Phase II
Environmental Site Assessment

Location:

114 North Broad Street,
City of Peekskill, Westchester County,
New York

Prepared for:

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1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by Broad Howard LLC ("Client"), to report on Phase II Environmental Site Assessments (ESAs) conducted in 2022 at the properties located at the below addresses in the City of Peekskill, Westchester County, New York, hereinafter referred to as the "Site" with a main address of 114 North Broad Street (see location in **Figure 1**). The Site is a single tax lot identified on the Westchester County Tax Map as Section 33.22, Block 8, Lot 17 identified in Table 1 below, which was consolidated for the anticipated 100% affordable housing project. The current Site boundary is shown on **Figure 2A.** The Site formerly consisted of multiple tax lots (Former Tax Lots 12, 13, 16, 17, 18 and portion of Former Tax Lots 7 and 8) with former addresses shown on **Figure 2B**. Former Tax Lots 13, 16, 17, and 18 were purchased in March 2022. Former Tax Lots 7, 8, and 12 were purchased in August 2022.

Table 1: Former Parcel Identification Summary

Address	Section	Block	Lot
116 North Broad Street	33.22	8	17
1125 Howard Street	33.22	8	17
1131 Howard Street	33.22	8	17
1135 Howard Street	33.22	8	17

LaBella performed a Supplemental Phase II ESA at the Site in March and April 2022. The Phase II ESA consisted of a soil, groundwater, and soil vapor investigation to investigate previously identified RECs, AOCs, and SDGs based on historic Site use, and to evaluate NYSDEC Brownfield Cleanup Program (BCP) eligibility for future Site redevelopment purposes. This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11.

1.1 Limitations & Exceptions

Work associated with this Phase II ESA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella Associates, D.P.C., makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 BACKGROUND

2.1 Site Description & Features

The Site is located in the City of Peekskill, Westchester County, identified by the Westchester County Tax Map as Section 33.22, Block 8, Lot 17.

The property spans approximately 0.82 acres of land and is currently developed with mixed-use commercial and residential buildings. The Site is zoned as C-2 (central commercial district). The Site is a Type AB En-Zone, meaning it meets Criteria A, a poverty rate of at least 20% and Unemployment Rate of at least 125% the Statewide Unemployment Rate; and Criteria B, the poverty rate of at least 2 times the Poverty Rate for the County. The Site is within a Federal Opportunity Zone which incentivizes investment in distressed areas of a community. The Opportunity Zone program charges state and local governments to give preference and flexibility to projects in lower income communities and provides economic development and housing opportunities to spur economic growth and job creation while providing tax benefits to investors. Recent post-pandemic economic conditions (high cost of building supplies and interest rates) have put additional stress on meeting the demand for affordable housing and are requiring higher densities for financial feasibility.

2.2 Physical Setting

The Site is located in the City of Peekskill in Westchester County within a predominantly commercial and residential area. The Site is bounded to the north by Howard Street, to the west by various residential structures and a parking lot, to the east by a commercial structure and North Broad Street, and to the south by various commercial and residential developments.

2.3 Site Geology and Hydrogeology

Based on a review of available information, including area topography, regional groundwater flow in the vicinity of the Site is expected to be to the west-southwest, towards the Hudson River. Groundwater on-Site is generally shallow, based upon depth-to-water measurements from 2021 to 2024 ranging from approximately 2.5 to 7.5 ft bgs.

Site bedrock is mapped on the Geologic Map of New York to consist of metamorphic Middle Proterozoic-aged rock consisting of biotite, granite, and gneiss. Refusal was encountered between 5 to 11 ft bgs during the 2021 Limited Phase II ESA. Bedrock is expected to be shallow at this site.

A review of United States Department of Agriculture (USDA) Natural Resource Conservation Service soil survey for Westchester County, New York indicated that the Site surficial soils are mapped as 85% Urban land, 5% Udorthents, 2% Riverhead, 25 Udorthents Wet Substratum, 2% Chatfield, and 2% Sutton.

The Site is relatively flat with a gradual downward slope to the southwest towards the Hudson River. A review of the United States Geologic Survey (USGS) Topographic Map indicates the Site elevation is approximately 160 feet above main sea level (AMSL). Topographic elevations are several feet greater on the northern side of a retaining wall located in the southern portion of the property.

2.4 Site History & Land Use

Based upon available information, the Site appears to have been historically developed in or before 1887. Prior Site uses have included clothing factories, a pottery works, a warehouse, residences, and office space, including a dentist's office, podiatrist's office, and hair salon.

Former Lot 13 (116 North Broad Street) was previously developed as early as 1900 with a four-story

factory called Peekskill Night Robe Company. Former Tax Lot 13 was later developed with T.J Maxwell Co. Night Robe Manufacturer (1911-1942), Central Wash Suit Co Garment Factory (1950), Peekskill Sportswear Corp CLD Factory (1958) and Royalad Manufacturing Company (1972-1977).

2.5 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
North	• Residential properties (125 North James Street, 115, 1119, 1123, 1125, 1128, 1134, 1137 and 1138 Howard Street) • Metro-Aire Heating and Cooling Storage building (122 North Broad Street)
East	• Residential properties (1204 Main Street, 109, 110, 115, 117, and 125 North Broad Street)
South	• Mixed-use buildings (1106, 1112, 1116, 1138 Main Street) • Retail plaza including Rite Aid Pharmacy, restaurants, Nail and Spa Lounge (1101 Main Street) • Peekskill Fire House (1137 Main Street)
West	• United Methodists Church of Peekskill (1040 Main Street) • Apparent storage buildings (126 North James Street)

2.6 Prior Environmental Investigation

Multiple environmental assessments were performed from 2019 through 2021 for future site development purposes. The conclusions of the following reports informed the Supplemental Phase II investigation activities performed in 2022 and reported on in Section 3.0.

- 2019 Phase I ESA by Vanasse Hangen Brustlin, Inc. (VHB)
- 2021 Phase I ESA by The Chazen Companies (Chazen)
- 2021 Limited Phase II ESA by Chazen
- 2022 Phase I ESA by LaBella

The prior reports are summarized in this section.

2.6.1 2019 Phase I ESA by VHB

VHB conducted a Phase I ESA for the Site in 2019 for Chester Rental Properties, Inc. The following former Tax Lots were studied for this Site: Lots 13, 16, 17, and 18. The Phase I ESA indicated these lots were developed in or before 1887. Prior structures on these lots included a residential structure and a commercial structure. By 1989, the buildings on these lots were demolished. VHB identified one recognized environmental condition (REC) in connection with these lots:

Potential Fuel Oil Underground Storage Tanks (USTs)

- Based upon the former presence of residential dwellings and commercial structures on former Tax Lot 13, there is a potential for fuel oil underground storage tanks (USTs) and/or aboveground storage tanks (ASTs) to have been utilized in association with these former structures.
- It is unknown if any potential former USTs have been removed from the subject property. The potential presence of USTs and the potential for the subsurface to be impacted in association with the potential former tanks is considered a REC for the subject property.

VHB also identified two Business Environmental Risks (BERs), summarized below:

- Potential Out-of-Service Sanitary System: As residential and commercial structures were located on the subject property by 1887, there is a potential for these former structures to have utilized on-site sanitary systems and there is a potential for out-of-service sanitary systems to be present at the subject property. If encountered during redevelopment activities, any out-of-service sanitary systems should be assessed and removed in accordance with applicable regulations.
- Lead-Based Paint (LBP) and/or Asbestos Containing Debris: There is a potential for debris associated with the former structures to be located beneath the surface of the subject property. If encountered during redevelopment activities, any debris should be handled in accordance with all applicable regulations. The potential for debris to be encountered during redevelopment activities (which may contain LBP and/or asbestos) is considered a BER.

2.6.2 2021 Phase I ESA by Chazen

In September 2021, Chazen conducted a pre-acquisition due diligence Phase I ESA for prospective purchaser Broad Howard LLC to identify potential RECs on certain former Tax Lots that are part of the Site including former Tax Lots 13, 16, 17, and 18 (Current Tax Lot 17). The 2021 Phase I ESA was performed prior to the lot merger, and therefore includes a larger study area including three off-site lots west of the Site boundary (former Tax Lots 19, 20, and 21, which are not part of the Site). The Phase I ESA was not performed in the southern portion of the Site (northern portion of former Tax Lots 7 and 8).

Chazen indicated that the studied portions of the Site were developed in or before 1887, and prior uses included clothing factories, pottery works, a warehouse, and residential buildings. The following is a summary of Sanborn map observations for the studied portion of the Site:

- The 1887 and 1895 Sanborn maps indicate the southeastern Site area (Former Tax Lot 13) was developed with “Peekskill Pottery Works, including a kiln, a shed area, and a stable. Three residential dwellings and two shed-sized structures are shown in the northern Site area (former Tax Lots 16, 17, and 18).
- The 1900 Sanborn map indicates that the southeastern Site area is vacant.
- The 1905, 1911, 1923. And 1942 Sanborn maps indicate that the southeastern Site area (former Tax Lot 13) is developed with a building identified as the T.J. Maxwell Co. Night Robe

manufacturer and a detached auto garage. An elevator is shown in the southern part of the manufacturing building, and notes on the 1905 map indicate that a gasoline powered engine and an underground tank are on this area of the Site. The 1911 map indicates that coal is used for the building's heating system, and the 1923 map indicates that the Hudson Clothing Co. also occupies his building.

Chazen identified the following RECs in connection with the former Tax Lots that are part of the Site:

- Historic Site Use: The eastern Site area (former Tax Lot 13 and a portion of former Tax Lot 16) was previously operated as a pottery works and clothing factory. Former Site operations with the potential to have impacted the environmental quality of the Site included the use of coal, heating oil, and two elevators in the former building. A GPR survey performed in 2021 identified a potential UST within the footprint of the former Tax Lot 13, and a possible backfilled excavation was also identified on former Tax Lot 13 building (in an area consistent with the location of a former 380 L (1,000 gallon) gasoline UST indicated on the 1905 Sanborn map).
- Urban Fill Material: The Site is mapped as Urban Land with potential for fill material of unknown composition. The soil quality at the Site is unknown and was considered a REC.

2.6.3 2021 Limited Phase II ESA by Chazen

Between July 2021 and September 2021 and 2021, Chazen conducted a Limited Phase II ESA to determine subsurface impacts from historical site use and to evaluate BCP eligibility. Investigation activities included a subsurface utility engineering (SUE) survey including a ground penetrating radar (GPR) investigation to locate potential USTs, test pitting and soil borings, and the collection of soil and groundwater samples for laboratory analysis. One soil sample was collected at each of five test pits (TP-1 to TP-5) and 13 soil samples were collected from a total of 13 soil borings. No soil samples were collected at soil boring SB-5 due to shallow refusal and SB-11 because there was no evidence of contamination.

Geophysical Investigation Summary

A geophysical investigation including a GPR investigation, performed on July 14, 2021 indicated the presence of an anomaly identified as a possible UST in the northeast corner of former Tax Lot 13 at approximately 2 to 2.5 ft bgs as well as the presence of an anomaly identified as a possible backfilled excavation along the southern boundary of former Tax Lot 13 at approximately 2 to 8 ft bgs, which appears to be the location of the gasoline UST identified on the 1905 Sanborn map, indicating that the former gasoline UST has been removed and the excavation backfilled.

Test Pitting Investigation Summary

Five test pits were performed to investigate subsurface conditions including anomalies identified by the GPR investigation and to investigate the potential presence of C&D debris.

Soil at TP-01, which was advanced to a depth of 7.5 ft bgs, in the vicinity of anomaly identified as a possible UST in the northeast corner of former Tax Lot 13 contained concrete containing wire mesh; however, no evidence of a UST was observed. The soil sample collected at TP-01 at 7 ft bgs contained metals in concentrations exceeding UUSCOs, including lead (380 mg/kg vs 63 mg/kg UUSCO), Zinc

(182 mg/kg vs 109 mg/kg UUSCO), and Mercury (0.438 mg/kg vs 0.18 mg/kg UUSCO).

TP-02, which was advanced to a depth of 7.5 ft bgs, in former Tax Lot 13, confirmed the presence of concrete block construction consistent with the former eastern elevator pit that was indicated on Sanborn maps. The soil sample collected at TP-02 at 7.5 ft bgs contained ideno(1,2,3,cd)pyrene exceeding RRSCOs (0.72 mg/kg vs 0.5 mg/kg RRSCO).

TP-03, which was advanced to a depth of 3 ft bgs, which was advanced to evaluate subsurface conditions with possible backfill in former Tax Lot 16, contained broken concrete, brick, and wire, indicating fill material. The soil sample collected at TP-03 at 3 ft bgs contained lead (112 mg/kg vs 50 mg/kg) and zinc (120 mg/kg vs 109 mg/kg) at concentrations exceeding UUSCOs.

TP-04, which was advanced to a depth of 5 ft bgs in former Tax Lot 17, and TP-05, which was advanced to a depth of 5 ft bgs in former Tax Lot 18, were collected to evaluate subsurface conditions including the potential presence of C&D debris within the footprint of former residential structures. Both test pits contained broken concrete, bricks, and concrete. TP-05 also contained asphalt, paper, tires, and shingles. The soil sample collected at TP-04 at 5 ft bgs contained concentrations of arsenic exceeding IUSCOs (20.7 mg/kg vs 16 mg/kg IUSCO) and Protection of Groundwater Soil Cleanup Objectives (PGSCOs) (20.7 mg/kg vs 16 mg/kg PGSCO). The soil sample collected at TP-05 at 5 ft bgs contained concentrations of arsenic exceeding IUSCOs (16.9 mg/kg vs 16 mg/kg IUSCO).

Soil Boring Investigation Summary

The following summarizes exceedances of applicable SCOs identified as part of the 2021 Phase II ESA.

SB-01 was advanced to evaluate subsurface conditions in the eastern portion of former Tax Lot 13. A soil samples collected from 2 to 4 ft bgs contained constituents of potential concern (COPCs) exceeding UUSCOs, including SVOCs Benzo(k)fluoranthene (2.73 mg/kg vs 0.8 mg/kg UUSCO) and Chrysene (3.31 mg/kg vs 1 mg/kg UUSCO), and the metal Zinc (178 mg/kg vs 109 mg/kg UUSCO). The soil sample contained SVOC concentrations exceeding RRSCOs, including Benzo(a)anthracene (3.34 mg/kg vs 1 mg/kg RRSCO), Benzo(b)fluoranthene (2.94 mg/kg vs 1 mg/kg RRSCO), Dibenzo(a,h)anthracene (0.755 mg/kg vs 0.56 mg/kg CUSCO), and Ideno(1,2,3-cd)pyrene (2.74 mg/kg vs 0.5 mg/kg RRSCO). Metal concentrations also exceeded RRSCOs, including Lead (407 mg/kg vs 400 mg/kg RRSCO) and Mercury (0.881 mg/kg vs 0.81 mg/kg RRSCO). One SVOC concentration exceeded IUSCOs - Benzo(a)pyrene (3.2 mg/kg vs 1.1 mg/kg IUSCO). Exceedances of PGSCOs at SB-01 at 2 to 4 ft bgs included Benzo(a)anthracene (3.34 mg/kg vs 1 mg/kg PGSCO), Benzo(b)fluoranthene (2.94 mg/kg vs 1.7 mg/kg PGSCO), Benzo(k)fluoranthene (2.73 mg/kg vs 1.7 mg/kg PGSCO), Chrysene (3.31 mg/kg vs 1 mg/kg PGSCO). SB-01 also contained Mercury at concentrations that exceed PGSCOs (0.881 mg/kg vs. 0.73 mg/kg PGSCO).

SB-02 was advanced to evaluate the subsurface conditions of the eastern portion of former Tax Lot 13. A soil sample collected from 2 to 4ft bgs contained metal concentrations that exceed UUSCOs, including Lead (380 mg/kg vs 63 mg/kg UUSCO) and Zinc (200 mg/kg vs 109 mg/kg UUSCO). The sample contained SVOC concentrations that exceed RRSCOs, including Benzo(a)anthracene (4.88 mg/kg vs 1 mg/kg RRSCO), Benzo(b)fluoranthene (5.06 mg/kg vs 1 mg/kg RRSCO), Benzo(k)fluoranthene (4.15 mg/kg vs 3.9 mg/kg RRSCO), Chrysene (5.07 mg/kg vs 3.9 mg/kg RRSCO), and Ideno(1,2,3-cd)pyrene (2.74 mg/kg vs 0.5 mg/kg RRSCO). In addition to SVOCs, the

sample contained mercury concentrations above RRSCOs (0.48 mg/kg vs 0.81 mg/kg RRSCO). The sample contained two SVOC concentrations that exceed IUSCOs - Benzo(a)pyrene (4.85 mg/kg vs 1.1 mg/kg IUSCO) and Dibenzo(a,h)anthracene (1.32 mg/kg vs 1.1 mg/kg IUSCO). Exceedances of PGSCOs at SB-02 at 2 to 4 ft bgs included Benzo(a)anthracene (4.88 mg/kg vs 1 mg/kg PGSCO), Benzo(b)fluoranthene (5.06 mg/kg vs 1.7 mg/kg PGSCO), Benzo(k)fluoranthene (4.15 mg/kg vs 1.7 mg/kg PGSCO), and Chrysene (5.07 mg/kg vs 1 mg/kg PGSCO). This sample also contained Mercury at concentrations that exceed PGSCOs (1.17 mg/kg vs 0.73 mg/kg PGSCO).

SB-03 was advanced to evaluate the subsurface conditions the northern portion of former Tax Lot 16. A soil sample collected from 2 to 4 ft bgs contained lead at concentrations exceeding UUSCOs (96.5 mg/kg vs 63 mg/kg UUSCOs).

At SB-04, which was advanced at the former western elevator pit in former Tax Lot 13, apparent hydrocarbon odors and grey staining were observed at 8 to 10 ft bgs. A soil sample collected at SB-04 from 8 to 10 ft bgs contained several SVOCs and Metals exceeding UUSCOs, including benzo(k)fluoranthene (1 mg/kg vs 1 mg/kg UUSCO), lead (125 mg/kg vs 63 mg/kg UUSCO), and zinc (110 mg/kg vs. 109 mg/kg UUSCO). Several SVOCs exceeded RRSCOs, including benzo(b)fluoranthene (1.17 mg/kg vs. 1 mg/kg RRSCO), chrysene (1.2 vs 1 mg/kg RRSCO), and indeno(1,2,3-cd)pyrene (0.943 mg/kg vs 0.5 mg/kg RRSCO). The SVOC Benzo(a)anthracene was detected in concentrations exceeding RUSCOs for (1.14 mg/kg vs 1 mg/kg IUSCO). SB-04 also contained Benzo(a)anthracene (1.14 mg/kg vs 1 mg/kg PGSCO) and Chrysene (1.2 mg/kg vs 1 mg/kg PGSCO) at concentrations that exceed PGSCOs.

SB-05, which is located upgradient of the former elevator pits and backfilled excavation / former gasoline UST in former Tax Lot 13, was not sampled because refusal was encountered at 5 ft bgs and there was no evidence of contamination.

SB-06 in former Tax Lot 13, which was advanced on the upgradient side of the former elevator pits, did not contain COPCs at concentrations that exceeded SCOs in a soil sample collected from 5 to 7 ft bgs.

At SB-07, which was advanced downgradient of the former elevator pits and backfilled excavation / former gasoline UST in former Tax Lot 13, apparent hydrocarbon odors, grey staining, and elevated PID readings were observed at 6 to 11 ft bgs. A soil sample collected at SB-07 from 6 to 8 ft bgs contained several VOCs exceeding UUSCOs including 1,2,4-Trimethylbenzene (3.9 mg/kg), Ethyl Benzene (3.7 mg/kg), Methylene chloride (1.3 mg/kg), n-Propylbenzene (5.9 mg/kg), and the SVOC Naphthalene (max. 46 mg/kg). SB-07 also contained COPCs at concentrations that exceeded PGSCOs, including VOCs 1,2,4-Trimethylbenzene (3.9 mg/kg vs 3.6 mg/kg PGSCO), Ethyl Benzene (3.7 mg/kg vs 1 mg/kg PGSCO), Methylene chloride (1.3 mg/kg vs 0.05 mg/kg PGSCO), Naphthalene (46 mg/kg vs 12 mg/kg PGSCO), and n-Propylbenzene (5.9 mg/kg vs 3.9 mg/kg PGSCO), and SVOC naphthalene (23 mg/kg vs 8.2 mg/kg PGSCO).

Soil borings SB-08 and SB-10 were advanced to evaluate subsurface conditions in former Tax Lot 16. A soil sample collected at SB-08 from 1 to 3 ft bgs contained metals exceeding UUSCOs, including Arsenic (13.1 mg/kg vs 13 mg/kg UUSCO), Lead (211 mg/kg vs 63 mg/kg UUSCO), and Zinc (177 mg/kg vs 109 mg/kg UUSCO). SB-08 containing Mercury at a concentration exceeding IUSCOs (6.59 mg/kg vs 2.8 mg/kg). SB-08 contained mercury at concentrations exceeding PGSCOs (6.51 mg/kg vs

0.73 mg/kg PGSCO). A soil sample collected at SB-10 from 2 to 4 ft bgs contained metals that exceeded UUSCOs - Lead (228 mg/kg vs 63 mg/kg UUSCO), and Zinc (235 mg/kg vs 109 mg/kg UUSCO) – and RRSCOs, including Mercury (0.927 mg/kg vs 0.81 mg/kg RRSCO). SB-10 contained mercury at concentrations exceeding PGSCOs (6.59 mg/kg vs 0.73 mg/kg PGSCO).

SB-09 was advanced to evaluate subsurface conditions in former Tax Lot 18. A soil sample collected from 7 to 8 ft bgs did not contain COPCs above SCOs. SB-11 was advanced to evaluate the subsurface conditions in former Tax Lot 17 but was not sampled due to the absence of observed petroleum impacts or evidence of fill materials.

During this investigation, each soil boring advanced terminated by refusal to apparent bedrock. The depths range from 5 to 11 ft bgs indicating shallow bedrock across the Site, consistent to regional geology.

Contaminated Historic Fill Material

Field observations from test pits and soil borings and laboratory analytical results for soil samples indicate the presence of contaminated historic fill material (CHFM) containing construction and demolition (C&D) debris, brick, concrete, wire, and ash throughout former Tax Lots 13, 16, 18, and 19 to depths ranging from approximately 4 to 10 ft bgs.

Soil samples from former Tax Lot 13 (TP-2, SB-1, SB-2, and SB-4), former Tax Lot 16 (SB-8 and SB-10), former Tax Lot 17 (TP-4), and former Tax Lot 18 (TP-5) contained SVOCs and Metals, including Lead and Mercury, at concentrations that that exceed RRSCOs. Soil samples from former Tax Lot 13 (SB-1, SB-2, SB-4), former Tax Lot 16 (SB-8), former Tax Lot 17 (TP-4), and former Tax Lot 18 (TP-5) contained SVOCs and Metals, including Arsenic and Mercury, at concentrations that exceed CUSCOs. Soil samples from former Tax Lots 6 (SB-20), 7 (SB-21), 13 (SB-07, SB-04, SB-24, and SB-01), 16 (SB-08 and SB-29), 17 (TP-04, SB-26, and SB-27), and 18 (TP-05) exceed IUSCOs for SVOCs and Arsenic. In addition, soil samples from former Tax Lot 17 (TP-04), former Tax Lot 18 (TP-05), former Tax lot 13 (SB-01, SB-02, SB-04, and SB-07), and former Tax Lot 16 (SB-08 and SB-10) contained VOC, SVOC, and metal concentrations that exceed PGSCOs.

C&D observed at TP-05 (former Tax Lot 18) indicates the presence of non-friable ACM including transite-type siding / paneling and black tar-type material.

Groundwater Investigation Summary

Three temporary groundwater monitoring wells (MWs) were installed at soil boring locations SB-06, SB-07, and SB-09 (MW-1, MW-2, and MW-3, respectively) to facilitate the collection of groundwater samples. Groundwater samples from the three monitoring wells contained VOCs, SVOCs, and metals exceeding the applicable AWQS.

A groundwater sample collected at MW-01, located near the eastern boundary of former Tax Lot 13 and upgradient of the backfilled excavation / former gasoline UST, contained concentrations of SVOCs, including benzo(a)anthracene (0.122 ug/L vs 0.002 ug/L AWQS), benzo(a)pyrene (0.144 ug/L vs 0.002 ug/L AWQS), benzo(b)fluoranthene (0.122 mg/L vs 0.002 ug/L AWQS), and benzo(k)fluoranthene (0.133 mg/L vs 0.002 ug/L AWQS), and chrysene (0.111 ug/L vs 0.002 ug/L AWQS). Groundwater samples collected from MW-01 contained concentrations of SVOCs in exceedance of AWQS, including arsenic (87.2 ug/L vs 25 ug/L AWQS), chromium (146 ug/L vs. 50

ug/L AWQS), copper (207 ug/L vs. 200 ug/L AWQS), lead (56.7 ug/L vs 25 ug/L AWQS), and manganese (3850 ug/L vs 300 ug/L AQWS). Dissolved manganese concentrations also exceeded AWQS (358 ug/L vs. 0.7 ug/L AWQS). The co-located soil sample collected from this location from SB-06 did not contain COPCs exceeding SCOs indicating that the COPCs present in this groundwater water sample may be migrating onto the Site from an off-Site source.

The groundwater sample collected at MW-02, downgradient of the backfilled excavation / former gasoline UST, contained Naphthalene (48,400 ug/L vs 10 ug/L AWQS) and Phenanthrene (61,400 ug/L vs 50 ug/L AWQS) and other VOCs and SVOCs at concentrations in exceedance of AWQS. Due to high concentrations of naphthalene and phenanthrene, a spill was reported to NYSDEC on August 16, 2021, and Spill Number 2104650 was assigned. Soil collected from this location at SB-07 contained similar COPCs exceeding both RRSCOs and PGSCOs, indicating the potential for a spill to have occurred in this area.

The groundwater sample collected at MW-03, located on the northwest portion of the Site in former Tax Lot 19, contained the metal Manganese (1,140 ug/L vs. 300 ug/L AWQS) in exceedance of AWQS. The sample contained dissolved manganese at a concentration of 1,040 ug/L in comparison with an AWQS of 0.7 ug/L. The soil sample collected at this location from SB-09 did not contain COPCs exceeding SCOs, indicating that the soil in this area is not manganese source.

Summary of Areas of Concern

Based on the findings of the 2021 Phase I and Phase II ESAs, the following AOCs were identified:

AOC 1 - Contaminated Historic Fill Material

Evidence of Contaminated Historic Fill Material (CHFM) including C&D, bricks, concrete, wire, and ash was observed to a depth of up to 10 ft bgs in soil across the Site. SVOCs and Metals were detected at concentrations in exceedance of respective UUSCOs, RRSCOs, CUSCOs at soil samples collected from soil borings throughout the site and in many several instances at concentrations in exceedance of respective IUSCOs and PGSCOs.

AOC 2 – Former Elevator Pits

Two former elevator pits were identified on Sanborn maps from 1950, 1958, 1964, 1971, and 1972. At SB-04, which was advanced at the former western elevator pit, apparent hydrocarbon odors and grey staining were observed at 8 to 10 ft bgs. A soil sample collected at SB-04 from 8 to 10 ft bgs contained several SVOCs and Metals exceeding UUSCOs, including ccc

AOC 3 – Anomaly Identified as Possible UST (northeast corner of former Tax Lot 13)

Test pit TP-01 was advanced at the location of the anomaly identified as a possible UST identified in the 2021 geophysical survey at approximately 2 to 2.5 ft bgs. Soil analytical results indicate that metals are present at concentrations in exceedance of UUSCOs at 7 ft bgs, including Lead (380 mg/kg), Mercury (182 mg/kg), and Zinc (0.48 mg/kg). There was no field evidence of a UST or petroleum release during subsurface investigation activities.

AOC 4 - Backfilled Excavation / Former Gasoline UST (1905 Sanborn Map)

The 2021 geophysical survey identified a possible backfilled excavation at 2 to 8 ft bgs along the southern boundary of former Tax Lot 13. This excavated area appears to be the location of the gasoline UST identified on the 1905 Sanborn map indicating that the former gasoline UST has been removed and the excavation backfilled.

At SB-07, which was advanced downgradient of the former elevator pits and backfilled excavation / former gasoline UST, apparent hydrocarbon odors, grey staining, and elevated PID readings were observed at 6 to 11 ft bgs. A soil sample collected at SB-07 from 6 to 8 ft bgs contained several VOCs exceeding UUSCOs including 1,2,4-Trimethylbenzene (3.9 mg/kg), Ethyl Benzene (3.7 mg/kg), Methylene chloride (1.3 mg/kg), n-Propylbenzene (5.9 mg/kg), and the SVOC Naphthalene (max. 46 mg/kg).

Groundwater samples from the three monitoring wells contained VOCs, SVOCs, and metals exceeding the applicable AWQS. A groundwater sample collected at MW-02, located downgradient of the former elevator pits and the backfilled excavation / former gasoline UST, contained concentrations of VOCs, SVOCs, and metals in exceedance of the AWQS. Including naphthalene (48,400 ug/L) and phenanthrene (61,400 ug/L) were detected at elevated concentrations in exceedance of AWQS. As a result of the high concentrations of naphthalene and phenanthrene, a spill was reported to NYSDEC on August 16, 2021, and Spill Number 2104650 was assigned, but the source was not identified.

AOC 5 – Upgradient, Off-Site Groundwater

A groundwater sample collected at MW-01, located near the eastern boundary of former Tax Lot 13 and upgradient of the former elevator pits and gasoline UST, contained concentrations of VOCs, SVOCs, and metals in exceedance of the AWQS. The presence of VOCs and SVOCs at MW-01 may indicate the presence of an up-gradient source of contaminated groundwater migrating onto the Subject Property.

Areas of Concern are presented **Figure 3.**

2.6.4 2022 Phase I ESA by LaBella

In April 2022, LaBella conducted a Phase I ESA to investigate RECs and significant data gaps (SDGs) in connection with a larger proposed Site boundary, including the entire areas of former Tax Lots 5, 6, 7, and 8, and former Tax Lots 12, 13, 16, 17, and 18. The Phase I ESA indicated that these lots were developed in or before 1887, and prior uses have included clothing factories, a pottery works, a warehouse, office space, hairdresser, dentist office, podiatrist, and residential buildings. The investigation reported the following RECs in connection with the Site.

- The eastern Subject Property area (Lot 13 and part of Lot 16) was previously used as a pottery works and as clothing factories. Sampling conducted on this area of the Subject Property during the Phase II ESA reported elevated metals, SVOCs, and VOCs and a Spill event was reported to the NYSDEC, which remains open.
- Analysis of soil collected from test pits on Lots 17 and 18 reported SVOCs and Metals, including Arsenic, mercury, and lead at concentrations that exceed applicable SCOs.
- The Subject Property is mapped as Urban Land with potential for fill material of unknown composition. Test pitting on the Subject Property indicated the presence of contaminated

historic fill material with the soils in these areas reporting SVOC and metal impacts. The test pit advanced on Lot 18 indicated the presence of ACM debris.

- Spill No. 01-11366 was reported for the eastern adjoining property (upgradient of the Subject Property) when a UST failed tightness testing. No information was provided regarding what, if any, remediation was conducted, and the event was administratively closed 10 years after it was reported.
- A groundwater sample collected near the eastern boundary of Lot 13 and upgradient of the backfilled excavation / former gasoline UST (MW-01), contained SVOCs that do not appear to be associated with gasoline, and which may indicate the presence of an up-gradient source of contaminated groundwater migrating onto the Subject Property.

3.0 2022 SUPPLEMENTAL PHASE II ESA INVESTIGATION ACTIVITIES

A Supplemental Phase II ESA was performed in March and April 2022 to further investigate RECs, AOCs, SDGs, and subsurface anomalies identified during previous investigations at the Site as well as at additional parcels, including former Tax Lots 5 and 6 and portions of Tax Lots 7 and 8, that were under consideration to be part of the project, but which are not part of the Site. The following scope of work was performed as part of the 2022 Supplemental Phase II ESA:

1. Geophysical Survey
2. Soil Investigation
3. Groundwater Investigation
4. Soil Vapor Investigation

The investigation activities including field methodology, field observations, and laboratory analytical results are presented below. Thirty-eight (38) soil samples were collected from twenty (20) borings, four (4) groundwater samples were collected from four (4) wells. Eleven (11) air samples including one outdoor ambient air sample, one field duplicate, and four (4) co-located sub-slab and indoor air samples were collected for the 2022 Supplemental Phase II.

3.1 Geophysical Survey

On March 25, 2022, LaBella performed a GPR survey to identify locations of USTs based on the study area of the 2022 Phase I ESA. The survey covered area in the southern portion of the Site, as well as offsite areas in former Tax Lots 5, 6, 7, and 8. The survey identified an anomaly identified as a possible UST in the southern portion of the Site (northern portion of former Tax Lot 12) at approximately 1 ft bgs which was not previously identified.

The Geophysical Report is included in **Appendix A**.

3.2 Soil Investigation Activities

3.2.1 Soil Investigation Methodology

On April 5 and 6, 2022, 21 soil borings (SB-12 to SB-32) were advanced, of which 13 soil borings. including SB-18 through SB-21 and SB-24 through SB-32, were located on the Site (new Tax Lot 17). Soil borings were advanced with a Geoprobe® Manual Slide Hammer, a track-mounted Geoprobe®

Systems Model 54LT, or a Geoprobe® Systems Model 7822 DT direct-push sampling system. Soil cores were removed from the polyethylene sleeves for observation and sampling. Borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo-ionization detector (PID). Positive indications from these screening methods are collectively referred to as "evidence of impacts". Soil sampling equipment was decontaminated between boring locations using Alconox® detergent and potable water solution.

Soil samples were collected from representative intervals and submitted for the Full List NYSDEC Part 375 protocol included analyses of the following: volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; semi-volatile organic compounds (SVOCs) by USEPA Method 8270D; pesticides by USEPA Method 8081B; polychlorinated biphenyls (PCBs) by USEPA Method 8082A; herbicides by USEPA Method 8151A; metals by USEPA Methods 6010 D, 7473 (mercury), 7196A (hexavalent chromium), 9014/90110C (cyanide, total); and total solids via SM 2540G. Soil samples were placed in a cooler on ice and sent under standard chain of custody protocols to York Analytical Laboratory in Stratford, CT for laboratory analysis.

Soil Sampling Locations are presented **Figure 3.** Descriptive boring logs, which provide a record of the subsurface conditions encountered in each boring, are presented in **Appendix B**.

3.2.2 Field Observations

Evidence of CHFM including C&D, bricks, concrete, wire, and ash in soil across the Site, underlain by native material consisting of light brown silty sand with trace gravel, during this mobilization

3.2.3 Soil Analytical Results

Laboratory analytical results were compared to NYSDEC New York Codes, Rules and Regulations (NYCRR) Part 375-6.8(a) UUSCOs, RRSCOs, CUSCOs, and PGSCOs. The analytical results for the soil samples are summarized in **Table 2** and presented in **Figure 4.** Laboratory analytical reports are included in **Appendix C.**

A soil sample collected at SB-24 from 0 to 2 ft bgs in the vicinity of the backfilled excavation / former gasoline UST along the southern boundary of former Tax Lot 13 tank contained SVOCs at concentrations that exceeded RRSCOs including Chrysene (4.2 mg/kg vs 3.9 mg/kg), Indeno(1,2,3-cd)pyrene (2.2 mg/kg vs. 0.5 mg/kg), and Benzo(b)fluoranthene (4.7 mg/kg vs. 3.9 mg/kg). SVOC concentrations exceeding CUSCOs include Dibenzo(a,h)anthracene (0.61 mg/kg vs. 0.56 mg/kg). SVOC concentrations exceeding IUSCOs include Benzo(a)anthracene (4.4 mg/kg vs. 1.1 mg/kg) and Benzo(a)pyrene (4.5 mg/kg).

The 2022 GPR survey indicated an anomaly identified as a possible UST at former Tax Lot 12). SB-18, which was advanced immediately downgradient of the possible UST identified in the 2022 geophysical survey, met with refusal at 4 ft bgs. A soil sample collected from 0 to 4 ft bgs did not contain COPCs at concentrations exceeding applicable SCOs or exhibit any field evidence of a petroleum release. On May 2, 2025, LaBella advanced a test pit within the footprint of the anomaly to a depth of 2.5 ft bgs. The test pit revealed the presence of historic fill, including black sand and pieces of brick and glass. There was no evidence of a UST.

The following summarizes exceedances of applicable SCOs identified as part of the 2022 Supplemental Phase II ESA.

Unrestricted Use SCO Exceedances:

Soil samples from the following on-Site soil boring locations contained COPCs that exceeded the applicable UUSCOs.

Metals

- SB-20 (0-4') contained Copper (79.8 mg/kg vs 50 mg/kg UUSCO) and Mercury (0.5 mg/kg vs 0.19 mg/kg UUSCO)
- SB-21 (0-2') contained Lead (max. 283 mg/kg vs 63 mg/kg UUSCO) and Mercury (0.44 mg/kg vs 0.18 mg/kg UUSCO)
- SB-24 (0-2') contained Lead (226 mg/kg vs 63 mg/kg UUSCO) and Mercury (0.4 mg/kg vs 0.18 mg/kg UUSCO)
- SB-25 (0-2') contained Lead (91.9 mg/kg vs 63 mg/kg UUSCO)
- SB-26 (0-2') contained Lead (223 mg/kg vs 63 mg/kg UUSCO) and Mercury (0.25 mg/kg vs 0.18 mg/kg UUSCO) and Zinc (246 mg/kg vs 109 mg/kg)
- SB-27 (0-2') contained Zinc (212 mg/kg vs 109 mg/kg UUSCO) and Mercury (0.48 mg/kg vs 0.18 mg/kg UUSCO)
- SB-27 (2-4') contained Chromium (31.7 mg/kg vs 30 mg/kg UUSCO), Manganese (1,840 mg/kg vs 1600 mg/kg UUSCO), and Zinc (171 mg/kg vs 109 mg/kg UUSCO)
- SB-28 (0-2') contained Lead (194 mg/kg vs 63 mg/kg UUSCO) and Zinc (163 mg/kg vs 109 mg/kg UUSCO)
- SB-29 (0-2') contained Lead (209 mg/kg vs 63 mg/kg UUSCO), Mercury (0.31 mg/kg vs 0.18 mg/kg UUSCO), and Zinc (259 mg/kg vs 109 mg/kg UUSCO)
- SB-29 (2-4') contained Chromium (42.8 mg/kg vs 30 mg/kg UUSCO), Lead (163 mg/kg vs 63 mg/kg UUSCO), Manganese (1,800 mg/kg vs 1600 mg/kg UUSCO), and Nickel (37.9 mg/kg vs 30 mg/kg UUSCO)
- SB-30 (0-2') contained Lead (157 mg/kg vs 63 mg/kg UUSCO), Mercury (0.68 mg/kg vs 0.18 mg/kg UUSCO), and Zinc (162 mg/kg vs 109 mg/kg UUSCO)
- SB-30 (2-4') contained Copper (55.7 mg/kg vs 50 mg/kg UUSCO) and Zinc (462 mg/kg vs 109 mg/kg UUSCO)
- SB-31 (0-2') contained Lead (362 mg/kg vs 63 mg/kg UUSCO) and Mercury (0.72 mg/kg vs 0.18 mg/kg UUSCO)
- SB-32 (0-2') contained Lead (249 mg/kg vs 63 mg/kg UUSCO), Mercury (0.34 mg/kg vs 0.18 mg/kg UUSCO), and Zinc (222 mg/kg vs 109 mg/kg UUSCO)

Pesticides

- SB-30 (2-4) contained 4,4'-DDE (0.0068 mg/kg vs 0.0033 mg/kg UUSCO)

Restricted Residential Use SCO Exceedances

Soil samples from the following on-Site soil boring locations contained COPCs that exceeded the

applicable RRSCOs:

SVOCs

- SB-24 (0-2') contained Benzo(a)anthracene (3.4 mg/kg vs 1 mg/kg RRSCO), Benzo(b)fluoranthene (2.9 mg/kg vs 1 mg/kg RRSCO), Dibenzo(a,h)anthracene (0.36 mg/kg vs 0.33 mg/kg RRSCO), and Indeno(1,2,3-cd)pyrene (2.1 mg/kg vs 0.5 mg/kg RRSCO)
- SB-26 (0-2') contained Benzo(a)anthracene (4.4 mg/kg vs 1 mg/kg RRSCO), Benzo(b)fluoranthene (4.7 mg/kg vs 1 mg/kg RRSCO), Chrysene (4.2 mg/kg vs 3.9 mg/kg RRSCO) and Indeno(1,2,3-cd) pyrene (2.2 mg/kg vs 0.5 mg/kg RRSCO)
- SB-30 (2-4') contained Benzo(k)fluoranthene (6.1 mg/kg vs 3.9 mg/kg RRSCO), Chrysene (4.1 mg/kg vs 3.9 mg/kg RRSCO), and Indeno(1,2,3-cd) pyrene (4.9 mg/kg vs 0.5 mg/kg RRSCO)
- SB-31 (0-2') contained Indeno(1,2,3-cd) pyrene (0.63 mg/kg vs 0.5 mg/kg RRSCO)
- SB-32 (0-2') contained Indeno(1,2,3-cd) pyrene (0.82 mg/kg vs 0.5 mg/kg RRSCO)

Metals

- SB-20 (0-4') contained Lead (948 mg/kg vs 400 mg/kg RRSCO)
- SB-24 (0-2') contained Zinc (201 mg/kg vs 10000 mg/kg RRSCO)
- SB-30 (2-4') contained Lead (536 mg/kg vs 400 mg/kg RRSCO), Mercury (0.83 mg/kg vs 0.81 mg/kg RRSCO)
- SB-31 (0-2') contained Indeno(1,2,3-cd)pyrene (0.63 mg/kg vs 0.5 mg/kg RRSCO)
- SB-32 (0-2') contained Indeno(1,2,3-cd)pyrene (0.82 mg/kg vs 0.5 mg/kg RRSCO)

Commercial Use SCO Exceedances:

Soil samples from the following on-Site soil boring locations contained COPCs that exceeded the applicable CUSCOs:

SVOCs

- SB-25 (0-2') contained Dibenzo(a,h)anthracene (0.61 mg/kg vs 0.56 mg/kg CUSCO)
- SB-30 (2-4') contained Benzo(a)anthracene (8 mg/kg vs 5.6 mg/kg CUSCO) and Benzo(b)fluoranthene (7.9 mg/kg vs 5.6 mg/kg CUSCO)

Metals

- SB-20 (0-4') contained Barium (420 mg/kg vs 400 mg/kg CUSCO)

Industrial Use SCO Exceedances:

Soil samples from the following on-Site soil boring locations contained COPCs that exceeded the applicable IUCSOs:

SVOCs

- SB-24 (0-2') contained Benzo(a)pyrene (2.9 mg/kg vs 1.1 mg/kg IUSCO)

- SB-26 (0-2') contained Benzo(a)pyrene (4.5 mg/kg vs. 1.1 mg/kg IUSCO)
- SB-30 (2-4) contained Benzo(a)pyrene (7.3 mg/kg vs. 1.1 mg/kg IUSCO), and Dibenzo(a,h)anthracene (1.1 mg/kg vs. 1.1 mg/kg IUSCO)

Metals

- SB-20 (0-4') contained Arsenic (22.4 mg/kg vs 16 mg/kg IUSCO)
- SB-21 (0-2') contained Arsenic (29.7 mg/kg vs 16 mg/kg IUSCO)
- SB-27 (2-4') contained Arsenic (54 mg/kg vs 16 mg/kg IUSCO)
- SB-29 (0-2') contained Arsenic (16.5 mg/kg vs 16 mg/kg IUSCO)
- SB-29 (2-4') contained Arsenic (83.8 mg/kg vs 16 mg/kg IUSCO)

Protection of Groundwater SCO Exceedances

In addition to the exceedances of the UUSCOs, RUSCOs, and CUSCOs indicated above, soil samples from the following on-Site soil boring locations also contained COPCs that exceeded the applicable PGSCOs:

VOCs

- SB-20 (0-4') contained Acetone (0.13 mg/kg vs 0.05 mg/kg PGSCO)
- SB-21 (0-2') contained Acetone (0.079 mg/kg vs 0.05 mg/kg PGSCO)
- SB-30 (2-4') contained Acetone (0.085 mg/kg vs 0.05 mg/kg PGSCO)

SVOCs

- SB-24 (0-2') contained Benzo(a)anthracene (3.4 mg/kg vs 1 mg/kg PGSCO), Benzo(b)fluoranthene (2.9 mg/kg vs 1.7 mg/kg PGSCO), and Benzo(k)fluoranthene (2.3 mg/kg vs 1.7 mg/kg PGSCO)
- SB-26 (0-2') contained Benzo(a)anthracene (4.4 mg/kg vs 1 mg/kg PGSCO), Benzo(b)fluoranthene (4.7 mg/kg vs 1.7 mg/kg PGSCO), Benzo(k)fluoranthene (3.7 mg/kg vs 1.7 mg/kg PGSCO), and Chrysene (4.2 mg/kg vs 1 mg/kg PGSCO).
- SB-30 (2-4') contained Benzo(a)anthracene (8 mg/kg vs 1 mg/kg PGSCO), Benzo(b)fluoranthene (7.9 mg/kg vs 1.7 mg/kg PGSCO), Benzo(k)fluoranthene (6.1 mg/kg vs 1.7 mg/kg PGSCO), and Crysene (4.1 mg/kg vs 1 mg/kg PGSCO)

Metals

- SB-20 (0-4') contained Arsenic (22.4 mg/kg vs 16 mg/kg PGSCO), and Lead (948 mg/kg vs 450 mg/kg PGSCO)
- SB-21 (0-2') contained Arsenic (29.7 mg/kg vs 16 mg/kg PGSCO)
- SB-27 (2-4') contained Arsenic (54 mg/kg vs 16 mg/kg PGSCO)

- SB-29 (0-2') contained Arsenic (16.5 mg/kg vs 16 mg/kg PGSCO)
- SB-29 (2-4') contained Arsenic (83.8 mg/kg vs 16 mg/kg PGSCO)
- SB-30 (2-4') contained Lead (536 mg/kg vs 450 mg/kg PGSCO), and Mercury (0.83 mg/kg vs 0.73 mg/kg PGSCO)

3.3 Groundwater Investigation Activities

3.3.1 Groundwater Investigation Methodology

LaBella oversaw the installation of 4 temporary monitoring wells constructed of 1-inch schedule 40 PVC using direct push Geoprobe methodology. Off-site monitoring well MW-04 was installed on the southeastern position of former Tax Lot 5 to a depth of approximately 6.5 ft bgs. Off-site monitoring well MW-05 was installed downgradient of the former elevator pits and gasoline UST on former Tax Lot 13 to a depth of 5 ft bgs with a 4.5 ft screen. MW-6 was installed at SB-24 in the vicinity of the backfilled excavation / former gasoline UST to a depth of 8 ft bgs with a 5 ft screen. MW-7 was installed at SB-25 in the northwestern portion of the Site to a depth of 6 ft bgs with a 5 ft screen. Following sample collection, the wells were removed and backfilled with native material, silica sand, and bentonite hole plug as deemed appropriate. The surface was restored with soil, cold patch asphalt or concrete.

Groundwater samples were placed in a cooler on ice and sent under standard chain of custody to Phoenix Environmental Laboratories in Farmingdale, New York. Samples were analyzed for the Full List Part NYSDEC Part 375 parameters, as well as PFAS and 1,4-Dioxane with Category B deliverables plus, QA/QC samples. The QA/QC consisted of one MS/MSD, one field duplicate, and one trip blank. Well construction logs are included in **Appendix B.**

3.3.2 Field Observations

Groundwater was measured to be approximately 2.5 to 7.5 ft bgs. Groundwater flow direction is inferred to be to the west-southwest towards the Hudson River.

3.3.3 Groundwater Analytical Results

Groundwater analytical data was compared to New York State Technical Operating Series 1.1.1 New York Ambient Water Quality Standards (AWQS).

There were no exceedances detected from the samples collected from the onsite wells (MW-06 and MW-07). Groundwater samples collected from the off-Site, downgradient wells (MW-04 and MW-05) contained exceedances of the AWQS for metals. VOCs and SVOCs were not detected in exceedance of AWQS in the off-Site wells. The analytical results for groundwater samples collected in 2021 and 2022 are summarized in **Table 3** and presented in **Figure 5.** Laboratory analytical reports are included in **Appendix C.**

3.4 Soil Vapor Investigation Activities

3.4.1 Soil Vapor Investigation Methodology

On April 6, 2022, LaBella collected eleven (11) air samples (SVP-01 through SVP-04, IA-01 through IA-04, SG-01 through SG-03) including one outdoor ambient air sample and one field duplicate to evaluate the potential for a completed vapor intrusion pathway to exist under future development of

the Site. LaBella collected co-located sub-slab and indoor air samples at each of the four (4) residential properties located on Main Street and four (4) soil vapor samples from approximately 5 ft bgs throughout the properties to evaluate vapor intrusion pathways associated with potential on-site or upgradient, off-Site sources.

Soil vapor samples were collected from approximately 5 ft bgs in former Tax Lots 5, 6, 7, 8, 12, and 17. Samples were collected using 6-liter SUMMA® canisters with flow regulators pre-set to provide uniform sample collection over a 2-hour period. Soil vapor samples were analyzed according to EPA Air Method – TO-15 with Category B deliverables.

Air sampling was performed consistent with the applicable procedures described in ASTM International (ASTM) E2600-15 "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" and the October 2006 New York State Department of Health "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH Vapor Intrusion Guidance Document) protocols. Soil vapor sampling involved the installation of temporary soil vapor probes to approximately 5-ft. bgs. Prior to soil vapor sampling, approximately two to three probe volumes were purged at a flow rate less than 0.2 liters per minute.

VOC concentrations were recorded during purging utilizing a PID. A tracer gas (Helium, He) was used to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal at the ground surface. A portable helium monitoring device was used to analyze a sample of soil vapor for the helium tracer prior to sampling. At the conclusion of the sampling event, tracer monitoring was performed a second time to confirm the integrity of the probe seals. The soil vapor probes were left in place. A soil vapor sampling field form is included in **Appendix B.**

3.4.2 Soil Vapor Investigation Findings

New York State does not have remedial standards for soil vapor. Soil vapor sampling results were compared to NYSDOH air guideline values (AGV) and USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile, and the applicable Matrices (A, B, and C) of the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in New York (2006 with subsequent updates dated May 2017 and February 2024).

The sub-slab soil vapor sample collected at SVP-02, the indoor air sample collected IA-01, and the soil vapor sample collected at SG-03 did not contain COPCs at concentrations that exceed the minimum action thresholds established by the NYSDOH Guidance. However, concentrations of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-butadiene, benzene, carbon disulfide, chloroform, ethylbenzene, o-xylene, tetrachloroethene, and toluene exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile at SG-03 at former Tax Lot 17 and the concentration of chloroform exceeds the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile at SVP-02 at former Tax Lot 12.

Sub-slab soil vapor sampling results are presented on **Table 3** and **Figure 6.** Laboratory analytical reports are included in **Appendix C.**

4.0 CONCLUSIONS AND RECOMMENDATIONS

LaBella performed a Phase II ESA in multiple phases (2021 and 2022) at the Site including former Tax Lots 13, 16, 17, and 18 (Current Tax Lot 17) consisting of a soil, groundwater, and soil vapor investigation to investigate previously identified RECs based on historic Site use, and to evaluate BCP eligibility for future site redevelopment purposes.

A total of 27 on-Site soil samples were collected from a total of five test pits and 25 soil borings, with 12 samples collected in 2021 and 15 samples collected in 2022 to investigate the following 6 AOCs.

AOC 1 - Contaminated Historic Fill Material

Evidence of Contaminated Historic Fill Material (CHFM) including C&D, bricks, concrete, wire, and ash was observed to a depth of up to 10 ft bgs in soil across the Site. VOCs, SVOCs, Metals, and Pesticides were detected at concentrations in exceedance of respective UUSCOs, RRSCOs, CUSCOs at soil samples collected from soil borings throughout the Site and in many several instances at concentrations in exceedance of respective IUSCO and PGSCOs.

AOC 2 – Former Elevator Pits

Two former elevator pits were identified on Sanborn maps from 1950, 1958, 1964, 1971, and 1972. At SB-04, which was advanced at the former western elevator pit, apparent hydrocarbon odors and grey staining were observed at 8 to 10 ft bgs. A soil sample collected at SB-04 from 8 to 10 ft bgs contained several SVOCs and Metals exceeding UUSCOs, including benzo(k)fluoranthene (1 mg/kg vs 1 mg/kg), lead (125 mg/kg vs 63 mg/kg), and zinc (110 mg/kg vs. 109 mg/kg). Several SVOCs exceeded RRSCOs, including benzo(b)fluoranthene (1.17 mg/kg vs. 1 mg/kg), chrysene (1.2 vs 1 mg/kg), and indeno(1,2,3-cd) pyrene (0.943 mg/kg vs 0.5 mg/kg). The SVOC Benzo(a)anthracene was detected in concentrations exceeding IUSCOs for (1.14 mg/kg vs 1 mg/kg).

AOC 3 - Anomaly Identified as Possible UST (northeast corner of former Tax Lot 13)

Test pit TP-01 was advanced at the location of a possible UST identified in the 2021 geophysical survey at approximately 2 to 2.5 ft bgs. Soil analytical results indicate that metals are present at concentrations in exceedance of UUSCOs at 7 ft bgs, including Lead (380 mg/kg), Mercury (182 mg/kg), and Zinc (0.48 mg/kg). There was no field evidence of a UST or petroleum release during subsurface investigation activities.

AOC 4 - Backfilled Excavation / Former Gasoline UST (1905 Sanborn Map)

The 2021 geophysical survey identified a possible backfilled excavation at 2 to 8 ft bgs along the southern boundary of former Tax Lot 13. This excavated area appears to be the location of the gasoline UST identified on the 1905 Sanborn map indicating that the former gasoline UST has been removed and the excavation backfilled.

As part of the 2021 Phase II ESA, at SB-07, which was advanced downgradient of the former elevator pits and backfilled excavation / former gasoline UST, apparent hydrocarbon odors, grey staining, and elevated PID readings were observed from 6 to 11 ft bgs. A soil sample collected at SB-07 from 6 to 8 ft bgs contained several VOCs exceeding UUSCOs including 1,2,4-Trimethylbenzene (3.9 mg/kg), Ethyl Benzene (3.7 mg/kg), Methylene chloride (1.3 mg/kg), n-Propylbenzene (5.9 mg/kg), and the SVOC Naphthalene (46 mg/kg). A groundwater sample collected at MW-02, located downgradient of the

elevator pits and the backfilled excavation / former gasoline UST, contained concentrations of VOCs, SVOCs, and metals in exceedance of the AWQS. Including naphthalene (48,400 ug/L) and phenanthrene (61,400 ug/L) were detected at elevated concentrations in exceedance of AWQS. As a result, a spill was reported to NYSDEC on August 16, 2021, and Spill Number 2104650 was assigned.

As part of the 2022 Supplemental Phase II ESA, a soil sample collected at SB-24 from 0 to 2 ft bgs in the vicinity of the backfilled excavation / former gasoline UST contained SVOCs at concentrations that exceeded RRSCOs including Chrysene (4.2 mg/kg vs 3.9 mg/kg), Indeno(1,2,3-cd)pyrene (2.2 mg/kg vs. 0.5 mg/kg), and Benzo(b)fluoranthene (4.7 mg/kg vs. 3.9 mg/kg). SVOC concentrations exceeding CUSCOs include Dibenzo(a,h)anthracene (0.61 mg/kg vs. 0.56 mg/kg). SVOC concentrations exceeding IUSCOs include Benzo(a)anthracene (4.4 mg/kg vs. 1.1 mg/kg) and Benzo(a)pyrene (4.5 mg/kg).

Groundwater samples from the three monitoring wells contained VOCs, SVOCs, and metals exceeding the applicable AWQS. The presence of naphthalene and phenanthrene in groundwater at MW-02, and numerous SVOCs in soil at SB-04, SB-07, and SB-24, may be attributable to a historical release of petroleum hydrocarbons, coal tar, and / or the manufacturing of synthetic dyes in connection with the former gasoline UST and / or the former elevator pits. Groundwater samples collected from the off-Site, downgradient wells (MW-04 and MW-05) did not contain VOCs or SVOCs at concentrations that exceeded the applicable AWQS indicating that there is no off-site migration of contaminated groundwater associated with Spill Number 2104650.

AOC 5 – Upgradient, Off-Site Groundwater

A groundwater sample collected at MW-01, located near the eastern boundary of former Tax Lot 13 and upgradient of the former elevator pits and gasoline UST, contained concentrations of VOCs, SVOCs, and metals in exceedance of the AWQS. The presence of VOCs and SVOCs at MW-01 may indicate the presence of an up-gradient source of contaminated groundwater migrating onto the Subject Property.

AOC 6 – Anomaly Identified as Possible UST (Former Tax Lot 12)

An anomaly present at approximately 1 ft bgs at former Tax Lot 12 was identified as a possible UST in the 2022 geophysical survey. SB-18, which was advanced immediately downgradient of the anomaly, met with refusal after hitting bedrock at 4 ft bgs. A soil sample collected from 0 to 4 ft bgs did not contain COPCs at concentrations exceeding applicable SCOs or exhibit any field evidence of a petroleum release. On May 2, 2025, LaBella advanced a test pit within the footprint of the anomaly to a depth of 2.5 ft bgs. The test pit revealed the presence of historic fill, including black sand and pieces of brick and glass. There was no evidence of a UST at this location.

Soil analytical results 34 exceedances of applicable RRSCOs, 5 exceedances of applicable CUSCOs, 16 exceedances of applicable IUSCOs, and 44 exceedances of applicable PGSCOs. Groundwater samples from the three monitoring wells contained VOCs, SVOCs, and metals exceeding the applicable AWQS. The presence of naphthalene and phenanthrene in groundwater at MW-02 and numerous SVOCs in soil at SB-04, SB-07, and SB-24, may be attributable to a historical release of petroleum hydrocarbons, coal tar, and / or the manufacturing of synthetic dyes in connection with the former gasoline UST and / or the former elevator pits. The results of the 2021 and 2022 Phase II ESA

investigations indicate that the Site is eligible for entry into the BCP. Further site characterization should be performed as part a Remedial Investigation to complete the characterization of on-site groundwater and soil vapor conditions to support the development of a remedial action plan for soil and groundwater. NYSDEC Spill No. 2104650 will be remediated under the BCP. There is no off-site migration of contaminated groundwater associated with Spill Number 2104650.

TABLES

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							OFFSITE																															
							1122 Main Street (Lot #5)								1124 Main Street (Lot #6)												1132 Main Street (Lot #7)				1134 Main Street (Lot #8)							
Sample ID							SB-12 (0-2)		SB-13 (0-2)		SB-14 (0-2)		SB-14 (4-6)		SB-15 (0-2)		SB-15 (2-4)		SB-16 (0-2)		SB-16 (2-4)		SB-17 (0-2)		SB-17 (2-4)		SB-22 (0-2)		SB-22 (2-4)		SB-23 (0-2)		SB-23 (2-4)					
Laboratory ID																																						
Sampling Date							4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022					
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil					
Compound	**CAS number**	**NYSDEC Part 375 Unrestricted Use SCOs**	**NYSDEC Part 375 Restricted Residential SCOs**	**NYSDEC Part 375 Commercial Restricted Use SCOs**	**NYSDEC Part 375 Industrial Restricted Use SCOs**	**NYSDEC Part 375 Restricted Use Protection of GW - SCOs**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q				
VOA, 8260 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg					
Dilution Factor																																						
1,1,1-Trichloroethane	71-55-6	0.68	100	500	1000	0.68	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,1-Dichloroethane	75-34-3	0.27	26	240	480	0.27	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,1-Dichloroethylene	75-35-4	0.33	100	500	1000	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	380	3.6	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	1.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2-Dichloroethane	107-06-2	0.02	3.1	30	60	0.02	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	380	8.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,3-Dichlorobenzene	541-73-1	2.4	49	280	560	2.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,4-Dioxane	123-91-1	0.1	13	130	250	0.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT					
2-Butanone	78-93-3	0.12	100	500	1000	0.12	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT					
Acetone	67-64-1	0.05	100	500	1000	0.05	ND		ND		ND		ND		ND		0.0091	JS	ND		ND		ND		ND		0.095	S	0.069	S	0.055	S	0.044	S				
Benzene	71-43-2	0.06	4.8	44	89	0.06	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Carbon tetrachloride	56-23-5	0.76	2.4	22	44	0.76	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Chlorobenzene	108-90-7	1.1	100	500	1000	1.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Chloroform	67-66-3	0.37	49	350	700	0.37	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	1000	0.25	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Ethyl Benzene	100-41-4	1	41	390	780	1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	1000	0.93	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012	U	0.01	U	0.012	U	0.011	U				
Methylene chloride	75-09-2	0.05	100	500	1000	0.05	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012	U	0.01	U	0.012	U	0.011	U				
Naphthalene	91-20-3	12	100	500	1000	12	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
n-Butylbenzene	104-51-8	12	100	500	1,000	12	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
n-Propylbenzene	103-65-1	3.9	100	500	1000	3.9	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
o-Xylene	95-47-6	~	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
p- & m- Xylenes	179601-23-1	~	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
sec-Butylbenzene	135-98-8	11	100	500	1000	11	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
tert-Butylbenzene	98-06-6	5.9	100	500	1000	5.9	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Tetrachloroethylene	127-18-4	1.3	19	150	300	1.3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Toluene	108-88-3	0.7	100	500	1000	0.7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	1000	0.19	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Trichloroethylene	79-01-6	0.47	21	200	400	0.47	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012	U	0.01	U	0.012	U	0.011	U				
Vinyl Chloride	75-01-4	0.02	0.9	13	27	0.02	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Xylenes, Total	1330-20-7	0.26	100	500	1000	1.6	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,1,2,2-Tetrachloroethane	630-20-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,1,2-Trichloroethane	79-00-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,1-Dichloropropene	563-58-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2,3-Trichlorobenzene	87-61-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2,3-Trichloropropane	96-18-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2,4-Trichlorobenzene	120-82-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2-Dibromo-3-chloropropane	96-12-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2-Dibromoethane	106-93-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,2-Dichloropropane	78-87-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
1,3-Dichloropropane	142-28-9						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
2,2-Dichloropropane	594-20-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
2-Chlorotoluene	95-49-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
2-Hexanone	591-78-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.03	U	0.026	U	0.031	U	0.028	U				
2-Isopropyltoluene	527-84-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
4-Chlorotoluene	106-43-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
4-Methyl-2-pentanone	108-10-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.03	U	0.026	U	0.031	U	0.028	U				
Acrylonitrile	107-13-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012	U	0.01	U	0.012	U	0.011	U				
Bromobenzene	108-86-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Bromochloromethane	74-97-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Bromodichloromethane	75-27-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Bromoform	75-25-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Bromomethane	74-83-9						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Carbon Disulfide	75-15-0						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Chloroethane	75-00-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Chloromethane	74-87-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
cis-1,3-Dichloropropene	10061-01-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Dibromochloromethane	124-48-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Dibromomethane	74-95-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Dichlorodifluoromethane	75-71-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Hexachlorobutadiene	87-68-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Isopropylbenzene	98-82-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Methyl Ethyl Ketone	78-93-3	0.12	100	500			ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.03		0.02	J	0.016	J	0.0094	J				
p-Isopropyltoluene	99-87-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Styrene	100-42-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Tetrahydrofuran (THF)	109-99-9						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012	U	0.01	U	0.012	U	0.011	U				
trans-1,3-Dichloropropene	10061-02-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
trans-1,4-dichloro-2-butene	110-57-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Trichlorofluoromethane	75-69-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
Trichlorotrifluoroethane	76-13-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059	U	0.0051	U	0.0062	U	0.0057	U				
SVOA, 8270 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg					
Dilution Factor																																						
2-Methylphenol	95-48-7	0.33	100	500	1000	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
3- & 4-Methylphenols	65794-96-9	0.33	100	500	1000	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
Acenaphthene	83-32-9	20	100	500	1000	98	ND		ND		ND		ND		0.19	J	ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Acenaphthylene	208-96-8	100	100	500	1000	107	0.28	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.18	J	0.31	U				
Anthracene	120-12-7	100	100	500	1000	1000	0.26	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.19	J	0.31	U				
Benzo(a)anthracene	56-55-3	1	1	5.6	11	1	1.9		0.35	J	0.38		0.41		ND		0.23	J	ND		ND		ND		ND		0.28	U	0.28	U	1.1		0.31	U				
Benzo(a)pyrene	50-32-8	1	1	1	1.1	22	1.9		0.32	J	0.48		0.41		ND		0.24	J	ND		ND		ND		ND		0.28	U	0.28	U	1.6		0.31	U				
Benzo(b)fluoranthene	205-99-2	1	1	5.6	11	1.7	1.8		0.26	J	0.5	J	0.42		ND		0.19	J	ND		ND		ND		ND		0.28	U	0.28	U	1.6		0.31	U				
Benzo(g,h,i)perylene	191-24-2	100	100	500	1000	1000	0.92		0.17	J	0.34	J	0.24	J	ND		0.17	J	ND		ND		ND		ND		0.28	U	0.28	U	1.1		0.31	U				
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	110	1.7	1.8		0.32	J	0.42		0.41		ND		0.19	J	ND		ND		ND		ND		0.28	U	0.28	U	1.4		0.31	U				
Chrysene	218-01-9	1	3.9	56	110	1	2.1		0.37	J	0.48		0.47		ND		0.28	J	ND		ND		ND		ND		0.28	U	0.28	U	1.6		0.31	U				
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.56	1.1	1000	0.29		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.28		0.31	U				
Dibenzofuran	132-64-9	7	59	350	1000	210	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Fluoranthene	206-44-0	100	100	500	1000	1000	3.4		0.62	J	0.74	J	0.73	J	0.12	J	0.38	J	ND		0.2	J	ND		ND		0.28	U	0.28	U	2.7		0.31	U				
Fluorene	86-73-7	30	100	500	1000	386	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Hexachlorobenzene	118-74-1	0.33	1.2	6	12	3.2	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	11	8.2	1.2		0.2	J	0.38	J	0.26	J	ND		0.19	J	ND		ND		ND		ND		0.28	U	0.28	U	1.2		0.31	U				
Naphthalene	91-20-3	12	100	500	1000	12	0.14	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Pentachlorophenol	87-86-5	0.8	6.7	6.7	55	0.8	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
Phenanthrene	85-01-8	100	100	500	1000	1000	1.3		0.34	J	0.31	J	0.33	J	ND		0.2	J	ND		ND		ND		ND		0.28	U	0.28	U	0.73		0.31	U				
Phenol	108-95-2	0.33	100	500	1000	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
Pyrene	129-00-0	100	100	500	1000	1000	3		0.51	J	0.68	J	0.66	J	0.26	J	0.42	J	ND		0.22	J	ND		ND		0.28	U	0.28	U	2.5		0.31	U				
1,2,4,5-Tetrachlorobenzene	95-94-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
1,2,4-Trichlorobenzene	120-82-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	1,000	1.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
1,2-Diphenylhydrazine	122-66-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	560	2.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,2'-Oxybis(1-Chloropropane)	108-60-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,4,5-Trichlorophenol	95-95-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,4,6-Trichlorophenol	88-06-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,4-Dichlorophenol	120-83-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,4-Dimethylphenol	105-67-9						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,4-Dinitrophenol	51-28-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
2,4-Dinitrotoluene	121-14-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2,6-Dinitrotoluene	606-20-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2-Chloronaphthalene	91-58-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2-Chlorophenol	95-57-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2-Methylnaphthalene	91-57-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
2-Nitroaniline	88-74-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
2-Nitrophenol	88-75-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
3,3'-Dichlorobenzidine	91-94-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
3-Nitroaniline	99-09-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
4,6-Dinitro-2-methylphenol	534-52-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
4-Bromophenyl phenyl ether	101-55-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U				
4-Chloro-3-methylphenol	59-50-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
4-Chloroaniline	106-47-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
4-Chlorophenyl phenyl ether	7005-72-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U				
4-Nitroaniline	100-01-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.63	U	0.63	U	0.61	U	0.7	U				

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							OFFSITE																															
							1122 Main Street (Lot #5)								1124 Main Street (Lot #6)														1132 Main Street (Lot #7)				1134 Main Street (Lot #8)					
Sample ID							SB-12 (0-2)		SB-13 (0-2)		SB-14 (0-2)		SB-14 (4-6)		SB-15 (0-2)		SB-15 (2-4)		SB-16 (0-2)		SB-16 (2-4)		SB-17 (0-2)		SB-17 (2-4)		SB-22 (0-2)		SB-22 (2-4)		SB-23 (0-2)		SB-23 (2-4)			
Laboratory ID																																						
Sampling Date							4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/5/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022			
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	**CAS number**	**NYSDEC Part 375 Unrestricted Use SCOs**	**NYSDEC Part 375 Restricted Residential SCOs**	**NYSDEC Part 375 Commercial Restricted Use SCOs**	**NYSDEC Part 375 Industrial Restricted Use SCOs**	**NYSDEC Part 375 Restricted Use Protection of GW - SCOs**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
4-Nitrophenol	100-02-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Acetophenone	98-86-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Aniline	62-53-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Benzidine	92-87-5						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Benzoic acid	65-85-0						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.79	U	0.79	U	0.76	U	0.88	U		
Benzyl butyl phthalate	85-68-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Bis(2-chloroethoxy)methane	111-91-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Bis(2-chloroethyl)ether	111-44-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Bis(2-ethylhexyl)phthalate	117-81-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Carbazole	86-74-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Diethyl phthalate	84-66-2						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Dimethylphthalate	131-11-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Di-n-butylphthalate	84-74-2						ND		ND		ND		ND		ND		ND		ND		0.12	J	ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Di-n-octylphthalate	117-84-0						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Hexachlorobutadiene	87-68-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Hexachlorocyclopentadiene	77-47-4						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Hexachloroethane	67-72-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Isophorone	78-59-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
Nitrobenzene	98-95-3						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
N-Nitrosodimethylamine	62-75-9						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
N-Nitrosodi-n-propylamine	621-64-7						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.28	U	0.28	U	0.27	U	0.31	U		
N-Nitrosodiphenylamine	86-30-6						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Pentachloronitrobenzene	82-68-8						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Pyridine	110-86-1						ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4	U	0.4	U	0.38	U	0.44	U		
Metals, NYSDEC Part 375		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Dilution Factor																																						
Arsenic	7440-38-2	13	16	16	16	16	10.1		9.59		4.82		6.37		3.48		**21.8**		12.2		9.37		10.3		2.45		4.08		3.01		6.46		4.67			
Barium	7440-39-3	350	400	400	10000	820	**386**		192		127		193		116		139		110		**489**		87.9		64		133		84.7		213		112			
Beryllium	7440-41-7	7.2	72	590	2700	47	0.49		0.38		0.46		0.36		0.26	J	0.49		0.46		0.41		0.25	J	0.38		0.55		0.4		0.45		0.49			
Cadmium	7440-43-9	2.5	4.3	9.3	60	7.5	1.76		1.7		1.23		1.48		1.15		2.27		1.39		1.43		0.35	U	0.39	U	1.31		0.96		1.49		1.05			
Chromium	7440-47-3	30	-	-	-	-	24.8		21.1		29.7		21.7		17.6		20.2		18.9		22.9		11.4		18		19.3		14		18.7		23.1			
Copper	7440-50-8	50	270	270	10000	1720	**61.5**		47.3		22.7		50		26		**86.7**		**59.2**		44.9		35.6		34		28.8		19.3		**62.3**		20.5			
Lead	7439-92-1	63	400	1000	3900	450	**1,310**		**100**		**121**		**1,040**		22.3		**301**		40.6		**201**		4.6		12.7		**118**		46		**436**		54.4			
Manganese	7439-96-5	1600	2000	10000	10000	2000	323		282		259		246		174		863		306		246		235		180		320		262		322		245			
Nickel	7440-02-0	30	310	310	10000	130	16.5		17.3		14.1		18.9		12.4		16.8		15.2		13.8		8.64		11.4		14.6		9.46		13.1		14			
Selenium	7782-49-2	3.9	180	1500	6800	4	1.5	U	1.5	U	1.5	U	1.6	U	1.5	U	1.6	U	1.7	U	1.6	U	1.4	U	1.6	U	1.5	U	1.6	U	1.4	U	1.8	U		
Silver	7440-22-4	2	180	1500	6800	8.3	0.39	U	0.39	U	0.39	U	0.46	U	0.37	U	0.41	U	0.43	U	0.39	U	0.35	U	0.39	U	0.37	U	0.39	U	**2.15**		0.45	U		
Zinc	7440-66-6	109	10000	10000	10000	2480	**499**		83.4		107		**220**		57.4		**180**		71.1		109		39.8		56.3		74.5		38.3		**257**		55.3			
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.7	**1.78**		**0.56**		**0.24**		**0.96**		**0.25**		**0.67**		**0.28**		**0.83**		0.03	U	0.03	U	**1.46**		**0.91**		**2.05**		0.28	U		
Trivalent Chromium	16065-83-3	30	180	1,500	6,800		24.8		21.1		29.7		21.7		17.6		20.2		18.9		22.9		11.4		18		19.3		14		18.7		23.1			
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.73	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
Total Solids							%		%		%		%		%		%		%		%		%		%		%		%		%		%			
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
% Solids		-	-	-	-	-	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
PCB, 8082 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Dilution Factor																																						
Aroclor 1016	12674-11-2	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1221	11104-28-2	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1232	11141-16-5	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1242	53469-21-9	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1248	12672-29-6	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1254	11097-69-1	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Aroclor 1260	11096-82-5	0.1	-	-	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
PCB-1262	37324-23-5	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
PCB-1268	11100-14-4	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Total PCBs	1336-36-3	0.1	1	1	25	3.2	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
Chlorinated Herbicides By SW8151A																																						
2,4,5-T	93-76-5						0.15	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U	0.14	U	0.16	U		
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	1000	3.8	0.15	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U	0.14	U	0.16	U		
2,4-D	94-75-7						0.3	U	0.3	U	0.32	U	0.29	U	0.28	U	0.31	U	0.33	U	0.31	U	0.29	U	0.29	U	0.3	U	0.3	U	0.29	U	0.33	U		
2,4-DB	94-82-6						3	U	3	U	3.2	U	2.9	U	2.8	U	3.1	U	3.3	U	3.1	U	2.9	U	2.9	U	3	U	3	U	2.9	U	3.3	U		
Dalapon	75-99-0						0.15	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U	0.14	U	0.16	U		
Dicamba	1918-00-9						0.15	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U	0.14	U	0.16	U		
Dichloroprop	120-36-5						0.3	U	0.3	U	0.32	U	0.29	U	0.28	U	0.31	U	0.33	U	0.31	U	0.29	U	0.29	U	0.3	U	0.3	U	0.29	U	0.33	U		
Dinoseb	88-85-7						0.3	U	0.3	U	0.32	U	0.29	U	0.28	U	0.31	U	0.33	U	0.31	U	0.29	U	0.29	U	0.3	U	0.3	U	0.29	U	0.33	U		
1,4-dioxane By SW8260C																																						
1,4-dioxane	123-91-1	0.1	13.	130.			0.1	U	0.092	U	0.1	U	0.085	U	0.068	U	0.1	U	0.079	U	0.1	U	0.072	U	0.077	U	0.089	U	0.077	U	0.093	U	0.085	U		
Miscellaneous/Inorganics																																						
Percent Solid		-	-	-			81		82		77		86		88		80		74		79		86		86				82		85		75			
Chromium, Hex. (SW3060 digestion)	18540-29-9	1	110	400	800	19	0.44	U	0.44	U	0.47	U	0.44	U	0.44	U	0.5	U	0.54	U	0.44	U	0.41	U	0.41	U	0.49	U	0.45	U	0.44	U	0.45	U		
pH at 25C - Soil		-	-	-			7.62		7.54		7.14		7.31		7.23		7.06		6.95		7.16		7.13		7.15		7.2		7.25		7.94		6.98			
Redox Potential		-	-	-			275		283		317		396		-25.4		19.5		78.9		129		239		280		-39.7		-122		-4.9		-57.3			
Total Cyanide (SW9010C, Distill.)	57-12-5	27	27	27	10000	40	0.69		0.61	U	0.45	J	0.53	U	0.36	U	0.57	U	0.61	U	0.63	U	0.53	U	0.53	U	0.55	U	0.61	U	0.59	U	0.67	U		
Pesticides - Soil By SW8081B																																						
4,4' -DDD	72-54-8	0.0033	13	92	180	14	0.0024	U	0.0024	U	0.0025	U	0.0023	U	0.0022	U	0.0025	U	0.0027	U	0.0025	U	0.0023	U	0.0023	U	0.0024	U	0.0024	U	0.0023	U	0.0026	U		
4,4' -DDE	72-55-9	0.0033	8.9	62	120	17	0.0024	U	0.0024	U	0.0025	U	0.0023	U	0.0022	U	0.0025	U	0.0027	U	**0.0045**		0.0023	U	0.0023	U	0.0024	U	0.0024	U	**0.012**		0.0026	U		
4,4' -DDT	50-29-3	0.0033	7.9	47	94	136	0.0024	U	0.0024	U	0.0025	U	**0.004**		0.0022	U	**0.0036**		0.0027	U	0.0025	U	0.0023	U	0.0023	U	0.0024	U	0.0024	U	0.0023	U	0.0026	U		
a-BHC	319-84-6	0.02	0.48	3.4	6.8	0.02	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
a-Chlordane	5103-71-9	0.094	4.2	24	47	2.9	0.004	U	0.0041	U	0.0042	U	0.0038	U	0.0037	U	0.0041	U	0.0044	U	0.03		0.0038	U	0.0038	U	0.004	U	0.004	U	0.065		0.024			
Alachlor	15972-60-8	-	-	-	-	-	0.004	U	0.0041	U	0.0042	U	0.0038	U	0.0037	U	0.0041	U	0.0044	U	0.0042	U	0.0038	U	0.0038	U	0.004	U	0.004	U	0.0039	U	0.0044	U		
Aldrin	309-00-2	0.005	0.097	0.68	1.4	0.19	0.004	U	0.0041	U	0.0042	U	0.0038	U	0.0037	U	0.0041	U	0.0044	U	0.0042	U	0.0038	U	0.0038	U	0.004	U	0.004	U	0.0039	U	0.0044	U		
b-BHC	319-85-7	0.036	0.36	3	14	0.09	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Chlordane	57-74-9	-	-	-	-	-	0.04	U	0.041	U	0.042	U	0.038	U	0.037	U	0.041	U	0.044	U	0.1		0.038	U	0.038	U	0.04	U	0.04	U	0.47		0.15			
d-BHC	319-86-8	0.04	100	500	1000	0.25	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Dieldrin	60-57-1	0.005	0.2	1.4	2.8	0.1	0.004	U	0.0041	U	0.0042	U	0.0038	U	0.0037	U	0.0041	U	0.0044	U	0.0042	U	0.0038	U	0.0038	U	0.004	U	0.004	U	0.0039	U	0.0044	U		
Endosulfan I	959-98-8	2.4	24	200	920	102	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Endosulfan II	33213-65-9	2.4	24	200	920	102	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Endosulfan sulfate	1031-07-8	2.4	24	200	920	1000	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Endrin	72-20-8	0.014	11	89	410	0.06	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Endrin aldehyde	7421-93-4	-	-	-			0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Endrin ketone	53494-70-5	-	-	-			0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
g-BHC	58-89-9	0.1	1.3	9.2	23	0.1	0.0016	U	0.0016	U	0.0017	U	0.0015	U	0.0015	U	0.0016	U	0.0018	U	0.0017	U	0.0015	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0018	U		
g-Chlordane	5103-74-2	-	-	-			0.004	U	0.0041	U	0.0042	U	0.0038	U	0.0037	U	0.0041	U	0.0044	U	0.012		0.0038	U	0.0038	U	0.004	U	0.004	U	0.056		0.03			
Heptachlor	76-44-8	0.042	0.38	15	29	0.38	0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Heptachlor epoxide	1024-57-3	-	-	-			0.008	U	0.0081	U	0.0084	U	0.0076	U	0.0074	U	0.0082	U	0.0089	U	0.0084	U	0.0076	U	0.0075	U	0.0079	U	0.0079	U	0.0078	U	0.0088	U		
Methoxychlor	72-43-5	-	-	-			0.04	U	0.041	U	0.042	U	0.038	U	0.037	U	0.041	U	0.044	U	0.042	U	0.038	U	0.038	U	0.04	U	0.04	U	0.039	U	0.044	U		
Toxaphene	8001-35-2	-	-	-			0.16	U	0.16	U	0.17	U	0.15	U	0.15	U	0.16	U	0.18	U	0.17	U	0.15	U	0.15	U	0.16	U	0.16	U	0.16	U	0.18	U		

NOTES:

NY-UUSCO: Exceeds New York NYCRR Part 375 New York Unrestricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RRSCO: Exceeds New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-CUSCO Exceeds New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-IUSCO: Exceeds New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-PGWSCO: Exceeds New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

^^=this indicates that no regulatory limit has been established for this analyte

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

Sample ID / Laboratory ID / Sampling Date / Sample Matrix	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restrictred Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-01 (2-4ft)		SB-02 (2-4ft)		SB-03 (2-4ft)		SB-04 (8-10ft)		SB-06 (5-7ft)		SB-07 (6-8ft)		SB-08 (1-3ft)		SB-09 (7-8ft)		SB-10 (2-4ft)		SB-18 (0-4)		SB-19 (0-2)	
							ON-SITE																					
							Lot 13				Lot #16		Lot #13						Lot #17				Lot #16		Lot #13		114 N Broad Street (Lot #12)	
Laboratory ID							21H0777-01		21H0777-02		21H0777-03		21H0777-04		21H0777-05		21H0777-06		21H0777-07		21H0777-08		21H0777-09					
Sampling Date							8/16/2021 8:45		8/16/2021 9:15:00 AM		8/16/2021 9:40:00 AM		8/16/2021 10:20:00 AM		8/16/2021 11:20:00 AM		8/16/2021 11:30:00 AM		8/16/2021 12:35:00 PM		8/16/2021 1:30:00 PM		8/16/2021 1:55:00 PM		4/5/2022		4/5/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor													100		1		200				1							
1,1,1-Trichloroethane	71-55-6	0.68	100	500	1000	0.68	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,1-Dichloroethane	75-34-3	0.27	26	240	480	0.27	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,1-Dichloroethylene	75-35-4	0.33	100	500	1000	0.33	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	380	3.6	NT		NT		NT		0.31	U	0.0021	U	**3.9**	D	NT		0.002	U	NT		ND		ND	
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	1.1	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,2-Dichloroethane	107-06-2	0.02	3.1	30	60	0.02	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	380	8.4	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,3-Dichlorobenzene	541-73-1	2.4	49	280	560	2.4	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
1,4-Dioxane	123-91-1	0.1	13	130	250	0.1	NT		NT		NT		6.1	U	0.043	U	9	U	NT		0.041	U	NT		NT		NT	
2-Butanone	78-93-3	0.12	100	500	1000	0.12	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		NT		NT	
Acetone	67-64-1	0.05	100	500	1000	0.05	NT		NT		NT		0.61	U	0.0043	U	0.9	U	NT		0.0062	J	NT		ND		ND	
Benzene	71-43-2	0.06	4.8	44	89	0.06	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Carbon tetrachloride	56-23-5	0.76	2.4	22	44	0.76	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Chlorobenzene	108-90-7	1.1	100	500	1000	1.1	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Chloroform	67-66-3	0.37	49	350	700	0.37	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	1000	0.25	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Ethyl Benzene	100-41-4	1	41	390	780	1	NT		NT		NT		0.31	U	0.0021	U	**3.7**	D	NT		0.002	U	NT		ND		ND	
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	1000	0.93	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Methylene chloride	75-09-2	0.05	100	500	1000	0.05	NT		NT		NT		0.61	U	0.0043	U	**1.3**	JBD	NT		0.0041	U	NT		ND		0.0069	S
Naphthalene	91-20-3	12	100	500	1000	12	NT		NT		NT		0.31	U	0.0021	U	**46**	D	NT		0.002	U	NT		ND		ND	
n-Butylbenzene	104-51-8	12	100	500	1,000	12	NT		NT		NT		0.31	U	0.0021	U	4.6	D	NT		0.002	U	NT		ND		ND	
n-Propylbenzene	103-65-1	3.9	100	500	1000	3.9	NT		NT		NT		0.31	U	0.0021	U	**5.9**	D	NT		0.002	U	NT		ND		ND	
o-Xylene	95-47-6	~	~	~	~	~	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
p- & m- Xylenes	179601-23-1	~	~	~	~	~	NT		NT		NT		0.61	U	0.0043	U	0.9	U	NT		0.0041	U	NT		ND		ND	
sec-Butylbenzene	135-98-8	11	100	500	1000	11	NT		NT		NT		0.31	U	0.0021	U	3.8	D	NT		0.002	U	NT		ND		ND	
tert-Butylbenzene	98-06-6	5.9	100	500	1000	5.9	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Tetrachloroethylene	127-18-4	1.3	19	150	300	1.3	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Toluene	108-88-3	0.7	100	500	1000	0.7	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	1000	0.19	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Trichloroethylene	79-01-6	0.47	21	200	400	0.47	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Vinyl Chloride	75-01-4	0.02	0.9	13	27	0.02	NT		NT		NT		0.31	U	0.0021	U	0.45	U	NT		0.002	U	NT		ND		ND	
Xylenes, Total	1330-20-7	0.26	100	500	1000	1.6	NT		NT		NT		0.92	U	0.0064	U	1.4	U	NT		0.0061	U	NT		ND		ND	
1,1,2,2-Tetrachloroethane	630-20-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,1,2-Trichloroethane	79-00-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,1-Dichloropropene	563-58-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2,3-Trichlorobenzene	87-61-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2,3-Trichloropropane	96-18-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2,4-Trichlorobenzene	120-82-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2-Dibromo-3-chloropropane	96-12-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2-Dibromoethane	106-93-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2-Dichloropropane	78-87-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,3-Dichloropropane	142-28-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
2,2-Dichloropropane	594-20-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
2-Chlorotoluene	95-49-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
2-Hexanone	591-78-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
2-Isopropyltoluene	527-84-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
4-Chlorotoluene	106-43-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
4-Methyl-2-pentanone	108-10-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Acrylonitrile	107-13-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Bromobenzene	108-86-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Bromochloromethane	74-97-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Bromodichloromethane	75-27-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Bromoform	75-25-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Bromomethane	74-83-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Carbon Disulfide	75-15-0						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Chloroethane	75-00-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Chloromethane	74-87-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
cis-1,3-Dichloropropene	10061-01-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Dibromochloromethane	124-48-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Dibromomethane	74-95-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Dichlorodifluoromethane	75-71-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Hexachlorobutadiene	87-68-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Isopropylbenzene	98-82-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Methyl Ethyl Ketone	78-93-3	0.12	100	500			NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
p-Isopropyltoluene	99-87-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Styrene	100-42-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Tetrahydrofuran (THF)	109-99-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
trans-1,3-Dichloropropene	10061-02-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
trans-1,4-dichloro-2-butene	110-57-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Trichlorofluoromethane	75-69-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
Trichlorotrifluoroethane	76-13-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
SVOA, 8270 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							10		10		2		2		2		25		2		2		2					
2-Methylphenol	95-48-7	0.33	100	500	1000	0.33	0.0472	U	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
3- & 4-Methylphenols	65794-96-9	0.33	100	500	1000	0.33	0.0472	U	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
Acenaphthene	83-32-9	20	100	500	1000	98	0.355	D	0.256	JD	0.049	U	0.174	D	0.0489	U	0.246	U	0.0542	JD	0.0457	U	0.0481	U	ND		ND	
Acenaphthylene	208-96-8	100	100	500	1000	107	0.451	D	0.705	D	0.049	U	0.252	D	0.0489	U	0.246	U	0.0866	JD	0.0457	U	0.096	D	ND		ND	
Anthracene	120-12-7	100	100	500	1000	1000	1.4	D	1.52	D	0.049	U	0.614	D	0.0489	U	2.1	D	0.162	D	0.0457	U	0.121	D	ND		ND	
Benzo(a)anthracene	56-55-3	1	1	5.6	11	1	**3.34**	D	**4.88**	D	0.049	U	**1.14**	D	0.0489	U	0.246	U	0.514	D	0.0457	U	0.352	D	ND		ND	
Benzo(a)pyrene	50-32-8	1	1	1	1.1	22	**3.2**	D	**4.85**	D	0.049	U	**1.23**	D	0.0489	U	0.246	U	0.55	D	0.0457	U	0.384	D	ND		ND	
Benzo(b)fluoranthene	205-99-2	1	1	5.6	11	1.7	**2.94**	D	**5.06**	D	0.049	U	**1.17**	D	0.0489	U	0.246	U	0.527	D	0.0457	U	0.352	D	ND		ND	
Benzo(g,h,i)perylene	191-24-2	100	100	500	1000	1000	2.38	D	3.88	D	0.049	U	0.790	D	0.0489	U	0.246	U	0.398	D	0.0457	U	0.284	D	ND		ND	
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	110	1.7	**2.73**	D	**4.15**	D	0.049	U	**1**	D	0.0489	U	0.246	U	0.458	D	0.0457	U	0.342	D	ND		ND	
Chrysene	218-01-9	1	3.9	56	110	1	**3.31**	D	**5.07**	D	0.049	U	**1.2**	D	0.0489	U	0.246	U	0.561	D	0.0457	U	0.395	D	ND		ND	
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.56	1.1	1000	**0.755**	D	**1.32**	D	0.049	U	0.327	D	0.0489	U	0.246	U	0.152	D	0.0457	U	0.111	D	ND		ND	
Dibenzofuran	132-64-9	7	59	350	1000	210	0.24	D	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
Fluoranthene	206-44-0	100	100	500	1000	1000	7.72	D	10.2	D	0.0555	JD	2.46	D	0.0489	U	0.408	JD	1.06	D	0.0457	U	0.773	D	ND		ND	
Fluorene	86-73-7	30	100	500	1000	386	0.392	D	0.283	JD	0.049	U	0.461	D	0.0489	U	12.9	D	0.0813	JD	0.0457	U	0.0481	U	ND		ND	
Hexachlorobenzene	118-74-1	0.33	1.2	6	12	3.2	0.0472	U	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	11	8.2	**2.74**	D	**4.3**	D	0.049	U	**0.943**	D	0.0489	U	0.246	U	0.465	D	0.0457	U	0.311	D	ND		ND	
Naphthalene	91-20-3	12	100	500	1000	12	0.205	D	0.236	U	0.049	U	0.0468	U	0.0489	U	**23**	D	0.101	D	0.0457	U	0.0481	U	ND		ND	
Pentachlorophenol	87-86-5	0.8	6.7	6.7	55	0.8	0.0472	U	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
Phenanthrene	85-01-8	100	100	500	1000	1000	5.47	D	6.09	D	0.049	U	1.51	D	0.0489	U	26	D	0.599	D	0.0457	U	0.421	D	ND		ND	
Phenol	108-95-2	0.33	100	500	1000	0.33	0.0472	U	0.236	U	0.049	U	0.0468	U	0.0489	U	0.246	U	0.0472	U	0.0457	U	0.0481	U	ND		ND	
Pyrene	129-00-0	100	100	500	1000	1000	5.75	D	8.7	D	0.0516	JD	2.19	D	0.0489	U	1.45	D	0.924	D	0.0457	U	0.669	D	ND		ND	
1,2,4,5-Tetrachlorobenzene	95-94-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	
1,2,4-Trichlorobenzene	120-82-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND	

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																																	
							Lot 13				Lot #16		Lot #13						Lot #17				Lot #16		Lot #13		114 N Broad Street (Lot #12)													
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-01 (2-4ft)		SB-02 (2-4ft)		SB-03 (2-4ft)		SB-04 (8-10ft)		SB-06 (5-7ft)		SB-07 (6-8ft)		SB-08 (1-3ft)		SB-09 (7-8ft)		SB-10 (2-4ft)		SB-18 (0-4)		SB-19 (0-2)													
Laboratory ID							21H0777-01		21H0777-02		21H0777-03		21H0777-04		21H0777-05		21H0777-06		21H0777-07		21H0777-08		21H0777-09															
Sampling Date							8/16/2021 8:45		8/16/2021 9:15:00 AM		8/16/2021 9:40:00 AM		8/16/2021 10:20:00 AM		8/16/2021 11:20:00 AM		8/16/2021 11:30:00 AM		8/16/2021 12:35:00 PM		8/16/2021 1:30:00 PM		8/16/2021 1:55:00 PM		4/5/2022		4/5/2022											
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil											
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q										
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	1,000	1.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
1,2-Diphenylhydrazine	122-66-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	560	2.4	NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,2'-Oxybis(1-Chloropropane)	108-60-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4,5-Trichlorophenol	95-95-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4,6-Trichlorophenol	88-06-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4-Dichlorophenol	120-83-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4-Dimethylphenol	105-67-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4-Dinitrophenol	51-28-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,4-Dinitrotoluene	121-14-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2,6-Dinitrotoluene	606-20-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2-Chloronaphthalene	91-58-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2-Chlorophenol	95-57-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2-Methylnaphthalene	91-57-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2-Nitroaniline	88-74-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
2-Nitrophenol	88-75-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
3,3'-Dichlorobenzidine	91-94-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
3-Nitroaniline	99-09-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4,6-Dinitro-2-methylphenol	534-52-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Bromophenyl phenyl ether	101-55-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Chloro-3-methylphenol	59-50-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Chloroaniline	106-47-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Chlorophenyl phenyl ether	7005-72-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Nitroaniline	100-01-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
4-Nitrophenol	100-02-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Acetophenone	98-86-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Aniline	62-53-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Benzidine	92-87-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Benzoic acid	65-85-0						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Benzyl butyl phthalate	85-68-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Bis(2-chloroethoxy)methane	111-91-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Bis(2-chloroethyl)ether	111-44-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Bis(2-ethylhexyl)phthalate	117-81-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Carbazole	86-74-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Diethyl phthalate	84-66-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Dimethylphthalate	131-11-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Di-n-butylphthalate	84-74-2						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Di-n-octylphthalate	117-84-0						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Hexachlorobutadiene	87-68-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Hexachlorocyclopentadiene	77-47-4						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Hexachloroethane	67-72-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Isophorone	78-59-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Nitrobenzene	98-95-3						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
N-Nitrosodimethylamine	62-75-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
N-Nitrosodi-n-propylamine	621-64-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
N-Nitrosodiphenylamine	86-30-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Pentachloronitrobenzene	82-68-8						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Pyridine	110-86-1						NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Metals, NYSDEC Part 375		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg											
Dilution Factor							1		1		1		1		1		1		1		1		1															
Arsenic	7440-38-2	13	16	16	16	16	7.11		8.4		9.06		8.62		3.18		3.53		**13.1**		9.96		7.4		2.2		2.87											
Barium	7440-39-3	350	400	400	10000	820	111		141		117		128		89.2		113		155		63.5		170		79.9		87.8											
Beryllium	7440-41-7	7.2	72	590	2700	47	0.057	U	0.057	U	0.06	U	0.057	U	0.06	U	0.06	U	0.058	U	0.056	U	0.058	U	0.36		0.37											
Cadmium	7440-43-9	2.5	4.3	9.3	60	7.5	0.659		0.634		0.358	U	0.35		0.362	U	0.36	U	0.349	U	0.334	U	0.498		0.36		0.98											
Chromium	7440-47-3	30	~	~	~	~	15.1		16.9		23.2		23.1		19.7		19.4		25.8		12.1		21.7		17.2		16.2											
Copper	7440-50-8	50	270	270	10000	1720	33.4		41.9		39.2		40.9		11.8		23.5		37.7		22.5		39.4		49.4		28.3											
Lead	7439-92-1	63	400	1000	3900	450	**407**		**258**		**96.5**		**125**		8.41		26		**211**		3.54		**228**		22.1		51.3											
Manganese	7439-96-5	1600	2000	10000	10000	2000	263		247		371		295		137		245		323		144		362		470		313											
Nickel	7440-02-0	30	310	310	10000	130	17.9		17.4		18.3		19		14.4		18.7		20.6		14.9		17.6		11.4		12.4											
Selenium	7782-49-2	3.9	180	1500	6800	4	2.84	U	2.86	U	2.98	U	2.86	U	3.01	U	3	U	2.91	U	2.78	U	2.91	U	1.3	U	1.4	U										
Silver	7440-22-4	2	180	1500	6800	8.3	0.568	U	0.571	U	0.596	U	0.572	U	0.603	U	0.6	U	0.582	U	0.556	U	0.581	U	0.33	U	0.35	U										
Zinc	7440-66-6	109	10000	10000	10000	2480	**178**		**200**		70		**110**		43.9		56.6		**177**		30.6		**235**		62.4		43.3											
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.7	NT		NT		NT		NT		NT		NT		NT		NT				0.03	U	0.13											
Trivalent Chromium	16065-83-3	30	180	1,500	6,800		NT		NT		NT		NT		NT		NT		NT		NT		NT		17.2		16.2											
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg											
Dilution Factor							1		1		1		1		1		1		1		1		1		NT		NT											
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.73	**0.881**		**1.17**		0.0468		**0.412**		0.0362	U	0.0401		**6.59**		0.0334	U	**0.927**		NT		NT											
Total Solids							%		%		%		%		%		%		%		%		%		%		%											
Dilution Factor							1		1		1		1		1		1		1		1		1		NT		NT											
% Solids		~	~	~	~	~	88.1		87.6		83.8		87.4		82.9		83.4		86		89.9		86		NT		NT											
PCB, 8082 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg											
Dilution Factor							1						1		1		1																					
Aroclor 1016	12674-11-2	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1221	11104-28-2	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1232	11141-16-5	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1242	53469-21-9	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1248	12672-29-6	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1254	11097-69-1	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
Aroclor 1260	11096-82-5	0.1	~	~	~	~	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		ND		ND											
PCB-1262	37324-23-5	0.1					NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
PCB-1268	11100-14-4	0.1					NT		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND											
Total PCBs	1336-36-3	0.1	1	1	25	3.2	NT		NT		NT		0.0189	U	0.0198	U	0.0197	U	NT		NT		NT		NT		NT											
Chlorinated Herbicides By SW8151A																																						
2,4,5-T	93-76-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.14	U	0.14	U										
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	1000	3.8	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.14	U	0.14	U										
2,4-D	94-75-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.28	U	0.28	U										
2,4-DB	94-82-6						NT		NT		NT		NT		NT		NT		NT		NT		NT		2.8	U	2.8	U										
Dalapon	75-99-0						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.14	U	0.14	U										
Dicamba	1918-00-9						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.14	U	0.14	U										
Dichloropropr	120-36-5						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.28	U	0.28	U										
Dinoseb	88-85-7						NT		NT		NT		NT		NT		NT		NT		NT		NT		0.28	U	0.28	U										
1,4-dioxane By SW8260C																																						
1,4-dioxane	123-91-1	0.1	13.	130.			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.064	U	0.082	U										
Miscellaneous/Inorganics																																						
Percent Solid		-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		88		87											
Chromium, Hex. (SW3060 digestion)	18540-29-9	1	110	400	800	19	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.4	U	0.42	U										
pH at 25C - Soil		-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		7.71		7.04											
Redox Potential		-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		280		325											
Total Cyanide (SW9010C Distill.)	57-12-5	27	27	27	10000	40	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.57	U	0.57	U										

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																							
							Lot 13				Lot #16		Lot #13				Lot #17				Lot #16		Lot #13		114 N Broad Street (Lot #12)	
Sample ID							SB-01 (2-4ft)		SB-02 (2-4ft)		SB-03 (2-4ft)		SB-04 (8-10ft)		SB-06 (5-7ft)		SB-07 (6-8ft)		SB-08 (1-3ft)		SB-09 (7-8ft)		SB-10 (2-4ft)		SB-18 (0-4)		SB-19 (0-2)	
Laboratory ID							21H0777-01		21H0777-02		21H0777-03		21H0777-04		21H0777-05		21H0777-06		21H0777-07		21H0777-08		21H0777-09					
Sampling Date							8/16/2021 8:45		8/16/2021 9:15:00 AM		8/16/2021 9:40:00 AM		8/16/2021 10:20:00 AM		8/16/2021 11:20:00 AM		8/16/2021 11:30:00 AM		8/16/2021 12:35:00 PM		8/16/2021 1:30:00 PM		8/16/2021 1:55:00 PM		4/5/2022		4/5/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides - Soil By SW8081B																														
4,4' -DDD	72-54-8	0.0033	13	92	180	14	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0023	U	0.0022	U
4,4' -DDE	72-55-9	0.0033	8.9	62	120	17	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0023	U	0.0022	U
4,4' -DDT	50-29-3	0.0033	7.9	47	94	136	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0023	U	0.0022	U
a-BHC	319-84-6	0.02	0.48	3.4	6.8	0.02	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
a-Chlordane	5103-71-9	0.094	4.2	24	47	2.9	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0038	U	0.0037	U
Alachlor	15972-60-8	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0038	U	0.0037	U
Aldrin	309-00-2	0.005	0.097	0.68	1.4	0.19	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0038	U	0.0037	U
b-BHC	319-85-7	0.036	0.36	3	14	0.09	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Chlordane	57-74-9	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.038	U	0.037	U
d-BHC	319-86-8	0.04	100	500	1000	0.25	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Dieldrin	60-57-1	0.005	0.2	1.4	2.8	0.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0038	U	0.0037	U
Endosulfan I	959-98-8	2.4	24	200	920	102	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Endosulfan II	33213-65-9	2.4	24	200	920	102	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Endosulfan sulfate	1031-07-8	2.4	24	200	920	1000	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Endrin	72-20-8	0.014	11	89	410	0.06	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Endrin aldehyde	7421-93-4	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Endrin ketone	53494-70-5	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
g-BHC	58-89-9	0.1	1.3	9.2	23	0.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0015	U	0.0015	U
g-Chlordane	5103-74-2	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0038	U	0.0037	U
Heptachlor	76-44-8	0.042	0.38	15	29	0.38	NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Heptachlor epoxide	1024-57-3	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.0075	U	0.0074	U
Methoxychlor	72-43-5	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.038	U	0.037	U
Toxaphene	8001-35-2	-	-	-			NT		NT		NT		NT		NT		NT		NT		NT		NT		0.15	U	0.15	U

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																									
							114 N Broad Street (Lot #12)		Lot #7		1134 Main Street (Lot #8)				Lot #13				1125 Howard Street (Lot #18)				1131 Howard Street (Lot #17)									
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-19 (2-4)		SB-20 (0-4)		SB-21 (0-2)		SB-21 (2-4)		SB-24 (0-2)		SB-24 (5-7)		SB-25 (0-2)		SB-25 (5-7)		SB-26 (0-2)		SB-26 (2-4)		SB-27 (0-2)	
Laboratory ID																														
Sampling Date							4/5/2022		4/5/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor																												
1,1,1-Trichloroethane	71-55-6	0.68	100	500	1000	0.68	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,1-Dichloroethane	75-34-3	0.27	26	240	480	0.27	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,1-Dichloroethylene	75-35-4	0.33	100	500	1000	0.33	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	380	3.6	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	1.1	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	60	0.02	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	380	8.4	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	560	2.4	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,4-Dioxane	123-91-1	0.1	13	130	250	0.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
2-Butanone	78-93-3	0.12	100	500	1000	0.12	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Acetone	67-64-1	0.05	100	500	1000	0.05	ND		**0.13**	S	**0.079**	S	ND		0.035	U	0.0087	JS	0.029	U	0.028	U	0.035	U	0.022	U	0.028	U
Benzene	71-43-2	0.06	4.8	44	89	0.06	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Carbon tetrachloride	56-23-5	0.76	2.4	22	44	0.76	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Chlorobenzene	108-90-7	1.1	100	500	1000	1.1	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Chloroform	67-66-3	0.37	49	350	700	0.37	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	1000	0.25	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Ethyl Benzene	100-41-4	1	41	390	780	1	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	1000	0.93	ND		ND		ND		ND		0.014	U	0.0096	U	0.011	U	0.011	U	0.014	U	0.0088	U	0.011	U
Methylene chloride	75-09-2	0.05	100	500	1000	0.05	ND		ND		ND		ND		0.014	U	0.0096	U	0.0063	JS	0.011	U	0.014	U	0.0046	JS	0.011	U
Naphthalene	91-20-3	12	100	500	1000	12	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
n-Butylbenzene	104-51-8	12	100	500	1,000	12	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
n-Propylbenzene	103-65-1	3.9	100	500	1000	3.9	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
o-Xylene	95-47-6	~	~	~	~	~	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
sec-Butylbenzene	135-98-8	11	100	500	1000	11	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
tert-Butylbenzene	98-06-6	5.9	100	500	1000	5.9	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Tetrachloroethylene	127-18-4	1.3	19	150	300	1.3	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Toluene	108-88-3	0.7	100	500	1000	0.7	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	1000	0.19	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Trichloroethylene	79-01-6	0.47	21	200	400	0.47	ND		ND		ND		ND		0.014	U	0.0096	U	0.011	U	0.011	U	0.014	U	0.0088	U	0.011	U
Vinyl Chloride	75-01-4	0.02	0.9	13	27	0.02	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Xylenes, Total	1330-20-7	0.26	100	500	1000	1.6	ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,1,2,2-Tetrachloroethane	630-20-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,1,2-Trichloroethane	79-00-5						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,1-Dichloropropene	563-58-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2,3-Trichlorobenzene	87-61-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2,3-Trichloropropane	96-18-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2,4-Trichlorobenzene	120-82-1						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2-Dibromo-3-chloropropane	96-12-8						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2-Dibromoethane	106-93-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,2-Dichloropropane	78-87-5						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
1,3-Dichloropropane	142-28-9						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
2,2-Dichloropropane	594-20-7						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
2-Chlorotoluene	95-49-8						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
2-Hexanone	591-78-6						ND		ND		ND		ND		0.035	U	0.024	U	0.029	U	0.028	U	0.035	U	0.022	U	0.028	U
2-Isopropyltoluene	527-84-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
4-Chlorotoluene	106-43-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
4-Methyl-2-pentanone	108-10-1						ND		ND		ND		ND		0.035	U	0.024	U	0.029	U	0.028	U	0.035	U	0.022	U	0.028	U
Acrylonitrile	107-13-1						ND		ND		ND		ND		0.014	U	0.0096	U	0.011	U	0.011	U	0.014	U	0.0088	U	0.011	U
Bromobenzene	108-86-1						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Bromochloromethane	74-97-5						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Bromodichloromethane	75-27-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Bromoform	75-25-2						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Bromomethane	74-83-9						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Carbon Disulfide	75-15-0						ND		ND		0.0013	J	ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Chloroethane	75-00-3						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Chloromethane	74-87-3						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
cis-1,3-Dichloropropene	10061-01-5						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Dibromochloromethane	124-48-1						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Dibromomethane	74-95-3						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Dichlorodifluoromethane	75-71-8						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Hexachlorobutadiene	87-68-3						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Isopropylbenzene	98-82-8						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Methyl Ethyl Ketone	78-93-3	0.12	100	500			ND		0.034	J	0.022	J	ND		0.035	U	0.024	U	0.029	U	0.028	U	0.035	U	0.022	U	0.028	U
p-Isopropyltoluene	99-87-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Styrene	100-42-5						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Tetrahydrofuran (THF)	109-99-9						ND		ND		ND		ND		0.014	U	0.0096	U	0.011	U	0.011	U	0.014	U	0.0088	U	0.011	U
trans-1,3-Dichloropropene	10061-02-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
trans-1,4-dichloro-2-butene	110-57-6						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Trichlorofluoromethane	75-69-4						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
Trichlorotrifluoroethane	76-13-1						ND		ND		ND		ND		0.007	U	0.0048	U	0.0057	U	0.0055	U	0.0069	U	0.0044	U	0.0056	U
SVOA, 8270 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor																												
2-Methylphenol	95-48-7	0.33	100	500	1000	0.33	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.33	U	0.33	U	0.28	U	0.3	U
3- & 4-Methylphenols	65794-96-9	0.33	100	500	1000	0.33	ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U
Acenaphthene	83-32-9	20	100	500	1000	98	ND		ND		ND		ND		0.47	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U
Acenaphthylene	208-96-8	100	100	500	1000	107	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.89		0.28	U	0.3	U
Anthracene	120-12-7	100	100	500	1000	1000	ND		ND		ND		ND		1.3		0.27	U	0.27	U	0.43	U	0.53		0.28	U	0.3	U
Benzo(a)anthracene	56-55-3	1	1	5.6	11	1	ND		ND		ND		ND		**3.4**		0.27	U	0.27	U	0.43	U	**4.4**		0.28	U	0.2	J
Benzo(a)pyrene	50-32-8	1	1	1	1.1	22	ND		ND		ND		ND		**2.9**		0.27	U	0.27	U	0.43	U	**4.5**		0.28	U	0.18	J
Benzo(b)fluoranthene	205-99-2	1	1	5.6	11	1.7	ND		0.15	J	ND		ND		**2.9**		0.27	U	0.27	U	0.43	U	**4.7**		0.28	U	0.18	J
Benzo(g,h,i)perylene	191-24-2	100	100	500	1000	1000	ND		ND		ND		ND		1.6		0.27	U	0.27	U	0.43	U	1.4		0.28	U	0.3	U
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	110	1.7	ND		ND		ND		ND		**2.3**		0.27	U	0.27	U	0.43	U	**3.7**		0.28	U	0.15	J
Chrysene	218-01-9	1	3.9	56	110	1	ND		0.18	J	ND		ND		**3.7**		0.27	U	0.27	U	0.43	U	**4.2**		0.28	U	0.21	J
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.56	1.1	1000	ND		ND		ND		ND		**0.36**		0.27	U	0.27	U	0.33	U	**0.61**		0.28	U	0.3	U
Dibenzofuran	132-64-9	7	59	350	1000	210	ND		ND		ND		ND		0.38		0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U
Fluoranthene	206-44-0	100	100	500	1000	1000	ND		0.21	J	ND		0.16	J	4		0.27	U	0.27	U	0.43	U	5.5		0.28	U	0.41	
Fluorene	86-73-7	30	100	500	1000	386	ND		ND		ND		ND		0.53		0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U
Hexachlorobenzene	118-74-1	0.33	1.2	6	12	3.2	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.33	U	0.33	U	0.28	U	0.3	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	11	8.2	ND		ND		ND		ND		**2.1**		0.27	U	0.27	U	0.43	U	**2.2**		0.28	U	0.3	U
Naphthalene	91-20-3	12	100	500	1000	12	ND		ND		ND		ND		0.3		0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	55	0.8	ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U
Phenanthrene	85-01-8	100	100	500	1000	1000	ND		0.12	J	ND		0.13	J	7.2		0.27	U	0.27	U	0.43	U	0.75		0.28	U	0.25	J
Phenol	108-95-2	0.33	100	500	1000	0.33	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.33	U	0.33	U	0.28	U	0.3	U
Pyrene	129-00-0	100	100	500	1000	1000	ND		0.2	J	ND		ND		6.7		0.27	U	0.27	U	0.43	U	6.2		0.28	U	0.34	
1,2,4,5-Tetrachlorobenzene	95-94-3						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U
1,2,4-Trichlorobenzene	120-82-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																											
							114 N Broad Street (Lot #12)		Lot #7		1134 Main Street (Lot #8)				Lot #13				1125 Howard Street (Lot #18)				1131 Howard Street (Lot #17)											
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-19 (2-4)		SB-20 (0-4)		SB-21 (0-2)		SB-21 (2-4)		SB-24 (0-2)		SB-24 (5-7)		SB-25 (0-2)		SB-25 (5-7)		SB-26 (0-2)		SB-26 (2-4)		SB-27 (0-2)							
Laboratory ID							4/5/2022		4/5/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022							
Sampling Date							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil							
Sample Matrix																																		
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	1,000	1.1	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
1,2-Diphenylhydrazine	122-66-7						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	560	2.4	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,2'-Oxybis(1-Chloropropane)	108-60-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,4,5-Trichlorophenol	95-95-4						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,4,6-Trichlorophenol	88-06-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,4-Dichlorophenol	120-83-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,4-Dimethylphenol	105-67-9						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,4-Dinitrophenol	51-28-5						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
2,4-Dinitrotoluene	121-14-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2,6-Dinitrotoluene	606-20-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2-Chloronaphthalene	91-58-7						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2-Chlorophenol	95-57-8						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2-Methylnaphthalene	91-57-6						ND		ND		ND		ND		0.25	J	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
2-Nitroaniline	88-74-4						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
2-Nitrophenol	88-75-5						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
3,3'-Dichlorobenzidine	91-94-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
3-Nitroaniline	99-09-2						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
4,6-Dinitro-2-methylphenol	534-52-1						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
4-Bromophenyl phenyl ether	101-55-3						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
4-Chloro-3-methylphenol	59-50-7						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
4-Chloroaniline	106-47-8						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
4-Chlorophenyl phenyl ether	7005-72-3						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
4-Nitroaniline	100-01-6						ND		ND		ND		ND		0.64	U	0.62	U	0.62	U	0.98	U	0.75	U	0.63	U	0.68	U						
4-Nitrophenol	100-02-7						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Acetophenone	98-86-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Aniline	62-53-3						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Benzidine	92-87-5						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Benzoic acid	65-85-0						ND		ND		ND		ND		0.8	U	0.77	U	0.77	U	1.2	U	0.93	U	0.79	U	0.85	U						
Benzyl butyl phthalate	85-68-7						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Bis(2-chloroethoxy)methane	111-91-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Bis(2-chloroethyl)ether	111-44-4						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Bis(2-ethylhexyl)phthalate	117-81-7						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Carbazole	86-74-8						ND		ND		ND		ND		0.77	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Diethyl phthalate	84-66-2						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Dimethylphthalate	131-11-3						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Di-n-butylphthalate	84-74-2						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Di-n-octylphthalate	117-84-0						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Hexachlorobutadiene	87-68-3						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Hexachlorocyclopentadiene	77-47-4						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Hexachloroethane	67-72-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Isophorone	78-59-1						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
Nitrobenzene	98-95-3						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
N-Nitrosodimethylamine	62-75-9						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
N-Nitrosodi-n-propylamine	621-64-7						ND		ND		ND		ND		0.28	U	0.27	U	0.27	U	0.43	U	0.33	U	0.28	U	0.3	U						
N-Nitrosodiphenylamine	86-30-6						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Pentachloronitrobenzene	82-68-8						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Pyridine	110-86-1						ND		ND		ND		ND		0.4	U	0.39	U	0.39	U	0.61	U	0.47	U	0.4	U	0.43	U						
Metals, NYSDEC Part 375		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor																																		
Arsenic	7440-38-2	13	16	16	16	16	3.83		**22.4**		**29.7**		11		8.69		5.08		**15.2**		8.73		8.21		8.03		11.4							
Barium	7440-39-3	350	400	400	10000	820	70.1		**420**		114		148		118		74.9		136		82.4		182		114		151							
Beryllium	7440-41-7	7.2	72	590	2700	47	0.44		0.64		0.48		0.44		0.39		0.35		0.49		0.21	J	0.46		0.41		0.48							
Cadmium	7440-43-9	2.5	4.3	9.3	60	7.5	0.38	U	1.13		0.42		0.43		1.25		0.9		1.3		0.9		1.48		1.34		1.51							
Chromium	7440-47-3	30	~	~	~	~	19.1		22.1		23.7		22.4		18.7		24.6		21		10.2		20.5		27.8		22.4							
Copper	7440-50-8	50	270	270	10000	1720	23.5		**79.8**		15.8		27.5		34.8		24.8		34.5		24		40.5		42.8		47							
Lead	7439-92-1	63	400	1000	3900	450	5		**948**		**73.3**		**283**		**226**		14.5		**91.9**		7.05		**233**		9.88		**210**							
Manganese	7439-96-5	1600	2000	10000	10000	2000	225		314		343		454		309		195		288		366		346		606		304							
Nickel	7440-02-0	30	310	310	10000	130	13.3		16.9		16.5		14.7		16.7		15.2		14.6		12.1		16		15.5		16.3							
Selenium	7782-49-2	3.9	180	1500	6800	4	1.5	U	1.4	J	1.6	U	1.6	U	1.7	U	1.5	J	1.5	U	1.7	U	1.7	U	1.7	U	1.8	U						
Silver	7440-22-4	2	180	1500	6800	8.3	0.38	U	0.44		0.41	U	0.4	U	0.42	U	0.38		0.38	U	0.43	U	0.43	U	0.41	U	0.44	U						
Zinc	7440-66-6	109	10000	10000	10000	2480	36.9		**472**		71.3		**124**		**201**		52.9		94.6		32.7		**246**		77		**212**							
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.7	0.03	U	**0.5**		0.06		**0.44**		**0.32**		0.05		0.03	U	0.03	U	**0.25**		0.03	U	**0.48**							
Trivalent Chromium	16065-83-3	30	180	1,500	6,800		19.1		22.1		23.7		22.4		18.7		24.6		21		10.2		20.5		27.8		22.4							
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.73	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Total Solids							%		%		%		%		%		%		%		%		%		%		%							
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
% Solids		~	~	~	~	~	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
PCB, 8082 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor																																		
Aroclor 1016	12674-11-2	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1221	11104-28-2	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1232	11141-16-5	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1242	53469-21-9	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1248	12672-29-6	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1254	11097-69-1	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1260	11096-82-5	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
PCB-1262	37324-23-5	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
PCB-1268	11100-14-4	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Total PCBs	1336-36-3	0.1	1	1	25	3.2	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Chlorinated Herbicides By SW8151A																																		
2,4,5-T	93-76-5						0.14	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U	0.24	U	0.17	U	0.15	U	0.16	U						
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	1000	3.8	0.14	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U	0.24	U	0.17	U	0.15	U	0.16	U						
2,4-D	94-75-7						0.28	U	0.3	U	0.31	U	0.29	U	0.3	U	0.29	U	0.29	U	0.49	U	0.35	U	0.29	U	0.32	U						
2,4-DB	94-82-6						2.8	U	3	U	3.1	U	2.9	U	3	U	2.9	U	2.9	U	4.9	U	3.5	U	2.9	U	3.2	U						
Dalapon	75-99-0						0.14	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U	0.24	U	0.17	U	0.15	U	0.16	U						
Dicamba	1918-00-9						0.14	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U	0.24	U	0.17	U	0.15	U	0.16	U						
Dichloroprop	120-36-5						0.28	U	0.3	U	0.31	U	0.29	U	0.3	U	0.29	U	0.29	U	0.49	U	0.35	U	0.29	U	0.32	U						
Dinoseb	88-85-7						0.28	U	0.3	U	0.31	U	0.29	U	0.3	U	0.29	U	0.29	U	0.49	U	0.35	U	0.29	U	0.32	U						
1,4-dioxane By SW8260C																																		
1,4-dioxane	123-91-1	0.1	13.	130.			0.089	U	0.1	U	0.083	U	0.077	U	0.1	U	0.072	U	0.086	U	0.083	U	0.1	U	0.066	U	0.085	U						
Miscellaneous/Inorganics																																		
Percent Solid		-	-	-			88		81		79		84		81		84		85		79		71		84		77							
Chromium, Hex. (SW3060 digestion)	18540-29-9	1	110	400	800	19	0.39	U	0.45	U	0.5	U	0.45	U	0.48	U	0.41	U	0.43	U	0.45	U	0.5	U	0.46	U	0.44	U						
pH at 25C - Soil		~	~	~			7.26		6.89		6.63		7.54		7.62		7.2		7.48		7.33		7.41		7.21		7.25							
Redox Potential		~	~	~			310		-68.8		-179		309		31.5		262		256		222		246		256		293	1						
Total Cyanide (SW9010C Distill.)	57-12-5	27	27	27	10000	40	0.47	U	0.56	U	0.53	U	0.6	U	0.62	U	0.5	U	0.53	U	0.63	U	0.57	J	0.6	U	0.5	J						

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																					
							114 N Broad Street (Lot #12)		Lot #7		1134 Main Street (Lot #8)				Lot #13				1125 Howard Street (Lot #18)				1131 Howard Street (Lot #17)					
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-19 (2-4)		SB-20 (0-4)		SB-21 (0-2)		SB-21 (2-4)		SB-24 (0-2)		SB-24 (5-7)		SB-25 (0-2)		SB-25 (5-7)		SB-26 (0-2)		SB-26 (2-4)		SB-27 (0-2)	
Laboratory ID																												
Sampling Date							4/5/2022		4/5/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides - Soil By SW8081B																												
4,4' -DDD	72-54-8	0.0033	13	92	180	14	0.0022	U	0.0024	U	0.0025	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0025	U	0.0027	U	0.0024	U	0.0026	U
4,4' -DDE	72-55-9	0.0033	8.9	62	120	17	0.0022	U	0.0026		0.0025	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0025	U	0.0027	U	0.0024	U	0.0026	U
4,4' -DDT	50-29-3	0.0033	7.9	47	94	136	0.0022	U	0.0024	U	0.0025	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0025	U	0.0033	U	0.0024	U	0.0026	U
a-BHC	319-84-6	0.02	0.48	3.4	6.8	0.02	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
a-Chlordane	5103-71-9	0.094	4.2	24	47	2.9	0.0037	U	0.004	U	0.0042	U	0.0039	U	0.0041	U	0.0039	U	0.0039	U	0.0041	U	0.0045	U	0.0039	U	0.0043	U
Alachlor	15972-60-8	-	-	-			0.0037	U	0.004	U	0.0042	U	0.0039	U	0.0041	U	0.0039	U	0.0039	U	0.0041	U	0.0045	U	0.0039	U	0.0043	U
Aldrin	309-00-2	0.005	0.097	0.68	1.4	0.19	0.0037	U	0.004	U	0.0042	U	0.0039	U	0.0041	U	0.0039	U	0.0039	U	0.0041	U	0.0045	U	0.0039	U	0.0043	U
b-BHC	319-85-7	0.036	0.36	3	14	0.09	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Chlordane	57-74-9	-	-	-			0.037	U	0.04	U	0.042	U	0.039	U	0.041	U	0.039	U	0.039	U	0.041	U	0.045	U	0.039	U	0.043	U
d-BHC	319-86-8	0.04	100	500	1000	0.25	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Dieldrin	60-57-1	0.005	0.2	1.4	2.8	0.1	0.0037	U	0.004	U	0.0042	U	0.0039	U	0.0041	U	0.0039	U	0.0039	U	0.0041	U	0.0045	U	0.0039	U	0.0043	U
Endosulfan I	959-98-8	2.4	24	200	920	102	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Endosulfan II	33213-65-9	2.4	24	200	920	102	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Endosulfan sulfate	1031-07-8	2.4	24	200	920	1000	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Endrin	72-20-8	0.014	11	89	410	0.06	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Endrin aldehyde	7421-93-4	-	-	-			0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Endrin ketone	53494-70-5	-	-	-			0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
g-BHC	58-89-9	0.1	1.3	9.2	23	0.1	0.0015	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0018	U	0.0016	U	0.0017	U
g-Chlordane	5103-74-2	-	-	-			0.0037	U	0.004	U	0.0042	U	0.0039	U	0.0041	U	0.0039	U	0.0039	U	0.0041	U	0.0045	U	0.0039	U	0.0043	U
Heptachlor	76-44-8	0.042	0.38	15	29	0.38	0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Heptachlor epoxide	1024-57-3	-	-	-			0.0075	U	0.008	U	0.0084	U	0.0078	U	0.0082	U	0.0078	U	0.0078	U	0.0082	U	0.0091	U	0.0079	U	0.0087	U
Methoxychlor	72-43-5	-	-	-			0.037	U	0.04	U	0.042	U	0.039	U	0.041	U	0.039	U	0.039	U	0.041	U	0.045	U	0.039	U	0.043	U
Toxaphene	8001-35-2	-	-	-			0.15	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.18	U	0.16	U	0.17	U

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																							
							1131 Howard Street (Lot #17)						1135 Howard Street (Lot #16)								Lot #13									
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-27 (2-4)		SB-28 (0-2)		SB-28 (2-4)		SB-29 (0-2)		SB-29 (2-4)		SB-30 (0-2)		SB-30 (2-4)		SB-31 (0-2)		SB-31 (4-6)		SB-32 (0-2)		SB-32 (5-7)	
Laboratory ID																														
Sampling Date							4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Dilution Factor																														
1,1,1-Trichloroethane	71-55-6	0.68	100	500	1000	0.68	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,1-Dichloroethane	75-34-3	0.27	26	240	480	0.27	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,1-Dichloroethylene	75-35-4	0.33	100	500	1000	0.33	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	380	3.6	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	1.1	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2-Dichloroethane	107-06-2	0.02	3.1	30	60	0.02	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	380	8.4	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,3-Dichlorobenzene	541-73-1	2.4	49	280	560	2.4	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,4-Dioxane	123-91-1	0.1	13	130	250	0.1	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
2-Butanone	78-93-3	0.12	100	500	1000	0.12	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT			
Acetone	67-64-1	0.05	100	500	1000	0.05	0.027	U	0.029	U	0.025	U	0.027	U	0.03	U	0.03	U	0.085	S	0.033	U	0.026	U	0.033	U	0.0072	JS		
Benzene	71-43-2	0.06	4.8	44	89	0.06	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Carbon tetrachloride	56-23-5	0.76	2.4	22	44	0.76	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Chlorobenzene	108-90-7	1.1	100	500	1000	1.1	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Chloroform	67-66-3	0.37	49	350	700	0.37	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	1000	0.25	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Ethyl Benzene	100-41-4	1	41	390	780	1	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	1000	0.93	0.011	U	0.012	U	0.01	U	0.011	U	0.012	U	0.012	U	0.014	U	0.013	U	0.011	U	0.013	U	0.011	U		
Methylene chloride	75-09-2	0.05	100	500	1000	0.05	0.0055	JS	0.007	JS	0.01	U	0.011	U	0.012	U	0.012	U	0.014	U	0.013	U	0.011	U	0.013	U	0.011	U		
Naphthalene	91-20-3	12	100	500	1000	12	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
n-Butylbenzene	104-51-8	12	100	500	1,000	12	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
n-Propylbenzene	103-65-1	3.9	100	500	1000	3.9	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
o-Xylene	95-47-6	~	~	~	~	~	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
p- & m- Xylenes	179601-23-1	~	~	~	~	~	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
sec-Butylbenzene	135-98-8	11	100	500	1000	11	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
tert-Butylbenzene	98-06-6	5.9	100	500	1000	5.9	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Tetrachloroethylene	127-18-4	1.3	19	150	300	1.3	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Toluene	108-88-3	0.7	100	500	1000	0.7	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	1000	0.19	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Trichloroethylene	79-01-6	0.47	21	200	400	0.47	0.011	U	0.012	U	0.01	U	0.011	U	0.012	U	0.012	U	0.014	U	0.013	U	0.011	U	0.013	U	0.011	U		
Vinyl Chloride	75-01-4	0.02	0.9	13	27	0.02	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Xylenes, Total	1330-20-7	0.26	100	500	1000	1.6	0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,1,2,2-Tetrachloroethane	630-20-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,1,2-Trichloroethane	79-00-5						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,1-Dichloropropene	563-58-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2,3-Trichlorobenzene	87-61-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2,3-Trichloropropane	96-18-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2,4-Trichlorobenzene	120-82-1						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2-Dibromo-3-chloropropane	96-12-8						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2-Dibromoethane	106-93-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,2-Dichloropropane	78-87-5						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
1,3-Dichloropropane	142-28-9						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
2,2-Dichloropropane	594-20-7						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
2-Chlorotoluene	95-49-8						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
2-Hexanone	591-78-6						0.027	U	0.029	U	0.025	U	0.027	U	0.03	U	0.03	U	0.036	U	0.033	U	0.026	U	0.033	U	0.029	U		
2-Isopropyltoluene	527-84-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
4-Chlorotoluene	106-43-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
4-Methyl-2-pentanone	108-10-1						0.027	U	0.029	U	0.025	U	0.027	U	0.03	U	0.03	U	0.036	U	0.033	U	0.026	U	0.033	U	0.029	U		
Acrylonitrile	107-13-1						0.011	U	0.012	U	0.01	U	0.011	U	0.012	U	0.012	U	0.014	U	0.013	U	0.011	U	0.013	U	0.011	U		
Bromobenzene	108-86-1						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Bromochloromethane	74-97-5						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Bromodichloromethane	75-27-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Bromoform	75-25-2						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Bromomethane	74-83-9						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Carbon Disulfide	75-15-0						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Chloroethane	75-00-3						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Chloromethane	74-87-3						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
cis-1,3-Dichloropropene	10061-01-5						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Dibromochloromethane	124-48-1						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Dibromomethane	74-95-3						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Dichlorodifluoromethane	75-71-8						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Hexachlorobutadiene	87-68-3						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Isopropylbenzene	98-82-8						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Methyl Ethyl Ketone	78-93-3	0.12	100	500			0.027	U	0.029	U	0.025	U	0.027	U	0.03	U	0.03	U	0.024	J	0.033	U	0.026	U	0.033	U	0.029	U		
p-Isopropyltoluene	99-87-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Styrene	100-42-5						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Tetrahydrofuran (THF)	109-99-9						0.011	U	0.012	U	0.01	U	0.011	U	0.012	U	0.012	U	0.014	U	0.013	U	0.011	U	0.013	U	0.011	U		
trans-1,3-Dichloropropene	10061-02-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
trans-1,4-dichloro-2-butene	110-57-6						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Trichlorofluoromethane	75-69-4						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
Trichlorotrifluoroethane	76-13-1						0.0054	U	0.0058	U	0.005	U	0.0055	U	0.006	U	0.0061	U	0.0072	U	0.0067	U	0.0053	U	0.0067	U	0.0057	U		
SVOA, 8270 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Dilution Factor																														
2-Methylphenol	95-48-7	0.33	100	500	1000	0.33	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U		
3- & 4-Methylphenols	65794-96-9	0.33	100	500	1000	0.33	0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U		
Acenaphthene	83-32-9	20	100	500	1000	98	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.69		0.27	U	0.29	U	0.28	U	0.26	U		
Acenaphthylene	208-96-8	100	100	500	1000	107	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.62		0.27	U	0.29	U	0.15	J	0.26	U		
Anthracene	120-12-7	100	100	500	1000	1000	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	2.3		0.18	J	0.29	U	0.15	J	0.26	U		
Benzo(a)anthracene	56-55-3	1	1	5.6	11	1	0.29	U	0.27	J	0.28	U	0.15	J	0.3	U	0.34		8		0.67		0.29	U	0.8		0.26	U		
Benzo(a)pyrene	50-32-8	1	1	1	1.1	22	0.29	U	0.39		0.28	U	0.15	J	0.3	U	0.29		7.3		0.76		0.29	U	0.79		0.26	U		
Benzo(b)fluoranthene	205-99-2	1	1	5.6	11	1.7	0.29	U	0.31		0.28	U	0.16	J	0.3	U	0.3		7.9		0.7		0.29	U	0.82		0.26	U		
Benzo(g,h,i)perylene	191-24-2	100	100	500	1000	1000	0.29	U	0.25	J	0.28	U	0.2	J	0.3	U	0.2	J	3.9		0.51		0.29	U	0.72		0.26	U		
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	110	1.7	0.29	U	0.3		0.28	U	0.13	J	0.3	U	0.29		6.1		0.63		0.29	U	0.75		0.26	U		
Chrysene	218-01-9	1	3.9	56	110	1	0.29	U	0.31		0.28	U	0.18	J	0.3	U	0.42		4.1		0.72		0.29	U	0.87		0.26	U		
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.56	1.1	1000	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	1.1		0.14	J	0.29	U	0.19	J	0.26	U		
Dibenzofuran	132-64-9	7	59	350	1000	210	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.5		0.27	U	0.29	U	0.28	U	0.26	U		
Fluoranthene	206-44-0	100	100	500	1000	1000	0.29	U	0.47		0.28	U	0.32		0.3	U	0.65		8.8		1.4		0.29	U	1.5		0.26	U		
Fluorene	86-73-7	30	100	500	1000	386	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.87		0.27	U	0.29	U	0.28	U	0.26	U		
Hexachlorobenzene	118-74-1	0.33	1.2	6	12	3.2	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U		
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	11	8.2	0.29	U	0.26	J	0.28	U	0.21	J	0.3	U	0.23	J	4.9		0.63		0.29	U	0.82		0.26	U		
Naphthalene	91-20-3	12	100	500	1000	12	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.26	J	0.27	U	0.29	U	0.28	U	0.26	U		
Pentachlorophenol	87-86-5	0.8	6.7	6.7	55	0.8	0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U		
Phenanthrene	85-01-8	100	100	500	1000	1000	0.29	U	0.16	J	0.28	U	0.14	J	0.3	U	0.35		7		0.87		0.29	U	0.63		0.26	U		
Phenol	108-95-2	0.33	100	500	1000	0.33	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U		
Pyrene	129-00-0	100	100	500	1000	1000	0.29	U	0.49		0.28	U	0.29		0.3	U	0.65		7.3		1.1		0.29	U	1.5		0.26	U		
1,2,4,5-Tetrachlorobenzene	95-94-3						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U		
1,2,4-Trichlorobenzene	120-82-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U		

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																											
							1131 Howard Street (Lot #17)						1135 Howard Street (Lot #16)										Lot #13											
Sample ID	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	SB-27 (2-4)		SB-28 (0-2)		SB-28 (2-4)		SB-29 (0-2)		SB-29 (2-4)		SB-30 (0-2)		SB-30 (2-4)		SB-31 (0-2)		SB-31 (4-6)		SB-32 (0-2)		SB-32 (5-7)							
Laboratory ID																																		
Sampling Date							4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022							
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil							
Compound							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	1,000	1.1	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
1,2-Diphenylhydrazine	122-66-7						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	560	2.4	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	1.8	0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,2'-Oxybis(1-Chloropropane)	108-60-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,4,5-Trichlorophenol	95-95-4						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,4,6-Trichlorophenol	88-06-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,4-Dichlorophenol	120-83-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,4-Dimethylphenol	105-67-9						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,4-Dinitrophenol	51-28-5						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
2,4-Dinitrotoluene	121-14-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2,6-Dinitrotoluene	606-20-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2-Chloronaphthalene	91-58-7						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2-Chlorophenol	95-57-8						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
2-Methylnaphthalene	91-57-6						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.25	J	0.27	U	0.29	U	0.28	U	0.26	U						
2-Nitroaniline	88-74-4						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
2-Nitrophenol	88-75-5						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
3,3'-Dichlorobenzidine	91-94-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
3-Nitroaniline	99-09-2						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
4,6-Dinitro-2-methylphenol	534-52-1						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
4-Bromophenyl phenyl ether	101-55-3						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
4-Chloro-3-methylphenol	59-50-7						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
4-Chloroaniline	106-47-8						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
4-Chlorophenyl phenyl ether	7005-72-3						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
4-Nitroaniline	100-01-6						0.66	U	0.65	U	0.64	U	0.63	U	0.68	U	0.66	U	0.64	U	0.61	U	0.65	U	0.65	U	0.6	U						
4-Nitrophenol	100-02-7						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Acetophenone	98-86-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Aniline	62-53-3						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Benzidine	92-87-5						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Benzoic acid	65-85-0						0.83	U	0.81	U	0.8	U	0.78	U	0.85	U	0.82	U	0.8	U	0.76	U	0.82	U	0.81	U	0.75	U						
Benzyl butyl phthalate	85-68-7						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Bis(2-chloroethoxy)methane	111-91-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Bis(2-chloroethyl)ether	111-44-4						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Bis(2-ethylhexyl)phthalate	117-81-7						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Carbazole	86-74-8						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	1.8		0.38	U	0.41	U	0.41	U	0.37	U						
Diethyl phthalate	84-66-2						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Dimethylphthalate	131-11-3						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Di-n-butylphthalate	84-74-2						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Di-n-octylphthalate	117-84-0						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Hexachlorobutadiene	87-68-3						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Hexachlorocyclopentadiene	77-47-4						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Hexachloroethane	67-72-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Isophorone	78-59-1						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
Nitrobenzene	98-95-3						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
N-Nitrosodimethylamine	62-75-9						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
N-Nitrosodi-n-propylamine	621-64-7						0.29	U	0.28	U	0.28	U	0.27	U	0.3	U	0.29	U	0.28	U	0.27	U	0.29	U	0.28	U	0.26	U						
N-Nitrosodiphenylamine	86-30-6						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Pentachloronitrobenzene	82-68-8						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Pyridine	110-86-1						0.41	U	0.41	U	0.4	U	0.39	U	0.42	U	0.41	U	0.4	U	0.38	U	0.41	U	0.41	U	0.37	U						
Metals, NYSDEC Part 375		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor																																		
Arsenic	7440-38-2	13	16	16	16	16	**54**		8.38		6.72		**16.5**		**83.8**		9.3		8.86		6.28		5.96		10.9		5.96							
Barium	7440-39-3	350	400	400	10000	820	181		152		56.5		187		227		150		217		128		109		155		96.4							
Beryllium	7440-41-7	7.2	72	590	2700	47	0.86		0.45		0.55		0.76		1.2		0.45		0.51		0.47		0.44		0.48		0.39							
Cadmium	7440-43-9	2.5	4.3	9.3	60	7.5	1.8		1.52		1.1		1.68		2.31		1.51		**2.77**		0.83		0.37	U	0.81		1							
Chromium	7440-47-3	30	~	~	~	~	**31.7**		23.8		20.5		27.8		**42.8**		21.3		24.6		16.6		23.1		22.4		20.4							
Copper	7440-50-8	50	270	270	10000	1720	23.9		34.7		24.8		41.9		41.3		40.2		**55.7**		35.5		18		48.4		17.1							
Lead	7439-92-1	63	400	1000	3900	450	23.5		**194**		10.7		**209**		**163**		**157**		**536**		**362**		53.8		**249**		20							
Manganese	7439-96-5	1600	2000	10000	10000	2000	**1,840**		343		121		570		**1,800**		255		254		199		207		322		230							
Nickel	7440-02-0	30	310	310	10000	130	24.8		14.8		13.4		20.5		**37.9**		15		19.6		13.6		14.1		16.4		13.5							
Selenium	7782-49-2	3.9	180	1500	6800	4	1.5	U	1.7	U	1.5	U	1.6	U	1.8	U	1.7	U	1.5	U	1.6	U	1.5	U	1.6	U	1.6	U						
Silver	7440-22-4	2	180	1500	6800	8.3	0.38	U	0.43	U	0.38	U	0.4	U	0.46	U	0.43	U	0.37	U	0.41	U	0.37	U	0.4	U	0.39	U						
Zinc	7440-66-6	109	10000	10000	10000	2480	**171**		**163**		46		**259**		103		**162**		**462**		102		67.1		**222**		57.8							
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.7	0.17		0.09		0.03	U	**0.31**		0.03	U	**0.68**		**0.83**		**0.72**		0.04		**0.34**		0.03	J						
Trivalent Chromium	16065-83-3	30	180	1,500	6,800		31.7		23.8		19.9		27.8		42.8		21.3		24.6		16.6		23.1		22.4		20.4							
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.73	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Total Solids							%		%		%		%		%		%		%		%		%		%		%							
Dilution Factor							NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
% Solids		~	~	~	~	~	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
PCB, 8082 MASTER		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg							
Dilution Factor																																		
Aroclor 1016	12674-11-2	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1221	11104-28-2	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1232	11141-16-5	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1242	53469-21-9	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1248	12672-29-6	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1254	11097-69-1	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Aroclor 1260	11096-82-5	0.1	~	~	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
PCB-1262	37324-23-5	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
PCB-1268	11100-14-4	0.1					ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND							
Total PCBs	1336-36-3	0.1	1	1	25	3.2	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT							
Chlorinated Herbicides By SW8151A																																		
2,4,5-T	93-76-5						0.16	U	0.15	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U						
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	1000	3.8	0.16	U	0.15	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U						
2,4-D	94-75-7						0.32	U	0.31	U	0.29	U	0.29	U	0.32	U	0.31	U	0.3	U	0.29	U	0.31	U	0.31	U	0.28	U						
2,4-DB	94-82-6						3.2	U	3.1	U	2.9	U	2.9	U	3.2	U	3.1	U	3	U	2.9	U	3.1	U	3.1	U	2.8	U						
Dalapon	75-99-0						0.16	U	0.15	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U						
Dicamba	1918-00-9						0.16	U	0.15	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U						
Dichloroprop	120-36-5						0.32	U	0.31	U	0.29	U	0.29	U	0.32	U	0.31	U	0.3	U	0.29	U	0.31	U	0.31	U	0.28	U						
Dinoseb	88-85-7						0.32	U	0.31	U	0.29	U	0.29	U	0.32	U	0.31	U	0.3	U	0.29	U	0.31	U	0.31	U	0.28	U						
1,4-dioxane By SW8260C																																		
1,4-dioxane	123-91-1	0.1	13.	130.			0.081	U	0.086	U	0.075	U	0.082	U	0.09	U	0.091	U	0.1	U	0.1	U	0.079	U	0.1	U	0.086	U						
Miscellaneous/Inorganics																																		
Percent Solid		-	-	-			79		80		83		84		77		80		81		86		80		80		87							
Chromium, Hex. (SW3060 digestion)	18540-29-9	1	110	400	800	19	0.49	U	0.42	U	0.6		0.46	U	0.47	U	0.45	U	0.48	U	0.42	U	0.48	U	0.43	U	0.43	U						
pH at 25C - Soil		-	-	-			7.14		7.62		7.76		7.85		7.72		7.75		7.12		6.73		6.76		7.6		8.4							
Redox Potential		-	-	-			298		267		250		279		291		275		103		367		196		172		164							
Total Cyanide (SW9010C Distill.)	57-12-5	27	27	27	10000	40	0.63	U	0.64		0.55	U	0.6	U	0.65	U	0.63	U	0.51	U	0.48	U	0.63	U	0.63	U	0.57	U						

Table 1
Soil Analytical Results
114 N Broad Street, Peekskill, NY

							ON-SITE																							
							1131 Howard Street (Lot #17)						1135 Howard Street (Lot #16)								Lot #13									
Sample ID							SB-27 (2-4)		SB-28 (0-2)		SB-28 (2-4)		SB-29 (0-2)		SB-29 (2-4)		SB-30 (0-2)		SB-30 (2-4)		SB-31 (0-2)		SB-31 (4-6)		SB-32 (0-2)		SB-32 (5-7)	
Laboratory ID																														
Sampling Date							4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022		4/6/2022	
Sample Matrix							Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound	CAS number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Commercial Restricted Use SCOs	NYSDEC Part 375 Industrial Restricted Use SCOs	NYSDEC Part 375 Restricted Use Protection of GW - SCOs	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides - Soil By SW8081B																														
4,4' -DDD	72-54-8	0.0033	13	92	180	14	0.0025	U	0.0025	U	0.0024	U	0.0023	U	0.0026	U	0.0024	U	0.047		0.0023	U	0.0025	U	0.0025	U	0.0023	U		
4,4' -DDE	72-55-9	0.0033	8.9	62	120	17	0.0025	U	0.0025	U	0.0024	U	0.0023	U	0.0026	U	0.0024	U	0.0068		0.0023	U	0.0025	U	0.0025	U	0.0023	U		
4,4' -DDT	50-29-3	0.0033	7.9	47	94	136	0.0025	U	0.0033	U	0.0024	U	0.0023	U	0.0026	U	0.0024	U	0.0024	U	0.0023	U	0.0025	U	0.0025	U	0.0023	U		
a-BHC	319-84-6	0.02	0.48	3.4	6.8	0.02	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
a-Chlordane	5103-71-9	0.094	4.2	24	47	2.9	0.0042	U	0.0042	U	0.0039	U	0.0039	U	0.0043	U	0.0041	U	0.004	U	0.0038	U	0.0041	U	0.0041	U	0.0038	U		
Alachlor	15972-60-8	-	-	-			0.0042	U	0.0042	U	0.0039	U	0.0039	U	0.0043	U	0.0041	U	0.004	U	0.0038	U	0.0041	U	0.0041	U	0.0038	U		
Aldrin	309-00-2	0.005	0.097	0.68	1.4	0.19	0.0042	U	0.0042	U	0.0039	U	0.0039	U	0.0043	U	0.0041	U	0.004	U	0.0038	U	0.0041	U	0.0041	U	0.0038	U		
b-BHC	319-85-7	0.036	0.36	3	14	0.09	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Chlordane	57-74-9	-	-	-			0.042	U	0.042	U	0.039	U	0.039	U	0.043	U	0.041	U	0.04	U	0.038	U	0.041	U	0.041	U	0.038	U		
d-BHC	319-86-8	0.04	100	500	1000	0.25	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Dieldrin	60-57-1	0.005	0.2	1.4	2.8	0.1	0.0042	U	0.0042	U	0.0039	U	0.0039	U	0.0043	U	0.0041	U	0.004	U	0.0038	U	0.0041	U	0.0041	U	0.0038	U		
Endosulfan I	959-98-8	2.4	24	200	920	102	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Endosulfan II	33213-65-9	2.4	24	200	920	102	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Endosulfan sulfate	1031-07-8	2.4	24	200	920	1000	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Endrin	72-20-8	0.014	11	89	410	0.06	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Endrin aldehyde	7421-93-4	-	-	-			0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Endrin ketone	53494-70-5	-	-	-			0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
g-BHC	58-89-9	0.1	1.3	9.2	23	0.1	0.0017	U	0.0017	U	0.0016	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U	0.0015	U	0.0017	U	0.0016	U	0.0015	U		
g-Chlordane	5103-74-2	-	-	-			0.0042	U	0.0042	U	0.0039	U	0.0039	U	0.0043	U	0.0041	U	0.004	U	0.0038	U	0.0041	U	0.0041	U	0.0038	U		
Heptachlor	76-44-8	0.042	0.38	15	29	0.38	0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Heptachlor epoxide	1024-57-3	-	-	-			0.0084	U	0.0083	U	0.0079	U	0.0078	U	0.0087	U	0.0082	U	0.0081	U	0.0077	U	0.0083	U	0.0082	U	0.0075	U		
Methoxychlor	72-43-5	-	-	-			0.042	U	0.042	U	0.039	U	0.039	U	0.043	U	0.041	U	0.04	U	0.038	U	0.041	U	0.041	U	0.038	U		
Toxaphene	8001-35-2	-	-	-			0.17	U	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.15	U	0.17	U	0.16	U	0.15	U		

NOTES:

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NY-IUSCO: Exceeds New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-PGSCO: Exceeds New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Q Is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

Table 1C - Test Pit Results
Soil Analytical Results Summary
114 N Broad Street, Peekskill NY 10566
LaBella Project No. 2220750

Sample ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	TP-01 (7 ft)		TP-02 (7.5 ft)		TP-03 (3 ft)		TP-04 (5 ft)		TP-05 (5 ft)	
Lab ID						21H0010-01		21H0010-02		21H0010-03		21H0010-04		21H0010-05	
Sampling Date						7/30/2021 9:00:00 AM		7/30/2021 9:45:00 AM		7/30/2021 11:35:00 AM		7/30/2021 11:50:00 AM		7/30/2021 12:30:00 PM	
Client Matrix						Soil		Soil		Soil		Soil		Soil	
Compound						Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
SVOA, 8270 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						2		10		2		2		2	
2-Methylphenol	0.33	100	500	1000	0.33	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
3- & 4-Methylphenols	0.33	100	500	1000	0.33	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
Acenaphthene	20	100	500	1000	98	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Acenaphthylene	100	100	500	1000	107	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Anthracene	100	100	500	1000	1000	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Benzo(a)anthracene	1	1	5.6	11	1	0.146	D	0.614	D	0.0726	JD	0.0464	U	0.0462	U
Benzo(a)pyrene	1	1	1	1.1	22	0.156	D	0.234	JD	0.0649	JD	0.0464	U	0.0462	U
Benzo(b)fluoranthene	1	1	5.6	11	1.7	0.126	D	0.718	D	0.0741	JD	0.0464	U	0.0462	U
Benzo(g,h,i)perylene	100	100	500	1000	1000	0.0916	JD	0.603	D	0.0484	U	0.0464	U	0.0462	U
Benzo(k)fluoranthene	0.8	3.9	56	110	1.7	0.114	D	0.439	JD	0.0494	JD	0.0464	U	0.0462	U
Chrysene	1	3.9	56	110	1	0.133	D	0.569	D	0.0641	JD	0.0464	U	0.0462	U
Dibenzo(a,h)anthracene	0.33	0.33	0.56	1.1	1000	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Dibenzofuran	7	59	350	1000	210	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
Fluoranthene	100	100	500	1000	1000	0.218	D	1.25	D	0.124	D	0.0464	U	0.0462	U
Fluorene	30	100	500	1000	386	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Hexachlorobenzene	0.33	1.2	6	12	3.2	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	8.2	0.125	D	**0.722**	D	0.0556	JD	0.0464	U	0.0462	U
Naphthalene	12	100	500	1000	12	0.0491	U	0.233	U	0.0484	U	0.0464	U	0.0462	U
Pentachlorophenol	0.8	6.7	6.7	55	0.8	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
Phenanthrene	100	100	500	1000	1000	0.0642	JD	0.710	D	0.0484	U	0.0464	U	0.0462	U
Phenol	0.33	100	500	1000	0.33	0.0491	U	NT		0.0484	U	0.0464	U	0.0462	U
Pyrene	100	100	500	1000	1000	0.181	D	1.030	D	0.121	D	0.0464	U	0.0462	U
Metals, NYSDEC Part 375	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg				mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						1				1		1		1	
Arsenic	13	16	16	16	16	7.16		NT		9.67		**20.7**		**16.9**	
Barium	350	400	400	10000	820	120		NT		142		100		191	
Beryllium	7.2	72	590	2700	47	0.06	U	NT		0.059	U	0.056	U	0.055	U
Cadmium	2.5	4.3	9.3	60	7.5	0.359	U	NT		0.353	U	0.335	U	0.333	U
Chromium	~	~	~	~	~	20.5		NT		25.4		15.7		15.5	
Copper	50	270	270	10000	1720	31.4		NT		48.7		36.2		35.9	
Lead	63	400	1000	3900	450	**380**		NT		**112**		32.6		**148**	
Manganese	1600	2000	10000	10000	2000	214		NT		574		264		415	
Nickel	30	310	310	10000	130	17		NT		17.9		14.2		12.4	
Selenium	3.9	180	1500	6800	4	3	U	NT		2.94	U	2.79	U	2.77	U
Silver	2	180	1500	6800	8.3	0.599	U	NT		0.589	U	0.558	U	0.555	U
Zinc	109	10000	10000	10000	2480	**182**		NT		**120**		55.4		**133**	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg				mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						1				1		1		1	
Mercury	0.18	0.81	2.8	5.7	0.73	**0.48**		NT		0.177		0.0358		0.133	
Total Solids						%		%		%		%		%	
Dilution Factor						1		1		1		1		1	
% Solids	~	~	~	~	~	83.5		87.9		84.9		89.5		90.1	
PCB, 8082 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						1		1		1		1		1	
Aroclor 1016	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1221	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1232	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1242	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1248	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1254	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Aroclor 1260	~	~	~	~	~	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U
Total PCBs	0.1	1	1	25	3.2	0.0199	U	0.0185	U	0.0194	U	0.0185	U	0.0181	U

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NY-PGSCO: Exceeds New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been

Table 2 - Groundwater Analytical Results
116 N. Broad Street,
1125, 1131, 1135 Howard Street,
City of Peekskill, Westchester County, New York

		ON-SITE										OFF-SITE				QA/QC							
Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-01		MW-02		MW-03		MW-06		MW-07		MW-04		MW-05		EB-01		FD-02		Trip Blank		Trip Blank	
York ID		21H0777-10		21H0777-11		21H0777-12																21H0777-13	
Sampling Date		8/16/2021 14:40		16/2021 2:55:00 P		16/2021 3:25:00 P		4/6/2022		4/6/2022		4/7/2022		4/7/2022		4/6/2022		4/7/2022		4/7/2022		16/2021 3:45:00 P	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 LOW MASTER	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		ug/L	
Dilution Factor	~	1		5		1																1	
1,1,1-Trichloroethane	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,1-Dichloroethane	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1.	U	0.200	U
1,1-Dichloroethylene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1.	U	0.200	U
1,2,4-Trimethylbenzene	5	0.2	U	16.7	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,2-Dichlorobenzene	3	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,2-Dichloroethane	0.6	0.2	U	0.4	U	0.2	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.200	U
1,3,5-Trimethylbenzene	5	0.2	U	13.2	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,3-Dichlorobenzene	3	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,4-Dichlorobenzene	3	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
1,4-Dioxane	~	40	U	80	U	40	U	NT		NT		NT		NT		NT		NT		NT		40	U
2-Butanone	50	0.2	U	0.4	U	0.2	U	NT		NT		NT		NT		NT		NT		NT		0.200	U
Acetone	50	1	U	2.34	JD	1	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	1	U
Benzene	1	0.2	U	42.2	D	0.2	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.200	U
Carbon tetrachloride	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Chlorobenzene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Chloroform	7	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.900	
cis-1,2-Dichloroethylene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Ethyl Benzene	5	0.2	U	33.1	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Methyl tert-butyl ether (MTBE)	10	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Methylene chloride	5	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10	1	U	365	D	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
n-Butylbenzene	5	0.2	U	17.2	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
n-Propylbenzene	5	0.2	U	35.2	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
o-Xylene	5	0.2	U	2.58	D	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
p- & m- Xylenes	~	0.5	U	7.9	D	0.5	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.500	U
sec-Butylbenzene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
tert-Butylbenzene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Tetrachloroethylene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Toluene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
trans-1,2-Dichloroethylene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Trichloroethylene	5	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Vinyl Chloride	2	0.2	U	0.4	U	0.2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.200	U
Xylenes, Total	5	0.6	U	10.5	D	0.6	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.600	U
1,1,2-Trichloroethane	1	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1.	U	NT	
1,1-Dichloropropene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1.	U	NT	
1,2,3-Trichlorobenzene	~	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
1,2,3-Trichloropropane	0.04	NT		NT		NT		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NT	
1,2,4-Trichlorobenzene	~	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
1,2-Dibromo-3-chloropropane	0.04	NT		NT		NT		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NT	
1,2-Dibromoethane	0.0006	NT		NT		NT		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NT	
1,2-Dichloropropane	1	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
1,3-Dichloropropane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
2,2-Dichloropropane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
2-Chlorotoluene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
2-Hexanone	50	NT		NT		NT		5	U	5	U	5	U	5	U	5	U	5	U	5	U	NT	
2-Isopropyltoluene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
4-Chlorotoluene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
4-Methyl-2-pentanone	~	NT		NT		NT		5	U	5	U	5	U	5	U	5	U	5	U	5	U	NT	
Acrylonitrile	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Bromobenzene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Bromochloromethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Bromodichloromethane	50	NT		NT		NT		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NT	
Bromoform	50	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Bromomethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Carbon Disulfide	~	NT		NT		NT		5	U	5	U	5	U	5	U	5	U	5	U	5	U	NT	
Chloroethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Chloromethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
cis-1,3-Dichloropropene	0.4	NT		NT		NT		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	NT	
Dibromochloromethane	50	NT		NT		NT		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NT	
Dibromomethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Dichlorodifluoromethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Hexachlorobutadiene	0.5	NT		NT		NT		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	NT	
Isopropylbenzene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Methyl ethyl ketone	50	NT		NT		NT		5	U	5	U	5	U	5	U	5	U	5	U	5	U	NT	
p-Isopropyltoluene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Styrene	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Tetrahydrofuran (THF)	50	NT		NT		NT		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NT	
trans-1,3-Dichloropropene	0.4	NT		NT		NT		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	NT	
trans-1,4-dichloro-2-butene	5	NT		NT		NT		5	U	5	U	5	U	5	U	5	U	5	U	5	U	NT	
Trichlorofluoromethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	
Trichlorotrifluoroethane	5	NT		NT		NT		1	U	1	U	1	U	1	U	1	U	1	U	1	U	NT	

LaBella
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Table 2 - Groundwater Analytical Results
116 N. Broad Street,
1125, 1131, 1135 Howard Street,
City of Peekskill, Westchester County, New York

		ON-SITE										OFF-SITE				QA/QC							
Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-01		MW-02		MW-03		MW-06		MW-07		MW-04		MW-05		EB-01		FD-02		Trip Blank		Trip Blank	
York ID		21H0777-10		21H0777-11		21H0777-12																21H0777-13	
Sampling Date		8/16/2021 14:40		16/2021 2:55:00 P		16/2021 3:25:00 P		4/6/2022		4/6/2022		4/7/2022		4/7/2022		4/6/2022		4/7/2022		4/7/2022		16/2021 3:45:00 P	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
SVOA, 8270 LOW MASTER																							
Dilution Factor		1		10		1																	
2-Methylphenol	1	2.78	U	500	U	2.78	U	0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
3- & 4-Methylphenols	1	2.78	U	500	U	2.78	U	9.5	U	9.4	U	11	U	9.5	U	11	U	11	U	NT		NT	
Dibenzofuran	~	2.78	U	500	U	2.78	U	4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
Phenol	1	2.78	U	500	U	2.78	U	0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
1,2,4,5-Tetrachlorobenzene	-	NT		NT		NT		3.3	U	3.3	U	3.9	U	3.3	U	3.7	U	3.9	U	NT		NT	
1,2,4-Trichlorobenzene	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
1,2-Dichlorobenzene	-	NT		NT		NT		2.4	U	2.4	U	2.8	U	2.4	U	2.7	U	2.8	U	NT		NT	
1,2-Diphenylhydrazine	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
1,3-Dichlorobenzene	-	NT		NT		NT		2.4	U	2.4	U	2.8	U	2.4	U	2.7	U	2.8	U	NT		NT	
1,4-Dichlorobenzene	-	NT		NT		NT		2.4	U	2.4	U	2.8	U	2.4	U	2.7	U	2.8	U	NT		NT	
2,2'-Oxybis(1-Chloropropane)	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
2,4,5-Trichlorophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2,4,6-Trichlorophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2,4-Dichlorophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2,4-Dimethylphenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2,4-Dinitrophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2,4-Dinitrotoluene	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
2,6-Dinitrotoluene	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
2-Chloronaphthalene	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
2-Chlorophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
2-Nitroaniline	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
2-Nitrophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
3,3'-Dichlorobenzidine	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
3-Nitroaniline	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
4,6-Dinitro-2-methylphenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
4-Bromophenyl phenyl ether	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
4-Chloro-3-methylphenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
4-Chloroaniline	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
4-Chlorophenyl phenyl ether	-	NT		NT		NT		0.95	U	0.94	U	1.1	U	0.95	U	1.1	U	1.1	U	NT		NT	
4-Nitroaniline	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
4-Nitrophenol	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
Acetophenone	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Aniline	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
Benzidine	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
Benzoic acid	-	NT		NT		NT		48	U	47	U	50	U	48	U	50	U	50	U	NT		NT	
Benzyl butyl phthalate	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Bis(2-chloroethoxy)methane	-	NT		NT		NT		4.8	U	4.7	U	5	U	4.8	U	5	U	5	U	NT		NT	
Bis(2-chloroethyl)ether	-	NT		NT		NT		0.95	U	0.94	U	1	U	0.95	U	1	U	1	U	NT		NT	
Bis(2-ethylhexyl)phthalate	-	NT		NT		NT		0.95	U	0.94	U	1.1	U	0.95	U	1.1	U	1.1	U	NT		NT	
Carbazole	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Diethyl phthalate	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Dimethylphthalate	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Di-n-butylphthalate	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Di-n-octylphthalate	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Hexachloroethane	-	NT		NT		NT		0.95	U	0.94	U	1.1	U	0.95	U	1.1	U	1.1	U	NT		NT	
Isophorone	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
N-Nitrosodi-n-propylamine	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
N-Nitrosodiphenylamine	-	NT		NT		NT		4.8	U	4.7	U	5.6	U	4.8	U	5.3	U	5.5	U	NT		NT	
Pentachloronitrobenzene	-	NT		NT		NT		2.4	U	2.4	U	2.8	U	2.4	U	2.7	U	2.8	U	NT		NT	
SVOA, 8270 SIM MASTER																							
Dilution Factor	-	1		1000		1																	
Acenaphthene	20	0.122		10	U	0.878		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Acenaphthylene	~	0.222		10	U	0.0556	U	0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Anthracene	50	0.667		10	U	1.1		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Benzo(a)anthracene	0.002	0.122		94	D	0.0556	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	NT		NT	
Benzo(a)pyrene	0.002	0.144		10	U	0.0556	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	NT		NT	
Benzo(b)fluoranthene	0.002	0.122		10	U	0.0556	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	NT		NT	
Benzo(g,h,i)perylene	~	0.100		10	U	0.0556	U	0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Benzo(k)fluoranthene	0.002	0.133		10	U	0.0556	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	NT		NT	
Chrysene	0.002	0.111		10	U	0.0556	U	0.02	U	0.02	U	0.02	U	0.03	U	0.02	U	0.02	U	NT		NT	
Dibenzo(a,h)anthracene	~	0.0556	U	10	U	0.0556	U	0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Fluoranthene	50	0.244		10	U	0.467		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Fluorene	50	0.311		10	U	2.100		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Hexachlorobenzene	0.04	0.0222	U	4	U	0.0222	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	NT		NT	
Indeno(1,2,3-cd)pyrene	0.002	0.0889		10	U	0.0556	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	NT		NT	
Naphthalene	10	0.1		48,400	D	1.01		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Pentachlorophenol	1	0.278	U	50	U	0.278	U	0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Phenanthrene	50	0.656		61,400	D	2.01		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Pyrene	50	0.244		1,880	D	0.678		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
2-Methylnaphthalene	-	NT		NT		NT		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Hexachlorobutadiene	-	NT		NT		NT		0.48	U	0.47	U	0.5	U	0.48	U	0.5	U	0.5	U	NT		NT	
Hexachlorocyclopentadiene	-	NT		NT		NT		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Nitrobenzene	-	NT		NT		NT		0.38	U	0.38	U	0.4	U	0.38	U	0.4	U	0.4	U	NT		NT	
N-Nitrosodimethylamine	-	NT		NT		NT		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	
Pyridine	-	NT		NT		NT		0.48	U	0.47	U	0.56	U	0.48	U	0.53	U	0.55	U	NT		NT	

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Table 2 - Groundwater Analytical Results
116 N. Broad Street,
1125, 1131, 1135 Howard Street,
City of Peekskill, Westchester County, New York

		ON-SITE												OFF-SITE						QA/QC							
Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-01		MW-02		MW-03		MW-06		MW-07		MW-04		MW-05		EB-01		FD-02		Trip Blank		Trip Blank	
York ID		21H0777-10		21H0777-11		21H0777-12																21H0777-13	
Sampling Date		8/16/2021 14:40		16/2021 2:55:00 P		16/2021 3:25:00 P		4/6/2022		4/6/2022		4/7/2022		4/7/2022		4/6/2022		4/7/2022		4/7/2022		16/2021 3:45:00 P	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, NYSDEC Part 375 - ICP/MS																							
Dilution Factor		10		20		10																	
Arsenic	25	87.2		107		9.08		2	J	2	J	2	J	34		4	U	80		NT		NT	
Barium	1000	314		316		158		166		71		53		471		1	J	1,430		NT		NT	
Beryllium	3	0.333	U	0.333	U	0.333	U	1	U	1	U	1	U	1	U	1	U	3		NT		NT	
Cadmium	5	1.01		0.780		0.556	U	1	U	1	U	1	U	2		1	U	6		NT		NT	
Chromium	50	146		131		3.24		1	U	1	U	1	U	37		1	U	108		NT		NT	
Copper	200	207		146		7.2		4	J	2	J	3	J	65		5	U	217		NT		NT	
Lead	25	56.7		61.6		2.8		2	U	2	U	2	U	281		2	U	523		NT		NT	
Manganese	300	3,850	D	7,640	D	1,140	D	24		165		305		946		2		2,650		NT		NT	
Nickel	100	86.4		75.8		5.2		2		1		3		29		1	U	79		NT		NT	
Selenium	10	7.38		3.77		1.11	U	10	U	10	U	10	U	10	U	10	U	17		NT		NT	
Silver	50	1.11	U	1.11	U	1.11	U	1	U	1	U	1	U	1	U	1	U	1	U	NT		NT	
Zinc	2000	324	B	285	B	24.3	B	22		4	U	3	J	188		4	U	497		NT		NT	
Mercury	-	NT		NT		NT		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U				
Trivalent Chromium	-	NT		NT		NT		0.001	U	0.001	U	0.001	U	0.037		0.001	U	0.108					
Metals, NYSDEC Part 375 - ICP/MS, Dissolved																							
Dilution Factor		1		10		1																	
Arsenic	25	1.11	U	4.46		1.11	U	NT		NT		NT		NT		NT		NT		NT		NT	
Barium	1000	342		248		162		NT		NT		NT		NT		NT		NT		NT		NT	
Beryllium	3	0.333	U	0.333	U	0.333	U	NT		NT		NT		NT		NT		NT		NT		NT	
Cadmium	5	0.556	U	0.556	U	0.556	U	NT		NT		NT		NT		NT		NT		NT		NT	
Chromium	50	1.11	U	1.11	U	1.11	U	NT		NT		NT		NT		NT		NT		NT		NT	
Copper	200	1.11	U	1.11	U	1.14		NT		NT		NT		NT		NT		NT		NT		NT	
Lead	25	1.11	U	1.11	U	1.11	U	NT		NT		NT		NT		NT		NT		NT		NT	
Manganese	300	358		5,920	D	1,040		NT		NT		NT		NT		NT		NT		NT		NT	
Nickel	100	4.22		1.3		3.25		NT		NT		NT		NT		NT		NT		NT		NT	
Selenium	10	4.27	B	4.8	B	5.74	B	NT		NT		NT		NT		NT		NT		NT		NT	
Silver	50	1.11	U	1.11	U	1.11	U	NT		NT		NT		NT		NT		NT		NT		NT	
Zinc	2000	20.3		7.89		32.9		NT		NT		NT		NT		NT		NT		NT		NT	
Mercury by 7470/7471																							
Dilution Factor		1		1		1		NT		NT		NT		NT		NT		NT		NT			
Mercury	0.7	0.3		0.2		0.2	U	NT		NT		NT		NT		NT		NT		NT		NT	
Mercury, Dissolved																							
Dilution Factor		1		1		1																	
Mercury	0.7	0.3		0.2		0.2	U	NT		NT		NT		NT		NT		NT		NT		NT	
Miscellaneous/Inorganics																							
Percent Solid		NT		NT		NT		ND		ND		ND		ND		ND		ND		NT		NT	
Chromium, Hex. (SW3060 digestion)		NT		NT		NT		ND		ND		ND		ND		ND		ND		NT		NT	
pH at 25C - Soil		NT		NT		NT		ND		ND		ND		ND		ND		ND		NT		NT	
pH		NT		NT		NT		7.19		7.49		7.44		7.45		7.62		7.72		NT		NT	
Redox Potential		NT		NT		NT		ND		ND		ND		ND		ND		ND		NT		NT	
Total Cyanide (SW9010C Distill.)		NT		NT		NT		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NT		NT	
PCBs By SW8082A																							
PCB-1016		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1221		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1232		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1242		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1248		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1254		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1260		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1262		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	
PCB-1268		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.05	U	NT		NT	

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Table 2 - Groundwater Analytical Results
116 N. Broad Street,
1125, 1131, 1135 Howard Street,
City of Peekskill, Westchester County, New York

		ON-SITE																					
Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-01		MW-02		MW-03		MW-06		MW-07		MW-04		MW-05		EB-01		FD-02		Trip Blank		Trip Blank	
York ID		21H0777-10		21H0777-11		21H0777-12																21H0777-13	
Sampling Date		8/16/2021 14:40		16/2021 2:55:00 P		16/2021 3:25:00 P		4/6/2022		4/6/2022		4/7/2022		4/7/2022		4/6/2022		4/7/2022		4/7/2022		16/2021 3:45:00 P	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides - Soil By SW8081B																							
1H,1H,2H,2H-Perfluorodecanesulfonic acid		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
1H,1H,2H,2H-Perfluorooctanesulfonic acid		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
NEtFOSAA		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
NMeFOSAA		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluoro-1-decanesulfonic acid (PFDS)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluoro-1-heptanesulfonic acid (PFHpS)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluoro-1-octanesulfonamide (FOSA)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluorobutanesulfonic acid (PFBS)		NT		NT		NT		5.08		4.51		7.21		7.34		1.81	U	7.12		N/A		NT	
Perfluorodecanoic acid (PFDA)		NT		NT		NT		0.49	JF	0.453	J	2.05	U	1.91	U	1.81	U	0.3	JF	N/A		NT	
Perfluorododecanoic acid (PFDoA)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluoroheptanoic acid (PFHpA)		NT		NT		NT		3.12		3.96		2.43		2.47		1.81	U	3.06		N/A		NT	
Perfluorohexanesulfonic Acid (PFHxS)		NT		NT		NT		3.42		1.62	J	1.53	J	2.41		1.81	U	2.33		N/A		NT	
Perfluorohexanoic acid (PFHxA)		NT		NT		NT		3.95		7.57		2.39		3.89		1.81	U	4.74		N/A		NT	
Perfluoro-n-butanoic acid (PFBA)		NT		NT		NT		4.45		6.68		4.08		4.91		1.81	U	5.16		N/A		NT	
Perfluorononanoic acid (PFNA)		NT		NT		NT		0.756	J	1.27	J	0.87	J	0.794	J	1.81	U	0.888	J	N/A		NT	
Perfluorooctanesulfonic Acid (PFOS)		NT		NT		NT		17.6	F	19.7	F	12.3	F	14.5	F	1.81	U	14.9	F	N/A		NT	
Perfluorooctanoic acid (PFOA)		NT		NT		NT		13.8		15		14.5		11		1.81	U	11.9		N/A		NT	
Perfluoropentanoic acid (PFPeA)		NT		NT		NT		4.64		13.3		3.49		5.18		1.81	U	5.68		N/A		NT	
Perfluorotetradecanoic acid (PFTA)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluorotridecanoic acid (PFTrDA)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Perfluoroundecanoic acid (PFUnA)		NT		NT		NT		1.9	U	1.8	U	2.05	U	1.91	U	1.81	U	1.92	U	N/A		NT	
Pesticides - Soil By SW8081B																							
4,4' -DDD		NT		NT		NT		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01	U	N/A		NT	
4,4' -DDE		NT		NT		NT		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01	U	N/A		NT	
4,4' -DDT		NT		NT		NT		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01	U	N/A		NT	
a-BHC		NT		NT		NT		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01	U	N/A		NT	
a-Chlordane		NT		NT		NT		0.071	U	0.074	U	0.077	U	0.076	U	0.072	U	0.37	U	N/A		NT	
Alachlor		NT		NT		NT		0.001	U	0.002	U	0.002	U	0.002	U	0.001	U	0.007	U	N/A		NT	
Aldrin		NT		NT		NT		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.025	U	N/A		NT	
b-BHC		NT		NT		NT		0.019	U	0.02	U	0.021	U	0.02	U	0.019	U	0.099	U	N/A		NT	
Chlordane		NT		NT		NT		0.024	U	0.025	U	0.026	U	0.025	U	0.024	U	0.01	U	N/A		NT	
d-BHC		NT		NT		NT		0.004	U	0.002	U	0.002	U	0.004	U	0.001	U	0.01	U	N/A		NT	
Dieldrin		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.025	U	N/A		NT	
Endosulfan I		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.025	U	N/A		NT	
Endosulfan II		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.025	U	N/A		NT	
Endosulfan sulfate		NT		NT		NT		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.025	U	N/A		NT	
Endrin		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.25	U	N/A		NT	
Endrin aldehyde		NT		NT		NT		0.048	U	0.05	U	0.052	U	0.051	U	0.048	U	0.25	U	N/A		NT	
Endrin ketone		NT		NT		NT		0.024	U	0.025	U	0.026	U	0.025	U	0.024	U	0.002	U	N/A		NT	
g-BHC		NT		NT		NT		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.025	U	N/A		NT	
g-Chlordane		NT		NT		NT		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.025	U	N/A		NT	
Heptachlor		NT		NT		NT		0.095	U	0.099	U	0.1	U	0.1	U	0.096	U	0.49	U	N/A		NT	
Heptachlor epoxide		NT		NT		NT		0.19	U	0.2	U	0.21	U	0.2	U	0.19	U	0.99	U	N/A		NT	
Methoxychlor		NT		NT		NT		0.042	U	0.038	U	0.04	U	0.041	U	0.037	U	0.044	U	0.042	U	NT	
Toxaphene		NT		NT		NT		0.17	U	0.15	U	0.16	U	0.16	U	0.15	U	0.18	U	0.17	U	NT	
Chlorinated Herbicides By SW8151A																							
2,4,5-T		NT		NT		NT		0.23	U	0.24	U	0.28	U	2.4	U	0.24	U	2.4	U	NT		NT	
2,4,5-TP (Silvex)		NT		NT		NT		0.23	U	0.24	U	0.26	U	2.4	U	0.24	U	2.4	U	NT		NT	
2,4-D		NT		NT		NT		0.47	U	0.47	U	0.56	U	4.7	U	0.47	U	4.8	U	NT		NT	
2,4-DB		NT		NT		NT		4.7	U	4.7	U	5.6	U	47	U	4.7	U	48	U	NT		NT	
Dalapon		NT		NT		NT		0.23	U	0.24	U	0.28	U	2.4	U	0.24	U	2.4	U	NT		NT	
Dicamba		NT		NT		NT		0.23	U	0.24	U	0.28	U	2.4	U	0.24	U	2.4	U	NT		NT	
Dichloroprop		NT		NT		NT		0.47	U	0.47	U	0.56	U	4.7	U	0.47	U	4.8	U	NT		NT	
Dinoseb		NT		NT		NT		0.47	U	0.47	U	0.56	U	4.7	U	0.47	U	4.8	U	NT		NT	

NOTES:
Exceeds New York State Department of Environmental Conservation Technical and Operation Guidance Series Ambient Water Quality Standards

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

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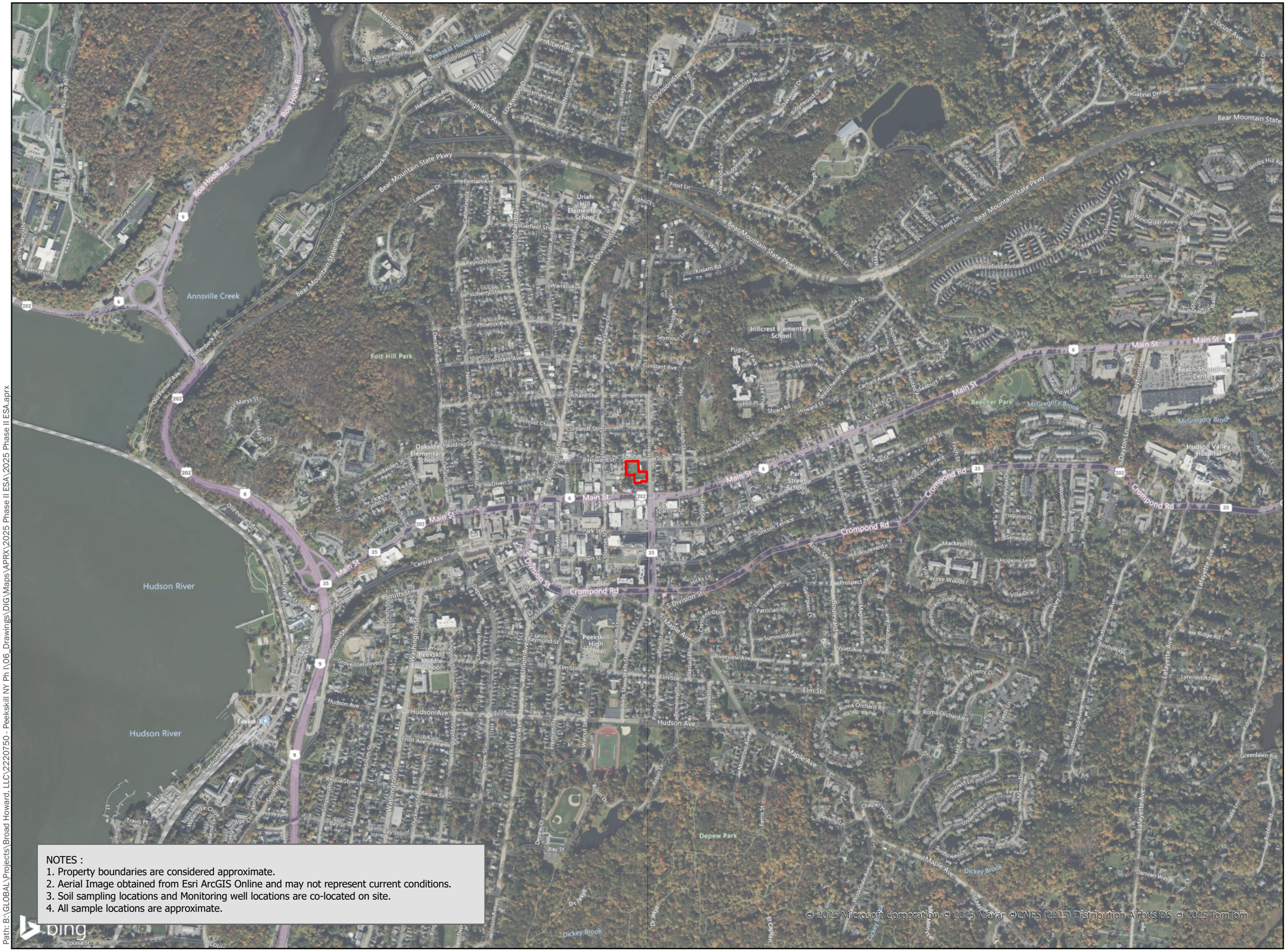
Table 3 - Sub Slab and Soil Vapor Analytical Summary
City of Peekskill, Westchester County, New York
LaBella Project No. 2220750

					ONSITE			OFFSITE									
Sample Location	NYSDOH Sub-Slab Vapor Concentration Decision Matrix (minimum action level) (1)	NYSDOH Indoor Air Concentration (minimum action level) (1)	NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile (2)	NYSDOH Air Guideline Values	114 Broad Street (Lot #12)		1131 Howard Street (Lot #17)	1124 Main Street (Lot #6)	1122 Main Street (Lot #5)		1132 Main Street (Lot #7)		1134 Main Steet (Lot #8)		1124 Main Street (Lot #6)		
Sample ID					SVP-02	IA-01	SG-03	OA-01	SG-01	SG-02	SVP-03	IA-03	SVP-04	IA-04	SVP-01	IA-02	Field Dup
Sample Type					Sub-Slab	Indoor Air	Soil Gas	Outdoor Ambient	Soil Gas	Soil Gas	Sub-Slab	Basement Indoor Air	Sub-Slab	Basement Indoor Air	Sub-Slab	Basement Indoor Air	Basement indoor Air
Sampling Date					4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022	4/6/2022
1,1,1,2-Tetrachloroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100***	3***	20.6	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	~	<1.5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	~	~	<0.7	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6**	0.2**	1.4	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	~	~	9.5	~	ND	2.87	21.4	ND	30.8	ND	ND	ND	ND	ND	2.09	ND	ND
1,2-Dibromoethane(EDB)	~	~	1.5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	~	~	<1.2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	~	~	<0.9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	~	~	<1.6	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	~	~	3.7	~	ND	ND	4.96	ND	6.88	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	~	~	<3.0	~	ND	ND	33.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	~	~	<2.4	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	~	~	5.5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone(MBK)	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	~	~	~	~	ND	ND	24	ND	27.4	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	~	~	~	~	ND	ND	ND	ND	1.29	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone(MIBK)	~	~	~	~	ND	ND	1	ND	1.52	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	~	~	98.9	~	23.4	15.4	38.2	4.56	41.3	9.23	15.3	4.94	11.4	5.48	53.4	7.24	7.6
Acrylonitrile	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	~	~	9.4	~	ND	1.62	18.8	ND	2.39	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl chloride	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.37	ND	ND
Bromoform	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	~	<1.7	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	~	~	4.2	~	ND	ND	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	6**	0.2**	<1.3	~	0.2	0.49	0.4	0.5	0.21	0.5	0.50	0.48	ND	0.48	0.47	0.52	0.51
Chlorobenzene	~	~	<0.9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	~	<1.1	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	~	~	1.1	~	5.22	ND	2.71	ND	ND	ND	ND	ND	5.76	ND	30.4	ND	ND
Chloromethane	~	~	3.7	~	ND	ND	1.07	1.22	ND	1.19	3.67	1.21	ND	1.26	ND	1.16	1.14
Cis-1,2-Dichloroethene	6**	0.2**	<1.9	~	ND	0.27	ND	ND	ND	ND	ND	1.83	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	~	<2.3	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	~	~	~	~	ND	ND	ND	ND	1.86	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	~	~	~	2.46	2.26	2.04	2.78	2.15	2.49	2.37	2.40	2.35	2.43	2.42	2.83	2.48
Ethanol	~	~	210	~	19.2	48.6	3.63	17.9	3.56	17.9	4.99	2.35	17.2	5.8	14.3	35.2	8.21
Ethyl acetate	~	~	5.4	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.1	ND	ND
Ethylbenzene	~	~	5.7	~	ND	ND	27	ND	14.8	ND	ND	ND	ND	ND	1.12	ND	ND
Heptane	~	~	~	~	ND	ND	13.6	ND	2.16	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	~	~	~	~	ND	ND	14.9	ND	1.52	4.26	ND	ND	ND	ND	ND	ND	ND
Isopropylalcohol	~	~	~	~	3.96	7.57	ND	ND	1.06	2.7	1.9	4.03	2.78	ND	7.71	13.7	12.4
Isopropylbenzene	~	~	~	~	ND	ND	2.22	ND	1.88	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	~	~	~	~	ND	2.43	86.4	ND	59.9	ND	ND	ND	ND	ND	2.89	ND	ND
Methyl Ethyl Ketone	~	~	~	~	1.76	2.79	5.19	ND	ND	ND	ND	ND	1.03	ND	6.07	ND	ND
Methyl tert-butyl ether(MTBE)	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100***	3***/60*	10.0	60	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	~	~	10.0	~	ND	ND	1.6	ND	2.06	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	~	7.9	~	ND	ND	28.8	ND	20.7	ND	ND	ND	ND	ND	1.37	ND	ND
Propylene	~	~	~	~	ND	1.51	67.3	ND	7.07	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	~	~	1.2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	~	1.9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	100***	3***/30*	15.9	30	2.81	1.95	21.8	0.45	13	ND	ND	1.61	2.79	ND	2.62	6.46	1.65
Tetrahydrofuran	~	~	~	~	ND	1.35	ND	ND	ND	ND	1.1	ND	ND	ND	1.56	ND	ND
Toluene	~	~	43.0	~	ND	1.98	124	ND	36.4	ND	ND	ND	ND	ND	3.48	3.5	3.88
Trans-1,2-Dichloroethene	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	~	<1.3	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	6**	0.2**/2*	4.2	2	ND	0.22	ND	ND	ND	ND	ND	1.55	ND	ND	ND	0.25	ND
Trichlorofluoromethane	~	~	~	~	1.31	1.33	1.27	1.37	1.38	1.33	1.29	1.4	1.35	1.31	1.33	1.5	1.44
Trichlorotrifluoroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	6****	0.2	<1.9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Exceeds New York State Department of Health Sub-Slab Vapor Concentration Decision Matrix (minimum action level) effective 2006
Exceeds New York State Department of Health Indoor Air Concentration Decision Matrix (minimum action level) effective 2006
Exceeds New York State Department of Health Table C2. USEPA BASE Database - 90th Percentile
Exceeds Exceeds New York State Department of Health Air Guideline Values effective 2006
Q is the Qualifier Column with definitions as follows:
ND=analyte not detected
~=this indicates that no regulatory limit has been established for this analyte

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FIGURES



NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate.

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PHASE II

**114 N Broad Street,
Peekskill, NY 10566**

0 500 1,000
1 inch = 1,000 ft

Legend
Site Boundary

Site Location

FIGURE 1

LaBella Project No: 2220750
Date: April 2025



NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate.

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PHASE II

**114 N Broad Street,
Peekskill, NY 10566**

0 25 50
1 inch = 50 Feet

Legend
- Site Boundary
- Tax Parcels

Site Boundary

FIGURE 2A

LaBella Project No: 2220750
Date: April 2025



NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate.

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PHASE II

**114 N Broad Street,
Peekskill, NY 10566**

0 25 50
1 inch = 50 Feet

Legend
- Site Boundary
- Westchester 2021 Tax Parcels

Former Tax Lots

FIGURE 2B

LaBella Project No: 2220750
Date: April 2025



NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate.

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PHASE II

114 N Broad Street,
Peekskill, NY 10566

0 40
1 inch = 40 feet

Legend
- Site Boundary
- Current Tax Parcels
- Former Tax Parcels
- 2022 Soil Borings/Monitoring Wells
- 2022 Soil Boring Locations
- 2021 Soil Borings/Monitoring Wells
- 2021 Soil Boring Locations
- 2022 Air Sample Locations
- Test Pit Locations
- Areas of Concern (AOC)

AOC-01: Contaminated Historic Fill Material - Site Wide
AOC-02: Former Elevator Pits
AOC-3: Anomaly Identified as Possible UST
AOC-04: Backfilled Excavation / Former Gasoline UST
AOC-05: Upgradient, Off-Site Groundwater
AOC-06: Anomaly Identified as Possible UST

Sampling Locations and Areas of Concern

FIGURE 3

LaBella Project No: 2220750
Date: May 2025

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	NY-UUSCO	NY-RRSCO	NY-CUSCO	NY-IUSCO	NY-PGSCO
VOCs	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
Benzene	0.06	4.8	44	89	0.06
1,2,4-Trimethylbenzene	3.6	52	190	380	3.6
Acetone	0.05	100	500	1000	0.05
Ethyl Benzene	1	41	390	780	1
Methylene chloride	0.05	100	500	1000	0.05
Naphthalene	12	100	500	1000	12
n-Propylbenzene	3.9	100	500	1000	3.9
SVOCs	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	8.2
Benzo(a)anthracene	1	1	5.6	11	1
Benzo(a)pyrene	1	1	1	1.1	22
Benzo(b)fluoranthene	1	1	5.6	11	1.7
Benzo(k)fluoranthene	0.8	3.9	56	110	1.7
Chrysene	1	3.9	56	110	1
Dibenzo(a,h)anthracene	0.33	0.33	0.56	1.1	1000
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	8.2
Naphthalene	12	100	500	1000	12
Metals	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
Arsenic	13	16	16	16	16
Barium	350	400	400	10000	820
Cadmium	2.5	4.3	9.3	60	7.5
Chromium	30	~	~	~	~
Copper	50	270	270	10000	1720
Lead	63	400	1000	3900	450
Manganese	1600	2000	10000	10000	2000
Mercury	0.18	0.81	2.8	5.7	0.73
Nickel	30	310	310	10000	130
Zinc	109	10000	10000	10000	2480
Pesticides	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
4,4'-DDE	0.0033	9	62	120	17

TP-04 (5')	
7/30/2021	
Metals	**(mg/kg)**
Arsenic	20.7*

TP-03 (3')	
7/30/2021	
Metals	**(mg/kg)**
Lead	112
Zinc	120

SB-29 (0'-2')	
4/6/2022	
Metals	**(mg/kg)**
Arsenic	16.5*
Lead	209
Zinc	259
Mercury	0.31

SB-29 (2'-4')	
4/6/2022	
Metals	**(mg/kg)**
Arsenic	83.8*
Chromium	42.8
Lead	163
Manganese	1,800
Nickel	37.9

TP-05 (5')	
7/30/2021	
Metals	**(mg/kg)**
Arsenic	16.9*
Lead	148
Zinc	133

SB-28 (0'-2')	
4/6/2022	
Metals	**(mg/kg)**
Lead	194
Zinc	163

SB-03 (2'-4')	
8/16/2021	
Metals	**(mg/kg)**
Lead	96.5

SB-25 (0'-2')	
4/6/2022	
Metals	**(mg/kg)**
Arsenic	15.2
Lead	91.9

SB-10 (2'-4')	
8/16/2021	
Metals	**(mg/kg)**
Lead	228
Mercury	0.927*
Zinc	235

SB-02 (2'-4')	
8/16/2021	
SVOCs	**(mg/kg)**
Benzo(a)anthracene	4.88*
Benzo(a)pyrene	4.85
Benzo(b)fluoranthene	5.06*
Benzo(k)fluoranthene	4.15*
Chrysene	5.07*
Dibenzo(a,h)anthracene	1.32
Indeno(1,2,3-cd)pyrene	4.3
Metals	**(mg/kg)**
Lead	258
Mercury	1.17*
Zinc	200

SB-27 (0'-2')	
4/6/2022	
SVOCS	**(mg/kg)**
Lead	210
Zinc	212
Mercury	0.48

SB-27 (2'-4')	
4/6/2022	
Metals	**(mg/kg)**
Arsenic	54*
Chromium	31.7
Manganese	1,840
Zinc	171

SB-08 (1'-3')	
8/16/2021	
Metals	**(mg/kg)**
Arsenic	13.1
Lead	211
Mercury	6.59*
Zinc	177

TP-01 (7')	
7/30/2021	
Metals	**(mg/kg)**
Lead	380
Zinc	182
Mercury	0.48

SB-26 (0'-2')	
4/6/2022	
SVOCS	**(mg/kg)**
Benzo(a)anthracene	4.4*
Benzo(a)pyrene	4.5
Benzo(b)fluoranthene	4.7*
Benzo(k)fluoranthene	3.7*
Chrysene	4.2*
Dibenzo(a,h)anthracene	0.61
Indeno(1,2,3-cd)pyrene	2.2
Metals	**(mg/kg)**
Lead	233
Zinc	246
Mercury	0.25

SB-32 (0'-2')	
4/6/2022	
SVOCs	**(mg/kg)**
Indeno(1,2,3-cd)pyrene	0.82
Metals	**(mg/kg)**
Lead	249
Zinc	222
Mercury	0.34

SB-01 (2'-4')	
8/16/2021	
SVOCs	**(mg/kg)**
Benzo(a)anthracene	3.34*
Benzo(a)pyrene	3.2
Benzo(b)fluoranthene	2.94*
Benzo(k)fluoranthene	2.73*
Chrysene	3.31*
Dibenzo(a,h)anthracene	0.755
Indeno(1,2,3-cd)pyrene	2.74
Metals	**(mg/kg)**
Lead	407
Mercury	0.881*
Zinc	178

SB-30 (0'-2')	
4/6/2022	
Metals	**(mg/kg)**
Lead	157
Zinc	162
Mercury	0.68

SB-30 (2'-4')	
4/6/2022	
VOCs	**(mg/kg)**
Acetone	0.085*
SVOCs	**(mg/kg)**
Benzo(a)anthracene	8*
Benzo(a)pyrene	7.3
Benzo(b)fluoranthene	7.9*
Benzo(k)fluoranthene	6.1*
Chrysene	4.1*
Dibenzo(a,h)anthracene	1.1
Indeno(1,2,3-cd)pyrene	4.9
Metals	**(mg/kg)**
Cadmium	2.77
Copper	55.7
Lead	536*
Zinc	462
Mercury	0.83*
Pesticides	**(mg/kg)**
4,4'-DDE	0.007

SB-31 (0'-2')	
4/6/2022	
SVOCs	**(mg/kg)**
Indeno(1,2,3-cd)pyrene	0.63
Metals	**(mg/kg)**
Lead	362
Mercury	0.72

TP-02 (7.5')	
7/30/2021	
SVOCs	**(mg/kg)**
Indeno(1,2,3-cd)pyrene	0.72

SB-20 (0'-4')	
4/5/2022	
VOCS	**(mg/kg)**
Acetone	0.13*
Metals	**(mg/kg)**
Arsenic	22.4*
Barium	420
Copper	79.8
Lead	948*
Mercury	0.5

SB-21 (0'-2')	
4/6/2022	
VOCs	**(mg/kg)**
Acetone	0.079*
Metals	**(mg/kg)**
Arsenic	29.7*
Lead	73.3

SB-21 (2'-4')	
4/6/2022	
Lead	283
Mercury	0.44
Zinc	124

SB-07 (6'-8')	
8/16/2021	
VOCs	**(mg/kg)**
1,2,4-Trimethylbenzene	3.9*
Ethyl Benzene	3.7*
Methylene chloride	1.3*
Naphthalene	46*
n-Propylbenzene	5.9*
SVOCs	**(mg/kg)**
Naphthalene	23*

SB-04 (8'-10')	
8/16/2021	
SVOCs	**(mg/kg)**
Benzo(a)anthracene	1.14*
Benzo(a)pyrene	1.23
Benzo(b)fluoranthene	1.17
Benzo(k)fluoranthene	1
Chrysene	1.2*
Indeno(1,2,3-cd)pyrene	0.943
Metals	**(mg/kg)**
Lead	125
Mercury	0.412
Zinc	110

SB-24 (0'-2')	
4/6/2022	
SVOCS	**(mg/kg)**
Benzo(a)anthracene	3.4*
Benzo(a)pyrene	2.9
Benzo(b)fluoranthene	2.9*
Benzo(k)fluoranthene	2.3*
Dibenzo(a,h)anthracene	0.36
Indeno(1,2,3-cd)pyrene	2.1
Metals	**(mg/kg)**
Lead	226
Mercury	0.32
Zinc	201

NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate
5. Cells marked with an asterisk contain concentrations that exceed the New York State Soil Cleanup Objectives for Restricted Use Protection of Groundwater.

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PHASE II

**114 N Broad Street,
Peekskill, NY 10566**

0 50
1 inch = 50 ft

Legend
- Site Boundary
- Current Tax Parcels
- Former Tax Parcels
- 2022 Soil Borings/Monitoring Wells
- 2022 Soil Boring Locations
- 2021 Soil Borings/Monitoring Wells
- 2021 Soil Boring Locations
- Test Pit Locations
- Areas of Concern (AOC)

AOC-01: Contaminated Historic Fill Material - Site Wide
AOC-02: Former Elevator Pits
AOC-3: Anomaly Identified as Possible UST
AOC-04: Backfilled Excavation / Former Gasoline UST
AOC-05: Upgradient, Off-Site Groundwater
AOC-06: Anomaly Identified as Possible UST

Soil Sampling Results

FIGURE 4

LaBella Project No: 2220750
Date: May 2025

	NYSDEC TOGS 1.1.1 AWQS
VOCs	(µg/L)
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Ethyl Benzene	5
Naphthalene	10
n-Butylbenzene	5
n-Propylbenzene	5
Xylenes, Total	5
SVOCs	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Naphthalene	10
Phenanthrene	50
Pyrene	50
Metals	
Arsenic	25
Chromium	50
Copper	200
Lead	25
Manganese	300
Metals Dissolved	
Manganese	0.7

MW-03	
8/16/2021	
Metals	µg/L
Manganese	1,140
Metals Dissolved	µg/L
Manganese	1,040

MW-02	
8/16/2021	
VOC	µg/L
1,2,4-Trimethylbenzene	16.7
1,3,5-Trimethylbenzene	13.2
Benzene	42.2
Ethyl Benzene	33.1
Naphthalene	365
n-Butylbenzene	17.2
n-Propylbenzene	35.2
Xylenes, Total	10.5
SVOC	µg/L
Benzo(a)anthracene	94
Naphthalene	48,400
Phenanthrene	61,400
Pyrene	1,880
Metals	µg/L
Arsenic	107
Chromium	131
Lead	61.6
Manganese	7,640
Metals Dissolved	µg/L
Manganese	5,920

MW-01	
8/16/2021	
SVOC	µg/L
Benzo(a)anthracene	0.122
Benzo(a)pyrene	0.144
Benzo(b)fluoranthene	0.122
Benzo(k)fluoranthene	0.133
Chrysene	0.111
Metals	µg/L
Arsenic	87.2
Chromium	146
Copper	207
Lead	56.7
Manganese	3,850
Metals Dissolved	µg/L
Manganese	358

SB-09/MW-03
SB-25/MW-07
SB-17/MW-05
SB-07/MW-02
SB-06/MW-01
SB-24/MW-06
SB-14/MW-04
AOC-02
AOC-03
AOC-04
AOC-06
33.22-8-14
33.22-8-17
33.22-8-5
33.22-8-6
33.22-8-7
33.22-8-8
33.22-8-11
114
N Broad St
N Broad St
Groundwater Flow

NOTES :
1. Property boundaries are considered approximate.
2. Aerial Image obtained from Esri ArcGIS Online and may not represent current conditions.
3. Soil sampling locations and Monitoring well locations are co-located on site.
4. All sample locations are approximate.
5. Cells highlighted in blue exceed the New York State Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values.

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Path: B:\GLOBAL\Projects\Broad Howard, LLC\2220750 - Peekskill NY Ph II\06_Drawings\DIG\Maps\APRX\2025 Phase II ESA\2025 Phase II ESA.aprx

LaBella
Powered by partnership.

PHASE II

114 N Broad Street, Peekskill, NY 10566

0 25

1 inch = 25 feet

Legend
- Site Boundary
- Current Tax Parcels
- Former Tax Parcels
- 2022 Soil Borings/Monitoring Wells
- 2021 Soil Borings/Monitoring Wells
- Areas of Concern (AOC)

AOC-01: Contaminated Historic Fill Material - Site Wide
AOC-02: Former Elevator Pits
AOC-3: Anomaly Identified as Possible UST
AOC-04: Backfilled Excavation / Former Gasoline UST
AOC-05: Upgradient, Off-Site Groundwater
AOC-06: Anomaly Identified as Possible UST

Groundwater Sampling Results

FIGURE 5

LaBella Project No: 2220750
Date: May 2025

APPENDIX A

Geophysical Surveys

Project # 42137.00

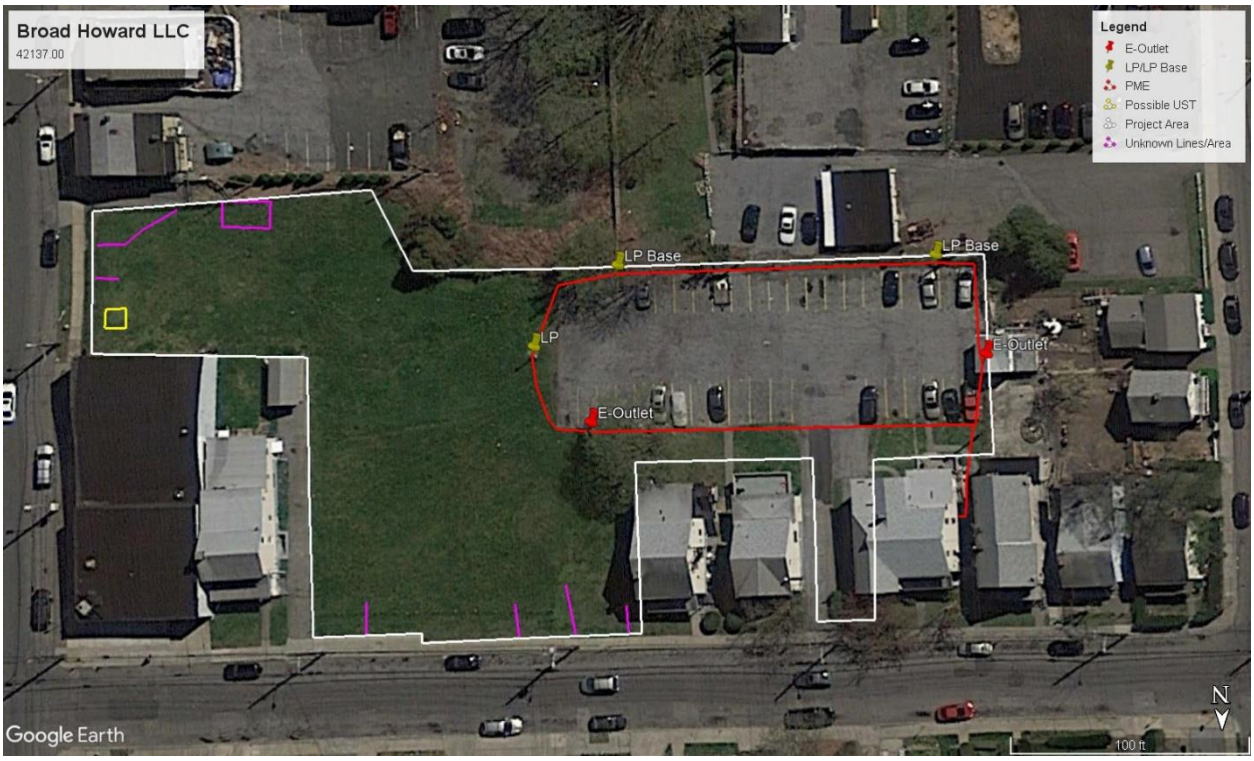
Project Name: Broad Howard LLC

Site Location: Howard Street, Peekskill, NY

Tech: Joseph Federico

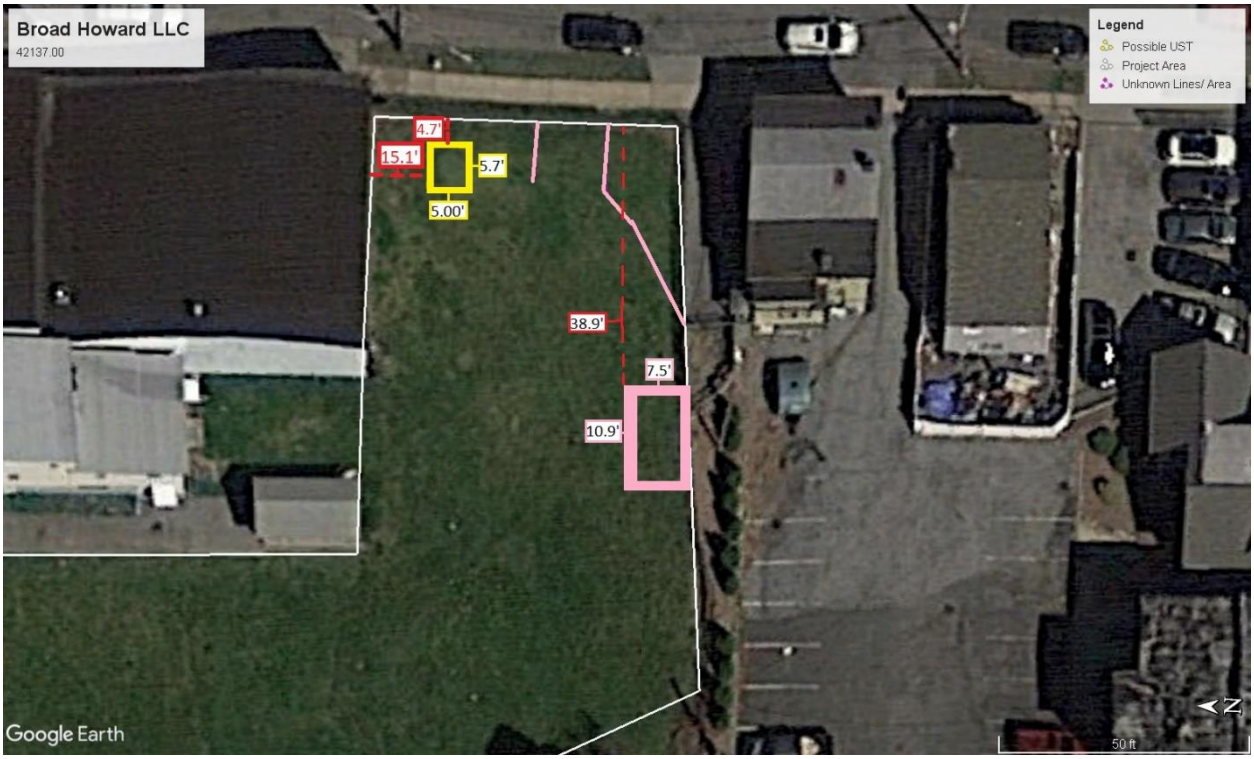
Date Performed: 7/14/21

Scope: The scope of the project was to search for UST's (Underground Storage Tanks) around the property in the project area, with a focus near the commercial property and previous residential properties.



Findings: GPR located evidence of a possible UST on site. The pictures below will show the UST area marked out in pink paint/flagging. In the picture above and below it is marked out with a yellow box. GPR located evidence of an unknown area/possible excavation pit. It is also marked out with pink paint/flagging. In the Pictures above and below it is marked out with a pink box. In the previous residential areas GPR located unknown lines in which they all suddenly stop. The only utility identified was a live power line connecting electric outlets and light poles around the back-parking lot in to the side of a house.

