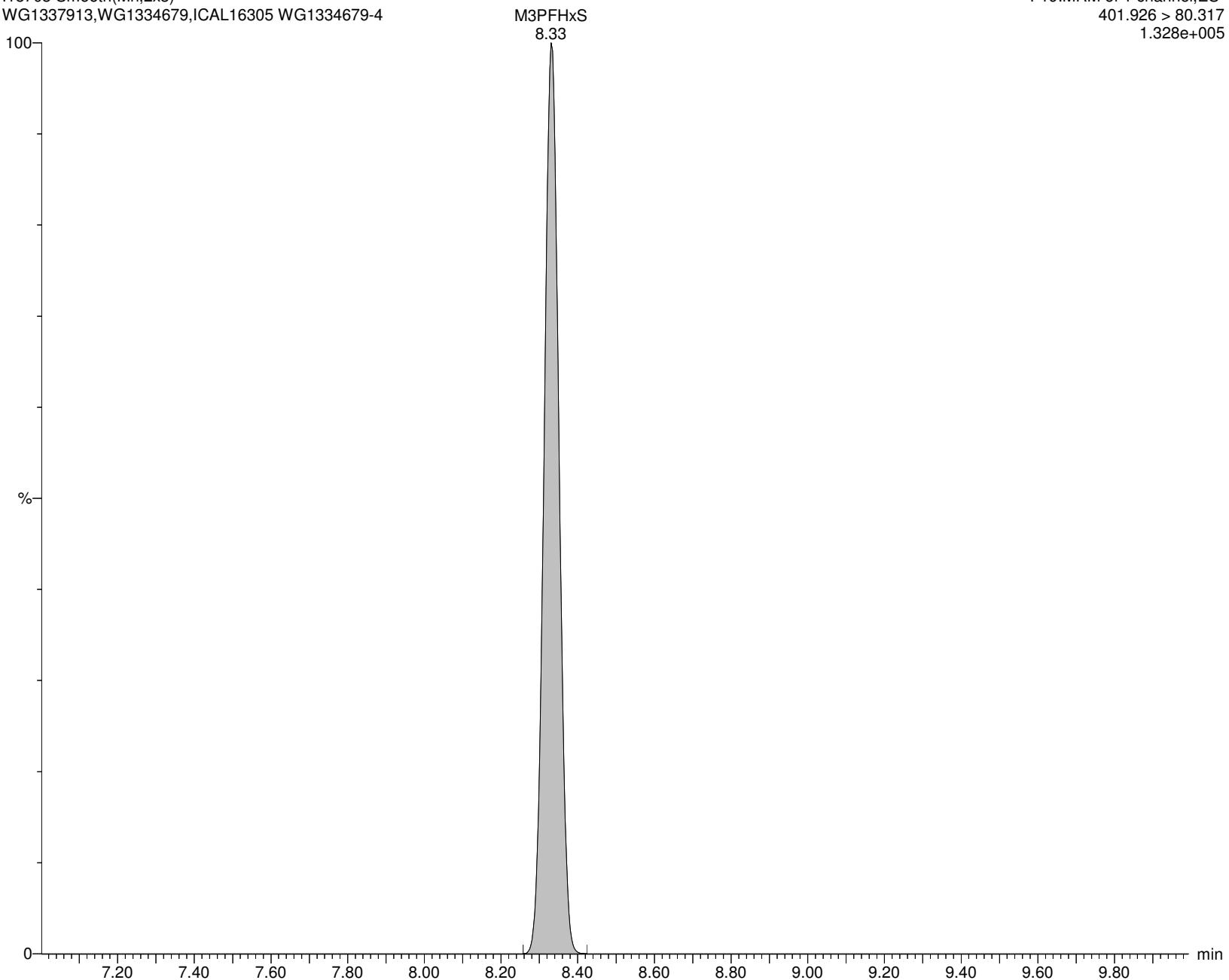
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F19:MRM of 1 channel, ES-

401.926 > 80.317

1.328e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOA

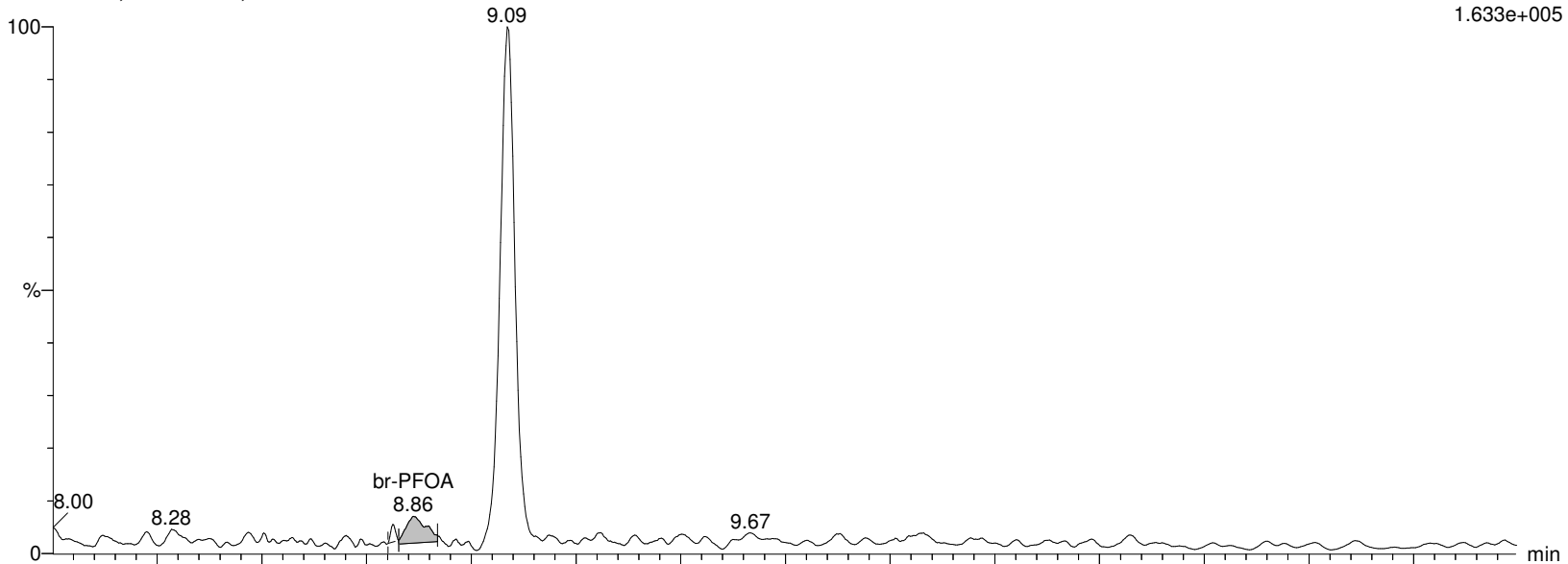
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.633e+005



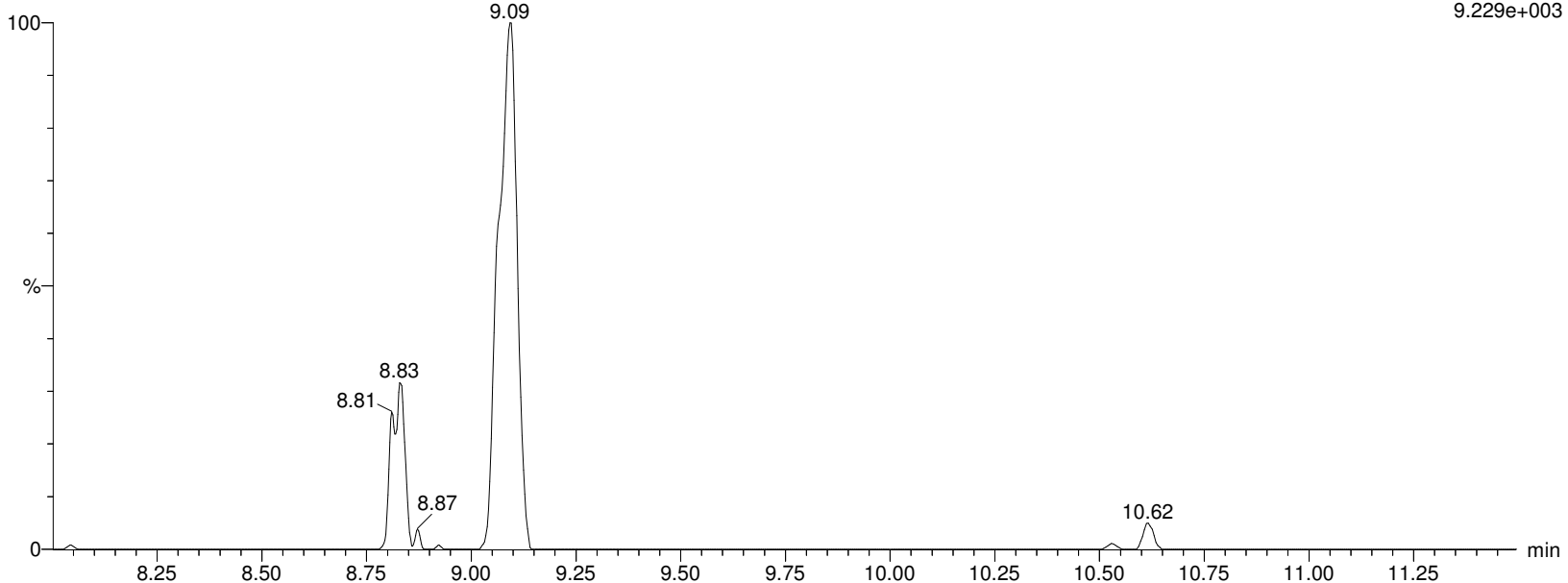
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.229e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOA

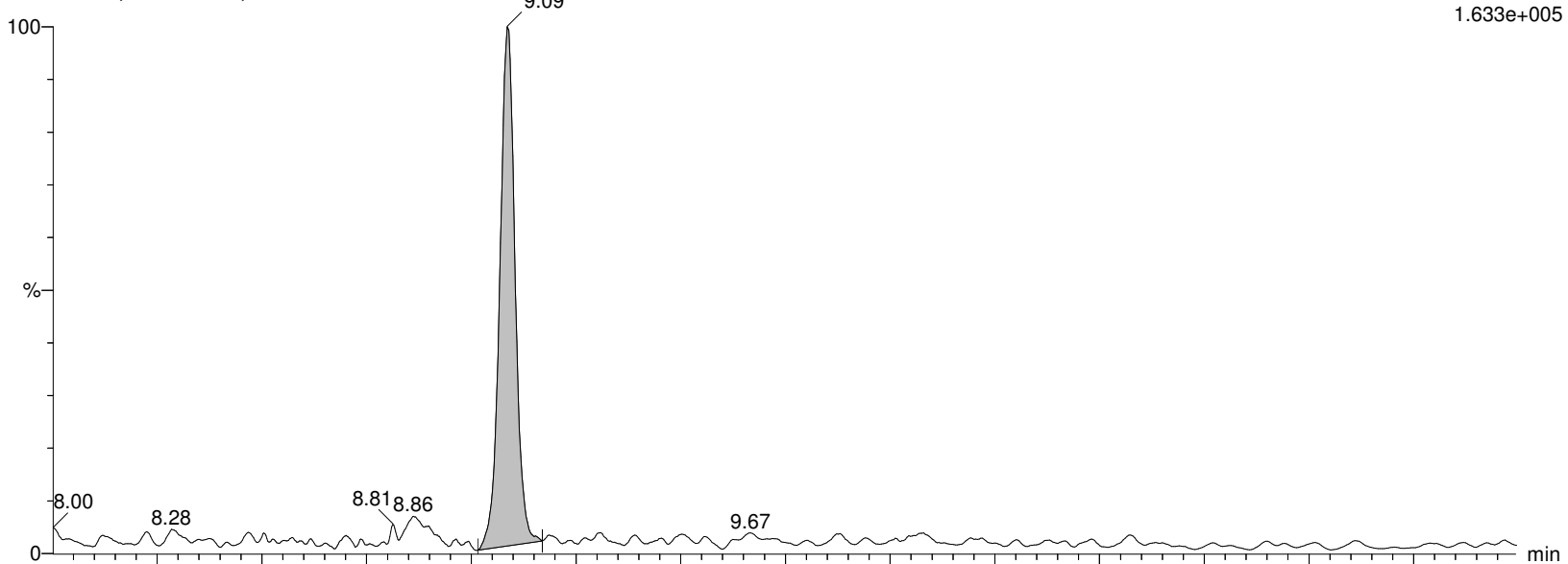
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.633e+005



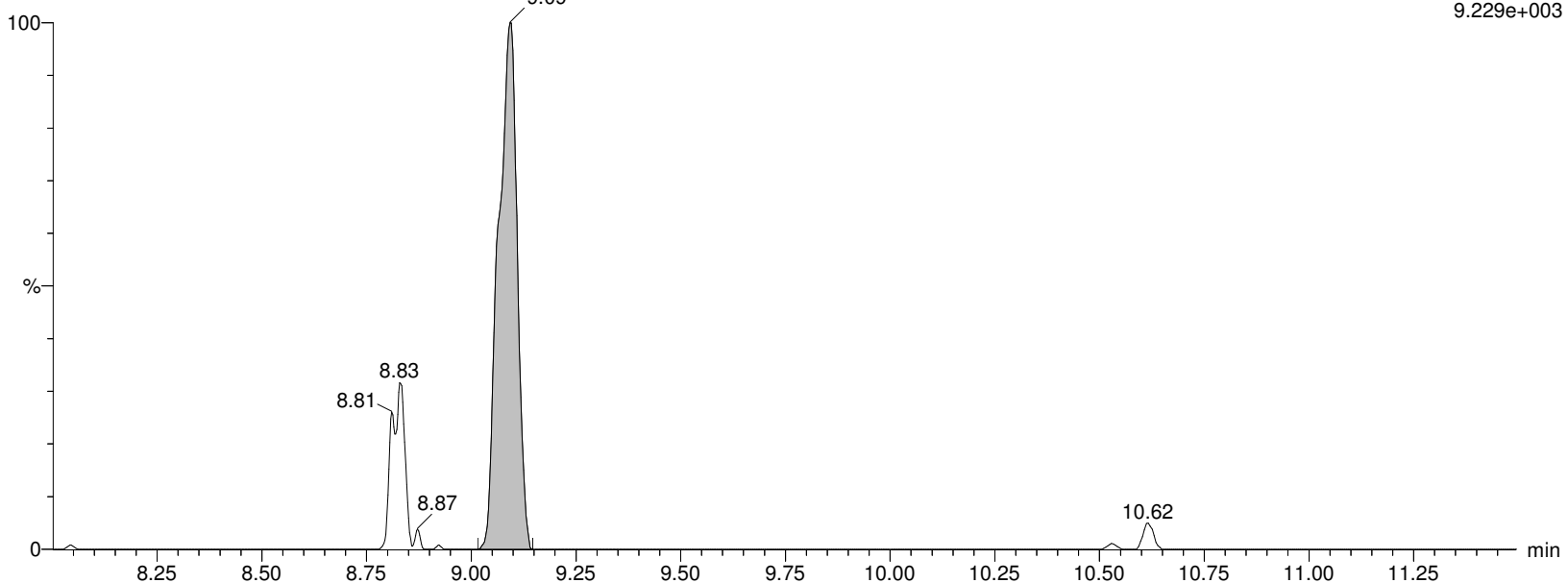
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.229e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOA

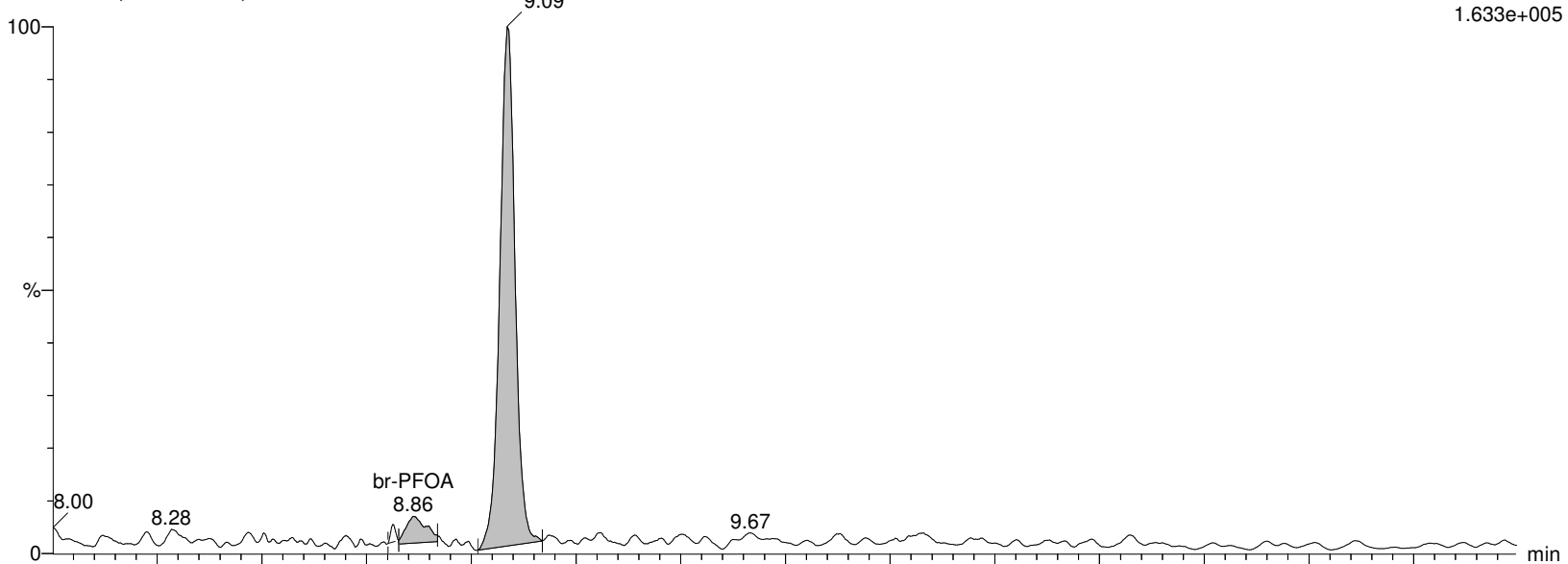
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 368.9

1.633e+005



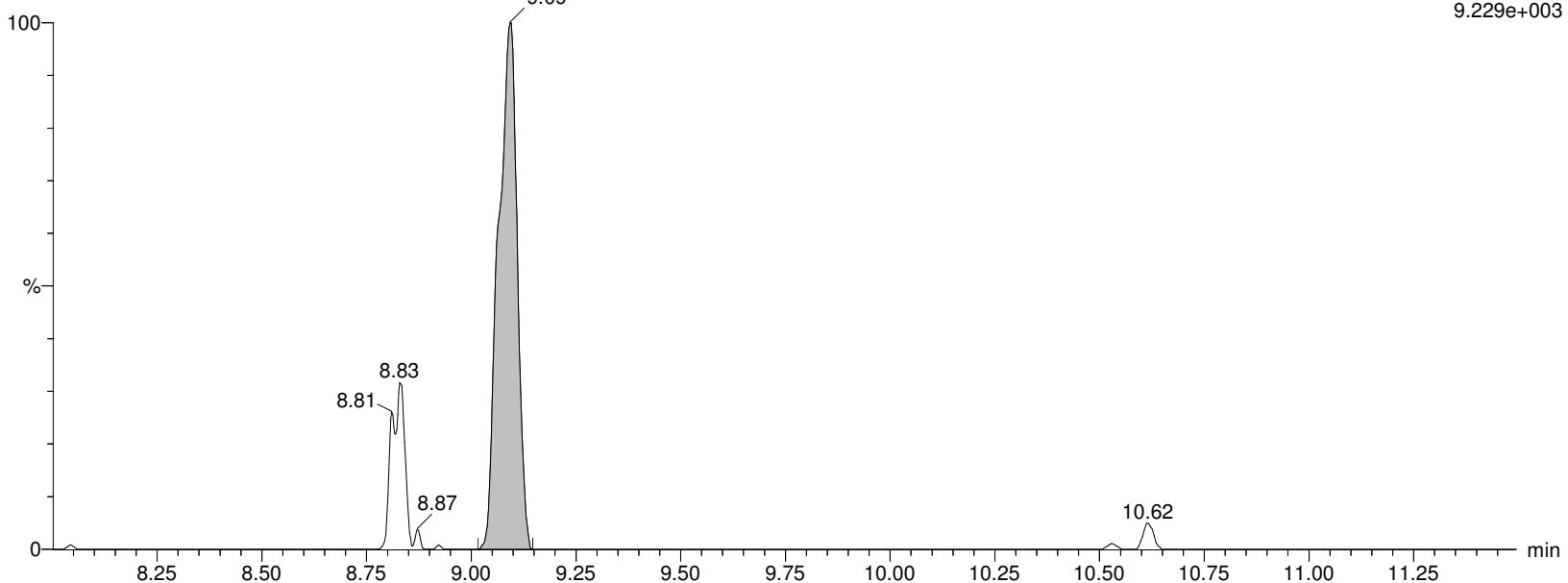
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F20:MRM of 2 channels, ES-

412.989 > 219.08

9.229e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOA**

I18703 Smooth(Mn,2x3)

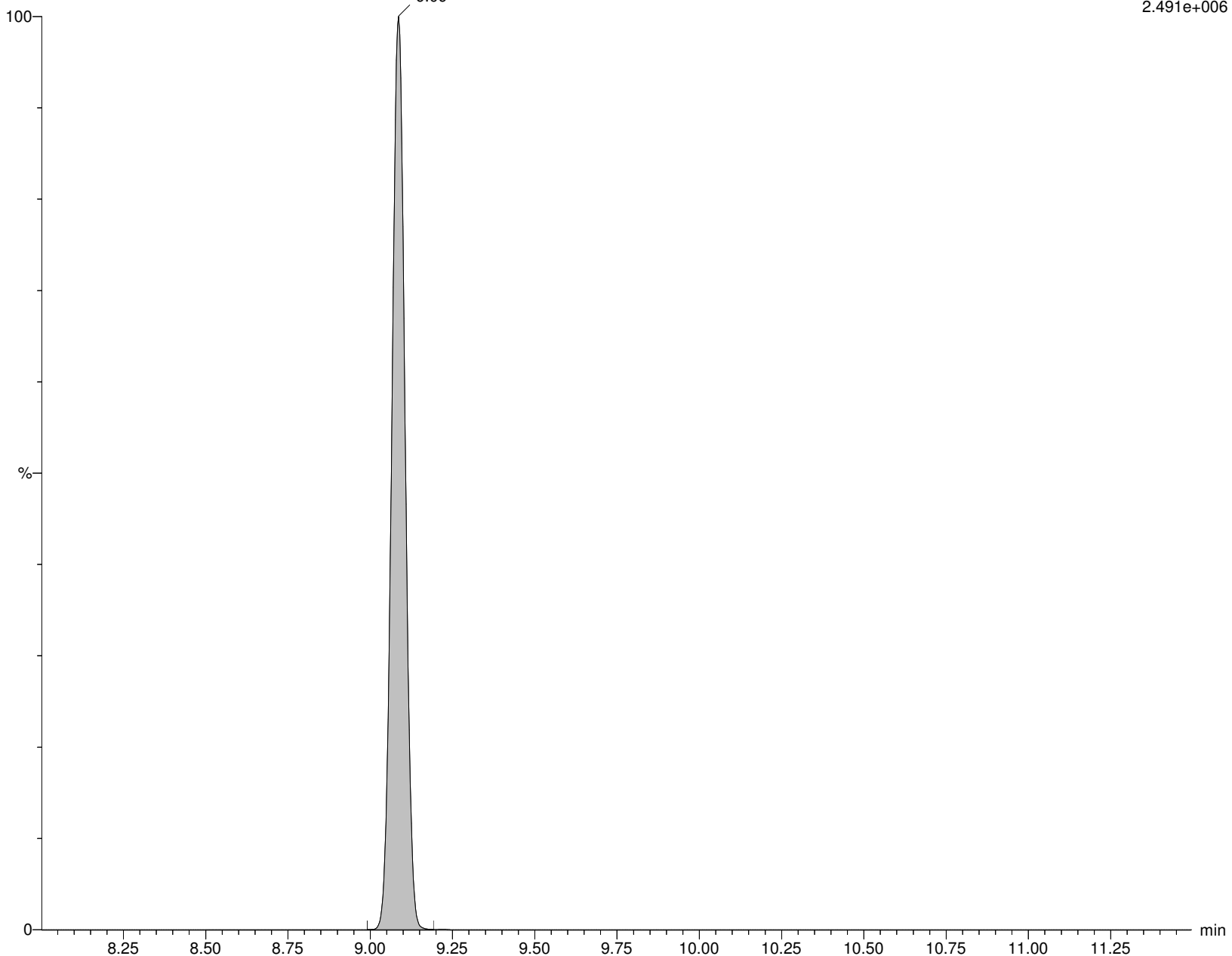
WG1337913, WG1334679, ICAL16305 WG1334679-4

M8PFOA
9.09

F22:MRM of 1 channel, ES-

420.989 > 375.979

2.491e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFOA**

I18703 Smooth(Mn,2x2)

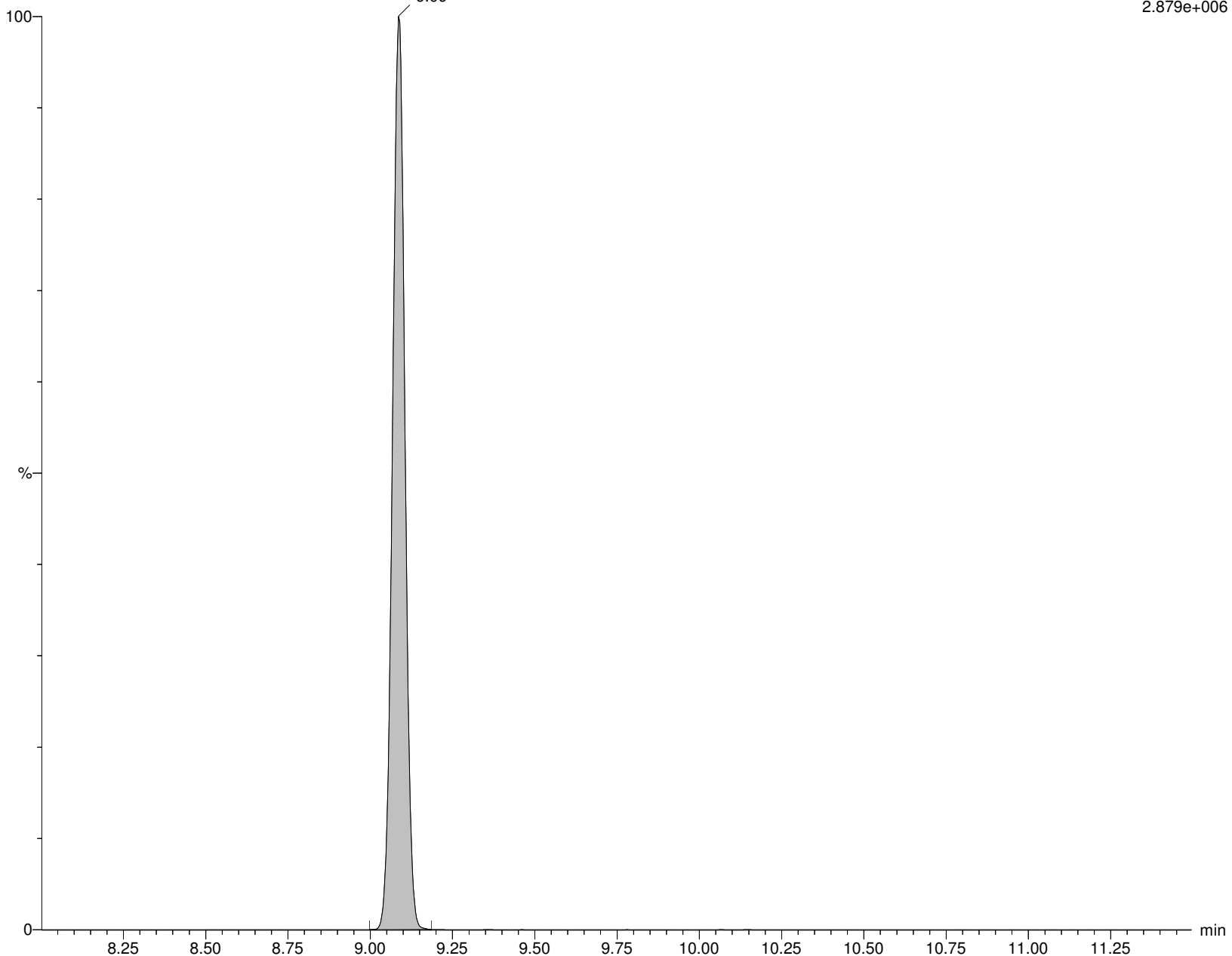
WG1337913, WG1334679, ICAL16305 WG1334679-4

M2PFOA
9.09

F21:MRM of 1 channel, ES-

415.032 > 369.968

2.879e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

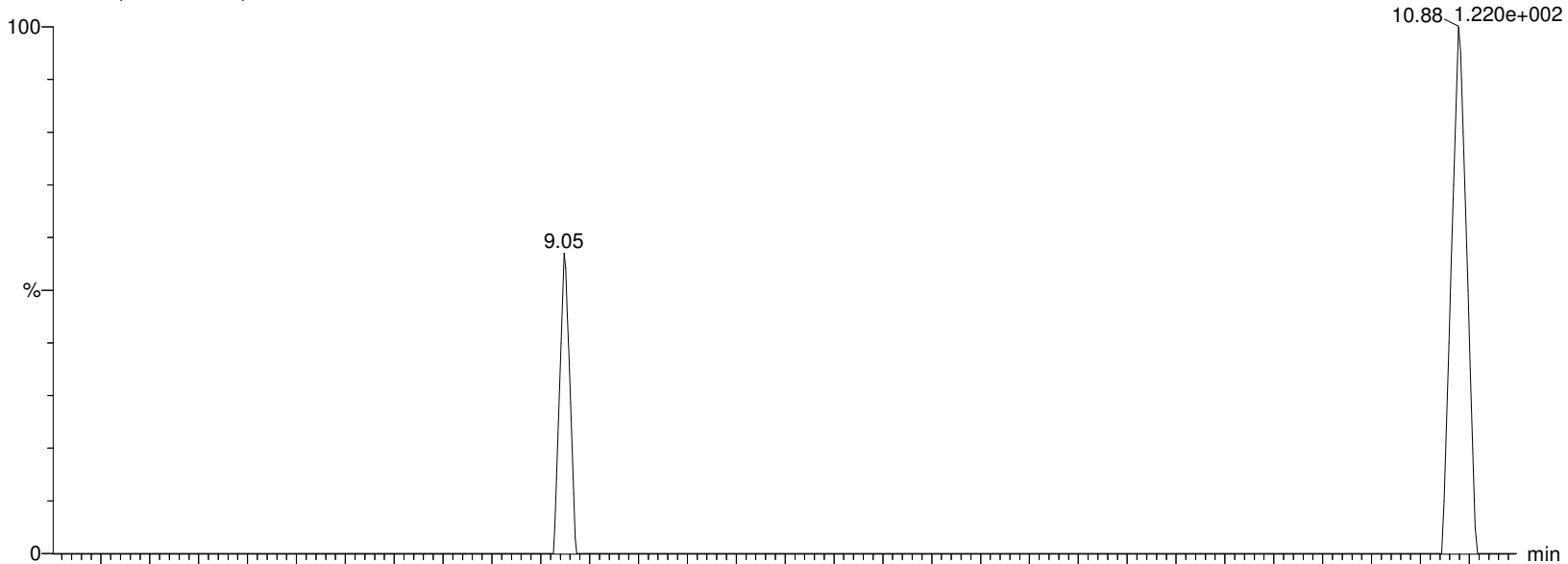
Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****6:2FTS**