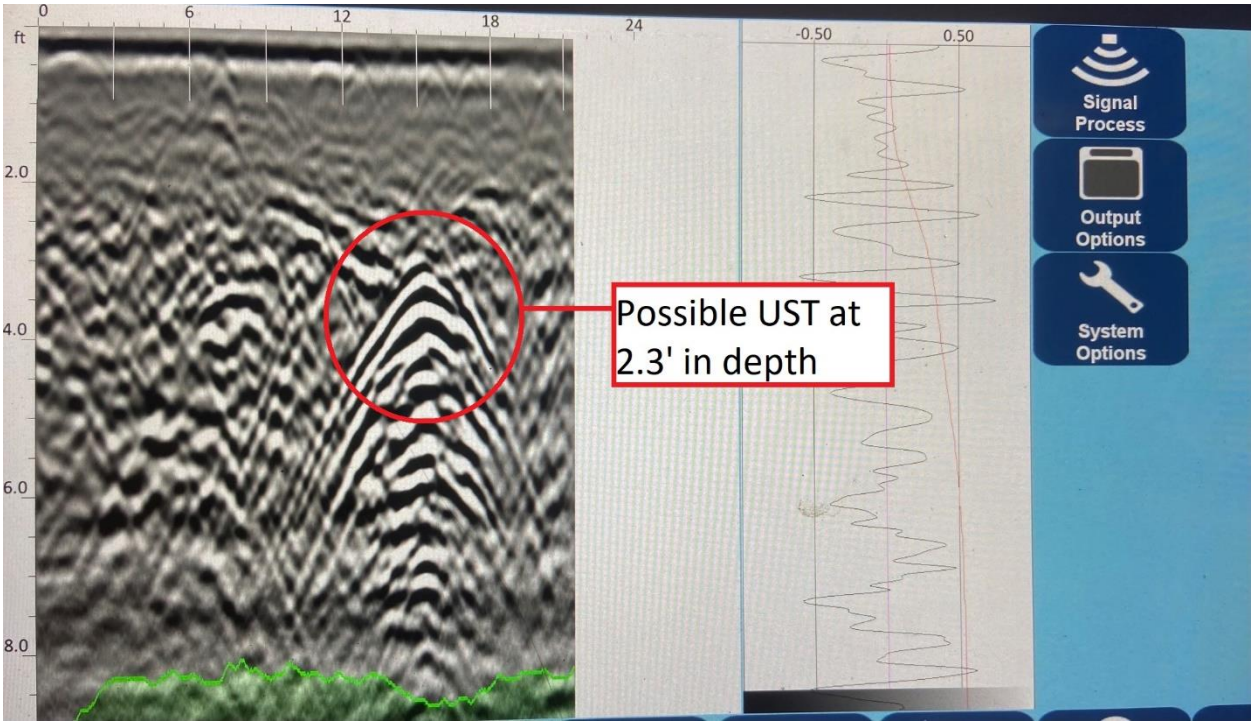
Area of Interest



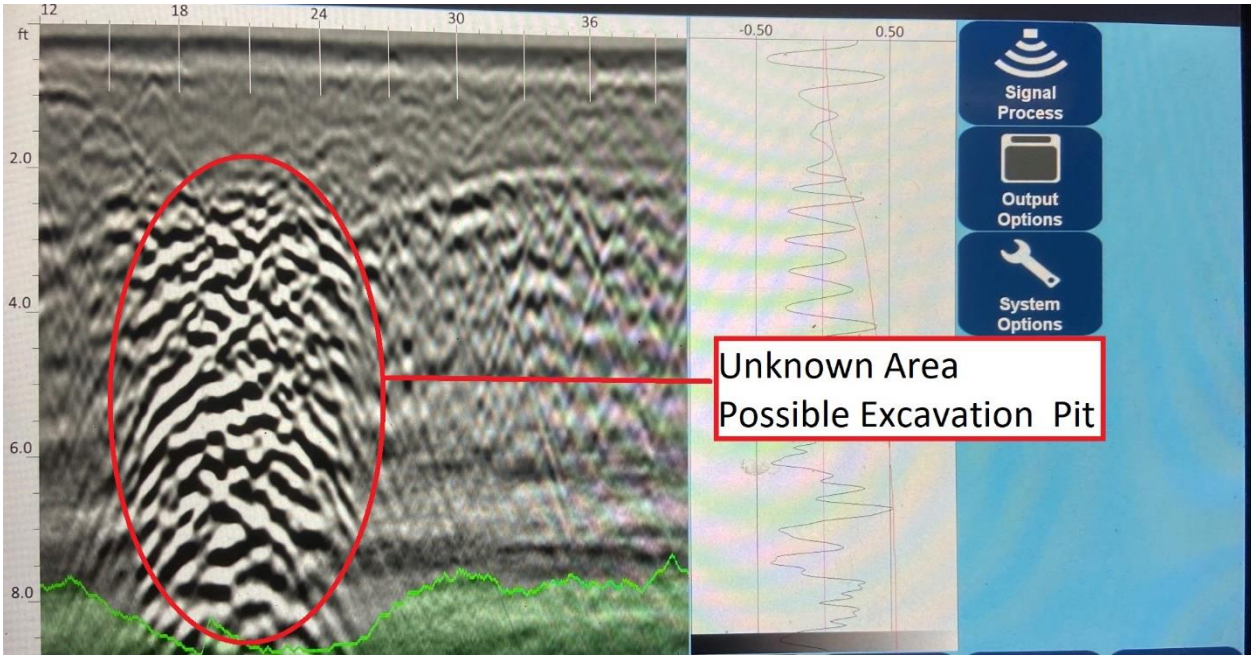
The yellow box above is the possible UST. It is 5.7’ long and 5.00’ wide. It is 15.1’ from the commercial building. It is 4.7’ from the Eastern fence. GPR data screenshots along with site pictures will be posted below.

The pink box above is the unknown area/possible excavation pit. It is 10.9’ long and 7.5’ wide. It is 38.9’ from the Eastern fence and 7.5’ from the Southern Fence. GPR data screenshots along with site pictures will be posted below.

Also, in the area are two unknown lines located with the GPR and radio Frequency. They are both marked out with pink flagging and pink paint.


0
6
12
18
24
ft
2.0
4.0
6.0
8.0
-0.50
0.50
Signal Process
Output Options
System Options
Possible UST at 2.3' in depth




12
18
24
30
36
ft
2.0
4.0
6.0
8.0
-0.50
0.50
Signal Process
Output Options
System Options
Unknown Area
Possible Excavation Pit



Project # 2220750

Project Name: Broad Howard LLC

Site Location: 116 North Broad St. Peekskill, NY

Technician: Joseph Federico

Date Performed: 3/25/22

Scope: The scope of the project was to search for UST's (Underground Storage Tanks) within the designated areas and to also clear utilities for boring locations.

GPR Findings: GPR located evidence of 3 possible UST's within the designated areas.

Utilities located were drain lines and electric lines.

Project Site Picture

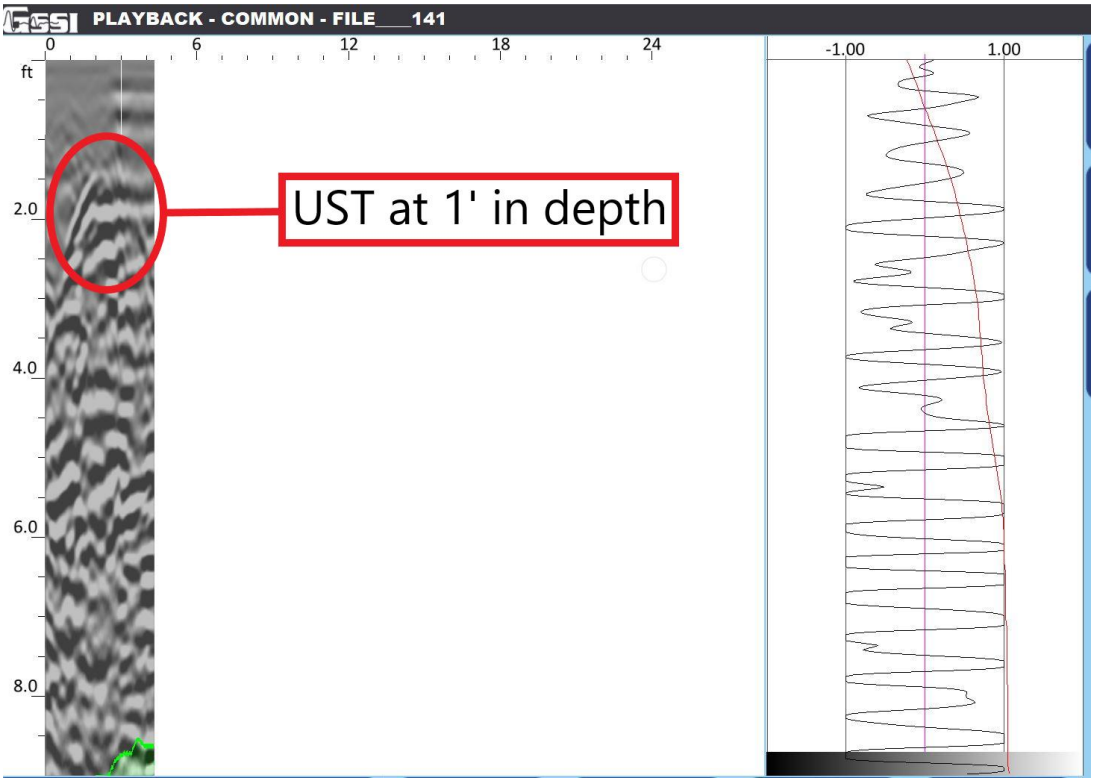


UST Pictures/Descriptions



Above is a site picture of a possible UST. Labeled UST3 on the site map.

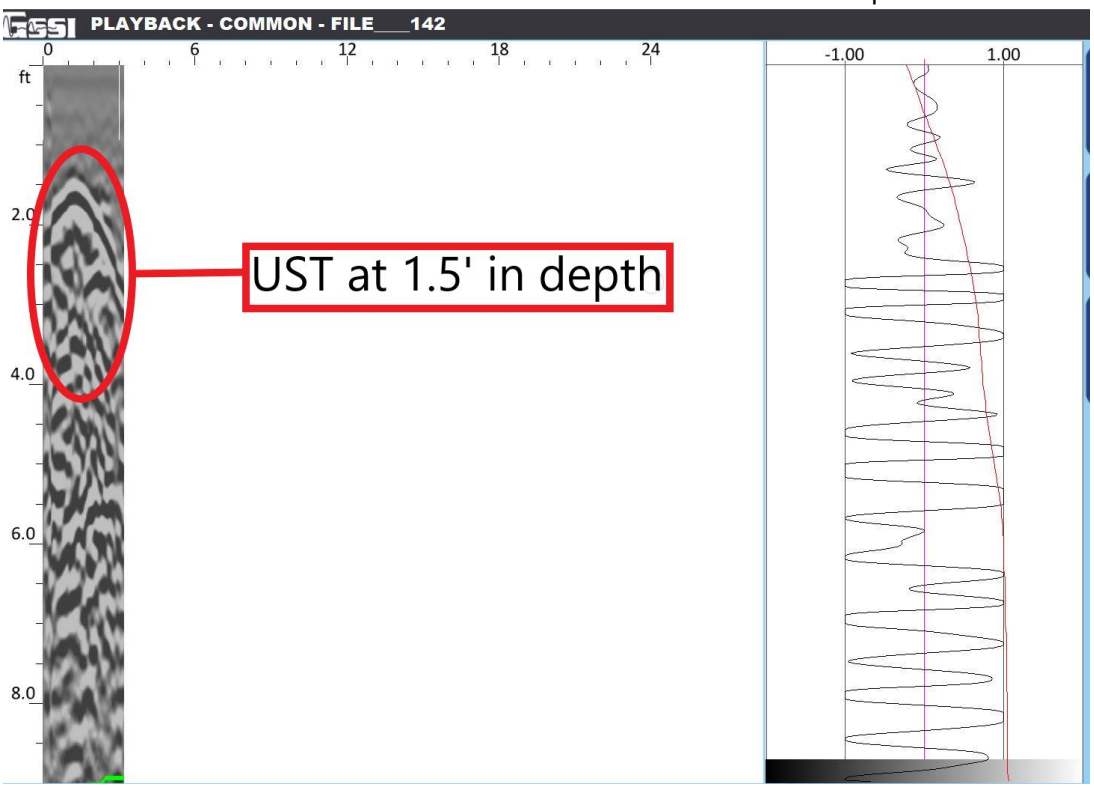
Below is the GPR data screenshot of the UST in the above site picture.

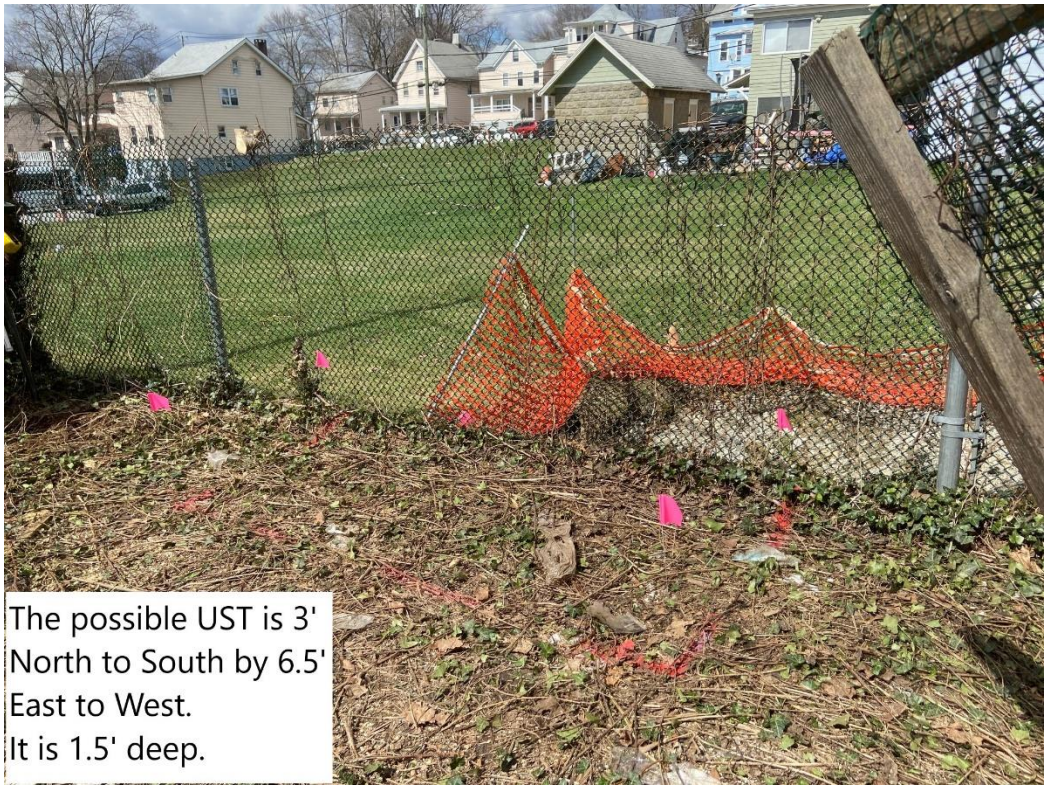




Above is a site picture of a UST, labeled UST2 on the site map.

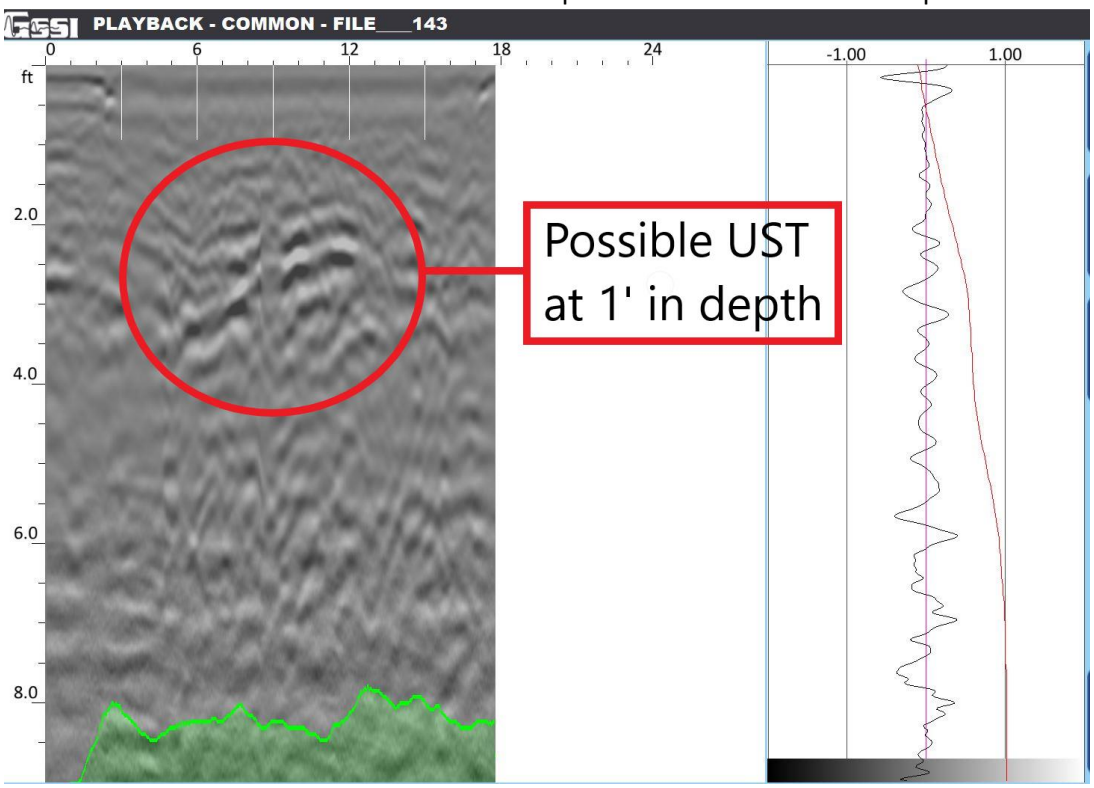
Below is the GPR data screenshot of the UST in the above site picture.





Above is a site picture of a possible UST, labeled possible UST1 on the site map.

Below is the GPR data screenshot of the possible UST in the above site picture.



APPENDIX B

Field Logs

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-01**

Total Depth: 7.2 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 7.2 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								8" Mostly sand (f-m) with silt.		Eastern Site Area Near East boundary
2			1	0	24			16" Fill - Mostly sand (f-m) with silt, some C&D (concrete, brick, ash).		Soil Sample: SB-01(2-4ft) 08:45
3										
4										
5			2	0	26			20" Fill - Mostly sand (f-m) with silt, some C&D (concrete brick, ash).		Analyses: Part 375 Metals Part 375 SVOCs
6								6" Mostly silt with sand (f). Native.		
7								Refusal on apparent bedrock at 7.2' bgs.		
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-02**

Total Depth: 6 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 6 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								6" Mostly sand (f-m) with silt.		Eastern Site Area
2			1	0	24			18" Fill - Mostly sand (f-m) with silt, some C&D (concrete, brick, ash).		Former bldg. footprint (116 N. Broad St.)
3										Soil Sample: SB-02(2-4ft) 0915
4										
5			2	0	24			14" Fill - Mostly sand (f-m) with silt, some C&D (concrete brick, ash).		Analyses: Part 375 Metals Part 375 SVOCs
6								10" Silty sand (f-m) with L. gravel (f). Native. Refusal on apparent bedrock at 6' bgs.		
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-03**

Total Depth: 7 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 7 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								22" Mostly sand (f-m) with silt, L. gravel (f).		Northern Site Area Near northeast boundary (1135 Howard Street)
2			1	0	36			14" SAA. Trace Ash.		Soil Sample: SB-03(2-4ft) 09:40
3										
4										
5			2	0	36			36" Mostly sand (f-m) with silt, L. gravel (f).		Analyses: Part 375 Metals Part 375 SVOCs
6										
7								Refusal on apparent bedrock at 7' bgs.		
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-04**

Total Depth: 11 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: 8 ft.
Rock Depth: 11 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								8" Mostly sand (f-m) with silt, L. gravel (f).		Southern Site Area West of elevator pit / "former gasoline UST" area
2			1	0	34			26" Fill - Sand (f-c) w/ silt; C&D (concrete, brick, asphalt, ash)		
3										
4										Soil Sample: SB-04(8-10ft) 10:20
5				0				12" SAA.		
6			2	0	36			12" SAA, some gravel (f), L. gravel (c)		Analyses: Part 375 Metals Part 375 VOCs Part 375 SVOCs PCBs
7				45				12" SAA, HC odor, stained soil (grey). Moist		
8				267		▼				
9				202				26" SAA. Saturated. HC odor, stained soil (grey)		
10			3	150	32			12" Mostly sand (m-c), some gravel (f). Saturated. HC odor, staining (grey)		
11				145				Refusal on apparent bedrock at 11' bgs.		
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-05**

Total Depth: 5 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 5 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								38" Fill- Mostly sand (f-m) with silt, C&D (brick, concrete)		Southeast Site Area Property boundary
2			1	0	38					
3										No samples collected.
4										
5			2	0	8			8" Fill - Sand (f-m) with silt, some C&D (concrete brick, ash)		
								Refusal on apparent bedrock at 5' bgs.		
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: SB-06 / MW-01

Total Depth: 11 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: 7 ft.
Rock Depth: 10.5 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								6" Mostly sand (f-m) with silt, L. gravel (f).		Southeast Site Area East of elevator pit / "former gasoline UST" area
2			1	0	36			30" Fill - Sand (f-c) w/ silt; C&D (concrete, brick, asphalt, ash)		
3										
4										Soil Sample: SB-06(5-7ft) 11:20
5								6" SAA.		
6			2	0	42			36" silty sand (f-m), L. gravel (f), moist		Analyses: Part 375 Metals Part 375 VOCs Part 375 SVOCs PCBs
7						▼				
8										
9			3	0	24			4" SAA, saturated.		Groundwater Sample: MW-01 14:40
10								20" Mostly sand (m-c) with silt, some gravel (f). Saturated.		
11								Refusal on apparent bedrock at 10.5' bgs.		Analyses: Part 375 Metals -Total and Dissolved Part 375 VOCs Part 375 SVOCs PCBs
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: SB-07 / MW-2

Total Depth: 11 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: 7.7 ft.
Rock Depth: 11 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								8" Mostly sand (f-m) with silt, L. gravel (f).		Southern Site Area West of elevator pit / "former gasoline UST" area ~15 feet step-out West of SB-04
2			1	0	42			34" Fill - Sand (f-c) w/ silt; C&D (concrete, brick, asphalt, ash)		
3										
4										
5				0				12" SAA.		
6			2	36	44			32" Silty sand (f-m), some gravel (f), HC odor, grey staining, moist.		
7				68						
8				290		▽				
9				345				22" SAA. Saturated. HC odor, stained soil (grey)		Soil Sample; SB-07(6-8ft) 11:30 Analyses: Part 375 Metals Part 375 SVOCs Part 375 VOCs Part 375 SVOCs PCBs Groundwater Sample: MW-02 14:55 Analyses: Part 375 Metals -Total and Dissolved Part 375 VOCs Part 375 SVOCs PCBs
10			3	142	22					
11				102				Refusal on apparent bedrock at 11' bgs.		
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-08**

Total Depth: 8.5 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 8.5 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								6" Mostly sand (f-m) with silt, L. gravel (f).		Central Site Area Within W-SW portion of former site building footprint.
2			1	0	42			36" Fill - Sand (f-c) with silt, some gravel (f), some C&D (concrete, ash, brick)		
3										
4										
5								36" SAA, moist.		Soil Sample: SB-08(1-3ft) 12:35
6			2	0	36					Analysis: Part 375 Metals Part 375 SVOCs
7										
8			3		0					
9								Refusal on apparent bedrock at 8.5' bgs.		
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: SB-09 / MW-3

Total Depth: 8.2 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: 7.5 ft.
Rock Depth: 8.2 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								10" Mostly sand (f-m) with silt, L. gravel (f).		Northwestern Site Area Within footprint of former dwelling (1125 Howard Street) Soil Sample:
2			1	0	40			30" Fill - Sand (f-c) with silt, some gravel (f), some C&D (concrete, ash, wood)		
3										
4										
5				35				24" SAA, moist, odor, slight grey staining		Soil Sample: SB-09(7-8ft) 13:30
6			2	42	42			18" Sand (f-m) w/ silt, L. gravel (f), odor, grey staining.		Analyses: Part 375 Metals Part 375 SVOCs Part 375 VOCs
7				65		▼				
8				62				Refusal on apparent bedrock at 8.2' bgs.		Groundwater Sample: MW-03 15:25
9										Analyses: Part 375 Metals -Total and Dissolved Part 375 VOCs Part 375 SVOCs
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-10**

Total Depth: 6.5 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 6.5 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1										Central Site Area
2			1	0	18			18" Fill - Sand (f-c) with silt, some gravel (f), some C&D (concrete, ash, brick)		Within northern portion of former site building footprint (116 N. Broad Street)
3										
4										
5			2	0	22			22" Sand (f-m) with silt, some gravel (f)		Soil Sample: SB-10(2-4ft) 13:55
6										Analysis: Part 375 Metals Part 375 SVOCs
7								Refusal on apparent bedrock at 6.5' bgs.		
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

THE Chazen COMPANIES

45 Main Street, Suite 1018
Brooklyn, NY 11201

PROJECT: Davel Realty Corporation Property
LOCATION: 116 N. Broad St. and 1125, 1131, and 1135 Howard St.
CLIENT: Broad Howard LLC
PROJECT NO.: 42137.00

Test Boring No.: **SB-11**

Total Depth: 7.8 ft.

Contractor: CoreDown Drilling
Drill Rig: 54 DT
Driller: Joe Belluci
Geologist: Branson Fields

Start Date: August 16, 2021
Finish Date:
El. Datum: -
G.S. Elevation: -

Northing: na
Easting: na
Longitude: na
Latitude: na

Borehole Dia.: 2 in.
Water Depth: - ft.
Rock Depth: 7.8 ft.
Well Depth: na ft.

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1-4			1	0	30			30" Mostly sand (f-m) with silt, L. gravel (f).		North central Site Area South of former dwelling footprint (1131 Howard Street) No samples collected.
5-7			2	0	40			40" Mostly sand (f-m) with silt, L. gravel (f).		
8								Refusal on apparent bedrock at 7.8' bgs.		

METHODS: **HSA**- Hollow Stem Auger, **RWH**- Rotary Wash, **SSA**- Solid Stem Auger, **CPT**- Cone Penetrometer

SAMPLE TYPES: **AS**-Auger, **WS**-Wash, **SS**-Split Spoon, **RC**-Rock Core, **GS**-Grab, **ST**-Shelby Tube, **PS**-Piston

STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

ADDITIONAL NOTES:
1. **NOSOI-No obvious sign of impacts**
2. **saa - same as above**
3 **bgs - below ground surface**
4. **TGSP - Temporary Groundwater Sampling Point**

DRILLING INFORMATION

Method: Direct Push
Method: Macro-Core

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 12
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 5 near N. James		TIME:	8:55 TO 9:25
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/5/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Topsoil	0	Refusal at 2.5 ft bgs
1	20			Brown silt and fine sand, trace gravel	0	VOC grab at 1 ft bgs
2				Brown silt and fine sand, trace gravel, moisture	0	
3						Sampled: SB-12 (0-2 ft) 9:25
4						Soil gas probe installed SG-01 at 2 ft bgs
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	2.5	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 13
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 5 rear		TIME:	9:55 TO 10:10
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/5/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Organic layer, sand and silt	0	Refusal at 4 ft bgs
1					0	
2	33			FM sand little silt, trace gravel, mositure	0	Sampled: SB-13 (0-2ft) 10:10 VOC grab at 1 ft bgs
3					0	
4				Dark brown sand little silt	0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 14
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF
BORING LOCATION: Lot 5 building rear
GROUND SURFACE ELEVATION NA
START DATE: 4/5/22 END DATE:
TIME: 10:20 TO 10:50
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				FM sand little silt	0	Refusal at 8 ft bgs
1					0	
2					0	Sampled: SB-14 (0-2ft) 10:35 SB-14 (4-6ft) 10:50 VOC at 1 ft bgs
3				Light brown FM sand little silt, trace gravel	0	
4	85				0	
5				FM sand little silt, mositure encountered	0	MW-04 installed (1") riser to grade, manhole (4")
6					0	
7					0	
8					0	SG-02 5' west of MW-04 4 ft bgs
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater encountered at 4.5 ft bgs
4/5/2022				8.0	4.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 15
SHEET 1 of 1
JOB: 222750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 6 east of building		TIME:	12:20 TO 12:45
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/5/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	86			Asphalt, gravel	0	Sampled: SB-15 (0-2ft) 12:35 VOC at 1 ft bgs SB-15 (2-4ft) 12:45 VOC at 5 ft bgs
1				Light brown FM sand little silt, trace gravel, slight moisture	0	
2					0	
3					0	
4				Dark brown FM sand little silt, trace gravel, moisture throughout	0	
5					0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	8.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 16
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF

BORING LOCATION: Lot 6 rear of building
GROUND SURFACE ELEVATION NA
START DATE: 4/5/22 END DATE:

TIME: 12:45 TO 13:15
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Sampled: SB-16 (0-2ft) 13:00 VOC at 1 ft bgs SB-16 (2-4ft) 13:15 VOC at 3 ft bgs
1					0	
2	54			FM sand little silt, trace gravel, mositure from 15 inches down	0	
3					0	Refusal at 5 ft bgs
4					0	
5					0	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	5.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 17
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 4/5/22 END DATE:

TIME: 13:50 TO 14:15
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Water encountered at 2 ft bgs
1				FM sand little silt, trace gravel Urban fill material, no odor	0	
2	31			FM sand little silt, saturated throughout	0	Sampled: SB-17 (0-2ft) 13:55 VOC at 1 ft bgs SB-17 (2-4ft) 14:15 VOC at 3 ft bgs
3					0	
4					0	
5					0	
6						MW-05 screen 0.5-5 ft bgs stick up 2'
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater at 2 ft bgs
4/5/2022				5.0	2	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 18
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 12		TIME:	14:55 TO 15:00
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/5/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Refusal at 4 ft bgs
1					0	
2	23			FM sand little silt, trace gravel, moisture	0	Sampled: SB-18 (0-4ft) 15:00 VOC grab at 1 ft bgs
3					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Encountered groundwater at 3.5 ft bgs
NA	NA	NA	NA	4.0	3.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
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Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 19
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 12 rear of building		TIME:	15:10 TO 15:30
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/5/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	34			Asphalt, gravel	0	Refusal at 4 ft bgs
1				MF sand little silt, trace gravel		
2				Urban fill material, no odor	0	Sampled: SB-19 (0-2ft) 15:20 VOC at 1 ft bgs SB-19 (2-4ft) 15:30 VOC at 3 ft bgs
3					0	
4				MF sand, little silt, trace gravel, saturated	0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater encountered at 3.5 ft bgs
NA	NA	NA	NA	4.0	3.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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LaBella Project #2220750

BORING: SB - 20
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/5/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF
BORING LOCATION: Lot 7 rear of the parcel
GROUND SURFACE ELEVATION NA
START DATE: 4/5/22 END DATE:
TIME: 15:40 TO 15:45
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Refusal at 4 ft bgs
1					0	
2	27			MF sand, little silt, trace gravel, saturated	0	Sampled: SB-20 (0-4ft) 15:45 VOC at 1 ft bgs combined 0-4' due to low recovery
3					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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trace = 1 - 10%

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BORING: SB - 21
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 8 rear of parcel		TIME:	9:00 TO 9:25
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Sampled: SB-21 (0-2ft) 9:05 VOC at 1 ft bgs SB-21 (2-4ft) 9:25 VOC at 3 ft bgs
1				Dark brown FM sand little silt, trace gravel	0.3	
2	46				1.7	
3				Light brown FM sand little silt, trace gravel, moisture throughout	3.4	
4					12.6	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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M = Medium
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Multiple Sites in Peekskill, NY
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LaBella Project #2220750

BORING: SB - 22
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 7 rear of the building		TIME:	9:30 TO 9:50
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Sampled: SB-22 (0-2ft) 9:40 VOC at 1 ft bgs SB-22 (2-4ft) 9:50 VOC at 3 ft bgs
1					0	
2	35			FM sand little silt, trace gravel, moisture beginning at 1.5 ft bgs	0	
3					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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trace = 1 - 10%

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Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 23
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 8 rear of building		TIME:	10:00 TO 10:25
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Asphalt, gravel	0	Sampled: SB-23 (0-2ft) 10:15 VOC at 1 ft bgs SB-23 (2-4ft) 10:25 VOC at 3 ft bgs
1				FM sand little silt, trace gravel	0	
2				Bricks, concrete	0	
3				Dark brown sand little silt, little clay, moisture throughout	0	
4	86				0	
5					0	
6					0	
7				Light brown sand, trace gravel	0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	8.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
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VF = Very Fine

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Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 24
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF

BORING LOCATION: Lot 13
GROUND SURFACE ELEVATION NA
START DATE: 4/6/22 END DATE:

TIME: 11:40 TO 12:00
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Organic layer	0	Sampled: SB-24 (0-2ft) 11:50 VOC at 1 ft bgs SB-24 (5-7ft) 12:00 VOC at 6 ft bgs
1				MF sand little silt, trace gravel	0	
2				Bricks, urban fill	0	
3				MF sand little silt, trace gravel	0	
4	64				0	MW-06 installed screen 3-8 ft bgs flush mount well cover
5				Light brown MF sand little silt, trace gravel, saturated	0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Monitoring well installed here
4/6/2022				8.0	3	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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BORING: SB - 25
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF

BORING LOCATION: Lot 18 northern area
GROUND SURFACE ELEVATION NA
START DATE: 4/6/22 END DATE:

TIME: 12:15 TO 12:35
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Organic layer	0	Sampled: SB-25 (0-2ft) 12:55 VOC at 1 ft bgs SB-25 (5-7ft) 12:35 VOC at 6 ft bgs
1				Light brown MF sand little silt, trace gravel	0	
2					0	
3					0	
				F sand little silt		
4	78			Gravel and rock layer	0	MW-07 screen 1-6 ft bgs flush mount well cover
5				F sand little silt	0	
6				MF sand little silt, trace gravel, moisture throughout	0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Monitoring well installed here
4/6/2022				8.0	4	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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BGS = Below Ground Surface
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trace = 1 - 10%

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LaBella Project #2220750

BORING: SB - 26
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF
BORING LOCATION: Lot 18 southeast corner
GROUND SURFACE ELEVATION NA
START DATE: 4/6/22 END DATE:
TIME: 14:15 TO 14:35
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Organic layer	0	Sampled: SB-26(0-2FT) 14:25 VOC at 1 ft bgs SB-26(2-4FT) 14:35 VOC at 3 ft bgs
1				Dark brown MF sand little silt	0	
2	34			Rock/gravel layer	0	
3				Light brown MF sand little silt, trace gravel, some moisture	0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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BORING: SB - 27
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF
BORING LOCATION: Lot 17 southern portion
GROUND SURFACE ELEVATION NA
START DATE: 4/6/22 END DATE:
TIME: 14:45 TO 14:55
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				MF sand little silt, trace gravel	0	Sampled: SB-27(0-2FT) 14:50 VOC at 1 ft bgs SB-27(2-4FT) 14:55 VOC at 3 ft bgs
1					0	
				Bricks, glass		
2	37				0	
3				MF sand little silt, saturated	0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater encountered at 2.5 ft bgs
NA	NA	NA	NA	4.0	2.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 28
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 17 northern portion		TIME:	13:15 TO 13:35
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Organic layer	0	Sampled: SB-28(0-2FT) 13:20 VOC at 1 ft bgs SB-28(2-4FT) 13:35 VOC at 3 ft bgs
1				Dark brown MF sand little silt	0	
2	39			Light brown MF sand little silt, trace gravel	0	
3					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 29
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR: CoreDown Drilling
DRILLER: Joe Belluci
LABELLA REPRESENTATIVE: OH + BF
BORING LOCATION: Lot 16 northern portion
GROUND SURFACE ELEVATION NA
START DATE: 4/6/22 END DATE:
TIME: ___ TO 2:10
DATUM: NA
WEATHER: Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	46			MF sand little silt	0	Sampled: SB-29 (0-2ft) 14:00 VOC at 1 ft bgs SB-29 (2-4ft) 14:10 VOC at 3 ft bgs
				Rock and gravel layer		
1				Light brown MF sand little silt, trace gravel	0	
2					0	
3				Rock/gravel layer	0	
4				MF sand little silt, trace gravel	0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 30
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 16 southern portion		TIME:	14:55 TO 15:15
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40
TYPE OF DRILL RIG: Geoprobe 54DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	32			Organic layer	0	Sampled: SB-30 (0-2ft) 15:05 VOC at 1 ft bgs SB-30 (2-4ft) 15:15 VOC at 3 ft bgs
1				Light brown MF sand little silt, trace gravel	0	
2				Urban fill, bricks	0	
3				Light brown MF sand little silt, trace gravel	0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	4.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

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some = 20 - 35%
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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 31
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 13 west of SB-07			TIME:	15:20 TO 15:30
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA		DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE:	4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				MF sand little silt, trace gravel	0	Sampled: SB-31 (0-2ft) 15:20 VOC at 1 ft bgs SB-31 (4-6ft) 15:30 VOC at 5 ft bgs
1					0	
2				Bricks, concrete	0	
3					0	
4	61				0	
5				MF sand little silt, trace gravel, saturated throughout	0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	8.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: SB - 32
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 4/6/2022

CONTRACTOR:	CoreDown Drilling	BORING LOCATION: Lot 13 northeast of SB-31		TIME:	15:30 TO 15:45
DRILLER:	Joe Belluci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: OH + BF		START DATE: 4/6/22	END DATE:	WEATHER:	Partly cloudy 40

TYPE OF DRILL RIG: Geoprobe 54DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	82			Light brown MF sand little silt, trace gravel	0	Sampled: SB-32 (0-2ft) 15:40 VOC at 1 ft bgs SB-32 (5-7ft) 15:45 VOC at 6 ft bgs SB-32 (5-7ft) MS 15:45 VOC at 6 ft bgs SB-32 (5-7ft) MSD 15:45 VOC at 6 ft bgs, missing one DI vile from sample
1					0	
2					0	
3					0	
4				MF sand little silt, trace gravel, moisture throughout	0	
5					0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	8.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

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M = Medium
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PROJECT
Phase II Environmental Site Assessment
Multiple Sites in Peekskill, NY
Broad Howard, LLC
LaBella Project #2220750

BORING: TP-06
SHEET 1 of 1
JOB: 2220750
CHKD BY:
DATE: 5/2/2025

CONTRACTOR: NA
DRILLER: NA
LABELLA REPRESENTATIVE: JP
BORING LOCATION: Lot 12
GROUND SURFACE ELEVATION NA
START DATE: 5/2/25 END DATE: 5/2/25
TIME: 13:00 TO 15:00
DATUM: NA
WEATHER: Partly cloudy 70F

TYPE OF DRILL RIG: Manual
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: N/A
DRIVE SAMPLER TYPE: NA
INSIDE DIAMETER: NA
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0					0	
1			2	Dark brown, sand and silt, trace black sand, brick, glass, wood, debris	0	
2					0	
				Brown sand some silt		
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF Test Pit	GROUNDWATER ENCOUNTERED	Groundwater not encountered
NA	NA	NA	NA	2.5	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
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trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
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300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-04

Project Name: Multiple sites in Peekskill
Project No.: 2220750
Location: Lot #5
Development By: BF
Date: 4/7/2022
Weather: Rain, 45 degrees

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch
Static Water Level: 3.54 -Feet
Depth of Well: 6.58 -Feet
Single Well Volume: 0.12 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☒ Pump - Type Peristaltic
Sampling Device:
Pump Rate: 0.05 gpm

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O2 (mg/L)	Comments
8:55	0.5	6.91	7.8	0.67	214	2.86	Color = Clear
9:05	1.0	6.81	7.6	0.68	95	2.60	LNAPL or DNAPL observed = No
9:15	1.5	6.80	7.6	0.74	50	2.01	Odor: NO
9:25	2.0	6.80	7.6	0.74	35	1.61	Sheen: NO
9:35	2.5	6.79	7.6	0.74	33	1.60	
9:40	2.75	6.77	7.6	0.74	31	1.59	

Total 845.0 Gallons Purged Purge Start Time: 8:50 Purge End Time: 9:40

OBSERVATIONS:

MW-04 at 9:45 MS/MSD collected

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-06

Project Name: Multiple sites in Peekskill
Project No.: 2220750
Location: Lot 13
Development By: BF
Date: 4/6/2022
Weather: Overcast 50 degress

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch
Static Water Level: 5.12 -Feet
Depth of Well: 7.85 -Feet
Single Well Volume: 0.12 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☒ Pump - Type Peristaltic
Sampling Device:
Pump Rate: 0.06 gpm

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O2 (mg/L)	Comments
13:05	0.25	6.56	10.6	0.87	58	7.57	Color = Clear
13:10	0.50	6.56	10.6	0.87	41	7.67	LNAPL or DNAPL observed = No
13:15	1.00	6.57	10.6	0.87	30	7.63	Odor: NO
13:25	1.50	6.58	10.6	0.87	24	7.64	Sheen: NO
13:35	2.25	6.58	10.6	0.87	25	7.64	
13:40	2.50	6.58	10.6	0.87	24	7.64	

Total 2.50 Gallons Purged Purge Start Time: 13:00 Purge End Time: 13:40

OBSERVATIONS:

MW-06 at 13:40

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-07

Project Name: Multiple sites in Peekskill
Project No.: 2220750
Location: Lot 18
Development By: BF
Date: 4/6/2022
Weather: Rain 50 degrees

PURGE VOLUME CALCULATION

Well Diameter: 1.0 -Inch
Static Water Level: 2.92 -Feet
Depth of Well: 5.82 -Feet
Single Well Volume: 0.12 -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☒ Pump - Type Peristaltic
Sampling Device:
Pump Rate: 0.05 gpm

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O2 (mg/L)	Comments
15:15	0.25	6.89	10.0	0.457	102	1.23	Color = Clear
15:25	0.75	6.66	10.0	0.459	85	1.71	LNAPL or DNAPL observed = No
15:35	1.25	6.68	10.0	0.451	45	2.18	Odor: NO
15:45	1.75	6.68	10.0	0.444	22	2.43	Sheen: NO
15:55	2.25	6.68	10.0	0.445	23	2.44	
16:05	2.75	6.68	10.0	0.445	21	2.45	

Total 2.75 Gallons Purged Purge Start Time: 15:10 Purge End Time: 16:05

OBSERVATIONS:

MW-07 at 16:05
Equipment field blank collected from 54DT geoprobe macrocore EB-01 at 15:45

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

SOIL VAPOR INTRUSION AND INDOOR AIR QUALITY SAMPLING FIELD FORM

Site Name: Multple Sites Rockskill
Project/Task Number: 2220750
Date: 4/5
Technician: B. Fields & O. Hemmingsen.

Sub-slab Samples

Sample ID	Can ID	Regulator ID	Pre-Sample Helium Conc. Under Dome	Pre-Sample Helium Conc. In Implant	Starting Pressure	PID (ppm)	Starting Time	Post-Sample Helium Conc Under Dome	Post-Sample Helium Conc In Implant	Ending Pressure	Ending Time	Purge Volume	Sample Volume	
1124 Main SVP-01	11292	3248	40.1	Ø	-30	0.0	07:40	44.6	Ø	-5	0950	1L	6L	
114 Broad SVP-02	357	5704	39.7	Ø	-29	0.0	06:50	36.7	Ø	-4	0900	1L	6L	
N. James SG-01	17160	10606	44.3	Ø	-28.5	0.0	0755	45.4	Ø	-3	1000	1L	6L	Street bldg
Lot 5 SG-02	228	10619	41.1	Ø	-28.5	0.0	07:15	42.1	Ø	-5	0915	1L	6L	
Lot #17 SG-03	19959	6997	45.3	Ø	-30	0.0	1140	43.3	Ø	-5	1345	1L	6L	
Lot #7 SVP-03	24559	7029	36.7	Ø	-30	0.0	1220	39.8	Ø	-2	1445	1L	6L	
Lot #8 SVP-04	7646	5519	42.2	Ø	-30	0.0	1230	42.6	Ø	-2	1455	1L	6L	

Indoor Ambient and Outdoor Background Air Samples

Sample ID	Can ID	Regulator ID	Starting Pressure	Starting Time	Ending Pressure	Ending Time	Sample Volume	
SVP-02 IA-01	23877	7047	-30	0650	-2.5	0950	6L	
SVP-01 IA-02	12662	10604	-28	0745	-3	0950	6L	> IA-02/Field Dup
Field Dup	19732	10599	-29	0740	-5	0950	6L	- Lot 6, rear. Lot #7
OA-01	19835	7026	-29	0745	-1	1005	6L	
SVP-03 IA-03	470	5673	-29.5	1220	-2	1445	6L	
SVP-04 IA-04	11291	3510	-30	1230	-2.5	1455	6L	

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APPENDIX C

Laboratory Reports

Cooler: Yes [x] No [ ]
Coolant: IPK [ ] ICE [x] No [ ]
Temp 2.1 °C Pg 1 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[x] Phone: 917-280-6364
[ ] Fax:
[x] Email: rKampf@labellapc.com

Customer: LaBella Associates
Address: 45 Main Street, Suite 1018
Brooklyn, NY 11201

Project: Various properties in Peekskill, NY
Report to: Richard Kampf
Invoice to: appk@labellapc.com
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 4/6/22

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYSDEC Full List Part 375	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [x] methanol [x] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
031162	SB-22 (0-2ft)	S	4/6/22	0940	X			3	1								
031163	SB-22 (2-4ft)	S		0950	X												
031164	SB-23 (0-2ft)	S		1015	X												
031165	SB-23 (2-4ft)	S		1025	X												
031166	SB-24 (0-2ft)	S		1150	X												
031167	SB-24 (5-7ft)	S		1200	X												
031168	SB-25 (0-2ft)	S		1225	X												
031169	SB-25 (5-7ft)	S		1235	X												
03170	SB-26 (0-2ft)	S		1425	X												
03171	SB-26 (2-4ft)	S		1435	X												
03172	SB-27 (0-2ft)	S		1450	X												

Relinquished by:	Accepted by:	Date:	Time:
Brianson Reed/LaBella	[signature]	4/7/22	11:30
	[signature]	4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
[x] Phoenix Std Report [ ] EQuIS
[x] Excel [ ] NJ Hazsite EDD
[x] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

Data Package:
[ ] NJ Reduced Deliv. * [ ] Other
[x] NY Enhanced (ASP B) *

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[x] 375SCO Unrestricted Soil
[x] 375SCO Residential Soil
[x] 375SCO Residential Restricted Soil
[x] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 2 of 3

NY/NJ/PA CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:

Project: Peekskill
Report to:
Invoice to:
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 4/6/22

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	MUSIC Full List (at 375)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03173	SB-27 (2-4ft)	S	4/6/22	1455	X			3	1								
03174	SB-28 (0-2ft)	S		13:20	X												
03175	SB-28 (2-4ft)	S		1335	X												
03176	SB-29 (0-2ft)	S		1400	X												
03177	SB-29 (2-4ft)	S		1410	X												
03178	SB-30 (0-2ft)	S		1505	X												
03179	SB-30 (2-4ft)	S		1515	X												
03180	SB-31 (0-2ft)	S		1520	X												
03181	SB-31 (4-6ft)	S		1530	X												
03182	SB-32 (0-2ft)	S		1540	X												
03183	SB-32 (5-7ft)	S		1545	X												

Relinquished by:	Accepted by:	Date:	Time:
Brianna Fields / LaBella	[signature]	4/7/22	11:30
	[signature]	4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[X] NY Enhanced (ASP B) *

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 3 of 3

NY/NJ/PA CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:

Project: Peekskill
Report to:
Invoice to:
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 4/6/22

Client Sample - Information - Identification

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DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYSDEC Full List Part 375	1,4 Dioxane	PFCs	Part 375 VOCs	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [X] methanol [X] H2O	GL Soil container (X) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [X] H2SO4	PL As is [ ] 250ml [X] 500ml [ ] 1000ml	PL H2SO4 250ml	PL NaOH 250ml [X] 500ml [ ] 1000ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03183	SB-32(5-7ft)_MS	S	4/6/22	1545	X						3	1								
	SB-32(5-7ft)_MSD	S		1545	X						2	1								
03184	MW-06	GW		1340	X	X	X						1			3	5	1	2	1	1	
03185	MW-07	GW		1605	X	X	X						1			3	5	1	2	1	1	
03186	EB-01	L		1545	X	X	X						1			3	5	1	2	1	1	
03187	FD-01(0-2ft)	S		XXXX	X						3	3	1									
03188	MW-05	GW	4/7/22	0750	X	X	X				1					3	5	1	2	1	1	
03189	FD-02	GW	4/7/22	0820	X	X	X				1					3	5	1	2	1	1	
03190	Trip Blank	L	4/7/22	0830				X								2						
03191	MW-04	GW	4/7/22	0945	X	X	X				3					9	15	3	6	3	3	(1)

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields/LaBella	[signature]	4/7/22	1130
	[signature]	4/7/22	1405

Comments, Special Requirements or Regulations:
SB-32 : MS/MSD @ (5-7 ft)

(1) Please run MS/MSD on sample ID : MW-04

* 21 list for PFAs Per Branson Fields (LB)

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

Data Package:
[ ] NJ Reduced Deliv. * [ ] Other
[X] NY Enhanced (ASP B) *

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
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[X] 375SCO Residential Restricted Soil
[X] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, April 28, 2022

Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
SDG ID: GCL03162
Sample ID#s: CL03162 - CL03191

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

April 28, 2022

SDG I.D.: GCL03162

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

1,4-dioxane:
1,4-dioxane does not meet GW criteria, this compound is analyzed by GC/MS method 522 or 8270SIM when this criteria needs to be met.

8081 Pesticides:
Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

CL03188 and CL03189 Herbicide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.
Sample CL03184 was received past hold time for Chromium, Hexavalent (SM3500CRB).
Sample CL03185 was analyzed past hold time for Chromium, Hexavalent (SM3500CRB).
Sample CL03186 was analyzed past hold time for Chromium, Hexavalent (SM3500CRB).

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

April 28, 2022

SDG I.D.: GCL03162

Project ID: VARIOUS PROPERTIES PEEKSKILL NY

Client Id	Lab Id	Matrix
SB-22 (0-2FT)	CL03162	SOIL
SB-22 (2-4FT)	CL03163	SOIL
SB-23 (0-2FT)	CL03164	SOIL
SB-23 (2-4FT)	CL03165	SOIL
SB-24 (0-2FT)	CL03166	SOIL
SB-24 (5-7FT)	CL03167	SOIL
SB-25 (0-2FT)	CL03168	SOIL
SB-25 (5-7FT)	CL03169	SOIL
SB-26 (0-2FT)	CL03170	SOIL
SB-26 (2-4FT)	CL03171	SOIL
SB-27 (0-2FT)	CL03172	SOIL
SB-27 (2-4FT)	CL03173	SOIL
SB-28 (0-2FT)	CL03174	SOIL
SB-28 (2-4FT)	CL03175	SOIL
SB-29 (0-2FT)	CL03176	SOIL
SB-29 (2-4FT)	CL03177	SOIL
SB-30 (0-2FT)	CL03178	SOIL
SB-30 (2-4FT)	CL03179	SOIL
SB-31 (0-2FT)	CL03180	SOIL
SB-31 (4-6FT)	CL03181	SOIL
SB-32 (0-2FT)	CL03182	SOIL
SB-32 (5-7FT)	CL03183	SOIL
MW-06	CL03184	GROUND WATER
MW-07	CL03185	GROUND WATER
EB-01	CL03186	GROUND WATER
FD-01 (0-2FT)	CL03187	SOIL
MW-05	CL03188	GROUND WATER
FD-02	CL03189	GROUND WATER
TRIP BLANK	CL03190	GROUND WATER
MW-04	CL03191	GROUND WATER

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	9:40
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03162

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	4.08	0.73	0.73	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	133	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.55	0.29	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.31	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	19.3	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	28.8	0.7	0.37	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	1.46	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	320	3.7	3.7	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	14.6	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	118	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.2	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	19.3	0.37	0.37	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	74.5	0.7	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	82			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.49	0.49	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	7.20	1.00	1.00	pH Units	1	04/07/22 23:46	ARC	SW846 9045D	1
Redox Potential	-39.7			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.55	0.277	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (0-2FT)

Phoenix I.D.: CL03162

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/09/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/09/22	JRB	SW8151A
2,4-D	ND	0.3	0.3	mg/Kg	10	04/09/22	JRB	SW8151A
2,4-DB	ND	3	3	mg/Kg	10	04/09/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/09/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/09/22	JRB	SW8151A
Dichloroprop	ND	0.3	0.3	mg/Kg	10	04/09/22	JRB	SW8151A
Dinoseb	ND	0.3	0.3	mg/Kg	10	04/09/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	80			%	10	04/09/22	JRB	30 - 150 %
% DCAA (Confirmation)	108			%	10	04/09/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	75			%	2	04/08/22	SC	30 - 150 %
% TCMX	62			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	60			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	64			%	2	04/11/22	AW	30 - 150 %	
% TCMX	63			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	77			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	0.03	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.03	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
Acetone	0.095 S	0.03	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	0.012	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	0.0059	0.0024	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (0-2FT)

Phoenix I.D.: CL03162

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	0.03	0.03	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND	0.012	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	0.003	mg/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Total Xylenes	ND	0.0059	0.0059	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	0.003	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0059	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND	0.0059	0.00059	mg/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.089	0.047	mg/Kg	1	04/08/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.095	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (0-2FT)

Phoenix I.D.: CL03162

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.28	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.4	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.63	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.28	0.079	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.79	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03162
Client ID: SB-22 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.4	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	65			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	64			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	72			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	76			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	9:50
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03163

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	3.01	0.78	0.78	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	84.7	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.40	0.31	0.16	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	0.96	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	14.0	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	19.3	0.8	0.39	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.91	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	262	3.9	3.9	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	9.46	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	46.0	0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	14.0	0.39	0.39	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	38.3	0.8	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	82			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.45	0.45	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	7.25	1.00	1.00	pH Units	1	04/07/22 23:46	ARC	SW846 9045D	1
Redox Potential	-122			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.61	0.305	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

Phoenix I.D.: CL03163

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3	3	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	74			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	105			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	63			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	66			%	2	04/08/22	SC	30 - 150 %
% TCMX	60			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0079	0.0079	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	62			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	63			%	2	04/11/22	AW	30 - 150 %	
% TCMX	60			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	59			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	0.026	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.026	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C	
Acetone	0.069	S 0.026	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	0.01	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	0.0051	0.002	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

Phoenix I.D.: CL03163

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	0.02	J 0.026	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	0.01	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	0.0026	mg/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Total Xylenes	ND	0.0051	0.0051	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	0.0026	mg/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0051	0.001	mg/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	0.0051	0.00051	mg/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	102			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.077	0.041	mg/Kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.095	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D

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Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

Phoenix I.D.: CL03163

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.28	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.4	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.63	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.28	0.079	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.79	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.4	0.097	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	58			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	55			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	65			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	71			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-22 (2-4FT)

Phoenix I.D.: CL03163

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	10:15
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03164

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	2.15	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	6.46	0.69	0.69	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	213	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.45	0.28	0.14	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.49	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	18.7	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	62.3	0.7	0.35	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	2.05	0.14	0.08	mg/Kg	10	04/11/22	MGH	SW7471B	
Manganese	322	3.5	3.5	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	13.1	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	436	0.35	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.4	1.2	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	18.7	0.35	0.35	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	257	0.7	0.35	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	85			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	7.94	1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	-4.9			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.59	0.294	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (0-2FT)

Phoenix I.D.: CL03164

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.14	0.14	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.14	0.14	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.14	0.14	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.14	0.14	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	73			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	59			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1221	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1232	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1242	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1248	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1254	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1260	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1262	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1268	ND	0.078	0.078	mg/Kg	2	04/11/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	82			%	2	04/11/22	SC	30 - 150 %
% DCBP (Confirmation)	79			%	2	04/11/22	SC	30 - 150 %
% TCMX	69			%	2	04/11/22	SC	30 - 150 %
% TCMX (Confirmation)	69			%	2	04/11/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	0.012	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	0.065	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	0.47	0.19	0.19	mg/Kg	10	04/11/22	AW	SW8081B
d-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	0.056	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	68			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	56			%	2	04/11/22	AW	30 - 150 %	
% TCMX	66			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	55			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	0.031	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.031	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
Acetone	0.055	S 0.031	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	0.012	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	0.0062	0.0025	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (0-2FT)

Phoenix I.D.: CL03164

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	0.016	J 0.031	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND	0.012	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	0.0031	mg/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Total Xylenes	ND	0.0062	0.0062	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	0.0031	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0062	0.0012	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND	0.0062	0.00062	mg/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	96			%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.093	0.049	mg/Kg	1	04/08/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.092	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.27	0.099	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (0-2FT)

Phoenix I.D.: CL03164

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.27	0.095	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.38	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.61	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.27	0.076	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	0.18	J	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	0.19	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	1.3		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	1.6		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	1.6		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	1.1		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	1.4		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.76	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.27	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.38	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.38	0.38	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	1.6		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	0.28		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.27	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	2.7		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03164
Client ID: SB-23 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	1.2	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.38	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.73	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	2.5	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.38	0.094	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	63			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	66			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	69			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	81			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	10:25
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03165

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	4.67	0.90	0.90	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	112	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.49	0.36	0.18	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.05	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	23.1	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	20.5	0.9	0.45	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.28	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	245	4.5	4.5	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	14.0	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	54.4	0.45	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.8	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	23.1	0.45	0.45	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	55.3	0.9	0.45	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	75			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.45	0.45	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	6.98	1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	-57.3			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.67	0.333	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (2-4FT)

Phoenix I.D.: CL03165

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.33	0.33	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3.3	3.3	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.33	0.33	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.33	0.33	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	72			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	100			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1221	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1232	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1242	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1248	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1254	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1260	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1262	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
PCB-1268	ND	0.088	0.088	mg/Kg	2	04/11/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	04/11/22	SC	30 - 150 %
% DCBP (Confirmation)	71			%	2	04/11/22	SC	30 - 150 %
% TCMX	63			%	2	04/11/22	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	04/11/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	0.024	0.0044	0.0044	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0044	0.0044	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0044	0.0044	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	0.15	0.044	0.044	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0044	0.0044	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0018	0.0018	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	0.03	0.0044	0.0044	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0088	0.0088	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.044	0.044	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.18	0.18	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	59			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	57			%	2	04/11/22	AW	30 - 150 %	
% TCMX	63			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	62			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	0.028	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
Acetone	0.044	S 0.028	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	0.0057	0.0023	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-23 (2-4FT)

Phoenix I.D.: CL03165

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	0.0094	J 0.028	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND	0.011	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	0.0028	mg/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Total Xylenes	ND	0.0057	0.0057	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	0.0028	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0057	0.0011	mg/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND	0.0057	0.00057	mg/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.085	0.045	mg/Kg	1	04/08/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.31	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.31	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.31	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.31	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03165
Client ID: SB-23 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.31	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.31	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.44	0.22	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.31	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.31	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.31	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.44	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.31	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.44	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.31	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.31	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.7	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.31	0.088	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.31	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.31	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.88	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.31	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.31	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.44	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.44	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.44	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.31	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03165
Client ID: SB-23 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.31	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.31	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.44	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.44	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.44	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.44	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.31	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.31	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.31	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.44	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	73			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	60			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	60			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	68			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	75			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	11:50
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03166

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.69	0.85	0.85	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	118	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.39	0.34	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.25	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	18.7	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	34.8	0.8	0.42	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.32	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	309	4.2	4.2	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	16.7	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	226	0.42	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.7	1.4	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	18.7	0.42	0.42	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	201	0.8	0.42	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	81			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.48	0.48	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	7.62	1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	31.5			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.62	0.309	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Phoenix I.D.: CL03166

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3	3	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.3	0.3	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	71			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	93			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	70			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	72			%	2	04/08/22	SC	30 - 150 %
% TCMX	70			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	70			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Phoenix I.D.: CL03166

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	67			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	70			%	2	04/11/22	AW	30 - 150 %	
% TCMX	61			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	62			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	0.035	0.007	mg/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.035	0.007	mg/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	0.035	0.007	mg/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	0.014	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	0.007	0.0028	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Phoenix I.D.: CL03166

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.035	0.007	mg/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.014	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	0.014	0.007	mg/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.014	0.0035	mg/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Total Xylenes	ND	0.007	0.007	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.014	0.0035	mg/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.007	0.0014	mg/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	0.007	0.0007	mg/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.1	0.056	mg/Kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.096	mg/Kg	1	04/08/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D

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Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Phoenix I.D.: CL03166

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dichlorophenol	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dimethylphenol	ND		0.28	0.099	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dinitrophenol	ND		0.4	0.2	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dinitrotoluene	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2,6-Dinitrotoluene	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
2-Chloronaphthalene	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
2-Chlorophenol	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
2-Methylnaphthalene	0.25	J	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2-Nitroaniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2-Nitrophenol	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND		0.28	0.19	mg/Kg	1	04/08/22	WB	SW8270D
3-Nitroaniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND		0.4	0.12	mg/Kg	1	04/08/22	WB	SW8270D
4-Chloro-3-methylphenol	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
4-Chloroaniline	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
4-Nitroaniline	ND		0.64	0.13	mg/Kg	1	04/08/22	WB	SW8270D
4-Nitrophenol	ND		0.28	0.08	mg/Kg	1	04/08/22	WB	SW8270D
Acenaphthene	0.47		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Acenaphthylene	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Acetophenone	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Aniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Anthracene	1.3		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benz(a)anthracene	3.4		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzidine	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(a)pyrene	2.9		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(b)fluoranthene	2.9		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(ghi)perylene	1.6		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(k)fluoranthene	2.3		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzoic acid	ND		0.8	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Benzyl butyl phthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND		0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Carbazole	0.77		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Chrysene	3.7		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Dibenz(a,h)anthracene	0.36		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Dibenzofuran	0.38		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Diethyl phthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Dimethylphthalate	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Di-n-butylphthalate	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Di-n-octylphthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D
Fluoranthene	4		1.4	0.65	mg/Kg	5	04/11/22	WB	SW8270D
Fluorene	0.53		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Hexachlorobenzene	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03166
Client ID: SB-24 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D	
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D	
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	2.1	0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D	
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D	
Naphthalene	0.3	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D	
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D	
N-Nitrosodimethylamine	ND	0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D	
N-Nitrosodiphenylamine	ND	0.4	0.15	mg/Kg	1	04/08/22	WB	SW8270D	
Pentachloronitrobenzene	ND	0.4	0.12	mg/Kg	1	04/08/22	WB	SW8270D	
Pentachlorophenol	ND	0.4	0.15	mg/Kg	1	04/08/22	WB	SW8270D	
Phenanthrene	7.2	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D	
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D	
Pyrene	6.7	0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D	
Pyridine	ND	0.4	0.098	mg/Kg	1	04/08/22	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	84			%	1	04/08/22	WB	30 - 130 %	
% 2-Fluorobiphenyl	64			%	1	04/08/22	WB	30 - 130 %	
% 2-Fluorophenol	51			%	1	04/08/22	WB	30 - 130 %	
% Nitrobenzene-d5	55			%	1	04/08/22	WB	30 - 130 %	
% Phenol-d5	57			%	1	04/08/22	WB	30 - 130 %	
% Terphenyl-d14	67			%	1	04/08/22	WB	30 - 130 %	
% 2-Fluorobiphenyl (5x)	31			%	5	04/11/22	WB	30 - 130 %	
% Nitrobenzene-d5 (5x)	29			%	5	04/11/22	WB	30 - 130 %	3
% Terphenyl-d14 (5x)	33			%	5	04/11/22	WB	30 - 130 %	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (0-2FT)

Phoenix I.D.: CL03166

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	12:00
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03167

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (5-7FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	5.08	0.76	0.76	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	74.9	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.35	0.31	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	0.90	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	24.6	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	24.8	0.8	0.38	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.05	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	195	3.8	3.8	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	15.2	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	14.5	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	24.6	0.38	0.38	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	52.9	0.8	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	84			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.20	1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	262			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.50	0.248	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (5-7FT)

Phoenix I.D.: CL03167

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	75			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	111			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	61			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	64			%	2	04/08/22	SC	30 - 150 %
% TCMX	57			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	56			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	56			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	53			%	2	04/11/22	AW	30 - 150 %	
% TCMX	61			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	64			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.024	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.024	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	0.0087 JS	0.024	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.0096	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0048	0.0019	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	

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Chloromethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.024	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0096	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.0096	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0096	0.0024	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0048	0.0048	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0096	0.0024	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0048	0.00096	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0048	0.00048	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	96			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.072	0.039	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.093	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	

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2,4,6-Trichlorophenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.27	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.39	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.62	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.27	0.077	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.77	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.39	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

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Hexachlorobutadiene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.39	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.39	0.095	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	57			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	59			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	63			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	77			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-24 (5-7FT)

Phoenix I.D.: CL03167

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	12:25
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03168

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	15.2	0.76	0.76	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	136	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.49	0.31	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.30	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	21.0	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	34.5	0.8	0.38	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	288	3.8	3.8	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	14.6	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	91.9	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	21.0	0.38	0.38	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	94.6	0.8	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	85			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.48	1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	256			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.53	0.267	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (0-2FT)

Phoenix I.D.: CL03168

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	80			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	118			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	63			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	67			%	2	04/08/22	SC	30 - 150 %
% TCMX	63			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	61			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	68			%	2	04/11/22	AW	30 - 150 %	
% TCMX	57			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	59			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0057	0.0023	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (0-2FT)

Phoenix I.D.: CL03168

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	0.0063 JS	0.011	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0057	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.086	0.046	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.093	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (0-2FT)

Phoenix I.D.: CL03168

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.27	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.39	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.62	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.27	0.077	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.77	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.39	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03168
Client ID: SB-25 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.39	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.39	0.095	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	104			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	61			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	63			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	69			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	82			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (0-2FT)

Phoenix I.D.: CL03168

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	12:35
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03169

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (5-7FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.73		0.86	0.86	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	82.4		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.21	J	0.34	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	0.90		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	10.2		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	24.0		0.9	0.43	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	ND		0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	366		4.3	4.3	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	12.1		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	7.05		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND		1.7	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	10.2		0.43	0.43	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	32.7		0.9	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	79				%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.45	0.45	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.33		1.00	1.00	pH Units	1	04/07/22 23:47	ARC	SW846 9045D	1
Redox Potential	222				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND		0.63	0.316	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed						04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/07/22	O/E	SW3545A	
Field Extraction	Completed						04/06/22		SW5035A	1
Mercury Digestion	Completed						04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (5-7FT)

Phoenix I.D.: CL03169

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.24	0.24	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.24	0.24	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.49	0.49	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	4.9	4.9	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.24	0.24	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.24	0.24	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.49	0.49	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.49	0.49	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	80			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	115			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	74			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	71			%	2	04/08/22	SC	30 - 150 %
% TCMX	57			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	67			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	74			%	2	04/11/22	AW	30 - 150 %	
% TCMX	55			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	58			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.028	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.028	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0055	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (5-7FT)

Phoenix I.D.: CL03169

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.011	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	0.0028	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0055	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	0.0028	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.083	0.044	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.43	0.16	mg/Kg	1	04/08/22	KCA	SW8270D

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-25 (5-7FT)

Phoenix I.D.: CL03169

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.43	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.61	0.31	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.43	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.33	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.43	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.43	0.29	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.61	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.43	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.98	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.43	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.43	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	1.2	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.43	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.61	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.61	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.33	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.61	0.24	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.43	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.33	0.18	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03169
Client ID: SB-25 (5-7FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.43	0.22	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.43	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.43	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.61	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.43	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.61	0.23	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.61	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.61	0.23	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.33	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.61	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	64			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	41			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	44			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	50			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	73			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03169
Client ID: SB-25 (5-7FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:25
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03170

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.21		0.87	0.87	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	182		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.46		0.35	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.48		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	20.5		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	40.5		0.9	0.43	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.25		0.04	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	346		4.3	4.3	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	16.0		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	233		0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND		1.7	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	20.5		0.43	0.43	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	246		0.9	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	71				%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.50	0.50	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.41		1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	246				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	0.57	J	0.64	0.320	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed						04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/07/22	O/E	SW3545A	
Field Extraction	Completed						04/06/22		SW5035A	1
Mercury Digestion	Completed						04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (0-2FT)

Phoenix I.D.: CL03170

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.17	0.17	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.17	0.17	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.35	0.35	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3.5	3.5	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.17	0.17	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.17	0.17	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.35	0.35	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.35	0.35	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	79			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	97			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.091	0.091	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	74			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	65			%	2	04/08/22	SC	30 - 150 %
% TCMX	64			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0027	0.0027	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	0.0027	0.0027	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	0.0033	0.0033	mg/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	0.0045	0.0045	mg/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	0.0045	0.0045	mg/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	0.0045	0.0045	mg/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	0.045	0.045	mg/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	0.0045	0.0045	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	0.0018	0.0018	mg/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	0.0045	0.0045	mg/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0091	0.0091	mg/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	0.045	0.045	mg/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	0.18	0.18	mg/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	47			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	58			%	2	04/08/22	AW	30 - 150 %	
% TCMX	54			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	60			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.035	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.035	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.035	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.014	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0069	0.0028	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (0-2FT)

Phoenix I.D.: CL03170

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.035	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.014	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.014	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.014	0.0035	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0069	0.0069	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.014	0.0035	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0069	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0069	0.00069	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	86			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.1	0.055	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.33	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.33	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03170
Client ID: SB-26 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.33	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.47	0.23	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.33	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.33	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.33	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.47	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.33	0.22	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.47	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.33	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.75	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.33	0.093	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	0.89	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	0.53	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	4.4	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.33	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	4.5	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	4.7	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	1.4	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	3.7	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.93	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.33	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.47	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.47	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	4.2	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	0.61	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.47	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.33	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	5.5	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03170
Client ID: SB-26 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.33	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.33	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	2.2	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.47	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.47	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.47	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.47	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.75	0.33	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.33	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	6.2	0.33	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.47	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	78			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	53			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	55			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	57			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	65			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03170
Client ID: SB-26 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

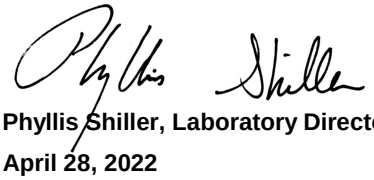
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:35
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03171

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.03	0.83	0.83	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	114	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.41	0.33	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.34	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	27.8	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	42.8	0.8	0.41	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	606	4.1	4.1	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	15.5	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	9.88	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.7	1.4	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	27.8	0.41	0.41	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	77.0	0.8	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	84			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.46	0.46	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.21	1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	256			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.60	0.298	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (2-4FT)

Phoenix I.D.: CL03171

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	79			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	126			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.079	0.079	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	70			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
% TCMX	63			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0024	0.0024	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	0.0024	0.0024	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0079	0.0079	mg/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	38			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	54			%	2	04/08/22	AW	30 - 150 %	
% TCMX	53			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	60			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.022	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.022	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.022	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.0088	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0044	0.0018	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-26 (2-4FT)

Phoenix I.D.: CL03171

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.022	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0088	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	0.0046 JS	0.0088	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0088	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0044	0.0044	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0088	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0044	0.00088	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0044	0.00044	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	97			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	96			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.066	0.035	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.095	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03171
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.28	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.4	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.63	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.28	0.079	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.79	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03171
Client ID: SB-26 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.4	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	51			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	34			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	35			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	39			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	63			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03171
Client ID: SB-26 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:50
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03172

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	11.4		0.89	0.89	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	151		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.48		0.36	0.18	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.51		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	22.4		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	47.0		0.9	0.44	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.48		0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	304		4.4	4.4	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	16.3		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	210		0.44	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND		1.8	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	22.4		0.44	0.44	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	212		0.9	0.44	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	77				%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.44	0.44	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.25		1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	293				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	0.50	J	0.65	0.325	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed						04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/07/22	O/E	SW3545A	
Field Extraction	Completed						04/06/22		SW5035A	1
Mercury Digestion	Completed						04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (0-2FT)

Phoenix I.D.: CL03172

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3.2	3.2	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	81			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	118			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	88			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	83			%	2	04/08/22	SC	30 - 150 %
% TCMX	75			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0026	0.0026	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	0.0026	0.0026	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	0.0026	0.0026	mg/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	0.0043	0.0043	mg/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	0.0043	0.0043	mg/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	0.0043	0.0043	mg/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	0.043	0.043	mg/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	0.0043	0.0043	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	0.0017	0.0017	mg/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	0.0043	0.0043	mg/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0087	0.0087	mg/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	0.043	0.043	mg/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	0.17	0.17	mg/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	48			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	48			%	2	04/08/22	AW	30 - 150 %	
% TCMX	68			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	64			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.028	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.028	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0056	0.0023	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (0-2FT)

Phoenix I.D.: CL03172

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.011	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	0.0028	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0056	0.0056	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	0.0028	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0056	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0056	0.00056	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	89			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.085	0.045	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.3	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (0-2FT)

Phoenix I.D.: CL03172

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.43	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.3	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.43	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.68	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.3	0.085	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.2	J	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.18	J	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.18	J	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.15	J	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.85	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.43	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.43	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.21	J	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.43	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	0.41		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03172
Client ID: SB-27 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND		0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND		0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND		0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND		0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND		0.43	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND		0.43	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND		0.43	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND		0.43	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.25	J	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND		0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	0.34		0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND		0.43	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	70				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	54				%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	57				%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	61				%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	71				%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:55
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03173

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	54.0	0.75	0.75	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	181	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.86	0.30	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.80	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	31.7	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	23.9	0.8	0.38	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.17	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	1840	38	38	mg/Kg	100	04/15/22	EK	SW6010D	
Nickel	24.8	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	23.5	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	31.7	0.38	0.38	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	171	0.8	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	79			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.49	0.49	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.14	1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	298			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.63	0.316	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (2-4FT)

Phoenix I.D.: CL03173

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-D	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
2,4-DB	ND	3.2	3.2	mg/Kg	10	04/11/22	JRB	SW8151A
Dalapon	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dicamba	ND	0.16	0.16	mg/Kg	10	04/11/22	JRB	SW8151A
Dichloroprop	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
Dinoseb	ND	0.32	0.32	mg/Kg	10	04/11/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	78			%	10	04/11/22	JRB	30 - 150 %
% DCAA (Confirmation)	125			%	10	04/11/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.084	0.084	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	70			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	64			%	2	04/08/22	SC	30 - 150 %
% TCMX	58			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	0.0025	0.0025	mg/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	0.042	0.042	mg/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	0.0017	0.0017	mg/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0084	0.0084	mg/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	0.042	0.042	mg/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	0.17	0.17	mg/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	62			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	64			%	2	04/08/22	AW	30 - 150 %	
% TCMX	55			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	55			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.027	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.027	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.027	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0054	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (2-4FT)

Phoenix I.D.: CL03173

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.027	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	0.0055 JS	0.011	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0054	0.0054	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0054	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0054	0.00054	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.081	0.043	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.29	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03173
Client ID: SB-27 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.29	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.41	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.29	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.29	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.29	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.29	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.66	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.29	0.083	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.29	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.83	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.41	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (2-4FT)

Phoenix I.D.: CL03173

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.41	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	72			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	53			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	56			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	61			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	76			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-27 (2-4FT)

Phoenix I.D.: CL03173

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	13:20
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03174

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.38	0.86	0.86	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	152	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.45	0.34	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.52	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	23.8	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	34.7	0.9	0.43	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.09	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	343	4.3	4.3	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	14.8	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	194	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.7	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	23.8	0.43	0.43	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	163	0.9	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	80			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.62	1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	267			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	0.64	0.57	0.284	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (0-2FT)

Phoenix I.D.: CL03174

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	3.1	3.1	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	63			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	57			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	81			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	46			%	2	04/08/22	SC	30 - 150 %
% TCMX	73			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	75			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	0.0033	0.0033	mg/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	0.042	0.042	mg/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	0.0017	0.0017	mg/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	0.0042	0.0042	mg/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0083	0.0083	mg/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	0.042	0.042	mg/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	0.17	0.17	mg/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	55			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	64			%	2	04/08/22	AW	30 - 150 %	
% TCMX	61			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	64			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.029	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.029	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.029	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.012	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0058	0.0023	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (0-2FT)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.012	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	0.007 JS	0.012	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.012	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0058	0.0058	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.012	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0058	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0058	0.00058	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.086	0.046	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

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Client ID: SB-28 (0-2FT)

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.41	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.65	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.28	0.081	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND		0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.27	J	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.39		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.31		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	0.25	J	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.3		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.81	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.31		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	0.47		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND		0.28	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	0.26	J	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND		0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND		0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND		0.41	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.16	J	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	0.49		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND		0.41	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	104				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	82				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	81				%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	77				%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	84				%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	94				%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (0-2FT)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	13:35
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03175

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	6.72	0.76	0.76	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	56.5	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.55	0.31	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.10	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	20.5	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	24.8	0.8	0.38	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	121	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Nickel	13.4	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	10.7	0.38	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	19.9	0.38	0.38	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	46.0	0.8	0.38	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	83			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	0.60	0.47	0.47	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.76	1.00	1.00	pH Units	1	04/07/22 23:48	ARC	SW846 9045D	1
Redox Potential	250			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.55	0.274	mg/Kg	1	04/13/22	M/B/G	SW9012B	
Soil Extraction for Pesticide	Completed					04/12/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/12/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for PCB	Completed					04/11/22	O/L	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (2-4FT)

Phoenix I.D.: CL03175

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	82			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	78			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1221	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1232	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1242	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1248	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1254	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1260	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1262	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
PCB-1268	ND	0.079	0.079	mg/Kg	2	04/12/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	83			%	2	04/12/22	SC	30 - 150 %
% DCBP (Confirmation)	87			%	2	04/12/22	SC	30 - 150 %
% TCMX	76			%	2	04/12/22	SC	30 - 150 %
% TCMX (Confirmation)	76			%	2	04/12/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0024	0.0024	mg/Kg	2	04/13/22	AW	SW8081B
4,4' -DDE	ND	0.0024	0.0024	mg/Kg	2	04/13/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/13/22	AW	SW8081B
a-BHC	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/13/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/13/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/13/22	AW	SW8081B
b-BHC	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/13/22	AW	SW8081B
d-BHC	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/13/22	AW	SW8081B
Endosulfan I	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Endosulfan II	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Endosulfan sulfate	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Endrin	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Endrin aldehyde	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
Endrin ketone	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/13/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/13/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0079	0.0079	mg/Kg	2	04/13/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/13/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/13/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	59			%	2	04/13/22	AW	30 - 150 %	
% DCBP (Confirmation)	61			%	2	04/13/22	AW	30 - 150 %	
% TCMX	56			%	2	04/13/22	AW	30 - 150 %	
% TCMX (Confirmation)	60			%	2	04/13/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.025	0.005	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.025	0.005	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.025	0.005	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.01	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.005	0.002	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (2-4FT)

Phoenix I.D.: CL03175

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.025	0.005	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.01	0.005	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	0.0025	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.005	0.005	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	0.0025	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.005	0.001	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.005	0.0005	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.075	0.04	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03175
Client ID: SB-28 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.28	0.099	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.4	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.64	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.28	0.08	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.8	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.4	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-28 (2-4FT)

Phoenix I.D.: CL03175

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.4	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.4	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.4	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.4	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	75			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	67			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	62			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	70			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	92			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:00
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03176

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	16.5	0.79	0.79	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	187	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.76	0.32	0.16	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.68	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	27.8	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	41.9	0.8	0.40	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.31	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	570	4.0	4.0	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	20.5	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	209	0.40	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	27.8	0.40	0.40	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	259	0.8	0.40	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	84			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.46	0.46	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	7.85	1.00	1.00	pH Units	1	04/07/22 23:49	ARC	SW846 9045D	1
Redox Potential	279			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.60	0.298	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (0-2FT)

Phoenix I.D.: CL03176

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	88			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	78			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	81			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	77			%	2	04/08/22	SC	30 - 150 %
% TCMX	70			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	72			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (0-2FT)

Phoenix I.D.: CL03176

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	68			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	69			%	2	04/11/22	AW	30 - 150 %	
% TCMX	64			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	65			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.027	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.027	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.027	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0055	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (0-2FT)

Phoenix I.D.: CL03176

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.027	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.011	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0055	0.0055	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0055	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0055	0.00055	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	101			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	98			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.082	0.044	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.094	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (0-2FT)

Phoenix I.D.: CL03176

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.27	0.097	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.39	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.27	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.27	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.39	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.27	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.63	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.27	0.078	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.15	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.27	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.15	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.16	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	0.2	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.13	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.78	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.18	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.39	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	0.32		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03176
Client ID: SB-29 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND		0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	0.21	J	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND		0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND		0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND		0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND		0.39	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND		0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.14	J	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	0.29		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND		0.39	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	73				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	64				%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	65				%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	67				%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	88				%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	14:10
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03177

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	83.8	0.91	0.91	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	227	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	1.20	0.37	0.18	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	2.31	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	42.8	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	41.3	0.9	0.46	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	1800	4.6	4.6	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	37.9	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	163	0.46	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.8	1.6	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	42.8	0.46	0.46	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	103	0.9	0.46	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	77			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.47	0.47	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	7.72	1.00	1.00	pH Units	1	04/07/22 23:49	ARC	SW846 9045D	1
Redox Potential	291			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.65	0.325	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (2-4FT)

Phoenix I.D.: CL03177

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.16	0.16	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.16	0.16	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.32	0.32	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	3.2	3.2	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.16	0.16	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.16	0.16	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.32	0.32	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.32	0.32	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	84			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	68			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.087	0.087	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	78			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	73			%	2	04/08/22	SC	30 - 150 %
% TCMX	64			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0026	0.0026	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0043	0.0043	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0043	0.0043	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0043	0.0043	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.043	0.043	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0043	0.0043	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0017	0.0017	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0043	0.0043	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (2-4FT)

Phoenix I.D.: CL03177

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0087	0.0087	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.043	0.043	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.17	0.17	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	56			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	55			%	2	04/11/22	AW	30 - 150 %	
% TCMX	63			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	65			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.03	0.006	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.03	0.006	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.03	0.006	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.012	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.006	0.0024	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (2-4FT)

Phoenix I.D.: CL03177

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.03	0.006	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.012	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.012	0.006	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.012	0.003	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.006	0.006	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.012	0.003	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.006	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.006	0.0006	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.09	0.048	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.3	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D 1
2,4,5-Trichlorophenol	ND	0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03177
Client ID: SB-29 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.3	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.42	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.3	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.42	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.68	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.3	0.085	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.3	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.85	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.42	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.42	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.42	0.17	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.3	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-29 (2-4FT)

Phoenix I.D.: CL03177

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.3	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.42	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.42	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.42	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.42	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.3	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.3	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.3	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.42	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	61			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	62			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	66			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	87			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:05
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03178

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	9.30	0.87	0.87	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	150	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.45	0.35	0.17	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.51	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	21.3	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	40.2	0.9	0.43	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.68	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	255	4.3	4.3	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	15.0	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	157	0.43	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.7	1.5	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	21.3	0.43	0.43	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	162	0.9	0.43	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	80			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.45	0.45	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	7.75	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	275			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.63	0.312	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (0-2FT)

Phoenix I.D.: CL03178

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	3.1	3.1	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.31	0.31	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	76			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	71			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	79			%	2	04/08/22	SC	30 - 150 %
% TCMX	73			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	73			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (0-2FT)

Phoenix I.D.: CL03178

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	67			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	74			%	2	04/11/22	AW	30 - 150 %	
% TCMX	82			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	66			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.03	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.03	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.03	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.012	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0061	0.0024	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
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Phoenix I.D.: CL03178

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.03	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.012	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	0.003	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0061	0.0061	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	0.003	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0061	0.0012	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0061	0.00061	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.091	0.049	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.29	0.098	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (0-2FT)

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.29	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.41	0.21	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.29	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.66	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.29	0.082	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND		0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.34		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.29		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.3		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	0.2	J	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.29		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.82	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.42		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	0.65		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03178
Client ID: SB-30 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND		0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	0.23	J	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND		0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.35		0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND		0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	0.65		0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND		0.41	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	98				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	79				%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	71				%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	68				%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	77				%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	85				%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:15
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03179

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	8.86	0.73	0.73	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	217	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.51	0.29	0.15	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	2.77	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	24.6	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	55.7	0.7	0.37	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.83	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	254	3.7	3.7	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	19.6	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	536	0.37	0.37	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.5	1.2	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	24.6	0.37	0.37	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	462	7.3	3.7	mg/Kg	10	04/11/22	EK	SW6010D	
Percent Solid	81			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.48	0.48	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	7.12	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	103			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.51	0.257	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (2-4FT)

Phoenix I.D.: CL03179

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-D	ND	0.3	0.3	mg/Kg	10	04/12/22	JRB	SW8151A
2,4-DB	ND	3	3	mg/Kg	10	04/12/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/12/22	JRB	SW8151A
Dichloroprop	ND	0.3	0.3	mg/Kg	10	04/12/22	JRB	SW8151A
Dinoseb	ND	0.3	0.3	mg/Kg	10	04/12/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	85			%	10	04/12/22	JRB	30 - 150 %
% DCAA (Confirmation)	74			%	10	04/12/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.081	0.081	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	78			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	78			%	2	04/08/22	SC	30 - 150 %
% TCMX	74			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	0.047	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	0.0068	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0024	0.0024	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.004	0.004	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (2-4FT)

Phoenix I.D.: CL03179

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0081	0.0081	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.04	0.04	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	66			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	64			%	2	04/11/22	AW	30 - 150 %	
% TCMX	57			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	55			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.036	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.036	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	0.085	S 0.036	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.014	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0072	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (2-4FT)

Phoenix I.D.: CL03179

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	0.024	J 0.036	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.014	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.014	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.014	0.0036	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0072	0.0072	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.014	0.0036	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0072	0.0014	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0072	0.00072	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	90			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.1	0.058	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.096	mg/Kg	1	04/08/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-30 (2-4FT)

Phoenix I.D.: CL03179

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dichlorophenol	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dimethylphenol	ND		0.28	0.099	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dinitrophenol	ND		0.4	0.2	mg/Kg	1	04/08/22	WB	SW8270D
2,4-Dinitrotoluene	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2,6-Dinitrotoluene	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
2-Chloronaphthalene	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
2-Chlorophenol	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
2-Methylnaphthalene	0.25	J	0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2-Nitroaniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
2-Nitrophenol	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND		0.28	0.19	mg/Kg	1	04/08/22	WB	SW8270D
3-Nitroaniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND		0.4	0.12	mg/Kg	1	04/08/22	WB	SW8270D
4-Chloro-3-methylphenol	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
4-Chloroaniline	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
4-Nitroaniline	ND		0.64	0.13	mg/Kg	1	04/08/22	WB	SW8270D
4-Nitrophenol	ND		0.28	0.08	mg/Kg	1	04/08/22	WB	SW8270D
Acenaphthene	0.69		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Acenaphthylene	0.62		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Acetophenone	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Aniline	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Anthracene	2.3		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benz(a)anthracene	8		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzidine	ND		0.28	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(a)pyrene	7.3		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(b)fluoranthene	7.9		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(ghi)perylene	3.9		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzo(k)fluoranthene	6.1		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Benzoic acid	ND		0.8	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Benzyl butyl phthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND		0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Carbazole	1.8		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Chrysene	4.1		1.4	0.67	mg/Kg	5	04/11/22	WB	SW8270D
Dibenz(a,h)anthracene	1.1		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Dibenzofuran	0.5		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Diethyl phthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Dimethylphthalate	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Di-n-butylphthalate	ND		0.4	0.16	mg/Kg	1	04/08/22	WB	SW8270D
Di-n-octylphthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	WB	SW8270D
Fluoranthene	8.8		1.4	0.65	mg/Kg	5	04/11/22	WB	SW8270D
Fluorene	0.87		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Hexachlorobenzene	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03179
Client ID: SB-30 (2-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
Hexachlorocyclopentadiene	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Hexachloroethane	ND		0.28	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	4.9		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Isophorone	ND		0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Naphthalene	0.26	J	0.28	0.11	mg/Kg	1	04/08/22	WB	SW8270D
Nitrobenzene	ND		0.28	0.14	mg/Kg	1	04/08/22	WB	SW8270D
N-Nitrosodimethylamine	ND		0.4	0.11	mg/Kg	1	04/08/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		0.4	0.15	mg/Kg	1	04/08/22	WB	SW8270D
Pentachloronitrobenzene	ND		0.4	0.12	mg/Kg	1	04/08/22	WB	SW8270D
Pentachlorophenol	ND		0.4	0.15	mg/Kg	1	04/08/22	WB	SW8270D
Phenanthrene	7		1.4	0.57	mg/Kg	5	04/11/22	WB	SW8270D
Phenol	ND		0.28	0.13	mg/Kg	1	04/08/22	WB	SW8270D
Pyrene	7.3		1.4	0.69	mg/Kg	5	04/11/22	WB	SW8270D
Pyridine	ND		0.4	0.098	mg/Kg	1	04/08/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	104				%	1	04/08/22	WB	30 - 130 %
% 2-Fluorobiphenyl	79				%	1	04/08/22	WB	30 - 130 %
% 2-Fluorophenol	73				%	1	04/08/22	WB	30 - 130 %
% Nitrobenzene-d5	73				%	1	04/08/22	WB	30 - 130 %
% Phenol-d5	78				%	1	04/08/22	WB	30 - 130 %
% Terphenyl-d14	99				%	1	04/08/22	WB	30 - 130 %
% 2-Fluorobiphenyl (5x)	38				%	5	04/11/22	WB	30 - 130 %
% Nitrobenzene-d5 (5x)	33				%	5	04/11/22	WB	30 - 130 %
% Terphenyl-d14 (5x)	39				%	5	04/11/22	WB	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03179
Client ID: SB-30 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:20
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03180

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	6.28	0.82	0.82	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	128	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.47	0.33	0.16	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	0.83	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	16.6	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	35.5	0.8	0.41	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.72	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	199	4.1	4.1	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	13.6	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	362	0.41	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND	1.6	1.4	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	16.6	0.41	0.41	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	102	0.8	0.41	mg/Kg	1	04/12/22	EK	SW6010D	
Percent Solid	86			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	6.73	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	367			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.48	0.242	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (0-2FT)

Phoenix I.D.: CL03180

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-D	ND	0.29	0.29	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-DB	ND	2.9	2.9	mg/Kg	10	04/13/22	JRB	SW8151A
Dalapon	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
Dicamba	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
Dichloroprop	ND	0.29	0.29	mg/Kg	10	04/13/22	JRB	SW8151A
Dinoseb	ND	0.29	0.29	mg/Kg	10	04/13/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	93			%	10	04/13/22	JRB	30 - 150 %
% DCAA (Confirmation)	88			%	10	04/13/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.077	0.077	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	72			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	78			%	2	04/08/22	SC	30 - 150 %
% TCMX	70			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.038	0.038	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0015	0.0015	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (0-2FT)

Phoenix I.D.: CL03180

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0077	0.0077	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.038	0.038	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.15	0.15	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	66			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	75			%	2	04/11/22	AW	30 - 150 %	
% TCMX	58			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	63			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.013	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0067	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (0-2FT)

Phoenix I.D.: CL03180

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.013	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.013	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.013	0.0033	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0067	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.013	0.0033	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	93			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	96			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.1	0.053	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.091	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.27	0.099	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (0-2FT)

Phoenix I.D.: CL03180

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.27	0.094	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.38	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.61	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.27	0.076	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	0.18	J	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.67		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.76		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.7		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	0.51		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.63		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.76	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.27	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.38	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.72		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	0.14	J	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.27	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	1.4		0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03180
Client ID: SB-31 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	0.63	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.38	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.38	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.38	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.87	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	1.1	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.38	0.094	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	60			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	64			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	67			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	84			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03180
Client ID: SB-31 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:30
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03181

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (4-6FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	5.96	0.74	0.74	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	109	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.44	0.29	0.15	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	ND	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	23.1	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	18.0	0.7	0.37	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	0.04	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	207	3.7	3.7	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	14.1	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	53.8	0.37	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.5	1.2	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	23.1	0.37	0.37	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	67.1	0.7	0.37	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	80			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.48	0.48	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	6.76	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	196			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.63	0.312	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (4-6FT)

Phoenix I.D.: CL03181

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-D	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-DB	ND	3.1	3.1	mg/Kg	10	04/13/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dichloroprop	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
Dinoseb	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	86			%	10	04/13/22	JRB	30 - 150 %
% DCAA (Confirmation)	78			%	10	04/13/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.083	0.083	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
% TCMX	70			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	70			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0017	0.0017	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (4-6FT)

Phoenix I.D.: CL03181

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0083	0.0083	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.17	0.17	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	63			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	63			%	2	04/11/22	AW	30 - 150 %	
% TCMX	70			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	72			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.026	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.026	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.026	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0053	0.0021	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (4-6FT)

Phoenix I.D.: CL03181

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromochloromethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dibromomethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Ethylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Hexachlorobutadiene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Isopropylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
m&p-Xylene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.026	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Methylene chloride	ND	0.011	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C
Naphthalene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
n-Butylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
n-Propylbenzene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
o-Xylene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
p-Isopropyltoluene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
sec-Butylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Styrene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
tert-Butylbenzene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrachloroethene	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	0.0026	mg/Kg	1	04/09/22	JLI	SW8260C
Toluene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Total Xylenes	ND	0.0053	0.0053	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	0.0026	mg/Kg	1	04/09/22	JLI	SW8260C
Trichloroethene	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorofluoromethane	ND	0.0053	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
Vinyl chloride	ND	0.0053	0.00053	mg/Kg	1	04/09/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	1	04/09/22	JLI	70 - 130 %
% Bromofluorobenzene	102			%	1	04/09/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/09/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	04/09/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	0.079	0.042	mg/Kg	1	04/09/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.29	0.098	mg/Kg	1	04/08/22	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,2-Diphenylhydrazine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
1,3-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
1,4-Dichlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2,4,5-Trichlorophenol	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

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Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03181
Client ID: SB-31 (4-6FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.29	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.41	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.29	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.65	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.29	0.082	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.29	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.82	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-31 (4-6FT)

Phoenix I.D.: CL03181

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.29	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.29	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.41	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.29	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.29	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.29	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.41	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	60			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	60			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	68			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	90			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:40
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03182

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	10.9	0.80	0.80	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	155	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.48	0.32	0.16	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	0.81	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	22.4	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	48.4	0.8	0.40	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	0.34	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	322	4.0	4.0	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	16.4	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	249	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.6	1.4	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	22.4	0.40	0.40	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	222	0.8	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	80			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	04/12/22	EG	SW7196A	
pH at 25C - Soil	7.60	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	172			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.63	0.312	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (0-2FT)

Phoenix I.D.: CL03182

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-D	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-DB	ND	3.1	3.1	mg/Kg	10	04/13/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dichloroprop	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
Dinoseb	ND	0.31	0.31	mg/Kg	10	04/13/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	84			%	10	04/13/22	JRB	30 - 150 %
% DCAA (Confirmation)	84			%	10	04/13/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.082	0.082	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	72			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
% TCMX	70			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0025	0.0025	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0041	0.0041	mg/Kg	2	04/11/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0082	0.0082	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.041	0.041	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	57			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	54			%	2	04/11/22	AW	30 - 150 %	
% TCMX	62			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	62			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.013	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0067	0.0027	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (0-2FT)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.033	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.013	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.013	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.013	0.0033	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0067	0.0067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.013	0.0033	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0067	0.0013	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0067	0.00067	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	101			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.1	0.054	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.28	0.098	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND		0.41	0.2	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		0.28	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND		0.65	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND		0.28	0.081	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	0.15	J	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	0.15	J	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	0.8		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND		0.28	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	0.79		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	0.82		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	0.72		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	0.75		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND		0.81	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	0.87		0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	0.19	J	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND		0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND		0.28	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	1.5		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND		0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND		0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.28	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	0.82	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.28	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.41	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.41	0.16	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.41	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.41	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	0.63	0.28	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.28	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	1.5	0.28	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.41	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	74			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	70			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	77			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	100			%	1	04/08/22	KCA	30 - 130 %

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03182
Client ID: SB-32 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	15:45
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03183

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (5-7FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Arsenic	5.96		0.79	0.79	mg/Kg	1	04/12/22	EK	SW6010D	
Barium	96.4		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Beryllium	0.39		0.31	0.16	mg/Kg	1	04/12/22	EK	SW6010D	
Cadmium	1.00		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Chromium	20.4		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Copper	17.1		0.8	0.39	mg/kg	1	04/12/22	EK	SW6010D	
Mercury	0.03	J	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	230		3.9	3.9	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	13.5		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Lead	20.0		0.39	0.39	mg/Kg	1	04/12/22	EK	SW6010D	
Selenium	ND		1.6	1.3	mg/Kg	1	04/12/22	EK	SW6010D	
Trivalent Chromium	20.4		0.39	0.39	mg/kg	1	04/12/22		CALC 6010-7196	
Zinc	57.8		7.9	3.9	mg/Kg	10	04/11/22	EK	SW6010D	
Percent Solid	87				%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.43	0.43	mg/Kg	1	04/09/22	EG	SW7196A	
pH at 25C - Soil	8.40		1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	164				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND		0.57	0.287	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Client MS/MSD	Completed						04/11/22			
Soil Extraction for PCB	Completed						04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/07/22	O/E	SW3545A	
Field Extraction	Completed						04/06/22		SW5035A	1
Mercury Digestion	Completed						04/08/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/07/22	R/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (5-7FT)

Phoenix I.D.: CL03183

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-D	ND	0.28	0.28	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-DB	ND	2.8	2.8	mg/Kg	10	04/13/22	JRB	SW8151A
Dalapon	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
Dicamba	ND	0.14	0.14	mg/Kg	10	04/13/22	JRB	SW8151A
Dichloroprop	ND	0.28	0.28	mg/Kg	10	04/13/22	JRB	SW8151A
Dinoseb	ND	0.28	0.28	mg/Kg	10	04/13/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	82			%	10	04/13/22	JRB	30 - 150 %
% DCAA (Confirmation)	79			%	10	04/13/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.075	0.075	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	76			%	2	04/08/22	SC	30 - 150 %
% TCMX	67			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	66			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.038	0.038	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0015	0.0015	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0038	0.0038	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (5-7FT)

Phoenix I.D.: CL03183

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0075	0.0075	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.038	0.038	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.15	0.15	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	61			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	57			%	2	04/11/22	AW	30 - 150 %	
% TCMX	68			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	68			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	0.0072 JS	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.011	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0057	0.0023	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (5-7FT)

Phoenix I.D.: CL03183

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.029	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.011	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0057	0.0057	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	0.0029	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0057	0.0011	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0057	0.00057	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	102			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.086	0.046	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.26	0.09	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.26	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.26	0.097	mg/Kg	1	04/08/22	KCA	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: SB-32 (5-7FT)

Phoenix I.D.: CL03183

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.26	0.093	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.37	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.26	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.26	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.26	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.6	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.26	0.075	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.26	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.26	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.75	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.26	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.37	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.26	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03183
Client ID: SB-32 (5-7FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.26	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.26	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.37	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.37	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.37	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.37	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.26	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.26	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.26	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.37	0.092	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	66			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	65			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	70			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	76			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/06/22	13:40
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03184

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-06

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	2	J	4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	166		2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	ND		1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	4	J	5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND		0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	24		1	1	ug/L	1	04/08/22	EK	SW6010D	
Nickel	2		1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	ND		2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	ND		10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	ND		0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	22		4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND		0.01	0.01	mg/L	1	04/07/22 22:33	MW	SM3500CRB-11	
pH	7.19		1.00		pH Units	1	04/08/22 11:20	MW/EG	SM4500-H B-11	1
Total Cyanide	ND		0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Mercury Digestion	Completed						04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed						04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed						04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed						04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed						04/12/22	J/D/D	SW3520C	
Total Metals Digestion	Completed						04/07/22	AG		
PFAS (21)	Completed						04/13/22	***	LCMSMS-ID	C

PFAS (21)

1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND		1.90	1.15	ng/L	1	04/17/22	***	LCMSMS-ID	C

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03184
Client ID: MW-06

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND		1.90	1.26	ng/L	1	04/17/22	***	LCMSMS-ID	C
NEtFOSAA	ND		1.90	0.764	ng/L	1	04/17/22	***	LCMSMS-ID	C
NMeFOSAA	ND		1.90	0.616	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND		1.90	0.931	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		1.90	0.654	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND		1.90	0.551	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	5.08		1.90	0.226	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	0.490	JF	1.90	0.289	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND		1.90	0.353	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	3.12		1.90	0.214	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	3.42		1.90	0.357	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	3.95		1.90	0.312	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	4.45		1.90	0.388	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	0.756	J	1.90	0.296	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	17.6	F	1.90	0.479	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	13.8		1.90	0.224	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	4.64		1.90	0.376	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND		1.90	0.236	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND		1.90	0.311	ng/L	1	04/17/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND		1.90	0.247	ng/L	1	04/17/22	***	LCMSMS-ID	C
QA/QC Surrogates										
% d5-NEtFOSA	58.0				%	1	04/17/22	***	27 - 126 %	C
% M2-6:2FTS	110				%	1	04/17/22	***	14 - 147 %	C
% M2-8:2FTS	78.0				%	1	04/17/22	***	10 - 162 %	C
% M2PFTeDA	80.0				%	1	04/17/22	***	22 - 136 %	C
% M3PFBS	93.0				%	1	04/17/22	***	70 - 131 %	C
% M3PFHxS	95.0				%	1	04/17/22	***	71 - 134 %	C
% M4PFHpA	81.0				%	1	04/17/22	***	60 - 129 %	C
% M5PFHxA	68.0				%	1	04/17/22	***	57 - 129 %	C
% M5PFPeA	79.0				%	1	04/17/22	***	62 - 163 %	C
% M6PFDA	80.0				%	1	04/17/22	***	62 - 124 %	C
% M8FOSA	12.0				%	1	04/17/22	***	10 - 112 %	C
% M8PFOA	85.0				%	1	04/17/22	***	62 - 129 %	C
% M8PFOS	95.0				%	1	04/17/22	***	69 - 131 %	C
% M9PFNA	79.0				%	1	04/17/22	***	59 - 139 %	C
% MPFBA	79.0				%	1	04/17/22	***	58 - 132 %	C
% MPFDoA	71.0				%	1	04/17/22	***	48 - 131 %	C
Chlorinated Herbicides										
2,4,5-T	ND		0.23	0.23	ug/L	1	04/12/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		0.23	0.23	ug/L	1	04/12/22	JRB	SW8151A	
2,4-D	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
2,4-DB	ND		4.7	4.7	ug/L	1	04/12/22	JRB	SW8151A	
Dalapon	ND		0.23	0.23	ug/L	1	04/12/22	JRB	SW8151A	
Dicamba	ND		0.23	0.23	ug/L	1	04/12/22	JRB	SW8151A	
Dichloroprop	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
Dinoseb	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
QA/QC Surrogates										
% DCAA	33				%	1	04/12/22	JRB	30 - 150 %	
% DCAA (Confirmation)	55				%	1	04/12/22	JRB	30 - 150 %	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-06

Phoenix I.D.: CL03184

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls									
PCB-1016	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1221	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1232	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1242	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1248	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1254	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1260	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1262	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1268	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	111			%	1	04/12/22	SC	30 - 150 %	
% DCBP (Confirmation)	106			%	1	04/12/22	SC	30 - 150 %	
% TCMX	89			%	1	04/12/22	SC	30 - 150 %	
% TCMX (Confirmation)	91			%	1	04/12/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
a-BHC	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Alachlor	ND	0.071	0.071	ug/L	1	04/12/22	AW	SW8081B	1
Aldrin	ND	0.001	0.001	ug/L	1	04/12/22	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Chlordane	ND	0.019	0.019	ug/L	1	04/12/22	AW	SW8081B	
d-BHC	ND	0.024	0.024	ug/L	1	04/12/22	AW	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.024	0.024	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.095	0.095	ug/L	1	04/12/22	AW	SW8081B	
Toxaphene	ND	0.19	0.19	ug/L	1	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	78			%	1	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	87			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	70			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	85			%	1	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03184
Client ID: MW-06

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03184
Client ID: MW-06

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	104			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	104			%	1	04/14/22	MH	70 - 130 %	
% Toluene-d8	95			%	1	04/14/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.3	3.3	ug/L	1	04/15/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.4	1.3	ug/L	1	04/15/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	4.8	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/15/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.8	1.3	ug/L	1	04/15/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dichlorophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dimethylphenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	4.8	1.9	ug/L	1	04/15/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	4.8	1.5	ug/L	1	04/15/22	WB	SW8270D	
2-Chloronaphthalene	ND	4.8	1.3	ug/L	1	04/15/22	WB	SW8270D	
2-Chlorophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
2-Nitroaniline	ND	4.8	1.9	ug/L	1	04/15/22	WB	SW8270D	
2-Nitrophenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	9.5	1.9	ug/L	1	04/15/22	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	4.8	2.2	ug/L	1	04/15/22	WB	SW8270D	
3-Nitroaniline	ND	4.8	1.9	ug/L	1	04/15/22	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	4.8	1.4	ug/L	1	04/15/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D
4-Chloroaniline	ND	4.8	2.2	ug/L	1	04/15/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D
4-Nitroaniline	ND	4.8	1.9	ug/L	1	04/15/22	WB	SW8270D
4-Nitrophenol	ND	0.95	0.95	ug/L	1	04/15/22	WB	SW8270D
Acetophenone	ND	4.8	1.5	ug/L	1	04/15/22	WB	SW8270D
Aniline	ND	4.8	3.3	ug/L	1	04/15/22	WB	SW8270D
Benzidine	ND	4.8	2.8	ug/L	1	04/15/22	WB	SW8270D
Benzoic acid	ND	48	9.5	ug/L	1	04/15/22	WB	SW8270D
Benzyl butyl phthalate	ND	4.8	1.2	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	4.8	1.3	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.95	0.95	ug/L	1	04/15/22	WB	SW8270D
Carbazole	ND	4.8	3.6	ug/L	1	04/15/22	WB	SW8270D
Dibenzofuran	ND	4.8	1.4	ug/L	1	04/15/22	WB	SW8270D
Diethyl phthalate	ND	4.8	0.86	ug/L	1	04/15/22	WB	SW8270D
Dimethylphthalate	ND	4.8	1.5	ug/L	1	04/15/22	WB	SW8270D
Di-n-butylphthalate	ND	4.8	1.3	ug/L	1	04/15/22	WB	SW8270D
Di-n-octylphthalate	ND	4.8	1.2	ug/L	1	04/15/22	WB	SW8270D
Hexachloroethane	ND	0.95	0.95	ug/L	1	04/15/22	WB	SW8270D
Isophorone	ND	4.8	1.3	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	4.8	1.5	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	4.8	1.8	ug/L	1	04/15/22	WB	SW8270D
Pentachloronitrobenzene	ND	2.4	2.4	ug/L	1	04/15/22	WB	SW8270D
Phenol	ND	0.95	0.86	ug/L	1	04/15/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	81			%	1	04/15/22	WB	15 - 110 %
% 2-Fluorobiphenyl	64			%	1	04/15/22	WB	30 - 130 %
% 2-Fluorophenol	51			%	1	04/15/22	WB	15 - 110 %
% Nitrobenzene-d5	67			%	1	04/15/22	WB	30 - 130 %
% Phenol-d5	57			%	1	04/15/22	WB	15 - 110 %
% Terphenyl-d14	79			%	1	04/15/22	WB	30 - 130 %
Semivolatiles (SIM)								
2-Methylnaphthalene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthylene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Anthracene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluoranthene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluorene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/14/22	WB	SW8270D (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.38	0.38	ug/L	1	04/14/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyrene	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyridine	ND	0.48	0.48	ug/L	1	04/14/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87			%	1	04/14/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	56			%	1	04/14/22	WB	30 - 130 %	
% 2-Fluorophenol	43			%	1	04/14/22	WB	15 - 110 %	
% Nitrobenzene-d5	64			%	1	04/14/22	WB	30 - 130 %	
% Phenol-d5	51			%	1	04/14/22	WB	15 - 110 %	
% Terphenyl-d14	74			%	1	04/14/22	WB	30 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	88			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

*See attached

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/06/22	16:05
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03185

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-07

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	2	J	4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	71		2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	ND		1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	2	J	5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND		0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	165		1	1	ug/L	1	04/08/22	EK	SW6010D	
Nickel	1		1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	ND		2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	ND		10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	ND		0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	ND		4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND		0.01	0.01	mg/L	1	04/07/22 22:34	MW	SM3500CRB-11	
pH	7.49		1.00		pH Units	1	04/08/22 11:22	MW/EG	SM4500-H B-11	1
Total Cyanide	ND		0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Mercury Digestion	Completed						04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed						04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed						04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed						04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed						04/12/22	J/D/D	SW3520C	
Total Metals Digestion	Completed						04/07/22	AG		
PFAS (21)	Completed						04/13/22	***	LCMSMS-ID	C

PFAS (21)

1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND		1.80	1.09	ng/L	1	04/18/22	***	LCMSMS-ID	C

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND		1.80	1.20	ng/L	1	04/18/22	***	LCMSMS-ID	C
NEtFOSAA	ND		1.80	0.722	ng/L	1	04/18/22	***	LCMSMS-ID	C
NMeFOSAA	ND		1.80	0.582	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND		1.80	0.880	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		1.80	0.618	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND		1.80	0.521	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	4.51		1.80	0.214	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	0.453	J	1.80	0.273	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND		1.80	0.334	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	3.96		1.80	0.202	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	1.62	J	1.80	0.338	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	7.57		1.80	0.295	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	6.68		1.80	0.366	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	1.27	J	1.80	0.280	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	19.7	F	1.80	0.453	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	15.0		1.80	0.212	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	13.3		1.80	0.356	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND		1.80	0.223	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND		1.80	0.294	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND		1.80	0.234	ng/L	1	04/18/22	***	LCMSMS-ID	C
QA/QC Surrogates										
% d5-NEtFOSA	63.0				%	1	04/18/22	***	27 - 126 %	C
% M2-6:2FTS	103				%	1	04/18/22	***	14 - 147 %	C
% M2-8:2FTS	87.0				%	1	04/18/22	***	10 - 162 %	C
% M2PFTeDA	80.0				%	1	04/18/22	***	22 - 136 %	C
% M3PFBS	102				%	1	04/18/22	***	70 - 131 %	C
% M3PFHxS	101				%	1	04/18/22	***	71 - 134 %	C
% M4PFHpA	85.0				%	1	04/18/22	***	60 - 129 %	C
% M5PFHxA	76.0				%	1	04/18/22	***	57 - 129 %	C
% M5PFPeA	99.0				%	1	04/18/22	***	62 - 163 %	C
% M6PFDA	85.0				%	1	04/18/22	***	62 - 124 %	C
% M8FOSA	18.0				%	1	04/18/22	***	10 - 112 %	C
% M8PFOA	90.0				%	1	04/18/22	***	62 - 129 %	C
% M8PFOS	99.0				%	1	04/18/22	***	69 - 131 %	C
% M9PFNA	86.0				%	1	04/18/22	***	59 - 139 %	C
% MPFBA	88.0				%	1	04/18/22	***	58 - 132 %	C
% MPFDoA	73.0				%	1	04/18/22	***	48 - 131 %	C
Chlorinated Herbicides										
2,4,5-T	ND		0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
2,4-D	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
2,4-DB	ND		4.7	4.7	ug/L	1	04/12/22	JRB	SW8151A	
Dalapon	ND		0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
Dicamba	ND		0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
Dichloroprop	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
Dinoseb	ND		0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
QA/QC Surrogates										
% DCAA	34				%	1	04/12/22	JRB	30 - 150 %	
% DCAA (Confirmation)	57				%	1	04/12/22	JRB	30 - 150 %	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls									
PCB-1016	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1221	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1232	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1242	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1248	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1254	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1260	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1262	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
PCB-1268	ND	0.050	0.050	ug/L	1	04/12/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	91			%	1	04/12/22	SC	30 - 150 %	
% DCBP (Confirmation)	83			%	1	04/12/22	SC	30 - 150 %	
% TCMX	92			%	1	04/12/22	SC	30 - 150 %	
% TCMX (Confirmation)	95			%	1	04/12/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
a-BHC	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Alachlor	ND	0.074	0.074	ug/L	1	04/12/22	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Chlordane	ND	0.020	0.020	ug/L	1	04/12/22	AW	SW8081B	
d-BHC	ND	0.025	0.025	ug/L	1	04/12/22	AW	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.050	0.050	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.050	0.050	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.050	0.050	ug/L	1	04/12/22	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.050	0.050	ug/L	1	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.050	0.050	ug/L	1	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.025	0.025	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.099	0.099	ug/L	1	04/12/22	AW	SW8081B	
Toxaphene	ND	0.20	0.20	ug/L	1	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	64			%	1	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	67			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	70			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	86			%	1	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	

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1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	

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n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	102			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	104			%	1	04/14/22	MH	70 - 130 %	
% Toluene-d8	97			%	1	04/14/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.3	3.3	ug/L	1	04/15/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	4.7	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.4	1.3	ug/L	1	04/15/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	4.7	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/15/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/15/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.7	1.3	ug/L	1	04/15/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dichlorophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dimethylphenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	4.7	1.9	ug/L	1	04/15/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	4.7	1.5	ug/L	1	04/15/22	WB	SW8270D	
2-Chloronaphthalene	ND	4.7	1.3	ug/L	1	04/15/22	WB	SW8270D	
2-Chlorophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
2-Nitroaniline	ND	4.7	1.9	ug/L	1	04/15/22	WB	SW8270D	
2-Nitrophenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	9.4	1.9	ug/L	1	04/15/22	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	4.7	2.2	ug/L	1	04/15/22	WB	SW8270D	
3-Nitroaniline	ND	4.7	1.9	ug/L	1	04/15/22	WB	SW8270D	

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4,6-Dinitro-2-methylphenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	4.7	1.4	ug/L	1	04/15/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D
4-Chloroaniline	ND	4.7	2.2	ug/L	1	04/15/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D
4-Nitroaniline	ND	4.7	1.9	ug/L	1	04/15/22	WB	SW8270D
4-Nitrophenol	ND	0.94	0.94	ug/L	1	04/15/22	WB	SW8270D
Acetophenone	ND	4.7	1.5	ug/L	1	04/15/22	WB	SW8270D
Aniline	ND	4.7	3.3	ug/L	1	04/15/22	WB	SW8270D
Benzidine	ND	4.7	2.8	ug/L	1	04/15/22	WB	SW8270D
Benzoic acid	ND	47	9.4	ug/L	1	04/15/22	WB	SW8270D
Benzyl butyl phthalate	ND	4.7	1.2	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	4.7	1.3	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.94	0.94	ug/L	1	04/15/22	WB	SW8270D
Carbazole	ND	4.7	3.6	ug/L	1	04/15/22	WB	SW8270D
Dibenzofuran	ND	4.7	1.4	ug/L	1	04/15/22	WB	SW8270D
Diethyl phthalate	ND	4.7	0.85	ug/L	1	04/15/22	WB	SW8270D
Dimethylphthalate	ND	4.7	1.5	ug/L	1	04/15/22	WB	SW8270D
Di-n-butylphthalate	ND	4.7	1.3	ug/L	1	04/15/22	WB	SW8270D
Di-n-octylphthalate	ND	4.7	1.2	ug/L	1	04/15/22	WB	SW8270D
Hexachloroethane	ND	0.94	0.94	ug/L	1	04/15/22	WB	SW8270D
Isophorone	ND	4.7	1.3	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	4.7	1.5	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	4.7	1.8	ug/L	1	04/15/22	WB	SW8270D
Pentachloronitrobenzene	ND	2.4	2.4	ug/L	1	04/15/22	WB	SW8270D
Phenol	ND	0.94	0.85	ug/L	1	04/15/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	1	04/15/22	WB	15 - 110 %
% 2-Fluorobiphenyl	65			%	1	04/15/22	WB	30 - 130 %
% 2-Fluorophenol	55			%	1	04/15/22	WB	15 - 110 %
% Nitrobenzene-d5	58			%	1	04/15/22	WB	30 - 130 %
% Phenol-d5	58			%	1	04/15/22	WB	15 - 110 %
% Terphenyl-d14	80			%	1	04/15/22	WB	30 - 130 %

Semivolatiles (SIM)

2-Methylnaphthalene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthylene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Anthracene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluoranthene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluorene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/14/22	WB	SW8270D (SIM)

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03185
Client ID: MW-07

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.38	0.38	ug/L	1	04/14/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyrene	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyridine	ND	0.47	0.47	ug/L	1	04/14/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	88			%	1	04/14/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	56			%	1	04/14/22	WB	30 - 130 %	
% 2-Fluorophenol	43			%	1	04/14/22	WB	15 - 110 %	
% Nitrobenzene-d5	59			%	1	04/14/22	WB	30 - 130 %	
% Phenol-d5	50			%	1	04/14/22	WB	15 - 110 %	
% Terphenyl-d14	77			%	1	04/14/22	WB	30 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	85			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

*See attached

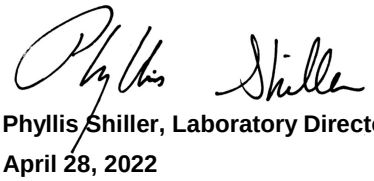
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/06/22	15:45
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03186

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: EB-01

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	ND		4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	1	J	2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	ND		1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	ND		5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND		0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	2		1	1	ug/L	1	04/08/22	EK	SW6010D	
Nickel	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	ND		2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	ND		10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	ND		0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	ND		4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND		0.01	0.01	mg/L	1	04/07/22 22:34	MW	SM3500CRB-11	
pH	7.62		1.00		pH Units	1	04/08/22 11:25	MW/EG	SM4500-H B-11	1
Total Cyanide	ND		0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Mercury Digestion	Completed						04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed						04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed						04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed						04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed						04/12/22	J/D/D	SW3520C	
Total Metals Digestion	Completed						04/07/22	AG		
PFAS (21)	Completed						04/13/22	***	LCMSMS-ID	C

PFAS (21)

1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND		1.81	1.10	ng/L	1	04/18/22	***	LCMSMS-ID	C

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: EB-01

Phoenix I.D.: CL03186

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND	1.81	1.20	ng/L	1	04/18/22	***	LCMSMS-ID	C
NEtFOSAA	ND	1.81	0.727	ng/L	1	04/18/22	***	LCMSMS-ID	C
NMeFOSAA	ND	1.81	0.586	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.81	0.886	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.81	0.622	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.81	0.524	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	ND	1.81	0.215	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	ND	1.81	0.275	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND	1.81	0.336	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	ND	1.81	0.204	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.81	0.340	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	ND	1.81	0.296	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	ND	1.81	0.369	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	ND	1.81	0.282	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	ND	1.81	0.456	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	ND	1.81	0.213	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	ND	1.81	0.358	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND	1.81	0.224	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND	1.81	0.296	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND	1.81	0.235	ng/L	1	04/18/22	***	LCMSMS-ID	C
QA/QC Surrogates									
% d5-NEtFOSA	88.0			%	1	04/18/22	***	27 - 126 %	C
% M2-6:2FTS	72.0			%	1	04/18/22	***	14 - 147 %	C
% M2-8:2FTS	68.0			%	1	04/18/22	***	10 - 162 %	C
% M2PFTeDA	92.0			%	1	04/18/22	***	22 - 136 %	C
% M3PFBS	103			%	1	04/18/22	***	70 - 131 %	C
% M3PFHxS	100			%	1	04/18/22	***	71 - 134 %	C
% M4PFHpA	101			%	1	04/18/22	***	60 - 129 %	C
% M5PFHxA	96.0			%	1	04/18/22	***	57 - 129 %	C
% M5PFPeA	118			%	1	04/18/22	***	62 - 163 %	C
% M6PFDA	98.0			%	1	04/18/22	***	62 - 124 %	C
% M8FOSA	19.0			%	1	04/18/22	***	10 - 112 %	C
% M8PFOA	107			%	1	04/18/22	***	62 - 129 %	C
% M8PFOS	97.0			%	1	04/18/22	***	69 - 131 %	C
% M9PFNA	102			%	1	04/18/22	***	59 - 139 %	C
% MPFBA	103			%	1	04/18/22	***	58 - 132 %	C
% MPFDoA	88.0			%	1	04/18/22	***	48 - 131 %	C
Chlorinated Herbicides									
2,4,5-T	ND	0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
2,4-D	ND	0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
2,4-DB	ND	4.7	4.7	ug/L	1	04/12/22	JRB	SW8151A	
Dalapon	ND	0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
Dicamba	ND	0.24	0.24	ug/L	1	04/12/22	JRB	SW8151A	
Dichloroprop	ND	0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
Dinoseb	ND	0.47	0.47	ug/L	1	04/12/22	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	35			%	1	04/12/22	JRB	30 - 150 %	
% DCAA (Confirmation)	61			%	1	04/12/22	JRB	30 - 150 %	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: EB-01

Phoenix I.D.: CL03186

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls									
PCB-1016	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1221	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1232	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1242	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1248	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1254	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1260	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1262	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
PCB-1268	ND	0.048	0.048	ug/L	1	04/12/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	86			%	1	04/12/22	SC	30 - 150 %	
% DCBP (Confirmation)	81			%	1	04/12/22	SC	30 - 150 %	
% TCMX	80			%	1	04/12/22	SC	30 - 150 %	
% TCMX (Confirmation)	84			%	1	04/12/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
a-BHC	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Alachlor	ND	0.072	0.072	ug/L	1	04/12/22	AW	SW8081B	1
Aldrin	ND	0.001	0.001	ug/L	1	04/12/22	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Chlordane	ND	0.019	0.019	ug/L	1	04/12/22	AW	SW8081B	
d-BHC	ND	0.024	0.024	ug/L	1	04/12/22	AW	SW8081B	
Dieldrin	ND	0.001	0.001	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.048	0.048	ug/L	1	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.024	0.024	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.096	0.096	ug/L	1	04/12/22	AW	SW8081B	
Toxaphene	ND	0.19	0.19	ug/L	1	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	71			%	1	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	76			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	79			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	80			%	1	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03186
Client ID: EB-01

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	102			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	100			%	1	04/14/22	MH	70 - 130 %	
% Toluene-d8	97			%	1	04/14/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.7	3.7	ug/L	1	04/15/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	5.3	1.6	ug/L	1	04/15/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.7	1.5	ug/L	1	04/15/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	5.3	1.6	ug/L	1	04/15/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.7	1.6	ug/L	1	04/15/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.7	1.6	ug/L	1	04/15/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.5	ug/L	1	04/15/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dichlorophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dimethylphenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.1	ug/L	1	04/15/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.7	ug/L	1	04/15/22	WB	SW8270D	
2-Chloronaphthalene	ND	5.3	1.5	ug/L	1	04/15/22	WB	SW8270D	
2-Chlorophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
2-Nitroaniline	ND	5.0	2.1	ug/L	1	04/15/22	WB	SW8270D	
2-Nitrophenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	11	2.1	ug/L	1	04/15/22	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.5	ug/L	1	04/15/22	WB	SW8270D	
3-Nitroaniline	ND	5.0	2.1	ug/L	1	04/15/22	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.3	1.6	ug/L	1	04/15/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D
4-Chloroaniline	ND	5.0	2.5	ug/L	1	04/15/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	1.1	0.95	ug/L	1	04/15/22	WB	SW8270D
4-Nitroaniline	ND	5.0	2.1	ug/L	1	04/15/22	WB	SW8270D
4-Nitrophenol	ND	1	1.1	ug/L	1	04/15/22	WB	SW8270D
Acetophenone	ND	5.3	1.7	ug/L	1	04/15/22	WB	SW8270D
Aniline	ND	5.0	3.7	ug/L	1	04/15/22	WB	SW8270D
Benzidine	ND	5.0	3.1	ug/L	1	04/15/22	WB	SW8270D
Benzoic acid	ND	50	11	ug/L	1	04/15/22	WB	SW8270D
Benzyl butyl phthalate	ND	5.3	1.4	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.5	ug/L	1	04/15/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	1	04/15/22	WB	SW8270D
Carbazole	ND	5.3	4.0	ug/L	1	04/15/22	WB	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	04/15/22	WB	SW8270D
Diethyl phthalate	ND	5.3	0.95	ug/L	1	04/15/22	WB	SW8270D
Dimethylphthalate	ND	5.3	1.6	ug/L	1	04/15/22	WB	SW8270D
Di-n-butylphthalate	ND	5.3	1.4	ug/L	1	04/15/22	WB	SW8270D
Di-n-octylphthalate	ND	5.3	1.4	ug/L	1	04/15/22	WB	SW8270D
Hexachloroethane	ND	1.1	1.1	ug/L	1	04/15/22	WB	SW8270D
Isophorone	ND	5.3	1.5	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.3	1.7	ug/L	1	04/15/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.3	2.0	ug/L	1	04/15/22	WB	SW8270D
Pentachloronitrobenzene	ND	2.7	2.7	ug/L	1	04/15/22	WB	SW8270D
Phenol	ND	1.0	0.95	ug/L	1	04/15/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	1	04/15/22	WB	15 - 110 %
% 2-Fluorobiphenyl	64			%	1	04/15/22	WB	30 - 130 %
% 2-Fluorophenol	51			%	1	04/15/22	WB	15 - 110 %
% Nitrobenzene-d5	64			%	1	04/15/22	WB	30 - 130 %
% Phenol-d5	59			%	1	04/15/22	WB	15 - 110 %
% Terphenyl-d14	80			%	1	04/15/22	WB	30 - 130 %
Semivolatiles (SIM)								
2-Methylnaphthalene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Acenaphthylene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Anthracene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluoranthene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Fluorene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/14/22	WB	SW8270D (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	04/14/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyrene	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
Pyridine	ND	0.53	0.53	ug/L	1	04/14/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82			%	1	04/14/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	53			%	1	04/14/22	WB	30 - 130 %	
% 2-Fluorophenol	45			%	1	04/14/22	WB	15 - 110 %	
% Nitrobenzene-d5	61			%	1	04/14/22	WB	30 - 130 %	
% Phenol-d5	48			%	1	04/14/22	WB	15 - 110 %	
% Terphenyl-d14	77			%	1	04/14/22	WB	30 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	83			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

*See attached

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03187

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-01 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	7.45	0.83	0.83	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	55.5	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.39	0.33	0.17	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	ND	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	18.6	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	23.7	0.8	0.41	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/11/22	MGH	SW7471B	
Manganese	148	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Nickel	11.4	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	9.39	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.7	1.4	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	18.6	0.41	0.41	mg/kg	1	04/13/22		CALC 6010-7196	
Zinc	40.7	0.8	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	84			%		04/07/22	H	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.47	0.47	mg/Kg	1	04/13/22	BJA	SW7196A	
pH at 25C - Soil	7.77	1.00	1.00	pH Units	1	04/07/22 23:50	ARC	SW846 9045D	1
Redox Potential	180			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.50	0.248	mg/Kg	1	04/15/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/11/22	AB/LS	SW7471B	
Soil Extraction for Herbicide	Completed					04/08/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/07/22	R/I/R/I	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-01 (0-2FT)

Phoenix I.D.: CL03187

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-D	ND	0.3	0.3	mg/Kg	10	04/13/22	JRB	SW8151A
2,4-DB	ND	3	3	mg/Kg	10	04/13/22	JRB	SW8151A
Dalapon	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dicamba	ND	0.15	0.15	mg/Kg	10	04/13/22	JRB	SW8151A
Dichloroprop	ND	0.3	0.3	mg/Kg	10	04/13/22	JRB	SW8151A
Dinoseb	ND	0.3	0.3	mg/Kg	10	04/13/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	84			%	10	04/13/22	JRB	30 - 150 %
% DCAA (Confirmation)	82			%	10	04/13/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	0.078	0.078	mg/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	67			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	74			%	2	04/08/22	SC	30 - 150 %
% TCMX	66			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	66			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDE	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
4,4' -DDT	ND	0.0023	0.0023	mg/Kg	2	04/11/22	AW	SW8081B
a-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
a-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Alachlor	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Aldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
b-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Chlordane	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B
d-BHC	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Dieldrin	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan I	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan II	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endosulfan sulfate	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin aldehyde	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
Endrin ketone	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B
g-BHC	ND	0.0016	0.0016	mg/Kg	2	04/11/22	AW	SW8081B
g-Chlordane	ND	0.0039	0.0039	mg/Kg	2	04/11/22	AW	SW8081B

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-01 (0-2FT)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Heptachlor epoxide	ND	0.0078	0.0078	mg/Kg	2	04/11/22	AW	SW8081B	
Methoxychlor	ND	0.039	0.039	mg/Kg	2	04/11/22	AW	SW8081B	
Toxaphene	ND	0.16	0.16	mg/Kg	2	04/11/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	69			%	2	04/11/22	AW	30 - 150 %	
% DCBP (Confirmation)	78			%	2	04/11/22	AW	30 - 150 %	
% TCMX	61			%	2	04/11/22	AW	30 - 150 %	
% TCMX (Confirmation)	64			%	2	04/11/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Chlorotoluene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Hexanone	ND	0.022	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.022	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
Acetone	ND	0.022	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
Acrylonitrile	ND	0.0089	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Benzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromobenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromochloromethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromodichloromethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromoform	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Bromomethane	ND	0.0045	0.0018	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon Disulfide	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Carbon tetrachloride	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Chlorobenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Chloroform	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromochloromethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Dibromomethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Ethylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Isopropylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
m&p-Xylene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.022	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0089	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Methylene chloride	ND	0.0089	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
Naphthalene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Butylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
n-Propylbenzene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
o-Xylene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
sec-Butylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Styrene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
tert-Butylbenzene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrachloroethene	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0089	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Toluene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Total Xylenes	ND	0.0045	0.0045	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0089	0.0022	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichloroethene	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0045	0.00089	mg/Kg	1	04/09/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
Vinyl chloride	ND	0.0045	0.00045	mg/Kg	1	04/09/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	04/09/22	JLI	70 - 130 %	
% Bromofluorobenzene	102			%	1	04/09/22	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	04/09/22	JLI	70 - 130 %	
% Toluene-d8	97			%	1	04/09/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.067	0.036	mg/Kg	1	04/09/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.27	0.093	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.27	0.1	mg/Kg	1	04/08/22	KCA	SW8270D	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
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Phoenix I.D.: CL03187

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dichlorophenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dimethylphenol	ND	0.27	0.096	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrophenol	ND	0.39	0.19	mg/Kg	1	04/08/22	KCA	SW8270D
2,4-Dinitrotoluene	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2,6-Dinitrotoluene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chloronaphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Chlorophenol	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylnaphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
2-Nitrophenol	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	0.18	mg/Kg	1	04/08/22	KCA	SW8270D
3-Nitroaniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloro-3-methylphenol	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chloroaniline	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitroaniline	ND	0.62	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
4-Nitrophenol	ND	0.27	0.077	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Acenaphthylene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Acetophenone	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Aniline	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benz(a)anthracene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzidine	ND	0.27	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(a)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(ghi)perylene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Benzoic acid	ND	0.77	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Benzyl butyl phthalate	ND	0.27	0.099	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.39	0.1	mg/Kg	1	04/08/22	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Carbazole	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Chrysene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dibenzofuran	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Diethyl phthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Dimethylphthalate	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-butylphthalate	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Di-n-octylphthalate	ND	0.27	0.099	mg/Kg	1	04/08/22	KCA	SW8270D
Fluoranthene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Fluorene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorobenzene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.27	0.14	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Hexachloroethane	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Isophorone	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Naphthalene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Nitrobenzene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.39	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachloronitrobenzene	ND	0.39	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pentachlorophenol	ND	0.39	0.15	mg/Kg	1	04/08/22	KCA	SW8270D
Phenanthrene	ND	0.27	0.11	mg/Kg	1	04/08/22	KCA	SW8270D
Phenol	ND	0.27	0.12	mg/Kg	1	04/08/22	KCA	SW8270D
Pyrene	ND	0.27	0.13	mg/Kg	1	04/08/22	KCA	SW8270D
Pyridine	ND	0.39	0.095	mg/Kg	1	04/08/22	KCA	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	04/08/22	KCA	30 - 130 %
% 2-Fluorophenol	73			%	1	04/08/22	KCA	30 - 130 %
% Nitrobenzene-d5	68			%	1	04/08/22	KCA	30 - 130 %
% Phenol-d5	74			%	1	04/08/22	KCA	30 - 130 %
% Terphenyl-d14	89			%	1	04/08/22	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 28, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/07/22	7:50
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03188

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	34	4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	471	2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	ND	1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	2	1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	37	1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	65	5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND	0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	946	1	1	ug/L	1	04/08/22	EK	SW6010D	
Nickel	29	1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	281	2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	ND	10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	0.037	0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	188	4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND	0.01	0.01	mg/L	1	04/07/22 22:35	MW	SM3500CRB-11	
pH	7.45	1.00		pH Units	1	04/08/22 11:27	MW/EG	SM4500-H B-11	1
Total Cyanide	ND	0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Mercury Digestion	Completed					04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed					04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed					04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed					04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed					04/13/22	P/DW	SW3520C	
Total Metals Digestion	Completed					04/07/22	AG		
PFAS (21)	Completed					04/13/22	***	LCMSMS-ID	C

PFAS (21)

1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND	1.91	1.16	ng/L	1	04/18/22	***	LCMSMS-ID	C

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND		1.91	1.27	ng/L	1	04/18/22	***	LCMSMS-ID	C
NEtFOSAA	ND		1.91	0.767	ng/L	1	04/18/22	***	LCMSMS-ID	C
NMeFOSAA	ND		1.91	0.618	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND		1.91	0.935	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		1.91	0.656	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND		1.91	0.553	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	7.34		1.91	0.227	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	ND		1.91	0.290	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND		1.91	0.355	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	2.47		1.91	0.215	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	2.41		1.91	0.359	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	3.89		1.91	0.313	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	4.91		1.91	0.389	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	0.794	J	1.91	0.298	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	14.5	F	1.91	0.481	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	11.0		1.91	0.225	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	5.18		1.91	0.378	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND		1.91	0.236	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND		1.91	0.312	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND		1.91	0.248	ng/L	1	04/18/22	***	LCMSMS-ID	C
QA/QC Surrogates										
% d5-NEtFOSA	53.0				%	1	04/18/22	***	27 - 126 %	C
% M2-6:2FTS	112				%	1	04/18/22	***	14 - 147 %	C
% M2-8:2FTS	78.0				%	1	04/18/22	***	10 - 162 %	C
% M2PFTeDA	63.0				%	1	04/18/22	***	22 - 136 %	C
% M3PFBS	96.0				%	1	04/18/22	***	70 - 131 %	C
% M3PFHxS	103				%	1	04/18/22	***	71 - 134 %	C
% M4PFHpA	83.0				%	1	04/18/22	***	60 - 129 %	C
% M5PFHxA	72.0				%	1	04/18/22	***	57 - 129 %	C
% M5PFPeA	88.0				%	1	04/18/22	***	62 - 163 %	C
% M6PFDA	80.0				%	1	04/18/22	***	62 - 124 %	C
% M8FOSA	12.0				%	1	04/18/22	***	10 - 112 %	C
% M8PFOA	91.0				%	1	04/18/22	***	62 - 129 %	C
% M8PFOS	97.0				%	1	04/18/22	***	69 - 131 %	C
% M9PFNA	89.0				%	1	04/18/22	***	59 - 139 %	C
% MPFBA	83.0				%	1	04/18/22	***	58 - 132 %	C
% MPFDoA	56.0				%	1	04/18/22	***	48 - 131 %	C
Chlorinated Herbicides										
2,4,5-T	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
2,4-D	ND		4.7	4.7	ug/L	10	04/11/22	JRB	SW8151A	
2,4-DB	ND		47	47	ug/L	10	04/11/22	JRB	SW8151A	
Dalapon	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
Dicamba	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
Dichloroprop	ND		4.7	4.7	ug/L	10	04/11/22	JRB	SW8151A	
Dinoseb	ND		4.7	4.7	ug/L	10	04/11/22	JRB	SW8151A	
QA/QC Surrogates										
% DCAA	104				%	10	04/11/22	JRB	30 - 150 %	
% DCAA (Confirmation)	134				%	10	04/11/22	JRB	30 - 150 %	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-05

Phoenix I.D.: CL03188

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls									
PCB-1016	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1221	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1232	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1242	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1248	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1254	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1260	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1262	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
PCB-1268	ND	0.051	0.051	ug/L	1	04/13/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	69			%	1	04/13/22	SC	30 - 150 %	
% DCBP (Confirmation)	65			%	1	04/13/22	SC	30 - 150 %	
% TCMX	76			%	1	04/13/22	SC	30 - 150 %	
% TCMX (Confirmation)	79			%	1	04/13/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
a-BHC	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Alachlor	ND	0.076	0.076	ug/L	1	04/12/22	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Chlordane	ND	0.020	0.020	ug/L	1	04/12/22	AW	SW8081B	
d-BHC	ND	0.025	0.025	ug/L	1	04/12/22	AW	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.051	0.051	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.051	0.051	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.051	0.051	ug/L	1	04/12/22	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.051	0.051	ug/L	1	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.051	0.051	ug/L	1	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.025	0.025	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	04/12/22	AW	SW8081B	
Toxaphene	ND	0.20	0.20	ug/L	1	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	54			%	1	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	66			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	79			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	90			%	1	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	101			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	99			%	1	04/14/22	MH	70 - 130 %	
% Toluene-d8	97			%	1	04/14/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.3	3.3	ug/L	1	04/16/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/L	1	04/16/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.4	1.3	ug/L	1	04/16/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	4.8	1.4	ug/L	1	04/16/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/16/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.4	1.4	ug/L	1	04/16/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.8	1.3	ug/L	1	04/16/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dichlorophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dimethylphenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	4.8	1.9	ug/L	1	04/16/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	4.8	1.5	ug/L	1	04/16/22	WB	SW8270D	
2-Chloronaphthalene	ND	4.8	1.3	ug/L	1	04/16/22	WB	SW8270D	
2-Chlorophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
2-Nitroaniline	ND	4.8	1.9	ug/L	1	04/16/22	WB	SW8270D	
2-Nitrophenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	9.5	1.9	ug/L	1	04/16/22	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	4.8	2.2	ug/L	1	04/16/22	WB	SW8270D	
3-Nitroaniline	ND	4.8	1.9	ug/L	1	04/16/22	WB	SW8270D	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	4.8	1.4	ug/L	1	04/16/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
4-Chloroaniline	ND	4.8	2.2	ug/L	1	04/16/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
4-Nitroaniline	ND	4.8	1.9	ug/L	1	04/16/22	WB	SW8270D	
4-Nitrophenol	ND	0.95	0.95	ug/L	1	04/16/22	WB	SW8270D	
Acetophenone	ND	4.8	1.5	ug/L	1	04/16/22	WB	SW8270D	
Aniline	ND	4.8	3.3	ug/L	1	04/16/22	WB	SW8270D	
Benzidine	ND	4.8	2.8	ug/L	1	04/16/22	WB	SW8270D	
Benzoic acid	ND	48	9.5	ug/L	1	04/16/22	WB	SW8270D	
Benzyl butyl phthalate	ND	4.8	1.2	ug/L	1	04/16/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	4.8	1.3	ug/L	1	04/16/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.95	0.95	ug/L	1	04/16/22	WB	SW8270D	
Carbazole	ND	4.8	3.6	ug/L	1	04/16/22	WB	SW8270D	
Dibenzofuran	ND	4.8	1.4	ug/L	1	04/16/22	WB	SW8270D	
Diethyl phthalate	ND	4.8	0.86	ug/L	1	04/16/22	WB	SW8270D	
Dimethylphthalate	ND	4.8	1.5	ug/L	1	04/16/22	WB	SW8270D	
Di-n-butylphthalate	ND	4.8	1.3	ug/L	1	04/16/22	WB	SW8270D	
Di-n-octylphthalate	ND	4.8	1.2	ug/L	1	04/16/22	WB	SW8270D	
Hexachloroethane	ND	0.95	0.95	ug/L	1	04/16/22	WB	SW8270D	
Isophorone	ND	4.8	1.3	ug/L	1	04/16/22	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	4.8	1.5	ug/L	1	04/16/22	WB	SW8270D	
N-Nitrosodiphenylamine	ND	4.8	1.8	ug/L	1	04/16/22	WB	SW8270D	
Pentachloronitrobenzene	ND	2.4	2.4	ug/L	1	04/16/22	WB	SW8270D	
Phenol	ND	0.95	0.86	ug/L	1	04/16/22	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	73			%	1	04/16/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	59			%	1	04/16/22	WB	30 - 130 %	
% 2-Fluorophenol	50			%	1	04/16/22	WB	15 - 110 %	
% Nitrobenzene-d5	64			%	1	04/16/22	WB	30 - 130 %	
% Phenol-d5	50			%	1	04/16/22	WB	15 - 110 %	
% Terphenyl-d14	19			%	1	04/16/22	WB	30 - 130 %	3
Semivolatiles (SIM)									
2-Methylnaphthalene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Acenaphthene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Acenaphthylene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Anthracene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Chrysene	0.03	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Fluoranthene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Fluorene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/15/22	WB	SW8270D (SIM)	

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Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.38	0.38	ug/L	1	04/15/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyrene	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyridine	ND	0.48	0.48	ug/L	1	04/15/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	72			%	1	04/15/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	46			%	1	04/15/22	WB	30 - 130 %	
% 2-Fluorophenol	41			%	1	04/15/22	WB	15 - 110 %	
% Nitrobenzene-d5	62			%	1	04/15/22	WB	30 - 130 %	
% Phenol-d5	43			%	1	04/15/22	WB	15 - 110 %	
% Terphenyl-d14	16			%	1	04/15/22	WB	30 - 130 %	3

1,4-dioxane

1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	81			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Phoenix I.D.: CL03188
Client ID: MW-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

*See attached

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Herbicide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/07/22	8:20
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03189

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-02

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	80	4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	1430	2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	3	1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	6	1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	108	1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	217	5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND	0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	2650	10	10	ug/L	10	04/11/22	CPP	SW6010D	
Nickel	79	1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	523	2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	17	10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	0.108	0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	497	4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND	0.01	0.01	mg/L	1	04/07/22 22:37	MW	SM3500CRB-11	
pH	7.72	1.00		pH Units	1	04/08/22 12:01	MW/EG	SM4500-H B-11	1
Total Cyanide	ND	0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Mercury Digestion	Completed					04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed					04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed					04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed					04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed					04/13/22	P/DW	SW3520C	
Total Metals Digestion	Completed					04/07/22	AG		
PFAS (21)	Completed					04/13/22	***	LCMSMS-ID	C

PFAS (21)

1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND	1.92	1.16	ng/L	1	04/18/22	***	LCMSMS-ID	C

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-02

Phoenix I.D.: CL03189

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND		1.92	1.28	ng/L	1	04/18/22	***	LCMSMS-ID	C
NEtFOSAA	ND		1.92	0.773	ng/L	1	04/18/22	***	LCMSMS-ID	C
NMeFOSAA	ND		1.92	0.623	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND		1.92	0.942	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		1.92	0.661	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND		1.92	0.558	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	7.12		1.92	0.229	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	0.300	JF	1.92	0.292	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND		1.92	0.358	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	3.06		1.92	0.216	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	2.33		1.92	0.361	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	4.74		1.92	0.315	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	5.16		1.92	0.392	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	0.888	J	1.92	0.300	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	14.9	F	1.92	0.484	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	11.9		1.92	0.227	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	5.68		1.92	0.381	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND		1.92	0.238	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND		1.92	0.314	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND		1.92	0.250	ng/L	1	04/18/22	***	LCMSMS-ID	C
QA/QC Surrogates										
% d5-NEtFOSA	55.0				%	1	04/18/22	***	27 - 126 %	C
% M2-6:2FTS	103				%	1	04/18/22	***	14 - 147 %	C
% M2-8:2FTS	76.0				%	1	04/18/22	***	10 - 162 %	C
% M2PFTeDA	65.0				%	1	04/18/22	***	22 - 136 %	C
% M3PFBS	95.0				%	1	04/18/22	***	70 - 131 %	C
% M3PFHxS	100				%	1	04/18/22	***	71 - 134 %	C
% M4PFHpA	86.0				%	1	04/18/22	***	60 - 129 %	C
% M5PFHxA	74.0				%	1	04/18/22	***	57 - 129 %	C
% M5PFPeA	96.0				%	1	04/18/22	***	62 - 163 %	C
% M6PFDA	84.0				%	1	04/18/22	***	62 - 124 %	C
% M8FOSA	13.0				%	1	04/18/22	***	10 - 112 %	C
% M8PFOA	92.0				%	1	04/18/22	***	62 - 129 %	C
% M8PFOS	94.0				%	1	04/18/22	***	69 - 131 %	C
% M9PFNA	86.0				%	1	04/18/22	***	59 - 139 %	C
% MPFBA	89.0				%	1	04/18/22	***	58 - 132 %	C
% MPFDoA	65.0				%	1	04/18/22	***	48 - 131 %	C
Chlorinated Herbicides										
2,4,5-T	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
2,4-D	ND		4.8	4.8	ug/L	10	04/11/22	JRB	SW8151A	
2,4-DB	ND		48	48	ug/L	10	04/11/22	JRB	SW8151A	
Dalapon	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
Dicamba	ND		2.4	2.4	ug/L	10	04/11/22	JRB	SW8151A	
Dichloroprop	ND		4.8	4.8	ug/L	10	04/11/22	JRB	SW8151A	
Dinoseb	ND		4.8	4.8	ug/L	10	04/11/22	JRB	SW8151A	
QA/QC Surrogates										
% DCAA	115				%	10	04/11/22	JRB	30 - 150 %	
% DCAA (Confirmation)	154				%	10	04/11/22	JRB	30 - 150 %	3

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: FD-02

Phoenix I.D.: CL03189

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls									
PCB-1016	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1221	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1232	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1242	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1248	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1254	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1260	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1262	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
PCB-1268	ND	0.050	0.050	ug/L	1	04/13/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	34			%	1	04/13/22	SC	30 - 150 %	
% DCBP (Confirmation)	30			%	1	04/13/22	SC	30 - 150 %	
% TCMX	69			%	1	04/13/22	SC	30 - 150 %	
% TCMX (Confirmation)	67			%	1	04/13/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
a-BHC	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
Alachlor	ND	0.37	0.37	ug/L	5	04/12/22	AW	SW8081B	1
Aldrin	ND	0.007	0.007	ug/L	5	04/12/22	AW	SW8081B	
b-BHC	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Chlordane	ND	0.099	0.099	ug/L	5	04/12/22	AW	SW8081B	
d-BHC	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
Dieldrin	ND	0.010	0.010	ug/L	5	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Endrin	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.25	0.25	ug/L	5	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.25	0.25	ug/L	5	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.002	0.002	ug/L	5	04/12/22	AW	SW8081B	
Heptachlor	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.025	0.025	ug/L	5	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.49	0.49	ug/L	5	04/12/22	AW	SW8081B	
Toxaphene	ND	0.99	0.99	ug/L	5	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	146			%	5	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	71			%	5	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	81			%	5	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	101			%	5	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	101			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	99			%	1	04/14/22	MH	70 - 130 %	
% Toluene-d8	97			%	1	04/14/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.9	3.9	ug/L	1	04/16/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	5.5	1.7	ug/L	1	04/16/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.8	1.6	ug/L	1	04/16/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	5.5	1.7	ug/L	1	04/16/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.8	1.6	ug/L	1	04/16/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.8	1.6	ug/L	1	04/16/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.5	ug/L	1	04/16/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dichlorophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dimethylphenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.7	ug/L	1	04/16/22	WB	SW8270D	
2-Chloronaphthalene	ND	5.5	1.6	ug/L	1	04/16/22	WB	SW8270D	
2-Chlorophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
2-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D	
2-Nitrophenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	11	2.2	ug/L	1	04/16/22	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.6	ug/L	1	04/16/22	WB	SW8270D	
3-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.5	1.6	ug/L	1	04/16/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D
4-Chloroaniline	ND	5.0	2.6	ug/L	1	04/16/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	1.1	0.99	ug/L	1	04/16/22	WB	SW8270D
4-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D
4-Nitrophenol	ND	1	1.1	ug/L	1	04/16/22	WB	SW8270D
Acetophenone	ND	5.5	1.7	ug/L	1	04/16/22	WB	SW8270D
Aniline	ND	5.0	3.9	ug/L	1	04/16/22	WB	SW8270D
Benzidine	ND	5.0	3.2	ug/L	1	04/16/22	WB	SW8270D
Benzoic acid	ND	50	11	ug/L	1	04/16/22	WB	SW8270D
Benzyl butyl phthalate	ND	5.5	1.4	ug/L	1	04/16/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.5	ug/L	1	04/16/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	1	04/16/22	WB	SW8270D
Carbazole	ND	5.5	4.2	ug/L	1	04/16/22	WB	SW8270D
Dibenzofuran	ND	5.0	1.6	ug/L	1	04/16/22	WB	SW8270D
Diethyl phthalate	ND	5.5	0.99	ug/L	1	04/16/22	WB	SW8270D
Dimethylphthalate	ND	5.5	1.7	ug/L	1	04/16/22	WB	SW8270D
Di-n-butylphthalate	ND	5.5	1.5	ug/L	1	04/16/22	WB	SW8270D
Di-n-octylphthalate	ND	5.5	1.4	ug/L	1	04/16/22	WB	SW8270D
Hexachloroethane	ND	1.1	1.1	ug/L	1	04/16/22	WB	SW8270D
Isophorone	ND	5.5	1.5	ug/L	1	04/16/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.5	1.8	ug/L	1	04/16/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.5	2.1	ug/L	1	04/16/22	WB	SW8270D
Pentachloronitrobenzene	ND	2.8	2.8	ug/L	1	04/16/22	WB	SW8270D
Phenol	ND	1.0	0.99	ug/L	1	04/16/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	1	04/16/22	WB	15 - 110 %
% 2-Fluorobiphenyl	64			%	1	04/16/22	WB	30 - 130 %
% 2-Fluorophenol	54			%	1	04/16/22	WB	15 - 110 %
% Nitrobenzene-d5	71			%	1	04/16/22	WB	30 - 130 %
% Phenol-d5	58			%	1	04/16/22	WB	15 - 110 %
% Terphenyl-d14	35			%	1	04/16/22	WB	30 - 130 %
Semivolatiles (SIM)								
2-Methylnaphthalene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Acenaphthene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Acenaphthylene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Anthracene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Fluoranthene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Fluorene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/15/22	WB	SW8270D (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	04/15/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyrene	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyridine	ND	0.55	0.55	ug/L	1	04/15/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77			%	1	04/15/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	51			%	1	04/15/22	WB	30 - 130 %	
% 2-Fluorophenol	43			%	1	04/15/22	WB	15 - 110 %	
% Nitrobenzene-d5	69			%	1	04/15/22	WB	30 - 130 %	
% Phenol-d5	47			%	1	04/15/22	WB	15 - 110 %	
% Terphenyl-d14	32			%	1	04/15/22	WB	30 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	88			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

*See attached

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

Herbicide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/07/22	8:30
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03190

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY

Phoenix I.D.: CL03190

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	2.5	ug/L	1	04/14/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/14/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/14/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/14/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/14/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/14/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	04/14/22	MH	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/14/22	MH	70 - 130 %	
% Dibromofluoromethane	100			%	1	04/14/22	MH	70 - 130 %	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: TRIP BLANK

Phoenix I.D.: CL03190

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	04/14/22	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	04/14/22	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

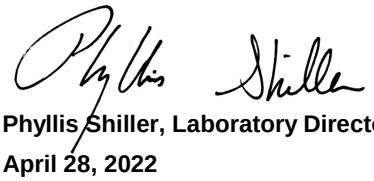
Comments:

TRIP BLANK INCLUDED.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 28, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/07/22	9:45
Location Code:	LABELLA-BRKLYN	Received by:	B	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL03162
Phoenix ID: CL03191

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-04

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Arsenic	2	J	4	1	ug/L	1	04/08/22	EK	SW6010D	
Barium	53		2	1	ug/L	1	04/08/22	EK	SW6010D	
Beryllium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Cadmium	ND		1	0.5	ug/L	1	04/08/22	EK	SW6010D	
Chromium	ND		1	1	ug/L	1	04/08/22	EK	SW6010D	
Copper	3	J	5	1	ug/L	1	04/08/22	EK	SW6010D	
Mercury	ND		0.2	0.15	ug/L	1	04/08/22	MGH	SW7470A	
Manganese	305		1	1	ug/L	1	04/08/22	EK	SW6010D	
Nickel	3		1	1	ug/L	1	04/08/22	EK	SW6010D	
Lead	ND		2	1	ug/L	1	04/08/22	EK	SW6010D	
Selenium	ND		10	10	ug/L	1	04/08/22	EK	SW6010D	
Trivalent Chromium	ND		0.001	0.001	mg/L	1	04/08/22		Calculation	
Zinc	3	J	4	2	ug/L	1	04/08/22	EK	SW6010D	
Chromium, Hexavalent	ND		0.01	0.01	mg/L	1	04/07/22 22:38	MW	SM3500CRB-11	
pH	7.44		1.00		pH Units	1	04/08/22 11:58	MW/EG	SM4500-H B-11	1
Total Cyanide	ND		0.010	0.005	mg/L	1	04/15/22	M/B/G	SW9010C/SW9012B	
Client MS/MSD	Completed						04/15/22			
Mercury Digestion	Completed						04/08/22	AB/AB	SW7470A	
Extraction for Herbicide	Completed						04/08/22	AE/D	SW8151A	
PCB Extraction (LDL)	Completed						04/11/22	B/N	SW3510C	
Extraction for Pest (LDL)	Completed						04/11/22	B/N	SW3510C	
Semi-Volatile Extraction	Completed						04/13/22	P/DW	SW3520C	
Total Metals Digestion	Completed						04/07/22	AG		
PFAS (21)	Completed						04/13/22	***	LCMSMS-ID	C

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-04

Phoenix I.D.: CL03191

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PFAS (21)										
1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND		2.05	1.24	ng/L	1	04/18/22	***	LCMSMS-ID	C
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND		2.05	1.36	ng/L	1	04/18/22	***	LCMSMS-ID	C
NEtFOSAA	ND		2.05	0.824	ng/L	1	04/18/22	***	LCMSMS-ID	C
NMeFOSAA	ND		2.05	0.664	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND		2.05	1.00	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		2.05	0.705	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-1-octanesulfonamide (FOSA)	ND		2.05	0.595	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorobutanesulfonic acid (PFBS)	7.21		2.05	0.244	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorodecanoic acid (PFDA)	ND		2.05	0.312	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorododecanoic acid (PFDoA)	ND		2.05	0.381	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroheptanoic acid (PFHpA)	2.43		2.05	0.231	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanesulfonic Acid (PFHxS)	1.53	J	2.05	0.386	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorohexanoic acid (PFHxA)	2.39		2.05	0.336	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoro-n-butanoic acid (PFBA)	4.08		2.05	0.418	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorononanoic acid (PFNA)	0.870	J	2.05	0.320	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanesulfonic Acid (PFOS)	12.3	F	2.05	0.517	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorooctanoic acid (PFOA)	14.5		2.05	0.242	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoropentanoic acid (PFPeA)	3.49		2.05	0.406	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotetradecanoic acid (PFTA)	ND		2.05	0.254	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluorotridecanoic acid (PFTrDA)	ND		2.05	0.336	ng/L	1	04/18/22	***	LCMSMS-ID	C
Perfluoroundecanoic acid (PFUnA)	ND		2.05	0.267	ng/L	1	04/18/22	***	LCMSMS-ID	C
QA/QC Surrogates										
% d5-NEtFOSA	74.0				%	1	04/18/22	***	27 - 126 %	C
% M2-6:2FTS	97.0				%	1	04/18/22	***	14 - 147 %	C
% M2-8:2FTS	75.0				%	1	04/18/22	***	10 - 162 %	C
% M2PFTeDA	74.0				%	1	04/18/22	***	22 - 136 %	C
% M3PFBS	97.0				%	1	04/18/22	***	70 - 131 %	C
% M3PFHxS	102				%	1	04/18/22	***	71 - 134 %	C
% M4PFHpA	84.0				%	1	04/18/22	***	60 - 129 %	C
% M5PFHxA	74.0				%	1	04/18/22	***	57 - 129 %	C
% M5PFPeA	96.0				%	1	04/18/22	***	62 - 163 %	C
% M6PFDA	81.0				%	1	04/18/22	***	62 - 124 %	C
% M8FOSA	13.0				%	1	04/18/22	***	10 - 112 %	C
% M8PFOA	90.0				%	1	04/18/22	***	62 - 129 %	C
% M8PFOS	97.0				%	1	04/18/22	***	69 - 131 %	C
% M9PFNA	83.0				%	1	04/18/22	***	59 - 139 %	C
% MPFBA	86.0				%	1	04/18/22	***	58 - 132 %	C
% MPFDoA	74.0				%	1	04/18/22	***	48 - 131 %	C
Chlorinated Herbicides										
2,4,5-T	ND		0.28	0.28	ug/L	1	04/12/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND		0.26	0.26	ug/L	1	04/12/22	JRB	SW8151A	
2,4-D	ND		0.56	0.56	ug/L	1	04/12/22	JRB	SW8151A	
2,4-DB	ND		5.6	5.6	ug/L	1	04/12/22	JRB	SW8151A	
Dalapon	ND		0.28	0.28	ug/L	1	04/12/22	JRB	SW8151A	
Dicamba	ND		0.28	0.28	ug/L	1	04/12/22	JRB	SW8151A	
Dichloroprop	ND		0.56	0.56	ug/L	1	04/12/22	JRB	SW8151A	
Dinoseb	ND		0.56	0.56	ug/L	1	04/12/22	JRB	SW8151A	

Project ID: VARIOUS PROPERTIES PEEKSKILL NY
Client ID: MW-04

Phoenix I.D.: CL03191

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
QA/QC Surrogates									
% DCAA	29			%	1	04/12/22	JRB	30 - 150 %	3
% DCAA (Confirmation)	49			%	1	04/12/22	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1221	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1232	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1242	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1248	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1254	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1260	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1262	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
PCB-1268	ND	0.052	0.052	ug/L	1	04/13/22	SC	SW8082A	
QA/QC Surrogates									
% DCBP	71			%	1	04/13/22	SC	30 - 150 %	
% DCBP (Confirmation)	67			%	1	04/13/22	SC	30 - 150 %	
% TCMX	80			%	1	04/13/22	SC	30 - 150 %	
% TCMX (Confirmation)	81			%	1	04/13/22	SC	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDE	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
4,4' -DDT	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
a-BHC	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Alachlor	ND	0.077	0.077	ug/L	1	04/12/22	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Chlordane	ND	0.021	0.021	ug/L	1	04/12/22	AW	SW8081B	
d-BHC	ND	0.026	0.026	ug/L	1	04/12/22	AW	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan I	ND	0.052	0.052	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan II	ND	0.052	0.052	ug/L	1	04/12/22	AW	SW8081B	
Endosulfan Sulfate	ND	0.052	0.052	ug/L	1	04/12/22	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Endrin Aldehyde	ND	0.052	0.052	ug/L	1	04/12/22	AW	SW8081B	
Endrin ketone	ND	0.052	0.052	ug/L	1	04/12/22	AW	SW8081B	
g-BHC (Lindane)	ND	0.026	0.026	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	04/12/22	AW	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	04/12/22	AW	SW8081B	
Toxaphene	ND	0.21	0.21	ug/L	1	04/12/22	AW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	57			%	1	04/12/22	AW	30 - 150 %	
%DCBP (Surrogate Rec) (Confirmation)	61			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec)	76			%	1	04/12/22	AW	30 - 150 %	
%TCMX (Surrogate Rec) (Confirmation)	82			%	1	04/12/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	

Ver 1

Project ID: VARIOUS PROPERTIES PEEKSKILL NY

Phoenix I.D.: CL03191

Client ID: MW-04

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/16/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
2-Hexanone	ND	5.0	2.5	ug/L	1	04/16/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	04/16/22	MH	SW8260C	
Acetone	ND	25	2.5	ug/L	1	04/16/22	MH	SW8260C	
Acrylonitrile	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/16/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/16/22	MH	SW8260C	
Bromoform	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Bromomethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Chlorobenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Chloroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Chloroform	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Chloromethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/16/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/16/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	0.25	ug/L	1	04/16/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	04/16/22	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Methylene chloride	ND	1.0	1.0	ug/L	1	04/16/22	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/16/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	2.5	ug/L	1	04/16/22	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Total Xylenes	ND	1.0	1.0	ug/L	1	04/16/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/16/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	2.5	ug/L	1	04/16/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/16/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	04/16/22	MH	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/16/22	MH	70 - 130 %	
% Dibromofluoromethane	94			%	1	04/16/22	MH	70 - 130 %	
% Toluene-d8	97			%	1	04/16/22	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	04/16/22	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.9	3.9	ug/L	1	04/16/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	5.6	1.7	ug/L	1	04/16/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	2.8	1.6	ug/L	1	04/16/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	5.6	1.7	ug/L	1	04/16/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	2.8	1.7	ug/L	1	04/16/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	2.8	1.7	ug/L	1	04/16/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.6	ug/L	1	04/16/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.8	ug/L	1	04/16/22	WB	SW8270D	
2-Chloronaphthalene	ND	5.6	1.6	ug/L	1	04/16/22	WB	SW8270D	
2-Chlorophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	
2-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D	
2-Nitrophenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	11	2.2	ug/L	1	04/16/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.6	ug/L	1	04/16/22	WB	SW8270D
3-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.6	1.6	ug/L	1	04/16/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D
4-Chloroaniline	ND	5.0	2.6	ug/L	1	04/16/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	1.1	1.0	ug/L	1	04/16/22	WB	SW8270D
4-Nitroaniline	ND	5.0	2.2	ug/L	1	04/16/22	WB	SW8270D
4-Nitrophenol	ND	1	1.1	ug/L	1	04/16/22	WB	SW8270D
Acetophenone	ND	5.6	1.7	ug/L	1	04/16/22	WB	SW8270D
Aniline	ND	5.0	3.9	ug/L	1	04/16/22	WB	SW8270D
Benzidine	ND	5.0	3.3	ug/L	1	04/16/22	WB	SW8270D
Benzoic acid	ND	50	11	ug/L	1	04/16/22	WB	SW8270D
Benzyl butyl phthalate	ND	5.6	1.4	ug/L	1	04/16/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.5	ug/L	1	04/16/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	1	04/16/22	WB	SW8270D
Carbazole	ND	5.6	4.2	ug/L	1	04/16/22	WB	SW8270D
Dibenzofuran	ND	5.0	1.6	ug/L	1	04/16/22	WB	SW8270D
Diethyl phthalate	ND	5.6	1.0	ug/L	1	04/16/22	WB	SW8270D
Dimethylphthalate	ND	5.6	1.7	ug/L	1	04/16/22	WB	SW8270D
Di-n-butylphthalate	ND	5.6	1.5	ug/L	1	04/16/22	WB	SW8270D
Di-n-octylphthalate	ND	5.6	1.4	ug/L	1	04/16/22	WB	SW8270D
Hexachloroethane	ND	1.1	1.1	ug/L	1	04/16/22	WB	SW8270D
Isophorone	ND	5.6	1.6	ug/L	1	04/16/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.6	1.8	ug/L	1	04/16/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.6	2.2	ug/L	1	04/16/22	WB	SW8270D
Pentachloronitrobenzene	ND	2.8	2.8	ug/L	1	04/16/22	WB	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	04/16/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	74			%	1	04/16/22	WB	15 - 110 %
% 2-Fluorobiphenyl	59			%	1	04/16/22	WB	30 - 130 %
% 2-Fluorophenol	47			%	1	04/16/22	WB	15 - 110 %
% Nitrobenzene-d5	59			%	1	04/16/22	WB	30 - 130 %
% Phenol-d5	53			%	1	04/16/22	WB	15 - 110 %
% Terphenyl-d14	70			%	1	04/16/22	WB	30 - 130 %
Semivolatiles (SIM)								
2-Methylnaphthalene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)
Acenaphthene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)
Acenaphthylene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)
Anthracene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)

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Project ID: VARIOUS PROPERTIES PEEKSKILL NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Fluoranthene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Fluorene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Naphthalene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	04/15/22	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Phenanthrene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyrene	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
Pyridine	ND	0.56	0.56	ug/L	1	04/15/22	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	74			%	1	04/15/22	WB	15 - 110 %	
% 2-Fluorobiphenyl	46			%	1	04/15/22	WB	30 - 130 %	
% 2-Fluorophenol	39			%	1	04/15/22	WB	15 - 110 %	
% Nitrobenzene-d5	56			%	1	04/15/22	WB	30 - 130 %	
% Phenol-d5	43			%	1	04/15/22	WB	15 - 110 %	
% Terphenyl-d14	66			%	1	04/15/22	WB	30 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	04/11/22	AW	SW8270DSIM	1,B
QA/QC Surrogates									
% 1,4-dioxane-d8	86			%	1	04/11/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/08/22	G/G		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
C = This parameter is subcontracted.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

*See attached

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

PFAS (21) (LCMSMS-ID), PFOA/PFOS - Water Extraction (LCMSMS-ID) were analyzed by NY certified lab #11627.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 28, 2022
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03162	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	95	30	50	50	ug/Kg
CL03162	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.46	0.03	0.81	0.81	mg/Kg
CL03162	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.46	0.03	0.81	0.81	mg/Kg
CL03162	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.46	0.03	0.18	0.18	mg/Kg
CL03162	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	118	0.37	63	63	mg/Kg
CL03163	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	69	26	50	50	ug/Kg
CL03163	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.91	0.03	0.81	0.81	mg/Kg
CL03163	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.91	0.03	0.81	0.81	mg/Kg
CL03163	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.91	0.03	0.18	0.18	mg/Kg
CL03164	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	55	31	50	50	ug/Kg
CL03164	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	270	800	800	ug/Kg
CL03164	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	270	1000	1000	ug/Kg
CL03164	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	270	500	500	ug/Kg
CL03164	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	270	500	500	ug/Kg
CL03164	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	270	500	500	ug/Kg
CL03164	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	12	2.3	3.3	3.3	ug/Kg
CL03164	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	2.15	0.35	2	2	mg/Kg
CL03164	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	62.3	0.7	50	50	mg/kg
CL03164	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.05	0.14	0.81	0.81	mg/Kg
CL03164	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.05	0.14	0.81	0.81	mg/Kg
CL03164	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.05	0.14	0.18	0.18	mg/Kg
CL03164	PB-SM	Lead	NY / 375-6.8 Metals / Residential	436	0.35	400	400	mg/Kg
CL03164	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	436	0.35	400	400	mg/Kg
CL03164	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	436	0.35	63	63	mg/Kg
CL03164	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	257	0.7	109	109	mg/Kg
CL03165	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
CL03166	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2900	280	1000	1000	ug/Kg

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03166	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	280	500	500	ug/Kg
CL03166	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2900	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	360	280	330	330	ug/Kg
CL03166	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2900	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3700	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	280	500	500	ug/Kg
CL03166	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	360	280	330	330	ug/Kg
CL03166	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	280	800	800	ug/Kg
CL03166	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	360	280	330	330	ug/Kg
CL03166	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	280	1000	1000	ug/Kg
CL03166	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	280	500	500	ug/Kg
CL03166	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	280	1000	1000	ug/Kg
CL03166	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
CL03166	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	226	0.42	63	63	mg/Kg
CL03166	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	201	0.8	109	109	mg/Kg
CL03168	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	15.2	0.76	13	13	mg/Kg
CL03168	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	91.9	0.38	63	63	mg/Kg
CL03170	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	4500	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	610	330	560	560	ug/Kg
CL03170	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4200	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4400	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4500	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	330	500	500	ug/Kg
CL03170	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	610	330	330	330	ug/Kg
CL03170	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4700	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3700	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	330	500	500	ug/Kg
CL03170	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	610	330	330	330	ug/Kg
CL03170	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	330	3900	3900	ug/Kg
CL03170	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4700	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4400	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4700	330	1000	1000	ug/Kg

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03170	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	610	330	330	330	ug/Kg
CL03170	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4400	330	1000	1000	ug/Kg
CL03170	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	330	500	500	ug/Kg
CL03170	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	330	800	800	ug/Kg
CL03170	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.04	0.18	0.18	mg/Kg
CL03170	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	233	0.43	63	63	mg/Kg
CL03170	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	246	0.9	109	109	mg/Kg
CL03172	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.48	0.03	0.18	0.18	mg/Kg
CL03172	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	210	0.44	63	63	mg/Kg
CL03172	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	212	0.9	109	109	mg/Kg
CL03173	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	54.0	0.75	16	16	mg/Kg
CL03173	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	54.0	0.75	16	16	mg/Kg
CL03173	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	54.0	0.75	16	16	mg/Kg
CL03173	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	54.0	0.75	13	13	mg/Kg
CL03173	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.7	0.38	30		mg/Kg
CL03173	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	1840	38	1600	1600	mg/Kg
CL03173	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	171	0.8	109	109	mg/Kg
CL03174	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	194	0.43	63	63	mg/Kg
CL03174	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	163	0.9	109	109	mg/Kg
CL03176	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	16.5	0.79	16	16	mg/Kg
CL03176	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	16.5	0.79	16	16	mg/Kg
CL03176	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	16.5	0.79	16	16	mg/Kg
CL03176	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	16.5	0.79	13	13	mg/Kg
CL03176	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.31	0.03	0.18	0.18	mg/Kg
CL03176	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	209	0.40	63	63	mg/Kg
CL03176	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	259	0.8	109	109	mg/Kg
CL03177	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	83.8	0.91	16	16	mg/Kg
CL03177	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	83.8	0.91	16	16	mg/Kg
CL03177	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	83.8	0.91	16	16	mg/Kg
CL03177	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	83.8	0.91	13	13	mg/Kg
CL03177	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	42.8	0.46	30		mg/Kg
CL03177	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	1800	4.6	1600	1600	mg/Kg
CL03177	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	37.9	0.46	30	30	mg/Kg
CL03177	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	163	0.46	63	63	mg/Kg
CL03178	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.68	0.03	0.18	0.18	mg/Kg

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03178	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	157	0.43	63	63	mg/Kg
CL03178	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	162	0.9	109	109	mg/Kg
CL03179	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	85	36	50	50	ug/Kg
CL03179	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	7900	280	5600	5600	ug/Kg
CL03179	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	8000	280	5600	5600	ug/Kg
CL03179	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7300	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1100	280	560	560	ug/Kg
CL03179	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	280	330	330	ug/Kg
CL03179	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4100	1400	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	6100	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7900	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	7300	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	8000	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4900	280	500	500	ug/Kg
CL03179	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7900	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7300	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	6100	280	3900	3900	ug/Kg
CL03179	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	1400	3900	3900	ug/Kg
CL03179	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	280	330	330	ug/Kg
CL03179	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4900	280	500	500	ug/Kg
CL03179	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	8000	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	1400	1000	1000	ug/Kg
CL03179	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4900	280	500	500	ug/Kg
CL03179	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	280	330	330	ug/Kg
CL03179	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7900	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8000	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7300	280	1000	1000	ug/Kg
CL03179	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6100	280	800	800	ug/Kg
CL03179	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.8	2.4	3.3	3.3	ug/Kg
CL03179	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	47	2.4	3.3	3.3	ug/Kg
CL03179	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.77	0.37	2.5	2.5	mg/Kg
CL03179	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.77	0.37	2.5	2.5	mg/Kg
CL03179	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	55.7	0.7	50	50	mg/kg
CL03179	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.83	0.03	0.81	0.81	mg/Kg
CL03179	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.83	0.03	0.81	0.81	mg/Kg
CL03179	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.83	0.03	0.18	0.18	mg/Kg
CL03179	PB-SM	Lead	NY / 375-6.8 Metals / Residential	536	0.37	400	400	mg/Kg
CL03179	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	536	0.37	400	400	mg/Kg
CL03179	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	536	0.37	63	63	mg/Kg
CL03179	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	462	7.3	109	109	mg/Kg

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03180	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	630	270	500	500	ug/Kg
CL03180	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	630	270	500	500	ug/Kg
CL03180	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	630	270	500	500	ug/Kg
CL03180	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.72	0.03	0.18	0.18	mg/Kg
CL03180	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	362	0.41	63	63	mg/Kg
CL03182	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	820	280	500	500	ug/Kg
CL03182	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	820	280	500	500	ug/Kg
CL03182	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	820	280	500	500	ug/Kg
CL03182	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.34	0.03	0.18	0.18	mg/Kg
CL03182	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	249	0.40	63	63	mg/Kg
CL03182	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	222	0.8	109	109	mg/Kg
CL03184	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03184	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03184	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03184	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03184	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03184	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
CL03185	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03185	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03185	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03185	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03185	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03185	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CL03186	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03186	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03186	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03186	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03186	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03186	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
CL03188	$8150_WMR	2,4,5-TP (Silvex)	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	2.4	0.26	0.26	ug/L
CL03188	$8150_WMR	2,4-D	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	4.7	4.4	4.4	ug/L
CL03188	$8150_WMR	2,4,5-TP (Silvex)	NY / TOGS - Water Quality / GA Criteria	ND	2.4	0.26	0.26	ug/L
CL03188	$8150_WMR	Dicamba	NY / TOGS - Water Quality / GA Criteria	ND	2.4	0.44	0.44	ug/L
CL03188	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03188	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03188	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03188	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03188	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03188	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CL03188	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	34	4	25	25	ug/L
CL03188	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	946	1	300	300	ug/L
CL03188	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	281	2	25	25	ug/L
CL03189	$8150_WMR	2,4-D	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	4.8	4.4	4.4	ug/L
CL03189	$8150_WMR	2,4,5-TP (Silvex)	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	2.4	0.26	0.26	ug/L

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03189	$8150_WMR	Dicamba	NY / TOGS - Water Quality / GA Criteria	ND	2.4	0.44	0.44	ug/L
CL03189	$8150_WMR	2,4,5-TP (Silvex)	NY / TOGS - Water Quality / GA Criteria	ND	2.4	0.26	0.26	ug/L
CL03189	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03189	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03189	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03189	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03189	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03189	$PEST_GAWR	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CL03189	$PEST_GAWR	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CL03189	$PEST_GAWR	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CL03189	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.99	0.06	0.06	ug/L
CL03189	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.010	0.004	0.004	ug/L
CL03189	$PEST_GAWR	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.099	0.05	0.05	ug/L
CL03189	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	80	4	25	25	ug/L
CL03189	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	1430	2	1000	1000	ug/L
CL03189	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	6	1	5	5	ug/L
CL03189	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	108	1	50	50	ug/L
CL03189	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	217	5	200	200	ug/L
CL03189	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	2650	10	300	300	ug/L
CL03189	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	523	2	25	25	ug/L
CL03189	SE-WM	Selenium	NY / TOGS - Water Quality / GA Criteria	17	10	10	10	ug/L
CL03190	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03190	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03190	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03191	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CL03191	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CL03191	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CL03191	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Thursday, April 28, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCL03162 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03191	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03191	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CL03191	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CL03191	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	305	1	300	300	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 28, 2022

SDG I.D.: GCL03162

The samples in this delivery group were received at 2.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☒ No ☐
Temp 2.1 °C Pg 1 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☒ Phone: 917-280-6364
☐ Fax:
☒ Email: rKampf@labellapc.com

Customer: LaBella Associates
Address: 45 Main Street, Suite 1018
Brooklyn, NY 11201

Project: Various properties in Peekskill, NY
Report to: Richard Kampf
Invoice to: appk@labellapc.com
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Sampler's Signature: _____ Date: 4/6/22

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: NYSDEC Full List Part 375

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYSDEC Full List Part 375	GL Amber 8 oz. w/H3PO4	Soil VOA Vials ☒ methanol ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1000ml [ ]
03162	SB-22 (0-2ft)	S	4/6/22	0940	X		3	1				
03163	SB-22 (2-4ft)	S		0950	X							
03164	SB-23 (0-2ft)	S		1015	X							
03165	SB-23 (2-4ft)	S		1025	X							
03166	SB-24 (0-2ft)	S		1150	X							
03167	SB-24 (5-7ft)	S		1200	X							
03168	SB-25 (0-2ft)	S		1225	X							
03169	SB-25 (5-7ft)	S		1235	X							
03170	SB-26 (0-2ft)	S		1425	X							
03171	SB-26 (2-4ft)	S		1435	X							
03172	SB-27 (0-2ft)	S		1450	X							

PL H2SO4 [ ] 250ml	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is

Relinquished by:	Accepted by:	Date:	Time:
Brennan Peters/LaBella		4/7/22	11:30
		4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
☒ Phoenix Std Report ☐ EQuIS
☒ Excel ☐ NJ Hazsite EDD
☒ PDF ☐ NY EZ EDD (ASP)
☐ GIS/Key ☐ Other

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

Data Package:
☐ NJ Reduced Deliv. * ☐ Other
☒ NY Enhanced (ASP B) *

NY
☐ TOGS GW
☐ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 2 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:
Project: Peekskill
Report to:
Invoice to:
QUOTE # :
Project P.O: 2226750

This section MUST be completed with Bottle Quantities.

Sampler's Signature
Date: 4/6/22

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	MS/BSD (Full List Cat B)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03173	SB-27 (2-4ft)	S	4/6/22	1455	X			3	1								
03174	SB-28 (0-2ft)	S		13:20	X												
03175	SB-28 (2-4ft)	S		1335	X												
03176	SB-29 (0-2ft)	S		1400	X												
03177	SB-29 (2-4ft)	S		1410	X												
03178	SB-30 (0-2ft)	S		1505	X												
03179	SB-30 (2-4ft)	S		1515	X												
03180	SB-31 (0-2ft)	S		1520	X												
03181	SB-31 (4-6ft)	S		1530	X												
03182	SB-32 (0-2ft)	S		1540	X												
03183	SB-32 (5-7ft)	S		1545	X												

Relinquished by:	Accepted by:	Date:	Time:
Brennan Fields / LaBella		4/7/22	11:30
		4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[X] NY Enhanced (ASP B) *

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected?
NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 3 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:
Project: Peekskill
Report to:
Invoice to:
QUOTE # :
Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature
Date: 4/6/22

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYSDEC Full List Part 375	1,4 Dioxane	PFCs	Part 375 VOCs	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (X) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [X] 500ml [ ] 1000ml	PL [illegible]	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03183	SB-32(5-7ft)_MS	S	4/6/22	1545	X				3	1										
	SB-32(5-7ft)_MSD	S		1545	X				2	1										
03184	MW-06	GW		1340	X	X	X		1				3	5	1	2	1	1		
03185	MW-07	GW		1605	X	X	X		1				3	5	1	2	1	1		
03186	EB-01	L		1545	X	X	X		1				3	5	1	2	1	1		
03187	FD-01(0-2ft)	S		XXX	X				3	3	1									
03188	MW-05	GW	4/7/22	0750	X	X	X		1				3	5	1	2	1	1		
03189	FD-02	GW	4/7/22	0820	X	X	X		1				3	5	1	2	1	1		
03190	Trip Blank	L	4/7/22	0830				X					2							
03191	MW-04	GW	4/7/22	0945	X	X	X		3				9	15	3	6	3	3		(1)

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields/LaBella		4/7/22	1130
		4/7/22	1405

Comments, Special Requirements or Regulations:
SB-32 : MS/MSD @ (5-7 ft)

(1) Please run MS/MSD on sample ID : MW-04

* 21 list for PFAs Per Branson Fields (LB)

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[X] NY Enhanced (ASP B) *

NY
[X] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[X] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected?
NY

Makrina Nolan

From:	Makrina Nolan
Sent:	Tuesday, April 12, 2022 4:06 PM
To:	rkampf@labellapc.com
Subject:	Peekskill, NY
Attachments:	GCL03162-COCaddednotes-1.pdf

Good Afternoon,

We received your samples, with regards to the attached chain. Unfortunately, samples “MW-06”, “MW-07”, and “EB-01” were received past hold or too close to hold for HexChrome and were analyzed past hold. These results will be reported to you past hold with a comment on the report to reflect this.

Feel free to reach out to me if you have any questions.

Thank you,

Makrina Nolan
Client Services –Project Manager
Drinking Water Specialist
Phoenix Environmental Labs
587 Middle Turnpike East
Manchester, CT
Direct Line: 860-645-3219
Website: www.phoenixlabs.com

ANALYTICAL REPORT

Lab Number:	L2218526
Client:	Phoenix Environmental Labs 587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040
ATTN:	Helen Geoghegan
Phone:	(860) 645-8726
Project Name:	GCL03162
Project Number:	GCL03162
Report Date:	04/26/22

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.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: GCL03162
Project Number: GCL03162

Lab Number: L2218526
Report Date: 04/26/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2218526-01	MW-06	WATER	NY	04/06/22 13:40	04/08/22
L2218526-02	MW-07	WATER	NY	04/06/22 16:05	04/08/22
L2218526-03	EB-01	WATER	NY	04/06/22 15:45	04/08/22
L2218526-04	MW-05	WATER	NY	04/06/22 07:50	04/08/22
L2218526-05	FD-02	WATER	NY	04/06/22 08:20	04/08/22
L2218526-06	MW-04	WATER	NY	04/06/22 09:45	04/08/22

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

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.

Sample Receipt

L2218526-01: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 13:40. At the client's request, the collection date/time is reported as 06-APR-22 13:40.

L2218526-02: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 16:05. At the client's request, the collection date/time is reported as 06-APR-22 16:05.

L2218526-03: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 15:45. At the client's request, the collection date/time is reported as 06-APR-22 15:45.

L2218526-04: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 07:50. At the client's request, the collection date/time is reported as 06-APR-22 07:50.

L2218526-05: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 08:20. At the client's request, the collection date/time is reported as 06-APR-22 08:20.

L2218526-06: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 09:45. At the client's request, the collection date/time is reported as 06-APR-22 09:45.

Perfluorinated Alkyl Acids by Isotope Dilution

L2218526-04 and -05: The sample was centrifuged and decanted prior to extraction due to sample matrix.

WG1626705-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

Case Narrative (continued)

analytes. Please refer to the surrogate section of the report for details.

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: Alycia Mogayzel

Title: Technical Director/Representative Date: 04/26/22

ORGANICS

SEMIVOLATILES

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-01
Client ID: MW-06
Sample Location: NY

Date Collected: 04/06/22 13:40
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/17/22 23:55
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.45		ng/l	1.90	0.388	1
Perfluoropentanoic Acid (PFPeA)	4.64		ng/l	1.90	0.376	1
Perfluorobutanesulfonic Acid (PFBS)	5.08		ng/l	1.90	0.226	1
Perfluorohexanoic Acid (PFHxA)	3.95		ng/l	1.90	0.312	1
Perfluoroheptanoic Acid (PFHpA)	3.12		ng/l	1.90	0.214	1
Perfluorohexanesulfonic Acid (PFHxS)	3.42		ng/l	1.90	0.357	1
Perfluorooctanoic Acid (PFOA)	13.8		ng/l	1.90	0.224	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.90	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.90	0.654	1
Perfluorononanoic Acid (PFNA)	0.756	J	ng/l	1.90	0.296	1
Perfluorooctanesulfonic Acid (PFOS)	17.6	F	ng/l	1.90	0.479	1
Perfluorodecanoic Acid (PFDA)	0.490	JF	ng/l	1.90	0.289	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.616	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.247	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.931	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.90	0.551	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.90	0.764	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.353	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.90	0.311	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.236	1
PFOA/PFOS, Total	31.4		ng/l	1.90	0.224	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-01 Date Collected: 04/06/22 13:40

Client ID: MW-06 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-02
Client ID: MW-07
Sample Location: NY

Date Collected: 04/06/22 16:05
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/18/22 00:11
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.68		ng/l	1.80	0.366	1
Perfluoropentanoic Acid (PFPeA)	13.3		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	4.51		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	7.57		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	3.96		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	1.62	J	ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	15.0		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.618	1
Perfluorononanoic Acid (PFNA)	1.27	J	ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	19.7	F	ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	0.453	J	ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.880	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.521	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.722	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	34.7		ng/l	1.80	0.212	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-02 Date Collected: 04/06/22 16:05

Client ID: MW-07 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-03
Client ID: EB-01
Sample Location: NY

Date Collected: 04/06/22 15:45
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/18/22 00:28
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.369	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.358	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.215	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.81	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.622	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.586	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.886	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.524	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.727	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.213	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-03 Date Collected: 04/06/22 15:45

Client ID: EB-01 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	68		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	102		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-04
Client ID: MW-05
Sample Location: NY

Date Collected: 04/06/22 07:50
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/18/22 00:44
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.91		ng/l	1.91	0.389	1
Perfluoropentanoic Acid (PFPeA)	5.18		ng/l	1.91	0.378	1
Perfluorobutanesulfonic Acid (PFBS)	7.34		ng/l	1.91	0.227	1
Perfluorohexanoic Acid (PFHxA)	3.89		ng/l	1.91	0.313	1
Perfluoroheptanoic Acid (PFHpA)	2.47		ng/l	1.91	0.215	1
Perfluorohexanesulfonic Acid (PFHxS)	2.41		ng/l	1.91	0.359	1
Perfluorooctanoic Acid (PFOA)	11.0		ng/l	1.91	0.225	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.91	1.27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.91	0.656	1
Perfluorononanoic Acid (PFNA)	0.794	J	ng/l	1.91	0.298	1
Perfluorooctanesulfonic Acid (PFOS)	14.5	F	ng/l	1.91	0.481	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.91	0.290	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.91	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.91	0.618	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.91	0.248	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.91	0.935	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.91	0.553	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.91	0.767	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.91	0.355	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.91	0.312	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.91	0.236	1
PFOA/PFOS, Total	25.5		ng/l	1.91	0.225	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-04 Date Collected: 04/06/22 07:50

Client ID: MW-05 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-05
Client ID: FD-02
Sample Location: NY

Date Collected: 04/06/22 08:20
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/18/22 01:01
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.16		ng/l	1.92	0.392	1
Perfluoropentanoic Acid (PFPeA)	5.68		ng/l	1.92	0.381	1
Perfluorobutanesulfonic Acid (PFBS)	7.12		ng/l	1.92	0.229	1
Perfluorohexanoic Acid (PFHxA)	4.74		ng/l	1.92	0.315	1
Perfluoroheptanoic Acid (PFHpA)	3.06		ng/l	1.92	0.216	1
Perfluorohexanesulfonic Acid (PFHxS)	2.33		ng/l	1.92	0.361	1
Perfluorooctanoic Acid (PFOA)	11.9		ng/l	1.92	0.227	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.661	1
Perfluorononanoic Acid (PFNA)	0.888	J	ng/l	1.92	0.300	1
Perfluorooctanesulfonic Acid (PFOS)	14.9	F	ng/l	1.92	0.484	1
Perfluorodecanoic Acid (PFDA)	0.300	JF	ng/l	1.92	0.292	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.623	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.250	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.942	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.558	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.773	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.358	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.314	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.238	1
PFOA/PFOS, Total	26.8		ng/l	1.92	0.227	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-05 Date Collected: 04/06/22 08:20

Client ID: FD-02 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-06
Client ID: MW-04
Sample Location: NY

Date Collected: 04/06/22 09:45
Date Received: 04/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/18/22 01:17
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.08		ng/l	2.05	0.418	1
Perfluoropentanoic Acid (PFPeA)	3.49		ng/l	2.05	0.406	1
Perfluorobutanesulfonic Acid (PFBS)	7.21		ng/l	2.05	0.244	1
Perfluorohexanoic Acid (PFHxA)	2.39		ng/l	2.05	0.336	1
Perfluoroheptanoic Acid (PFHpA)	2.43		ng/l	2.05	0.231	1
Perfluorohexanesulfonic Acid (PFHxS)	1.53	J	ng/l	2.05	0.386	1
Perfluorooctanoic Acid (PFOA)	14.5		ng/l	2.05	0.242	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.05	1.36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.05	0.705	1
Perfluorononanoic Acid (PFNA)	0.870	J	ng/l	2.05	0.320	1
Perfluorooctanesulfonic Acid (PFOS)	12.3	F	ng/l	2.05	0.517	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.05	0.312	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.05	1.24	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.05	0.664	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.05	0.267	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.05	1.00	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.05	0.595	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.05	0.824	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.05	0.381	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.05	0.336	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.05	0.254	1
PFOA/PFOS, Total	26.8		ng/l	2.05	0.242	1

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

SAMPLE RESULTS

Lab ID: L2218526-06 Date Collected: 04/06/22 09:45

Client ID: MW-04 Date Received: 04/08/22

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/17/22 19:13
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1626705-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: GCL03162 **Lab Number:** L2218526

Project Number: GCL03162 **Report Date:** 04/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/17/22 19:13
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/13/22 15:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1626705-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: GCL03162
Project Number: GCL03162

Lab Number: L2218526
Report Date: 04/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1626705-2								
Perfluorobutanoic Acid (PFBA)	86		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	90		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	88		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	87		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	86		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	89		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	87		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	83		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	85		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	83		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	76		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	91		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	81		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	80		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	84		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	85		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	78		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	90		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GCL03162
Project Number: GCL03162
Lab Number: L2218526
Report Date: 04/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1626705-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	99				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109				22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: GCL03162
Project Number: GCL03162
Lab Number: L2218526
Report Date: 04/26/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1626705-3 WG1626705-4 QC Sample: L2218526-06 Client ID: MW-04												
Perfluorobutanoic Acid (PFBA)	4.08	41.8	38.5	82		34.8	75		67-148	10		30
Perfluoropentanoic Acid (PFPeA)	3.49	41.8	40.4	88		36.4	80		63-161	10		30
Perfluorobutanesulfonic Acid (PFBS)	7.21	37.2	38.4	84		35.4	78		65-157	8		30
Perfluorohexanoic Acid (PFHxA)	2.39	41.8	38.2	86		34.4	78		69-168	10		30
Perfluoroheptanoic Acid (PFHpA)	2.43	41.8	37.2	83		33.9	77		58-159	9		30
Perfluorohexanesulfonic Acid (PFHxS)	1.53J	38.2	33.5	84		30.7	78		69-177	9		30
Perfluorooctanoic Acid (PFOA)	14.5	41.8	49.0	82		43.7	71		63-159	11		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	39.8	35.4	89		32.2	83		49-187	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	39.9	34.9	87		31.7	81		61-179	10		30
Perfluorononanoic Acid (PFNA)	0.870J	41.8	36.3	85		33.0	79		68-171	10		30
Perfluorooctanesulfonic Acid (PFOS)	12.3F	38.8	46.6F	88		43.5F	82		52-151	7		30
Perfluorodecanoic Acid (PFDA)	ND	41.8	36.5	87		31.9	78		63-171	13		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	40.2	35.5	88		35.7	91		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	41.8	31.4	75		29.8	73		60-166	5		30
Perfluoroundecanoic Acid (PFUnA)	ND	41.8	38.1	91		33.2	81		60-153	14		30
Perfluorodecanesulfonic Acid (PFDS)	ND	40.4	31.1	77		29.0	73		38-156	7		30
Perfluorooctanesulfonamide (FOSA)	ND	41.8	34.6F	83		30.4F	74		46-170	13		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	41.8	35.0	84		33.6	82		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	ND	41.8	33.9	81		33.8	83		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	ND	41.8	34.5	82		31.0	76		48-158	11		30
Perfluorotetradecanoic Acid (PFTA)	ND	41.8	37.4	89		33.0	81		59-182	13		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GCL03162
Project Number: GCL03162
Lab Number: L2218526
Report Date: 04/26/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1626705-3 WG1626705-4 QC Sample: L2218526-06 Client ID: MW-04												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89		89		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		111		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		83		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		93		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		86		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		89		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		81		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		112		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		92		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		107		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		**7**	Q	10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		107		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		97		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		90		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		106		70-131

Project Name: GCL03162
Project Number: GCL03162

Lab Number: L2218526
Report Date: 04/26/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2218526-01A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-01B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-02A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-02B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-03A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-03B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-04A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-04B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-05A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-05B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-06A	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-06A1	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-06B	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2218526-06B1	Plastic 250ml unpreserved	A	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: GCL03162
Project Number: GCL03162

Lab Number: L2218526
Report Date: 04/26/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	GCL03162	**Lab Number:**	L2218526
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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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

Footnotes

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, Dibenz(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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: 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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

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

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

Data Qualifiers

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.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	GCL03162	**Lab Number:**	L2218526
Project Number:	GCL03162	**Report Date:**	04/26/22

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

4/9/22 L2218526

Cooler: Yes ☐ No ☐ Coolant: IPK ☐ ICE ☐ No ☐ Temp °C Pg of

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Page 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax: 860-645-0823
☐ Phone: 800-827-5426
☐ Email: HelenG@PhoenixLabs.com

Customer: Alpha Analytical
Address: 8 Walkup Dr
Westborough, MA
(508) 898-9220

Project #: GCL03162
Report to: HelenG@PhoenixLabs.com / Helen Geoghegan
Invoice to: AccountsPayable@PhoenixLabs.com
Quote# :

Project P.O: GCL03162

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

	Phoenix Sample ID	Sample Matrix	Date Sampled	Time Sampled	PFAS (21) E537 modified	Client MS/MSD	250ml HDPE Plastic As Is
-01	MW-06	GW	4/6/2022	9:40 AM	x		2
-02	MW-07	GW	4/6/2022	9:40 AM	x		2
-03	EB-01	GW	4/6/2022	9:40 AM	x		2
-04	MW-05	GW	4/6/2022	9:40 AM	x		2
-05	FD-02	GW	4/6/2022	9:40 AM	x		2
-06	MW-04	GW	4/6/2022	9:40 AM	x	x	2

Relinquished by:	Accepted by:	Date:	Time:
Kelly Bouley		4-8-22	1530
Kelly Emile		4/8/22	1718
Melissa Wood	Joseph L. Bezrich	4/9/22	0000
Joseph L. Bezrich		4/9/22	0142

Comments, Special Requirements or Regulations:

AIC1 4/9/22 0142

Please send notice as soon as possible not exceeding 24 hours of obtaining valid data, of the results of all drinking water samples that exceed any EPA or Department-established maximum contaminant level, maximum residual disinfectant level or reportable concentration.

Please notify Phoenix Environmental Laboratories, Inc. immediately and prior to conducting analysis if certification is not held for the analyses requested.

Turnaround:
☐ 1 Day
☐ 2 Days
☐ 3 Days
☐ 5 Days
☐ 10 Days
☒ Standard
☐ Other_____

What State were samples collected?
NY

Report Type:
☒ Standard PDF
☐ Full Data Package
☐ NJ Reduced Deliverable
☐ NJ Full Deliverable
☒ NY ASP B

EDD Format:
☐ Excel
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other:_____

State Criteria:
NY: 375 Commercial
NY: 375 Residential
NY: 375 Residential Restricted
NY: 375 Unrestricted
NY: TAGM/TOGS GW

Invoice

Invoice #:	**997767**
Invoice Date:	**04/26/22**

From: **Phoenix Environmental Laboratories, Inc**
587 E. Middle Turnpike, Box 370
Manchester, CT 06045-0370
(860) 558-0726 Fax (860) 645-0823

Cust Code:	**LABELLA-**
Cust Id:	**BRKLYN**
Quote #:	**LABELLA**
Page:	

To: **Attn: Accounts Payable**
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Submittal Date:	**04/07/22**	**Project Manager:**	**Richard Kampf**
Purchase Order #:	**2220750**		
Turnaround Time:			
Lab SDG:	**GCL03162**		
Project ID:	**VARIOUS PROPERTIES PEEKSKILL NY**		
Client ID:	**SB-22 (0-2FT), SB-22 (2-4FT), SB-23 (0-2FT), SB-23 (2-4FT), SB-24 (0-2FT), SB-24 (5-7FT), SB-25 (0-2FT), SB-25 (5-7FT), SB-26 (0-2FT), SB-26 (2-4FT), SB-27 (0-2FT), SB-27 (2-4FT), SB-28 (0-2FT), SB-28 (2-4FT), SB-29 (0-2FT), SB-29 (2-4FT), SB-30 (0-2FT), SB-30 (2-4FT), SB-31 (0-2FT), SB-31 (4-6FT), SB-32 (0-2FT), SB-32 (5-7FT), MW-06, MW-07, EB-01, FD-01 (0-2FT), MW-05, FD-02, MW-04**		

The following charges are due for the indicated samples(s) which were submitted to this laboratory.

Description	Qty	Unit Price	Total Price
Part 375+MSMD	31	$650.00	$20,150.00
1,4-dioxane	6	$70.00	$420.00
Sample Disposal	31	$1.50	$46.50
PFAS (21)+MSMSD	8	$275.00	$2,200.00
ASP B Data Package	1	$2,281.60	$2,281.60
		Sub Total	$25,098.10
		Invoice Total	**$25,098.10**

Remit To:
Phoenix Environmental Laboratories, Inc
Box 370
Manchester, CT 06045-0370
FID#: 06-1240980

ACH (Updated Oct 2018):
Sylena Edlund
accountsreceivable@phoenixlabs.com
(860) 647-1785

Invoice Inquiries:
Sarah Bell
sarah@phoenixlabs.com
(860) 558-0726

For each ACH transfer please note invoices to be paid and email accounts receivable at accountsreceivable@phoenixlabs.com

Interest at 1.5% per month charged to accounts due over 30 days. Collection expenses incurred will be charged.

E

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☒ No ☐
Temp 2.1 °C Pg 1 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☒ Phone: 917-280-6364
☐ Fax:
☒ Email: rKampf@labellapc.com

Customer: LaBella Associates
Address: 45 Main Street, Suite 1018
Brooklyn, NY 11201

Project: Various properties in Peekskill, NY
Report to: Richard Kampf
Invoice to: appk@labellapc.com
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Sampler's Signature: _____ Date: 4/6/22

Client Sample - Information - Identification

Analysis Request: NYSDEC Full List Part 375

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYSDEC Full List Part 375	GL Amber 8 oz. w/H3PO4	Soil VOA Vials ☒ methanol ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml [ ] 1000ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
031162	SB-22 (0-2ft)	S	4/6/22	0940	X			3	1								
031163	SB-22 (2-4ft)	S		0950	X												
031164	SB-23 (0-2ft)	S		1015	X												
031165	SB-23 (2-4ft)	S		1025	X												
031166	SB-24 (0-2ft)	S		1150	X												
031167	SB-24 (5-7ft)	S		1200	X												
031168	SB-25 (0-2ft)	S		1225	X												
031169	SB-25 (5-7ft)	S		1235	X												
03170	SB-26 (0-2ft)	S		1425	X												
03171	SB-26 (2-4ft)	S		1435	X												
03172	SB-27 (0-2ft)	S		1450	X												

Relinquished by:	Accepted by:	Date:	Time:
Brennan Peters/LaBella		4/7/22	11:30
		4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
☒ Phoenix Std Report ☐ EQuIS
☒ Excel ☐ NJ Hazsite EDD
☒ PDF ☐ NY EZ EDD (ASP)
☐ GIS/Key ☐ Other

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

Data Package:
☐ NJ Reduced Deliv. * ☐ Other
☒ NY Enhanced (ASP B) *

NY
☐ TOGS GW
☐ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 2 of 3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:
Project: Peekskill
Report to:
Invoice to:
QUOTE # :
Project P.O: 2226750

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 4/6/22

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	MS/MSD (Full List Part 375)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03173	SB-27 (2-4ft)	S	4/6/22	1455	X			3	1								
03174	SB-28 (0-2ft)	S		13:20	X												
03175	SB-28 (2-4ft)	S		1335	X												
03176	SB-29 (0-2ft)	S		1400	X												
03177	SB-29 (2-4ft)	S		1410	X												
03178	SB-30 (0-2ft)	S		1505	X												
03179	SB-30 (2-4ft)	S		1515	X												
03180	SB-31 (0-2ft)	S		1520	X												
03181	SB-31 (4-6ft)	S		1530	X												
03182	SB-32 (0-2ft)	S		1540	X												
03183	SB-32 (5-7ft)	S		1545	X												

Relinquished by:	Accepted by:	Date:	Time:
Brennan Fields / LaBella	[signature]	4/7/22	11:30
	[signature]	4/7/22	1405

Comments, Special Requirements or Regulations:

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. * [ ] Other
[X] NY Enhanced (ASP B) *

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2.1 °C Pg 3 of 3

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: LaBella Associates
Address:
Project: Peekskill
Report to:
Invoice to:
QUOTE # :
Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature
Date: 4/6/22

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: NYSDEC Full List Part 375 + 1,4 Dioxane + PFCs Per 375 VOCs

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ]methanol [X] H2O	GL Soil container (X) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [X] 500ml [ ] 1000ml	PL [illegible] 250ml [X] 500ml [ ] 1000ml	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
03183	SB-32(5-7ft)_MS	S	4/6/22	1545	X					3	1					
	SB-32(5-7ft)_MSD	S		1545	X					2	1					
03184	MW-06	GW		1340	X	X	X			1			3	5	1	2	1	1		
03185	MW-07	GW		1605	X	X	X			1			3	5	1	2	1	1		
03186	EB-01	L		1545	X	X	X			1			3	5	1	2	1	1		
03187	FD-01(0-2ft)	S		XXX	X					3	3	1								
03188	MW-05	GW	4/7/22	0750	X	X	X			1			3	5	1	2	1	1		
03189	FD-02	GW	4/7/22	0820	X	X	X			1			3	5	1	2	1	1		
03190	Trip Blank	L	4/7/22	0830				X					2							
03191	MW-04	GW	4/7/22	0945	X	X	X			3			9	15	3	6	3	3		(1)

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields/LaBella		4/7/22	1130
		4/7/22	1405

Comments, Special Requirements or Regulations:
SB-32 : MS/MSD @ (5-7 ft)

(1) Please run MS/MSD on sample ID : MW-04

* 21 list for PFAs Per Branson Fields (LB)

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[X] NY Enhanced (ASP B) *

NY
[X] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[X] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Makrina Nolan

From:	Makrina Nolan
Sent:	Tuesday, April 12, 2022 4:06 PM
To:	rkampf@labellapc.com
Subject:	Peekskill, NY
Attachments:	GCL03162-COCaddednotes-1.pdf

Good Afternoon,

We received your samples, with regards to the attached chain. Unfortunately, samples “MW-06”, “MW-07”, and “EB-01” were received past hold or too close to hold for HexChrome and were analyzed past hold. These results will be reported to you past hold with a comment on the report to reflect this.

Feel free to reach out to me if you have any questions.

Thank you,

Makrina Nolan
Client Services –Project Manager
Drinking Water Specialist
Phoenix Environmental Labs
587 Middle Turnpike East
Manchester, CT
Direct Line: 860-645-3219
Website: www.phoenixlabs.com

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2218526

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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Project Name: GCL03162
Project Number: GCL03162

Lab Number: L2218526
Report Date: 04/26/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2218526-01	MW-06	WATER	NY	04/06/22 13:40	04/08/22
L2218526-02	MW-07	WATER	NY	04/06/22 16:05	04/08/22
L2218526-03	EB-01	WATER	NY	04/06/22 15:45	04/08/22
L2218526-04	MW-05	WATER	NY	04/06/22 07:50	04/08/22
L2218526-05	FD-02	WATER	NY	04/06/22 08:20	04/08/22
L2218526-06	MW-04	WATER	NY	04/06/22 09:45	04/08/22

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.

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.

Sample Receipt

L2218526-01: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 13:40. At the client's request, the collection date/time is reported as 06-APR-22 13:40.

L2218526-02: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 16:05. At the client's request, the collection date/time is reported as 06-APR-22 16:05.

L2218526-03: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 06-APR-22 15:45. At the client's request, the collection date/time is reported as 06-APR-22 15:45.

L2218526-04: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 07:50. At the client's request, the collection date/time is reported as 06-APR-22 07:50.

L2218526-05: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 08:20. At the client's request, the collection date/time is reported as 06-APR-22 08:20.

L2218526-06: The collection date and time on the chain of custody was 06-APR-22 09:40; however, the collection date/time on the container label was 07-APR-22 09:45. At the client's request, the collection date/time is reported as 06-APR-22 09:45.

Perfluorinated Alkyl Acids by Isotope Dilution

L2218526-04 and -05: The sample was centrifuged and decanted prior to extraction due to sample matrix.

WG1626705-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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: 04/26/22

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Footnotes

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, Dibenz(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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: 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.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

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.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	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	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	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 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
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 : L2218526

Account Name : Phoenix Environmental Labs
Project Number : GCL03162
Project Name : GCL03162

Received : 08-APR-2022
Reviewer : Andrew Kussmaul

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.6	

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? **YES**
L2218526-02: 06-APR-22 09:40 vs. 06-APR-22 13:40
L2218526-01: 06-APR-22 09:40 vs. 06-APR-22 16:05
L2218526-03: 06-APR-22 09:40 vs. 06-APR-22 15:45
L2218526-04: 06-APR-22 09:40 vs. 07-APR-22 07:50
L2218526-05: 06-APR-22 09:40 vs. 07-APR-22 08:20
L2218526-06: 06-APR-22 09:40 vs. 07-APR-22 09:45

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
Apr 26 2022, 12:32 pm

Login Number: L2218526
Account: PHOENIX Phoenix Environmental LabsProject: GCL03162
Received: 08APR22 Due Date: 29APR22

Sample #	Client ID	Mat	PR	Collected
L2218526-01	MW-06	1	S0	06APR22 13:40

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email ASP-B Package Due Date: 04/29/22

A2-NY-537-ISOTOPE,ASP-B,DISPOSAL

Sample #	Client ID	Mat	PR	Collected
L2218526-02	MW-07	1	S0	06APR22 16:05

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email Package Due Date: 04/29/22

A2-NY-537-ISOTOPE,DISPOSAL

Sample #	Client ID	Mat	PR	Collected
L2218526-03	EB-01	1	S0	06APR22 15:45

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email Package Due Date: 04/29/22

A2-NY-537-ISOTOPE,DISPOSAL

Sample #	Client ID	Mat	PR	Collected
L2218526-04	MW-05	1	S0	06APR22 07:50

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email Package Due Date: 04/29/22

A2-NY-537-ISOTOPE,DISPOSAL

Sample #	Client ID	Mat	PR	Collected
L2218526-05	FD-02	1	S0	06APR22 08:20

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email Package Due Date: 04/29/22

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 26 2022, 12:32 pm

Login Number: L2218526

Account: PHOENIX Phoenix Environmental LabsProject: GCL03162

Received: 08APR22 Due Date: 29APR22

Sample #	Client ID	Mat	PR	Collected
A2-NY-537-ISOTOPE,DISPOSAL				
L2218526-06	MW-04		1	S0 06APR22 09:45

537: IF "A2-537.1" is logged, notify PM if summation of PFAS 5 (PFOA,PFOS,PFNA,PFHxS,PFHpA) exceed 70ppt ASAP 537: IF "A2-MA-537.1" is logged, notify PM if summation of MA6 (PFHpA, PFHxS, PFOA, PFNA, PFDA, PFOS) exceeds 20ppt and include summation value in email L2218526-06 MS L2218526-06 MSD Package Due Date: 04/29/22

A2-NY-537-ISOTOPE,DISPOSAL,MS/MSD

Logged By: Michael Chang

4/9/22 L2218526

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Page 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp °C Pg of

Contact Options:
☐ Fax: 860-645-0823
☐ Phone: 800-827-5426
☐ Email: HelenG@PhoenixLabs.com

Customer: Alpha Analytical
Address: 8 Walkup Dr
Westborough, MA
(508) 898-9220

Project #: GCL03162
Report to: HelenG@PhoenixLabs.com / Helen Geoghegan
Invoice to: AccountsPayable@PhoenixLabs.com
Quote# :

Project P.O: GCL03162

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

	Phoenix Sample ID	Sample Matrix	Date Sampled	Time Sampled	PFAS (21) E537 modified	Client MS/MSD	250ml HDPE Plastic As Is
-01	MW-06	GW	4/6/2022	9:40 AM	x		2
-02	MW-07	GW	4/6/2022	9:40 AM	x		2
-03	EB-01	GW	4/6/2022	9:40 AM	x		2
-04	MW-05	GW	4/6/2022	9:40 AM	x		2
-05	FD-02	GW	4/6/2022	9:40 AM	x		2
-06	MW-04	GW	4/6/2022	9:40 AM	x	x	2

Relinquished by:	Accepted by:	Date:	Time:
Kelly Boudreau	[signature]	4-8-22	1530
Kelly Smith	[signature]	4/8/22	1718
Melissa Wood	Joseph C. Bzyski	4/9/22	0000
Joseph C. Bzyski	[signature]	4/9/22	0142
afc1	[signature]	4/9/22	0142

Comments, Special Requirements or Regulations:

Please send notice as soon as possible not exceeding 24 hours of obtaining valid data, of the results of all drinking water samples that exceed any EPA or Department-established maximum contaminant level, maximum residual disinfectant level or reportable concentration.

Please notify Phoenix Environmental Laboratories, Inc. immediately and prior to conducting analysis if certification is not held for the analyses requested.

Turnaround:
☐ 1 Day
☐ 2 Days
☐ 3 Days
☐ 5 Days
☐ 10 Days
☒ Standard
☐ Other _____

Report Type:
☒ Standard PDF
☐ Full Data Package
☐ NJ Reduced Deliverable
☐ NJ Full Deliverable
☒ NY ASP B

What State were samples collected?
NY

EDD Format:
☐ Excel
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other: _____

State Criteria:
NY: 375 Commercial
NY: 375 Residential
NY: 375 Residential Restricted
NY: 375 Unrestricted
NY: TAGM/TOGS GW

Organics

PFAAs

Semivolatiles QC Summary

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Phoenix Environmental Labs
Project Name: GCL03162

Lab Number: L2218526
Project Number: GCL03162
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-06 (L2218526-01)	79	79	93	68	81	95	85
MW-07 (L2218526-02)	88	99	102	76	85	101	90
EB-01 (L2218526-03)	103	118	103	96	101	100	107
MW-05 (L2218526-04)	83	88	96	72	83	103	91
FD-02 (L2218526-05)	89	96	95	74	86	100	92
MW-04 (L2218526-06)	86	96	97	74	84	102	90
WG1626705-1BLANK	103	113	105	101	102	106	108
WG1626705-2LCS	102	112	105	99	99	102	104
MW-04MS	85	96	96	71	80	102	85
MW-04MSD	95	107	106	81	92	112	97

QC LIMITS

(58-132) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(62-163) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(70-131) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(57-129) S4 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(60-129) S5 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(71-134) S6 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)
(71-134) S7 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)

*** Values outside of QC limits**

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Phoenix Environmental Labs
Project Name: GCL03162

Lab Number: L2218526
Project Number: GCL03162
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-06 (L2218526-01)	110	79	95	80	78	66	77
MW-07 (L2218526-02)	103	86	99	85	87	73	78
EB-01 (L2218526-03)	72	102	97	98	68	102	92
MW-05 (L2218526-04)	112	89	97	80	78	62	70
FD-02 (L2218526-05)	103	86	94	84	76	68	75
MW-04 (L2218526-06)	97	83	97	81	75	77	79
WG1626705-1BLANK	96	106	107	104	92	82	101
WG1626705-2LCS	99	105	104	106	99	85	99
MW-04MS	99	80	96	78	89	80	75
MW-04MSD	111	90	107	89	89	93	86

QC LIMITS

(14-147) S8 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(59-139) S9 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(69-131) S10 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(62-124) S11 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(10-162) S12 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(24-116) S13 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)
(24-116) S14 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)

*** Values outside of QC limits**

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Phoenix Environmental Labs
Project Name: GCL03162

Lab Number: L2218526
Project Number: GCL03162
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
MW-06 (L2218526-01)	12	58	71	80	--	--	--	0
MW-07 (L2218526-02)	18	63	73	80	--	--	--	0
EB-01 (L2218526-03)	19	88	88	92	--	--	--	0
MW-05 (L2218526-04)	12	53	56	63	--	--	--	0
FD-02 (L2218526-05)	13	55	65	65	--	--	--	0
MW-04 (L2218526-06)	13	74	74	74	--	--	--	0
WG1626705-1BLANK	40	83	94	103	--	--	--	0
WG1626705-2LCS	44	86	97	109	--	--	--	0
MW-04MS	16	73	77	79	--	--	--	0
MW-04MSD	7*	83	81	92	--	--	--	1

QC LIMITS

(10-112) S15 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(27-126) S16 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(48-131) S17 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(22-136) S18 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Matrix	: WATER		
LCS Sample ID	: WG1626705-2	**Analysis Date** : 04/17/22 19:30	**File ID** : I59008
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	40	34.4	86				-	67-148	30
Perfluoropentanoic Acid (PFPeA)	40	36.1	90				-	63-161	30
Perfluorobutanesulfonic Acid (PFBS)	35.5	31.4	88				-	65-157	30
Perfluorohexanoic Acid (PFHxA)	40	34.8	87				-	69-168	30
Perfluoroheptanoic Acid (PFHpA)	40	34.6	86				-	58-159	30
Perfluorohexanesulfonic Acid (PFHxS)	36.6	32.7	89				-	69-177	30
Perfluorooctanoic Acid (PFOA)	40	34.7	87				-	63-159	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	38.1	31.7	83				-	49-187	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.2	32.0	84				-	61-179	30
Perfluorononanoic Acid (PFNA)	40	33.9	85				-	68-171	30
Perfluorooctanesulfonic Acid (PFOS)	37.1	35.3	95				-	52-151	30
Perfluorodecanoic Acid (PFDA)	40	33.2	83				-	63-171	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	38.4	40.6	106				-	56-173	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Matrix	: WATER		
LCS Sample ID	: WG1626705-2	**Analysis Date** : 04/17/22 19:30	**File ID** : I59008
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	40	30.4	76				-	60-166	30
Perfluoroundecanoic Acid (PFUnA)	40	36.6	91				-	60-153	30
Perfluorodecanesulfonic Acid (PFDS)	38.6	31.3	81				-	38-156	30
Perfluorooctanesulfonamide (FOSA)	40	31.9	80				-	46-170	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	40	33.4	84				-	45-170	30
Perfluorododecanoic Acid (PFDoA)	40	33.9	85				-	67-153	30
Perfluorotridecanoic Acid (PFTrDA)	40	31.3	78				-	48-158	30
Perfluorotetradecanoic Acid (PFTA)	40	36.1	90				-	59-182	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Client Sample ID	: MW-04	**Matrix**	: WATER
Lab Sample ID	: L2218526-06	**Analysis Date**	: 04/18/22 01:17
Matrix Spike	: WG1626705-3	**MS Analysis Date**	: 04/18/22 01:34
Matrix Spike Dup	: WG1626705-4	**MSD Analysis Date**	: 04/18/22 01:51

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	4.08	41.8	38.5	82	40.9	34.8	75	10	67-148	30
Perfluoropentanoic Acid (PFPeA)	3.49	41.8	40.4	88	40.9	36.4	80	10	63-161	30
Perfluorobutanesulfonic Acid (PFBS)	7.21	37.2	38.4	84	36.3	35.4	78	8	65-157	30
Perfluorohexanoic Acid (PFHxA)	2.39	41.8	38.2	86	40.9	34.4	78	10	69-168	30
Perfluoroheptanoic Acid (PFHpA)	2.43	41.8	37.2	83	40.9	33.9	77	9	58-159	30
Perfluorohexanesulfonic Acid (PFHxS)	1.53J	38.2	33.5	84	37.4	30.7	78	9	69-177	30
Perfluorooctanoic Acid (PFOA)	14.5	41.8	49.0	82	40.9	43.7	71	11	63-159	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	39.8	35.4	89	38.9	32.2	83	9	49-187	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	39.9	34.9	87	39	31.7	81	10	61-179	30
Perfluorononanoic Acid (PFNA)	0.870J	41.8	36.3	85	40.9	33.0	79	10	68-171	30
Perfluorooctanesulfonic Acid (PFOS)	12.3F	38.8	46.6F	88	38	43.5F	82	7	52-151	30
Perfluorodecanoic Acid (PFDA)	ND	41.8	36.5	87	40.9	31.9	78	13	63-171	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	40.2	35.5	88	39.3	35.7	91	1	56-173	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	41.8	31.4	75	40.9	29.8	73	5	60-166	30
Perfluoroundecanoic Acid (PFUnA)	ND	41.8	38.1	91	40.9	33.2	81	14	60-153	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Client Sample ID	: MW-04	**Matrix**	: WATER
Lab Sample ID	: L2218526-06	**Analysis Date**	: 04/18/22 01:17
Matrix Spike	: WG1626705-3	**MS Analysis Date**	: 04/18/22 01:34
Matrix Spike Dup	: WG1626705-4	**MSD Analysis Date**	: 04/18/22 01:51

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorodecanesulfonic Acid (PFDS)	ND	40.4	31.1	77	39.5	29.0	73	7	38-156	30
Perfluorooctanesulfonamide (FOSA)	ND	41.8	34.6F	83	40.9	30.4F	74	13	46-170	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	41.8	35.0	84	40.9	33.6	82	4	45-170	30
Perfluorododecanoic Acid (PFDoA)	ND	41.8	33.9	81	40.9	33.8	83	0	67-153	30
Perfluorotridecanoic Acid (PFTrDA)	ND	41.8	34.5	82	40.9	31.0	76	11	48-158	30
Perfluorotetradecanoic Acid (PFTA)	ND	41.8	37.4	89	40.9	33.0	81	13	59-182	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab Sample ID	: WG1626705-1	**Lab File ID**	: I59007
Instrument ID	: LCMS02	**Extraction Date**	: 04/13/22
Matrix	: WATER	**Analysis Date**	: 04/17/22 19:13
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1626705-2LCS	WG1626705-2	04/17/22 19:30
MW-06	L2218526-01	04/17/22 23:55
MW-07	L2218526-02	04/18/22 00:11
EB-01	L2218526-03	04/18/22 00:28
MW-05	L2218526-04	04/18/22 00:44
FD-02	L2218526-05	04/18/22 01:01
MW-04	L2218526-06	04/18/22 01:17
MW-04MS	WG1626705-3	04/18/22 01:34
MW-04MSD	WG1626705-4	04/18/22 01:51

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12115-1
Page: 1

PFAAs via LCMSMS-Isotope Dilution (DW)

Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H20 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 (NMeFOSAA	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			
Perfluorododecanoic 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]-Pro	13252-13-6	50	22.7	ng/l	57-162	30	57-162	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	2	0.336	ng/l	69-143	30	69-143	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	4	1.24	ng/l	40-167	30	40-167	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	4	1.148	ng/l	10-119	30	10-119	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	2	0.616	ng/l	69-141	30	69-141	30	30			
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	120226-60-0	5	2.02	ng/l	81-188	30	81-188	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3	756426-58-1	2	0.2768	ng/l	55-158	30	55-158	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-	763051-92-9	2	0.2932	ng/l	52-156	30	52-156	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	20	7.36	ng/l	10-185	30	10-185	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	20	6.64	ng/l	10-202	30	10-202	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	50	22.2	ng/l	10-209	30	10-209	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	50	22.52	ng/l	66-176	30	66-176	30	30			
Perfluoropropane Sulfonic Acid (PFPrS)	423-41-6	2	0.1876	ng/l	50-150	30	50-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	2	0.1976	ng/l	50-150	30	50-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	2	0.2012	ng/l	50-150	30	50-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	2	0.412	ng/l	50-150	30	50-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	2	0.884	ng/l	50-150	30	50-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*58-132*		

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.

PFAAs via LCMSMS-Isotope Dilution (DW)

Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H20 Plastic

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*62-163*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*70-131*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4	*NONE*									*12-142*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*57-129*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*60-129*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*71-134*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*62-129*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6	*NONE*									*14-147*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*59-139*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*69-131*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*62-124*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*10-162*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*24-116*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*55-137*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*10-112*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d	*NONE*									*27-126*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*48-131*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*22-136*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*10-165*		
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	*NONE*									*10-206*		
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	*NONE*									*50-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*10-161*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*10-160*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*10-189*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d	*NONE*									*10-187*		

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.

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12118-1
Page: 1

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	0.5	0.0227	ng/g	71-135	30	71-135	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.5	0.046	ng/g	69-132	30	69-132	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.25	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	0.5	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	0.25	0.0451	ng/g	71-131	30	71-131	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.25	0.0605	ng/g	67-130	30	67-130	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	0.25	0.0419	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.5	0.1795	ng/g	64-140	30	64-140	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.5	0.1365	ng/g	70-132	30	70-132	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	0.25	0.075	ng/g	72-129	30	72-129	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.25	0.13	ng/g	68-136	30	68-136	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	0.25	0.067	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.5	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 (NMeFOSAA	2355-31-9	0.5	0.2015	ng/g	63-144	30	63-144	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.5	0.0468	ng/g	64-136	30	64-136	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.5	0.153	ng/g	59-134	30	59-134	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.5	0.098	ng/g	67-137	30	67-137	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.5	0.0845	ng/g	61-139	30	61-139	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.5	0.07	ng/g	69-135	30	69-135	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.5	0.2045	ng/g	66-139	30	66-139	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.5	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]-Pro	13252-13-6	10	3.81	ng/g	41-165	30	41-165	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	1	0.0413	ng/g	68-143	30	68-143	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	2.5	0.12	ng/g	18-191	30	18-191	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	2.5	0.171	ng/g	10-123	30	10-123	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	37-261	30	37-261	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3	756426-58-1	1	0.0374	ng/g	69-139	30	67-139	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-	763051-92-9	1	0.0388	ng/g	51-155	30	51-155	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1	0.379	ng/g	62-149	30	62-149	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1	0.407	ng/g	71-156	30	71-156	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.52	ng/g	10-239	30	10-239	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.73	ng/g	10-275	30	10-275	30	30			
Perfluoropropane Sulfonic Acid (PFPrS)	423-41-6	1	0.2005	ng/g	50-150	30	50-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	1	0.15	ng/g	50-150	30	50-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	1	0.168	ng/g	50-150	30	50-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	1	0.2235	ng/g	50-150	30	50-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	1	0.1515	ng/g	50-150	30	50-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*61-135*		

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.

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		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*58-150*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*74-139*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4	*NONE*									*14-167*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*66-128*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*71-129*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*78-139*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*75-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6	*NONE*									*20-154*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*72-140*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*79-136*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*75-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*19-175*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*31-134*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*61-155*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*10-117*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d	*NONE*									*34-137*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*54-150*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*24-159*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*10-203*		
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	*NONE*									*10-145*		
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	*NONE*									*50-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*10-146*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*10-145*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*10-146*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d	*NONE*									*10-129*		

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.

Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-01	**Date Collected**	: 04/06/22 13:40
Client ID	: MW-06	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/17/22 23:55
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59024	**Analyst**	: SG
Sample Amount	: 263.18 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	4.45	1.90	0.388	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	4.64	1.90	0.376	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	5.08	1.90	0.226	
307-24-4	Perfluorohexanoic Acid (PFHxA)	3.95	1.90	0.312	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	3.12	1.90	0.214	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	3.42	1.90	0.357	
335-67-1	Perfluorooctanoic Acid (PFOA)	13.8	1.90	0.224	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.90	1.26	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.90	0.654	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.756	1.90	0.296	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	17.6	1.90	0.479	F
335-76-2	Perfluorodecanoic Acid (PFDA)	0.490	1.90	0.289	JF
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.90	1.15	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.90	0.616	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.90	0.247	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.90	0.931	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.90	0.551	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.90	0.764	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-01	**Date Collected**	: 04/06/22 13:40
Client ID	: MW-06	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/17/22 23:55
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59024	**Analyst**	: SG
Sample Amount	: 263.18 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.90	0.353	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.90	0.311	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.90	0.236	U
NONE	PFOA/PFOS, Total	31.4	1.90	0.224	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-02	**Date Collected**	: 04/06/22 16:05
Client ID	: MW-07	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:11
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59025	**Analyst**	: SG
Sample Amount	: 278.34 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	6.68	1.80	0.366	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.3	1.80	0.356	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	4.51	1.80	0.214	
307-24-4	Perfluorohexanoic Acid (PFHxA)	7.57	1.80	0.295	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	3.96	1.80	0.202	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.62	1.80	0.338	J
335-67-1	Perfluorooctanoic Acid (PFOA)	15.0	1.80	0.212	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.80	1.20	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.80	0.618	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.27	1.80	0.280	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	19.7	1.80	0.453	F
335-76-2	Perfluorodecanoic Acid (PFDA)	0.453	1.80	0.273	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.80	1.09	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.80	0.582	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.80	0.234	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.80	0.880	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.80	0.521	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.80	0.722	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-02	**Date Collected**	: 04/06/22 16:05
Client ID	: MW-07	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:11
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59025	**Analyst**	: SG
Sample Amount	: 278.34 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.80	0.334	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.80	0.294	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.80	0.223	U
NONE	PFOA/PFOS, Total	34.7	1.80	0.212	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-03	**Date Collected**	: 04/06/22 15:45
Client ID	: EB-01	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:28
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59026	**Analyst**	: SG
Sample Amount	: 276.53 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	1.81	0.369	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	1.81	0.358	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.81	0.215	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.81	0.296	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.81	0.204	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.81	0.340	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.81	0.213	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.81	1.20	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.81	0.622	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.81	0.282	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.81	0.456	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.81	0.275	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.81	1.10	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.81	0.586	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.81	0.235	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.81	0.886	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.81	0.524	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.81	0.727	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-03	**Date Collected**	: 04/06/22 15:45
Client ID	: EB-01	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:28
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59026	**Analyst**	: SG
Sample Amount	: 276.53 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.81	0.336	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.81	0.296	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.81	0.224	U
NONE	PFOA/PFOS, Total	ND	1.81	0.213	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-04	**Date Collected**	: 04/06/22 07:50
Client ID	: MW-05	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:44
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59027	**Analyst**	: SG
Sample Amount	: 262.1 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	4.91	1.91	0.389	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	5.18	1.91	0.378	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	7.34	1.91	0.227	
307-24-4	Perfluorohexanoic Acid (PFHxA)	3.89	1.91	0.313	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.47	1.91	0.215	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.41	1.91	0.359	
335-67-1	Perfluorooctanoic Acid (PFOA)	11.0	1.91	0.225	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.91	1.27	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.91	0.656	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.794	1.91	0.298	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	14.5	1.91	0.481	F
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.91	0.290	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.91	1.16	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.91	0.618	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.91	0.248	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.91	0.935	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.91	0.553	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.91	0.767	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-04	**Date Collected**	: 04/06/22 07:50
Client ID	: MW-05	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 00:44
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59027	**Analyst**	: SG
Sample Amount	: 262.1 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.91	0.355	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.91	0.312	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.91	0.236	U
NONE	PFOA/PFOS, Total	25.5	1.91	0.225	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	Lab Number	: L2218526
Project Name	: GCL03162	Project Number	: GCL03162
Lab ID	: L2218526-05	Date Collected	: 04/06/22 08:20
Client ID	: FD-02	Date Received	: 04/08/22
Sample Location	: NY	Date Analyzed	: 04/18/22 01:01
Sample Matrix	: WATER	Date Extracted	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I59028	Analyst	: SG
Sample Amount	: 260.03 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	5.16	1.92	0.392	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	5.68	1.92	0.381	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	7.12	1.92	0.229	
307-24-4	Perfluorohexanoic Acid (PFHxA)	4.74	1.92	0.315	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	3.06	1.92	0.216	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.33	1.92	0.361	
335-67-1	Perfluorooctanoic Acid (PFOA)	11.9	1.92	0.227	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.92	1.28	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.92	0.661	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.888	1.92	0.300	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	14.9	1.92	0.484	F
335-76-2	Perfluorodecanoic Acid (PFDA)	0.300	1.92	0.292	JF
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92	1.16	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.92	0.623	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.92	0.250	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.92	0.942	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.92	0.558	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.92	0.773	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-05	**Date Collected**	: 04/06/22 08:20
Client ID	: FD-02	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 01:01
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59028	**Analyst**	: SG
Sample Amount	: 260.03 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.92	0.358	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.92	0.314	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.92	0.238	U
NONE	PFOA/PFOS, Total	26.8	1.92	0.227	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-06	**Date Collected**	: 04/06/22 09:45
Client ID	: MW-04	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 01:17
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59029	**Analyst**	: SG
Sample Amount	: 243.8 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	4.08	2.05	0.418	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	3.49	2.05	0.406	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	7.21	2.05	0.244	
307-24-4	Perfluorohexanoic Acid (PFHxA)	2.39	2.05	0.336	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.43	2.05	0.231	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.53	2.05	0.386	J
335-67-1	Perfluorooctanoic Acid (PFOA)	14.5	2.05	0.242	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	2.05	1.36	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.05	0.705	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.870	2.05	0.320	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	12.3	2.05	0.517	F
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.05	0.312	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.05	1.24	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.05	0.664	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.05	0.267	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.05	1.00	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.05	0.595	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.05	0.824	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: L2218526-06	**Date Collected**	: 04/06/22 09:45
Client ID	: MW-04	**Date Received**	: 04/08/22
Sample Location	: NY	**Date Analyzed**	: 04/18/22 01:17
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59029	**Analyst**	: SG
Sample Amount	: 243.8 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.05	0.381	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.05	0.336	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.05	0.254	U
NONE	PFOA/PFOS, Total	26.8	2.05	0.242	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	Lab Number	: L2218526
Project Name	: GCL03162	Project Number	: GCL03162
Lab ID	: WG1626705-1	Date Collected	: NA
Client ID	: WG1626705-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/17/22 19:13
Sample Matrix	: WATER	Date Extracted	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I59007	Analyst	: SG
Sample Amount	: 250 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	2.00	0.408	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.00	0.396	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	2.00	0.238	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	2.00	0.328	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
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.00	0.648	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.00	0.260	U
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

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Phoenix Environmental Labs	**Lab Number**	: L2218526
Project Name	: GCL03162	**Project Number**	: GCL03162
Lab ID	: WG1626705-1	**Date Collected**	: NA
Client ID	: WG1626705-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/17/22 19:13
Sample Matrix	: WATER	**Date Extracted**	: 04/13/22
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I59007	**Analyst**	: SG
Sample Amount	: 250 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
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

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:02 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: L2218526-01
Name: I59024
Date: 17-Apr-2022
Time: 23:55:10
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	2504		1.172		na	
2	M3PFBA	INT STD	2.11	216.009 > 171.999	28097		11.030		na	110.3
3	MPFBA	INT STD	2.11	217.001 > 171.999	24908		7.946		na	79.5
4	PFPeA	2706-90-3	4.98	263.039 > 219.03	2869		1.221		na	
5	M5PFPEA	INT STD	4.98	268.001 > 222.999	30434		7.905		na	79.0
6	PFBS	375-73-5	5.63	299.092 > 80.062	1173		1.336	2.07	NO	
7	M3PFBS	INT STD	5.63	302.069 > 80.062	7938		8.678		na	93.1
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.79	329.13 > 309.124	6537		16.012		na	170.7
10	PFHxA	307-24-4	6.87	313.047 > 269.037	4079		1.040	16.56	NO	
11	M5PFHxA	INT STD	6.87	318.009 > 273.007	40333		6.776		na	67.8
12	PFPeS	2706-91-4	7.19	349.1 > 80.062	98	M7	0.117	1.43	NO	
13	PFHpA	375-85-9	8.15	363.055 > 319.045	4754		0.822	6.35	NO	
14	M4PFHpA	INT STD	8.15	367.025 > 322.022	57501		8.072		na	80.7
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	132	M5,M7	0.211	2.02	NO	
16	L-PFHxS	355-46-4	8.31	399.107 > 80.062	498		0.689	1.87	NO	
17	PFHxS	355-46-4		399.107 > 80.062	630		0.901		na	
18	M3PFHxS	INT STD	8.31	402.084 > 80.062	7750		9.035		na	95.3
19	br-PFOA	335-67-1	8.87	412.8430 > 368.9430	3154	M5	0.392	3.06	NO	
20	L-PFOA	335-67-1	9.10	412.8430 > 368.9430	26084		3.245	9.20	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	29238		3.637		na	
22	M8PFOA	INT STD	9.10	420.7128> 375.9279	81665		8.498		na	85.0
23	M2PFOA	INT STD	9.10	414.828 > 369.935	88840		13.623		na	136.2
24	6:2FTS	27619-97-2	9.06	427.161 > 407.155	59	M7	0.146	5.84	YES	
25	M2-6:2FTS	INT STD	9.06	429.146 > 409.14	3839		10.461		na	110.0
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.86	462.8510 > 418.951	1212	M4	0.199	3.75	NO	
28	M9PFNA	INT STD	9.86	471.649 > 426.8751	71324		7.948		na	79.5
29	br-PFOS	1763-23-1	9.66	498.9030 > 79.9520	1977	M5,M7	1.673	4.91	YES	
30	L-PFOS	1763-23-1	9.91	498.9030 > 79.9520	2727		2.962	1.59	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	4704		4.634		na	
32	M4PFOS	INT STD	9.91	502.8730 > 79.952	8724		13.372		na	133.7
33	M8PFOS	INT STD	9.91	506.5852> 79.9565	10274		9.156		na	95.5
34	PFDA	335-76-2	10.49	512.8580 > 468.9590	870	M7	0.129	10.33	YES	
35	M2PFDA	INT STD	10.49	514.8332 > 469.8243	75609		14.085		na	140.9
36	M6PFDA	INT STD	10.49	518.6490 > 473.8794	72553		8.044		na	80.4
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.48	529.162 > 509.155	1836		7.507		na	78.2
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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ID: L2218526-01
Name: I59024
Date: 17-Apr-2022
Time: 23:55:10
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.86	573.22 > 419.061	2448		6.558		na	65.6
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.04	570.033 > 525.031	41366		7.710		na	77.1
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.88	506.077 > 78.07	3051		1.211		na	12.1
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.15	589.259 > 419.061	1793		5.756		na	57.6
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.52	615.079 > 570.077	24153		7.086		na	70.9
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	103	M7	0.027	17.41	YES	
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	57936		8.048		na	80.5

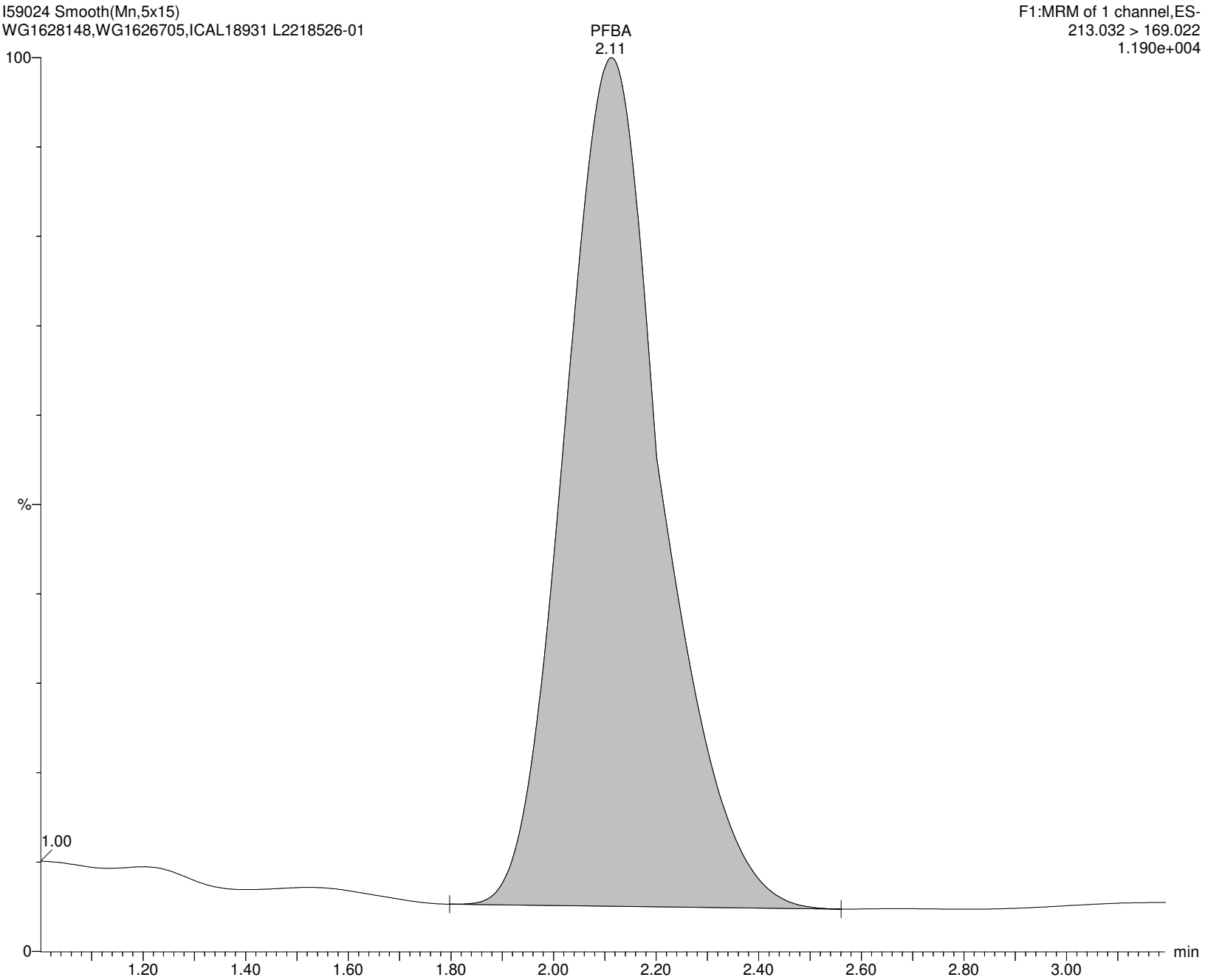
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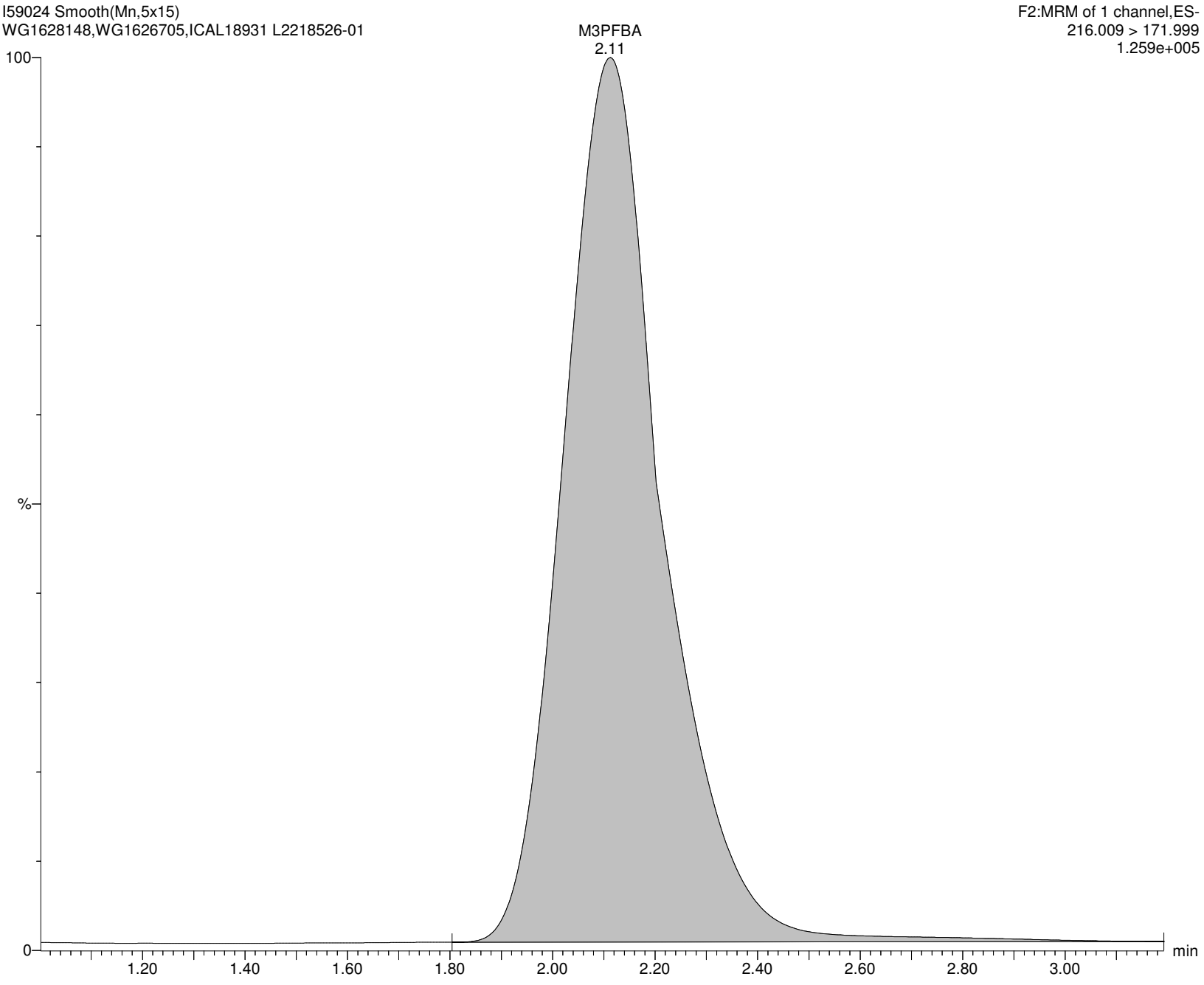


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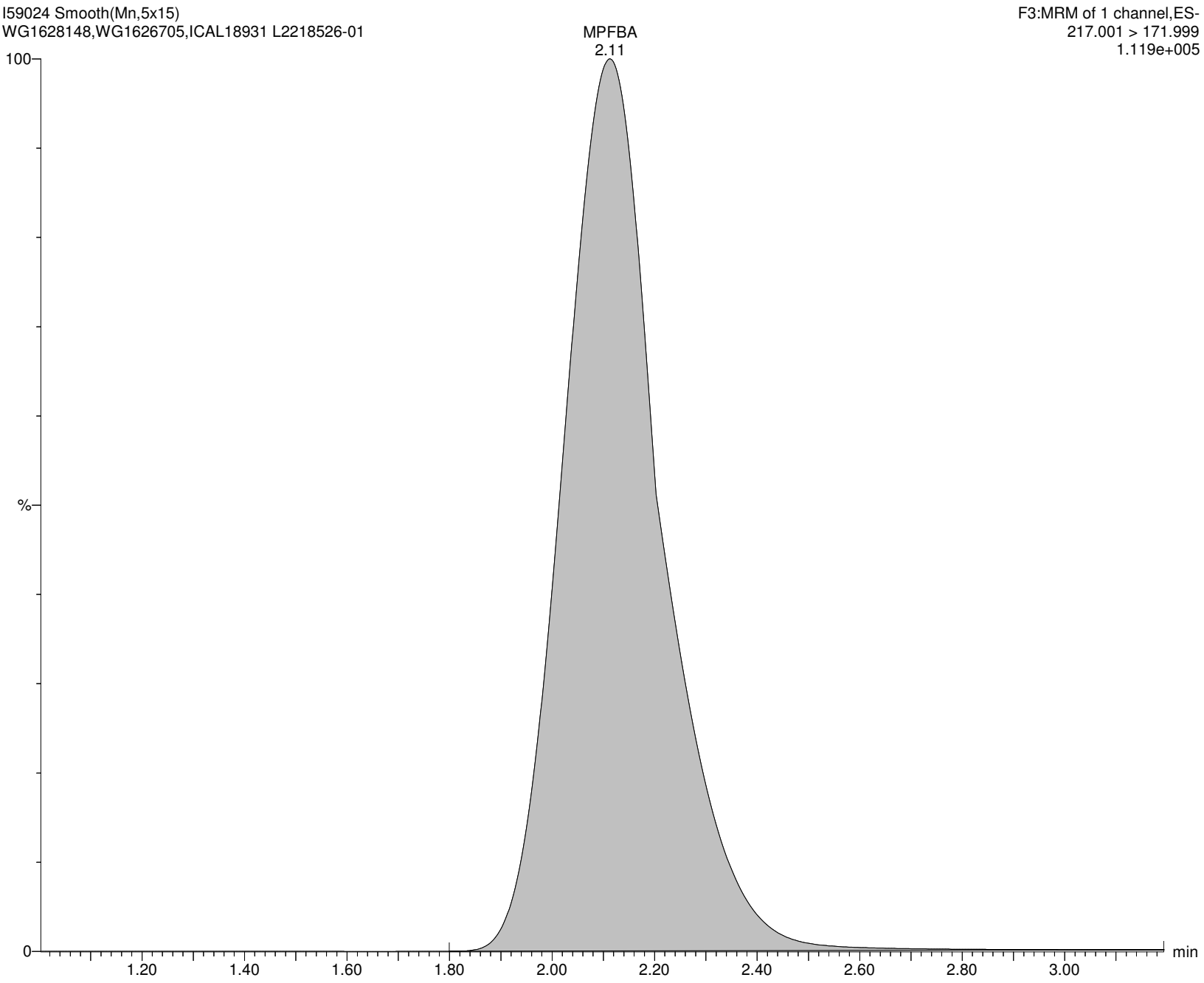


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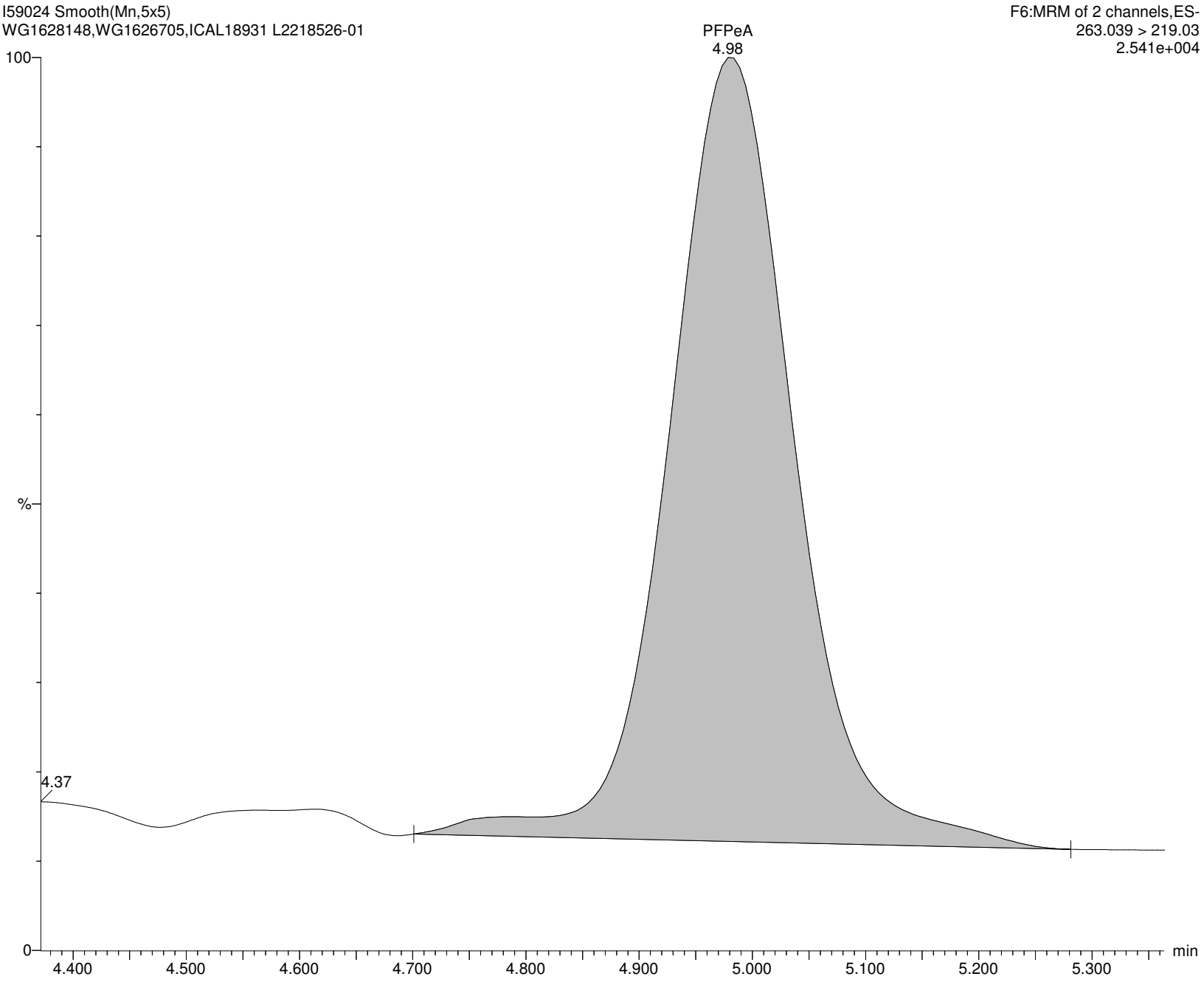


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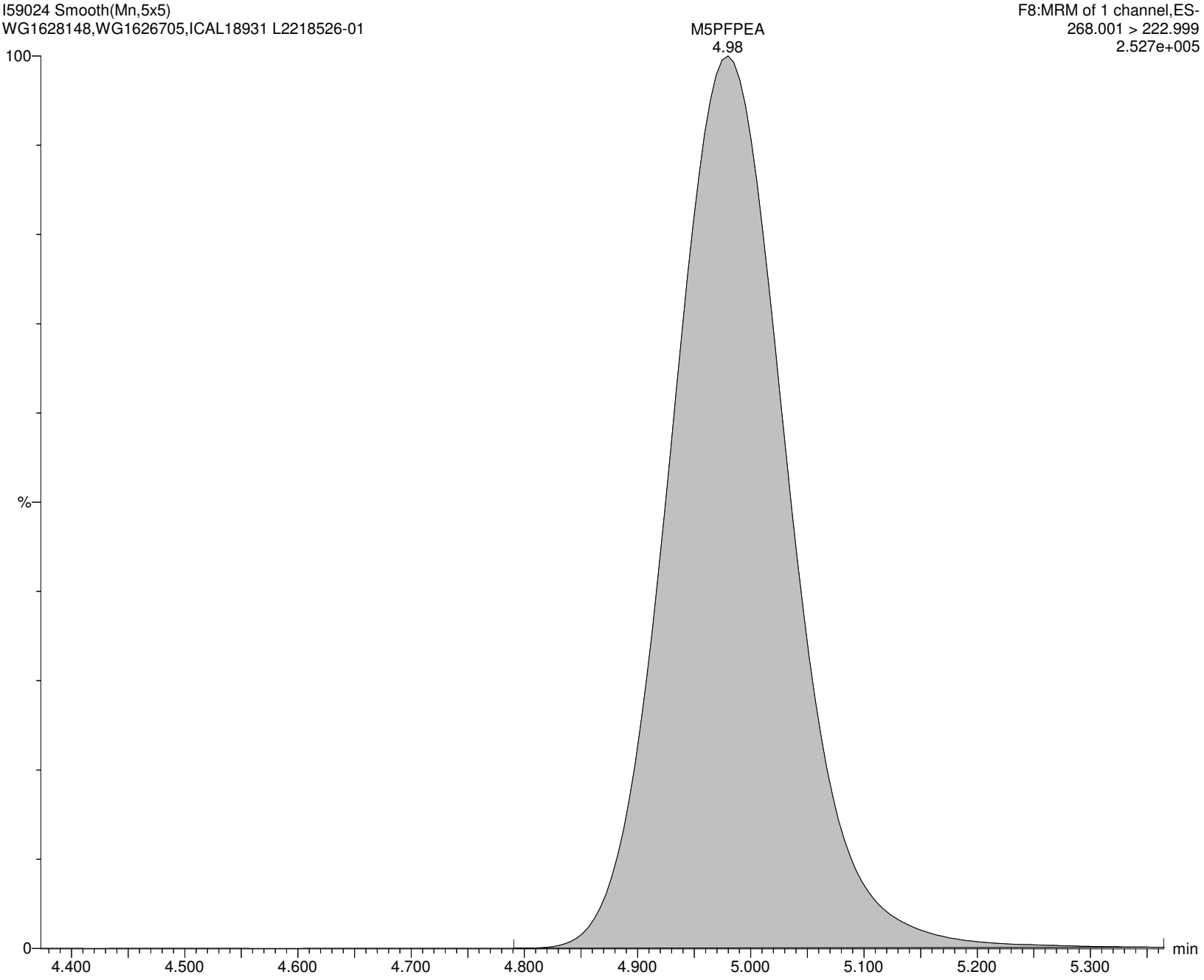


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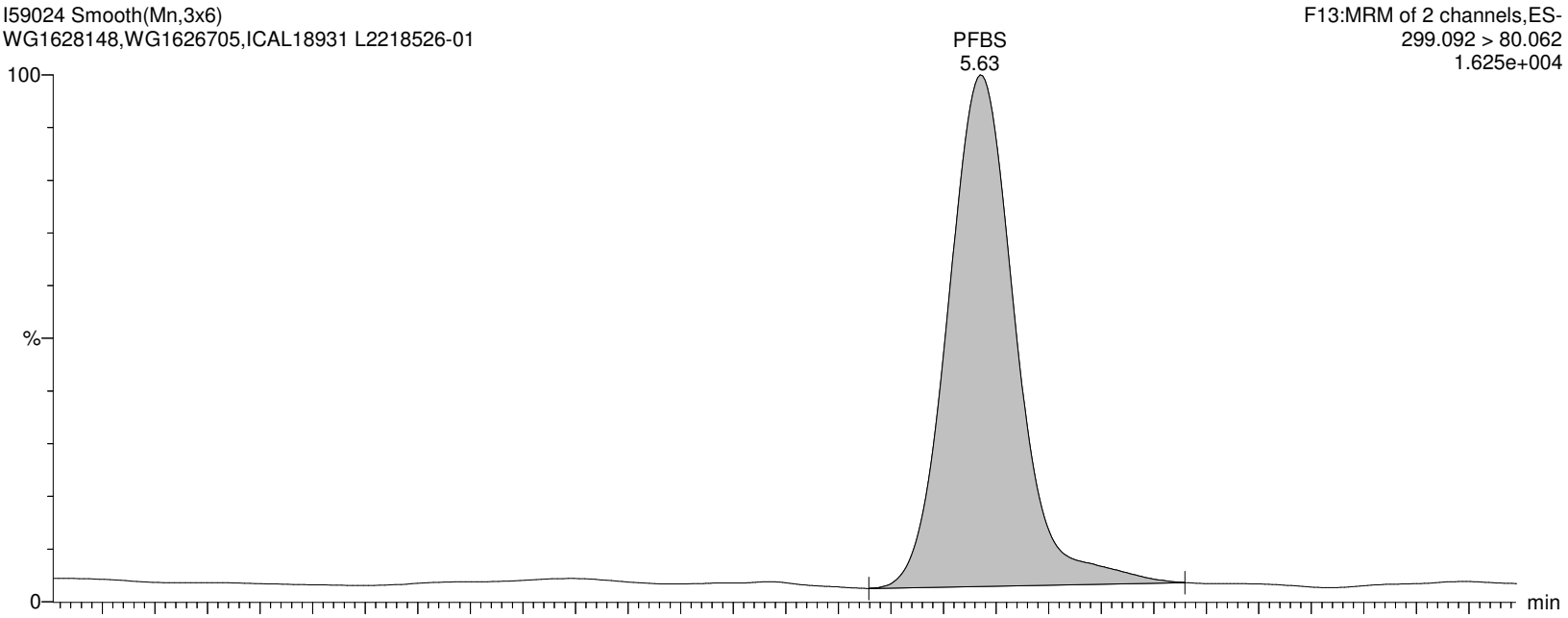


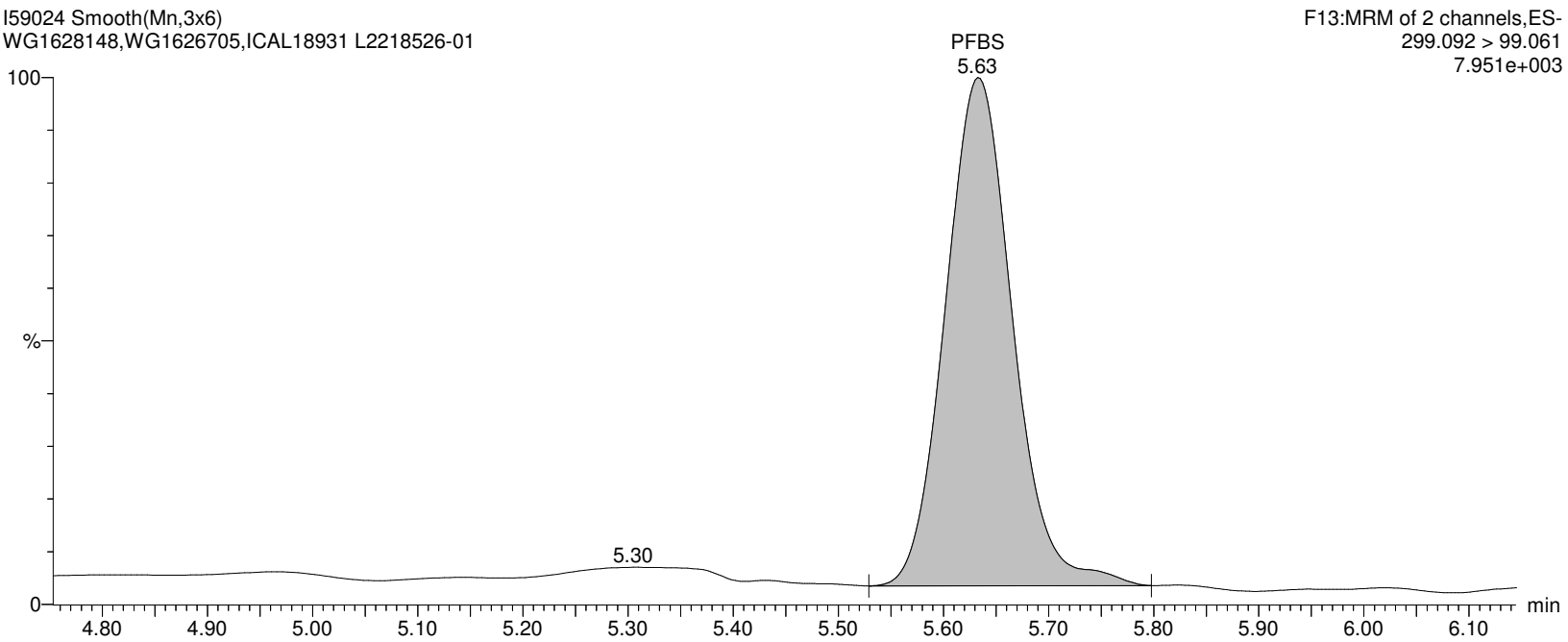
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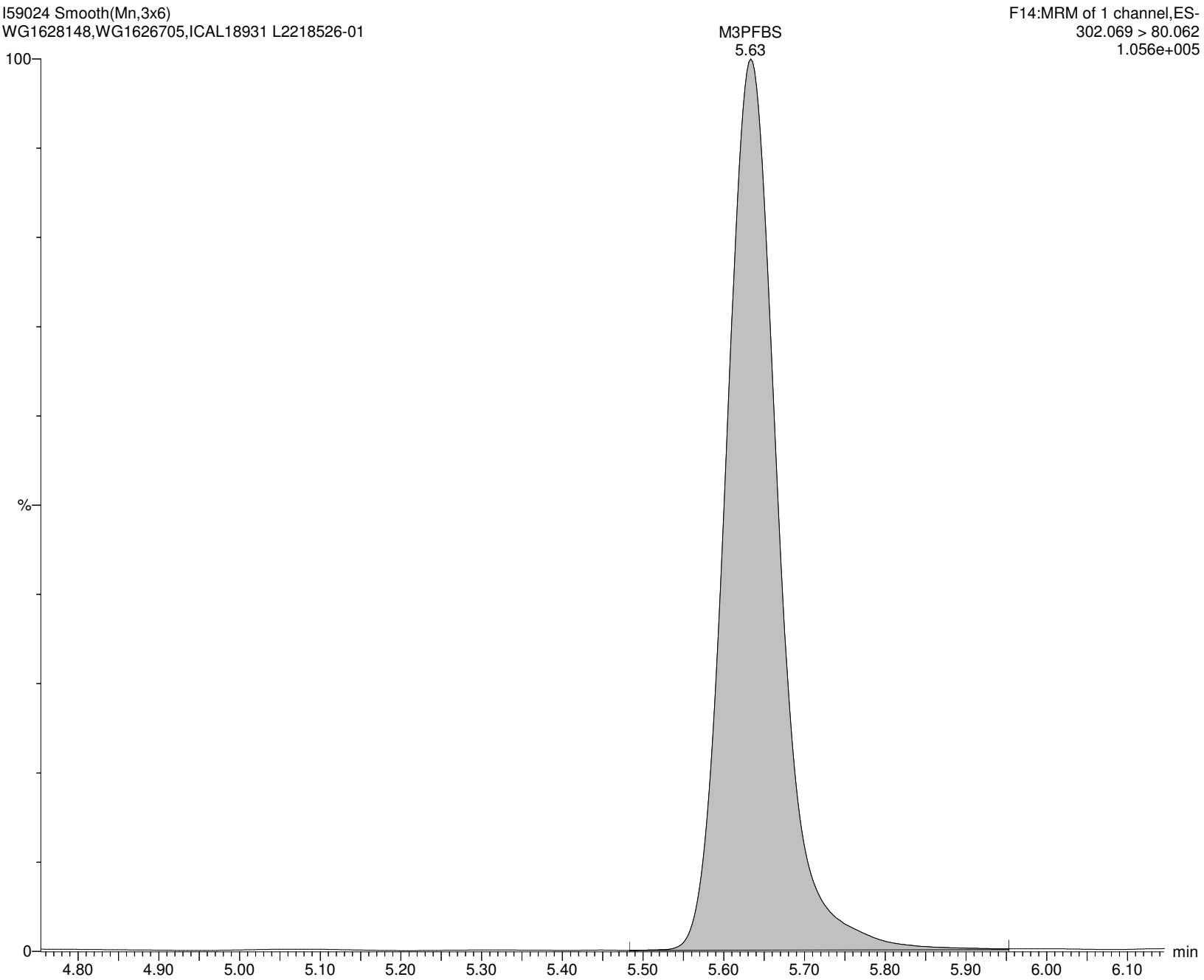


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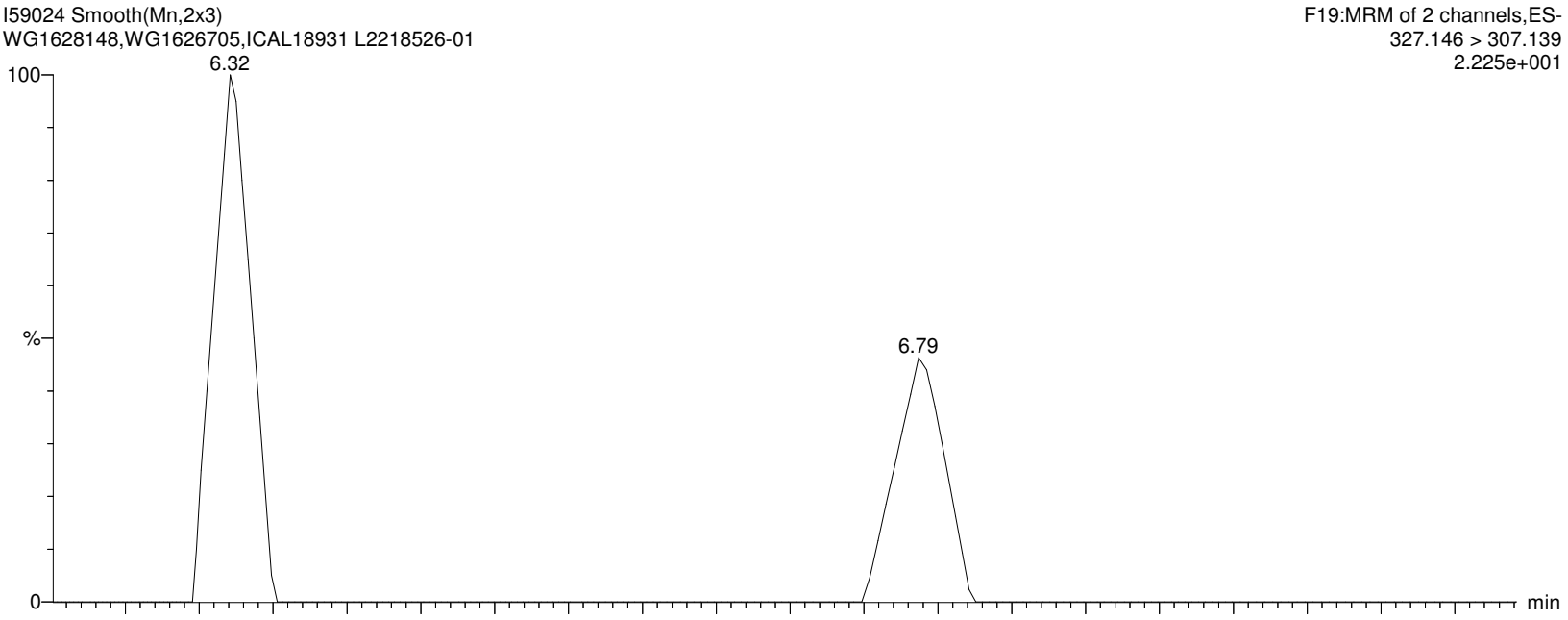


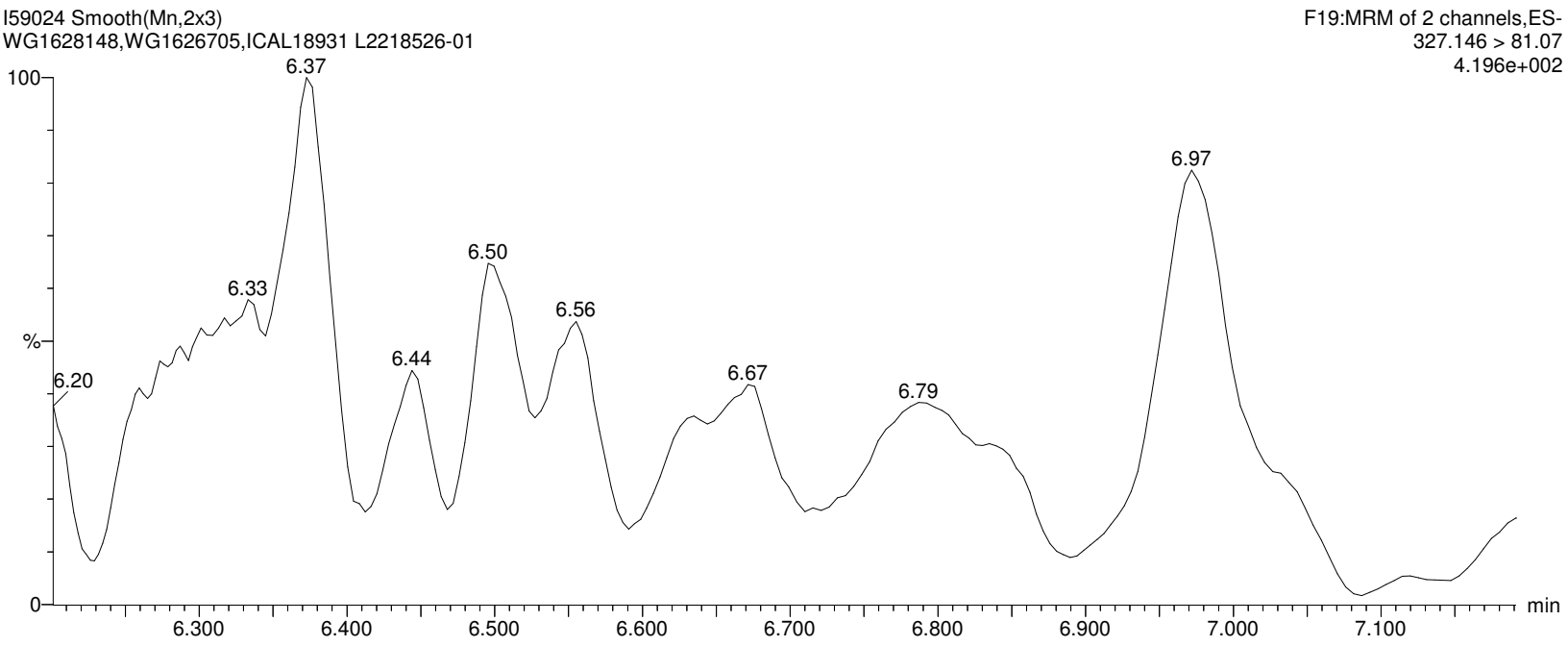
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4:2FTS



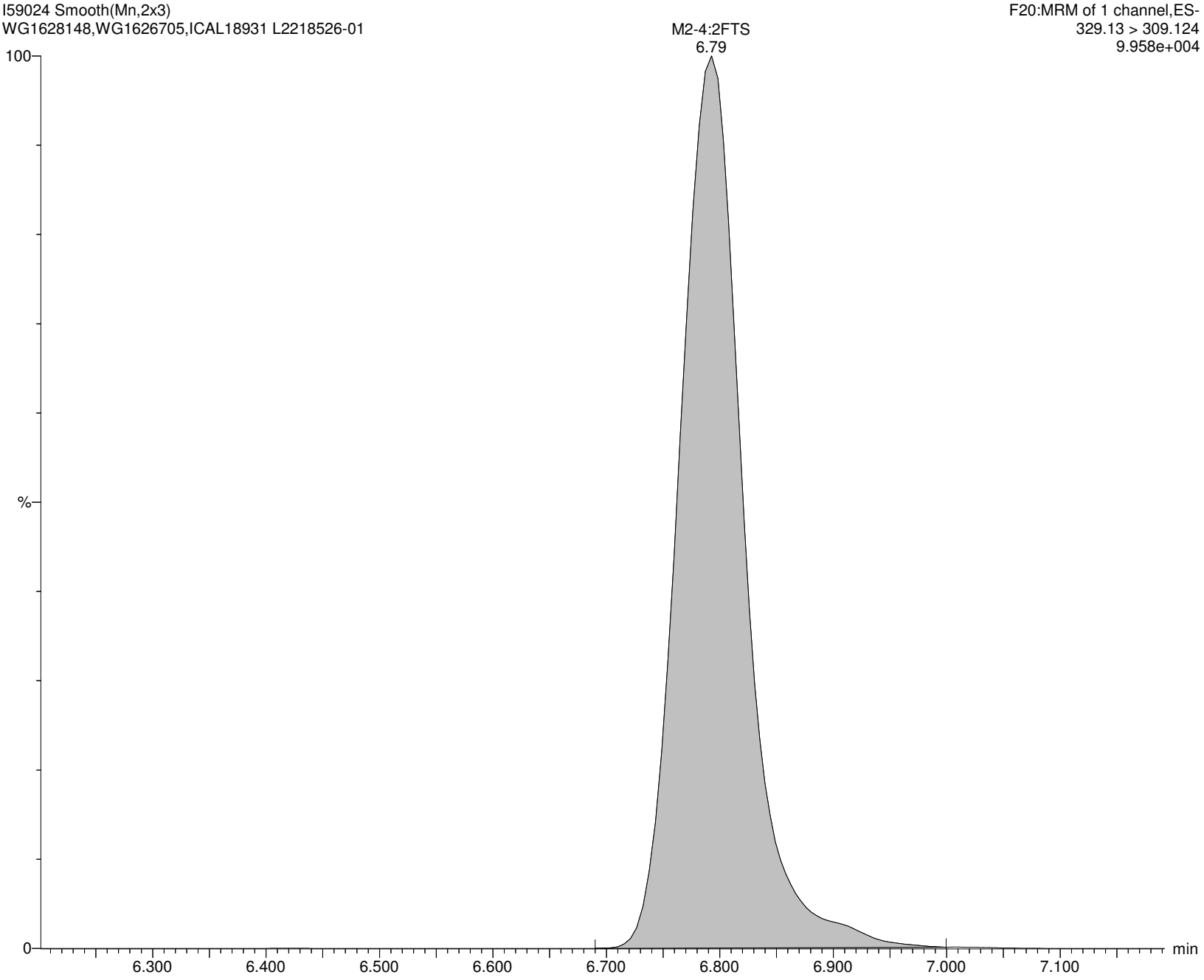


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M2-4:2FTS

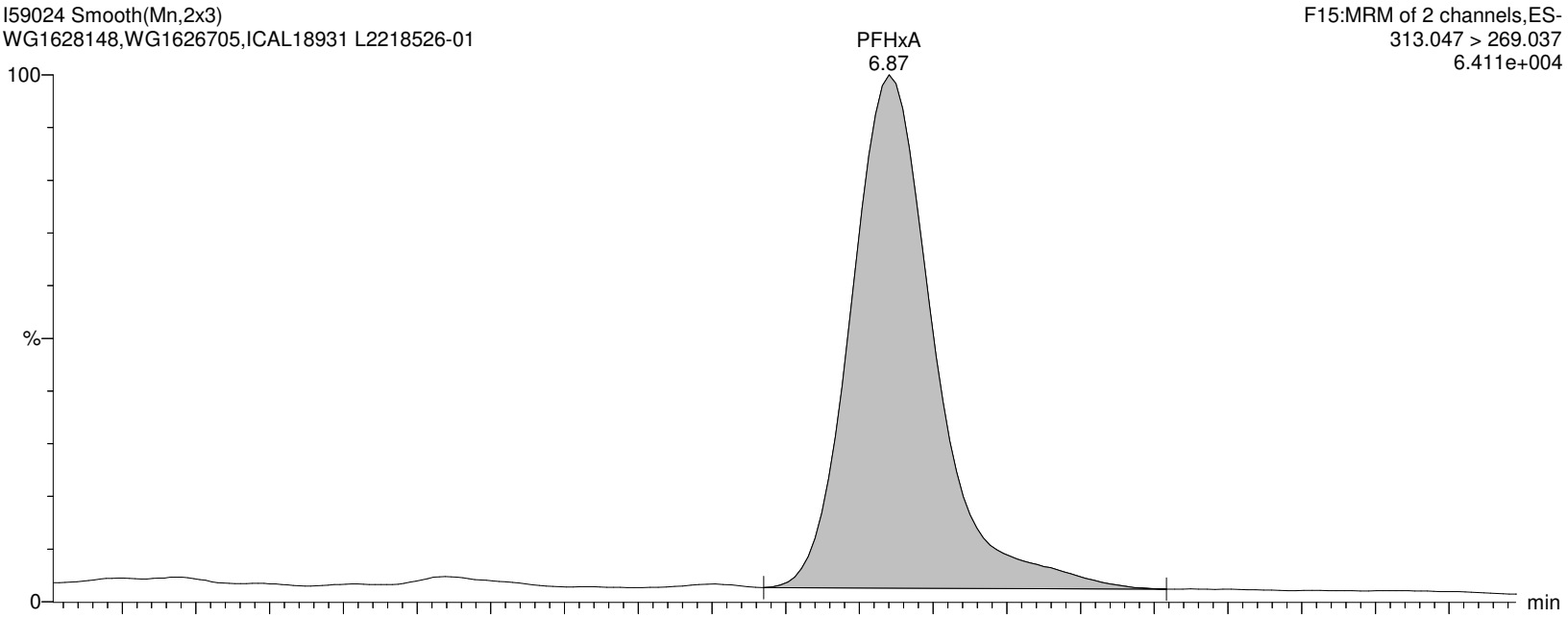


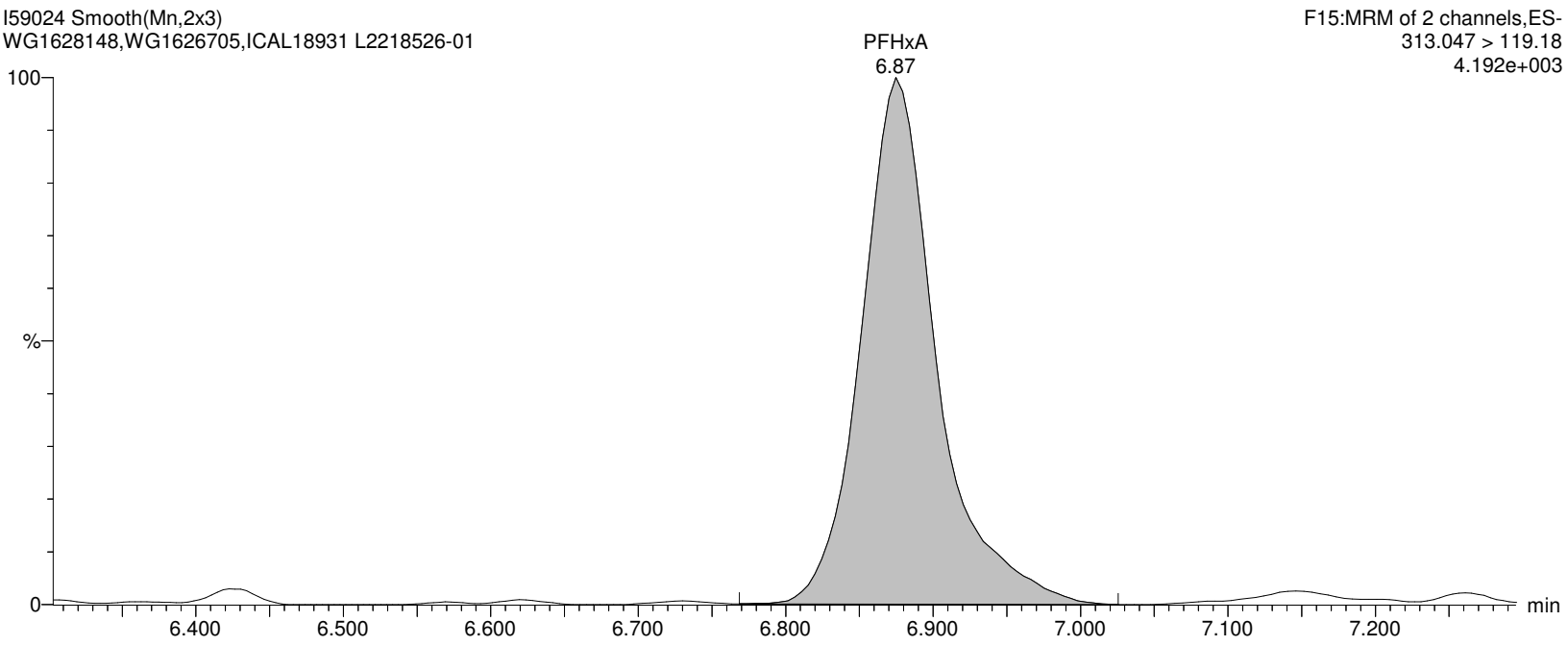
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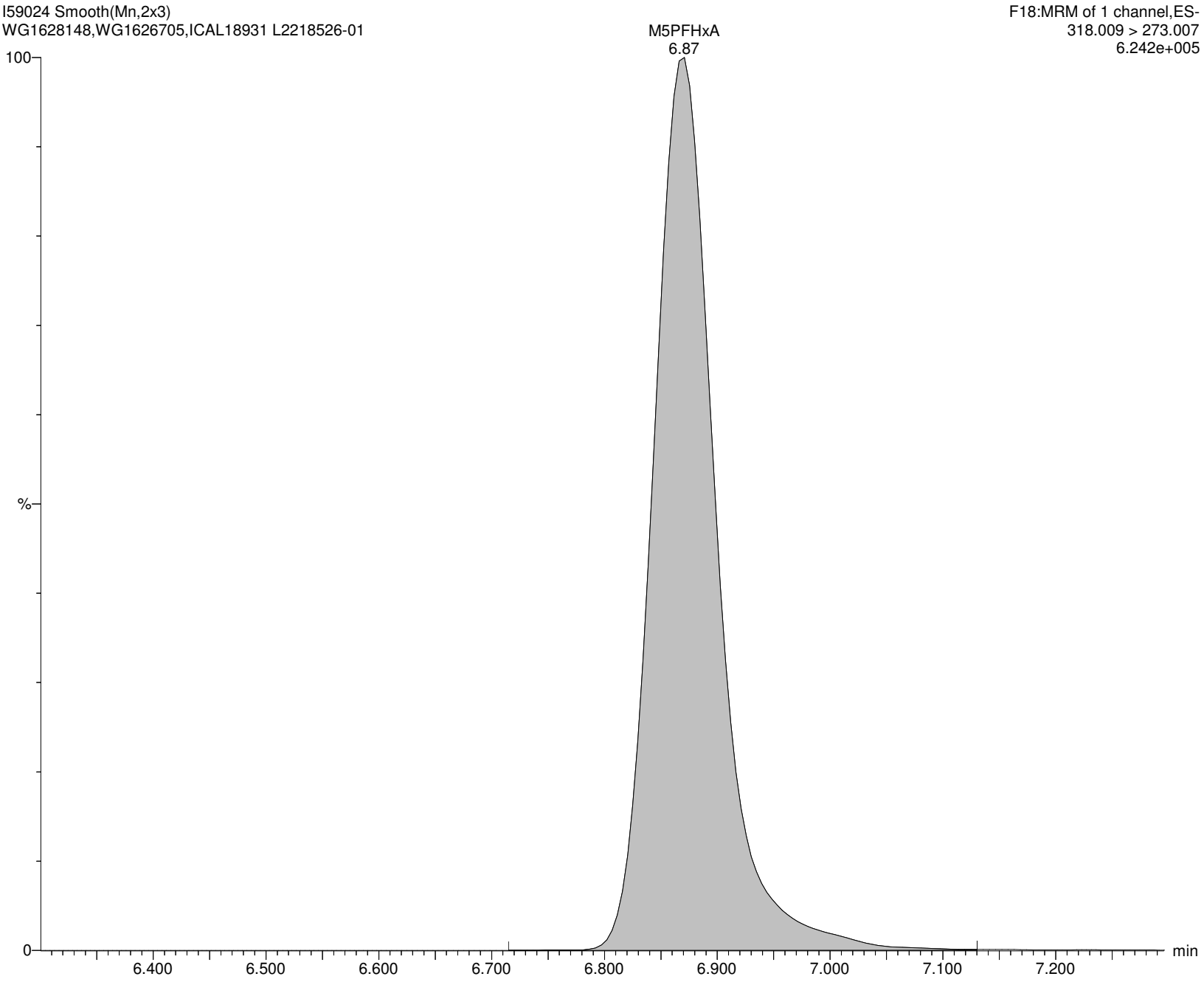


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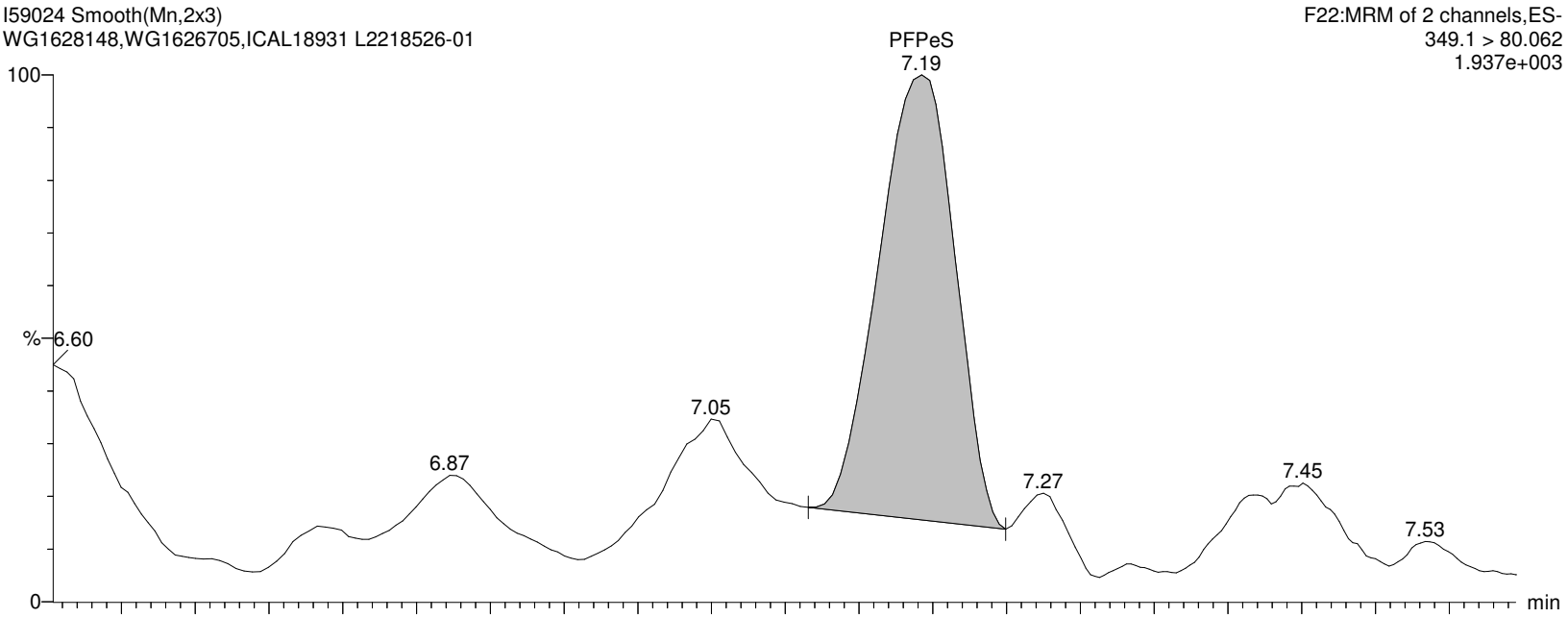


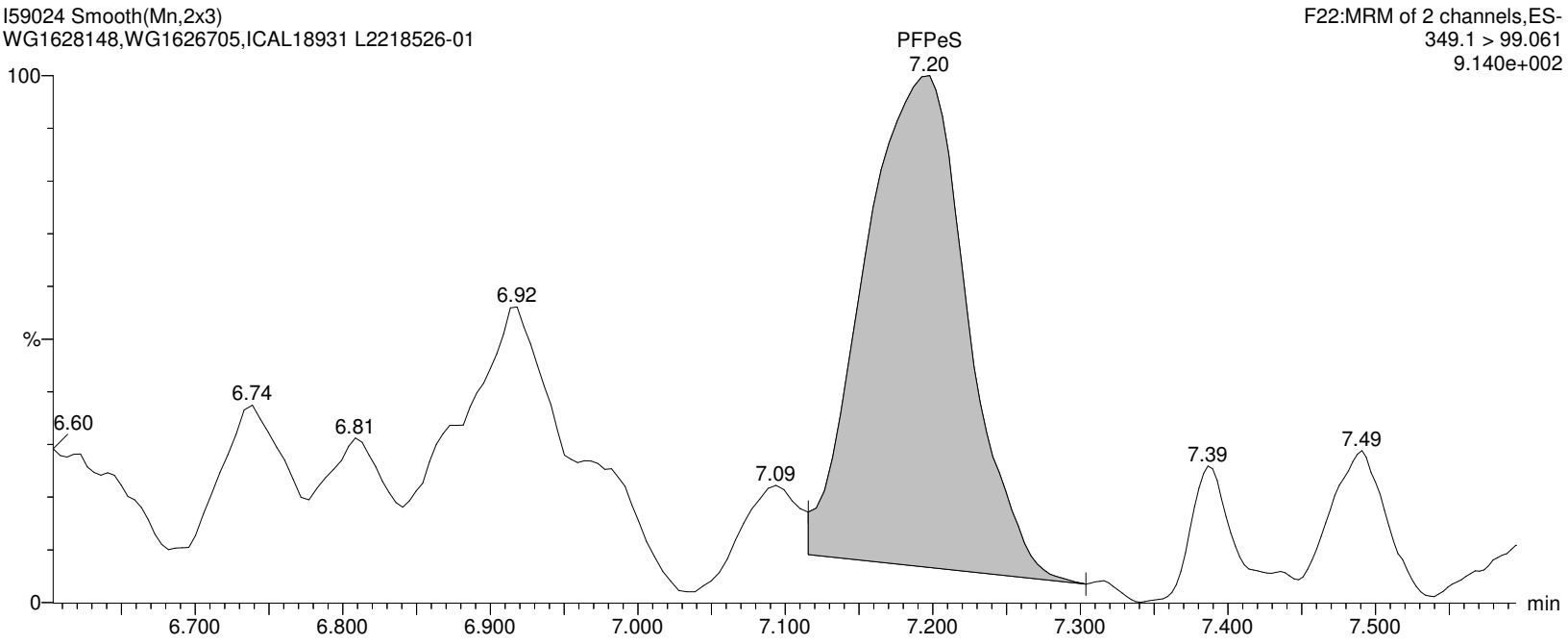
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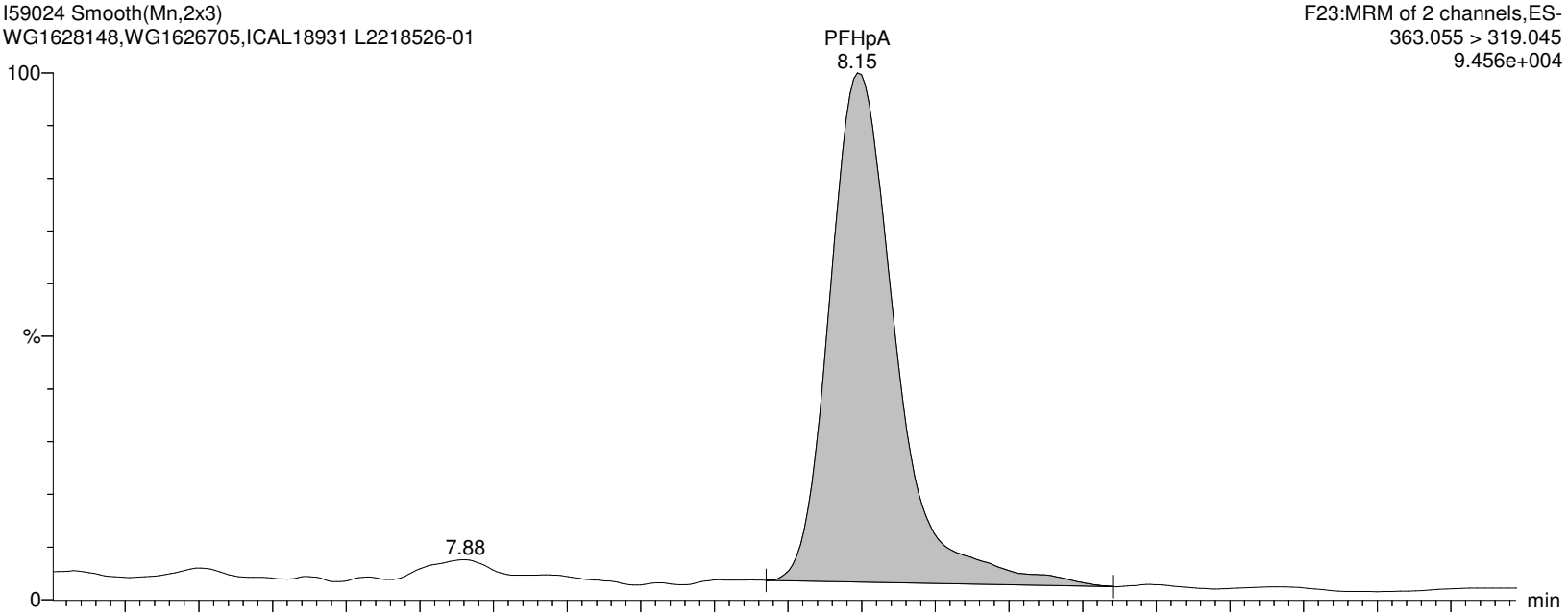


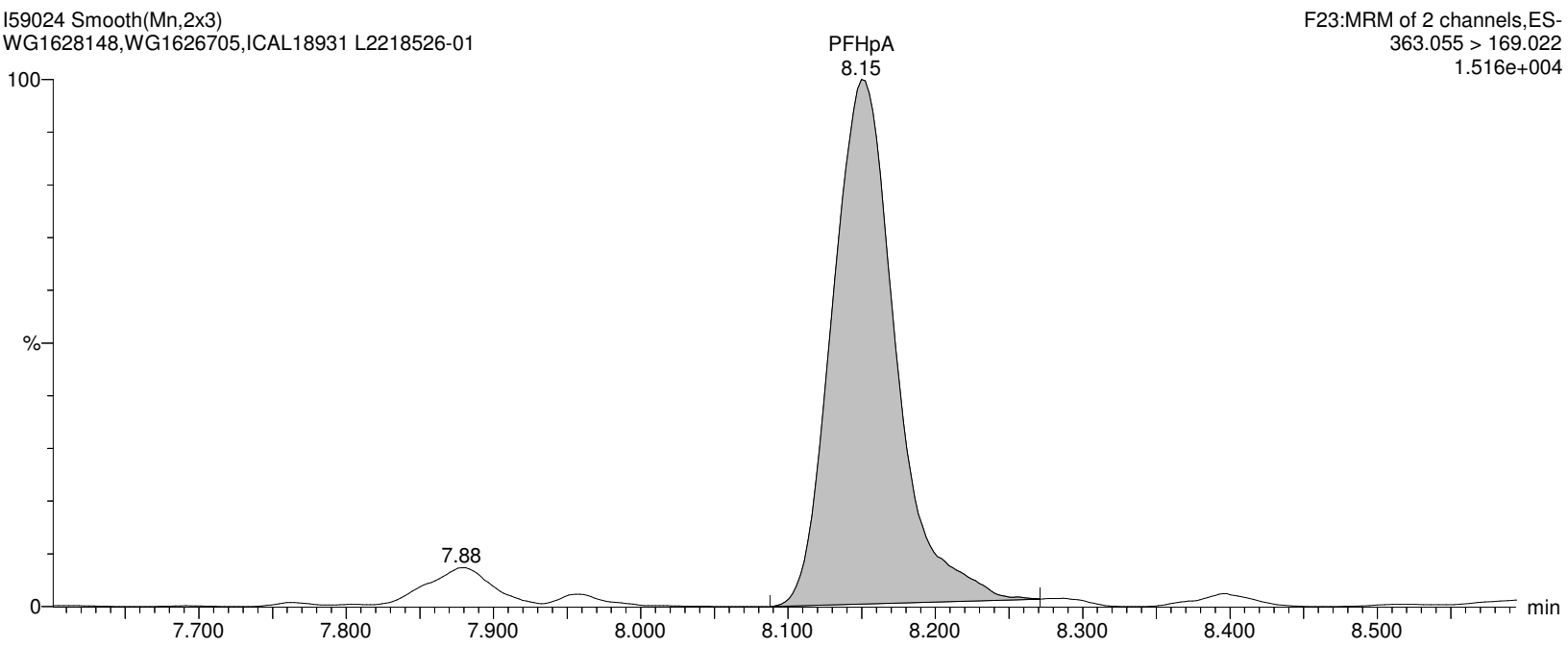
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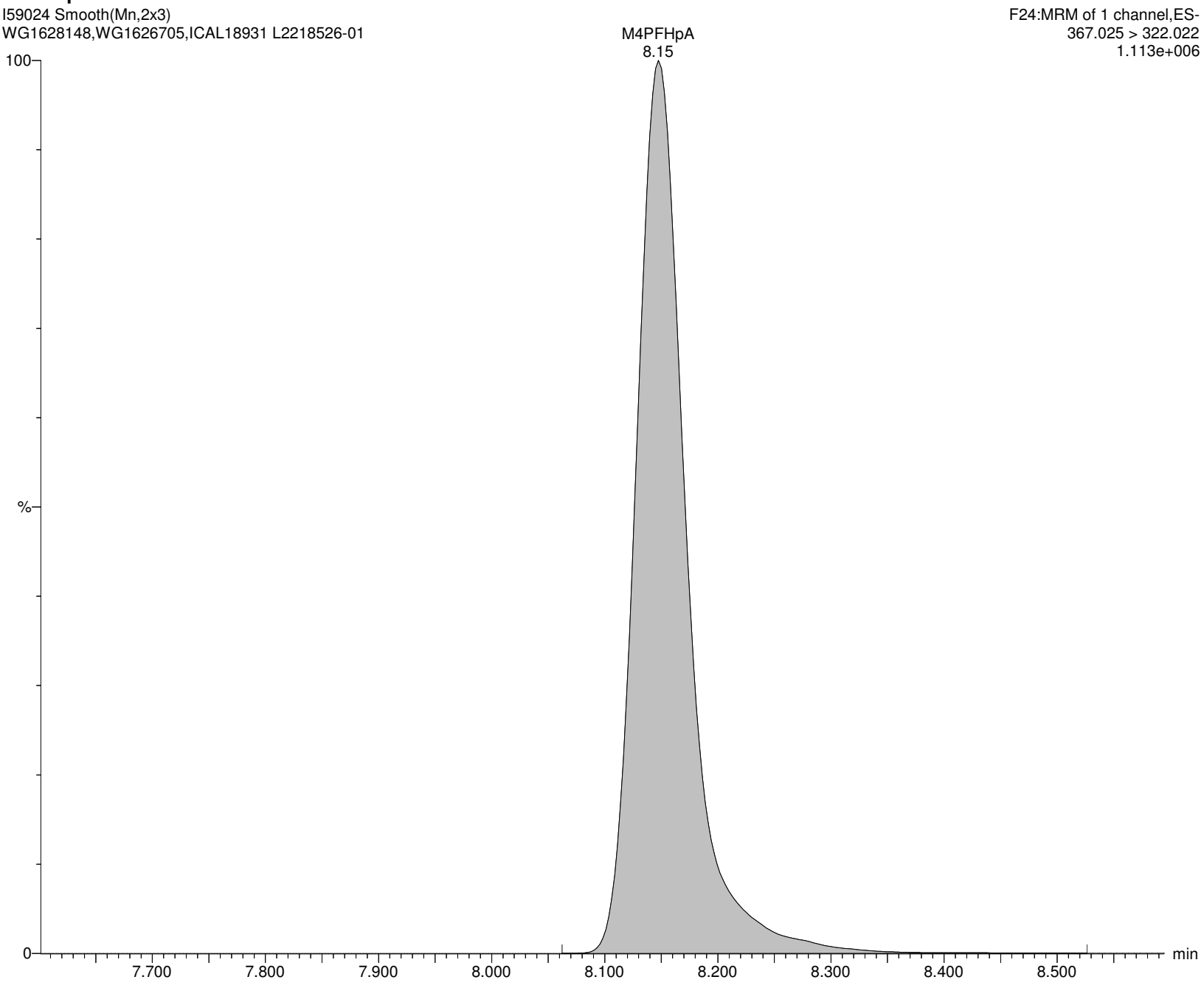


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:02 Eastern Daylight Time

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ID: L2218526-01
Date: 17-Apr-2022
Time: 23:55:10
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User: LCMS02:SG
Vial: 1:D,1
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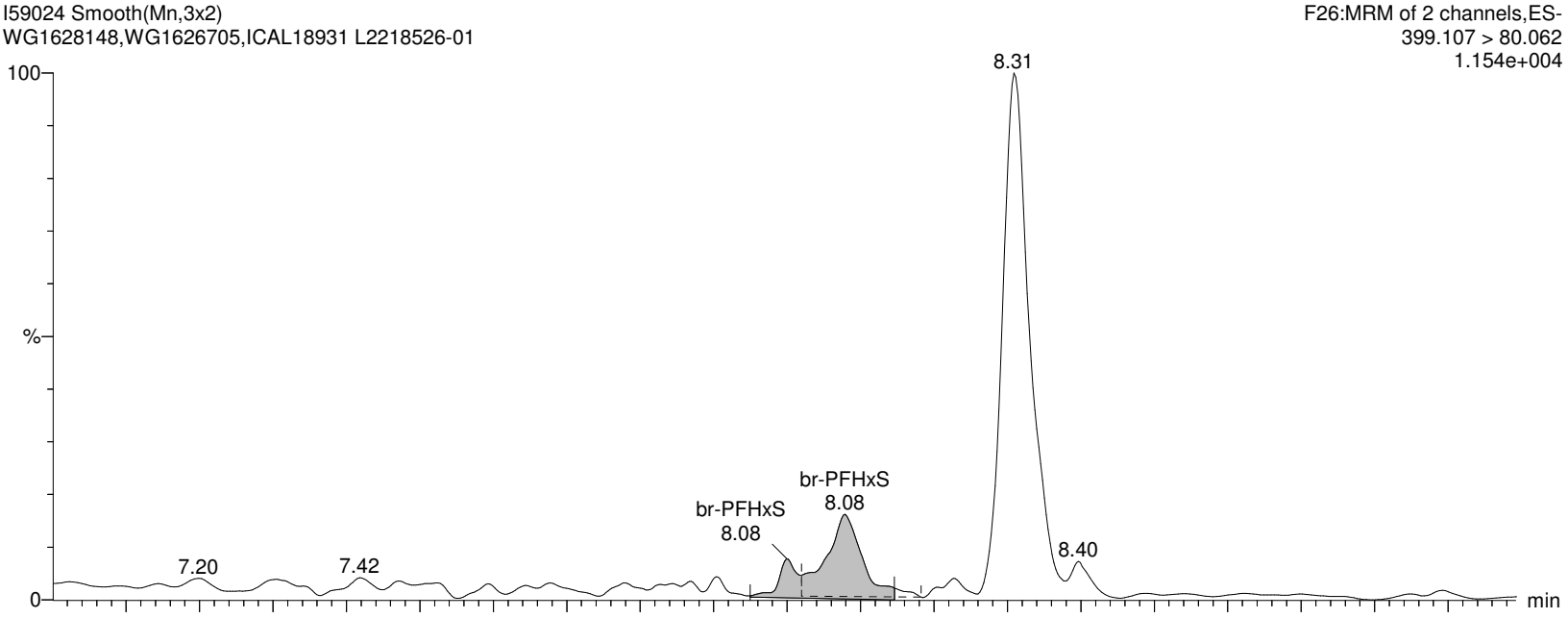


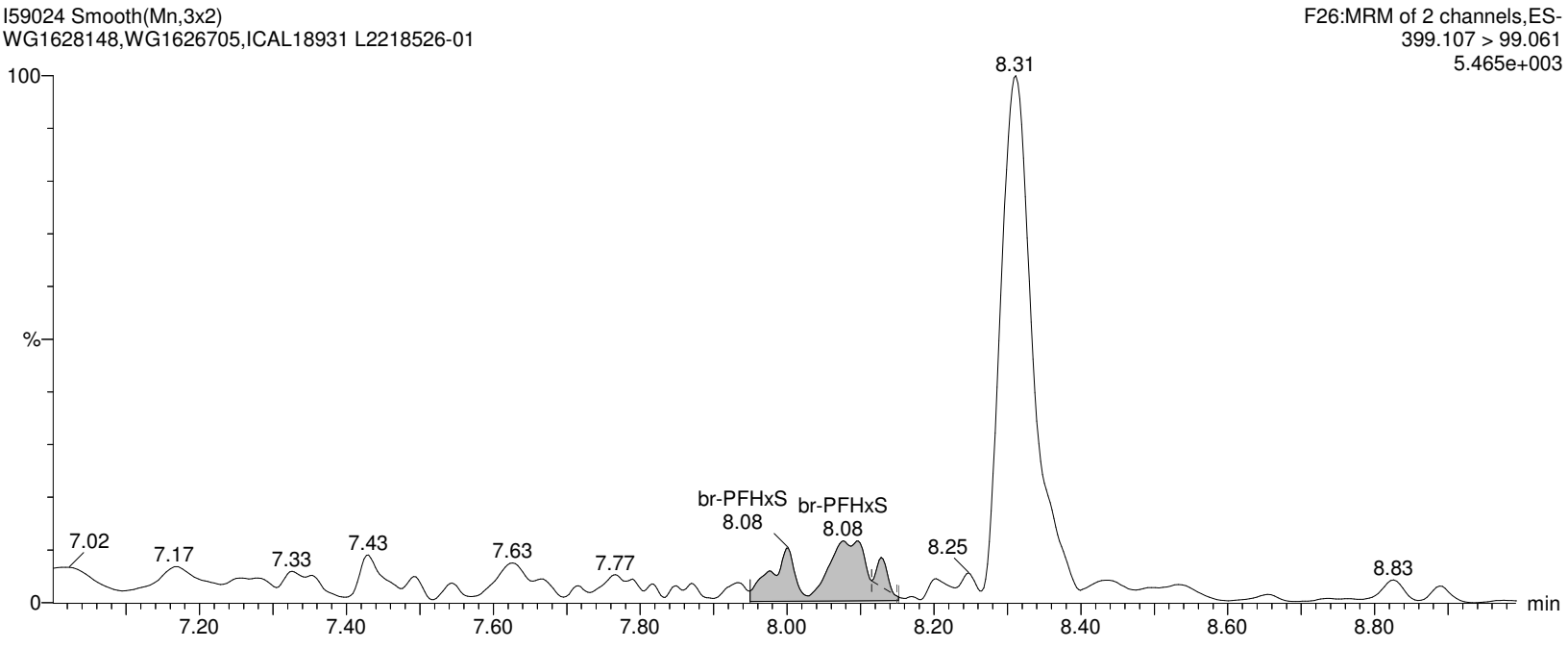
all concentration units in (ng/mL)

Alpha Analytical Inc.
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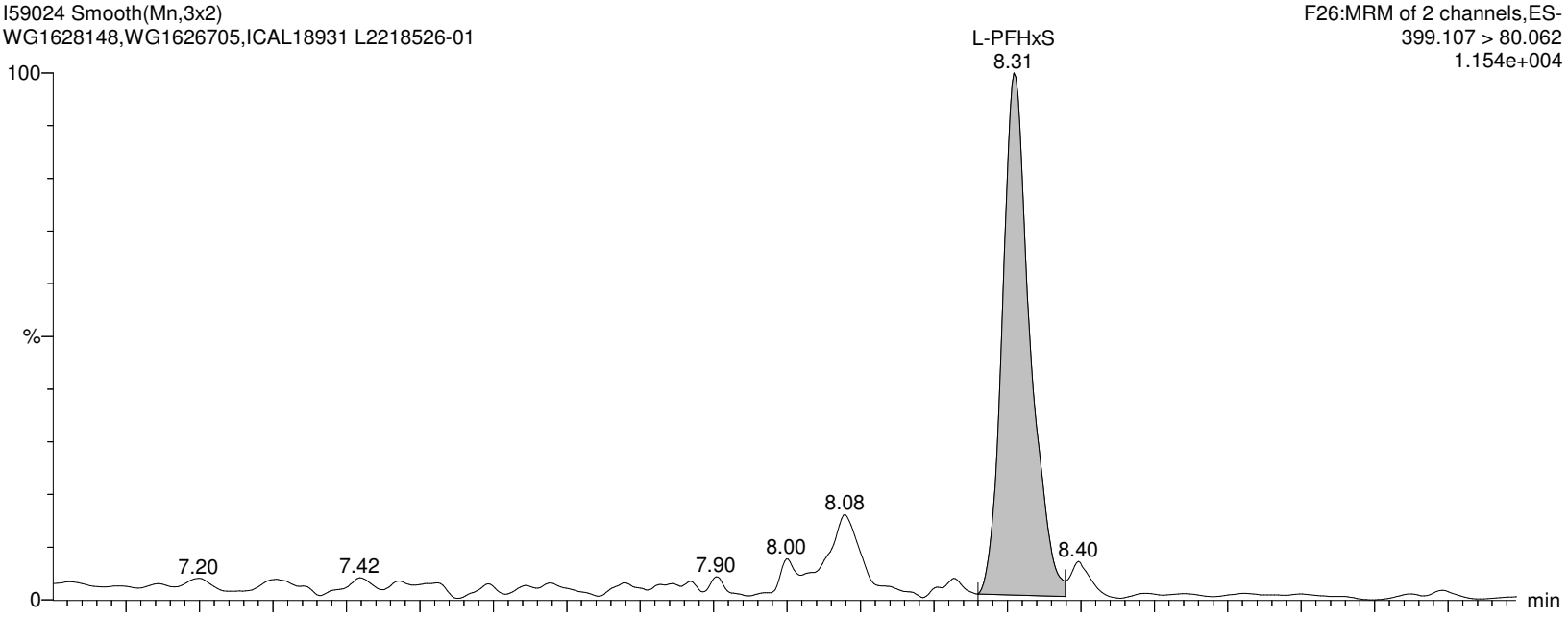


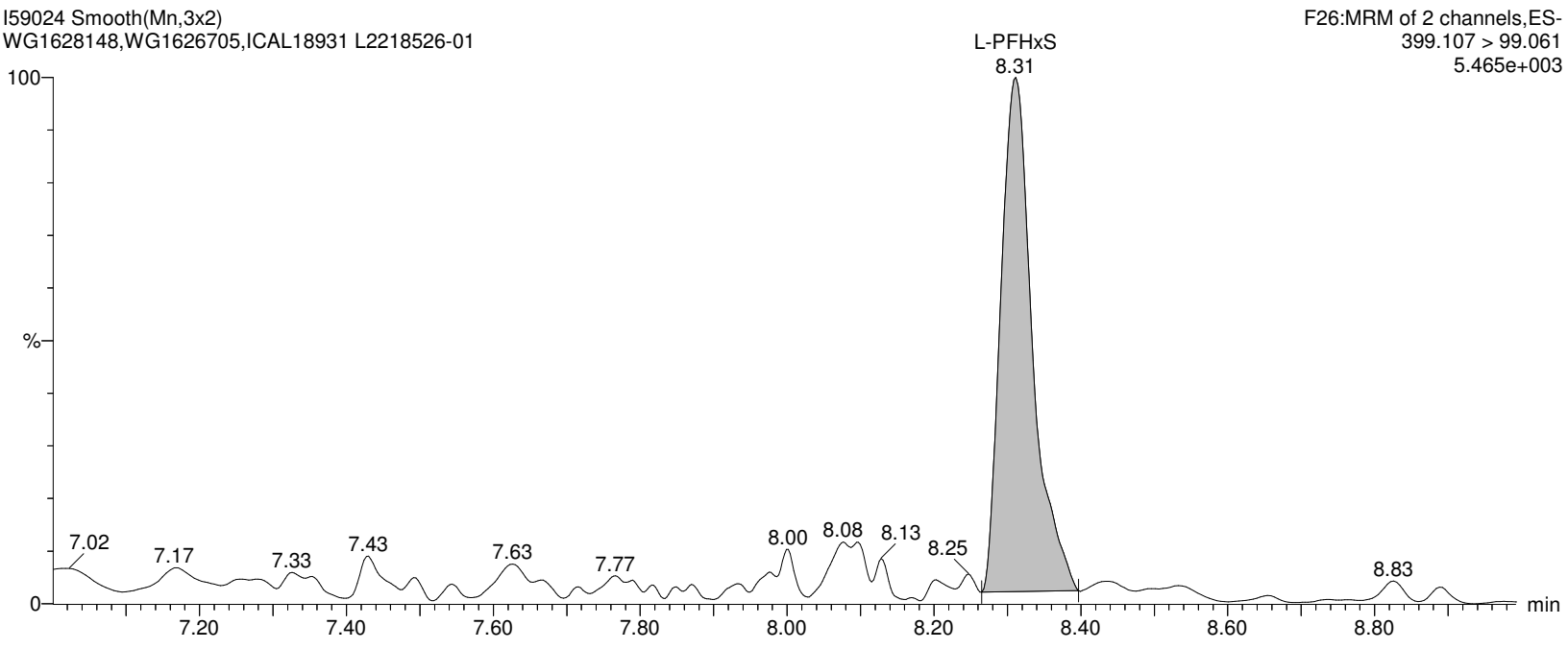
all concentration units in (ng/mL)

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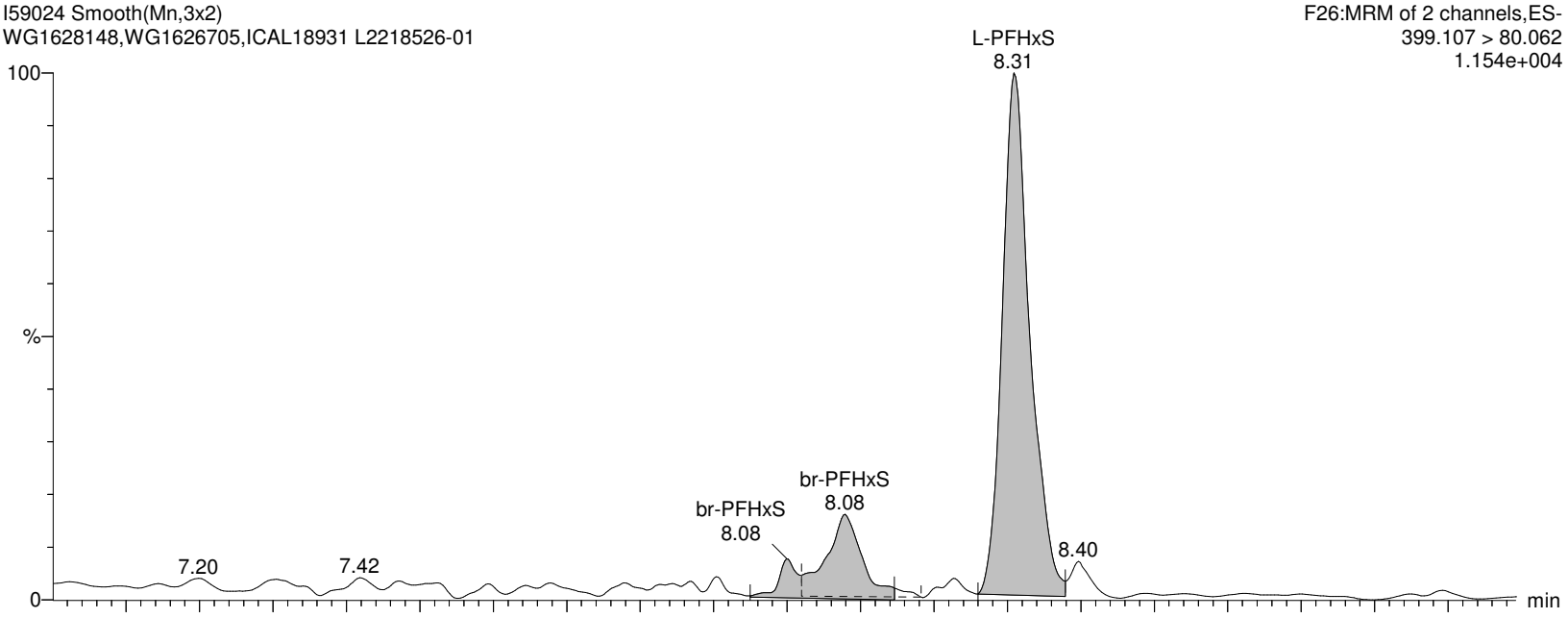


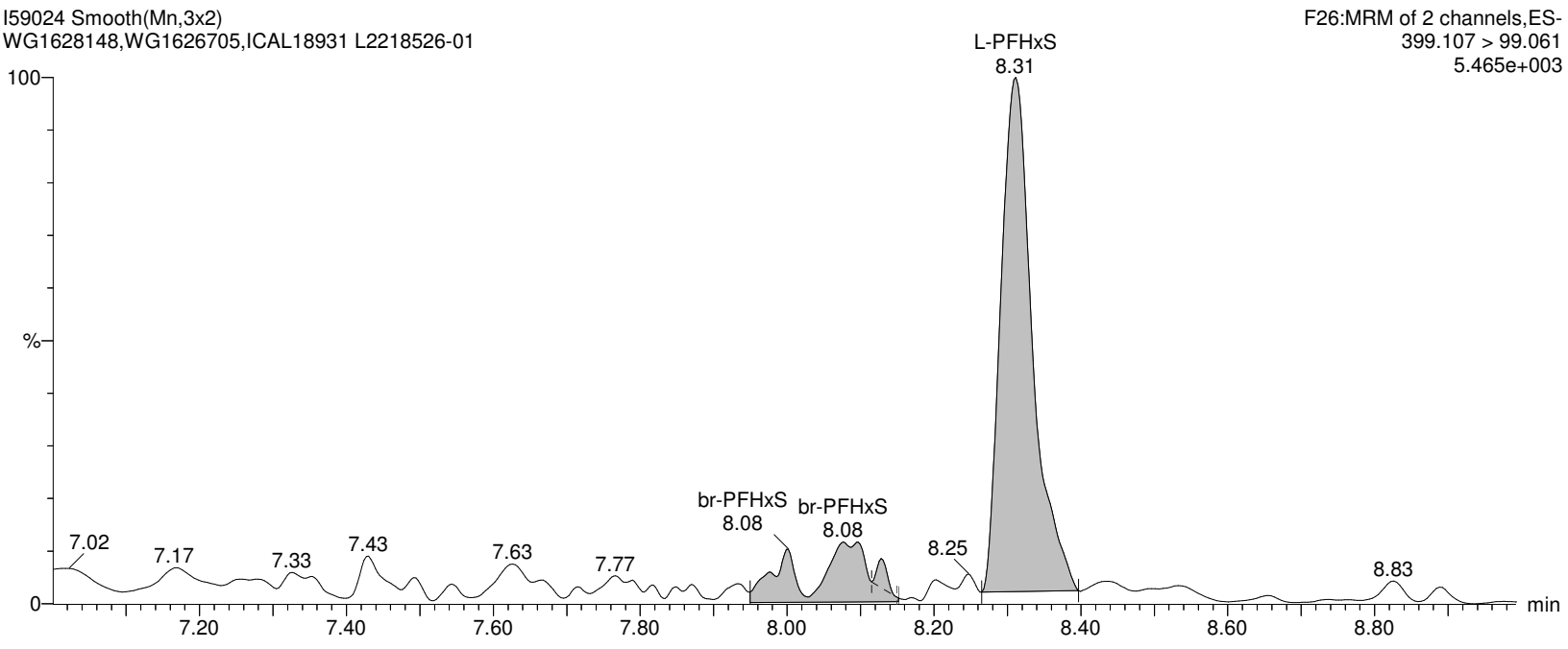
all concentration units in (ng/mL)

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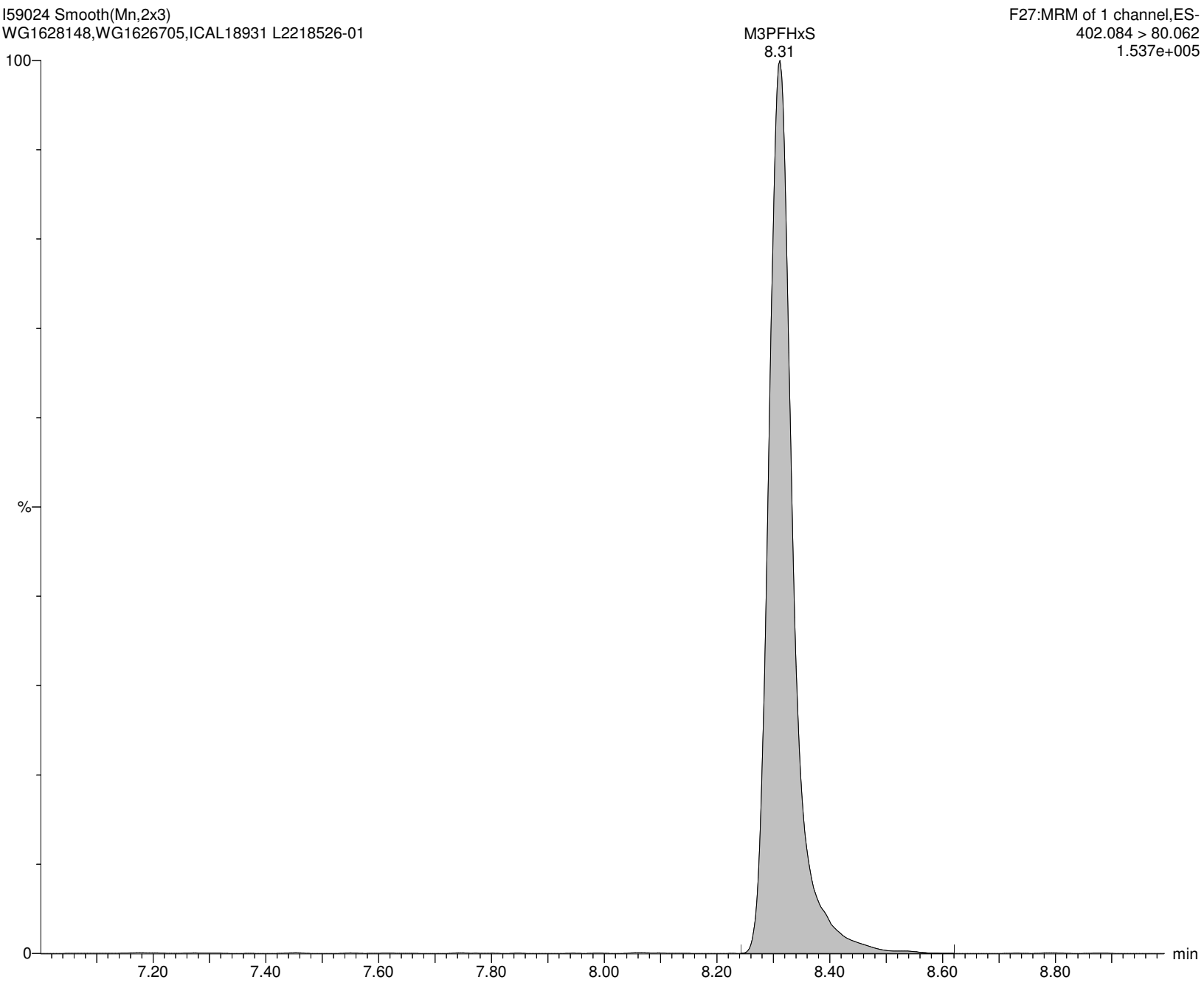


all concentration units in (ng/mL)

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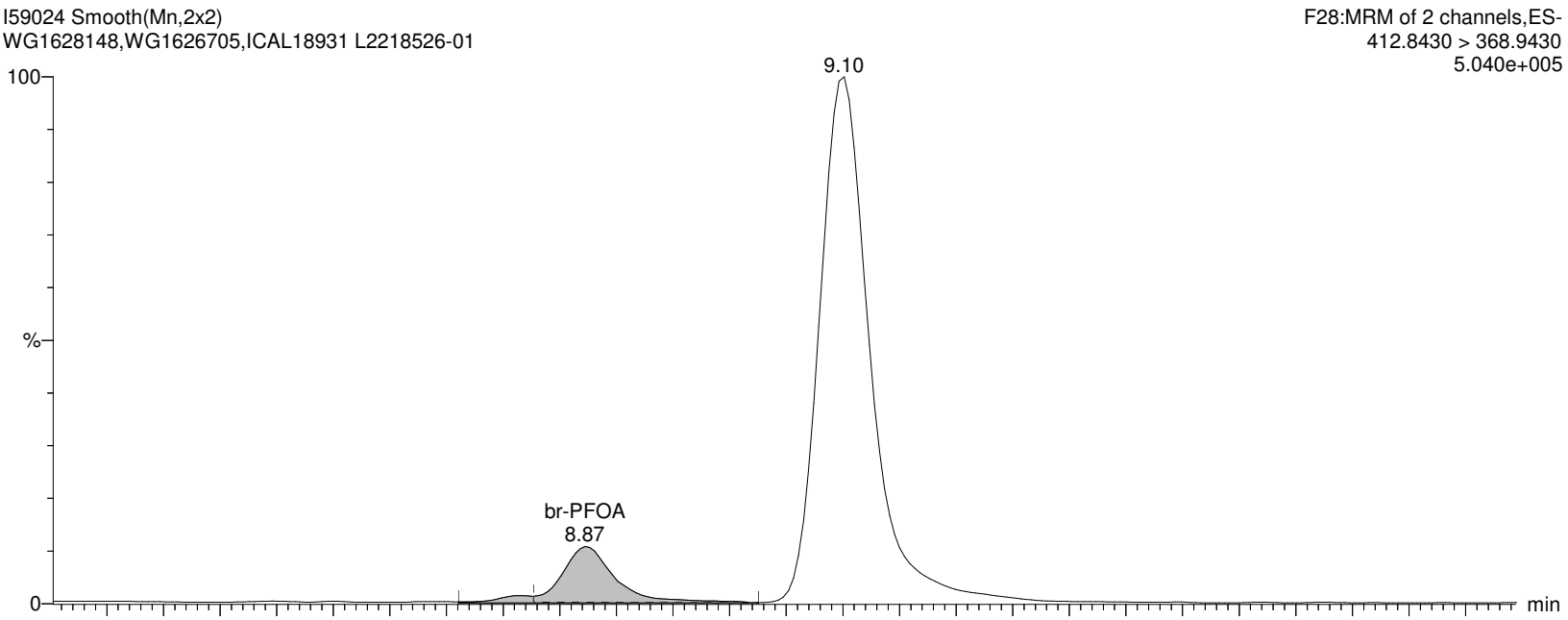


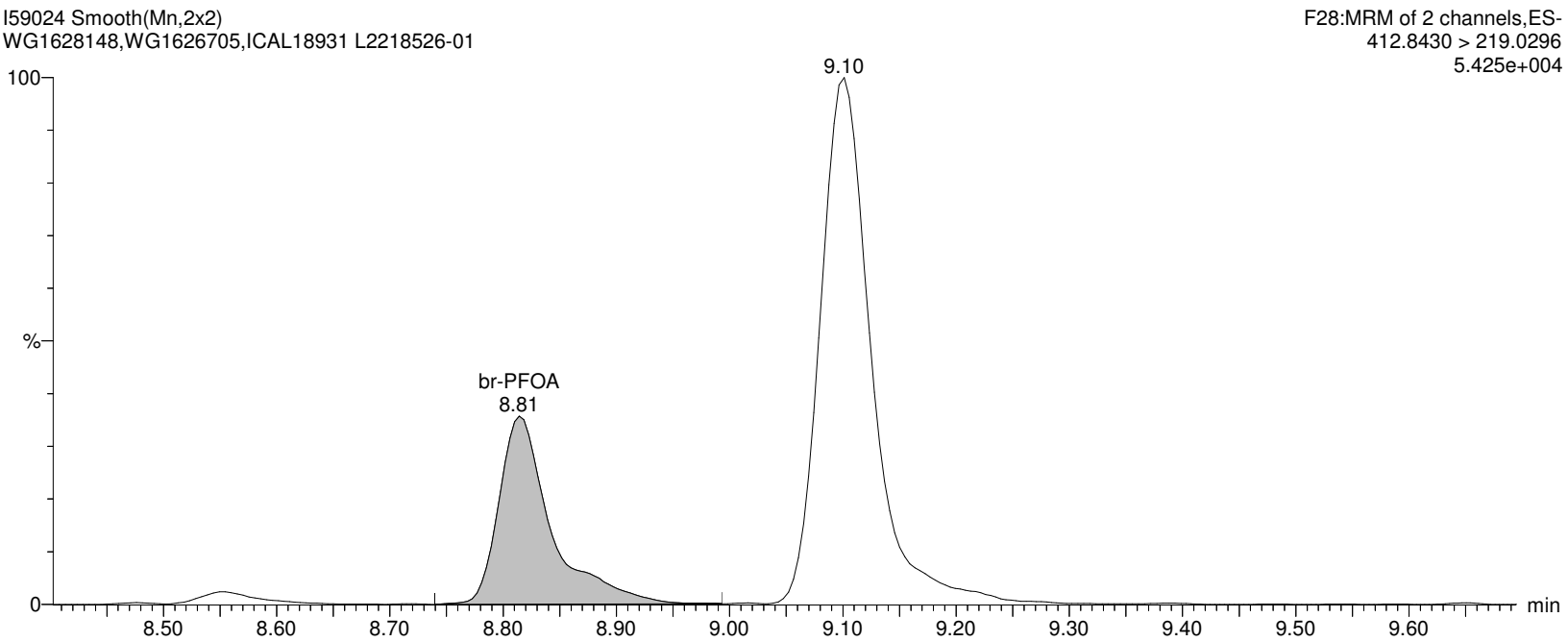
all concentration units in (ng/mL)

Alpha Analytical Inc.
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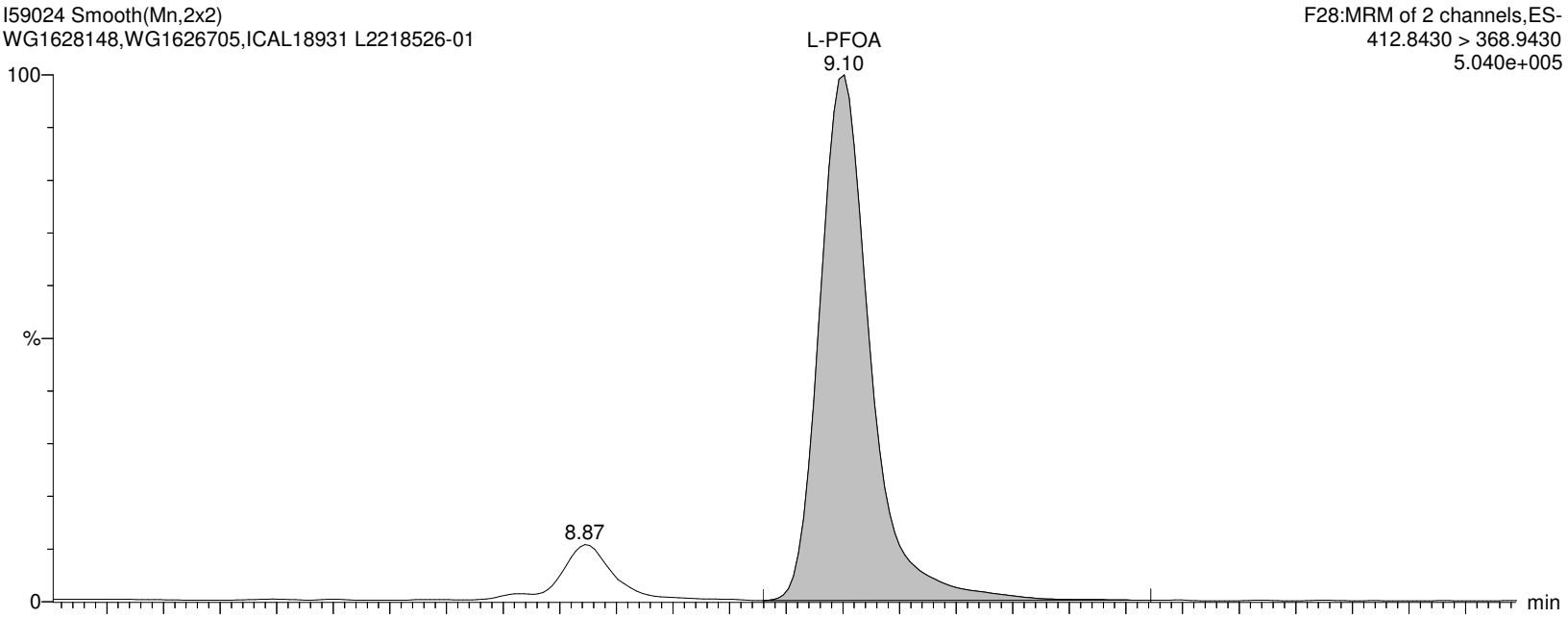


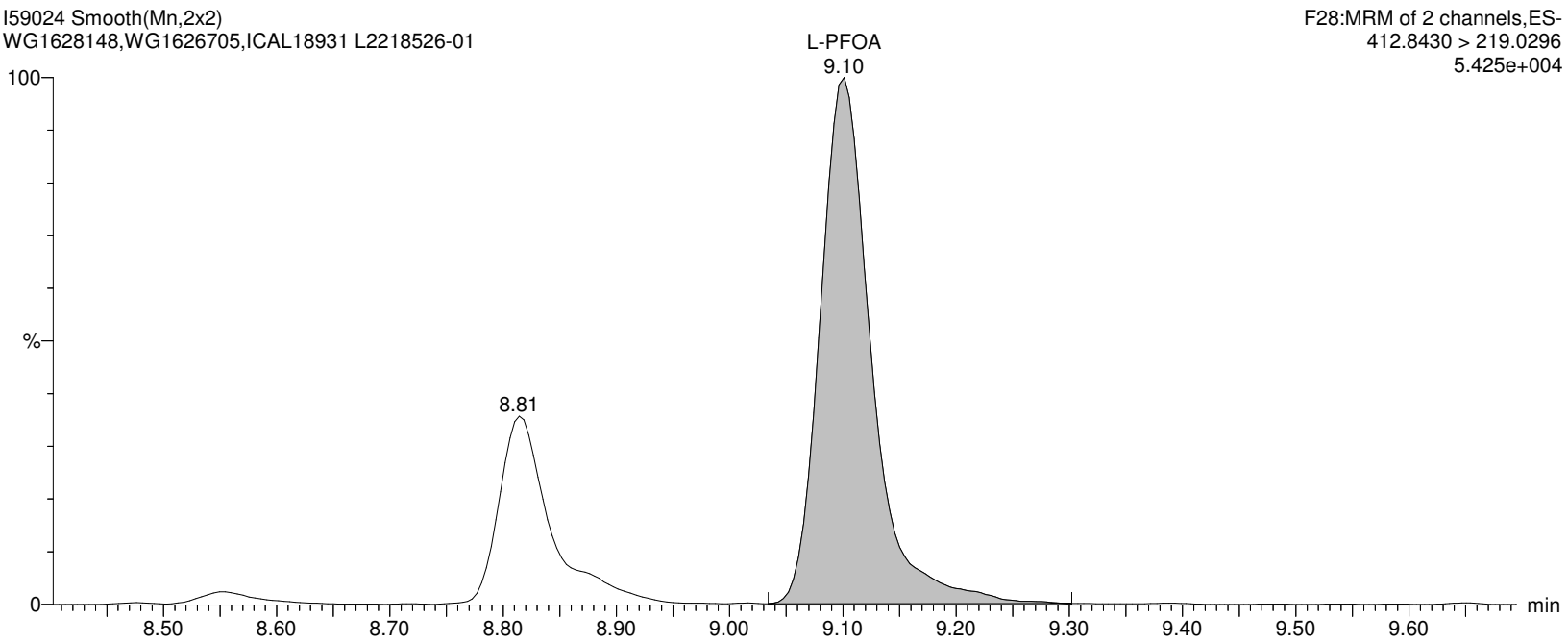
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOA



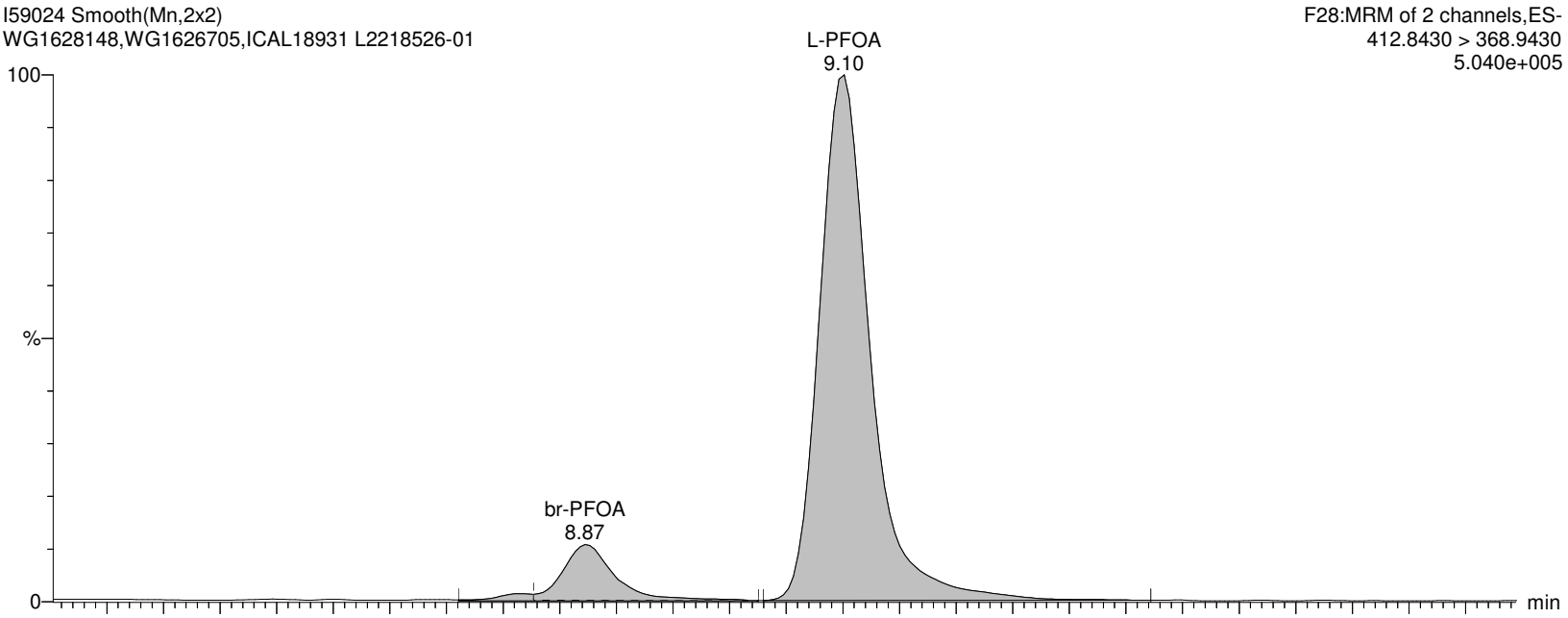


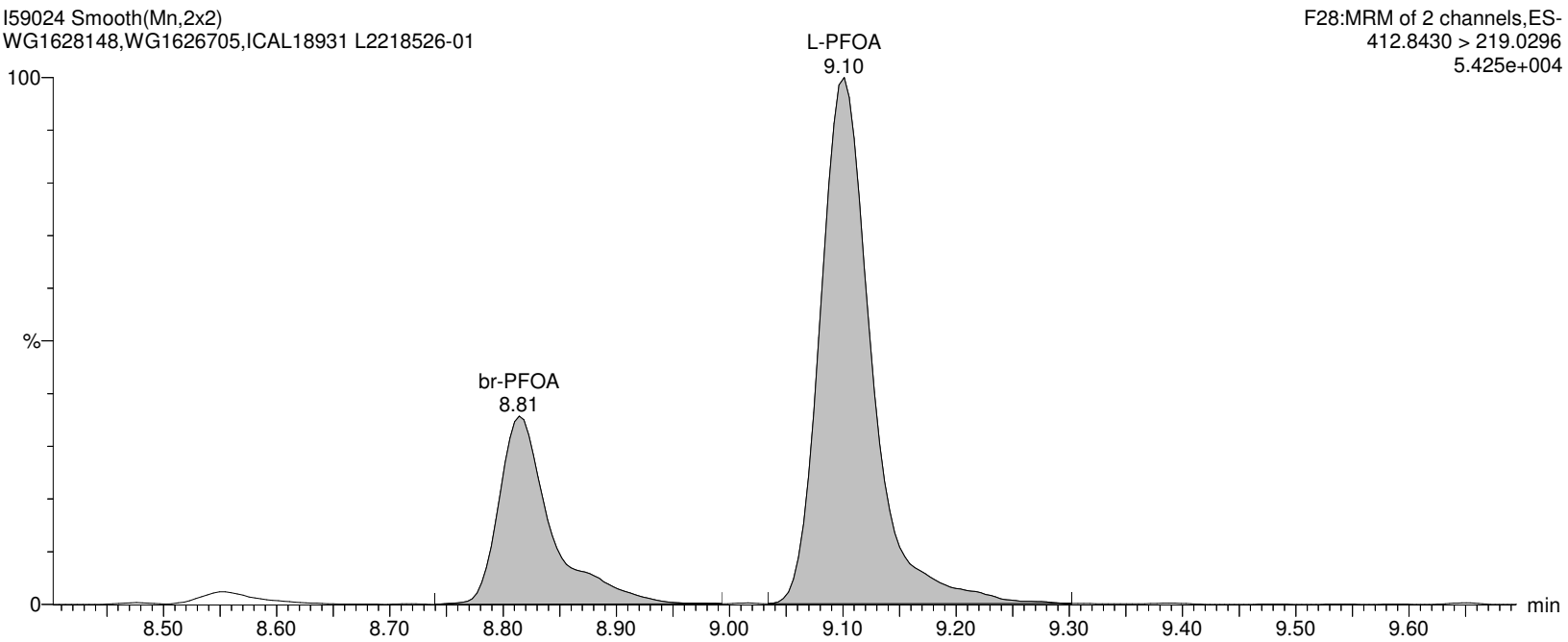
all concentration units in (ng/mL)

Alpha Analytical Inc.
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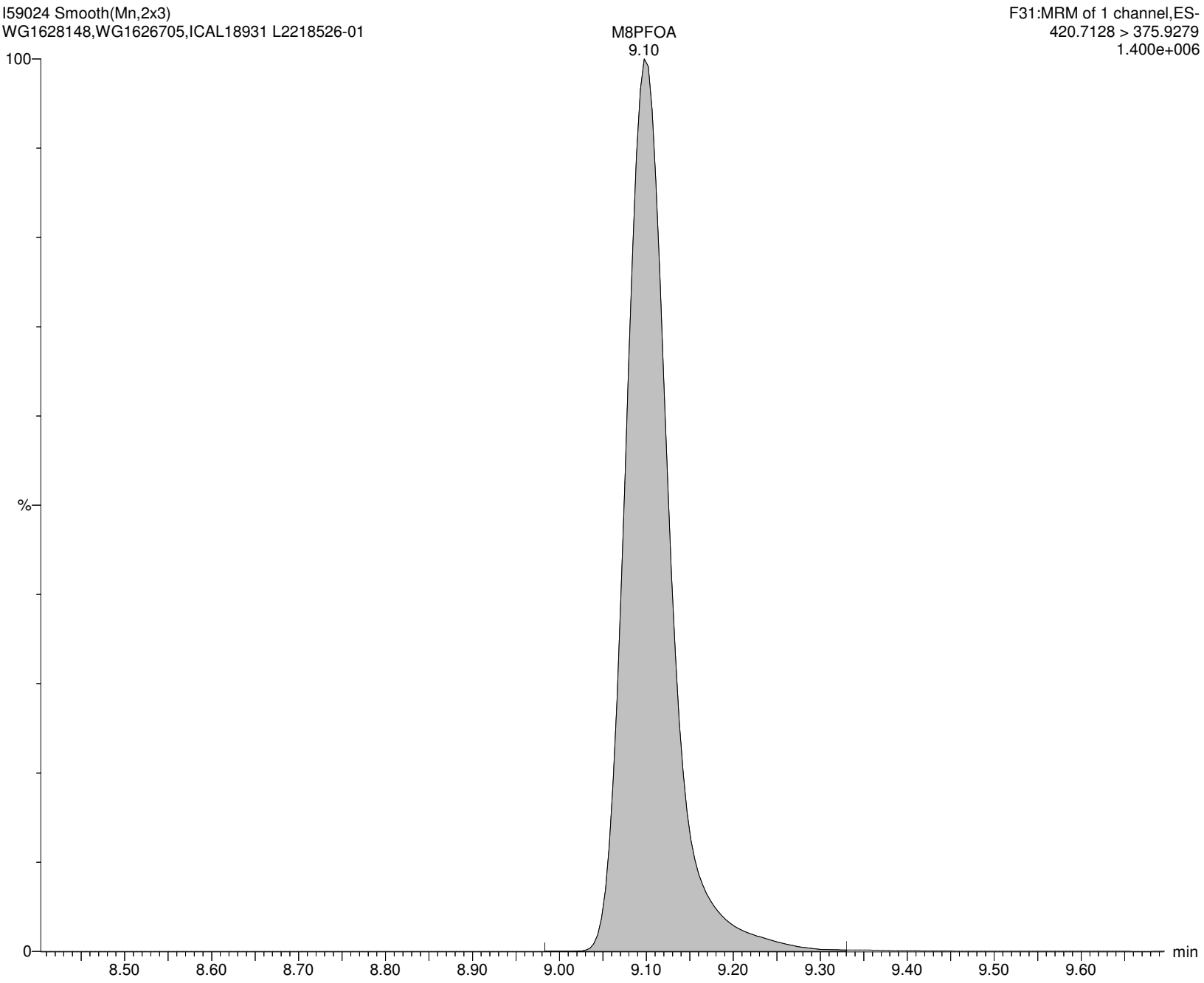


all concentration units in (ng/mL)

Alpha Analytical Inc.
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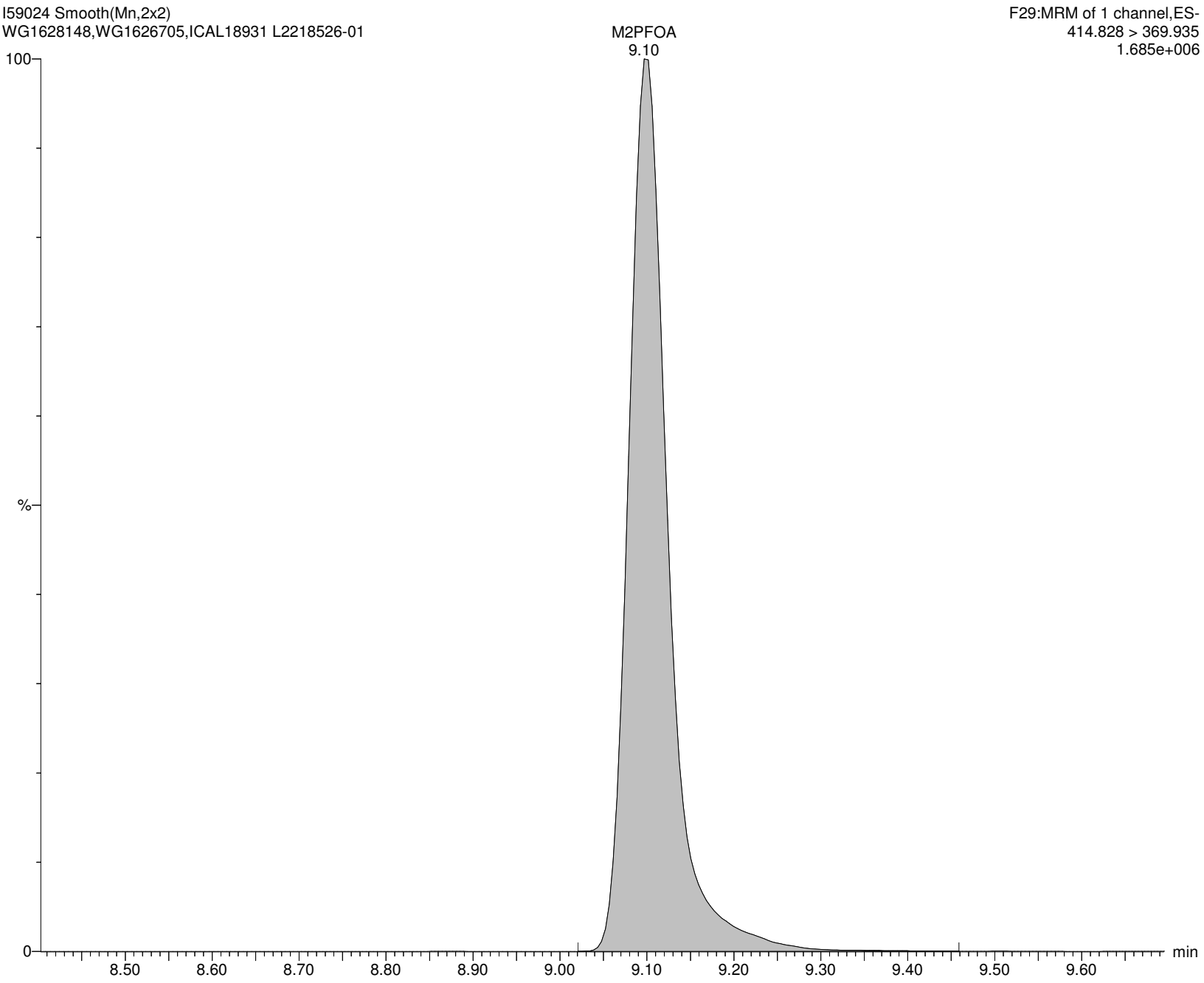


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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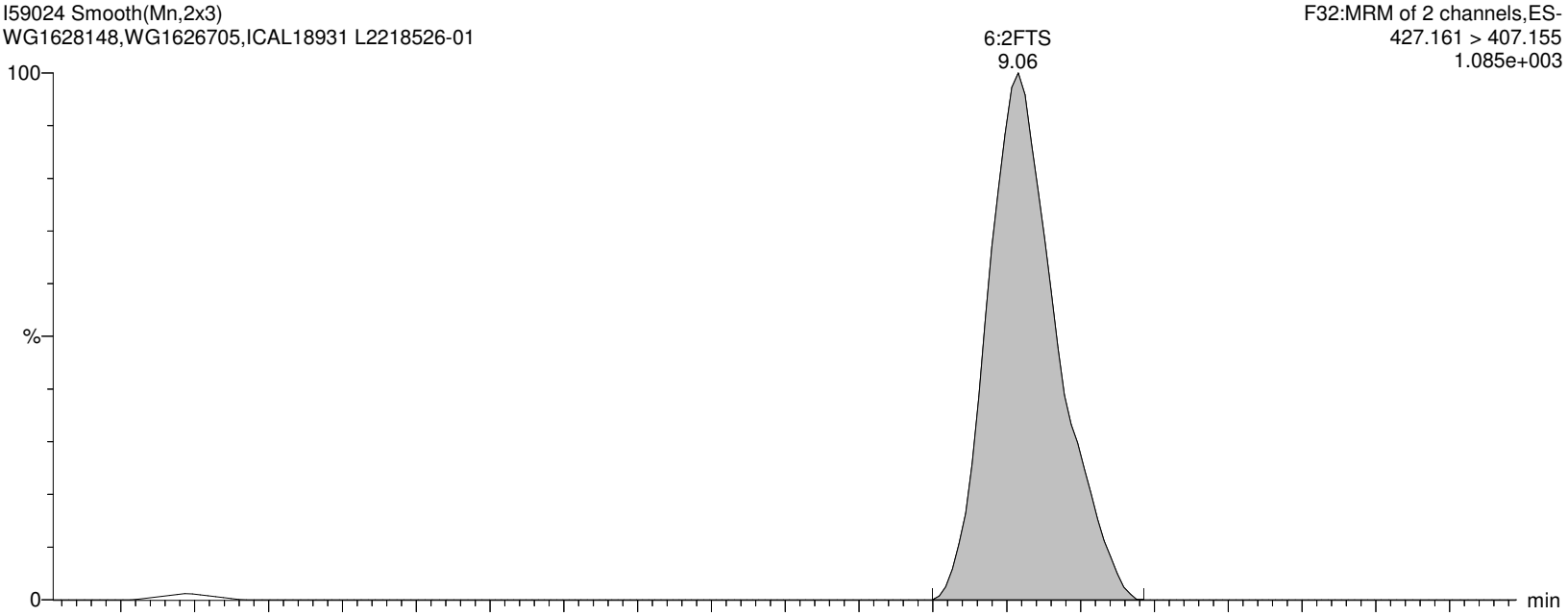


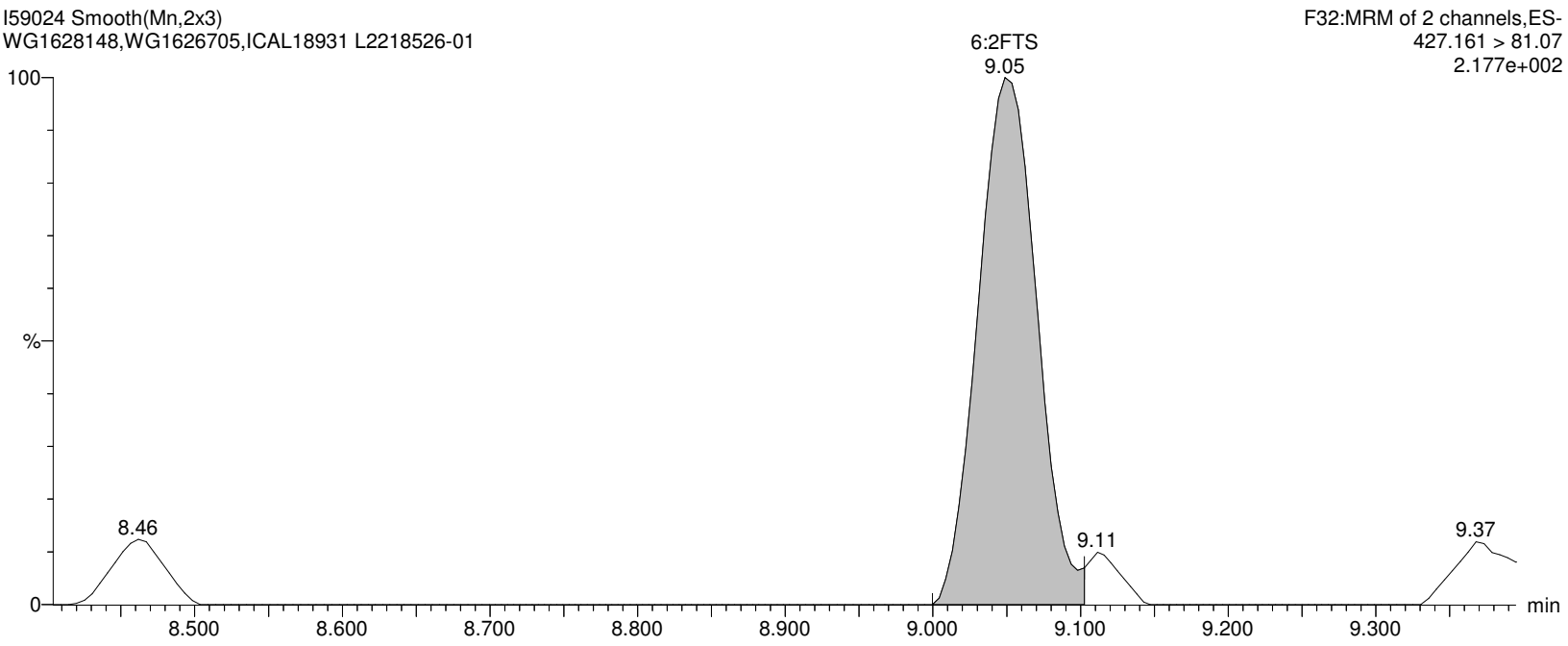
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



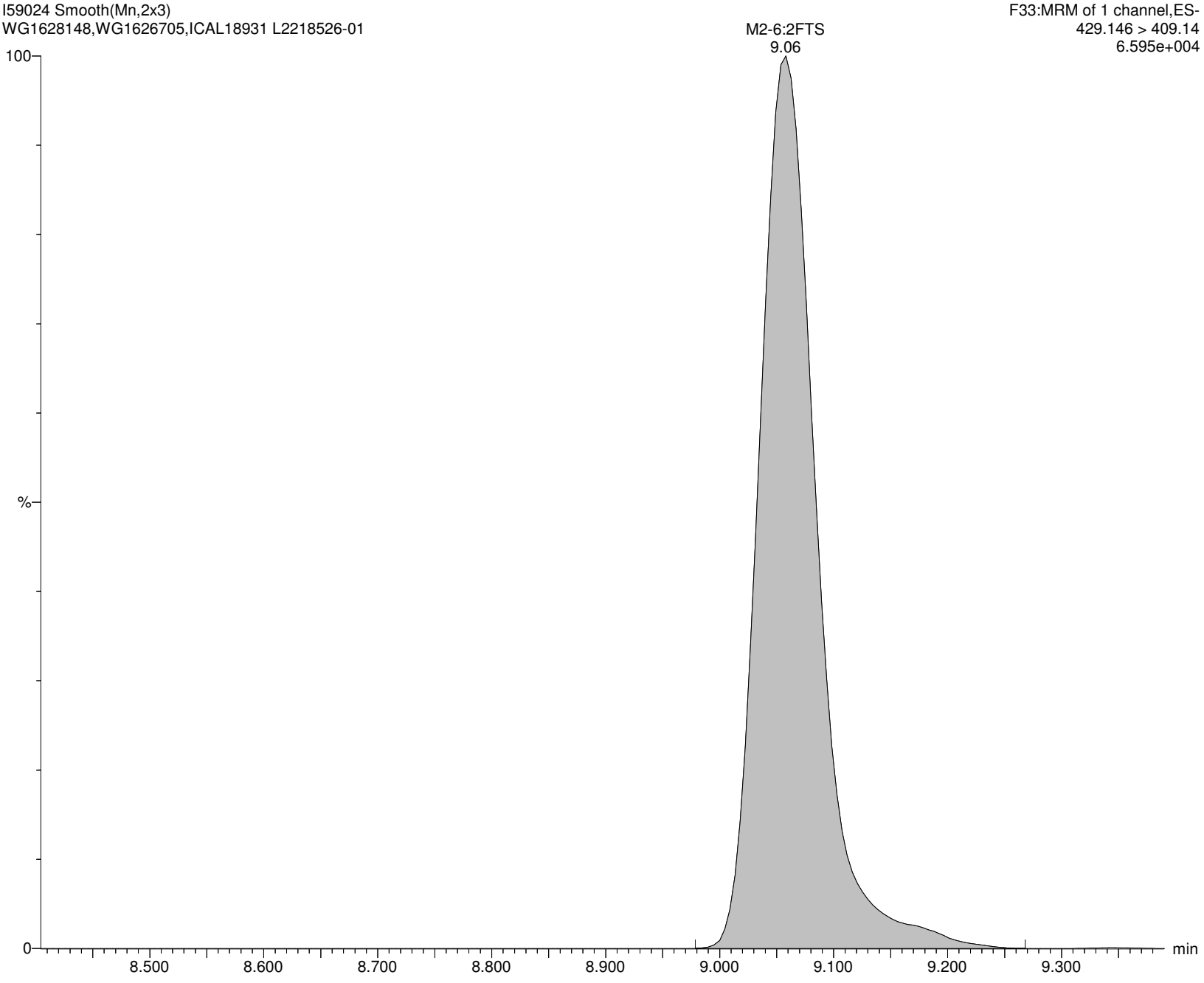


all concentration units in (ng/mL)

Alpha Analytical Inc.
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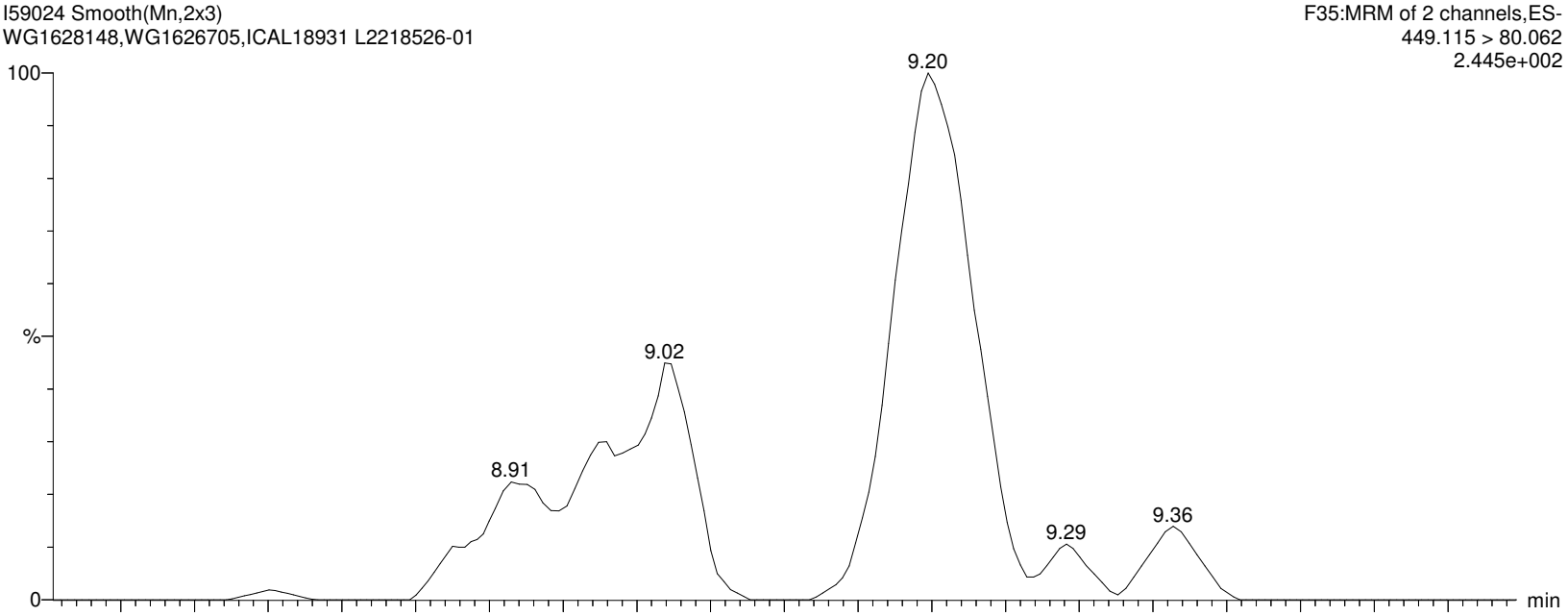


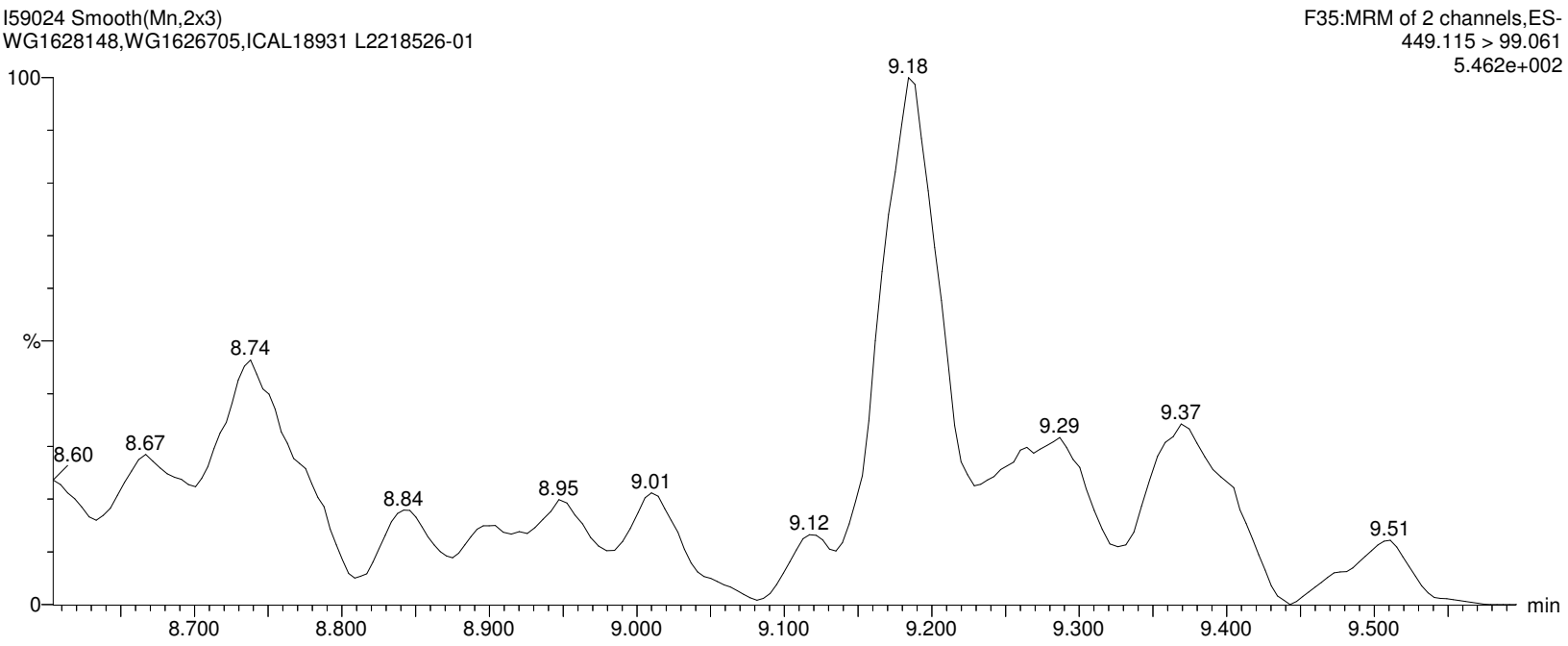
all concentration units in (ng/mL)

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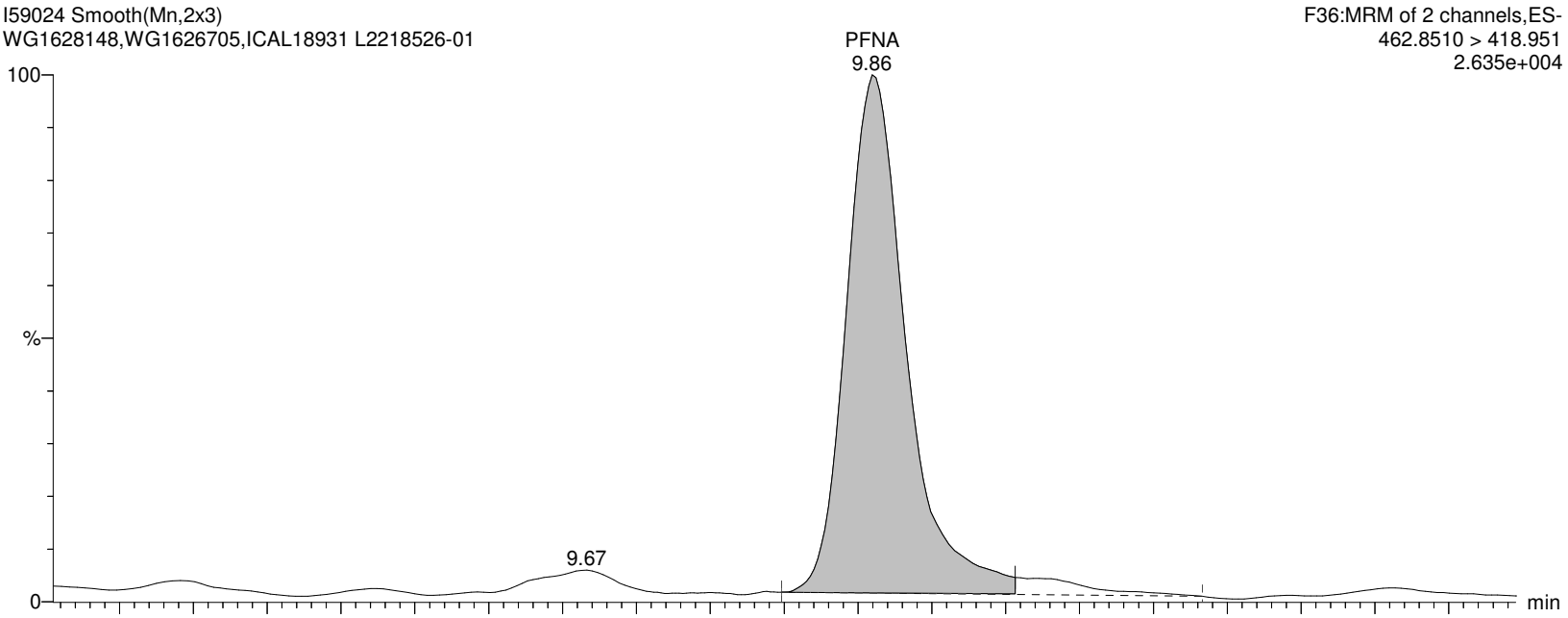


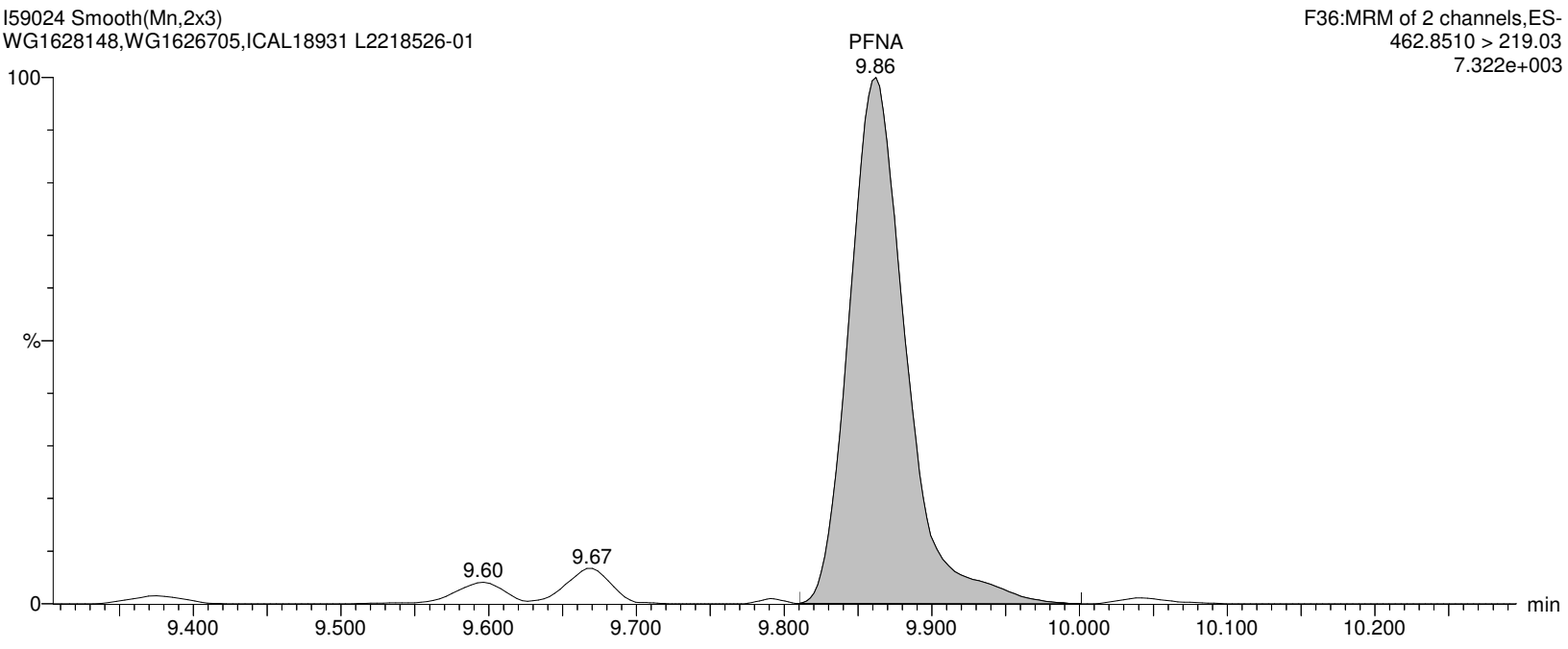
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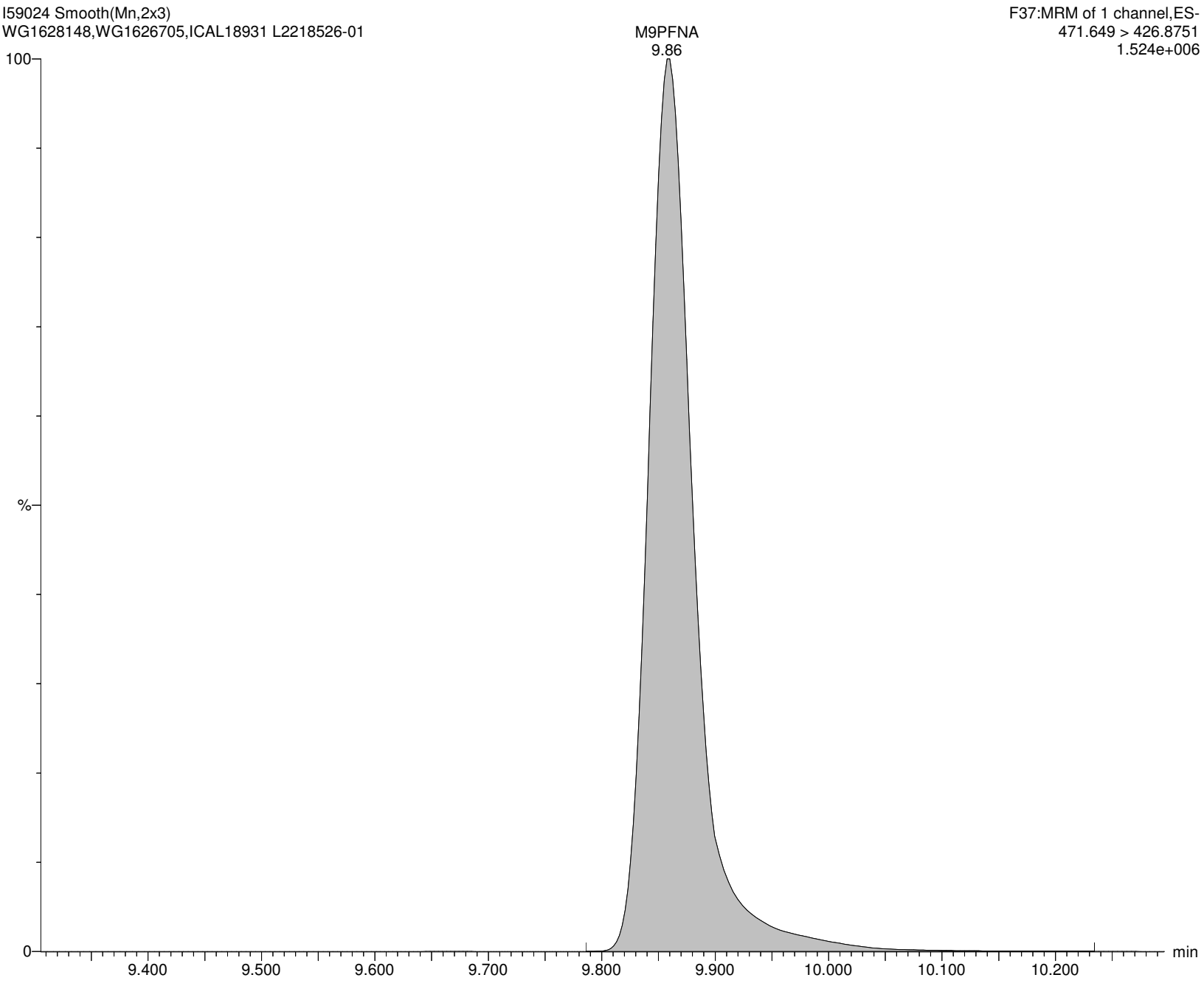


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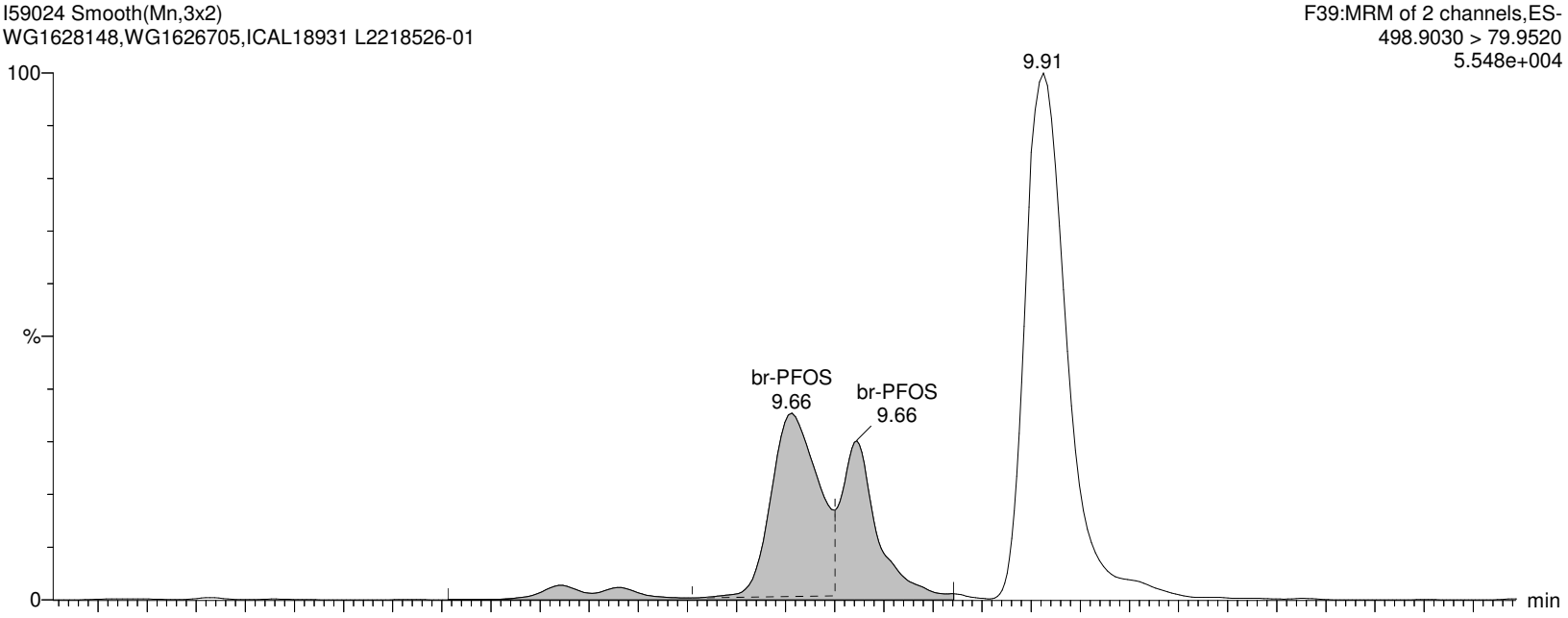


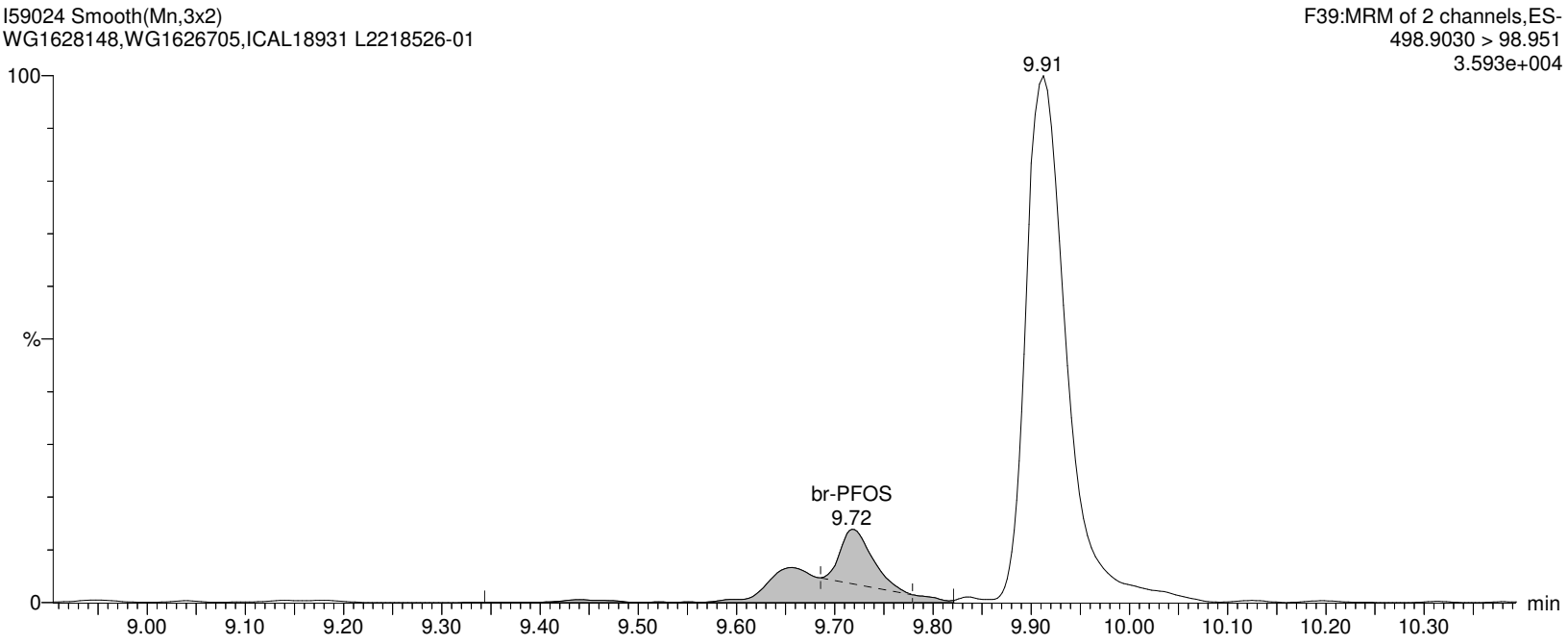
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:02 Eastern Daylight Time

Name: I59024
ID: L2218526-01
Date: 17-Apr-2022
Time: 23:55:10
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User: LCMS02:SG
Vial: 1:D,1
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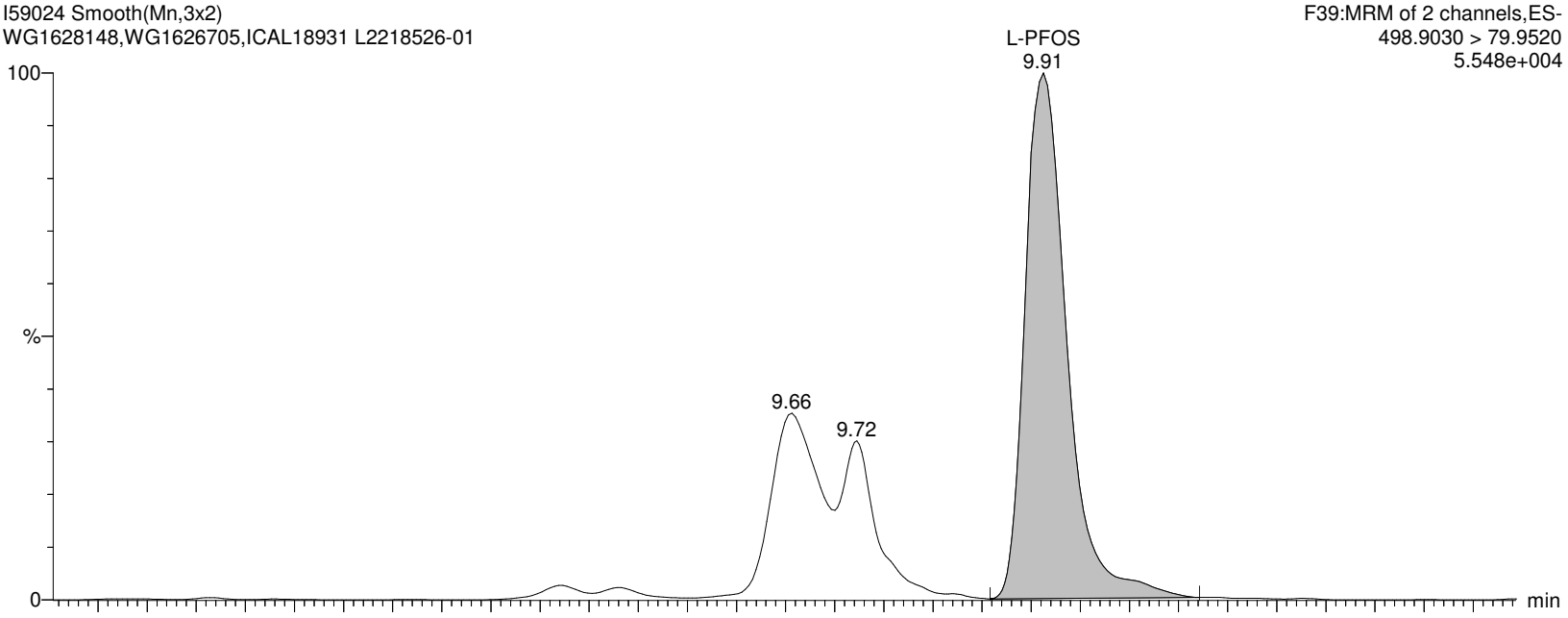


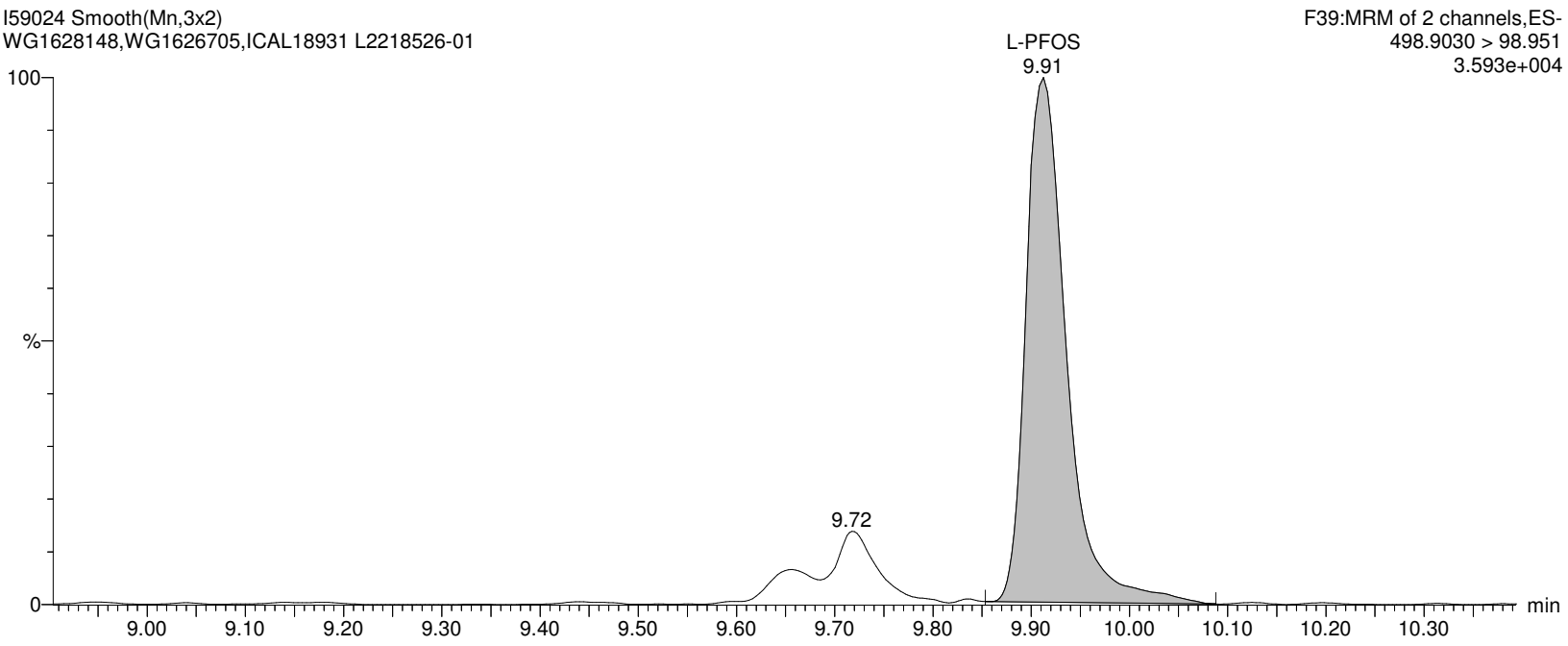
all concentration units in (ng/mL)

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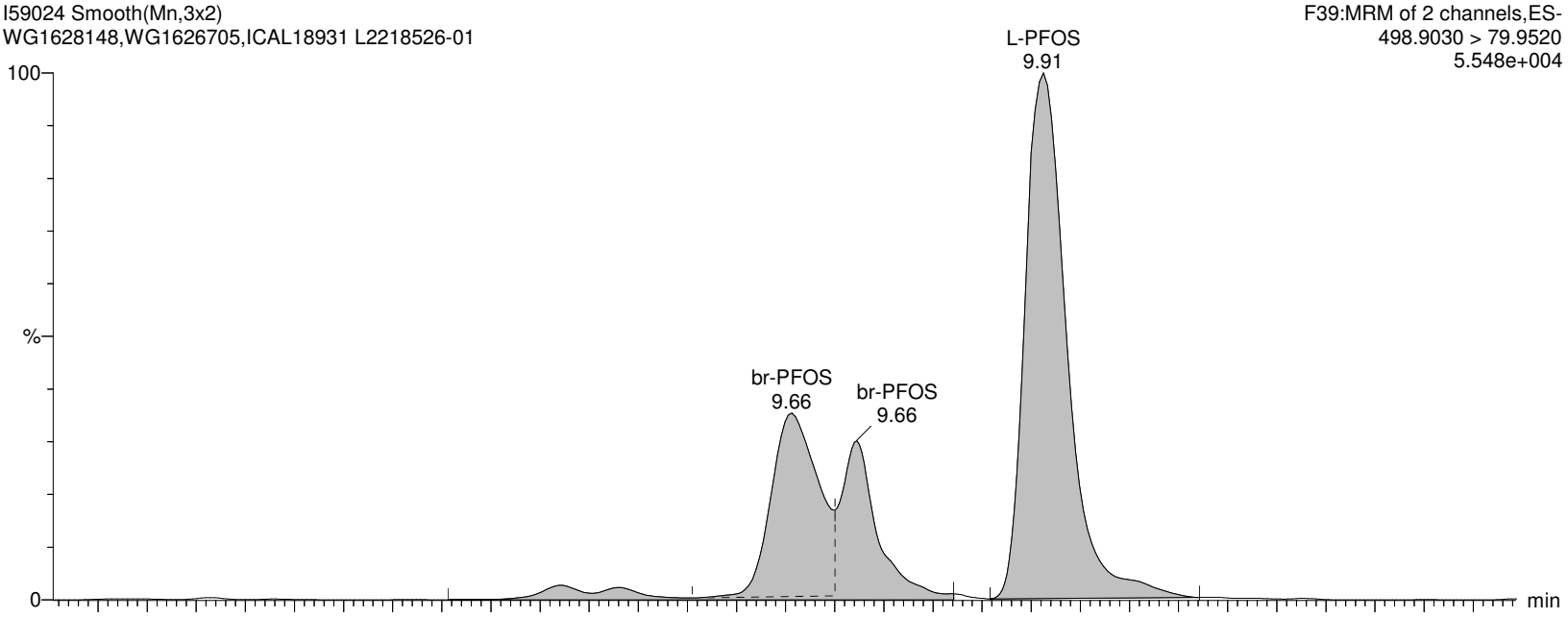


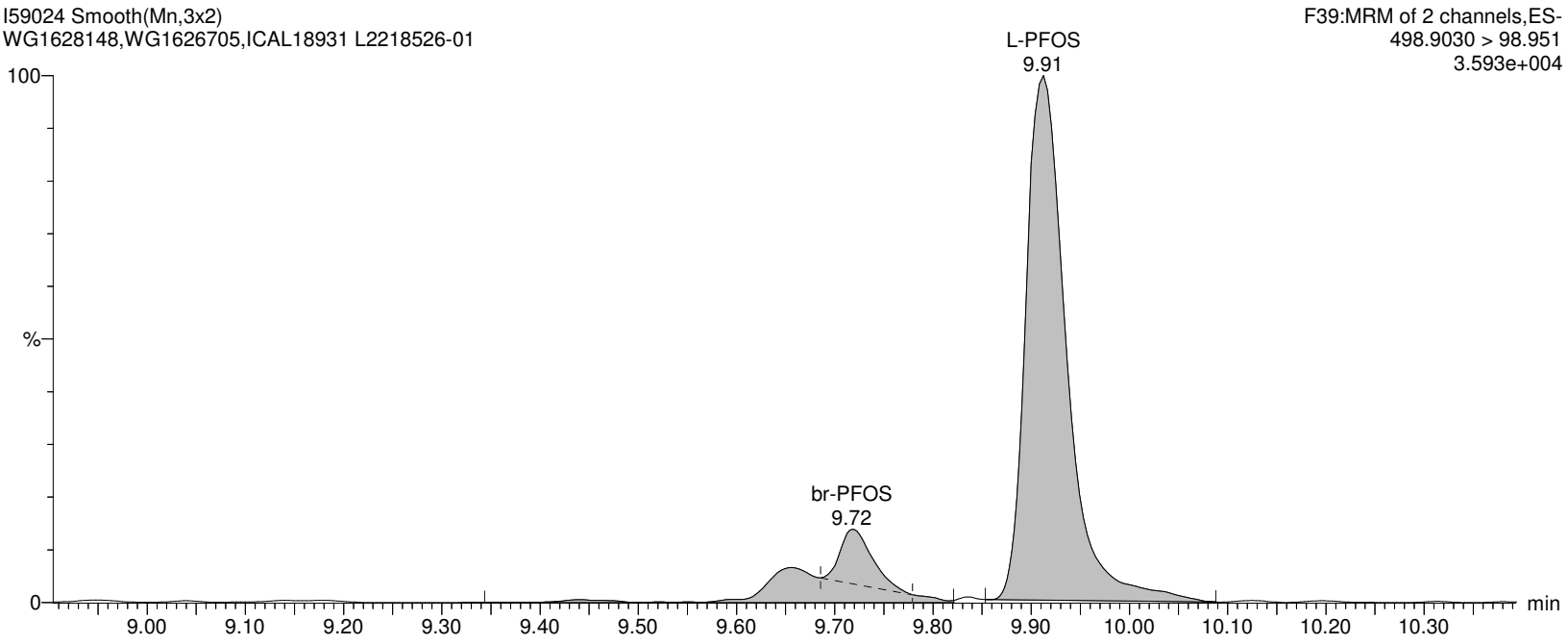
all concentration units in (ng/mL)

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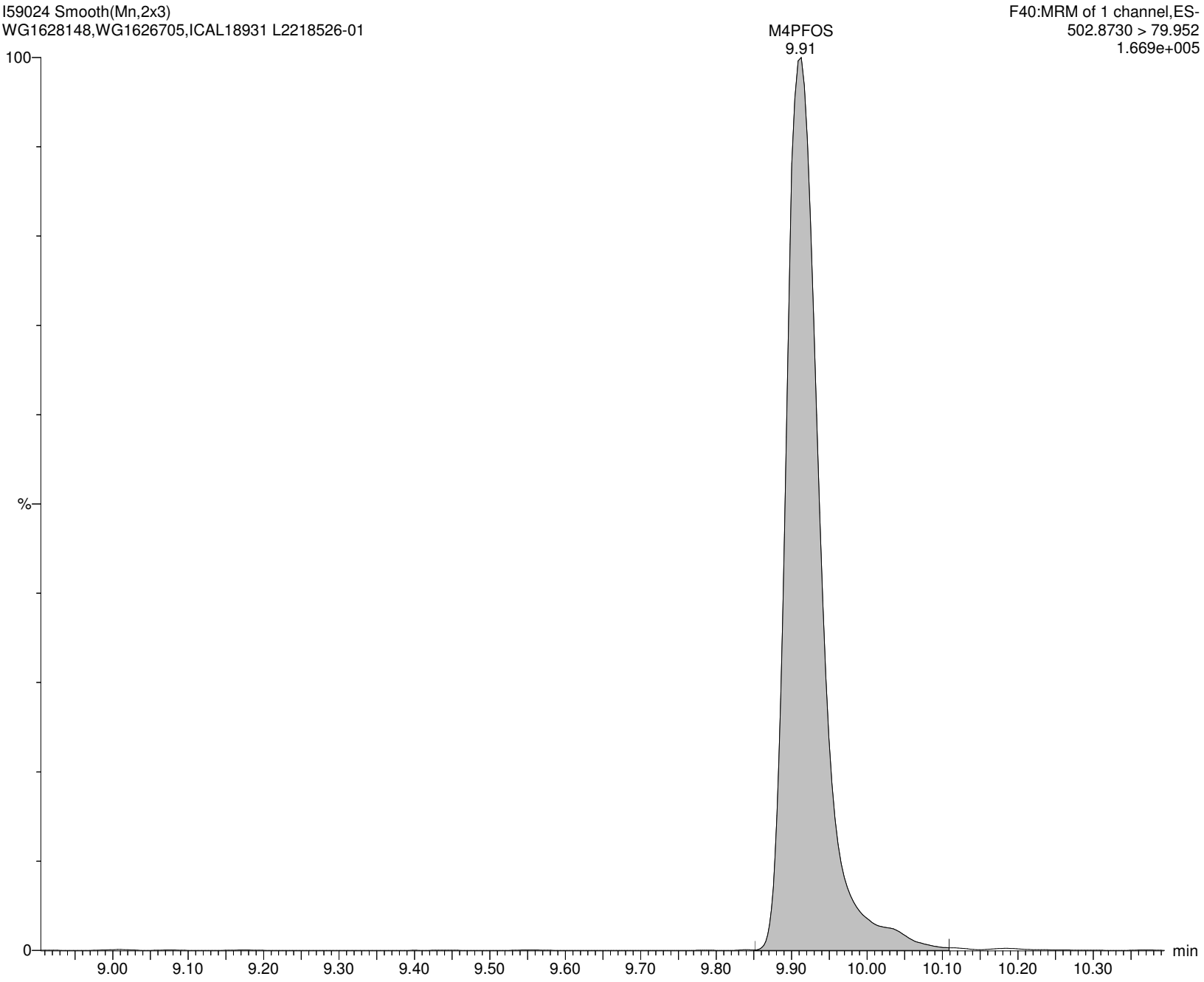


all concentration units in (ng/mL)

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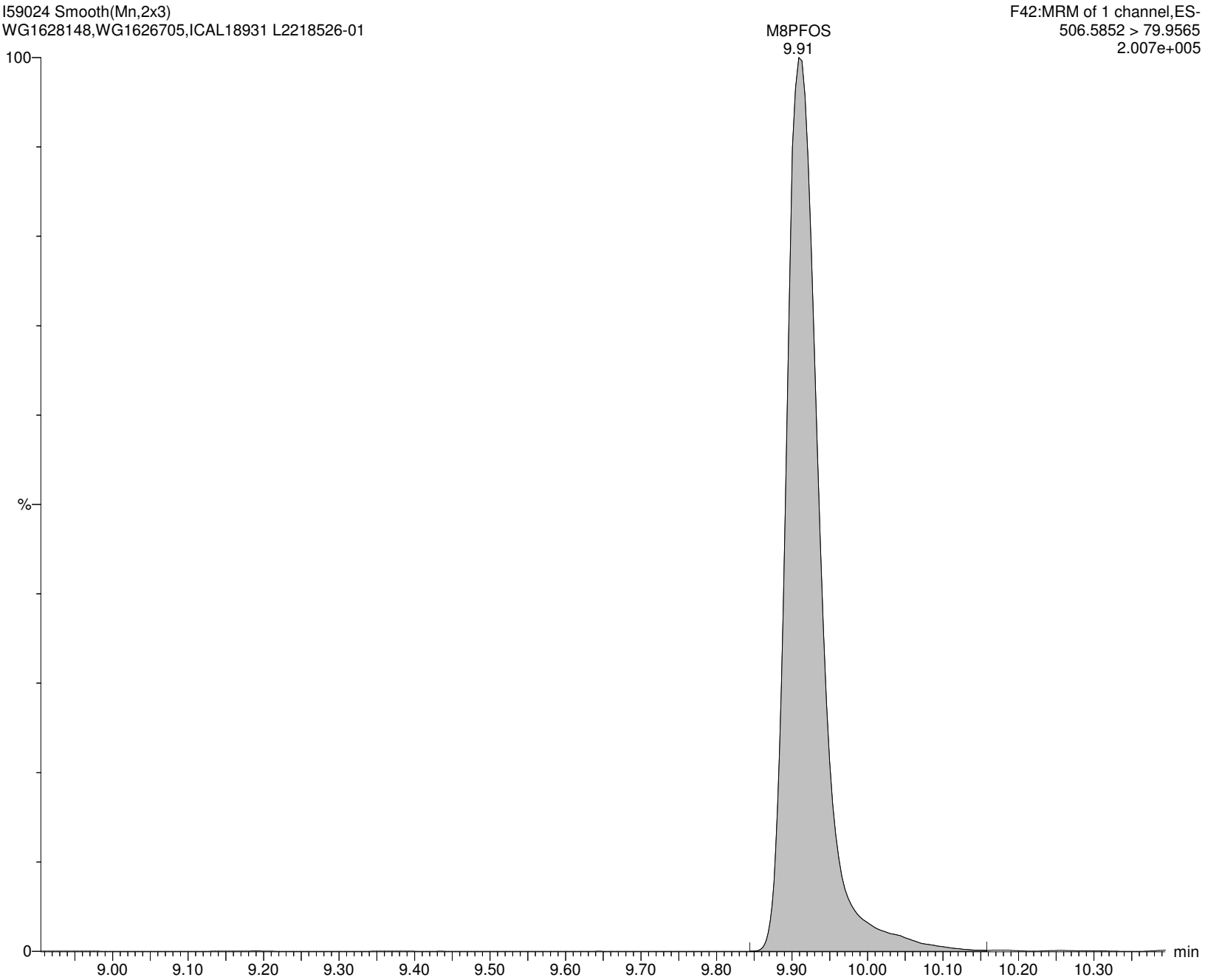


all concentration units in (ng/mL)

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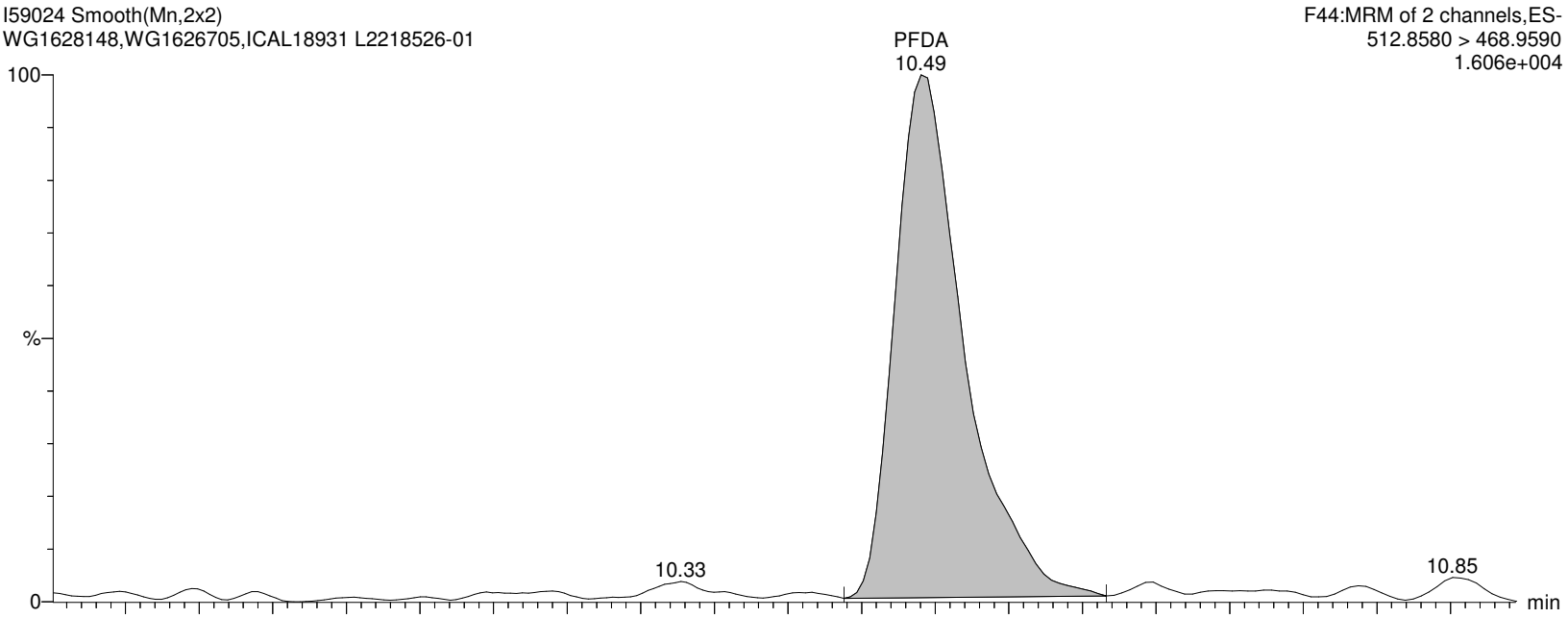


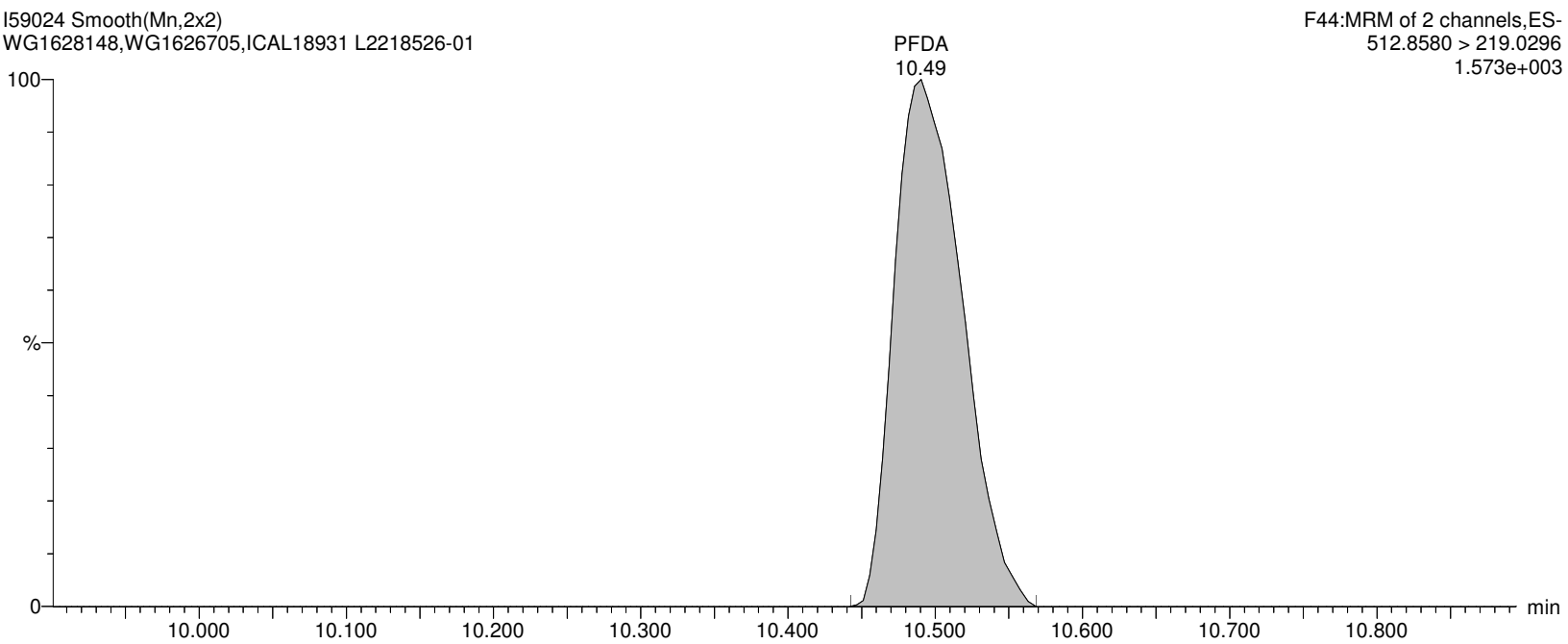
all concentration units in (ng/mL)

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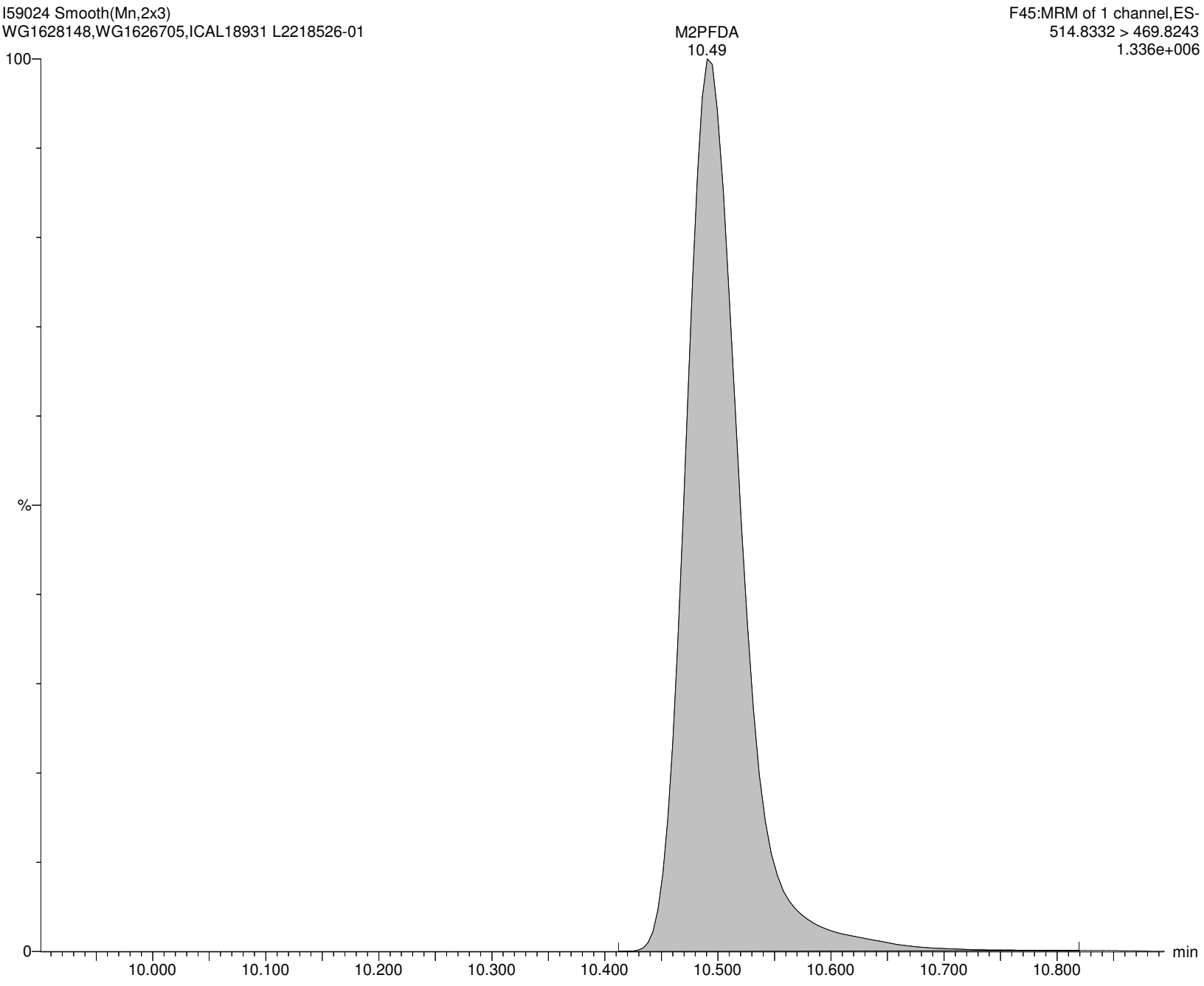


all concentration units in (ng/mL)