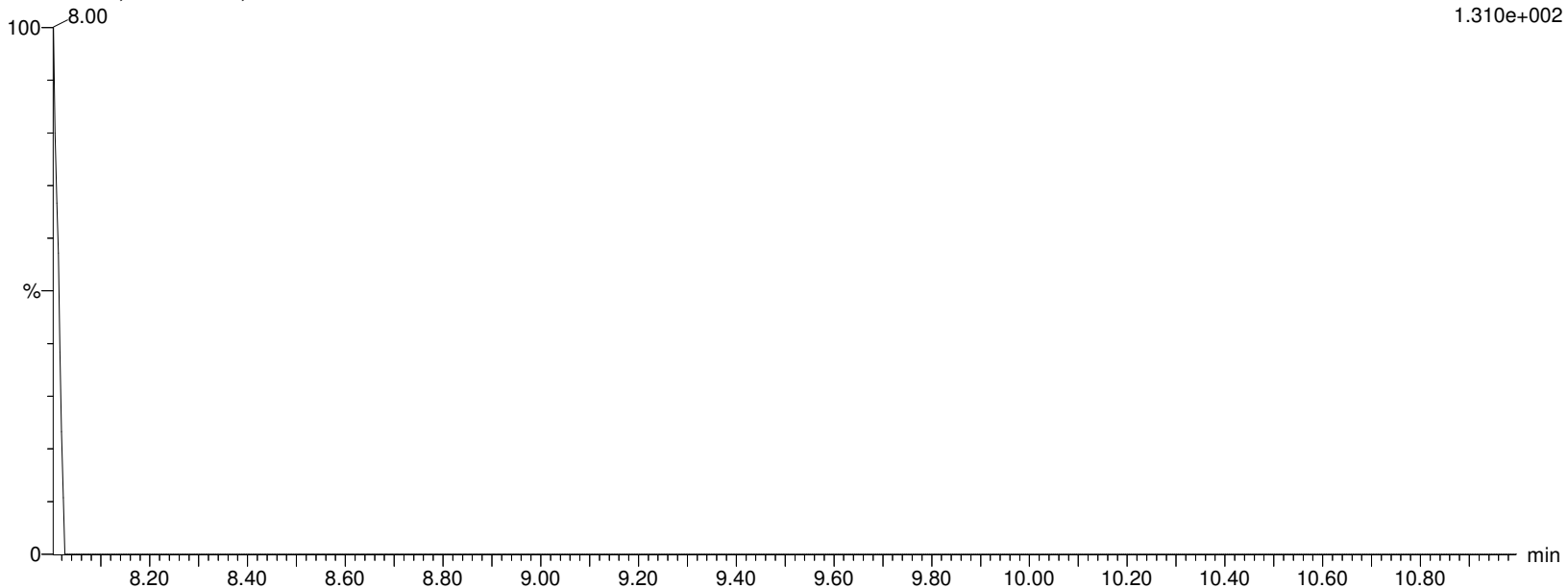
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4



I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-6:2FTS**

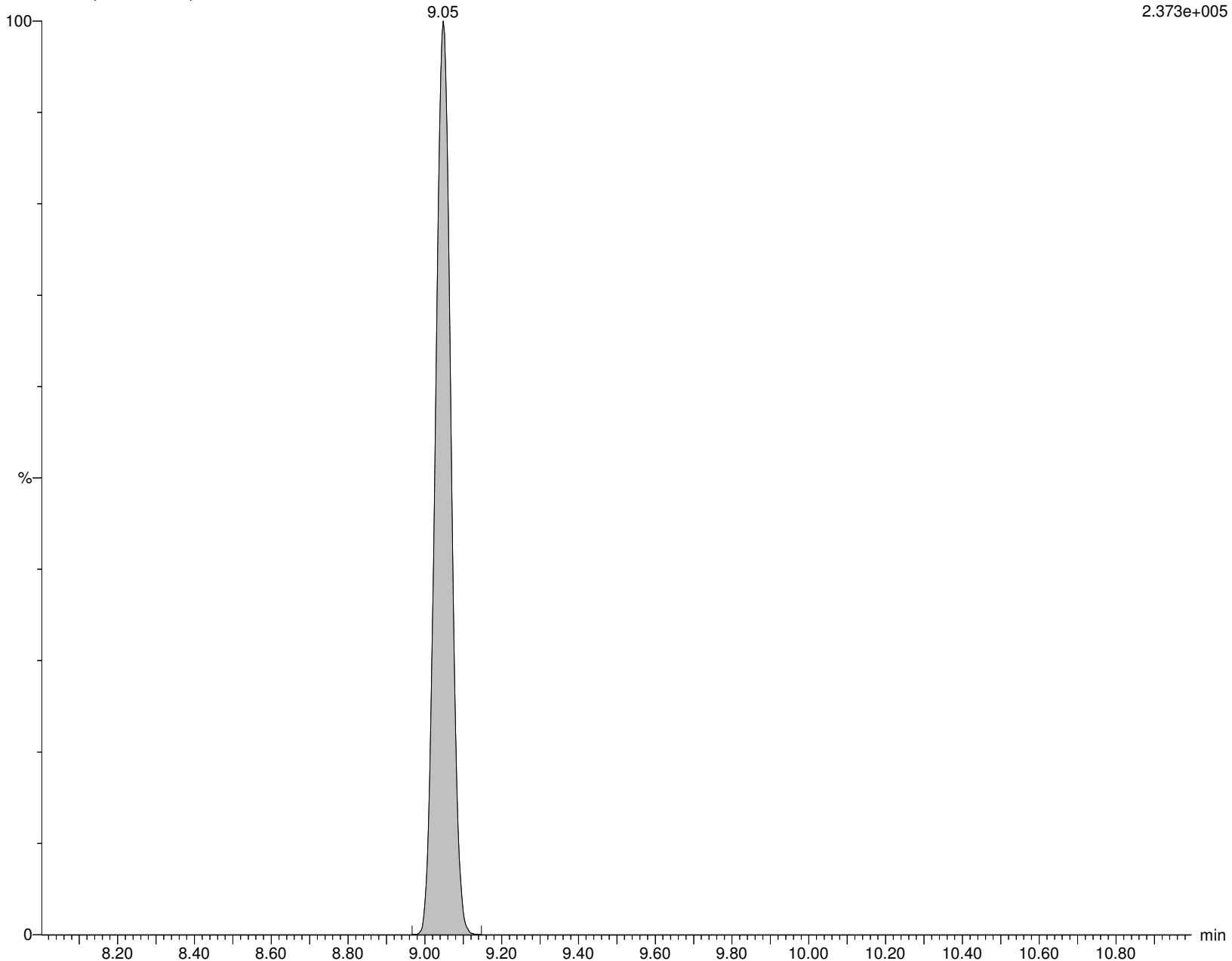
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4 M2-6:2FTS

F24:MRM of 1 channel, ES-

428.989 > 408.917

2.373e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFHpS

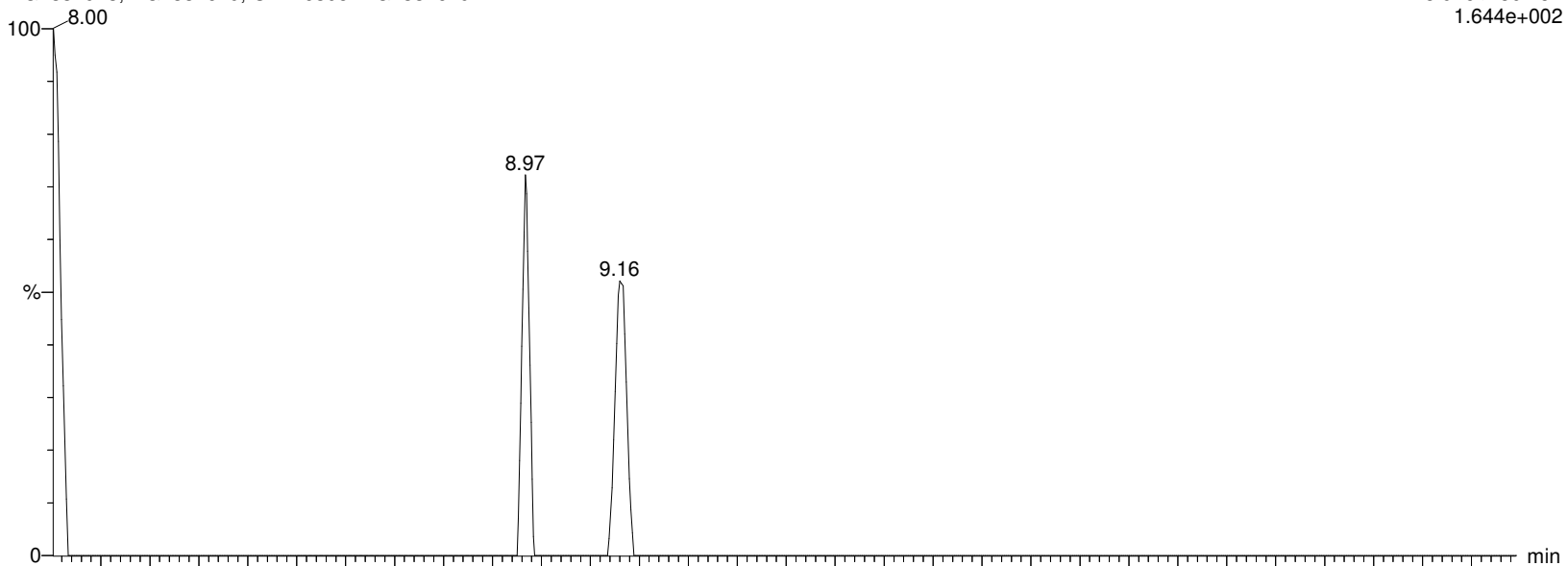
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F25:MRM of 2 channels, ES-

448.926 > 80.257

1.644e+002



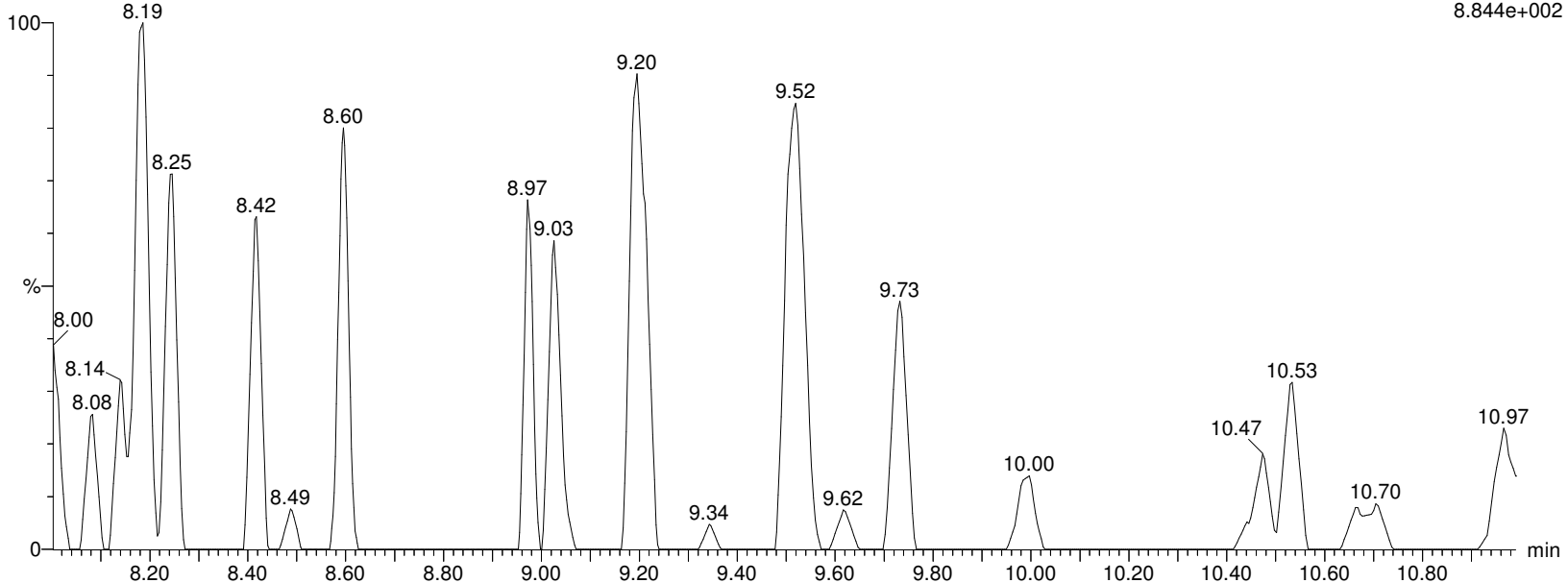
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F25:MRM of 2 channels, ES-

448.926 > 99.22

8.844e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNA**

I18703 Smooth(Mn,2x3)

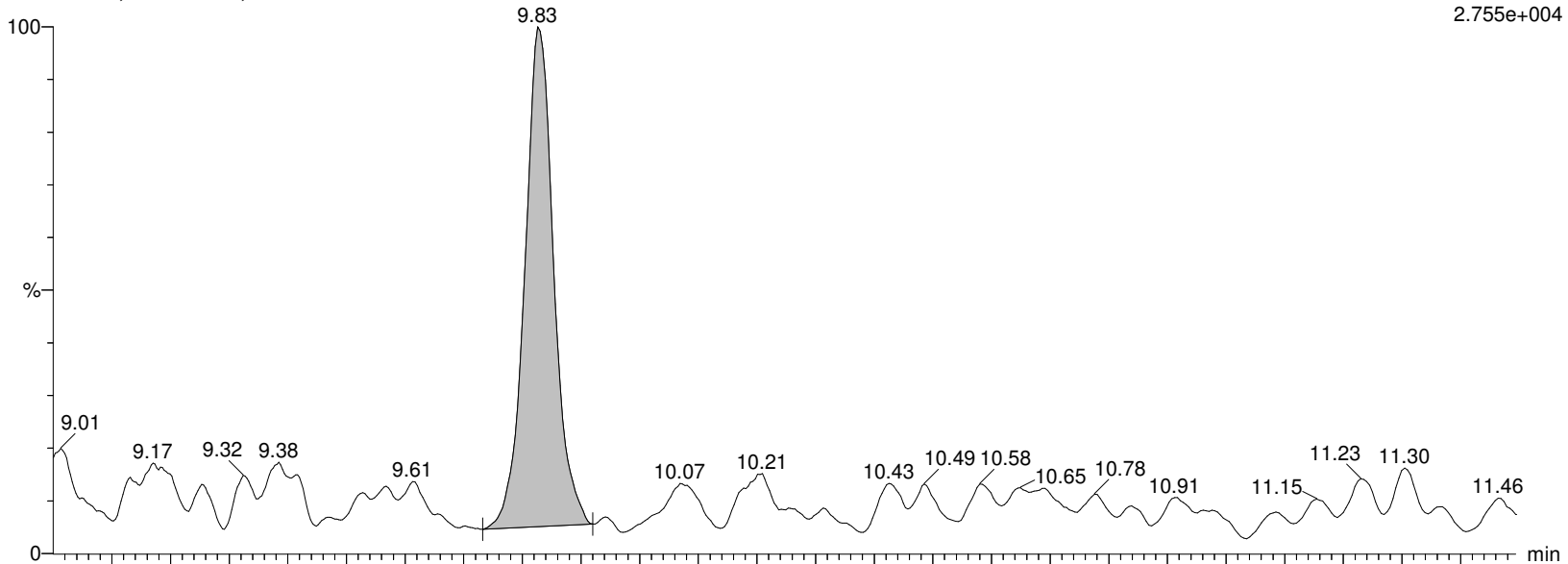
WG1337913,WG1334679,ICAL16305 WG1334679-4

PFNA

F26:MRM of 2 channels,ES-

462.989 > 418.931

2.755e+004



I18703 Smooth(Mn,2x3)

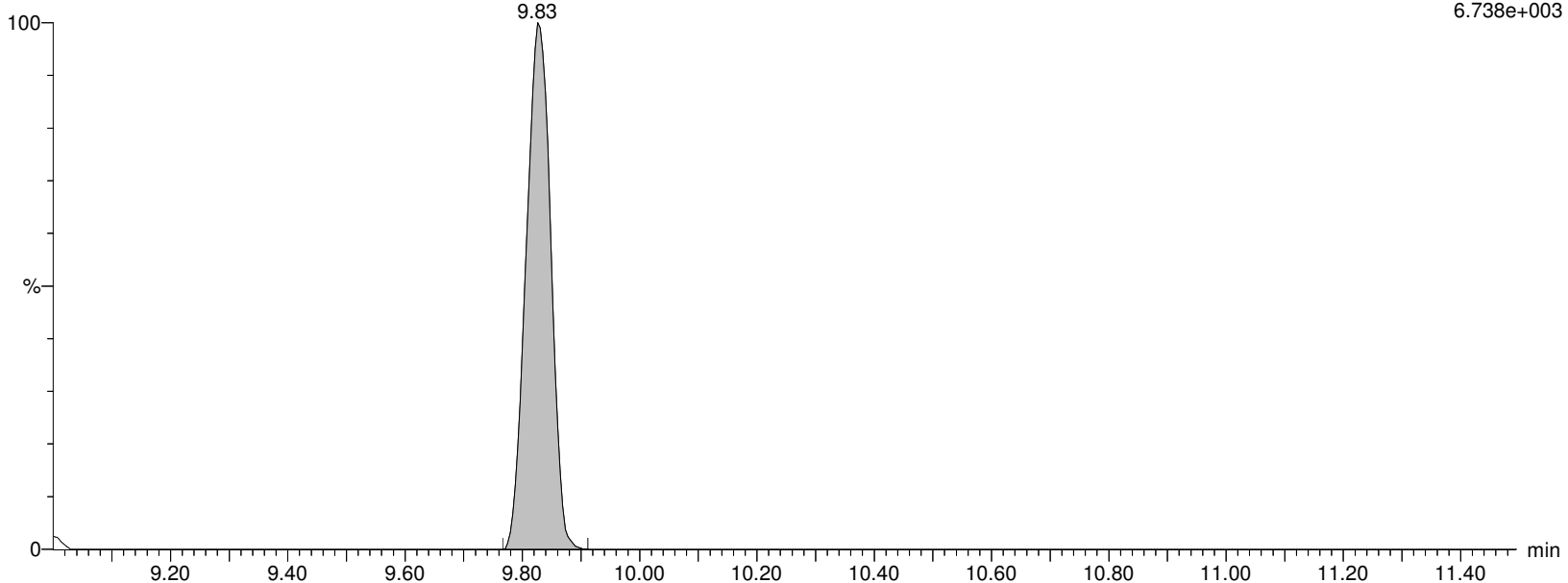
WG1337913,WG1334679,ICAL16305 WG1334679-4

PFNA

F26:MRM of 2 channels,ES-

462.989 > 219.04

6.738e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M9PFNA**

I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

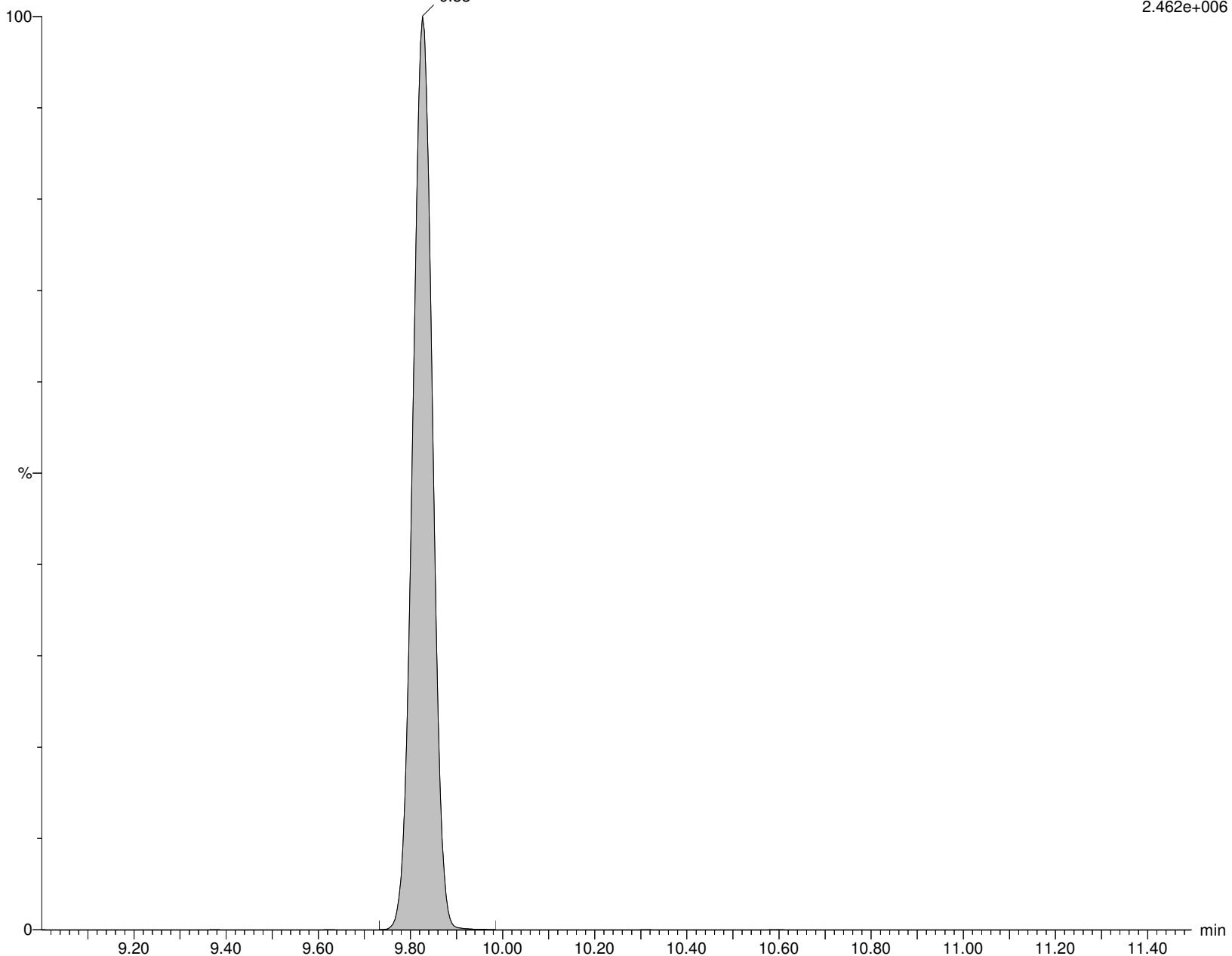
M9PFNA

9.83

F27:MRM of 1 channel, ES-

472.053 > 426.947

2.462e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-PFOS

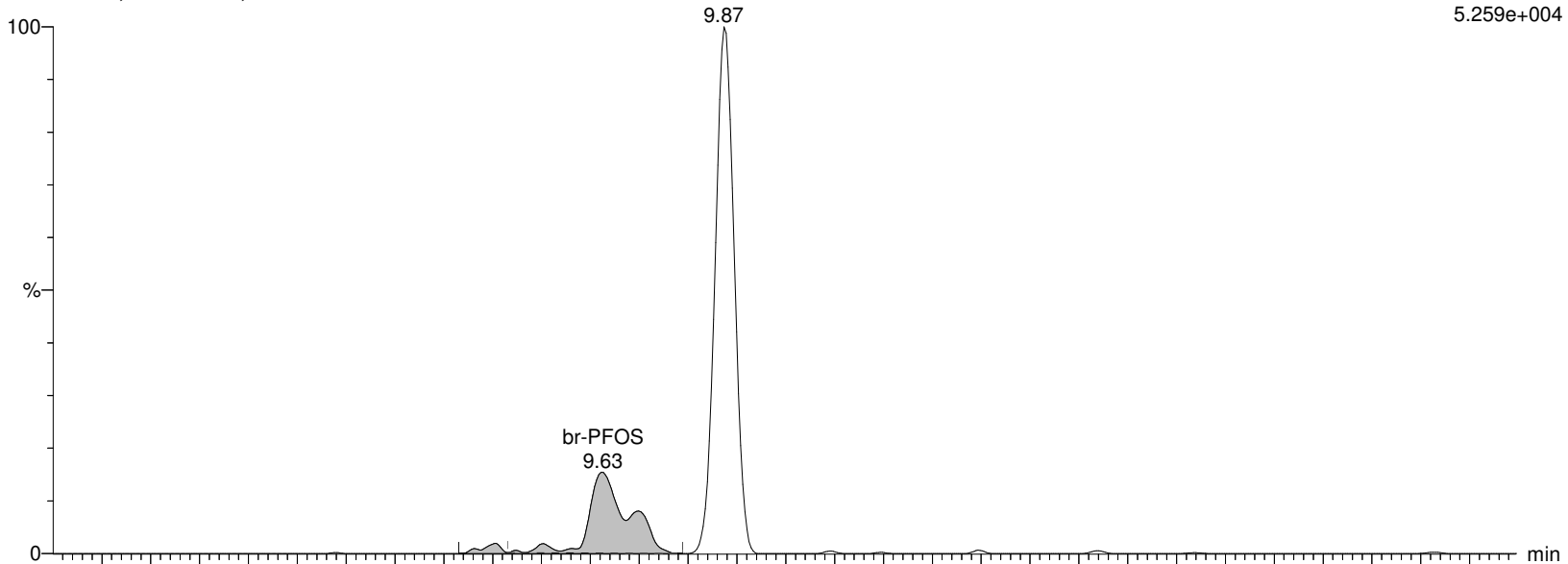
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.259e+004



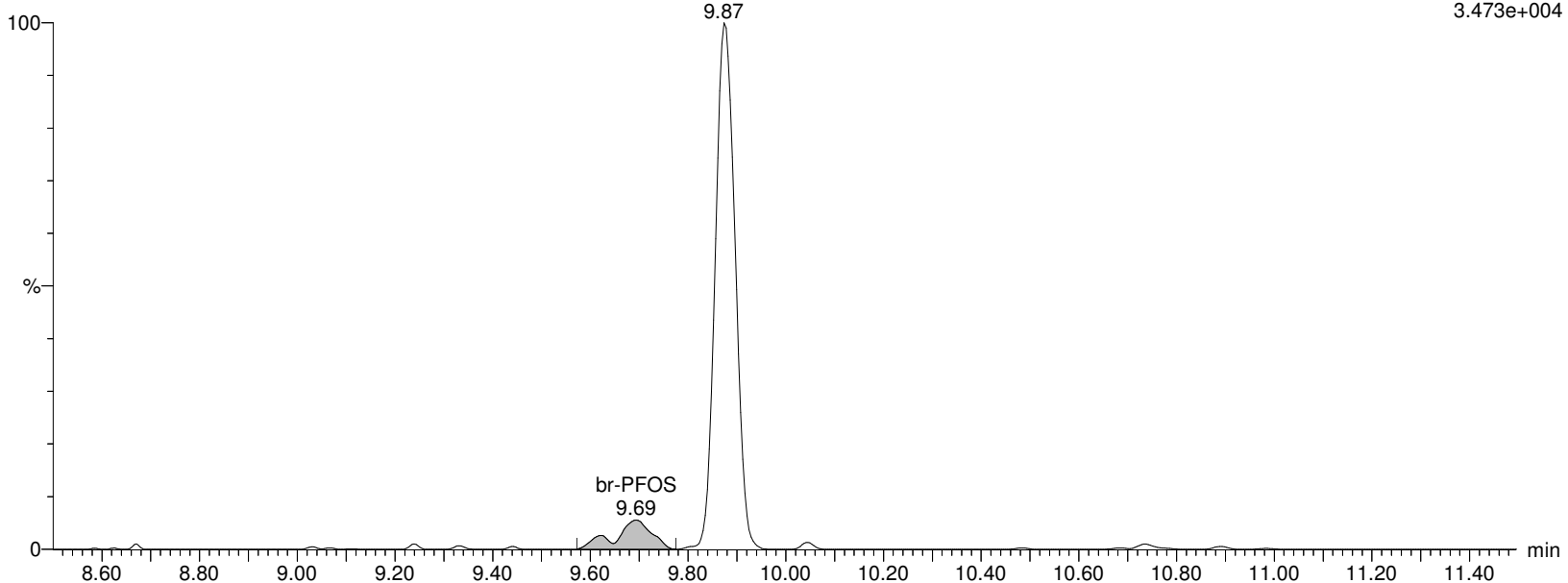
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.473e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-PFOS