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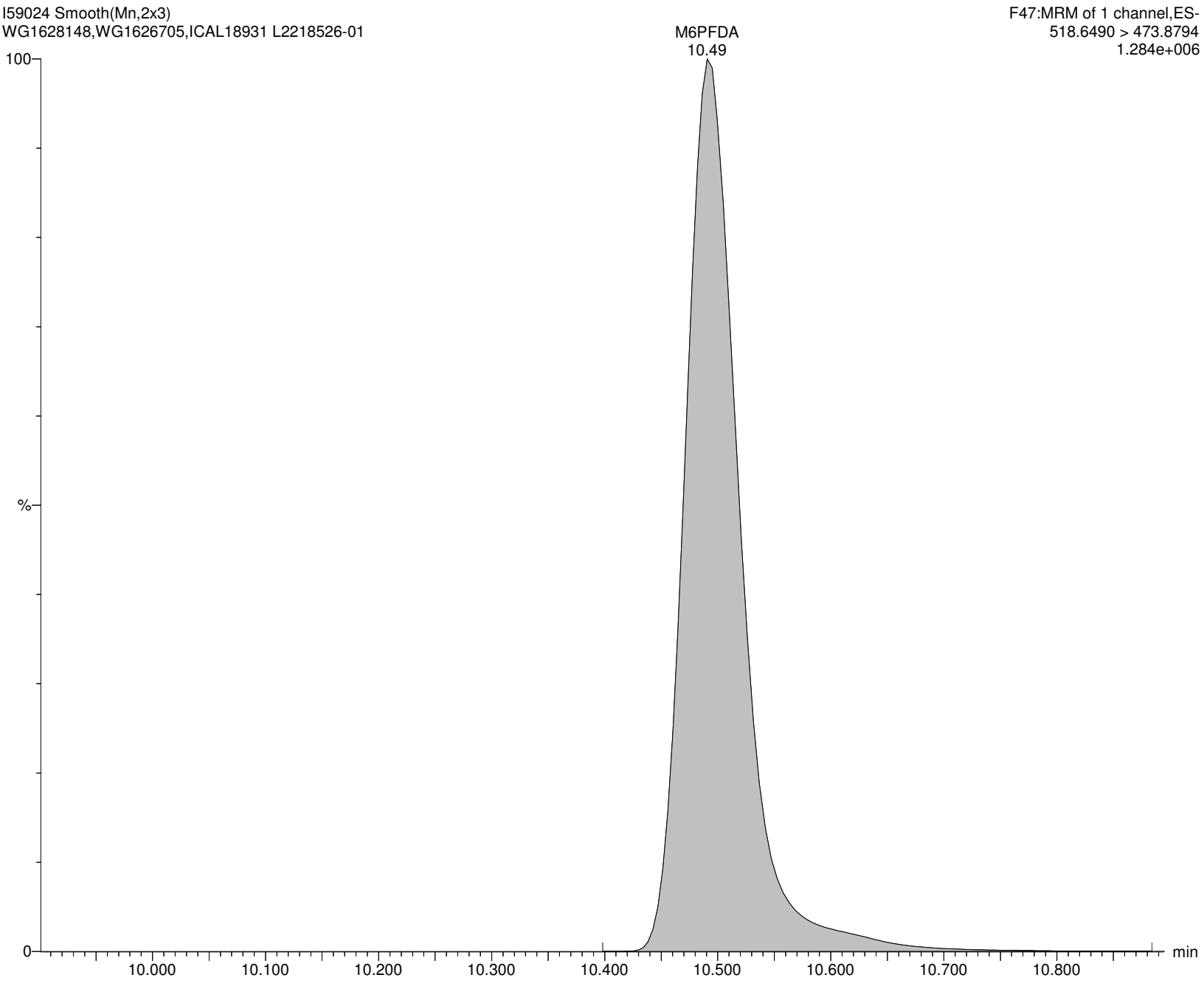


all concentration units in (ng/mL)

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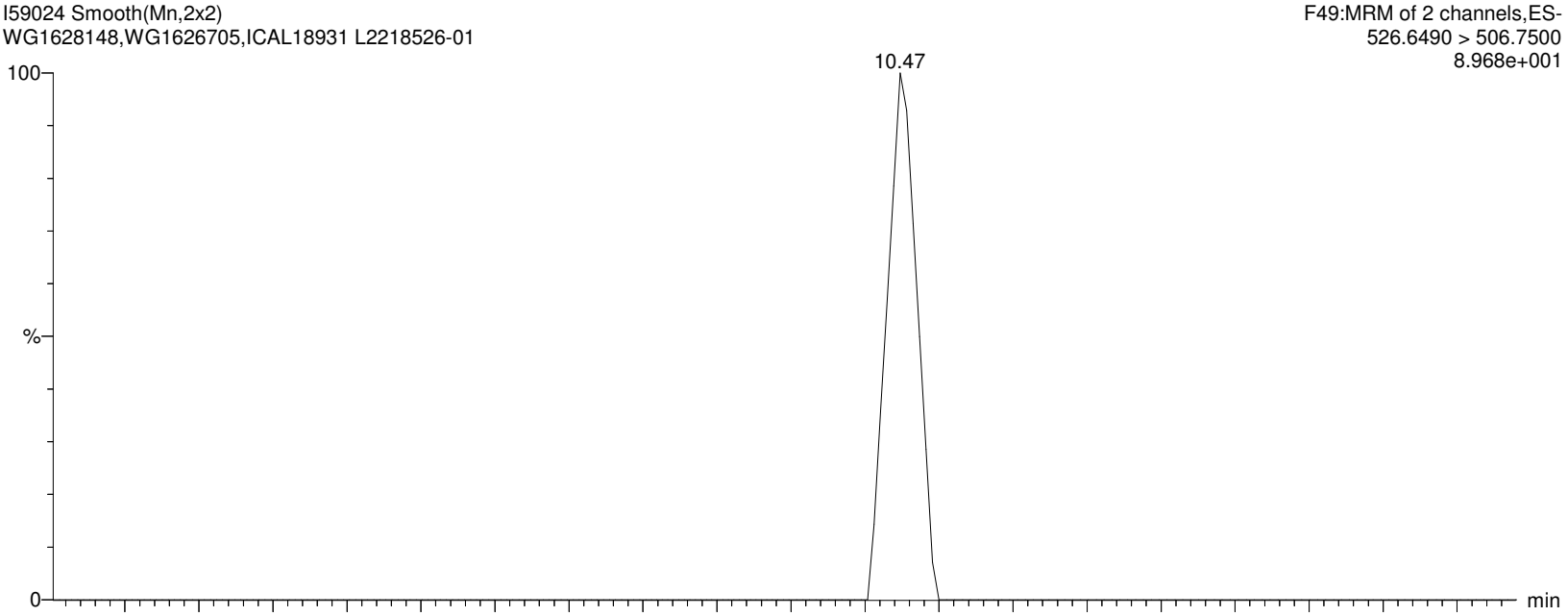


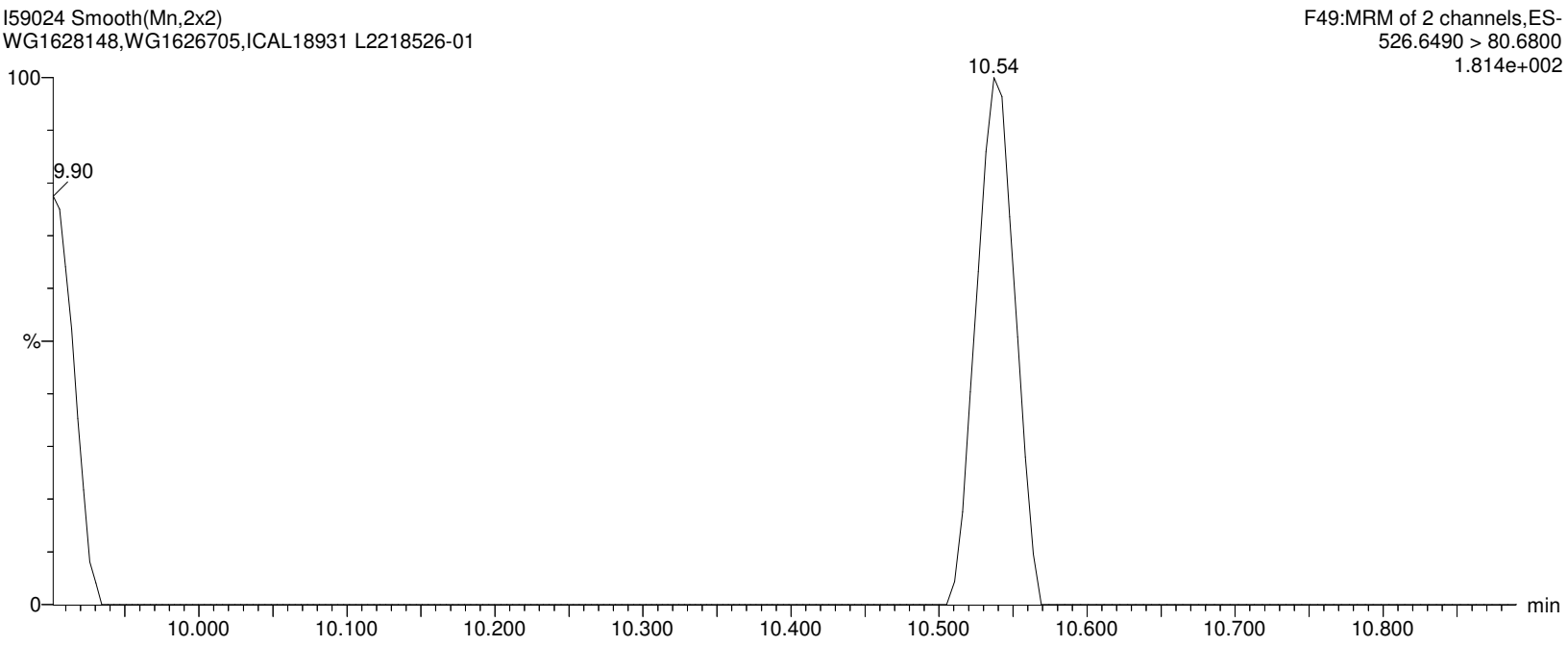
all concentration units in (ng/mL)

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8:2FTS



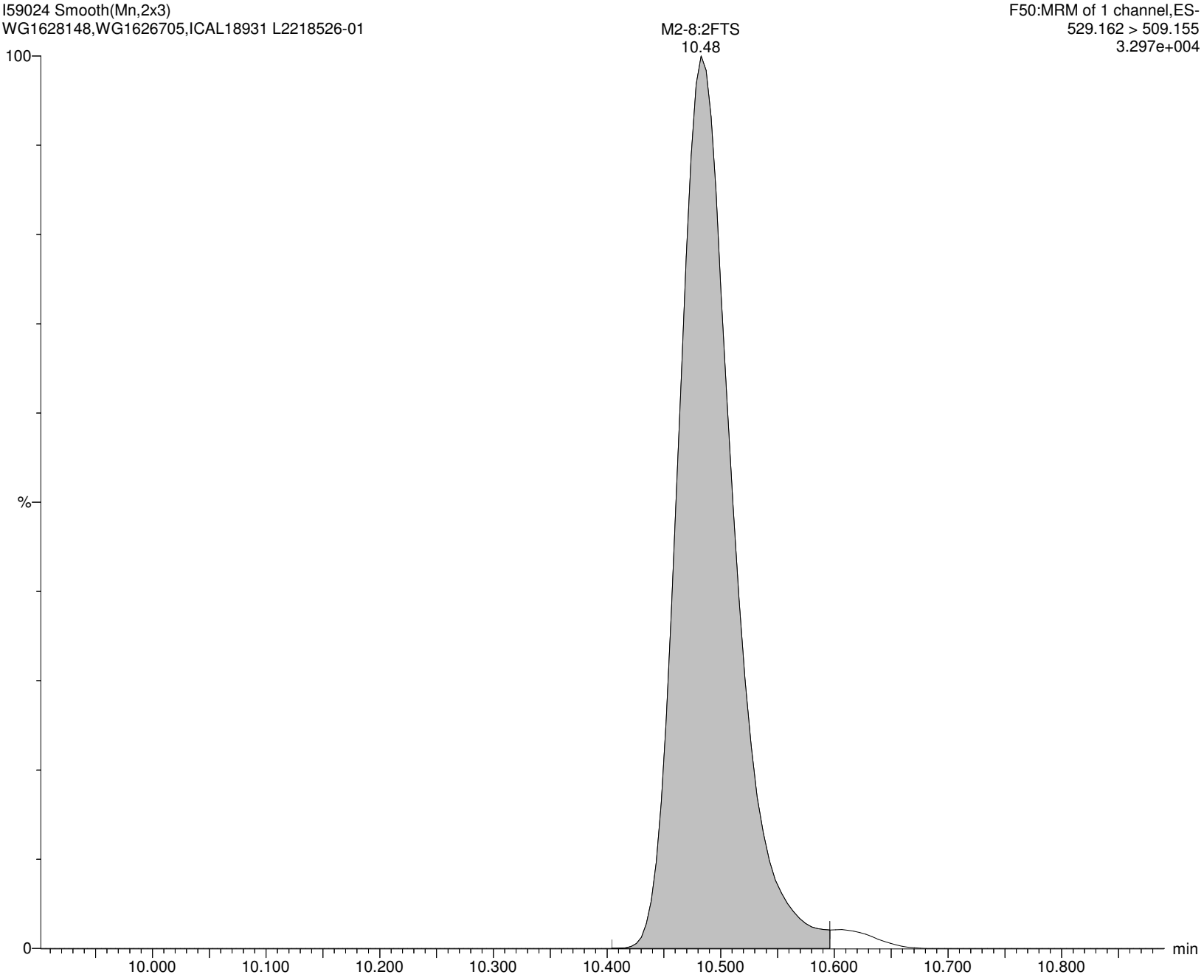


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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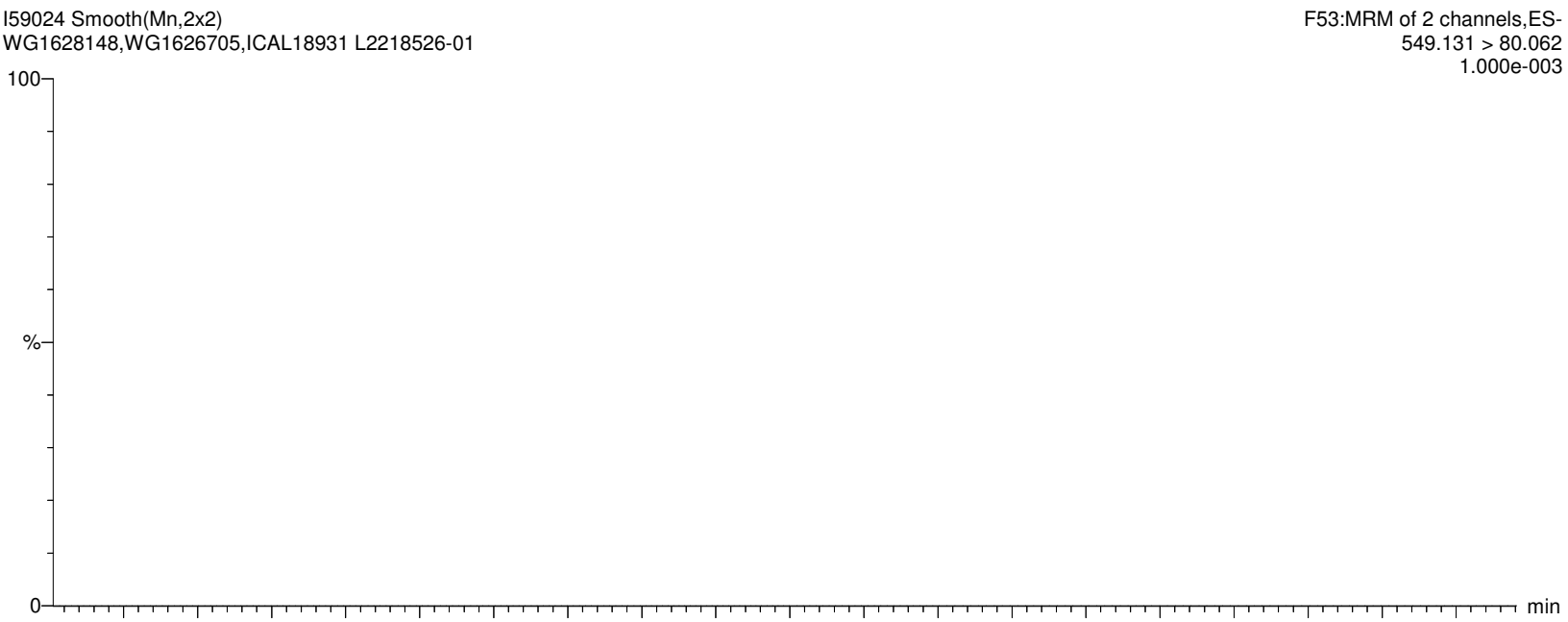


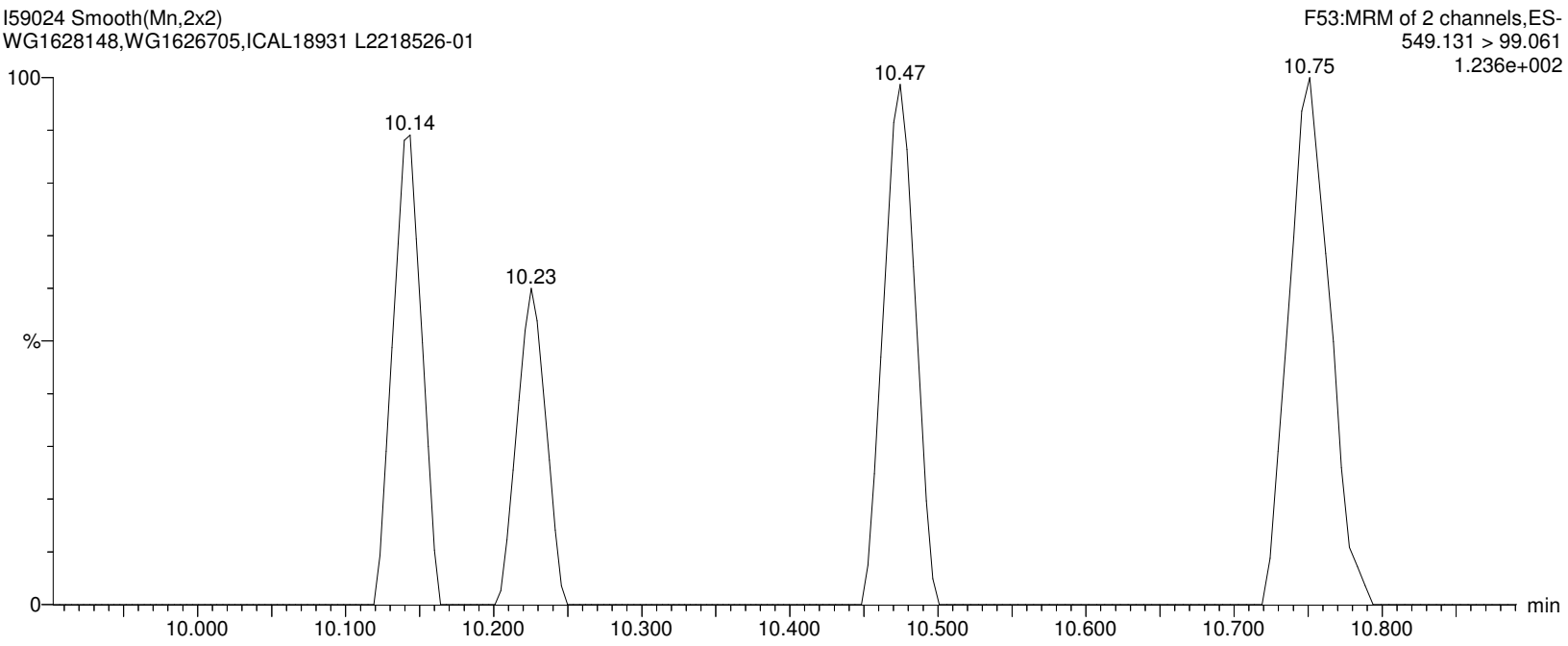
all concentration units in (ng/mL)

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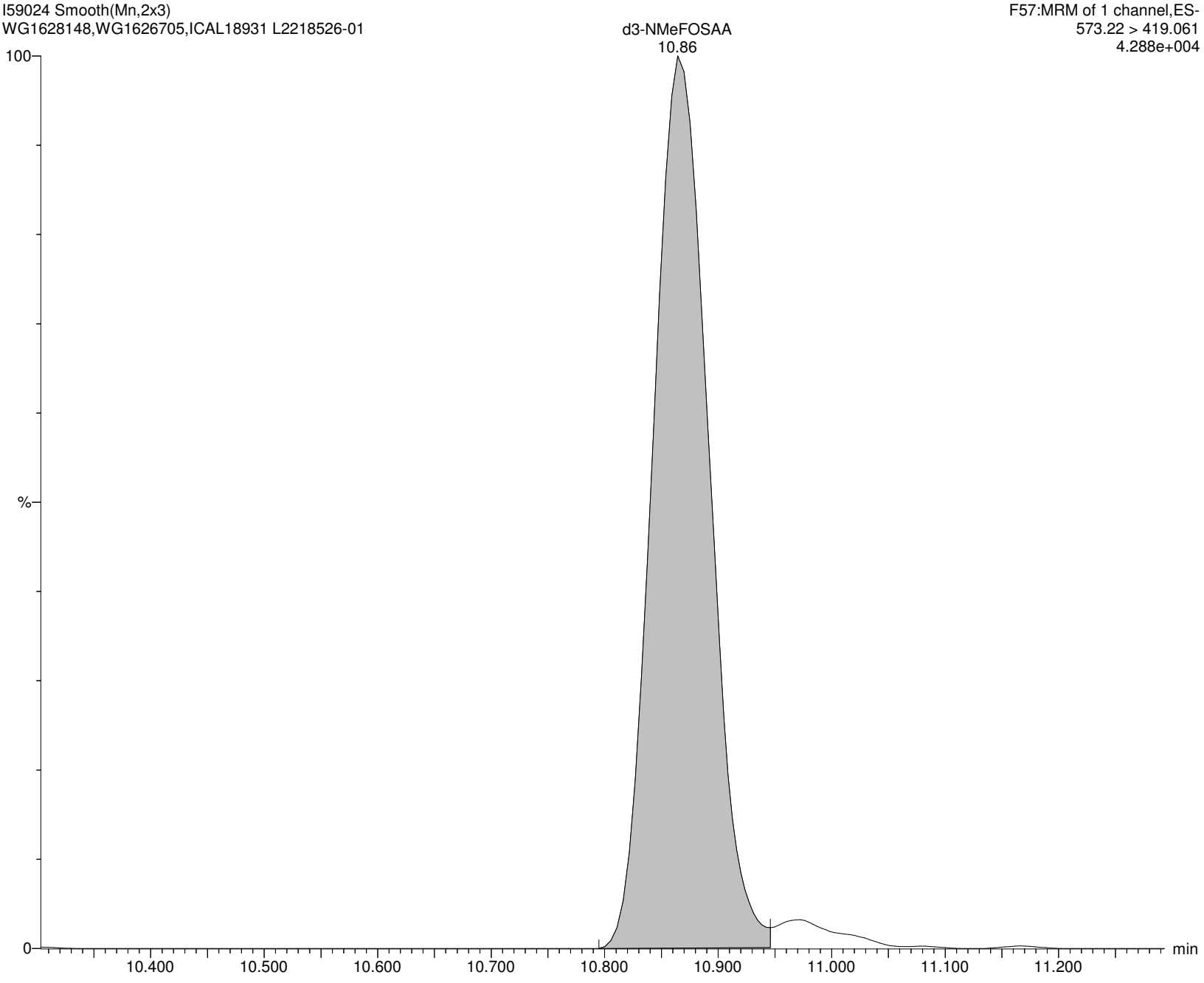


all concentration units in (ng/mL)

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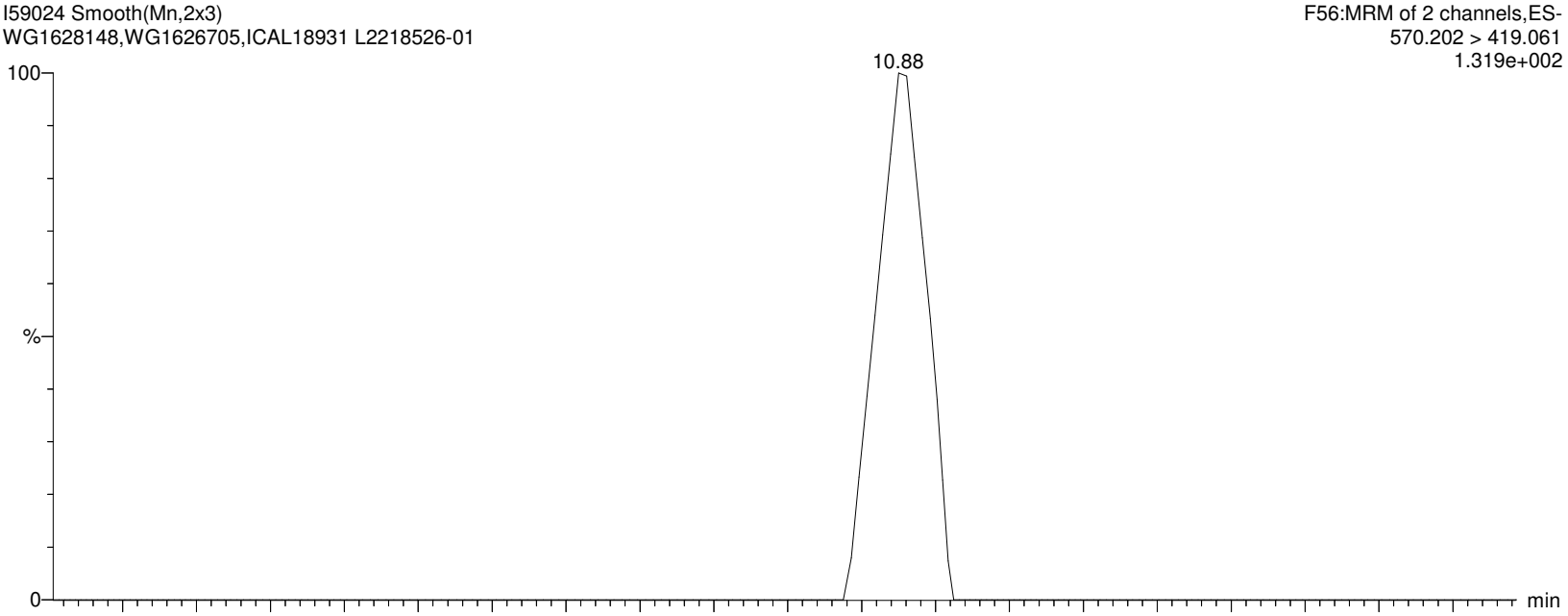


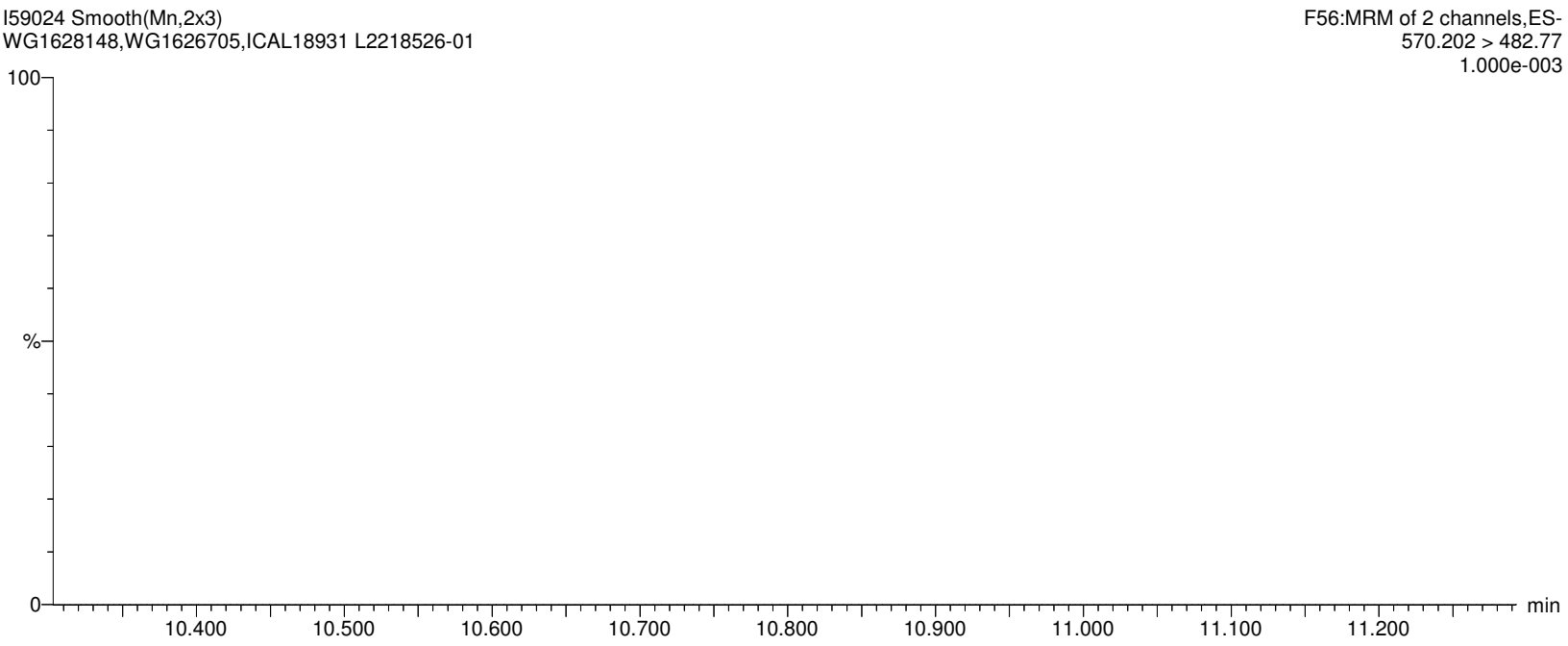
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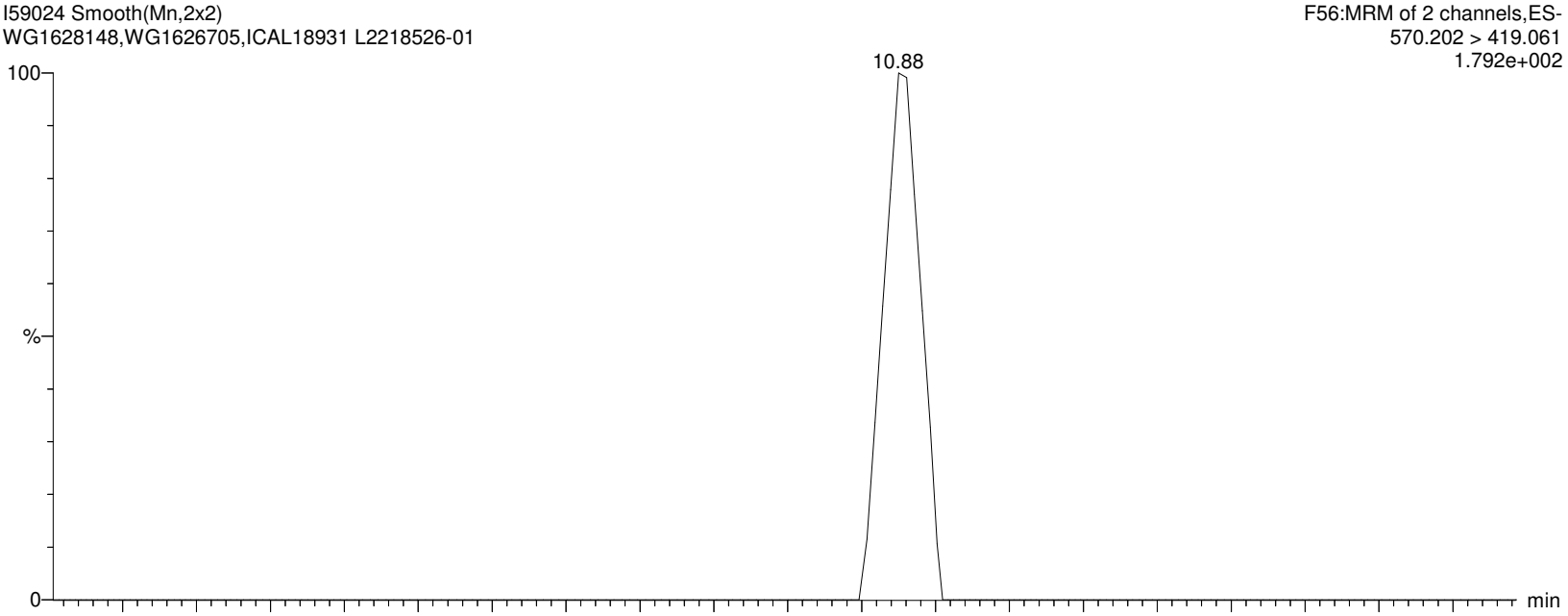


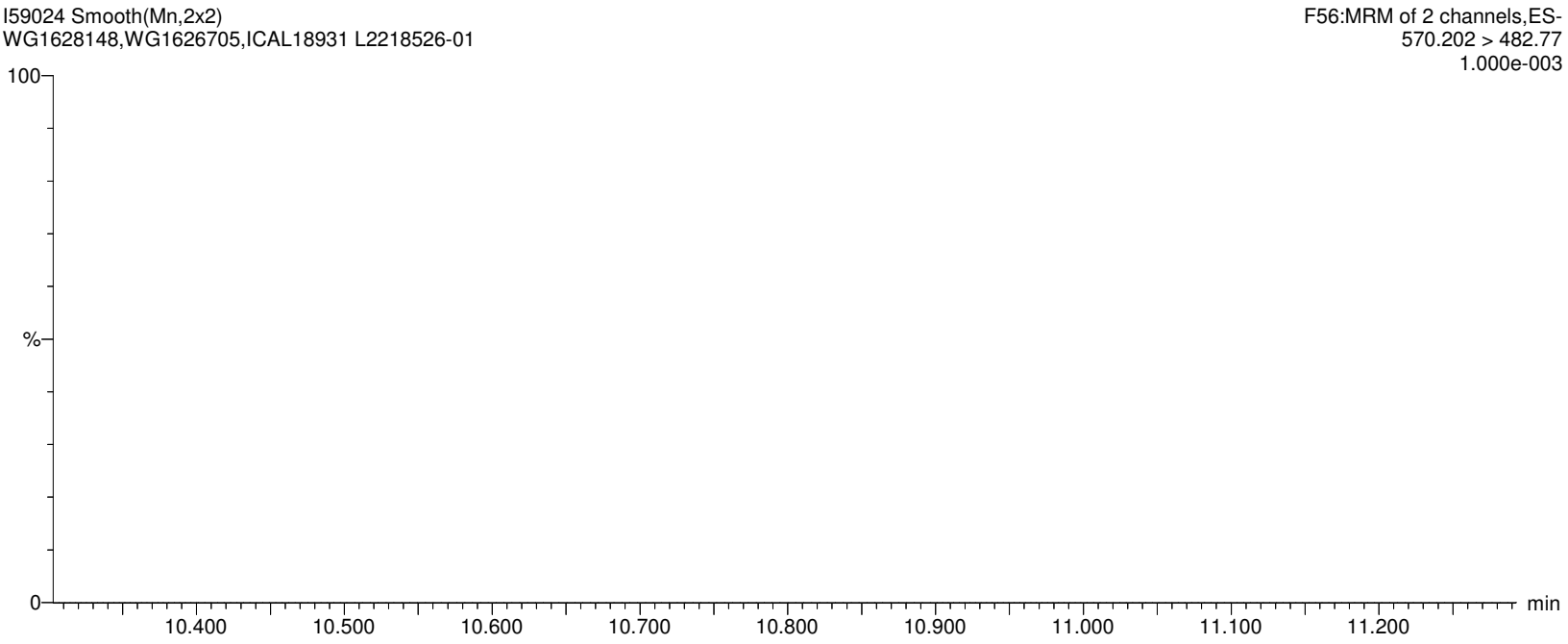
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L-NMeFOSAA



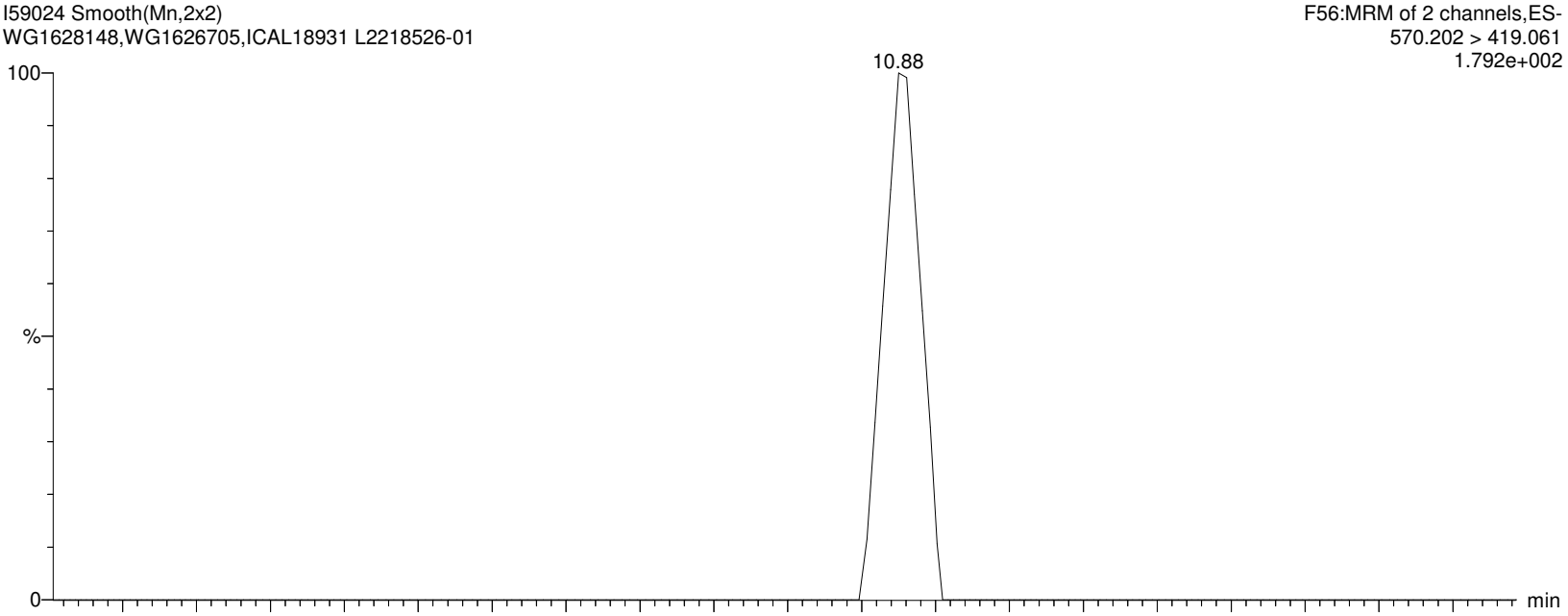


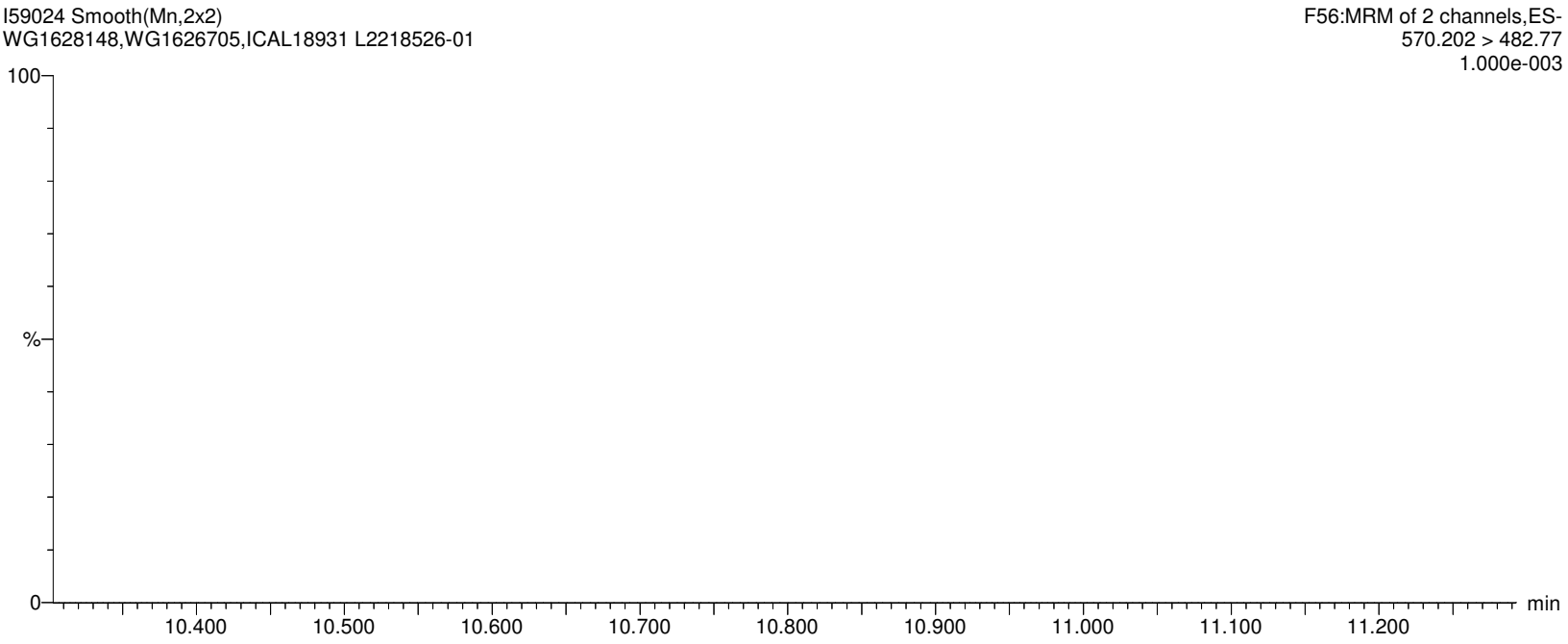
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NMeFOSAA



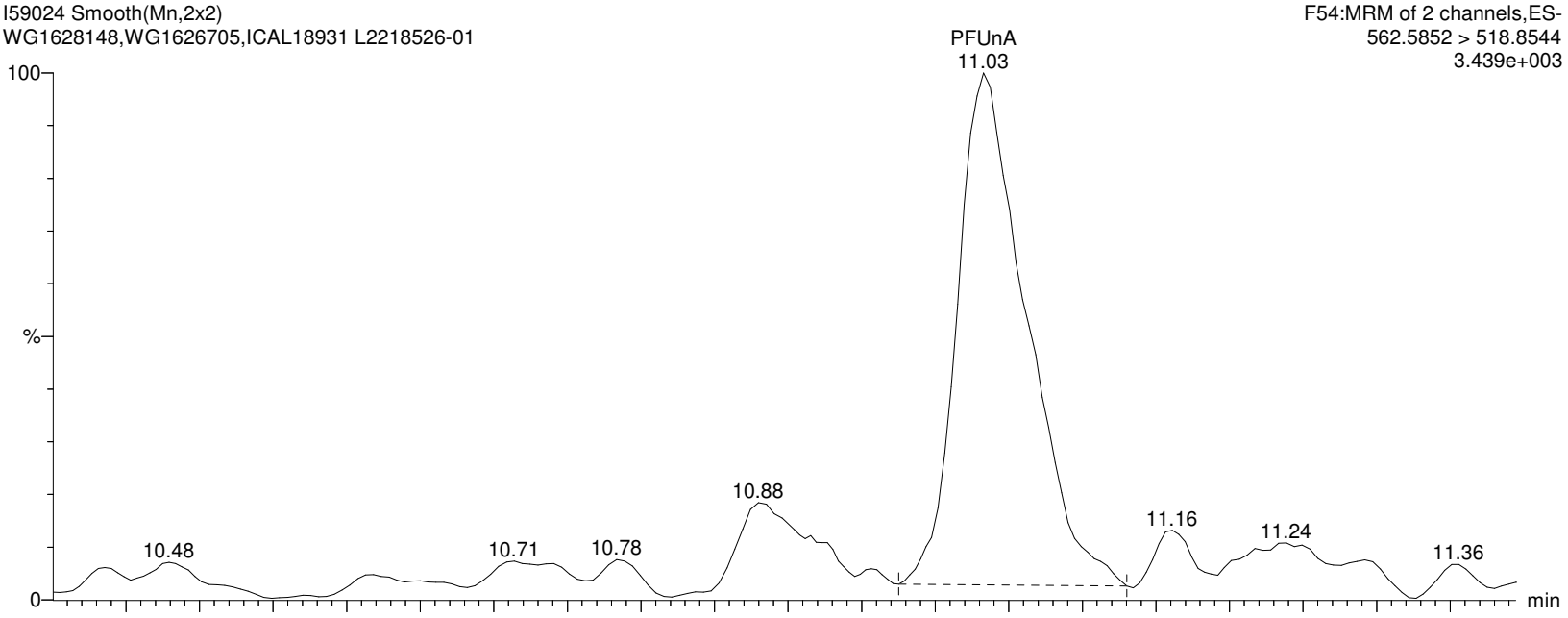


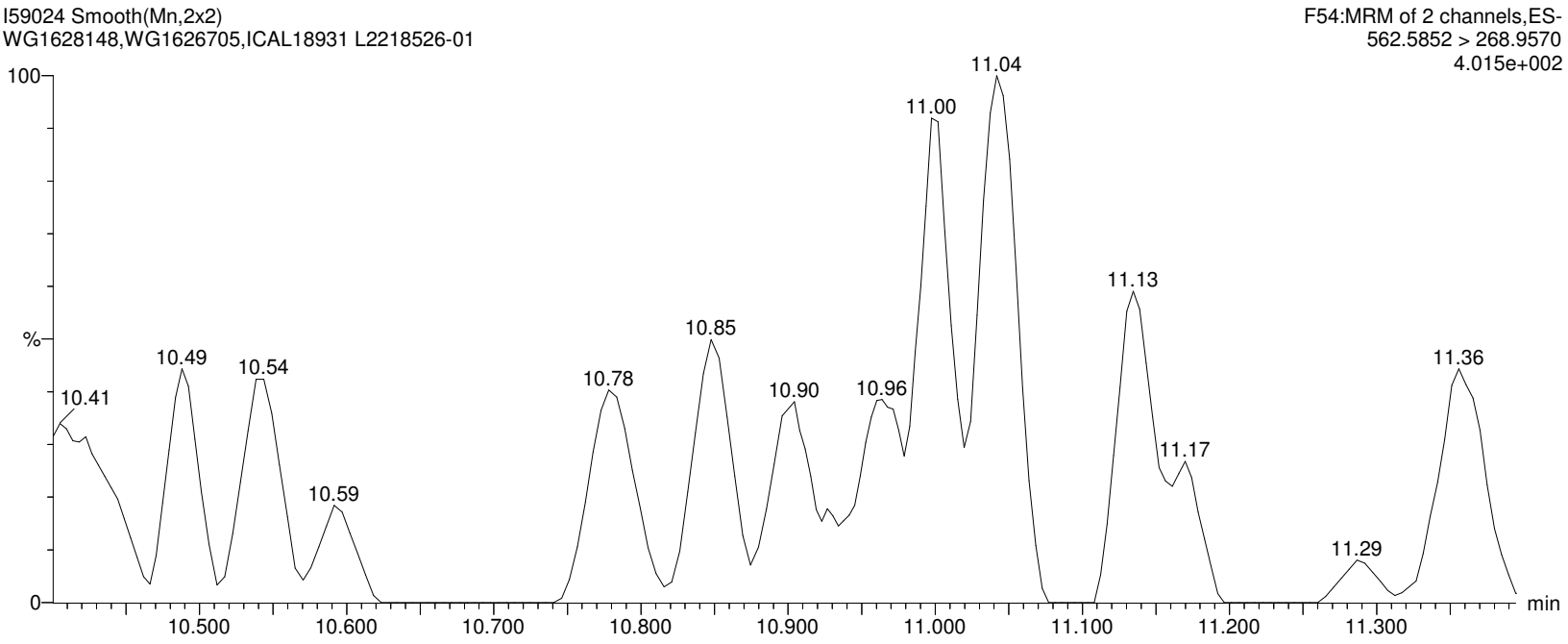
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:02 Eastern Daylight Time

Name: I59024
ID: L2218526-01
Date: 17-Apr-2022
Time: 23:55:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFUnA



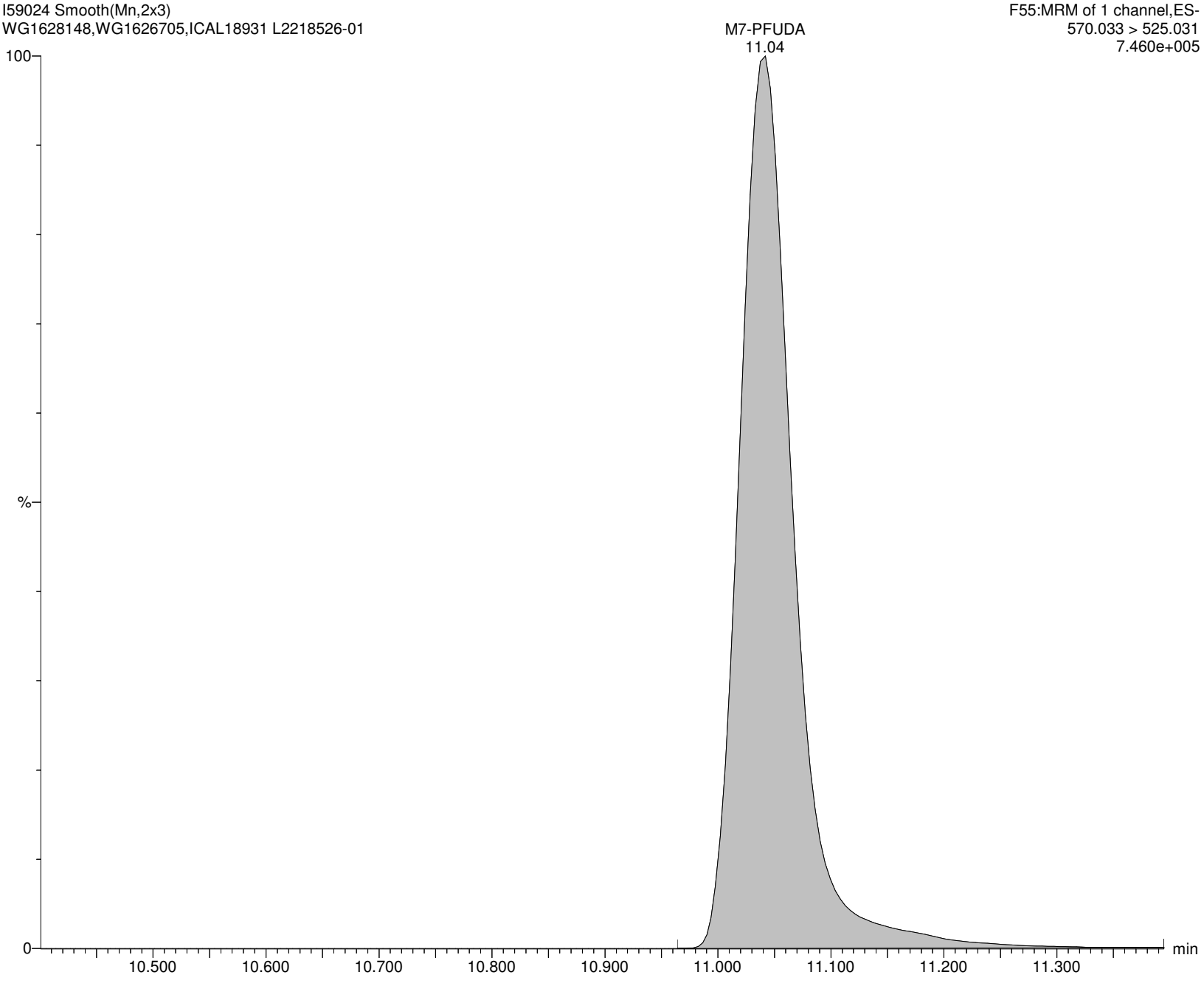


all concentration units in (ng/mL)

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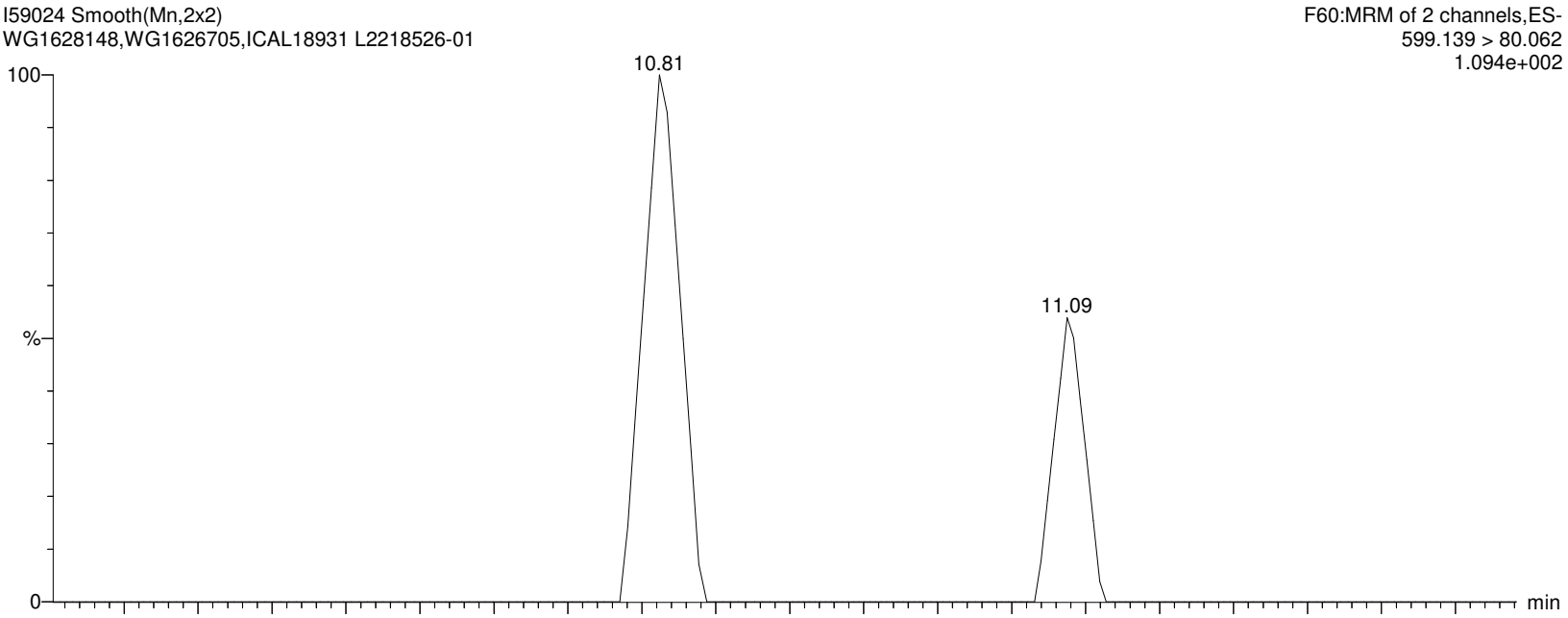


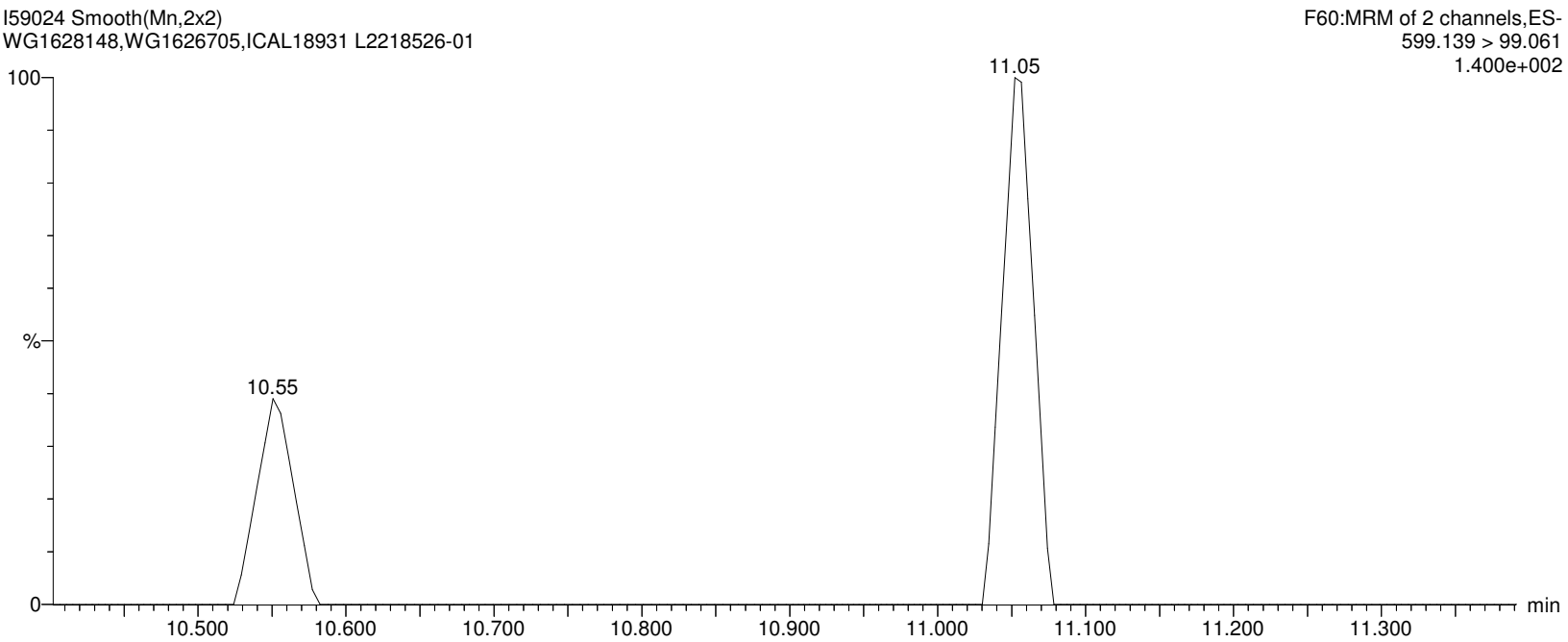
all concentration units in (ng/mL)

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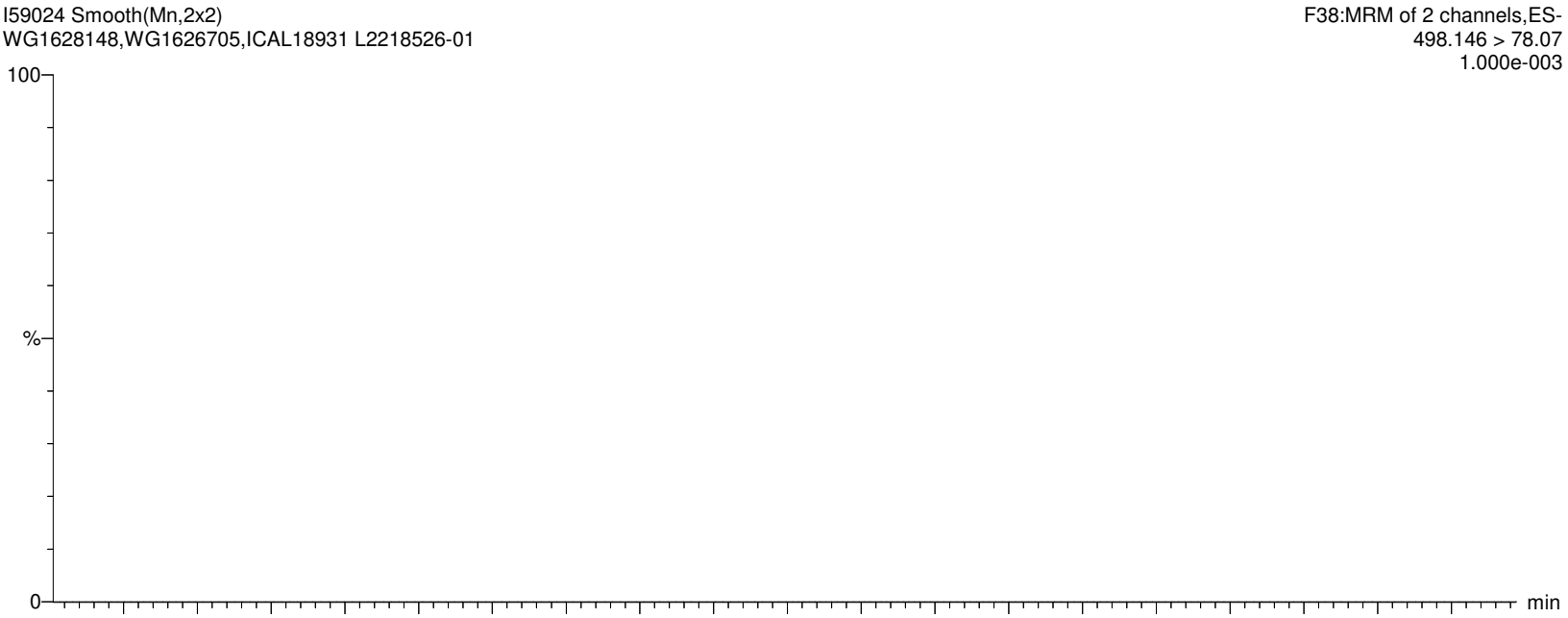


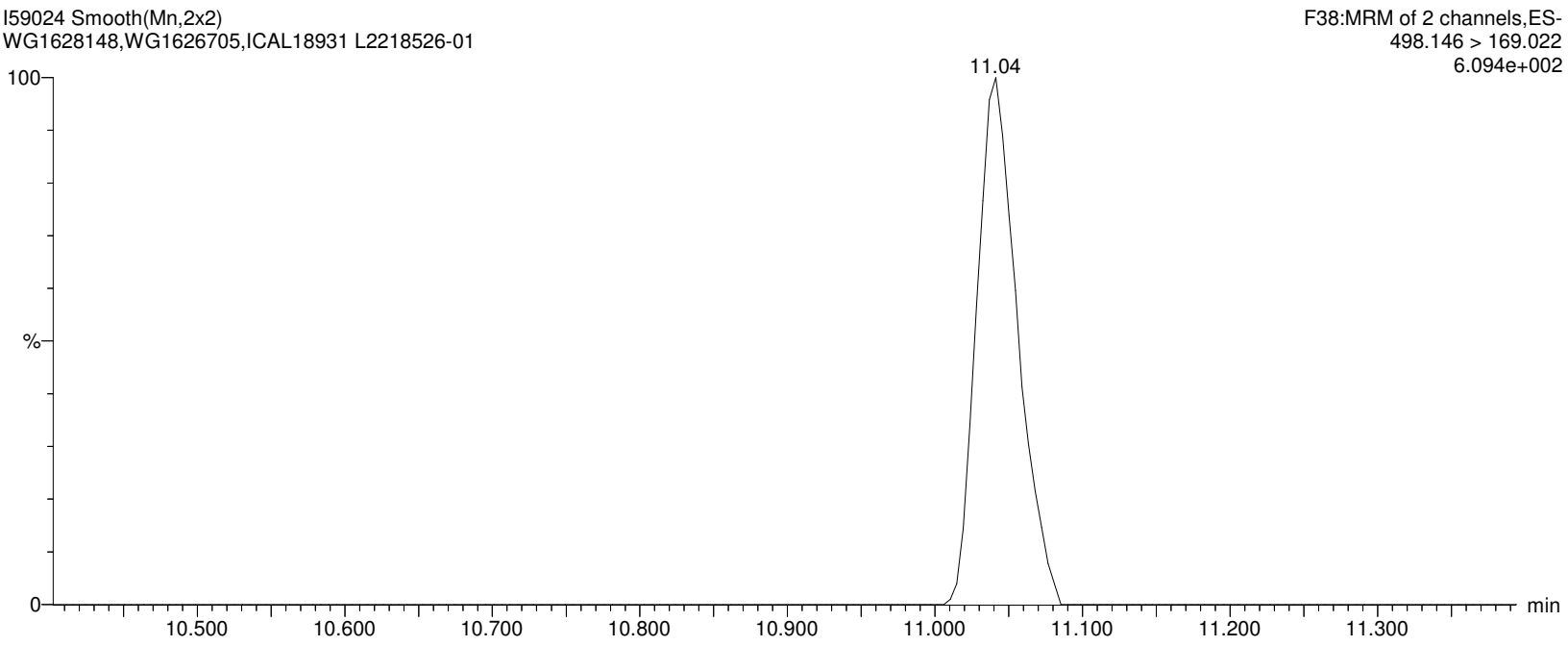
all concentration units in (ng/mL)

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Vial: 1:D,1
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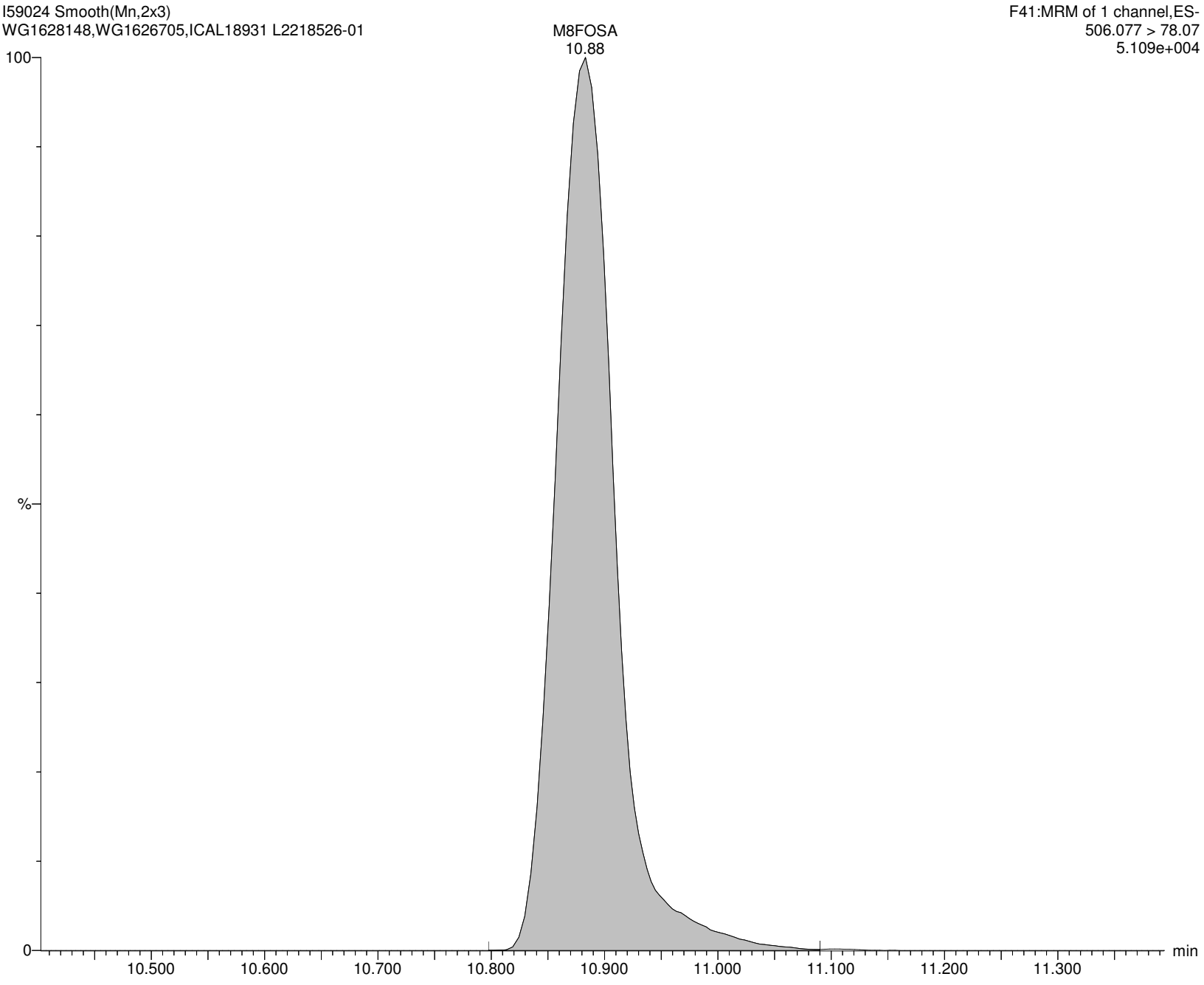


all concentration units in (ng/mL)

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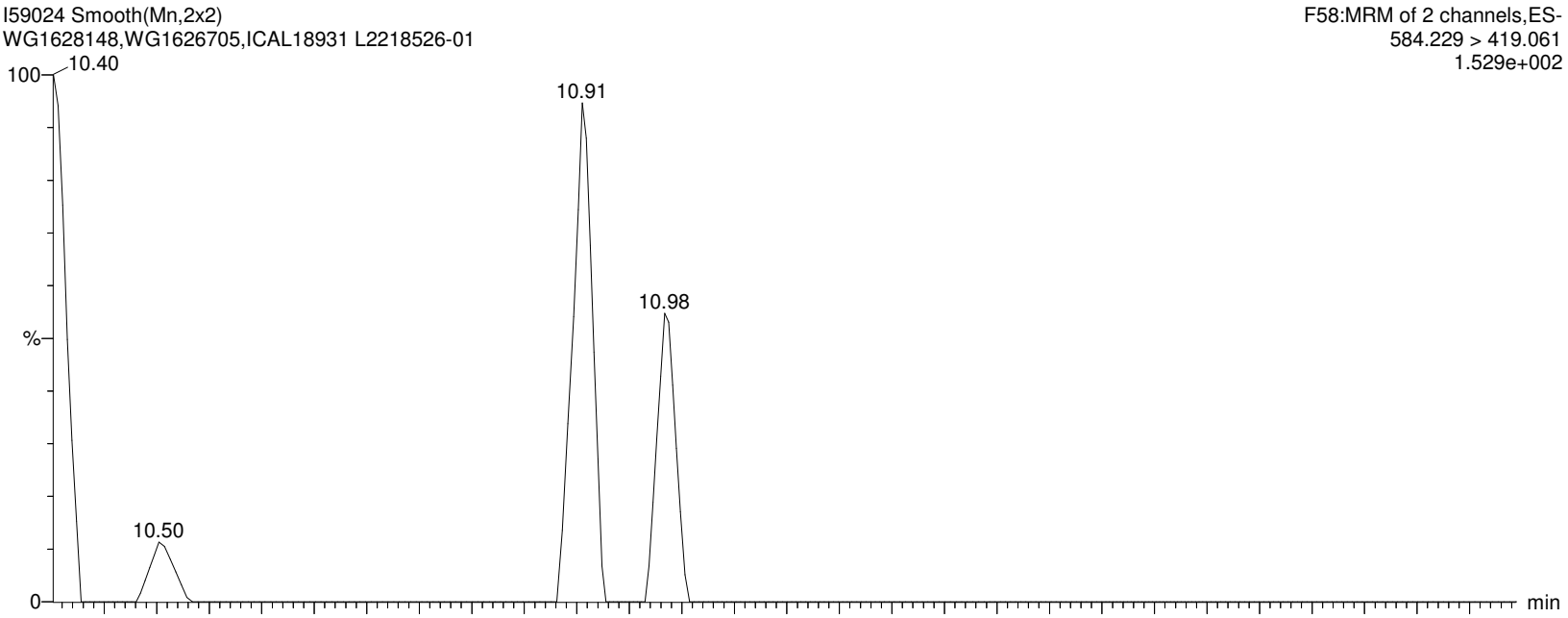


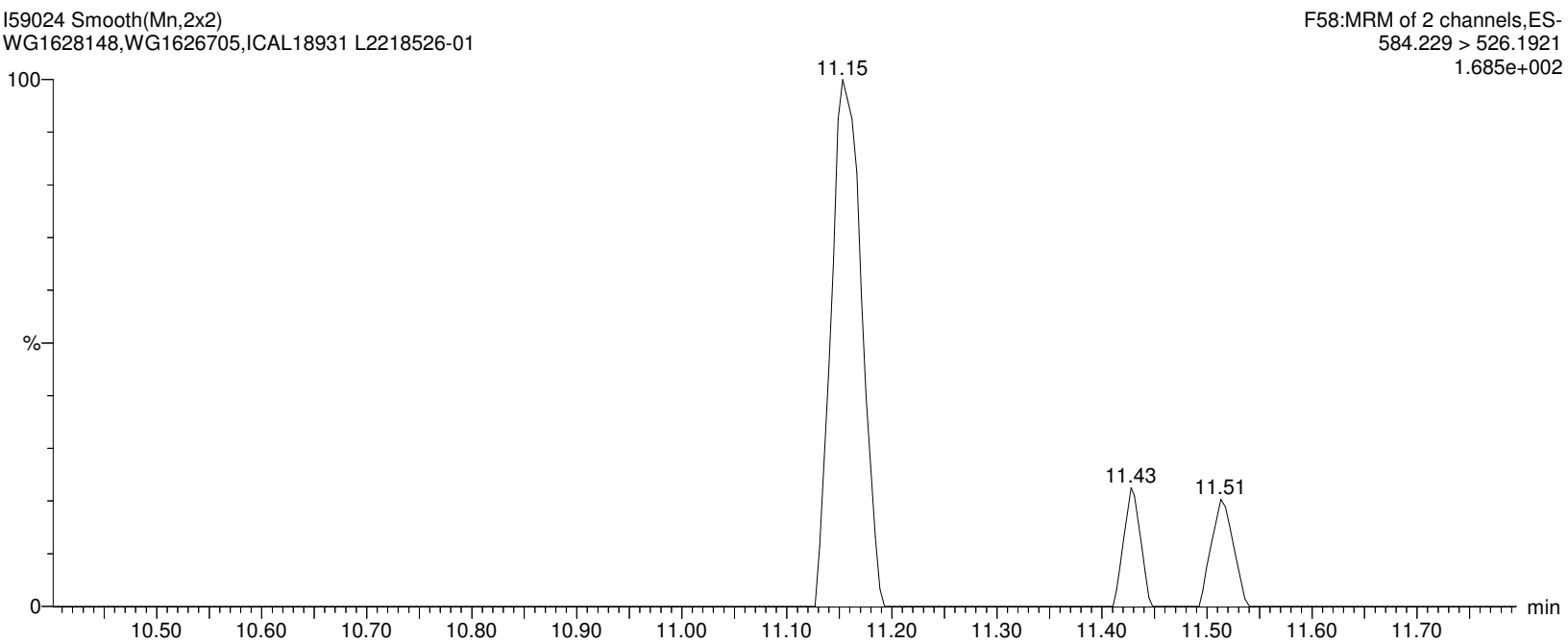
all concentration units in (ng/mL)

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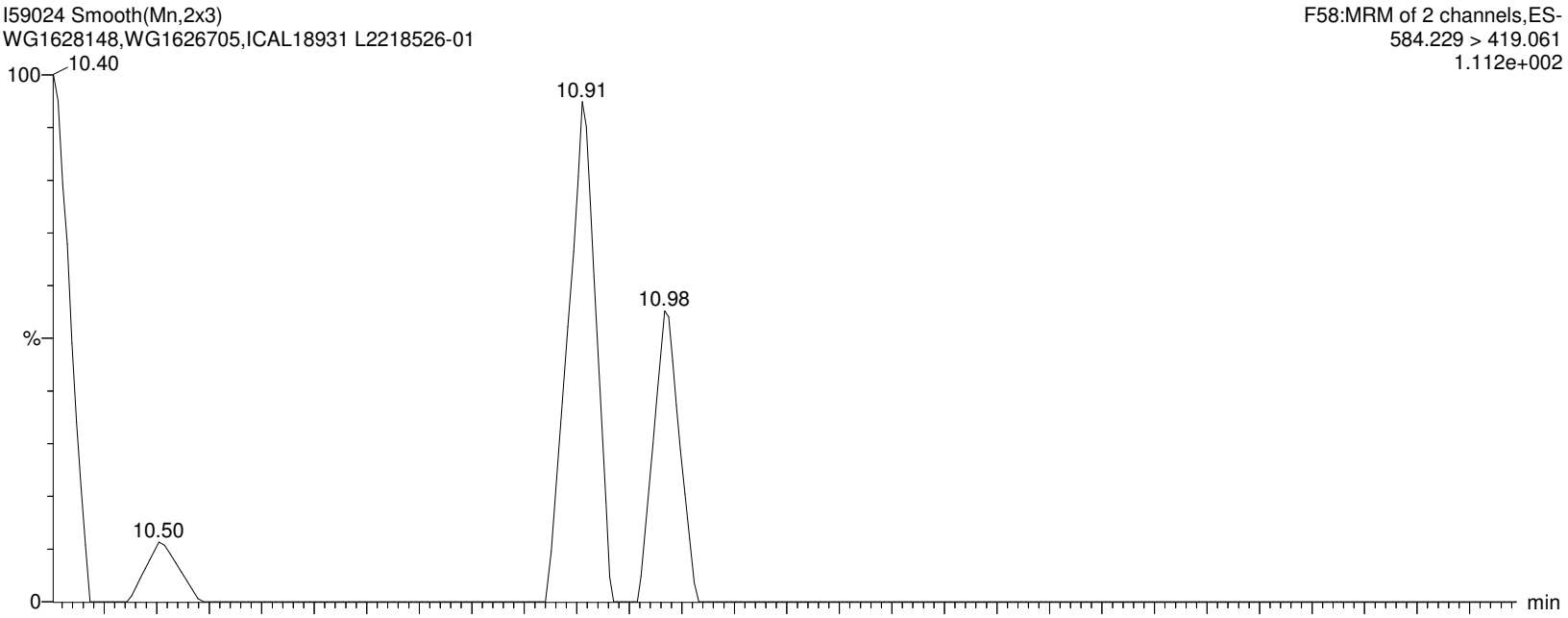


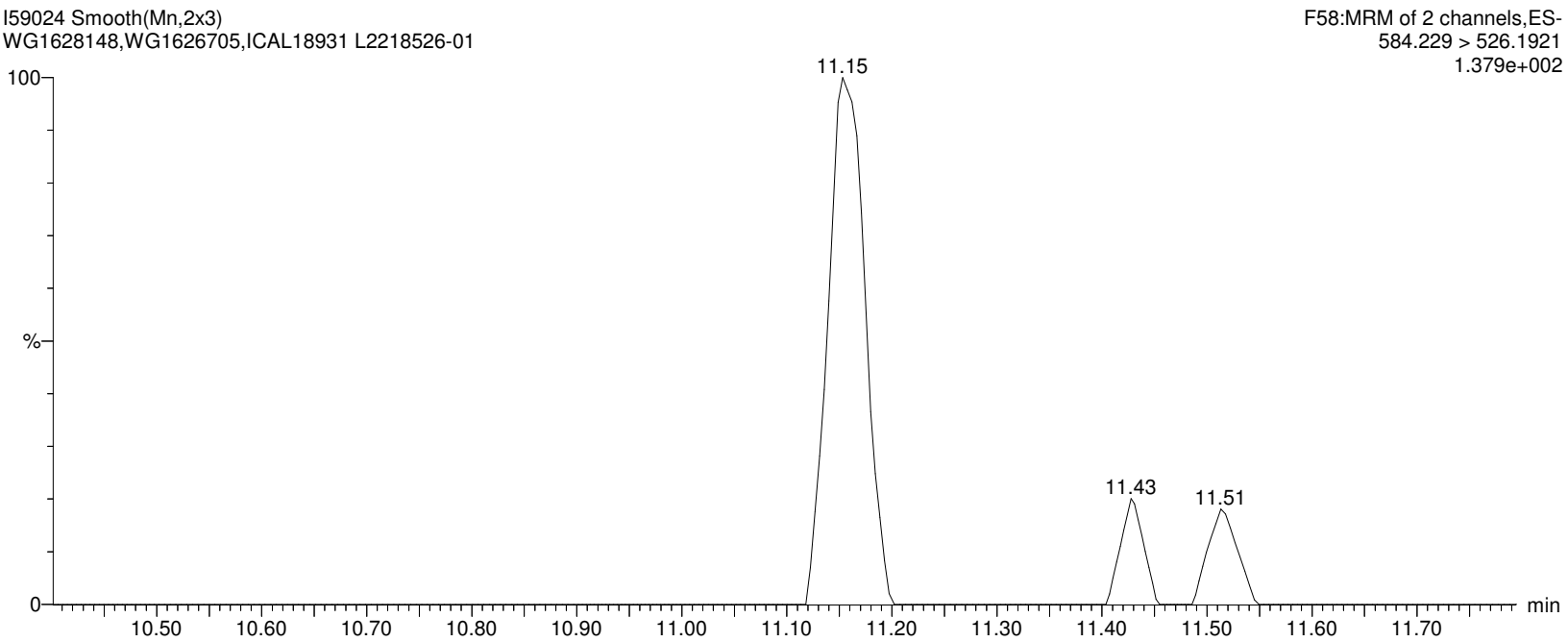
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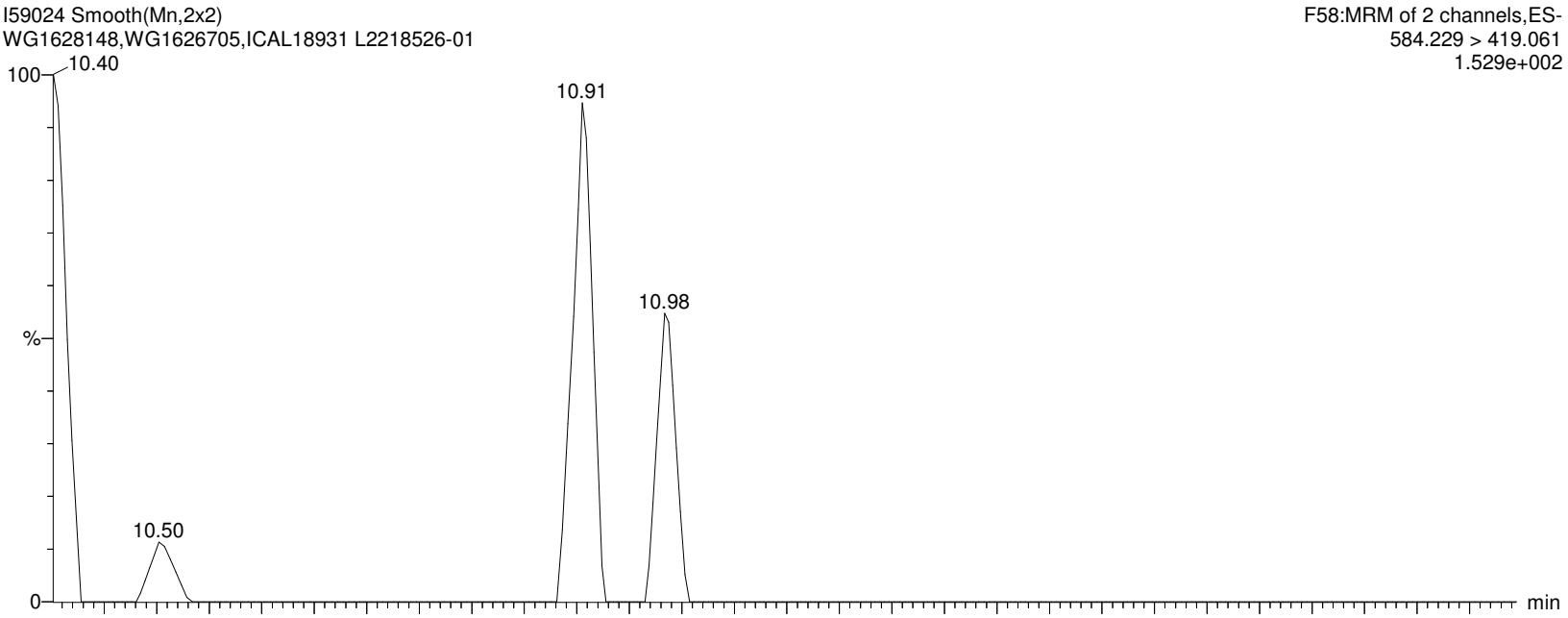


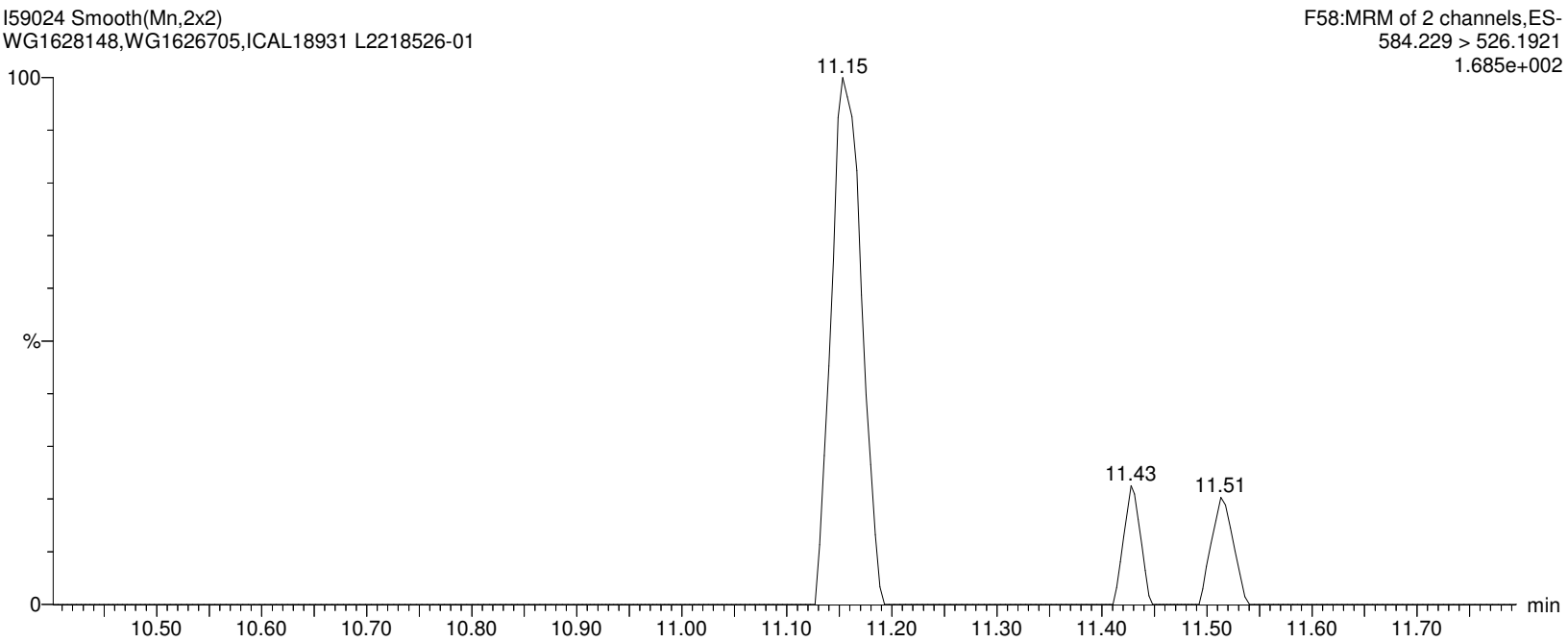
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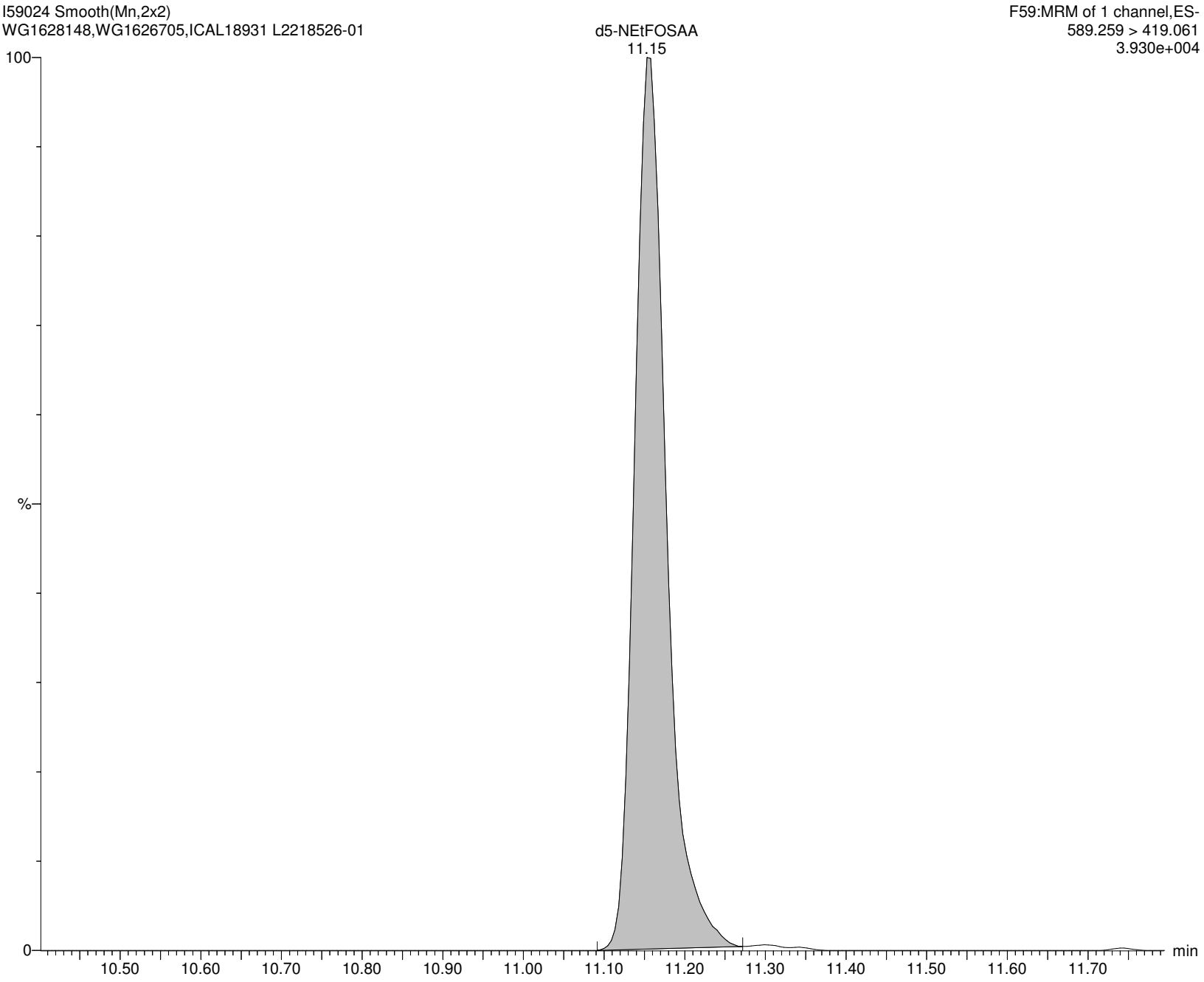


all concentration units in (ng/mL)

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Time: 23:55:10
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Vial: 1:D,1
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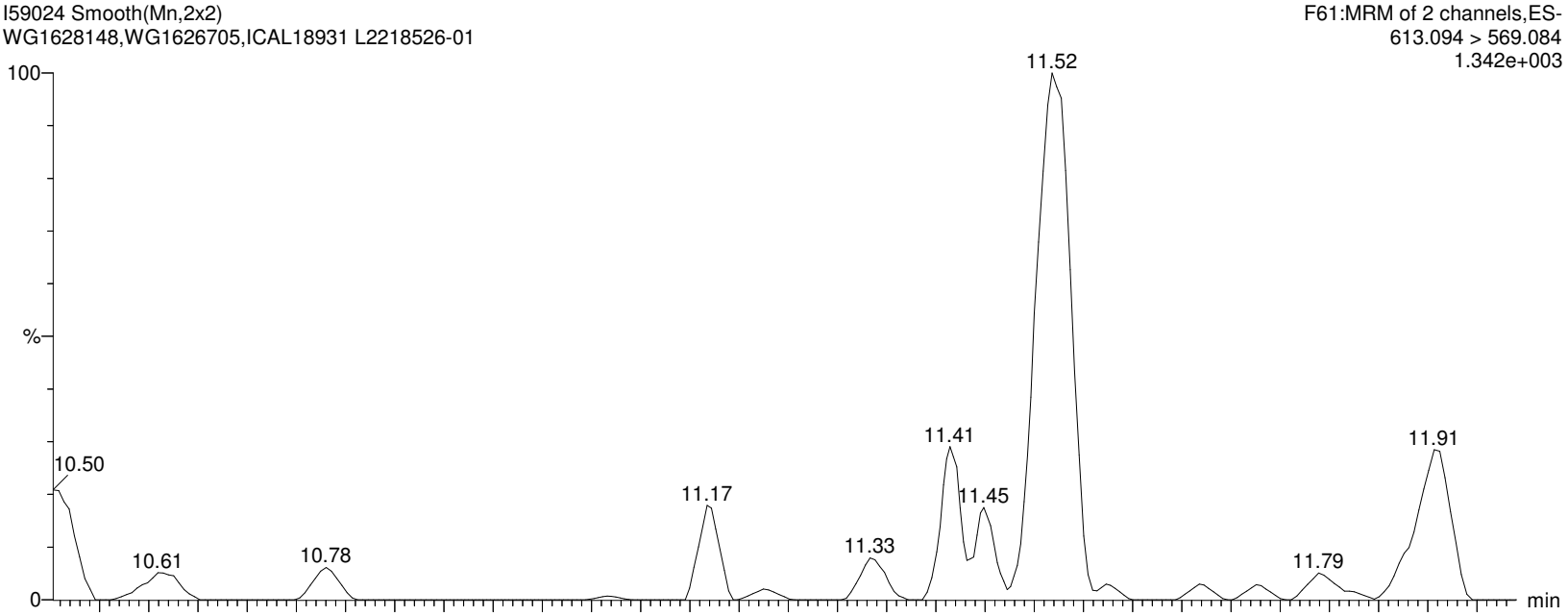


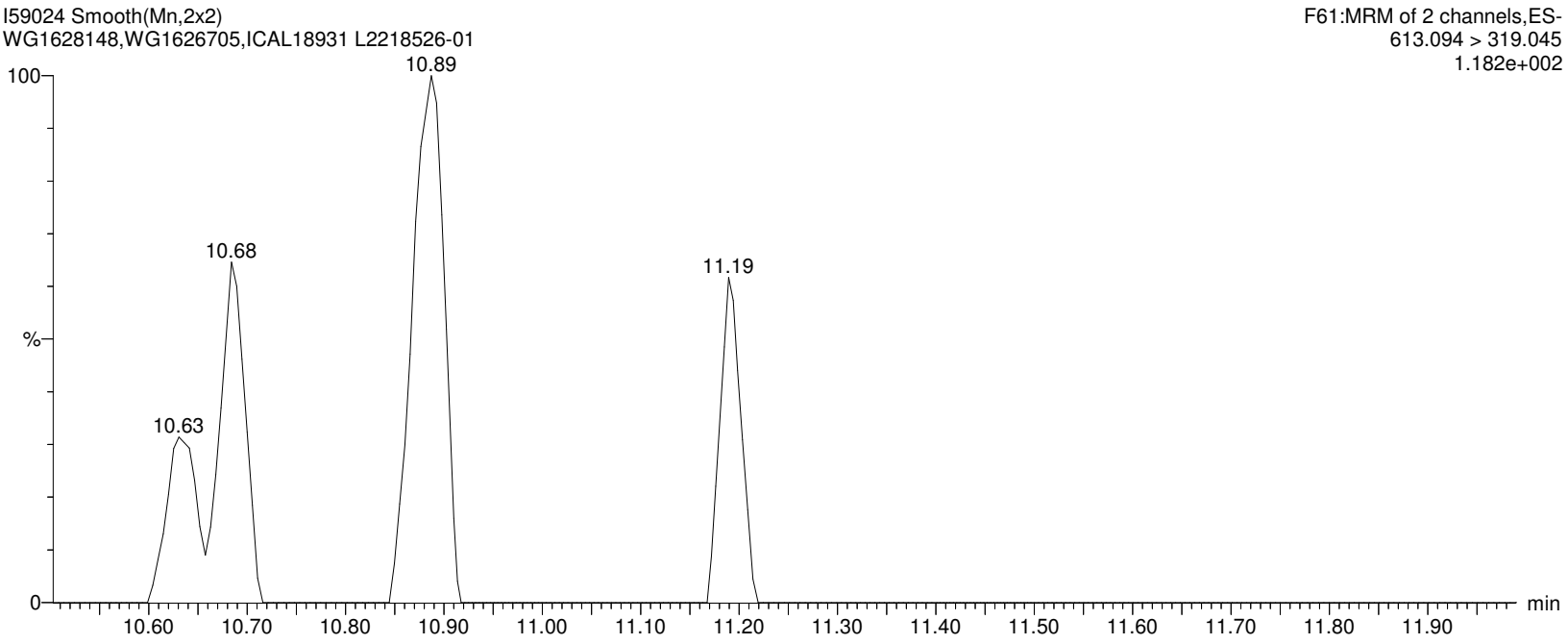
all concentration units in (ng/mL)

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Vial: 1:D,1
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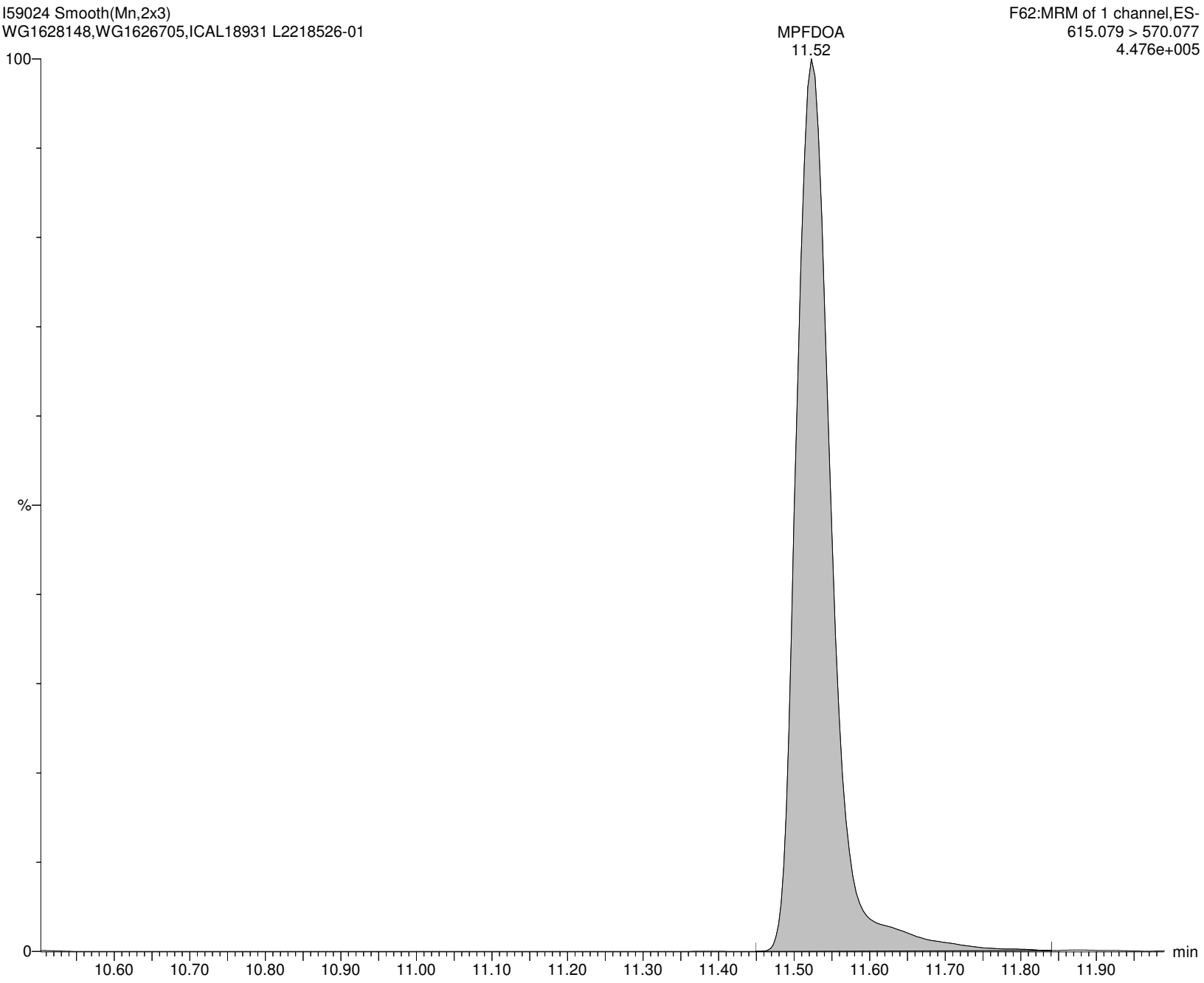


all concentration units in (ng/mL)

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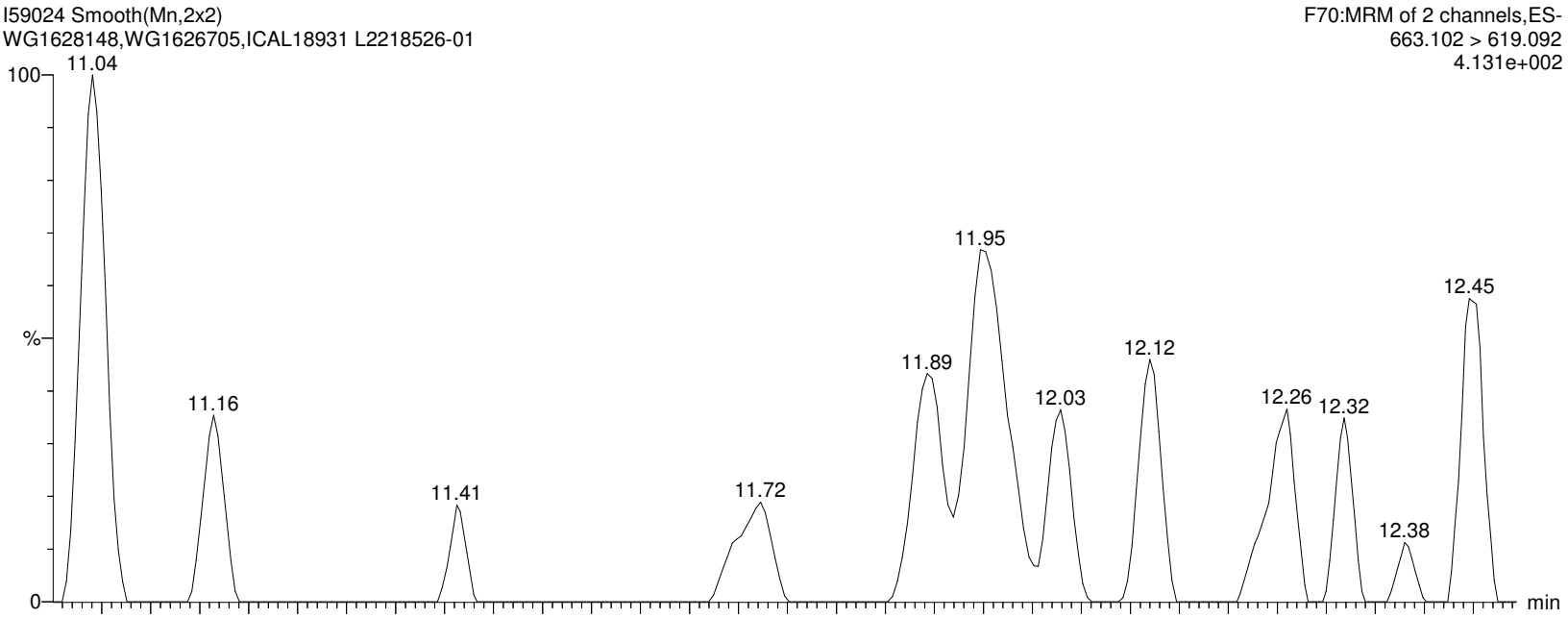


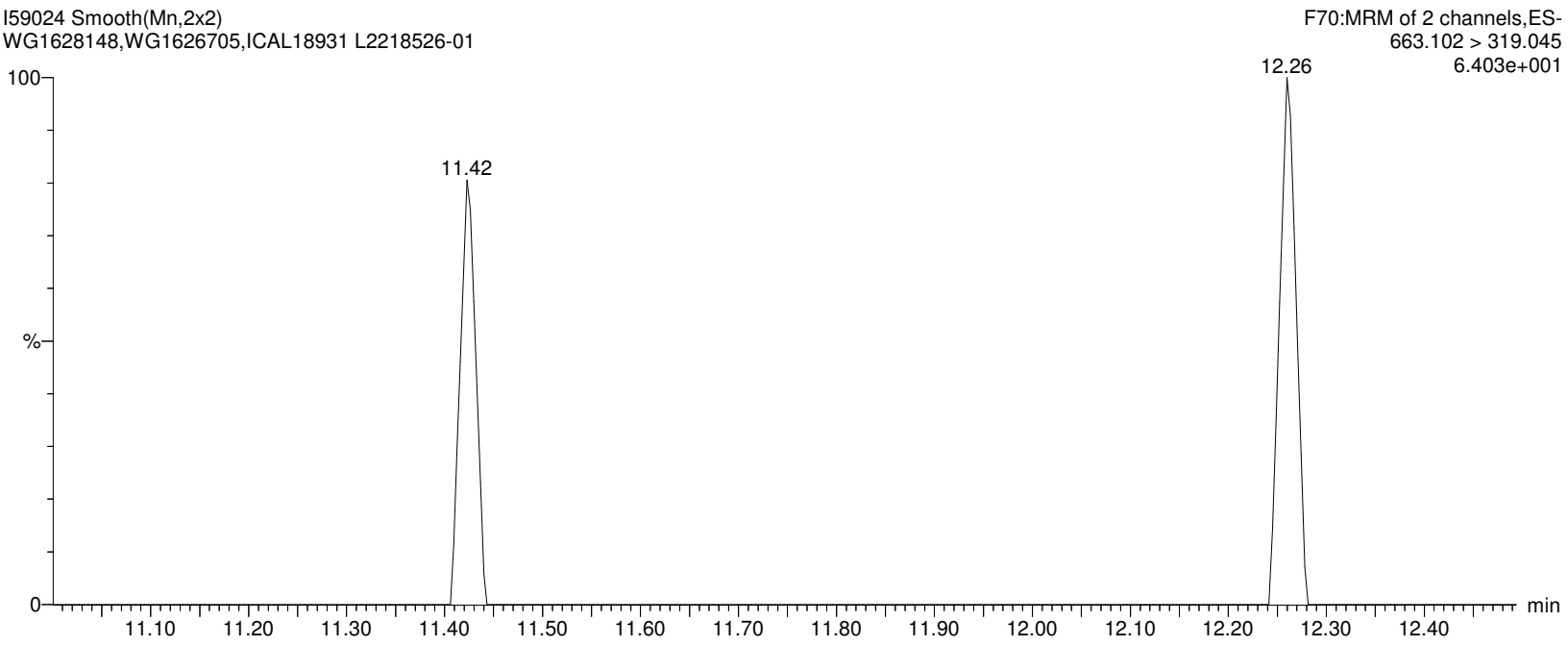
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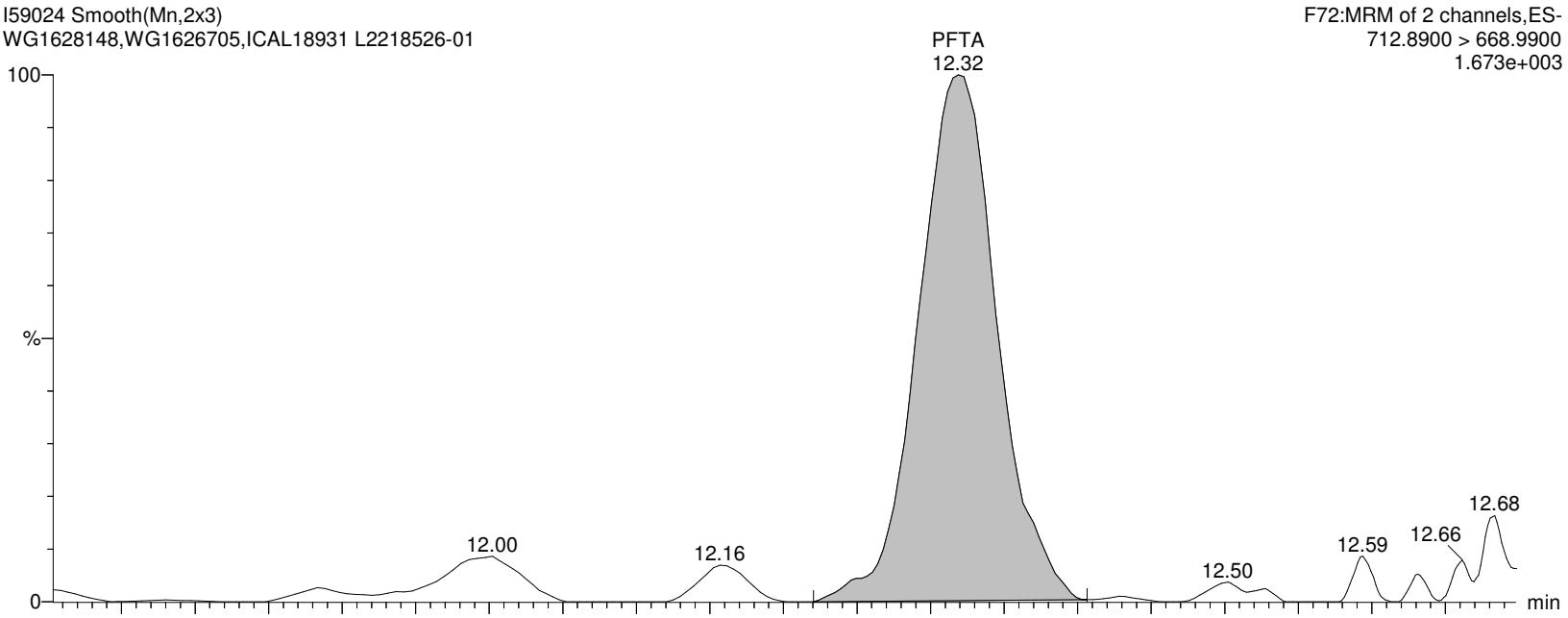


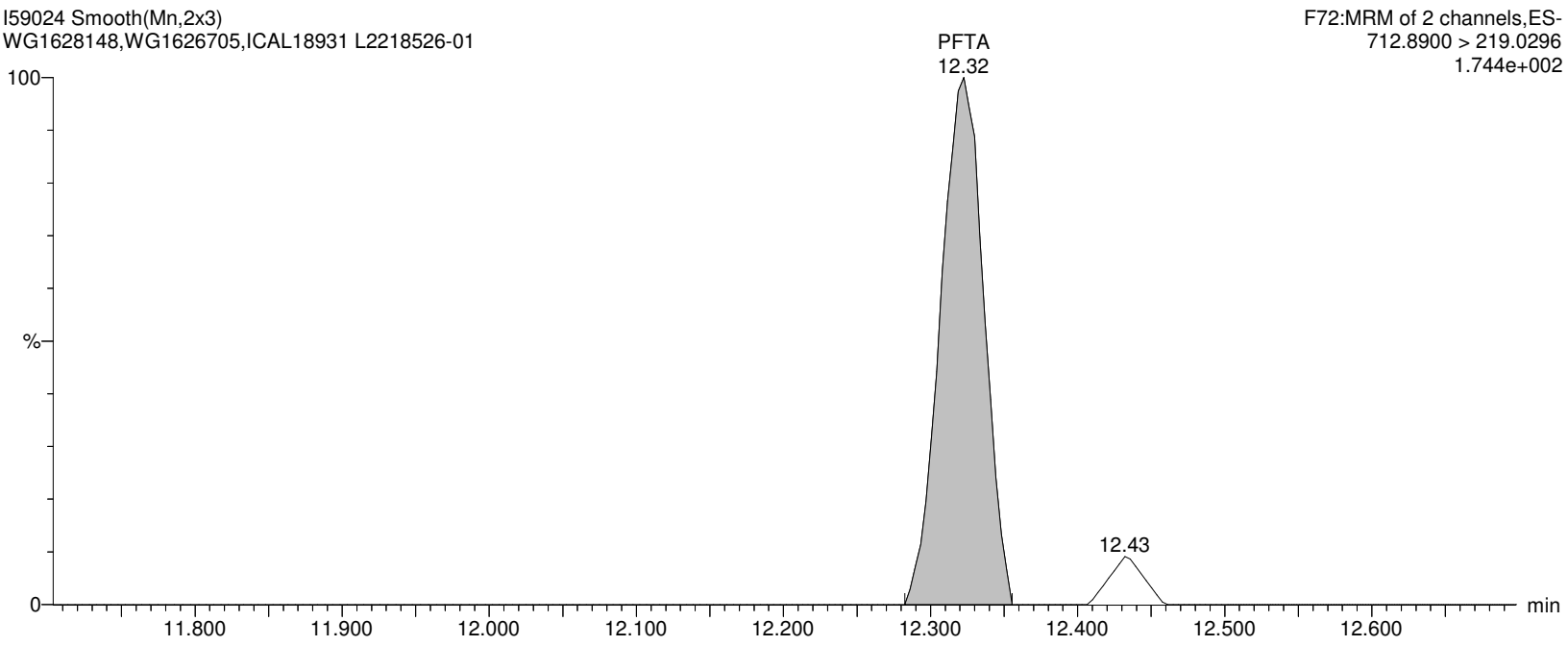
all concentration units in (ng/mL)

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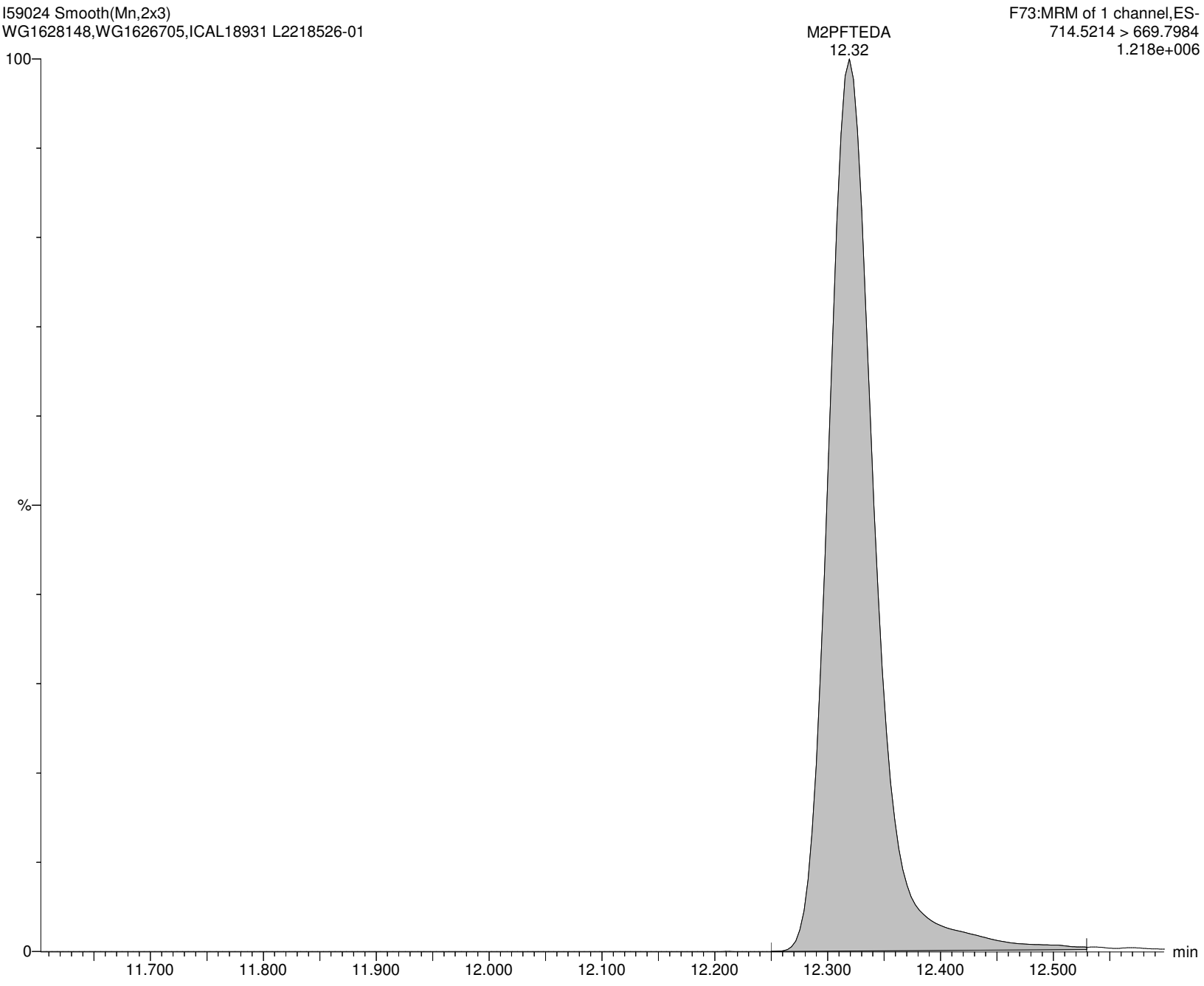


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M2PFTEDA



all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: L2218526-02
Name: I59025
Date: 18-Apr-2022
Time: 00:11:40
Description: WG1628148,WG1626705,ICAL18931
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User: LCMS02:SG
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	4032		1.860		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	25792		10.125		na	101.3
3	MPFBA	INT STD	2.12	217.001 > 171.999	25271		8.783		na	87.8
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	10076		3.711		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	35151		9.946		na	99.5
6	PFBS	375-73-5	5.64	299.092 > 80.062	1192		1.255	1.89	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	8583		9.463		na	101.5
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	5873		14.508		na	154.7
10	PFHxA	307-24-4	6.87	313.047 > 269.037	9323		2.108	15.60	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	45488		7.556		na	75.6
12	PFPeS	2706-91-4		349.1 > 80.062			ND		YES	
13	PFHpA	375-85-9	8.15	363.055 > 319.045	6811		1.103	6.27	NO	
14	M4PFHpA	INT STD	8.15	367.025 > 322.022	61412		8.524		na	85.2
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	36	M5,M7	0.056	1.18	NO	
16	L-PFHxS	355-46-4	8.31	399.107 > 80.062	299		0.396	1.41	NO	
17	PFHxS	355-46-4		399.107 > 80.062	335		0.452		na	
18	M3PFHxS	INT STD	8.31	402.084 > 80.062	8105		9.529		na	100.5
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	3836	M5	0.446	2.37	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	32217		3.745	9.73	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	36053		4.191		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	87396		8.992		na	89.9
23	M2PFOA	INT STD	9.11	414.828 > 369.935	89854		13.778		na	137.8
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	63		0.169	4.67	NO	
25	M2-6:2FTS	INT STD	9.06	429.146 > 409.14	3560		9.782		na	102.9
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	2356		0.354	3.91	NO	
28	M9PFNA	INT STD	9.86	471.649 > 426.8751	78172		8.612		na	86.1
29	br-PFOS	1763-23-1	9.66	498.9030 > 79.9520	2991	M5,M7	2.452	4.30	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	2858		3.023	1.72	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	5848		5.475		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	8650		13.260		na	132.6
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	10549		9.481		na	98.9
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	912	M7	0.126	7.16	NO	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	77100		14.363		na	143.6
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	77771		8.456		na	84.6
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	2031		8.375		na	87.2
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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ID: L2218526-02
Name: I59025
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Time: 00:11:40
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	2769		7.273		na	72.7
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	42654		7.796		na	78.0
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	4673		1.818		na	18.2
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	1996		6.286		na	62.9
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	25318		7.284		na	72.8
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	61	M4,M7	0.015	9.26	NO	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	59006		8.038		na	80.4

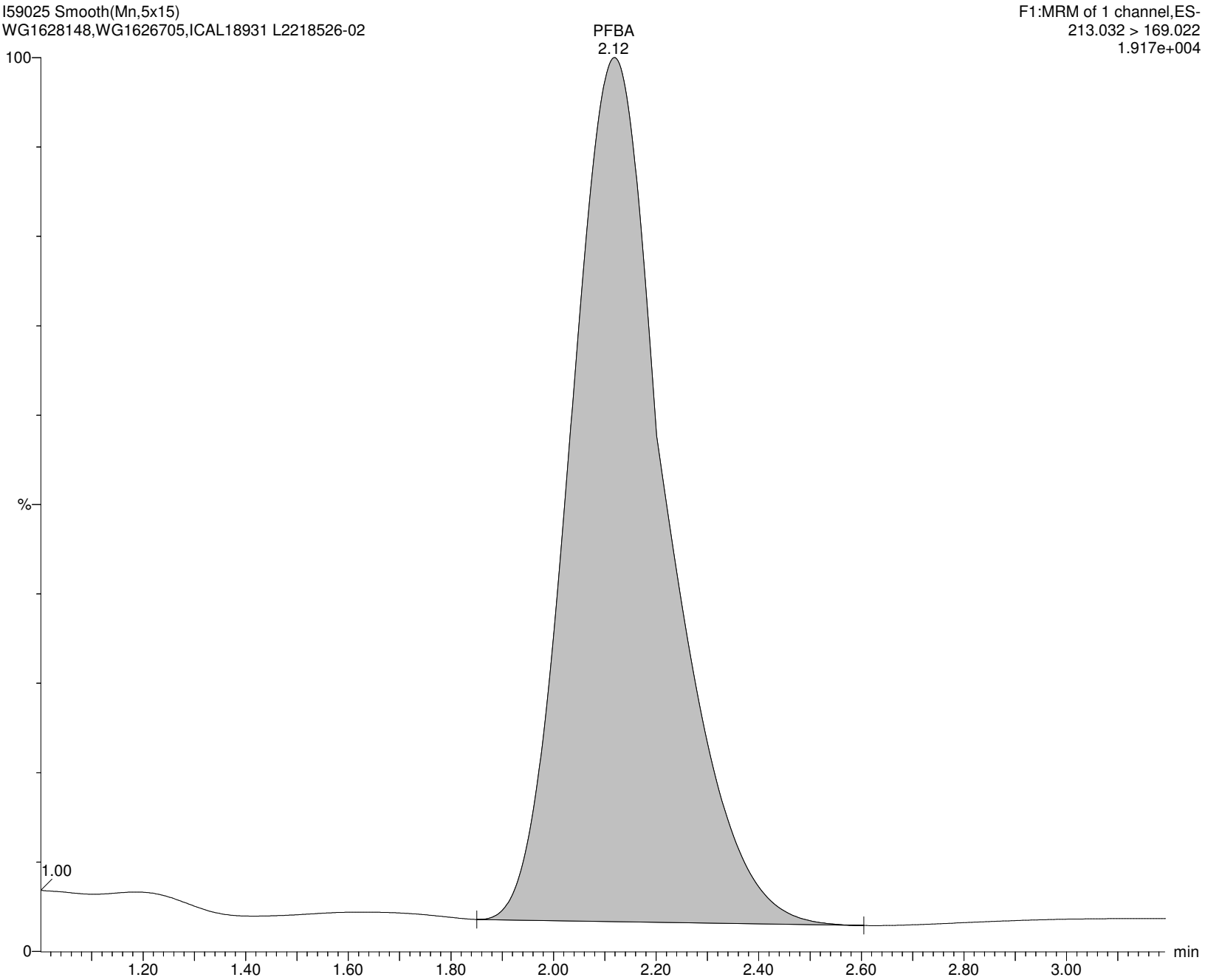
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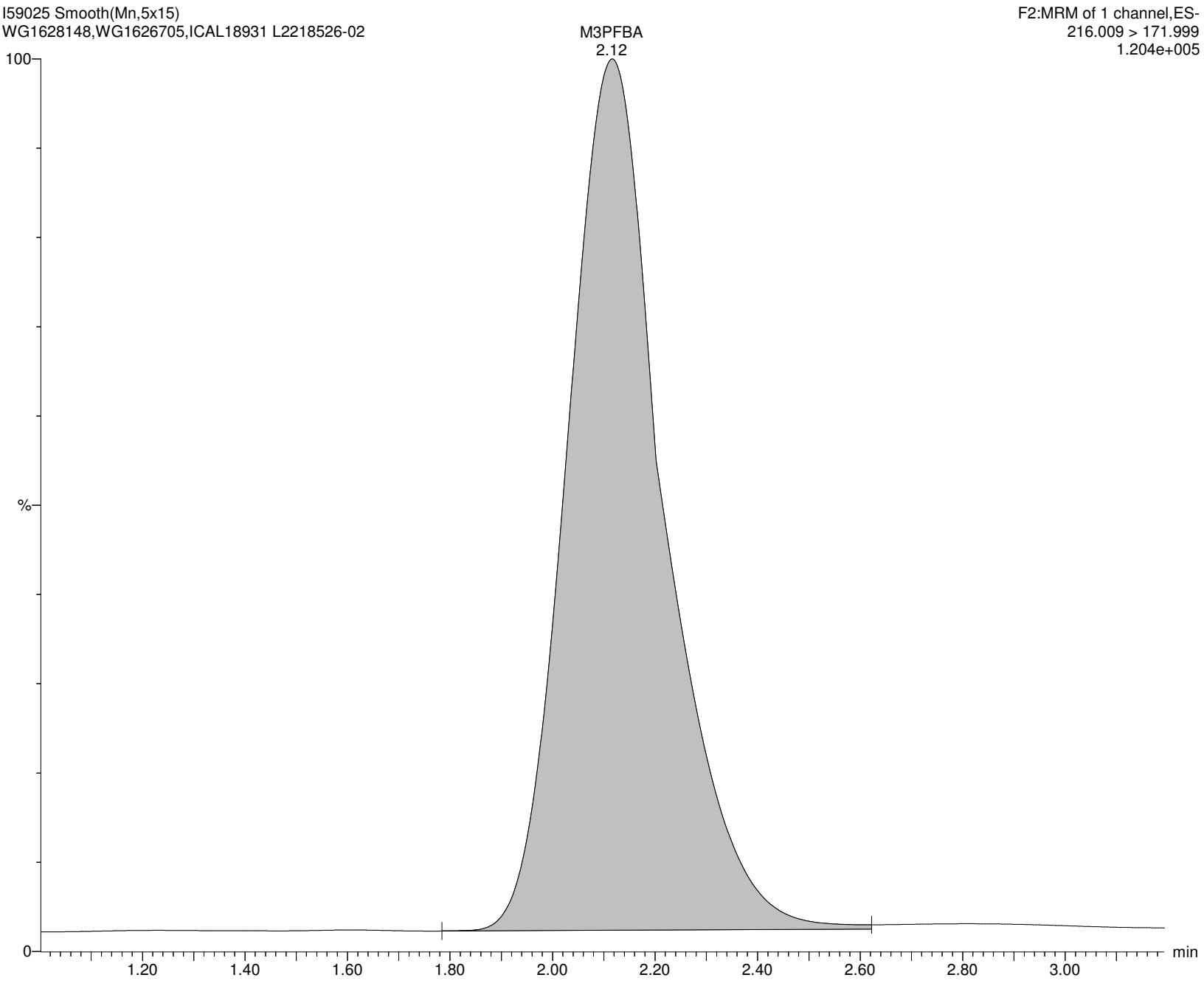


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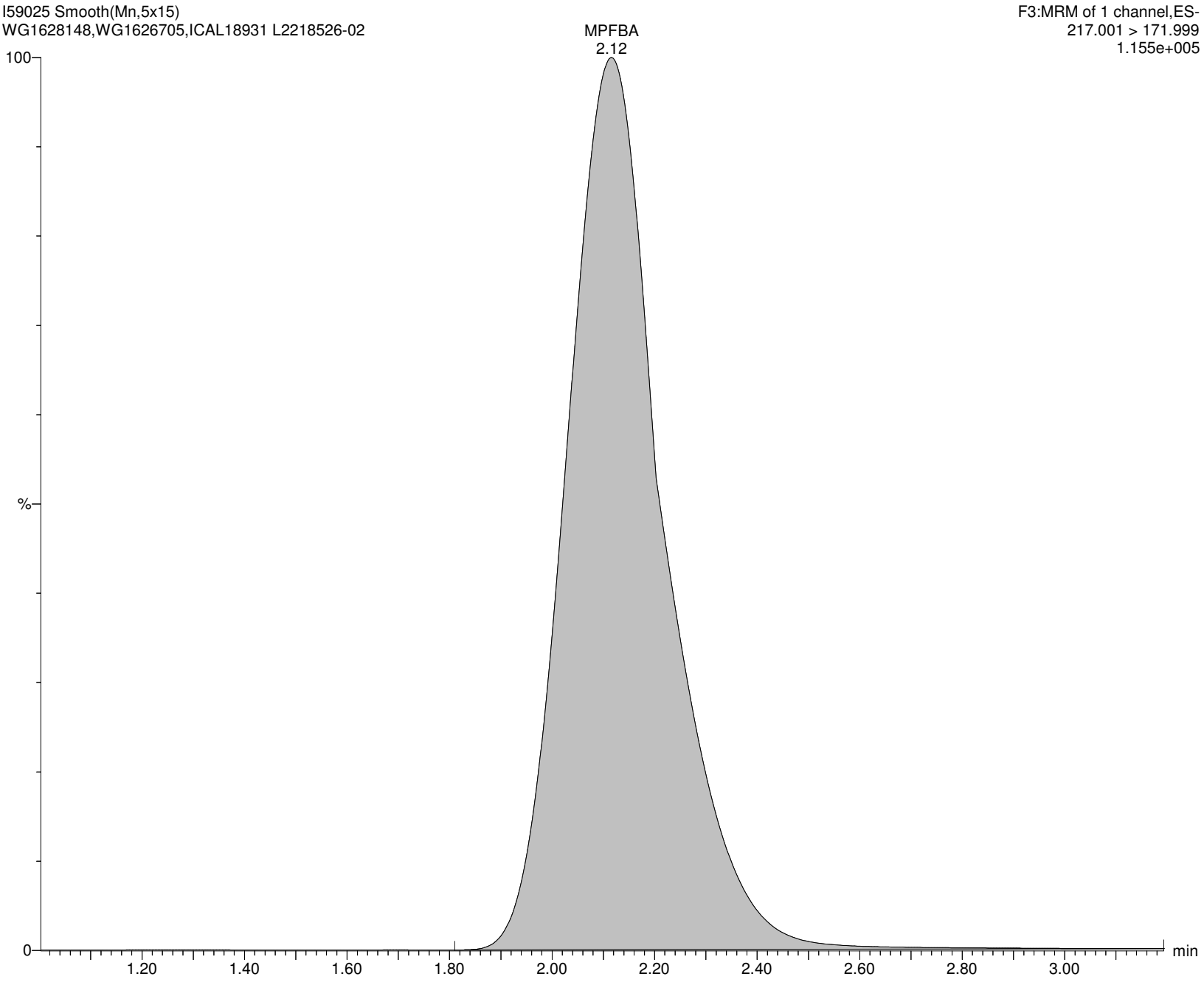


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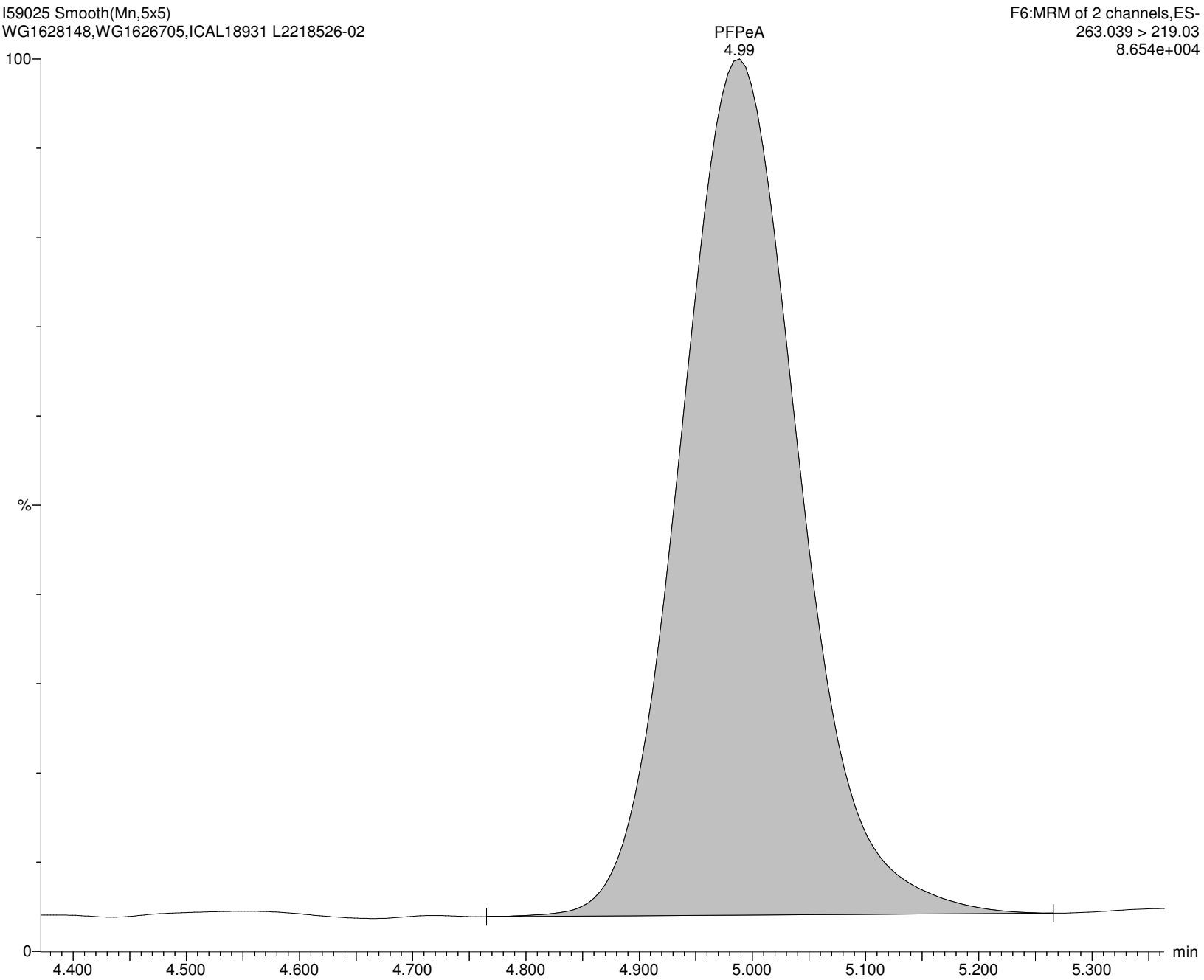


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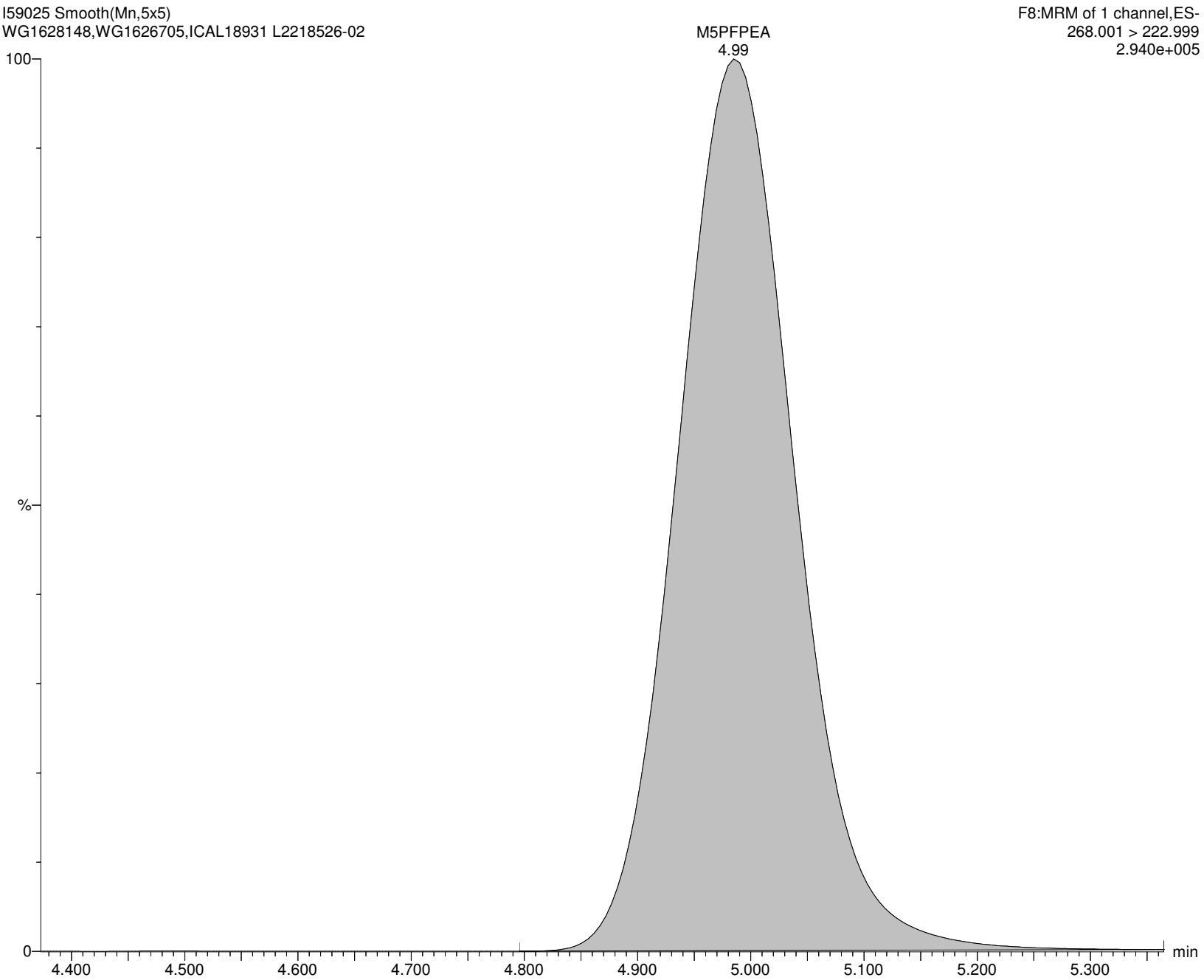


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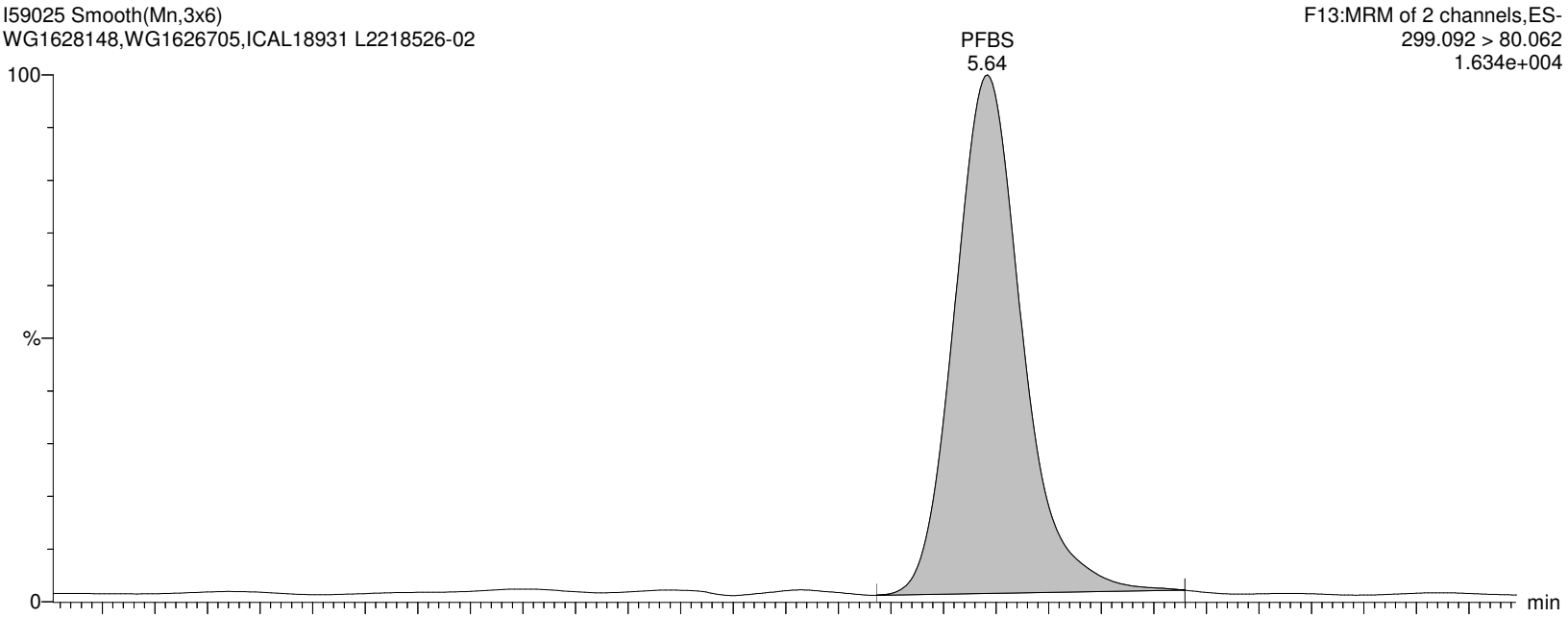


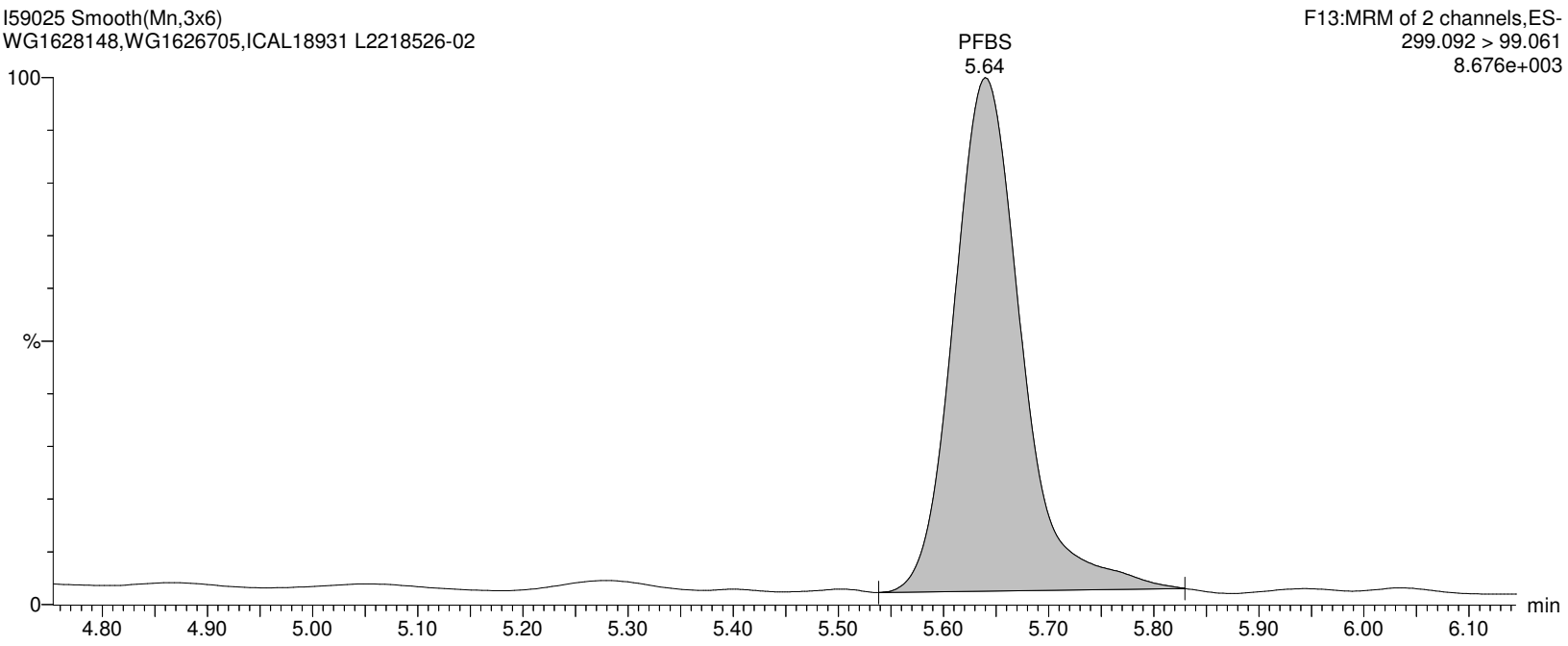
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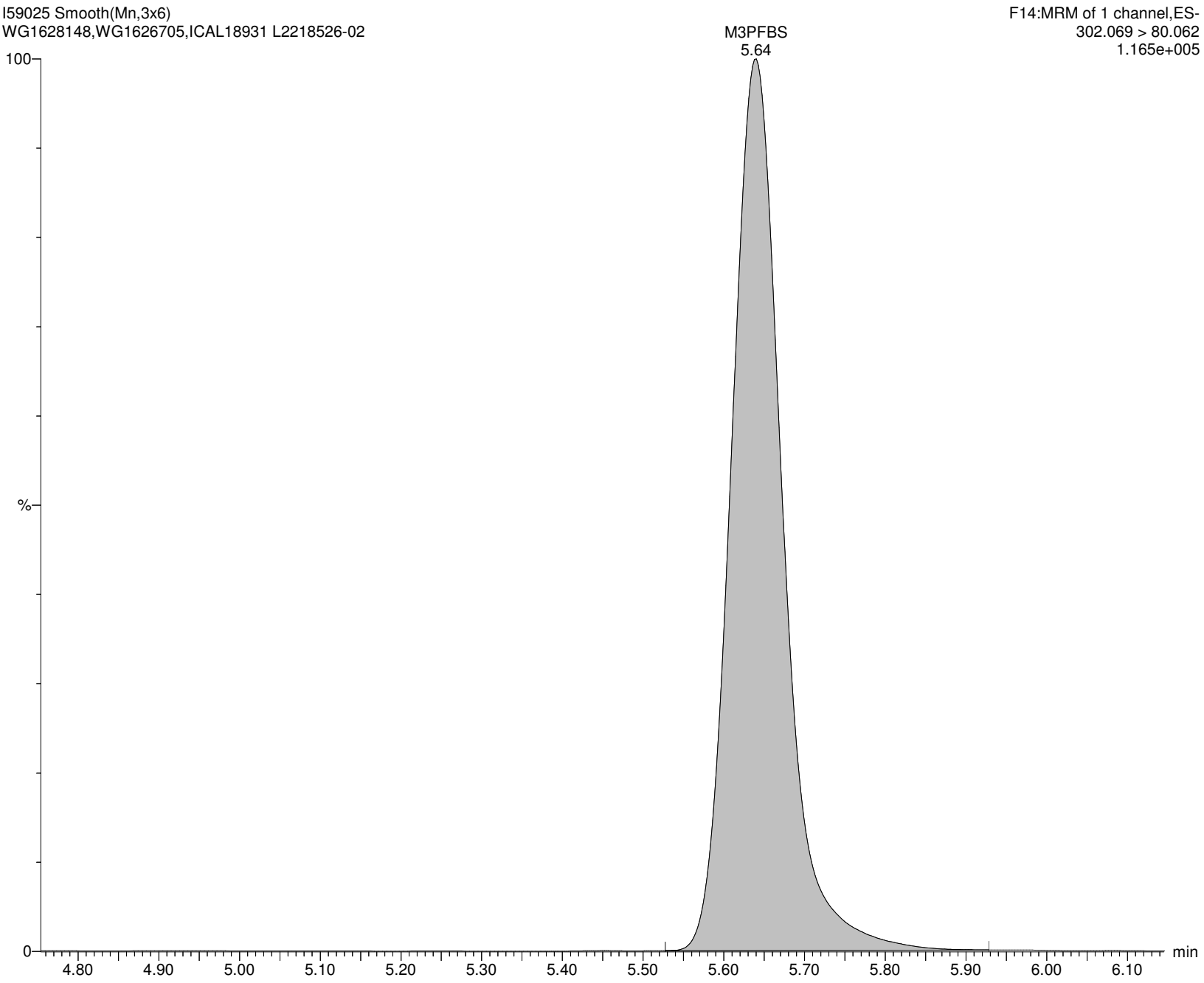


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M3PFBS

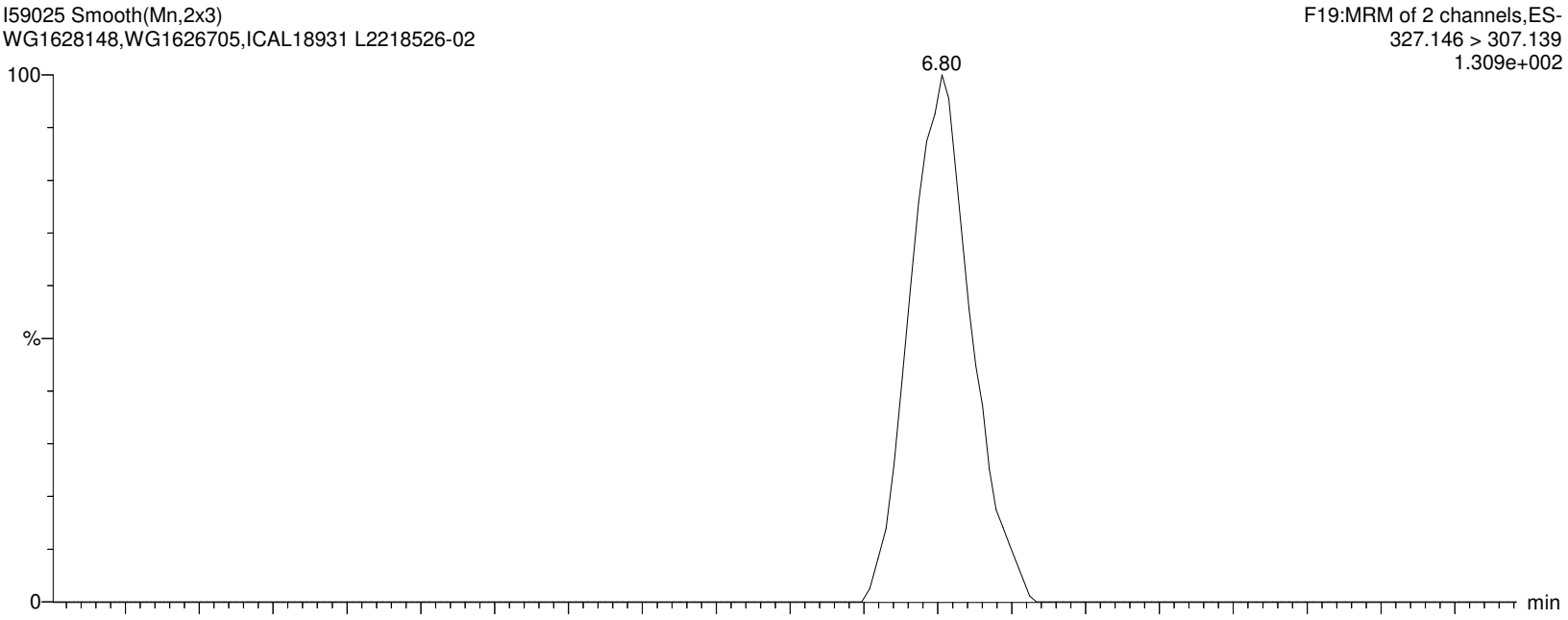


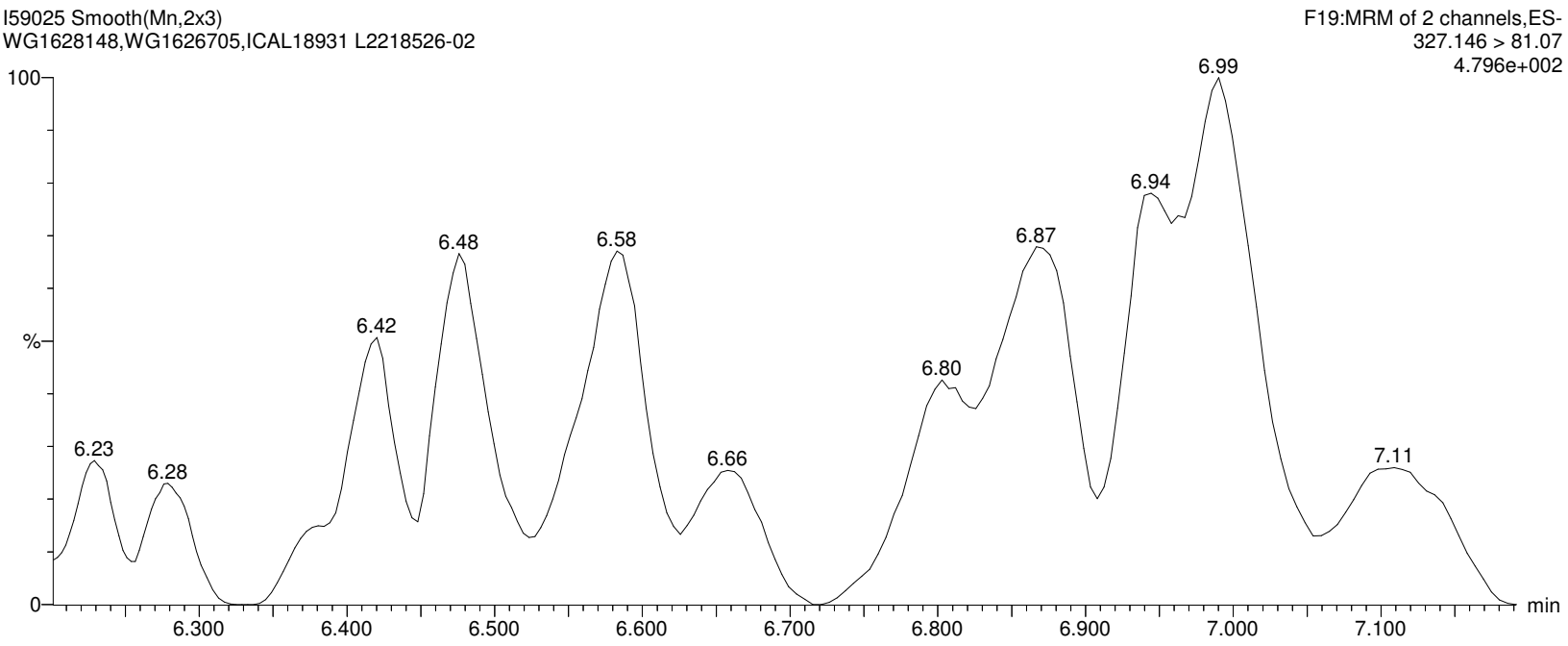
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4:2FTS



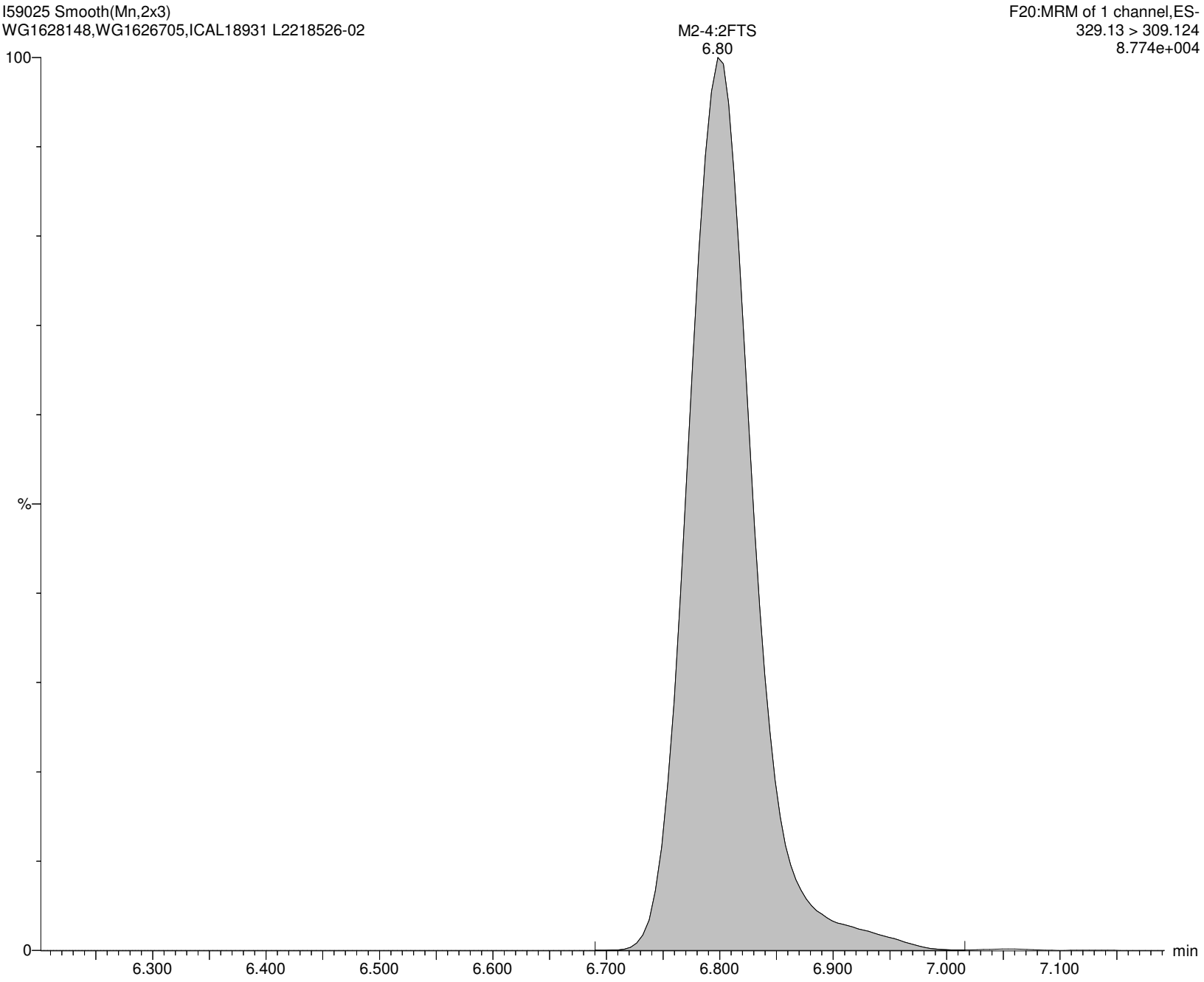


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M2-4:2FTS

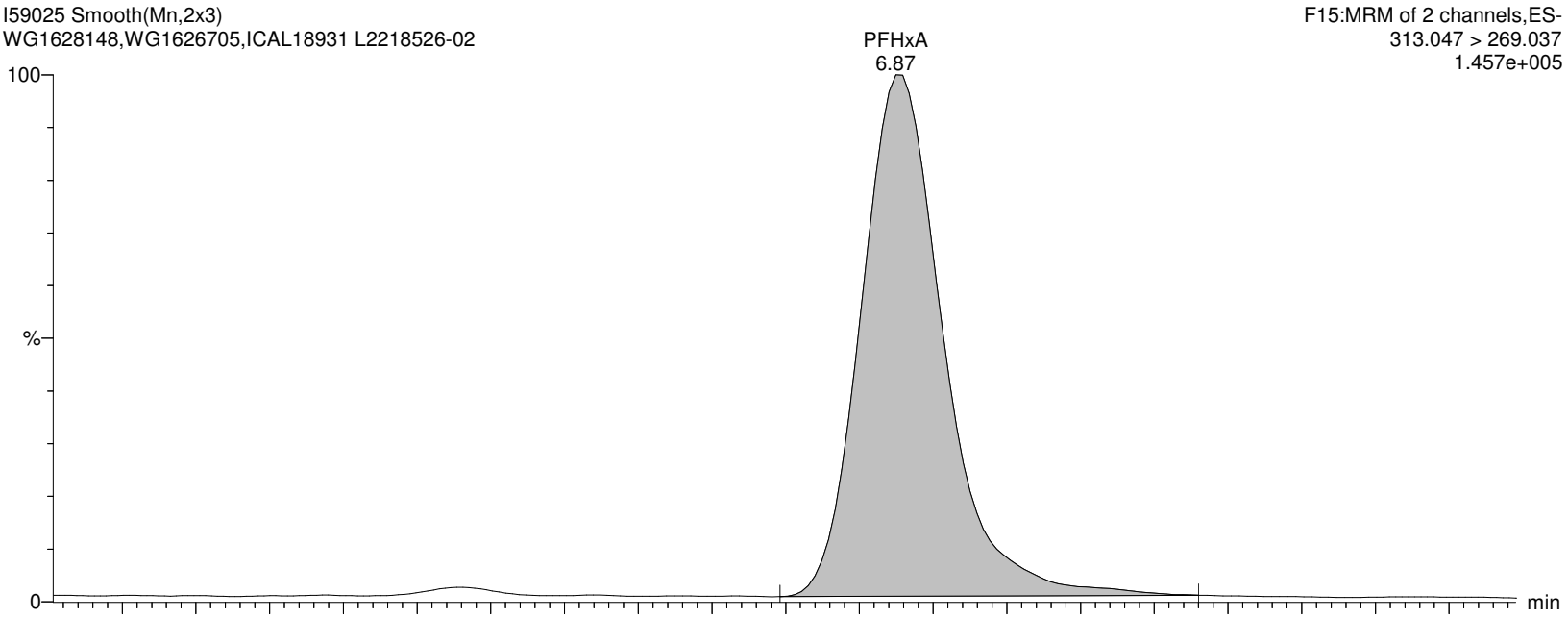


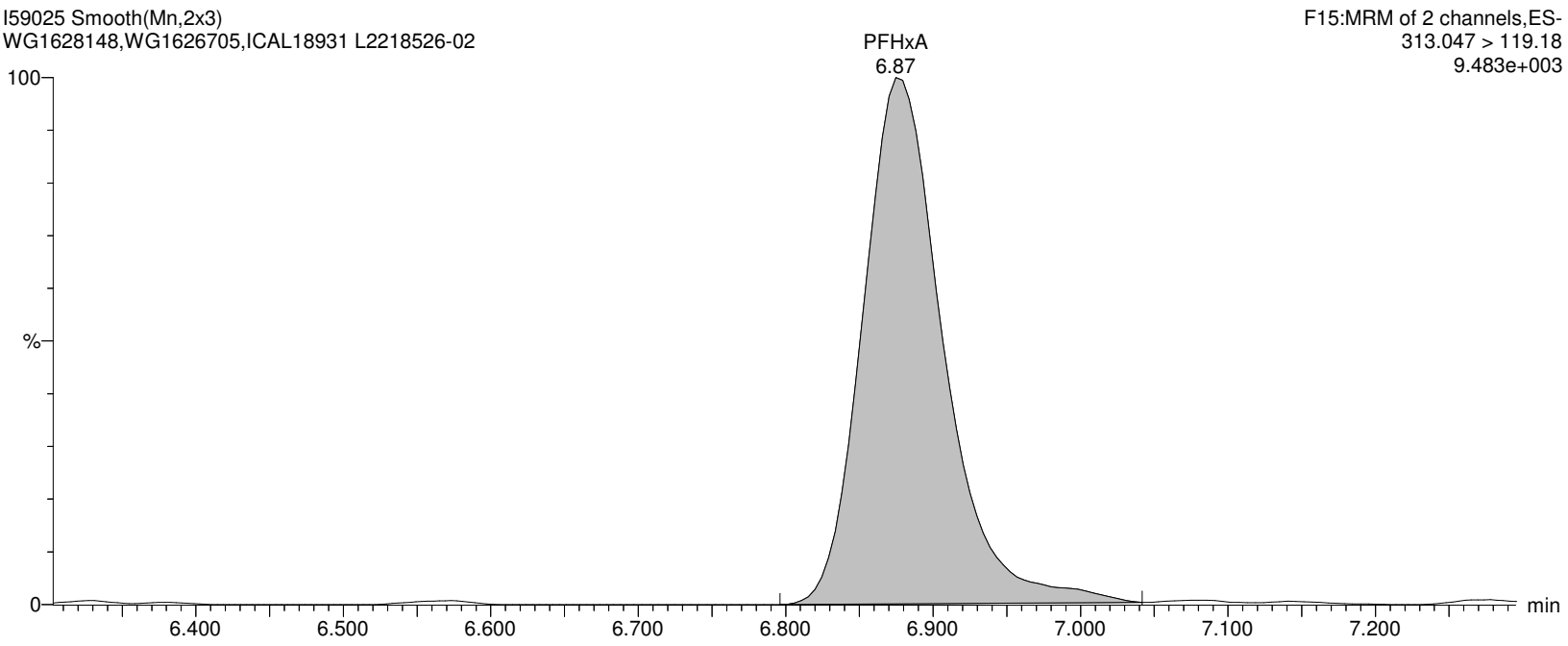
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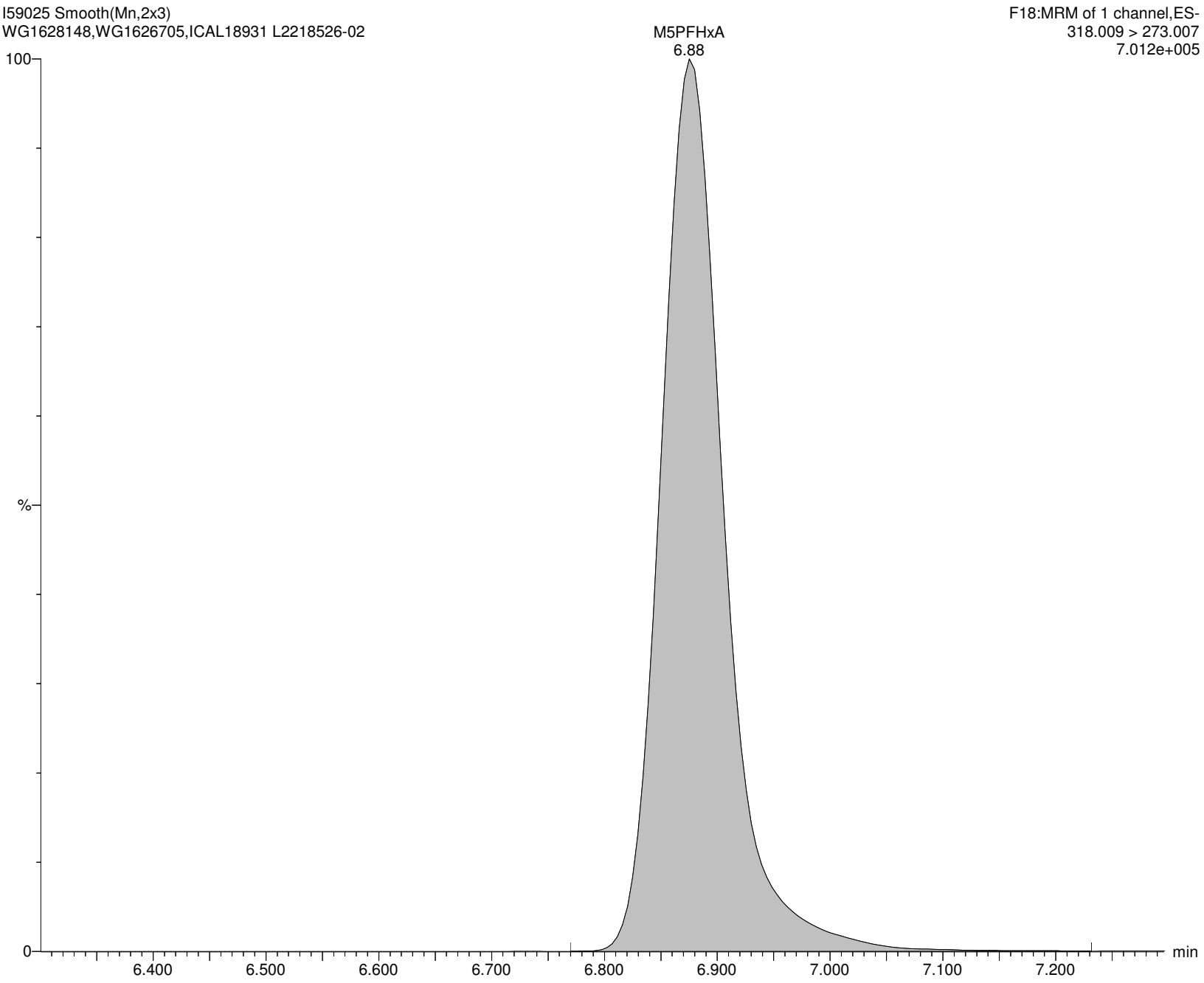


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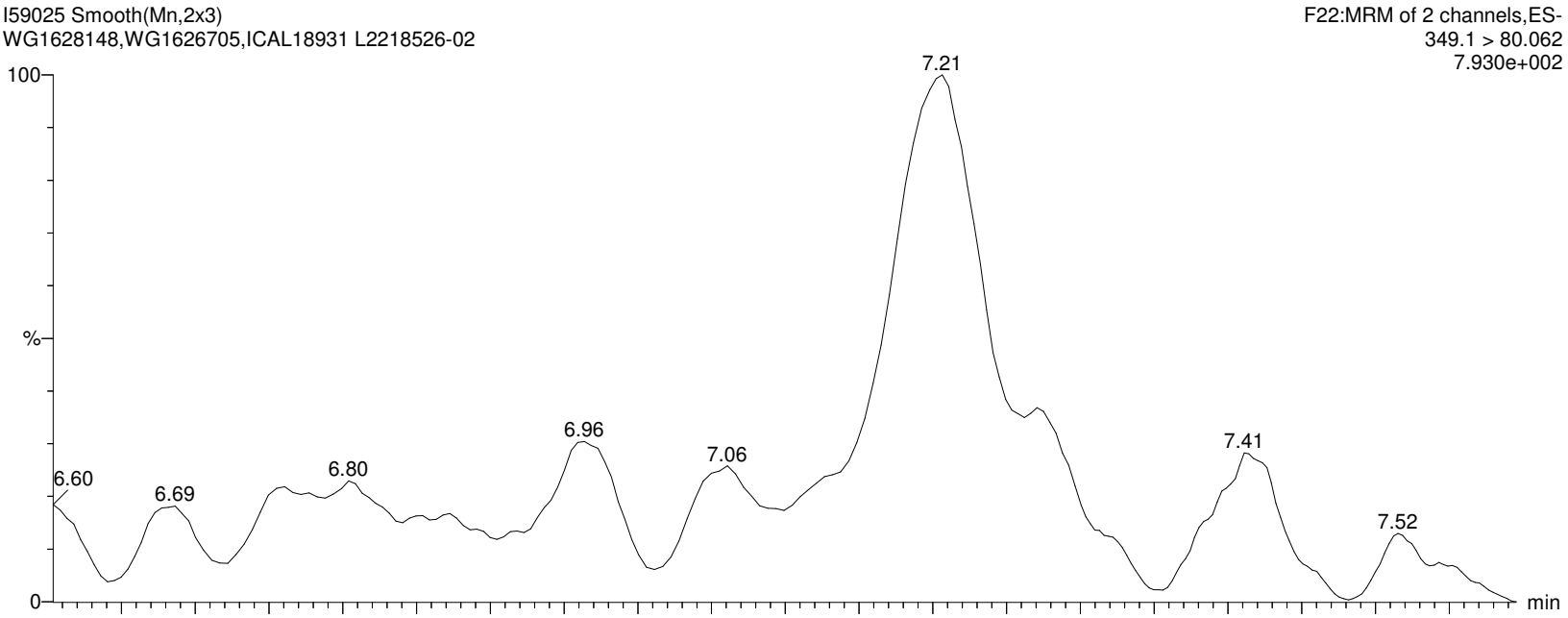


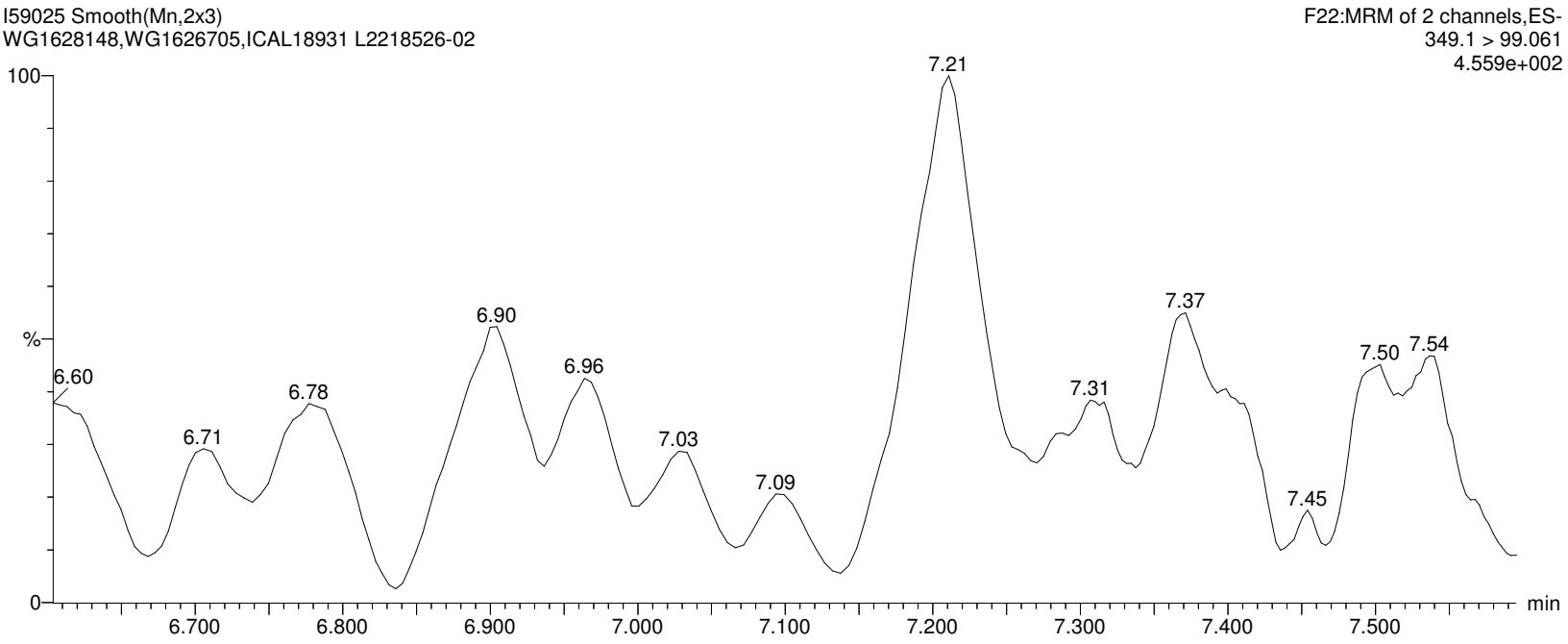
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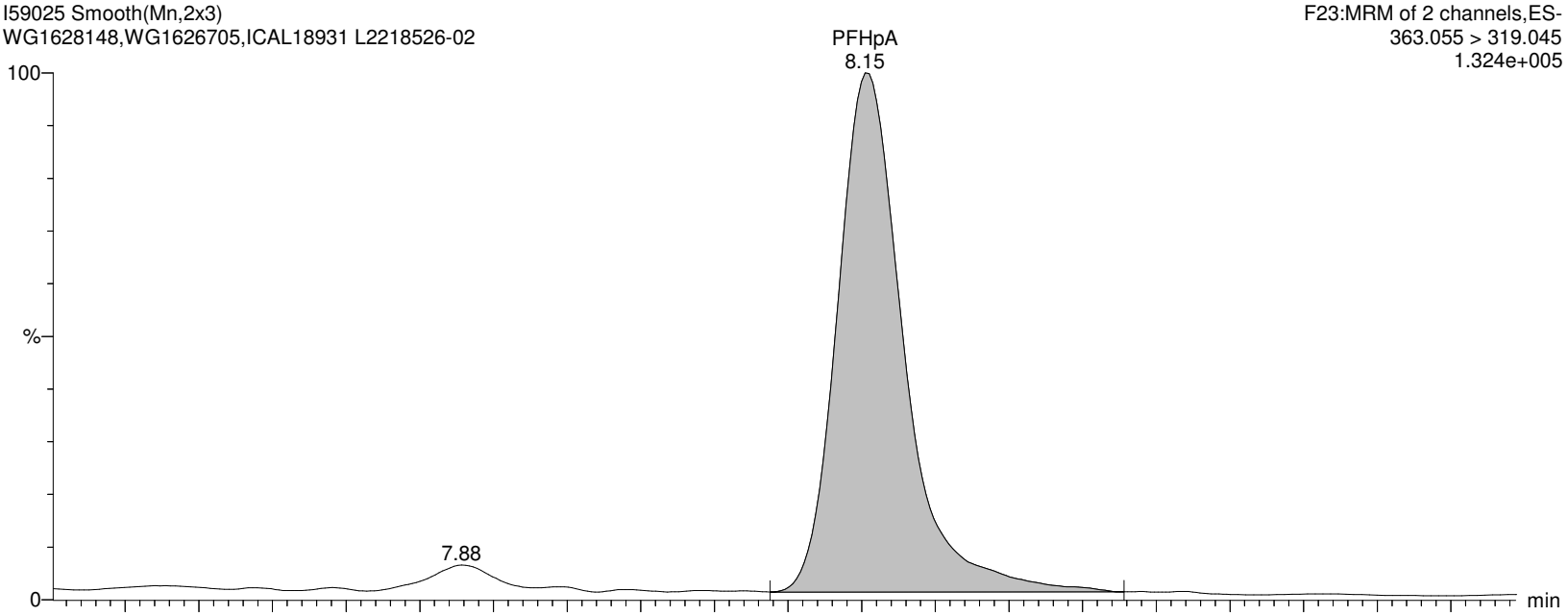


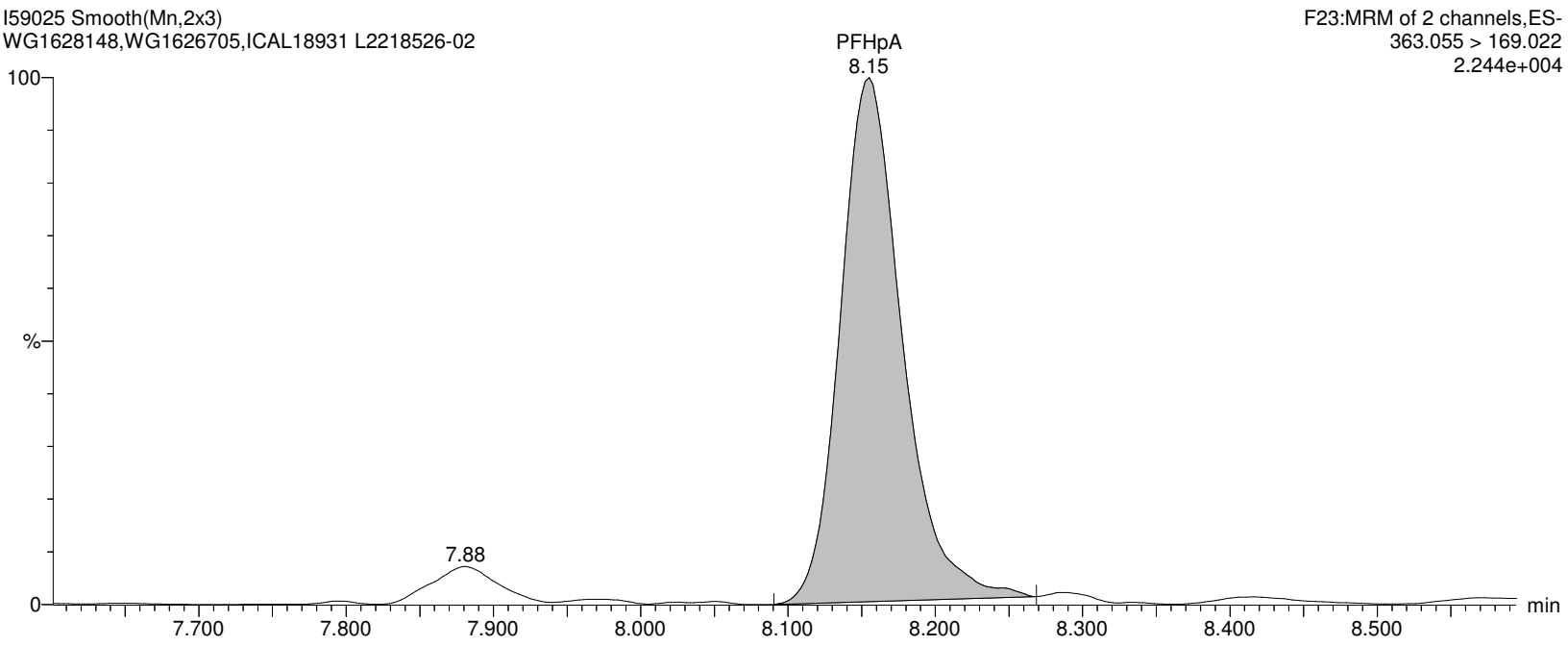
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:04 Eastern Daylight Time

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ID: L2218526-02
Date: 18-Apr-2022
Time: 00:11:40
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
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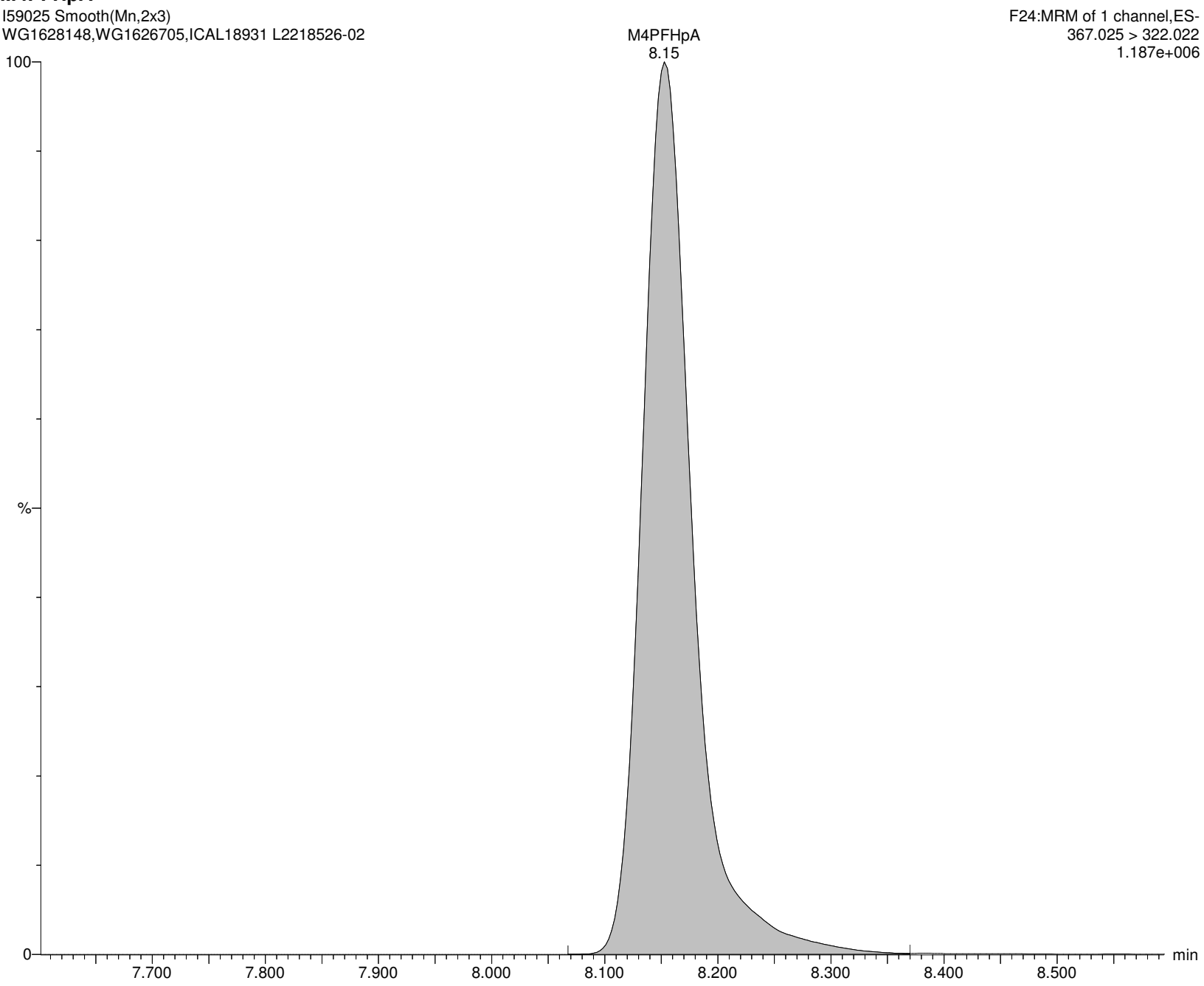


all concentration units in (ng/mL)

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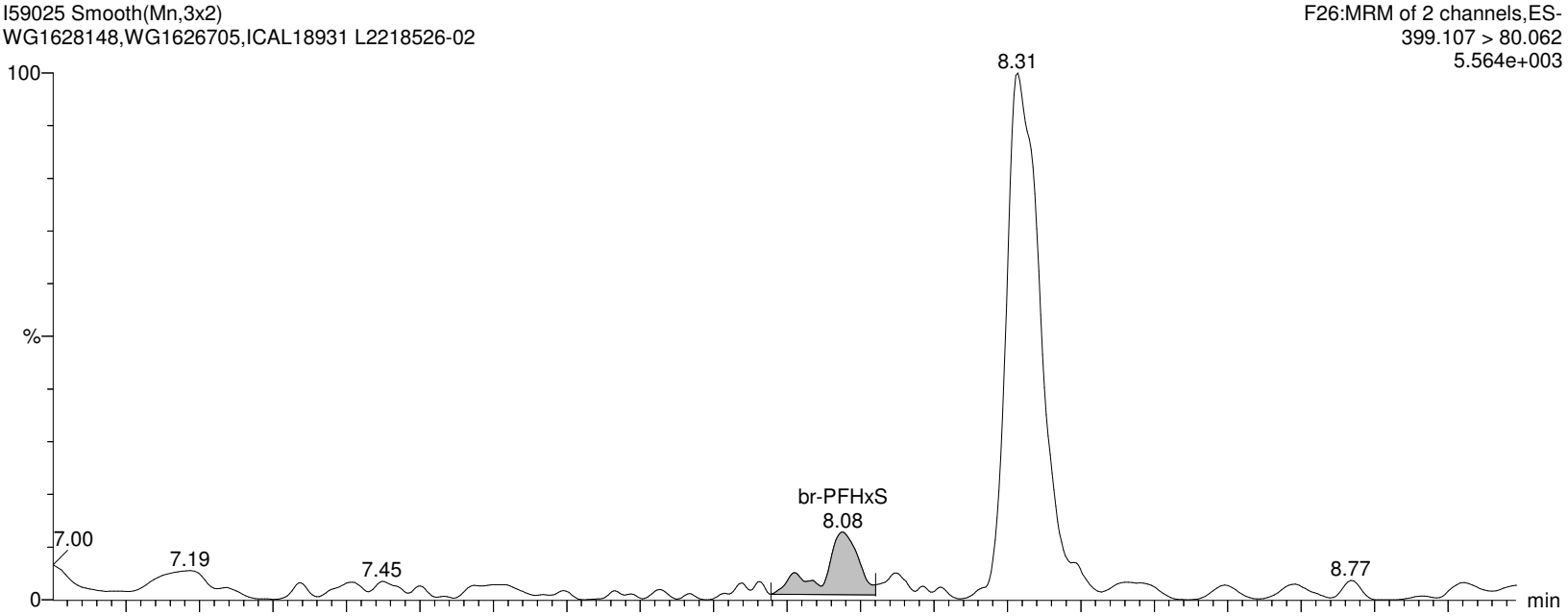


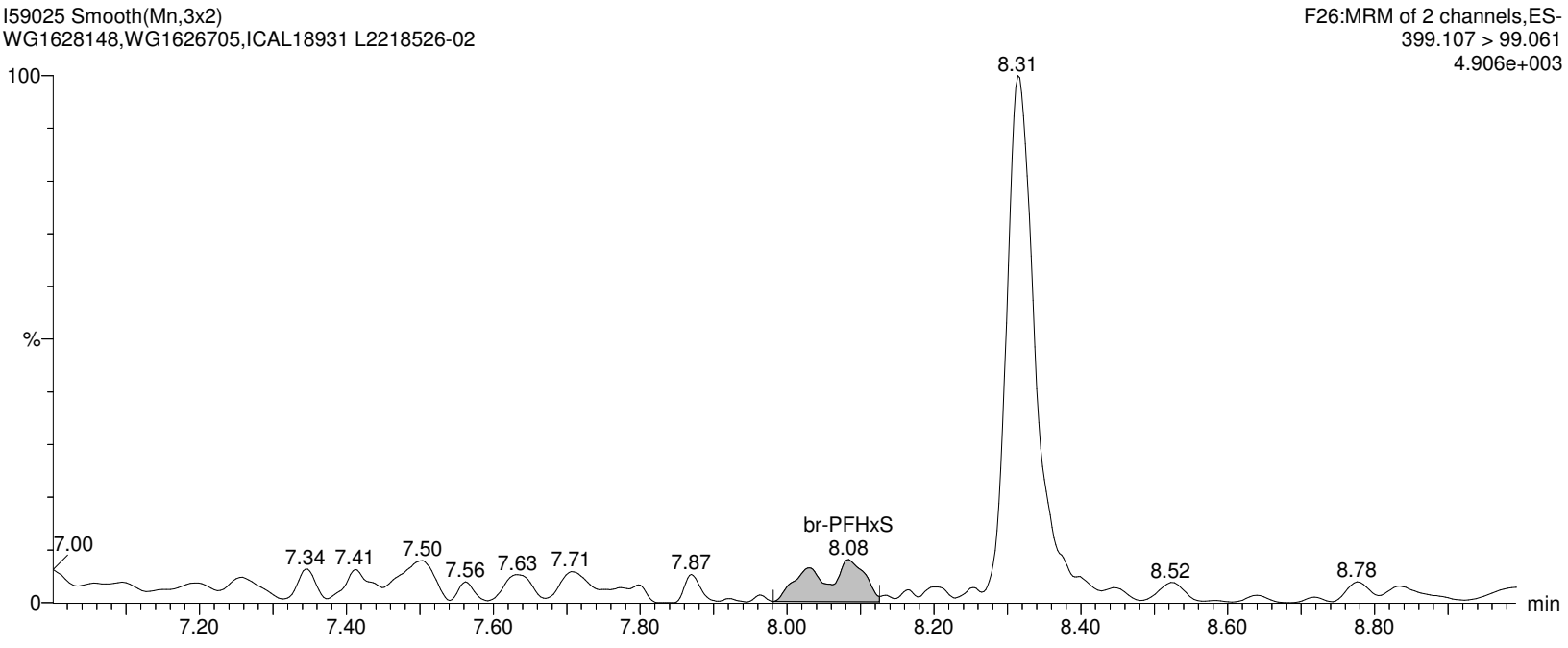
all concentration units in (ng/mL)

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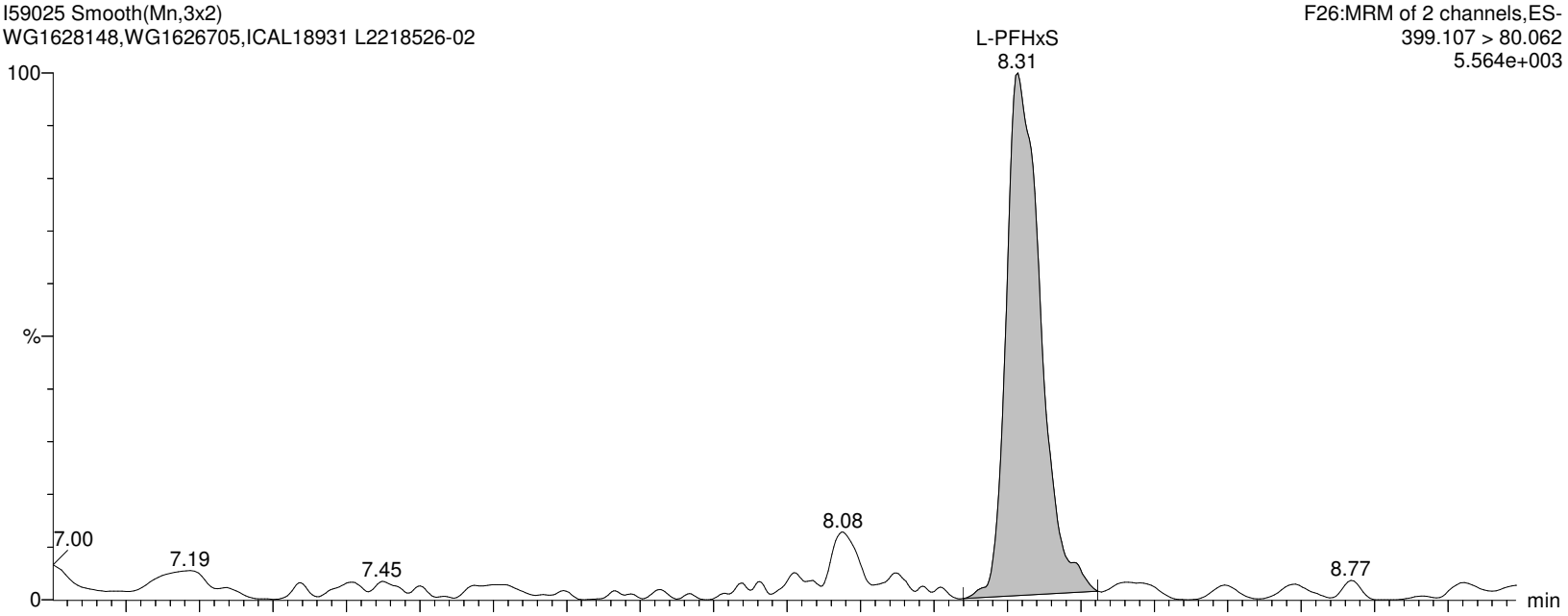


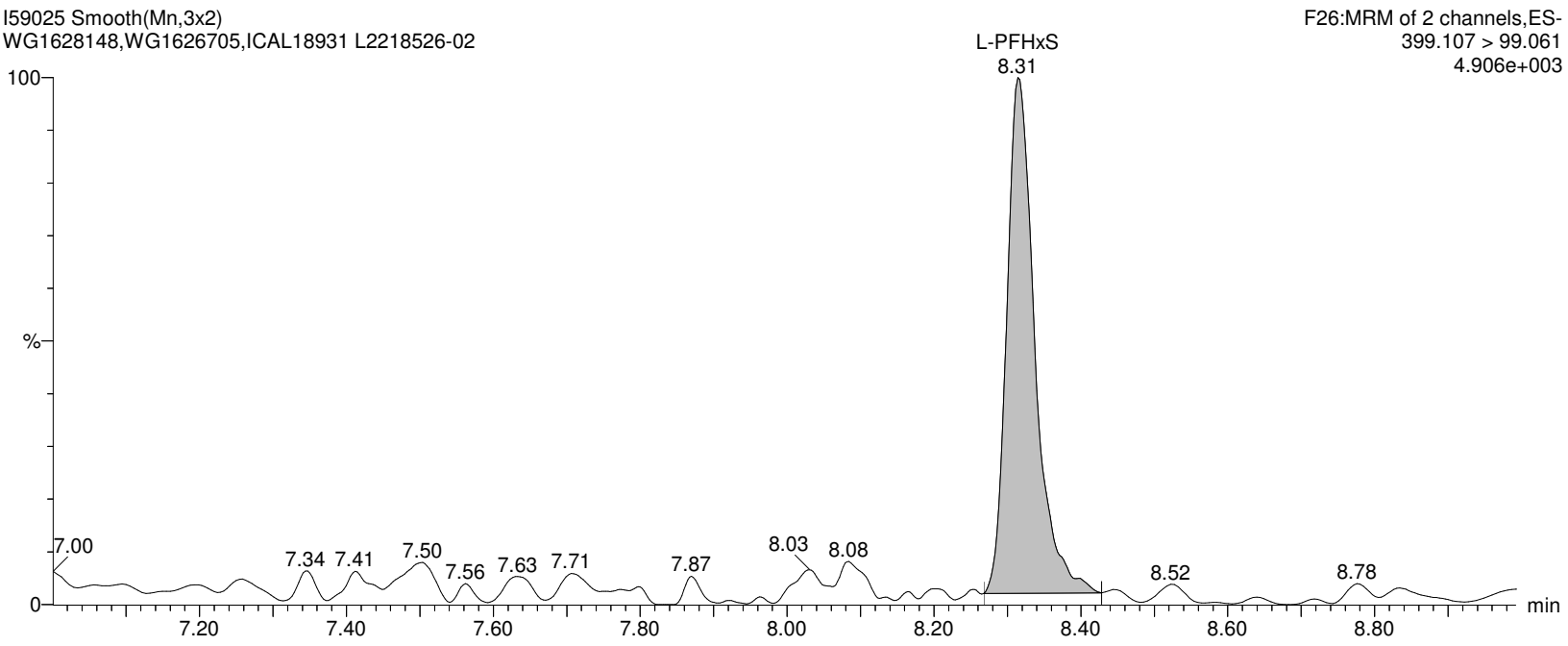
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L-PFHxS



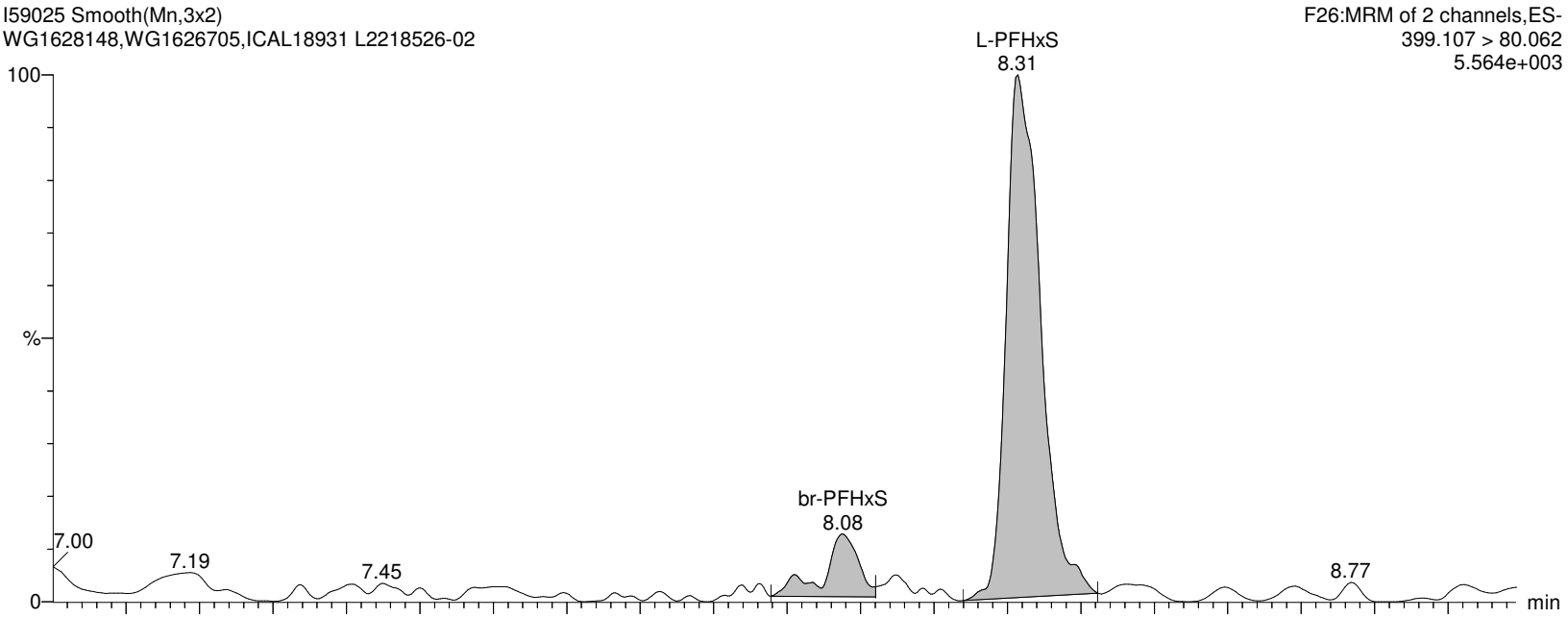


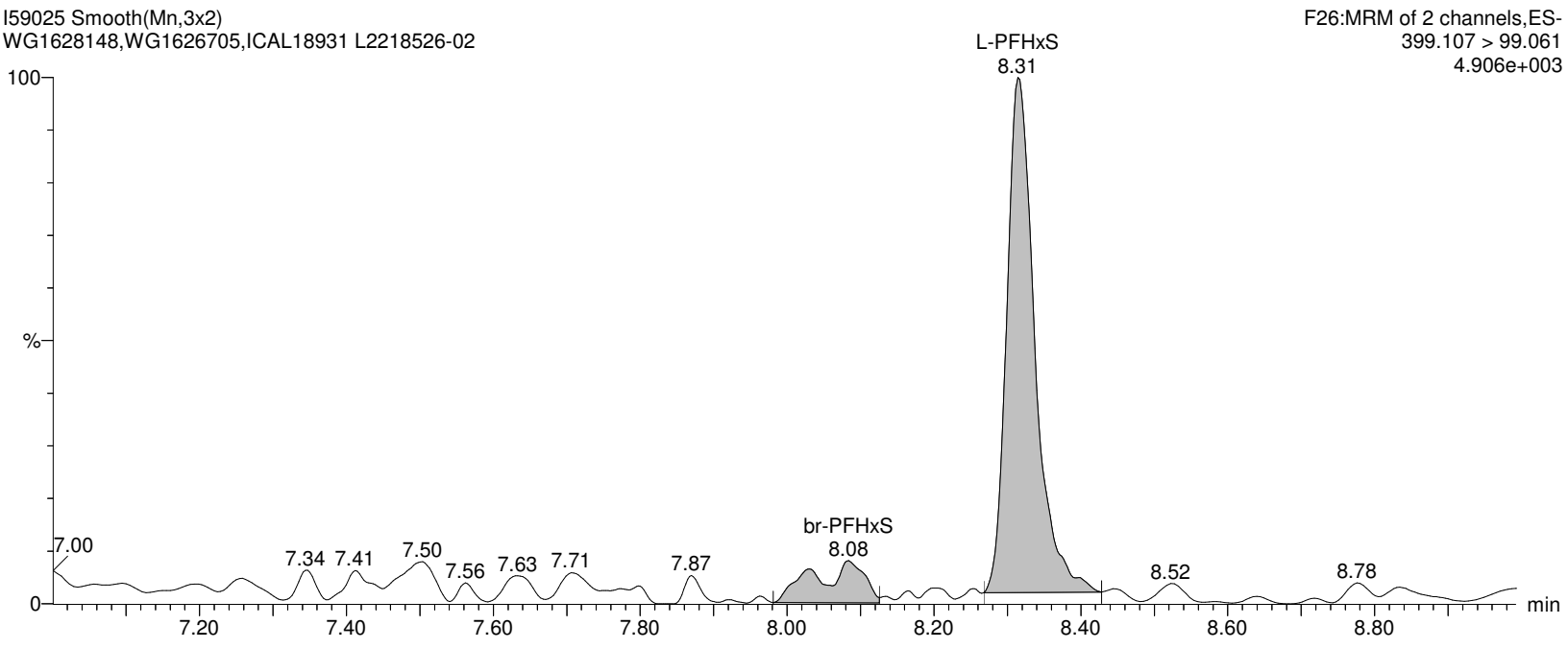
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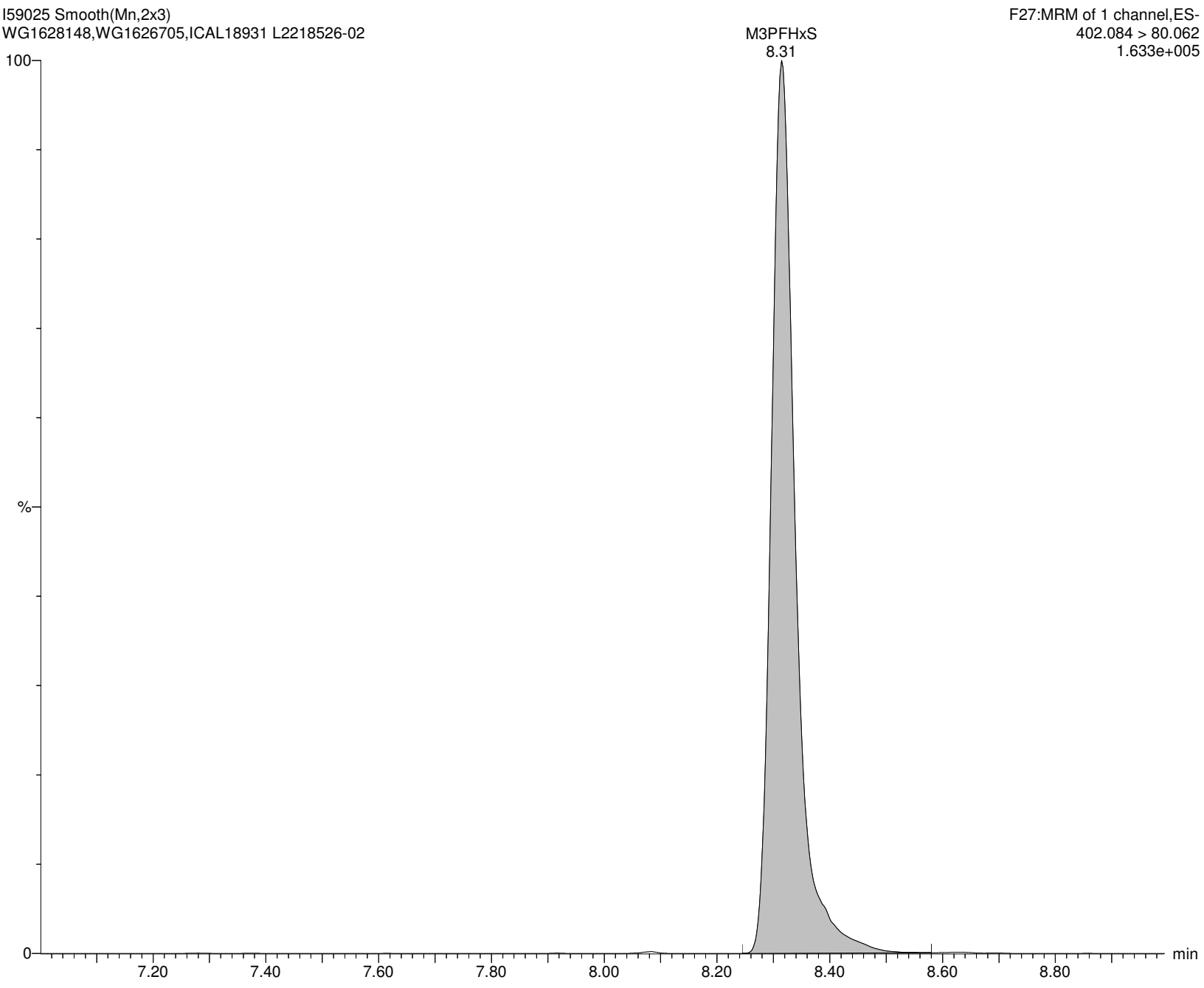


all concentration units in (ng/mL)

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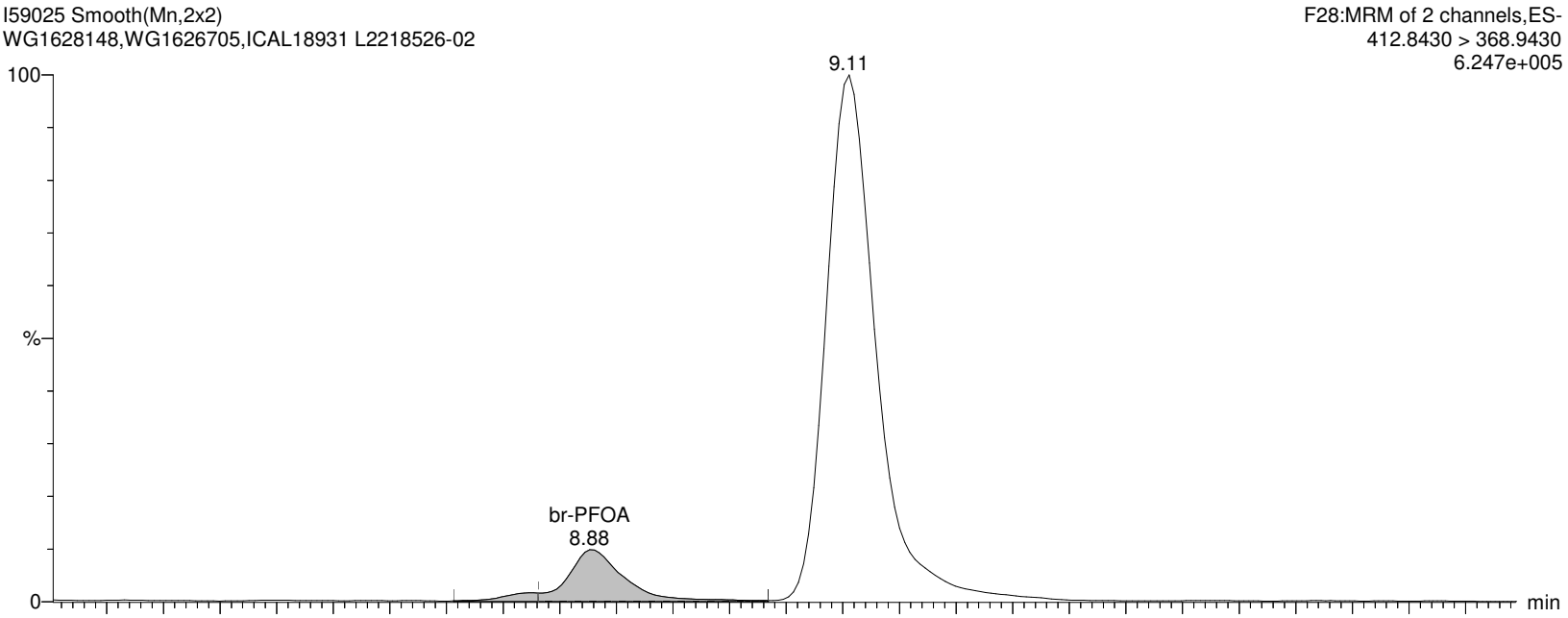


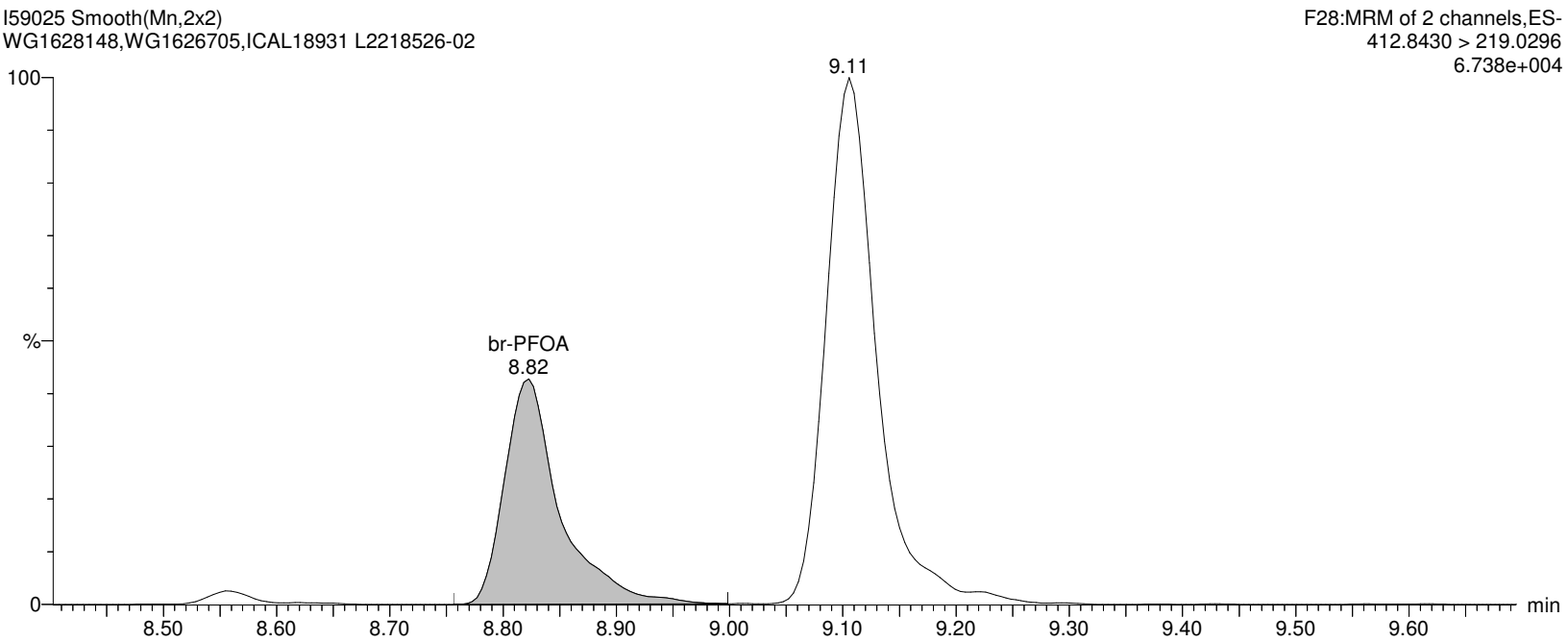
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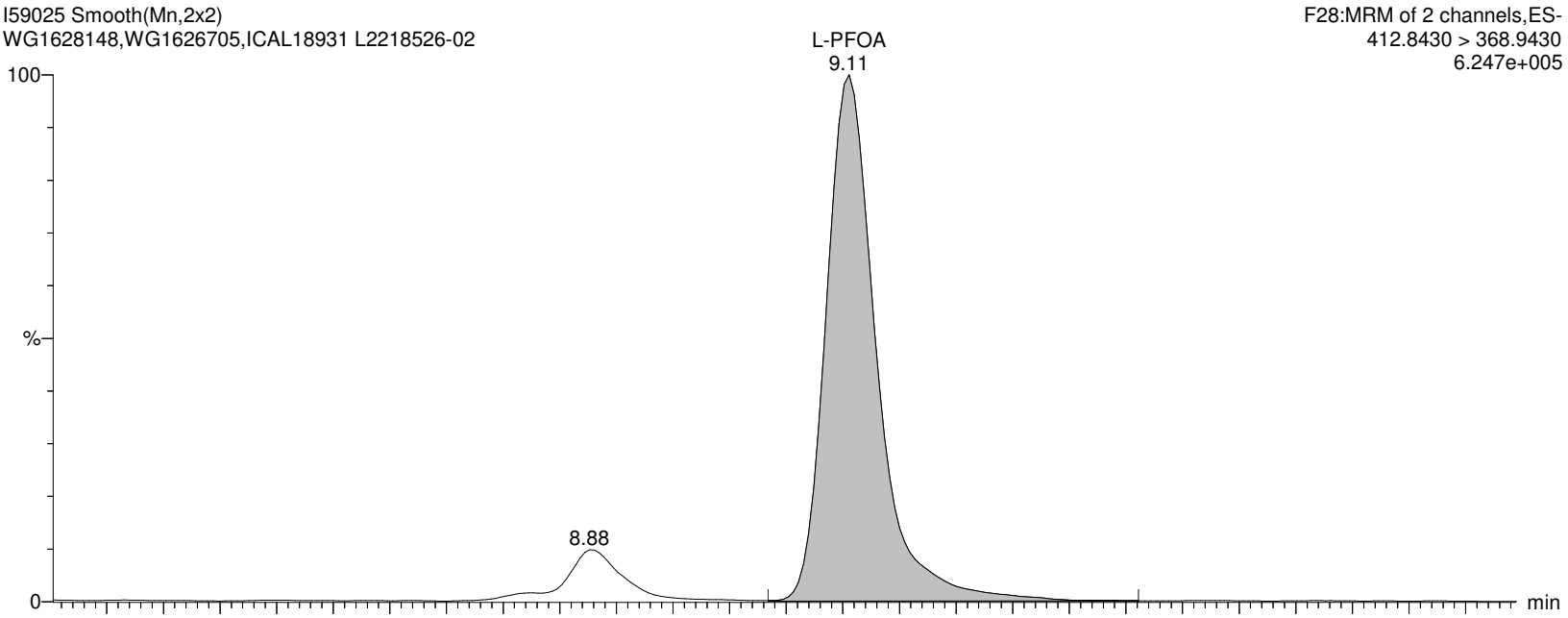


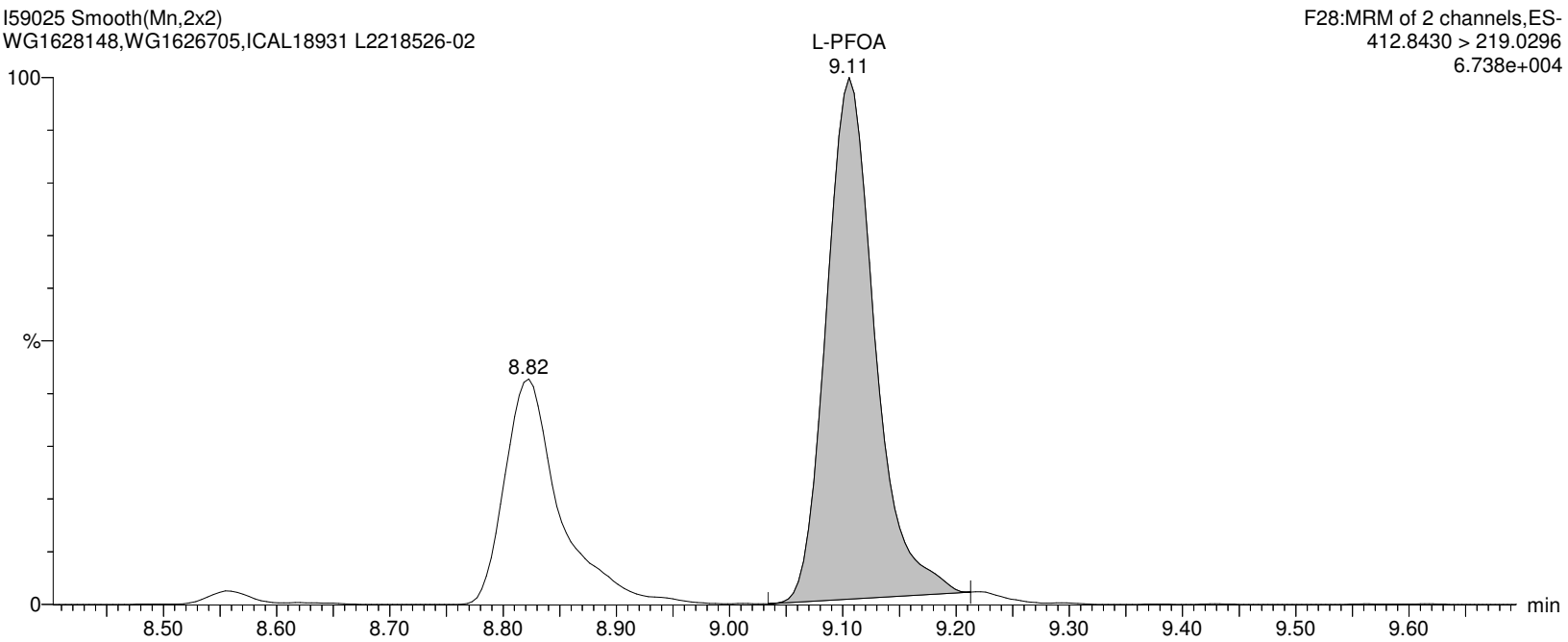
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L-PFOA



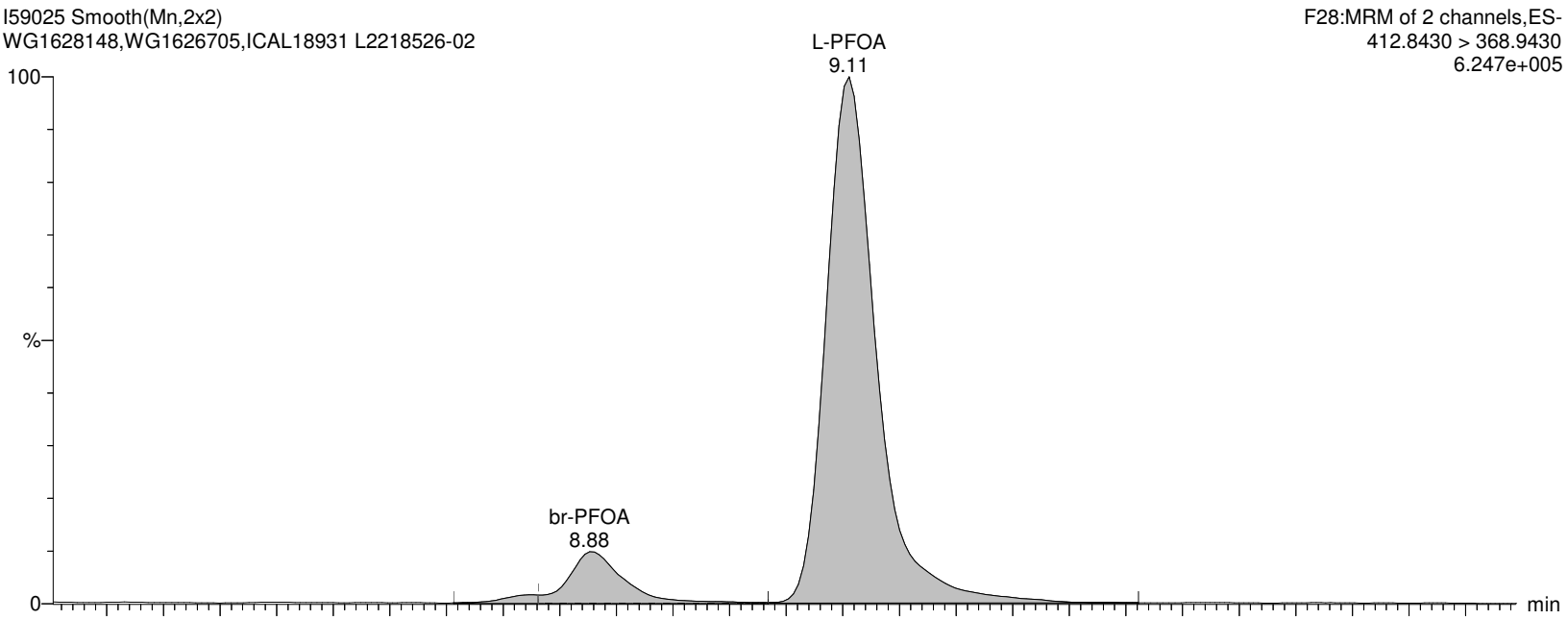


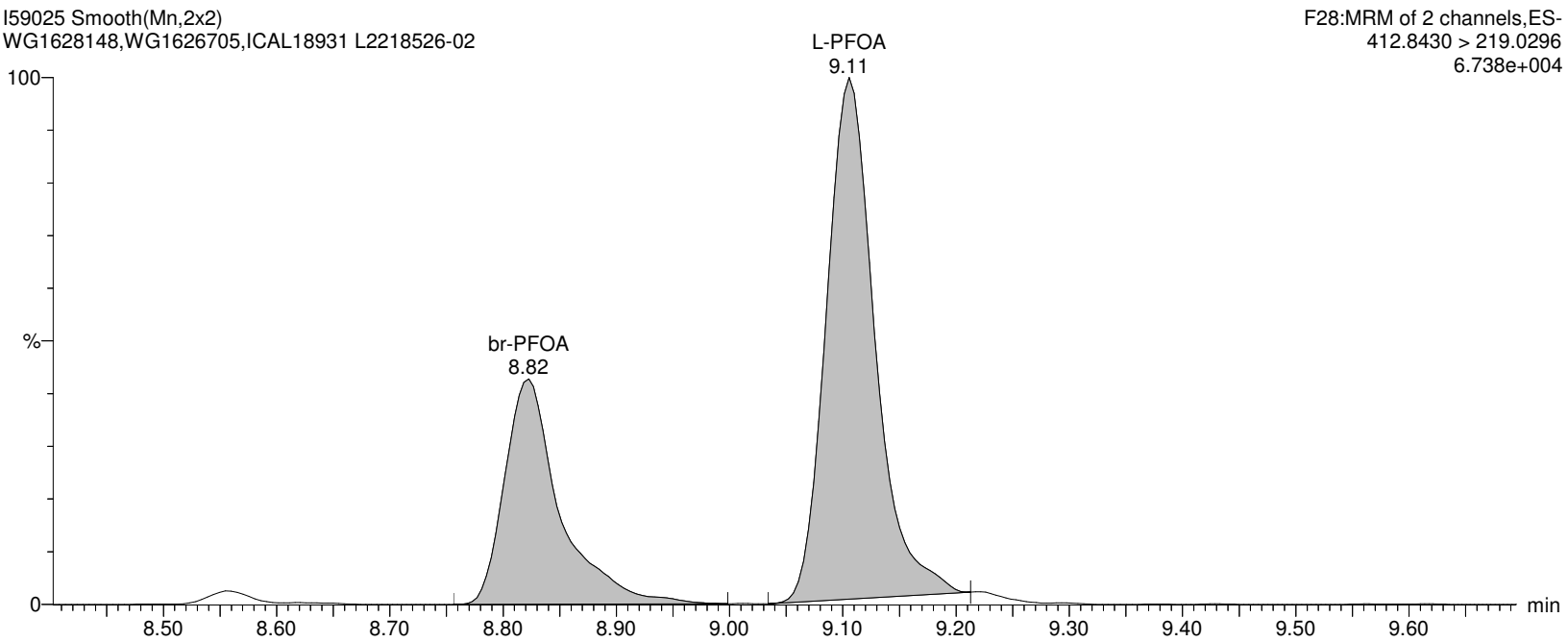
all concentration units in (ng/mL)

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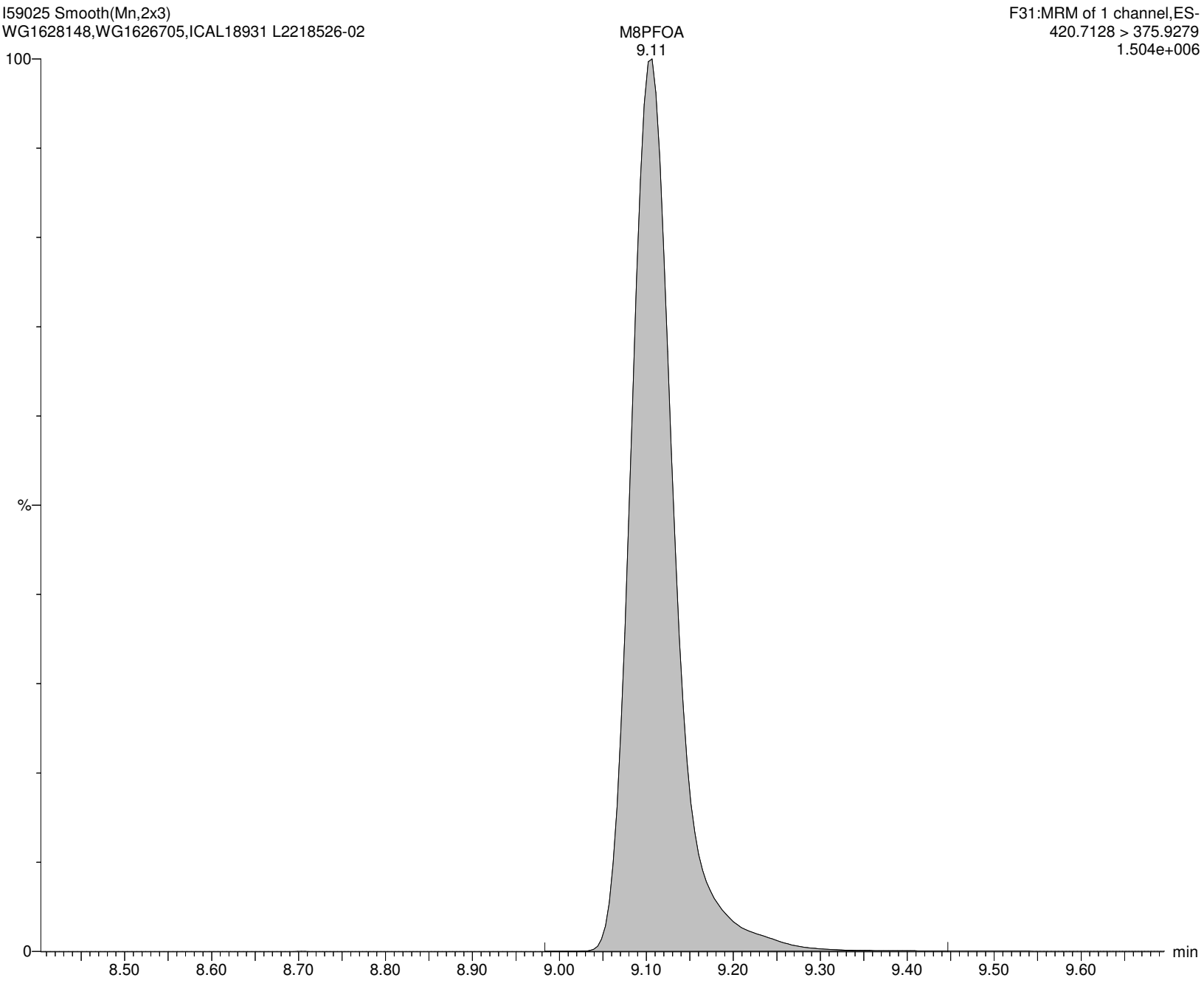


all concentration units in (ng/mL)

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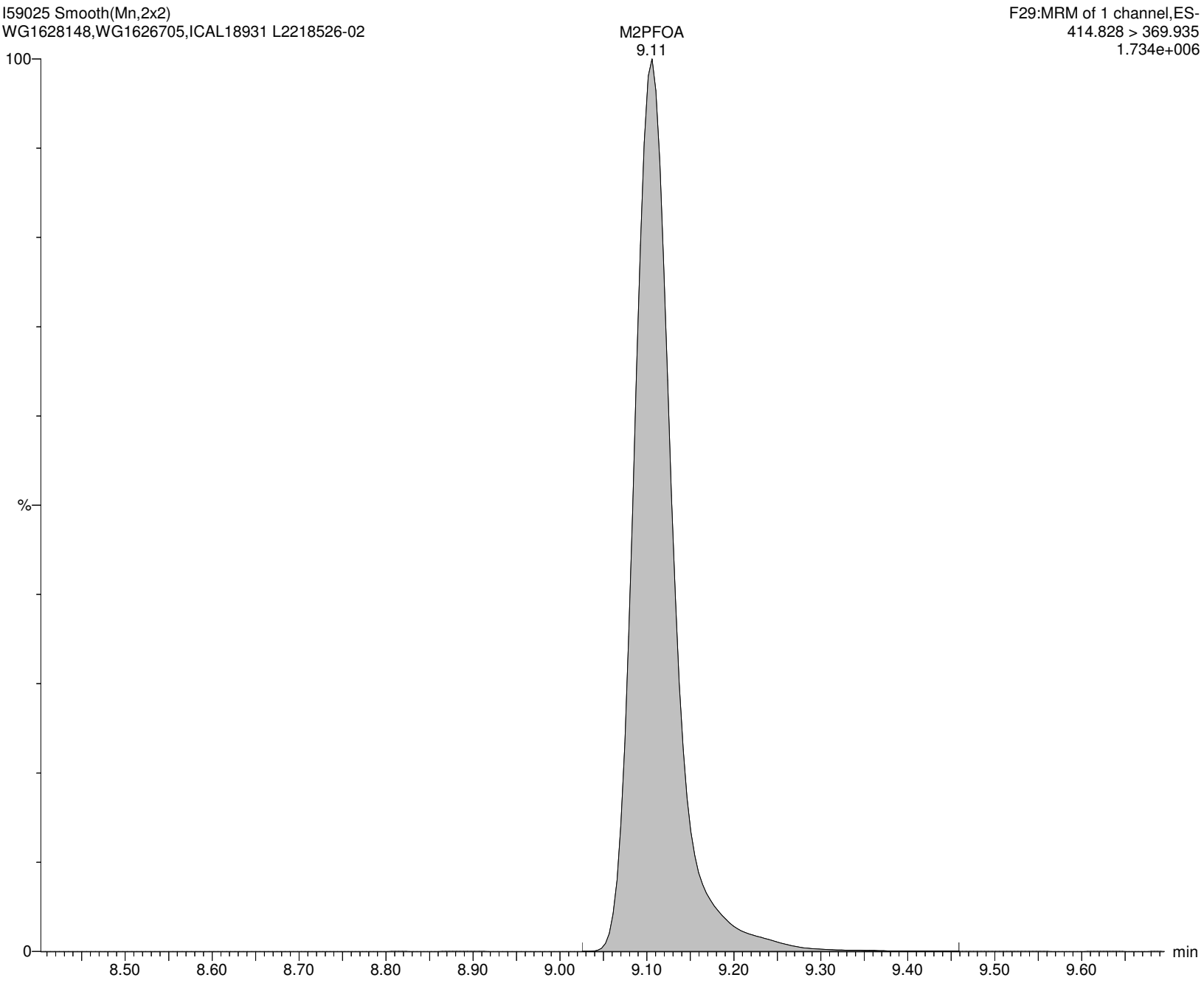


all concentration units in (ng/mL)

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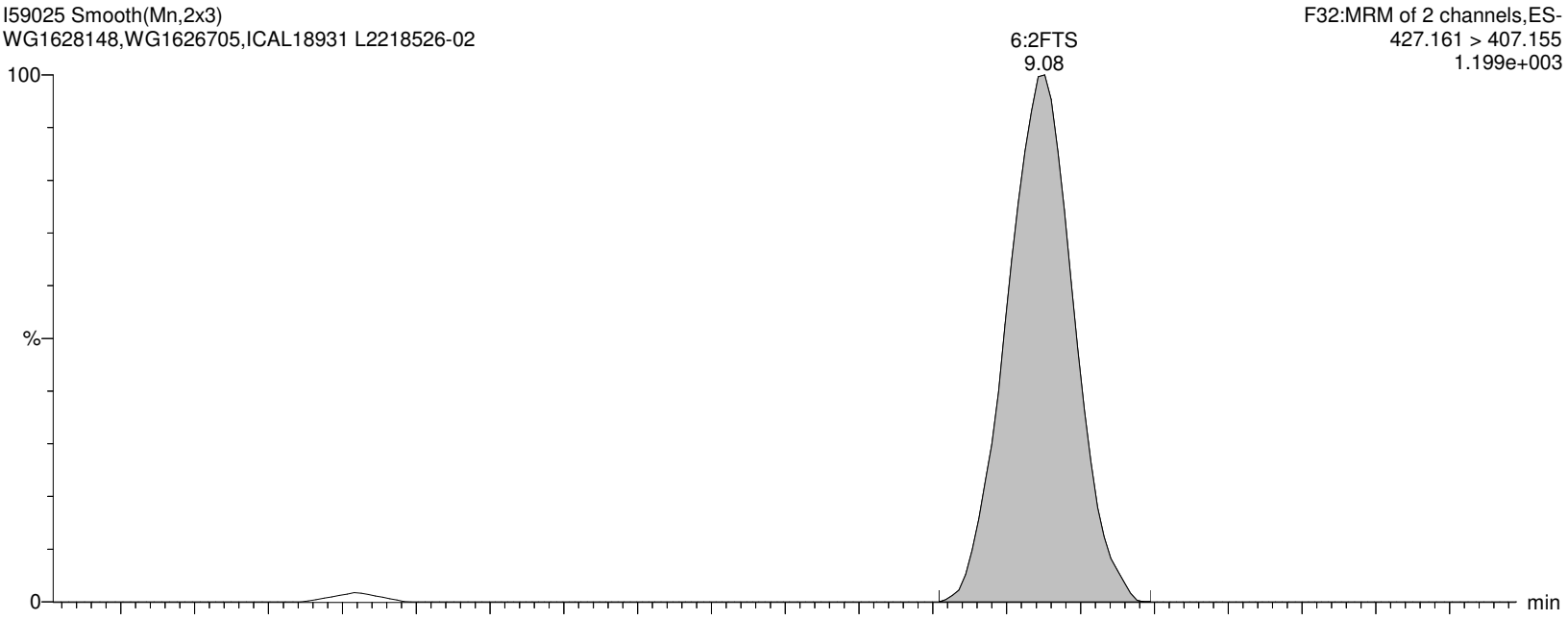


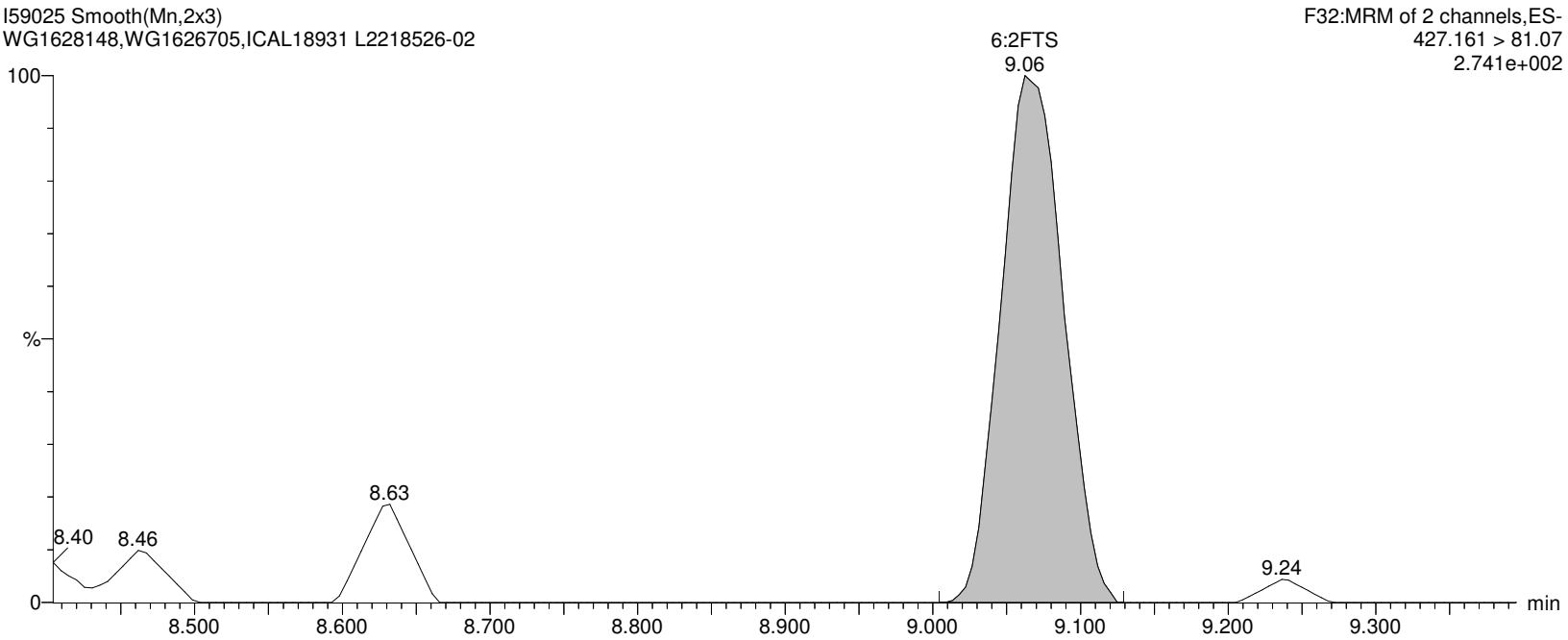
all concentration units in (ng/mL)

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6:2FTS



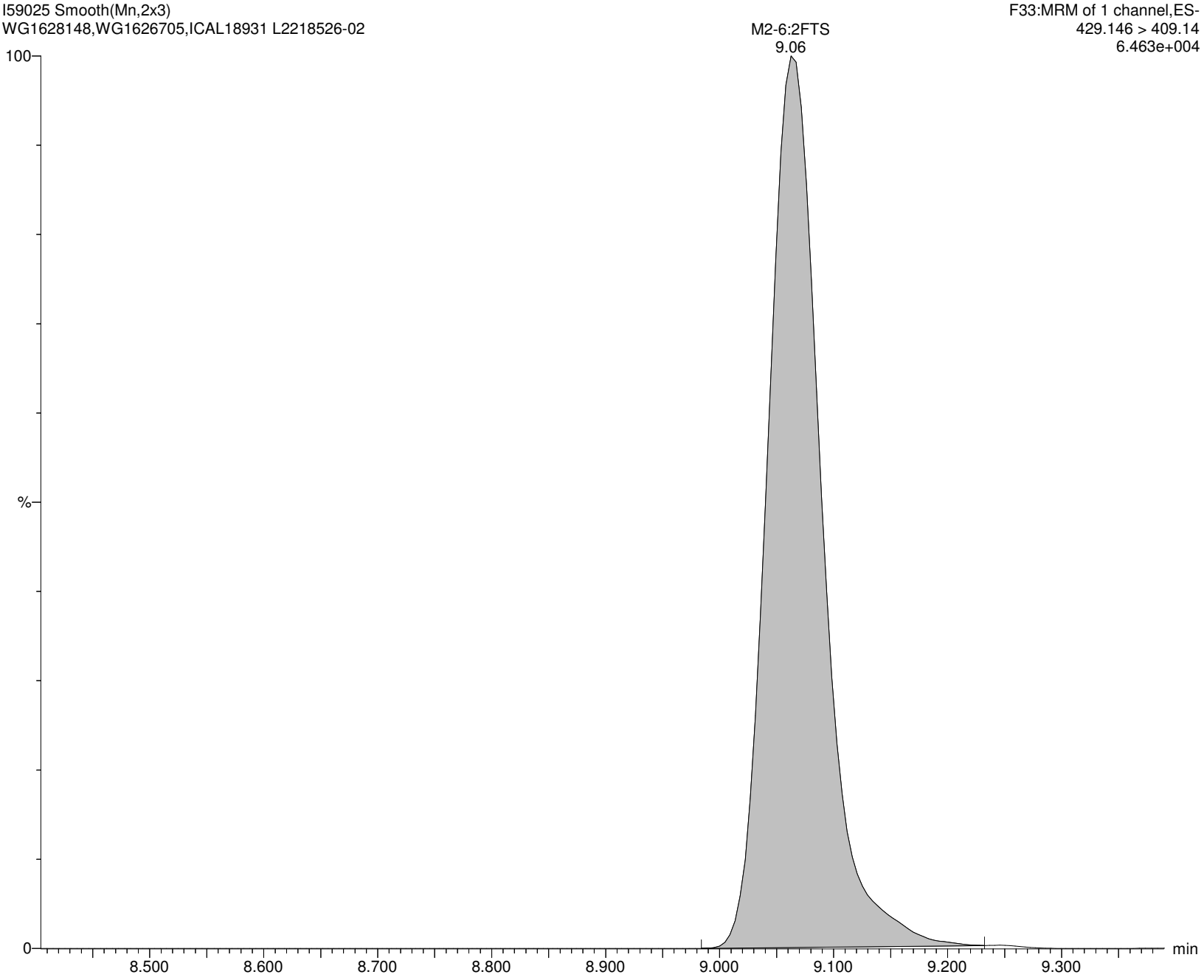


all concentration units in (ng/mL)

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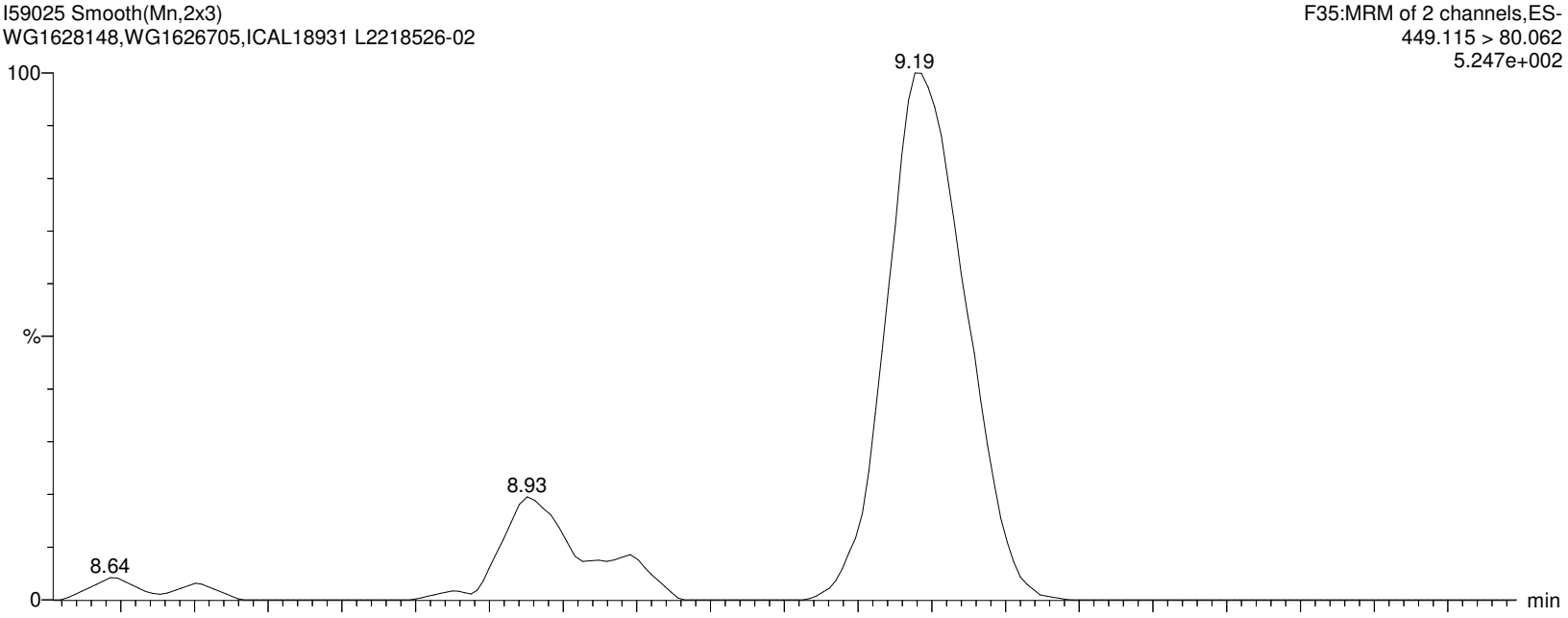


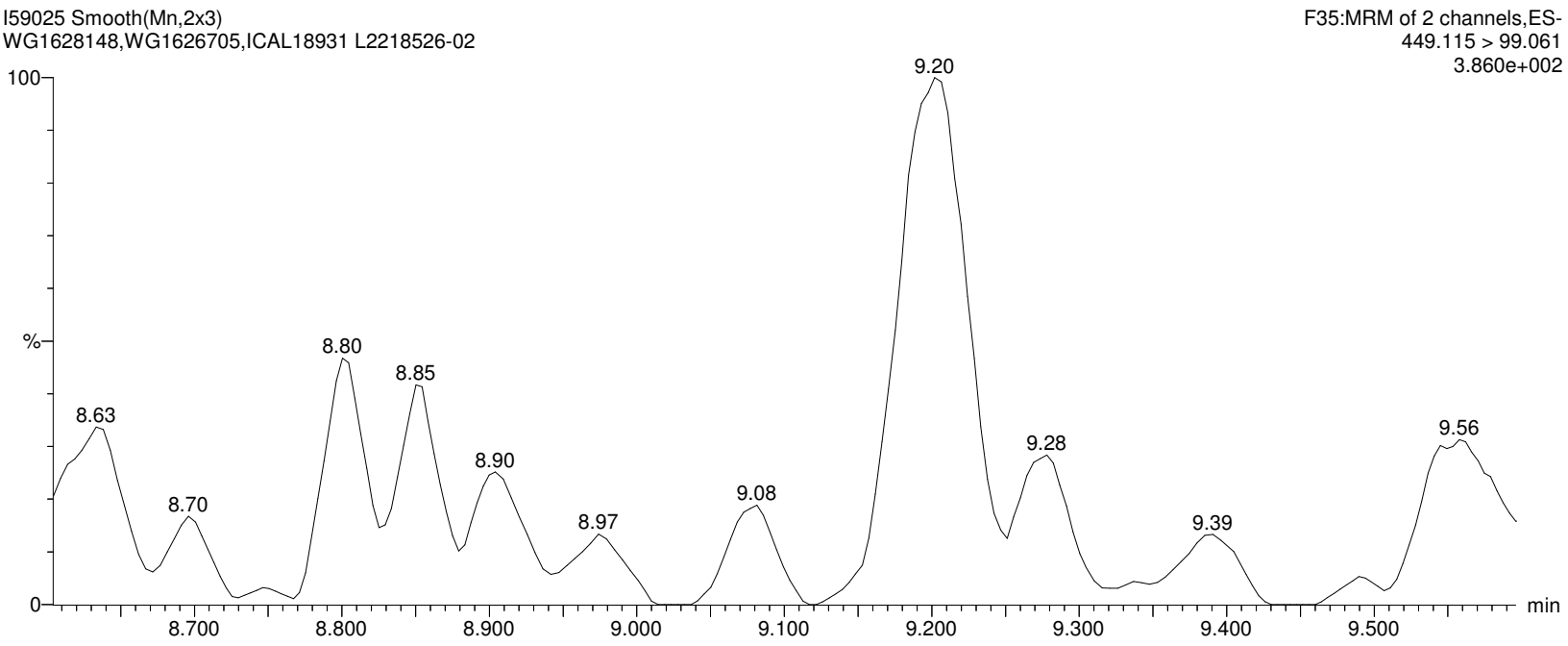
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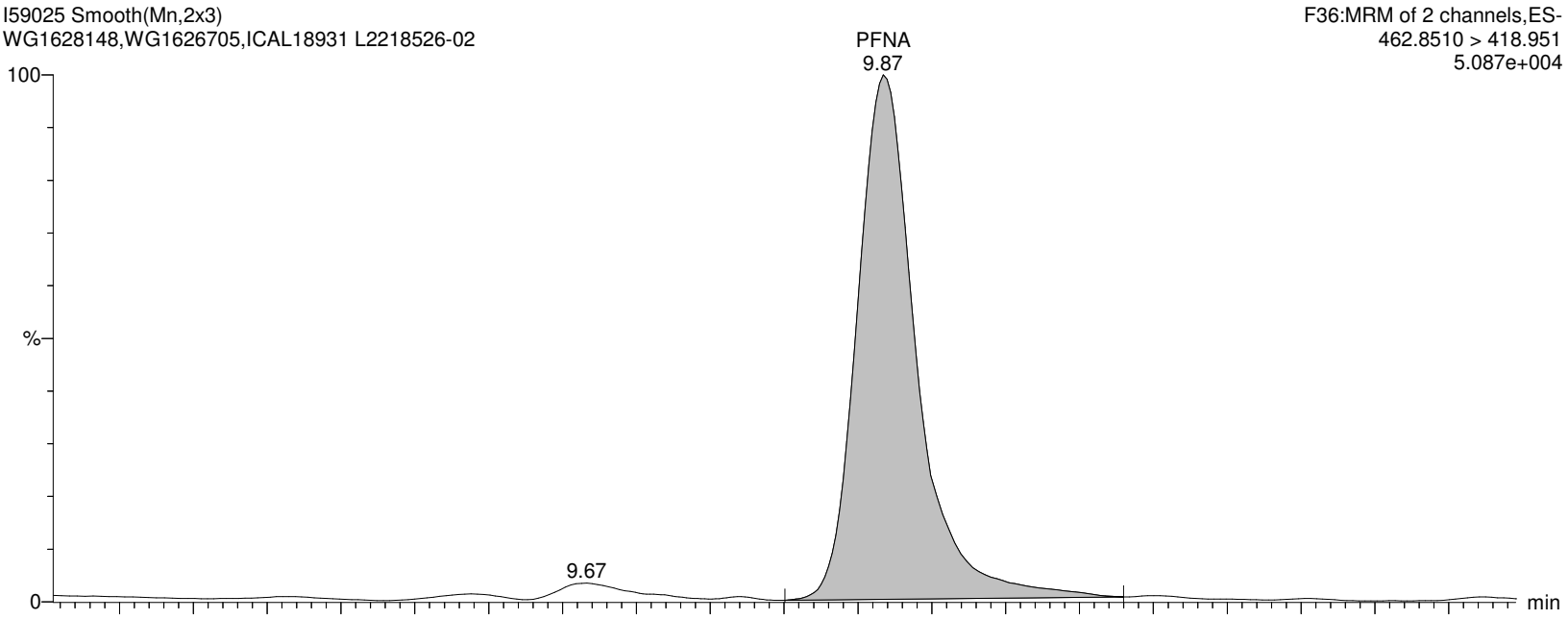


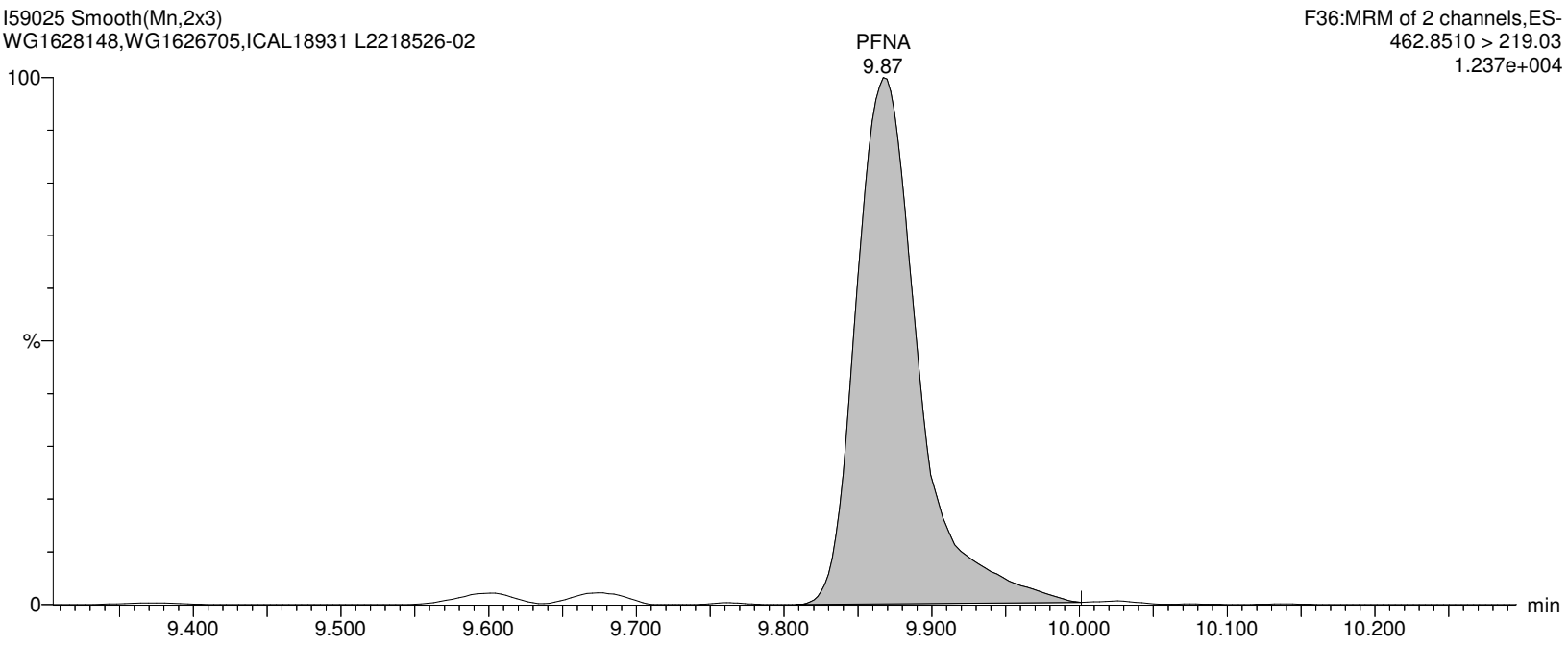
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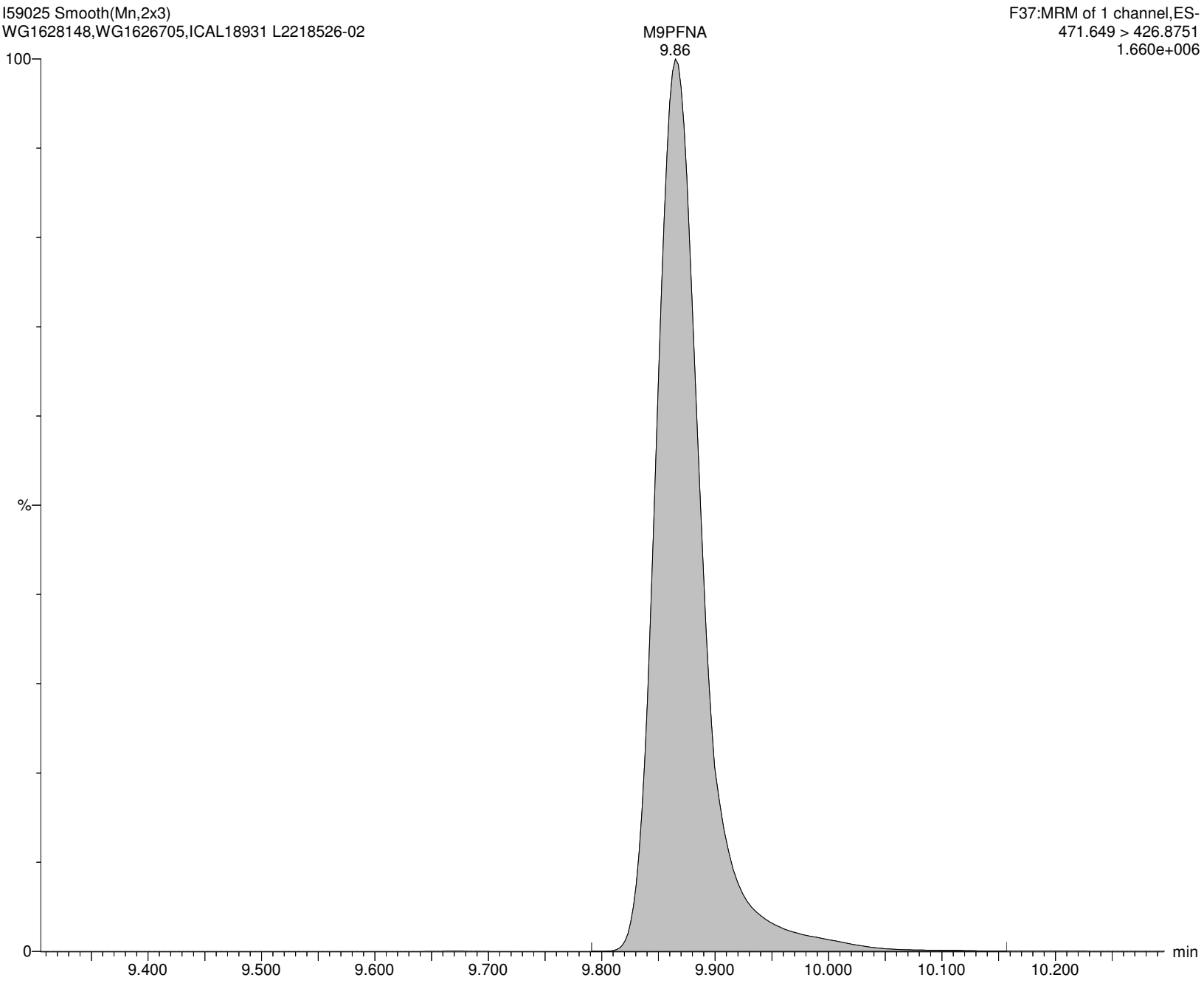


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:04 Eastern Daylight Time

Name: I59025
ID: L2218526-02
Date: 18-Apr-2022
Time: 00:11:40
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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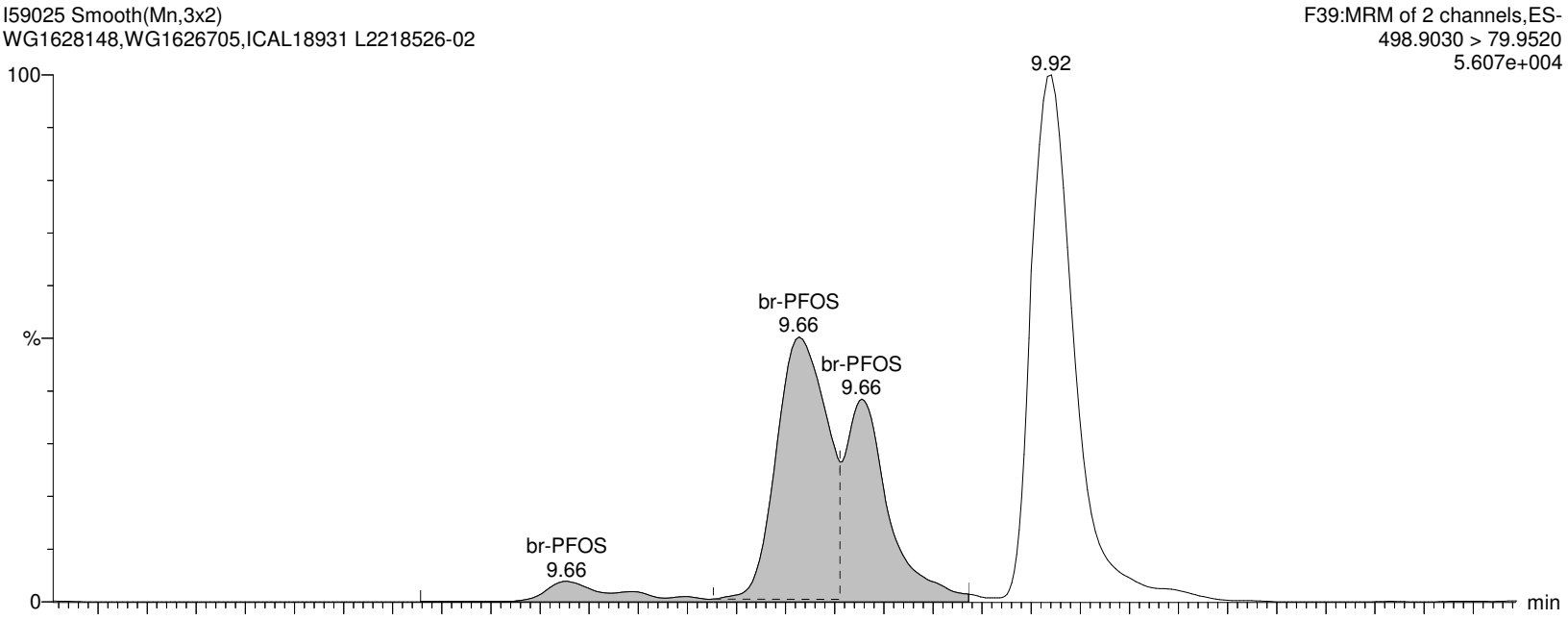


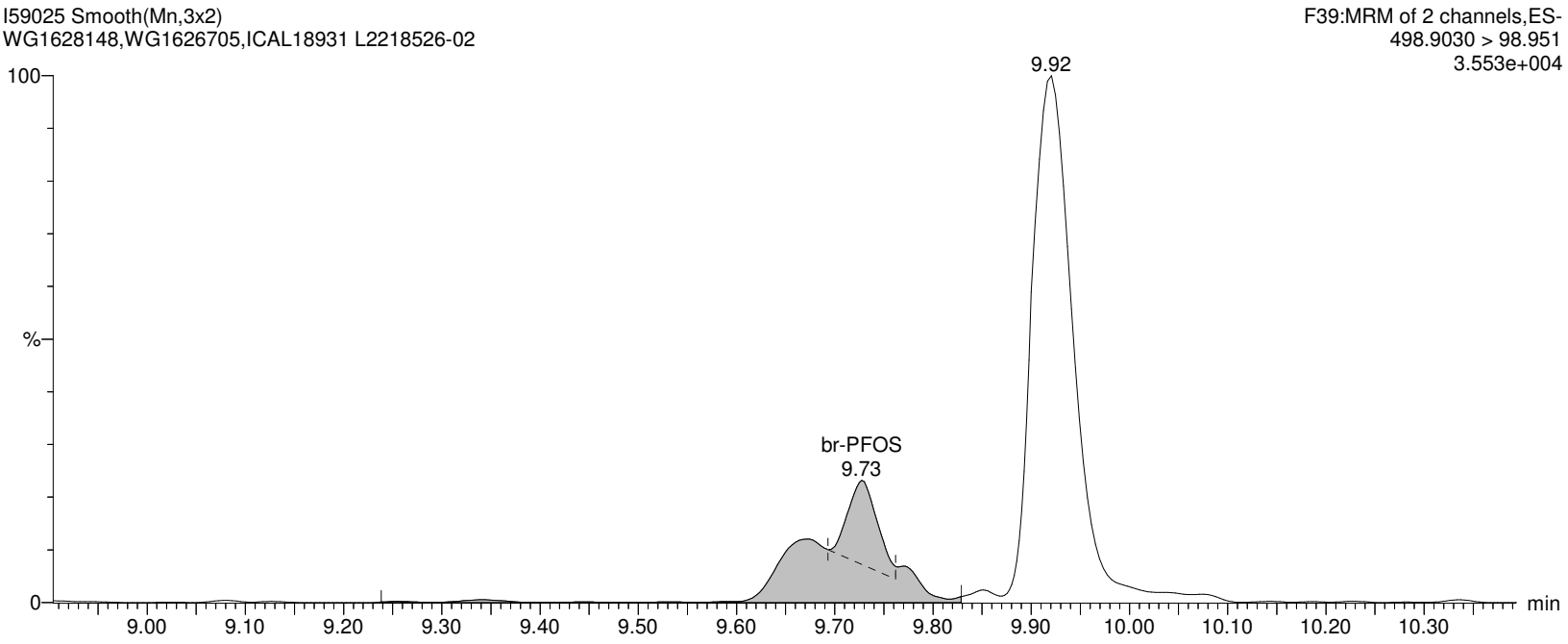
all concentration units in (ng/mL)

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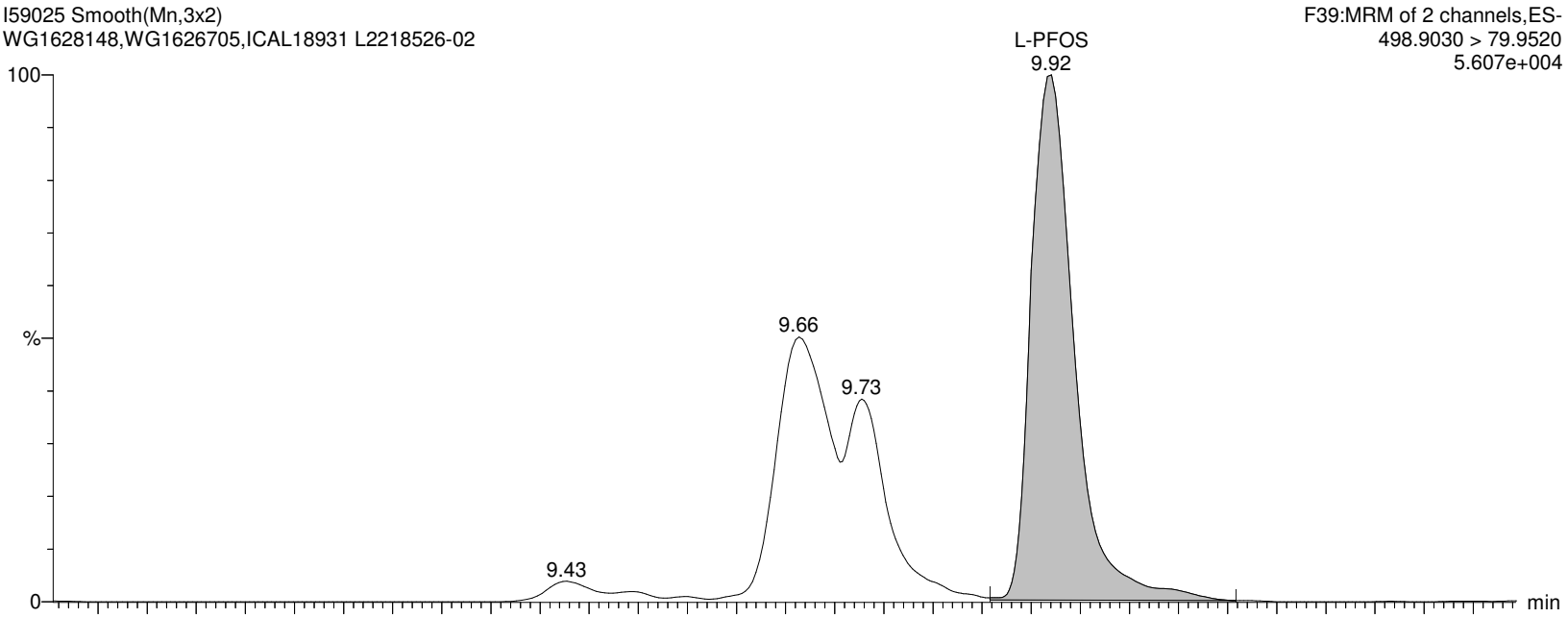


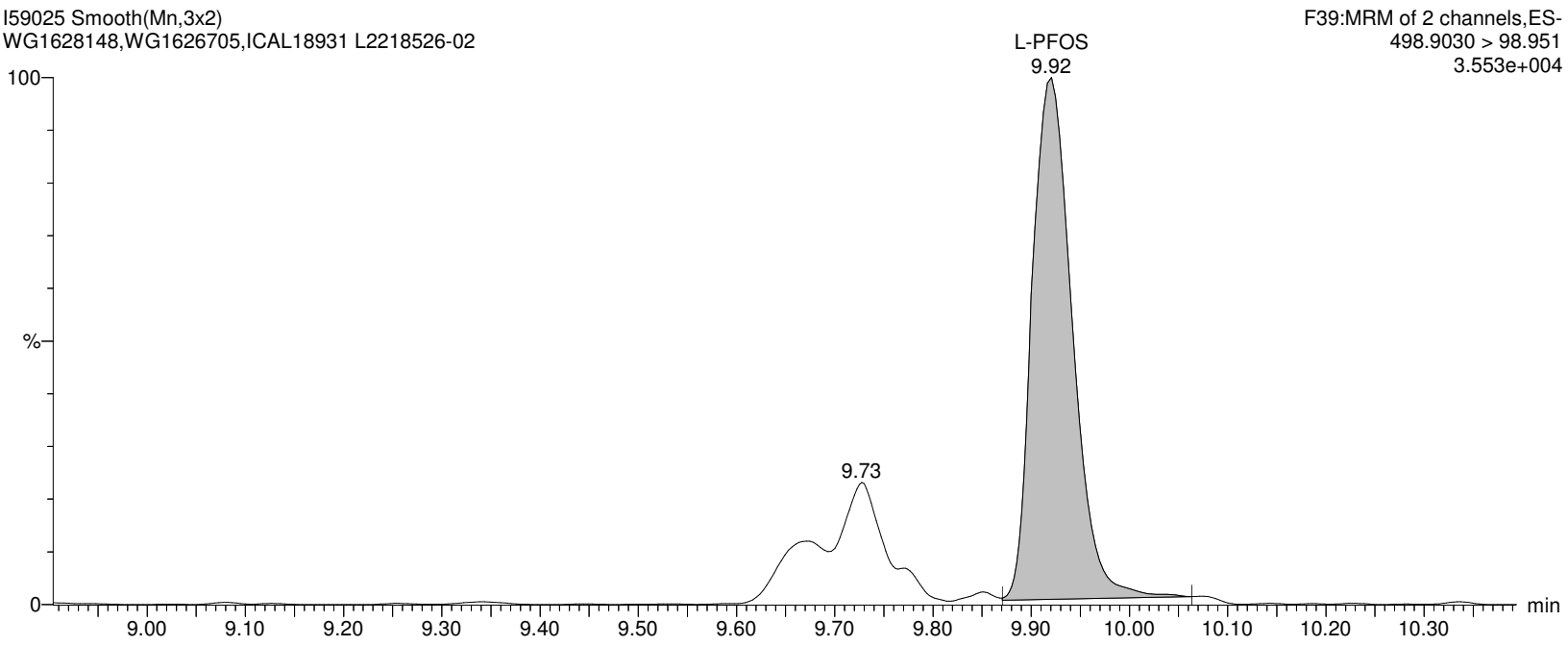
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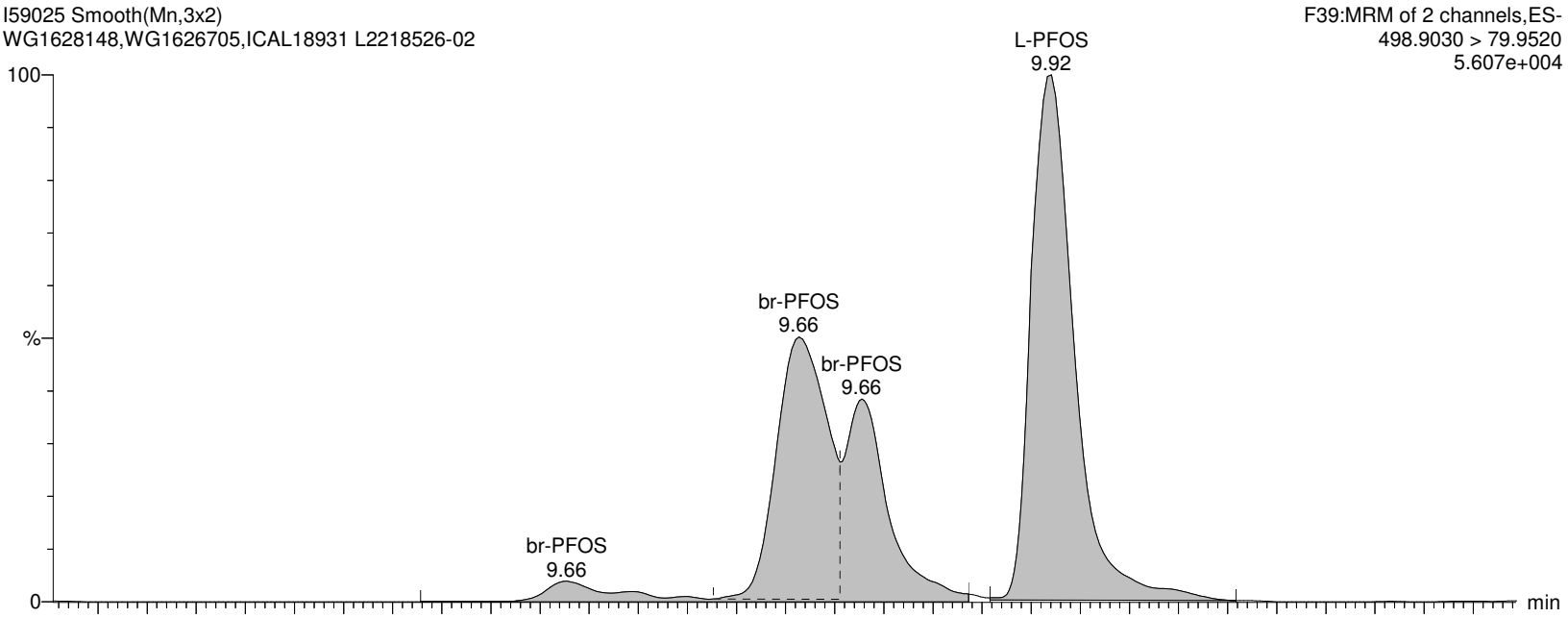


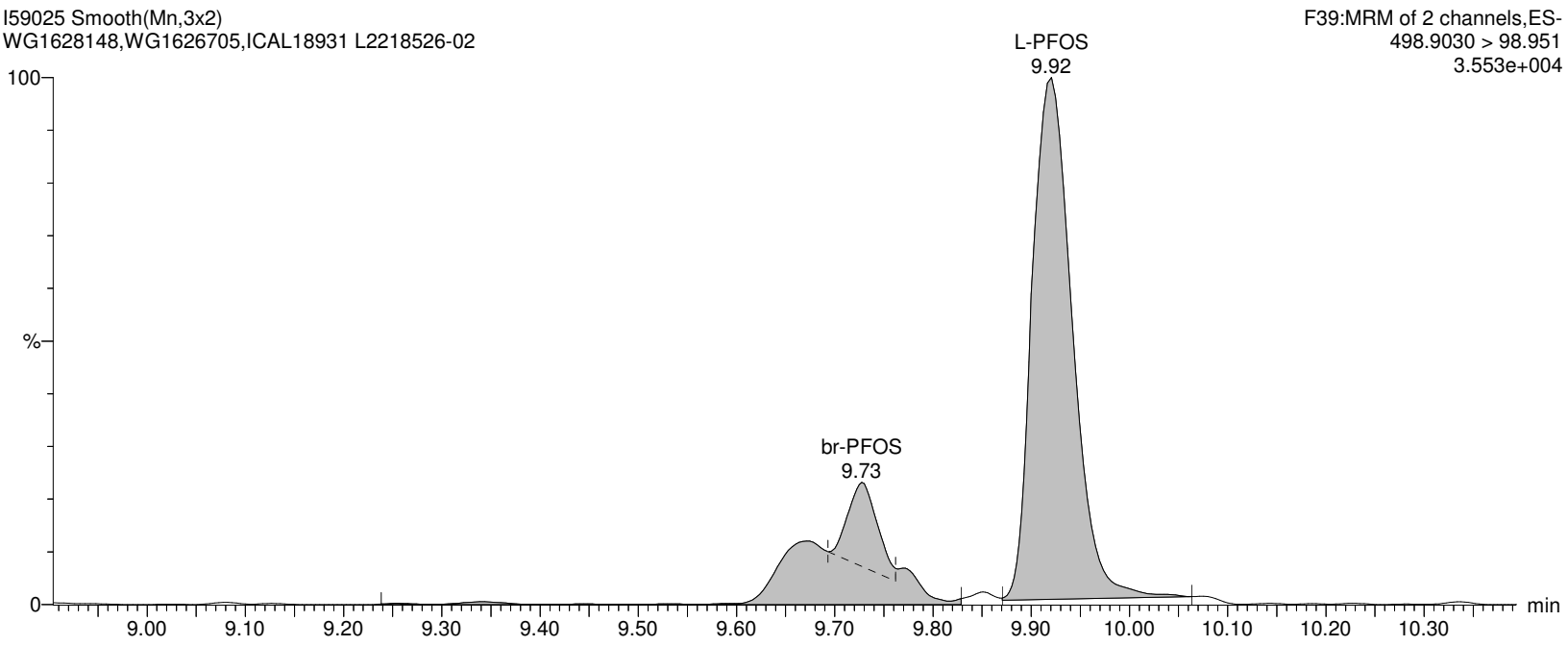
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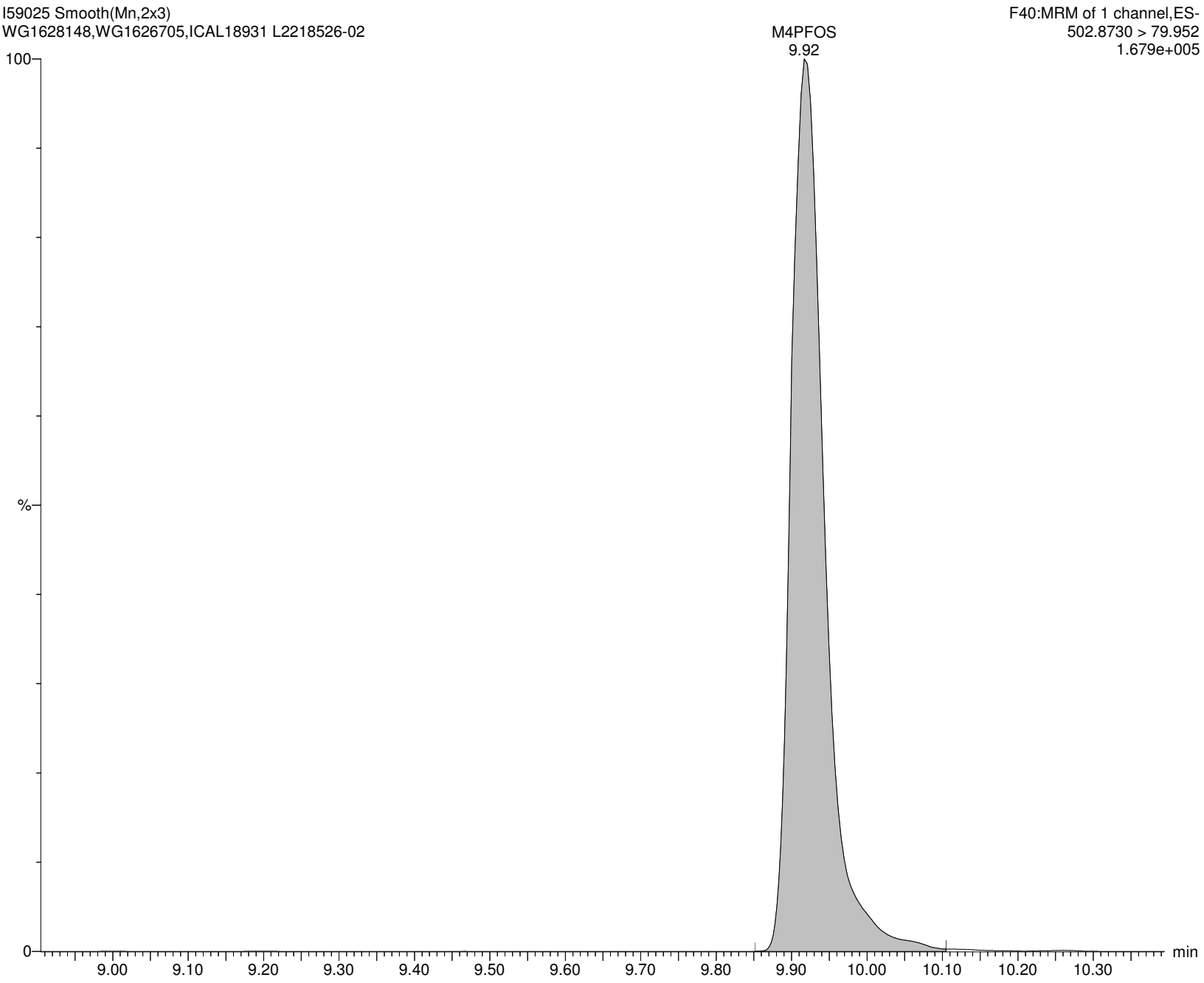


all concentration units in (ng/mL)

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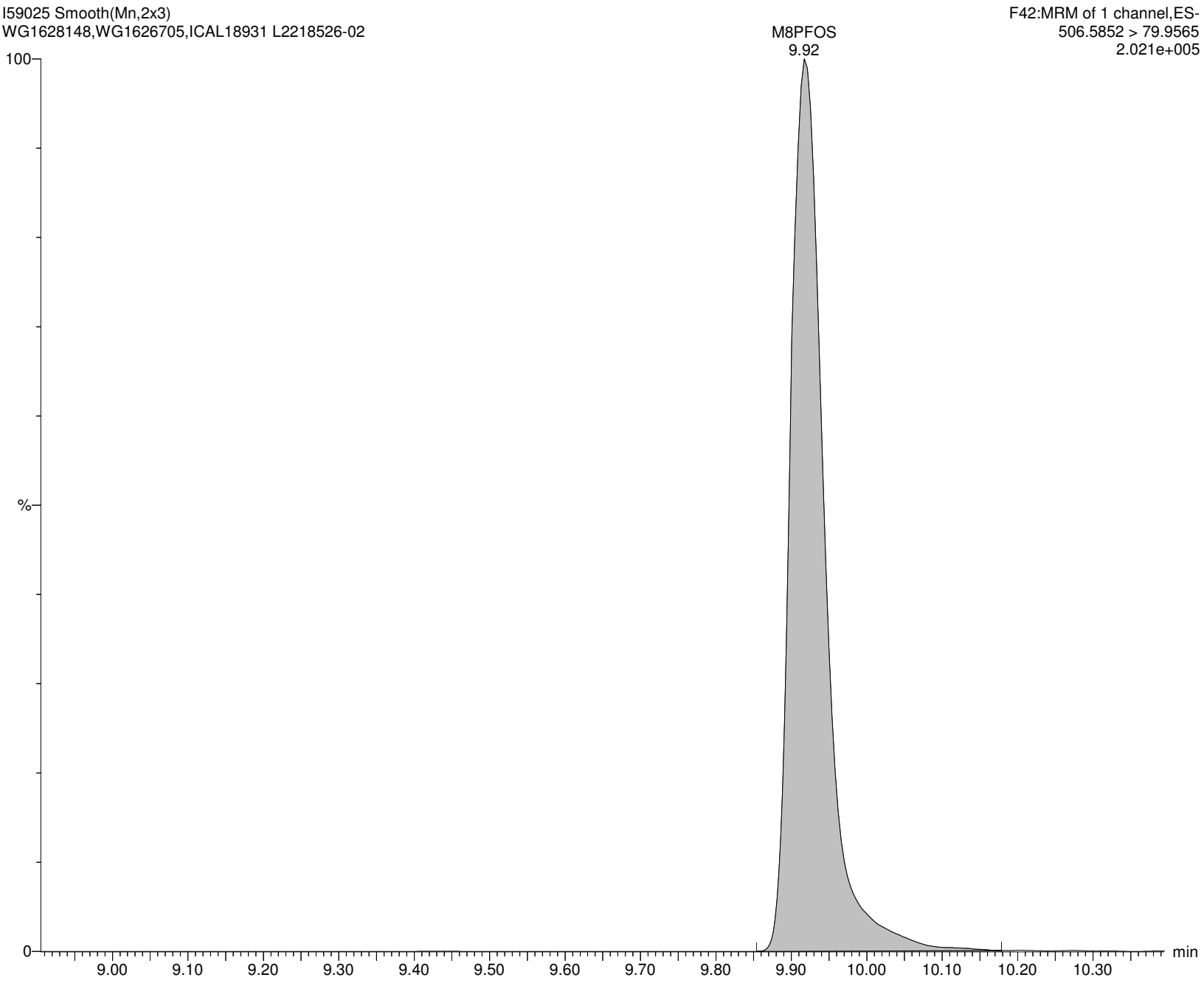


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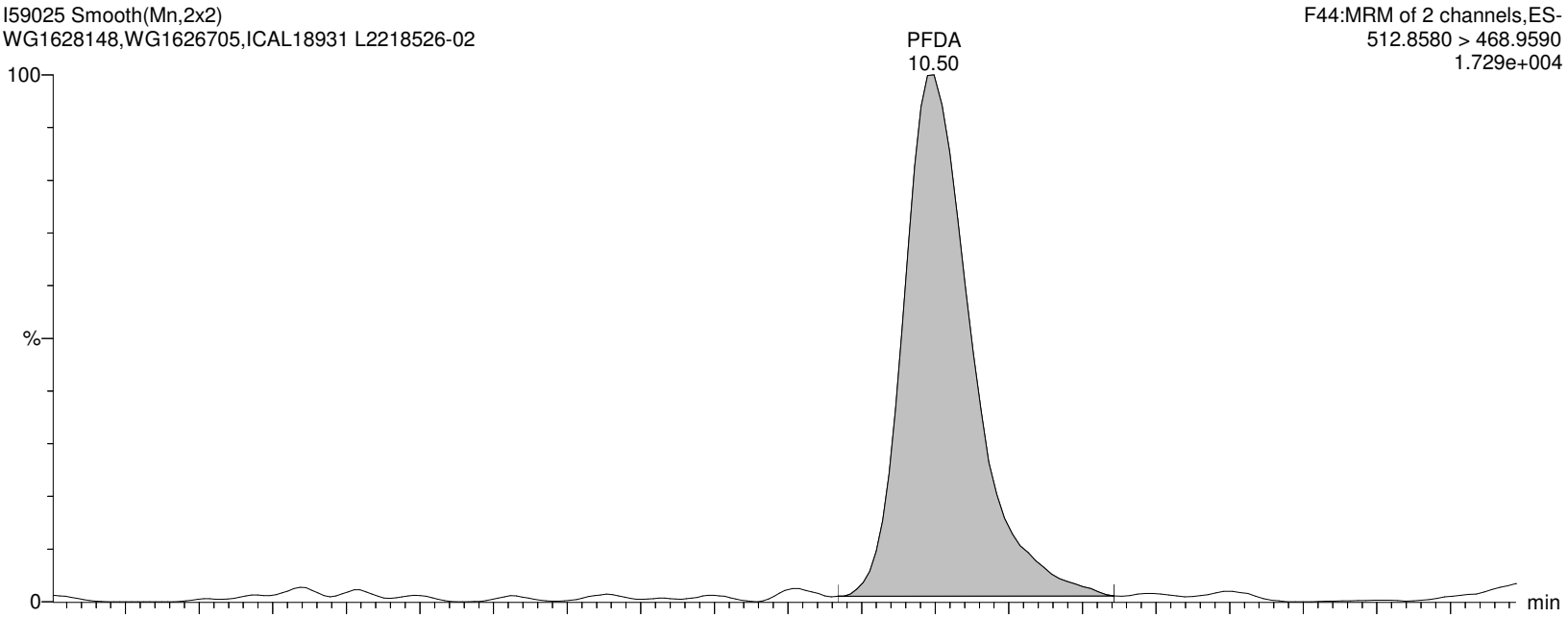


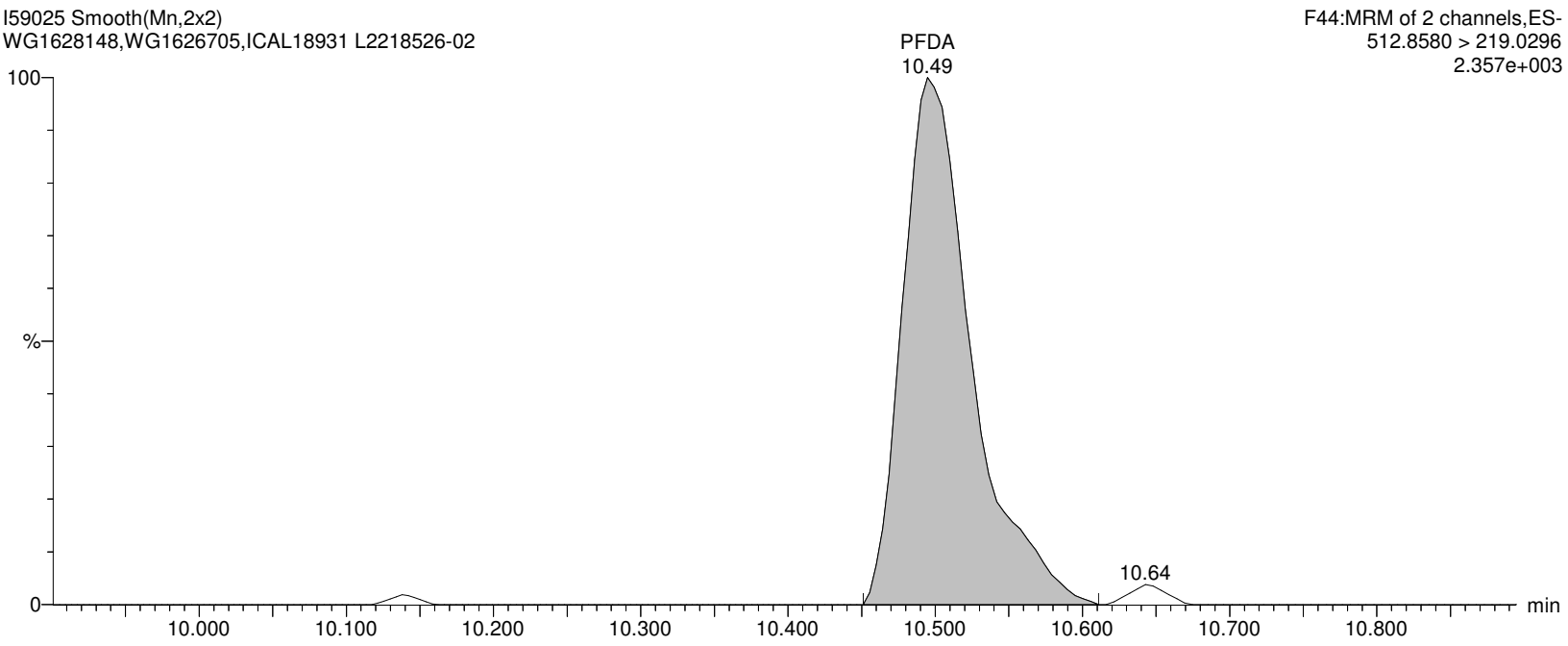
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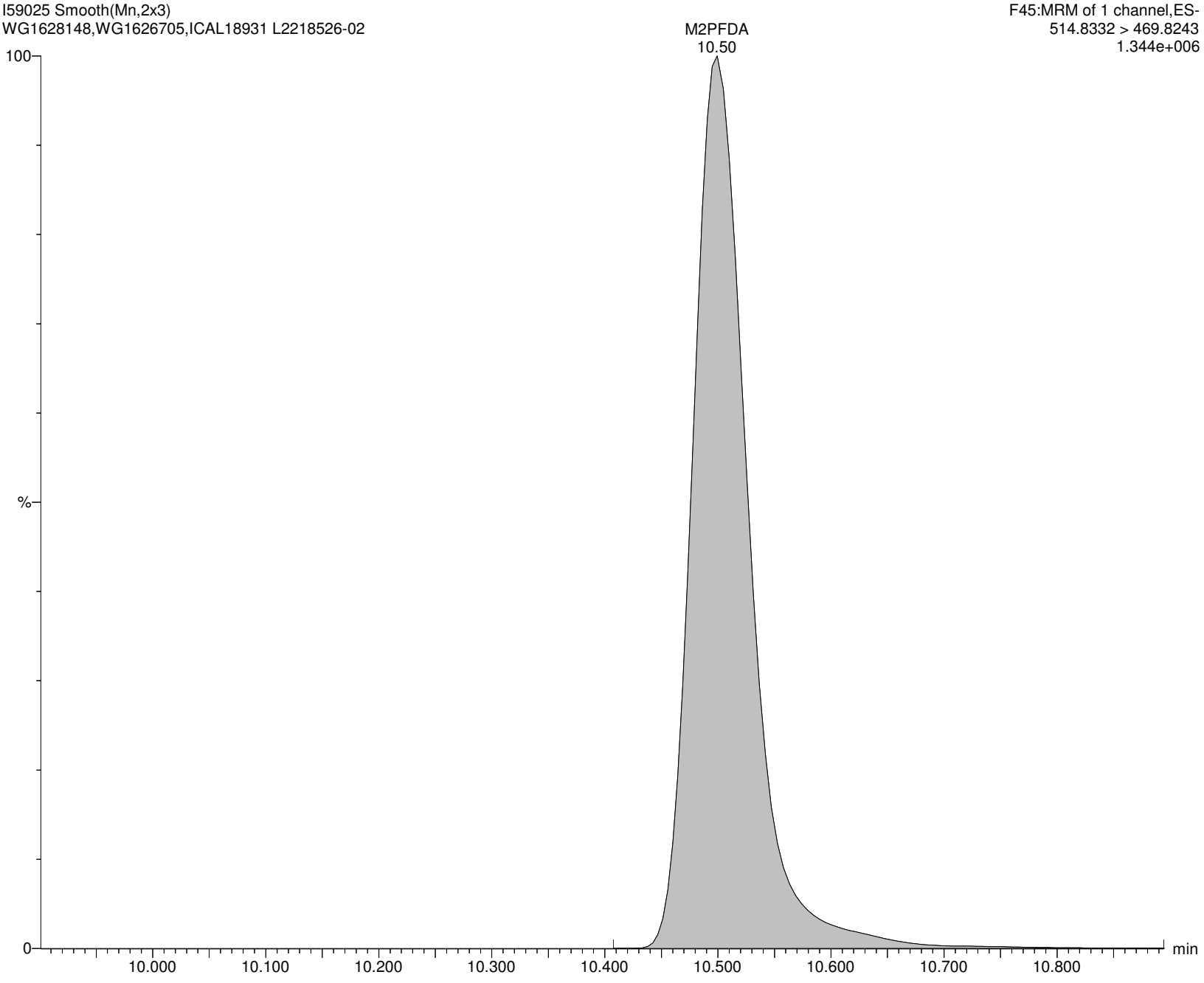


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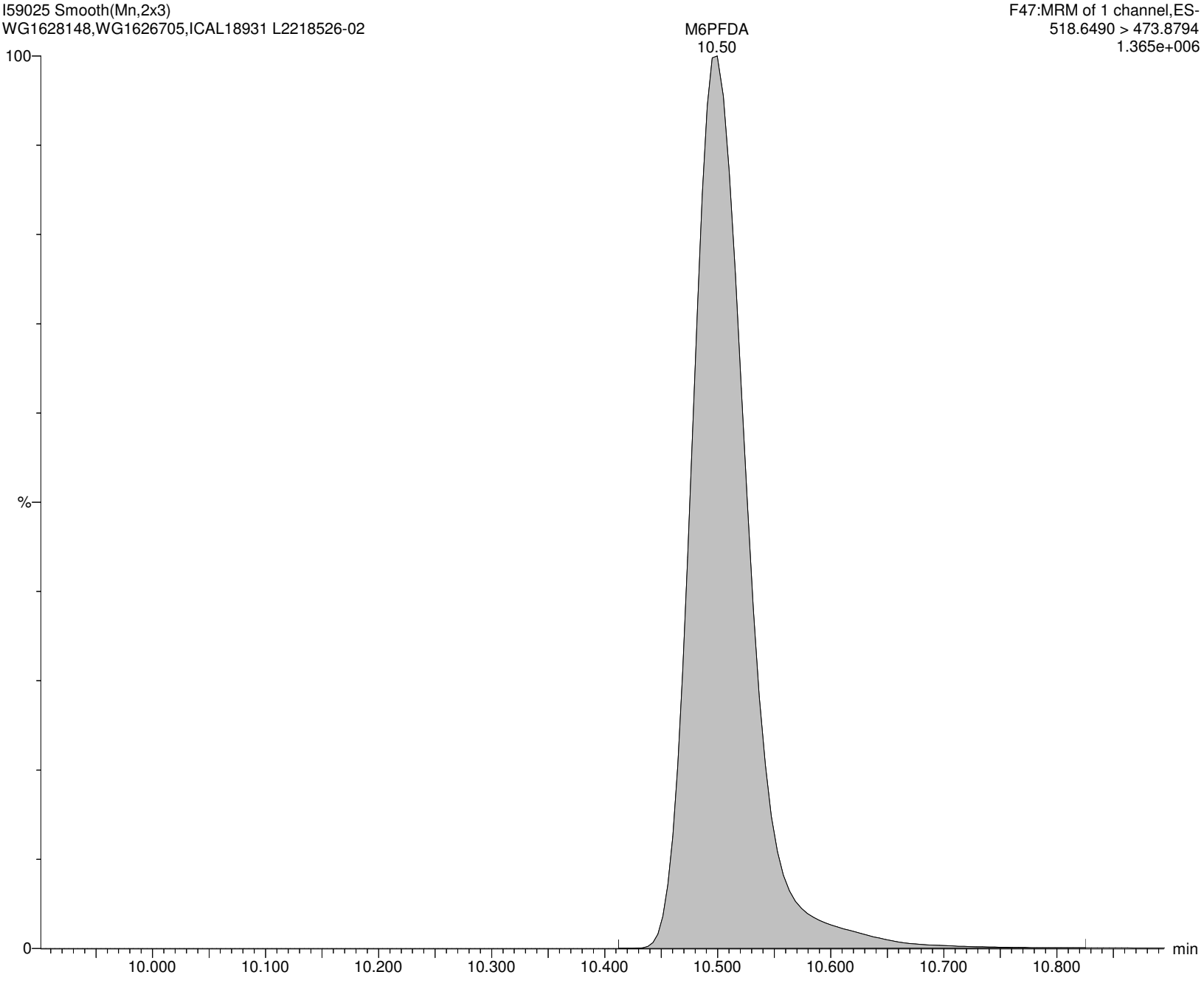


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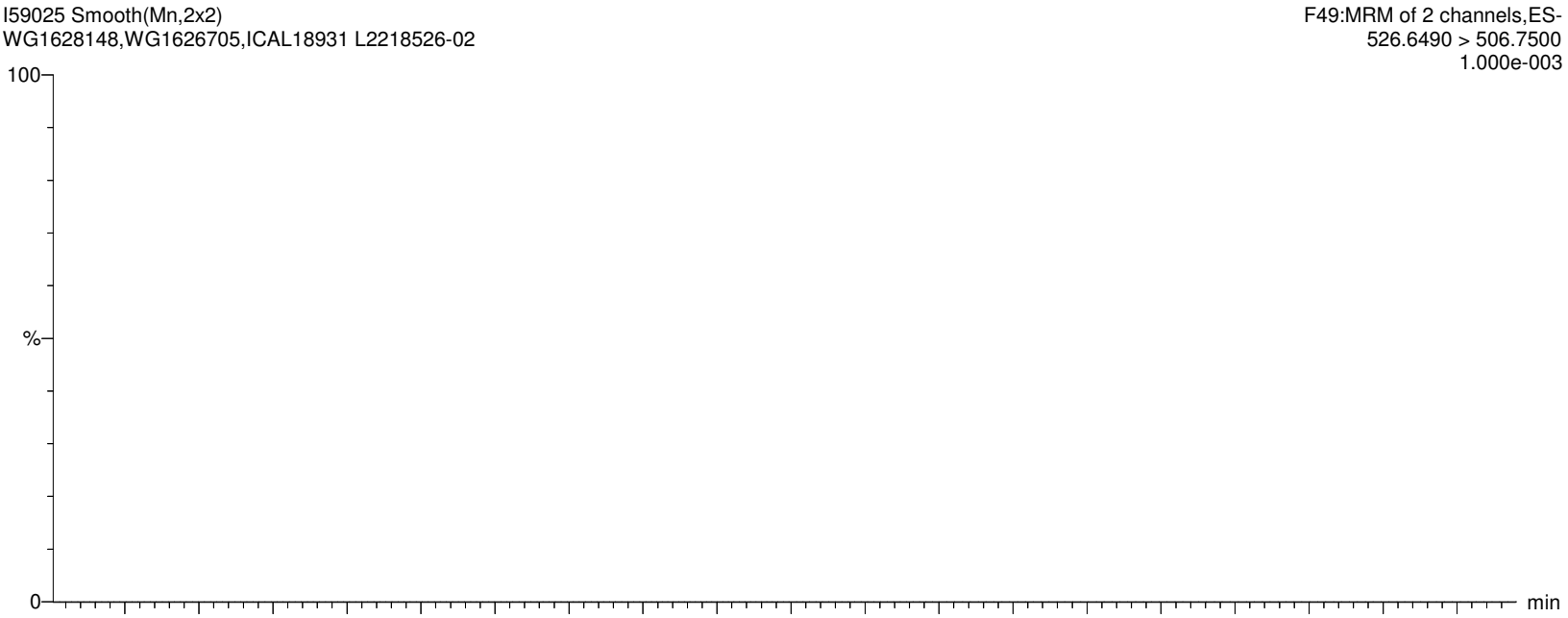


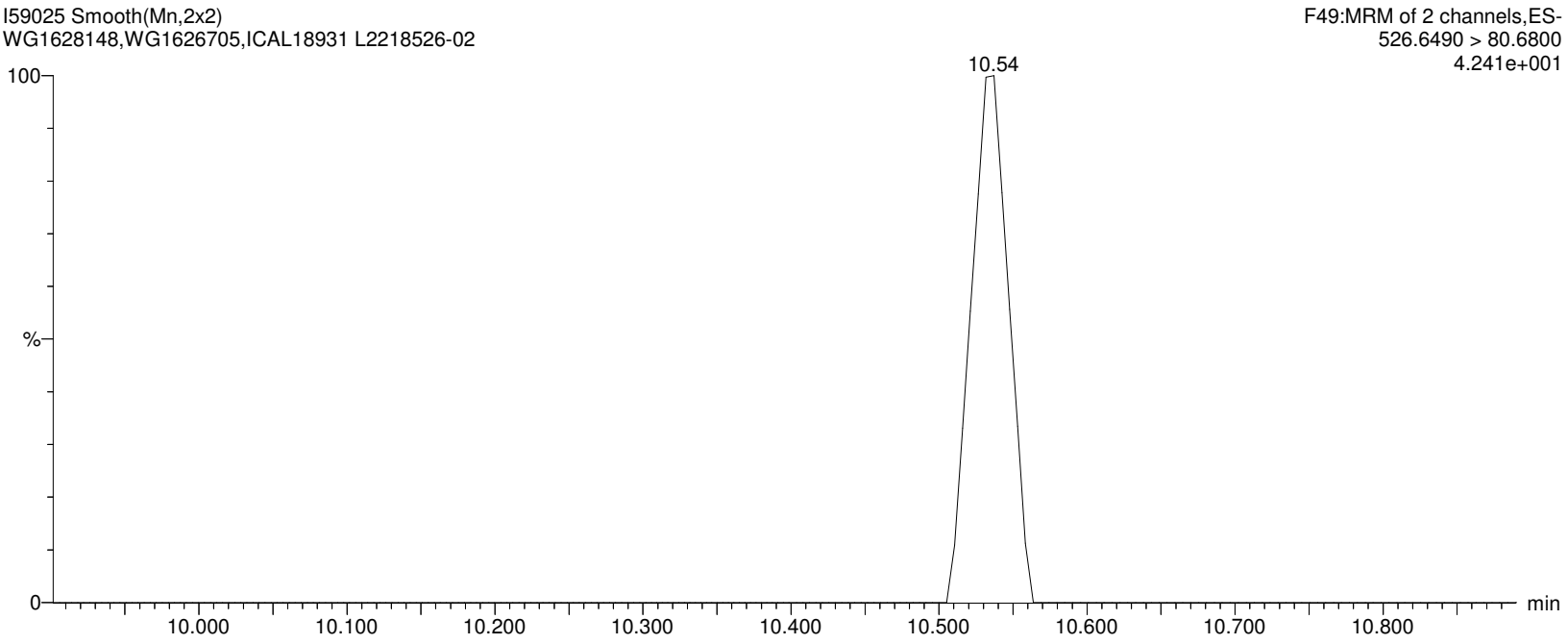
all concentration units in (ng/mL)

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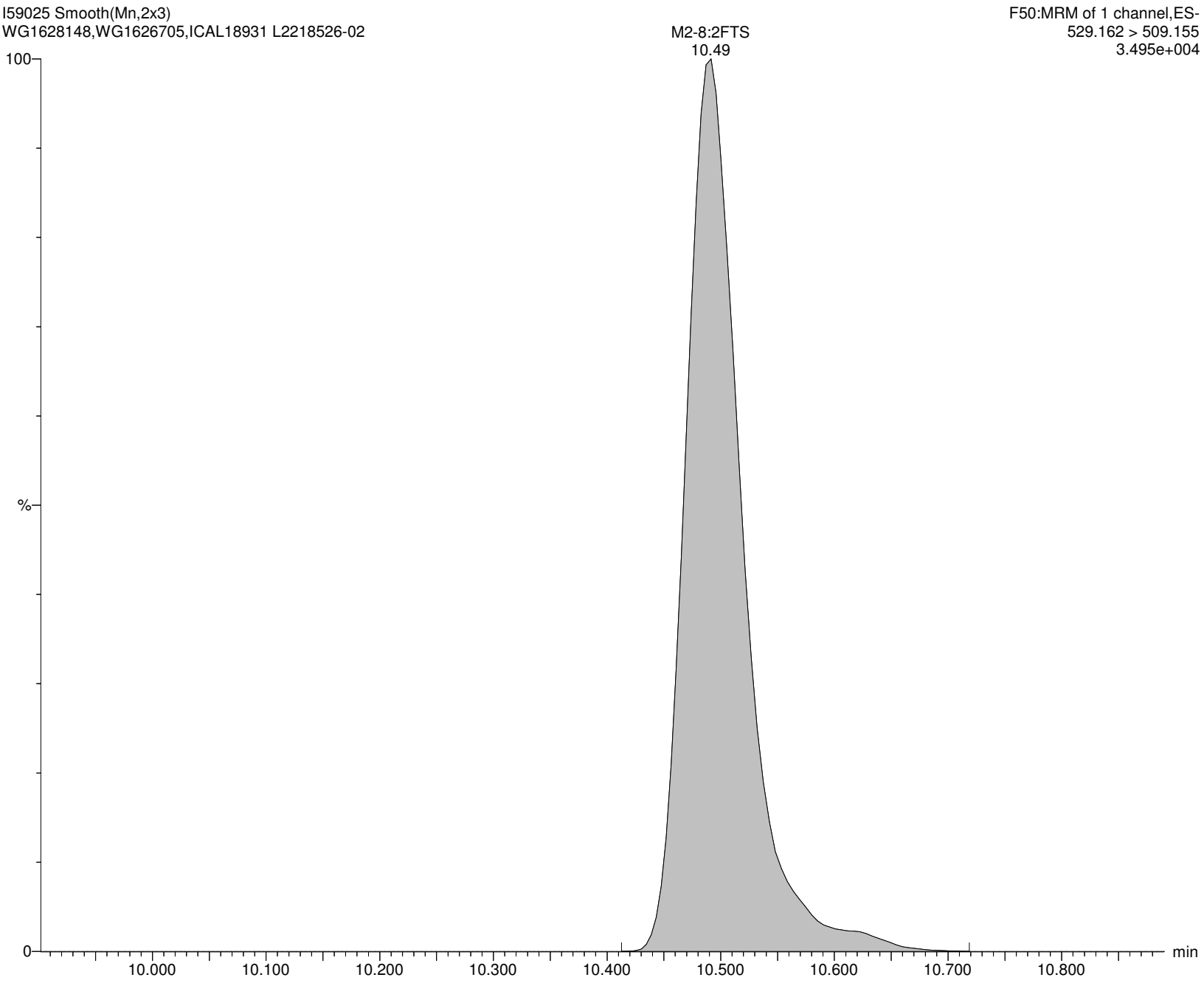


all concentration units in (ng/mL)

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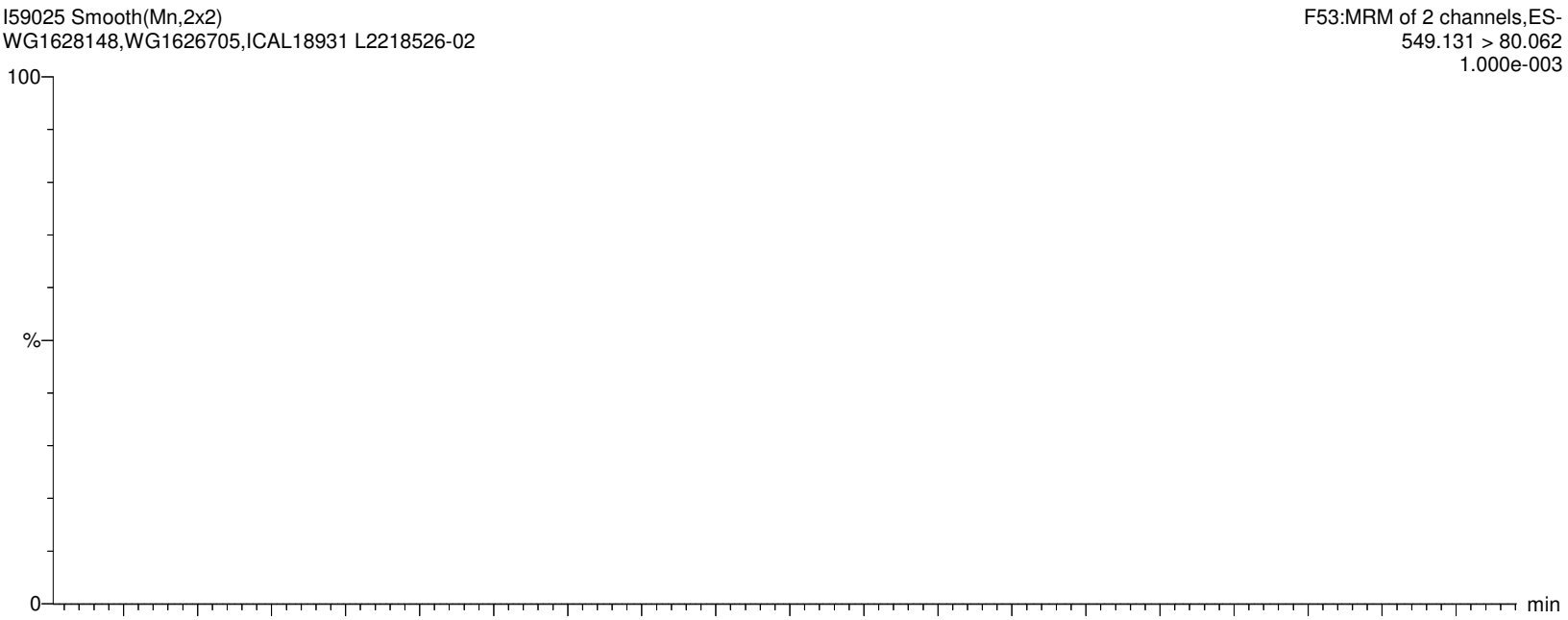


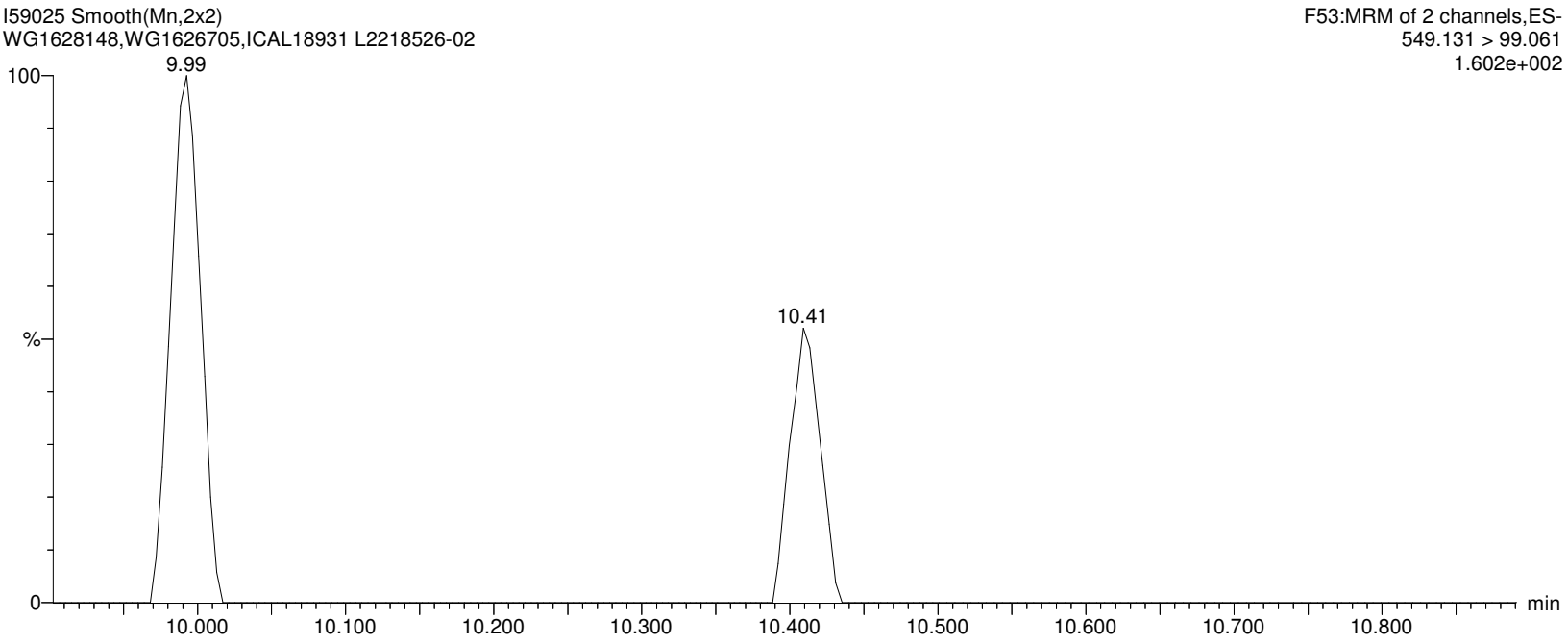
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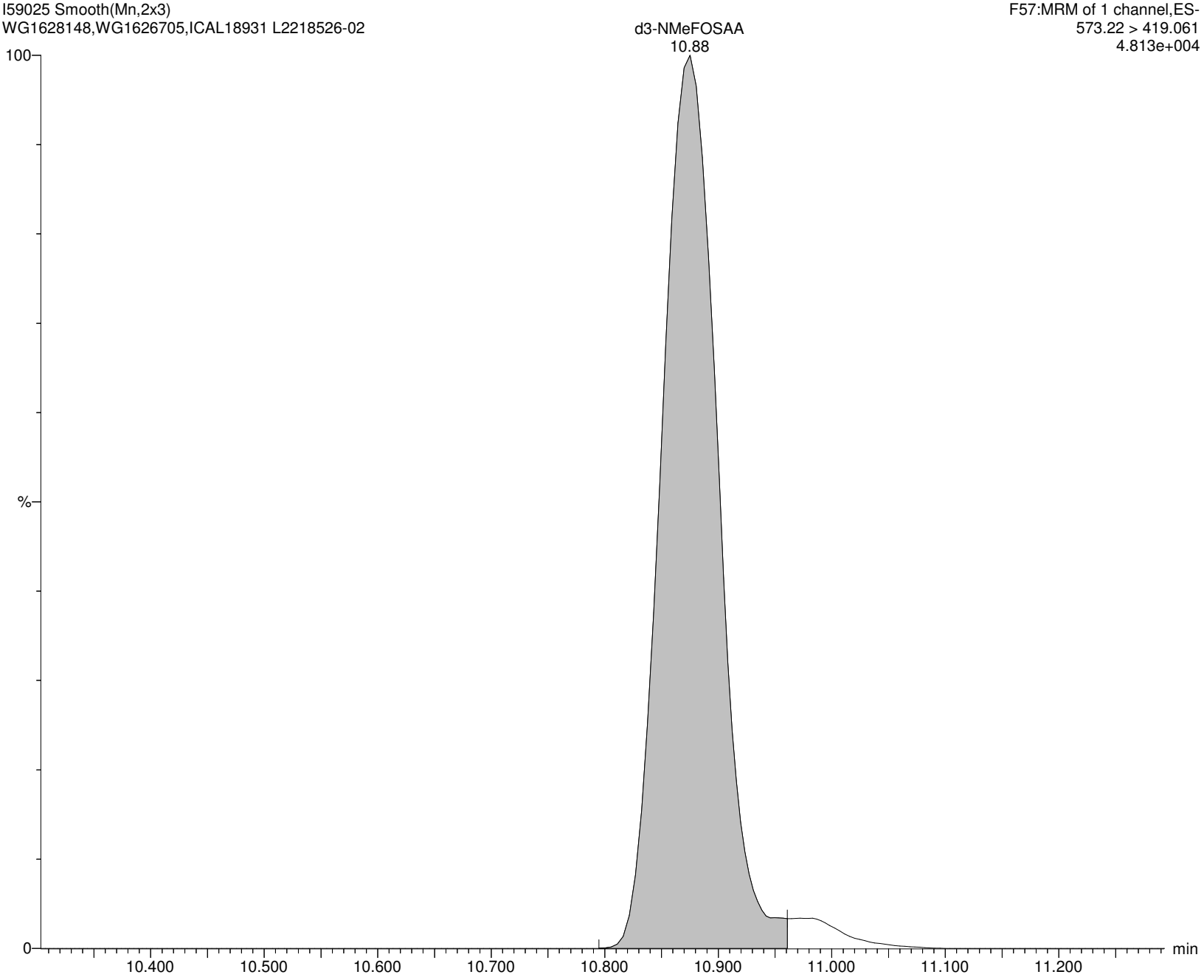


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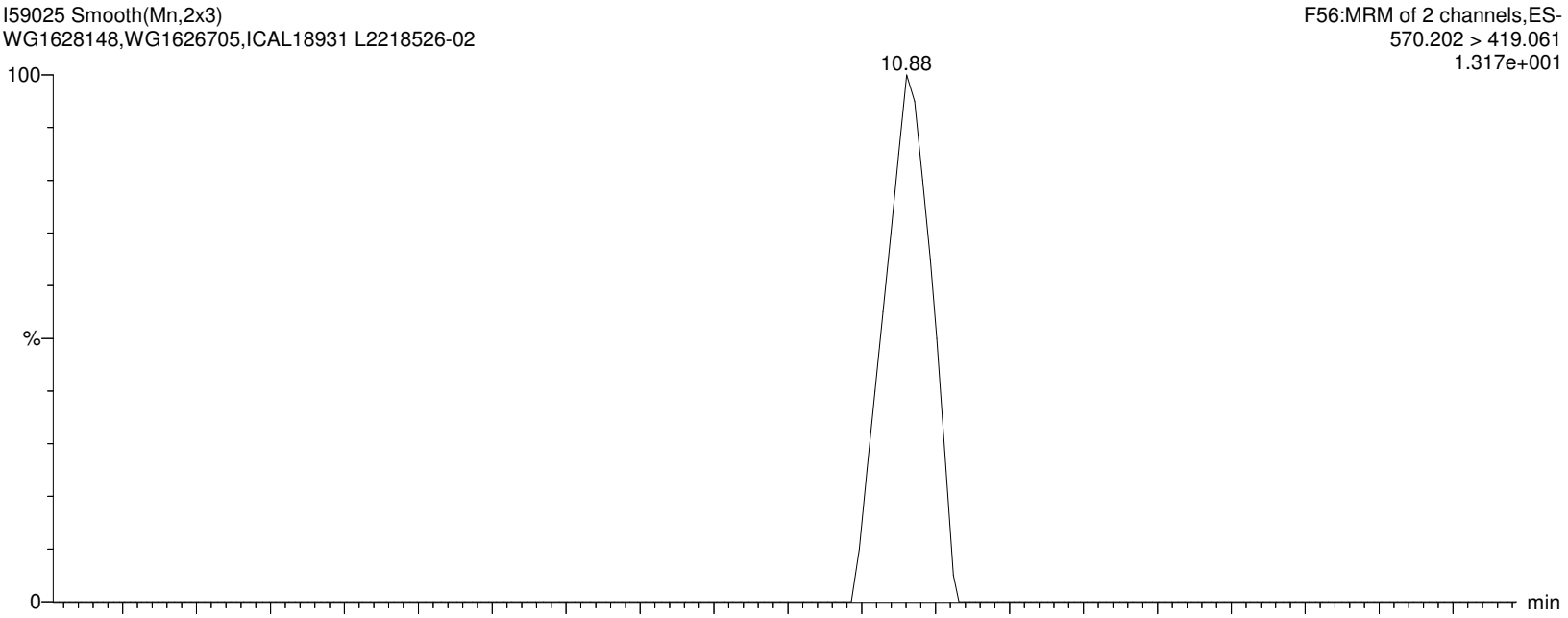


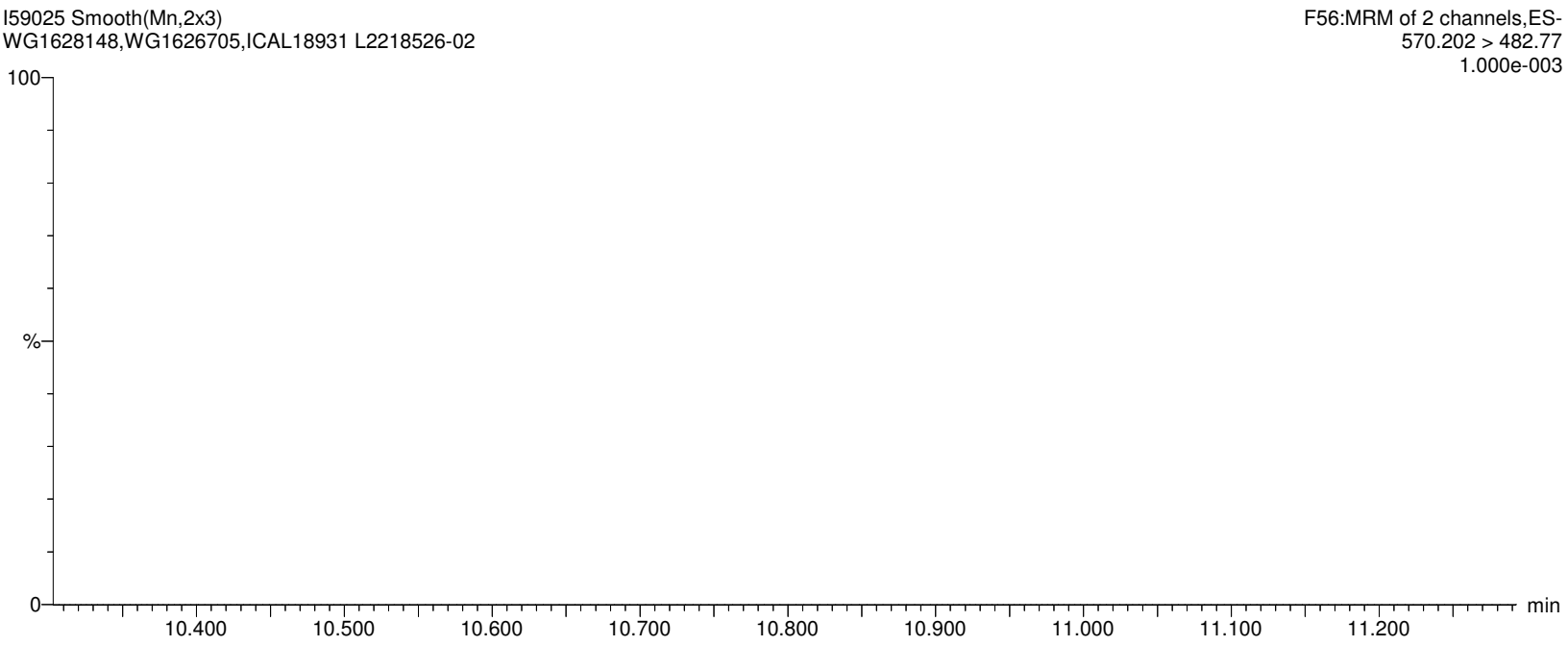
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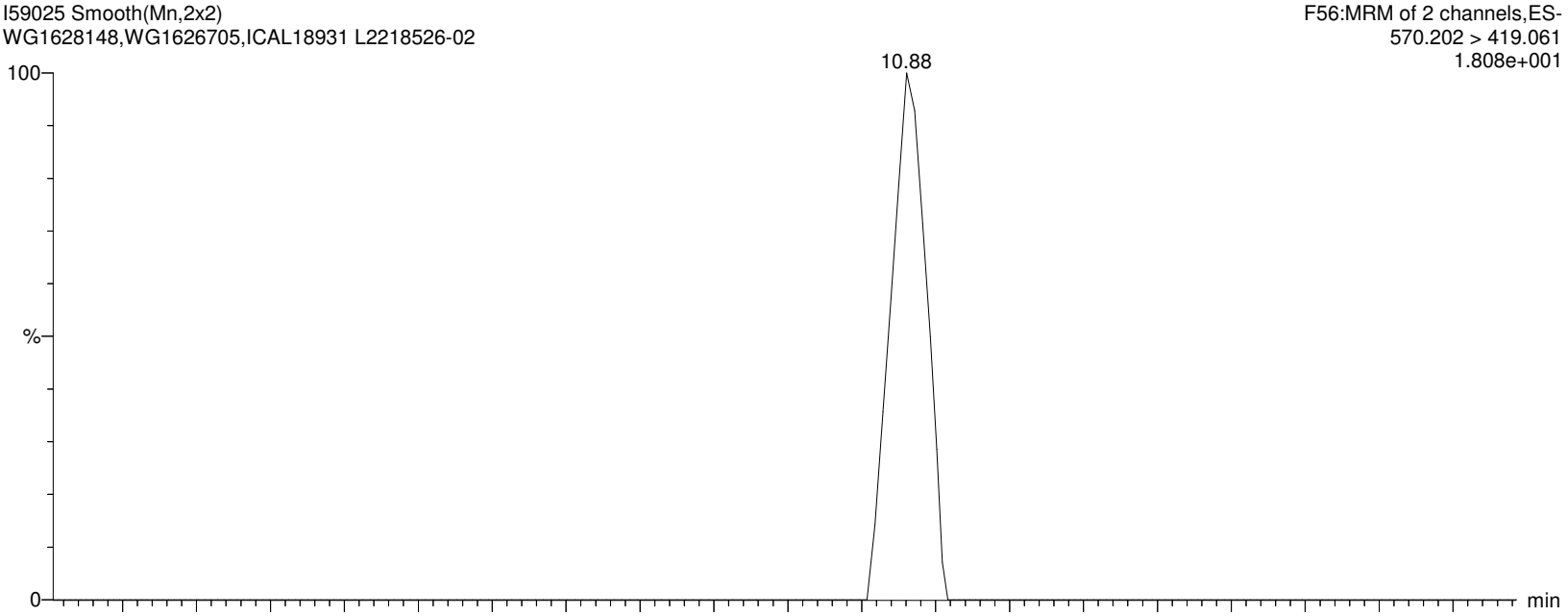


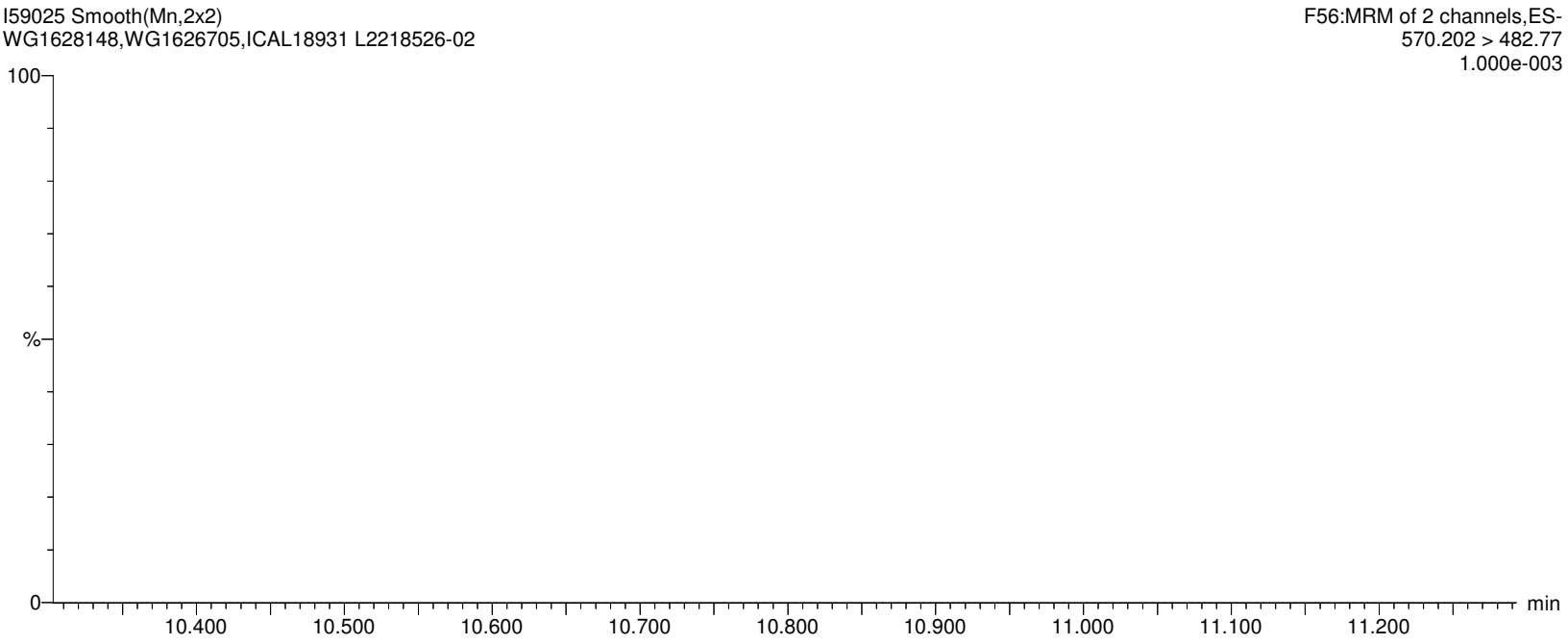
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L-NMeFOSAA



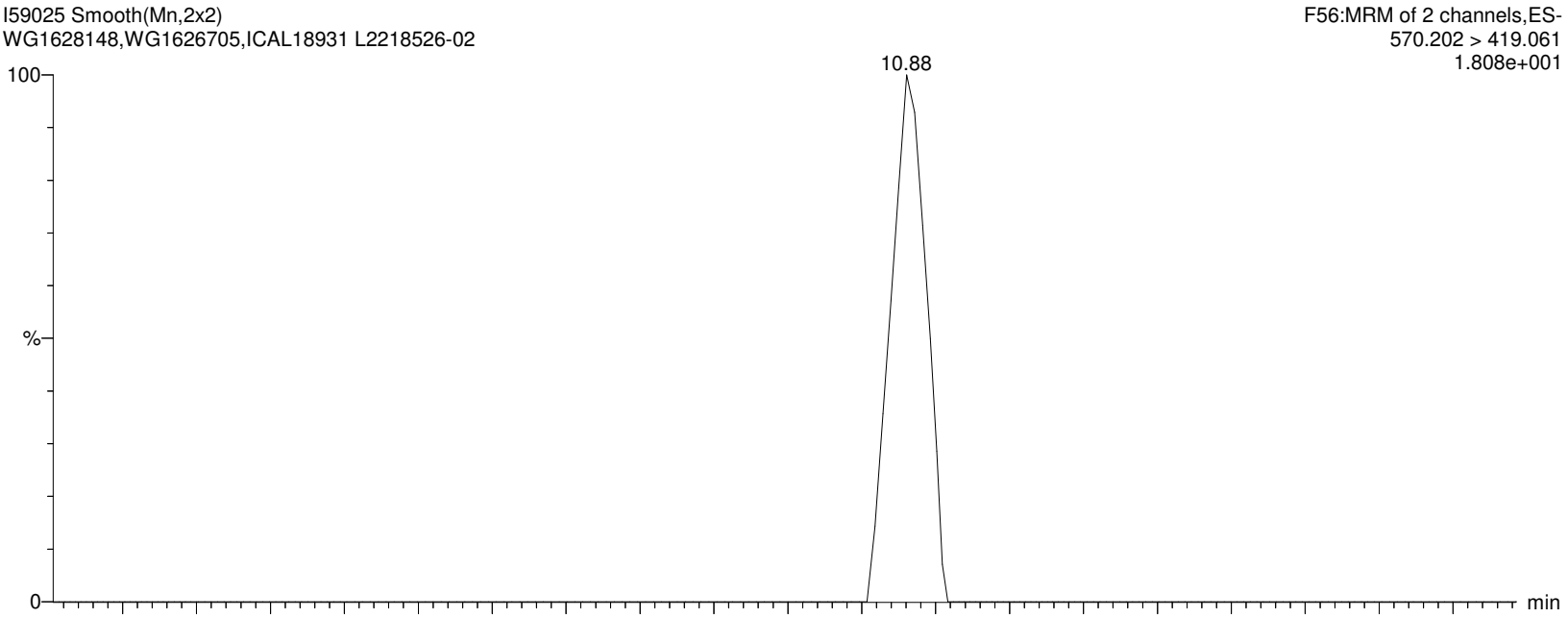


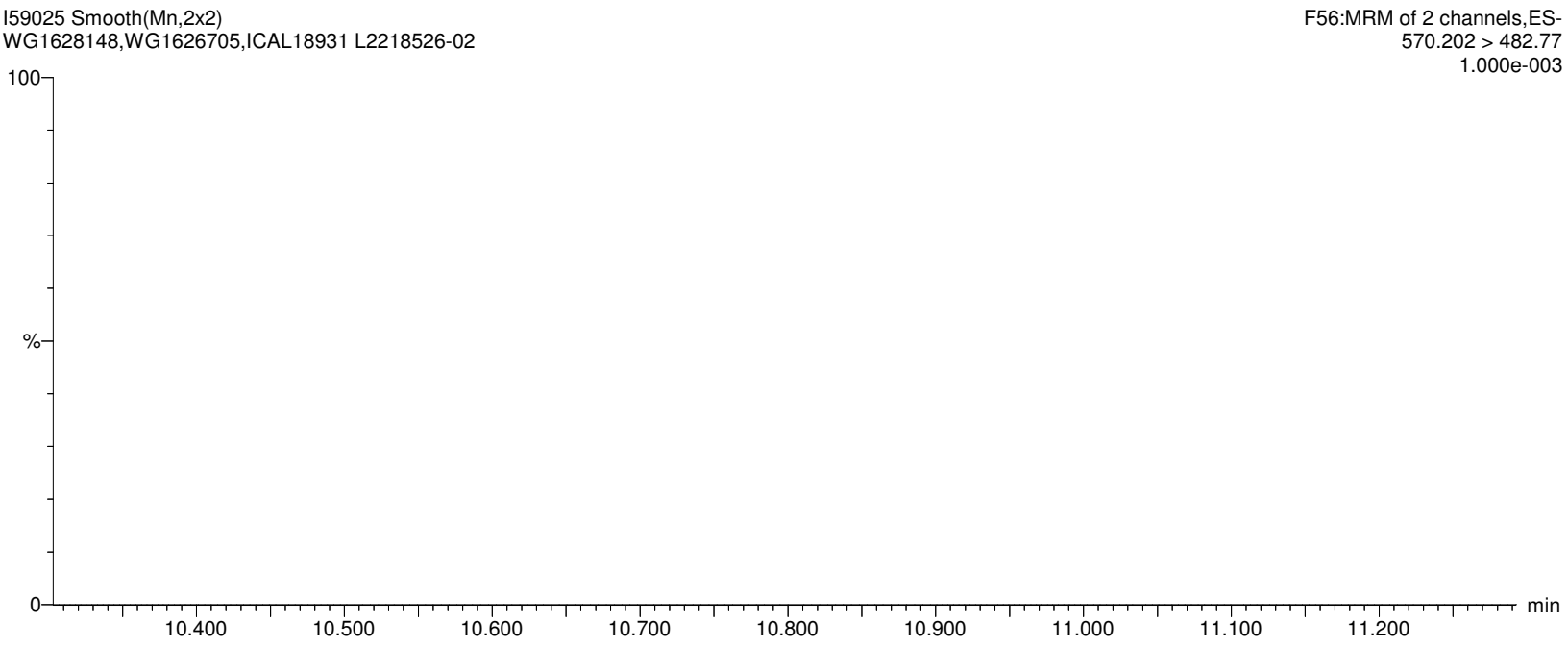
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NMeFOSAA



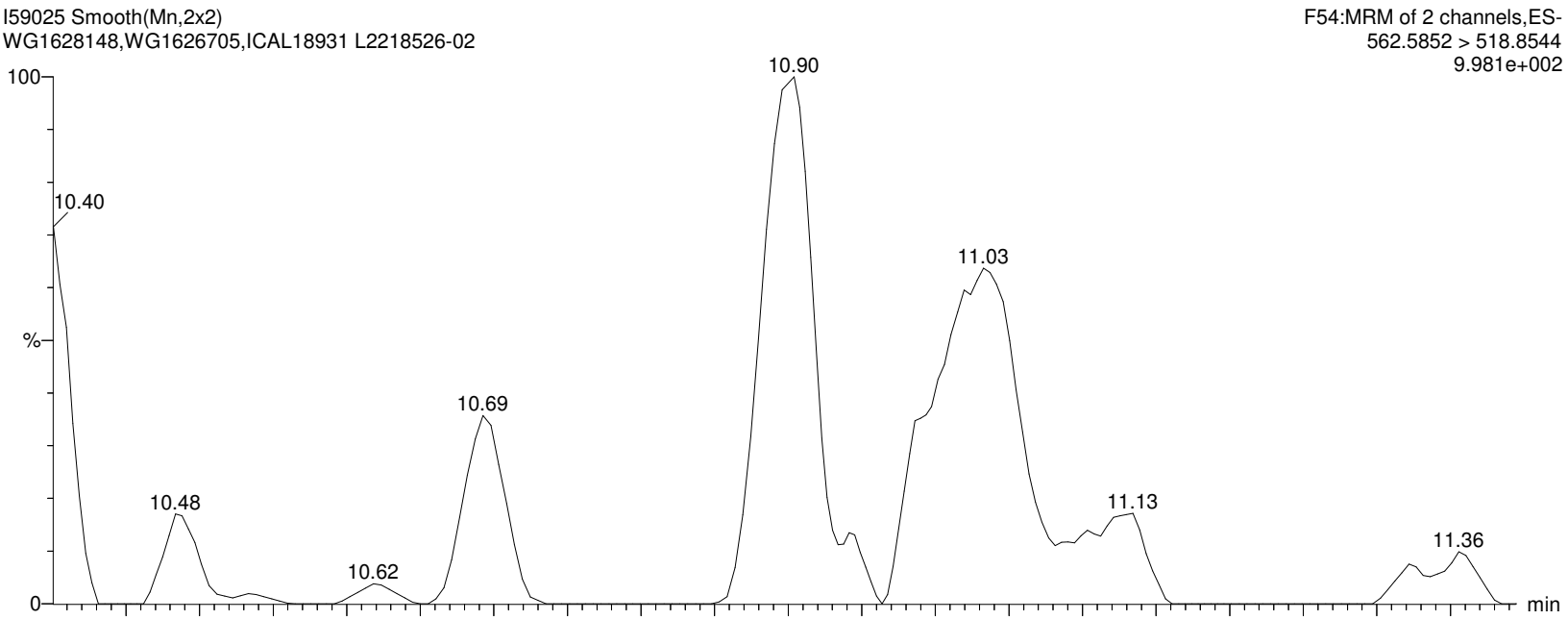


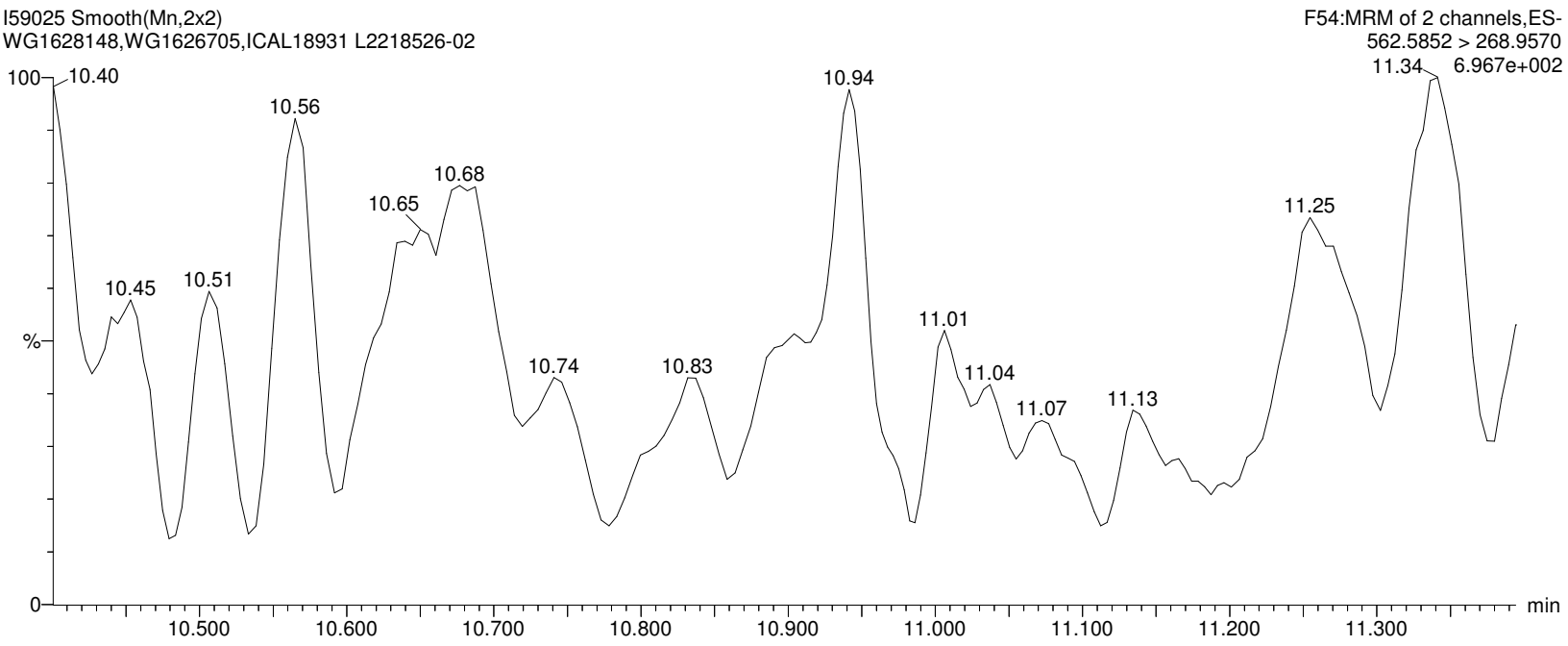
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:04 Eastern Daylight Time

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ID: L2218526-02
Date: 18-Apr-2022
Time: 00:11:40
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
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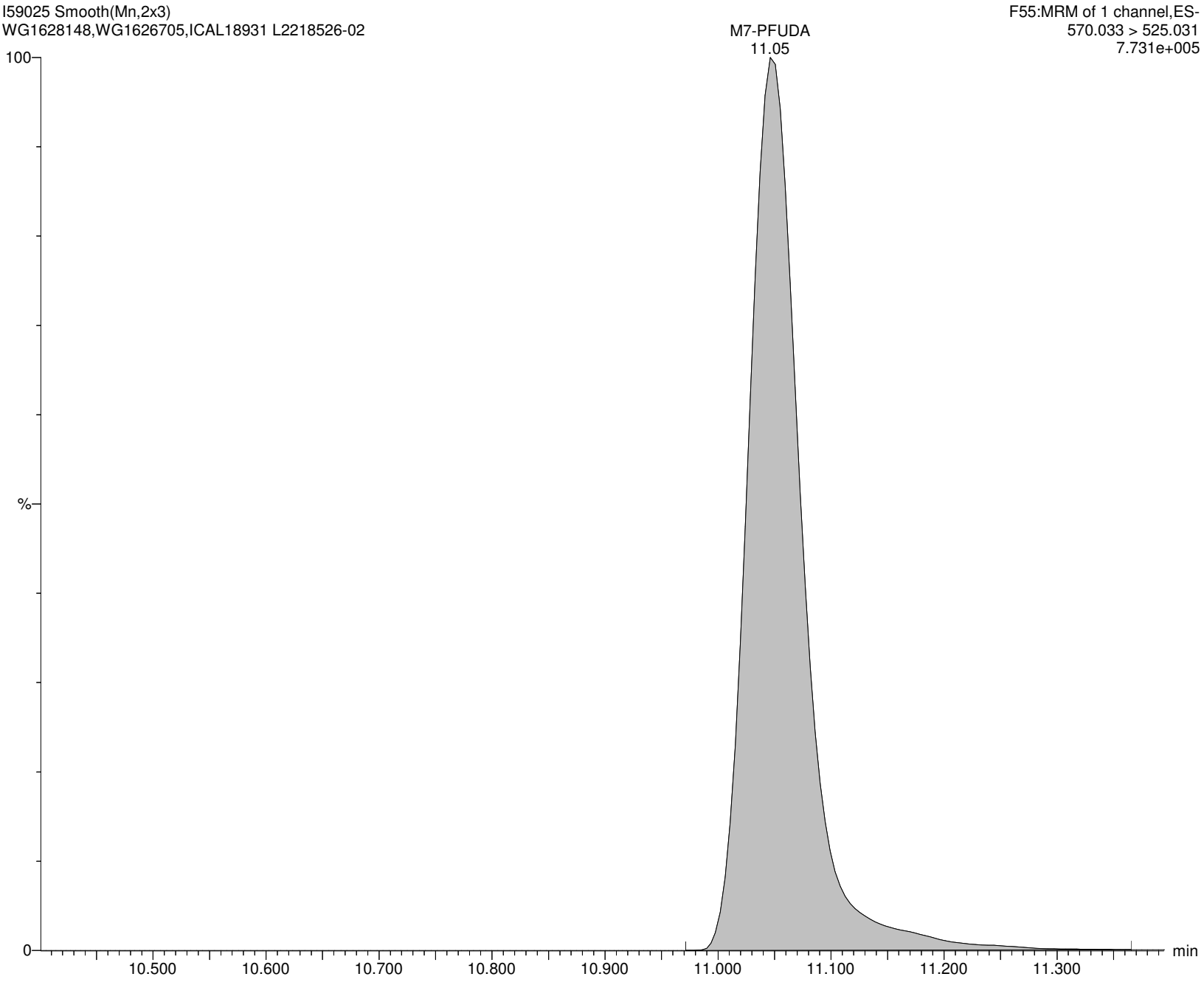


all concentration units in (ng/mL)

Alpha Analytical Inc.
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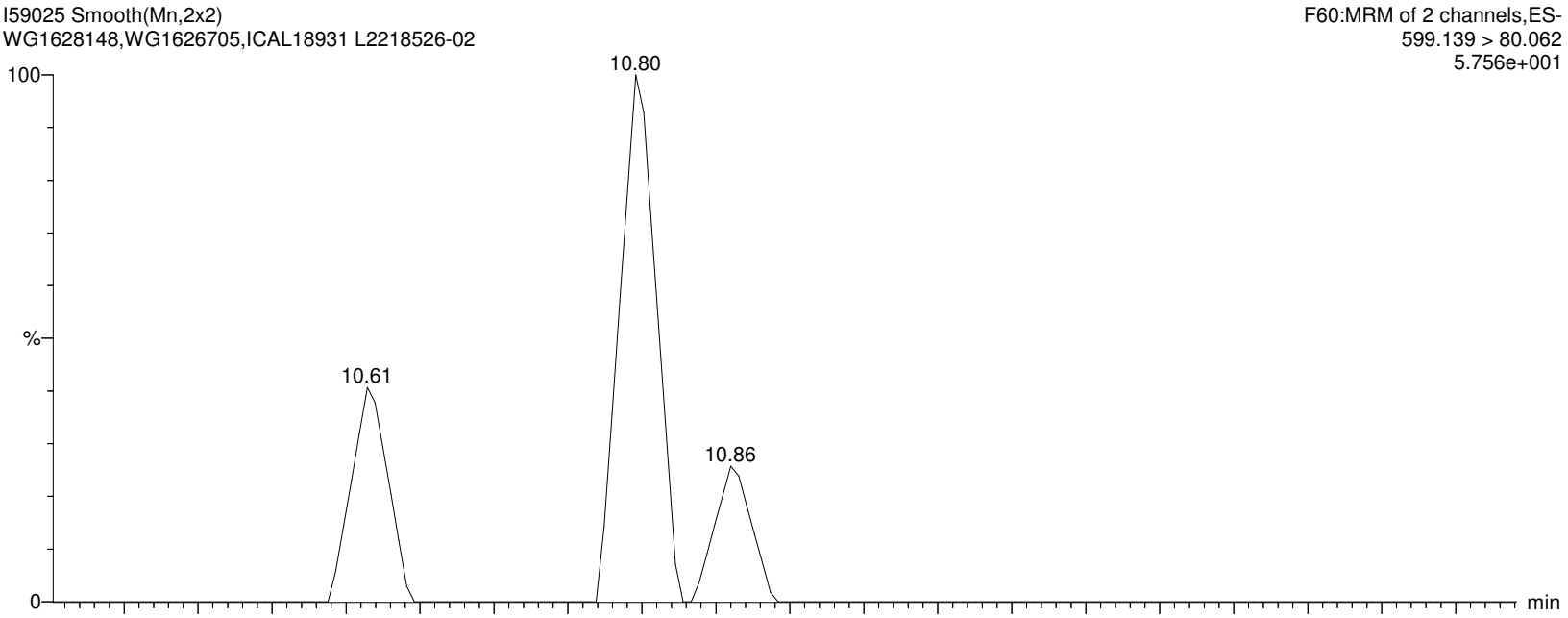


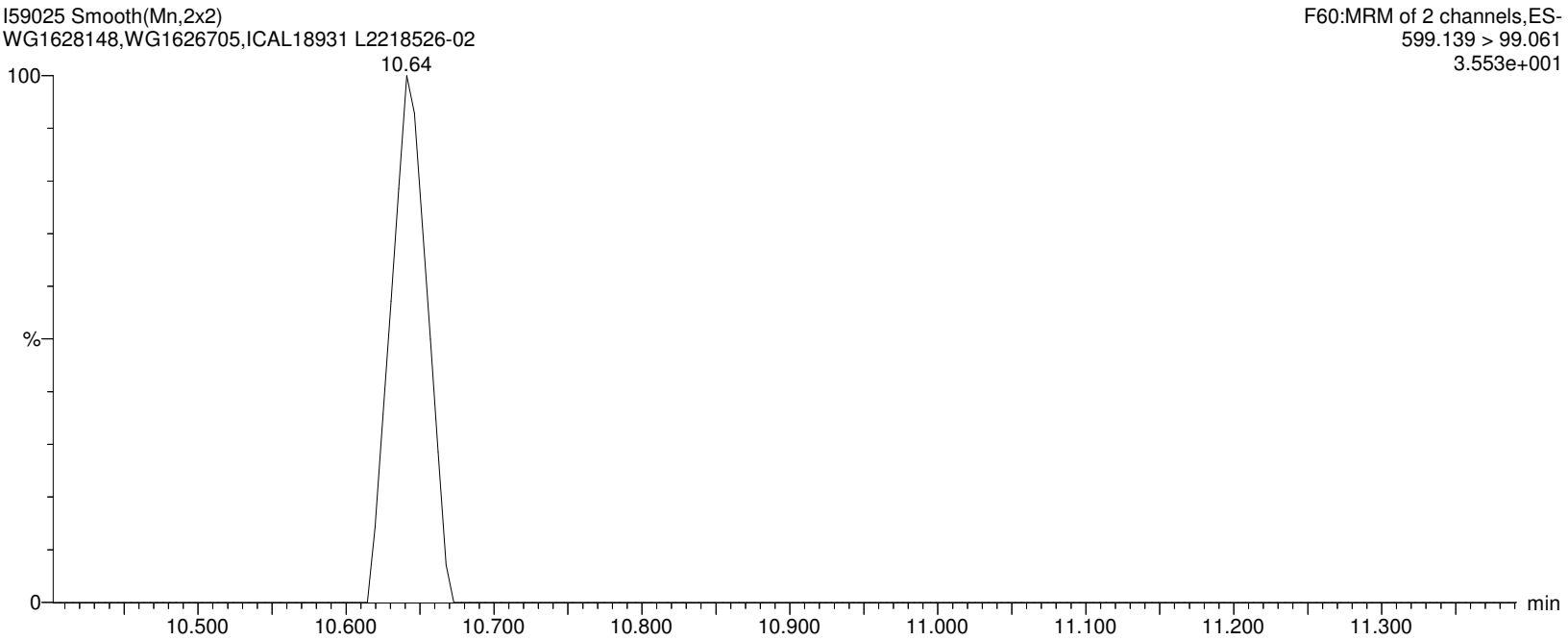
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:D,2
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PFDS



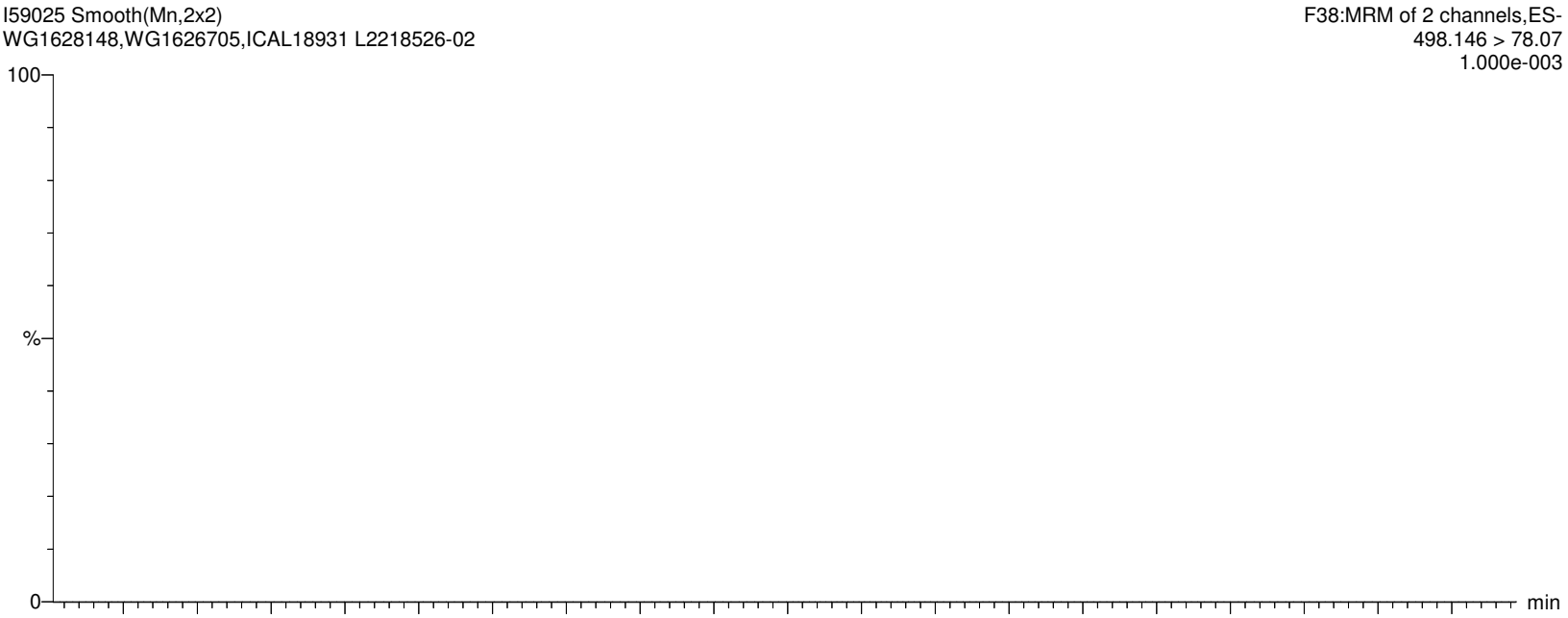


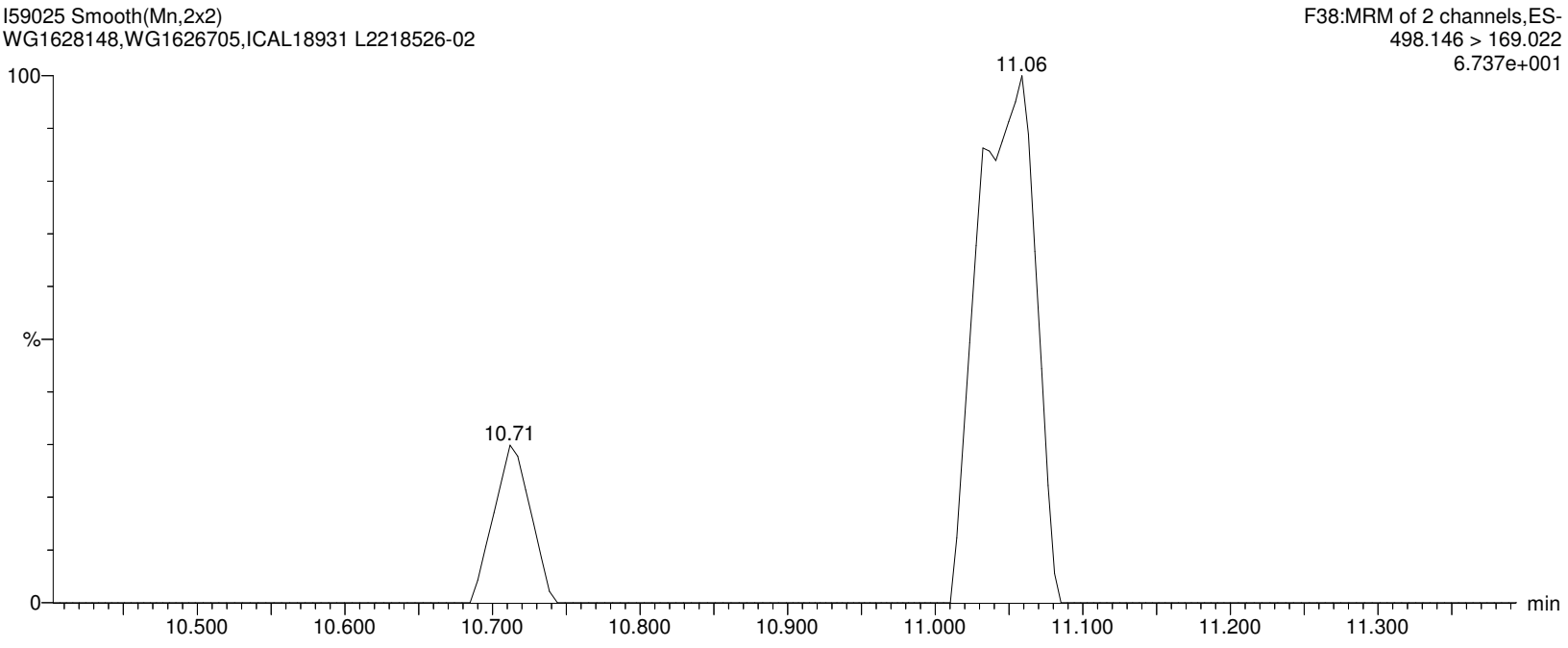
all concentration units in (ng/mL)

Alpha Analytical Inc.
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FOSA



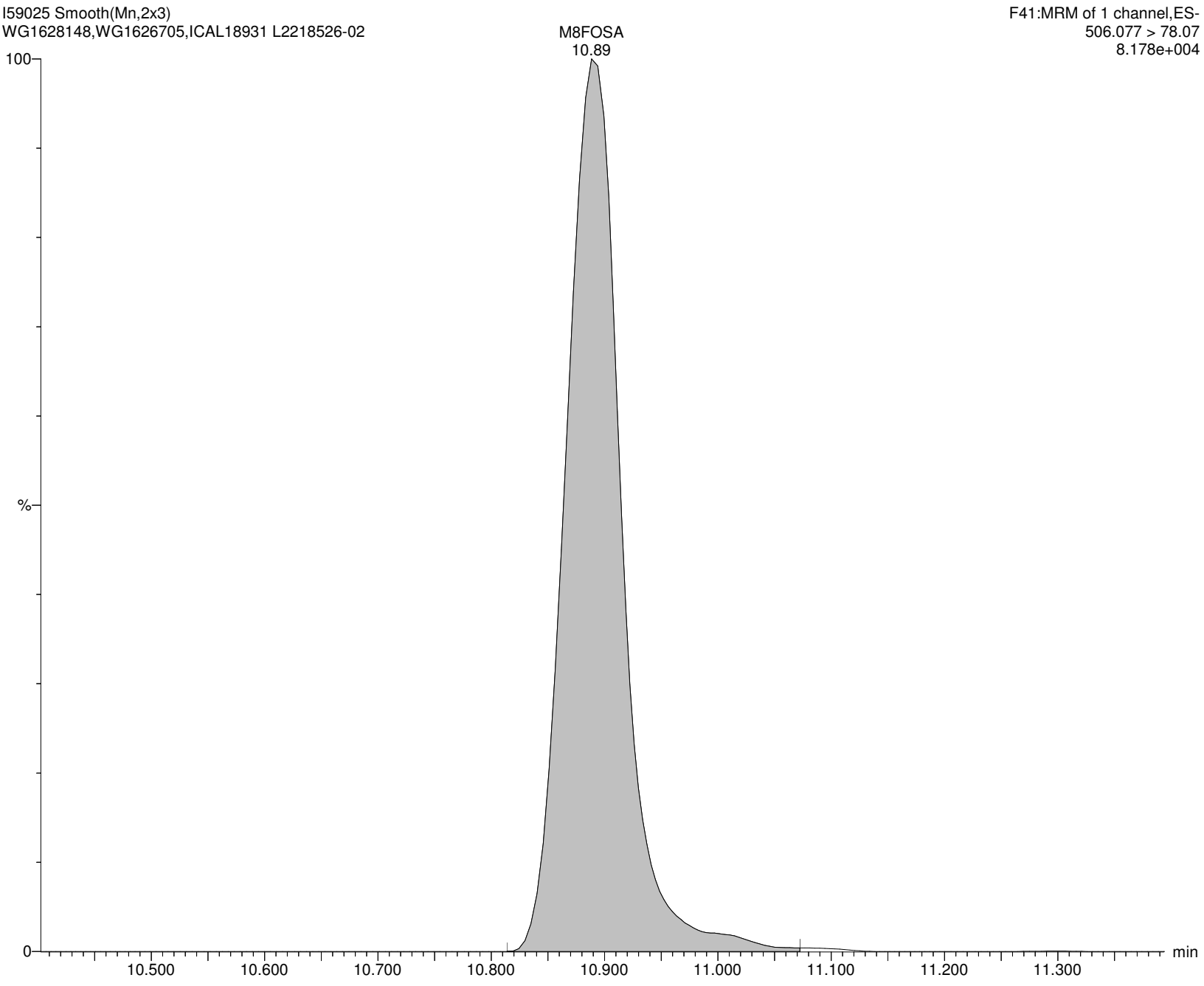


all concentration units in (ng/mL)

Alpha Analytical Inc.
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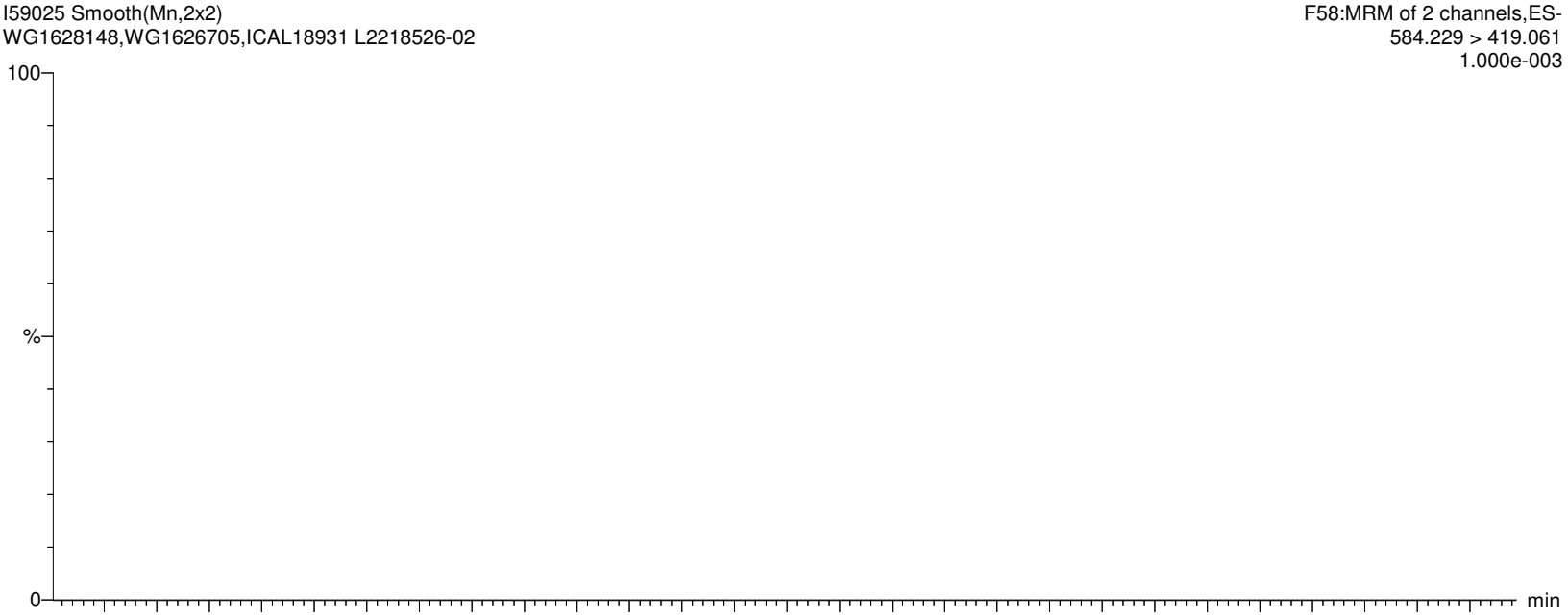


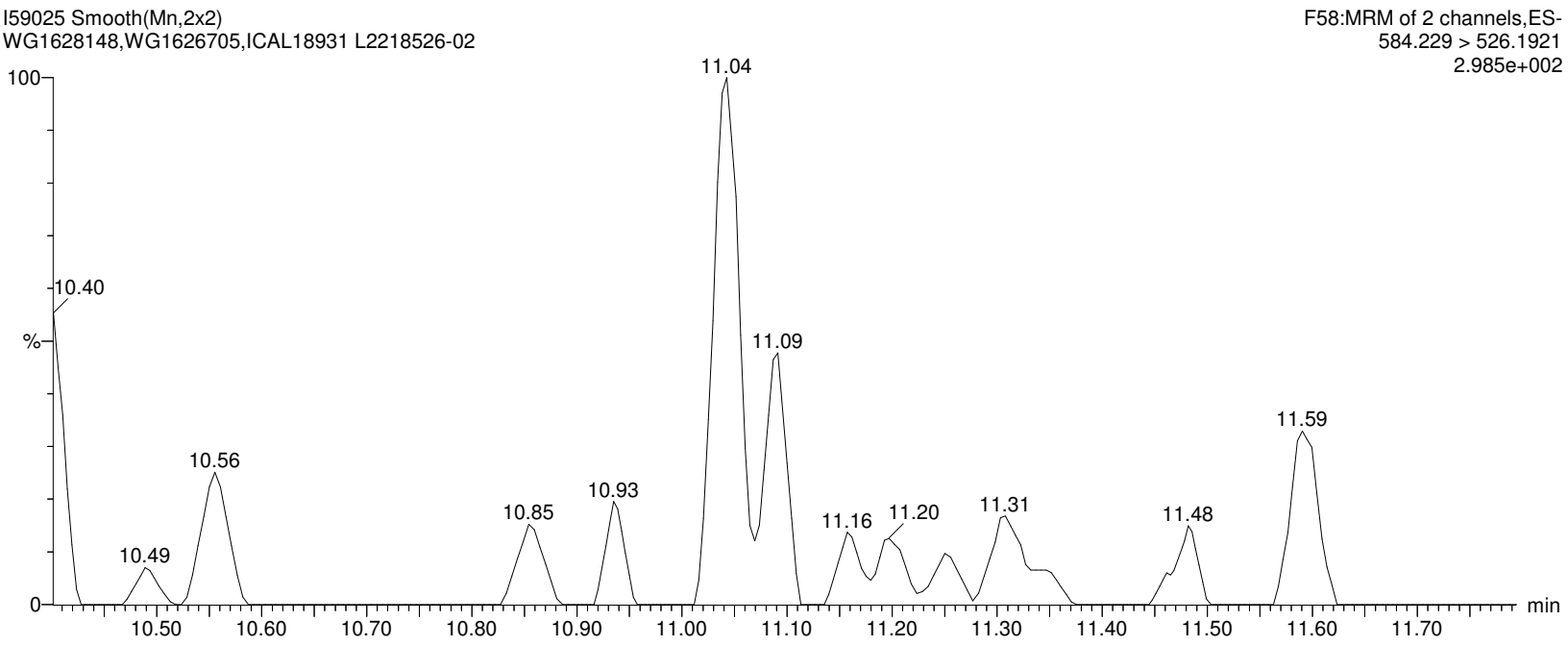
all concentration units in (ng/mL)

Alpha Analytical Inc.
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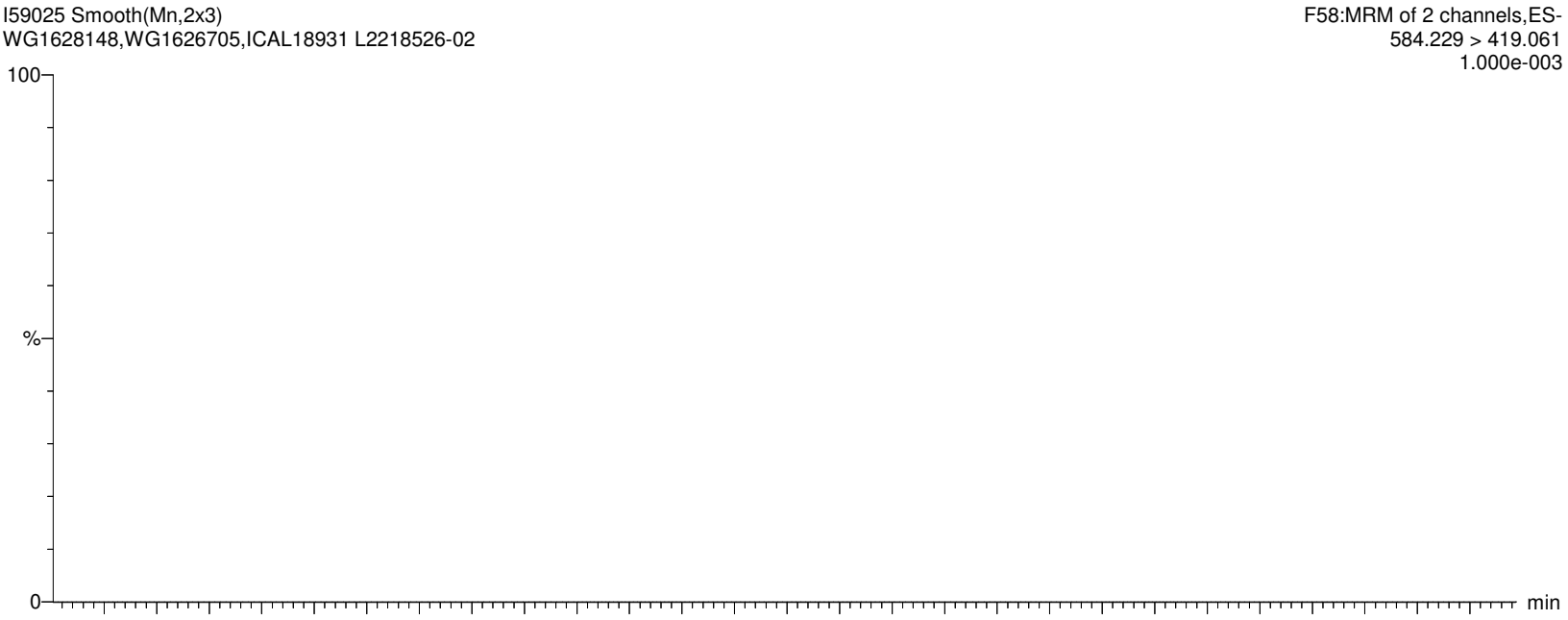


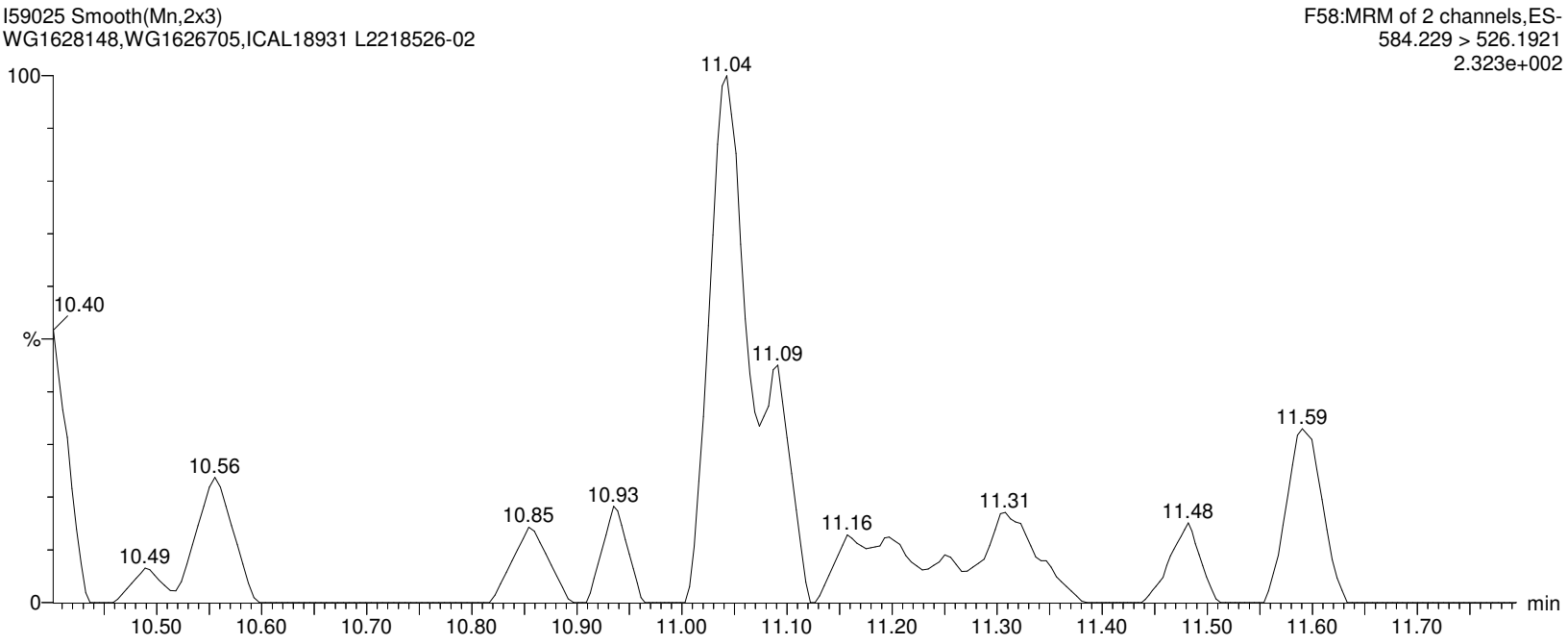
all concentration units in (ng/mL)

Alpha Analytical Inc.
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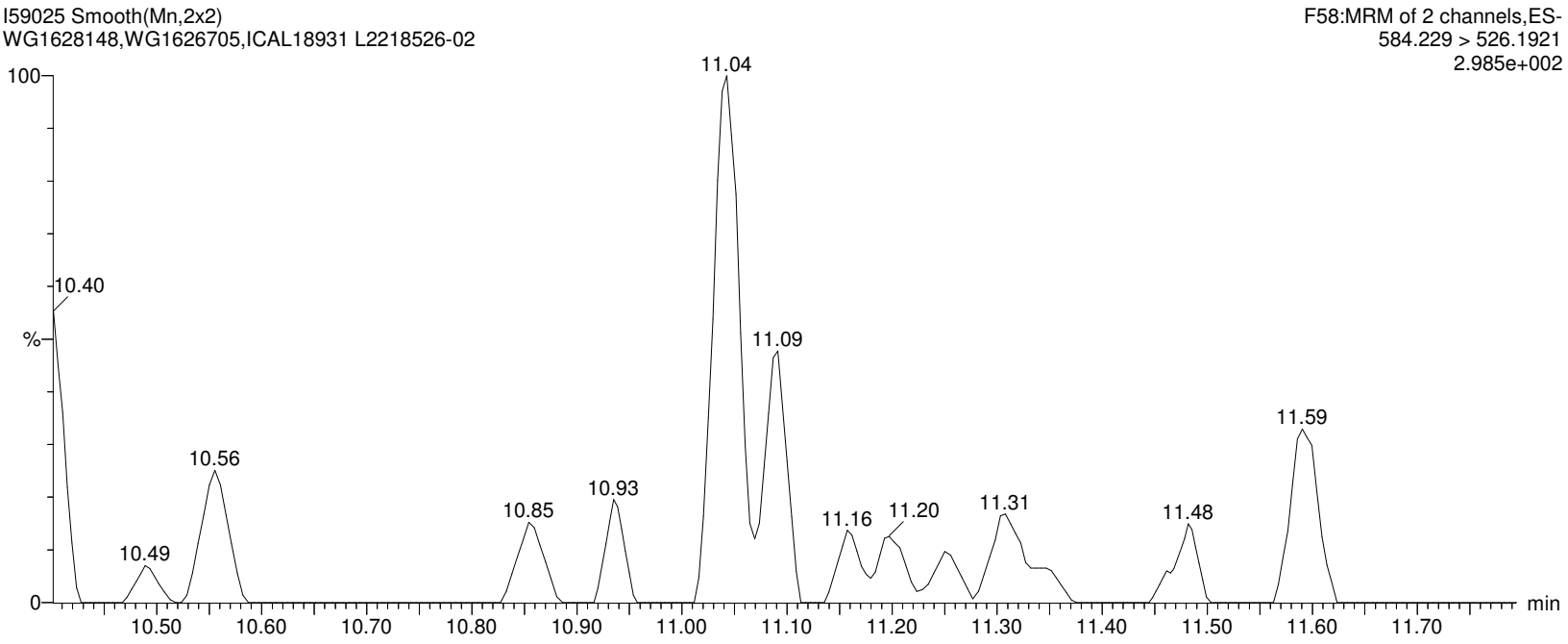
all concentration units in (ng/mL)

Alpha Analytical Inc.
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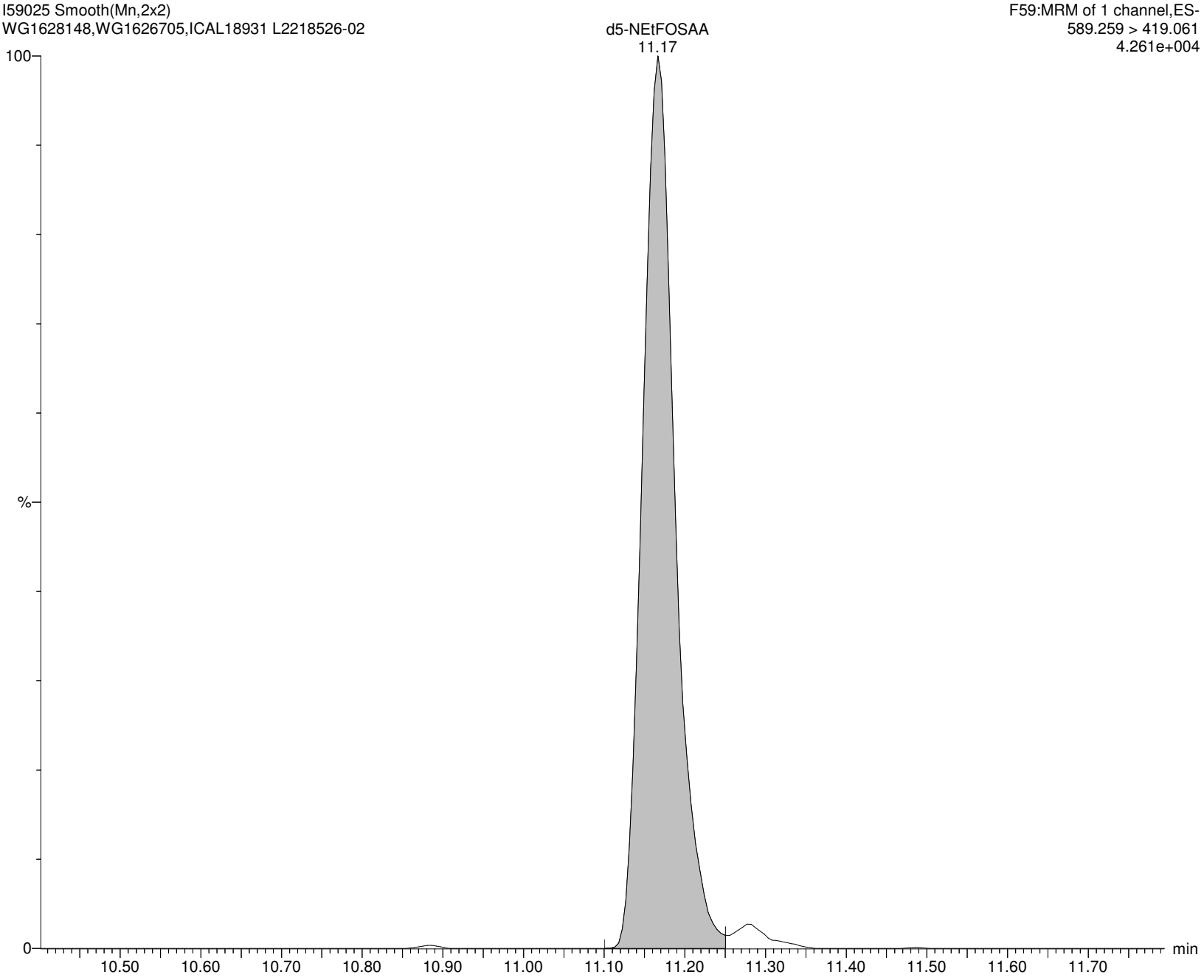


all concentration units in (ng/mL)

Alpha Analytical Inc.
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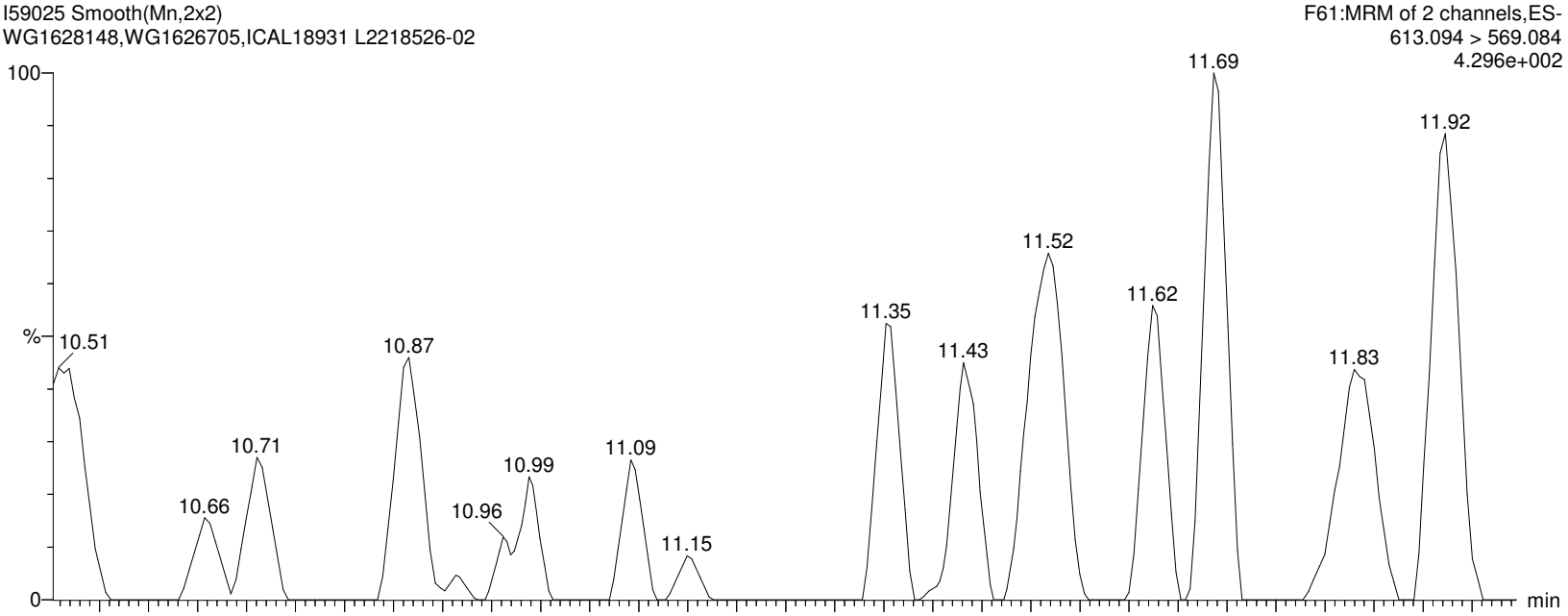


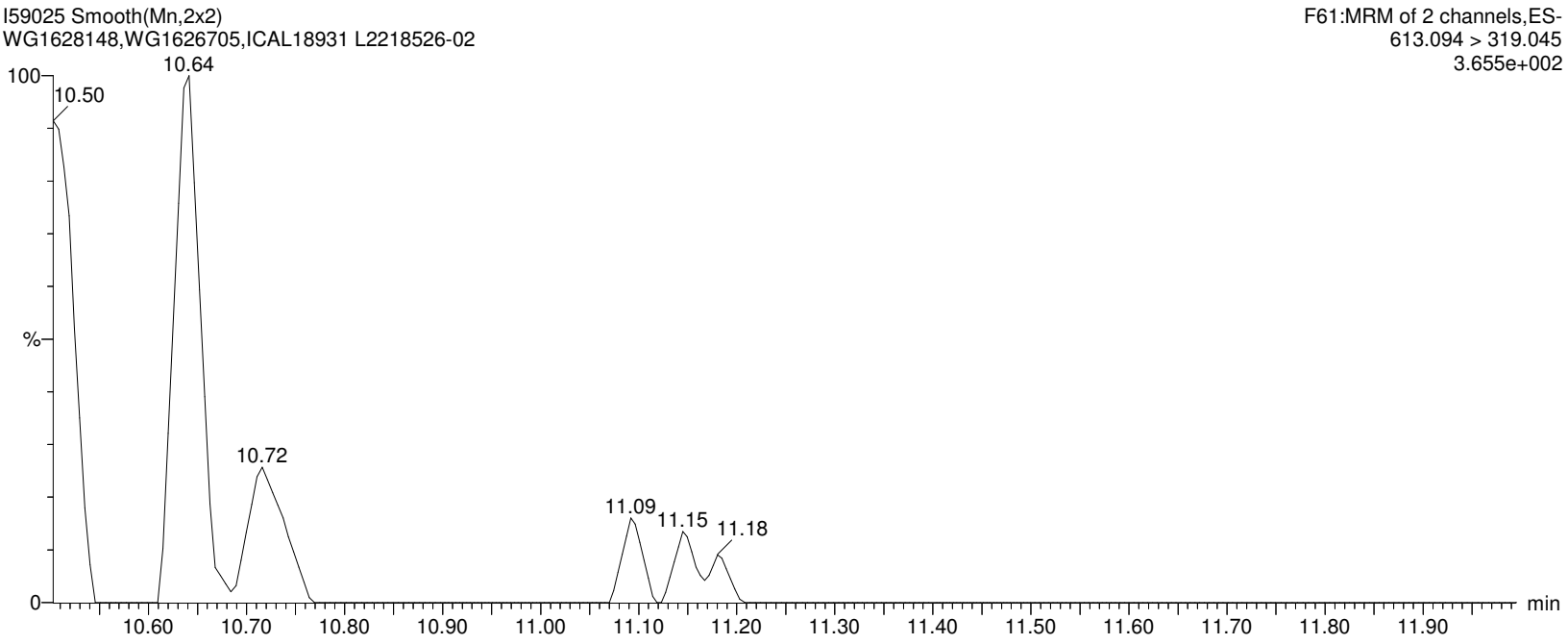
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDoA



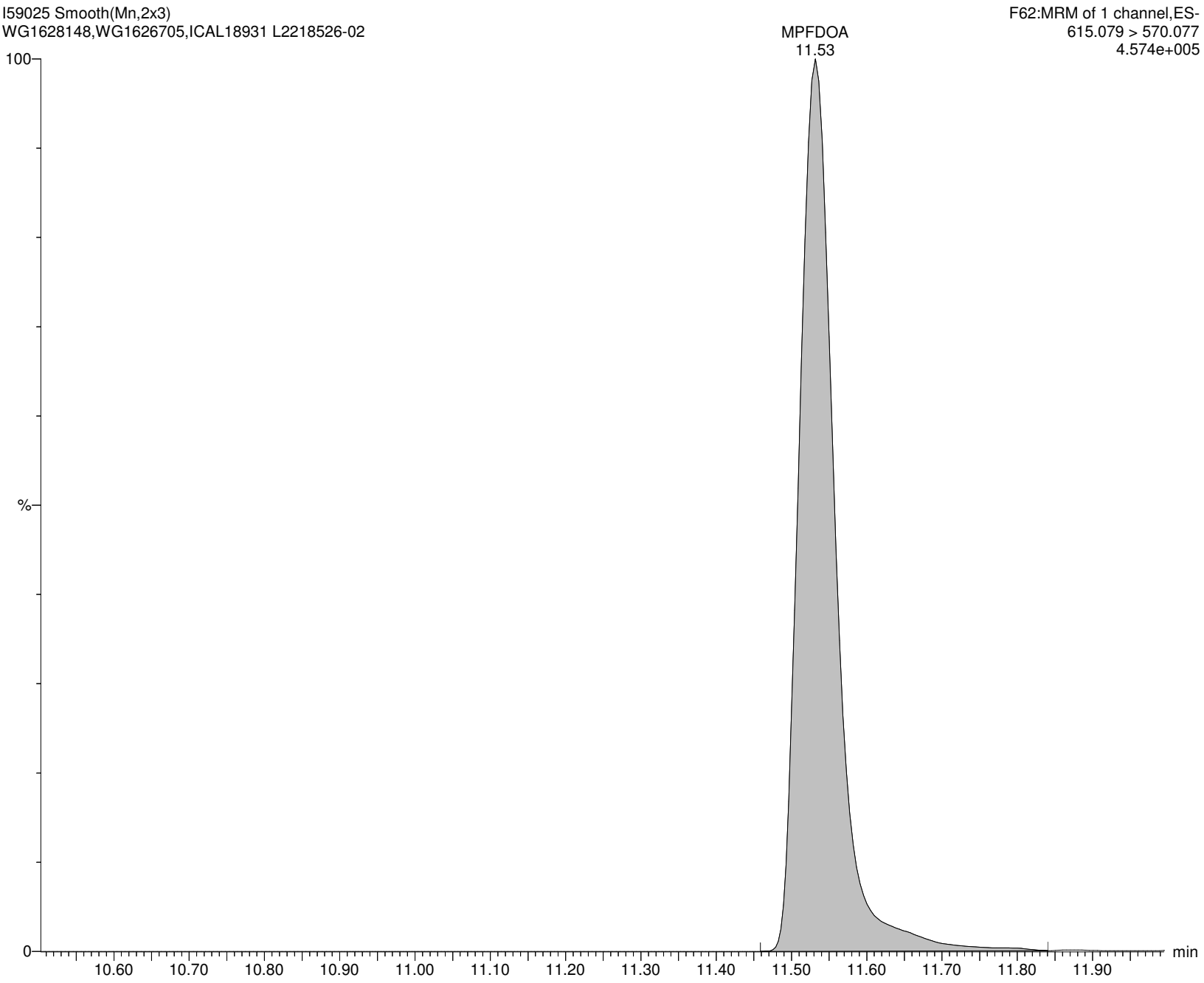


all concentration units in (ng/mL)

Alpha Analytical Inc.
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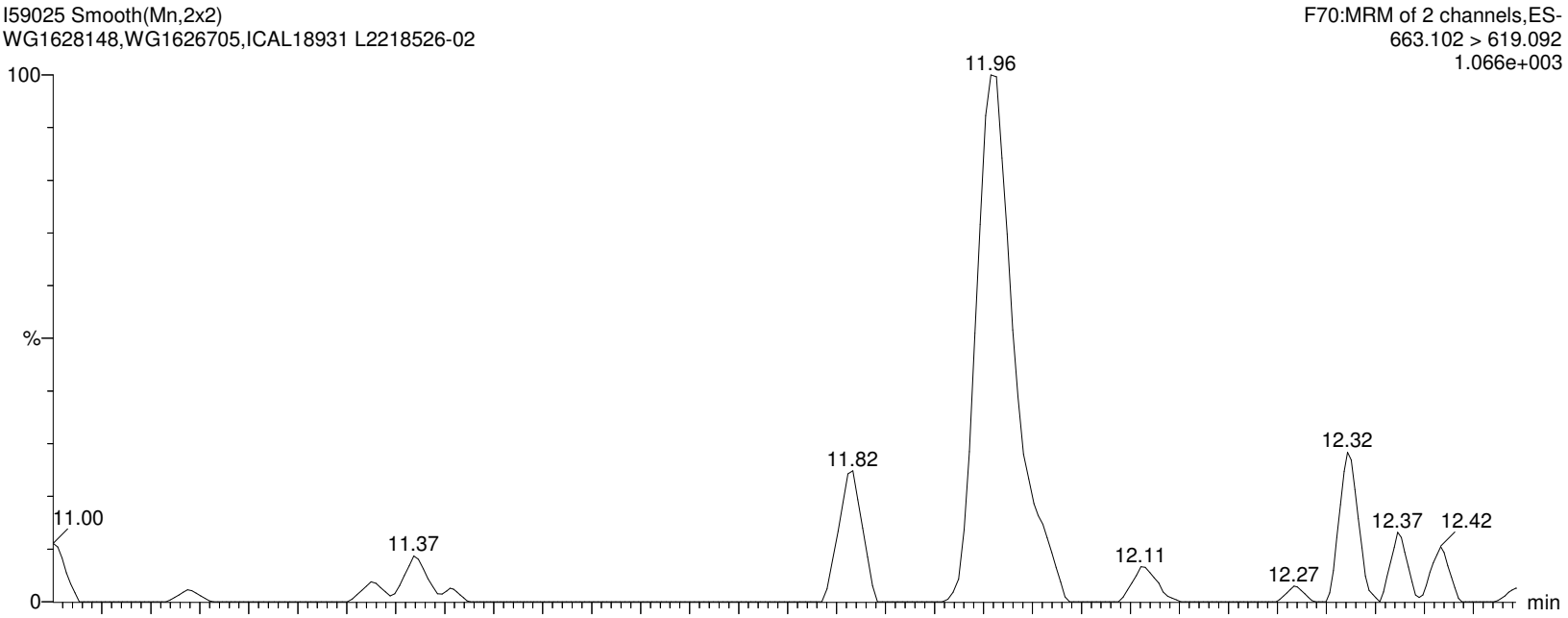


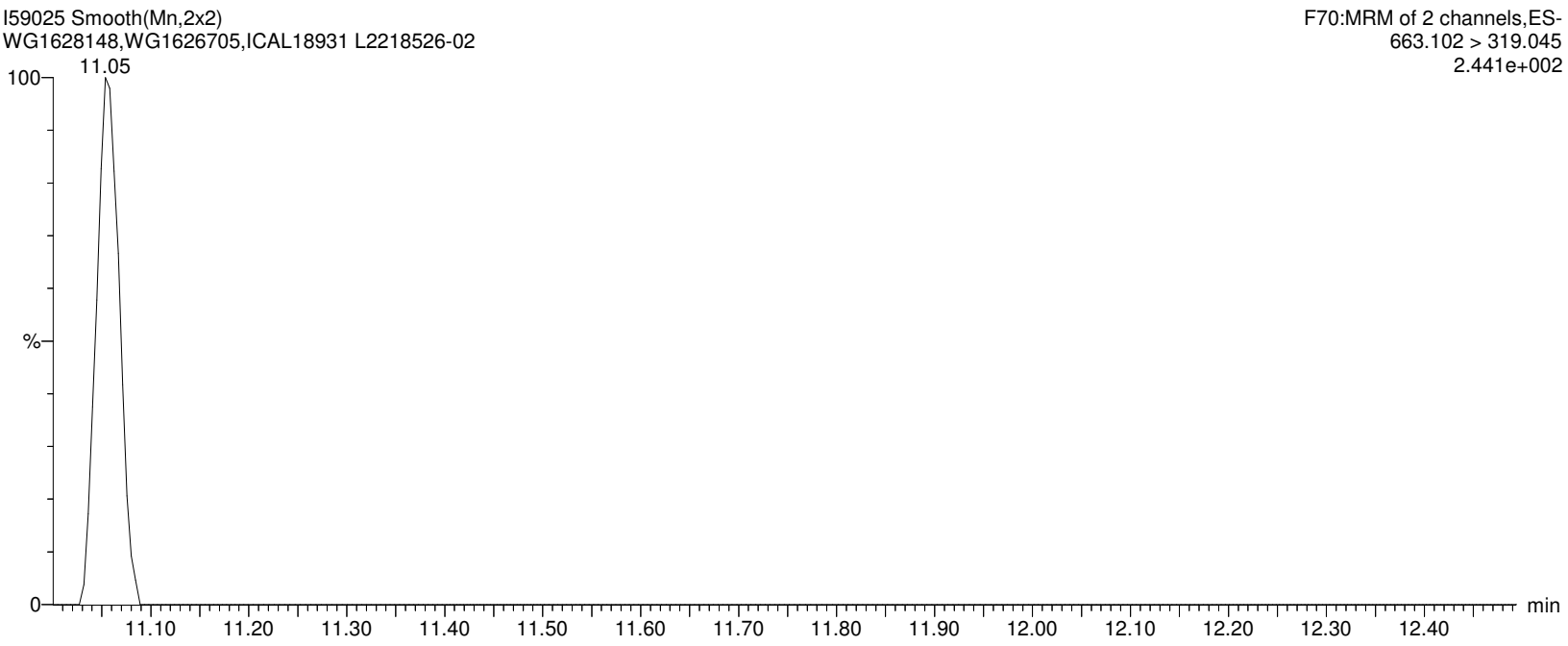
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 18-Apr-2022
Time: 00:11:40
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Vial: 1:D,2
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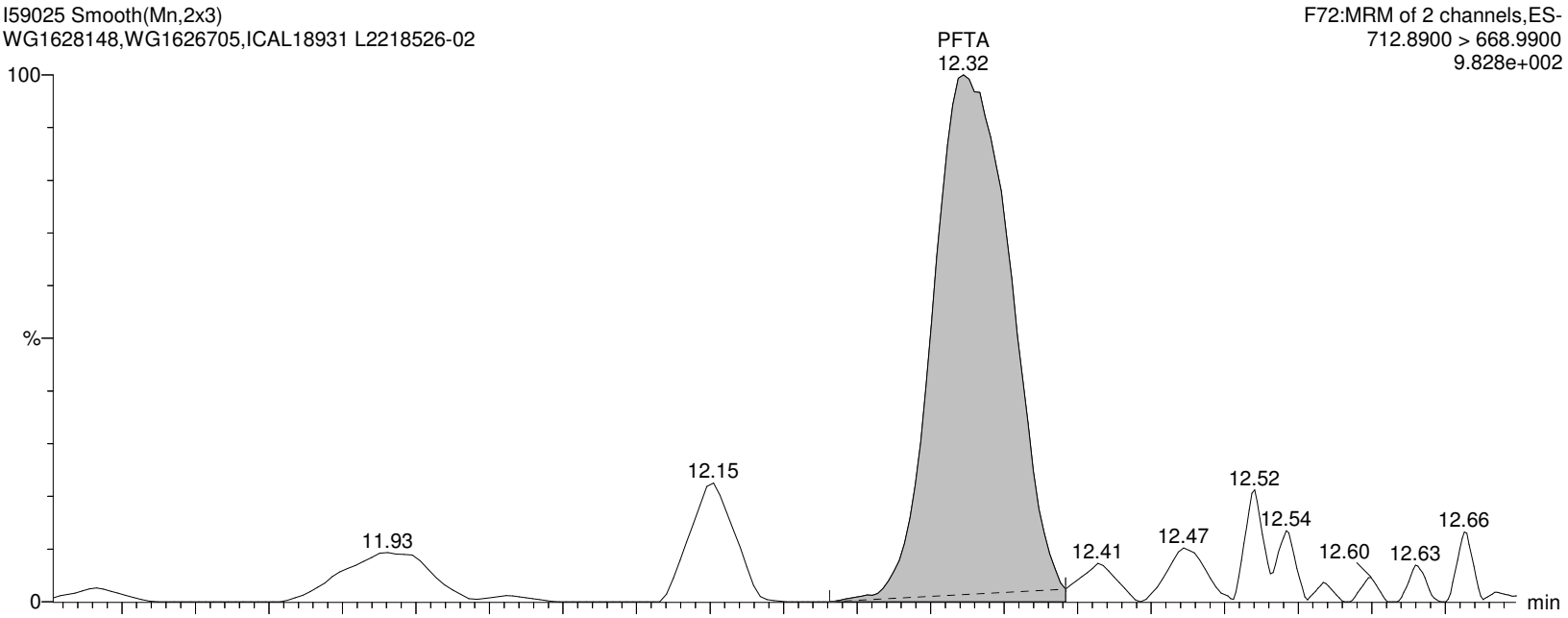


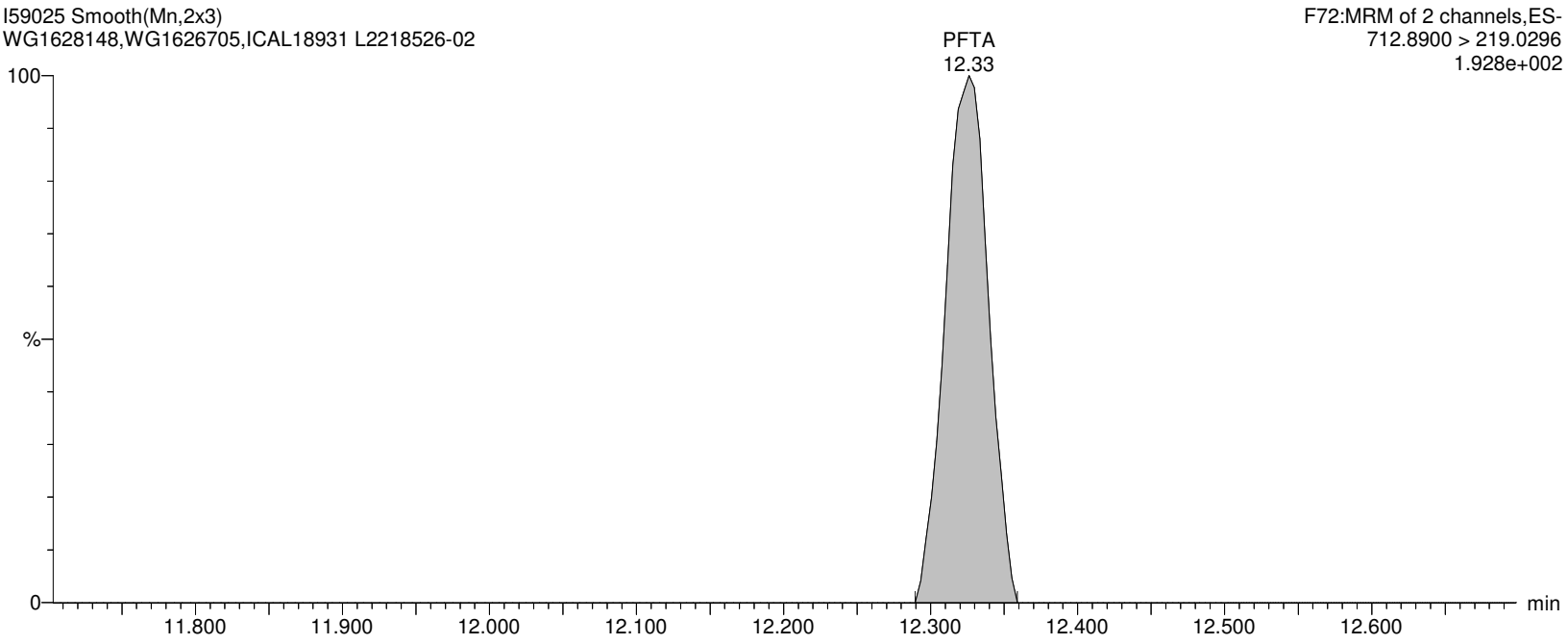
all concentration units in (ng/mL)

Alpha Analytical Inc.
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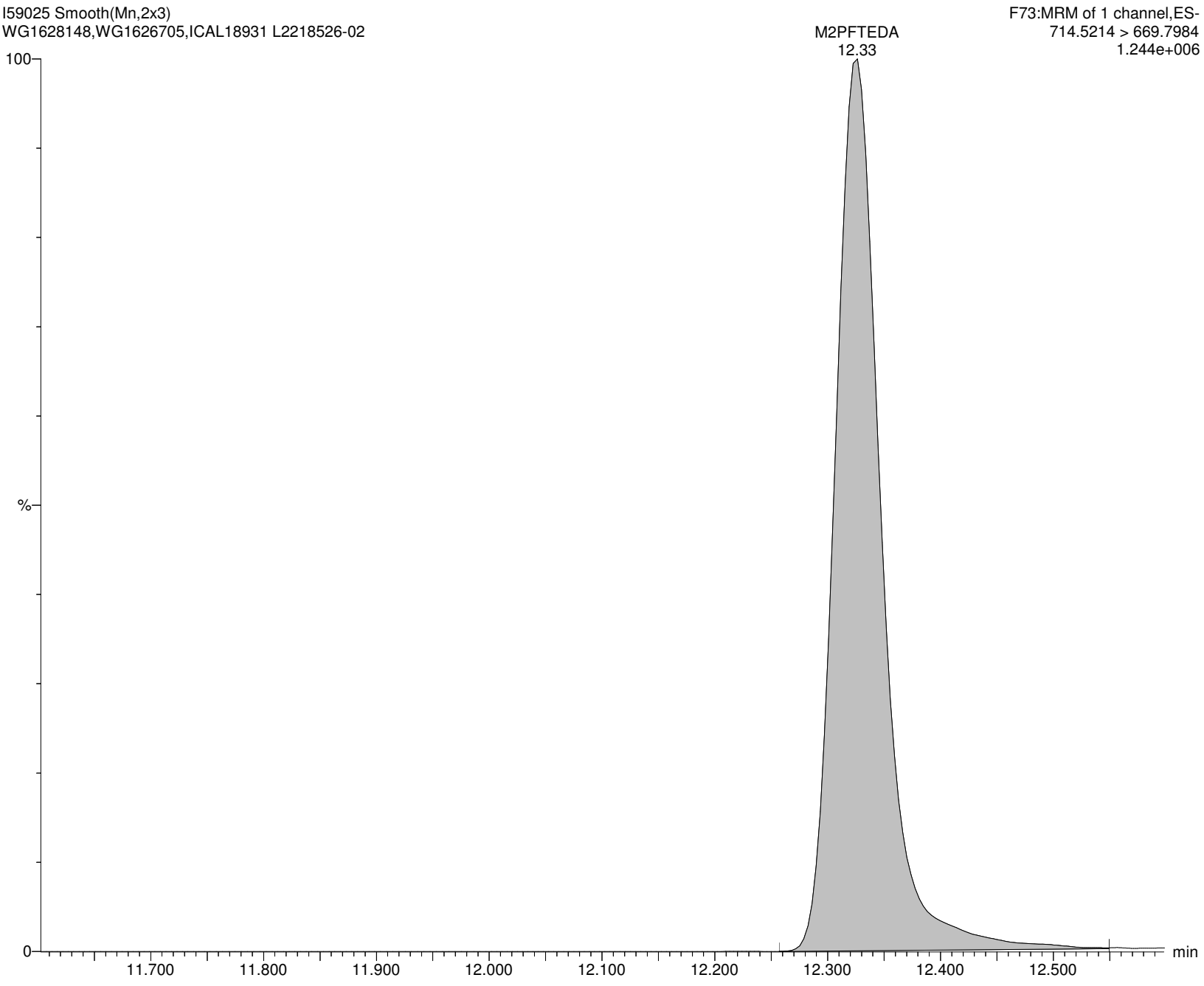