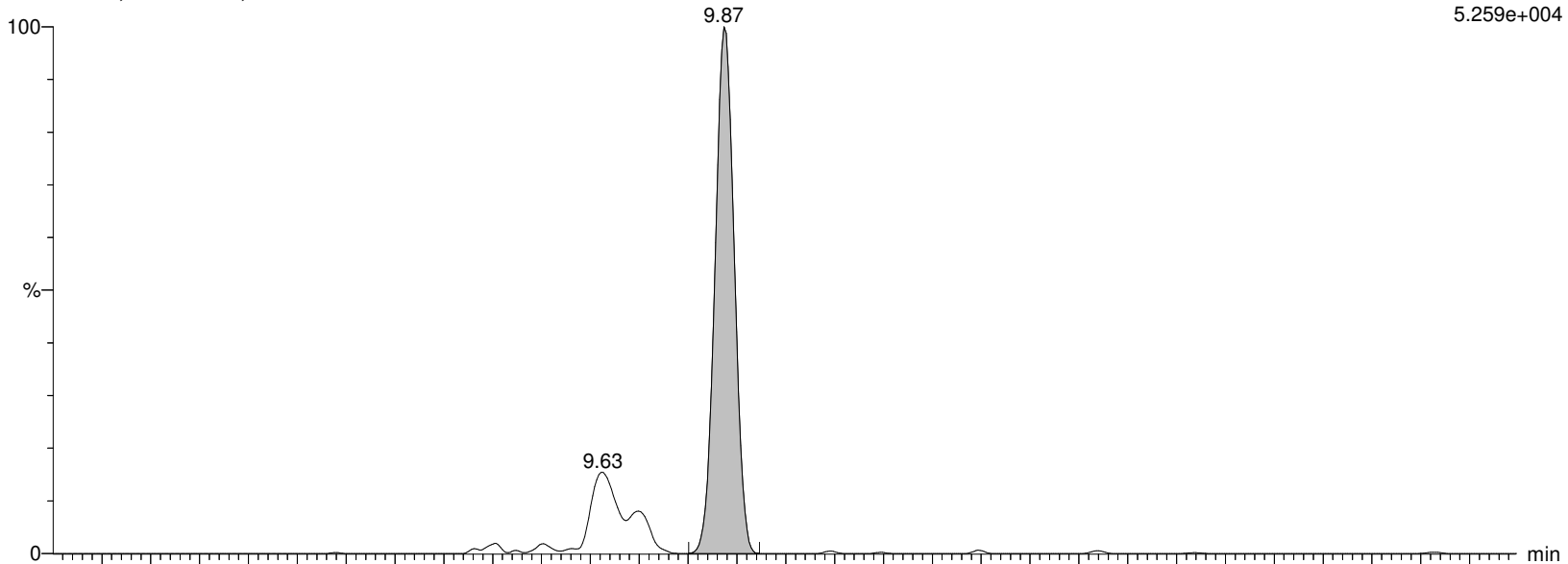
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.259e+004



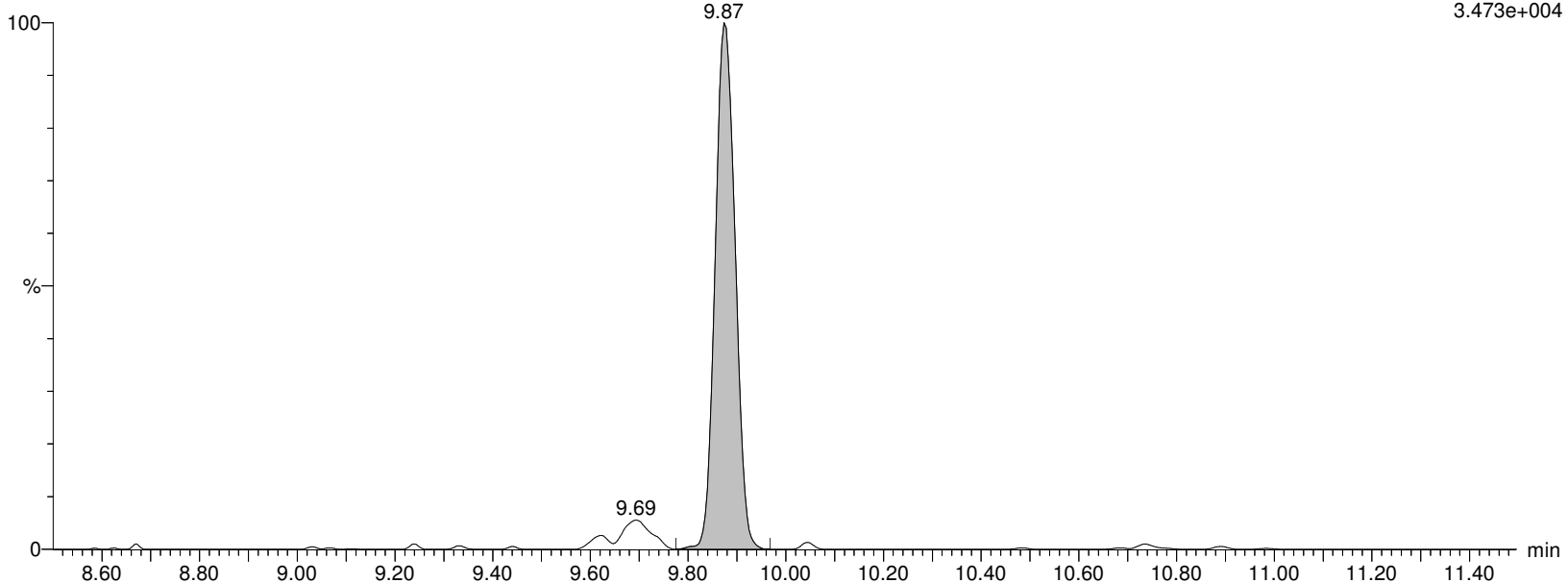
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.473e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFOS

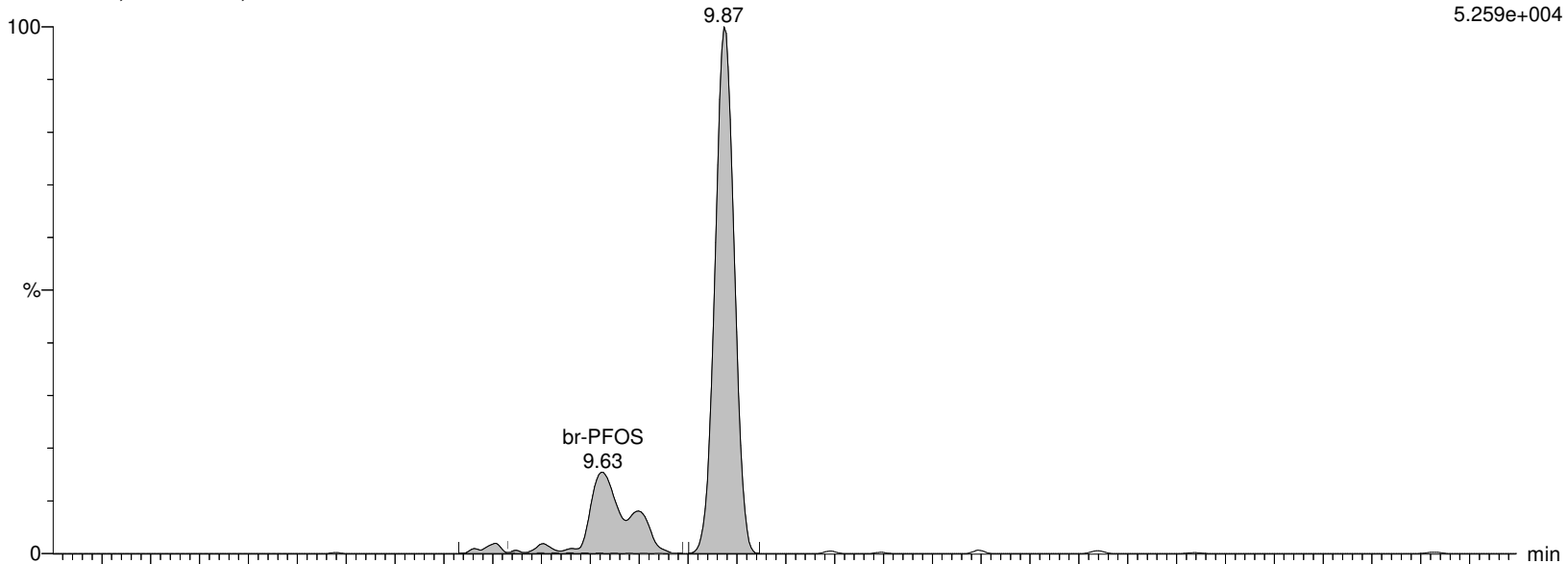
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 80.294

5.259e+004



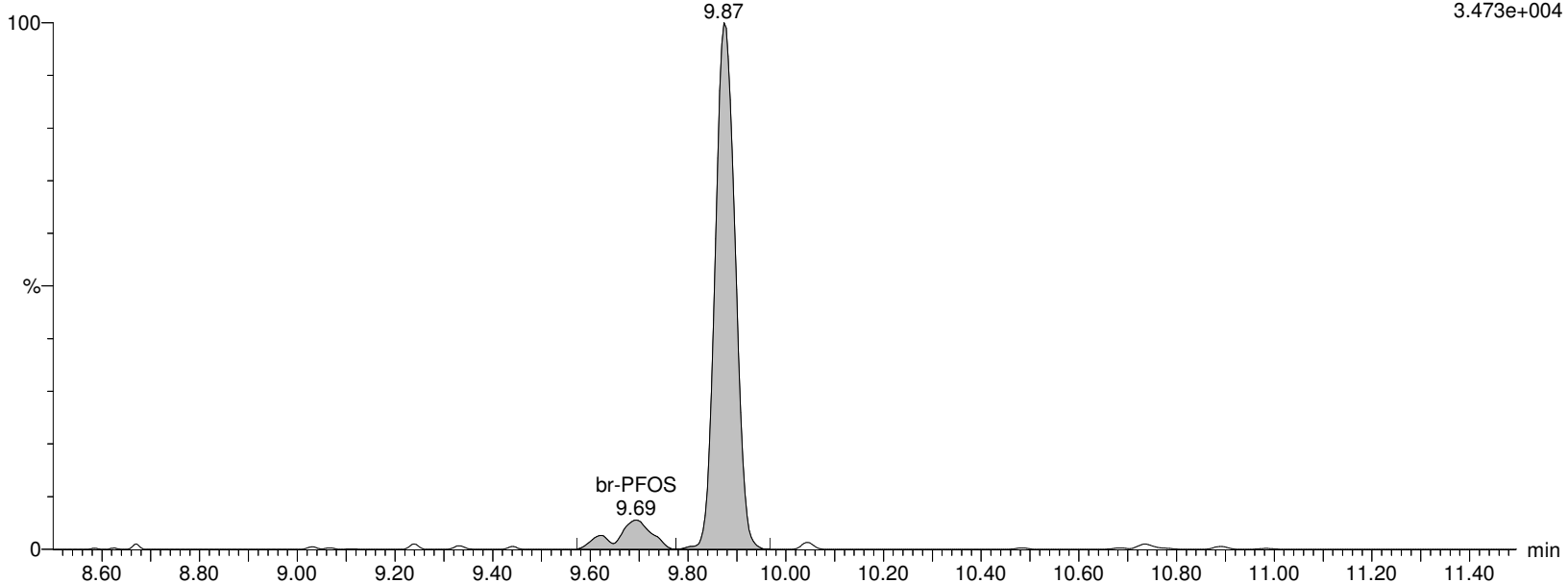
I18703 Smooth(Mn,3x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F29:MRM of 2 channels, ES-

498.989 > 99.27

3.473e+004



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M4PFOS**

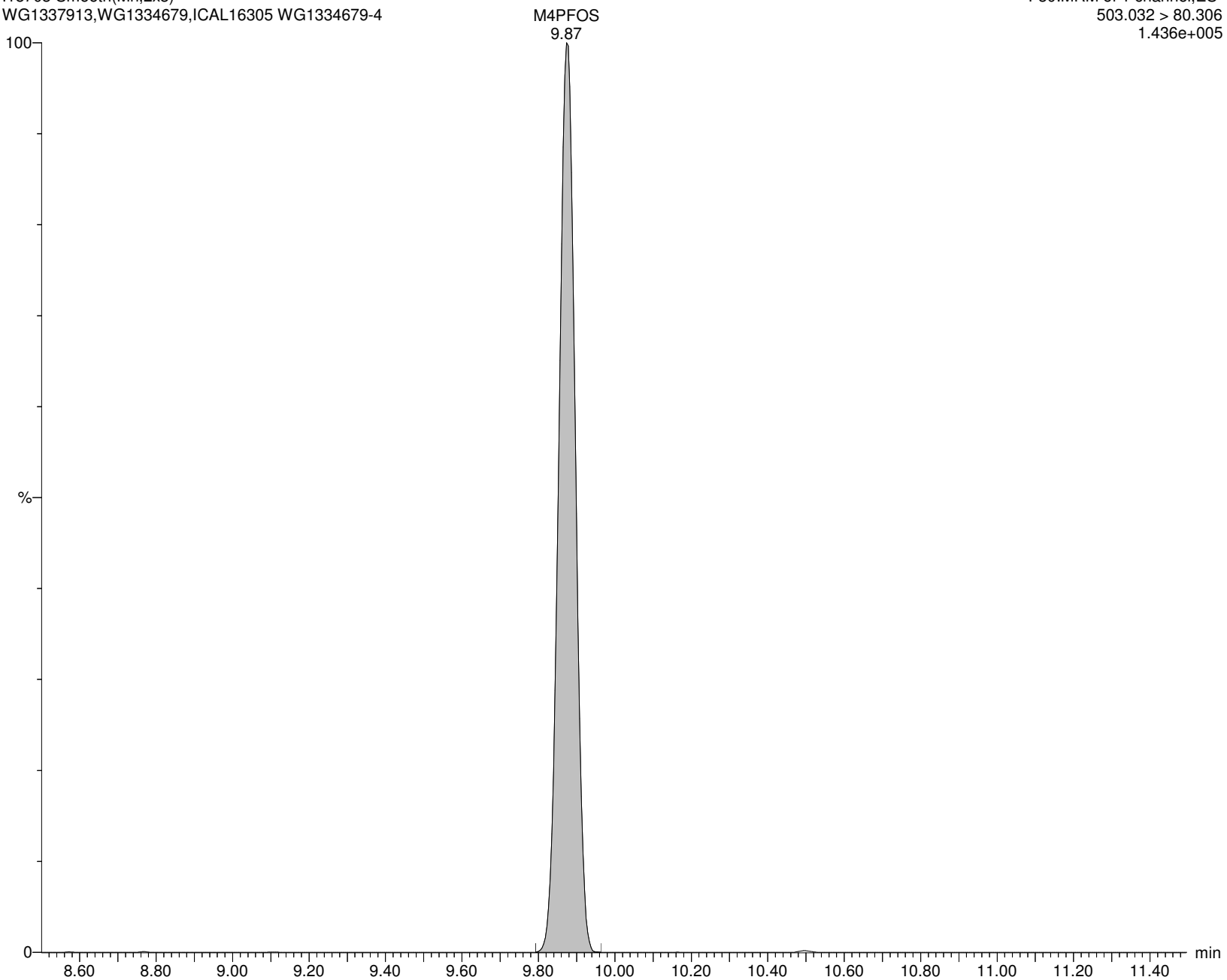
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F30:MRM of 1 channel, ES-

503.032 > 80.306

1.436e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8PFOS**

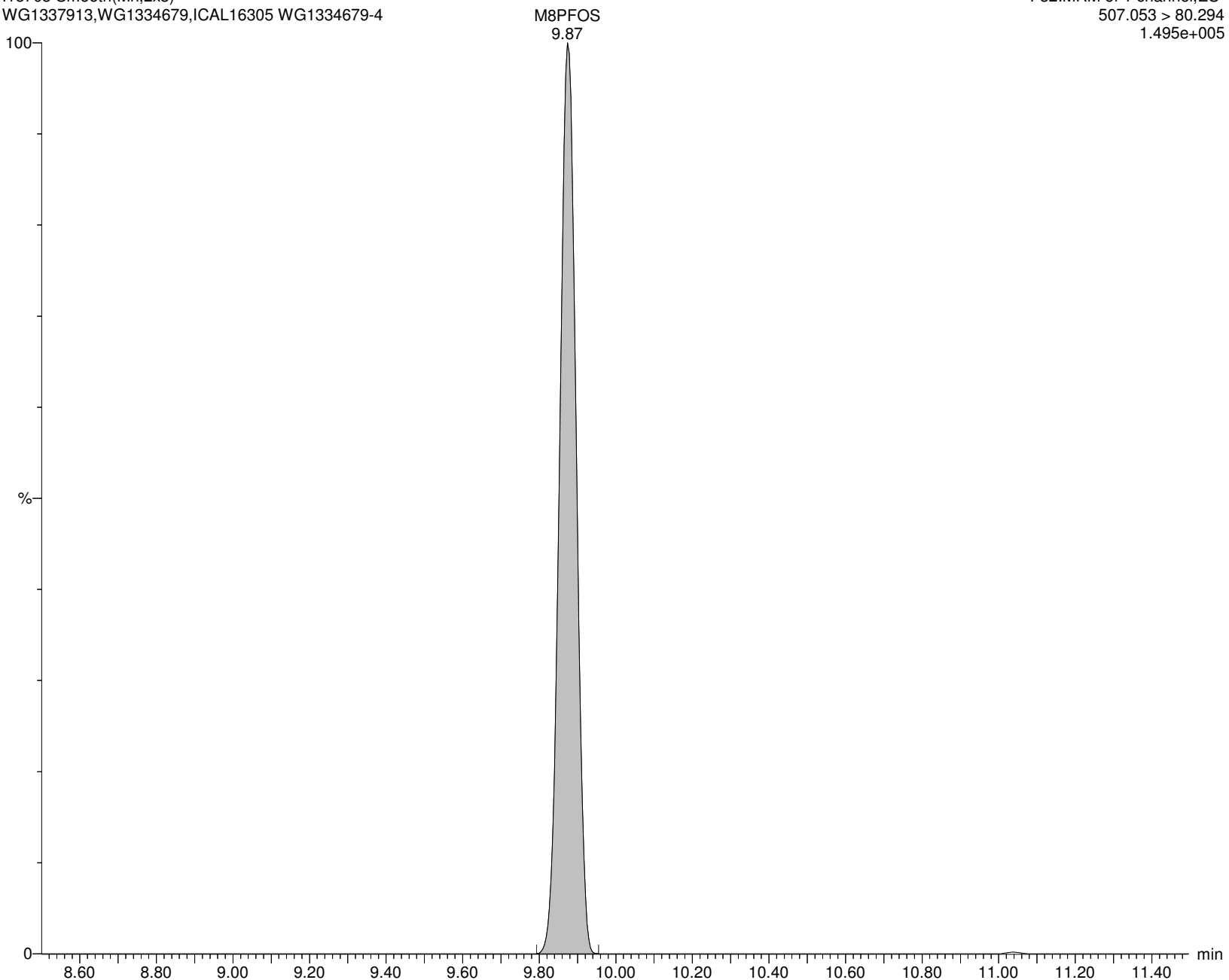
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F32:MRM of 1 channel, ES-

507.053 > 80.294

1.495e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDA

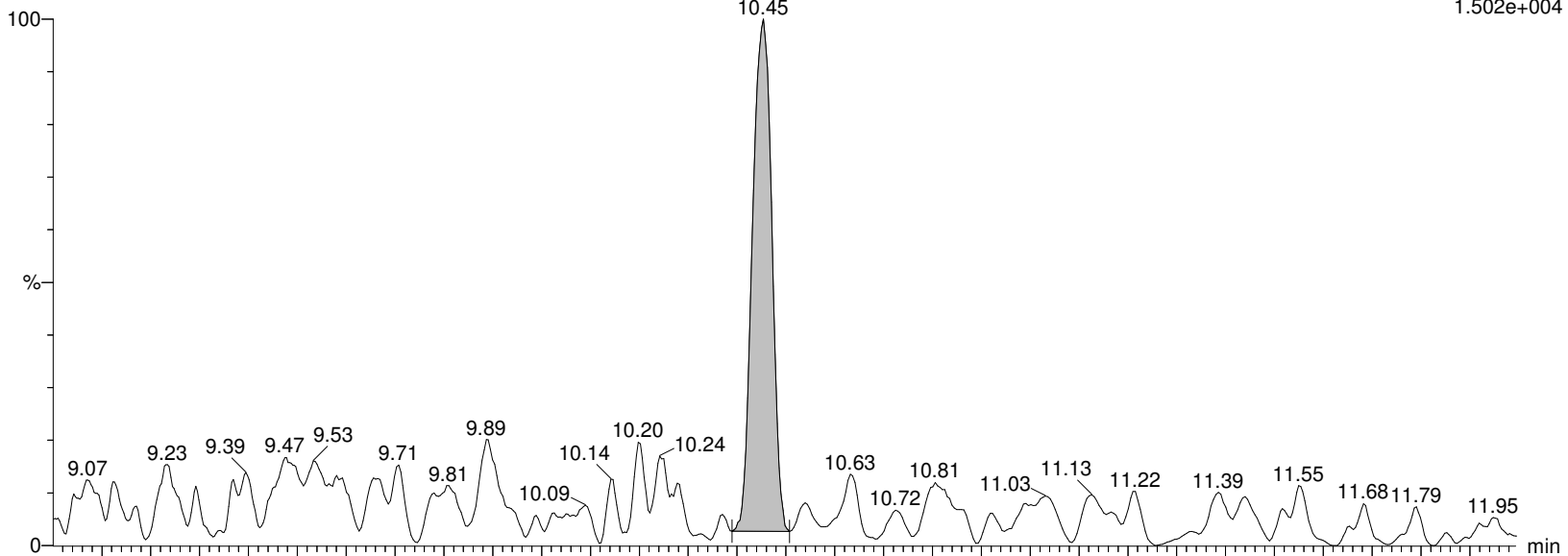
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F34:MRM of 2 channels, ES-

513.053 > 468.906

1.502e+004



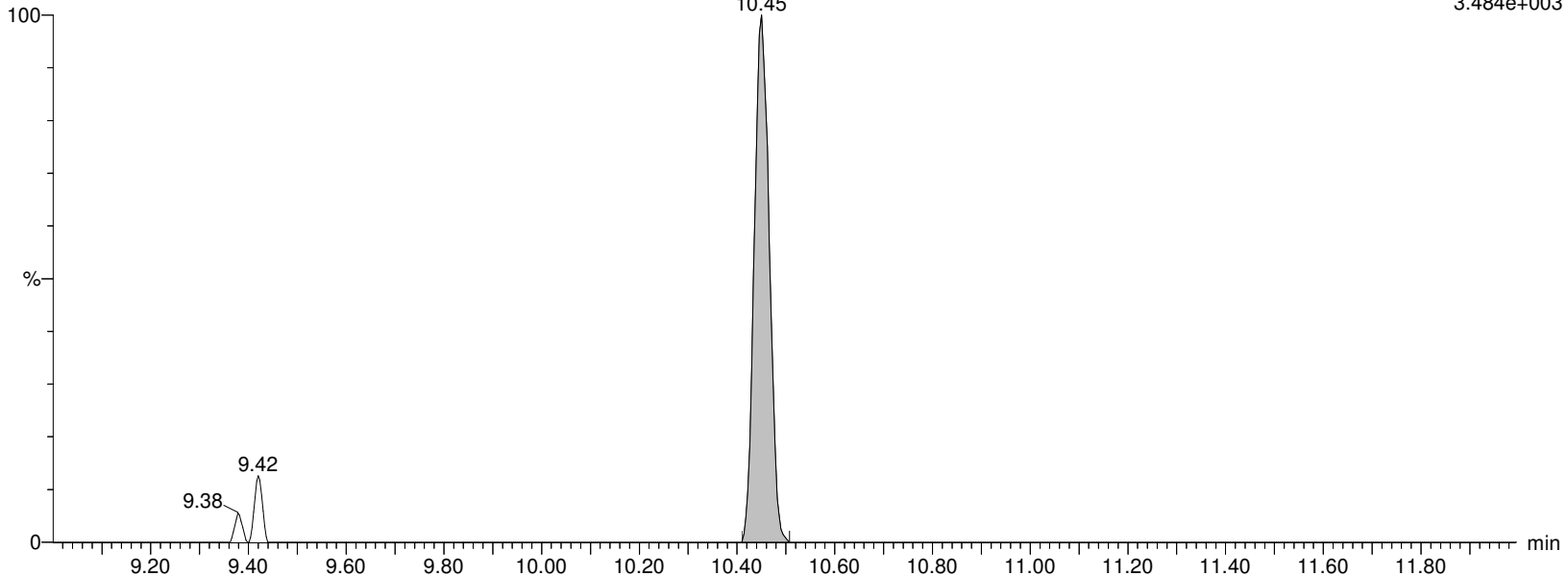
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F34:MRM of 2 channels, ES-

513.053 > 219.08

3.484e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFDA**

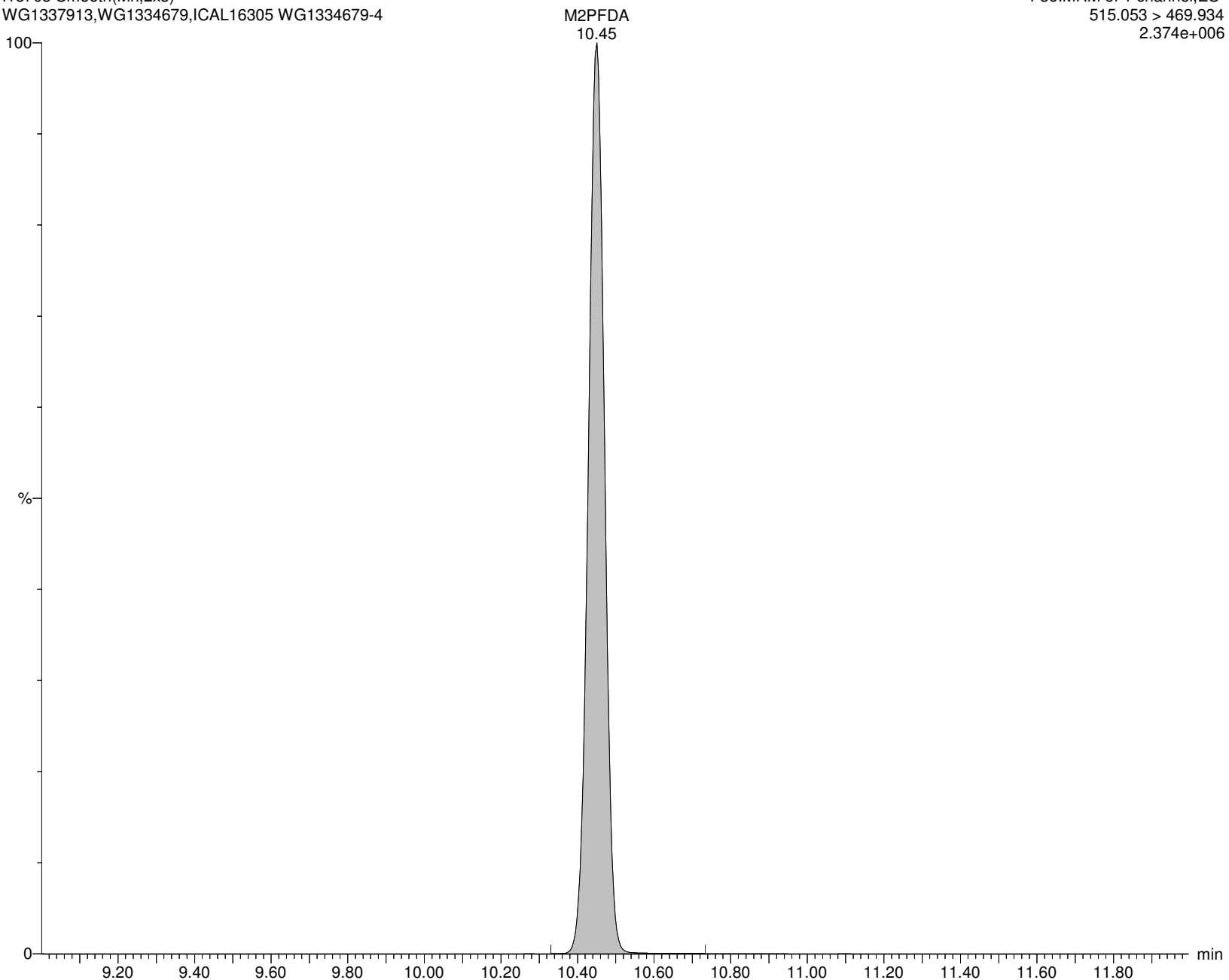
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F36:MRM of 1 channel, ES-

515.053 > 469.934

2.374e+006



Alpha Analytical Inc.

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Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M6PFDA**

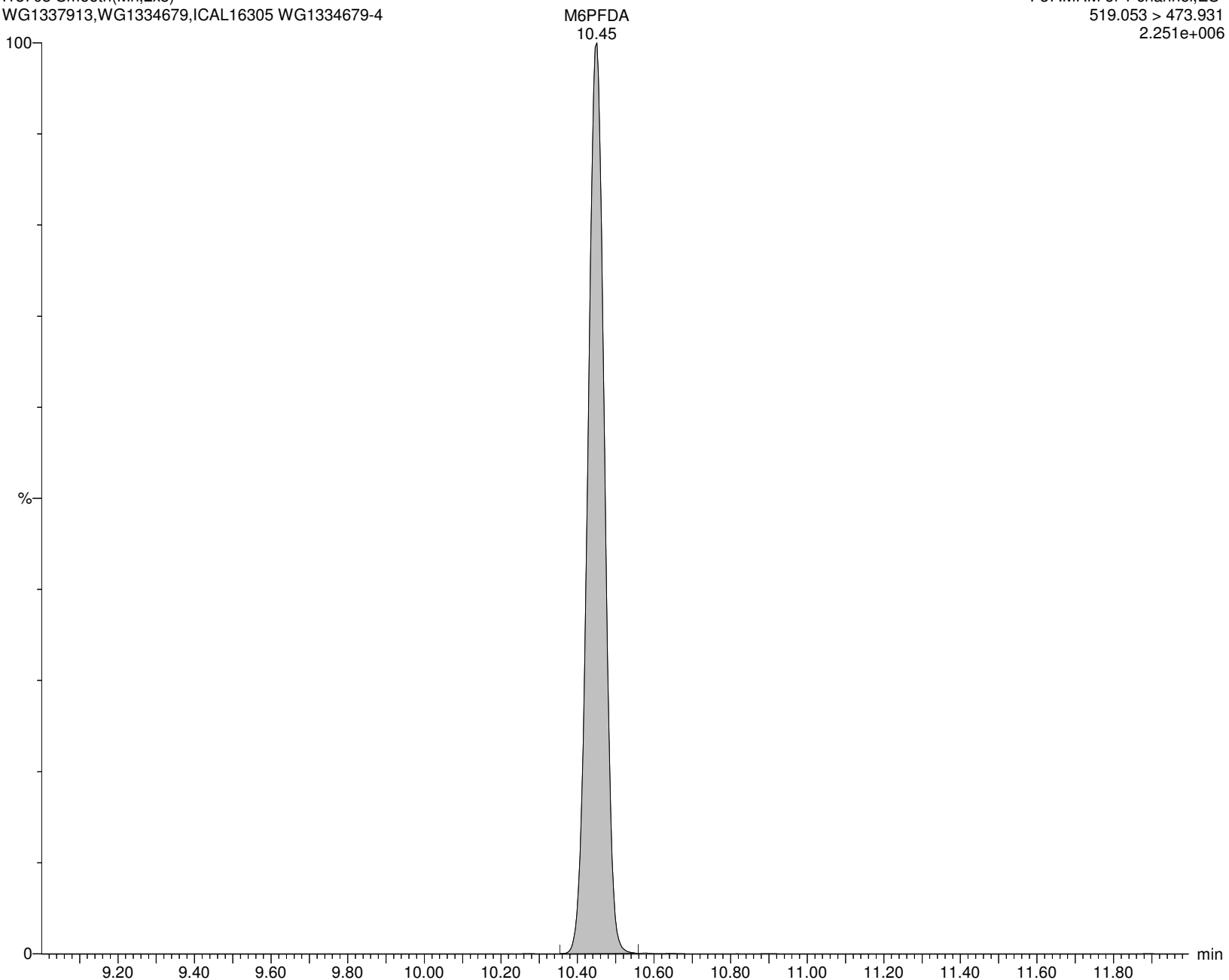
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F37:MRM of 1 channel, ES-

519.053 > 473.931

2.251e+006



Alpha Analytical Inc.