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 18-Apr-2022
Time: 00:11:40
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFTEDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Time: 00:28:13
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		213.032 > 169.022			ND		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	29343		11.519		na	115.2
3	MPFBA	INT STD	2.12	217.001 > 171.999	33698		10.294		na	102.9
4	PFPeA	2706-90-3	4.98	263.039 > 219.03	123	M4	0.034		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	47311		11.766		na	117.7
6	PFBS	375-73-5		299.092 > 80.062			ND		YES	
7	M3PFBS	INT STD	5.65	302.069 > 80.062	8786		9.568		na	102.7
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	2833		6.911		na	73.7
10	PFHxA	307-24-4	6.89	313.047 > 269.037	82	M2,M7	0.016	167.17	YES	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	52974		9.641		na	96.4
12	PFPeS	2706-91-4		349.1 > 80.062			ND		YES	
13	PFHpA	375-85-9		363.055 > 319.045			ND		YES	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	66180		10.065		na	100.6
15	br-PFHxS	355-46-4		399.107 > 80.062			ND		YES	
16	L-PFHxS	355-46-4		399.107 > 80.062			ND		YES	
17	PFHxS	355-46-4		399.107 > 80.062	0		ND		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	8149		9.464		na	99.8
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	122	M7	0.013	7.11	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	122		0.013		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	94763		10.683		na	106.8
23	M2PFOA	INT STD	9.11	414.828 > 369.935	82007		12.575		na	125.8
24	6:2FTS	27619-97-2	9.06	427.161 > 407.155	19	M7	0.073	8.69	YES	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2529		6.865		na	72.2
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	58	M2,M7	0.008	7.23	YES	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	84197		10.164		na	101.6
29	br-PFOS	1763-23-1		498.9030 > 79.9520			ND		YES	
30	L-PFOS	1763-23-1		498.9030 > 79.9520			ND		YES	
31	PFOS	1763-23-1		498.9030 > 79.9520	0		ND		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	8758		13.424		na	134.2
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	10471		9.296		na	96.9
34	PFDA	335-76-2		512.8580 > 468.9590			ND		YES	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	73247		13.645		na	136.5
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	85521		9.788		na	97.9
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	1600		6.516		na	67.9
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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Printed: Tuesday, April 19, 2022 19:03:06 Eastern Daylight Time

ID: L2218526-03
Name: I59026
Date: 18-Apr-2022
Time: 00:28:13
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	3690		10.203		na	102.0
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	47744		9.186		na	91.9
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	4722		1.934		na	19.3
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	2654		8.796		na	88.0
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	28950		8.767		na	87.7
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	69	M4,M7	0.016	28.60	YES	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	63914		9.164		na	91.6

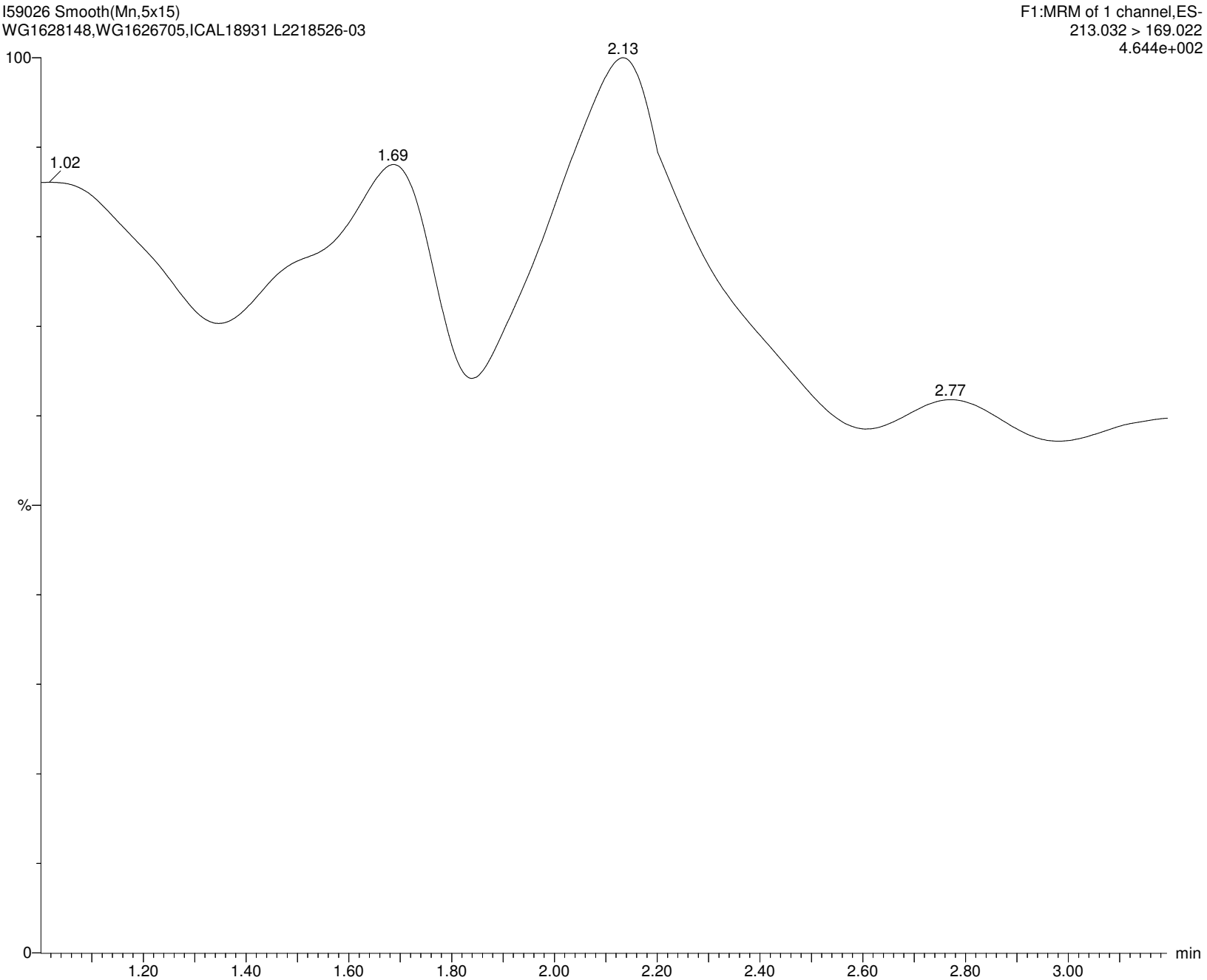
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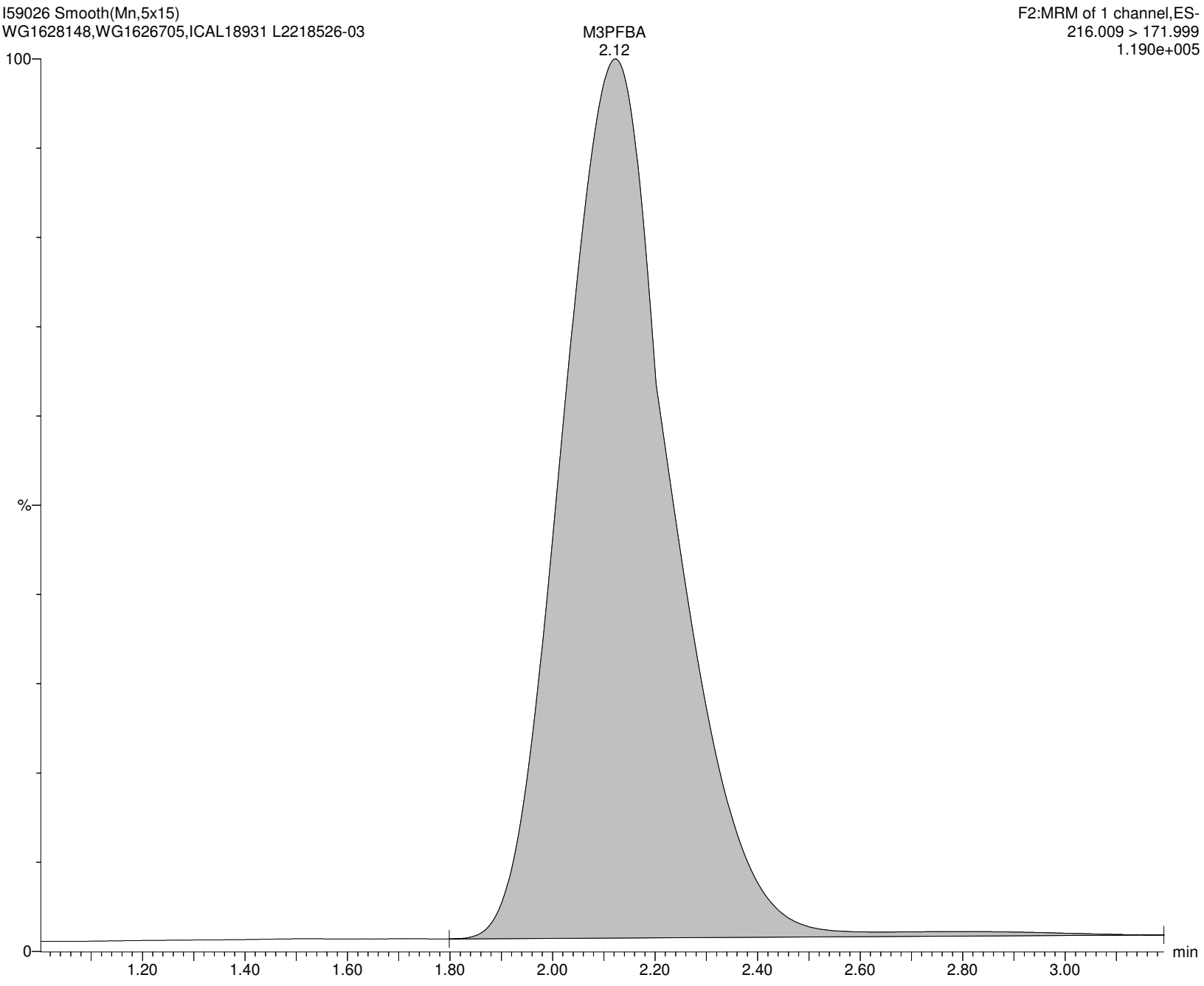


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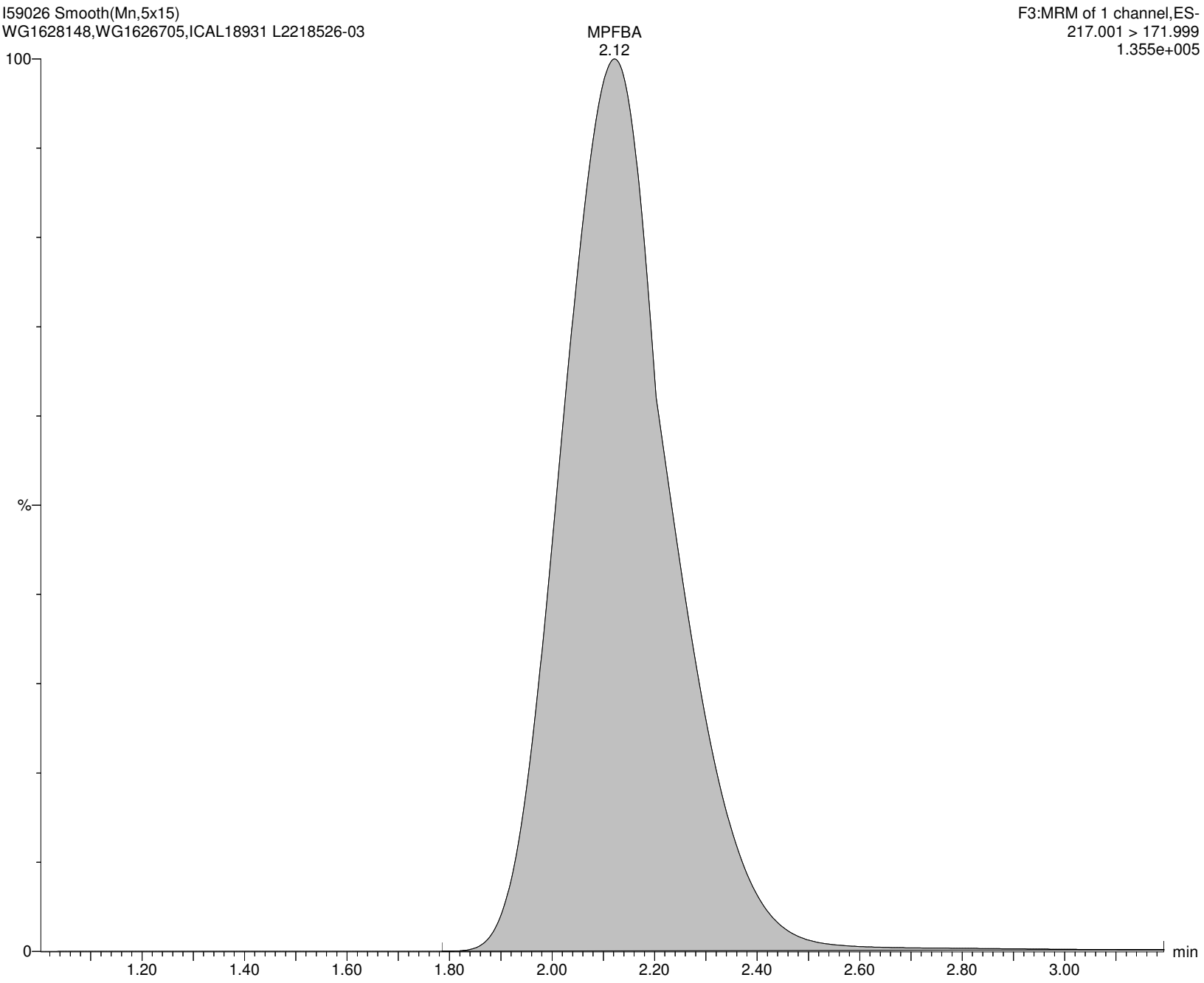


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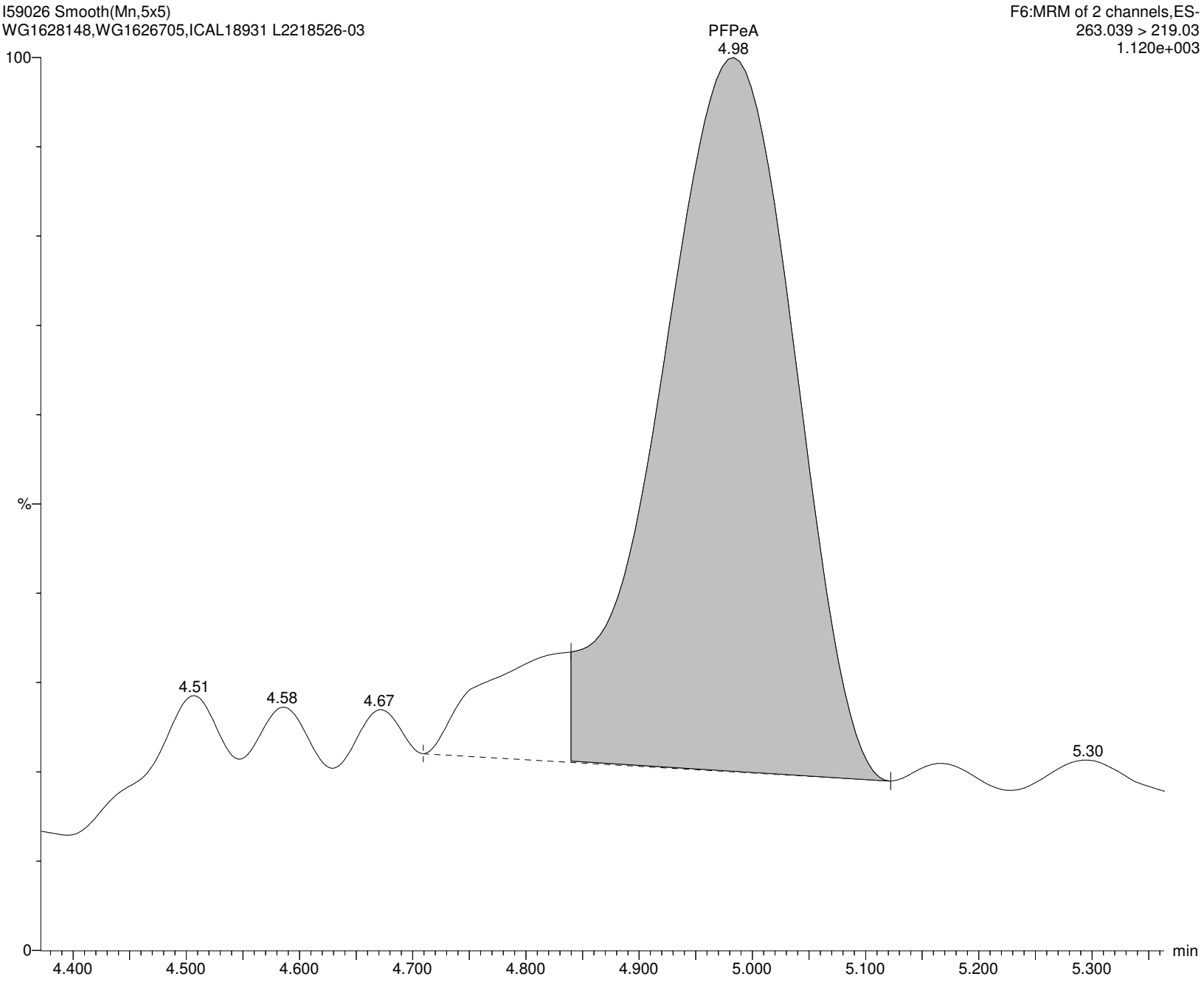


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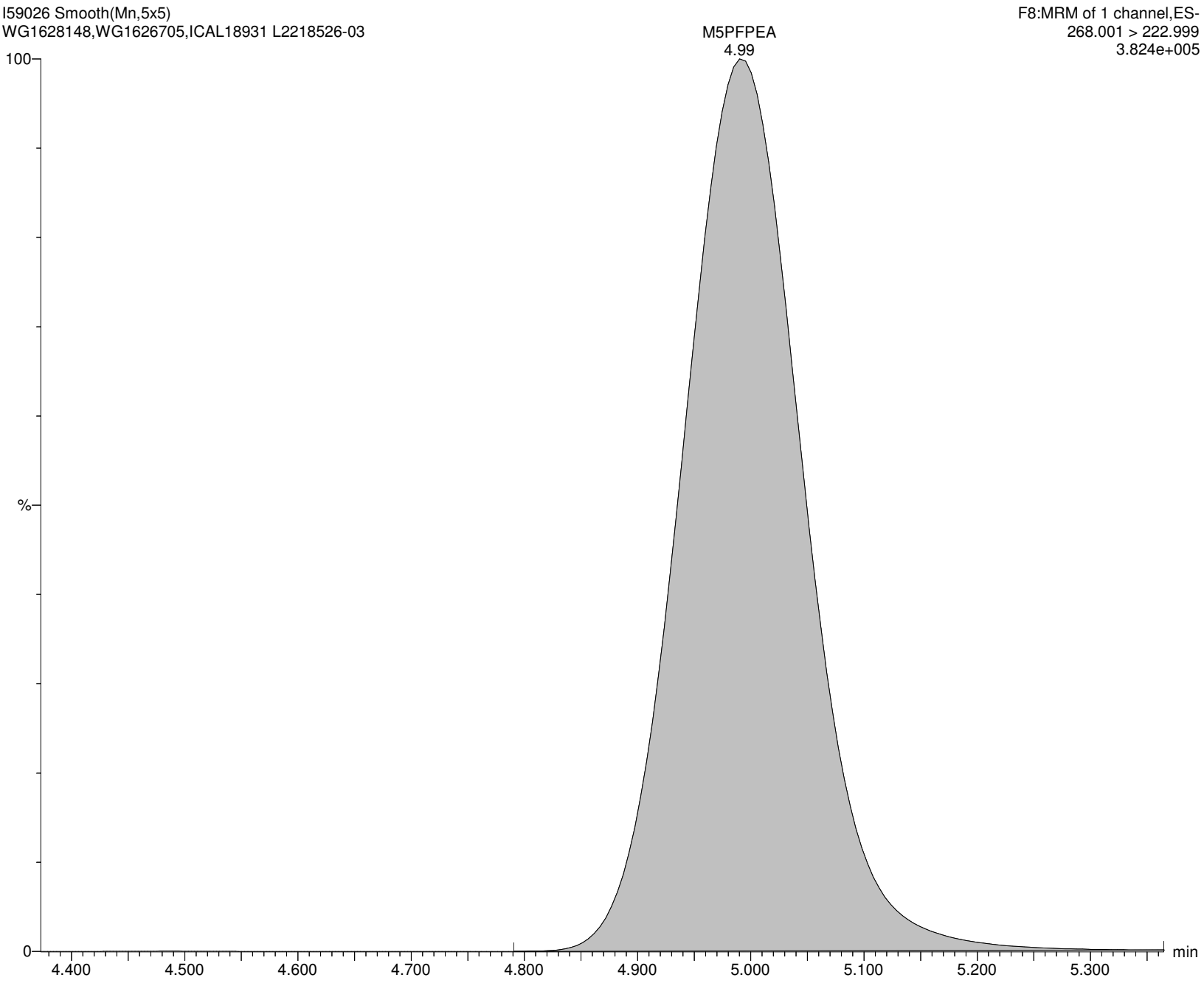


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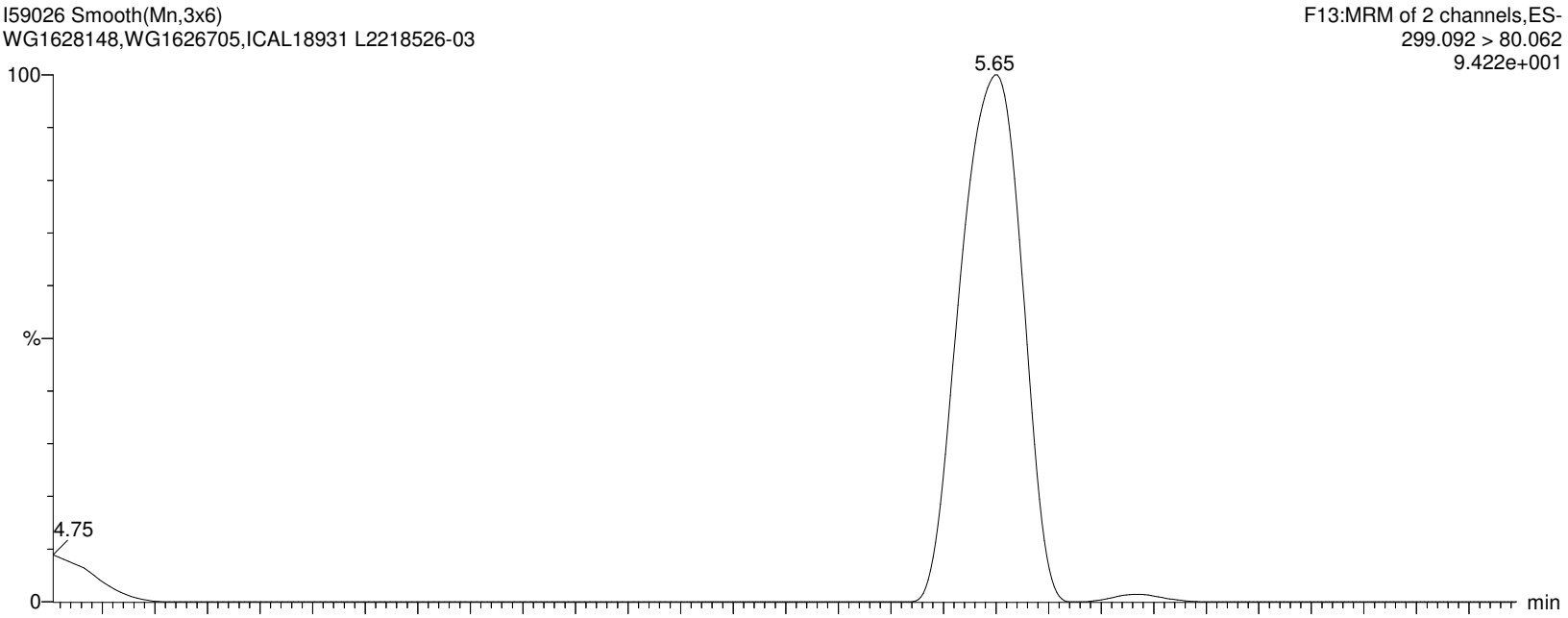


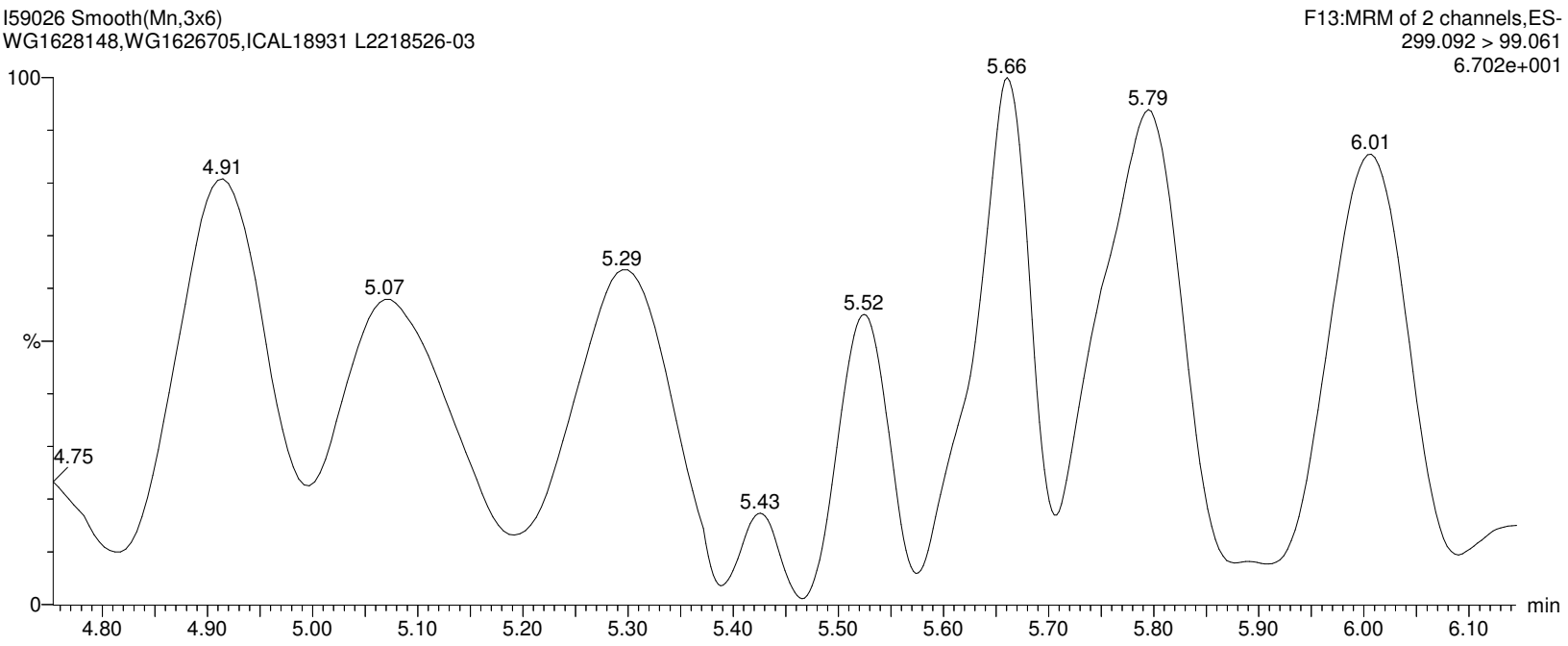
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PFBS



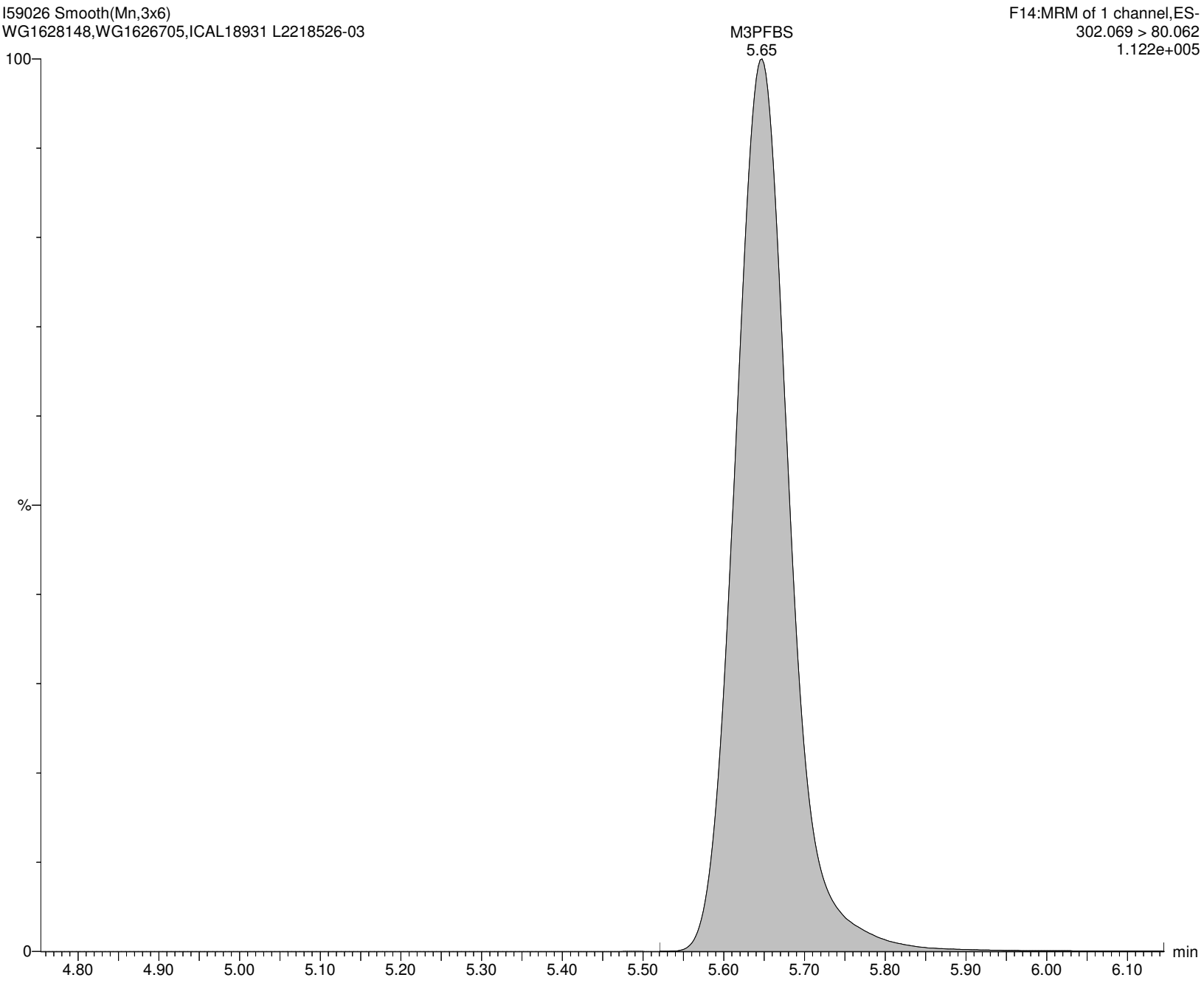


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M3PFBS

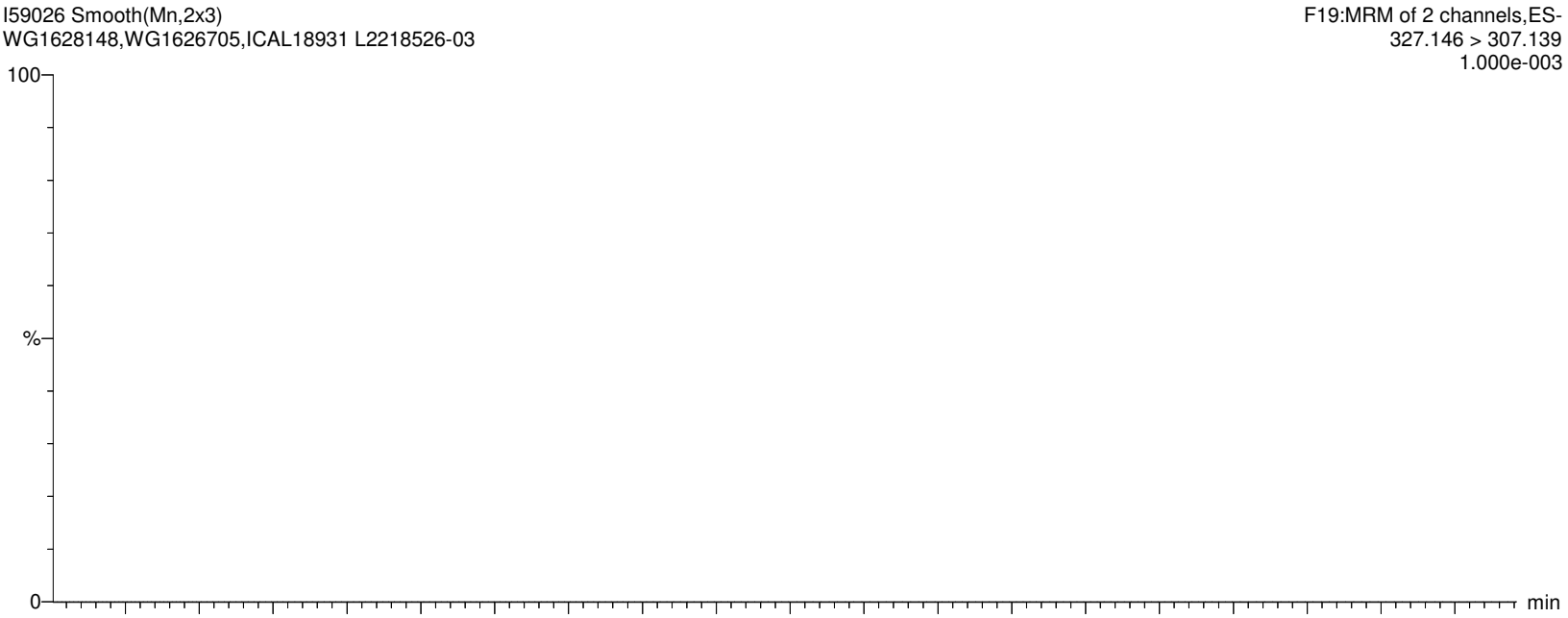


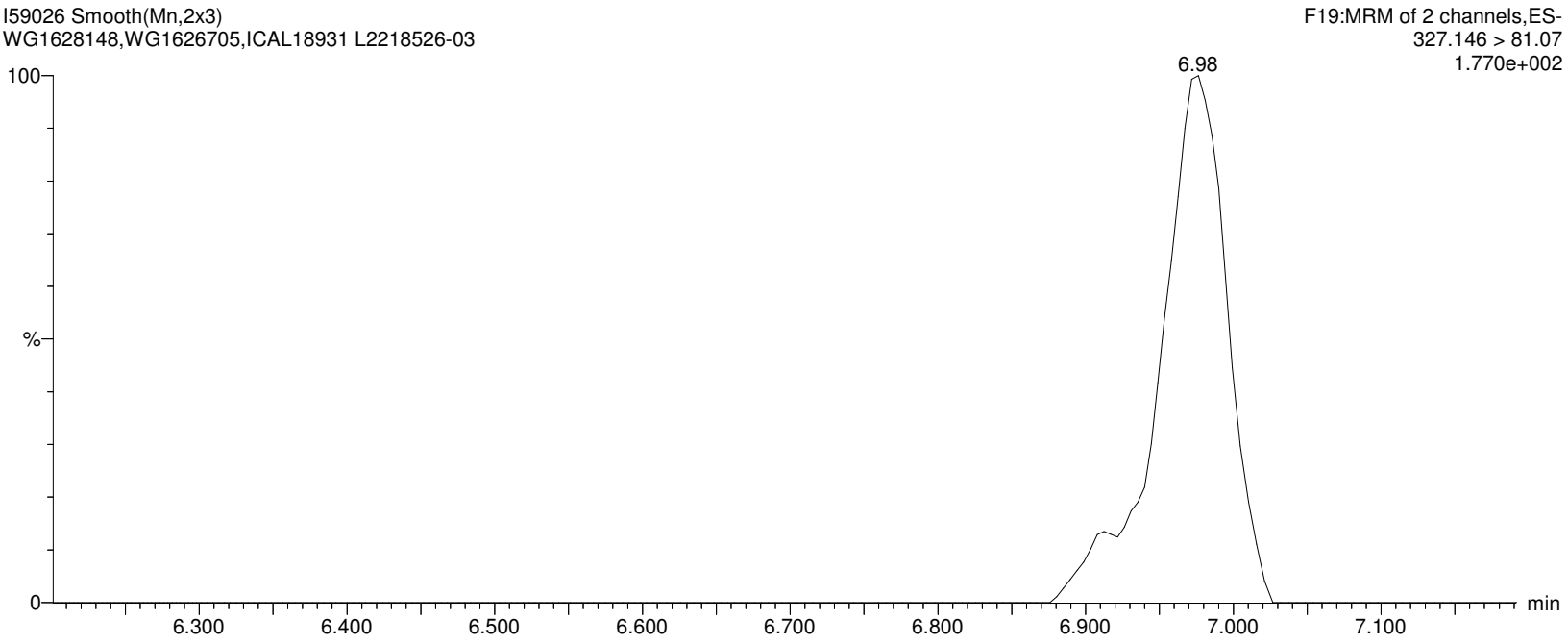
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4:2FTS



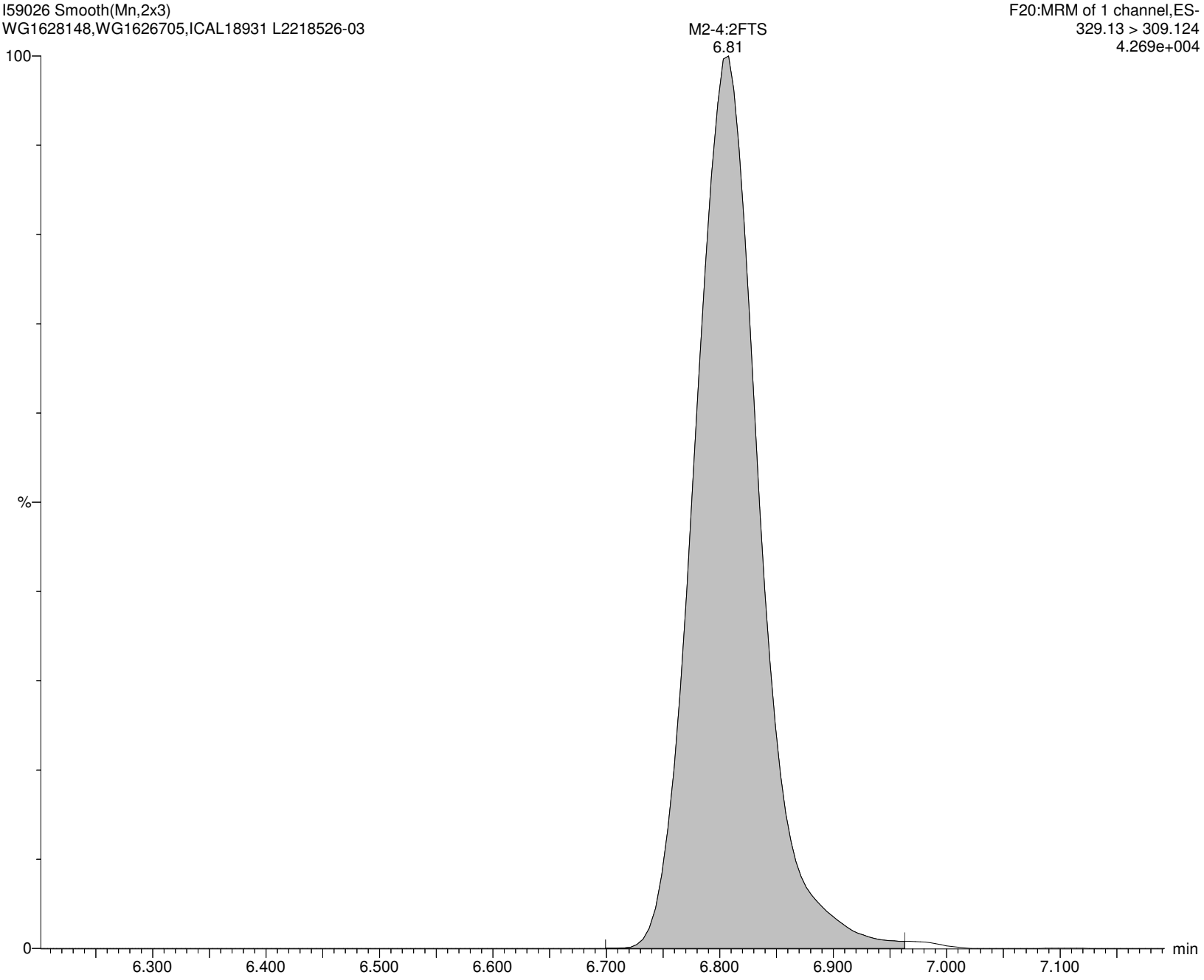


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M2-4:2FTS

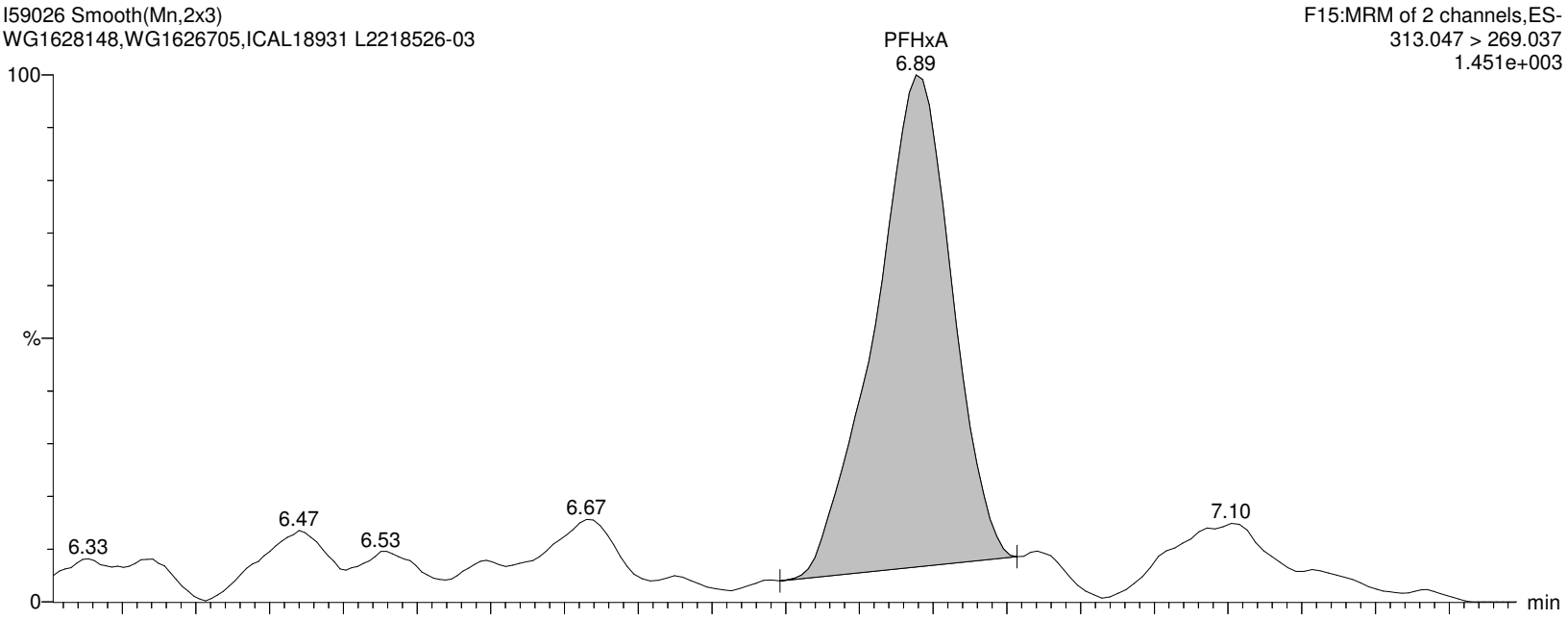


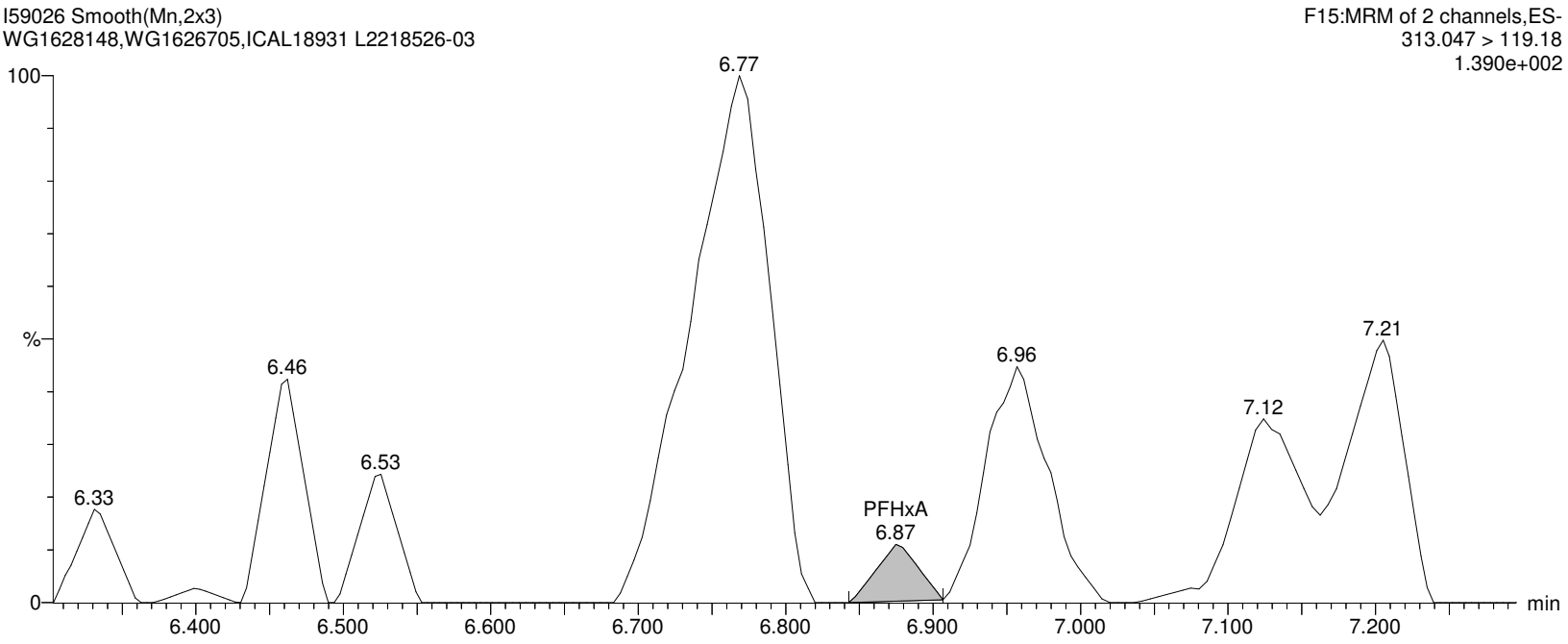
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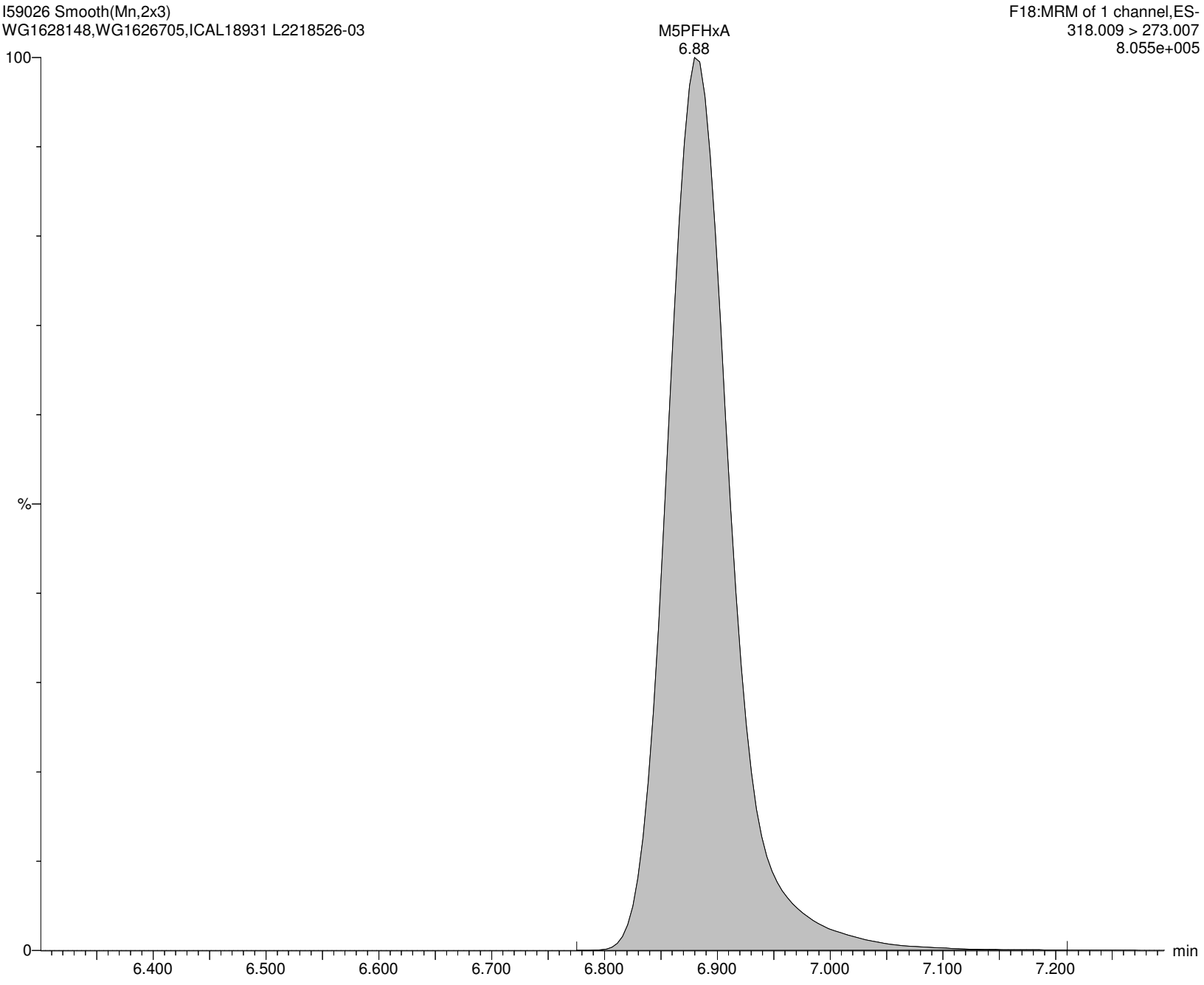


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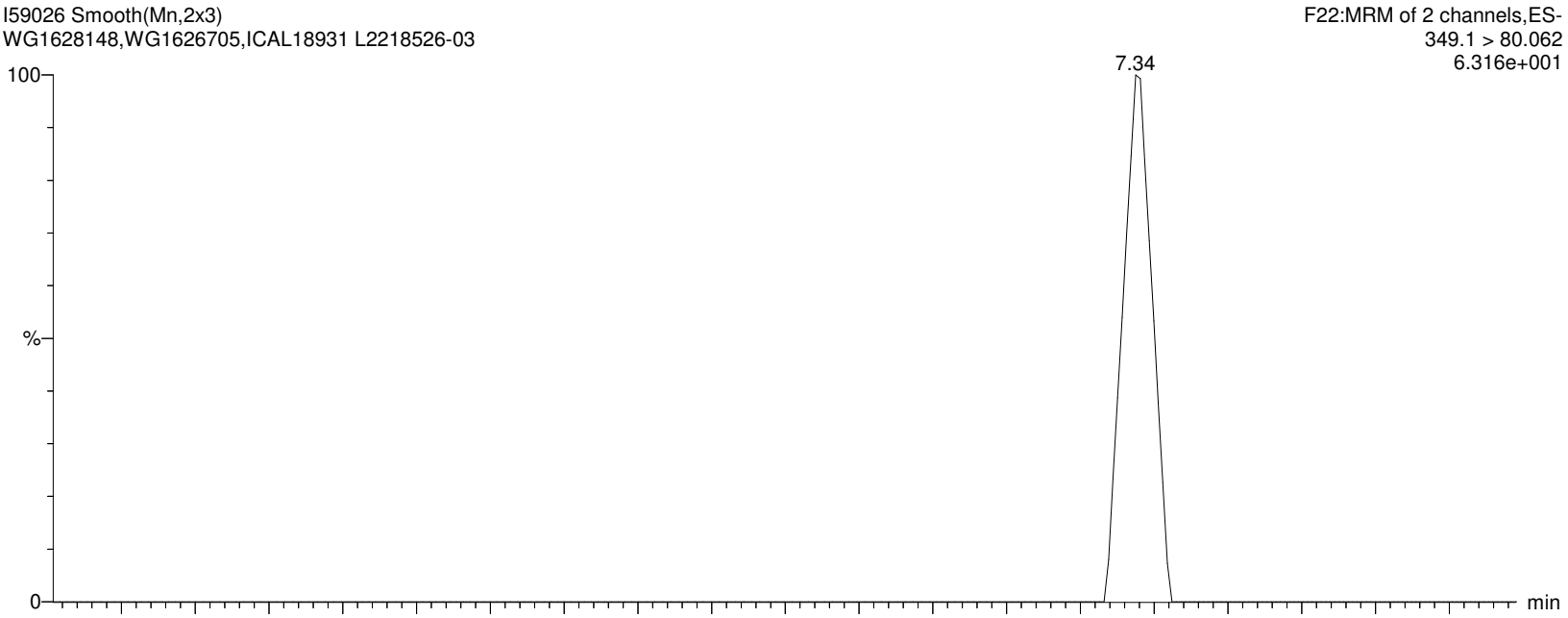


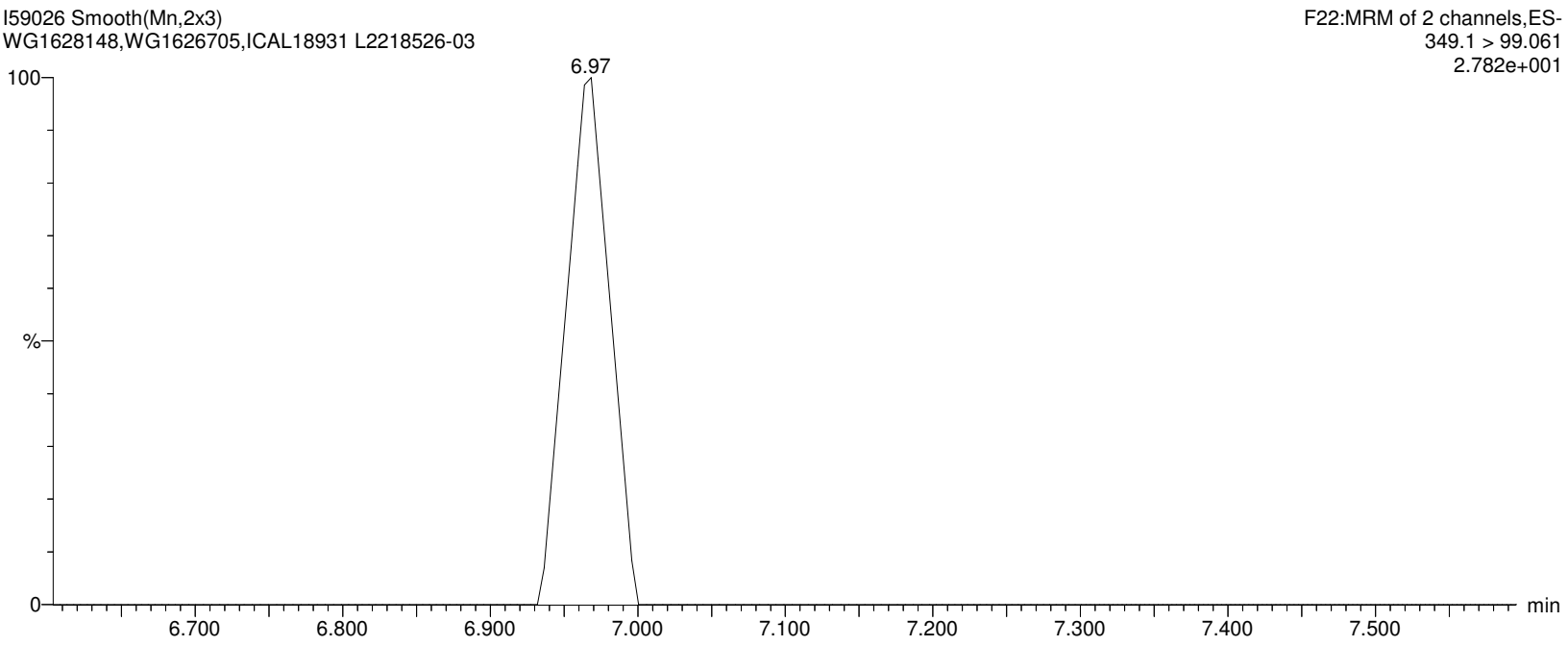
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PFPeS



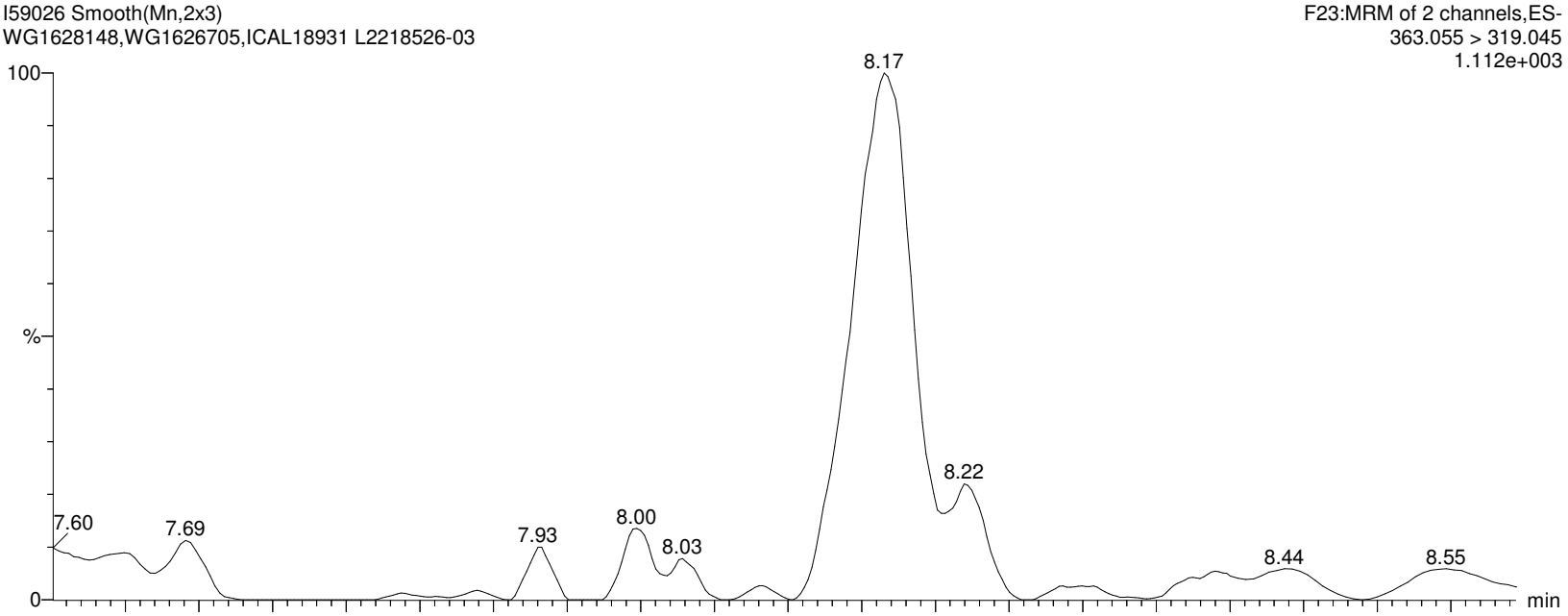


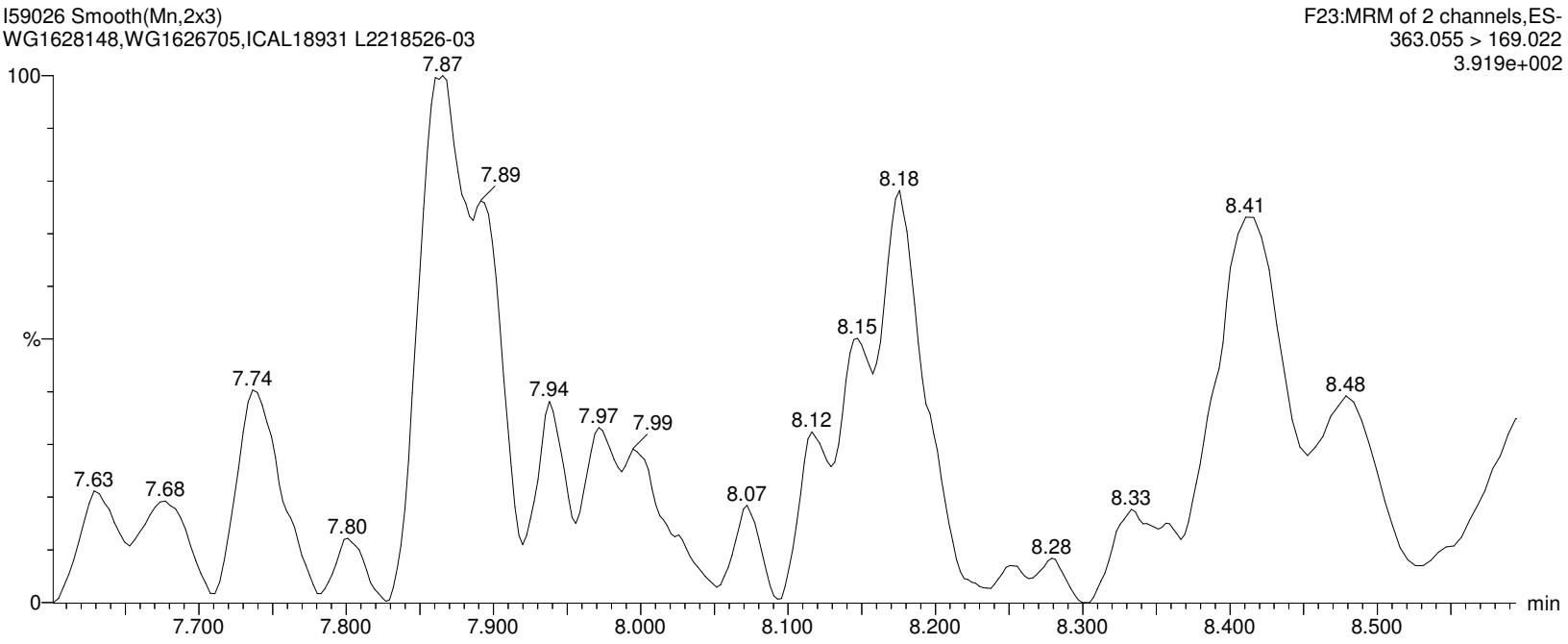
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:06 Eastern Daylight Time

Name: I59026
ID: L2218526-03
Date: 18-Apr-2022
Time: 00:28:13
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
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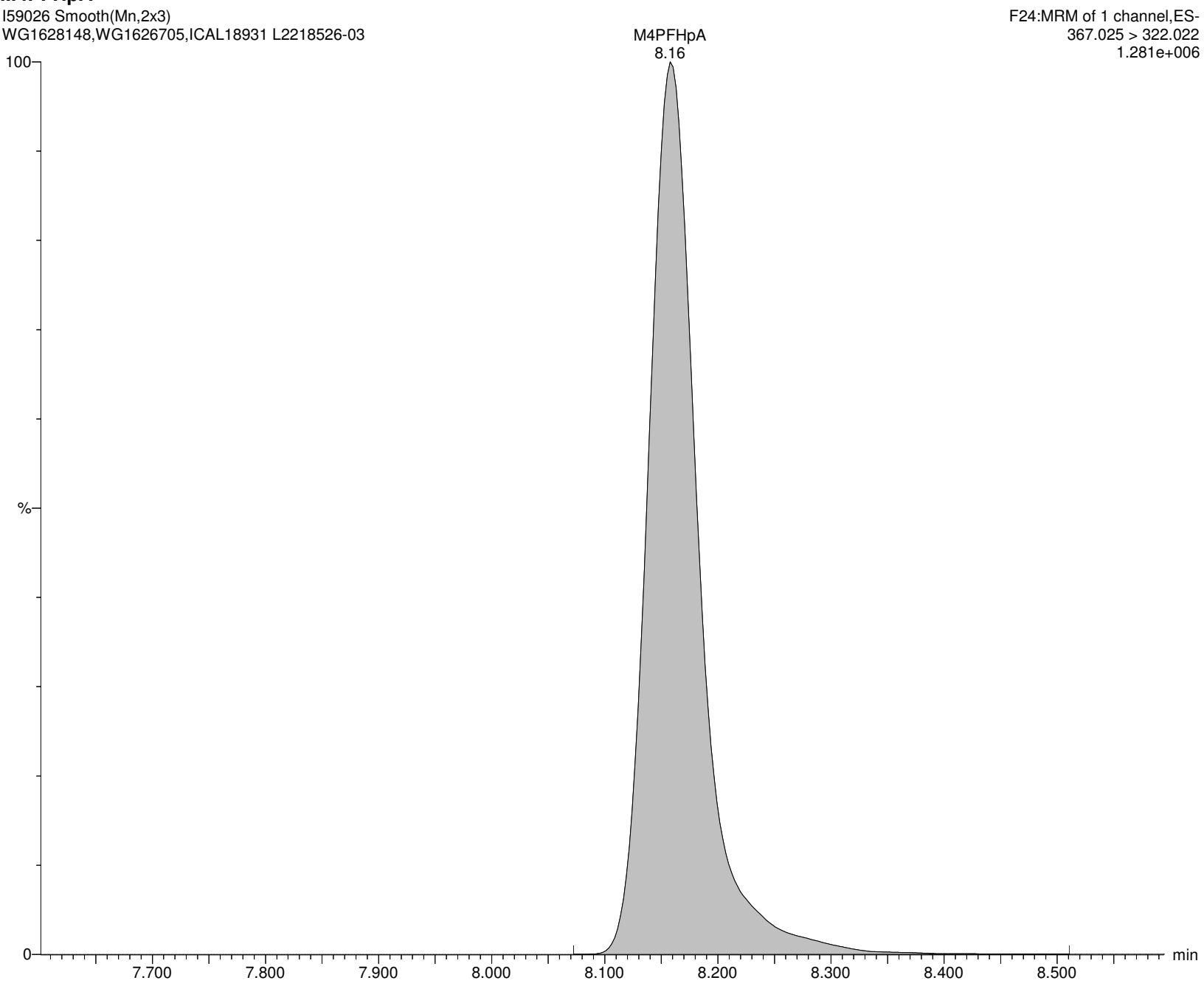


all concentration units in (ng/mL)

Alpha Analytical Inc.
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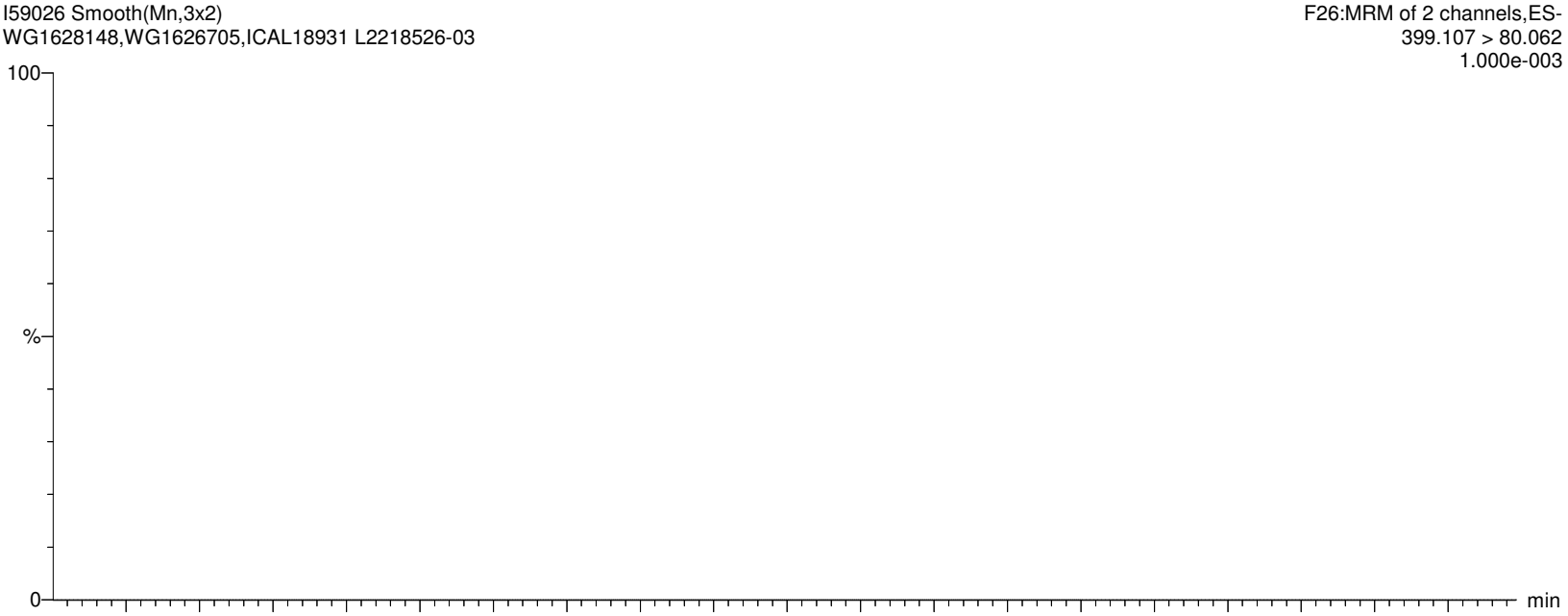


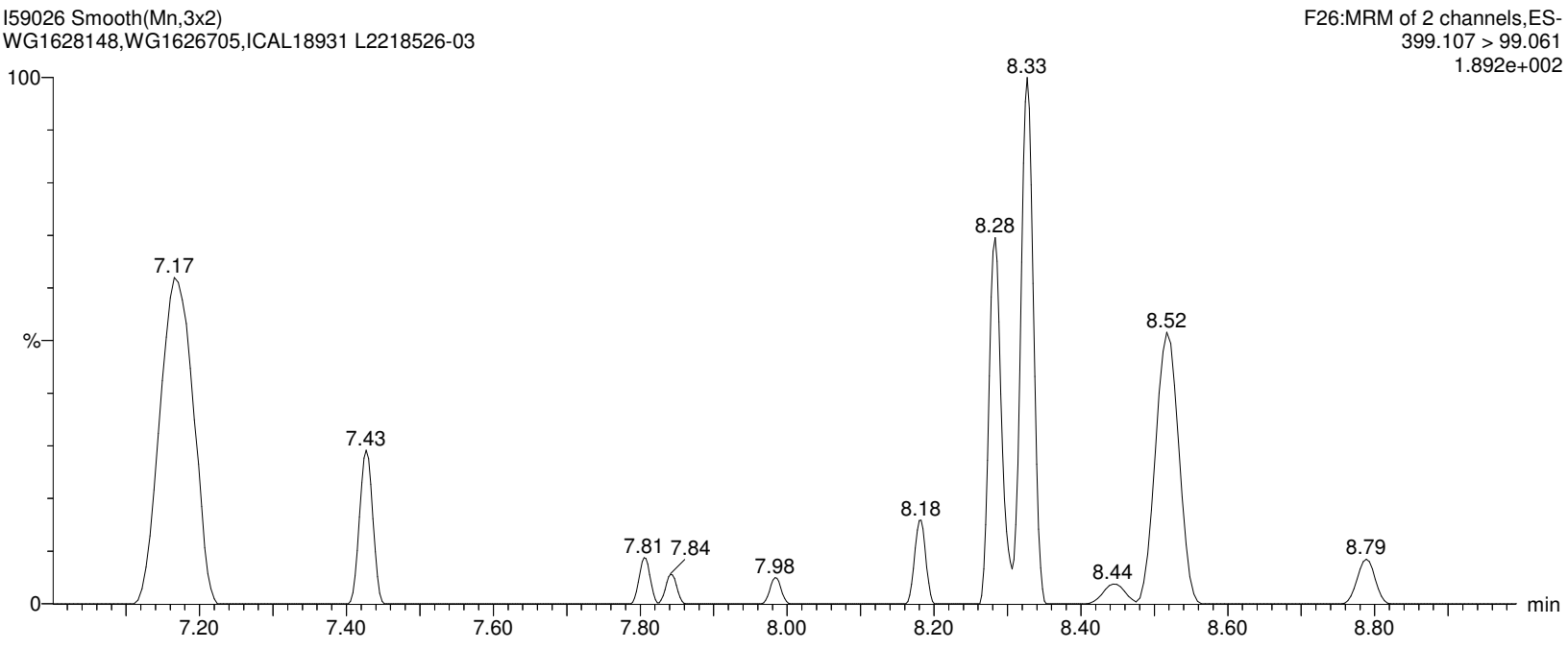
all concentration units in (ng/mL)

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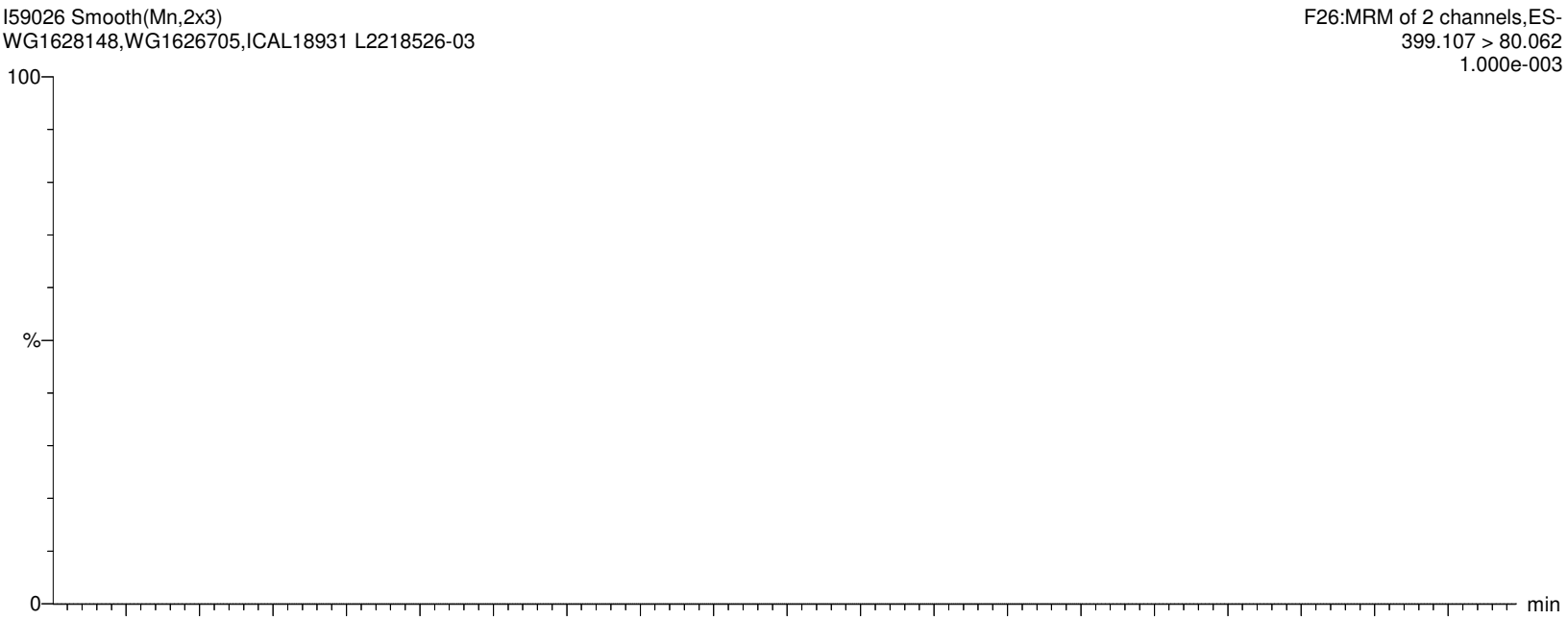


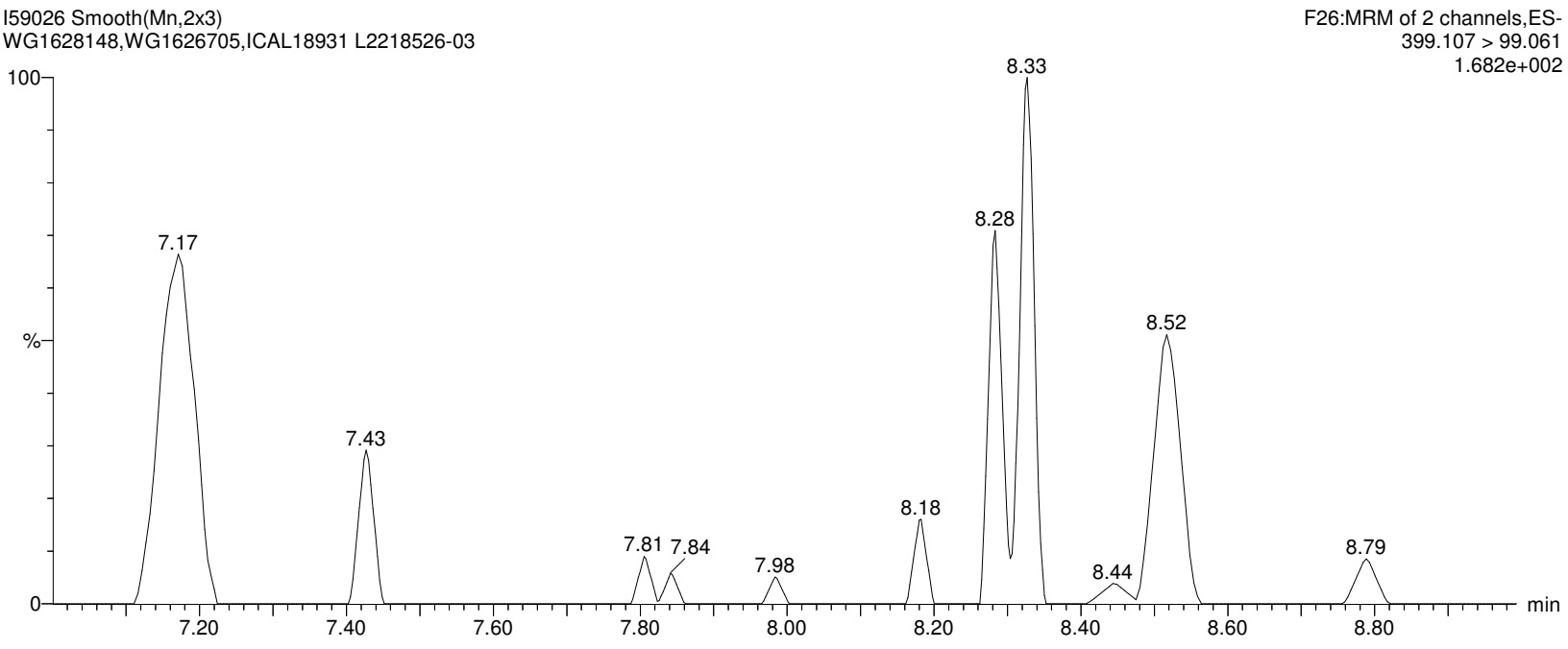
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS



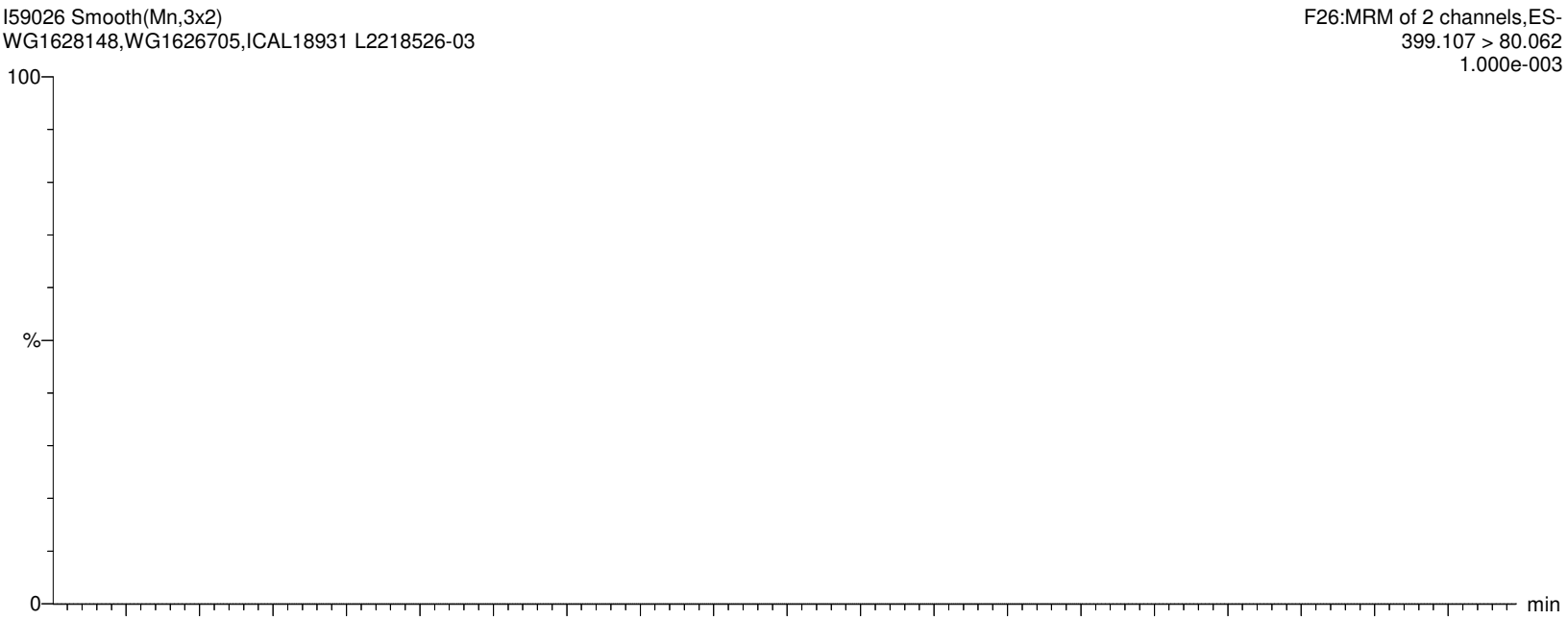


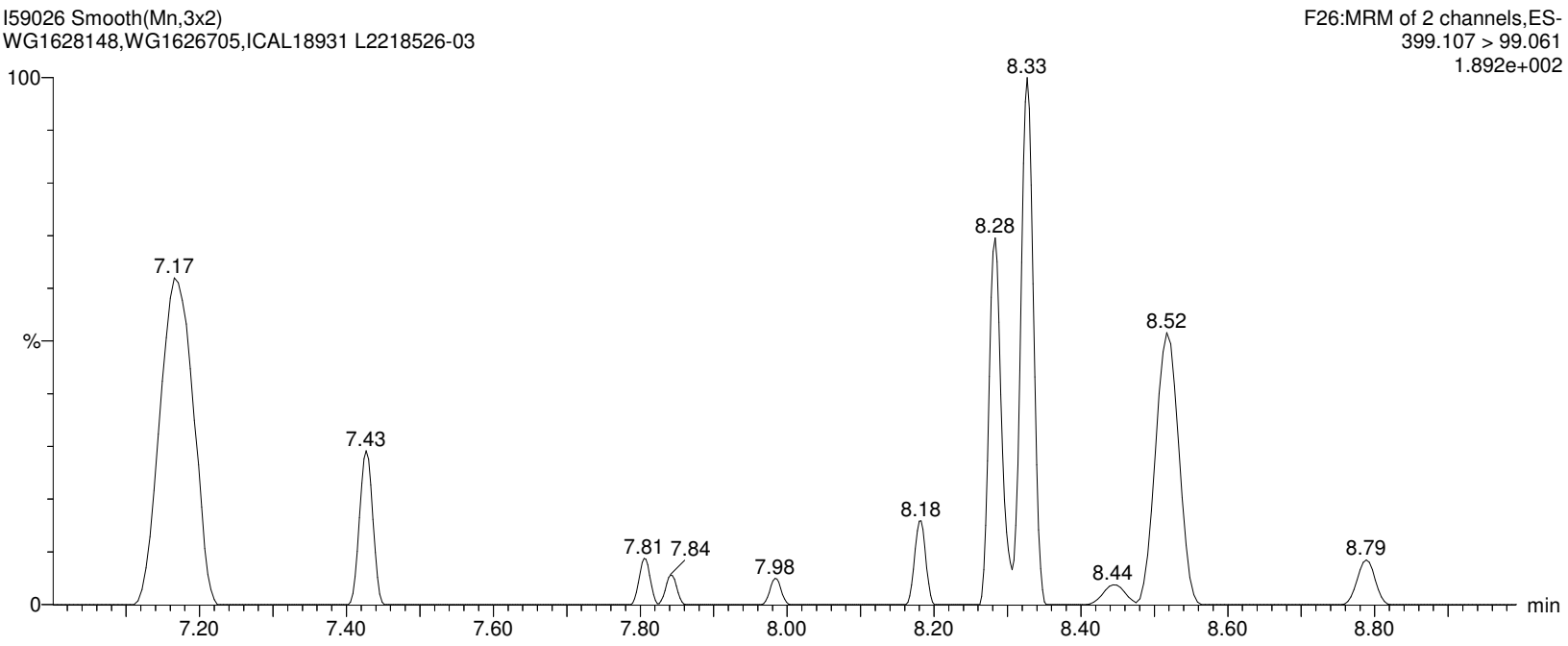
all concentration units in (ng/mL)

Alpha Analytical Inc.
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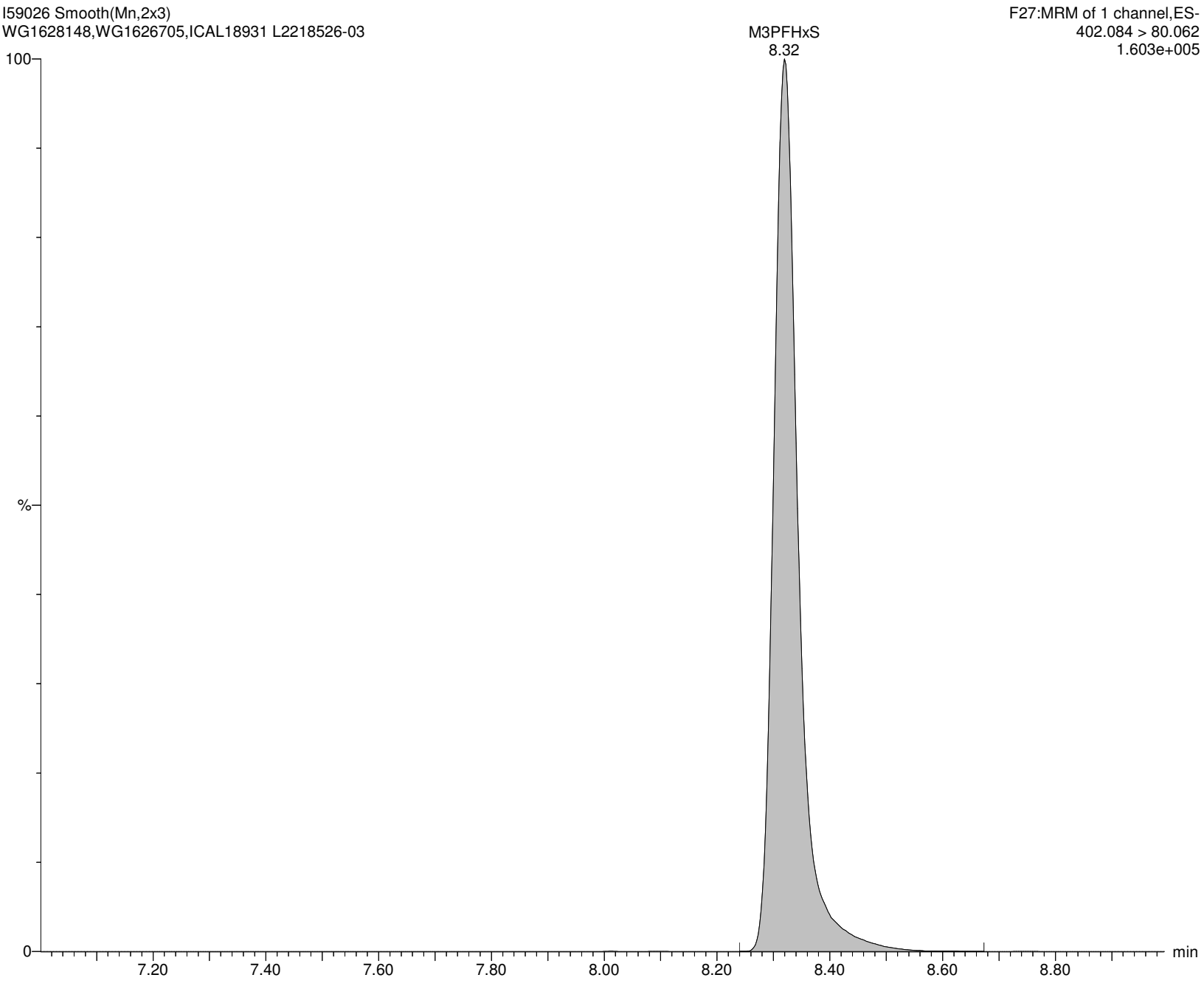


all concentration units in (ng/mL)

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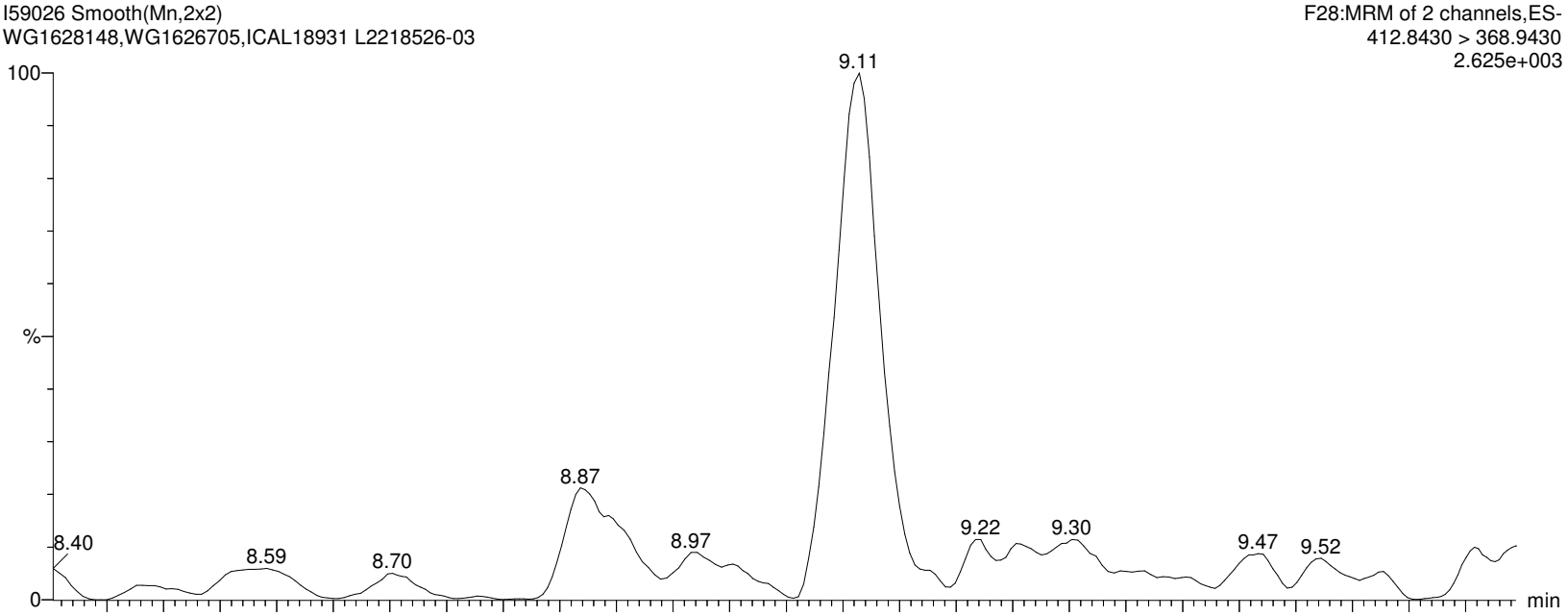


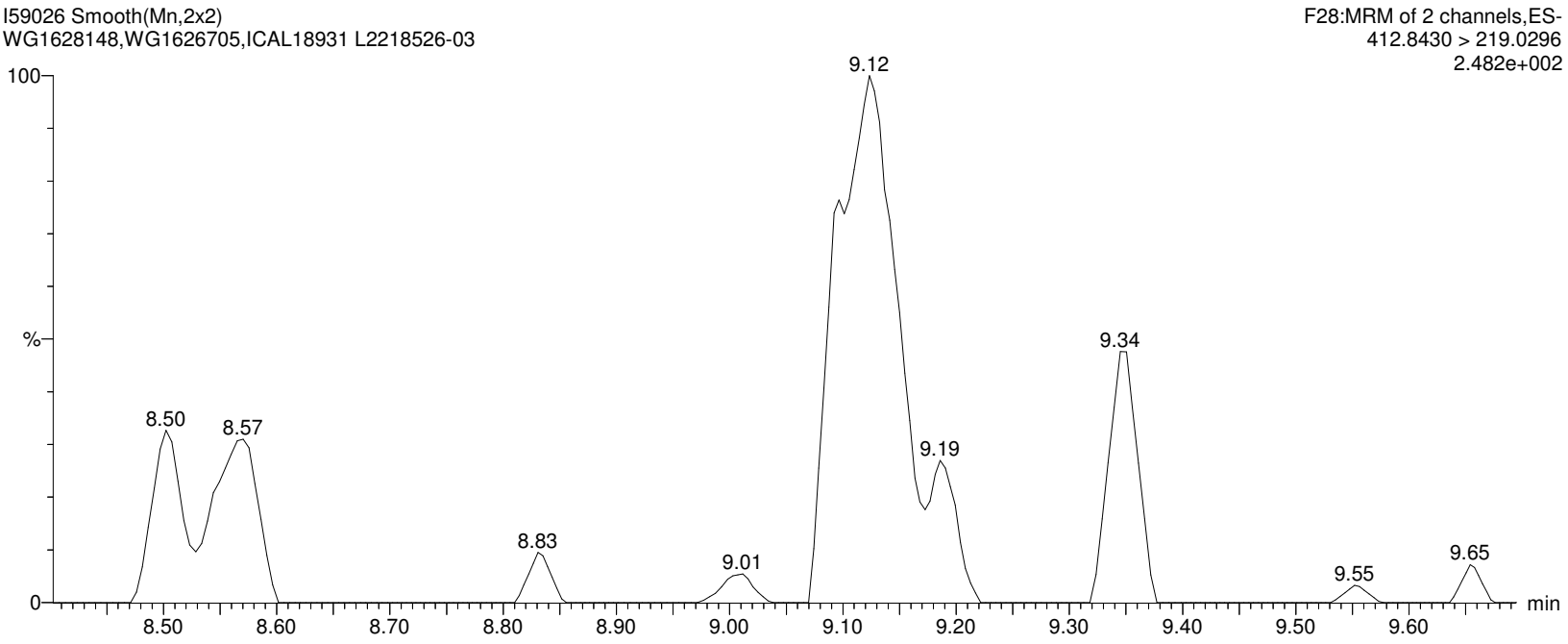
all concentration units in (ng/mL)

Alpha Analytical Inc.
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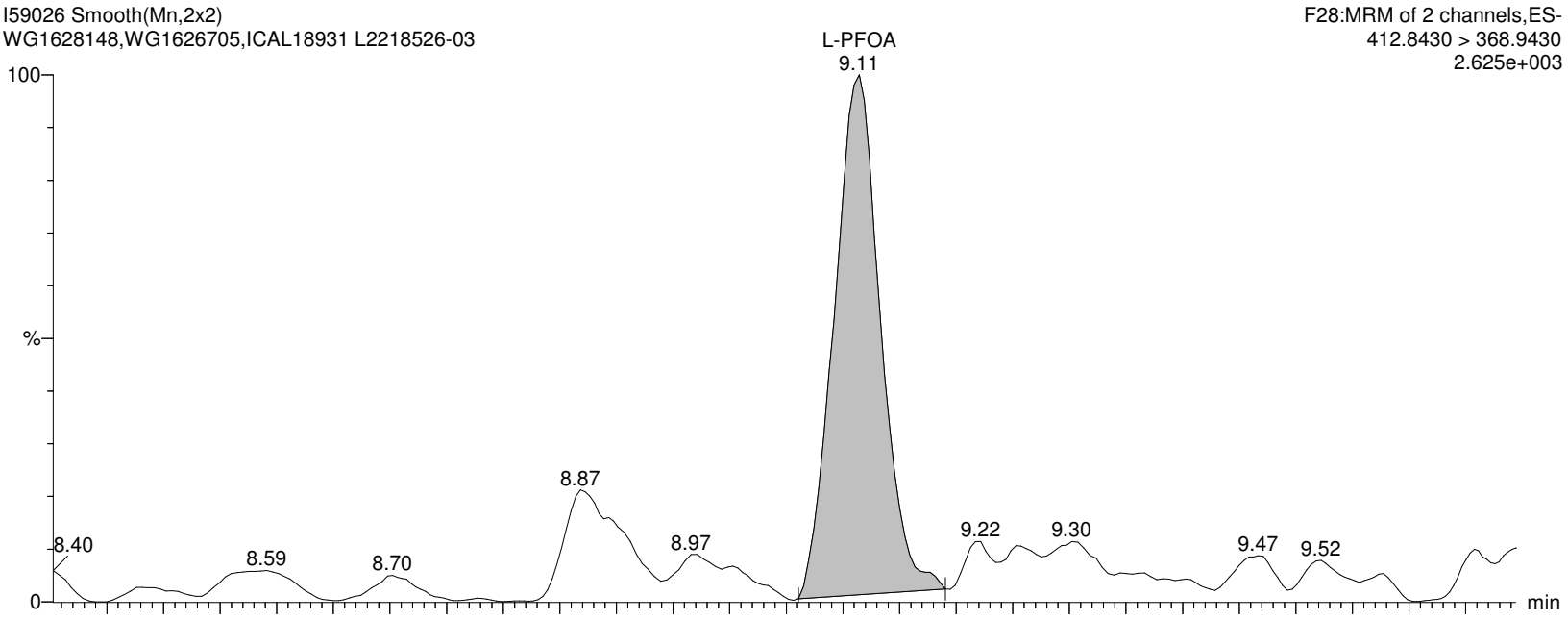


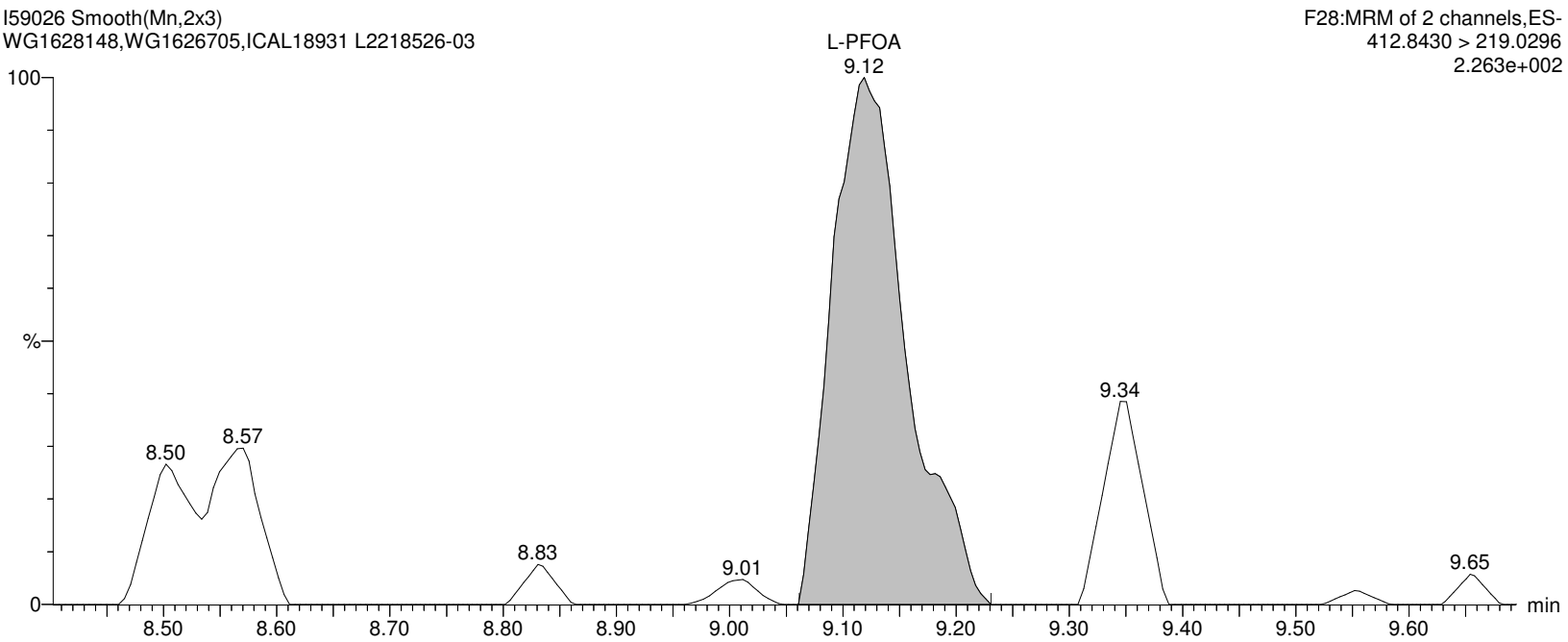
all concentration units in (ng/mL)

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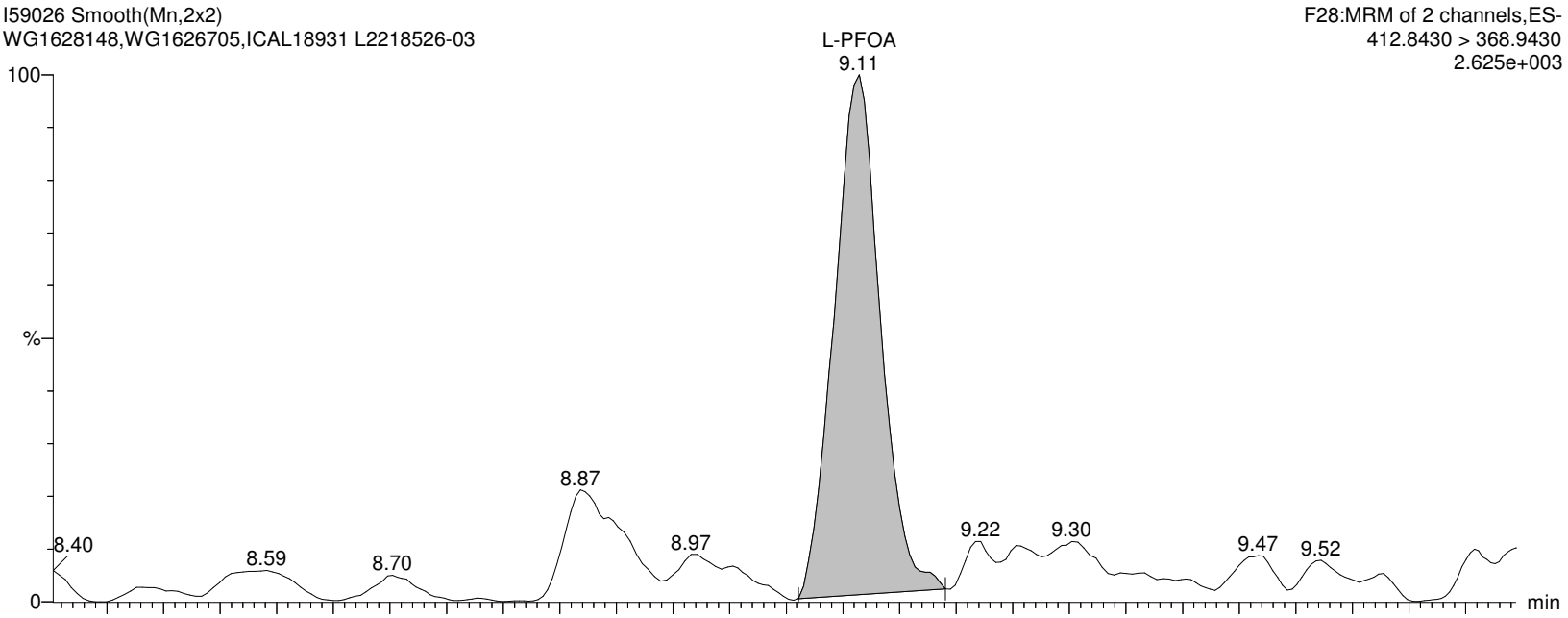


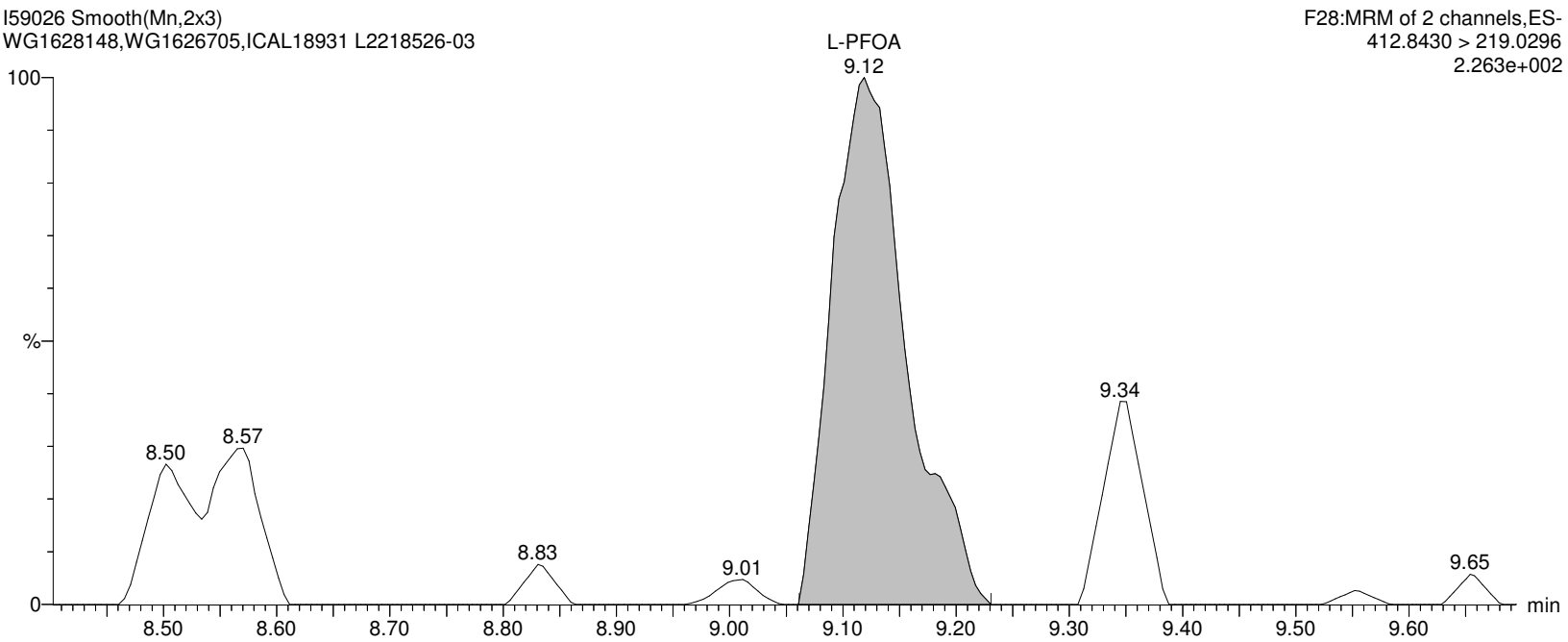
all concentration units in (ng/mL)

Alpha Analytical Inc.
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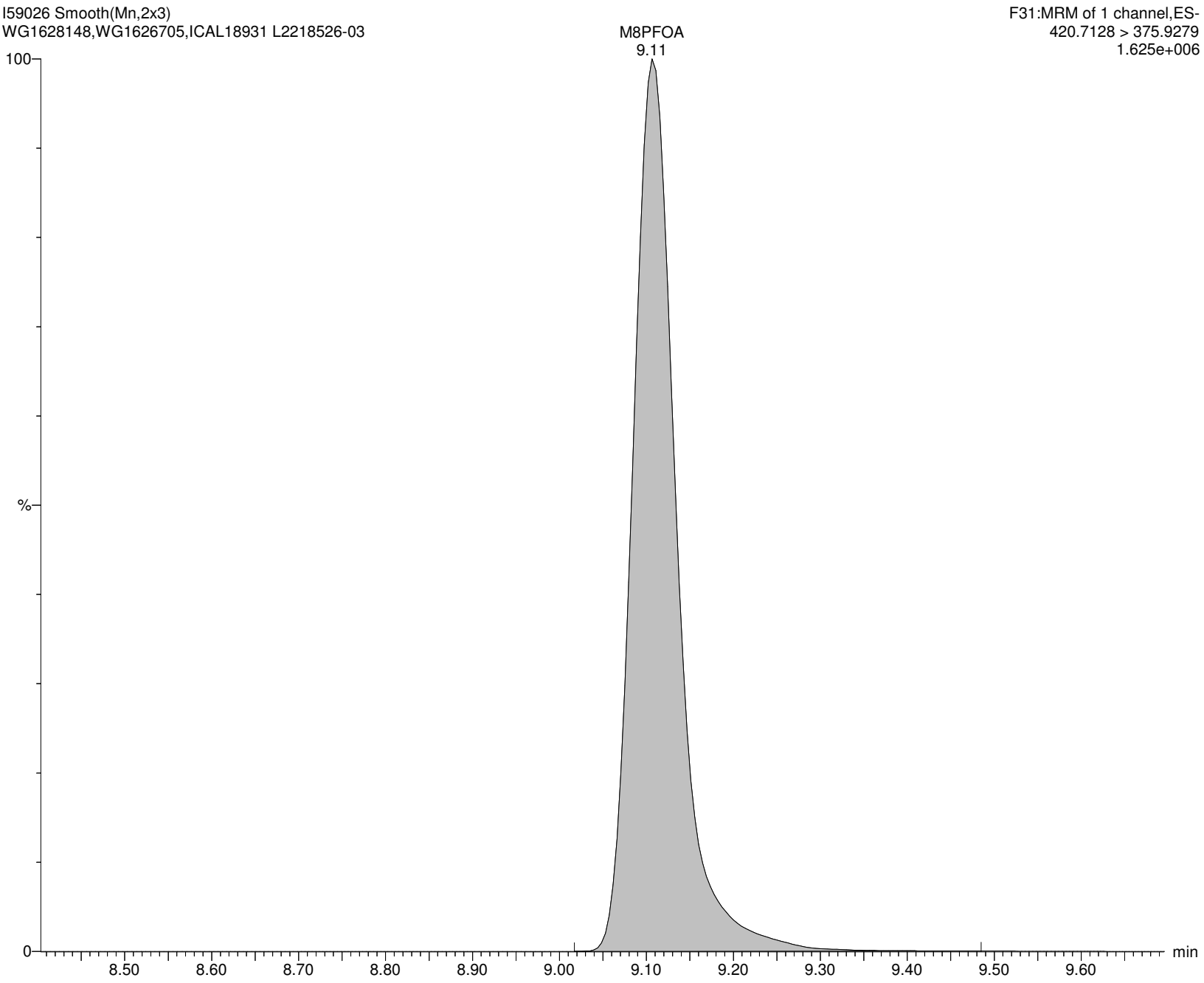


all concentration units in (ng/mL)

Alpha Analytical Inc.
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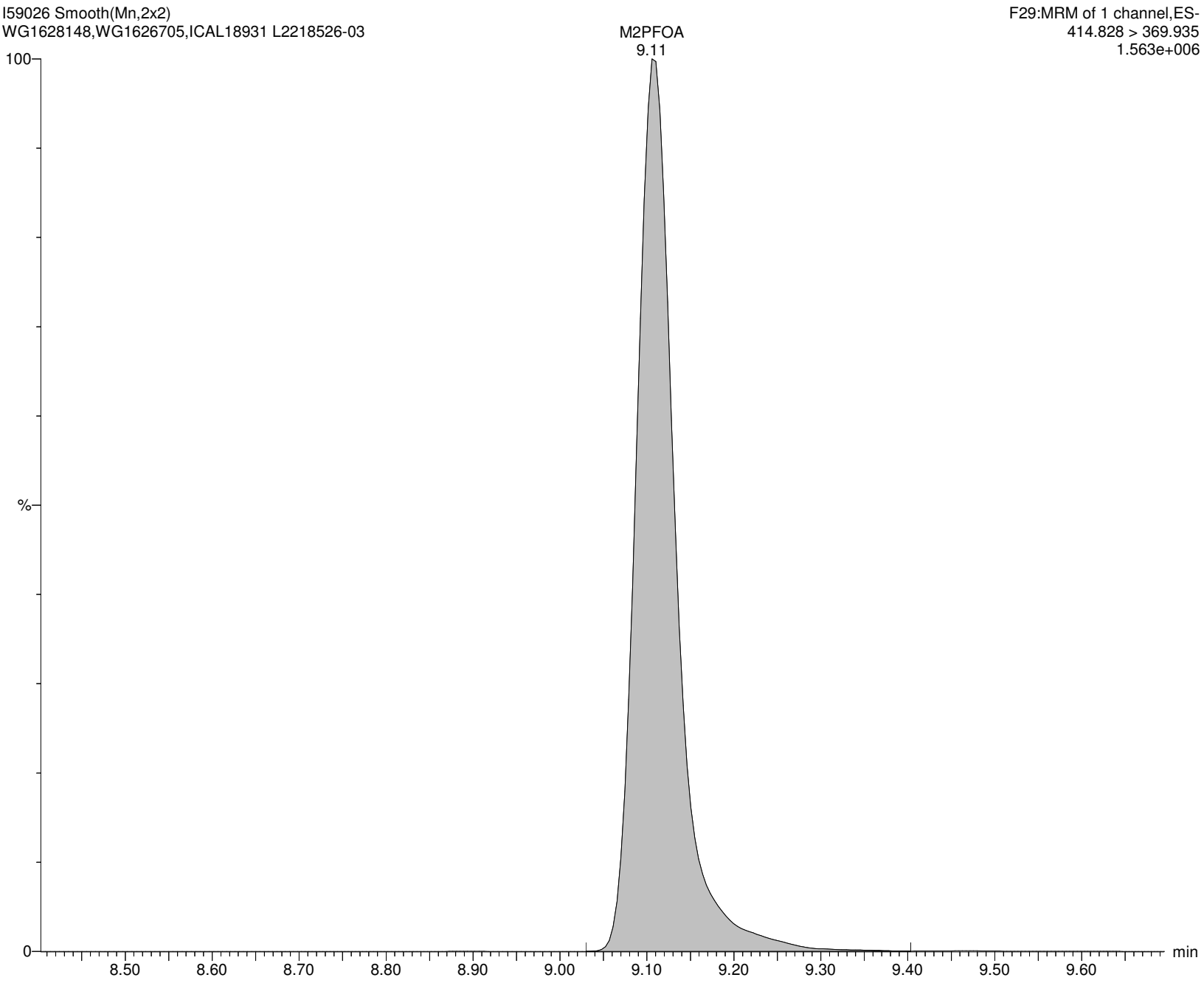


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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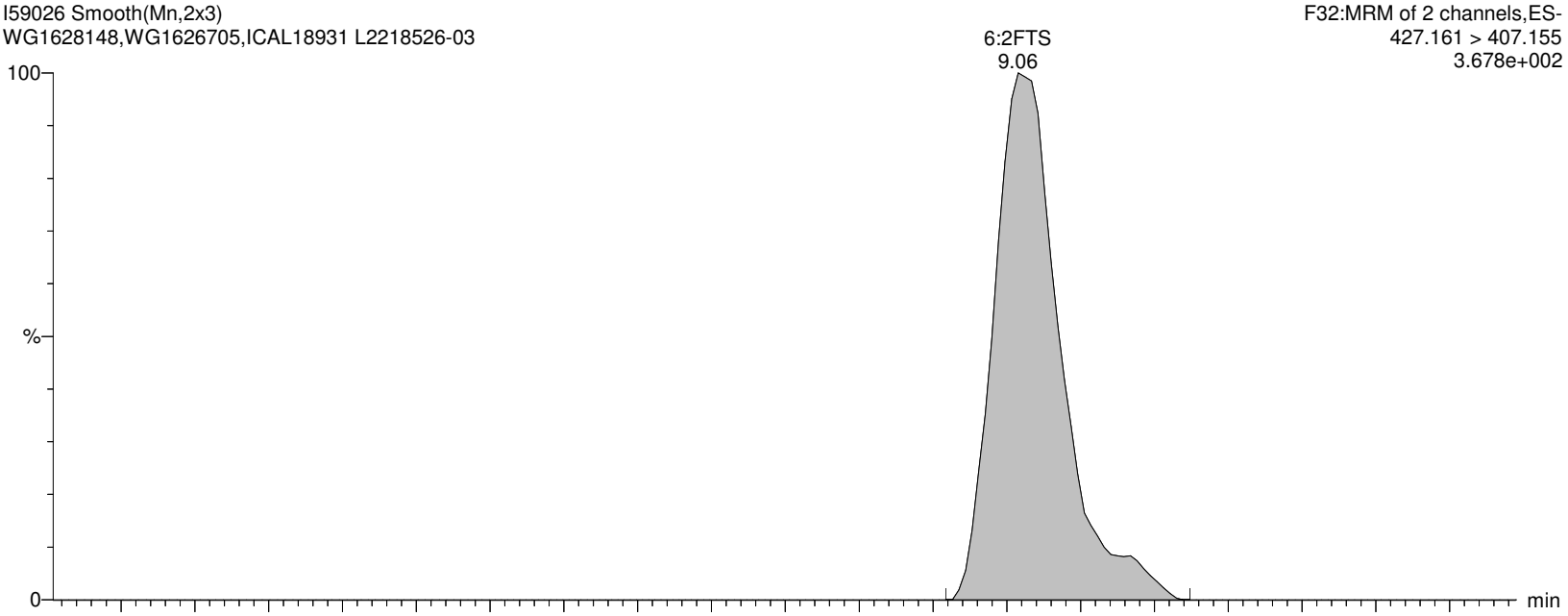


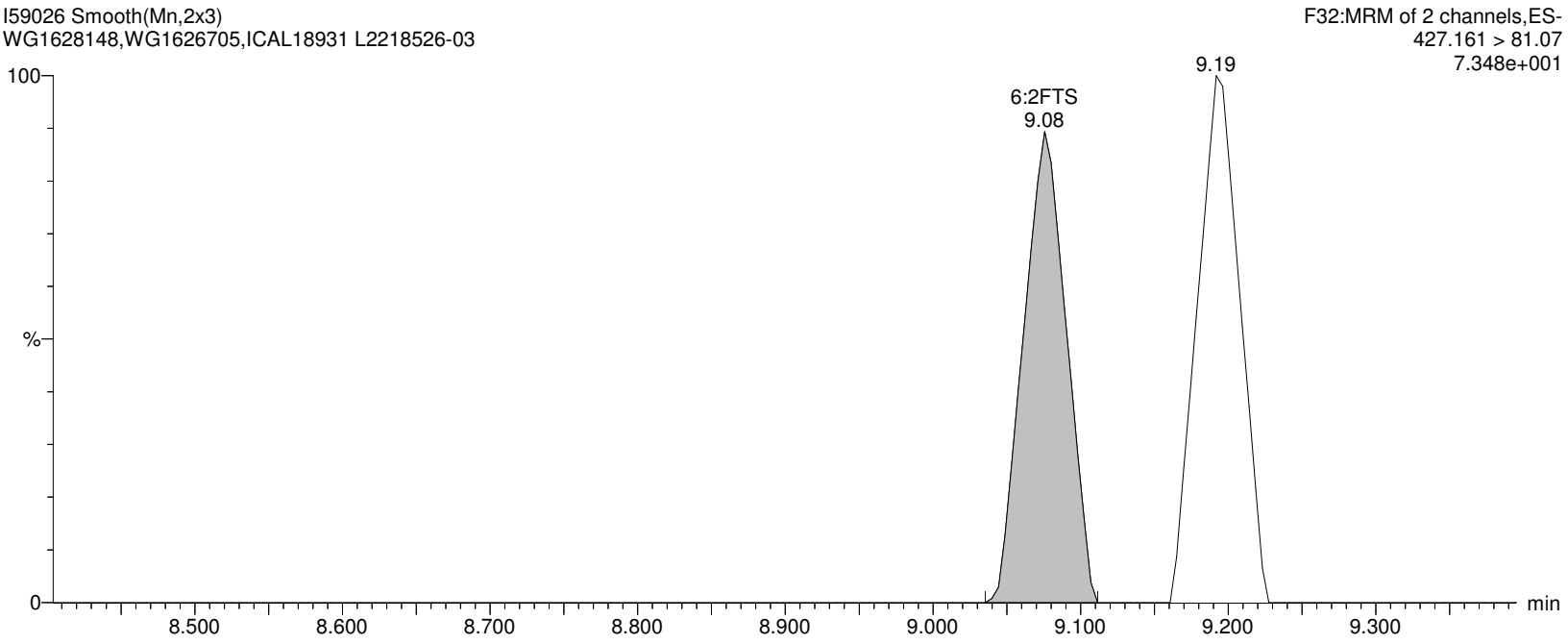
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



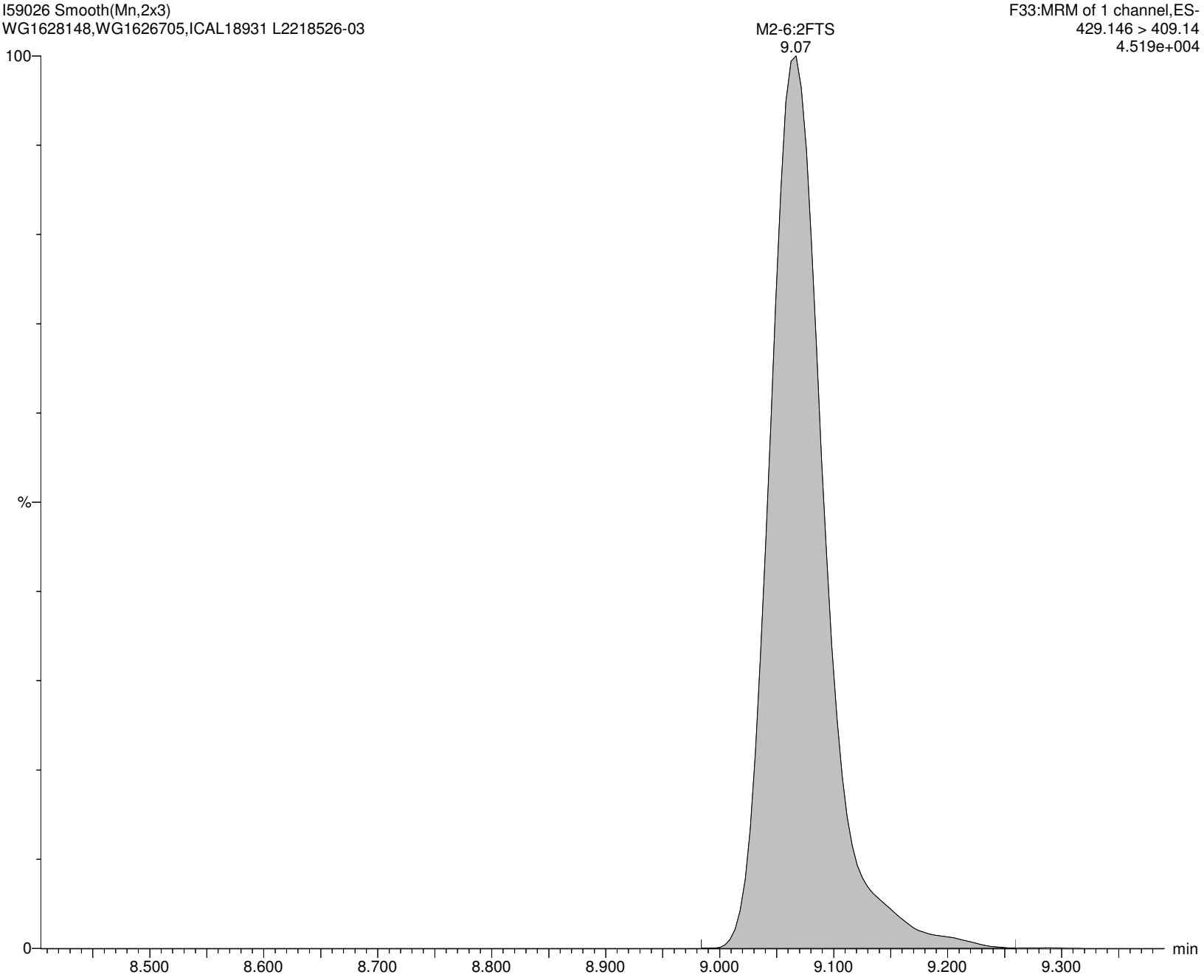


all concentration units in (ng/mL)

Alpha Analytical Inc.
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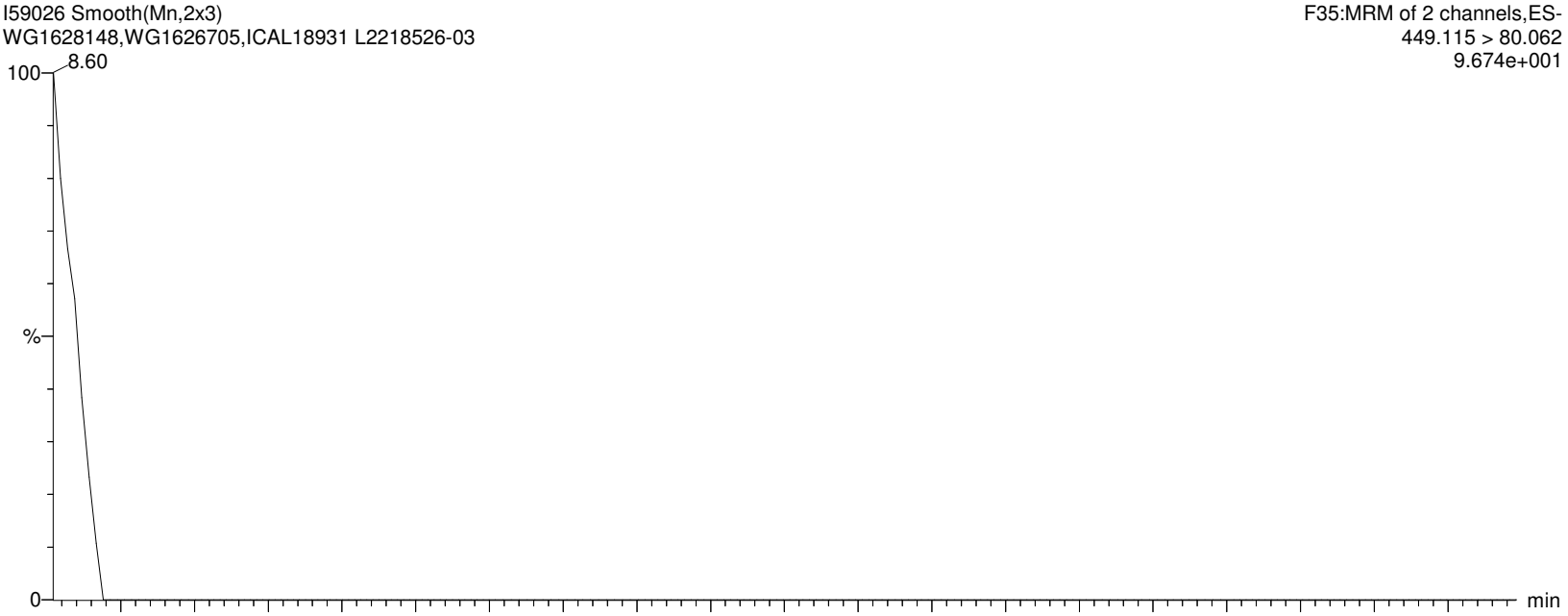


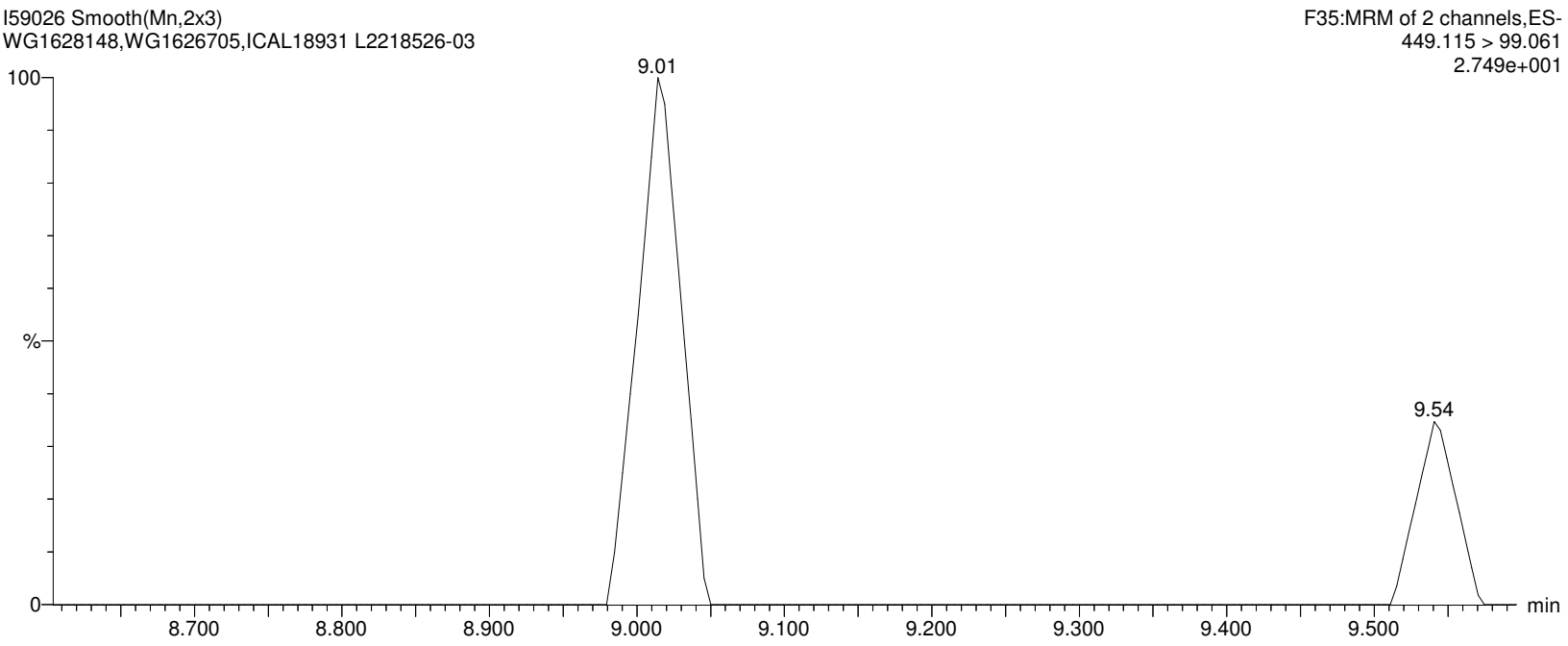
all concentration units in (ng/mL)

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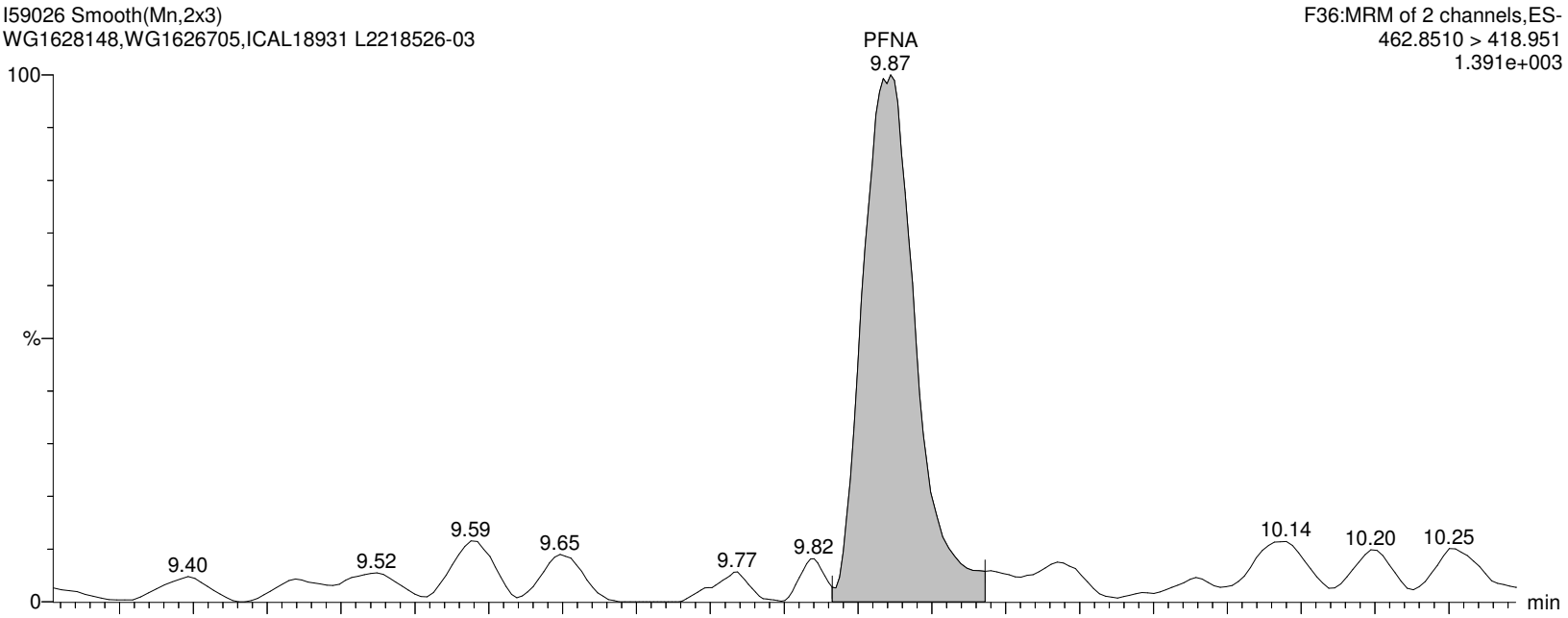


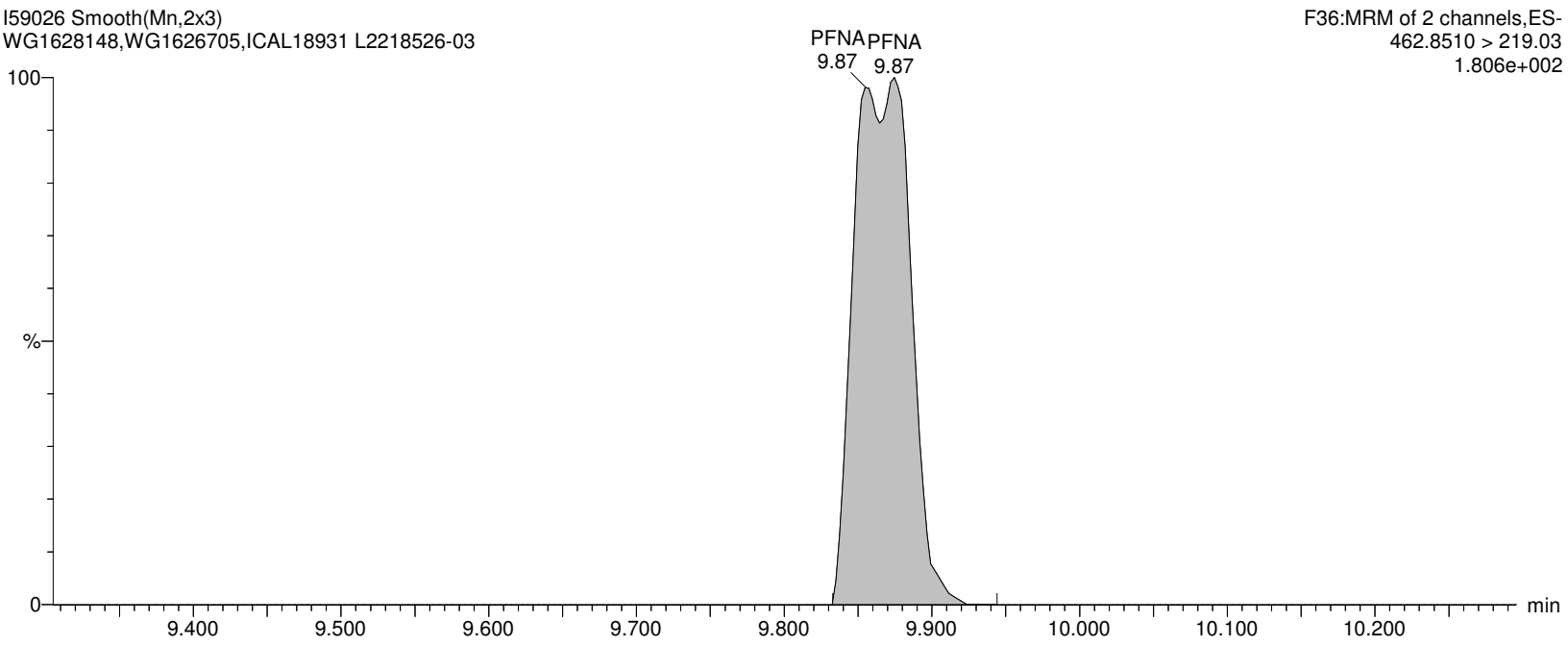
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PFNA



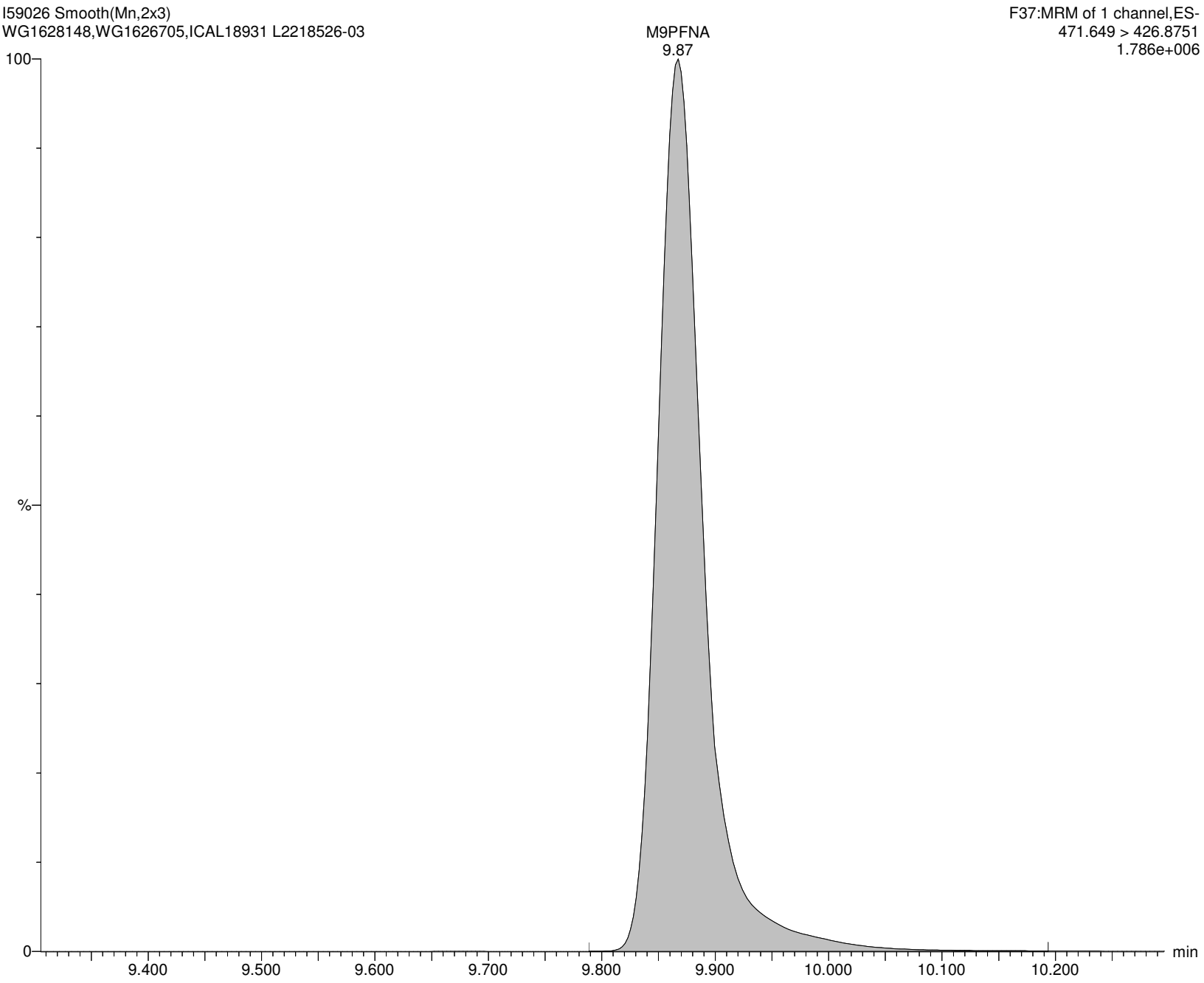


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:06 Eastern Daylight Time

Name: I59026
ID: L2218526-03
Date: 18-Apr-2022
Time: 00:28:13
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
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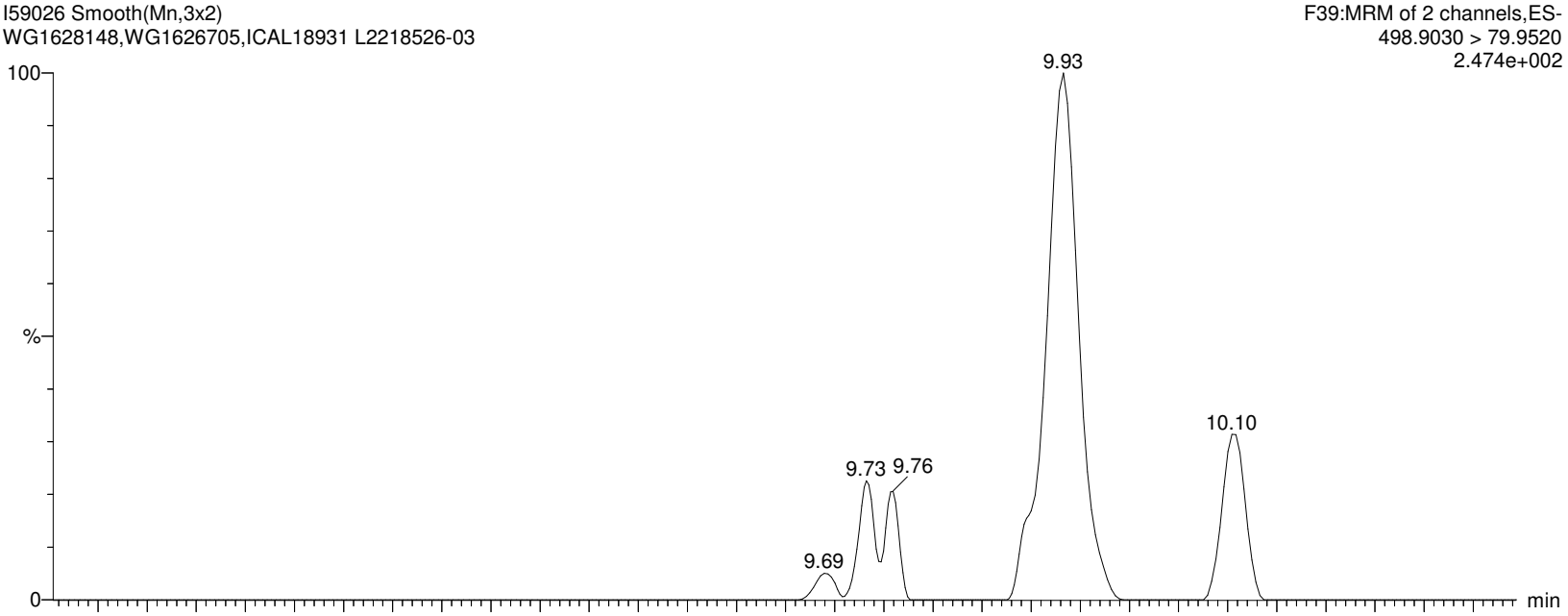


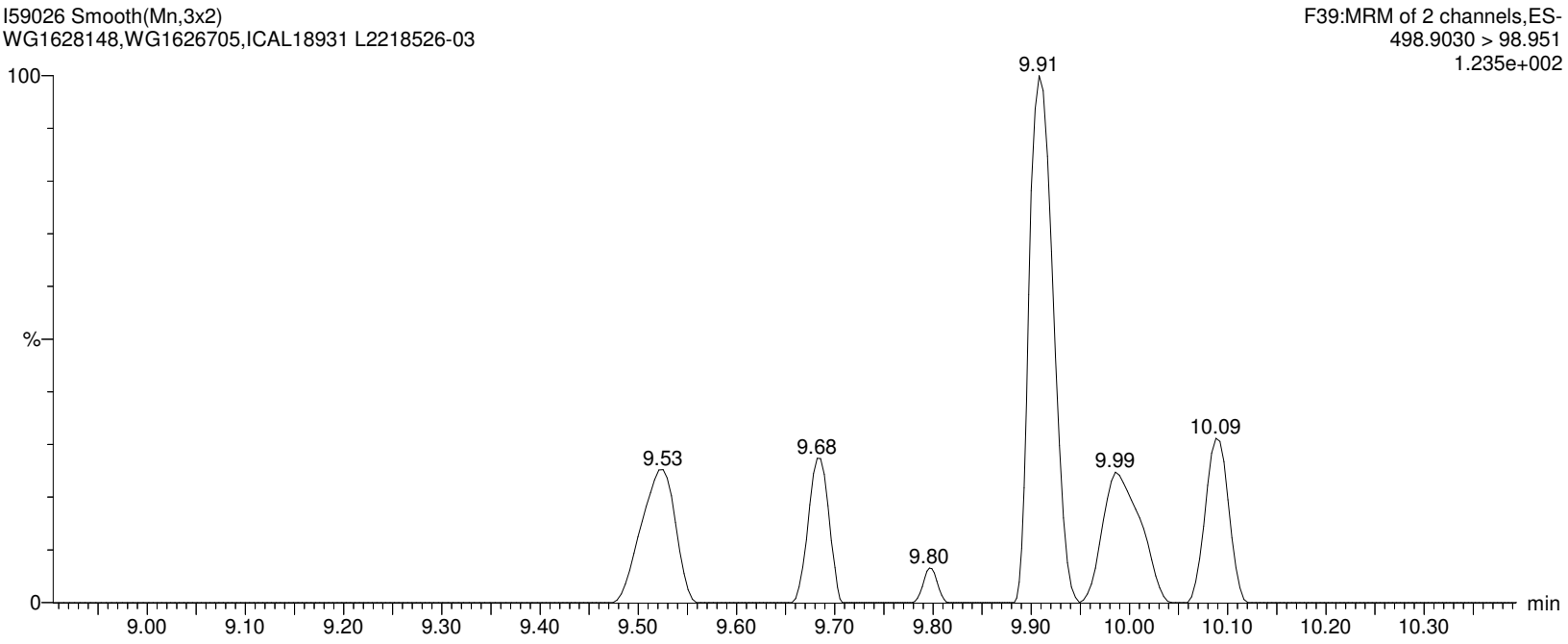
all concentration units in (ng/mL)

Alpha Analytical Inc.
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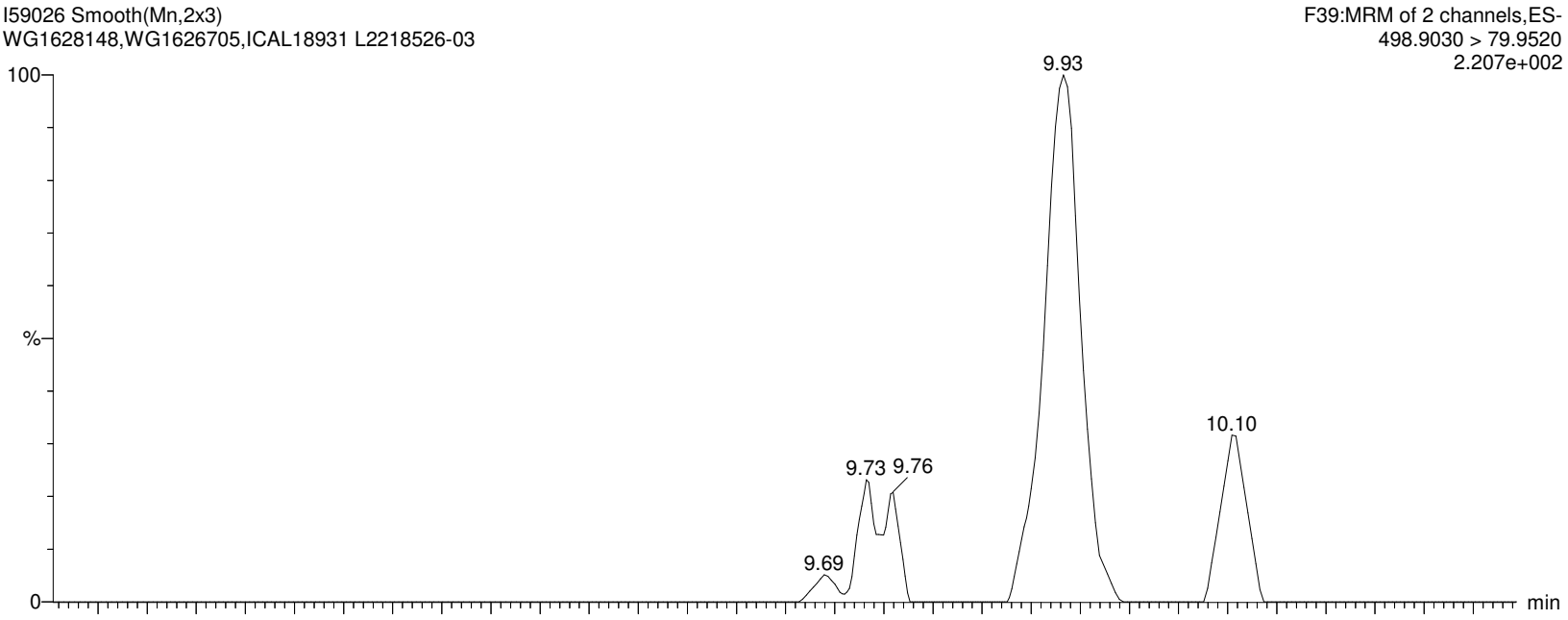


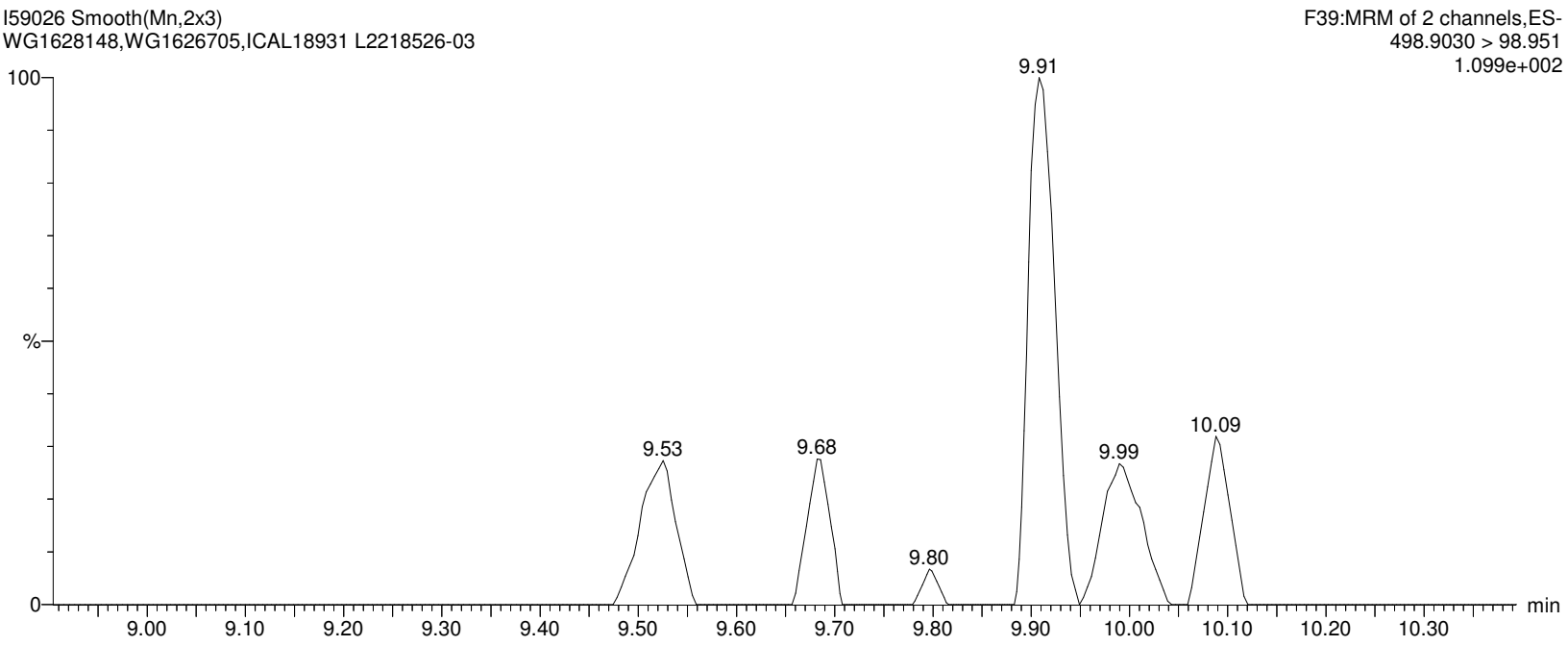
all concentration units in (ng/mL)

Alpha Analytical Inc.
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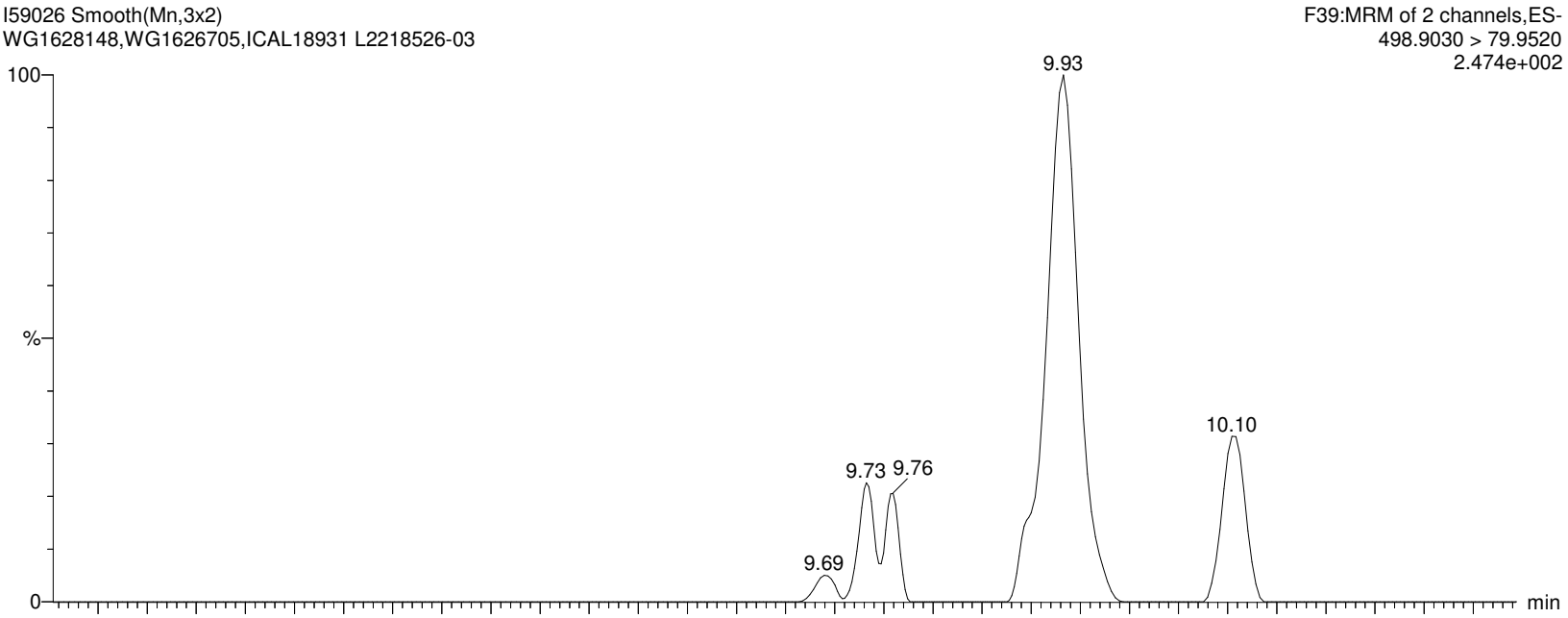


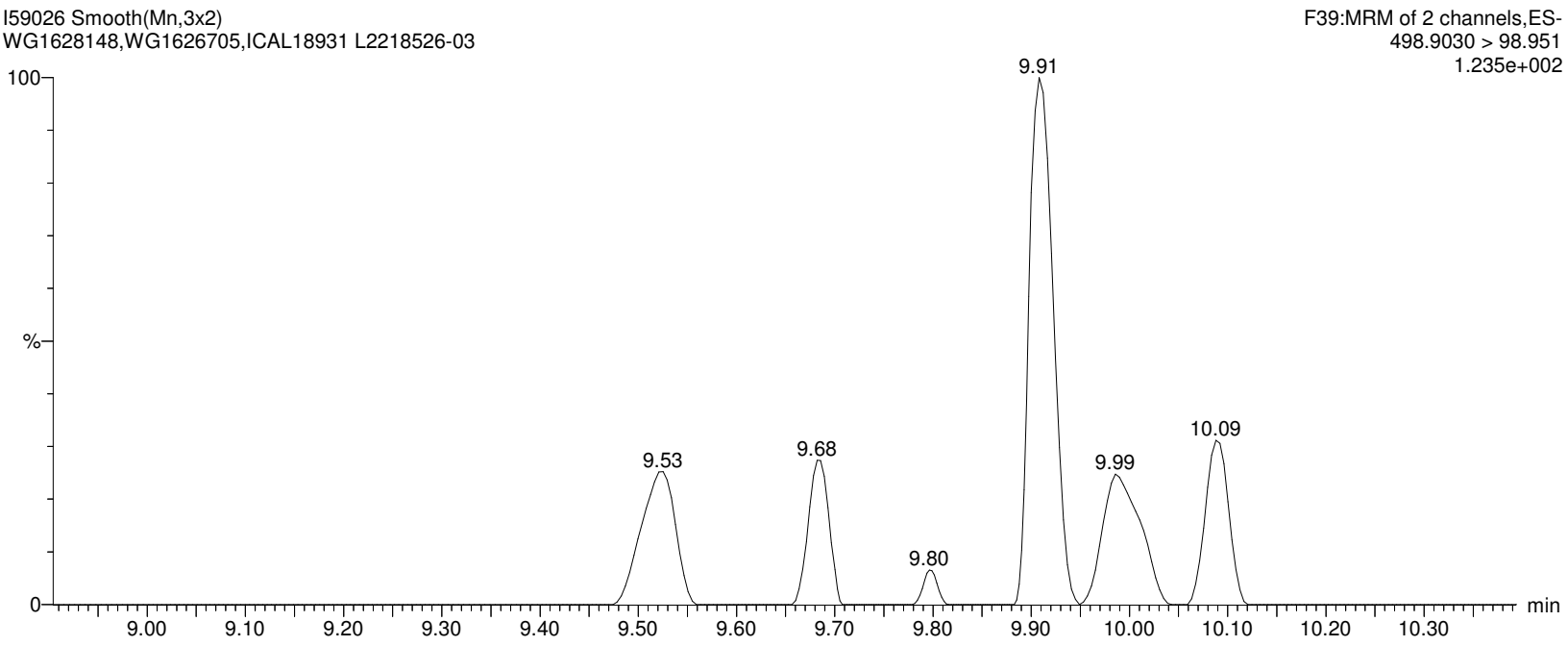
all concentration units in (ng/mL)

Alpha Analytical Inc.
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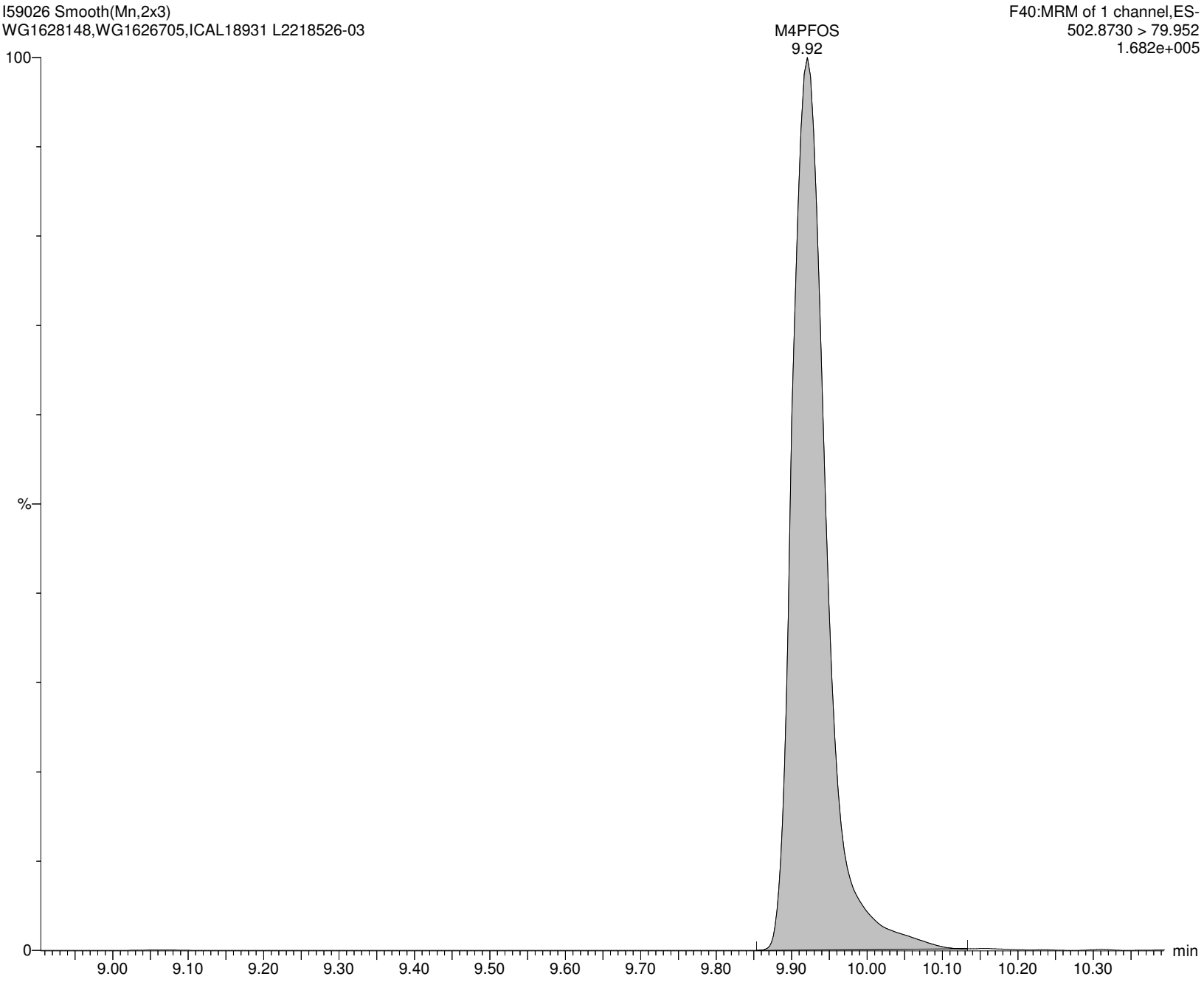


all concentration units in (ng/mL)

Alpha Analytical Inc.
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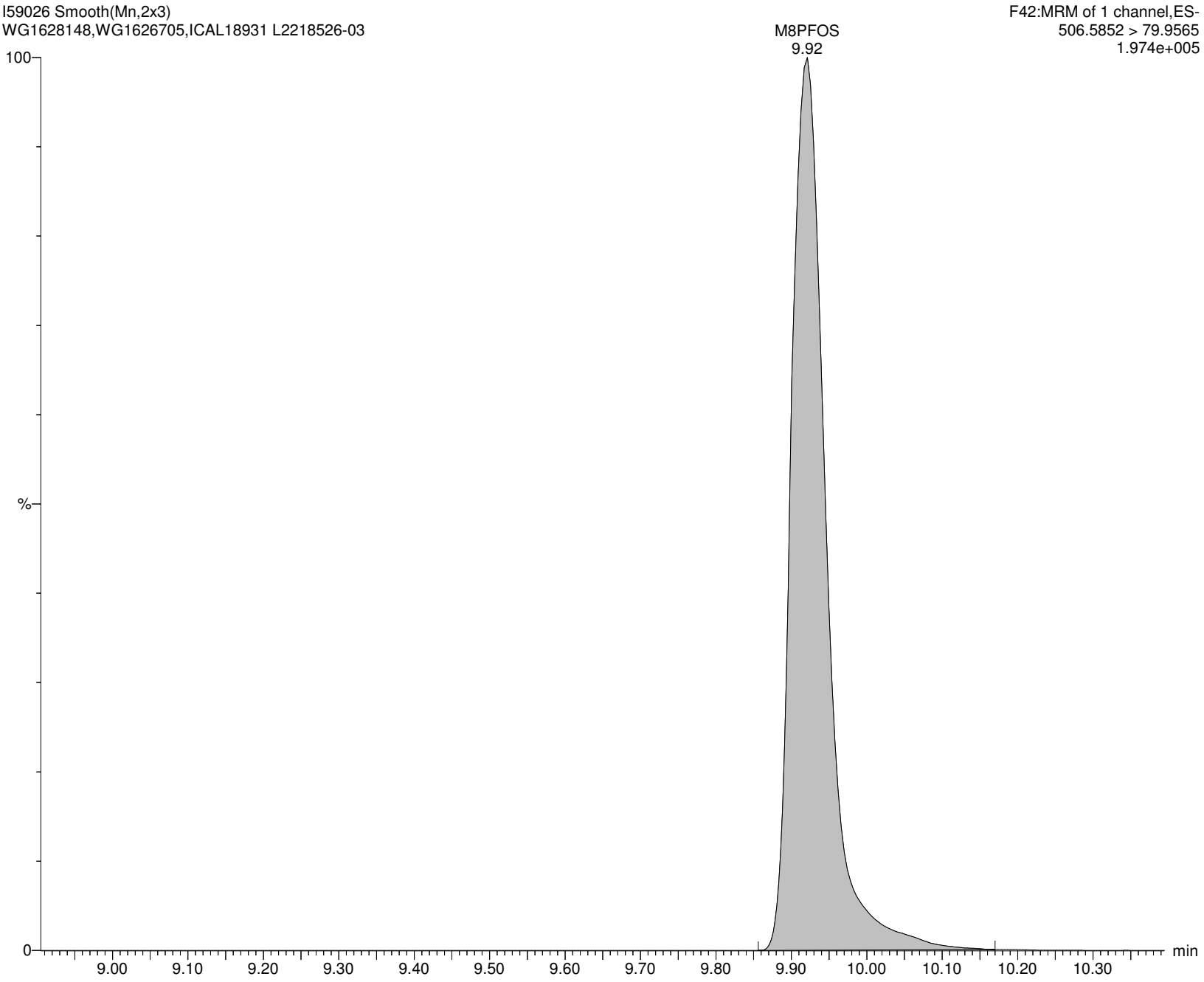


all concentration units in (ng/mL)

Alpha Analytical Inc.
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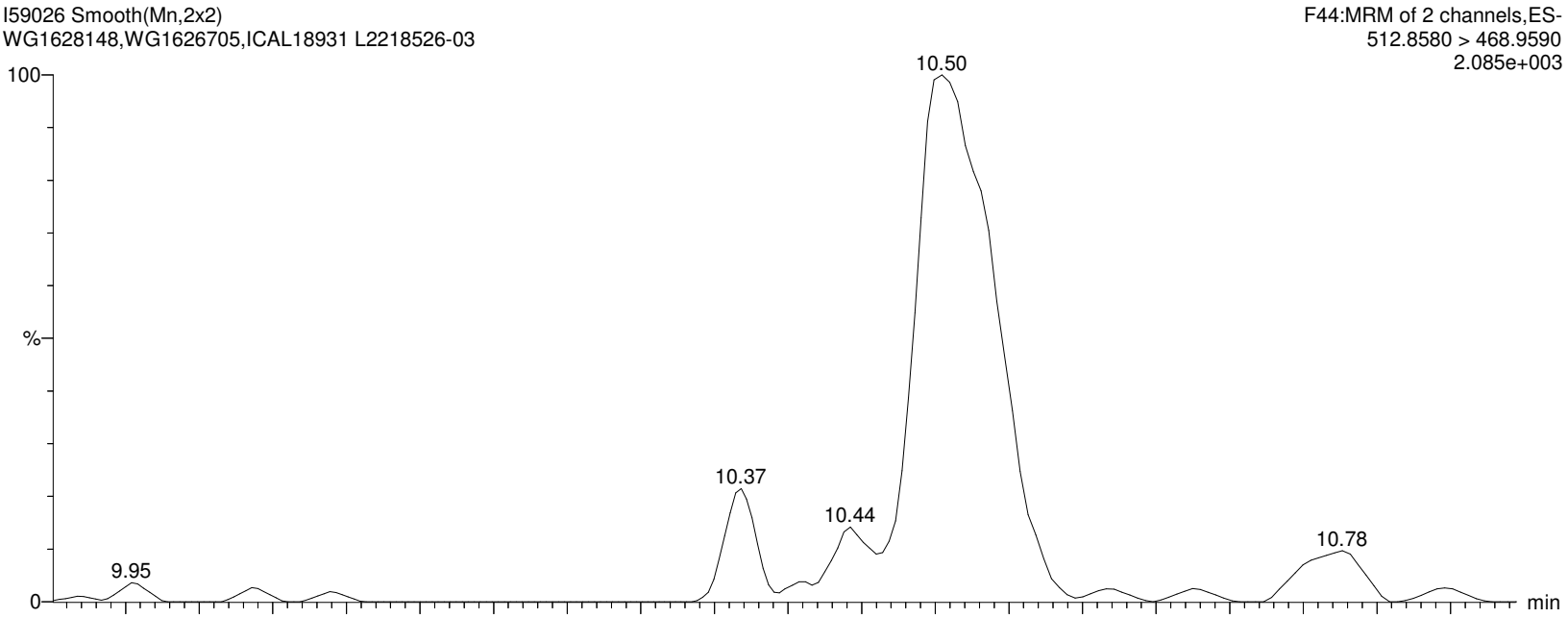


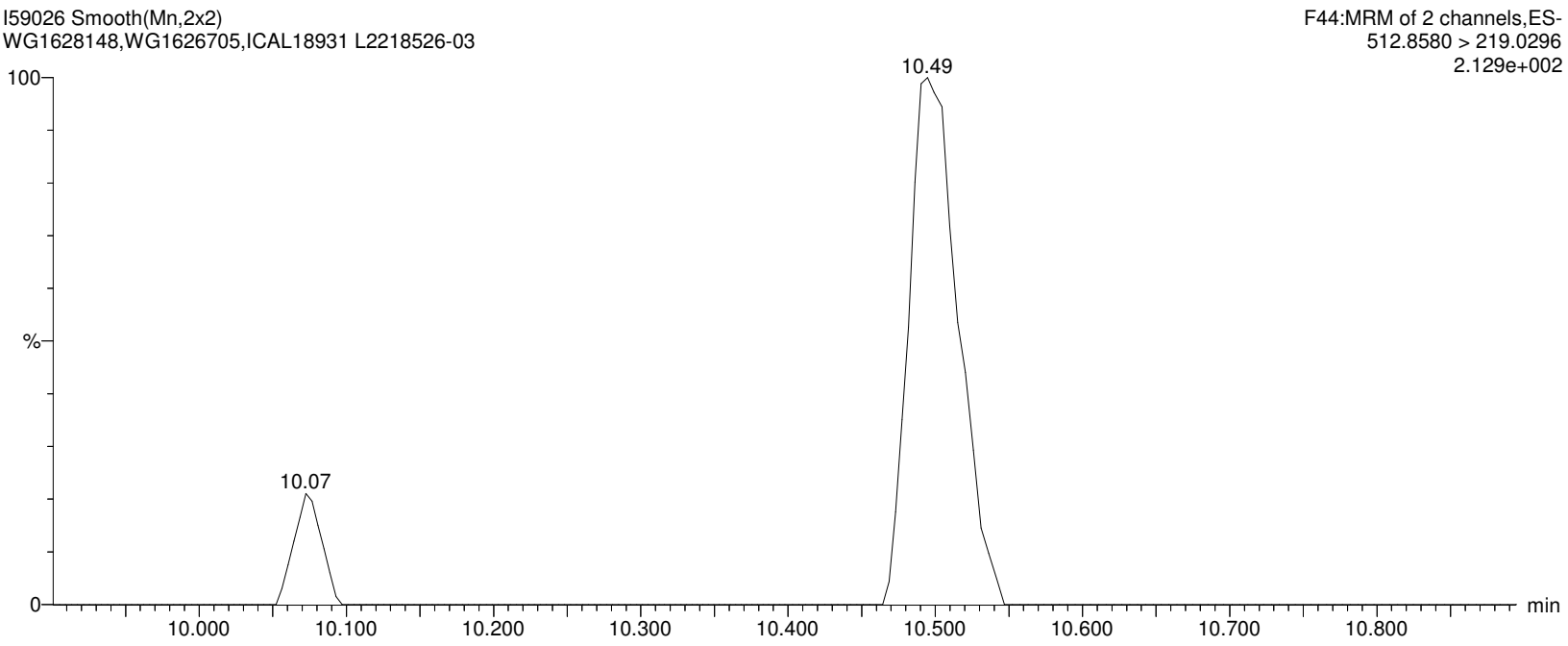
all concentration units in (ng/mL)

Alpha Analytical Inc.
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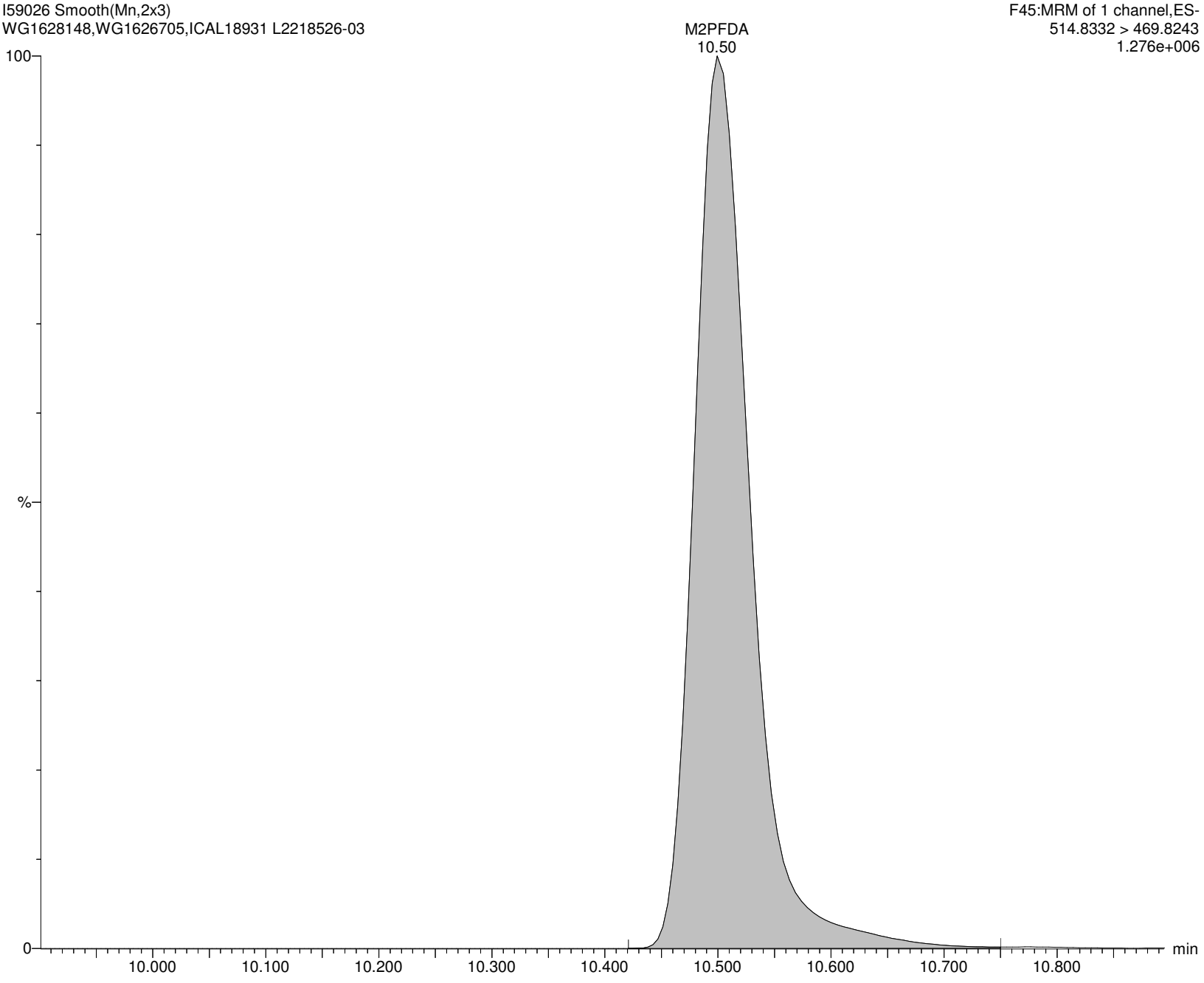


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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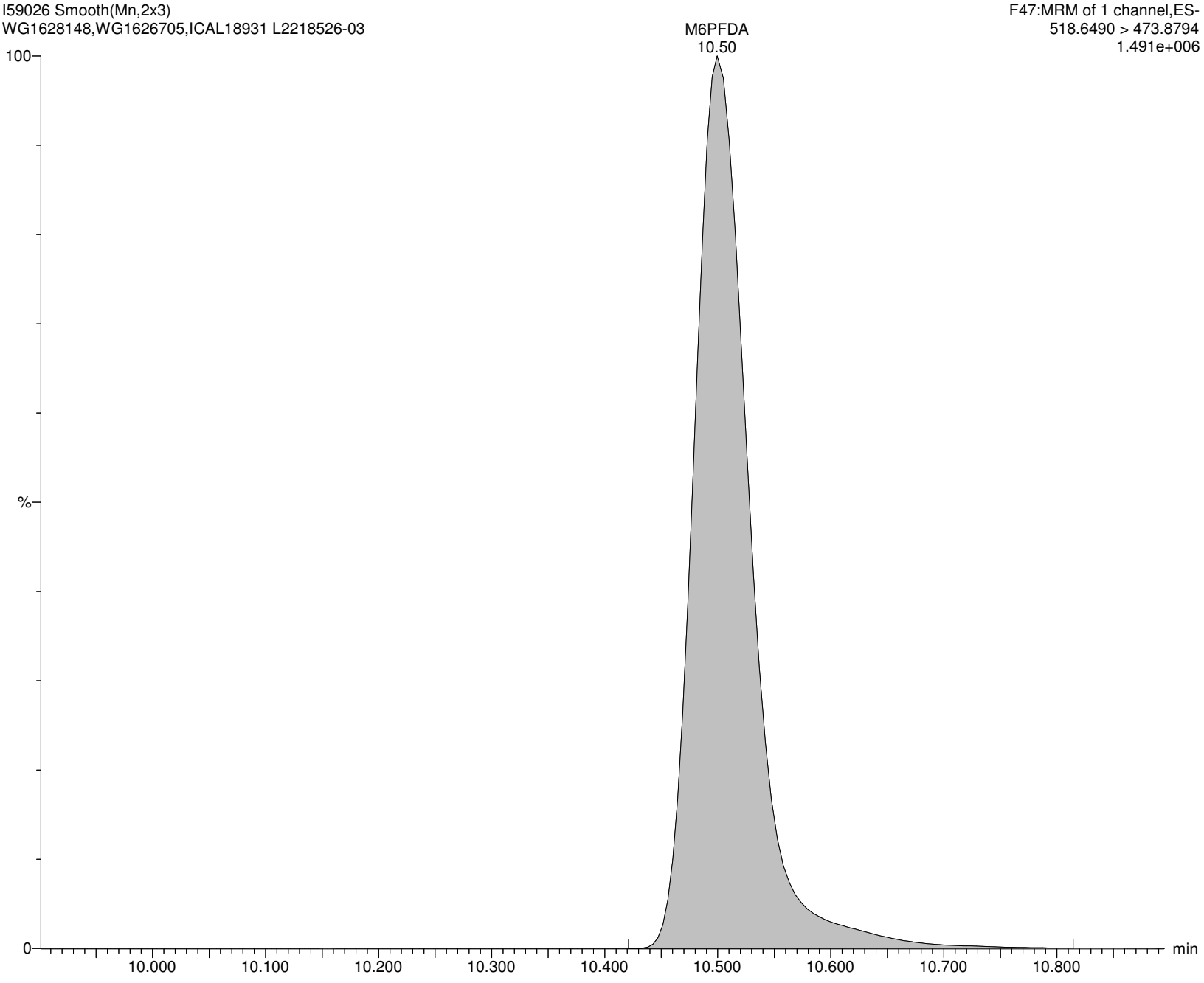


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
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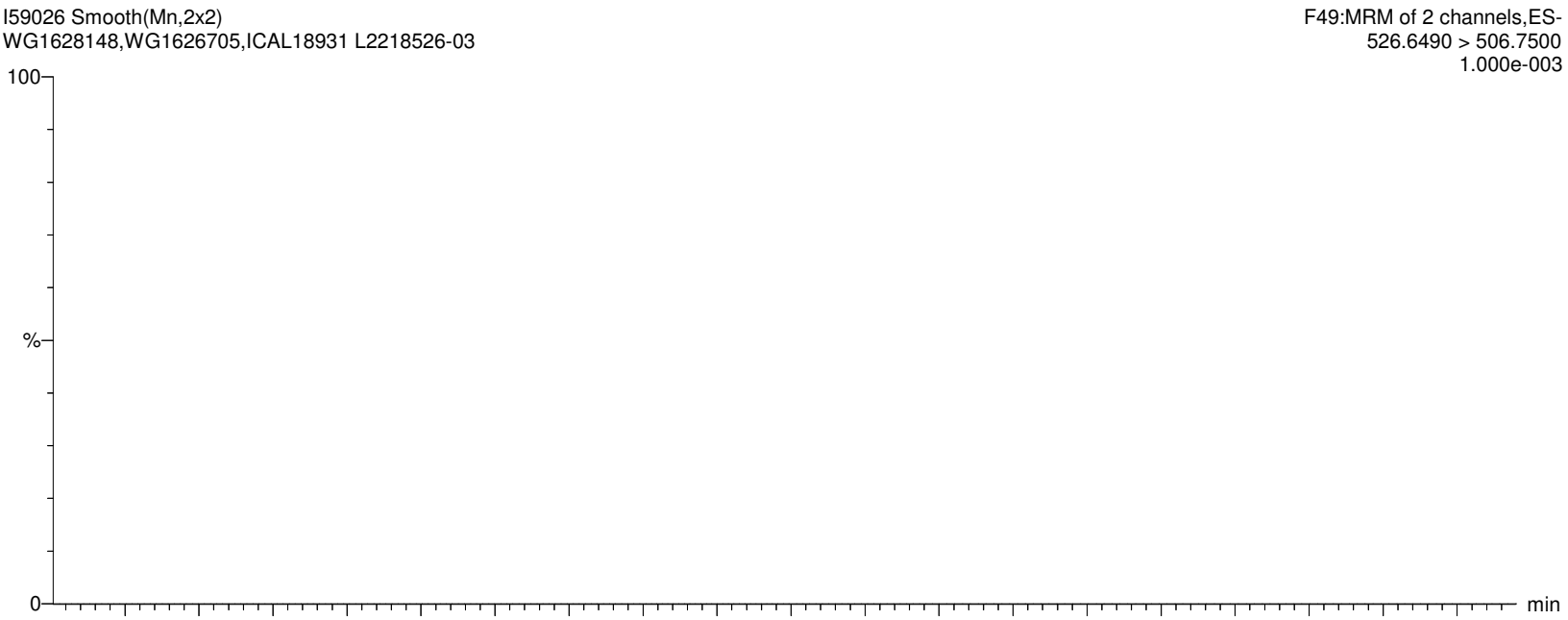


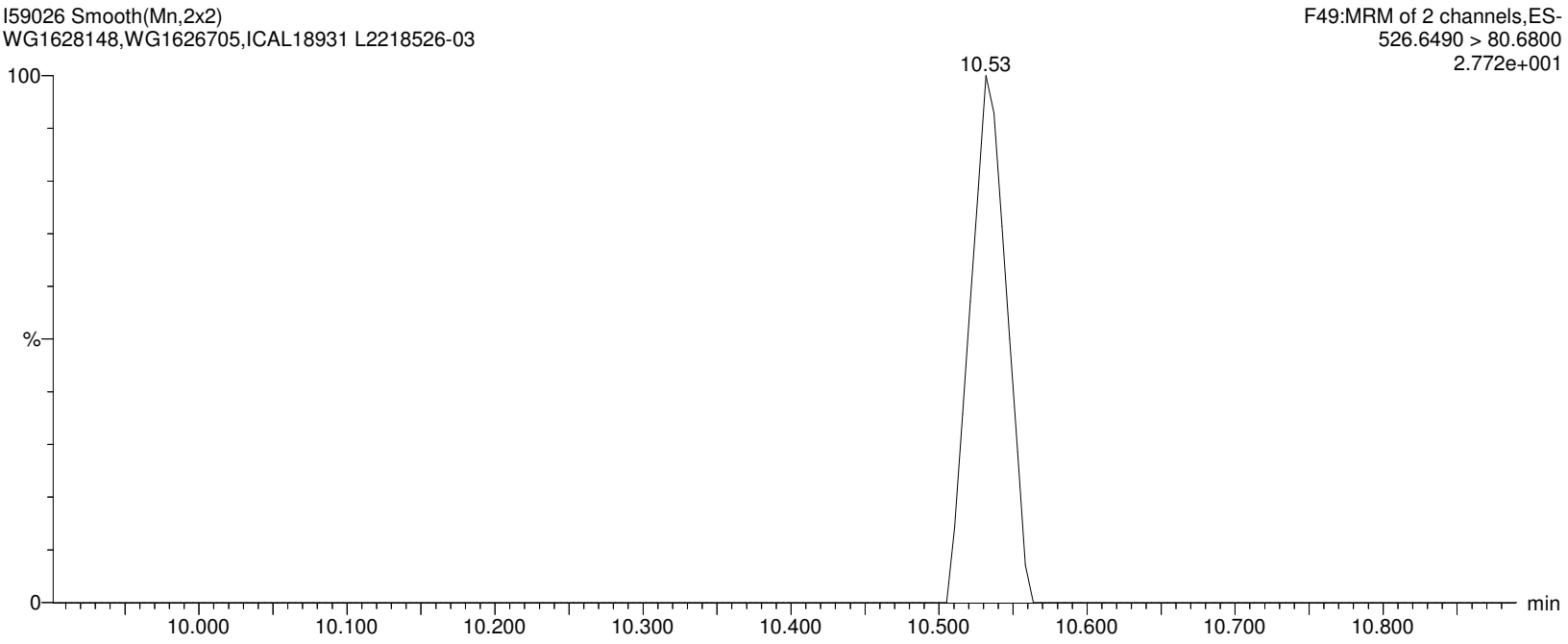
all concentration units in (ng/mL)

Alpha Analytical Inc.
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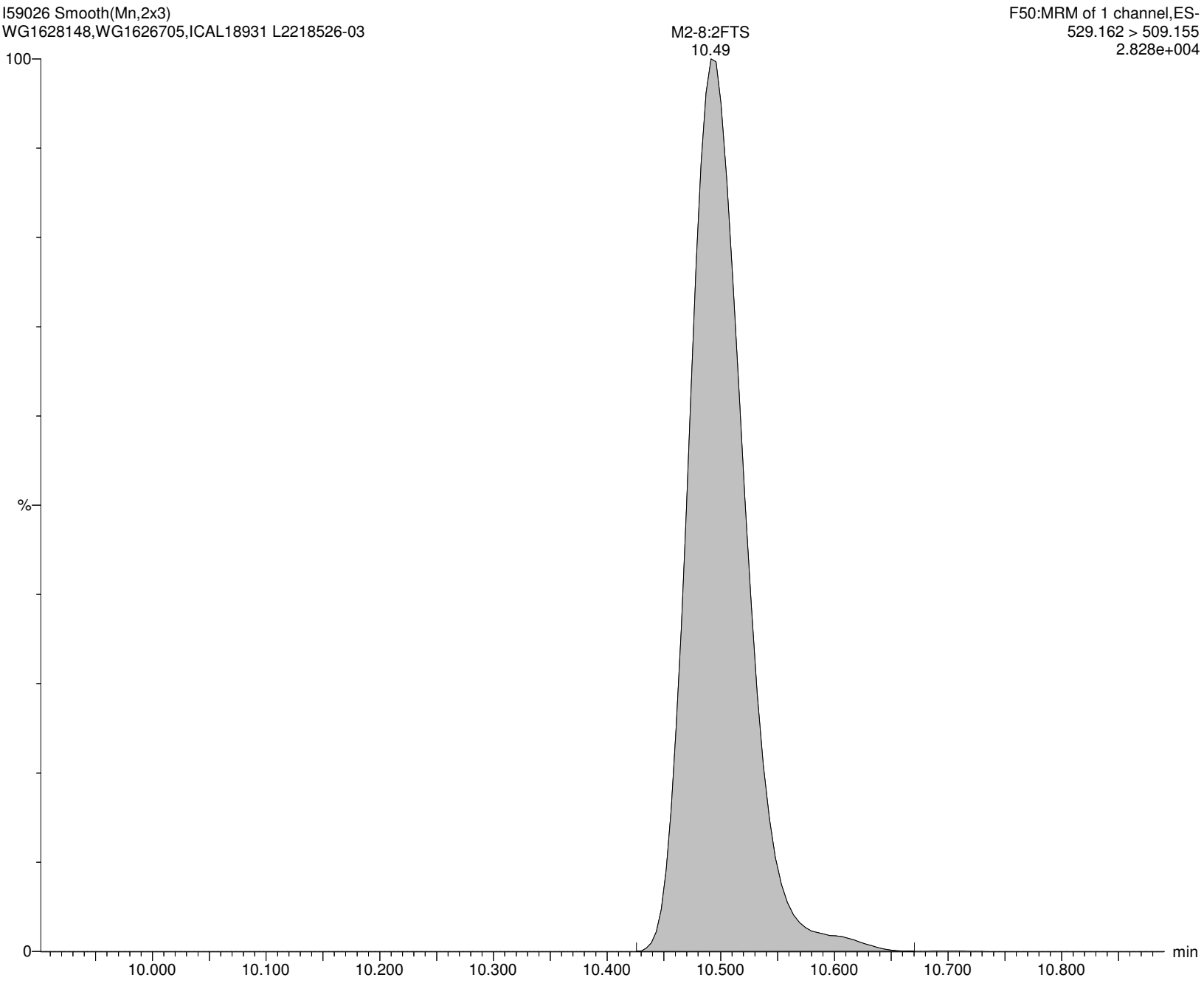


all concentration units in (ng/mL)

Alpha Analytical Inc.
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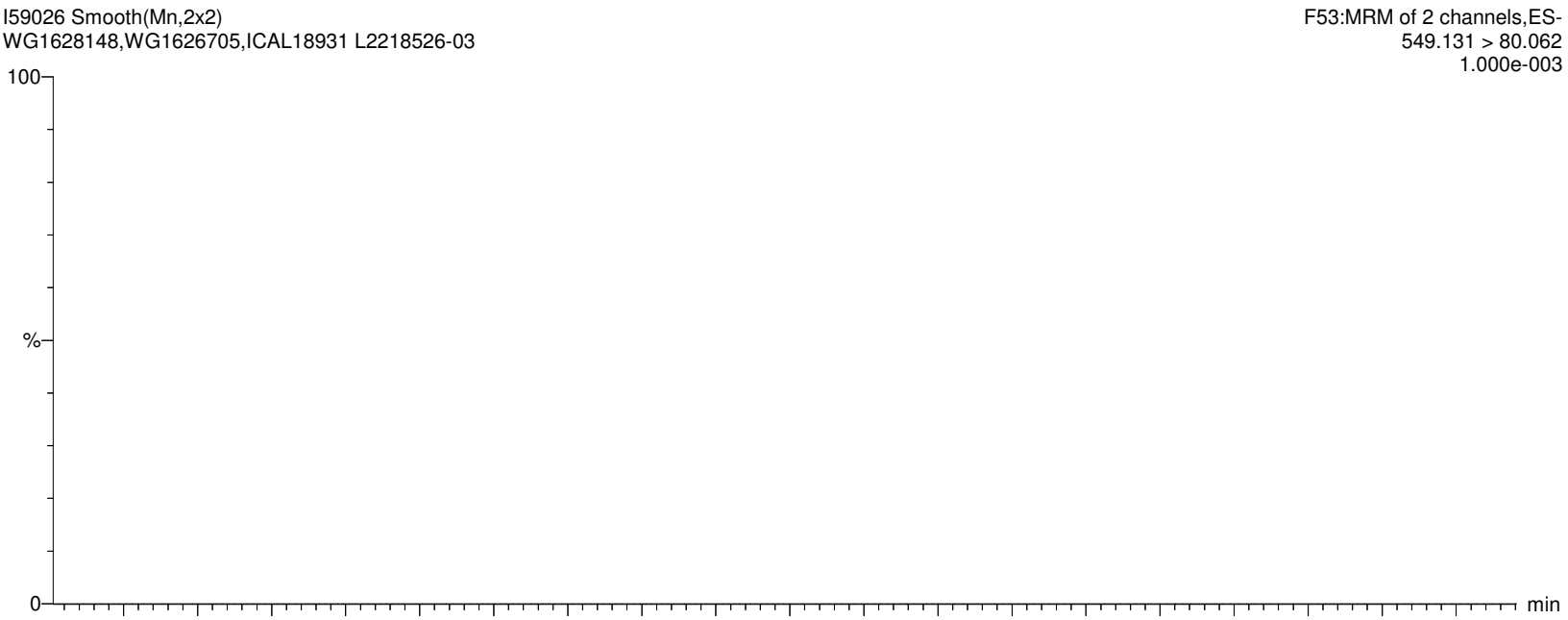


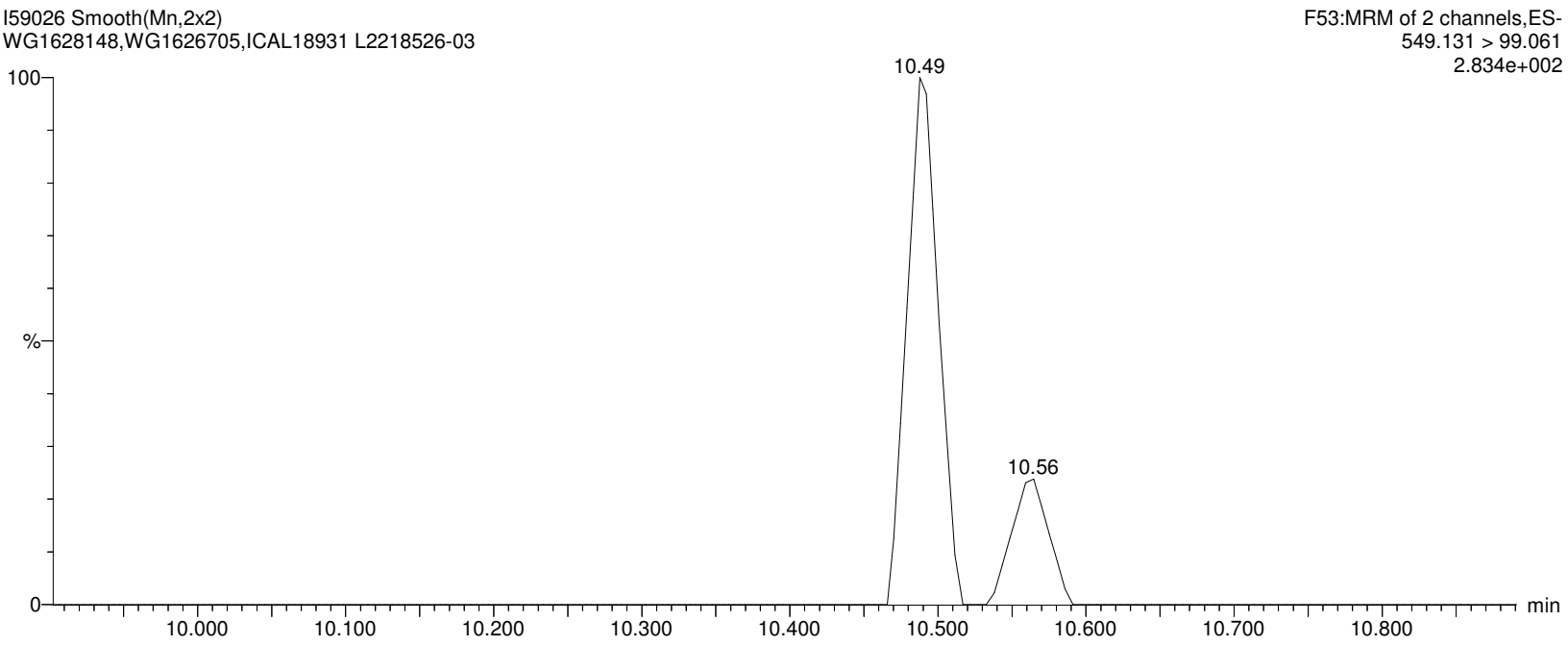
all concentration units in (ng/mL)

Alpha Analytical Inc.
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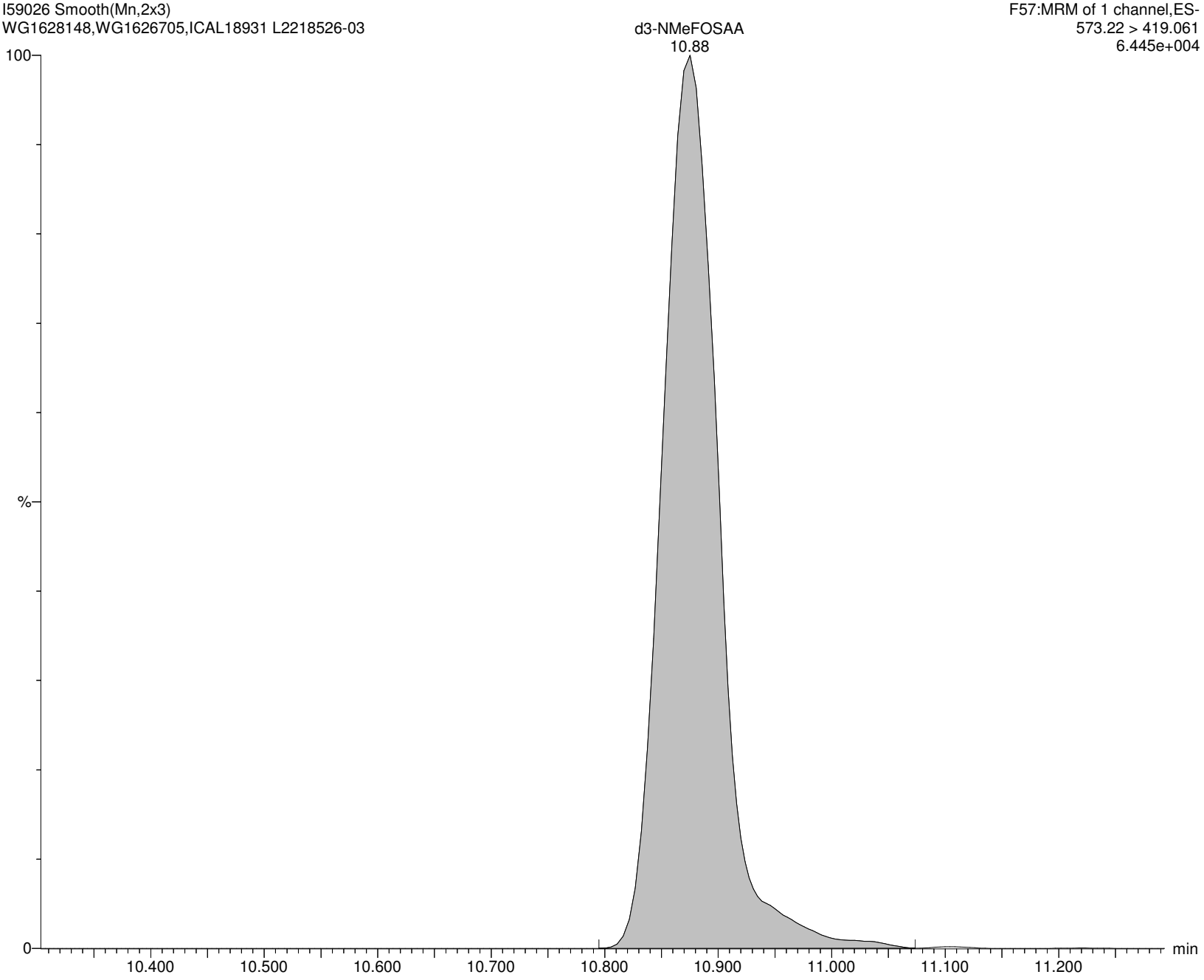


all concentration units in (ng/mL)

Alpha Analytical Inc.
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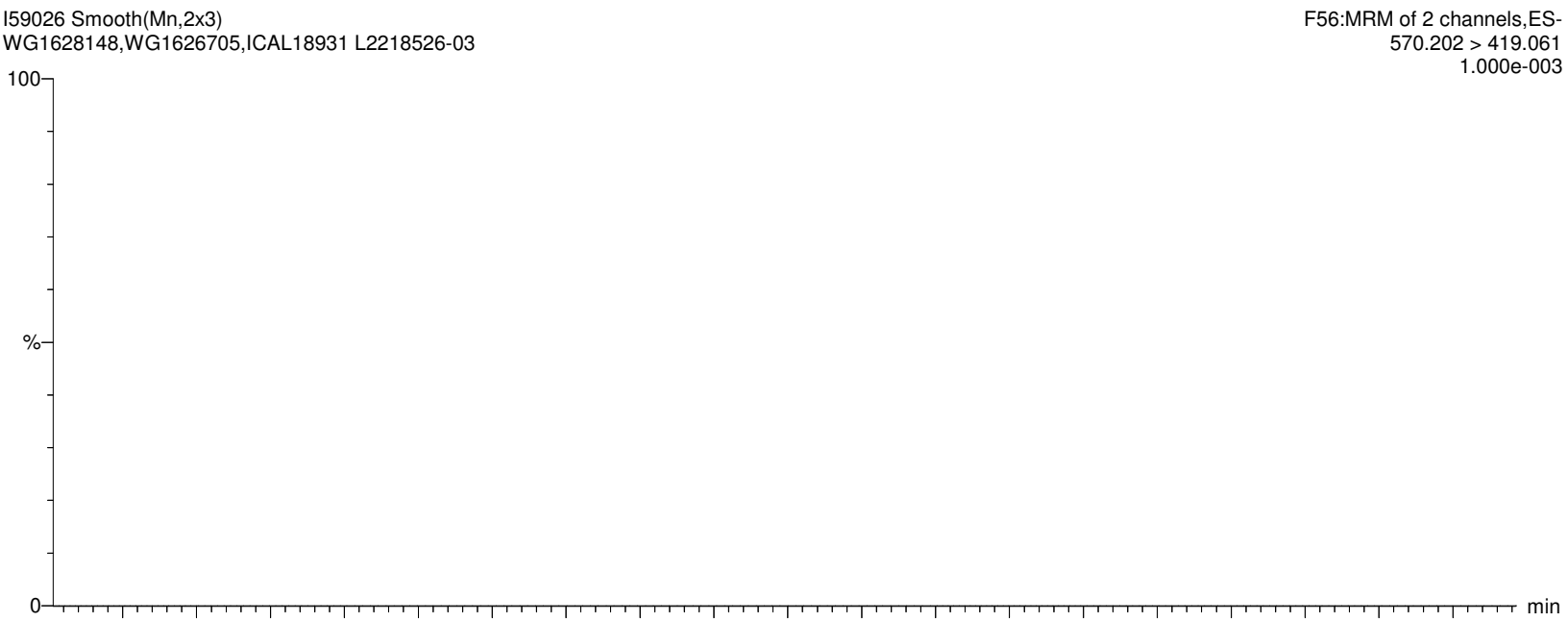