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Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****-****8:2FTS**

I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F39:MRM of 2 channels, ES-

526.926 > 506.818

1.000e-003



Alpha Analytical Inc.

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Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2-8:2FTS**

I18703 Smooth(Mn,2x3)

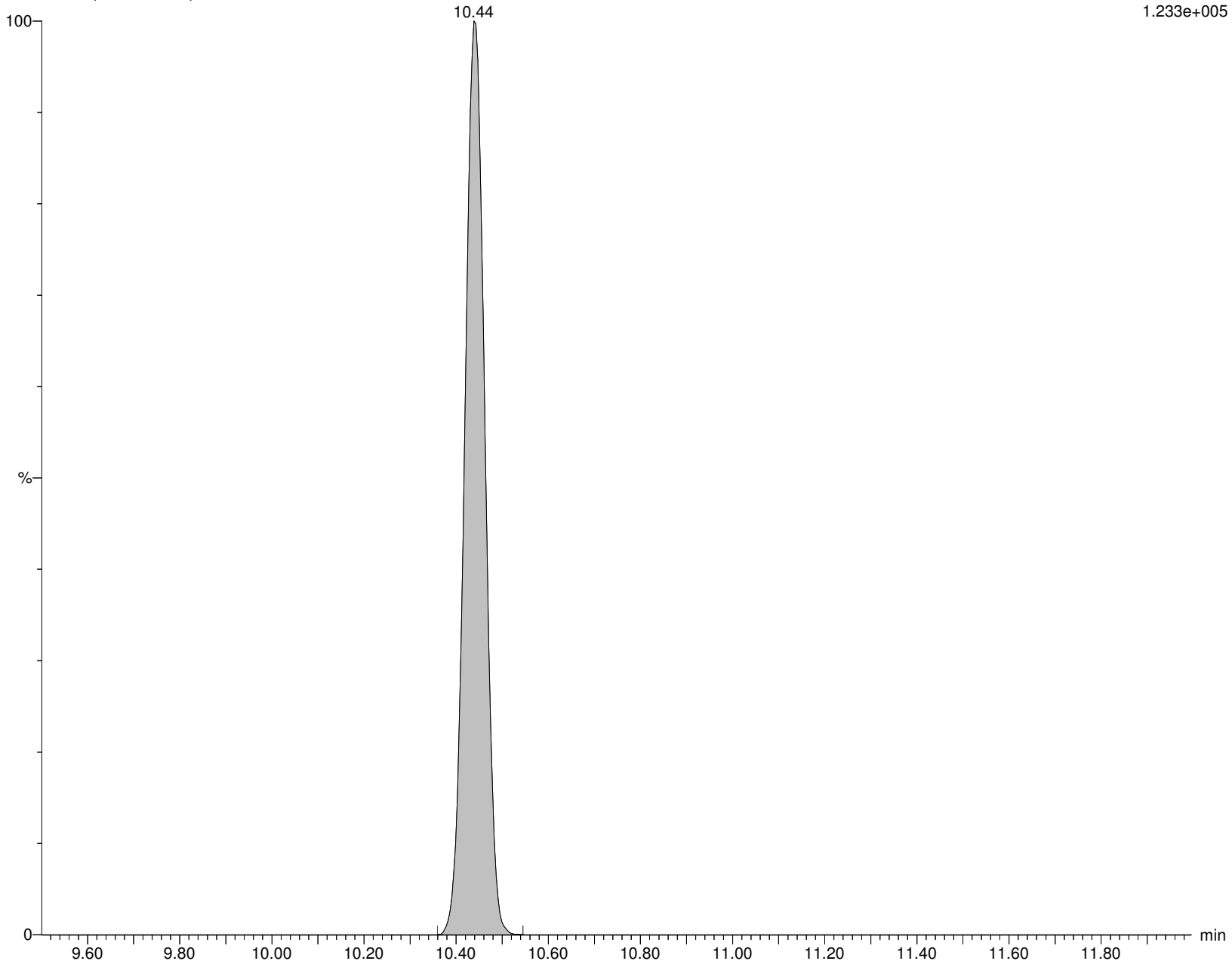
WG1337913, WG1334679, ICAL16305 WG1334679-4

M2-8:2FTS

F40:MRM of 2 channels, ES-

529.053 > 508.945

1.233e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFNS**

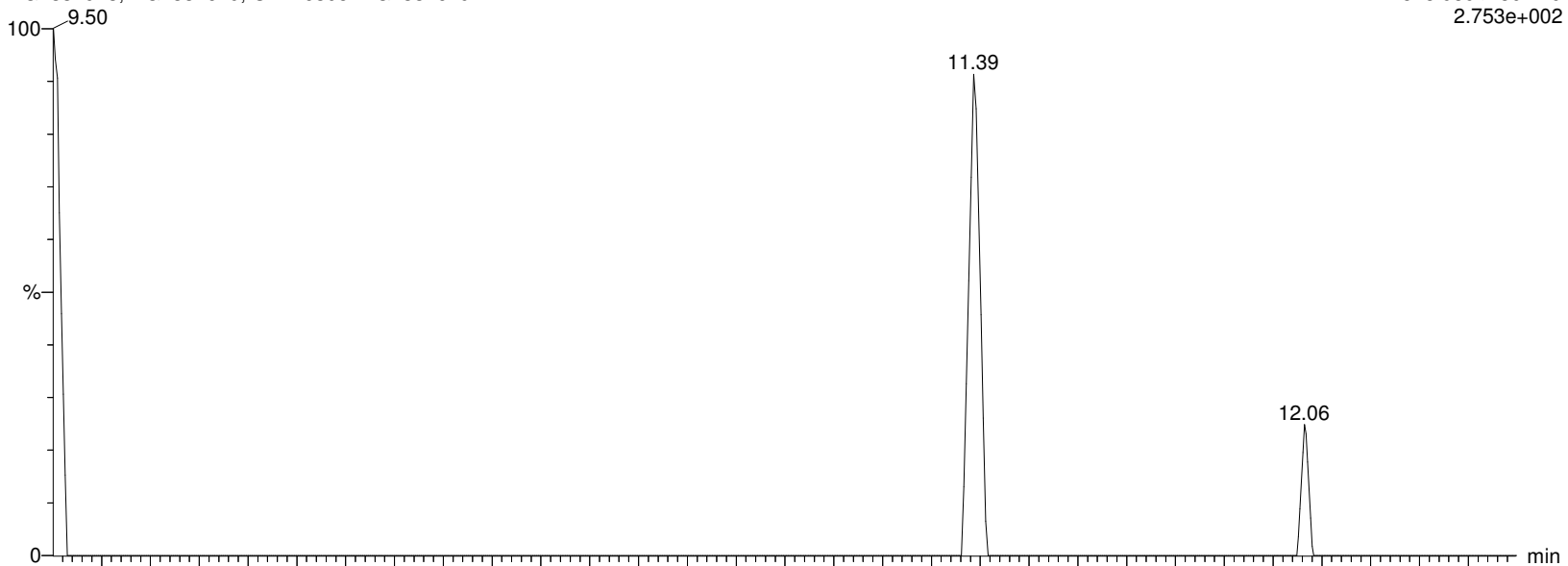
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F43:MRM of 2 channels, ES-

548.989 > 80.249

2.753e+002



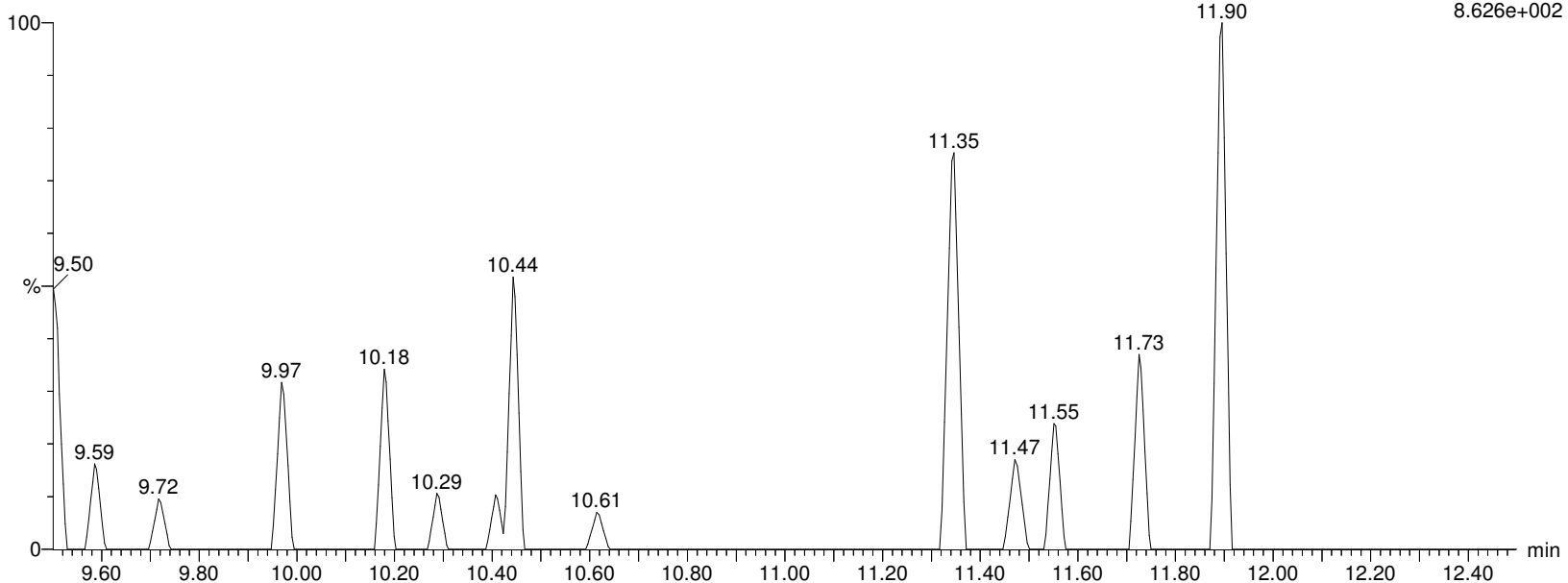
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F43:MRM of 2 channels, ES-

548.989 > 99.22

8.626e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913,WG1334679,ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d3-NMeFOSAA**

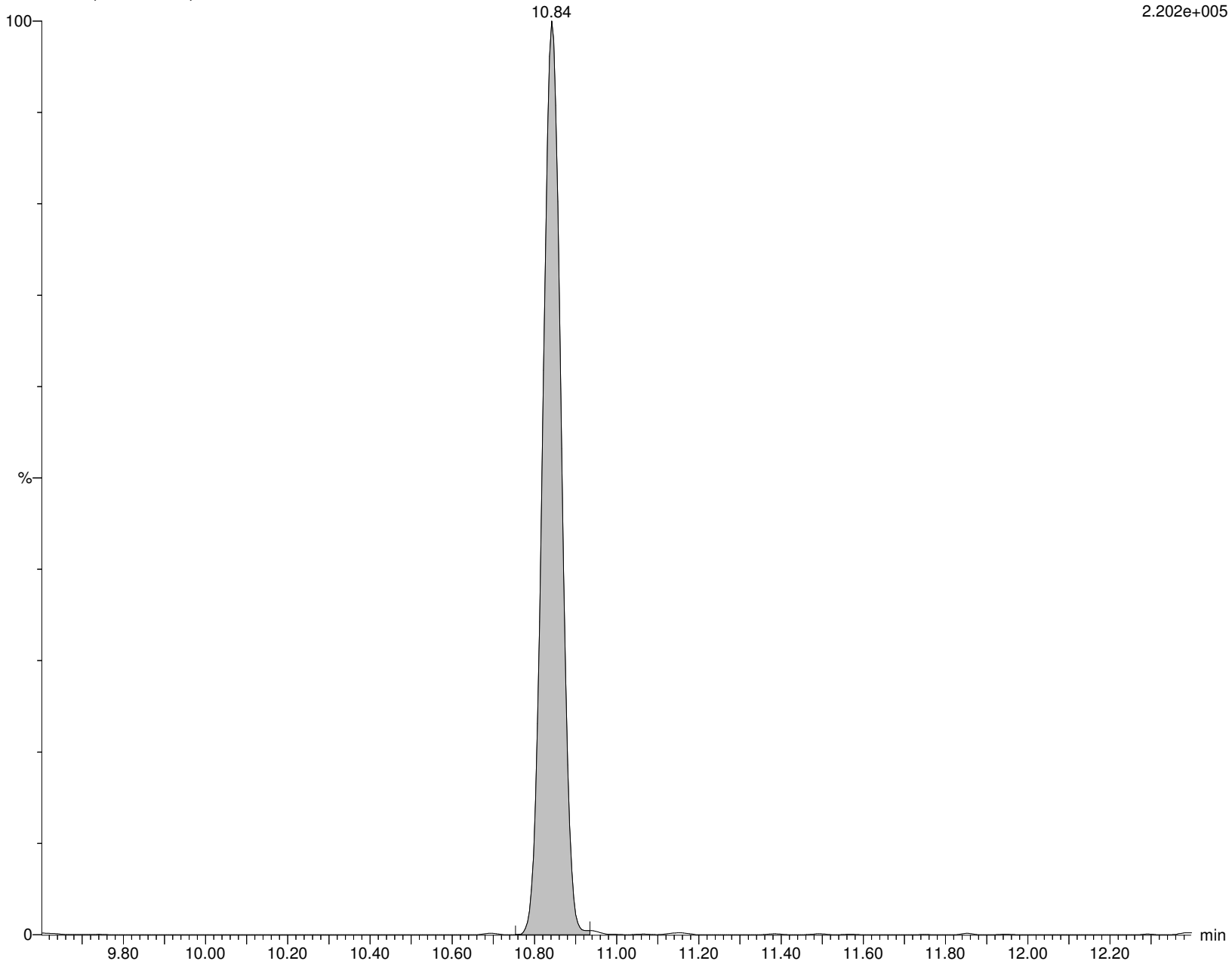
I18703 Smooth(Mn,2x3)

WG1337913,WG1334679,ICAL16305 WG1334679-4

F47:MRM of 1 channel,ES-

573.096 > 418.987

2.202e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NMeFOSAA

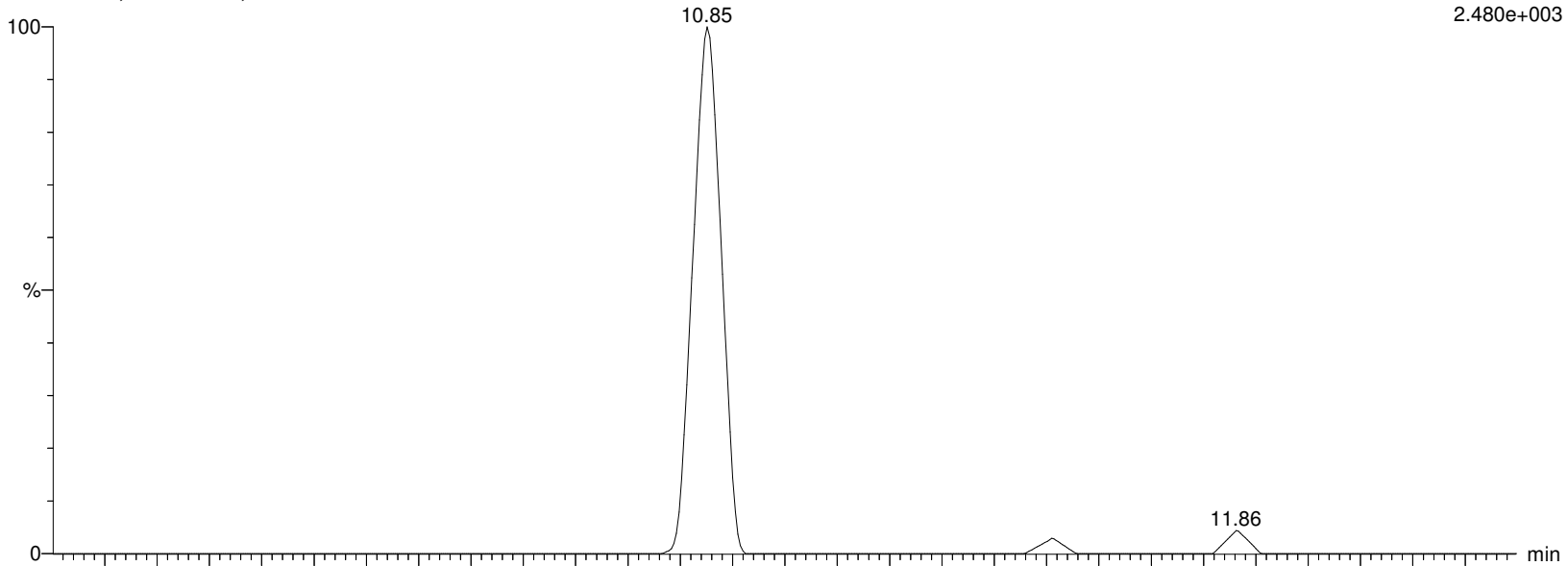
I18703 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.480e+003



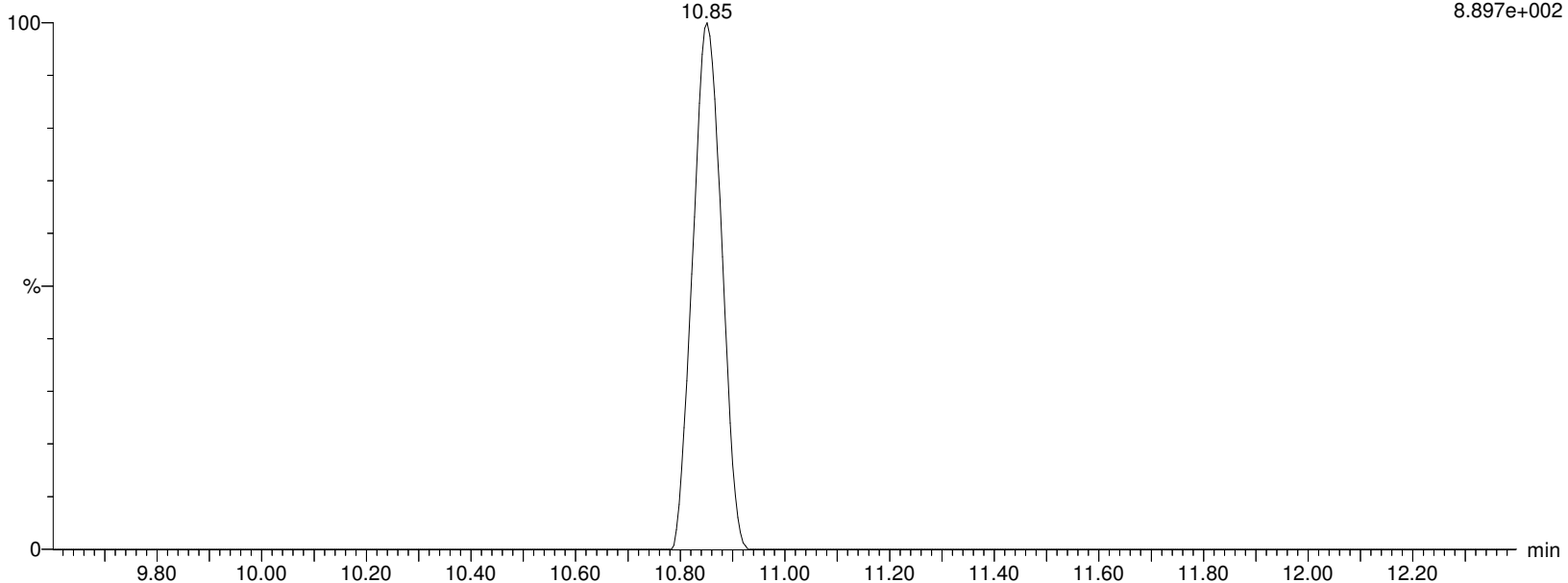
I18703 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.897e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

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L-NMeFOSAA

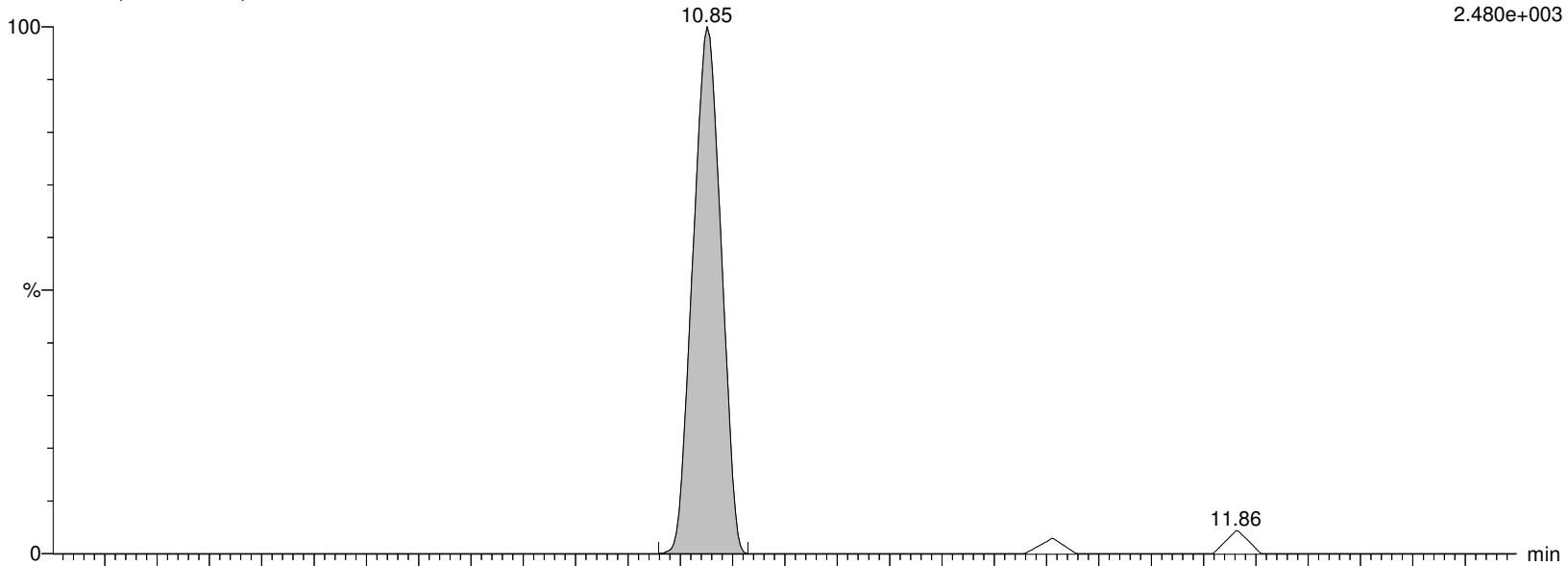
I18703 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F45:MRM of 2 channels, ES-

570.053 > 418.917

2.480e+003



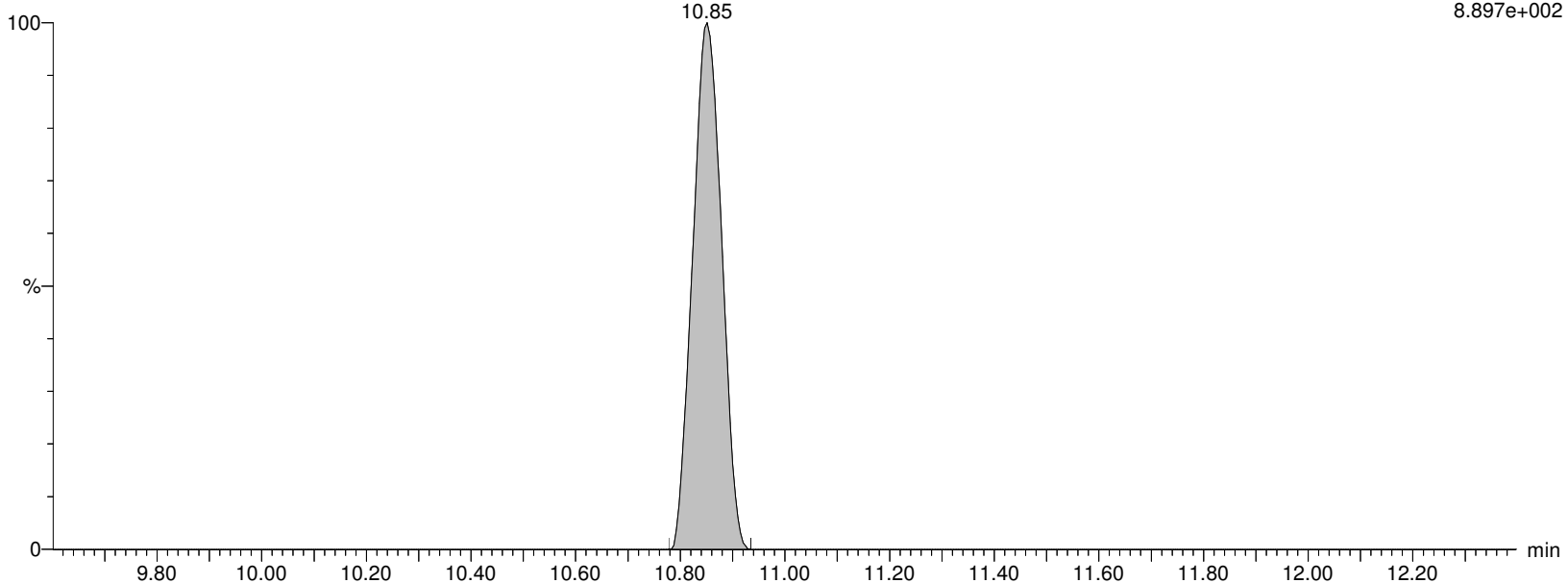
I18703 Smooth(Mn,2x5)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F45:MRM of 2 channels, ES-

569.862 > 482.77

8.897e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913,WG1334679,ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

NMeFOSAA

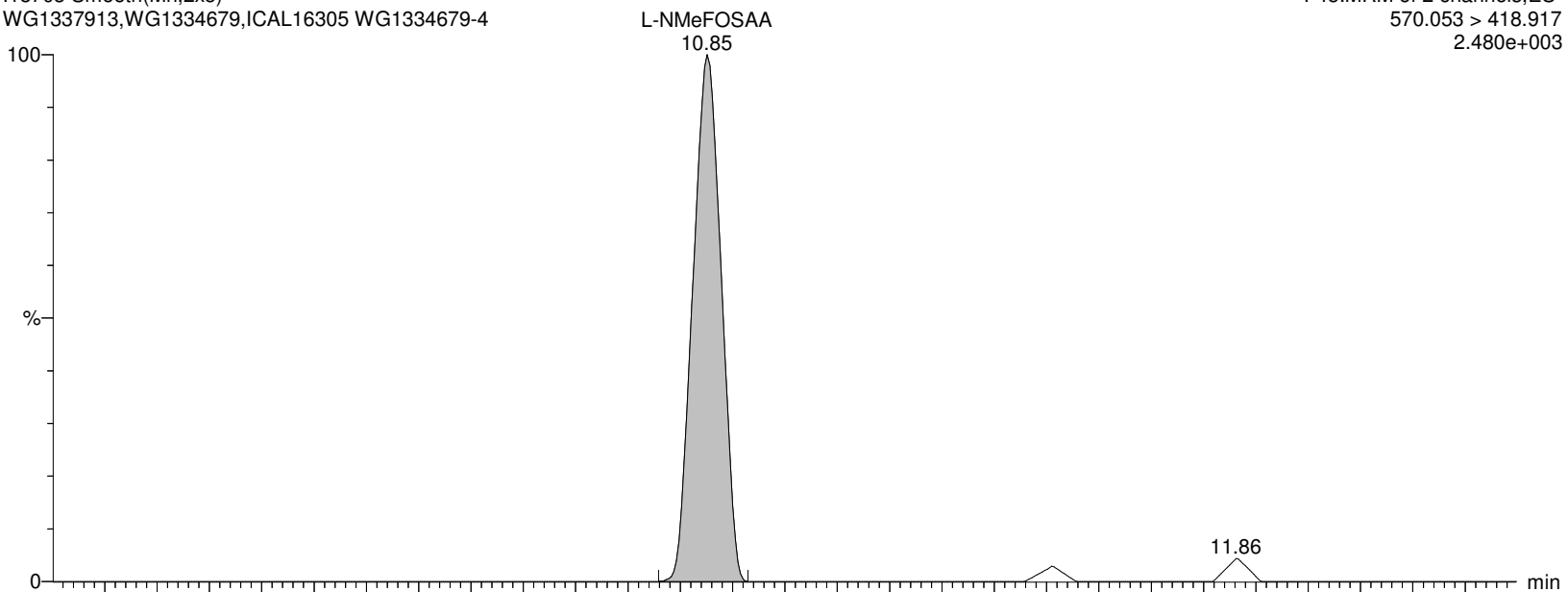
I18703 Smooth(Mn,2x5)

WG1337913,WG1334679,ICAL16305 WG1334679-4

F45:MRM of 2 channels,ES-

570.053 > 418.917

2.480e+003



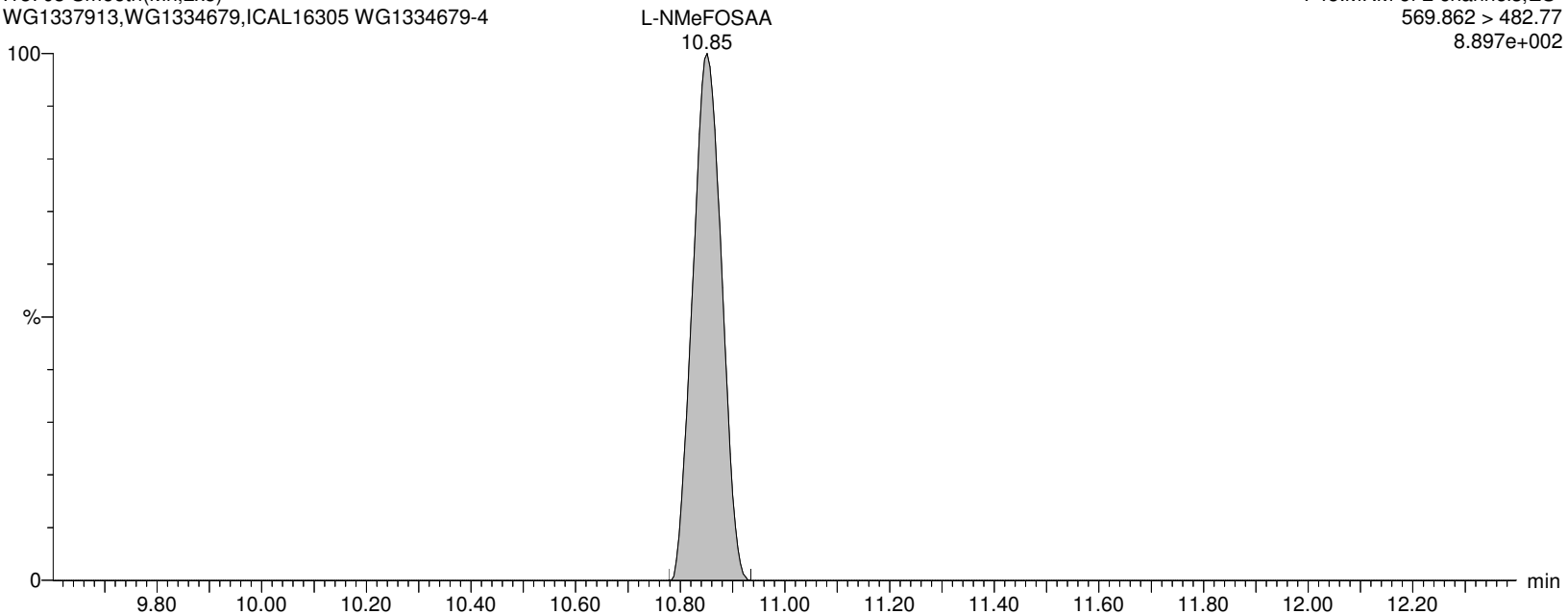
I18703 Smooth(Mn,2x5)

WG1337913,WG1334679,ICAL16305 WG1334679-4

F45:MRM of 2 channels,ES-

569.862 > 482.77

8.897e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFUnA

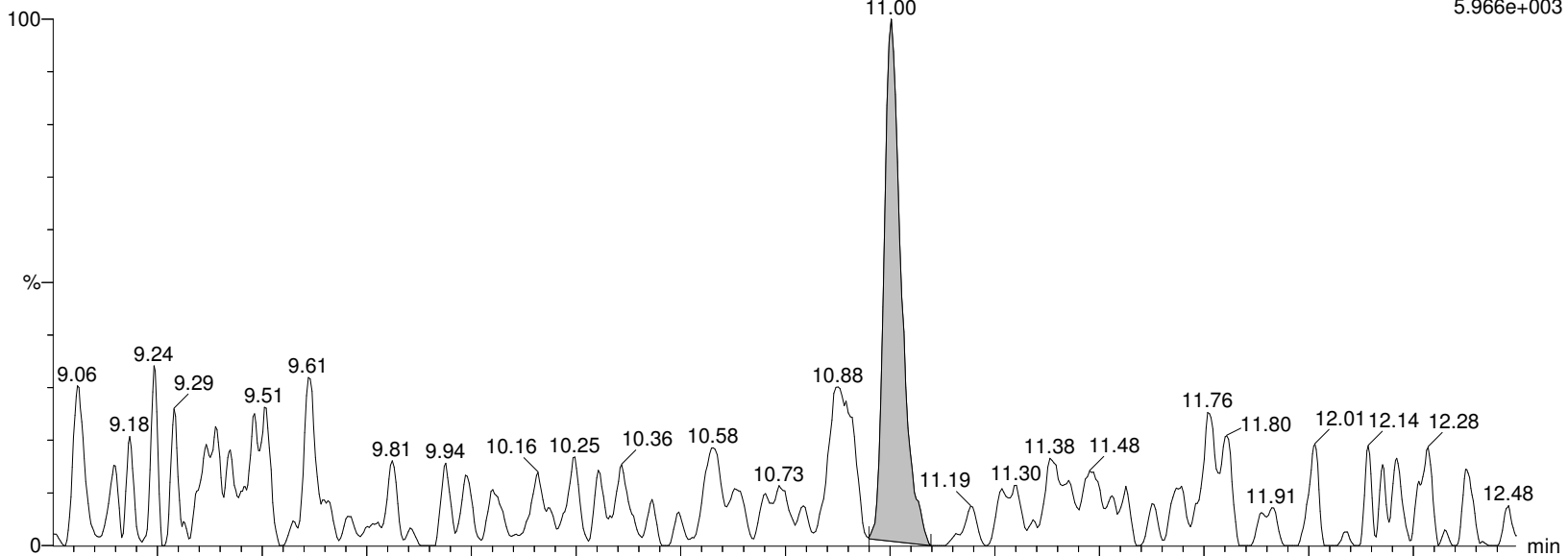
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F44:MRM of 2 channels, ES-

562.989 > 518.903

5.966e+003



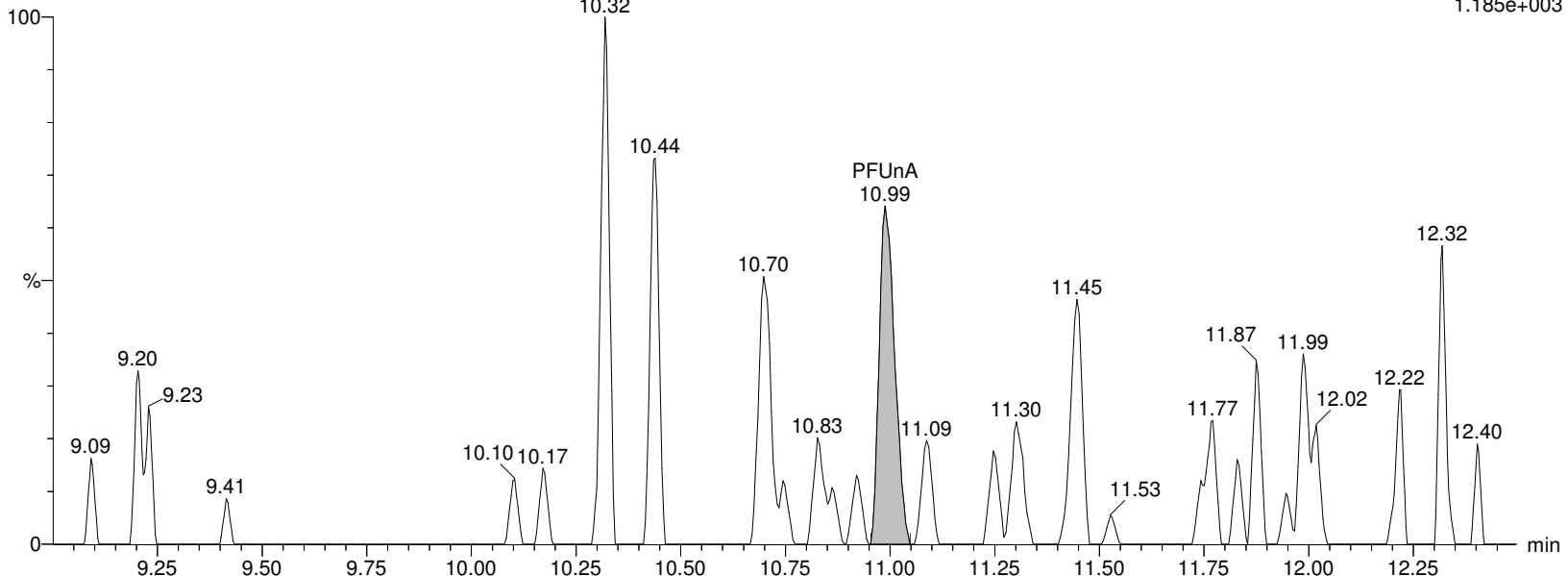
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F44:MRM of 2 channels, ES-

562.989 > 269.01

1.185e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M7-PFUDA**

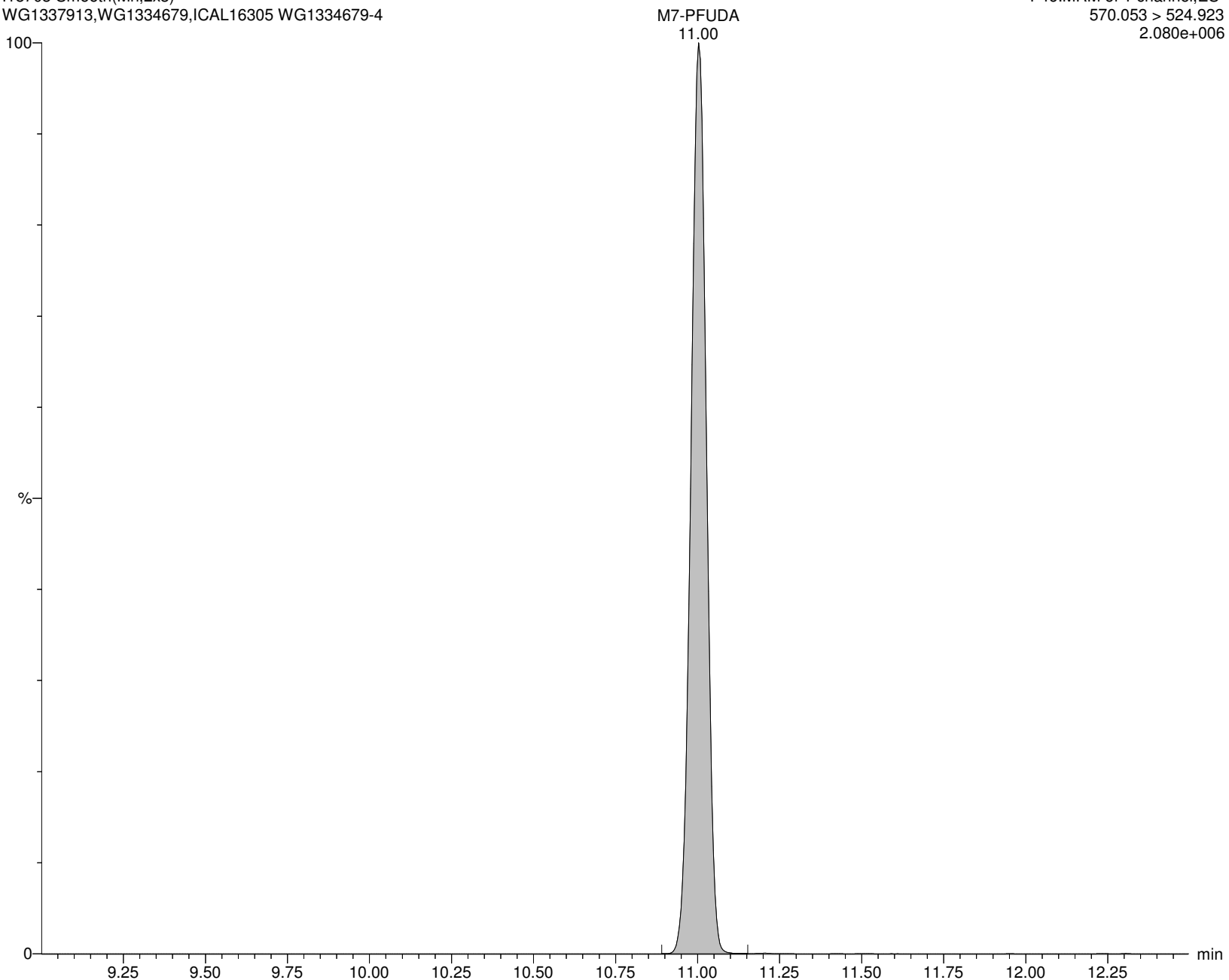
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F46:MRM of 1 channel, ES-

570.053 > 524.923

2.080e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****PFDS**

I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F50:MRM of 2 channels, ES-

598.926 > 80.314

1.879e+002



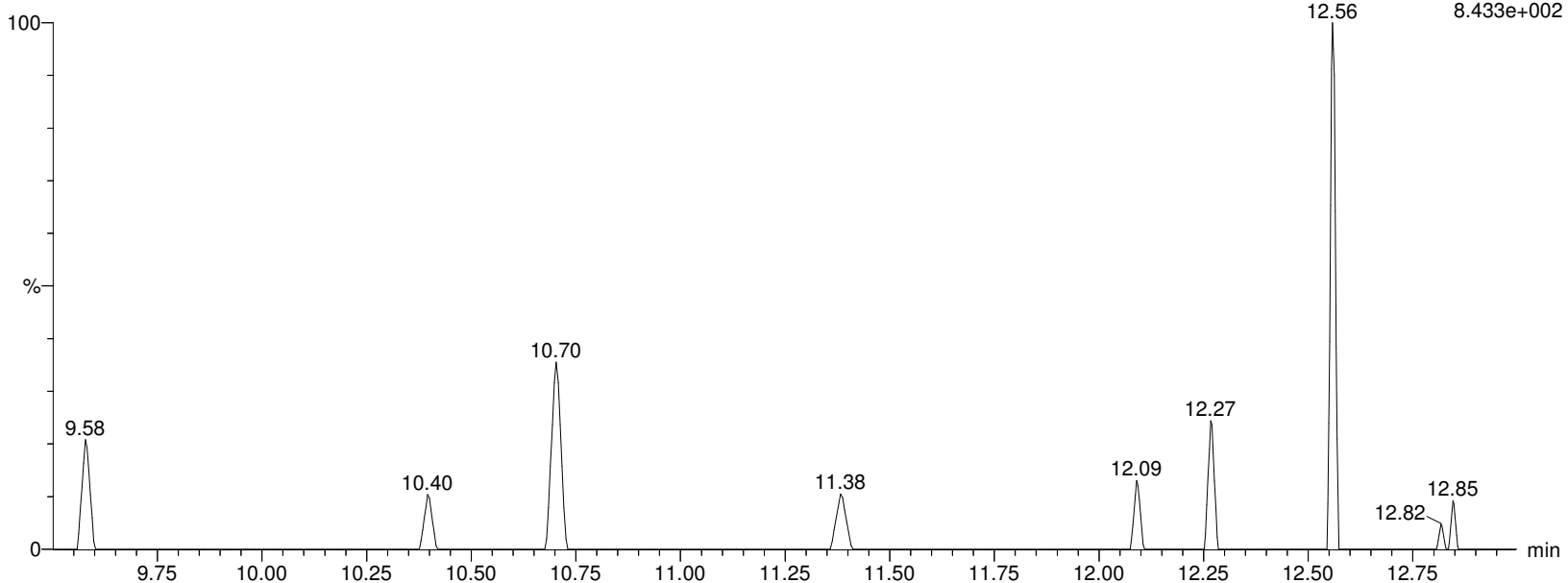
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F50:MRM of 2 channels, ES-

598.926 > 99.22

8.433e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703

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Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

FOSA

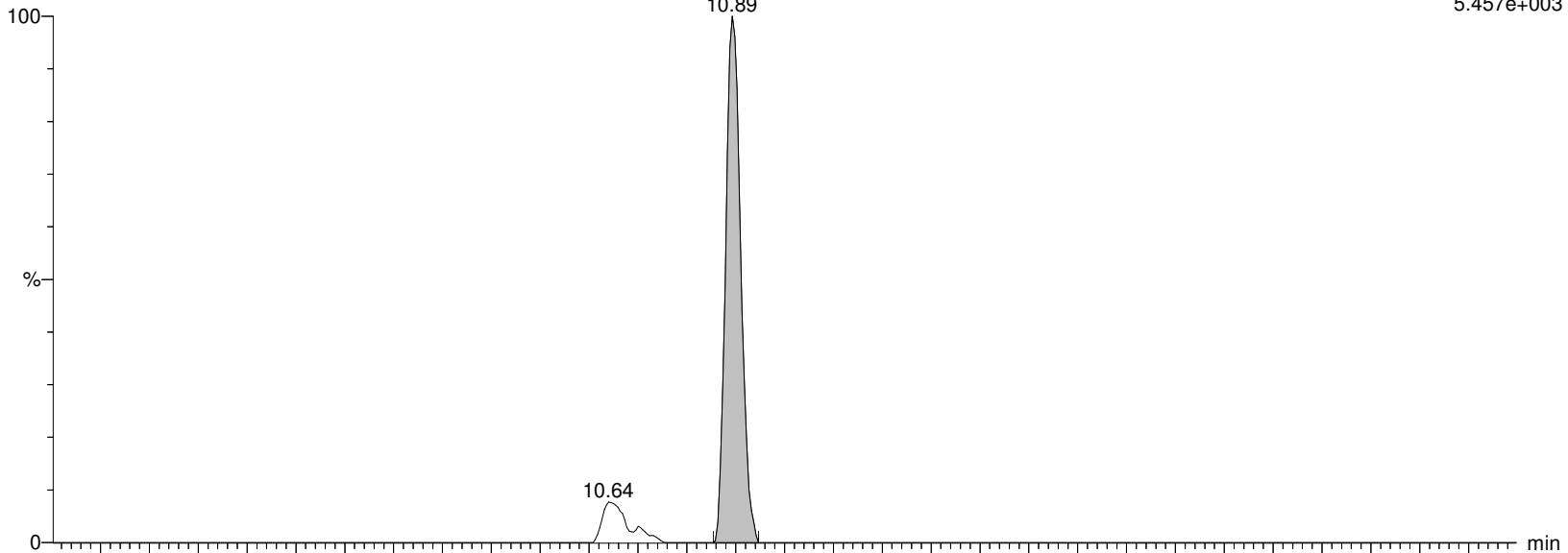
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F28:MRM of 2 channels, ES-

497.989 > 78.245

5.457e+003



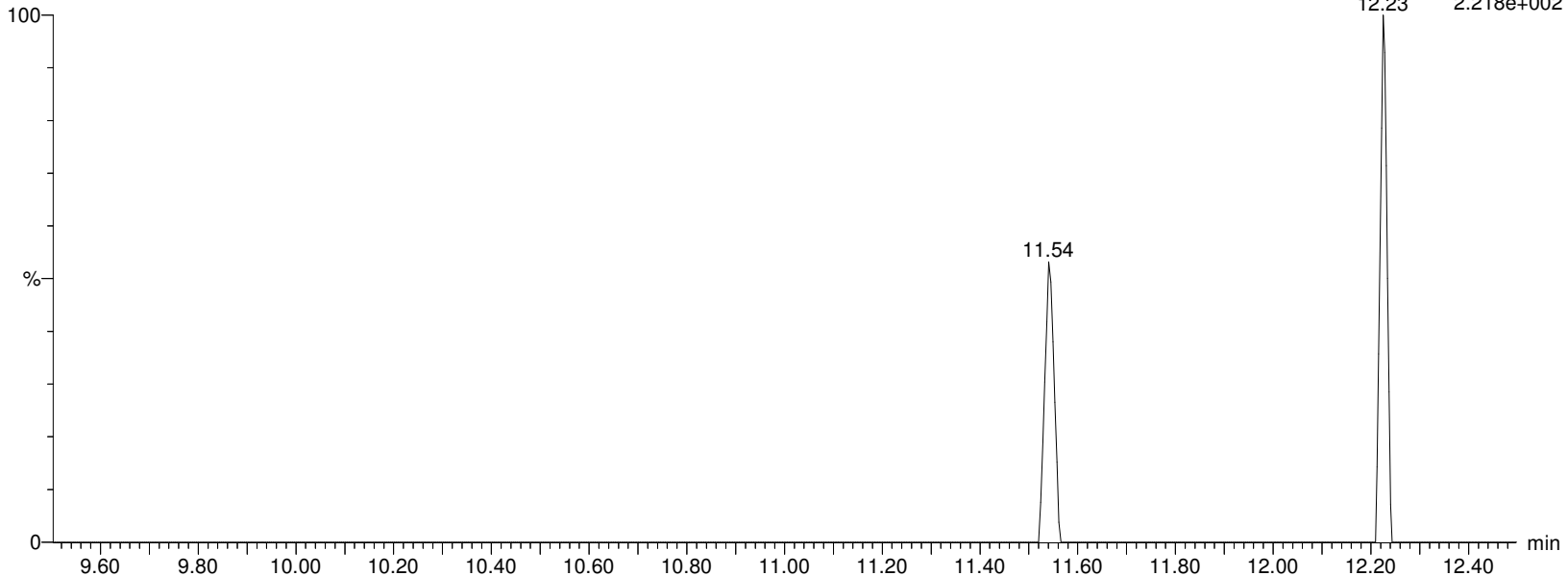
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F28:MRM of 2 channels, ES-

497.989 > 168.854

2.218e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M8FOSA**

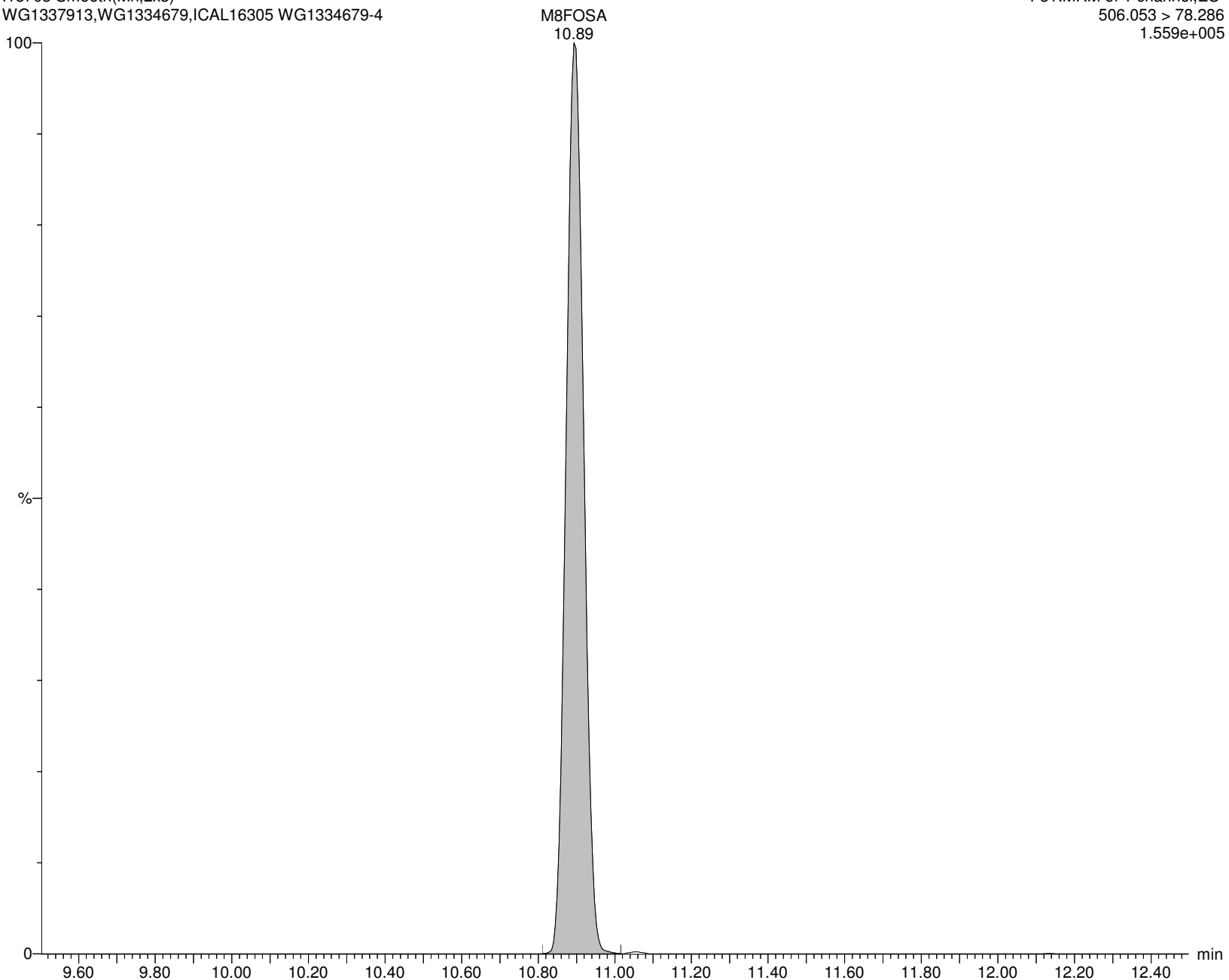
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F31:MRM of 1 channel, ES-

506.053 > 78.286

1.559e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****d5-NEtFOSAA**

I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

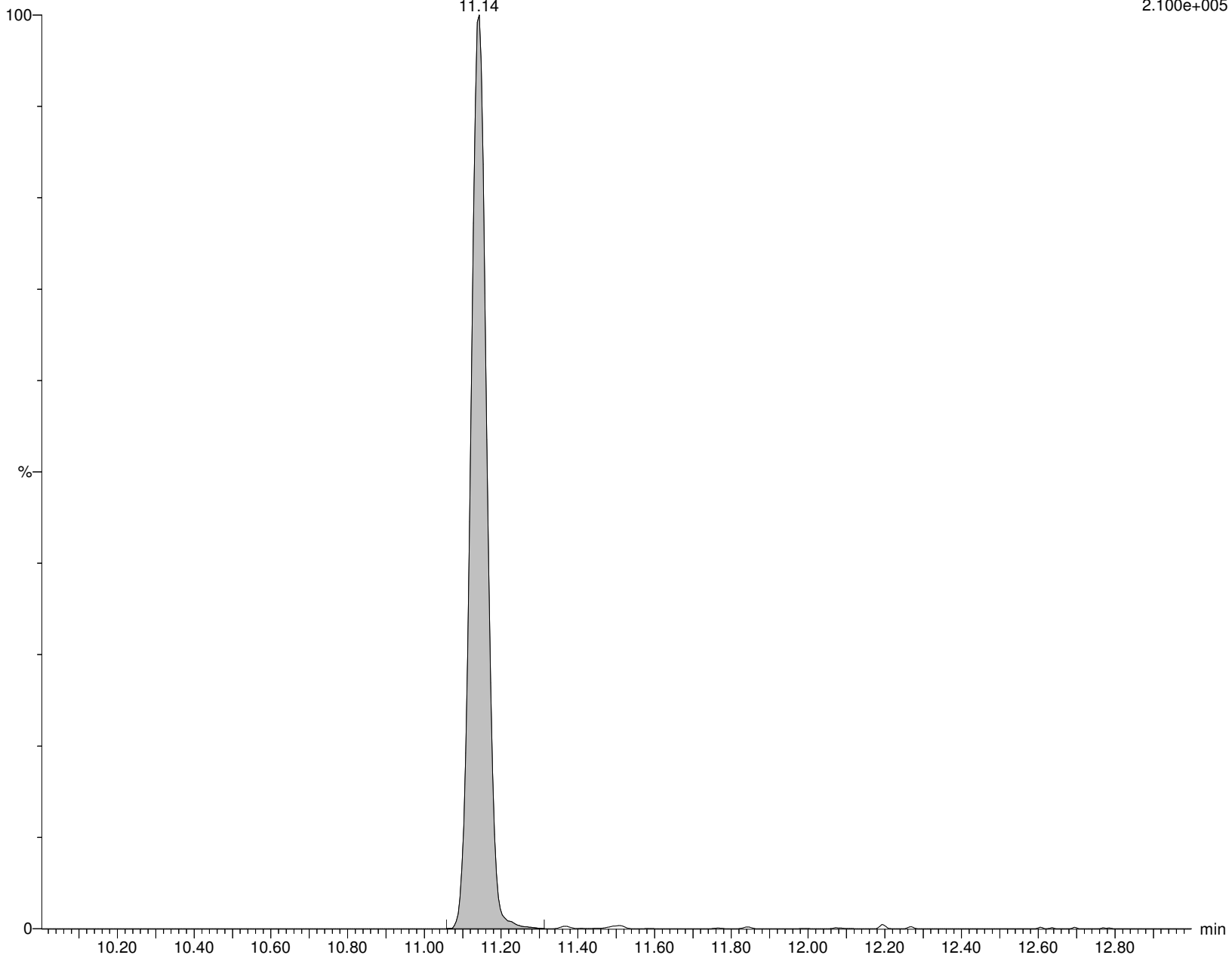
d5-NEtFOSAA

11.14

F49:MRM of 1 channel, ES-

589.117 > 418.929

2.100e+005



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

br-NEtFOSAA

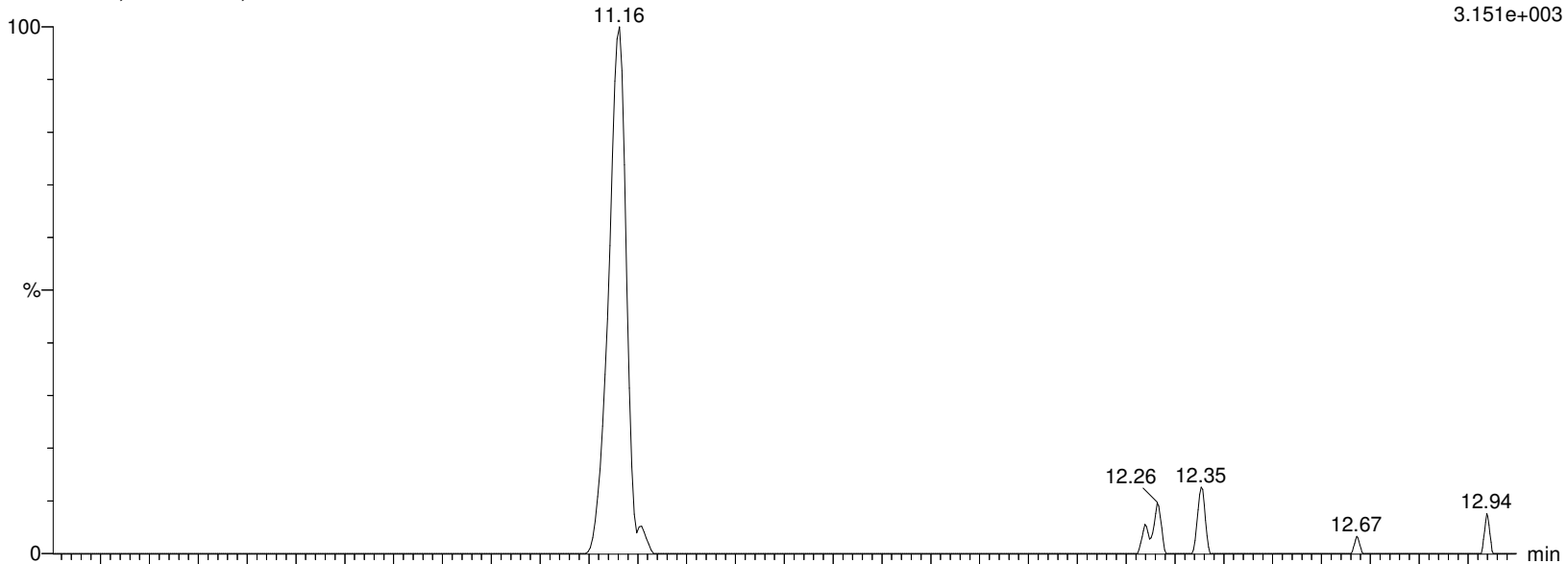
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.151e+003