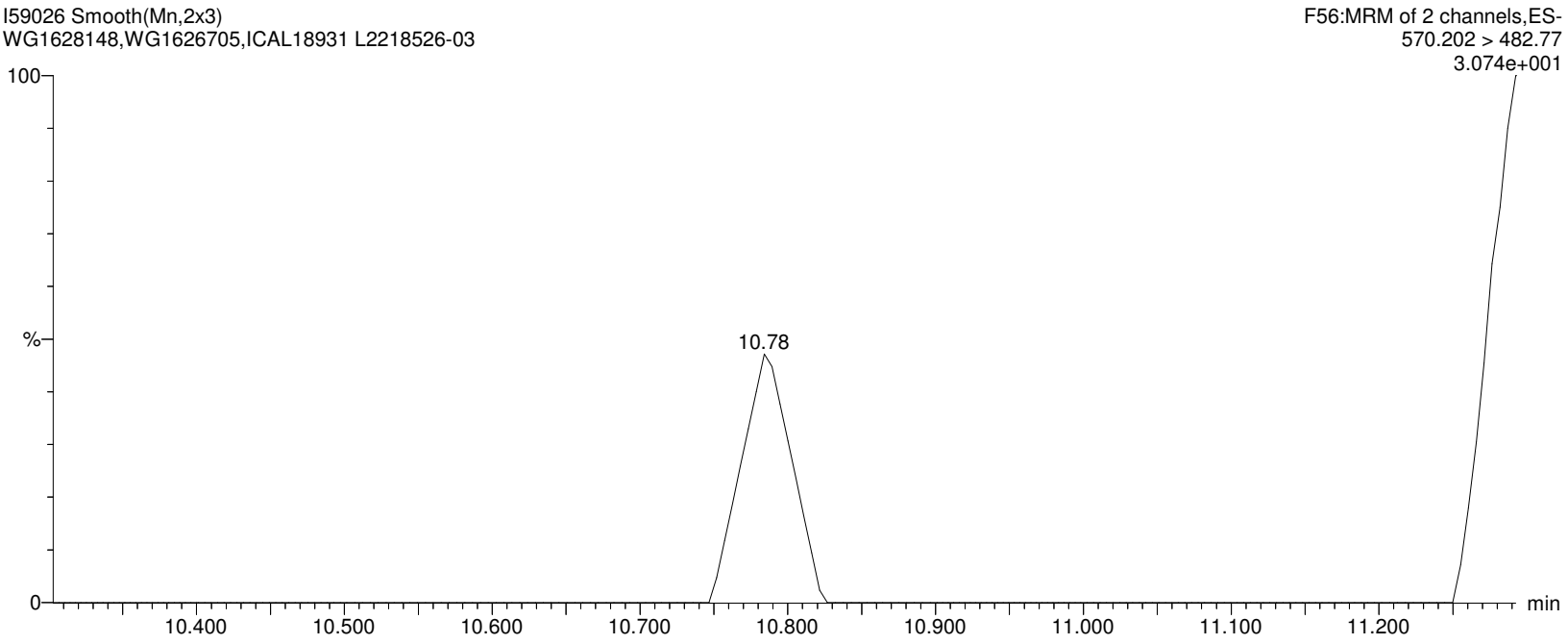
all concentration units in (ng/mL)

Alpha Analytical Inc.
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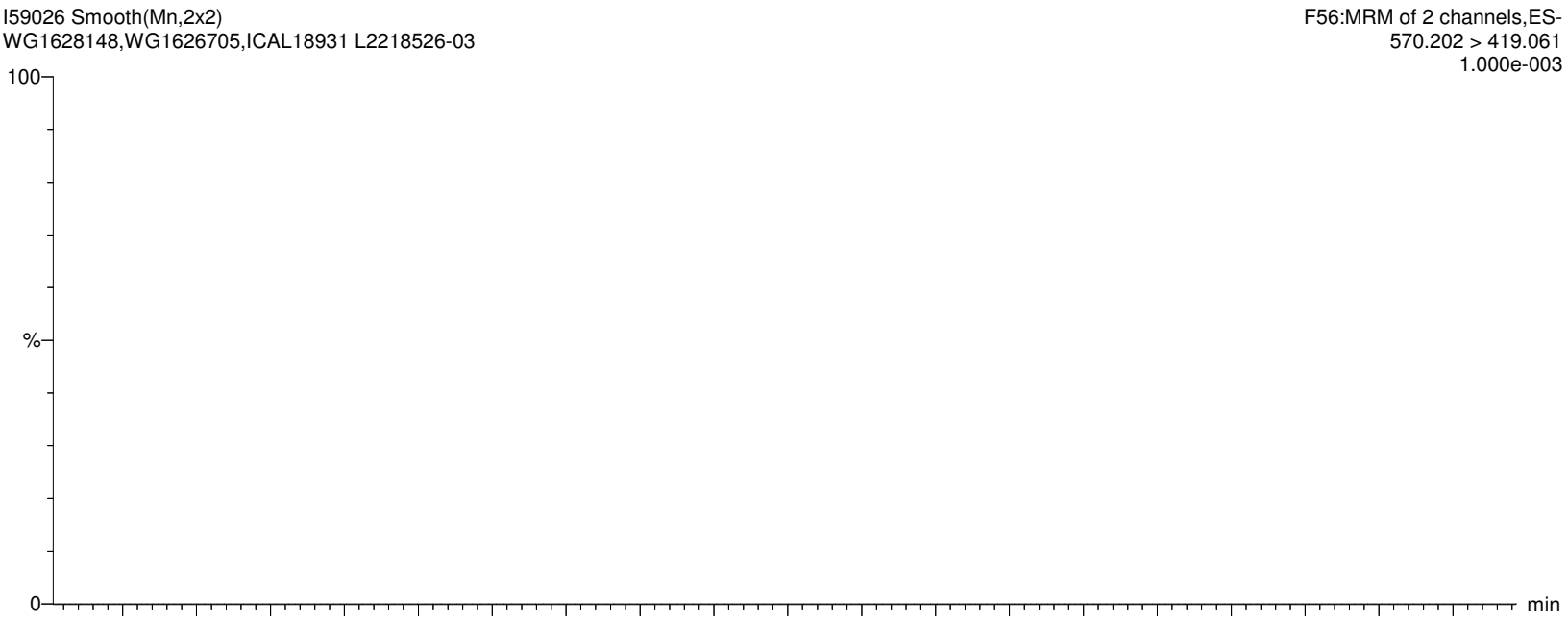


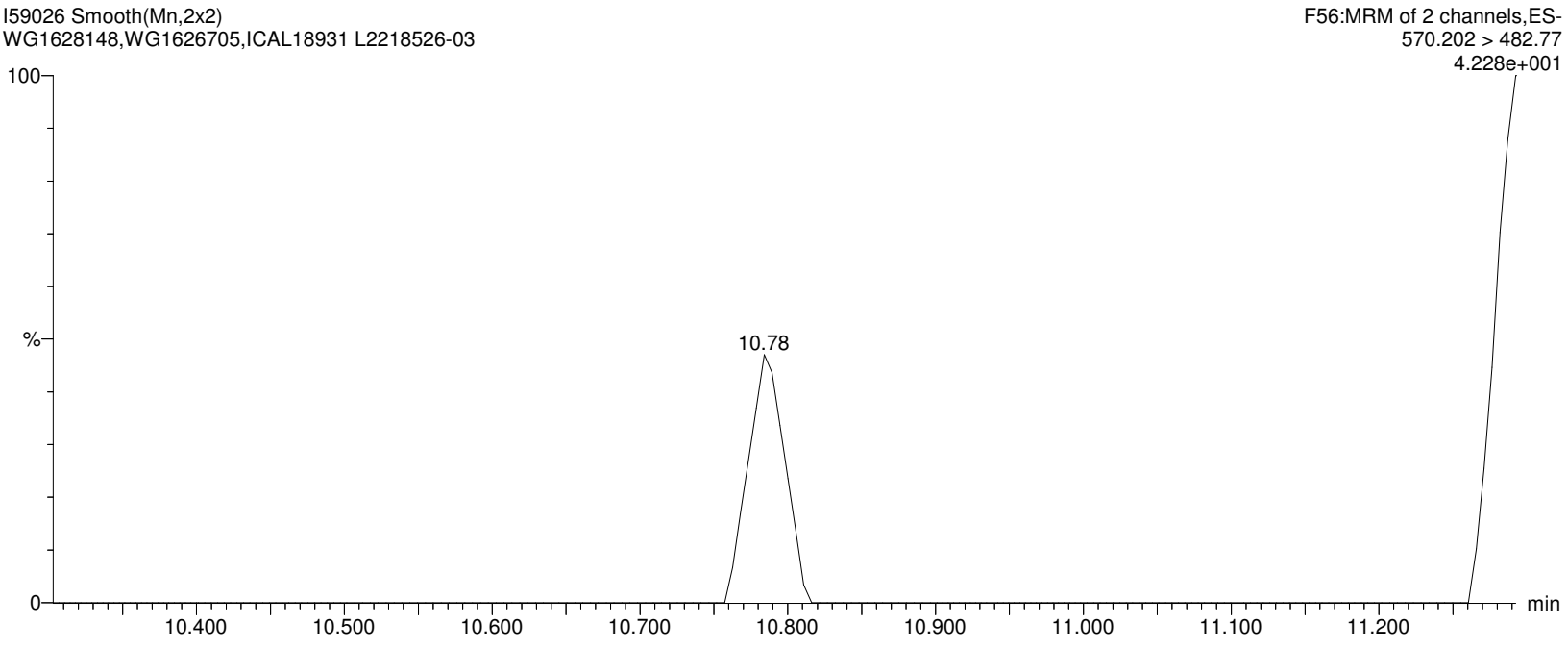
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NMeFOSAA



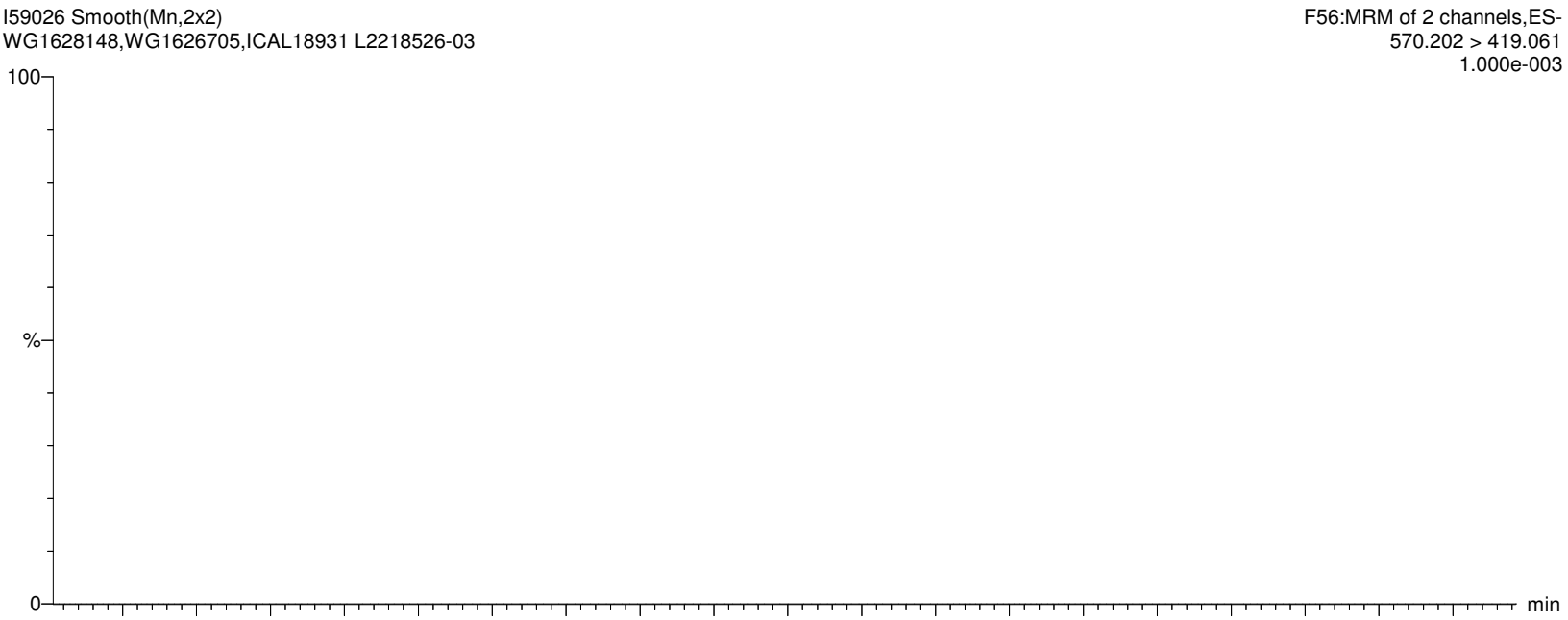


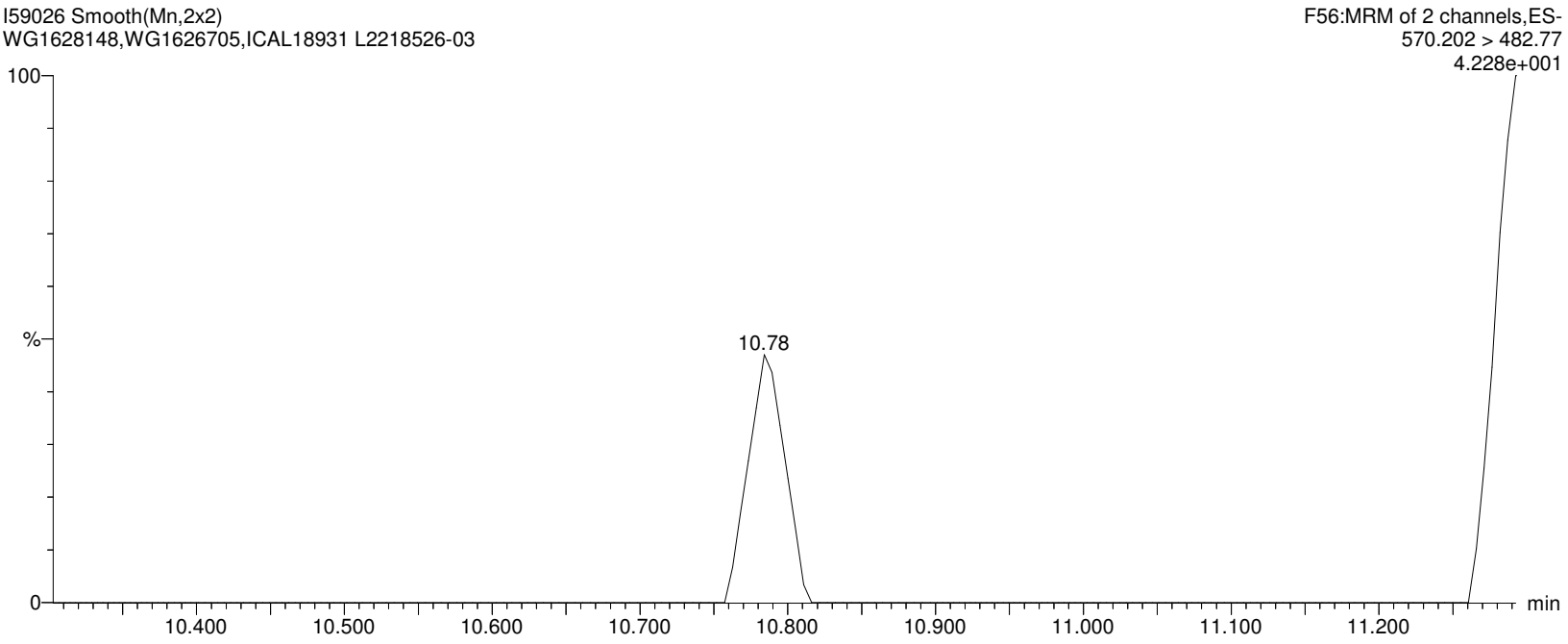
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User: LCMS02:SG
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
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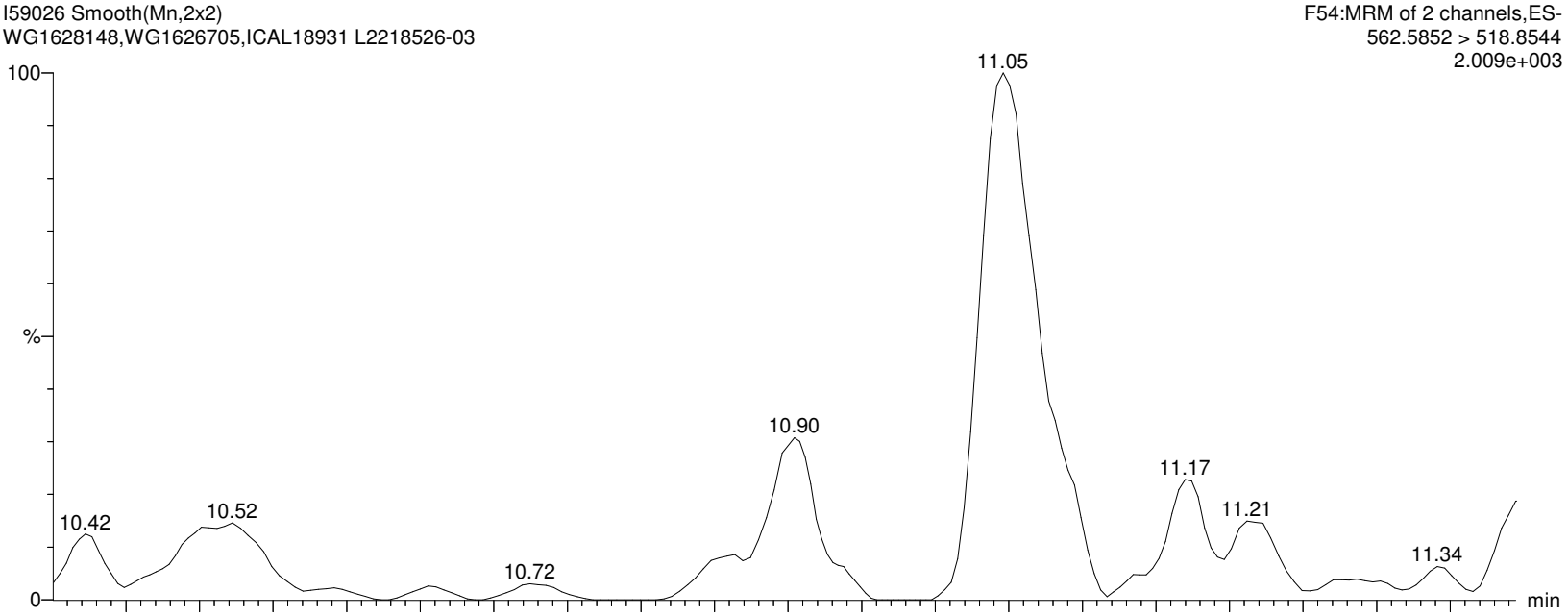


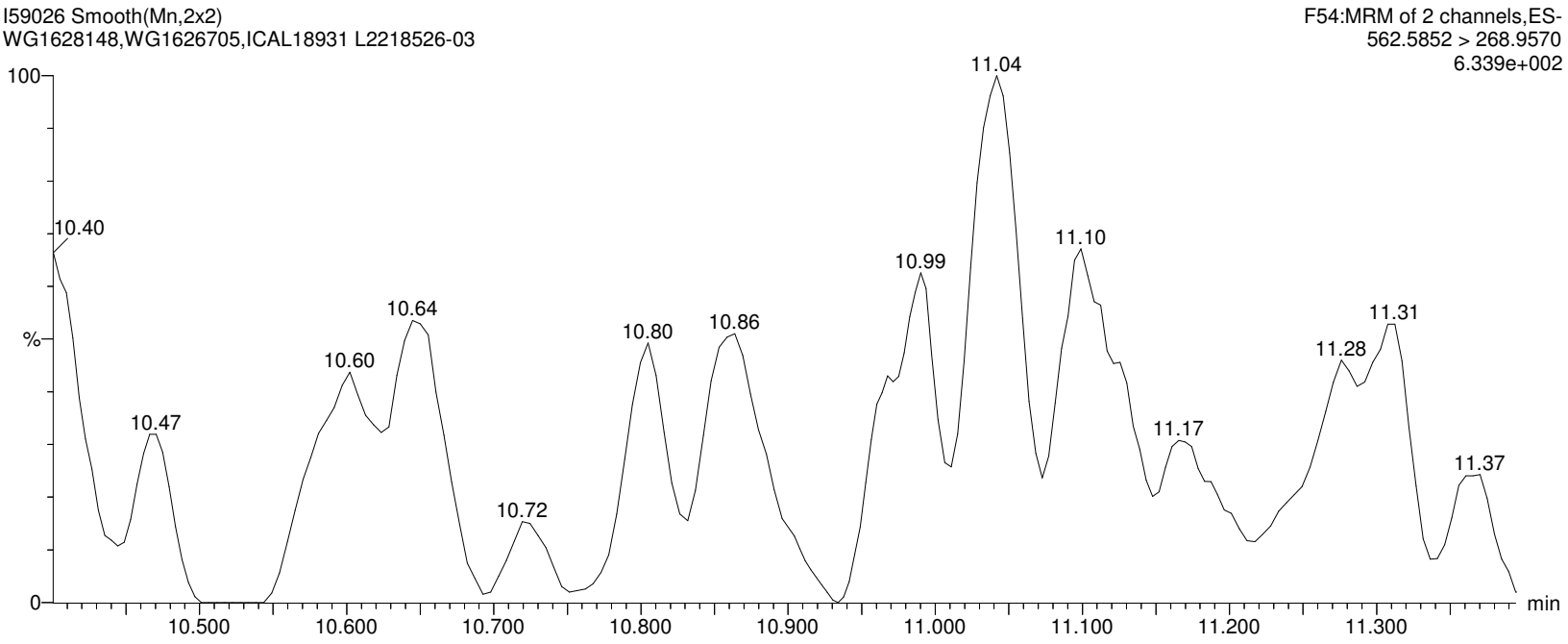
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Tuesday, April 19, 2022 19:03:06 Eastern Daylight Time

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ID: L2218526-03
Date: 18-Apr-2022
Time: 00:28:13
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User: LCMS02:SG
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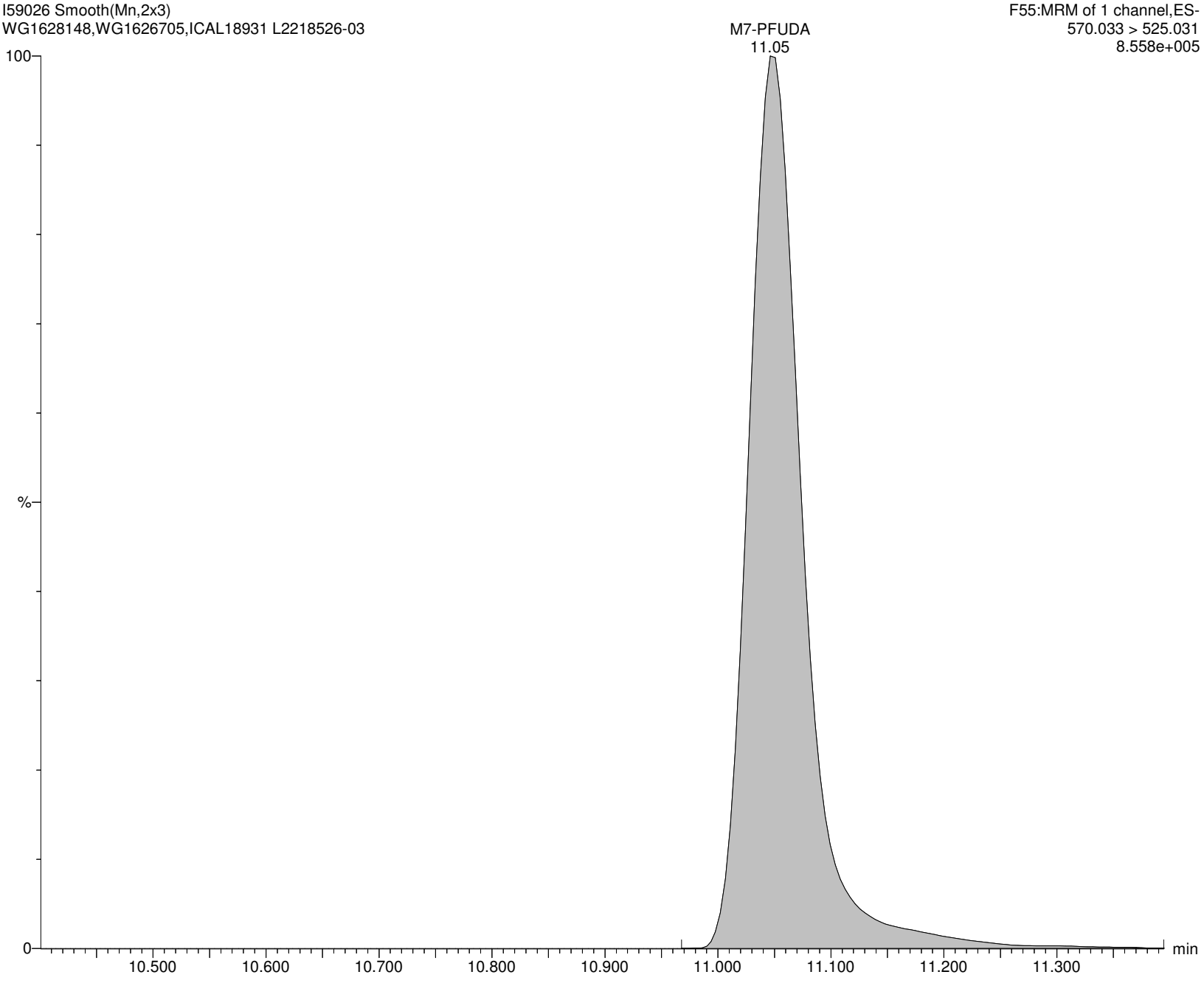


all concentration units in (ng/mL)

Alpha Analytical Inc.
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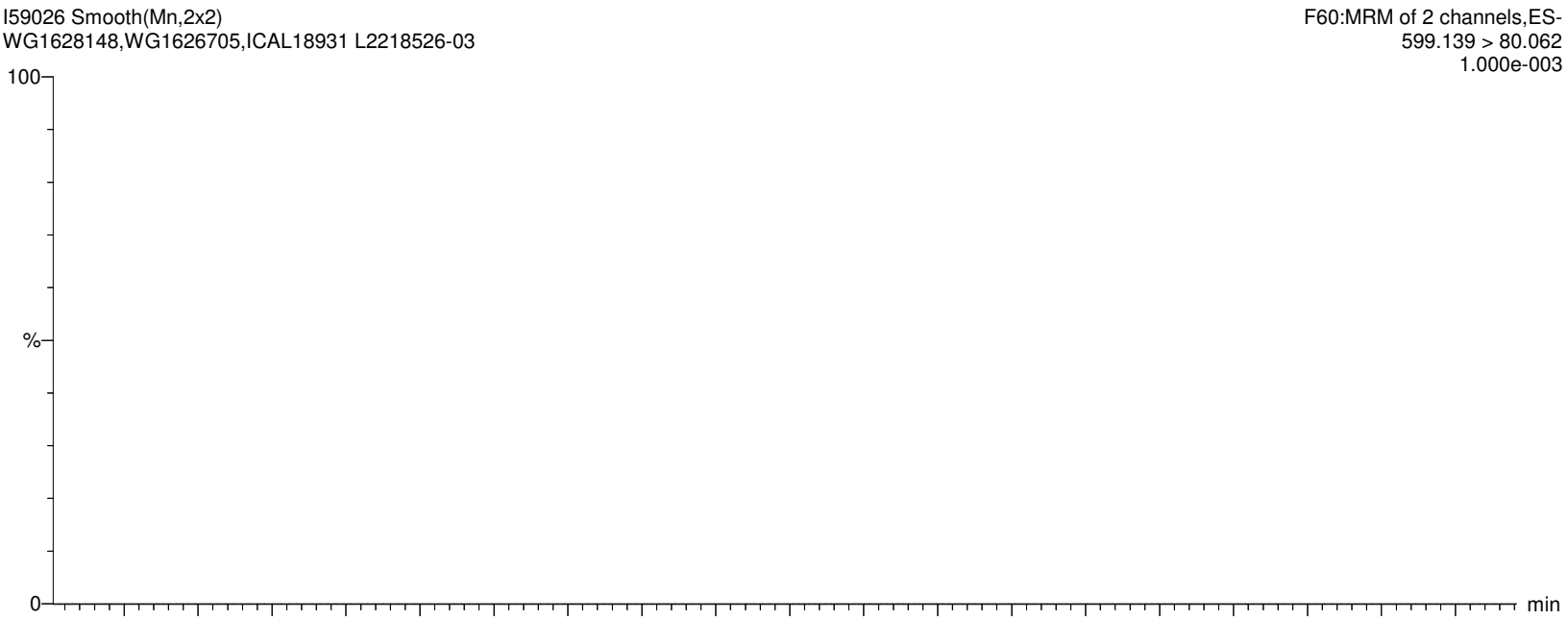


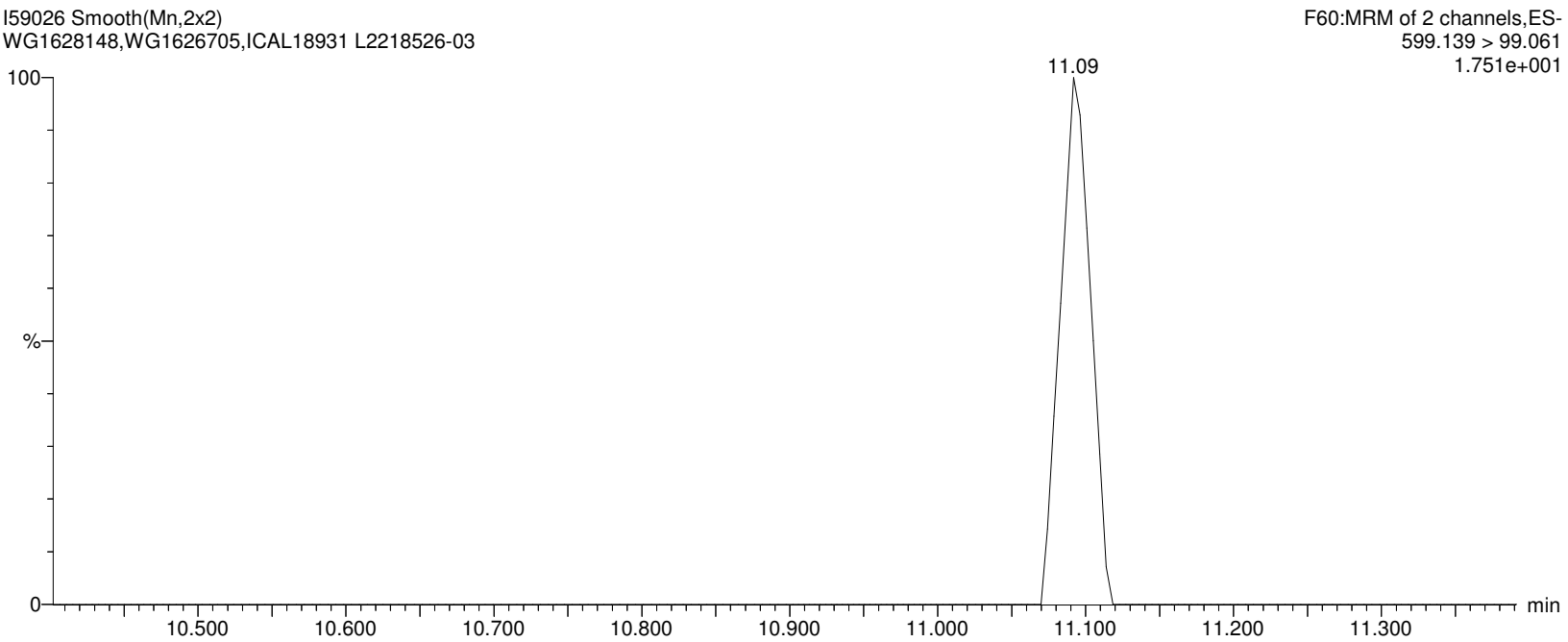
all concentration units in (ng/mL)

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PFDS



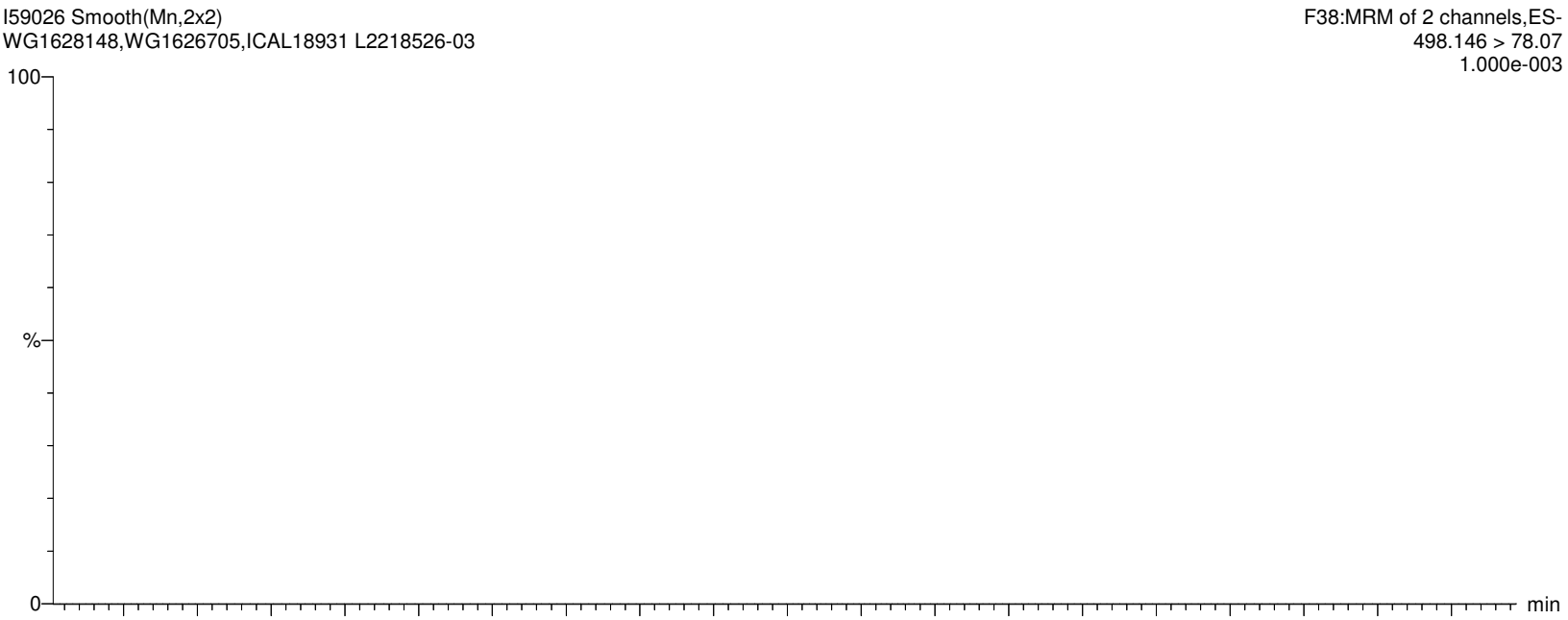


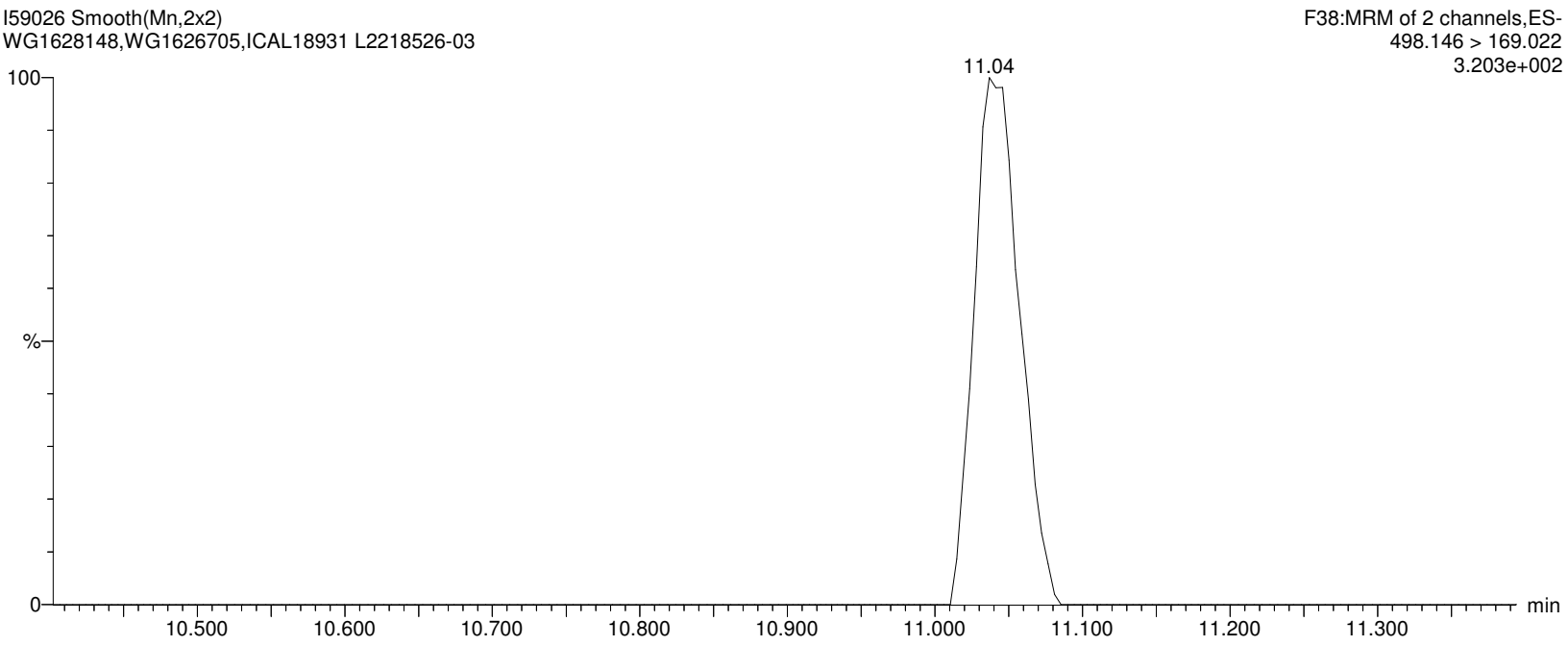
all concentration units in (ng/mL)

Alpha Analytical Inc.
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FOSA



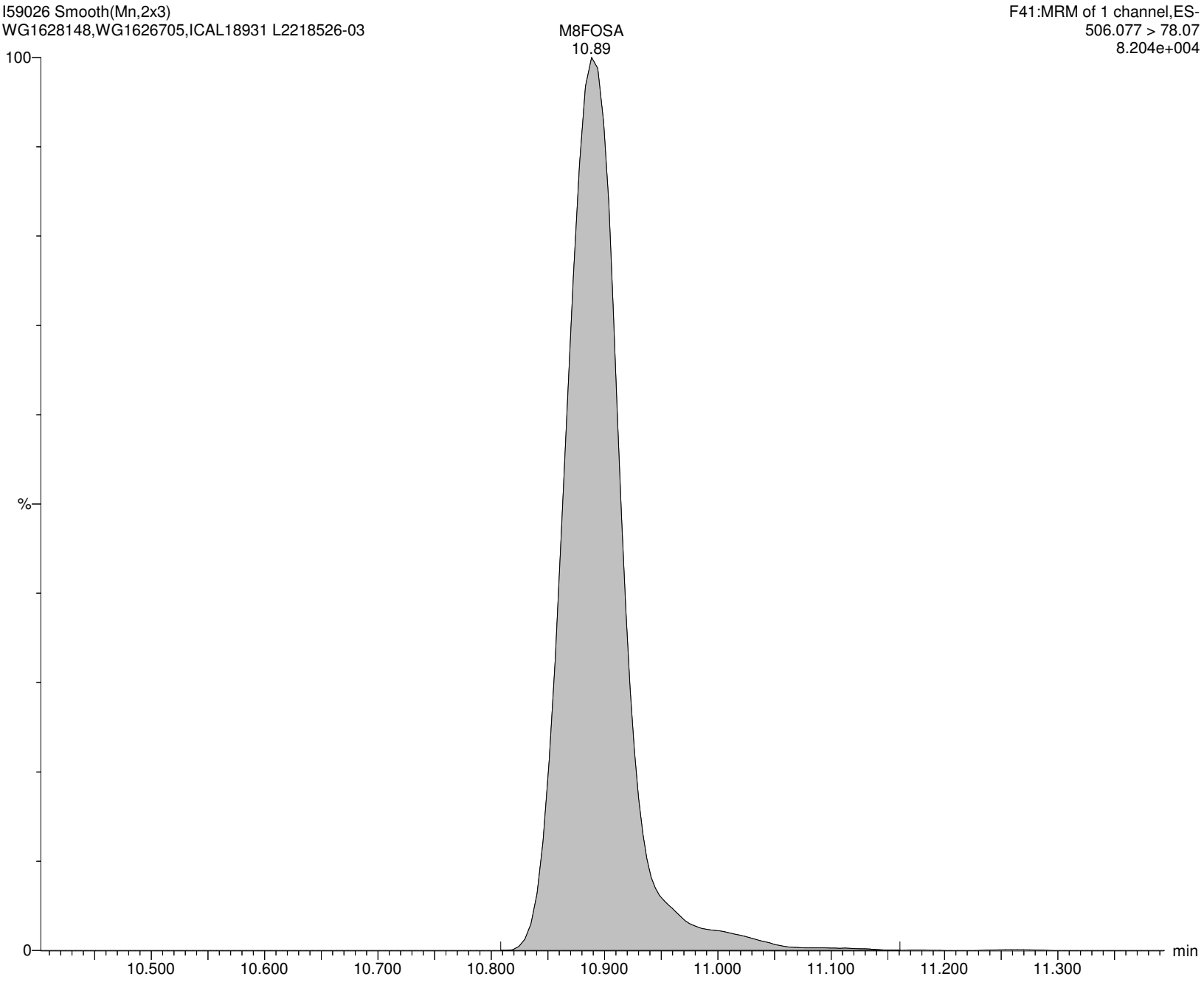


all concentration units in (ng/mL)

Alpha Analytical Inc.
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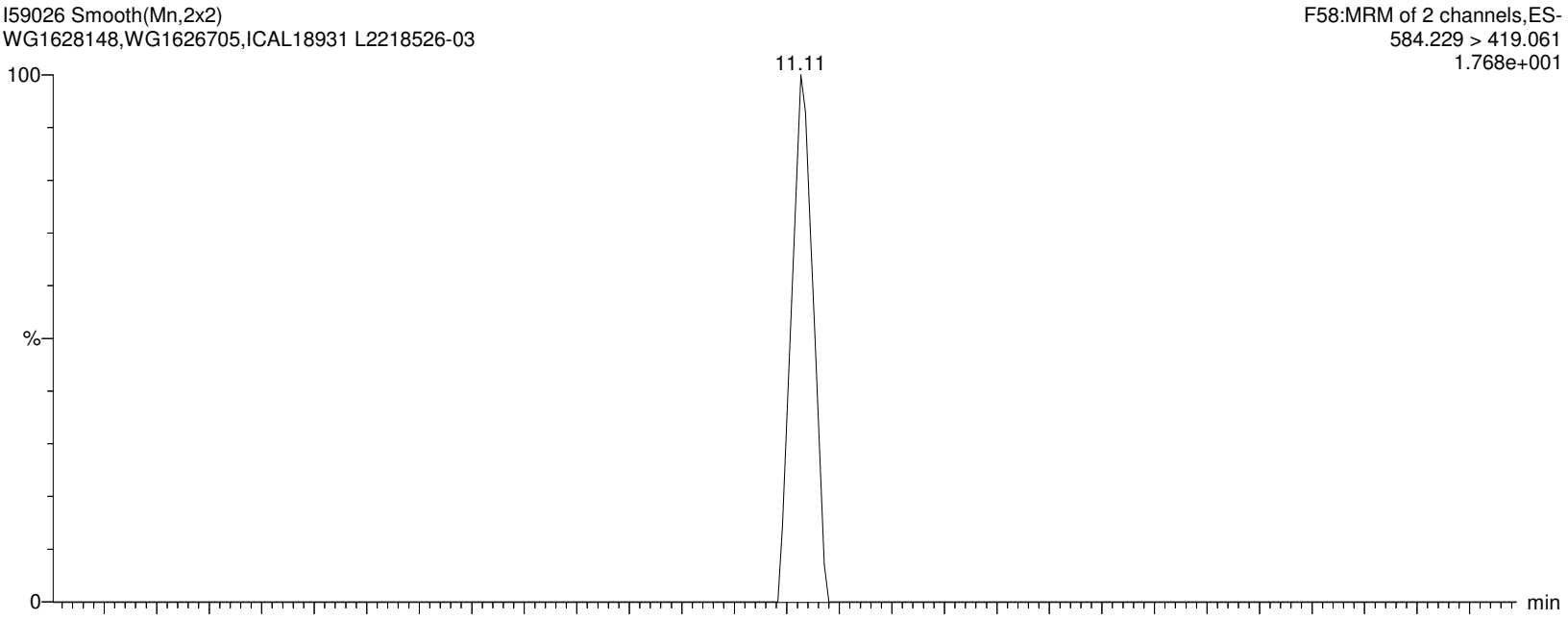


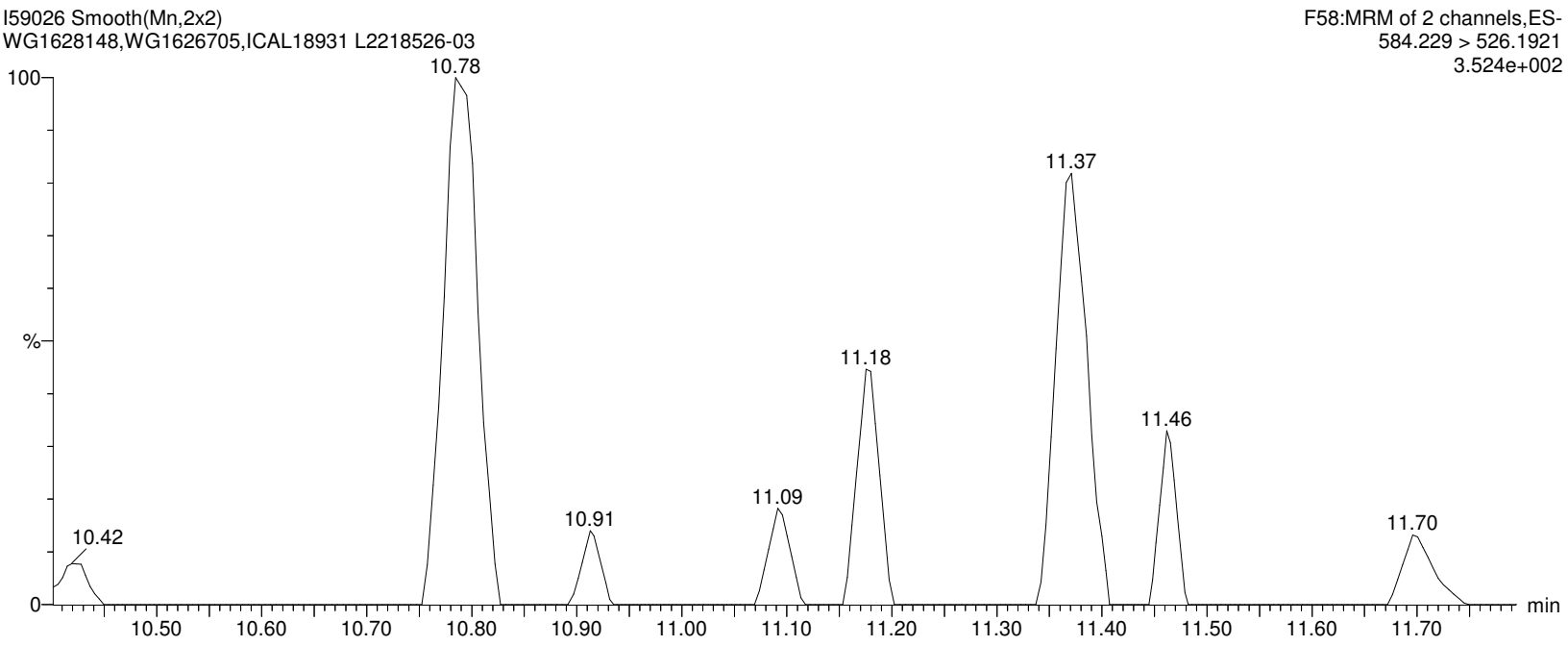
all concentration units in (ng/mL)

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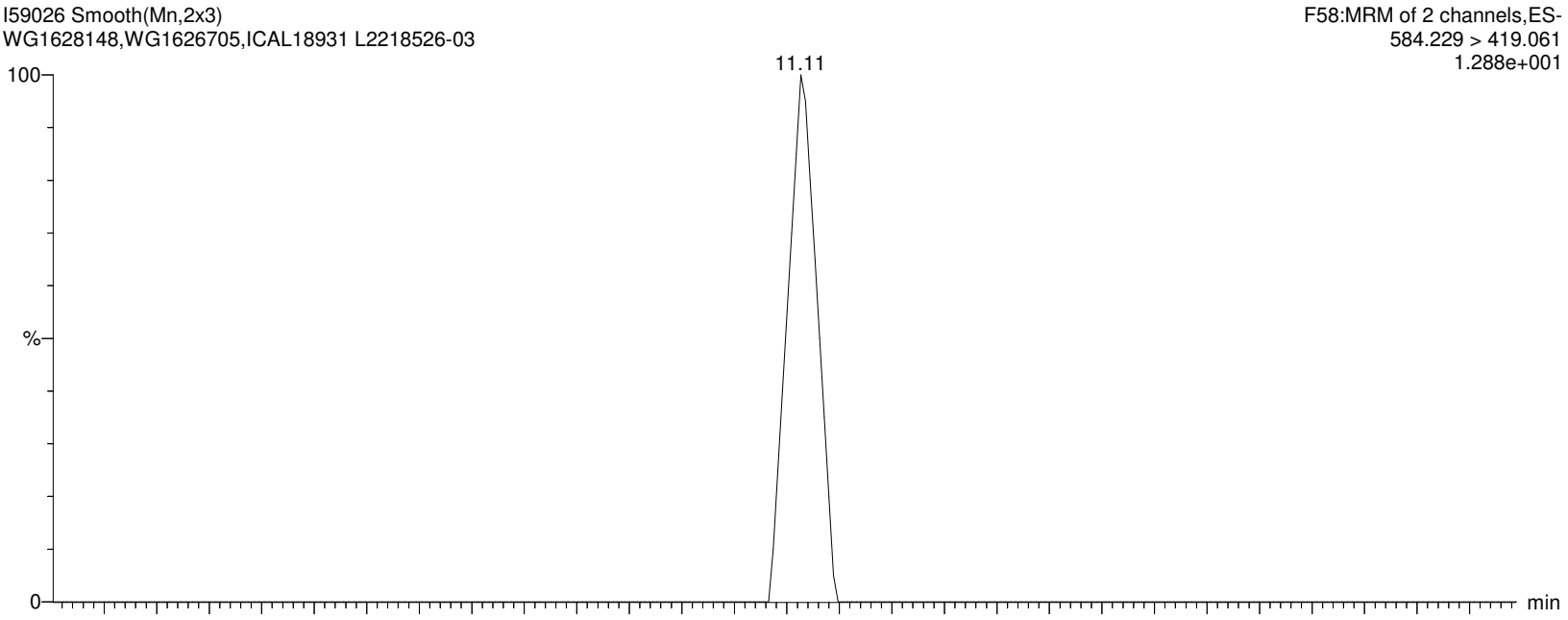


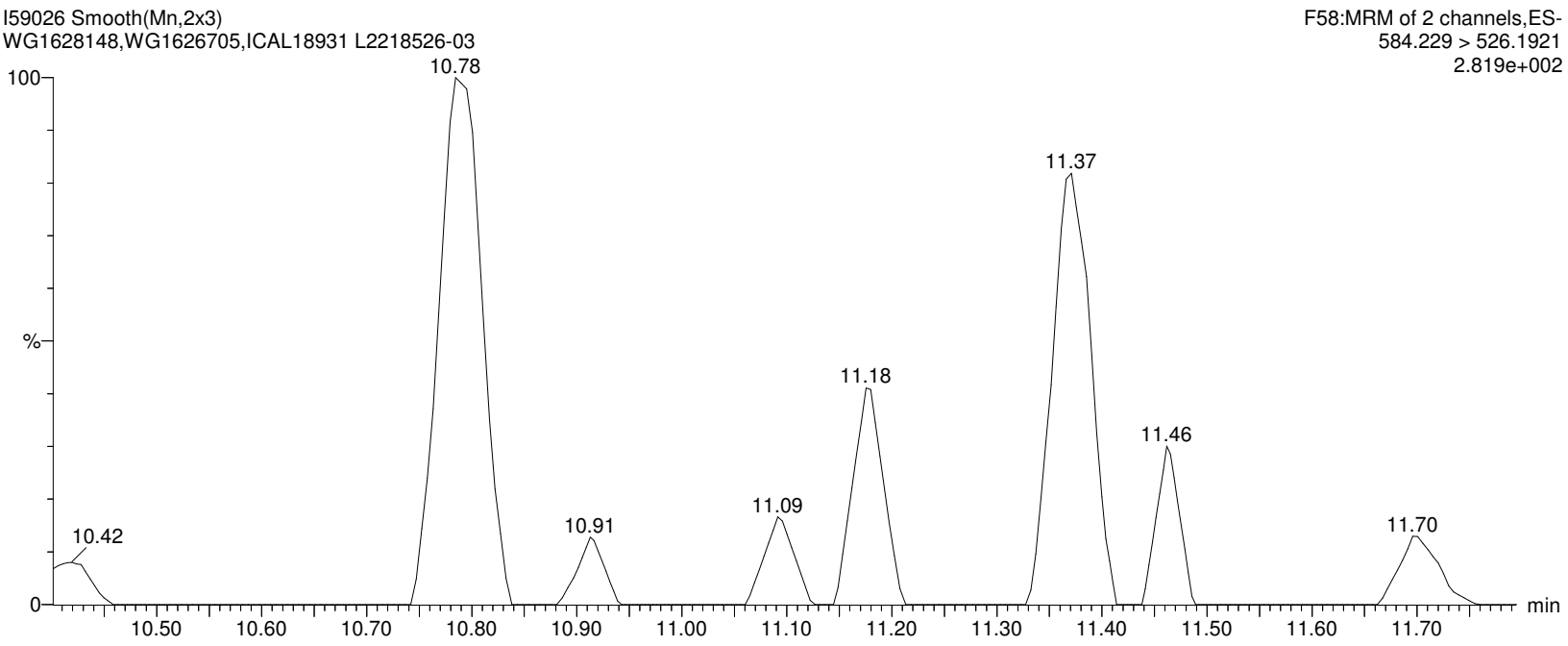
all concentration units in (ng/mL)

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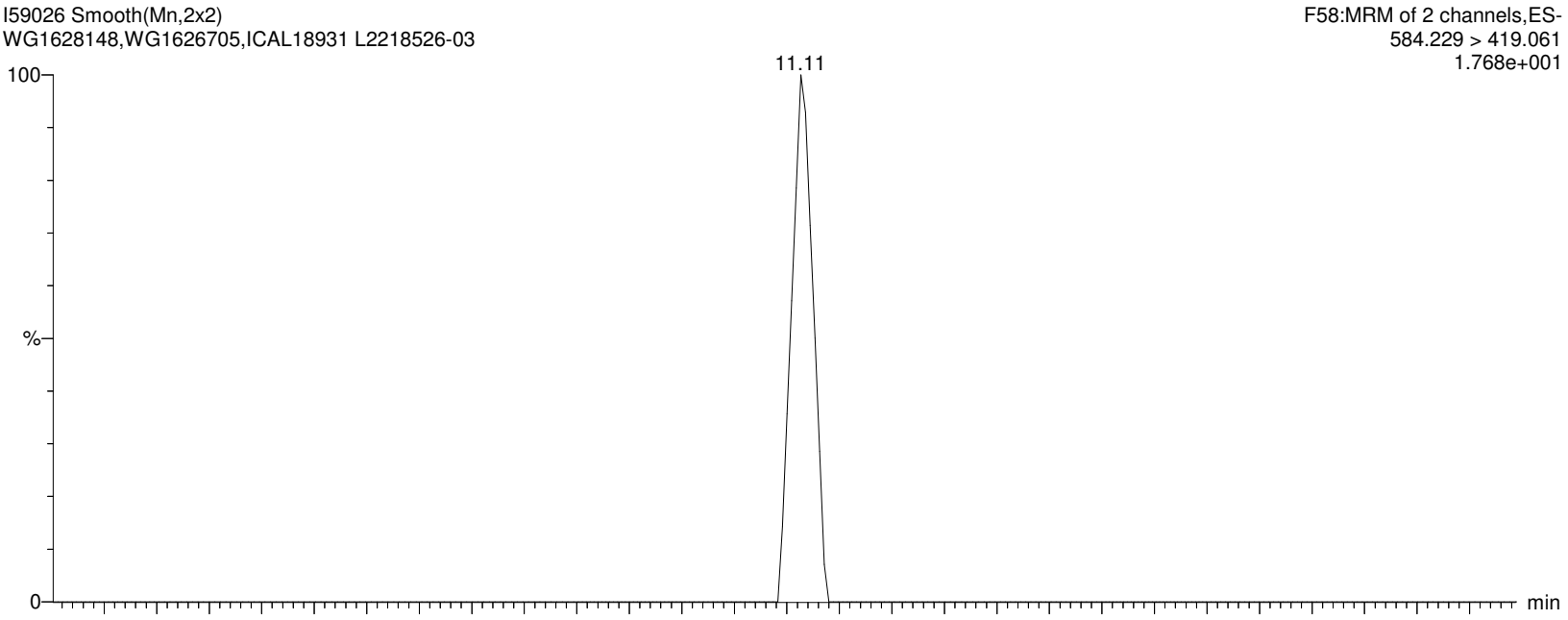


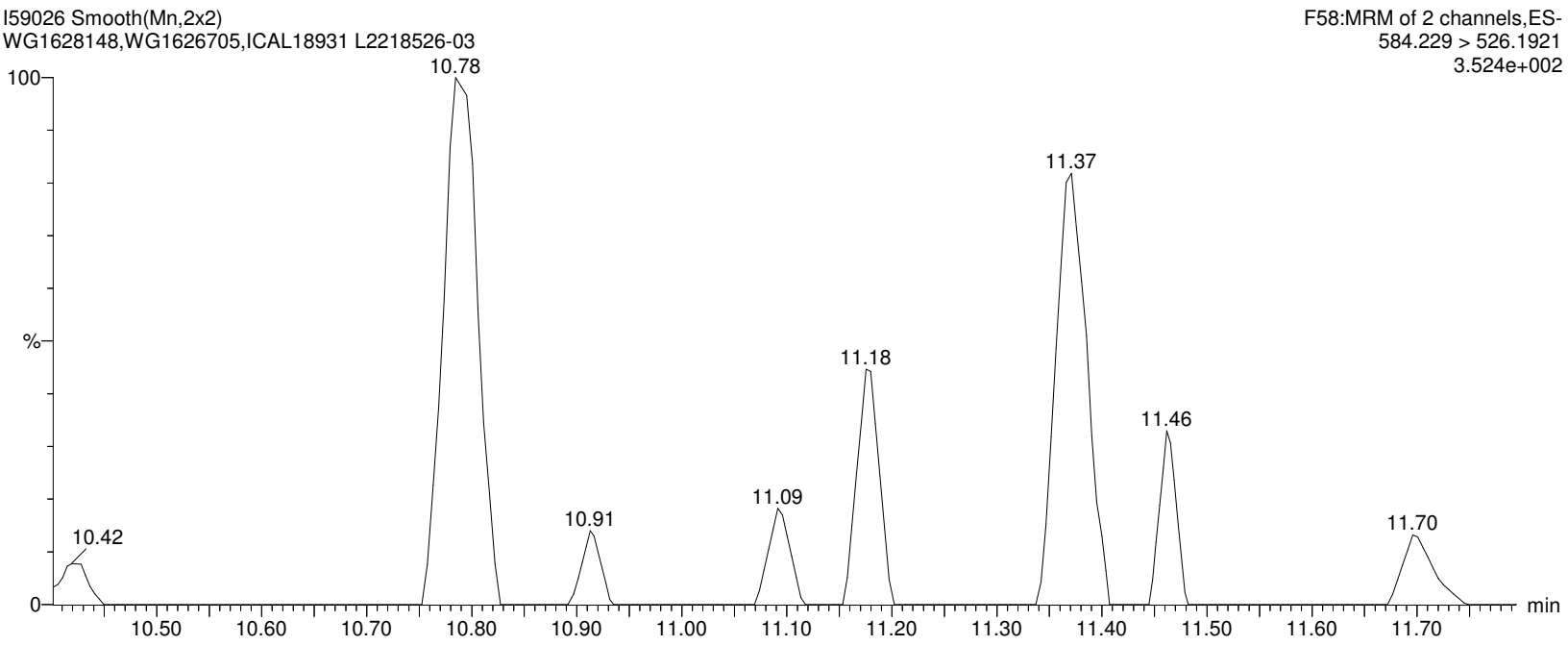
all concentration units in (ng/mL)

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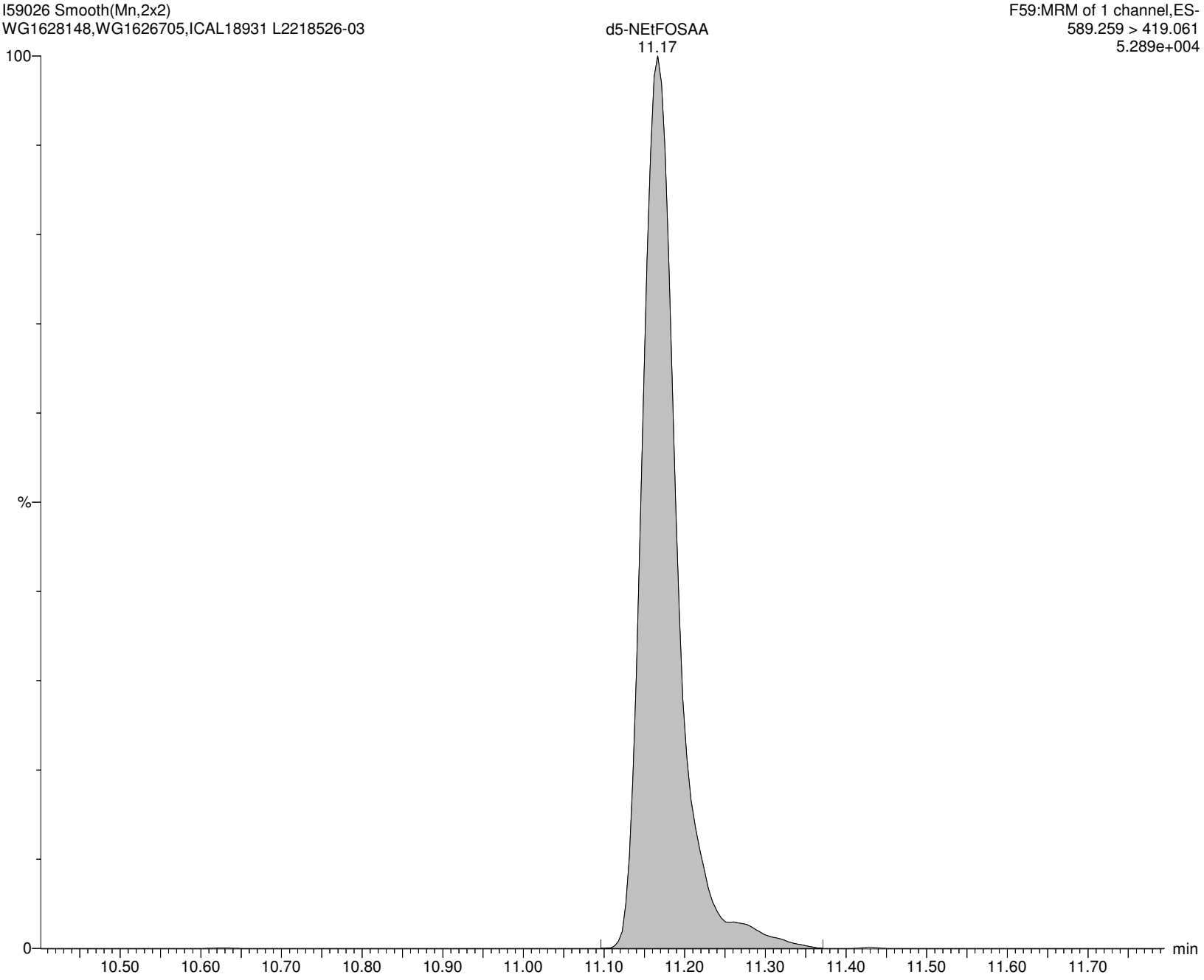


all concentration units in (ng/mL)

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Date: 18-Apr-2022
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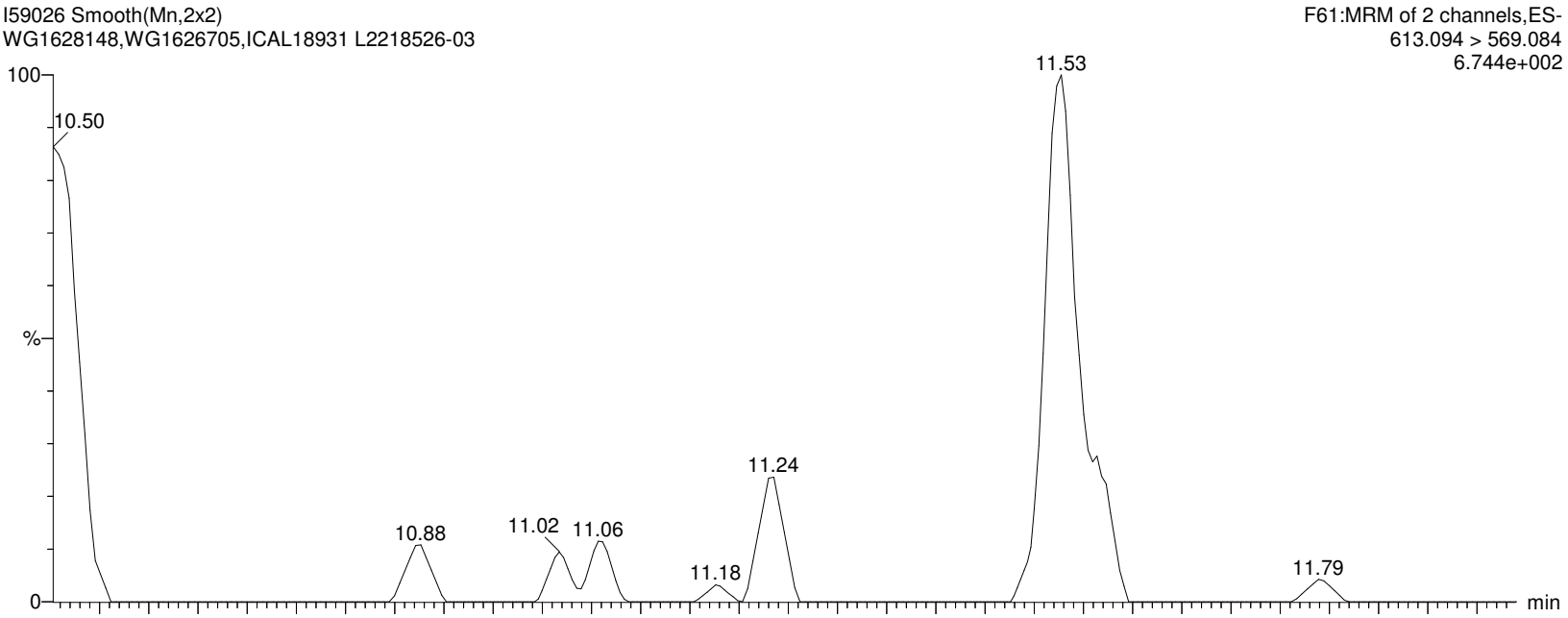


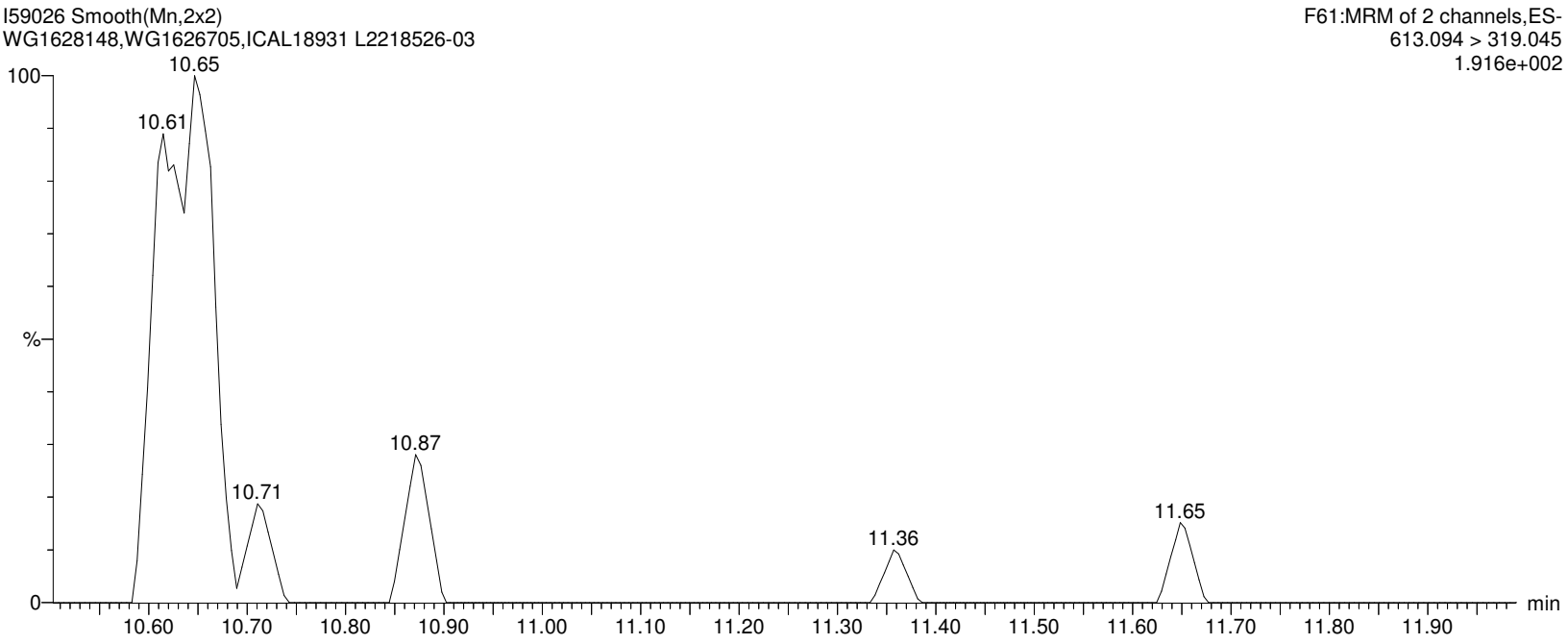
all concentration units in (ng/mL)

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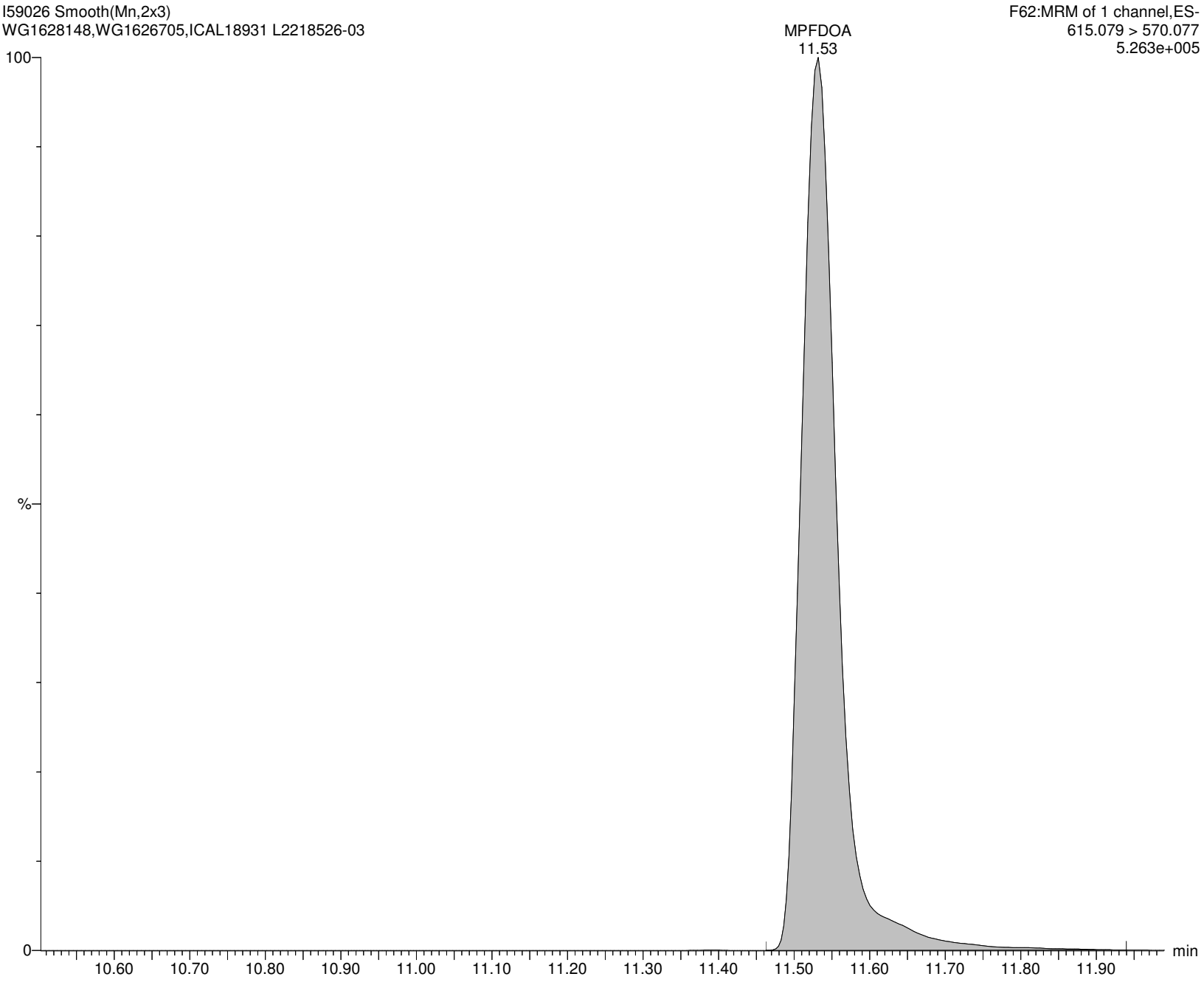


all concentration units in (ng/mL)

Alpha Analytical Inc.
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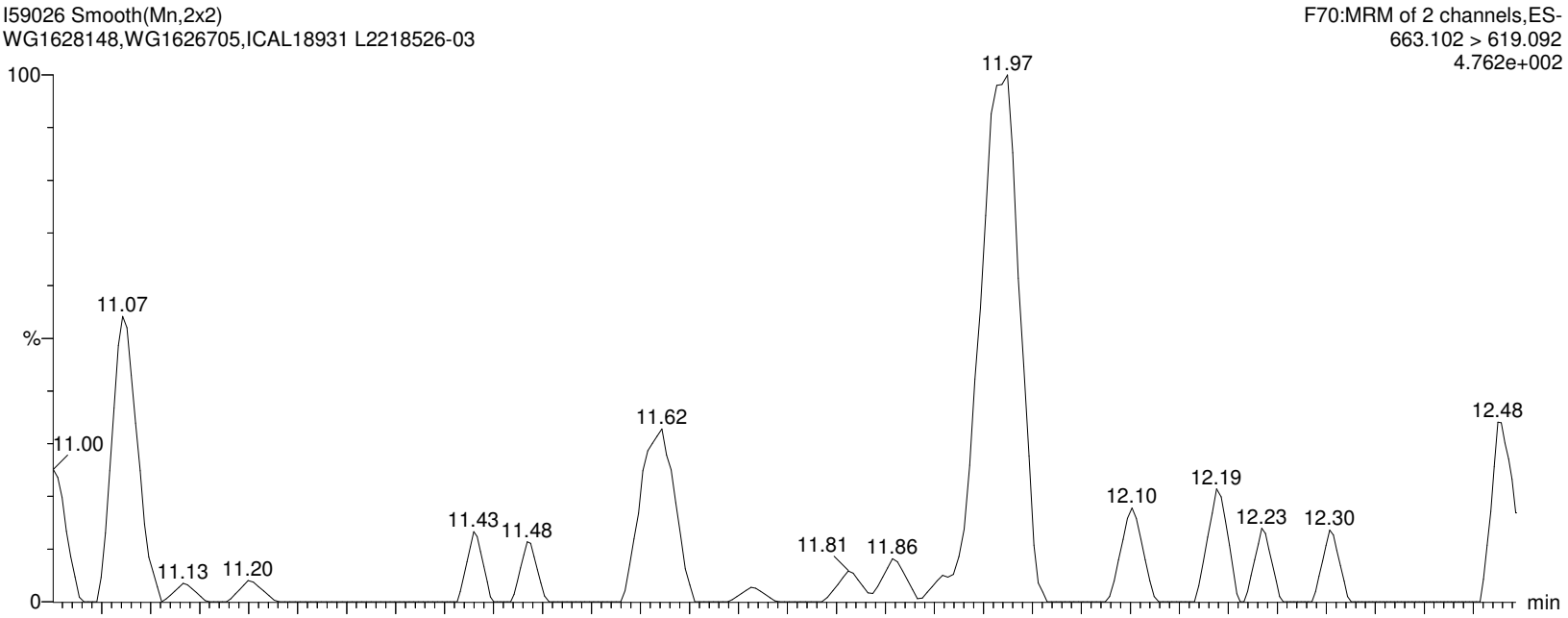


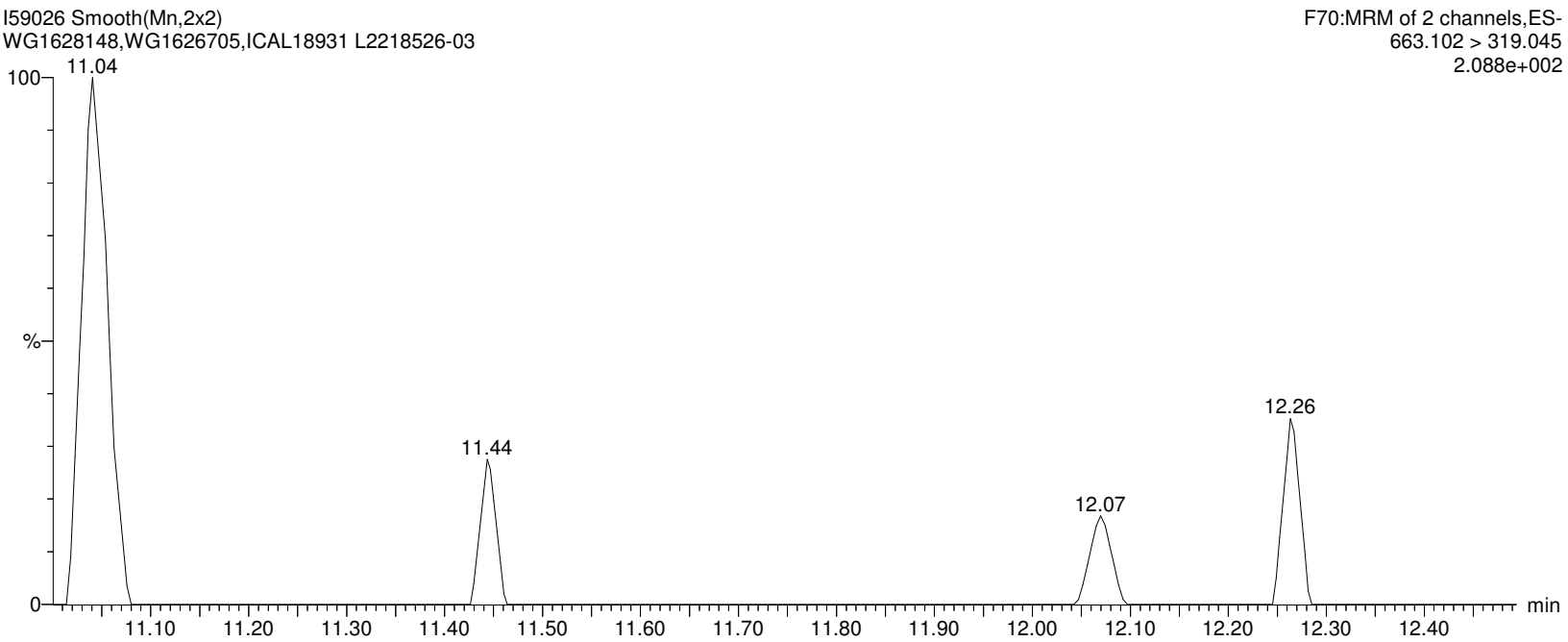
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 18-Apr-2022
Time: 00:28:13
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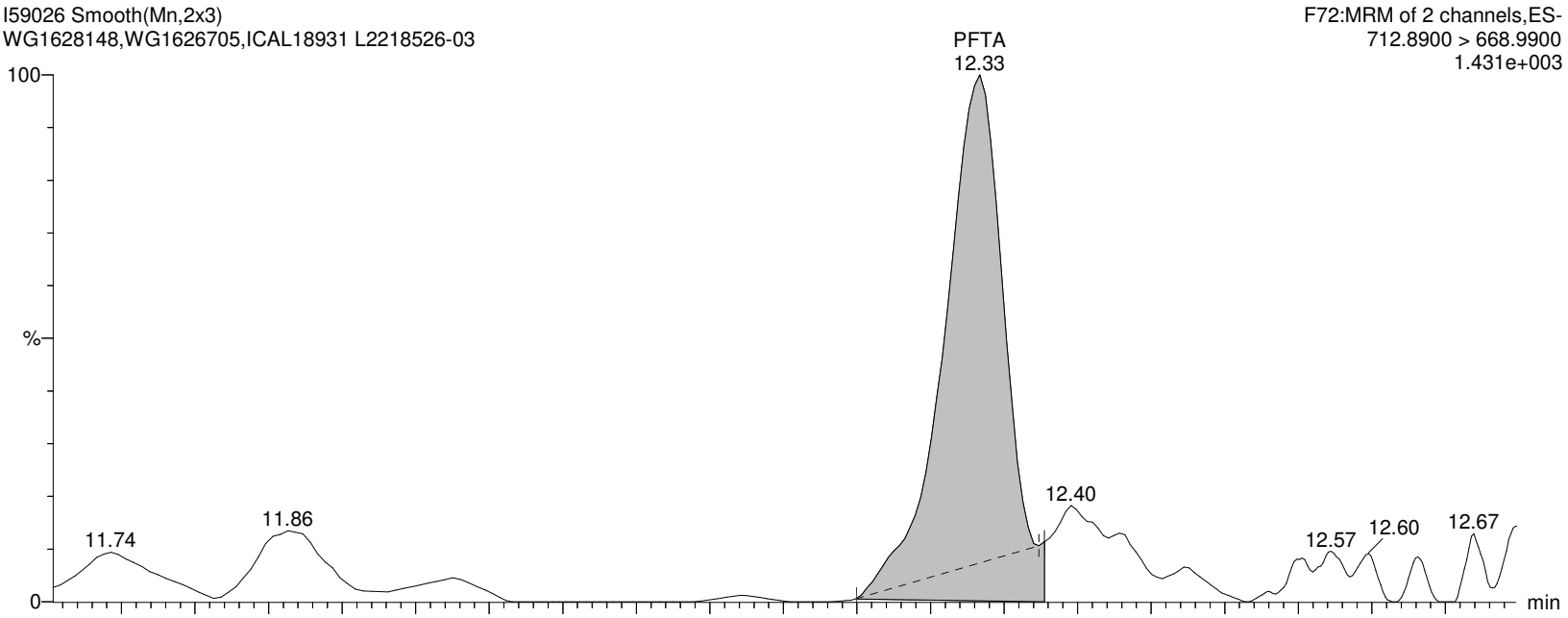


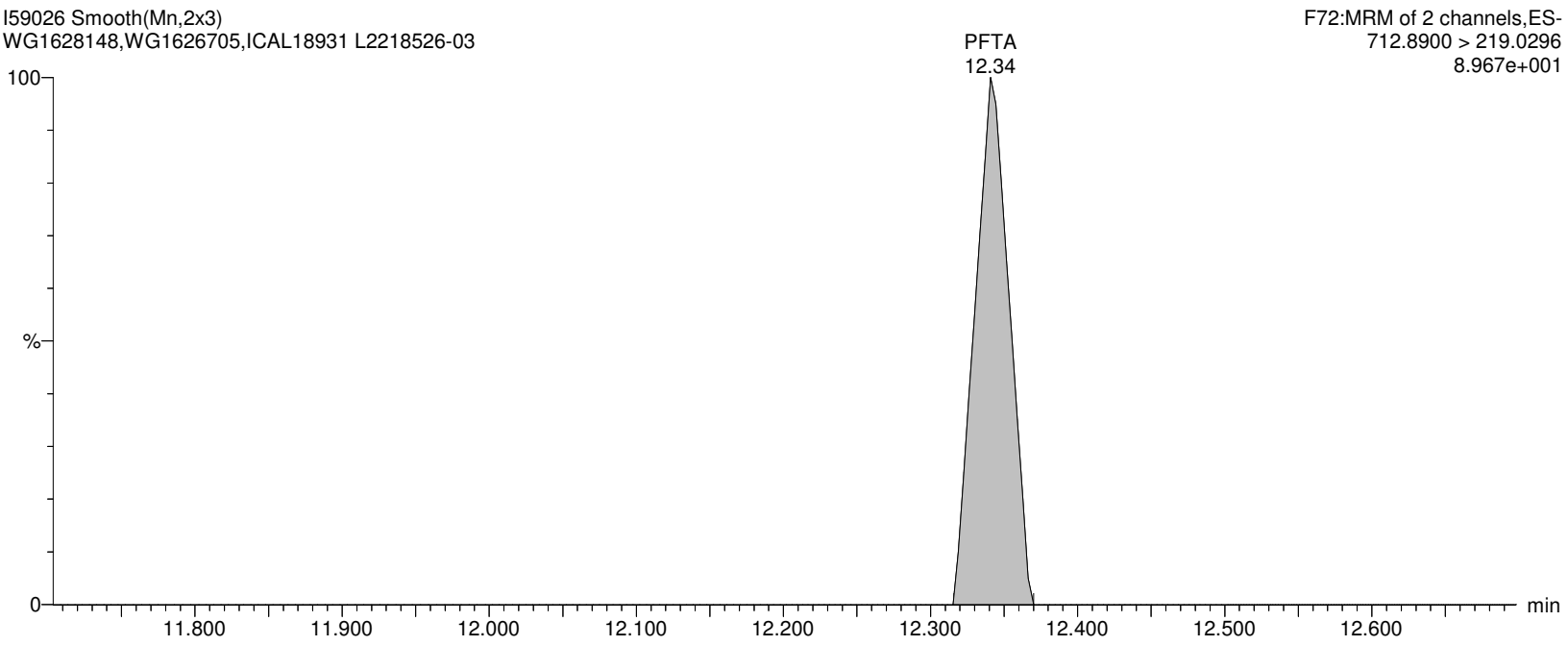
all concentration units in (ng/mL)

Alpha Analytical Inc.
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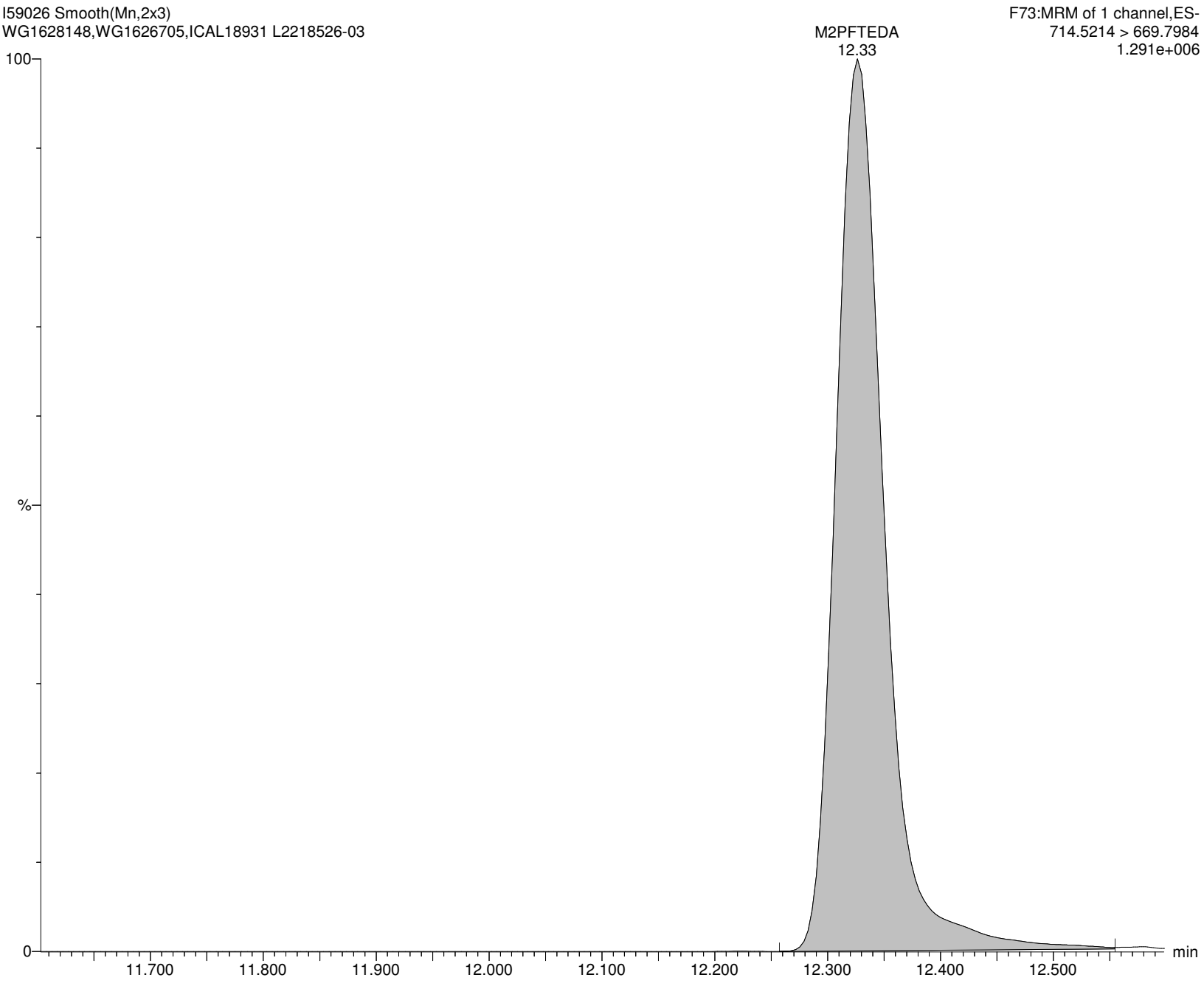


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2PFTEDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	2726		1.286		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	26538		10.418		na	104.2
3	MPFBA	INT STD	2.11	217.001 > 171.999	24707		8.345		na	83.5
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	3346		1.357		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	31923		8.778		na	87.8
6	PFBS	375-73-5	5.64	299.092 > 80.062	1758		1.925	2.01	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	8255		8.969		na	96.2
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	6598		16.061		na	171.2
10	PFHxA	307-24-4	6.88	313.047 > 269.037	4149		1.019	15.14	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	41876		7.202		na	72.0
12	PFPeS	2706-91-4	7.19	349.1 > 80.062	98	M4	0.109	1.72	NO	
13	PFHpA	375-85-9	8.16	363.055 > 319.045	3738		0.647	6.87	NO	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	57451		8.256		na	82.6
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	92	M5,M7	0.136	1.90	NO	
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	387	M7	0.495	1.57	NO	
17	PFHxS	355-46-4		399.107 > 80.062	479		0.631		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	8396		9.728		na	102.6
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	2259	M5,M7	0.267	3.51	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	22092		2.616	9.26	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	24351		2.883		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	85797		9.139		na	91.4
23	M2PFOA	INT STD	9.11	414.828 > 369.935	86784		13.308		na	133.1
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	23	M7	0.055	2.72	NO	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	3931		10.645		na	111.9
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	1376		0.208	3.75	NO	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	77590		8.851		na	88.5
29	br-PFOS	1763-23-1	9.67	498.9030 > 79.9520	1836	M5,M7	1.513	4.90	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	2173		2.297	1.73	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	4008		3.810		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	8778		13.456		na	134.6
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	10554		9.348		na	97.5
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	405	M7	0.060	5.24	NO	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	76018		14.161		na	141.6
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	72612		8.008		na	80.1
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1842		7.483		na	77.9
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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ID: L2218526-04
Name: I59027
Date: 18-Apr-2022
Time: 00:44:47
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	2324		6.192		na	61.9
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	38018		7.048		na	70.5
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.90	506.077 > 78.07	2978		1.175		na	11.8
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	1649		5.265		na	52.7
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.54	615.079 > 570.077	19299		5.631		na	56.3
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7		712.8900 > 668.9900			ND		YES	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	45730		6.318		na	63.2

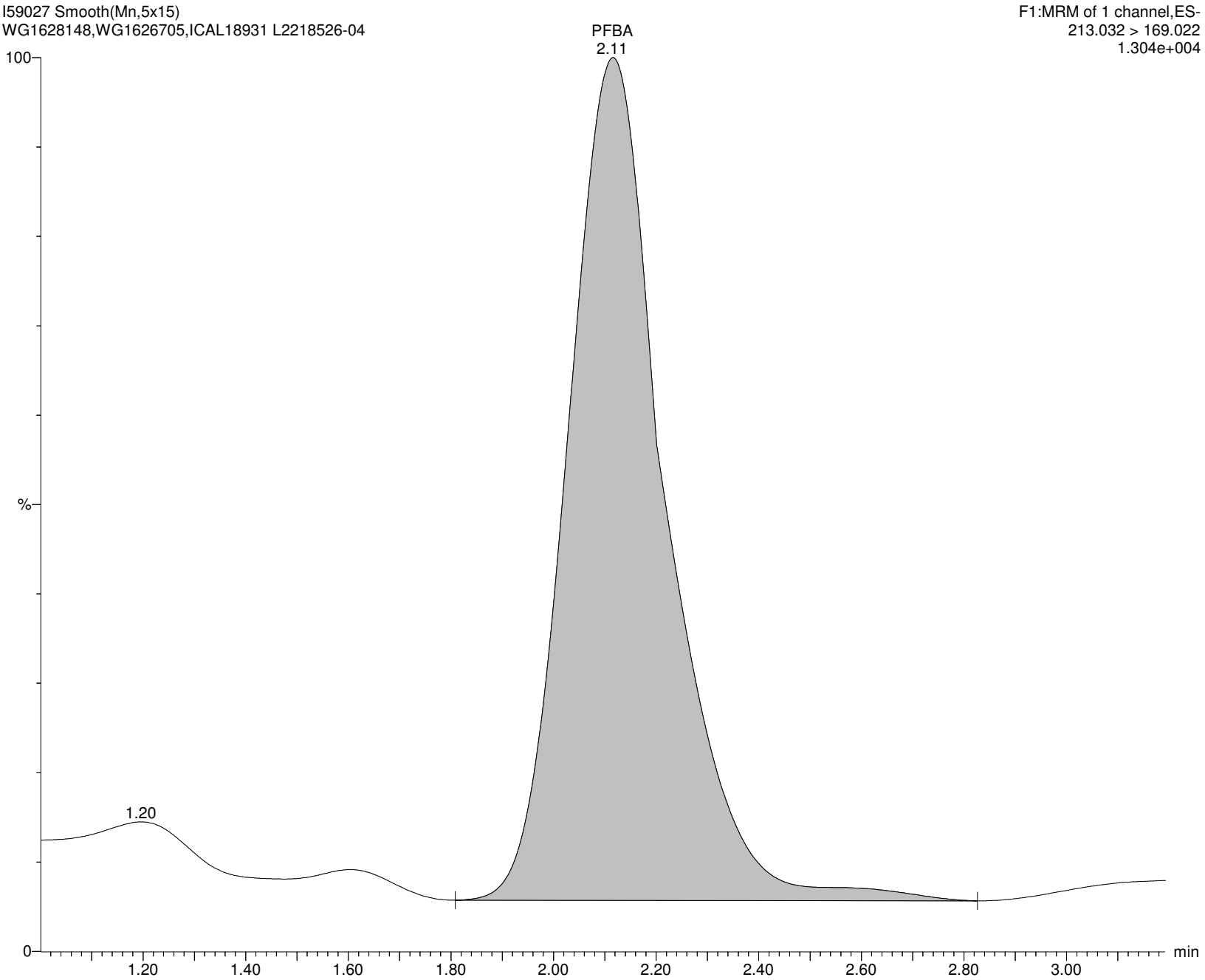
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PFBA

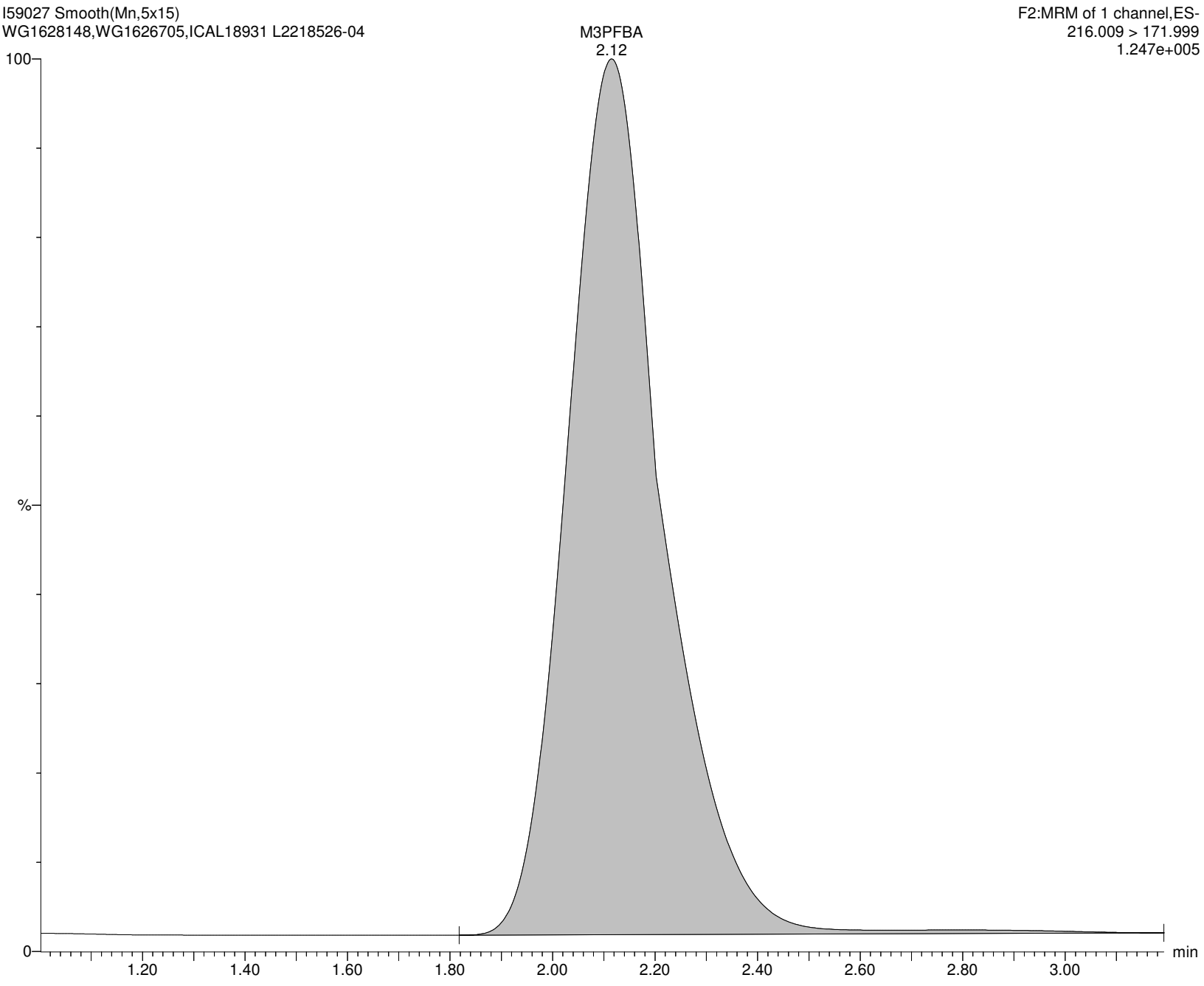


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M3PFBA

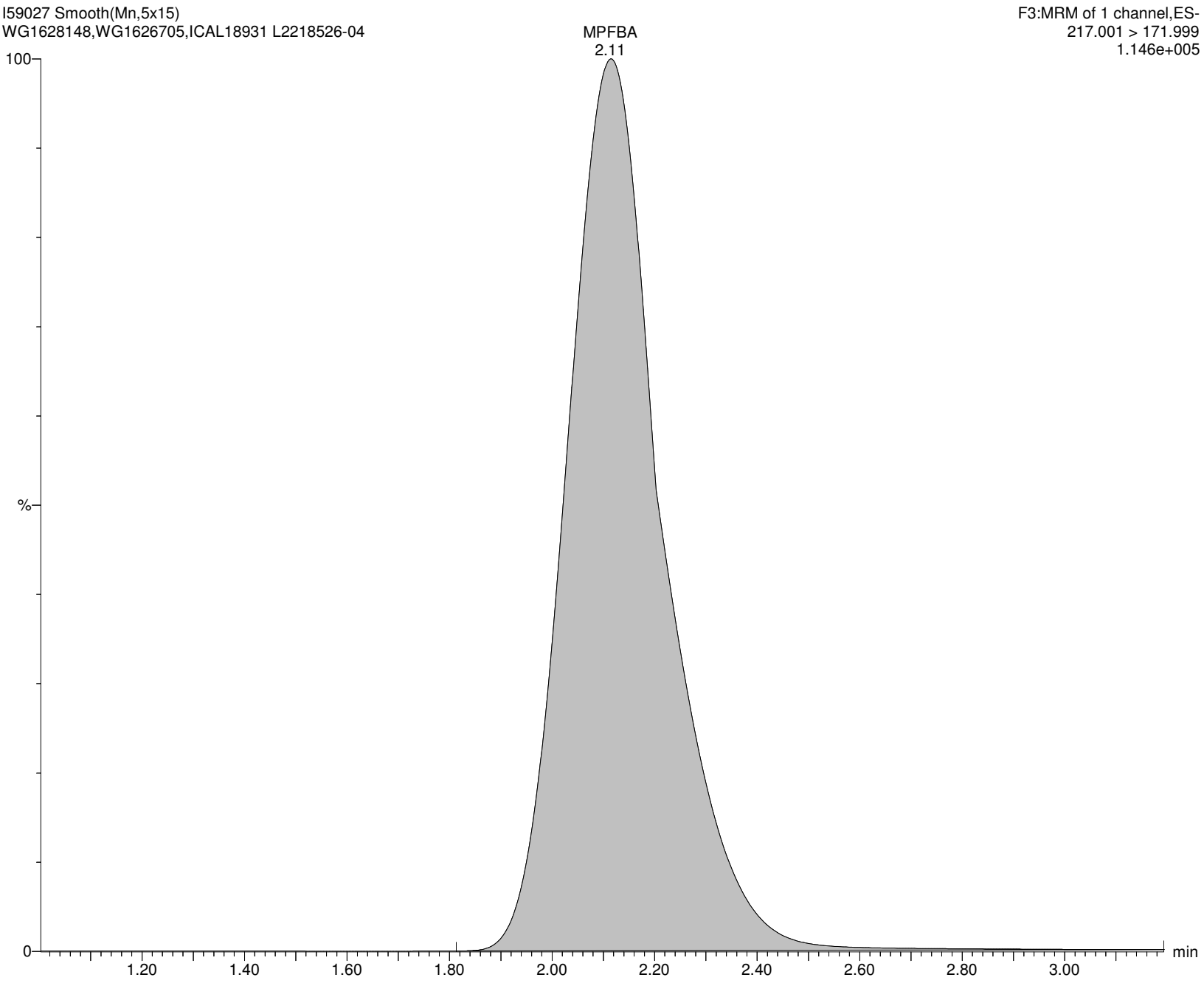


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MPFBA

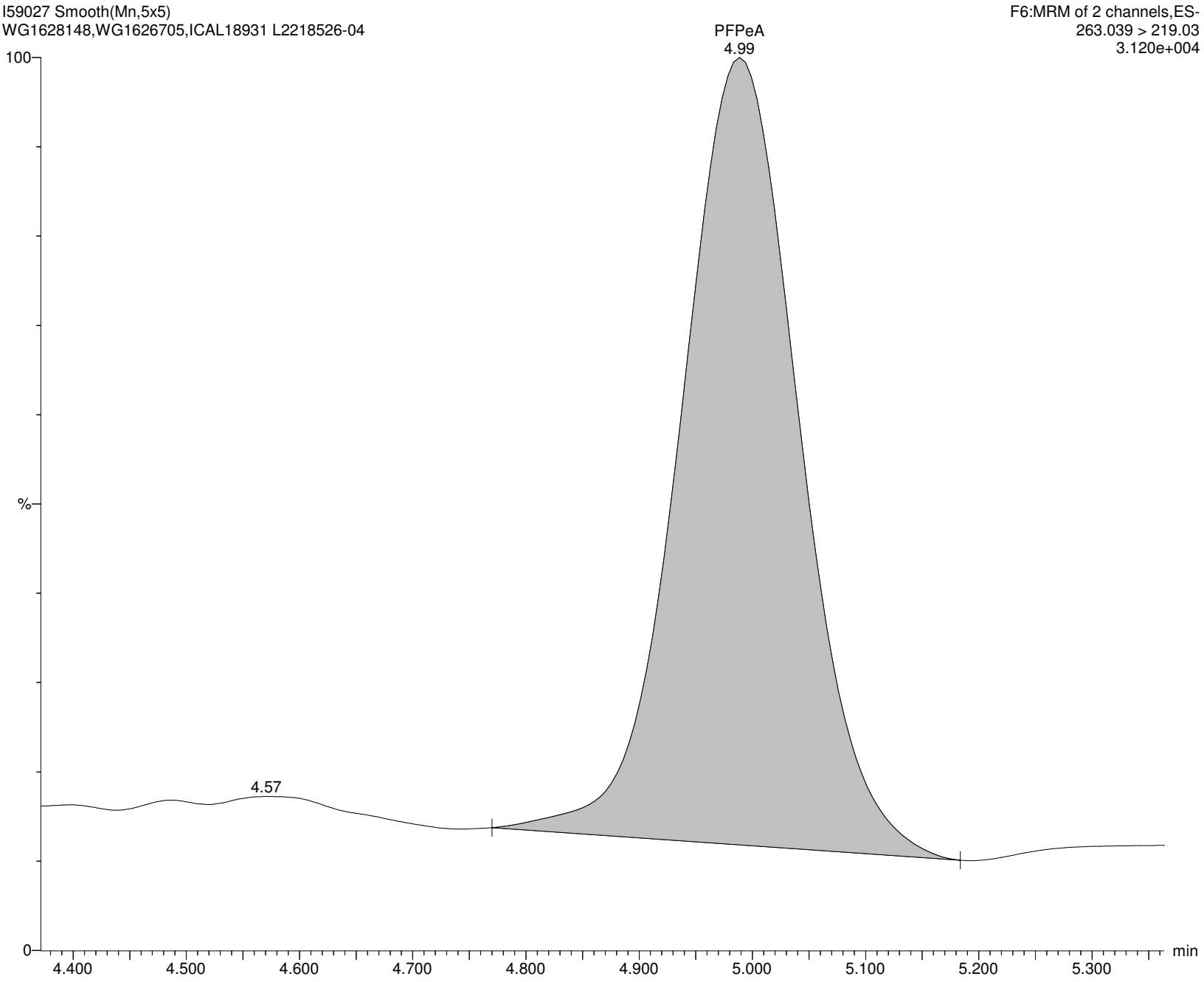


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PFPeA

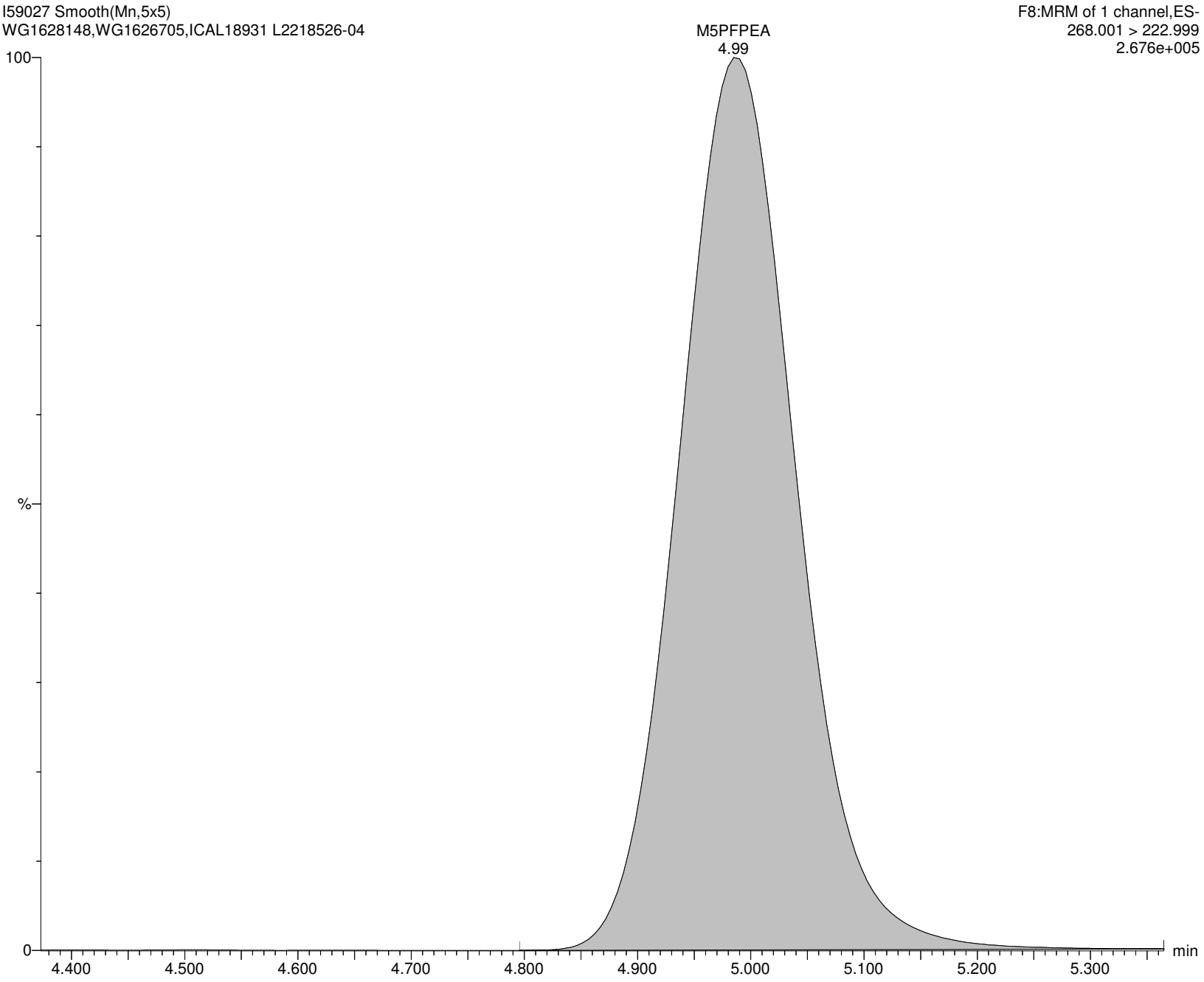


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M5PFPEA

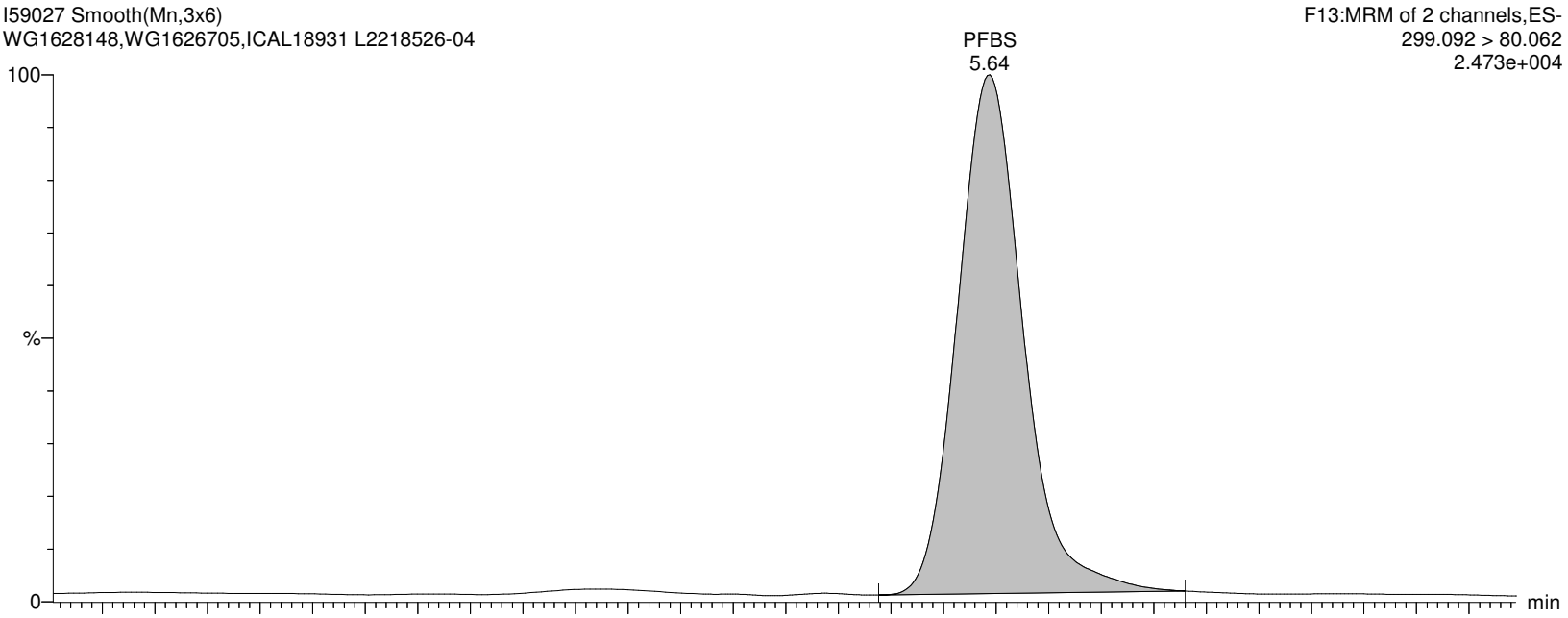


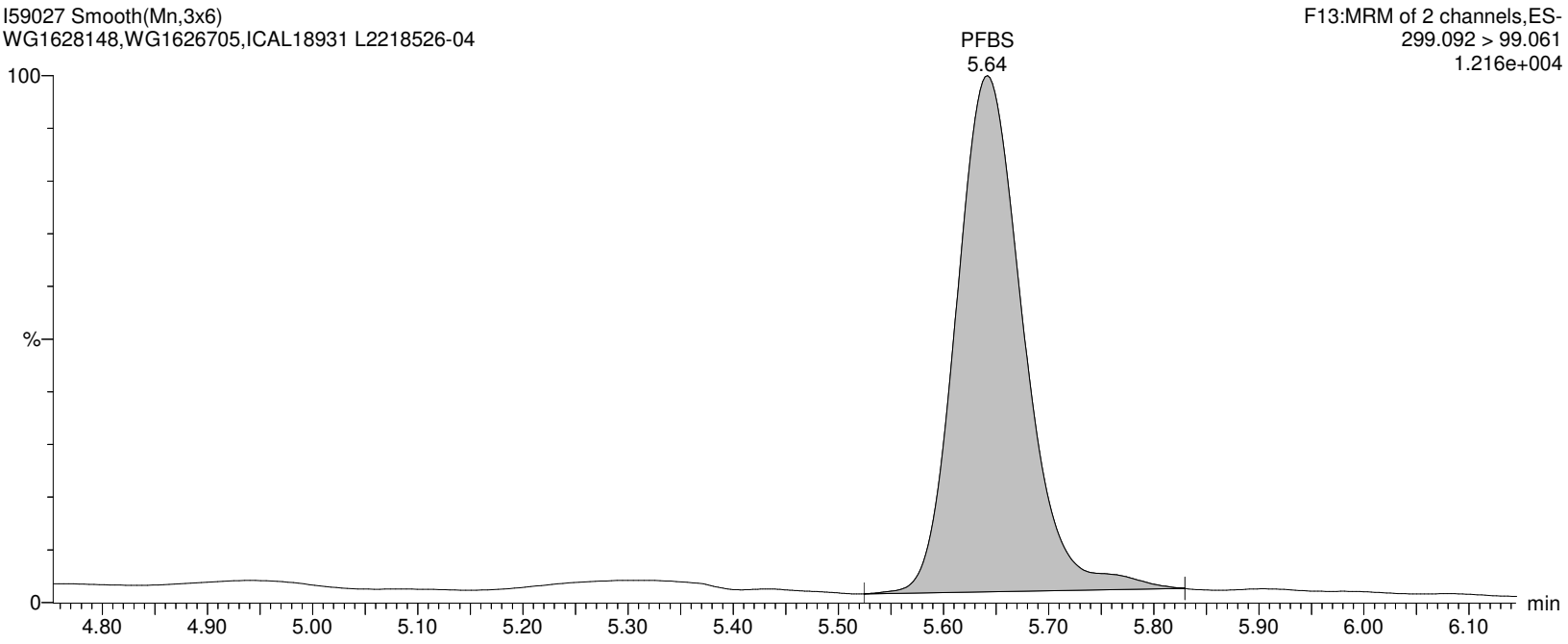
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PFBS



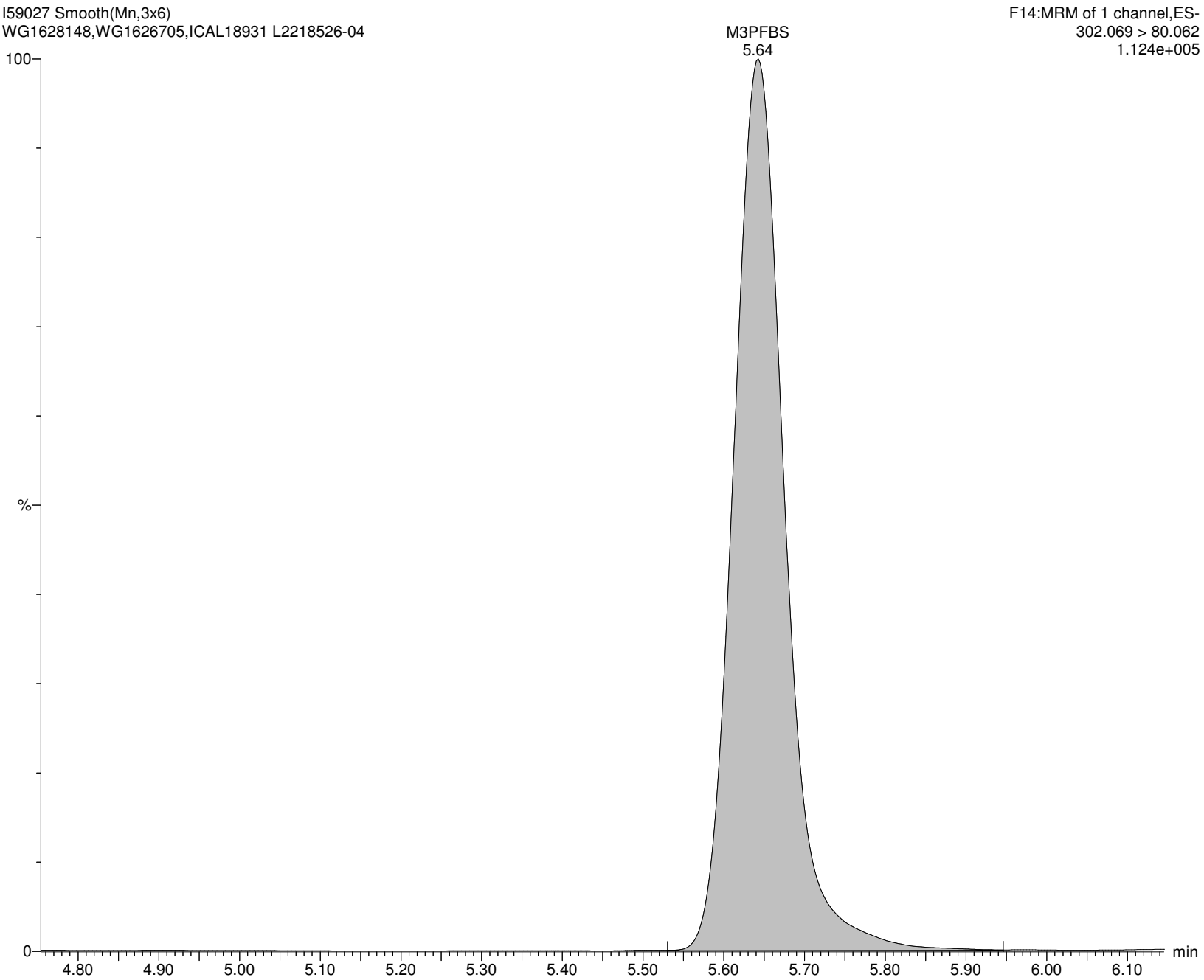


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M3PFBS

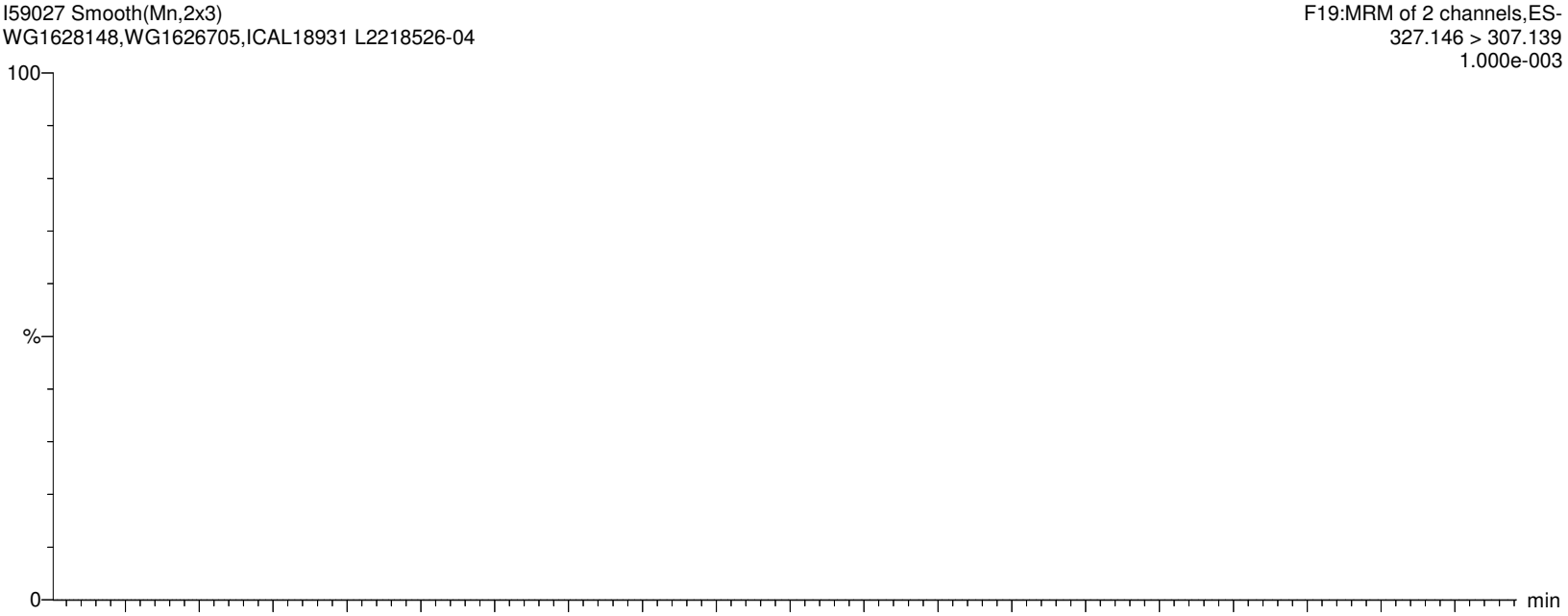


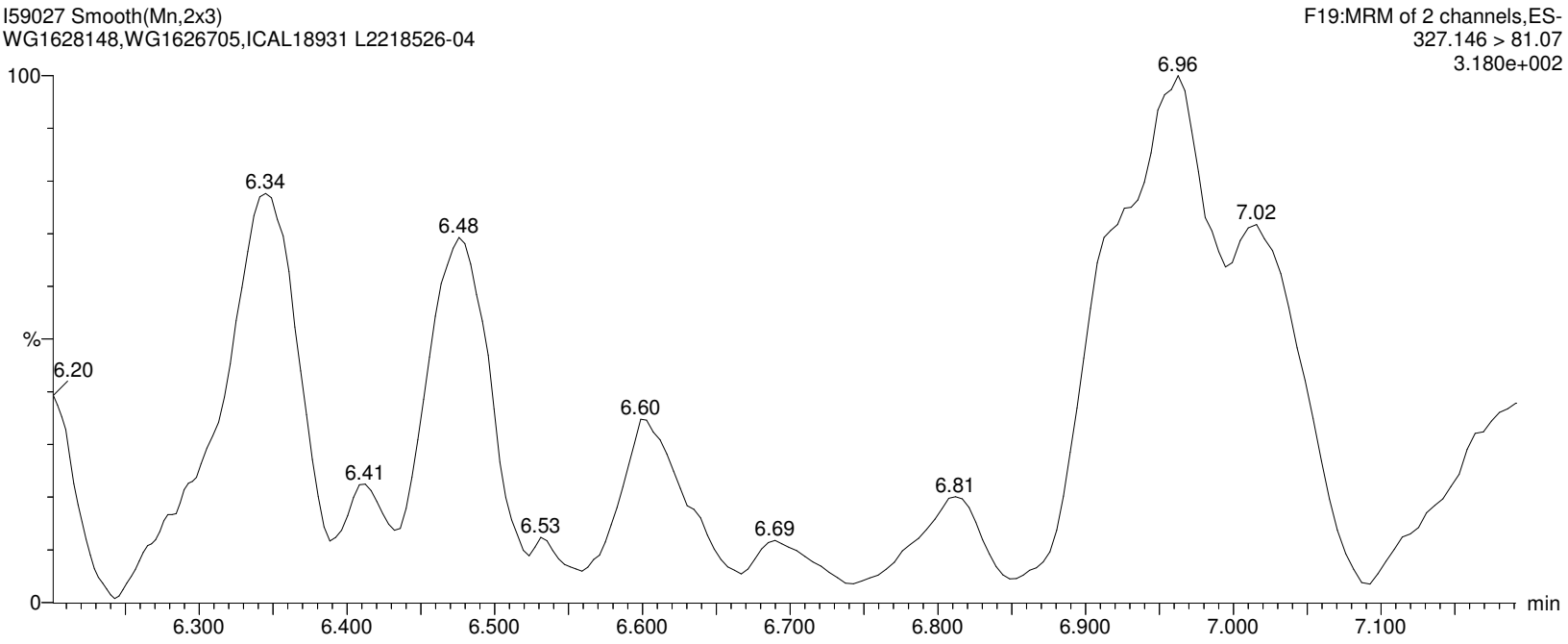
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4:2FTS



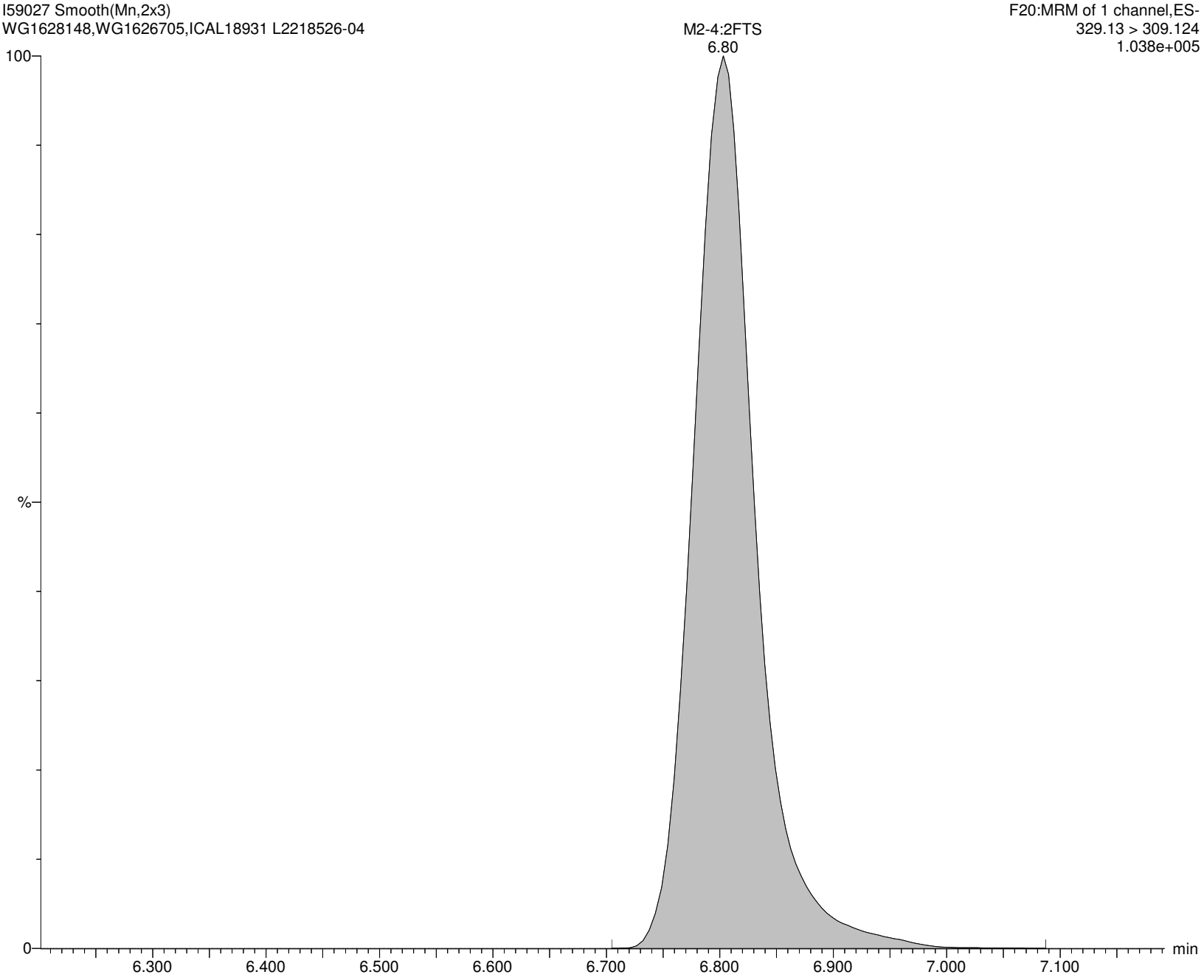


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M2-4:2FTS

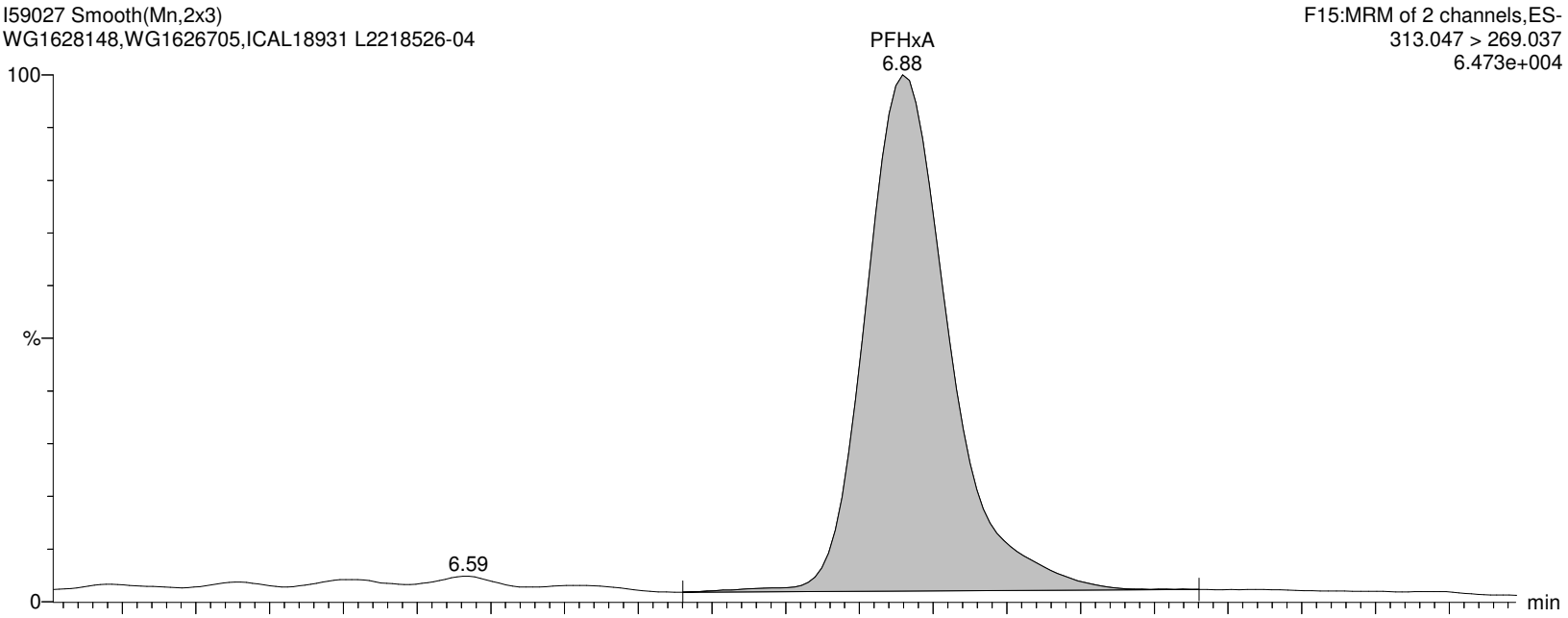


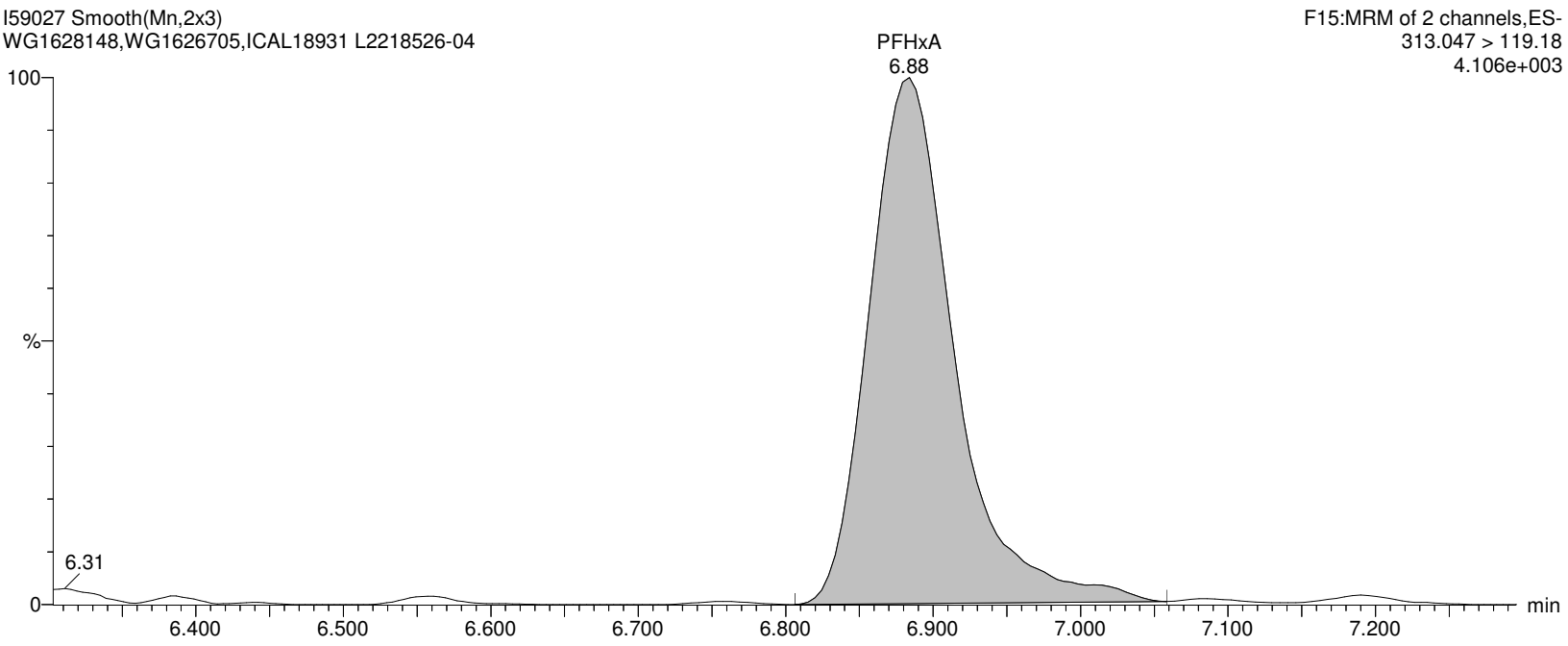
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PFHxA



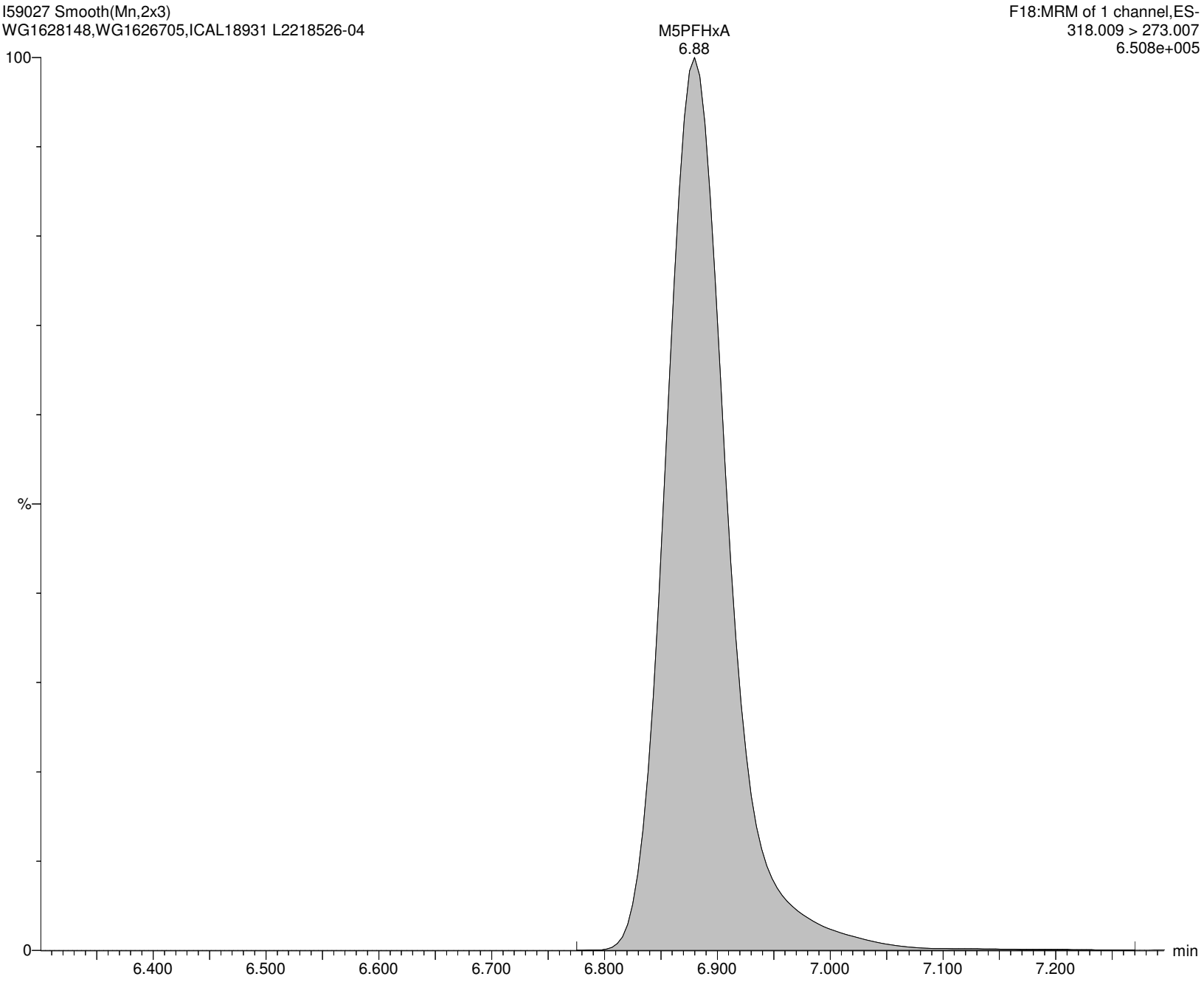


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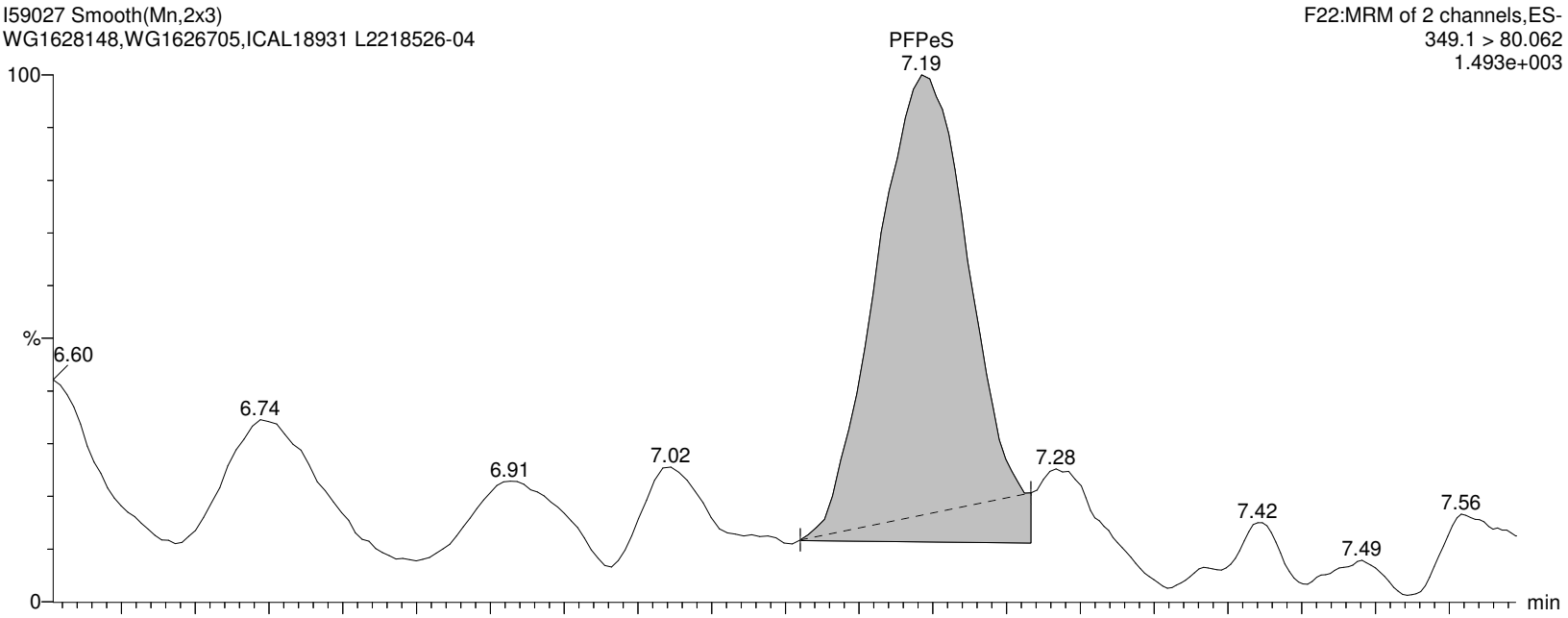


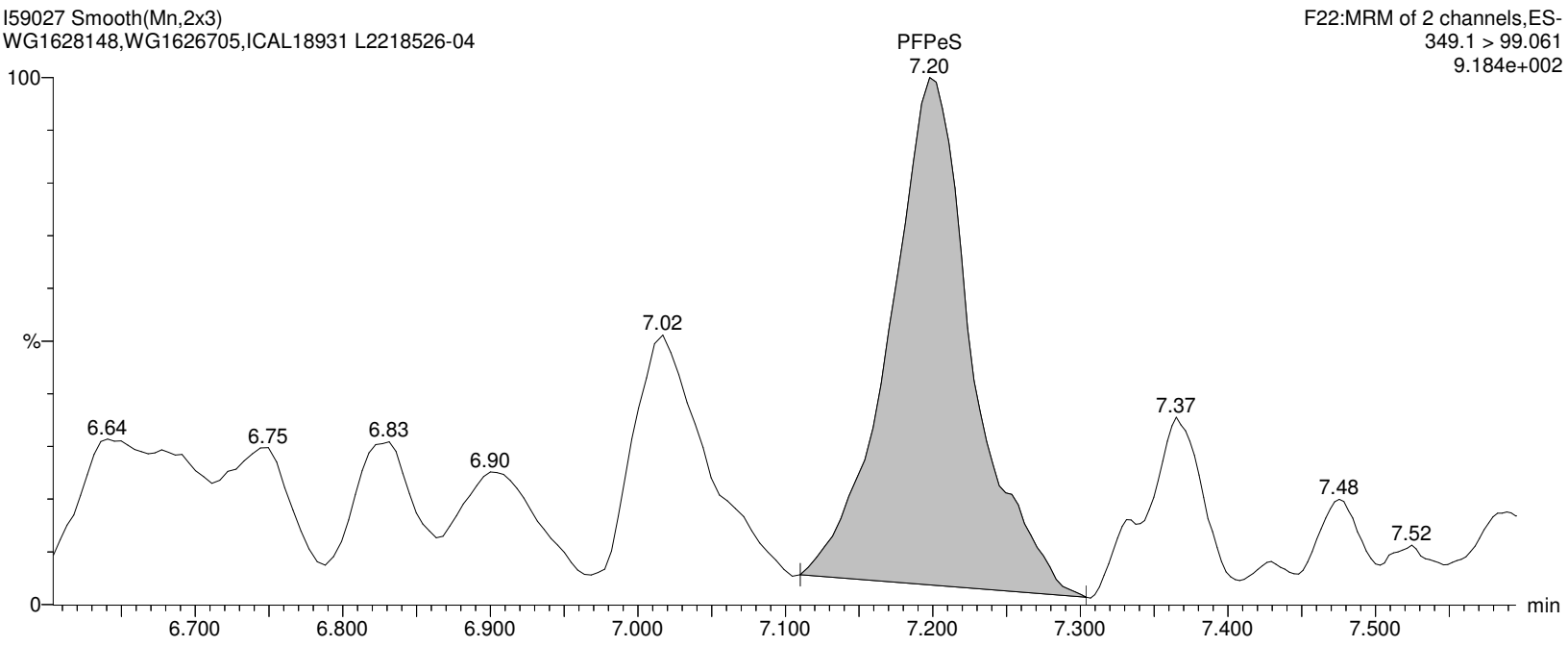
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:08 Eastern Daylight Time

Name: I59027
ID: L2218526-04
Date: 18-Apr-2022
Time: 00:44:47
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
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PFPeS



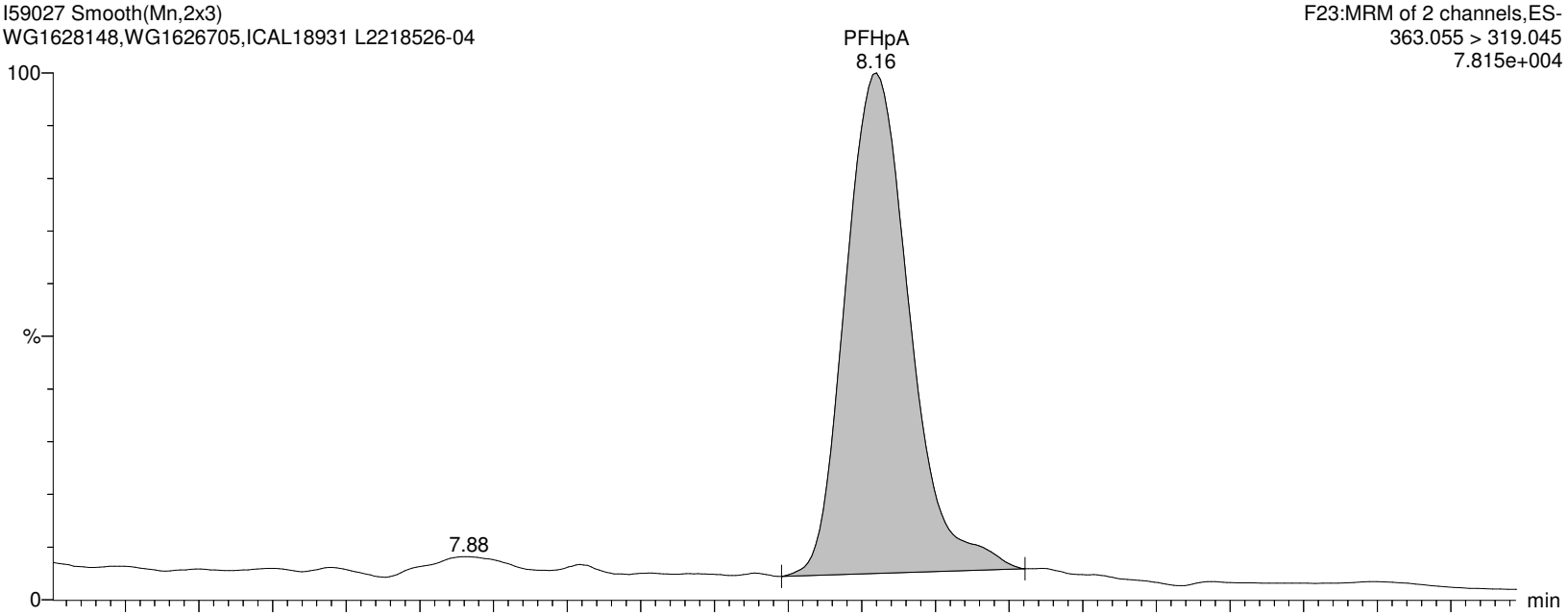


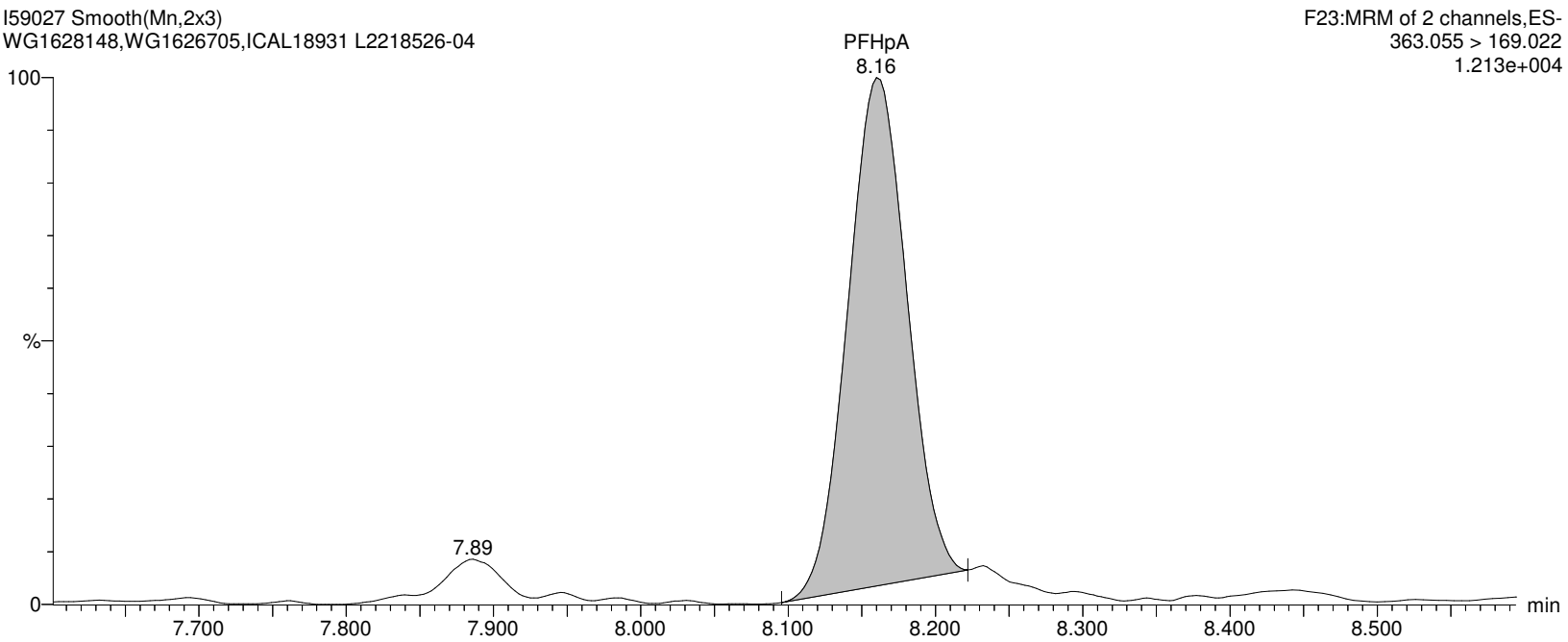
all concentration units in (ng/mL)

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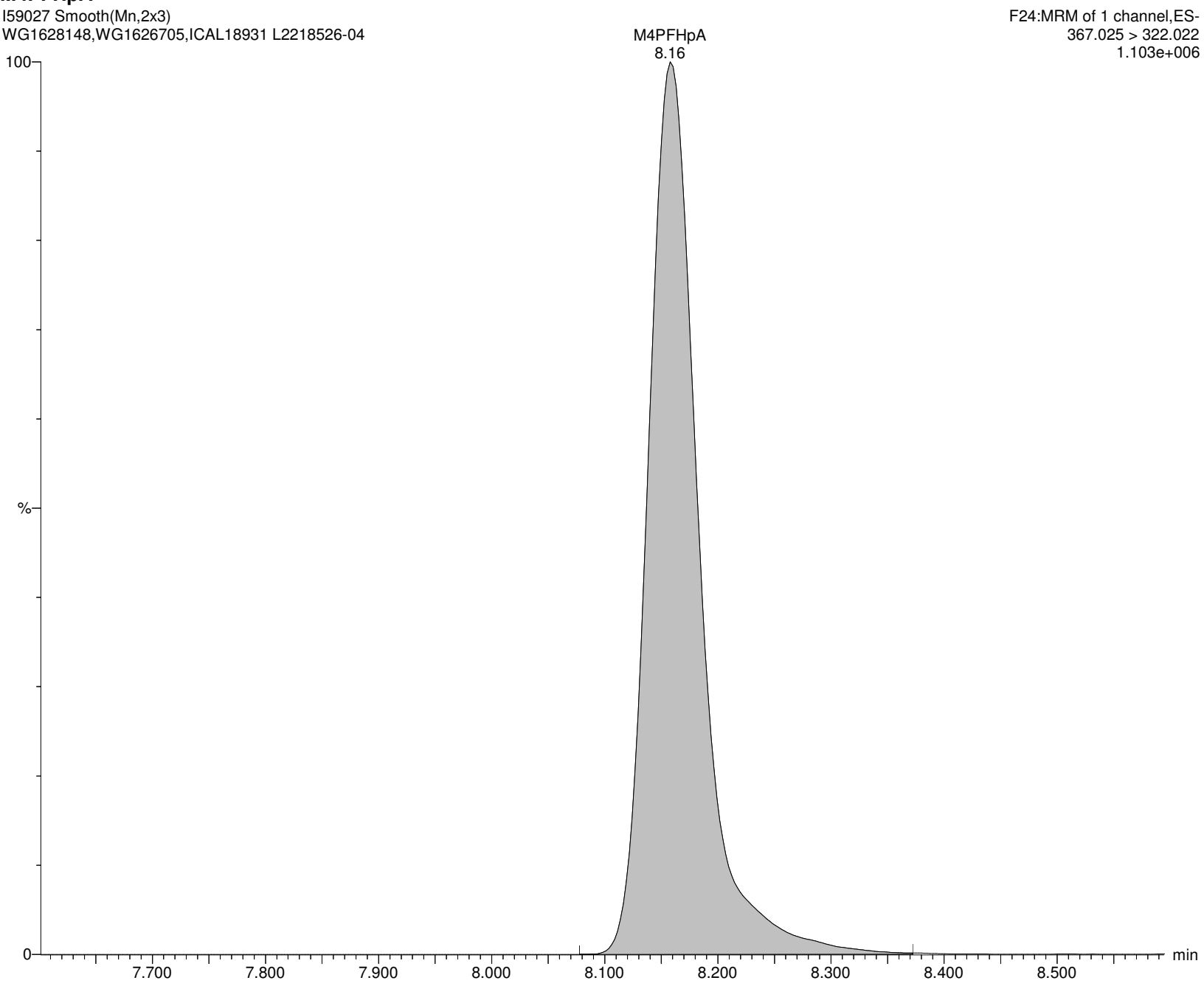


all concentration units in (ng/mL)

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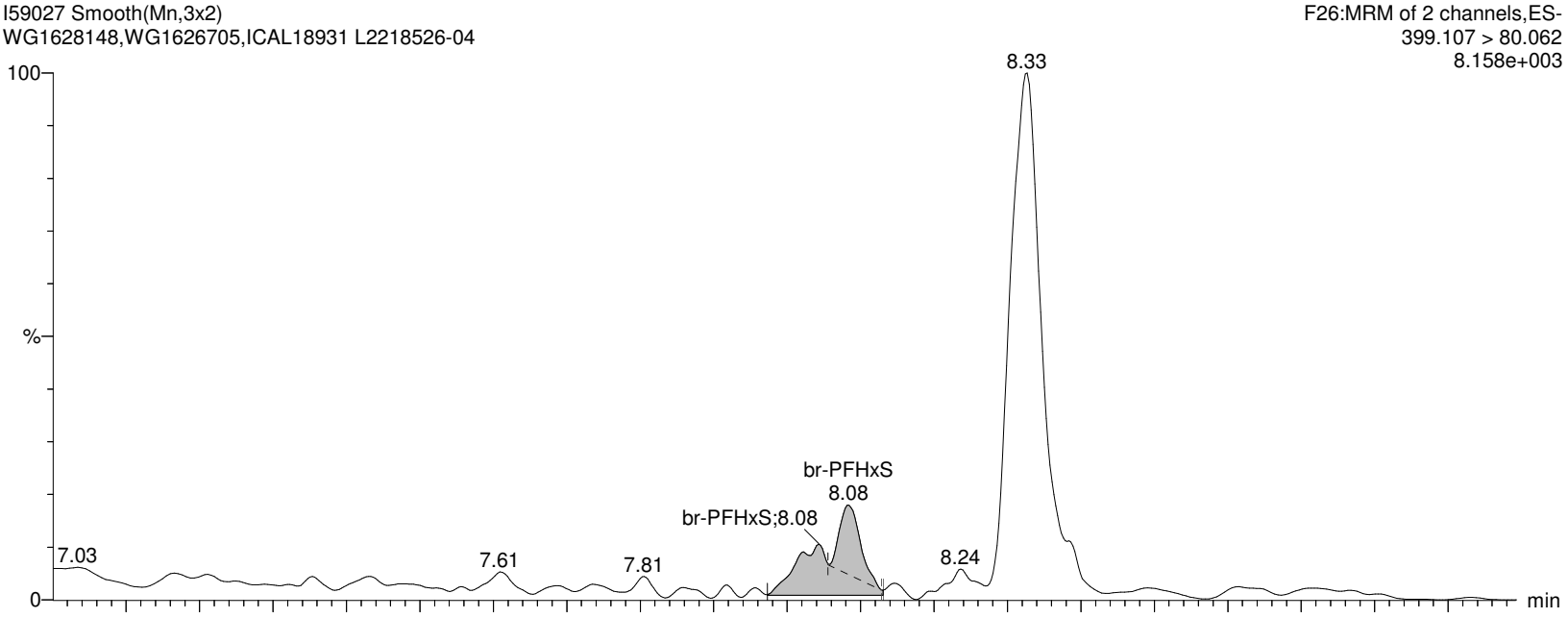


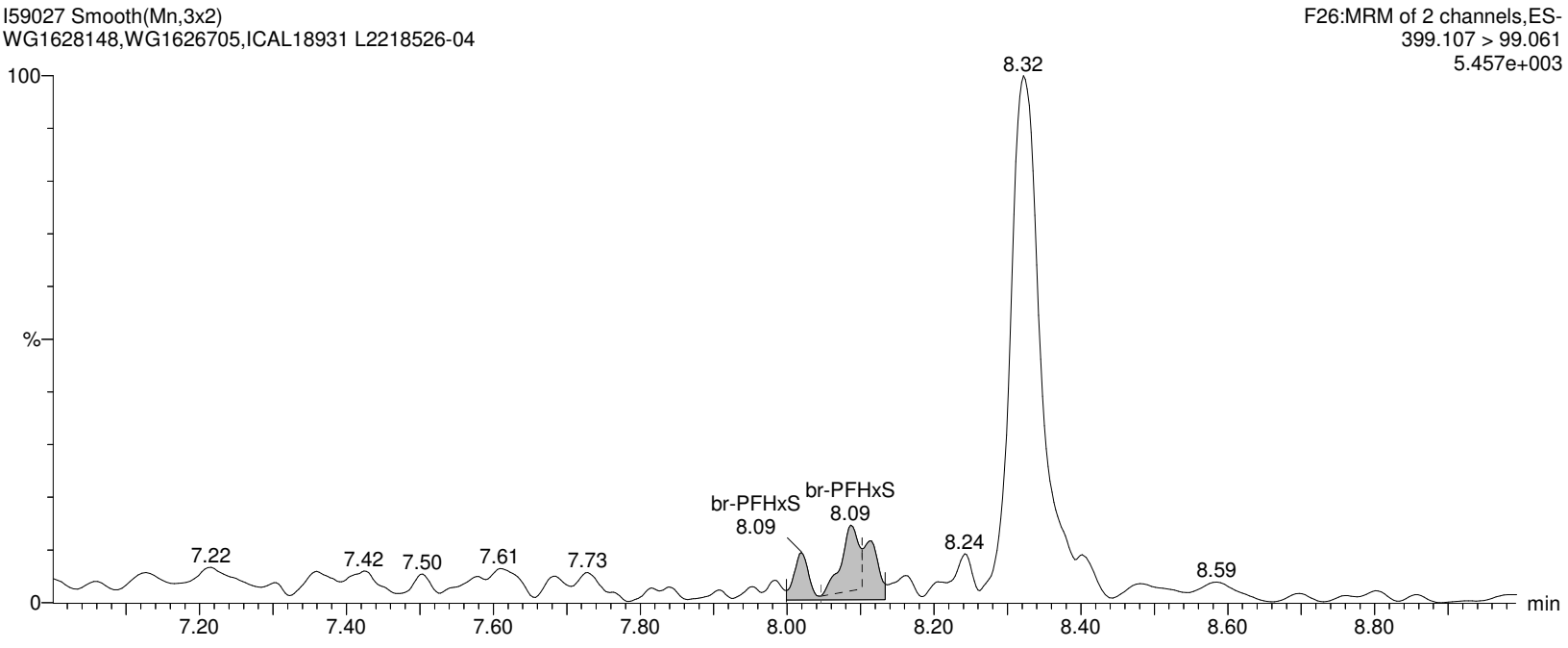
all concentration units in (ng/mL)

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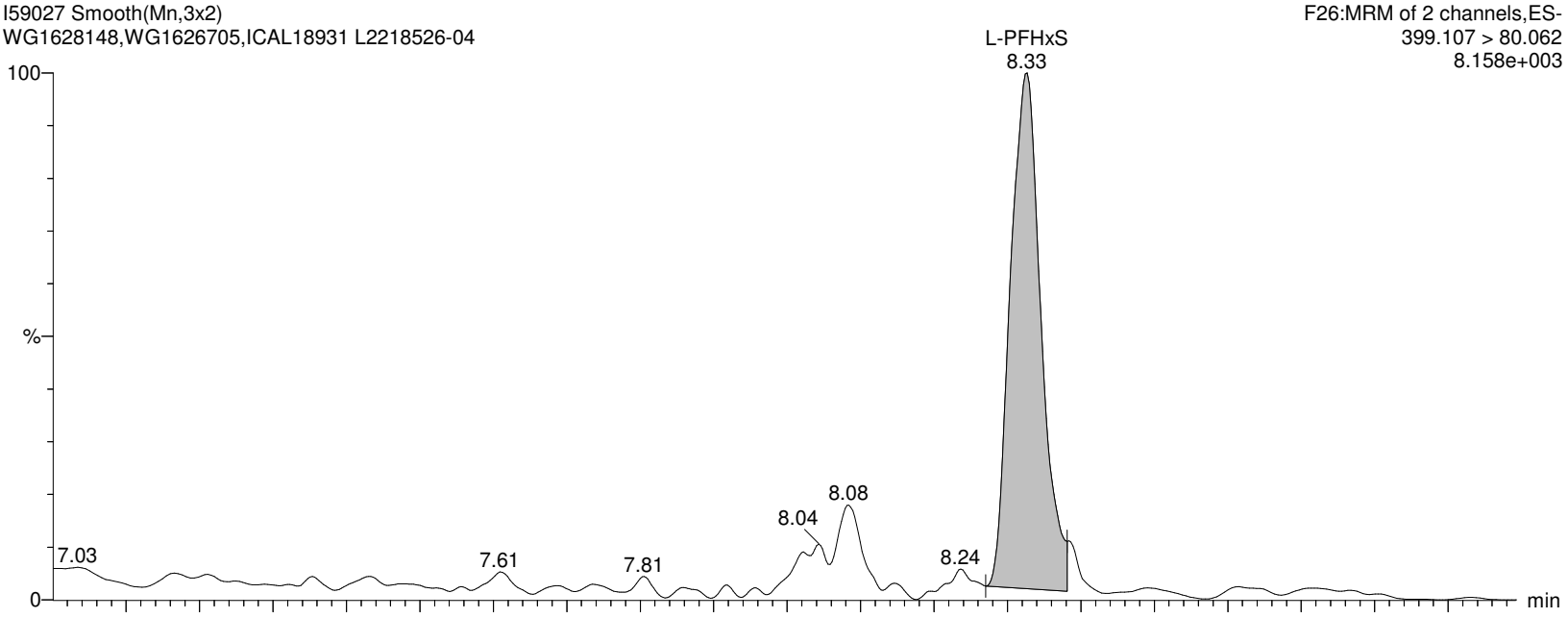


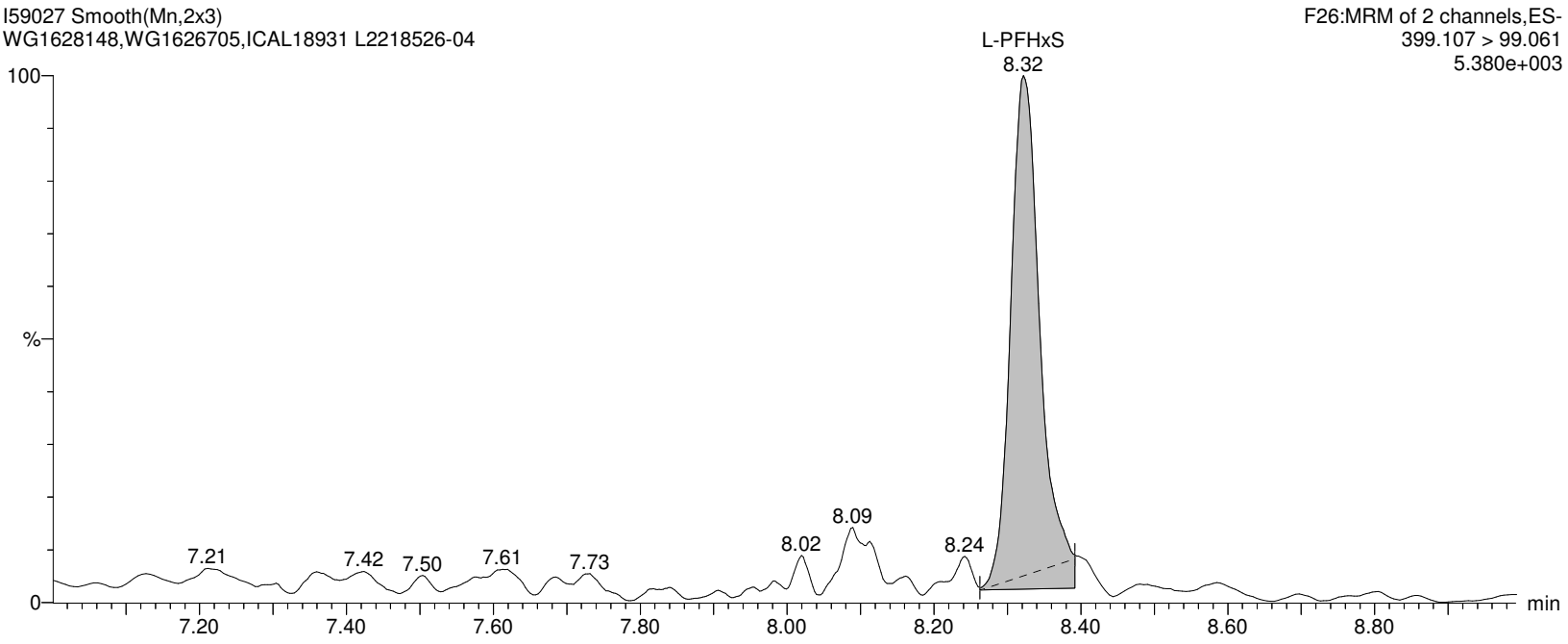
all concentration units in (ng/mL)

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L-PFHxS



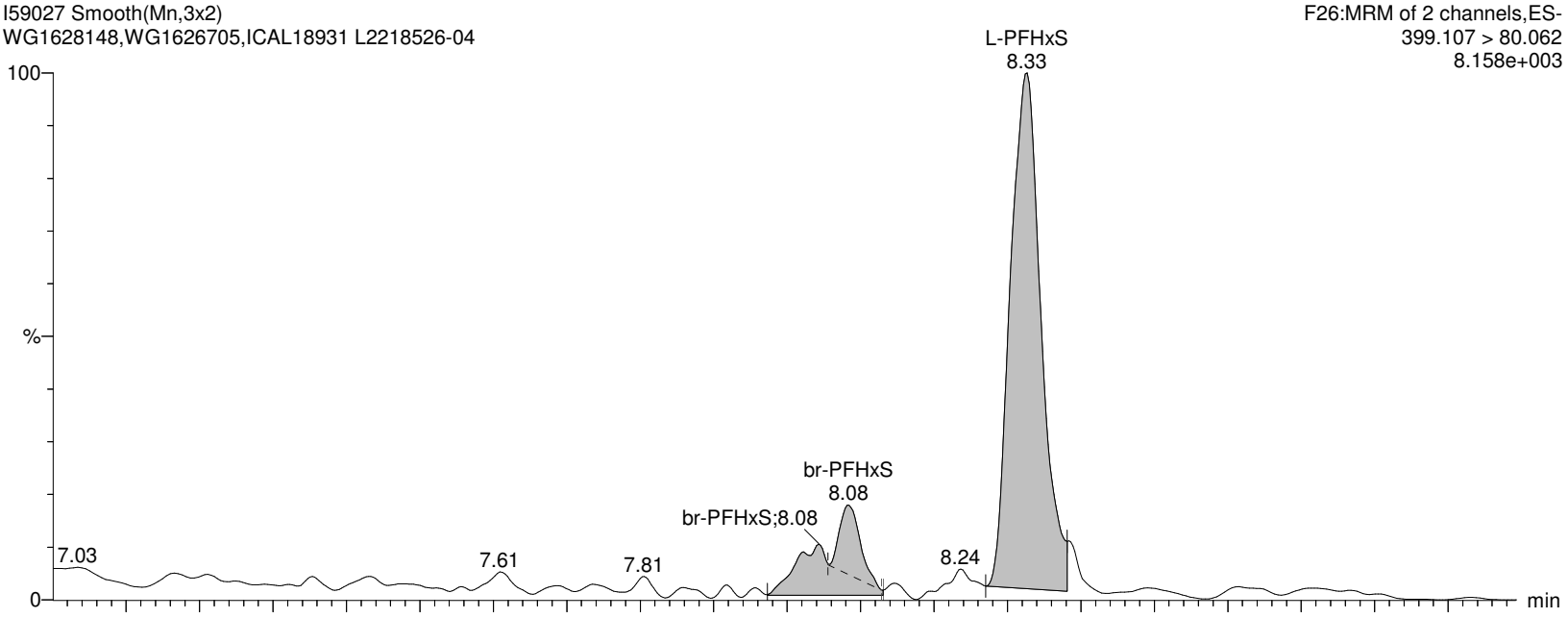


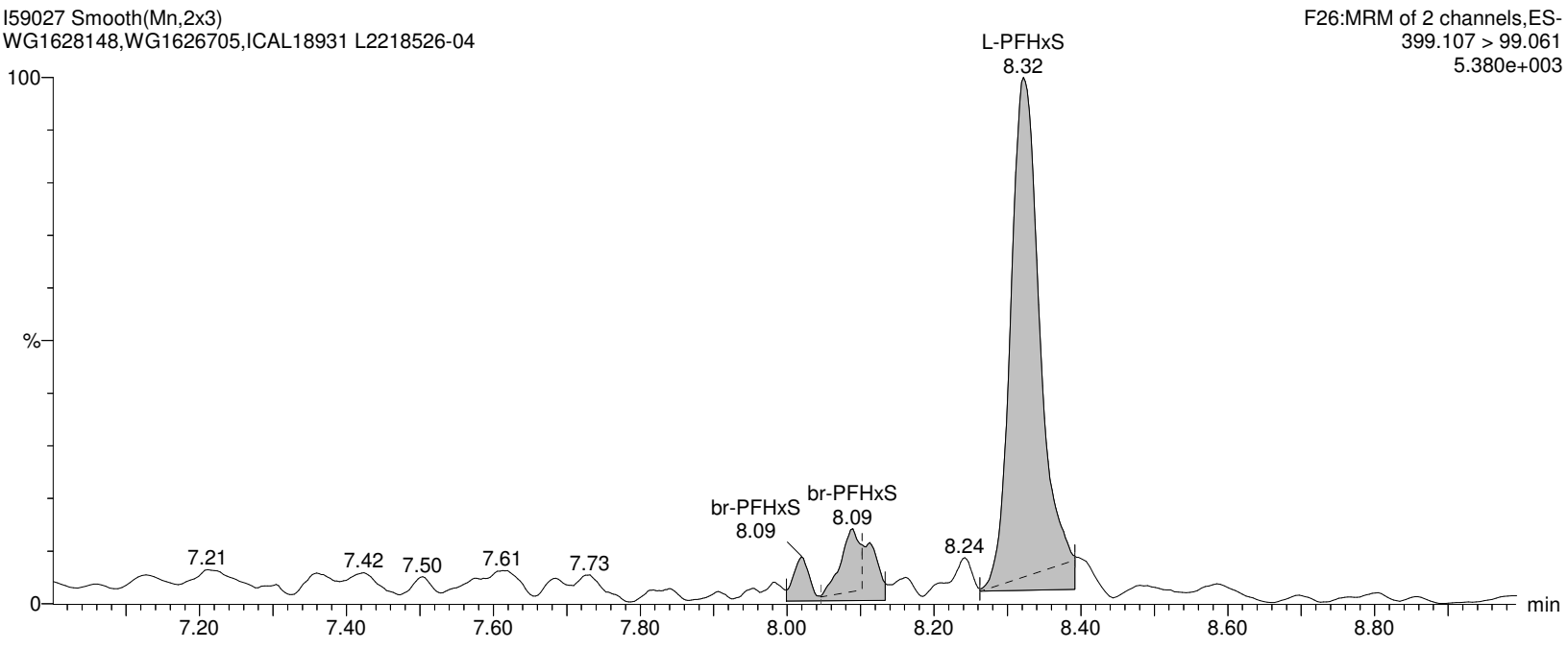
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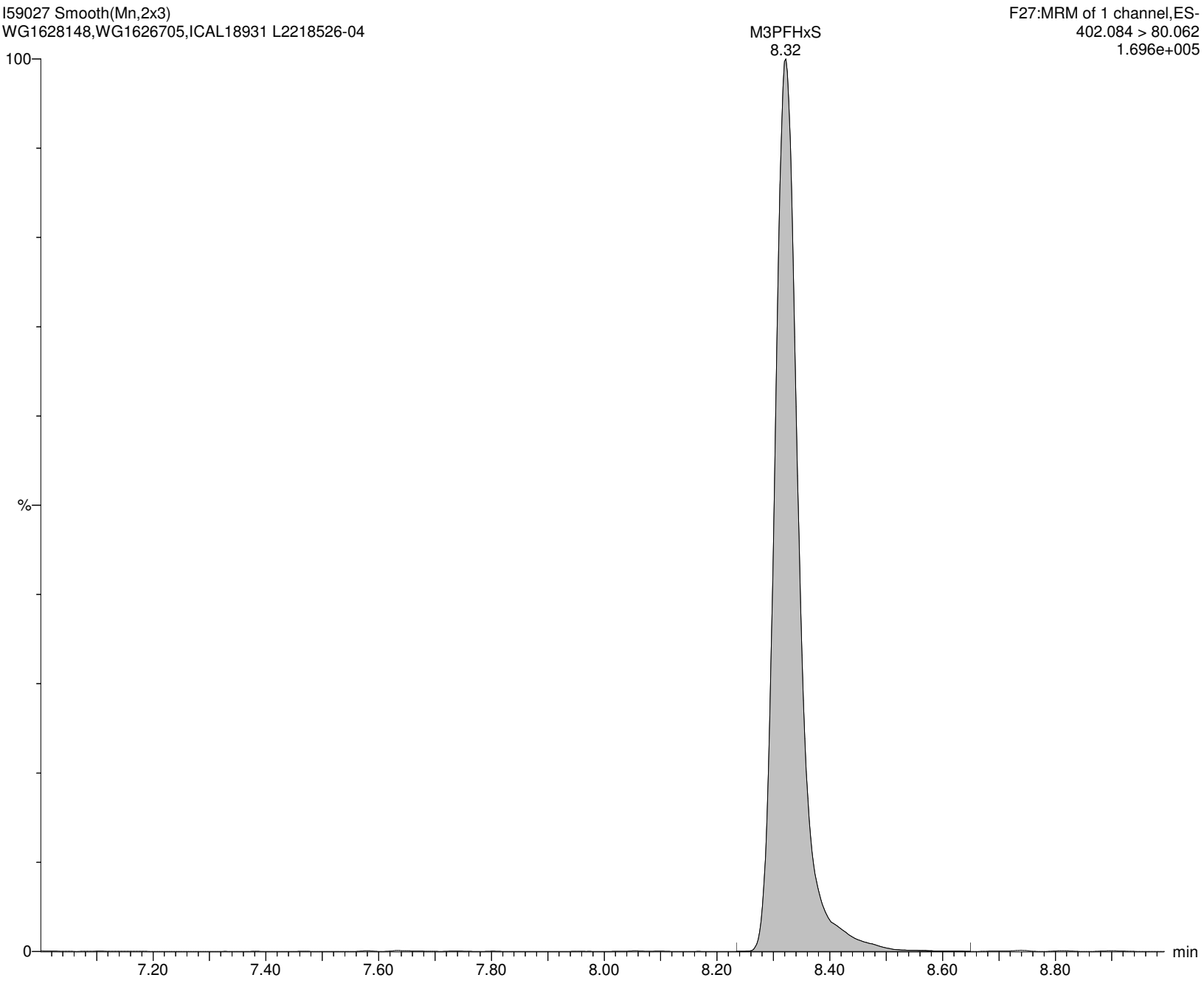


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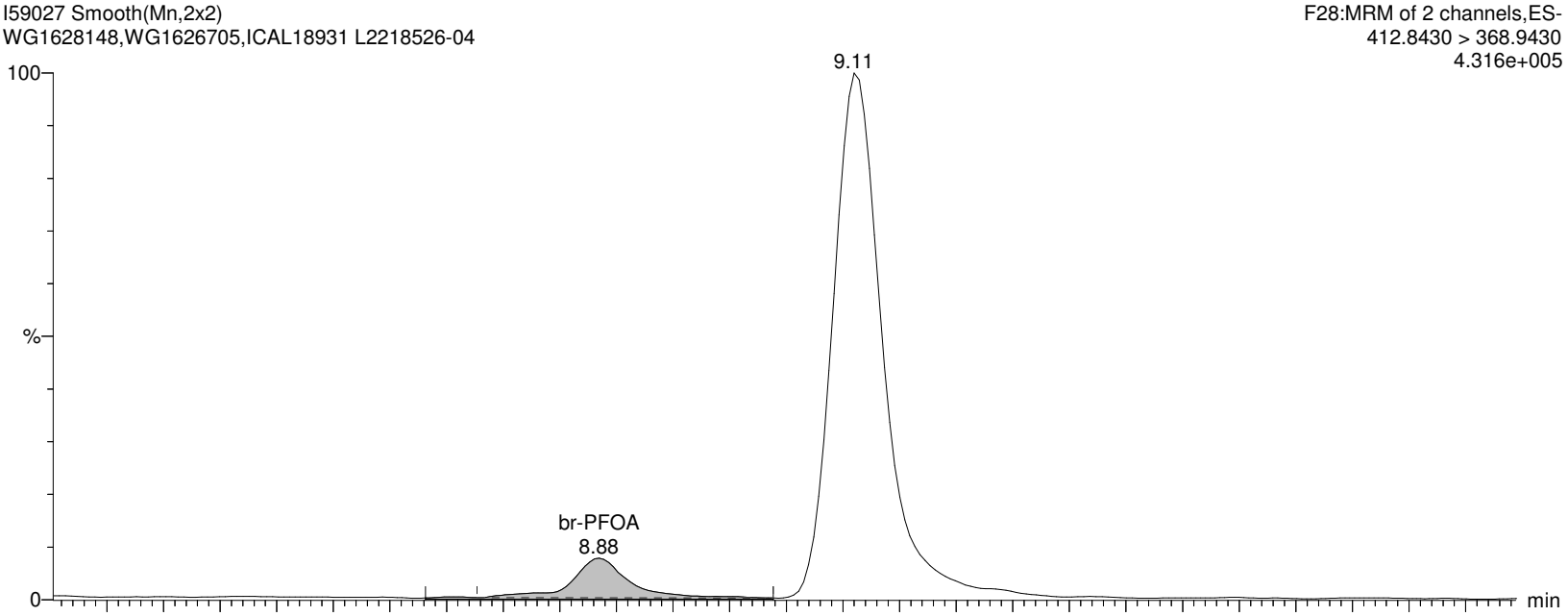


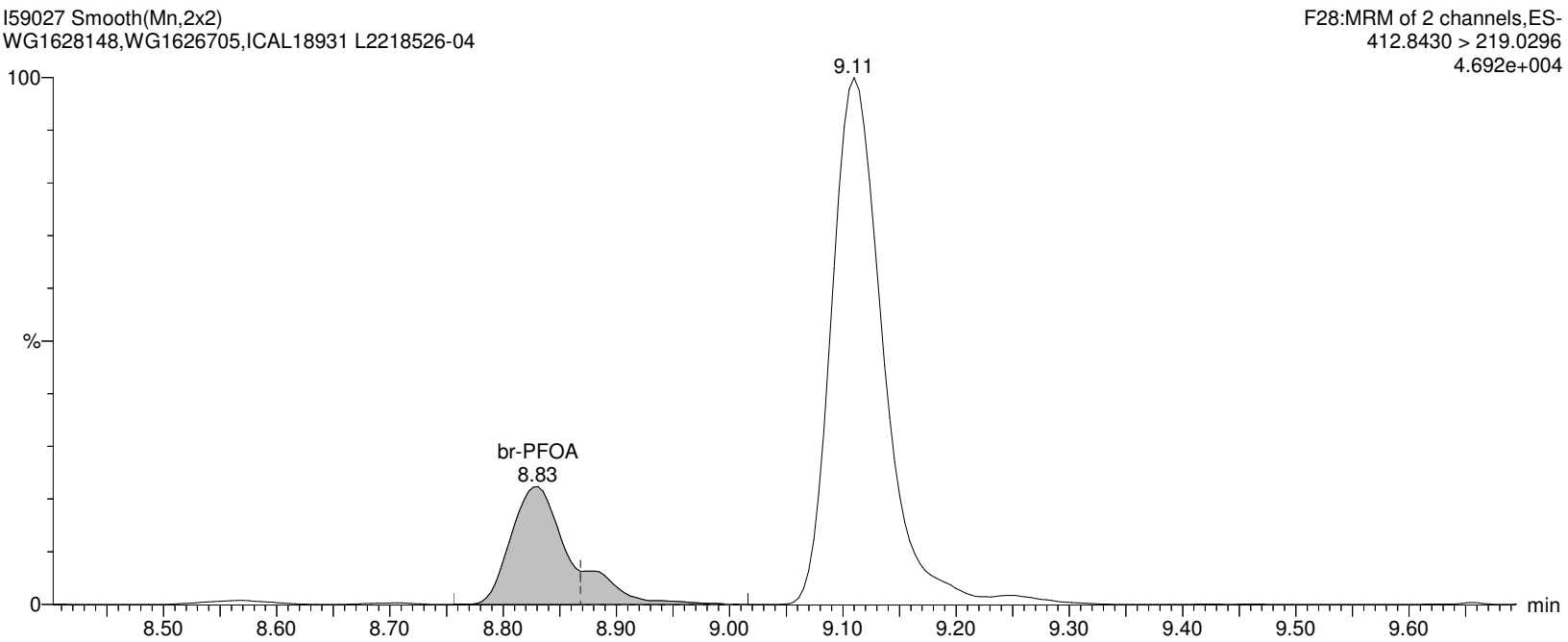
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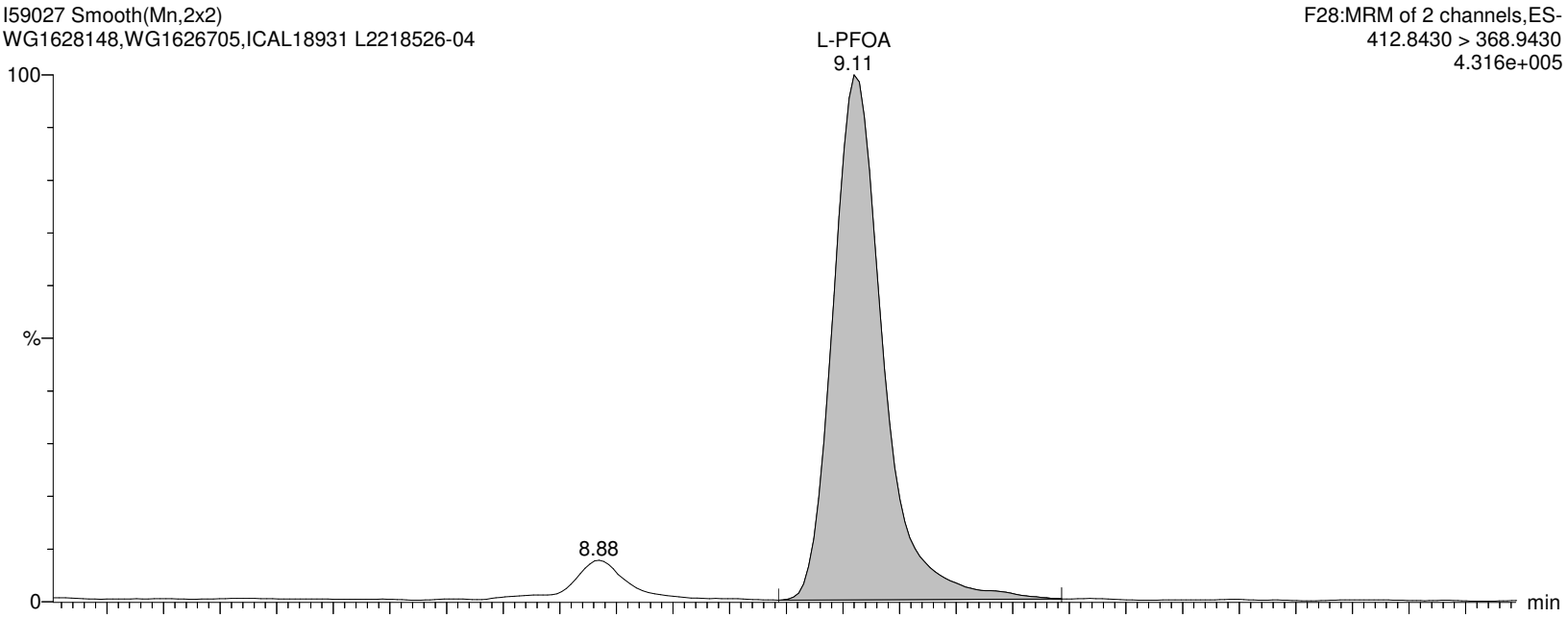


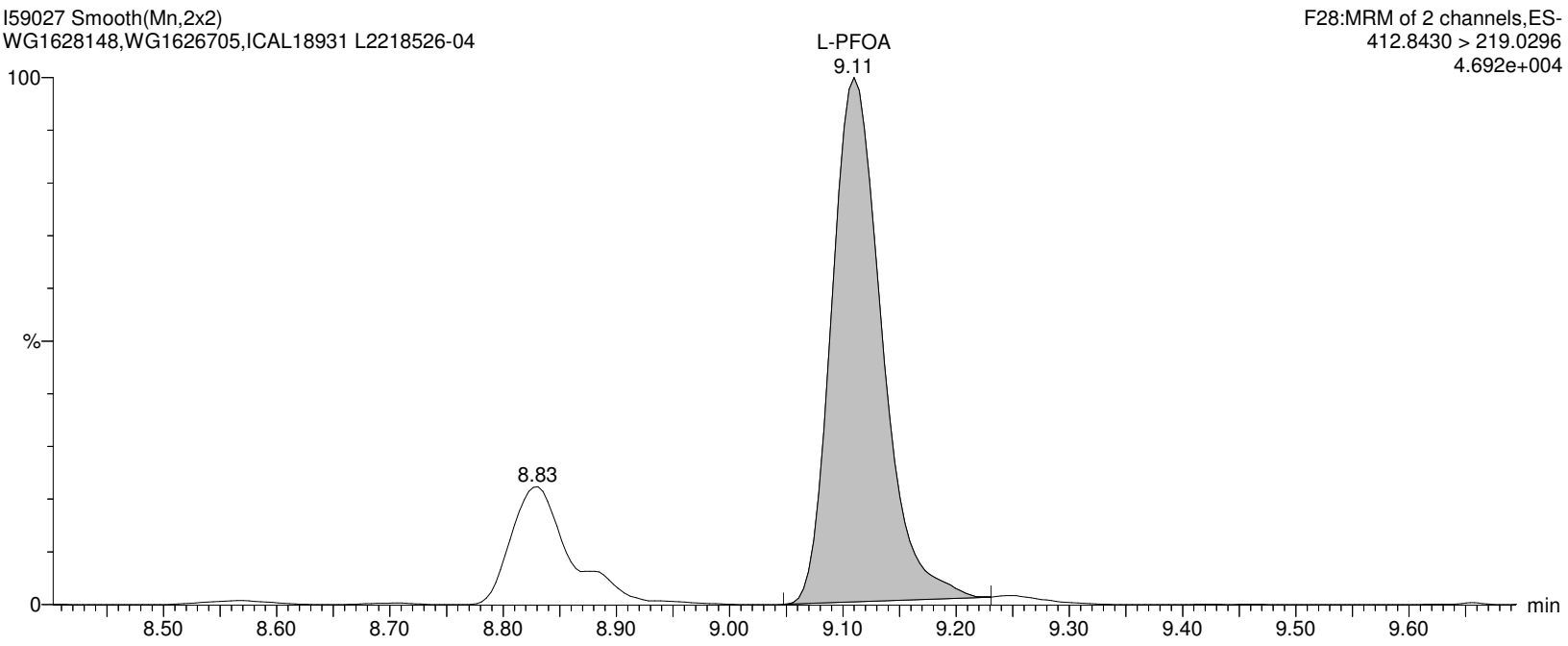
all concentration units in (ng/mL)

Alpha Analytical Inc.
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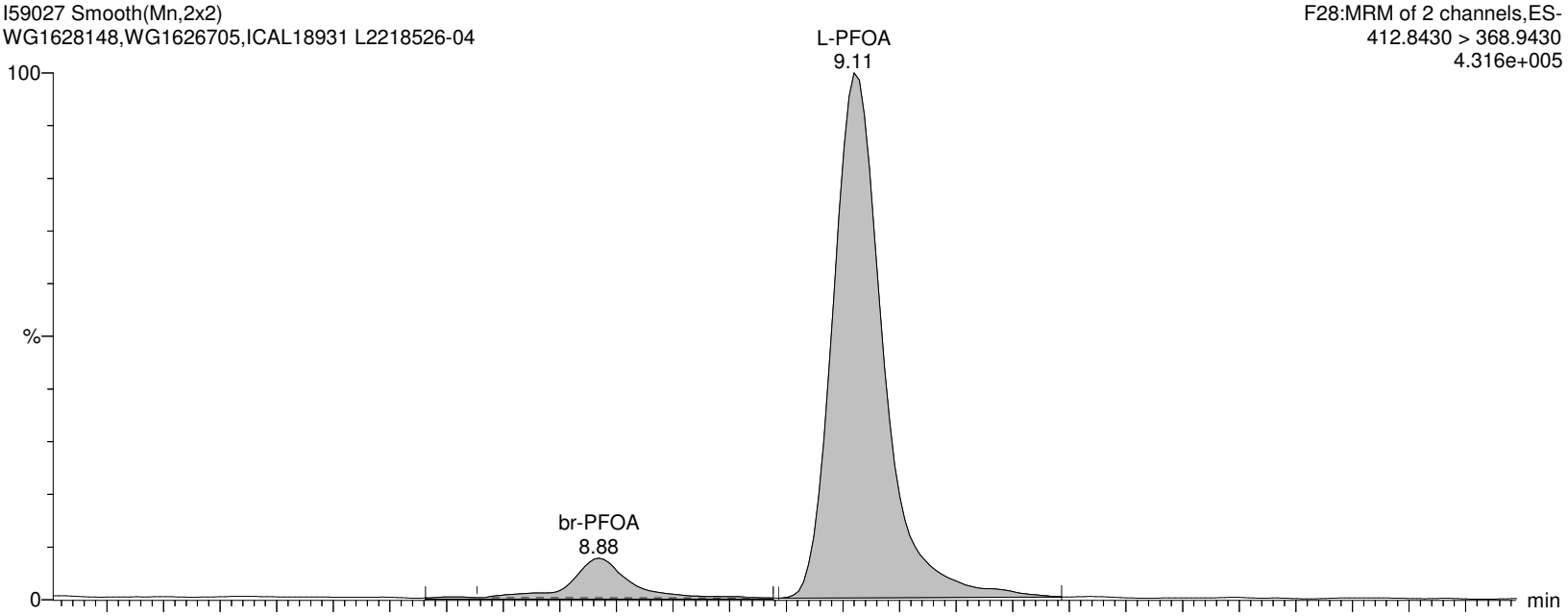


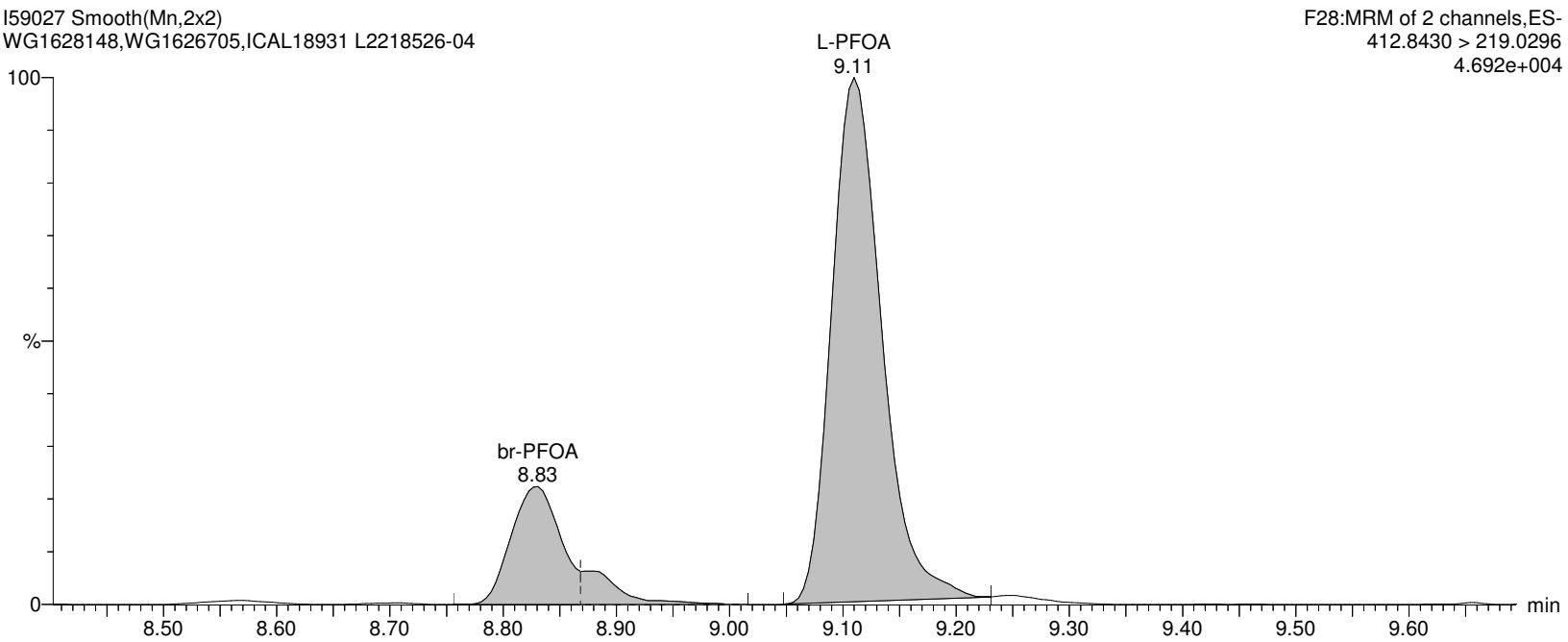
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Alpha Analytical Inc.
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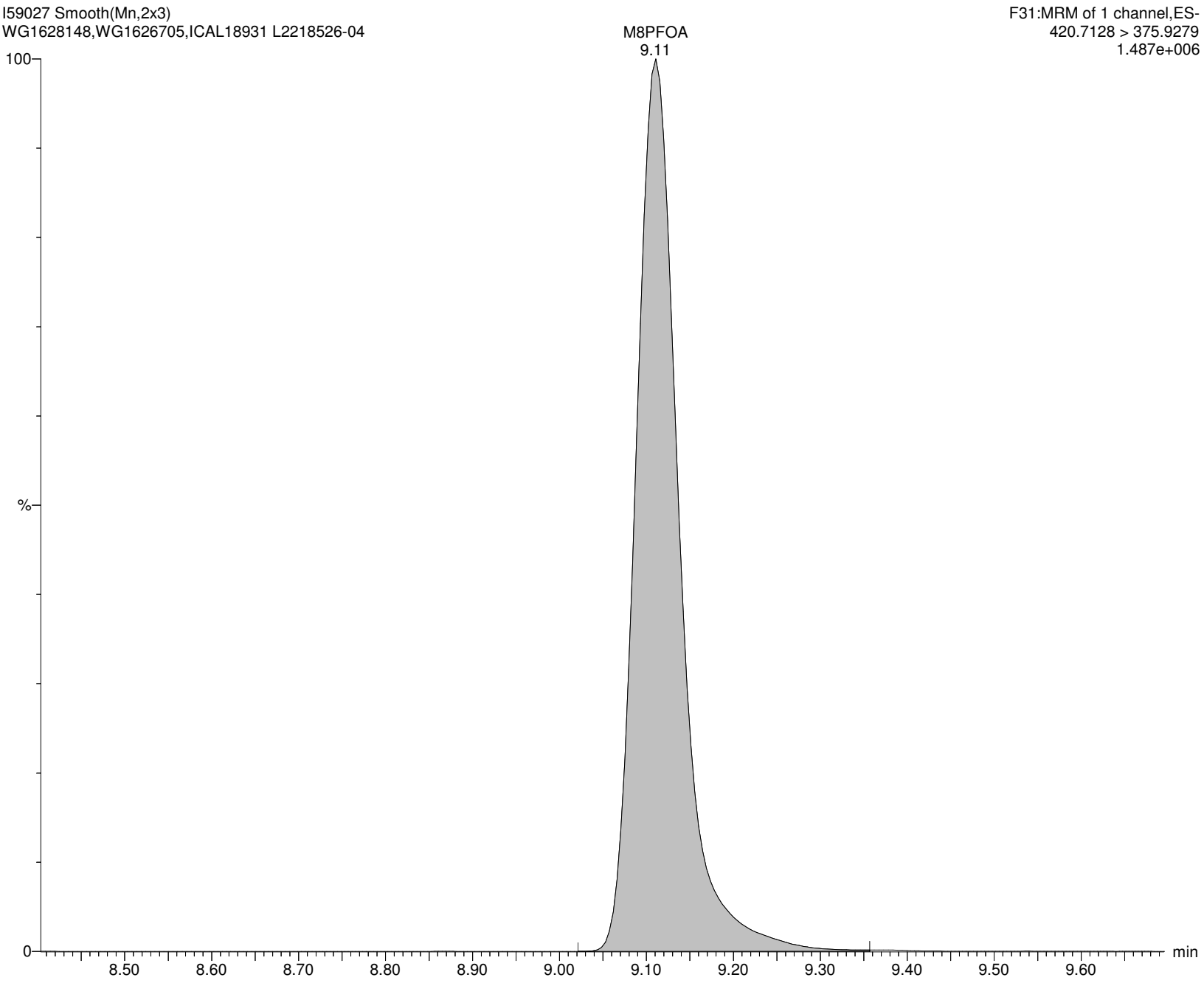