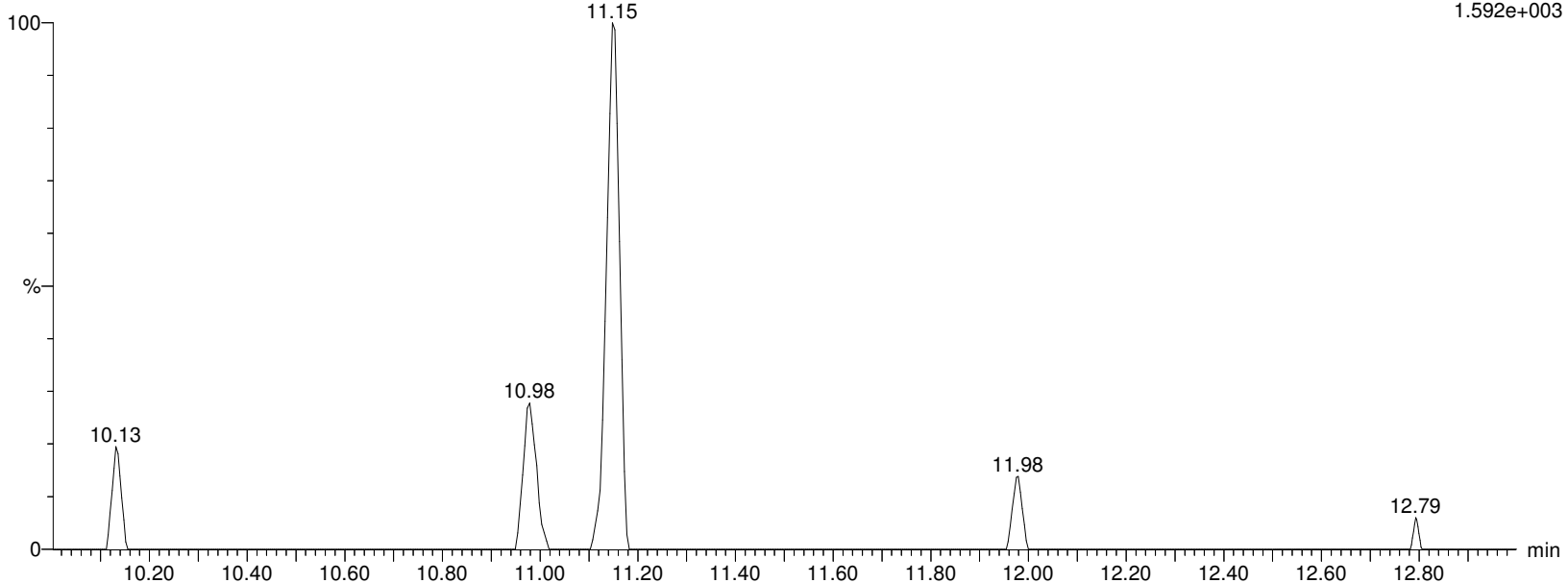
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.592e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

L-NEtFOSAA

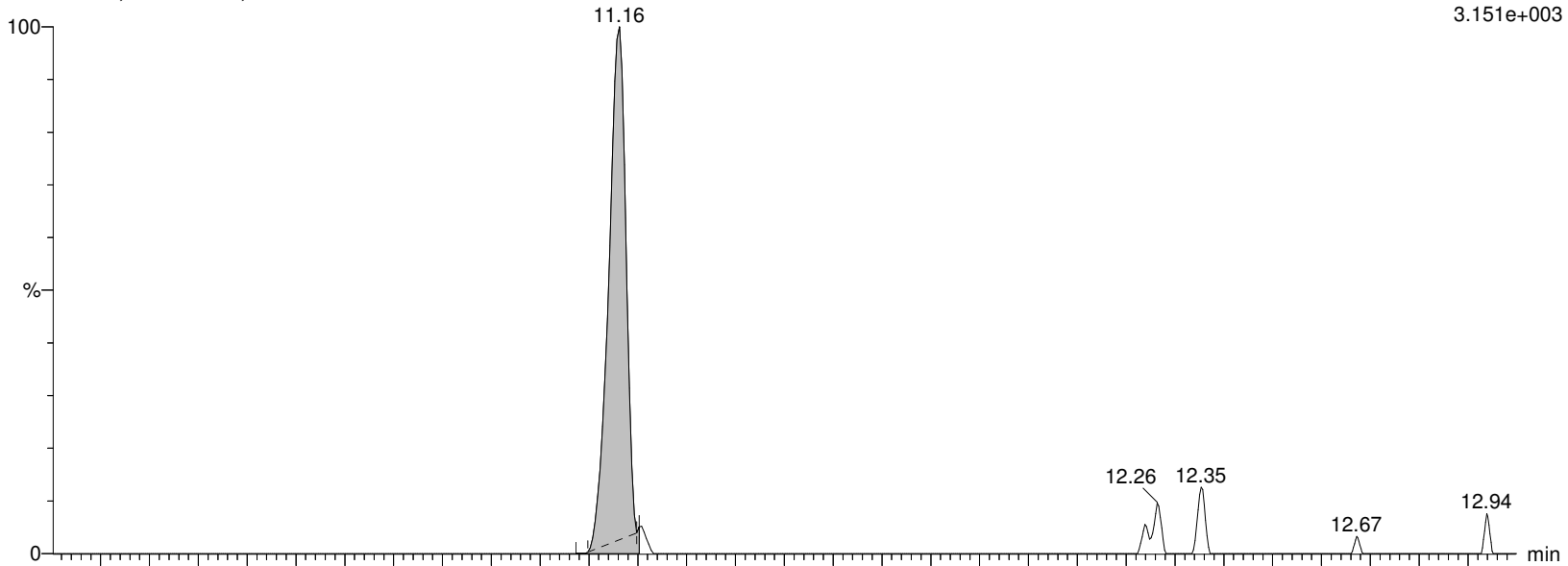
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.151e+003



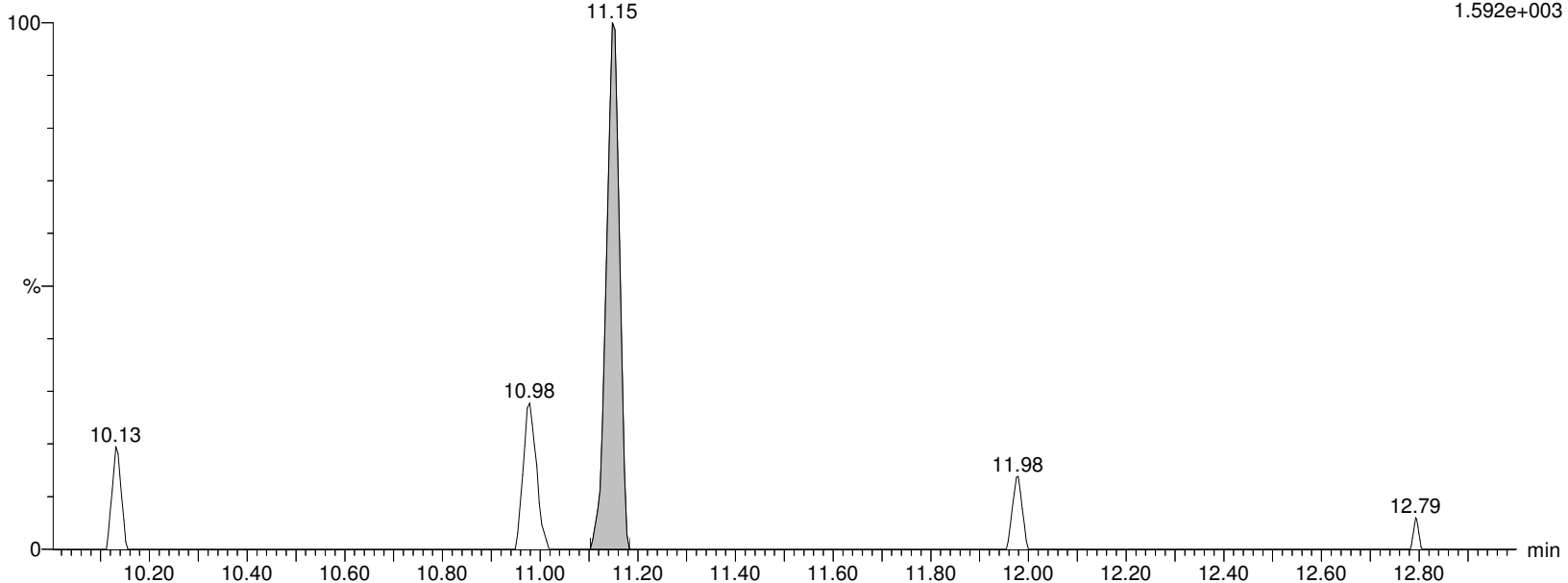
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.592e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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ID: WG1334679-4

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Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

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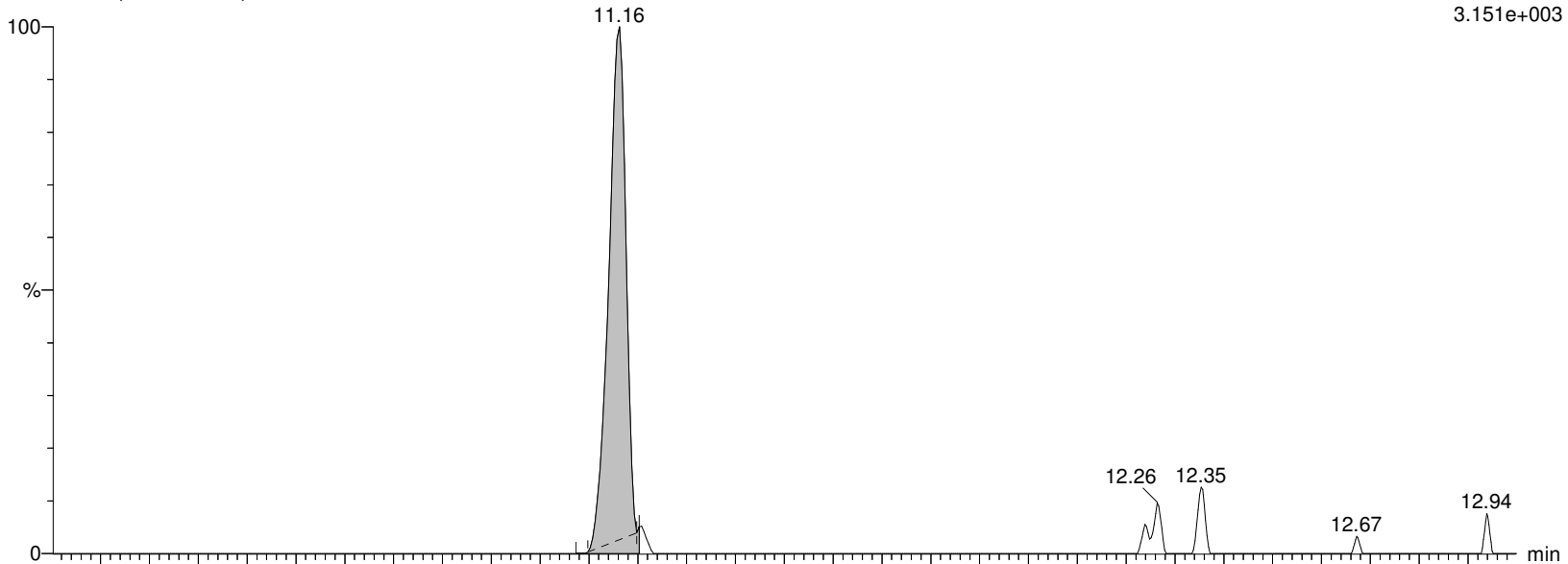
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 418.927

3.151e+003



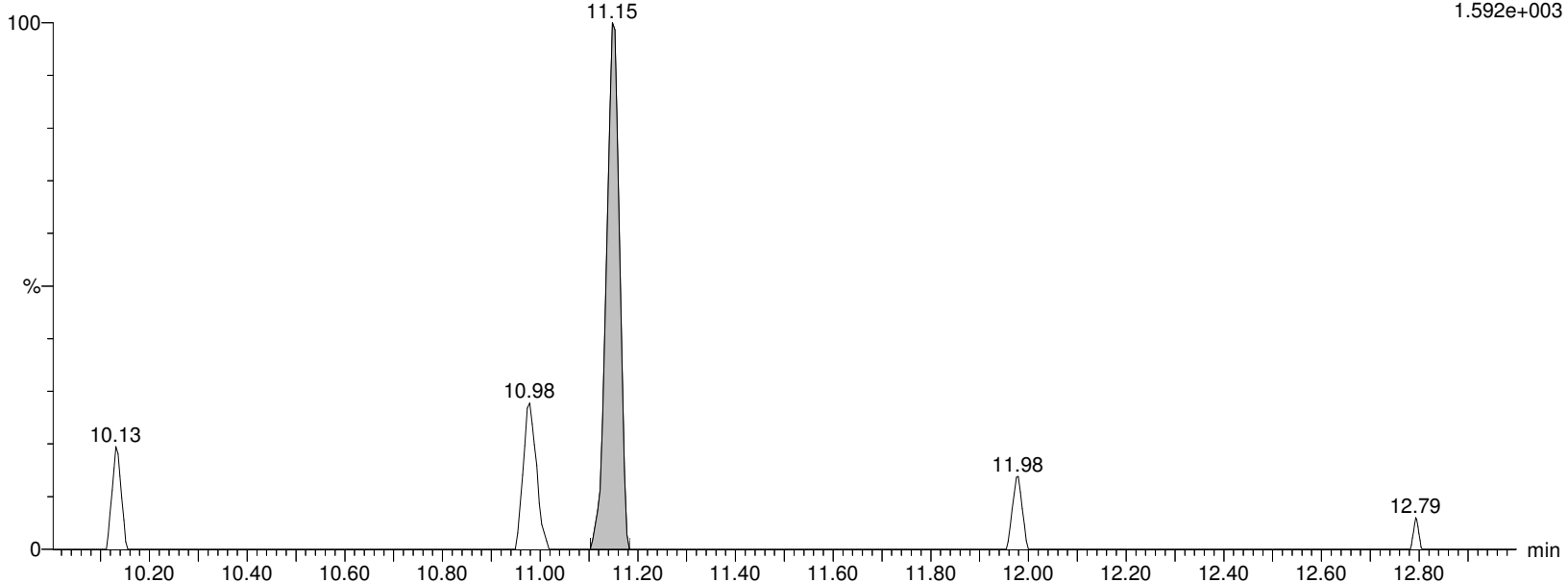
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F48:MRM of 2 channels, ES-

583.989 > 482.88

1.592e+003



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFDoA

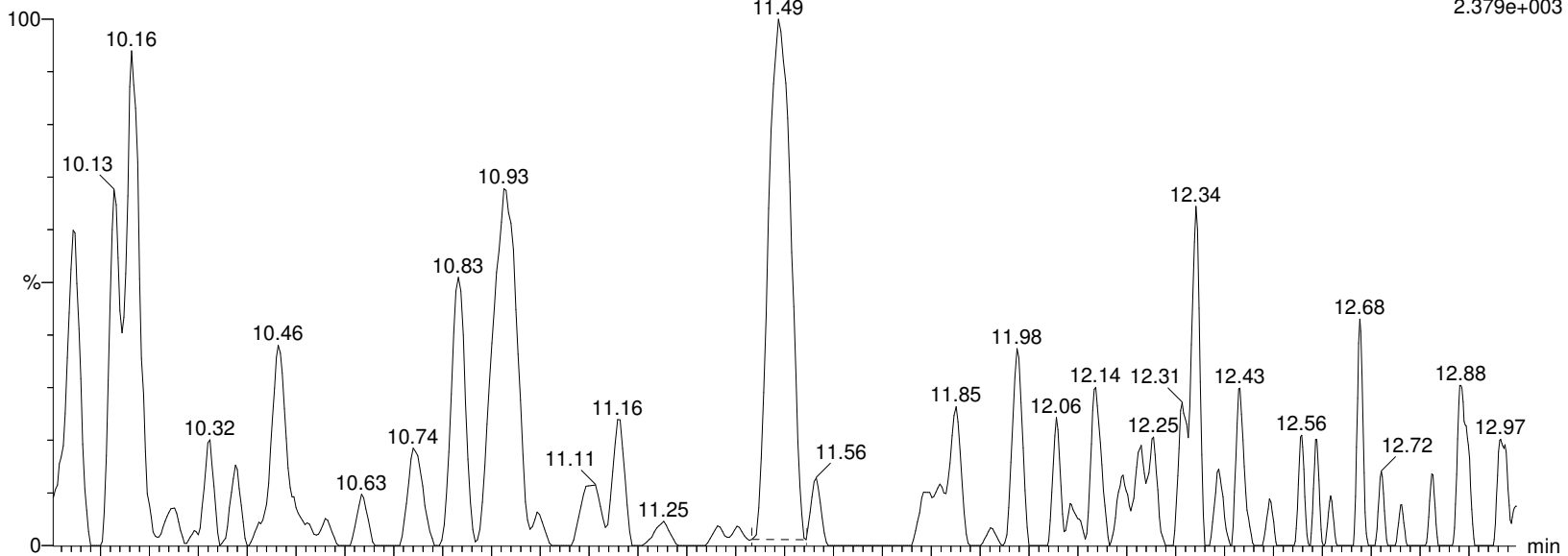
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F51:MRM of 2 channels, ES-

612.989 > 568.967

2.379e+003



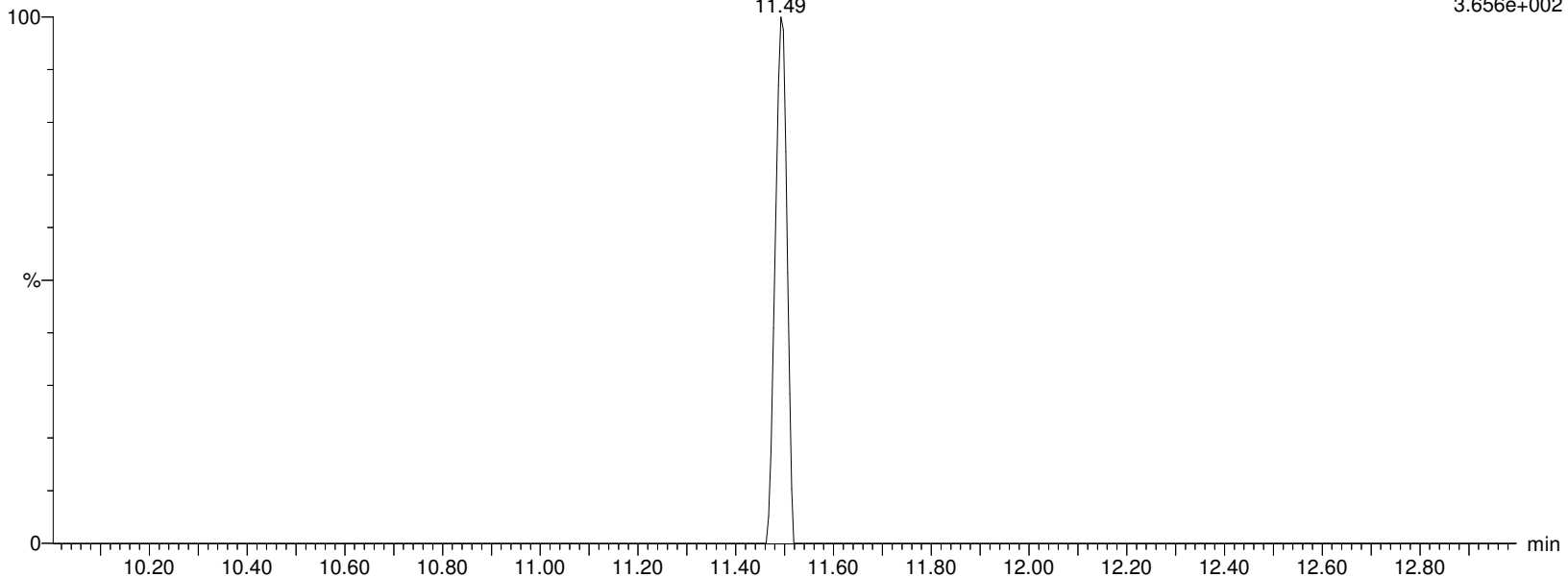
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F51:MRM of 2 channels, ES-

612.989 > 219.08

3.656e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****MPFDOA**

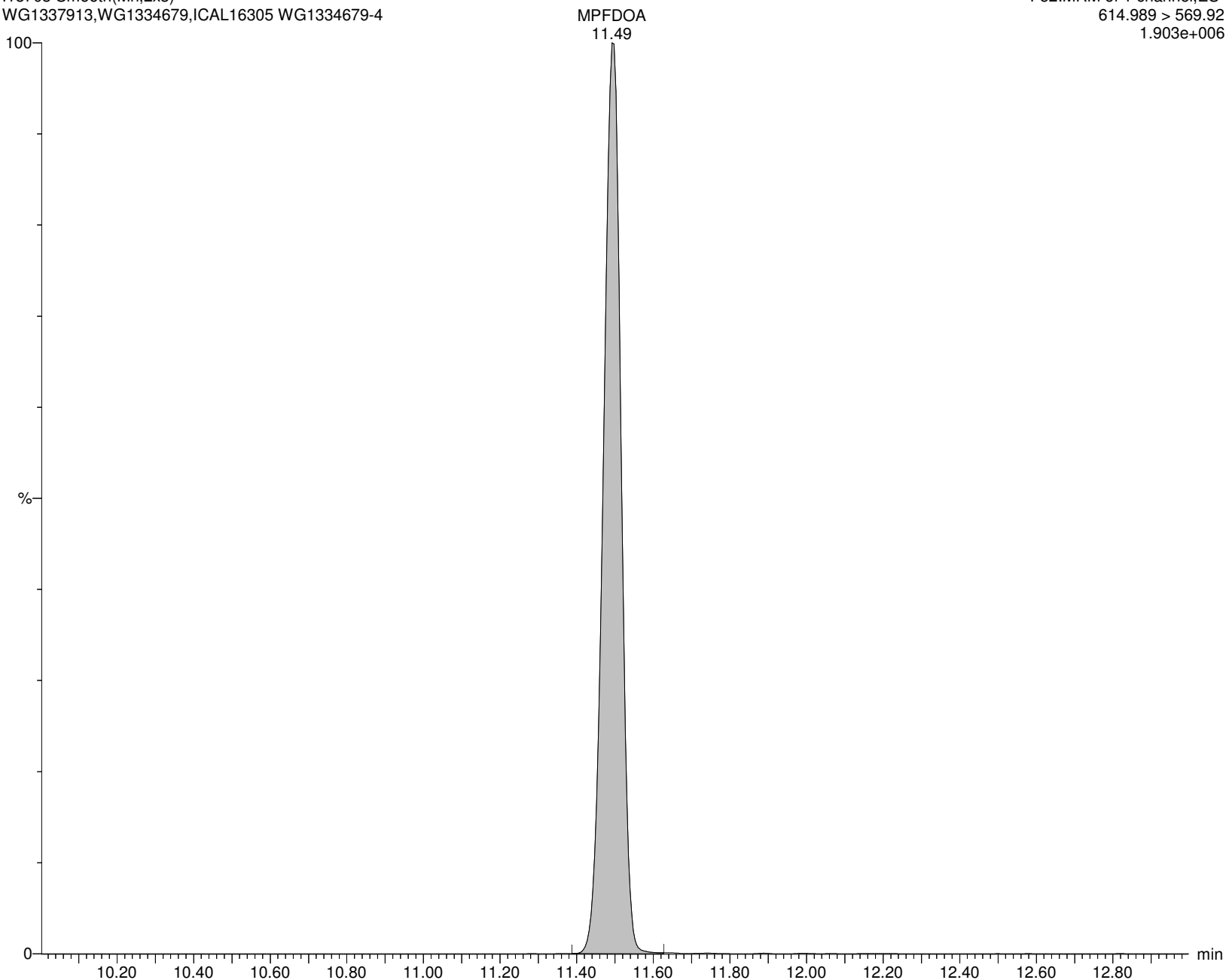
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F52:MRM of 1 channel, ES-

614.989 > 569.92

1.903e+006



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

Printed: Saturday, February 08, 2020 23:16:09 Eastern Standard Time

Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

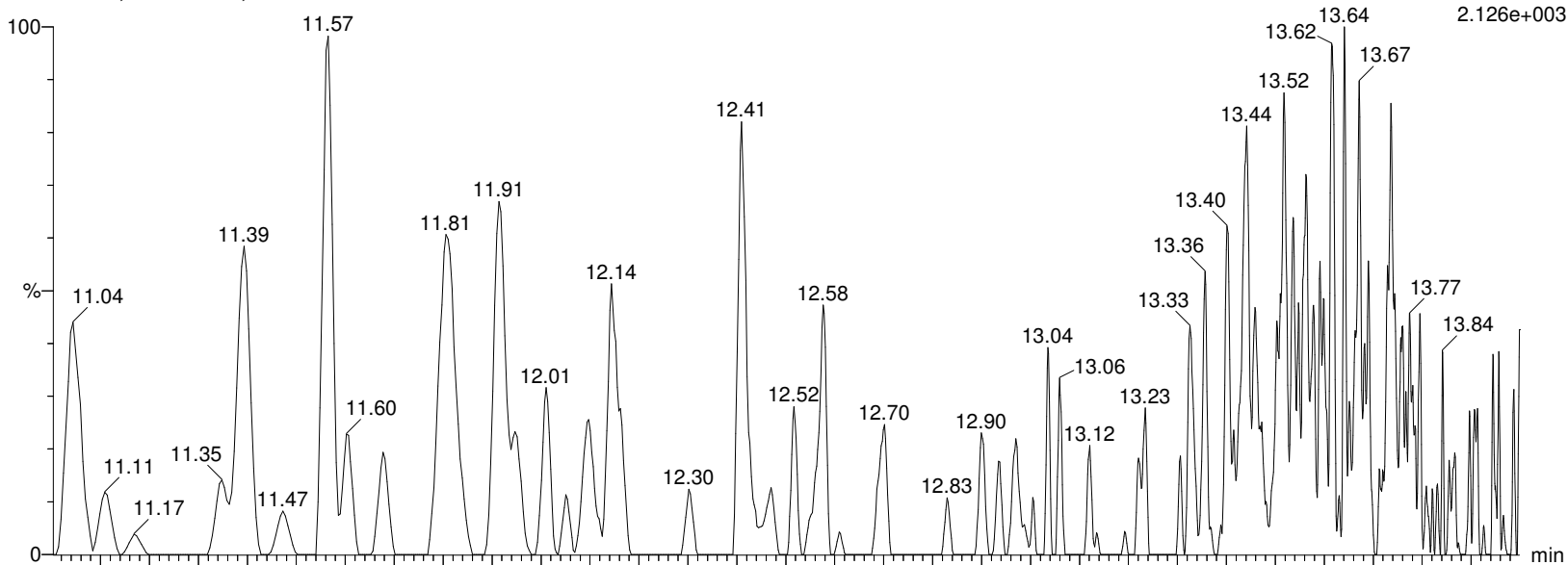
Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTTrDA

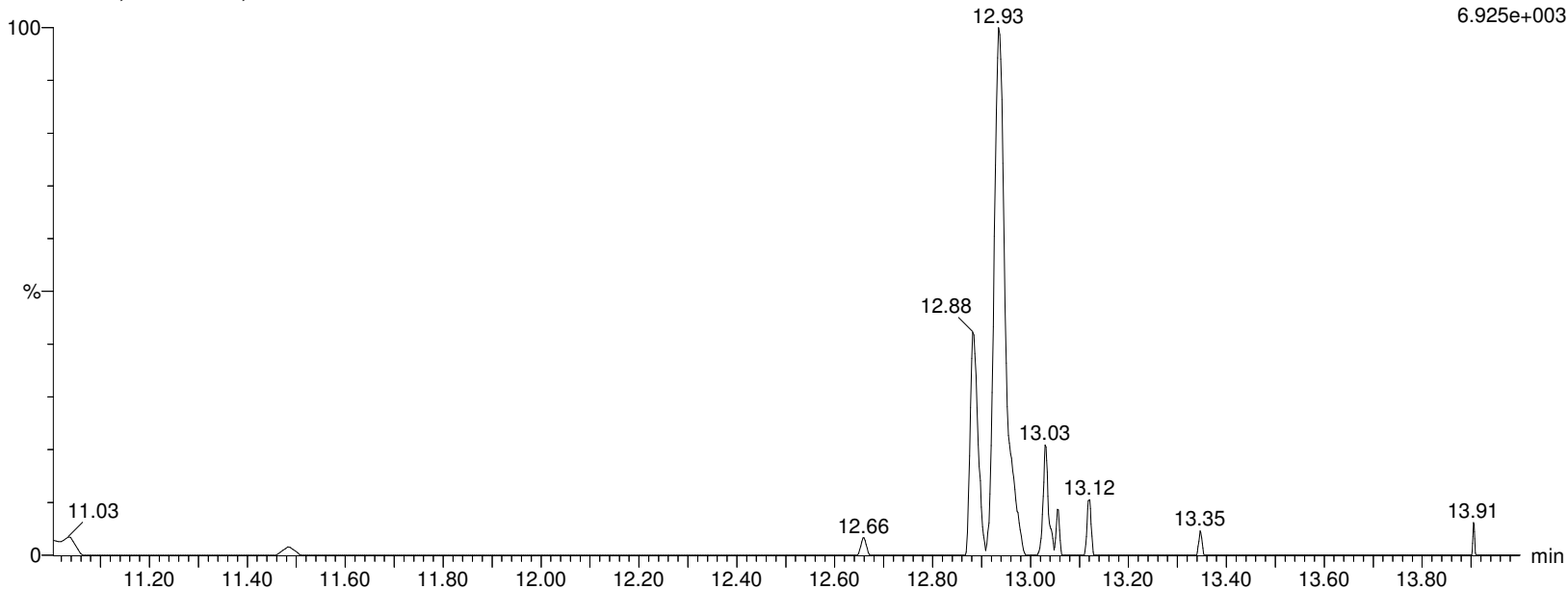
I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4



I18703 Smooth(Mn,2x2)

WG1337913, WG1334679, ICAL16305 WG1334679-4



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

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Name: I18703

ID: WG1334679-4

Date: 07-Feb-2020

Time: 07:02:23

Description: WG1337913, WG1334679, ICAL16305

User: LCMS02:JW

Vial: 2:B,7

Instrument: XEVO-TQSmicro#QEB0050

Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B

Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR

MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

PFTA

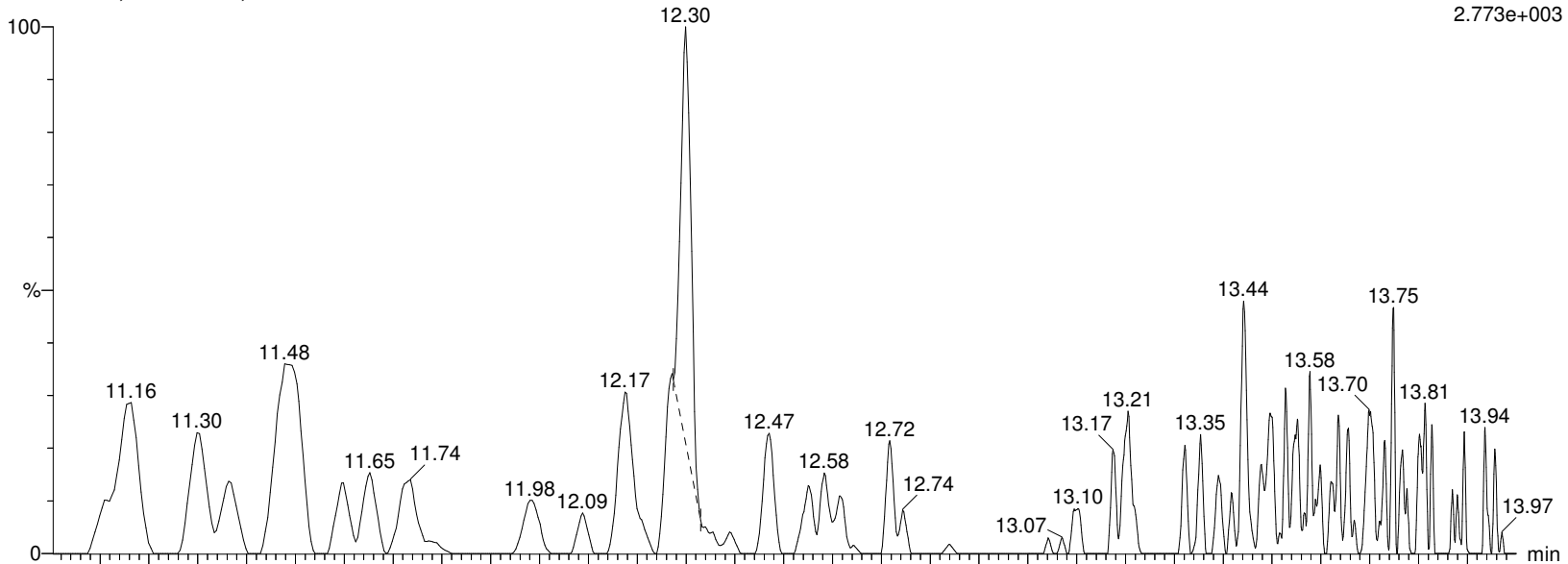
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F61:MRM of 2 channels, ES-

713.053 > 668.976

2.773e+003



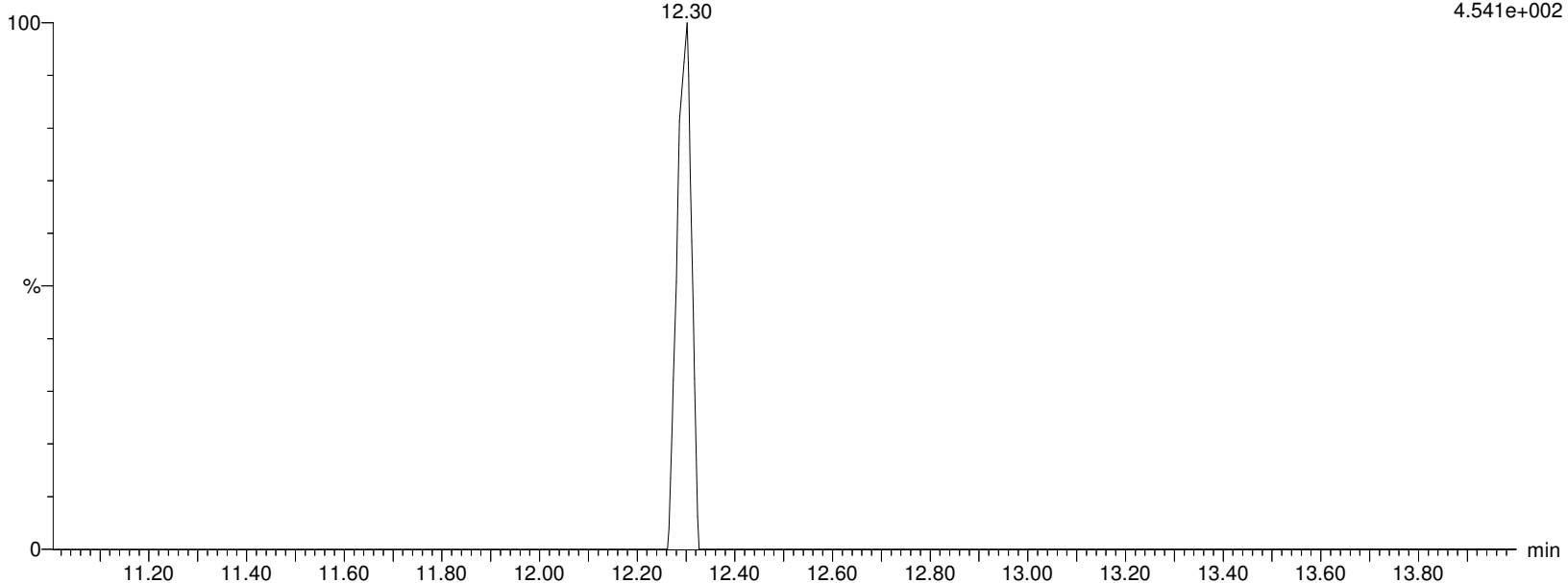
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F61:MRM of 2 channels, ES-

713.053 > 219.09

4.541e+002



Alpha Analytical Inc.

Dataset: C:\MassLynx\Data\2020\200206_537ISO.PRO\Data\WG1337913D.qld

Last Altered: Saturday, February 08, 2020 23:13:00 Eastern Standard Time

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Name: I18703**ID: WG1334679-4****Date: 07-Feb-2020****Time: 07:02:23****Description: WG1337913, WG1334679, ICAL16305****User: LCMS02:JW****Vial: 2:B,7****Instrument: XEVO-TQSmicro#QEB0050****Inlet Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\LCMS_537_ISO_B****Tune Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\181009_TUNE.IPR****MS Method Name: C:\MassLynx\Data\2020\200206_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP****M2PFTEDA**

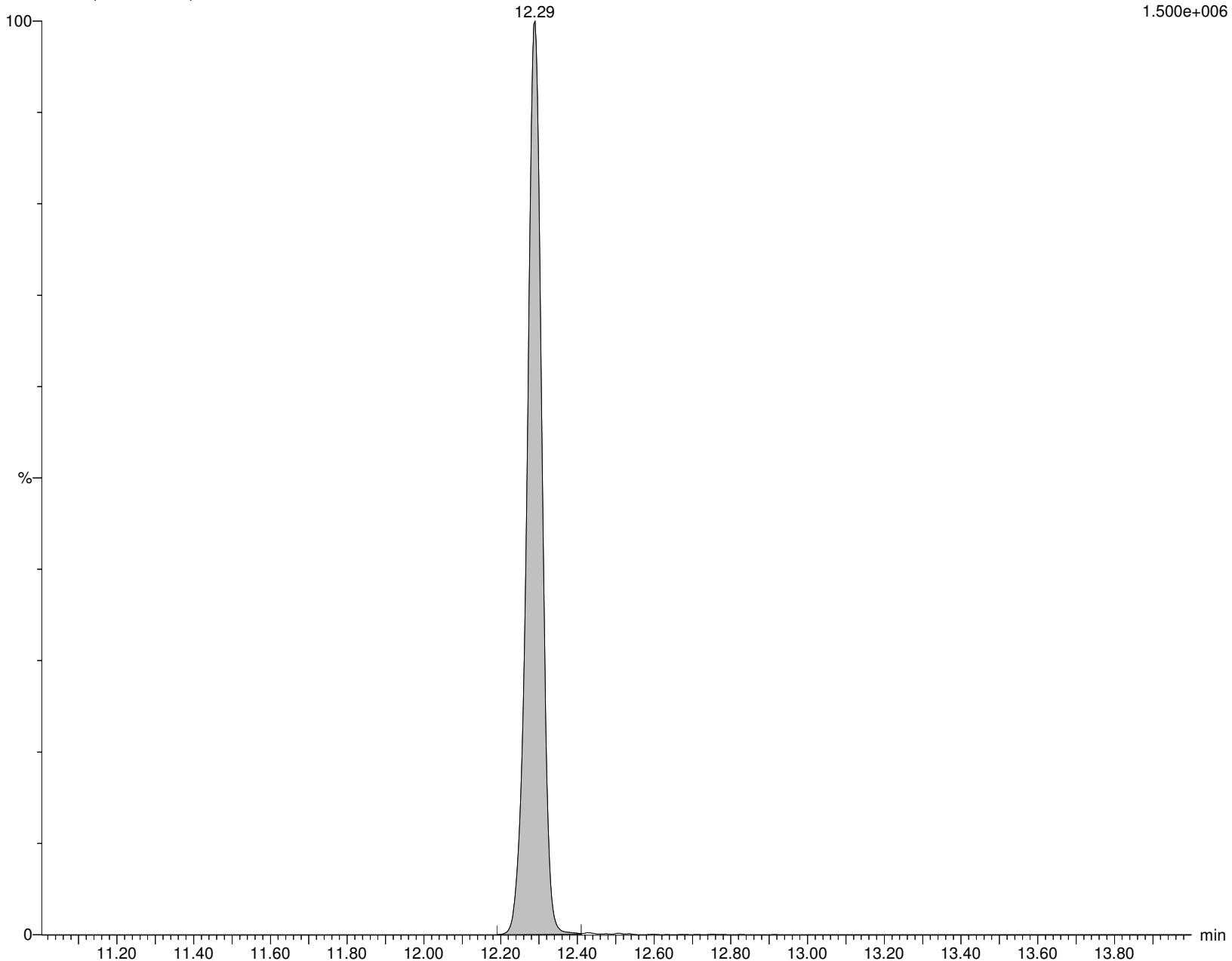
I18703 Smooth(Mn,2x3)

WG1337913, WG1334679, ICAL16305 WG1334679-4

F62:MRM of 1 channel, ES-

715.053 > 669.945

1.500e+006



Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc}) (\text{Vf}) (\text{DF})}{(\text{Vi})} \times 1000$$

where:

Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.

Vf = Final volume of extract (mL)

Vi= Volume of sample extracted (mL)

DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc}) (\text{Vf}) (\text{DF})}{(\text{W}) (\% \text{S})}$$

where:

Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.

Vf = Final volume of extract (mL)

W= Aliquot of sample (wet), g

DF= Dilution factor

%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 09 2020, 07:02 am

Work Group: WG1337913 for Department: 32 GC/MS - Semivolatiles

Created: 06-FEB-20 Due: Operator: JW

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1961750-02	RO-REJECT-NS B 40H	S A2-537-ISOTOPE-36	WATER	DONE	U	0109	0210	S0	537ISET
L2000982-01	CONDENSATE	S A2-NH-537-ISOTOPE-9	WATER	DONE	U	0121	0220	S0	Plastic-A.25
L2000982-02	CONDENSATE FB	S A2-NH-537-ISOTOPE-9	WATER	DONE	U	0121	0220	S0	Plastic-A.25
L2001248-05	2001-00898 005 FIELD BLANK	S A2-537-ISOTOPE	WATER	DONE	U	0123	0207	S0	537ISET
L2001310-01	MW 2.1S	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001310-02	MW 103 S	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001310-03	DUP	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001310-04	TB4	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001310-05	FB	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001310-06	EQUIPMENT BLANK	S A2-NY-537-ISOTOPE	WATER	DONE	U	0123	0221	S0	537ISET
L2001355-01	97-TW-17	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-02	97-TW-16	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-03	97-TW-15	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-04	97-TW-13	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-05	97-TW-14	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-06	97-TW-12	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-07	97-TW-11	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2001355-08	EB_011020	S A2-537-ISOTOPE	WATER	DONE	U	0124	0221	S0	537ISET
L2002668-01	RBPUMP_012020	S A2-537-ISOTOPE	WATER	DONE	U	0203	0210	S0	537ISET
L2002668-02	FBPUMP_012020	S A2-537-ISOTOPE	WATER	DONE	U	0203	0210	S0	537ISET
L2002745-03	FB-20200120_001	S A2-NY-537-ISOTOPE	WATER	DONE	U	0203	0217	S0	Plastic-A.25
L2002747-01	20200117-PFAAS	C A2-SPLP-537-ISOTOPE	SOIL	DONE	U	0131	0908	S0	EPlastic-A.25
L2002835-01	DWL	S A2-537-ISOTOPE	WATER	DONE	U	0129	0211	S0	537ISET
L2002835-02	ROR	S A2-537-ISOTOPE	WATER	DONE	U	0131	0211	S0	537ISET
L2002835-03	DWL+ROR+MIX	S A2-537-ISOTOPE	WATER	DONE	U	0129	0211	S0	537ISET
L2002835-04	FIELD BLANK	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	Plastic-A.25
L2002889-01	RAW WATER GREENVILLE	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002889-03	RAW WATER HARTLAND	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002889-04	FIELD BLANK HARTLAND	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002889-05	RAW WATER SKOWHEGAN	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002889-07	RAW WATER OAKLAND	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002889-08	FIELD BLANK OAKLAND	S A2-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	537ISET
L2002906-01	BW-01-01202020	S A2-NY-537-ISOTOPE	WATER	DONE	U	0203	0211	S0	Plastic-T.25
L2002906-02	BW-02-01212020	S A2-NY-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	Plastic-T.25
L2002906-03	BW-03-01212020	S A2-NY-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	Plastic-T.25
L2002906-04	DUP-01	S A2-NY-537-ISOTOPE	WATER	DONE	U	0204	0211	S0	Plastic-T.25
WG1328821-1	Laboratory Method Bl	S A2-537-ISOTOPE	SOLID	DONE	U				
WG1328821-2	Laboratory Control S	S A2-537-ISOTOPE	SOLID	DONE	U				
WG1328821-3	LCS Duplicate	S A2-537-ISOTOPE	SOLID	DONE	U				
WG1329613-4	Matrix Spike	S A2-NH-537-ISOTOPE-9	DW	DONE	U				
WG1329613-4	Matrix Spike	S A2-NH-537-ISOTOPE-9	WATER	DONE	U				
WG1329799-1	Laboratory Method Bl	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1329799-1	Laboratory Method Bl	S A2-537-ISOTOPE	WATER	DONE	U				
WG1329799-2	Laboratory Control S	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1329799-2	Laboratory Control S	S A2-537-ISOTOPE	WATER	DONE	U				
WG1329799-3	LCS Duplicate	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1329799-3	LCS Duplicate	S A2-537-ISOTOPE	WATER	DONE	U				
WG1329799-4	Matrix Spike	S A2-537-ISOTOPE	WATER	DONE	U				
WG1329799-4	Matrix Spike	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1329799-5	Matrix Spike Duplica	S A2-537-ISOTOPE	WATER	DONE	U				
WG1329799-5	Matrix Spike Duplica	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1332696-1	Laboratory Method Bl	S A2-537-ISOTOPE	WATER	DONE	U				
WG1332696-1	Laboratory Method Bl	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1332696-2	Laboratory Control S	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1332696-2	Laboratory Control S	S A2-537-ISOTOPE	WATER	DONE	U				
WG1332696-3	LCS Duplicate	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1332696-3	LCS Duplicate	S A2-537-ISOTOPE	WATER	DONE	U				
WG1332696-4	Matrix Spike	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1332696-4	Matrix Spike	S A2-537-ISOTOPE	WATER	DONE	U				
WG1332696-5	Matrix Spike Duplica	S A2-537-ISOTOPE	WATER	DONE	U				
WG1332696-5	Matrix Spike Duplica	S A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1334580-1	Laboratory Method Bl	S A2-537-ISOTOPE-36	WATER	DONE	U				

Page 1

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 09 2020, 07:02 am

Work Group: WG1337913 for Department: 32 GC/MS - Semivolatiles

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
WG1334580-2	Laboratory Control	S A2-537-ISOTOPE-36	WATER	DONE	U				
WG1334580-3	LCS Duplicate	S A2-537-ISOTOPE-36	WATER	DONE	U				
WG1334580-4	Duplicate Sample	S A2-537-ISOTOPE-36	WATER	DONE	U				
WG1334679-1	Laboratory Method Bl	S A2-SPLP-537-ISOTOPE	SOIL	DONE	U				
WG1334679-2	Laboratory Control	S A2-SPLP-537-ISOTOPE	SOIL	DONE	U				
WG1334679-3	LCS Duplicate	S A2-SPLP-537-ISOTOPE	SOIL	DONE	U				
WG1334679-4	Duplicate Sample	S A2-SPLP-537-ISOTOPE	SOIL	DONE	U				
WG1334679-5	Laboratory Method Bl	S A2-SPLP-537-ISOTOPE	SOIL	DONE	U				
Comments:									
WG1328821-3	WG1328821-2								
WG1329613-4	L2000982-01								
WG1329799-3	WG1329799-2								
WG1329799-4	L2001310-01								
WG1329799-5	L2001310-01								
WG1332696-3	WG1332696-2								
WG1332696-4	L2002906-01								
WG1332696-5	L2002906-01								
WG1334580-3	WG1334580-2								
WG1334580-4	L1961750-02								
WG1334679-3	WG1334679-2								
WG1334679-4	L2002747-01								
WG1334679-5	SPLP								

Sample List Report**MassLynx MassLynx V4.2 SCN977**

Sample List: C:\MassLynx\Data\2019\191118_537ISO.PRO\SampleDB\191118_537ISO.SPL

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Last Modified: Monday, November 18, 2019 13:47:05 Eastern Standard Time

Printed: Tuesday, November 19, 2019 14:42:10 Eastern Standard Time

Page Position (1, 1)

	Vial	File Name	File Text	Sample ID
1	---	---	IS LOT#LC_537_ISO_ISTD_191117	SURROGATE LOT# LC_537_ISO_SURR_191116
2	1:A,1	I13432	MeOH BLANK	MeOH BLANK
3	1:A,1	I13433	MeOH BLANK	MeOH BLANK
4	1:A,2	I13434	WG1310082,,537_190904_1	IA2-537STD0.5
5	1:A,3	I13435	WG1310082,,537_190904_2	IA2-537STD1.0
6	1:A,4	I13436	WG1310082,,537_190904_3	IA2-537STD5.0
7	1:A,5	I13437	WG1310082,,537_190904_4	IA2-537STD10.0
8	1:A,6	I13438	WG1310082,,537_190904_5	IA2-537STD50.0
9	1:A,7	I13439	WG1310082,,537_190904_6	IA2-537STD125
10	1:A,8	I13440	WG1310082,,537_190904_7	IA2-537STD150
11	1:B,1	I13441	WG1310082,,537_190904_8	IA2-537STD250
12	1:B,2	I13442	WG1310082,,537_190904_9	IA2-537STD500
13	1:A,1	I13443	MeOH BLANK	MeOH BLANK
14	1:A,1	I13444	MeOH BLANK	MeOH BLANK
15	1:A,1	I13445	MeOH BLANK	MeOH BLANK
16	1:B,3	I13446	WG1310082,,537ISO_190904	CA2-537STD010
17	1:B,4	I13447	WG1310082,,537ISO_TECHSTD_190520A	TECHSTD_190520A

Sample List Report

MassLynx MassLynx V4.2 SCN977

Sample List: C:\MassLynx\Data\2019\191118_537ISO.PRO\SampleDB\191118_537ISO.SPL

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Last Modified: Monday, November 18, 2019 13:47:05 Eastern Standard Time

Printed: Tuesday, November 19, 2019 14:42:10 Eastern Standard Time

Page Position (2, 1)

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A	User
---	---	---	0.0	---	---	---
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	0.5	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	1.0	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	5.0	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	10.0	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	50.0	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	125	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	150	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	250	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Standard	500	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	QC	10	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW

Sample List Report

MassLynx MassLynx V4.2 SCN977

Sample List: C:\MassLynx\Data\2020\Feb\200206_537ISO.PRO\SampleDB\200206_537ISO.SPL

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Last Modified: Monday, July 27, 2020 16:07:46 Eastern Daylight Time

Printed: Wednesday, September 09, 2020 08:46:55 Eastern Daylight Time

Page Position (1, 1)

Vial	File Name	File Text	Sample ID
1	---	---	IS LOT#LC_537_ISO_ISTD_200131
2	1:A,1	I18642	MeOH BLANK
3	1:A,2	I18643	WG1337913, WG1332696, ICAL16305, 537ILOW
4	1:B,1	I18644	WG1337913, WG1332696, ICAL16305
5	1:B,2	I18645	WG1337913, WG1329799, ICAL16305
6	1:B,3	I18646	WG1337913, WG1332696, ICAL16305
7	1:B,4	I18647	WG1337913, WG1332696, ICAL16305
8	1:B,5	I18648	WG1337913, WG1332696, ICAL16305
9	1:B,6	I18649	WG1337913, WG1332696, ICAL16305
10	1:B,7	I18650	WG1337913, WG1332696, ICAL16305
11	1:B,8	I18651	WG1337913, WG1332696, ICAL16305
12	1:C,1	I18652	WG1337913, WG1332696, ICAL16305
13	1:C,2	I18653	WG1337913, WG1332696, ICAL16305
14	1:C,3	I18654	WG1337913, WG1332696, ICAL16305
15	1:C,4	I18655	WG1337913, WG1332696, ICAL16305
16	1:C,5	I18656	WG1337913, WG1332696, ICAL16305
17	1:C,6	I18657	WG1337913, WG1332696, ICAL16305
18	1:C,7	I18658	WG1337913, WG1332696, ICAL16305
19	1:A,3	I18659	WG1337913, WG1332696, ICAL16305, 537IMED
20	1:A,1	I18660	MeOH BLANK
21	1:C,8	I18661	WG1337913, WG1329799, ICAL16305
22	1:D,1	I18662	WG1337913, WG1329799, ICAL16305
23	1:D,2	I18663	WG1337913, WG1329799, ICAL16305
24	1:D,3	I18664	WG1337913, WG1332696, ICAL16305
25	1:D,4	I18665	WG1337913, WG1332696, ICAL16305
26	1:D,5	I18666	WG1337913, WG1332696, ICAL16305
27	1:D,6	I18667	WG1337913, WG1332696, ICAL16305
28	1:D,7	I18668	WG1337913, WG1329799, ICAL16305
29	1:D,8	I18669	WG1337913, WG1329799, ICAL16305
30	1:E,1	I18670	WG1337913, WG1332696, ICAL16305
31	1:A,2	I18671	WG1337913, WG1329799, ICAL16305, 537ILOW
32	1:E,2	I18672	WG1337913, WG1329799, ICAL16305
33	1:E,3	I18673	WG1337913, WG1334580, ICAL16305
34	1:E,4	I18674	WG1337913, WG1334679, ICAL16305
35	1:E,5	I18675	WG1337913, WG1334679, ICAL16305
36	1:E,6	I18676	WG1337913, WG1328821, ICAL16305
37	1:E,7	I18677	WG1337913, WG1329613, ICAL16305
38	1:E,8	I18678	WG1337913, WG1329799, ICAL16305
39	1:F,1	I18679	WG1337913, WG1329799, ICAL16305
40	1:F,2	I18680	WG1337913, WG1329613, ICAL16305
41	1:F,3	I18681	WG1337913, WG1332696, ICAL16305
42	1:F,4	I18682	WG1337913, WG1329799, ICAL16305
43	1:F,5	I18683	WG1337913, WG1329799, ICAL16305
44	1:F,6	I18684	WG1337913, WG1329799, ICAL16305
45	1:F,7	I18685	WG1337913, WG1334580, ICAL16305
46	1:F,8	I18686	WG1337913, WG1334580, ICAL16305
47	2:A,1	I18687	WG1337913, WG1334679, ICAL16305
48	2:A,2	I18688	WG1337913, WG1334679, ICAL16305
49	2:A,3	I18689	WG1337913, WG1328821, ICAL16305
50	2:A,4	I18690	WG1337913, WG1328821, ICAL16305
51	2:A,5	I18691	WG1337913, WG1328821, ICAL16305
52	2:A,6	I18692	WG1337913, WG1329799, ICAL16305
53	2:A,7	I18693	WG1337913, WG1329799, ICAL16305
54	2:A,8	I18694	WG1337913, WG1329613, ICAL16305
55	1:A,3	I18695	WG1337913, WG1332696, ICAL16305, 537IMED
56	1:A,1	I18696	MeOH BLANK
57	2:B,1	I18697	WG1337913, WG1334580, ICAL16305
58	2:B,2	I18698	WG1337913, WG1334580, ICAL16305
59	2:B,3	I18699	WG1337913, WG1328821, ICAL16305
60	2:B,4	I18700	WG1337913, WG1328821, ICAL16305

MassLynx MassLynx V4.2 SCN977

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Sample List Report**MassLynx MassLynx V4.2 SCN977**

Sample List: C:\MassLynx\Data\2020\Feb\200206_537ISO.PRO\SampleDB\200206_537ISO.SPL

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Last Modified: Monday, July 27, 2020 16:07:46 Eastern Daylight Time

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Page Position (1, 2)

Vial	File Name	File Text	Sample ID	
61	2:B,5	I18701	WG1337913, WG1328821, ICAL16305	WG1328821-5
62	2:B,6	I18702	WG1337913, WG1334679, ICAL16305	L2002747-01
63	2:B,7	I18703	WG1337913, WG1334679, ICAL16305	WG1334679-4
64	2:B,8	I18704	WG1337913, WG1329799, ICAL16305	L2001355-04
65	2:C,1	I18705	WG1337913, WG1329799, ICAL16305	L2001355-05
66	2:C,2	I18706	WG1337913, WG1329799, ICAL16305	L2001355-06
67	2:C,3	I18707	WG1337913, WG1329799, ICAL16305	L2001355-07
68	2:C,4	I18708	WG1337913, WG1329799, ICAL16305	L2001310-01
69	2:C,5	I18709	WG1337913, WG1329799, ICAL16305	L2001310-02
70	1:A,2	I18710	WG1337913, WG1329799, ICAL16305, 537ILOW	WG1337913-5, 537ILOW
71	2:C,6	I18711	WG1337913, WG1332696, ICAL16305	L2001930-01
72	2:C,7	I18712	WG1337913, WG1332696, ICAL16305	L2002889-02
73	2:C,8	I18713	WG1337913, WG1332696, ICAL16305	L2002889-04
74	2:D,1	I18714	WG1337913, WG1332696, ICAL16305	L2002889-06
75	2:D,2	I18715	WG1337913, WG1332696, ICAL16305	L2002889-08
76	1:A,3	I18716	WG1337913, WG1332696, ICAL16305, 537IMED	WG1337913-6, 537IMED
77	1:A,4	I18717	ACN FLUSH	ACN FLUSH
78	1:A,1	I18718	MeOH FLUSH	MeOH FLUSH

Sample List Report

MassLynx MassLynx V4.2 SCN977

Sample List: C:\MassLynx\Data\2020\Feb\200206_537ISO.PRO\SampleDB\200206_537ISO.SPL

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Last Modified: Monday, July 27, 2020 16:07:46 Eastern Daylight Time

Printed: Wednesday, September 09, 2020 08:46:55 Eastern Daylight Time

Page Position (2, 2)

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A	User
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	QC	0.5	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	LCMS_537_ISO_B	3.0	QC	10	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	ACN_MeOH_Flush_30	3.0	Analyte	---	LCMS02:JW
537ISO28_M_SPAN_DOD	181009_TUNE	MeOH_Flush_30	3.0	Analyte	---	LCMS02:JW



ORGANIC ELN REPORT

Workgroup: WG1334679

<div><div>Prep Method: ALPHA 23528</div><div>Solvent Type: Methanol</div><div>Surrogate Type: NA</div><div>Spike Type: 537</div><div>Spike Verify by: N/A</div><div>Lims Spikelot: 5371</div><div>Additional Reagents/Std</div><table><tr><td>2% NH4OH</td><td>EC012820A</td></tr><tr><td>25 mM NaOAc</td><td>EC012420A</td></tr><tr><td>Acetic Acid</td><td>2019072400</td></tr><tr><td></td><td></td></tr></table></div>	2% NH4OH	EC012820A	25 mM NaOAc	EC012420A	Acetic Acid	2019072400			<div><div>Lot #: DX785-US</div><div>Lot #: LC_537_ISO_SURRE_200122</div><div>Lot #: LC_537_ISO_LCS_200114</div><div>Conc.Method: N-EVAP</div><div>Solvent Type: 80:20 Methanol/Wat</div><div>Lot #: EC012020C</div><div>Additional Reagents/Std</div><table><tr><td>IS</td><td>537_ISO_ISTD_200121</td></tr></table></div>	IS	537_ISO_ISTD_200121	<div><div>Cleanup 1</div><div>Cleanup Method 1:</div><div>Cleanup Method 2:</div><div>Solvent Type:</div><div>Lot #:</div><div>Additional Reagents/Std</div></div>
2% NH4OH	EC012820A											
25 mM NaOAc	EC012420A											
Acetic Acid	2019072400											
IS	537_ISO_ISTD_200121											

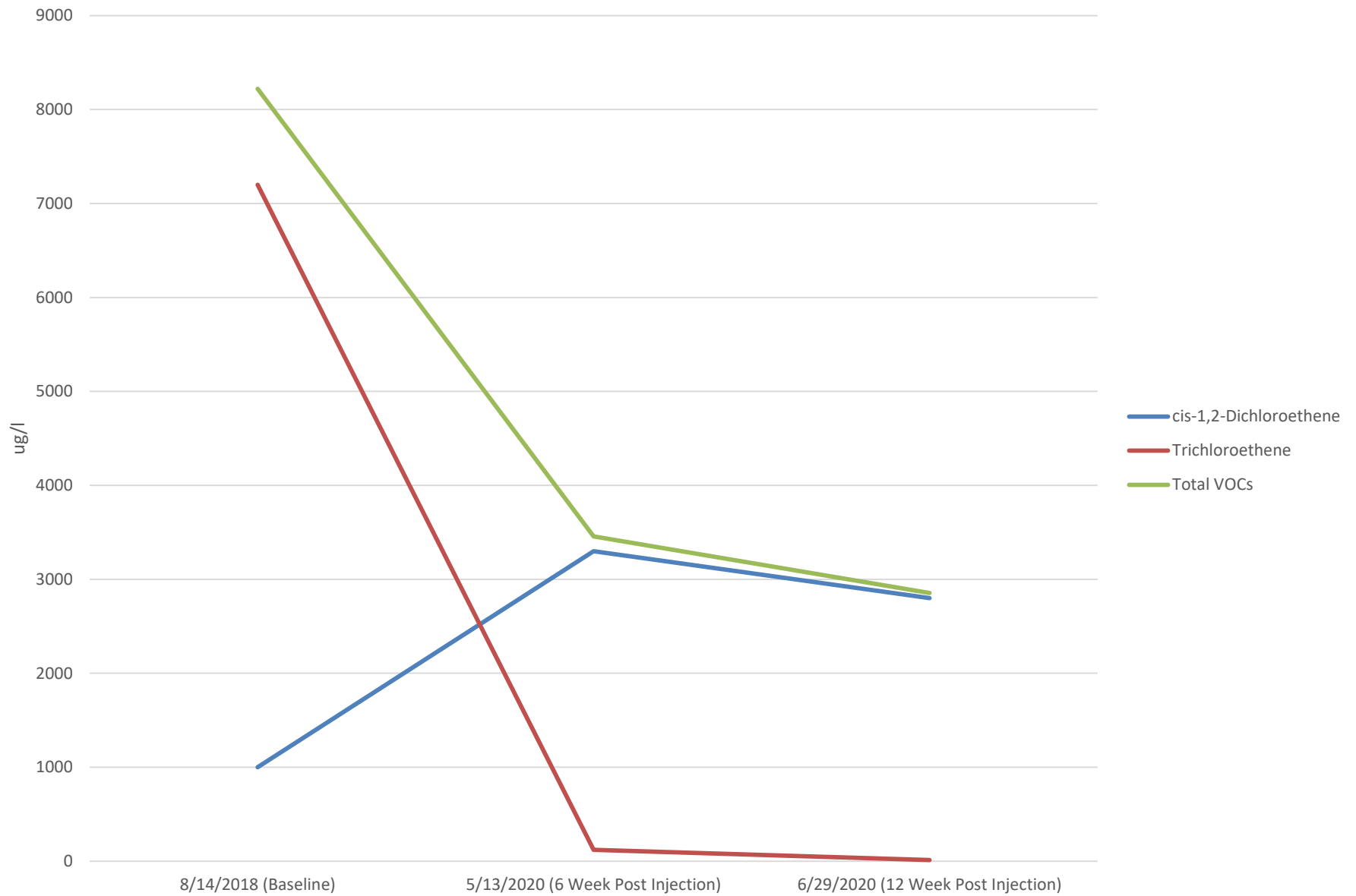
Sample/ Type	Extraction												Concentration					
	Extract Date	Analyst	Initial Sample Weight	Final Weight g	Sample Vol g	Balanc e Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Spe Cartrid	Flow Rate ml/min	Lot: Clnup Cartridg	Flow Rate 2 ml/min	Conc Date	Analyst	Final Vol ml	Conc Unit	Pipette Id
L2002747-01 SOIL	01/28/20 17:00 3-4, 52	Marissa Parker	316	23	293	BAL-7	.02		WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31
WG1334679-1 BLANK	01/28/20 17:00 3-1, 10	Marissa Parker	275	25	250	BAL-7	.02		WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31
WG1334679-2 LCS	01/28/20 17:00 3-2, 28	Marissa Parker	275	25	250	BAL-7	.02	.02	WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31
WG1334679-3 LCSD	01/28/20 17:00 3-3, 26	Marissa Parker	275	25	250	BAL-7	.02	.02	WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31
WG1334679-4 DUP	01/28/20 17:00 3-5, 5	Marissa Parker	312	25	287	BAL-7	.02		WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31
WG1334679-5 BLANK	01/28/20 17:00 3-6, 12. SPLP TUMBLE BLANK WG1332334 1/21/20 16:03 MP 1/28/20.	Marissa Parker	306	24	282	BAL-7	.02		WHG-31	S19-006017 : S308-010	4	B02483; 1/1242/G	4	01/28/20 19:45	Tyler Demello	1	NEVAP 65 7	WHG-29_31



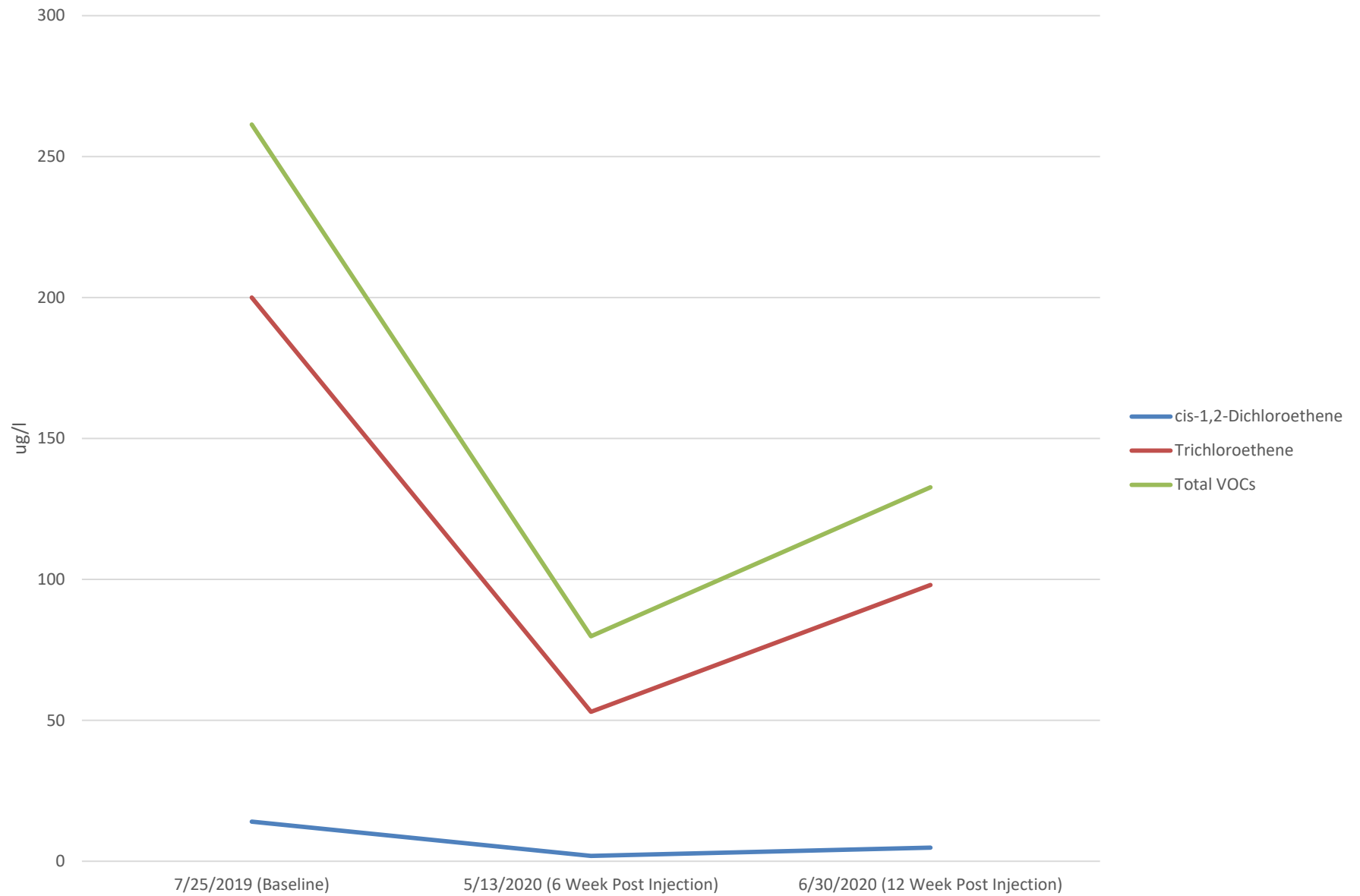
APPENDIX 7

RAOC #1 Graphs of VOC Performance Monitoring

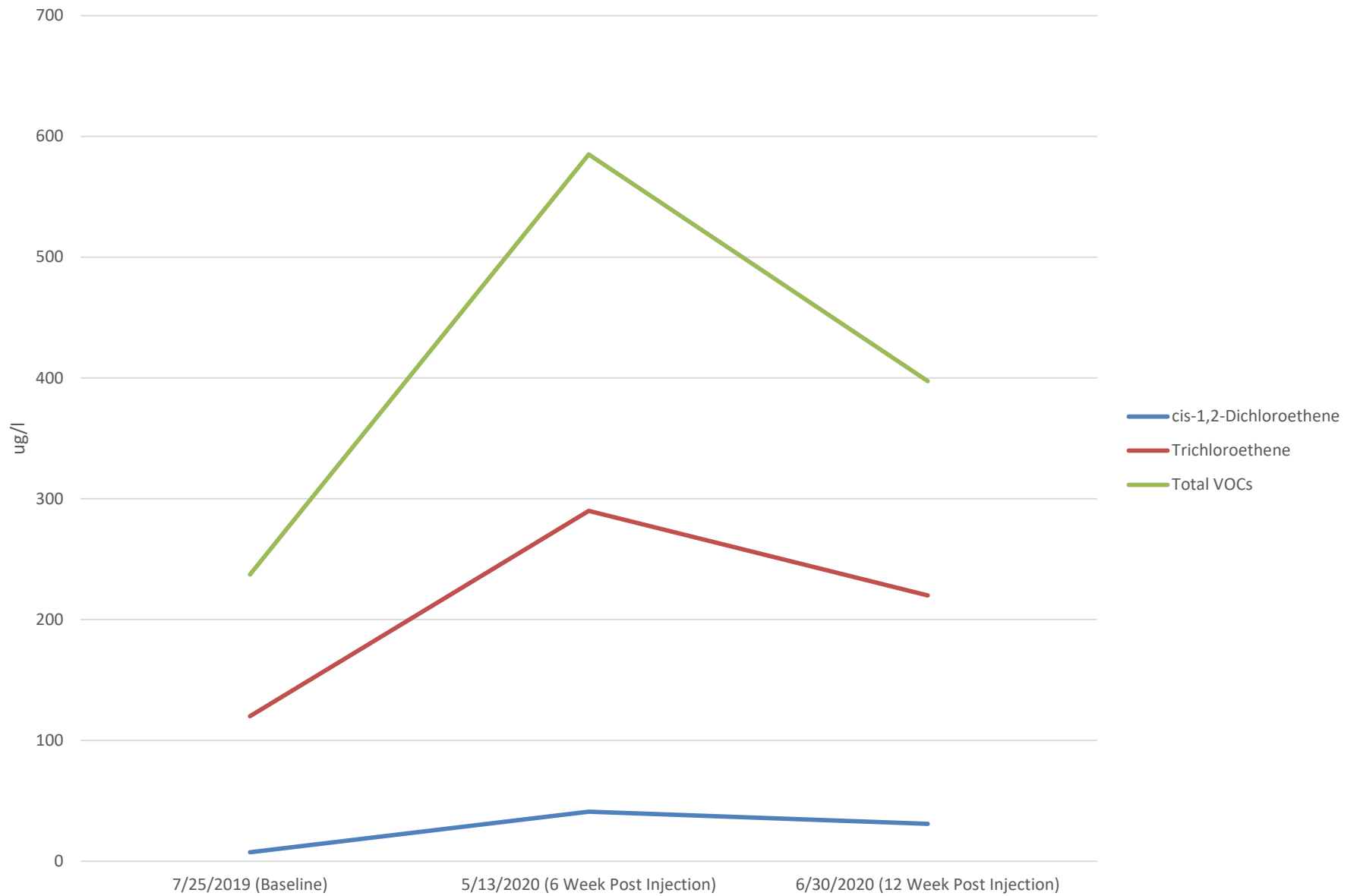
BW-03
Downgradient Well within Hudson Avenue Right of Way



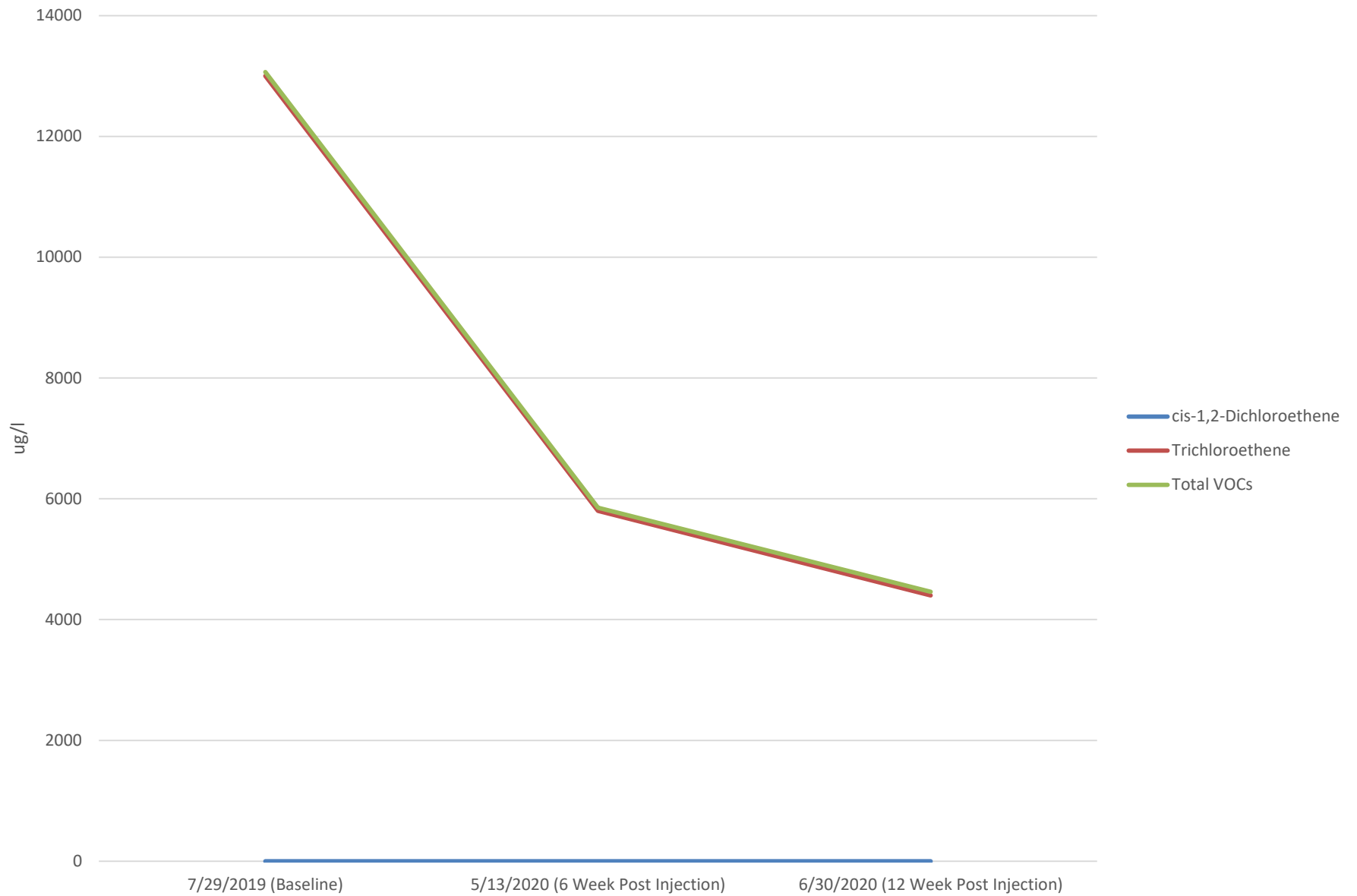
RIMW-02
Upgradient Well within Basement



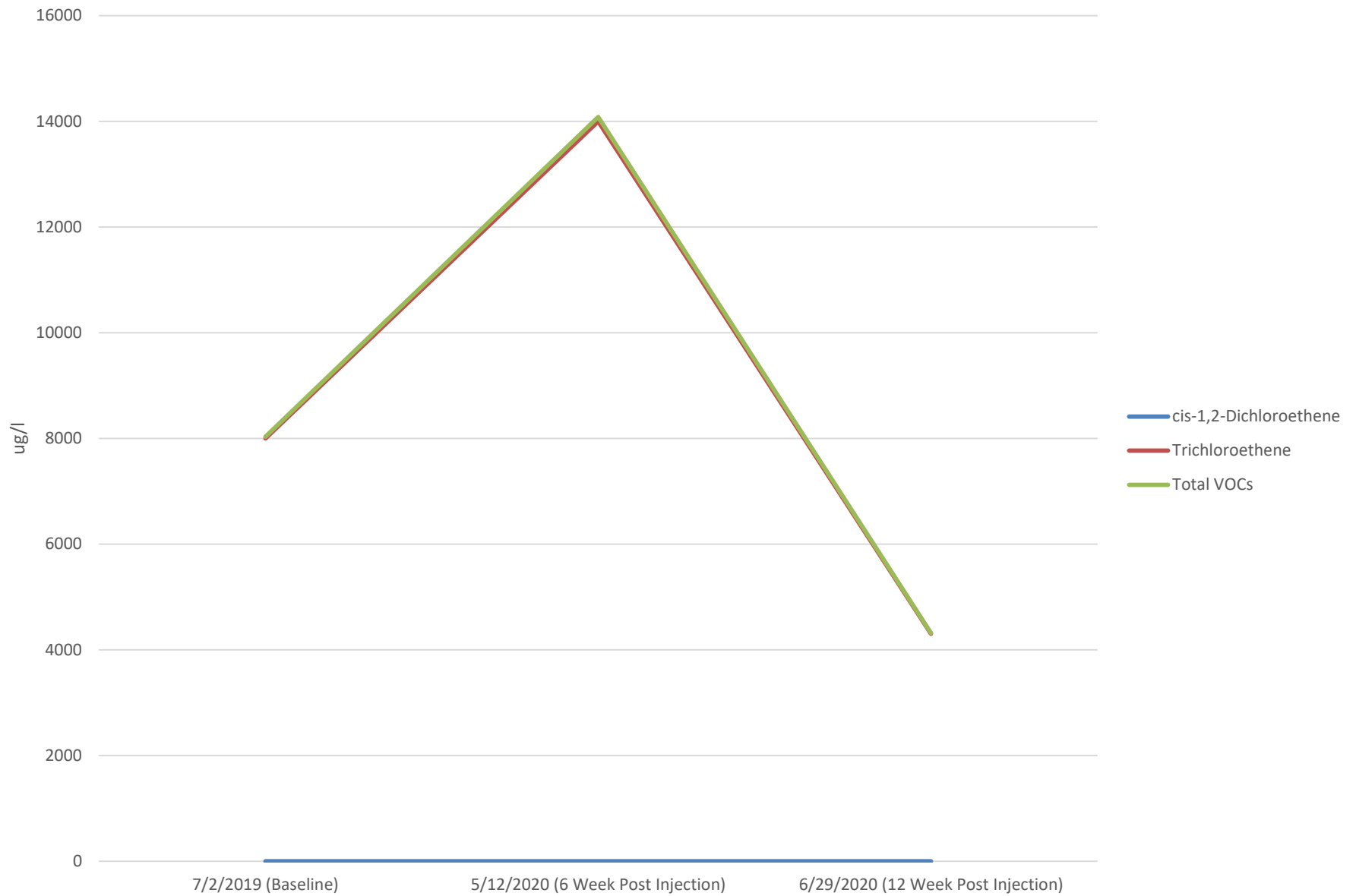
RIMW-04
Upgradient Well within Basement



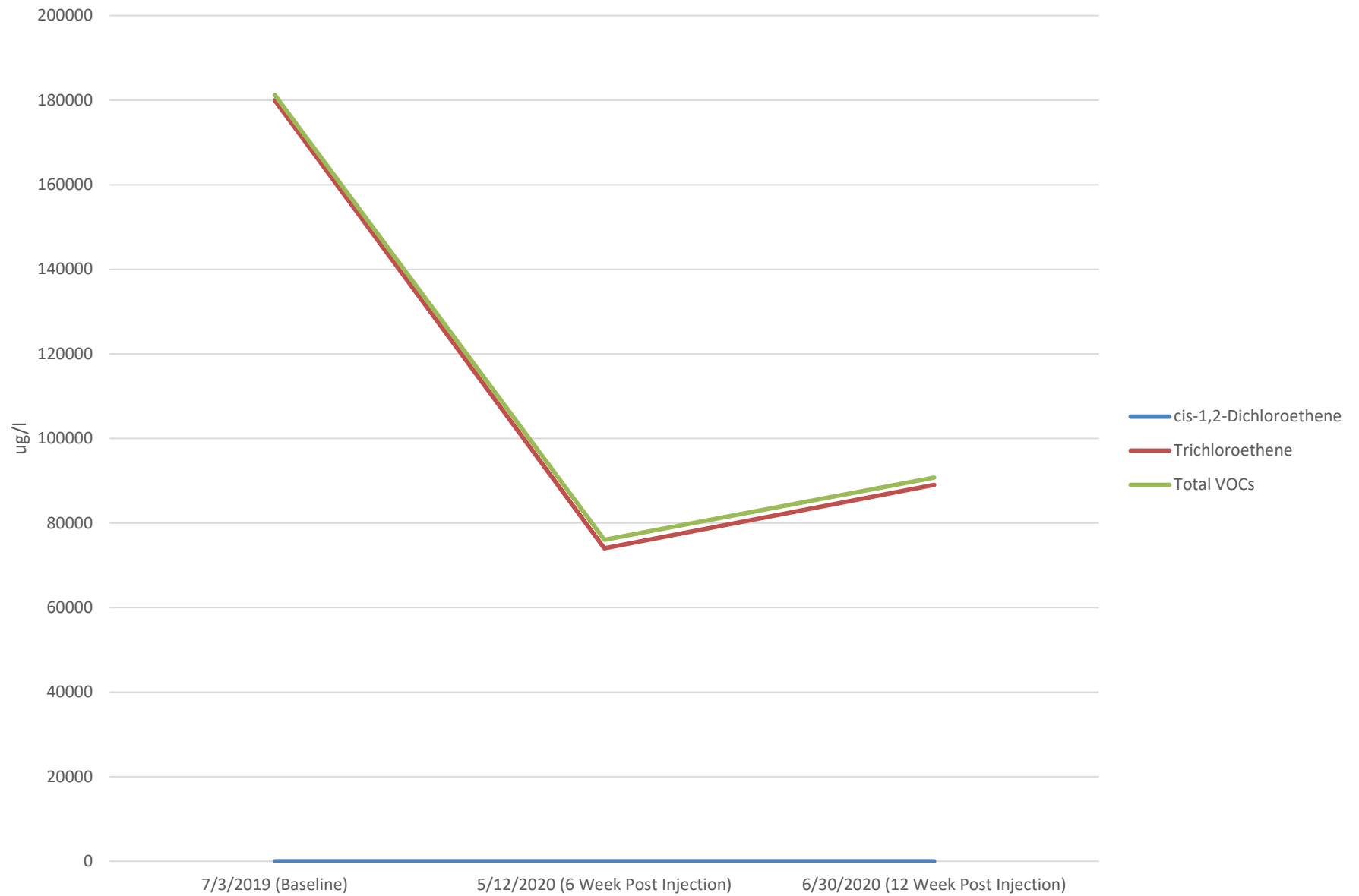
RIMW-16
Within Plume and Permanganate Injection Area



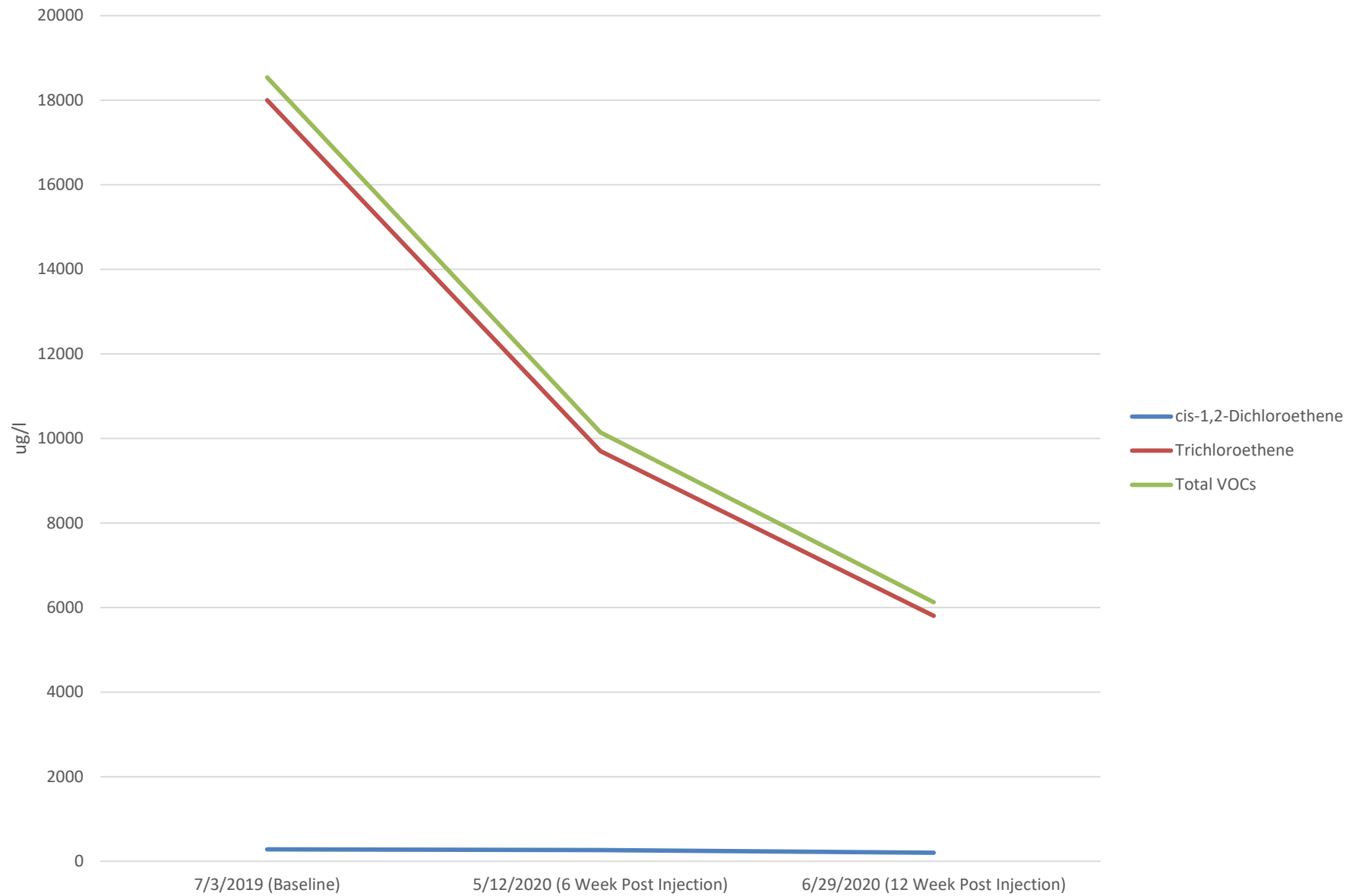
SBMW-7
Downgradient Well within Hudson Avenue Right of Way



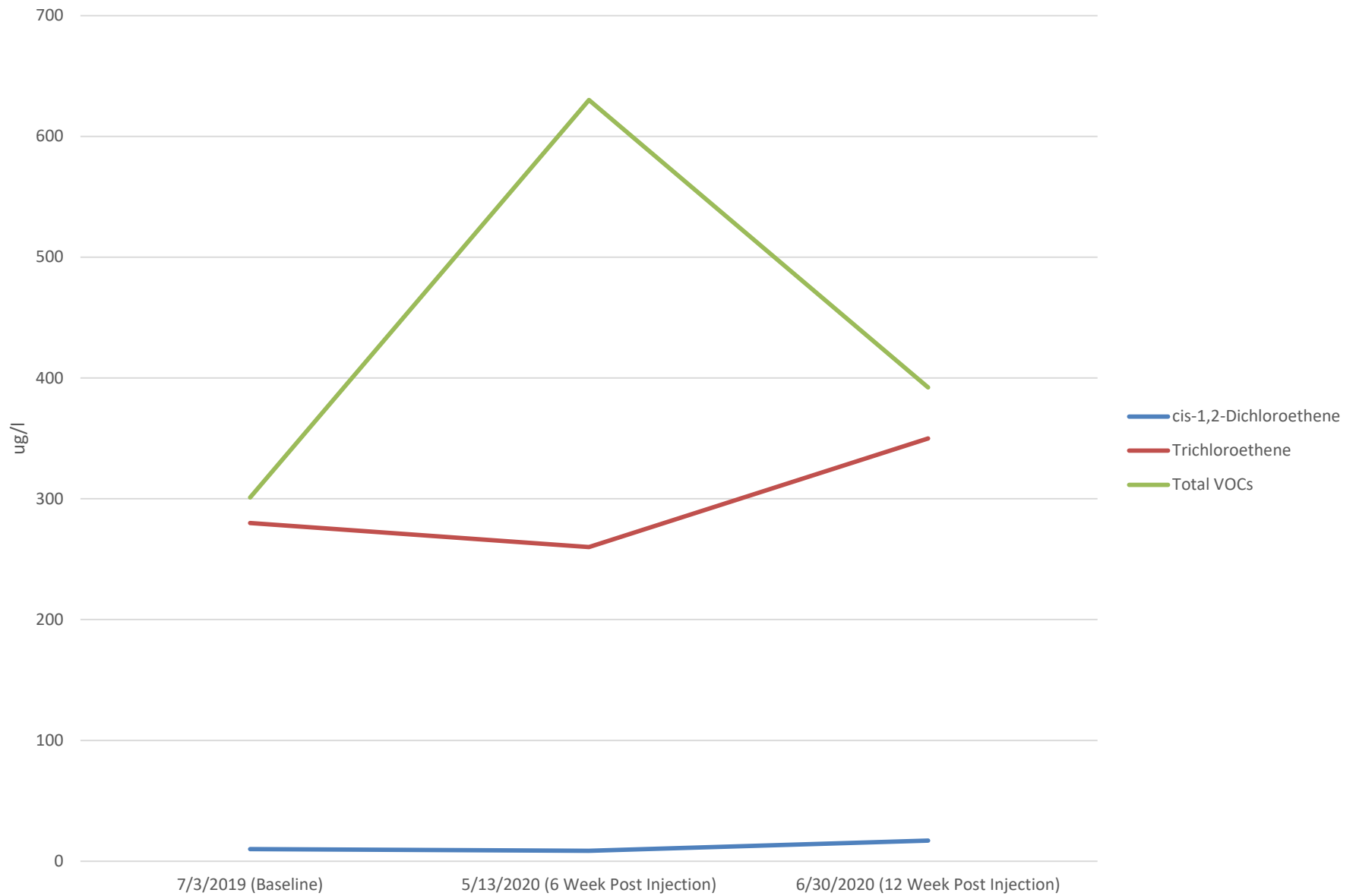
SBMW-14
Upgradient Well within Avenue D Right of Way



SBMW-15
Downgradient Well in Right of Way Near Intersection of Avenue D and Hudson Avenue



SBMW-16
Upgradient Well in Basement



BW-01
Upgradient Well within Avenue D Right of Way