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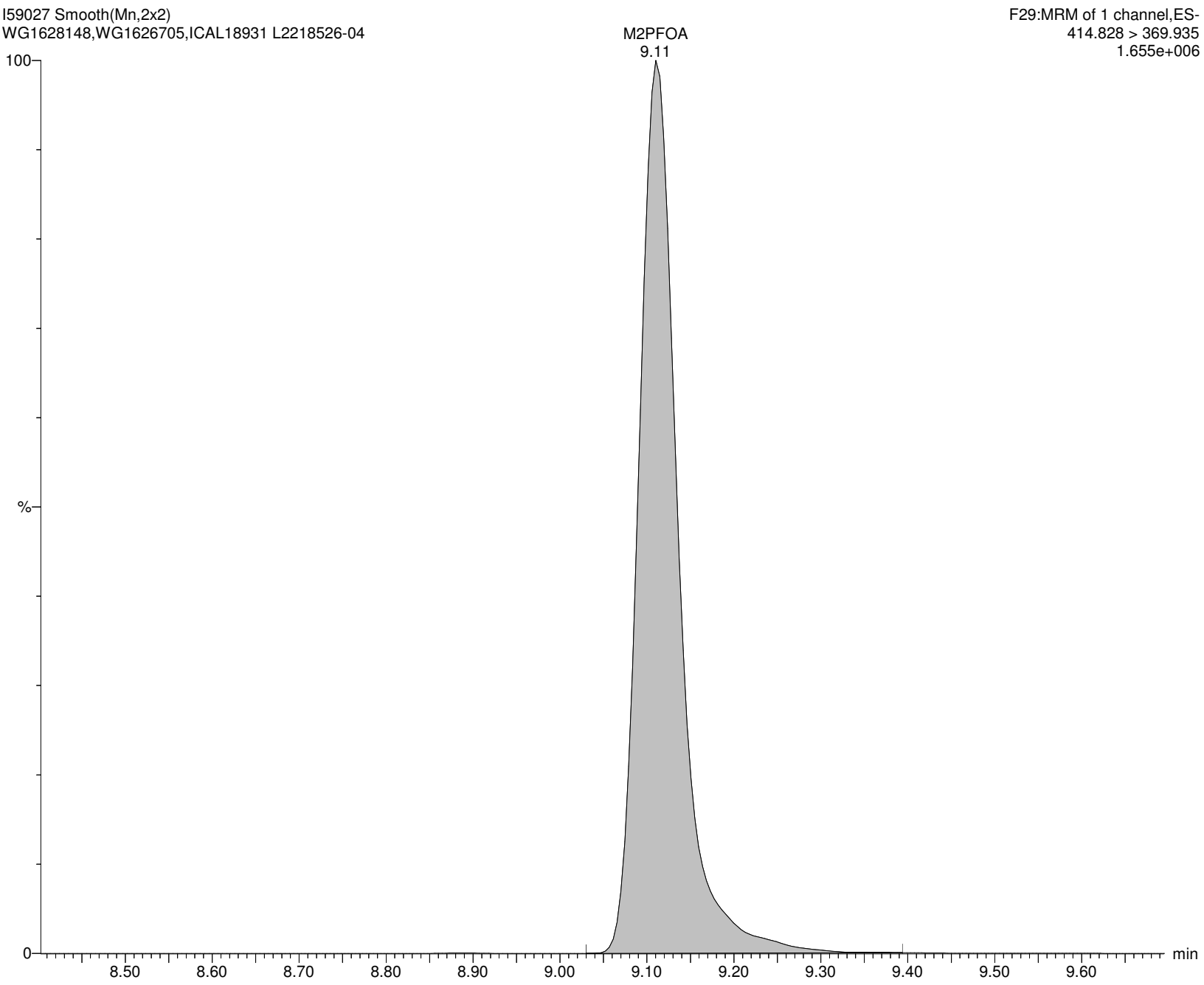


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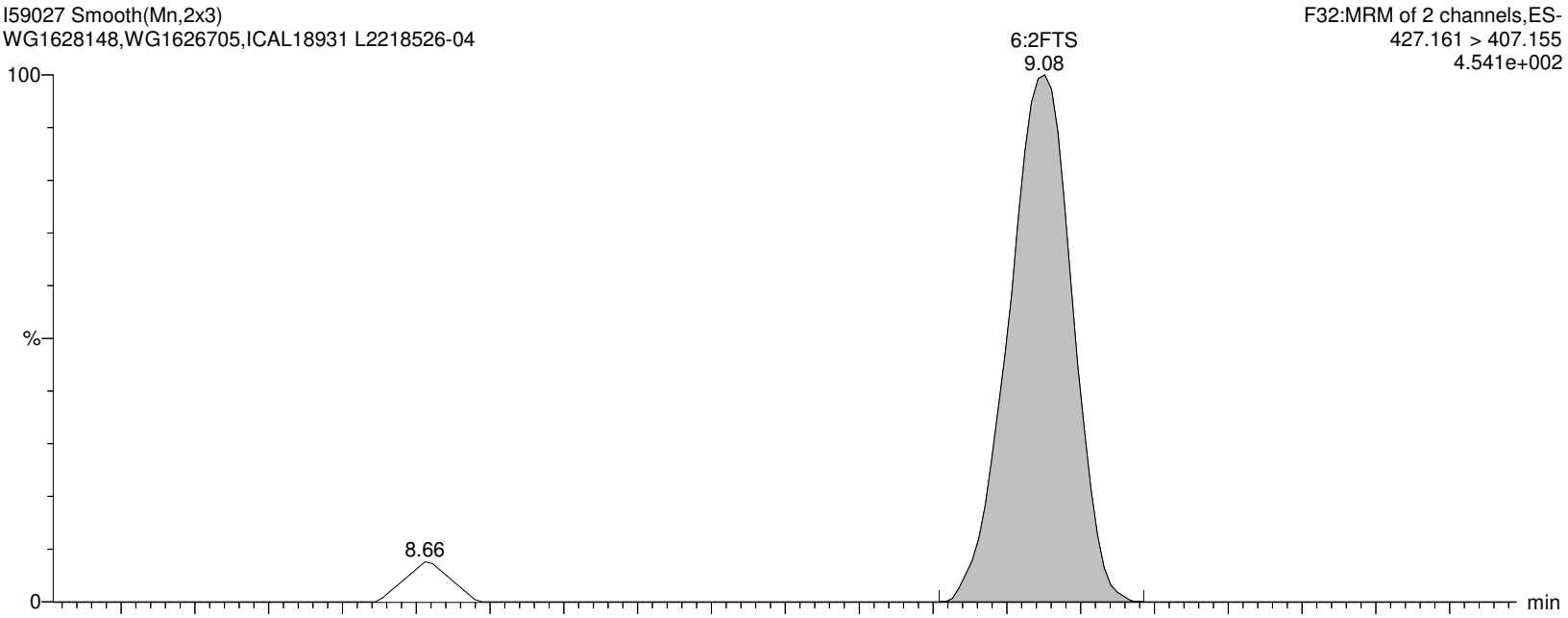


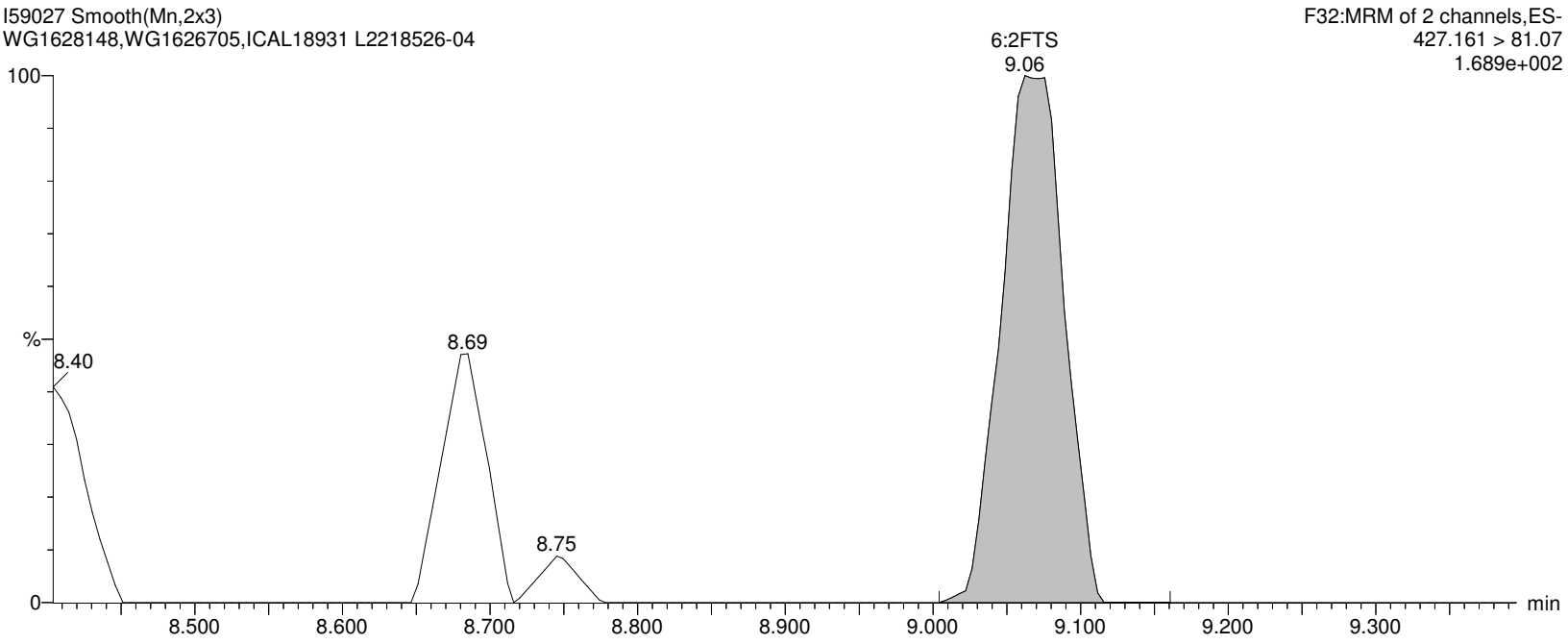
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6:2FTS



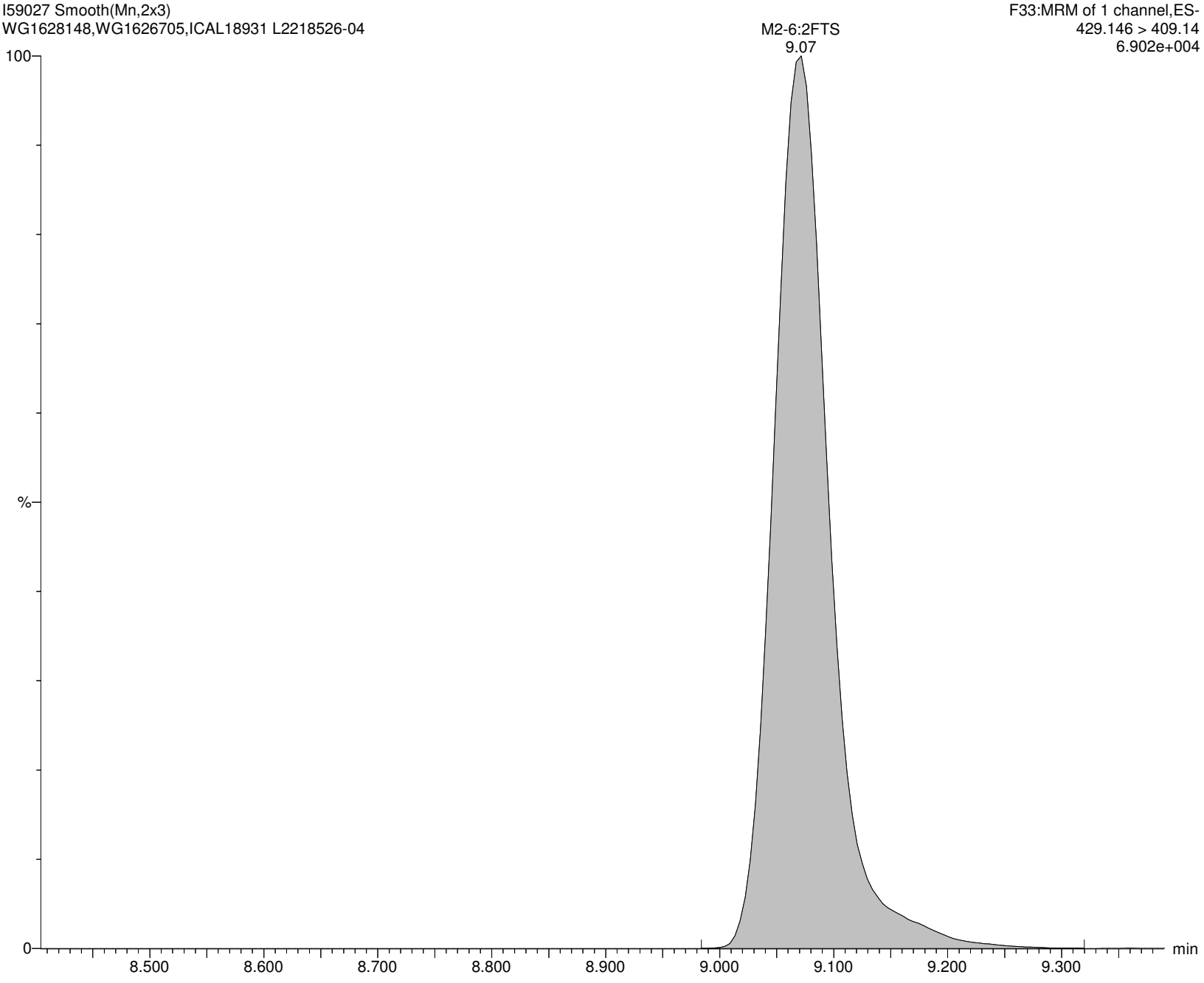


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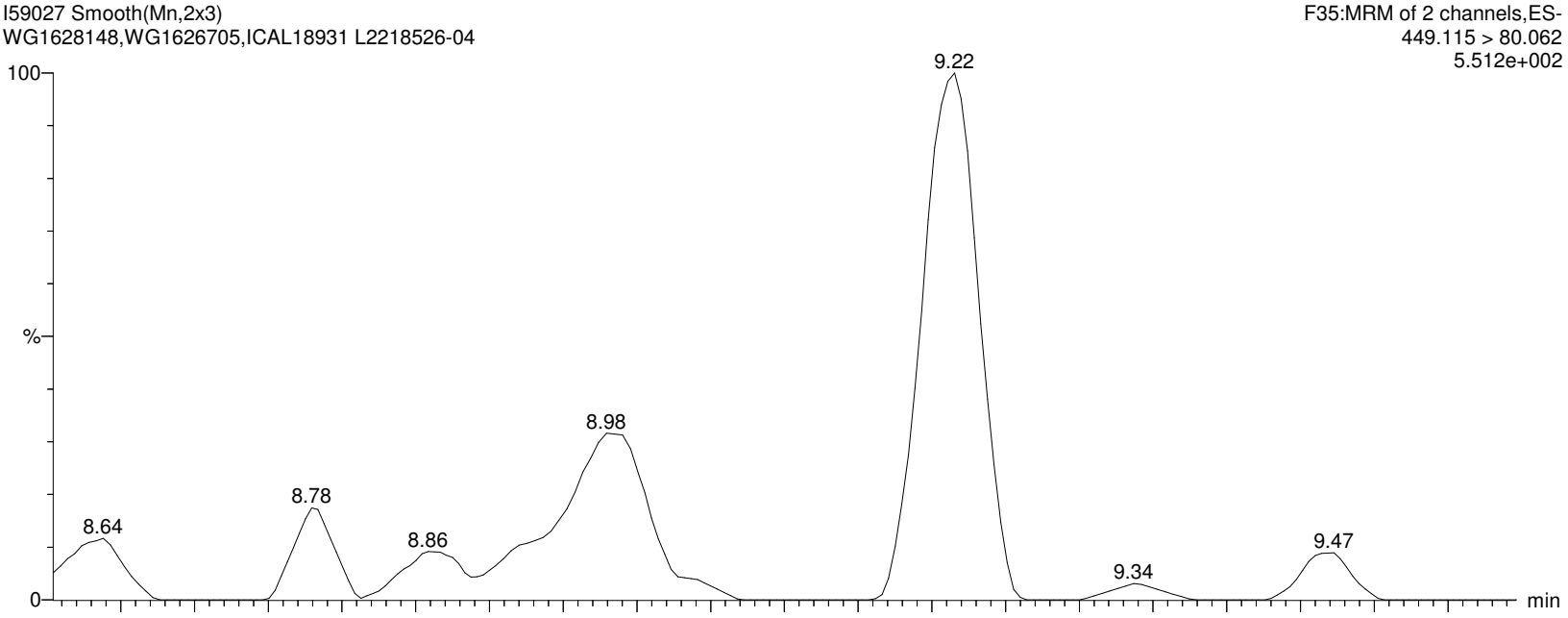


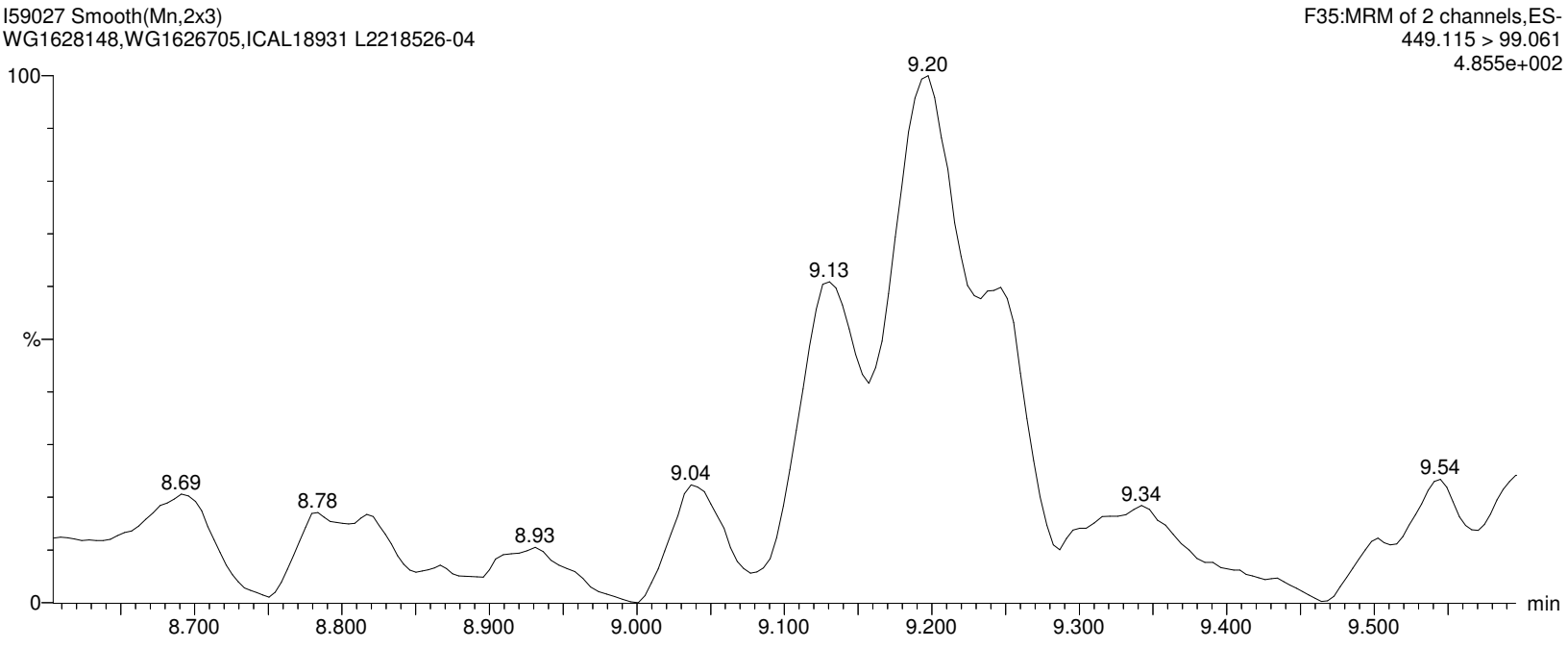
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PFHpS



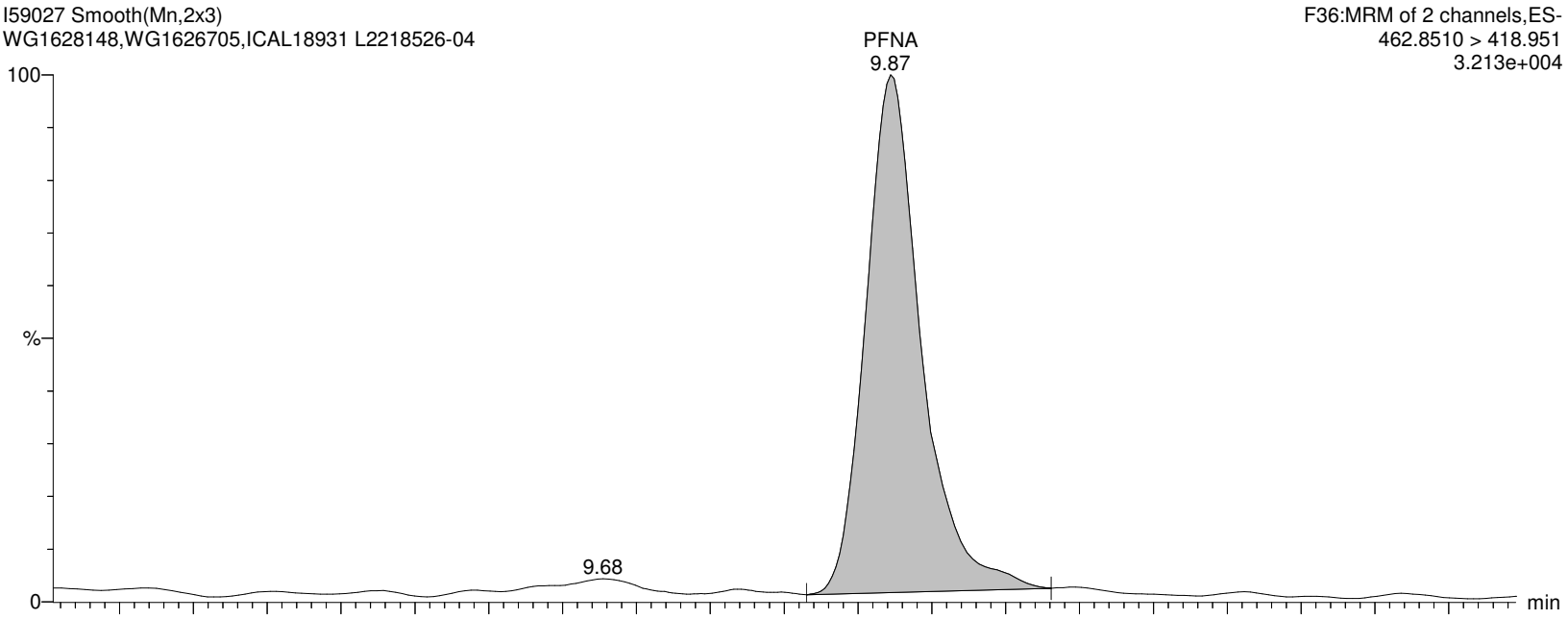


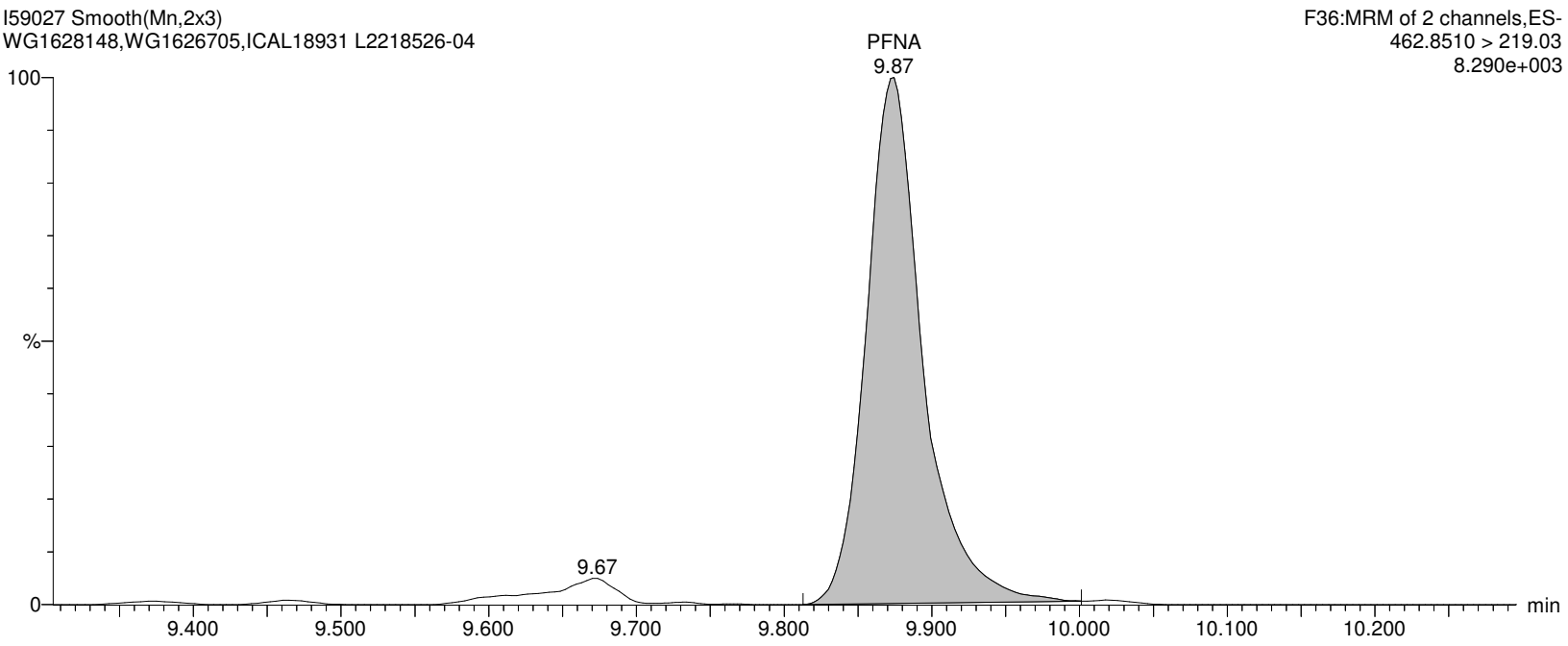
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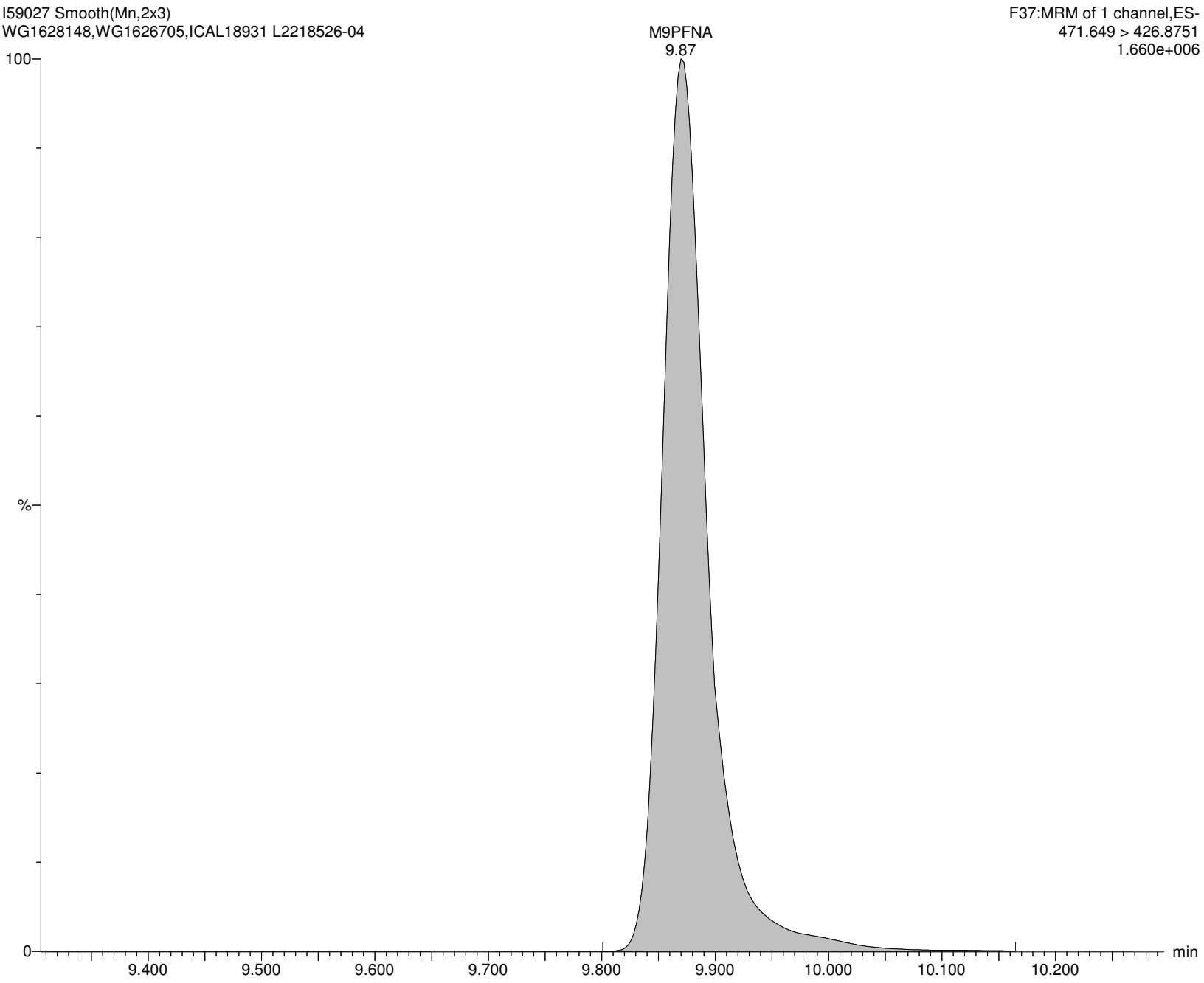


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:08 Eastern Daylight Time

Name: I59027
ID: L2218526-04
Date: 18-Apr-2022
Time: 00:44:47
Description: WG1628148,WG1626705,ICAL18931
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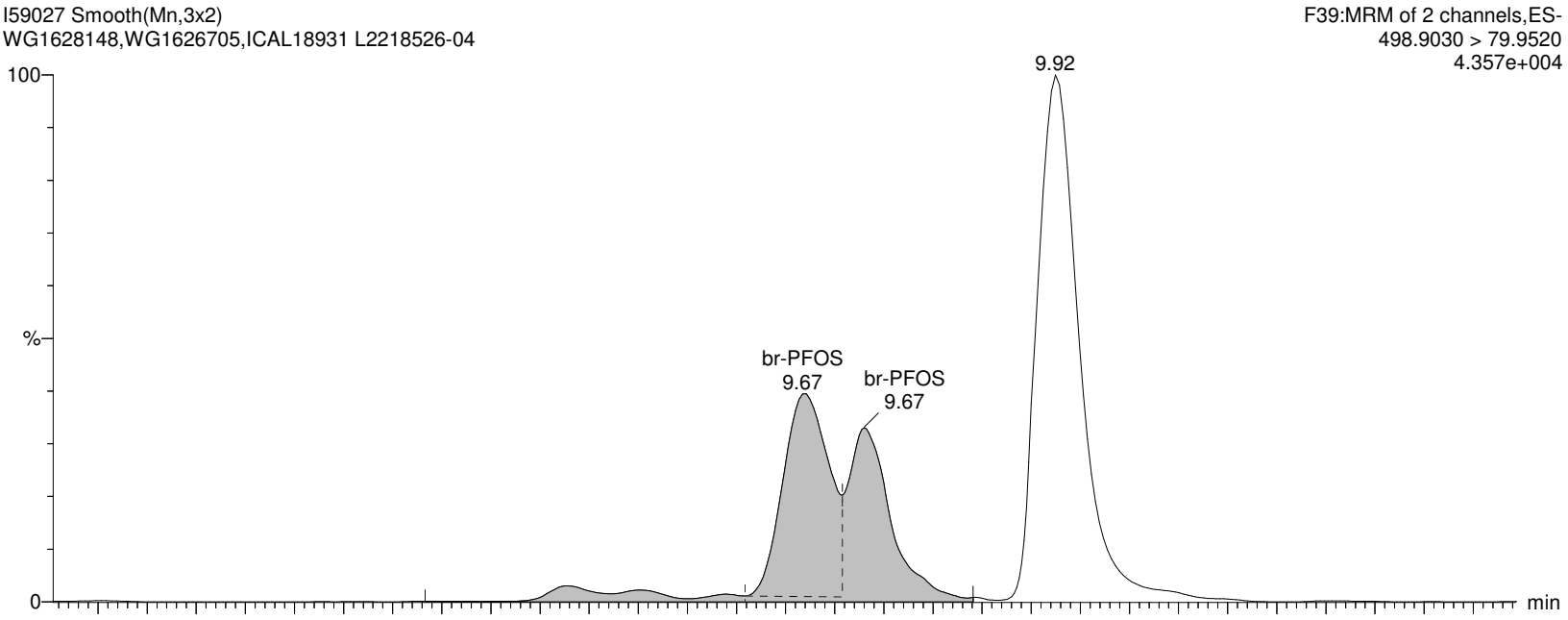


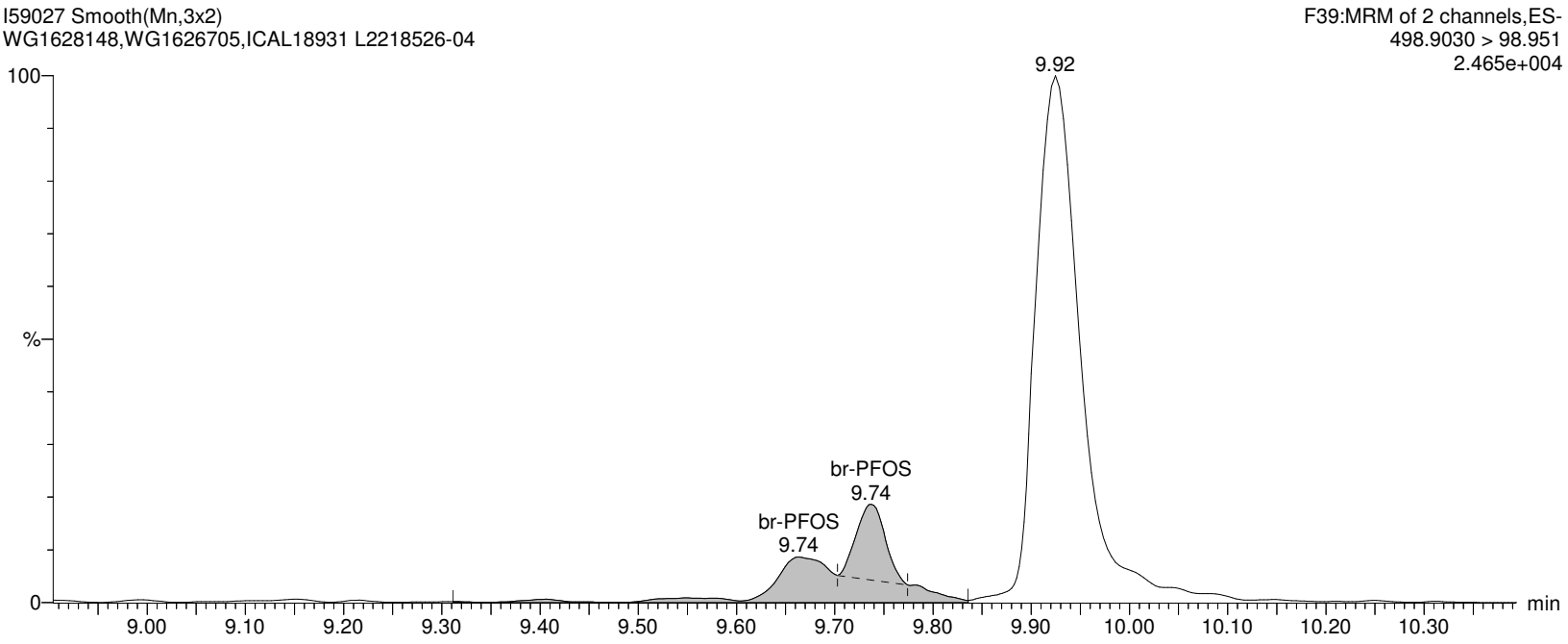
all concentration units in (ng/mL)

Alpha Analytical Inc.
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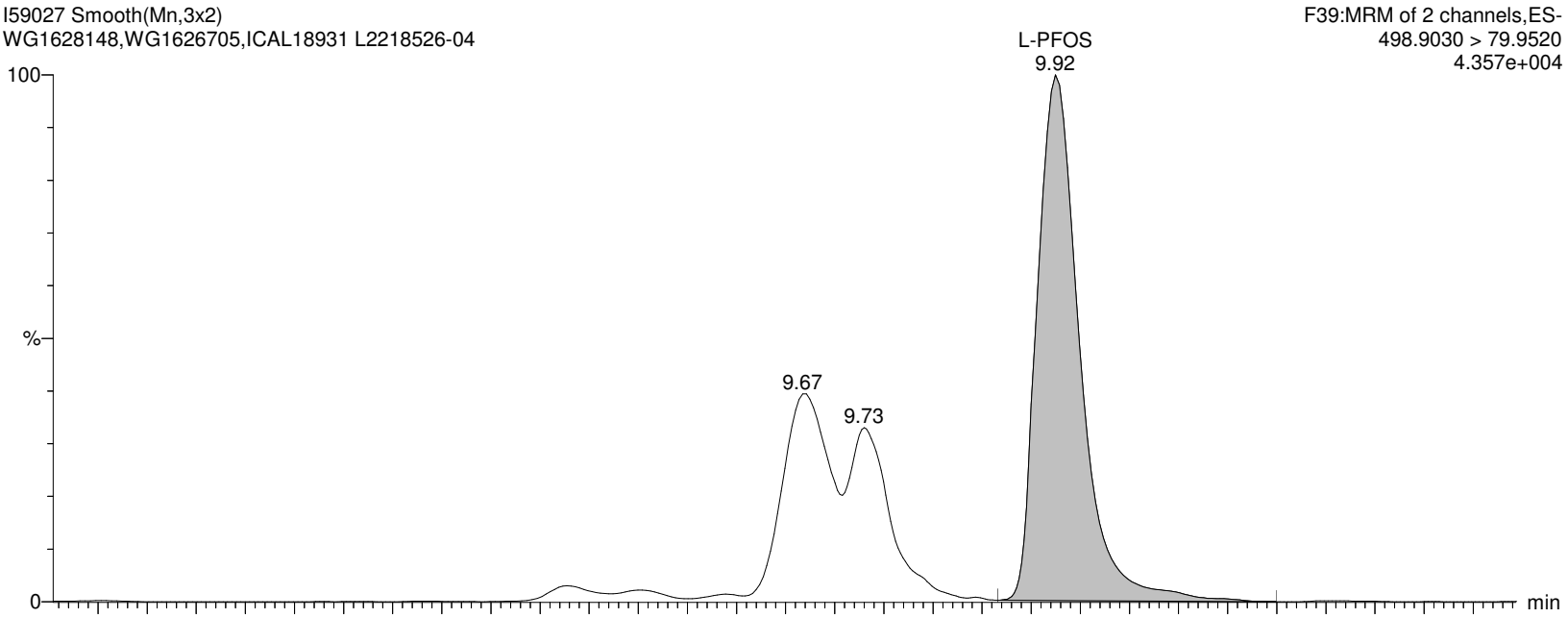


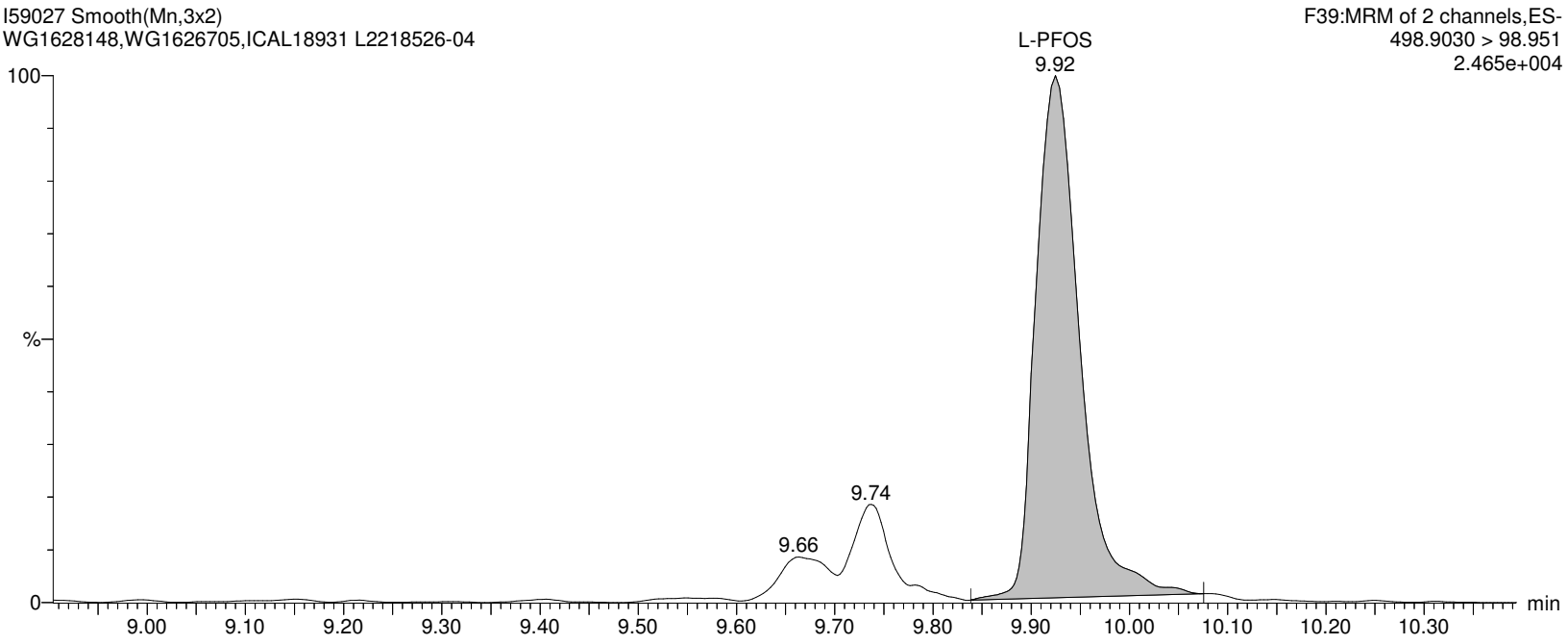
all concentration units in (ng/mL)

Alpha Analytical Inc.
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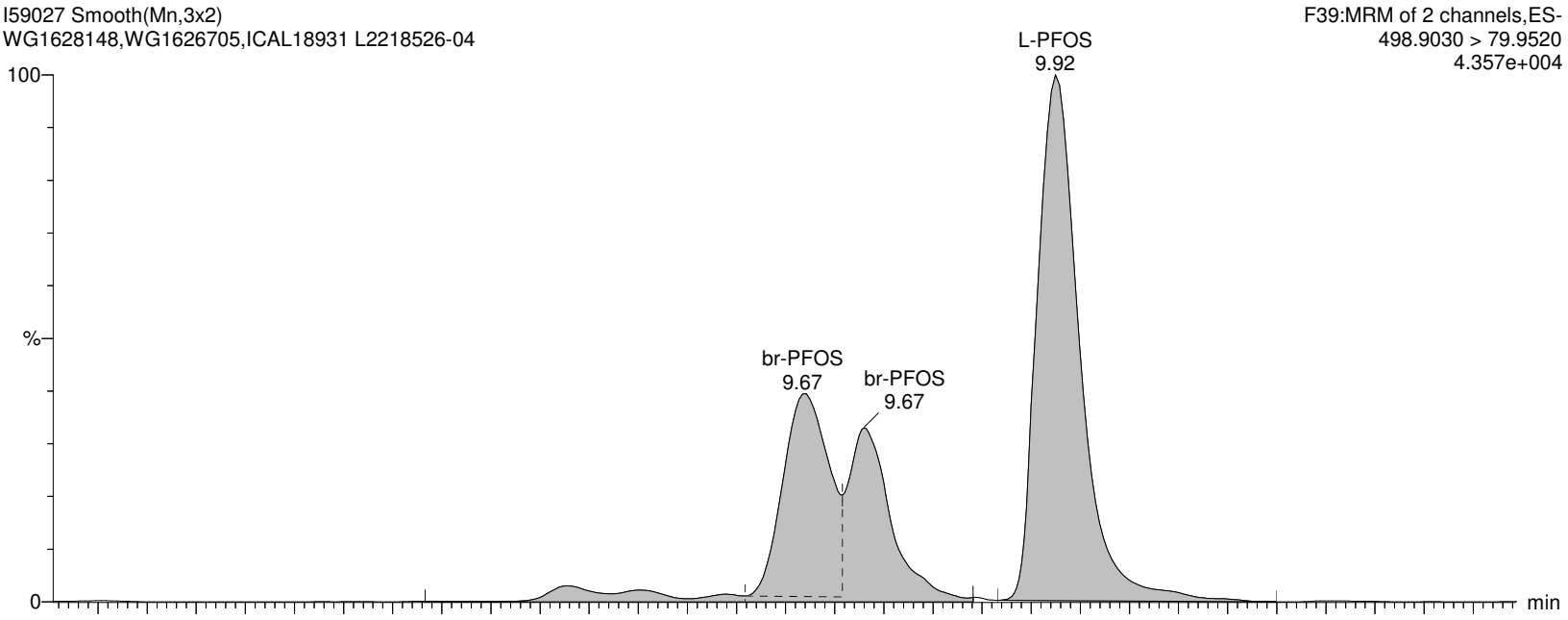


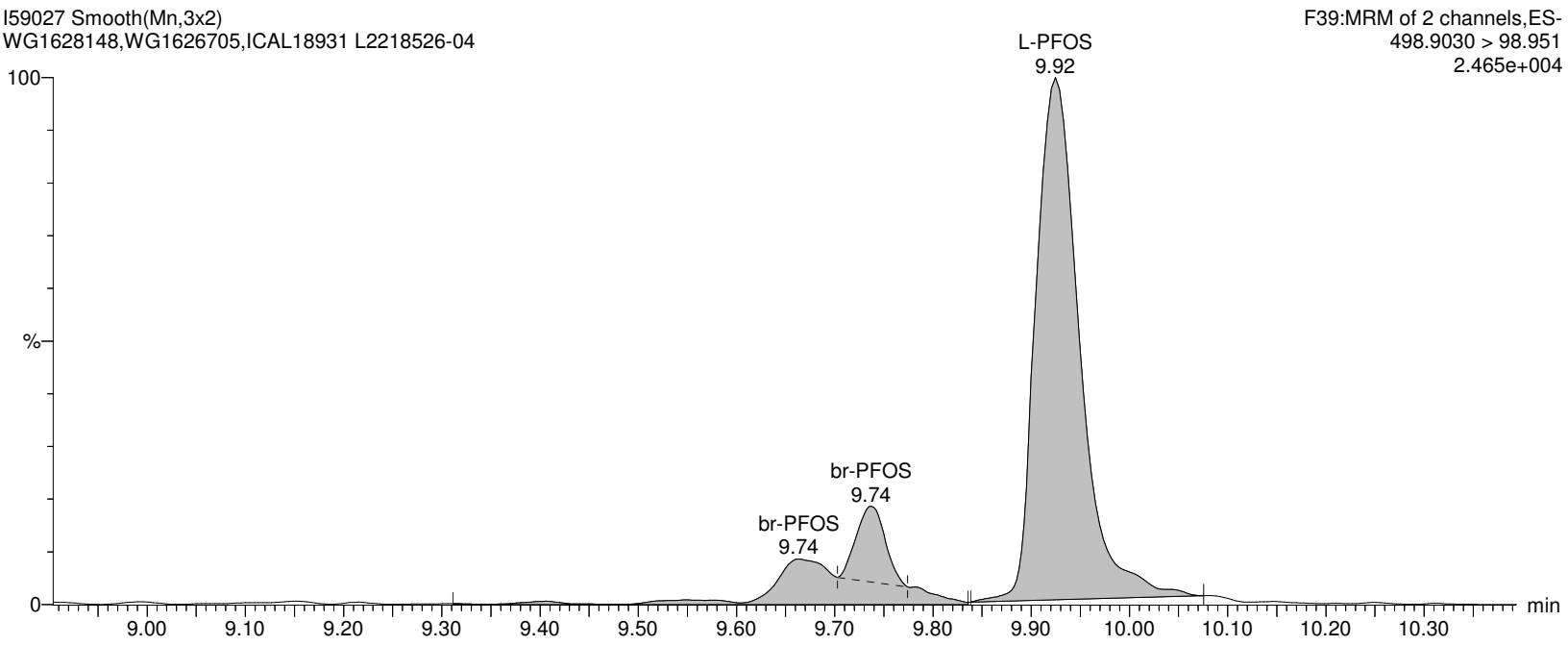
all concentration units in (ng/mL)

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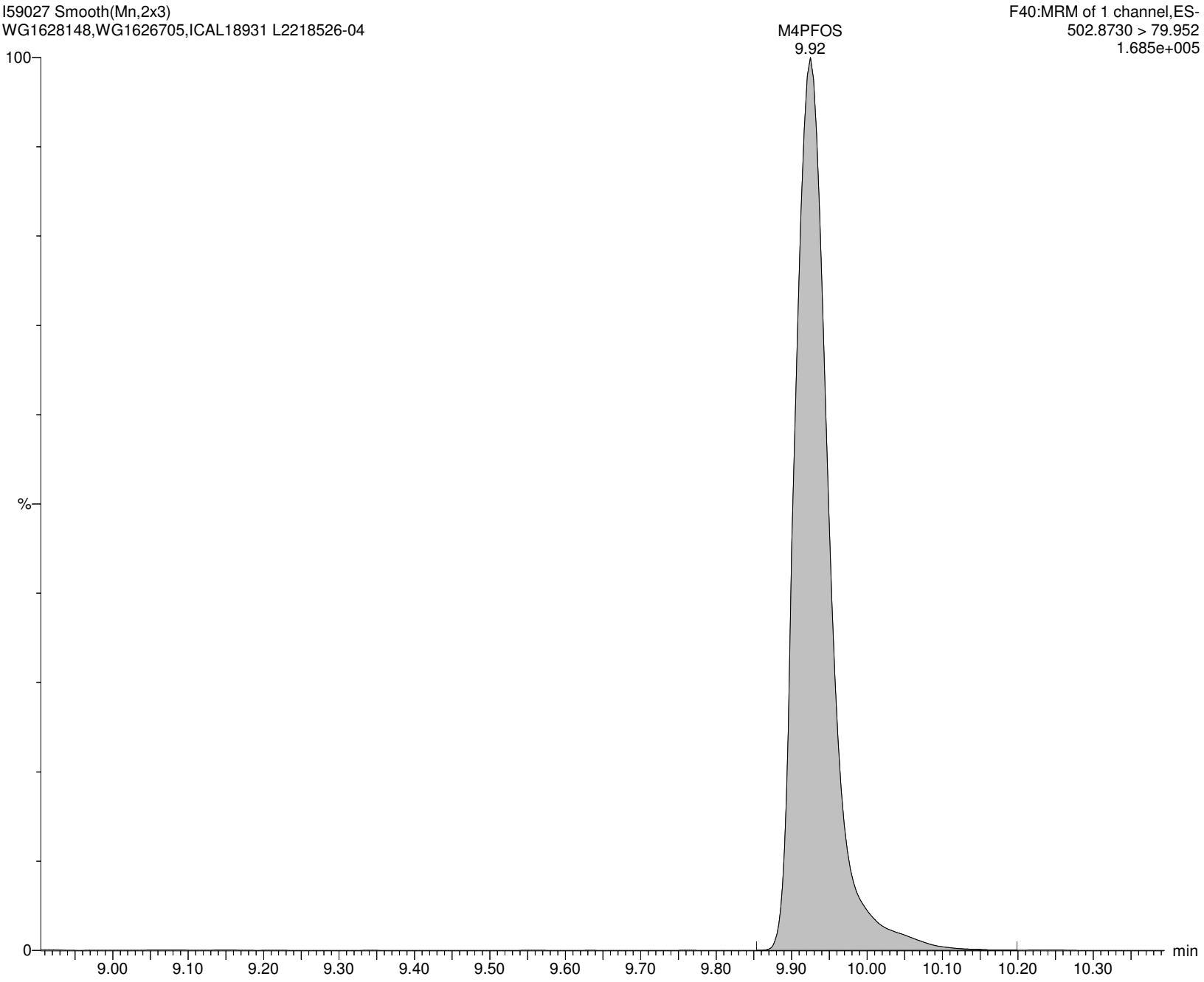


all concentration units in (ng/mL)

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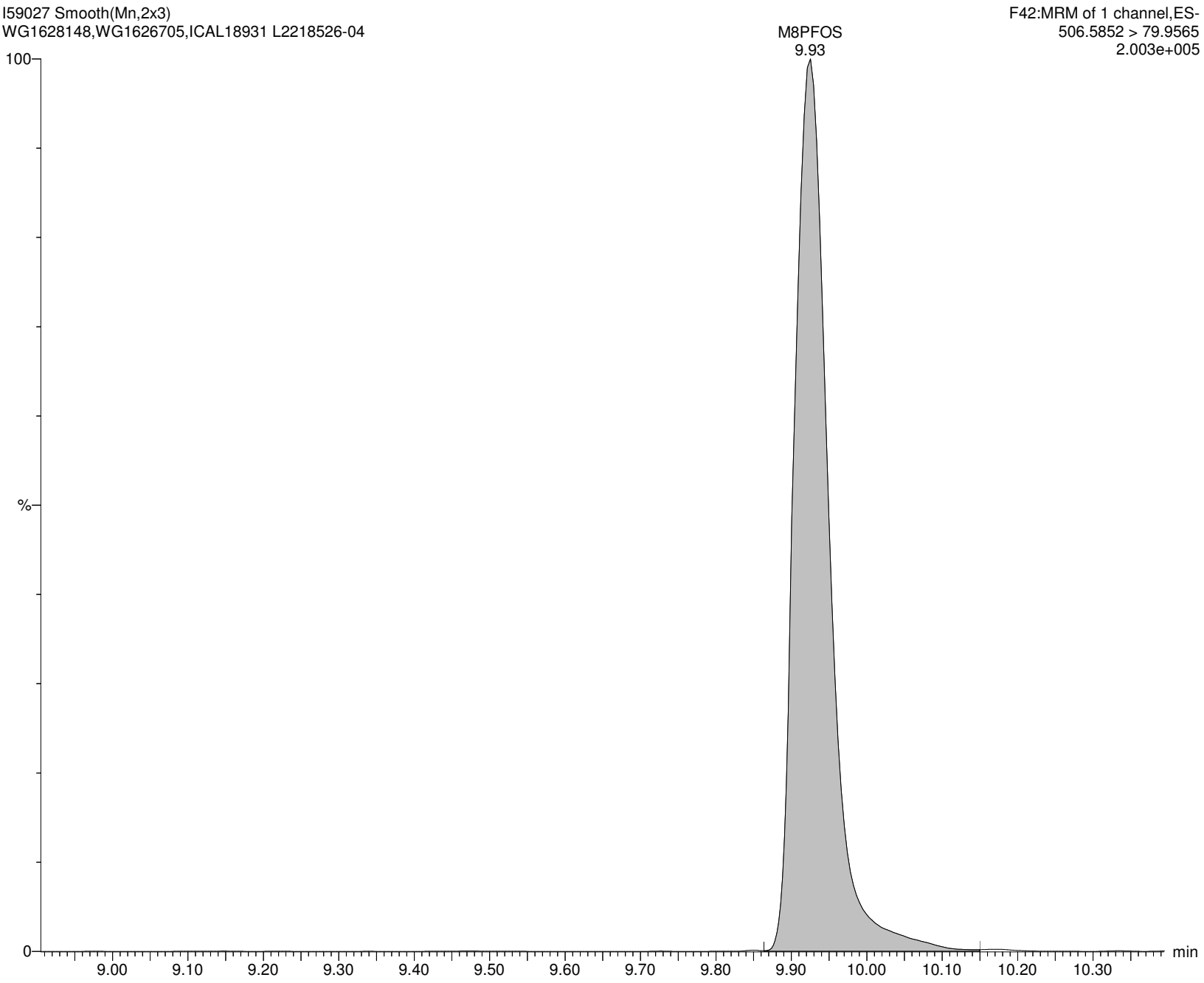


all concentration units in (ng/mL)

Alpha Analytical Inc.
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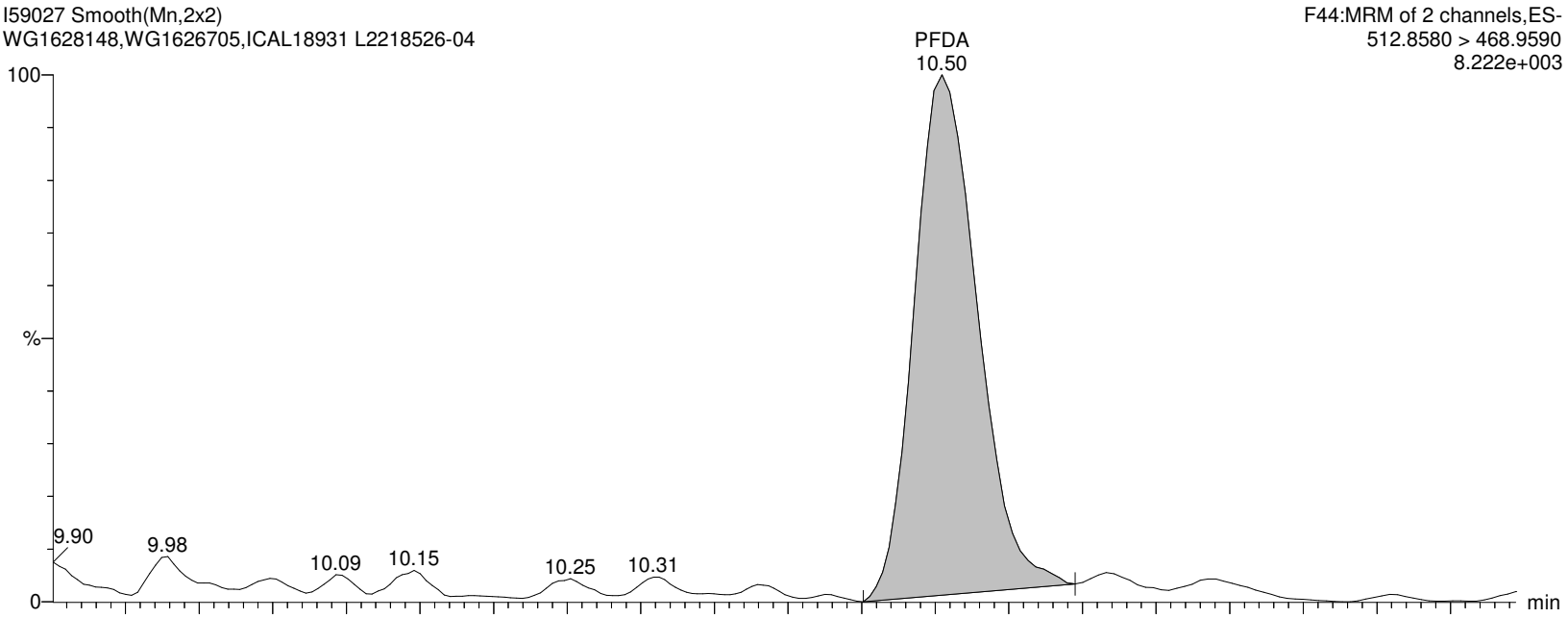


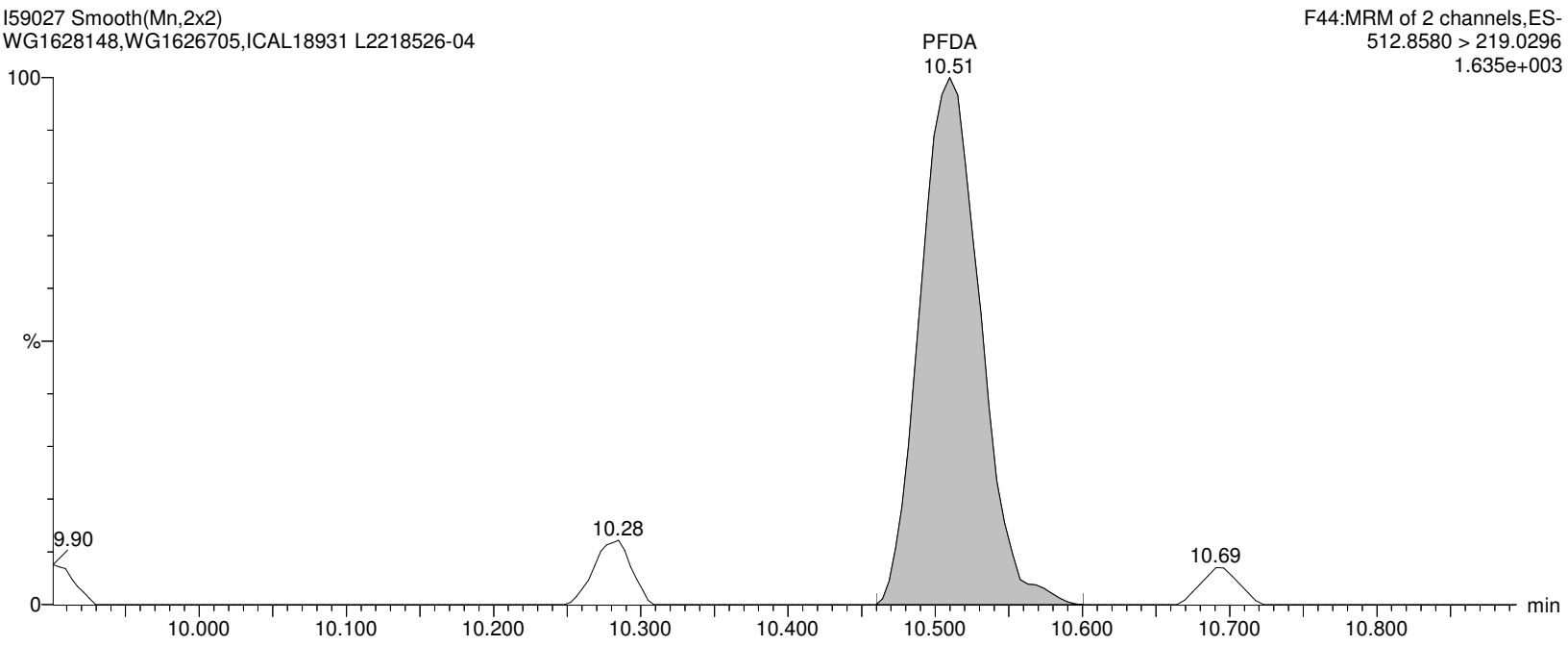
all concentration units in (ng/mL)

Alpha Analytical Inc.
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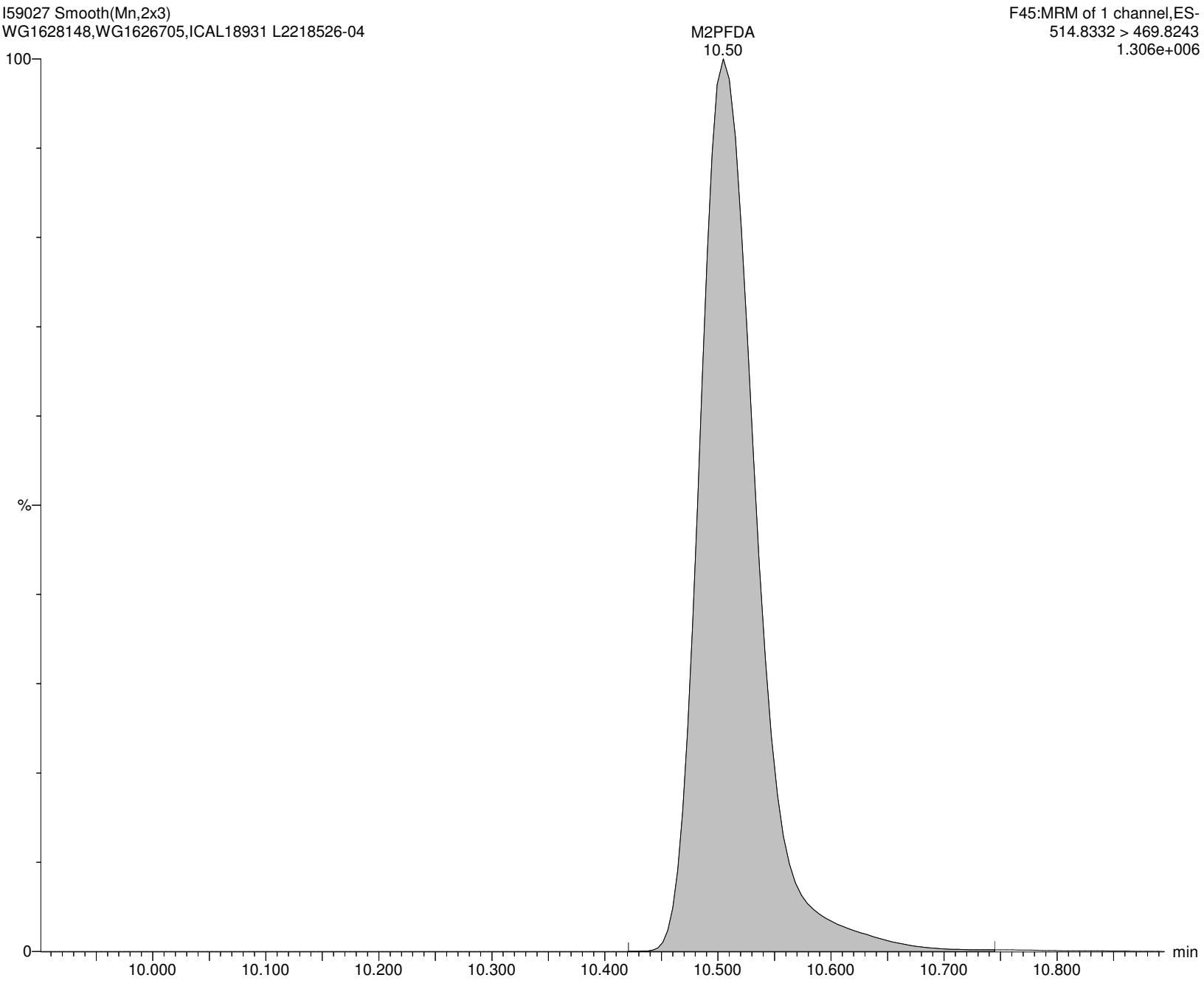


all concentration units in (ng/mL)

Alpha Analytical Inc.
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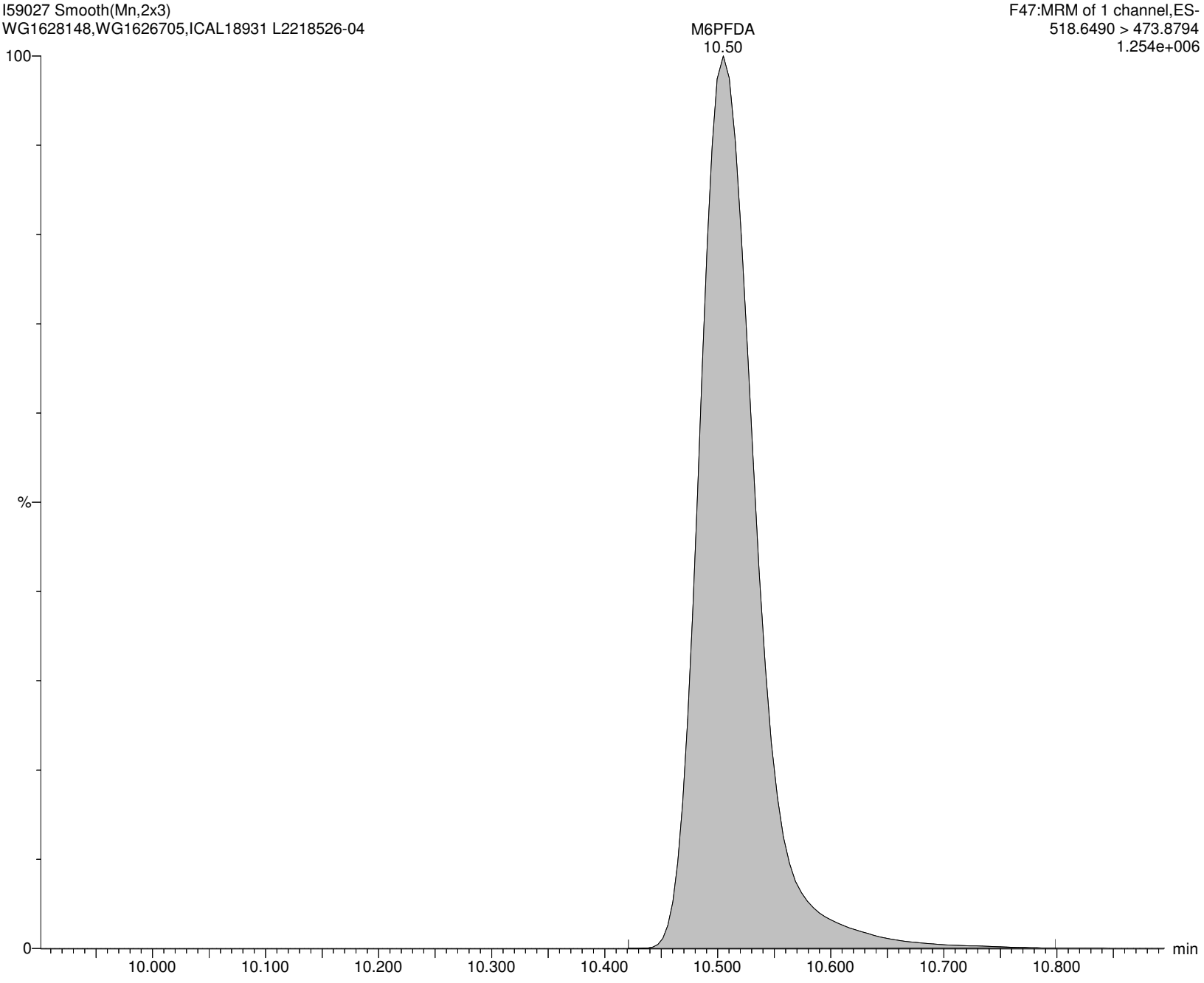


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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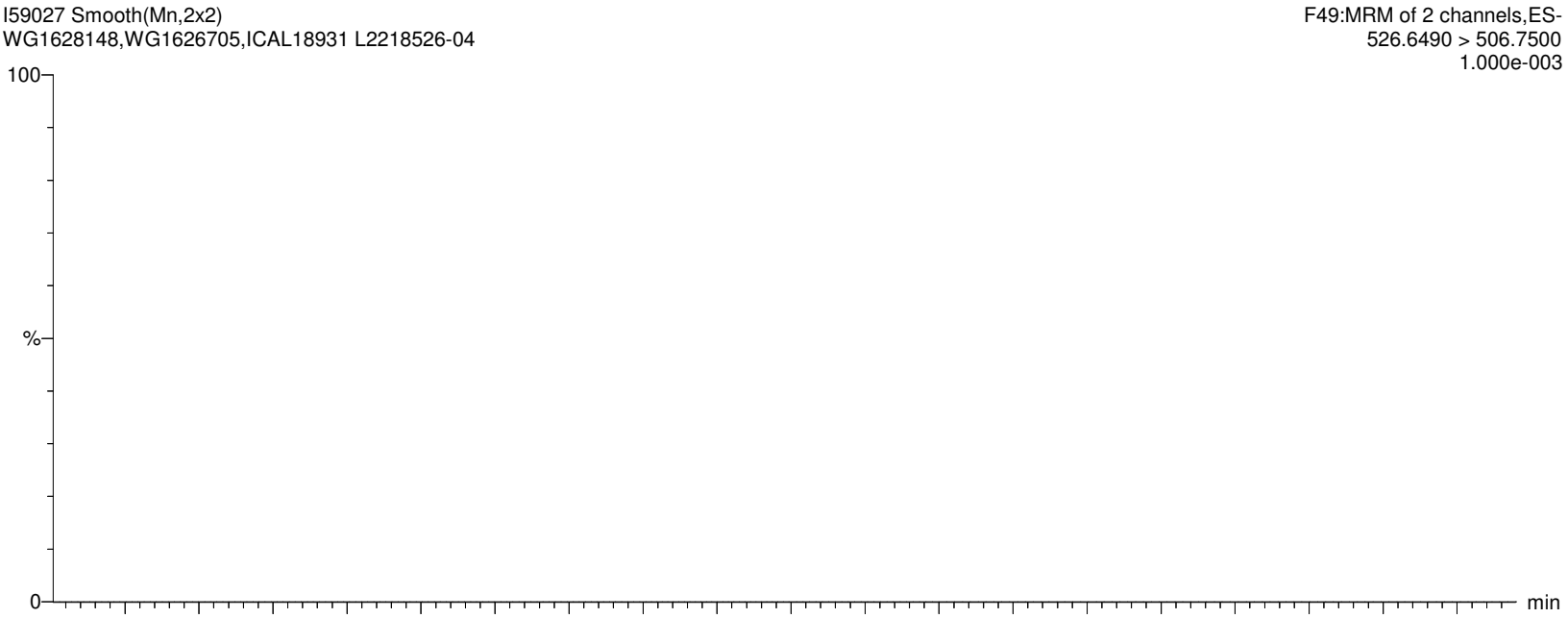


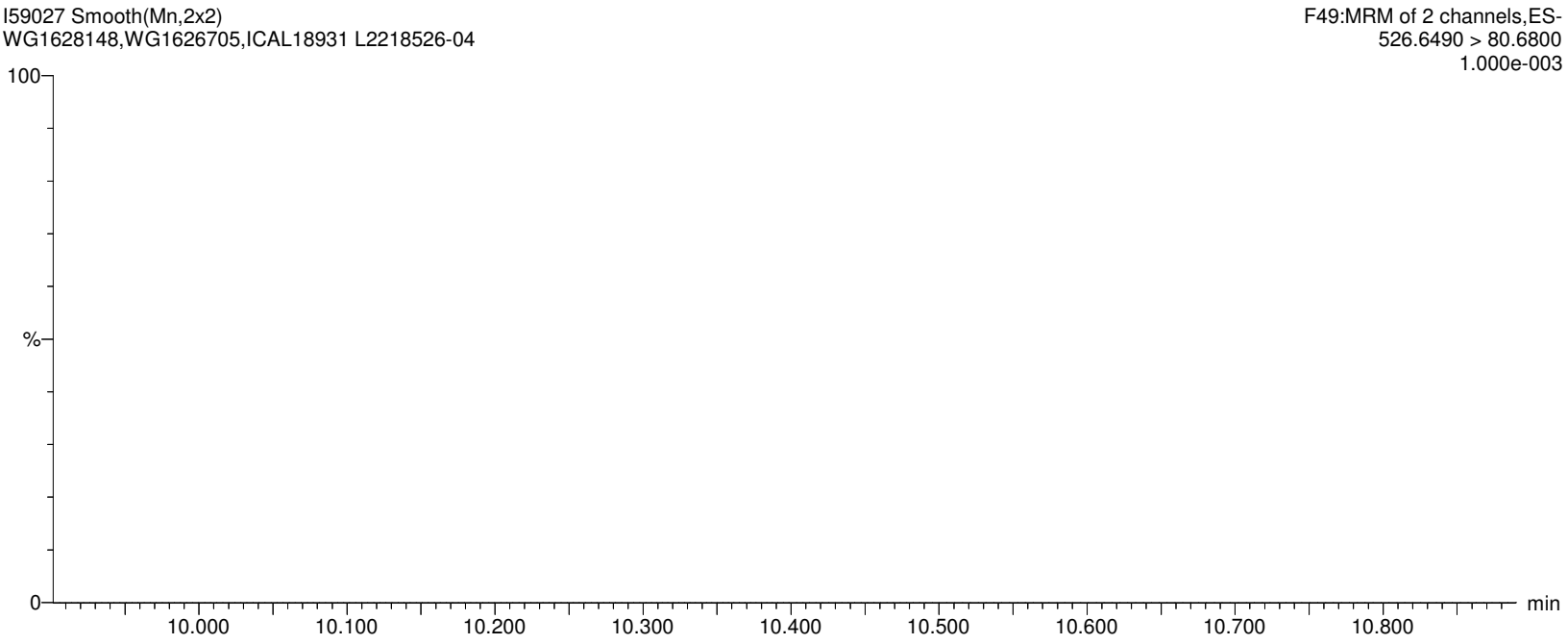
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



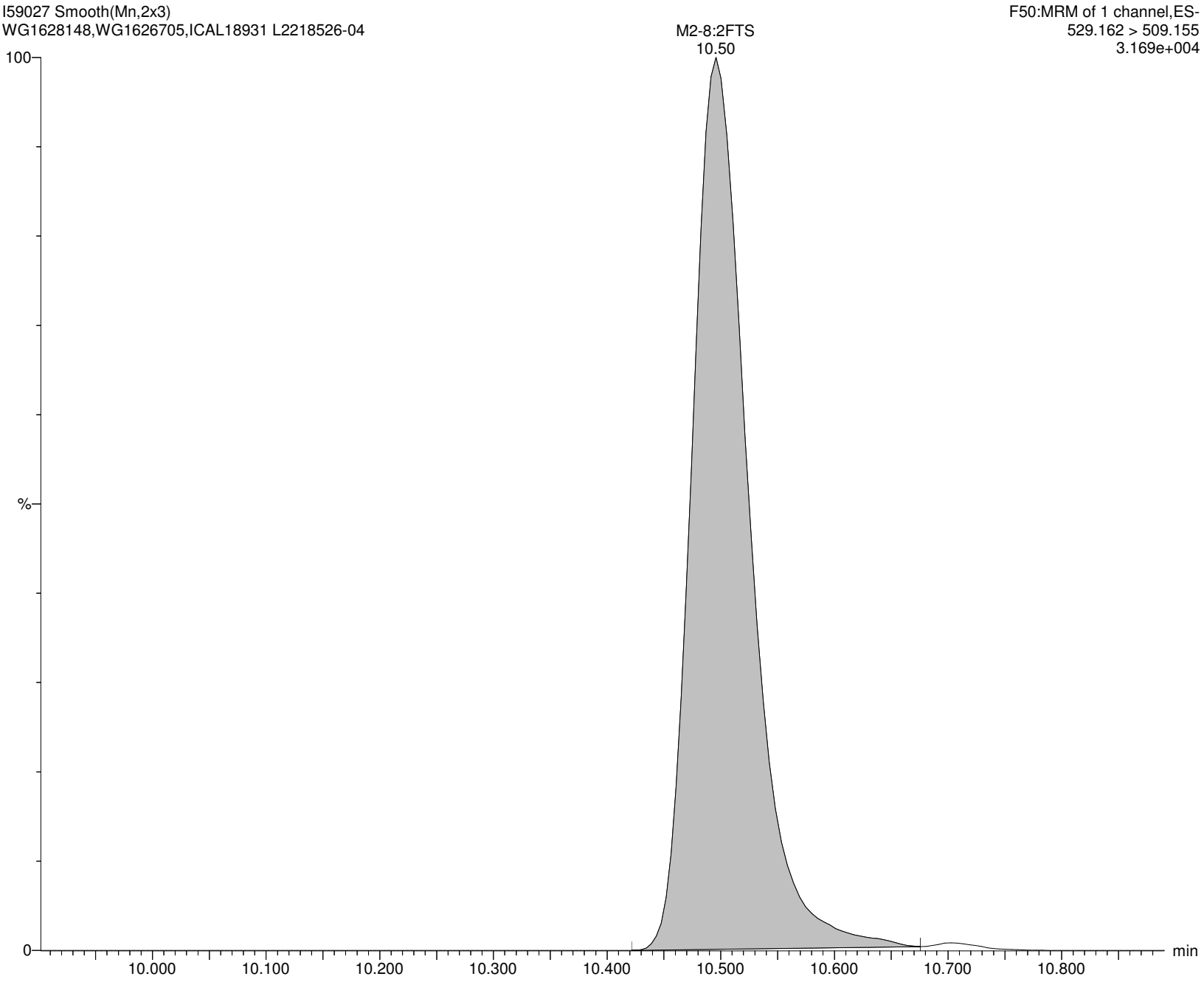


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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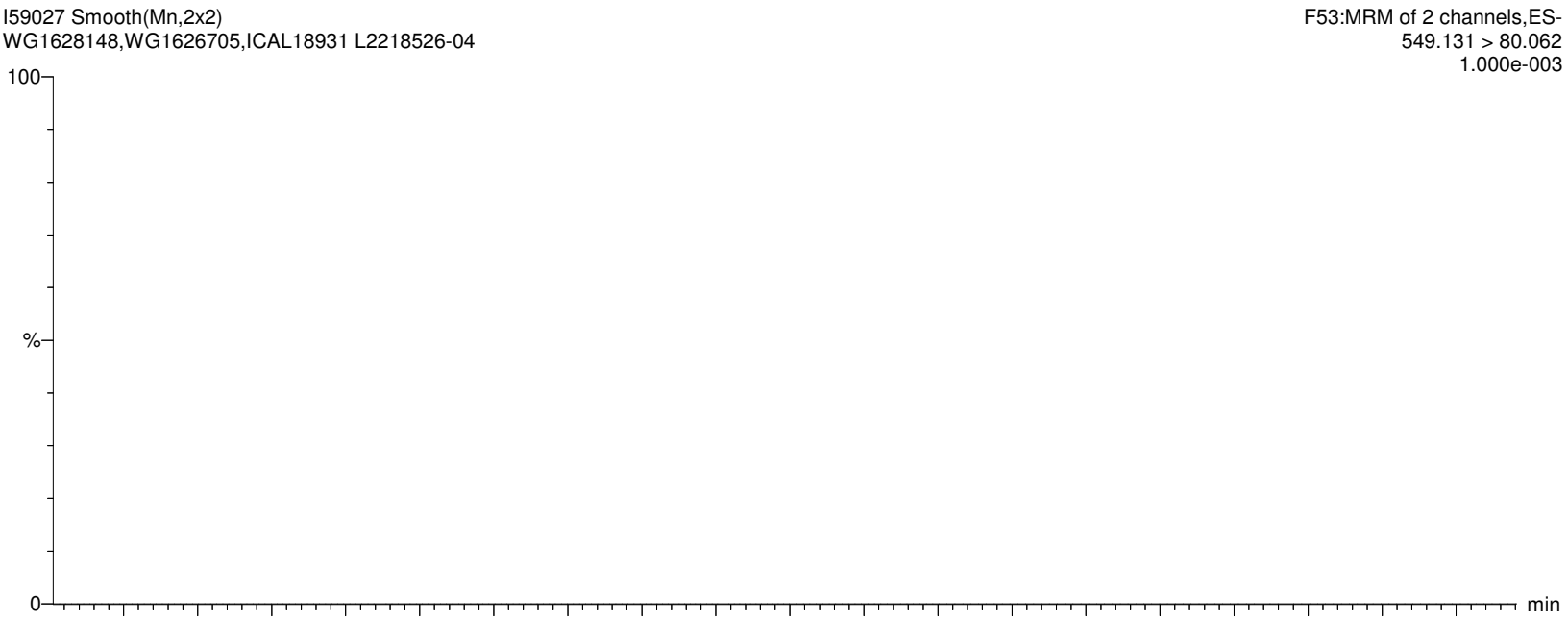


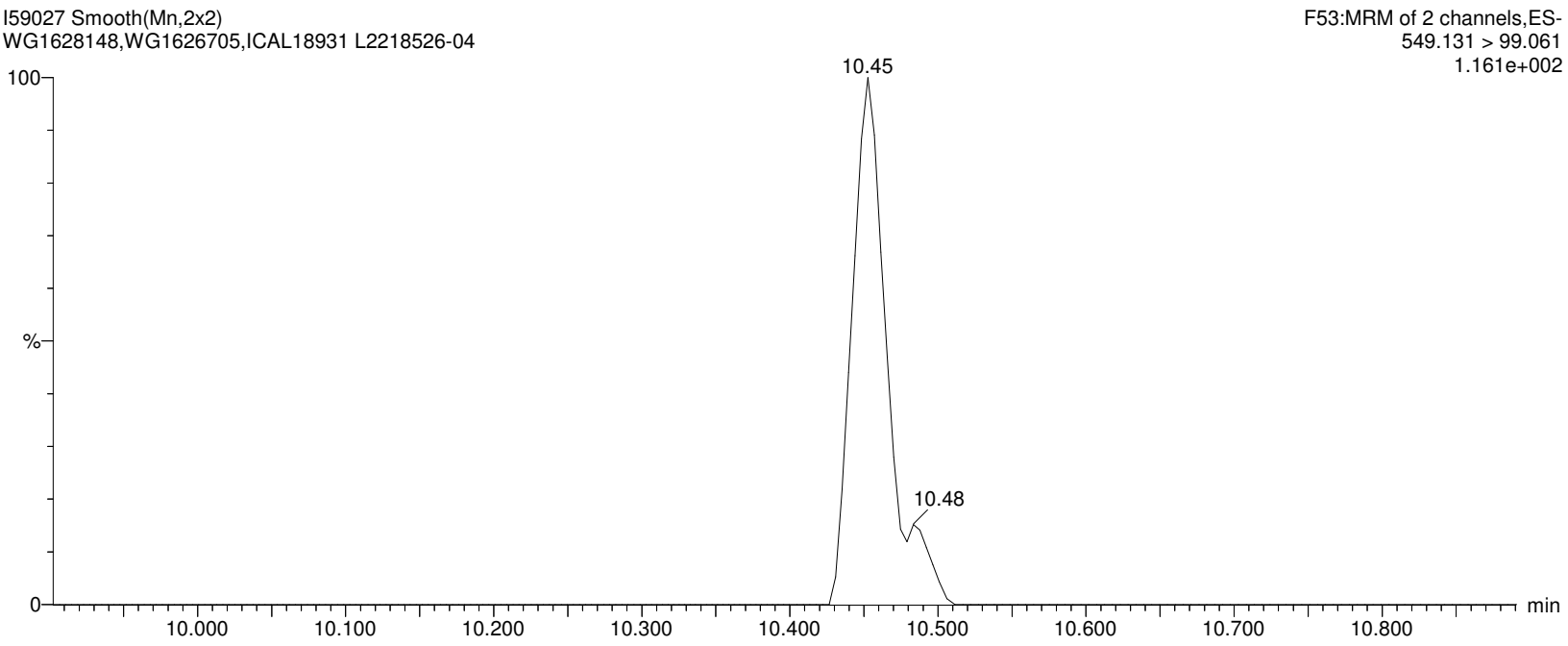
all concentration units in (ng/mL)

Alpha Analytical Inc.
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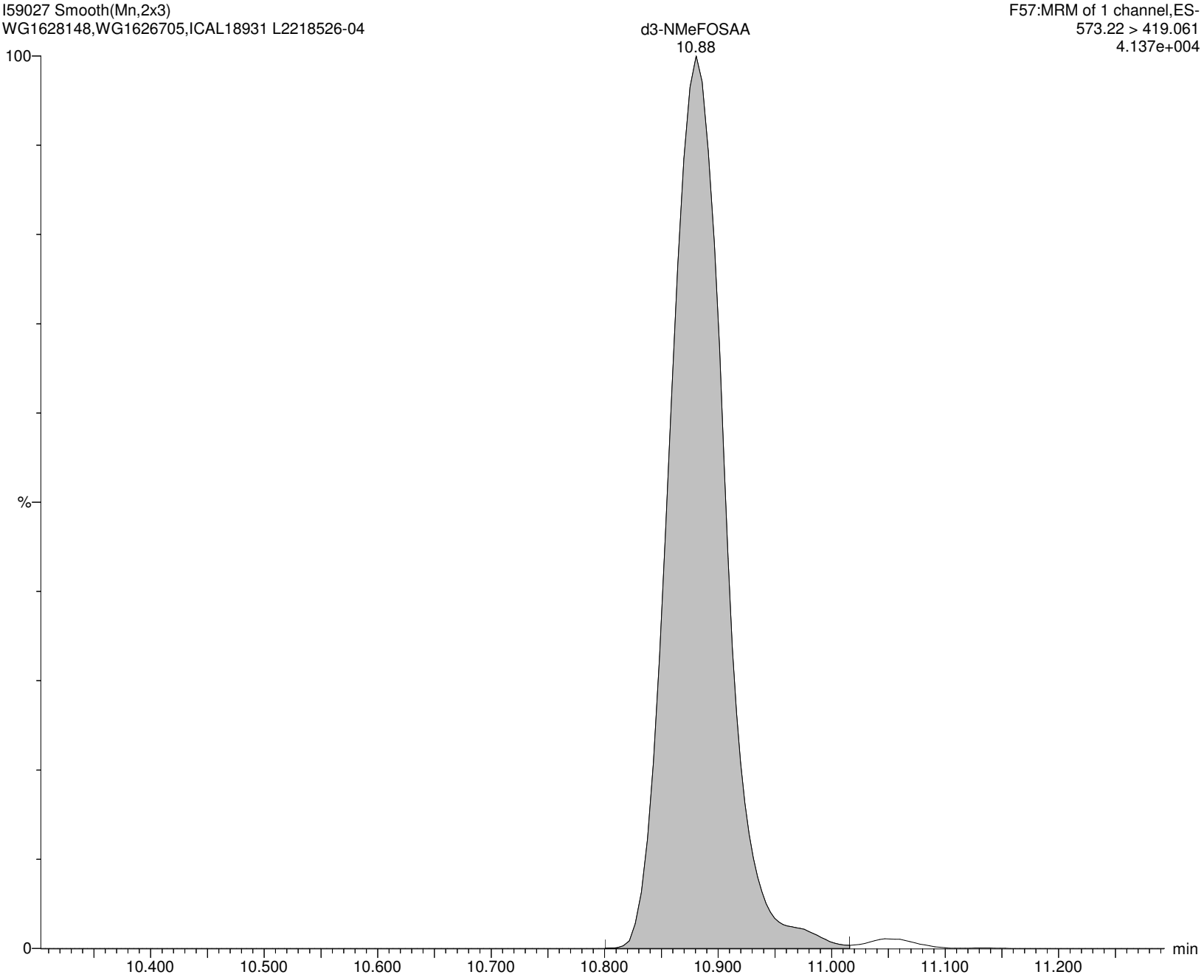


all concentration units in (ng/mL)

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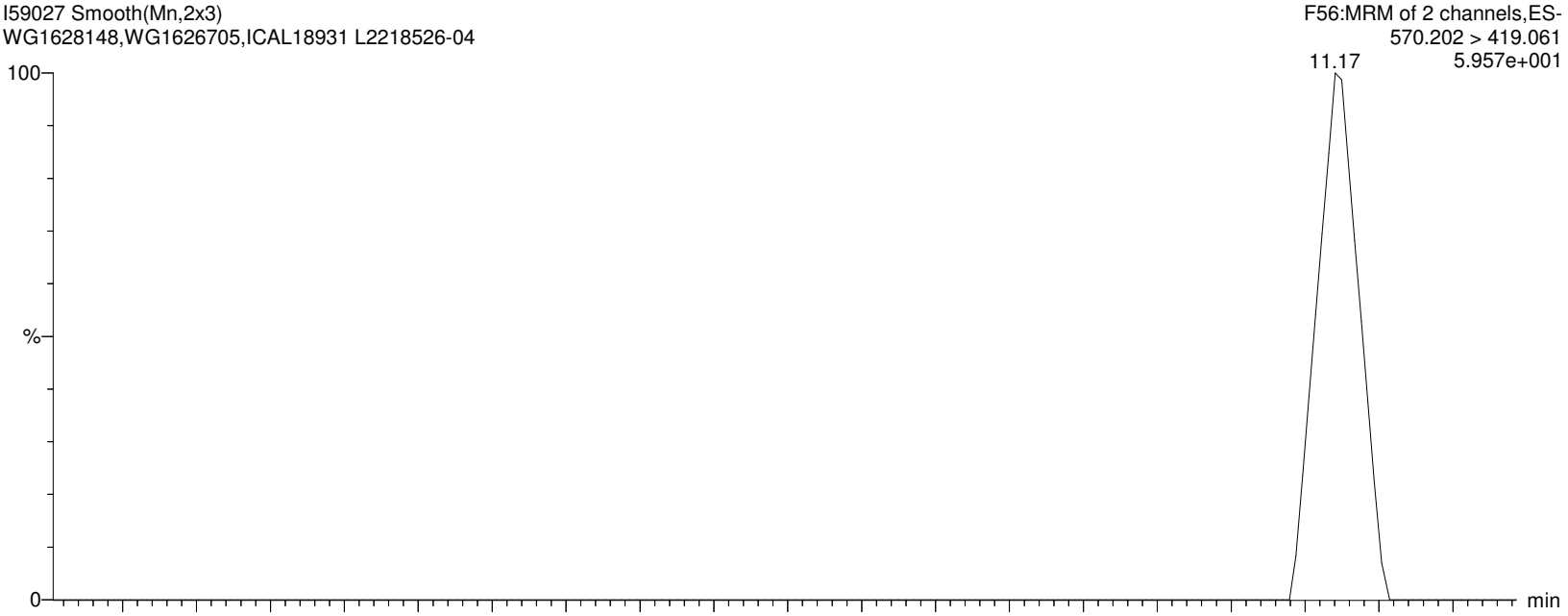


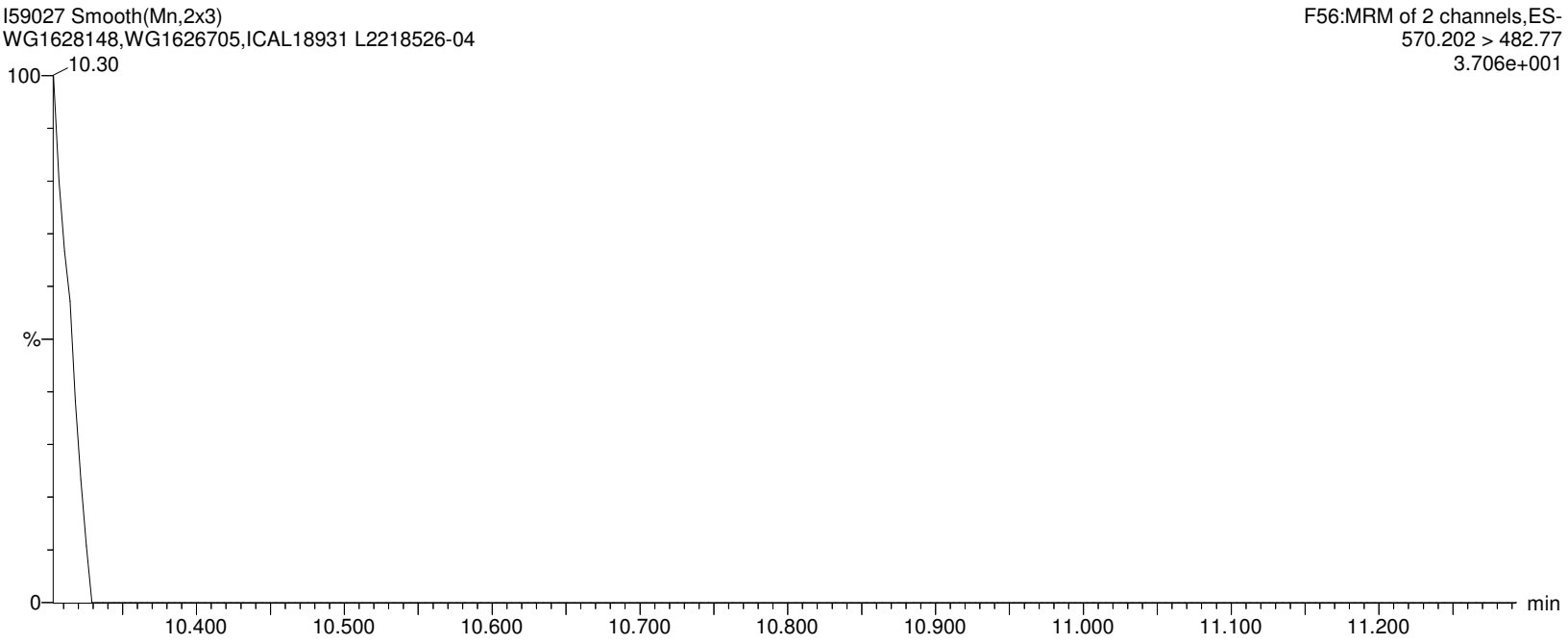
all concentration units in (ng/mL)

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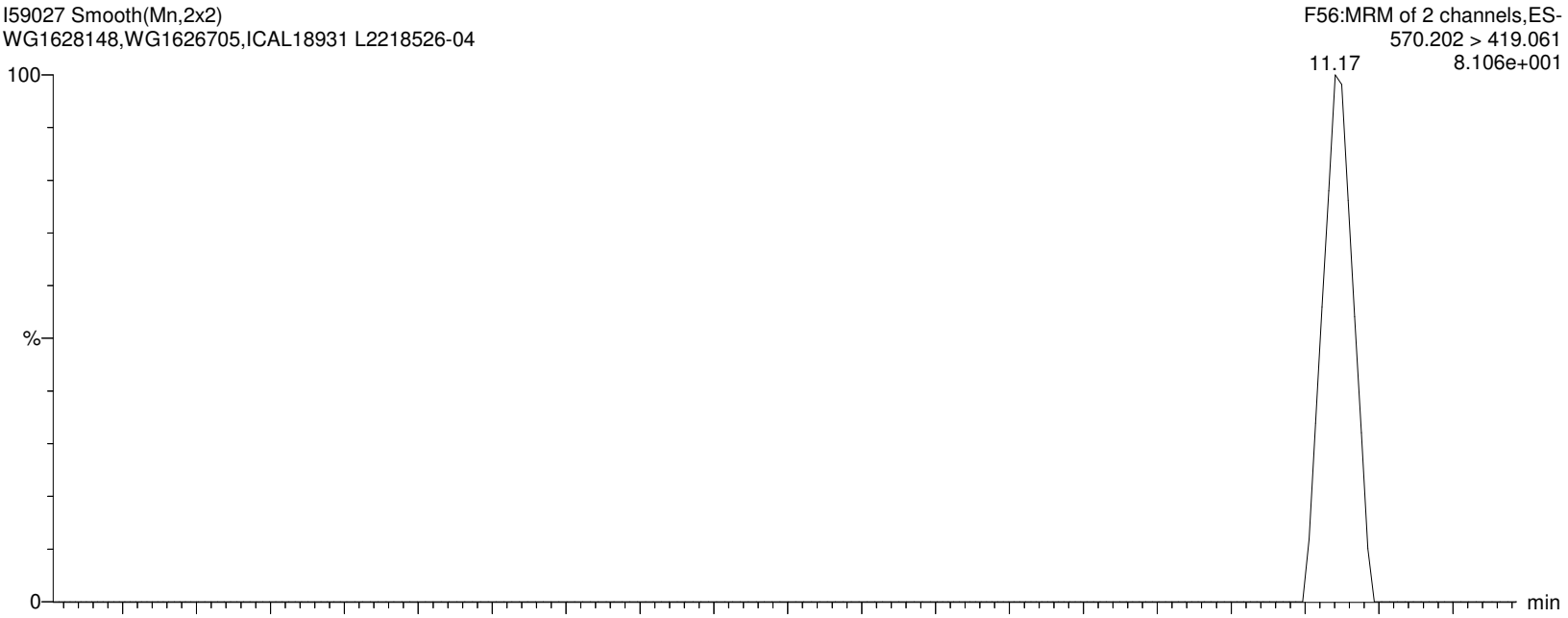


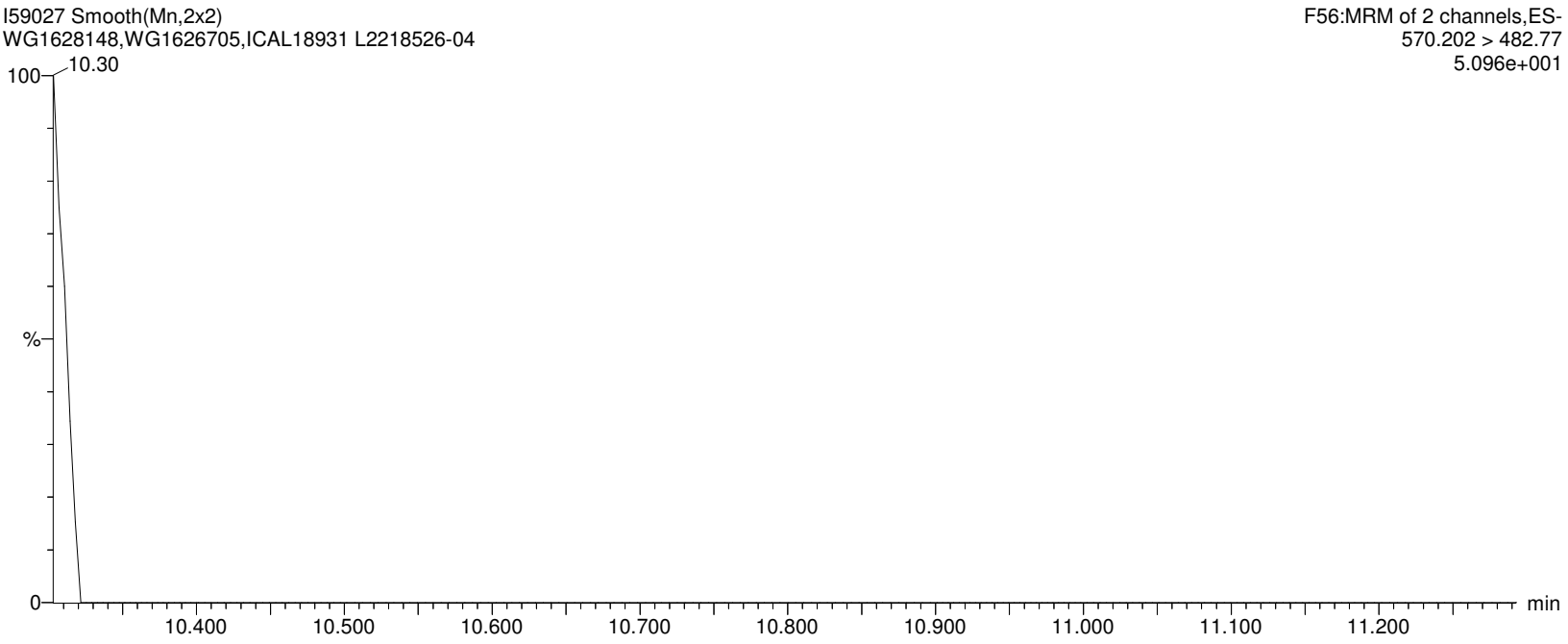
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L-NMeFOSAA



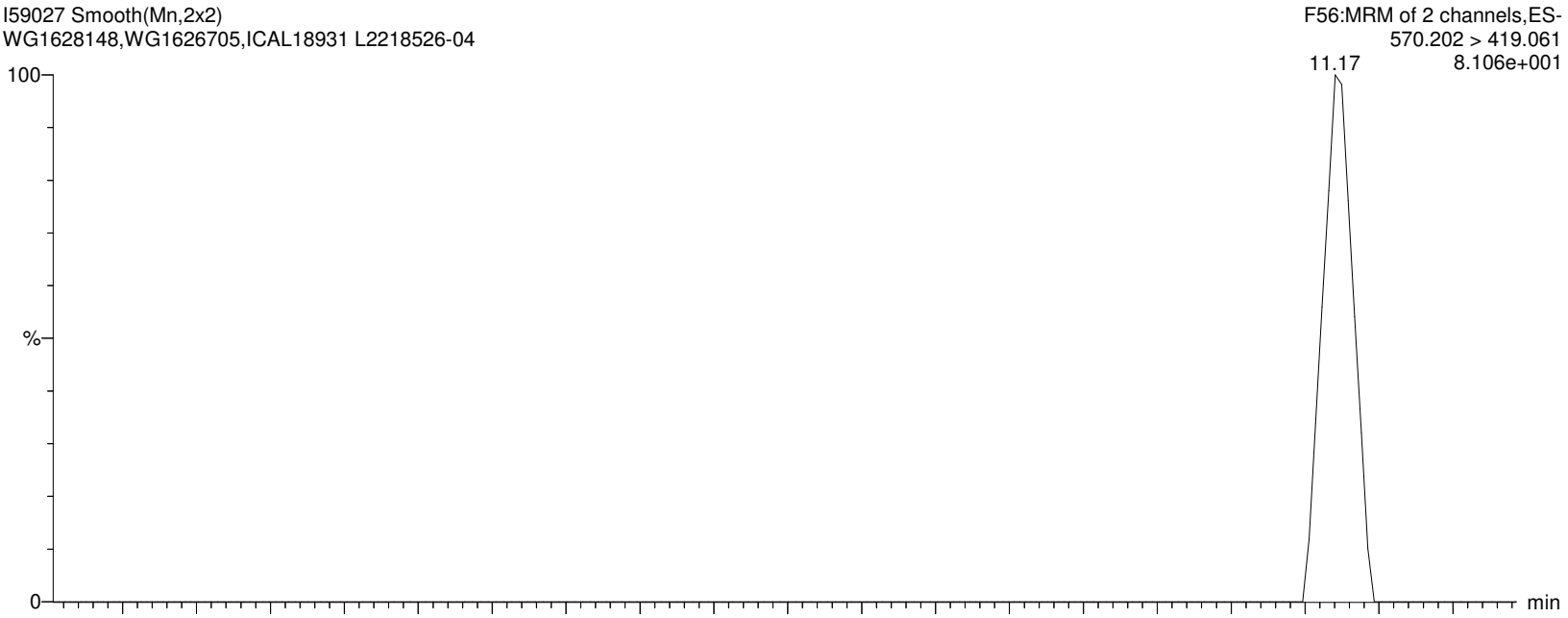


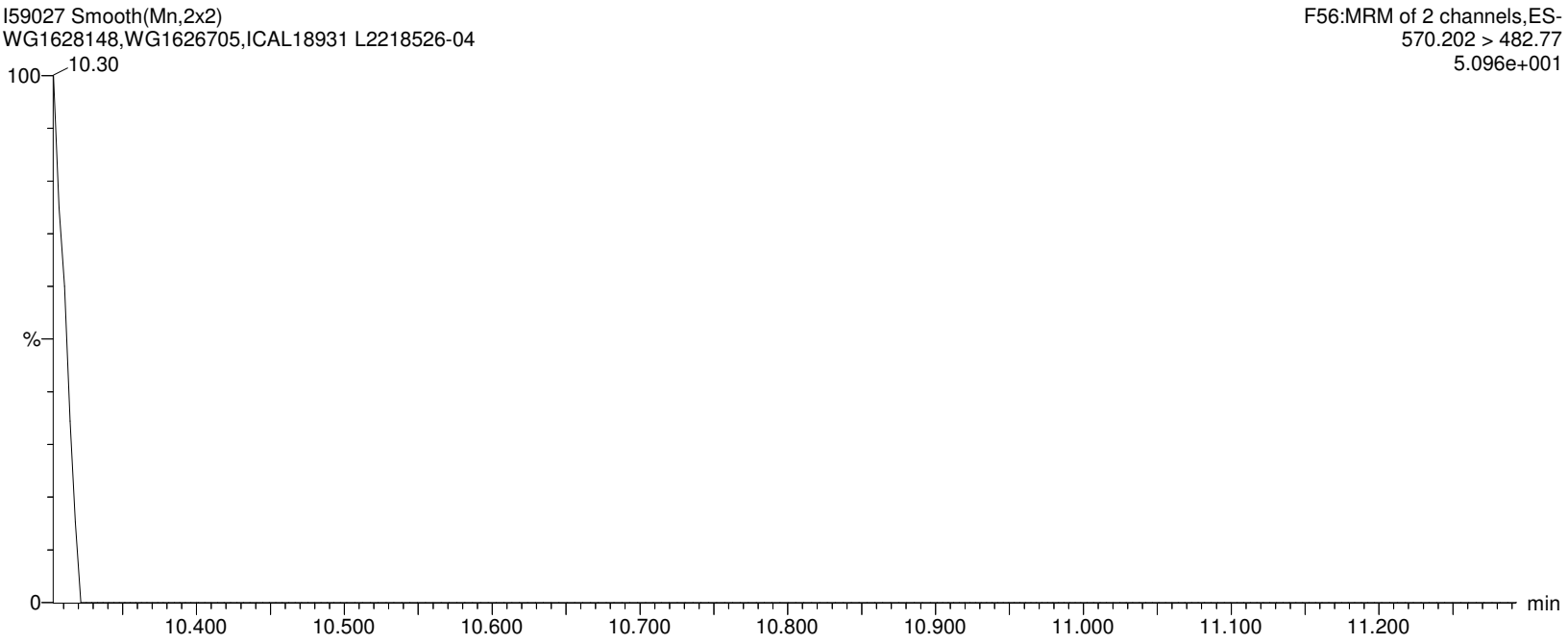
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:08 Eastern Daylight Time

Name: I59027
ID: L2218526-04
Date: 18-Apr-2022
Time: 00:44:47
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
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Instrument: XEVO-TQSmicro#QEB0050
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NMeFOSAA



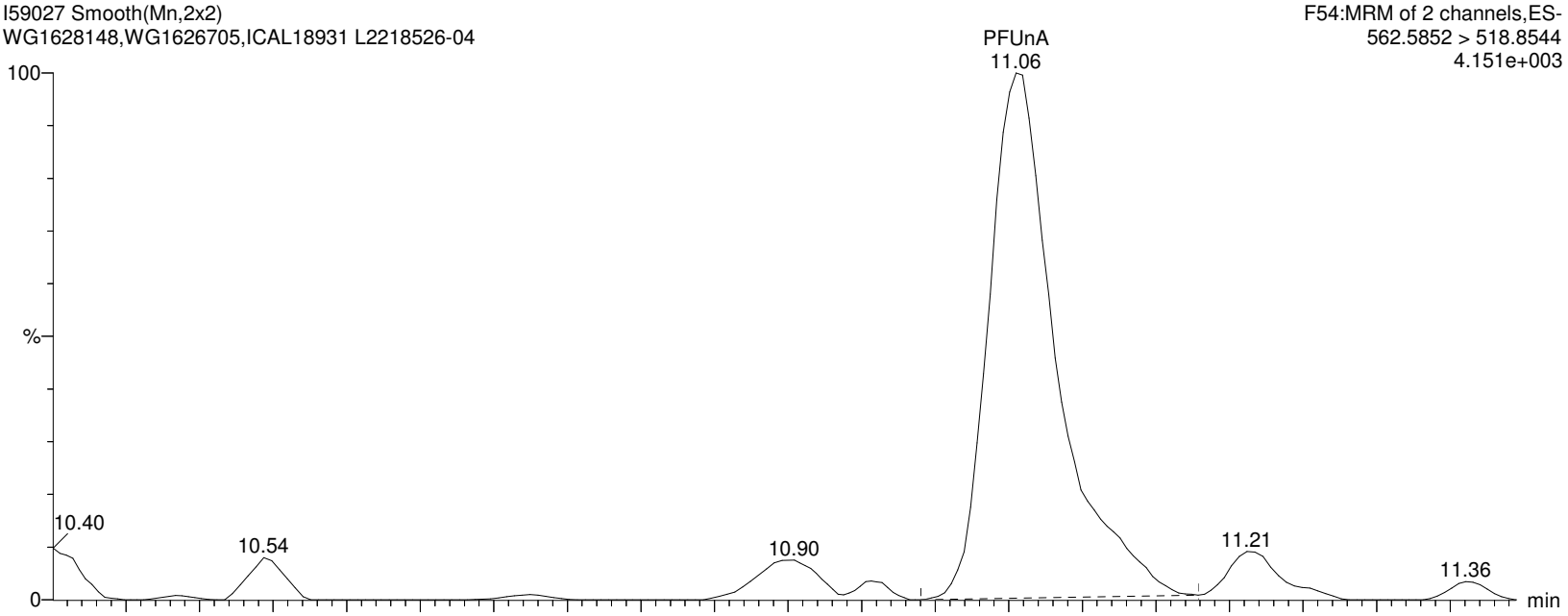


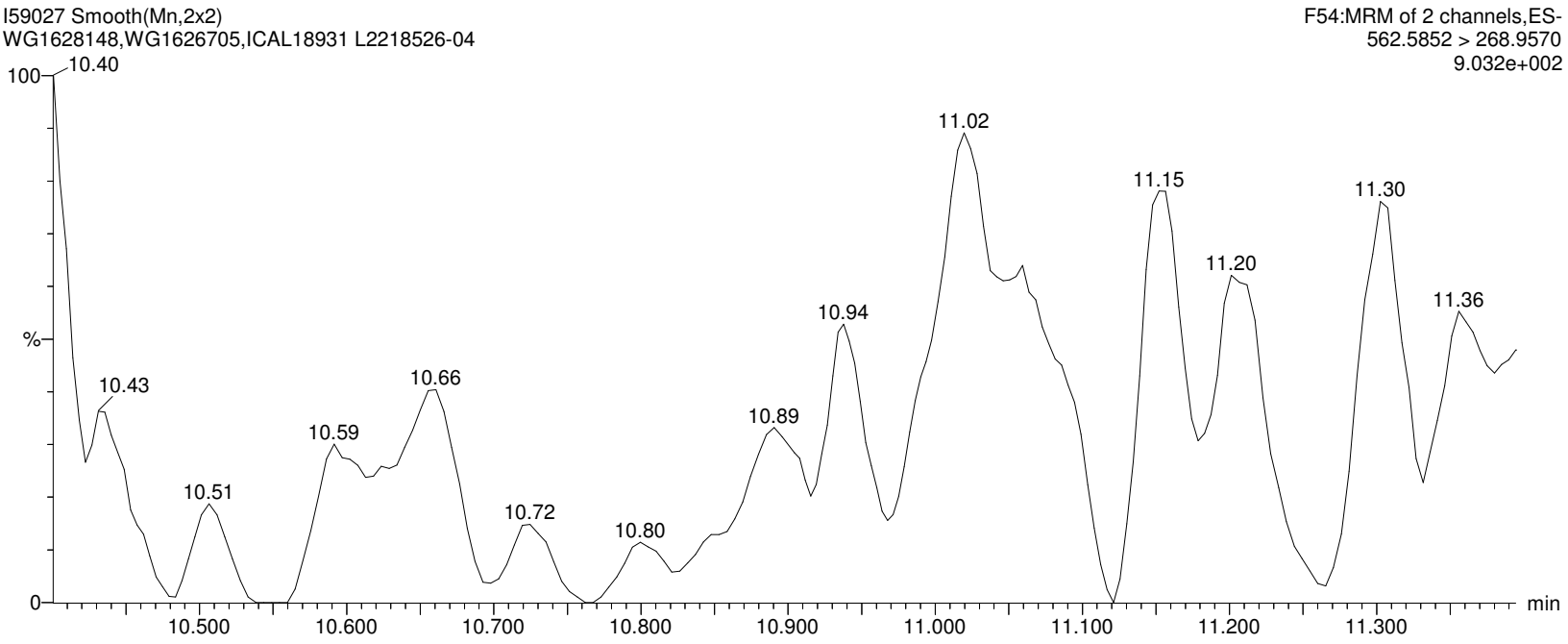
all concentration units in (ng/mL)

Alpha Analytical Inc.
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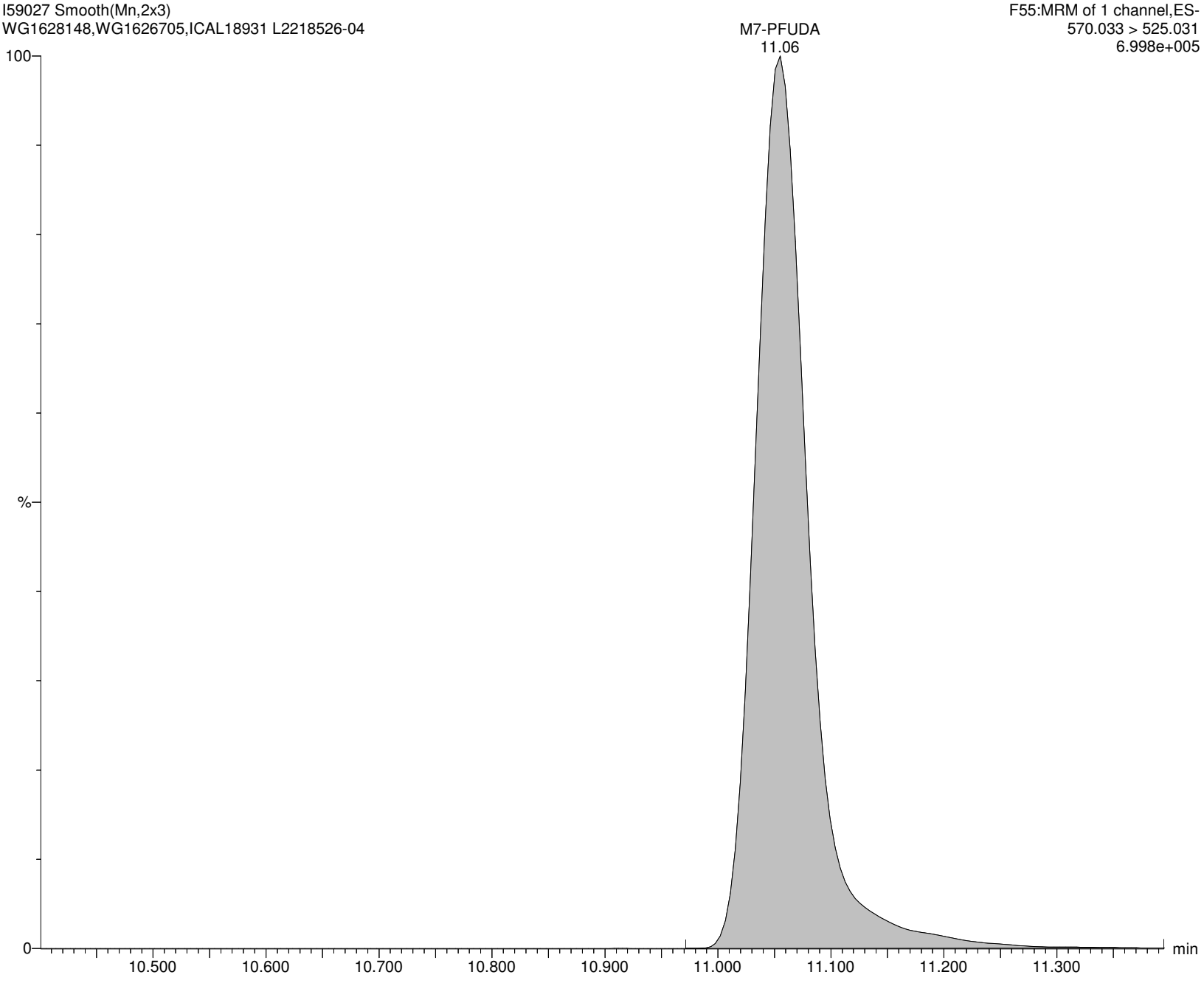


all concentration units in (ng/mL)

Alpha Analytical Inc.
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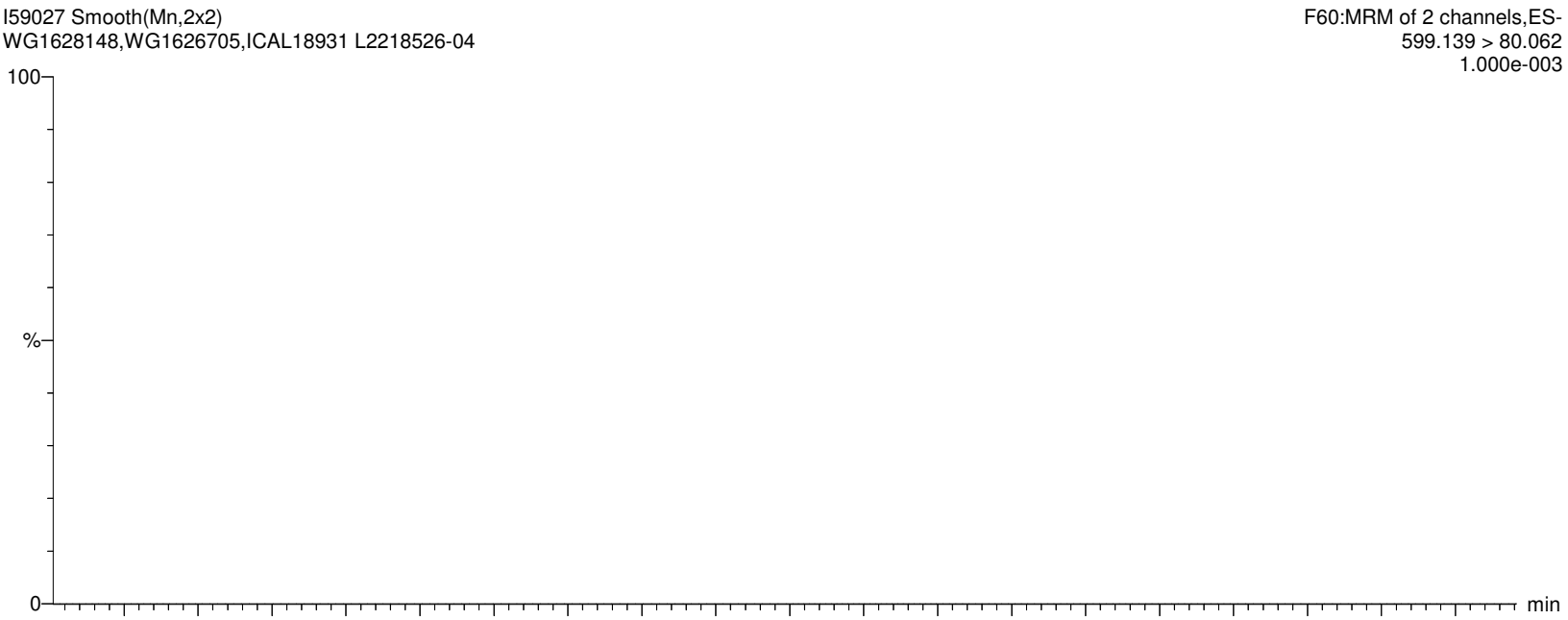


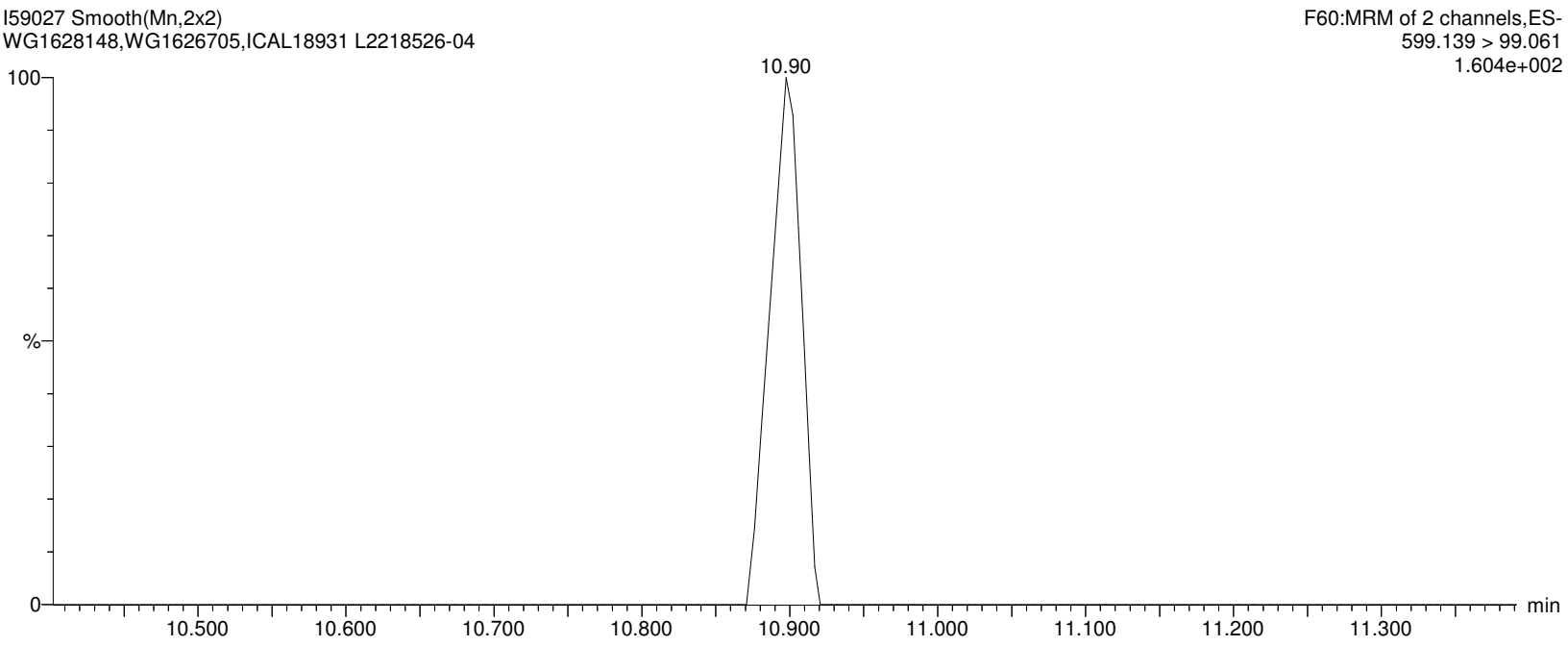
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDS



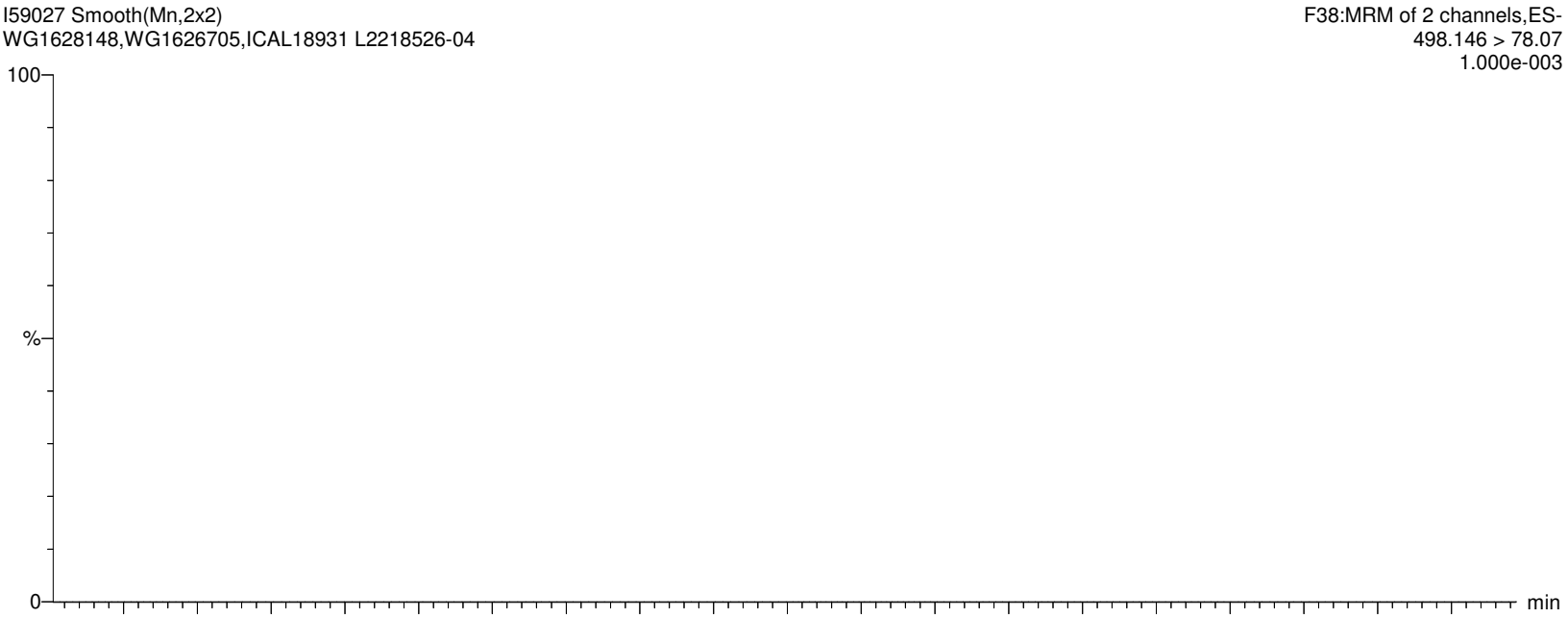


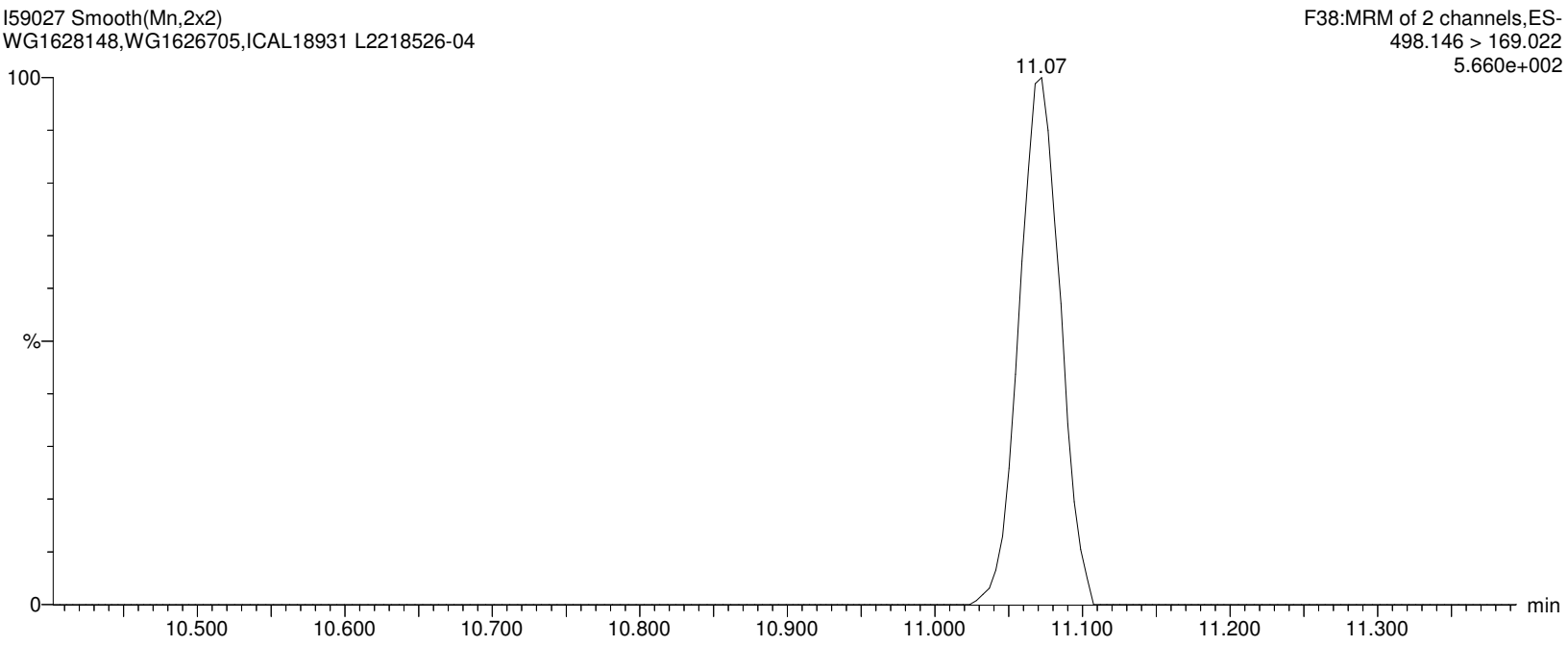
all concentration units in (ng/mL)

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FOSA



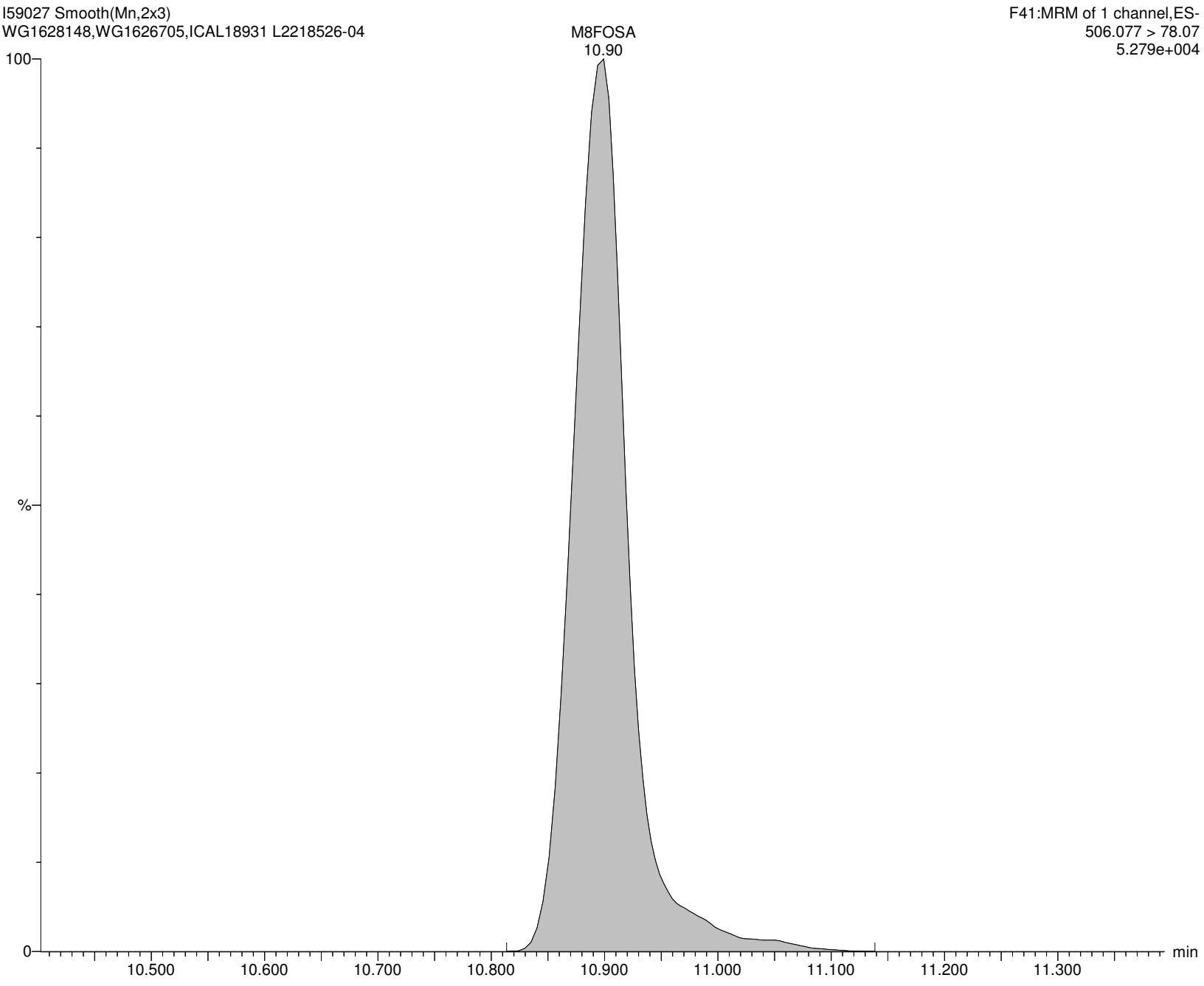


all concentration units in (ng/mL)

Alpha Analytical Inc.
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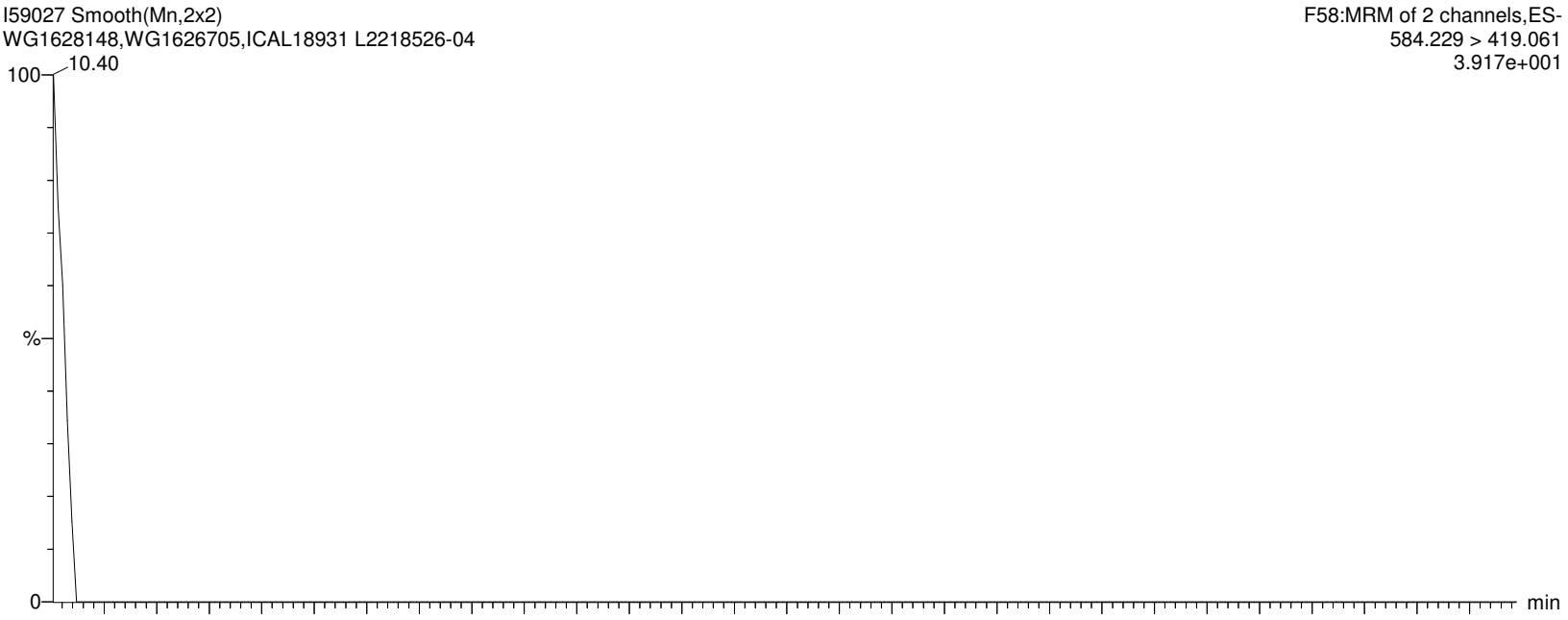


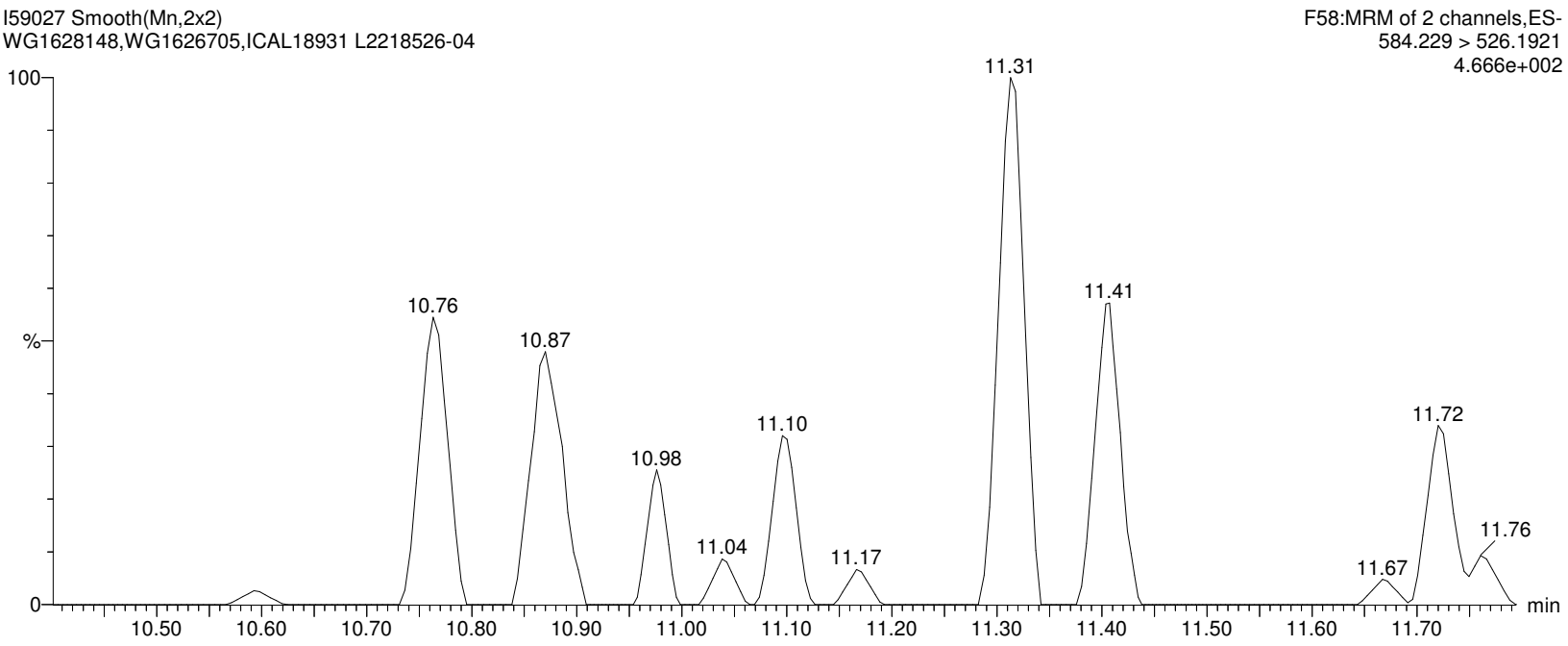
all concentration units in (ng/mL)

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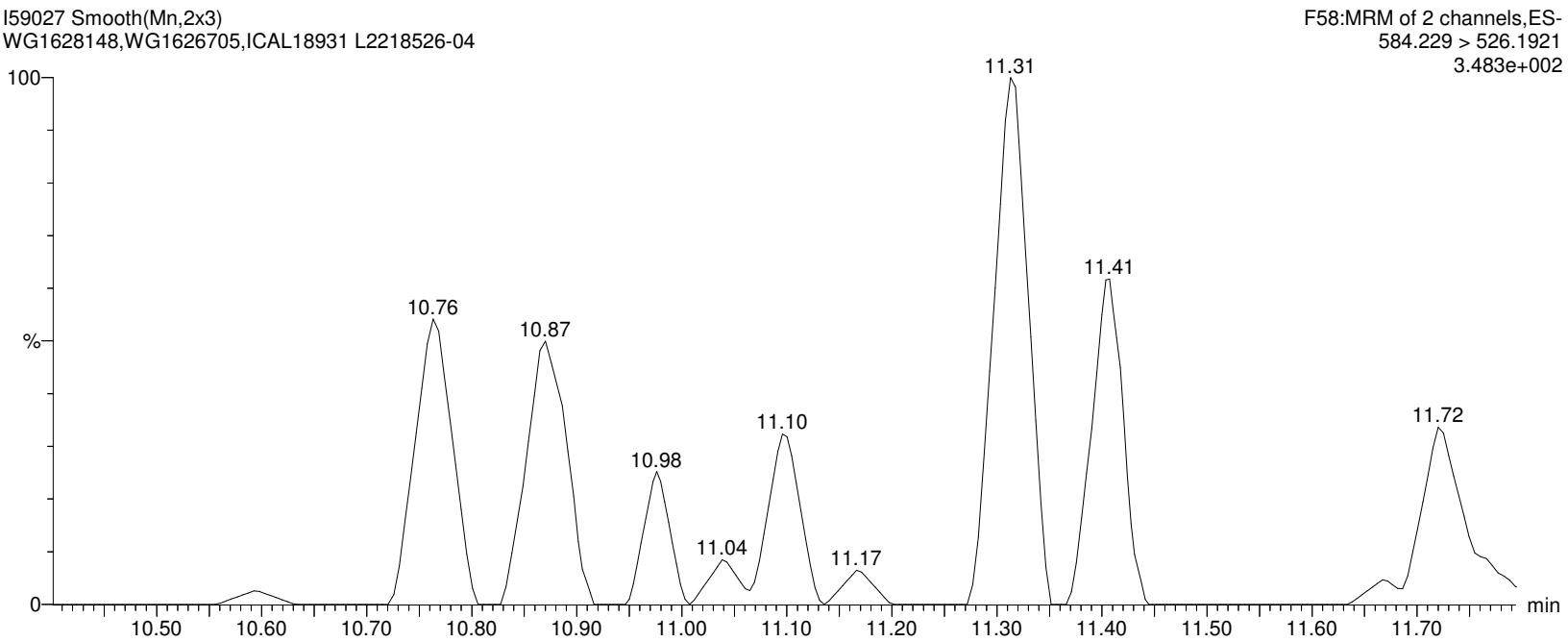
all concentration units in (ng/mL)

Alpha Analytical Inc.
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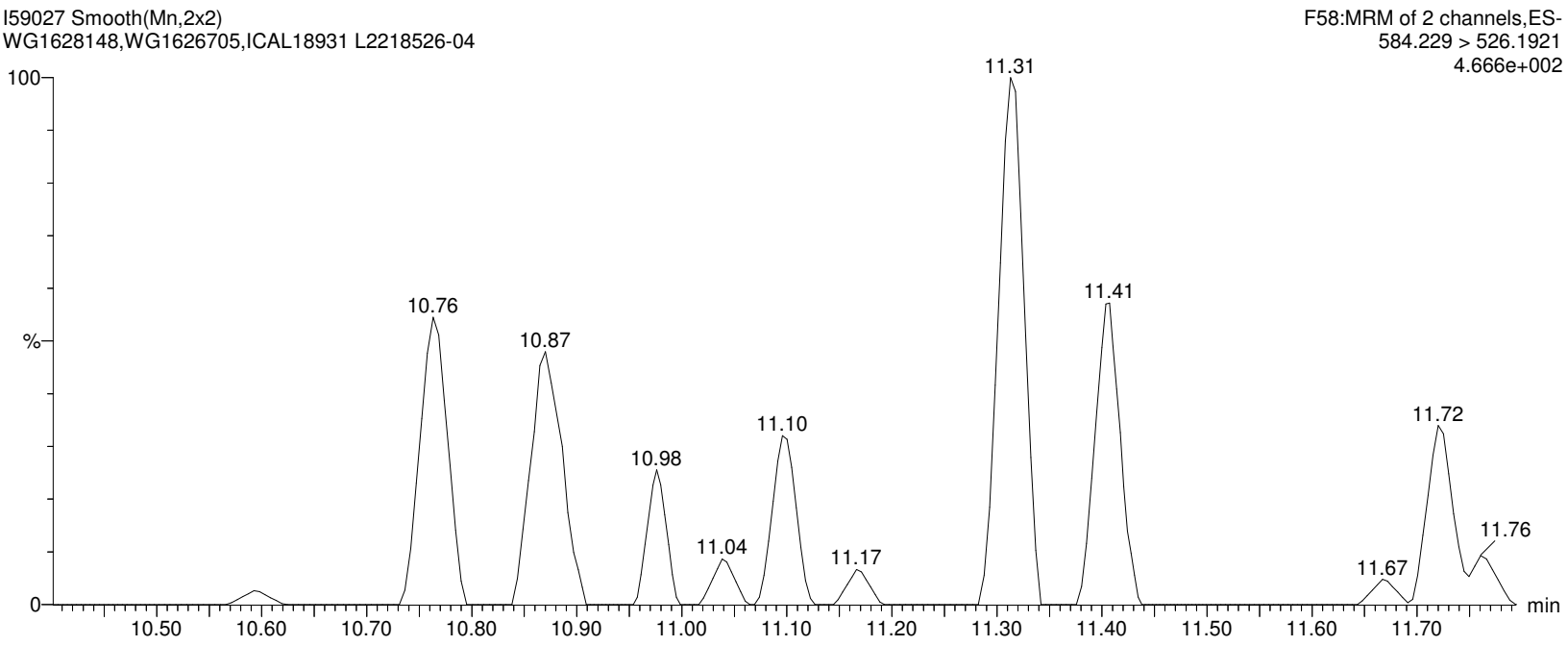
all concentration units in (ng/mL)

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Time: 00:44:47
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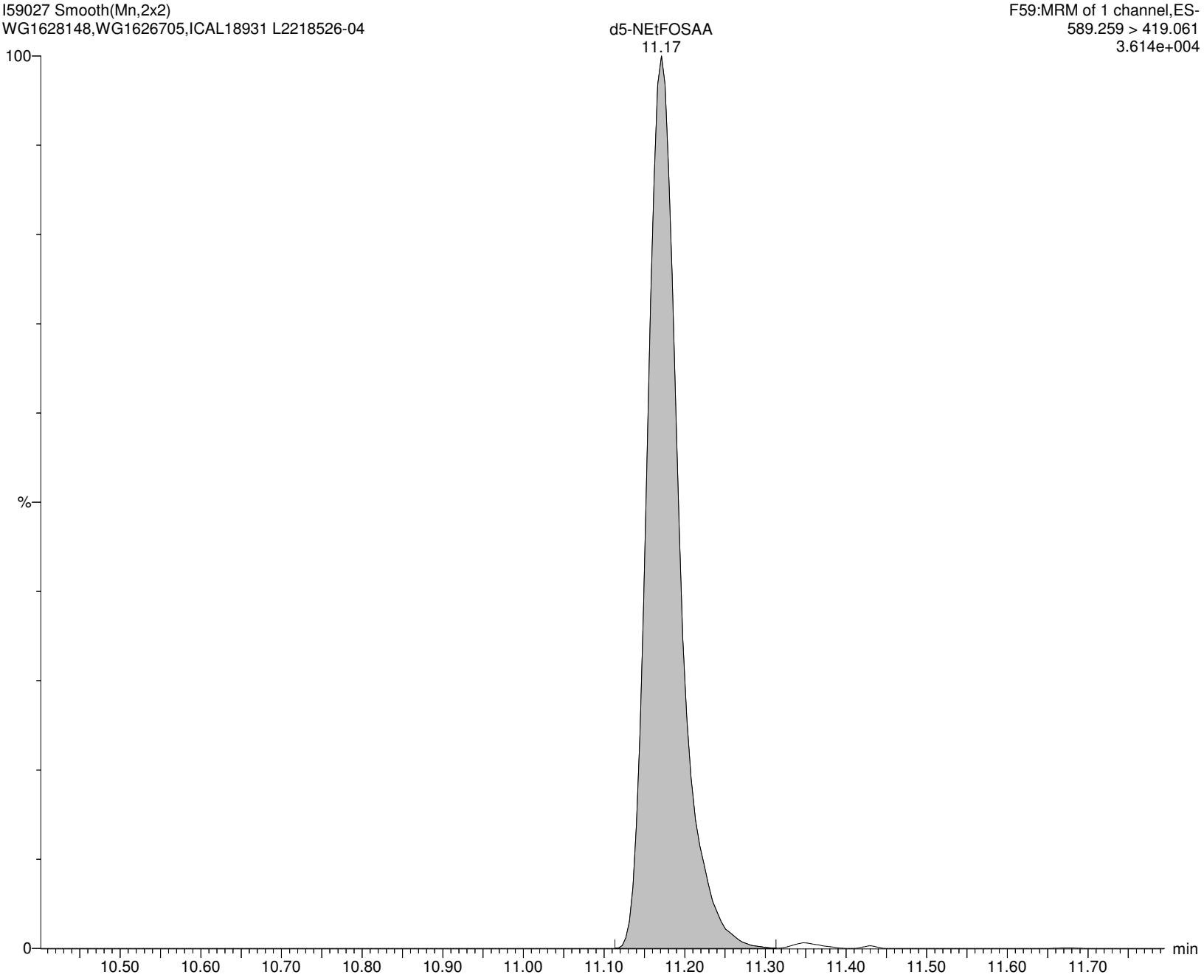


all concentration units in (ng/mL)

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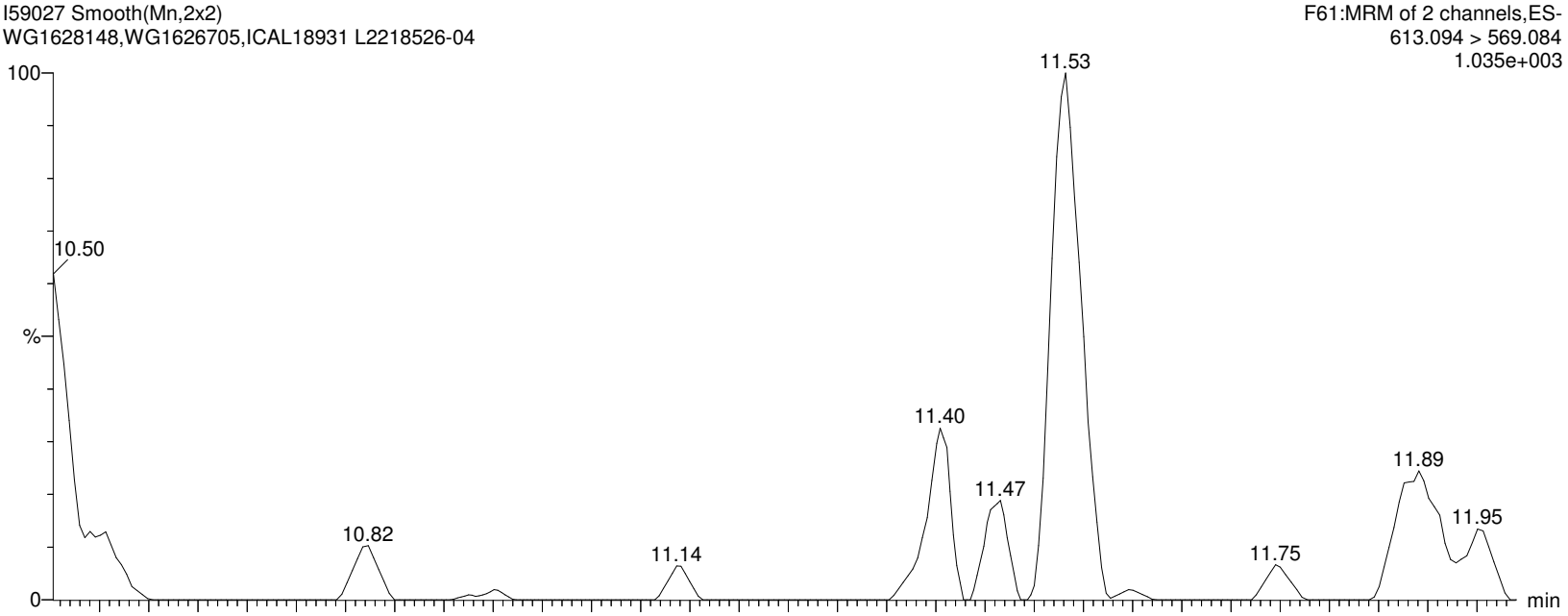


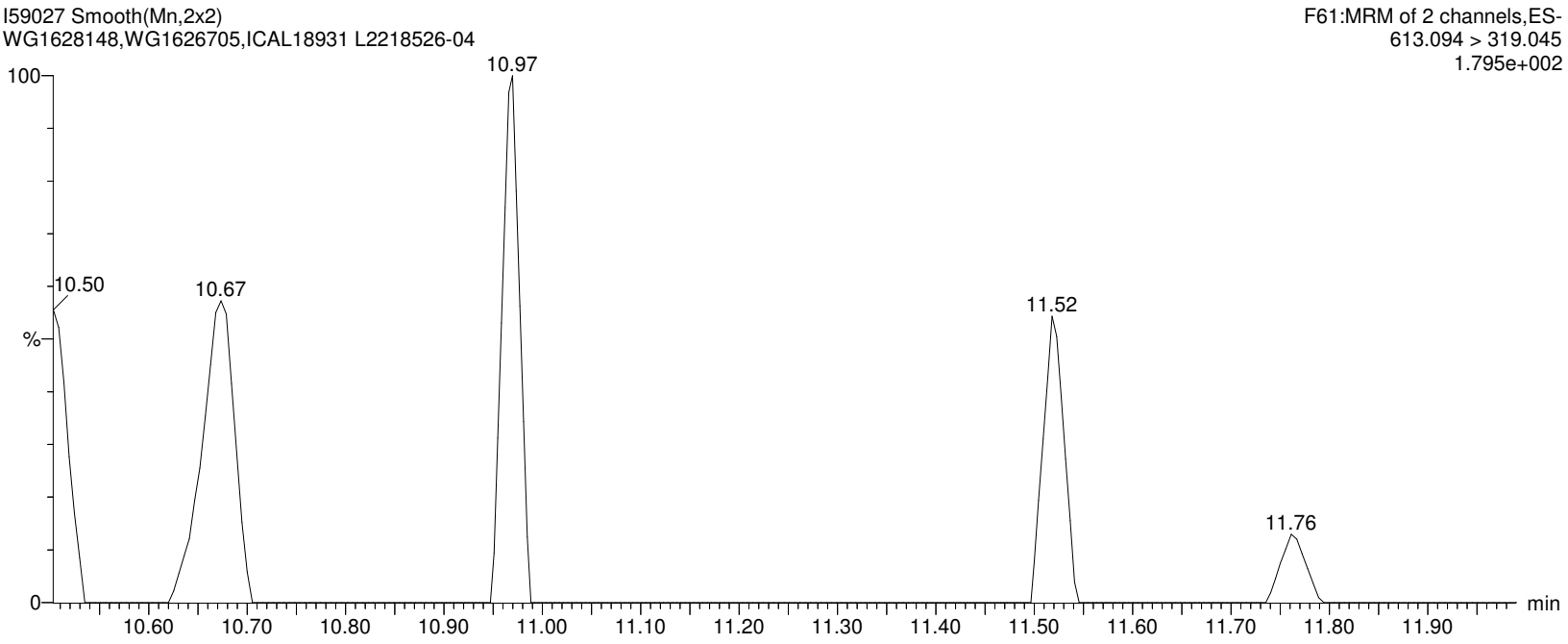
all concentration units in (ng/mL)

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Date: 18-Apr-2022
Time: 00:44:47
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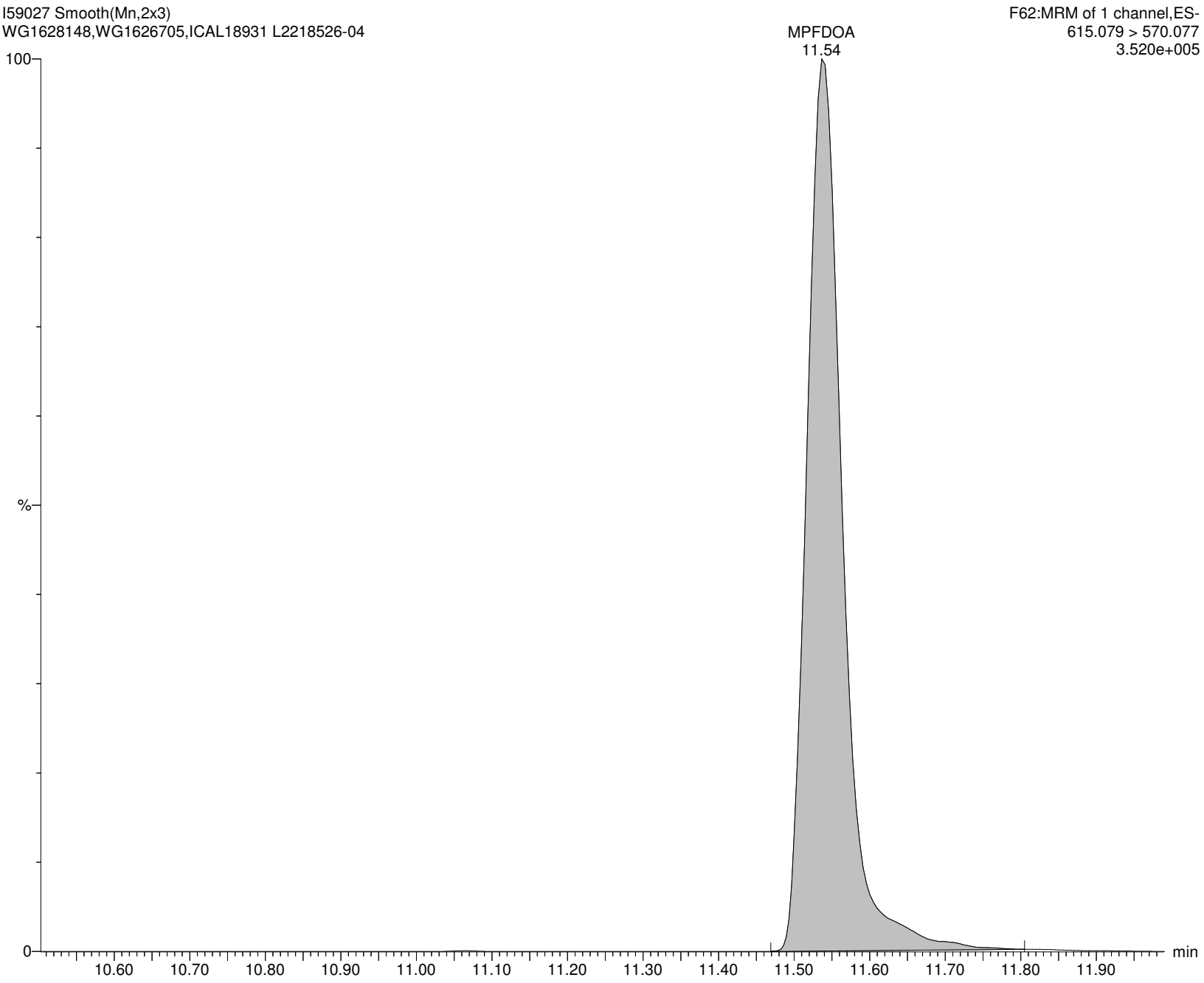


all concentration units in (ng/mL)

Alpha Analytical Inc.
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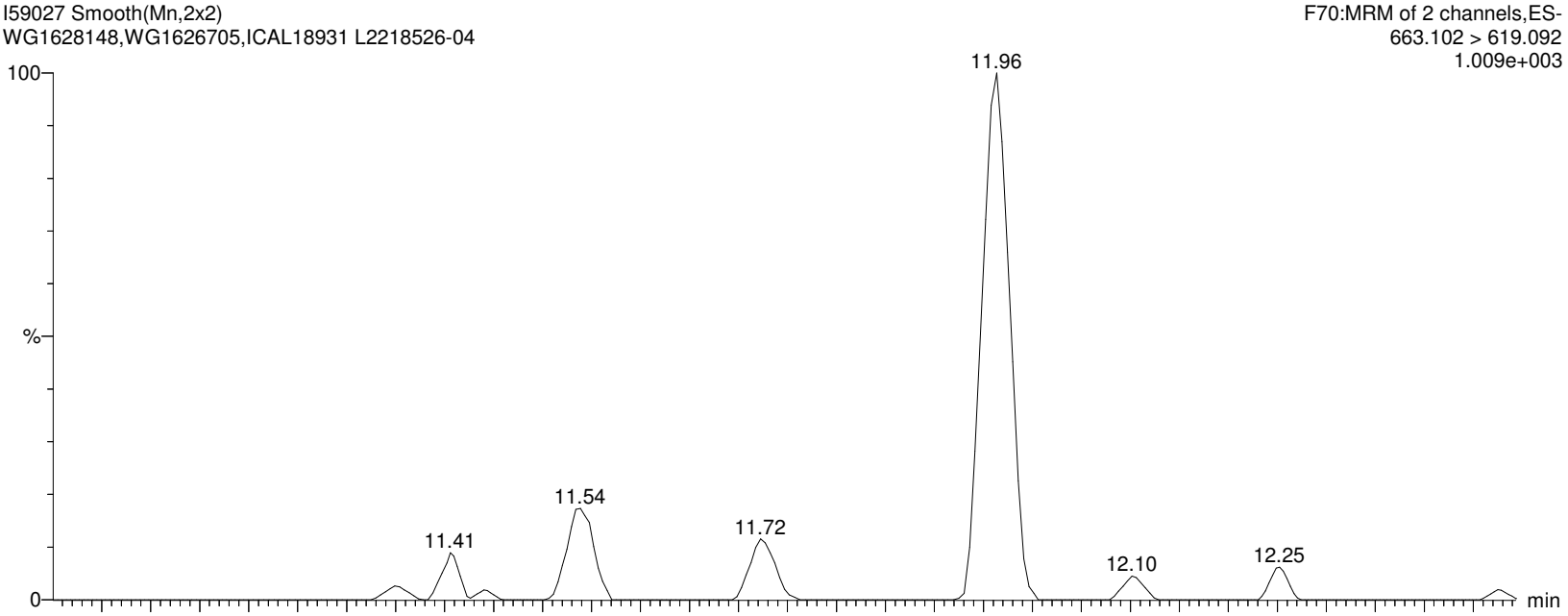


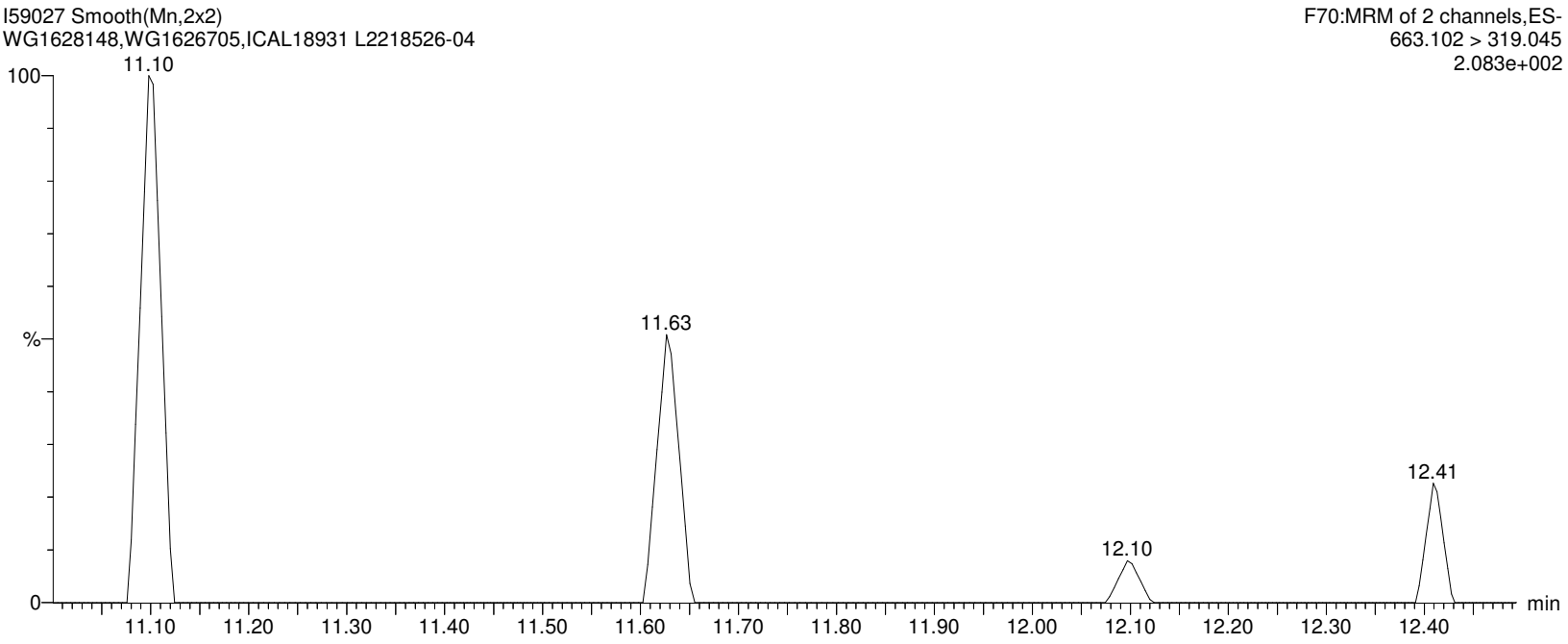
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 18-Apr-2022
Time: 00:44:47
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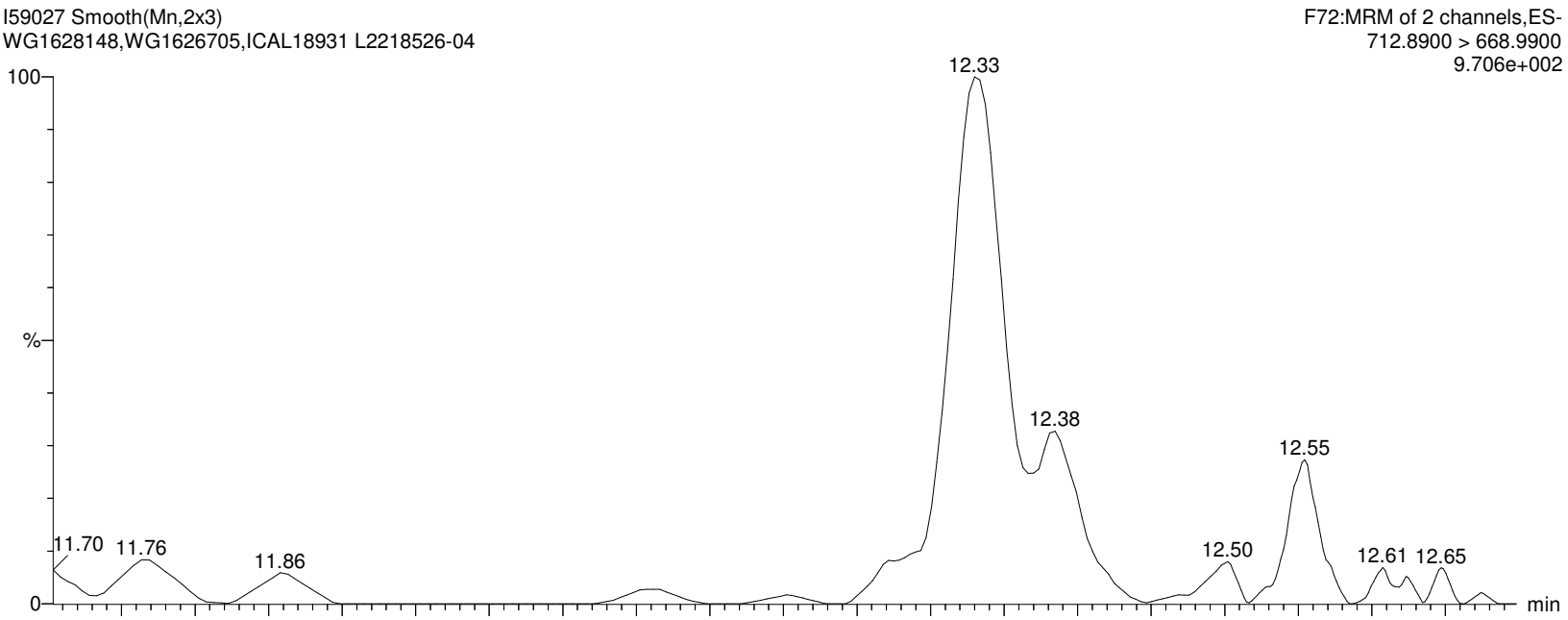


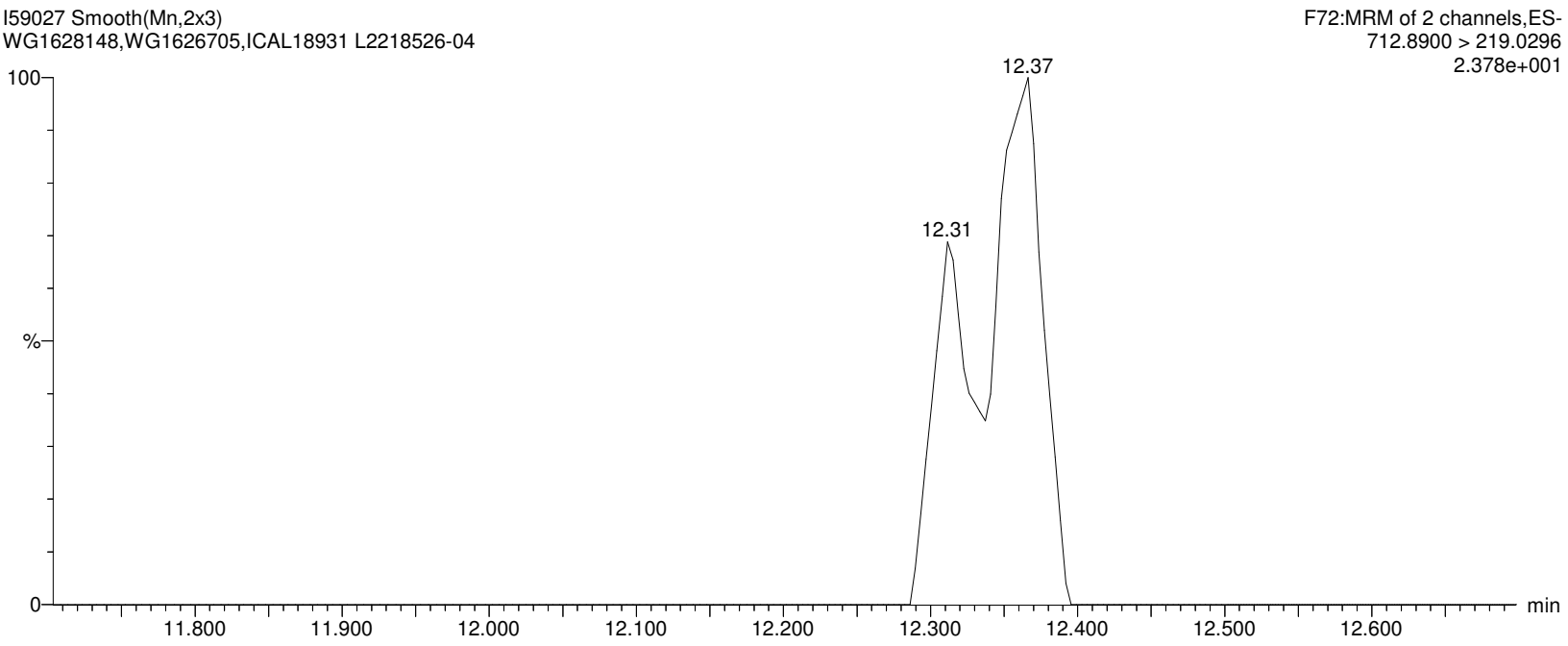
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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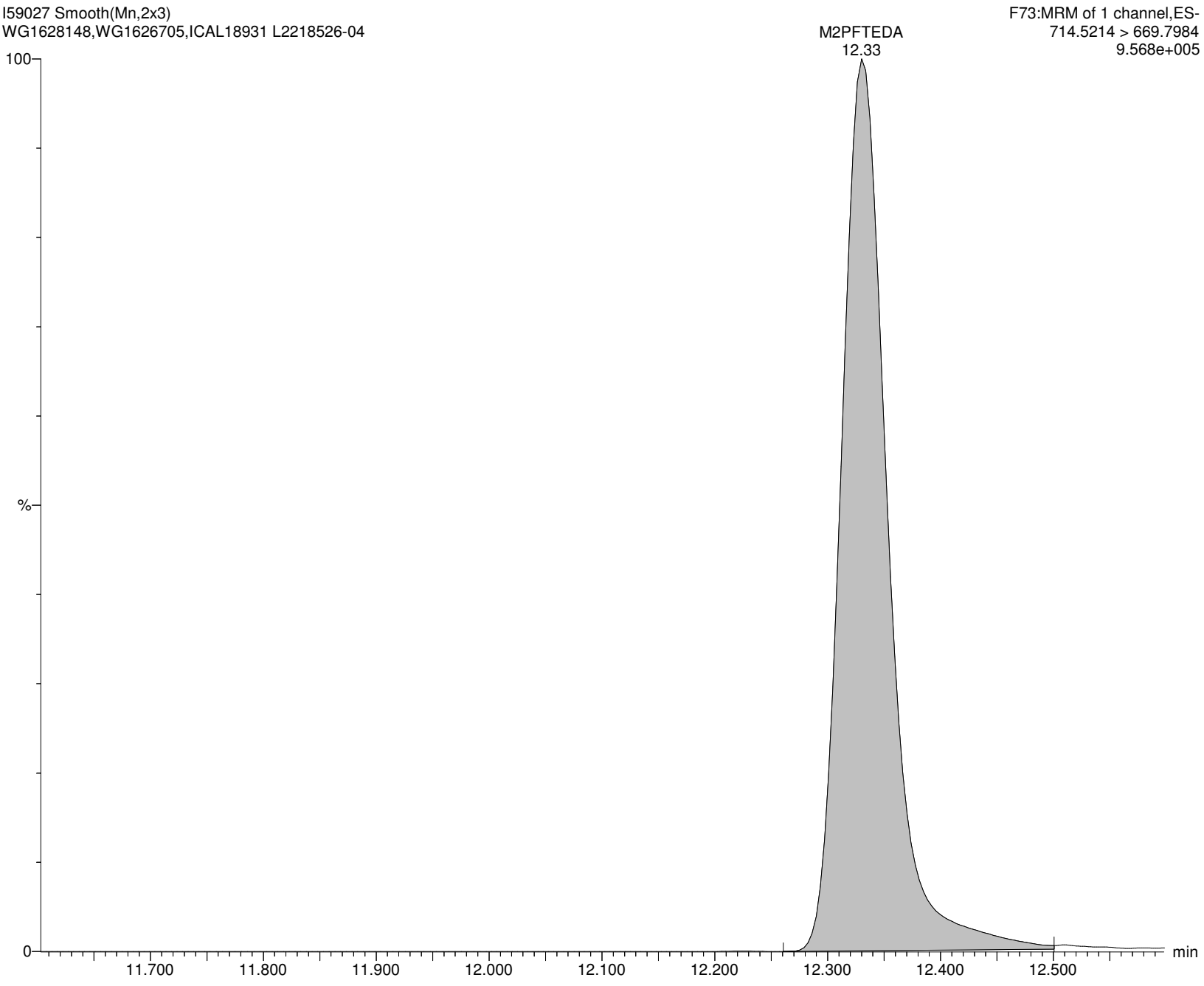


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Time: 00:44:47
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFTEDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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Time: 01:01:21
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	2885		1.343		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	25235		9.907		na	99.1
3	MPFBA	INT STD	2.12	217.001 > 171.999	25045		8.896		na	89.0
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	3785		1.478		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	33150		9.586		na	95.9
6	PFBS	375-73-5	5.65	299.092 > 80.062	1637		1.852	1.94	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	7988		8.887		na	95.3
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	6243		15.559		na	165.9
10	PFHxA	307-24-4	6.88	313.047 > 269.037	4997		1.234	17.85	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	41664		7.373		na	73.7
12	PFPeS	2706-91-4	7.22	349.1 > 80.062	86	M7	0.100	1.96	NO	
13	PFHpA	375-85-9	8.16	363.055 > 319.045	4640		0.797	5.94	NO	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	57872		8.558		na	85.6
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	80	M5,M7	0.125	1.86	NO	
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	358	M4	0.480	1.63	NO	
17	PFHxS	355-46-4		399.107 > 80.062	438		0.606		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	7989		9.477		na	100.0
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	2133	M5	0.259	2.86	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	23351		2.831	9.12	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	25484		3.090		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	83785		9.184		na	91.8
23	M2PFOA	INT STD	9.11	414.828 > 369.935	84336		12.932		na	129.3
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	32	M7	0.086	5.80	YES	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	3545		9.830		na	103.4
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	1443		0.231	3.51	NO	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	73524		8.630		na	86.3
29	br-PFOS	1763-23-1	9.66	498.9030 > 79.9520	1579	M5,M7	1.382	4.81	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	2225		2.495	1.59	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	3805		3.876		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	8573		13.142		na	131.4
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	9953		9.026		na	94.1
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	511	M7	0.078	11.23	YES	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	70284		13.093		na	130.9
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	70424		8.400		na	84.0
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	1758		7.313		na	76.2
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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ID: L2218526-05
Name: I59028
Date: 18-Apr-2022
Time: 01:01:21
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	2357		6.793		na	67.9
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8	11.05	562.5852 >518.8544	253	M7	0.045	6.22	NO	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	37364		7.492		na	74.9
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	3137		1.339		na	13.4
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	1586		5.478		na	54.8
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	20654		6.518		na	65.2
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	69	M7	0.024	5.58	NO	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	43407		6.486		na	64.9

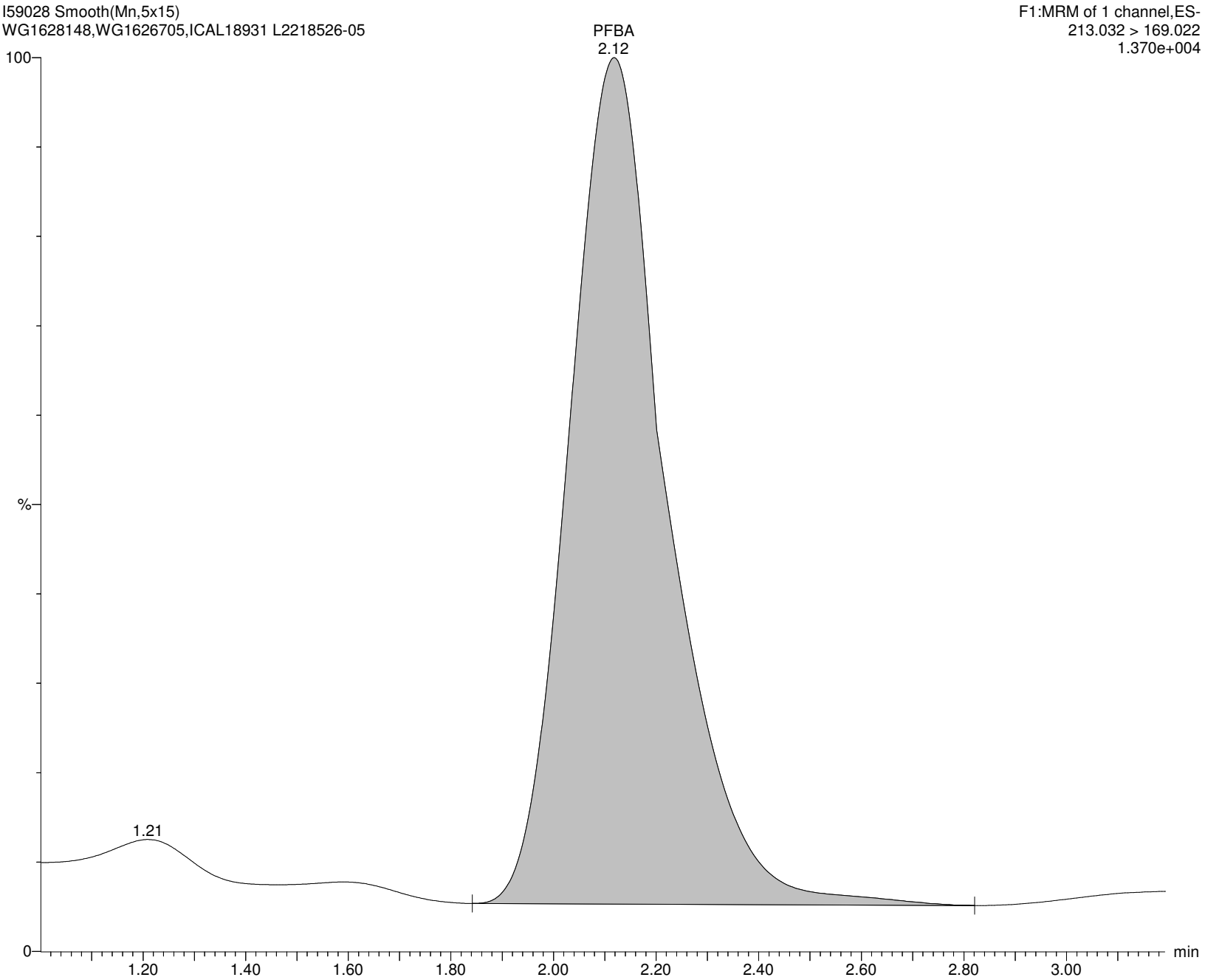
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Instrument: XEVO-TQSmicro#QEB0050
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PFBA

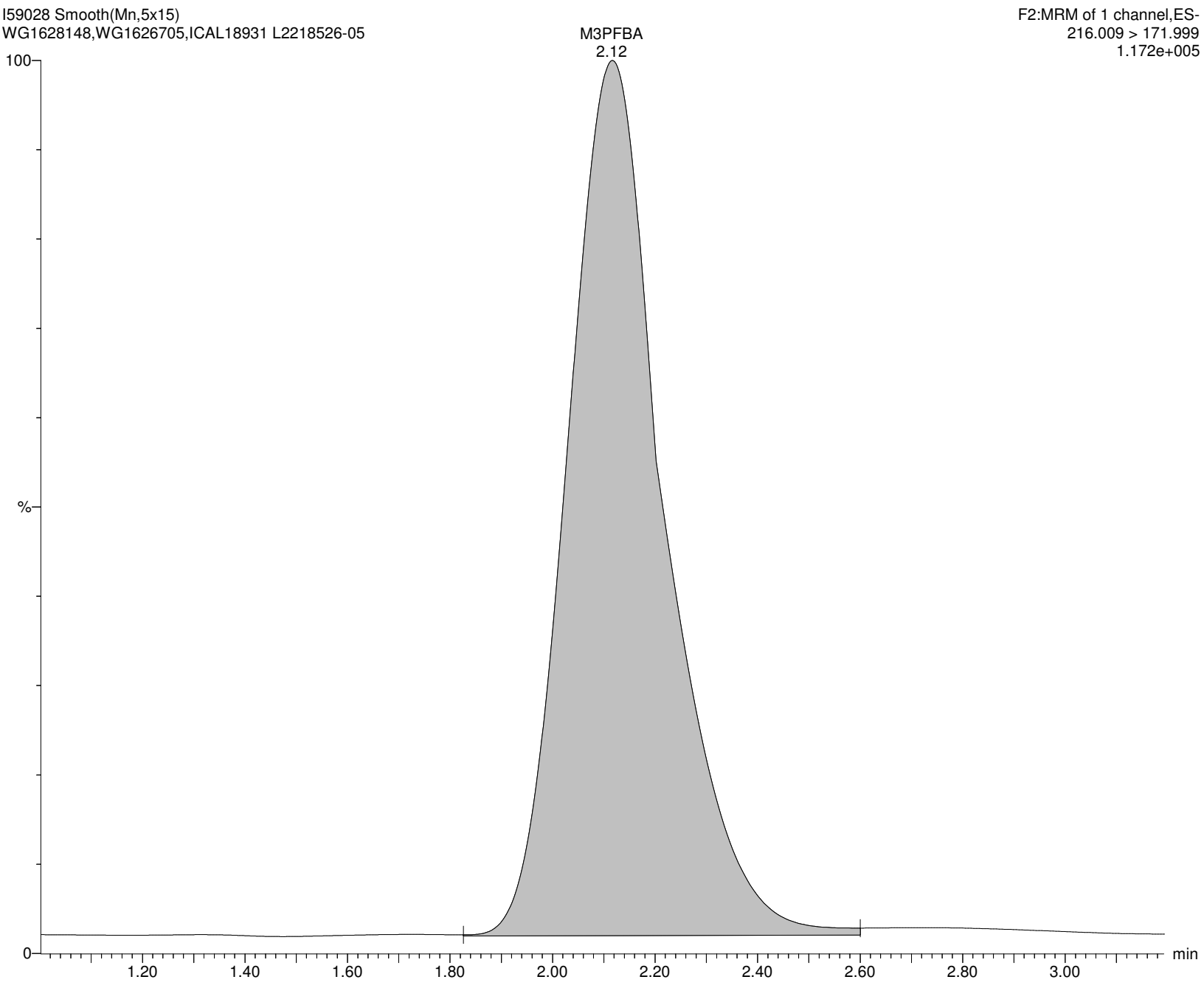


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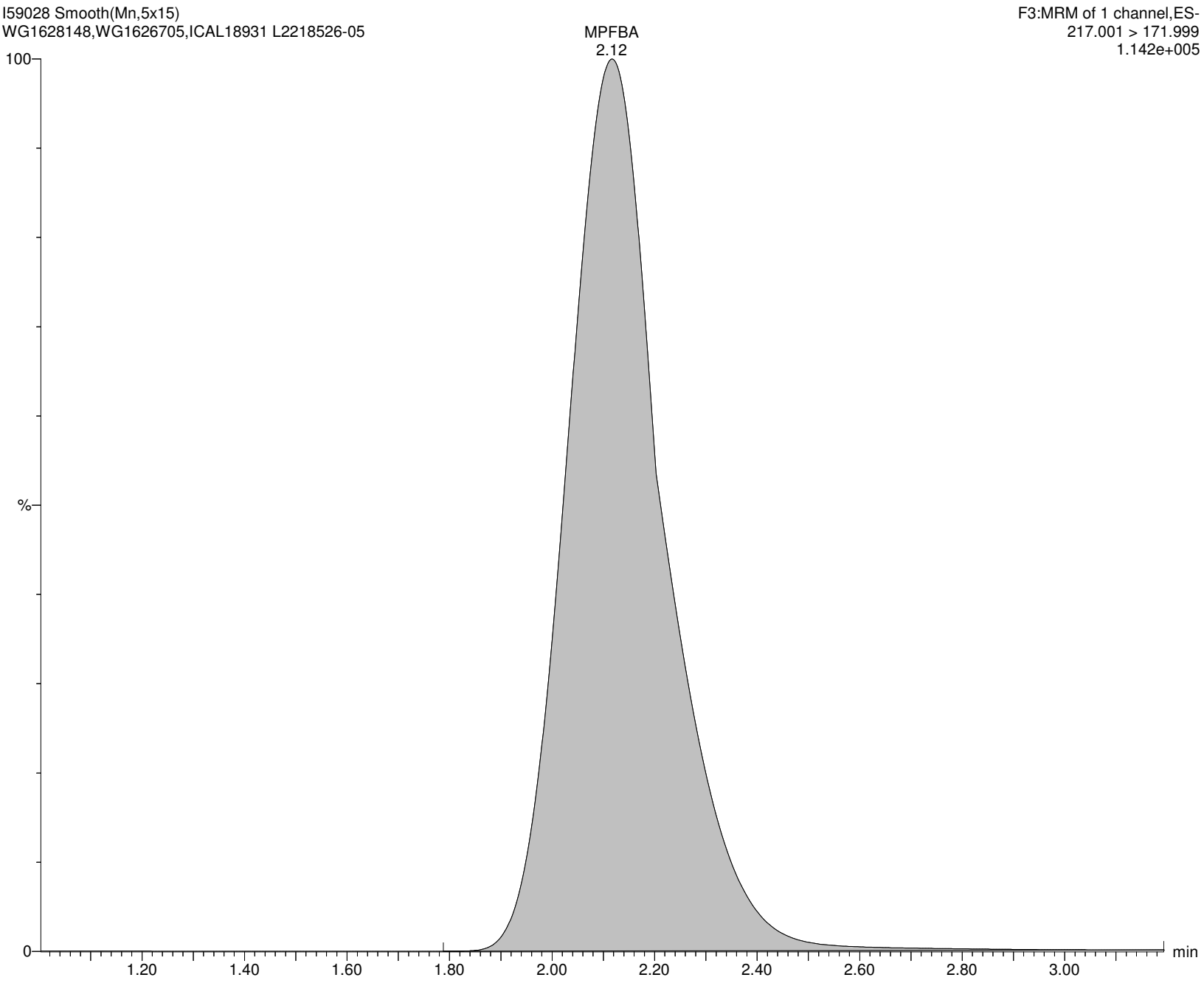


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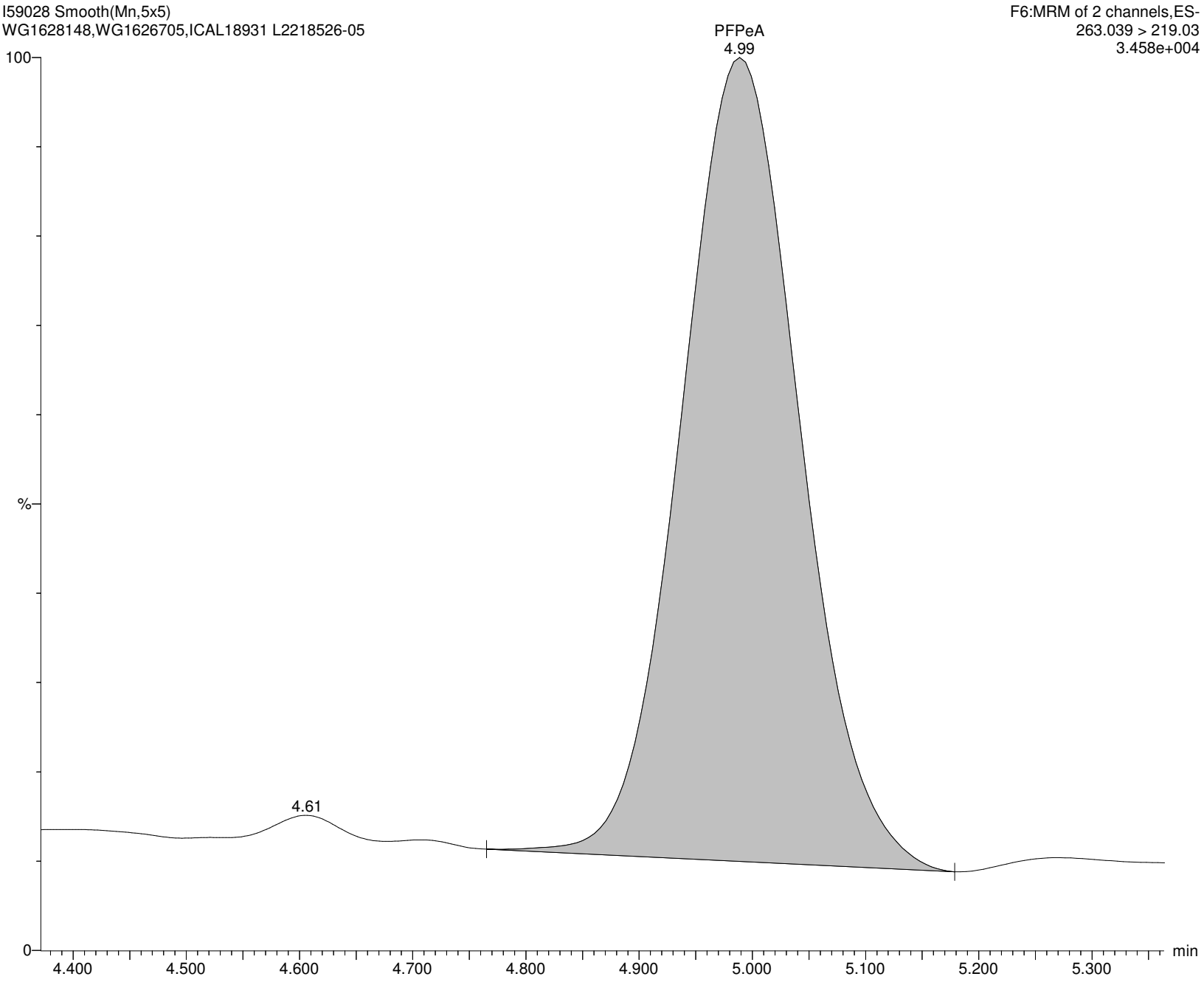


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PFPeA

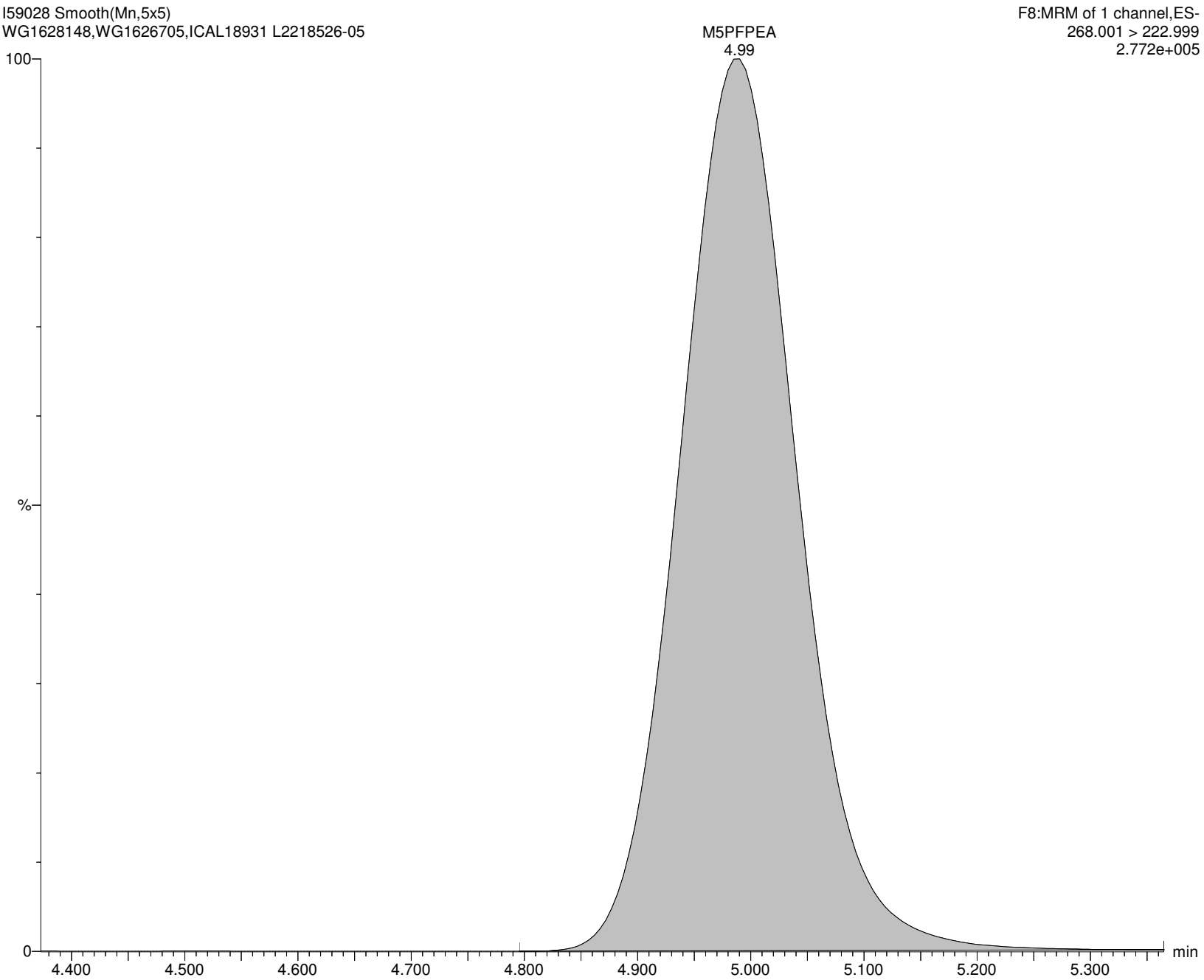


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M5PFPEA

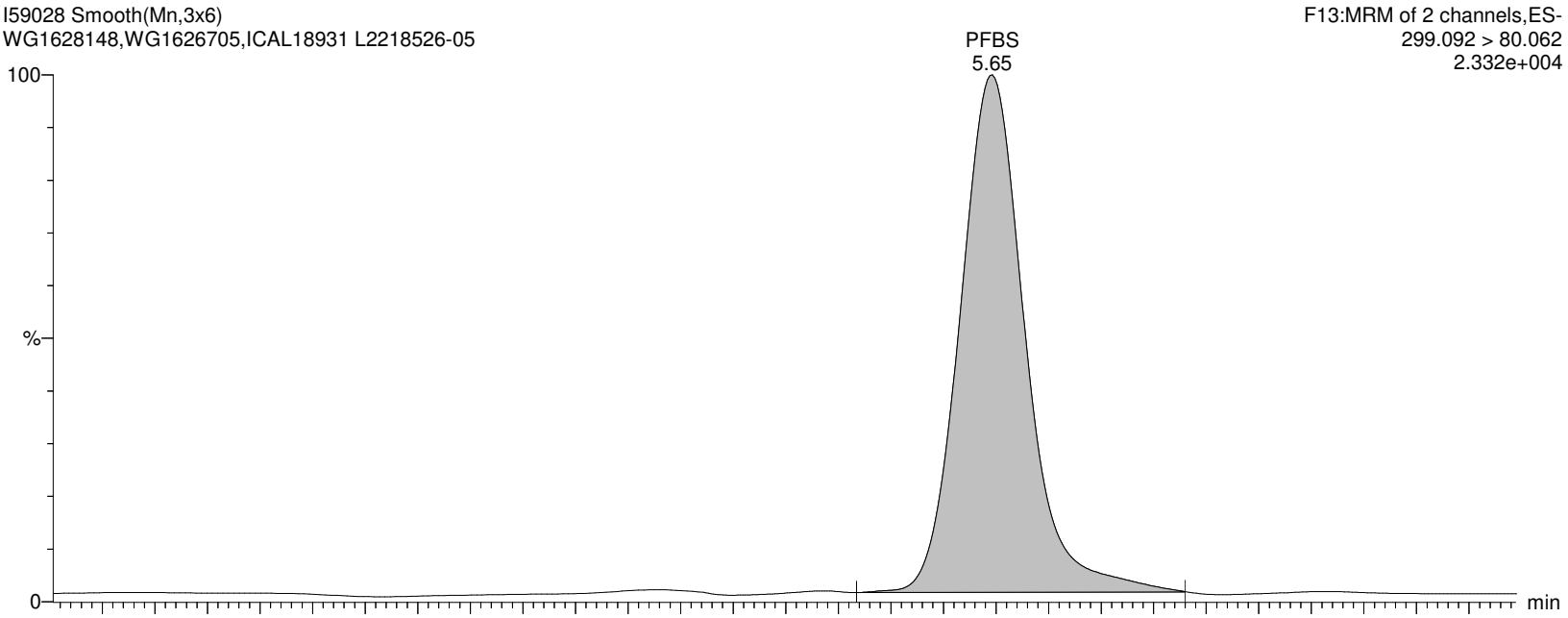


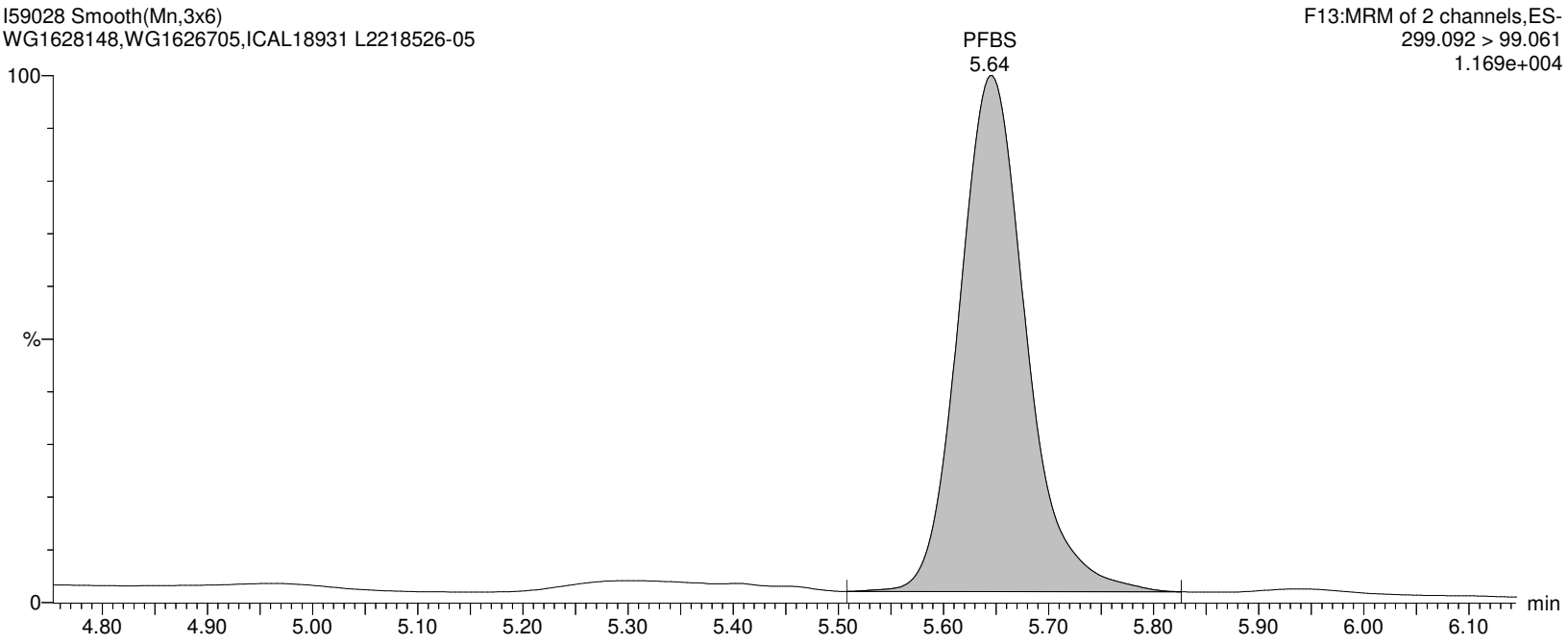
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PFBS



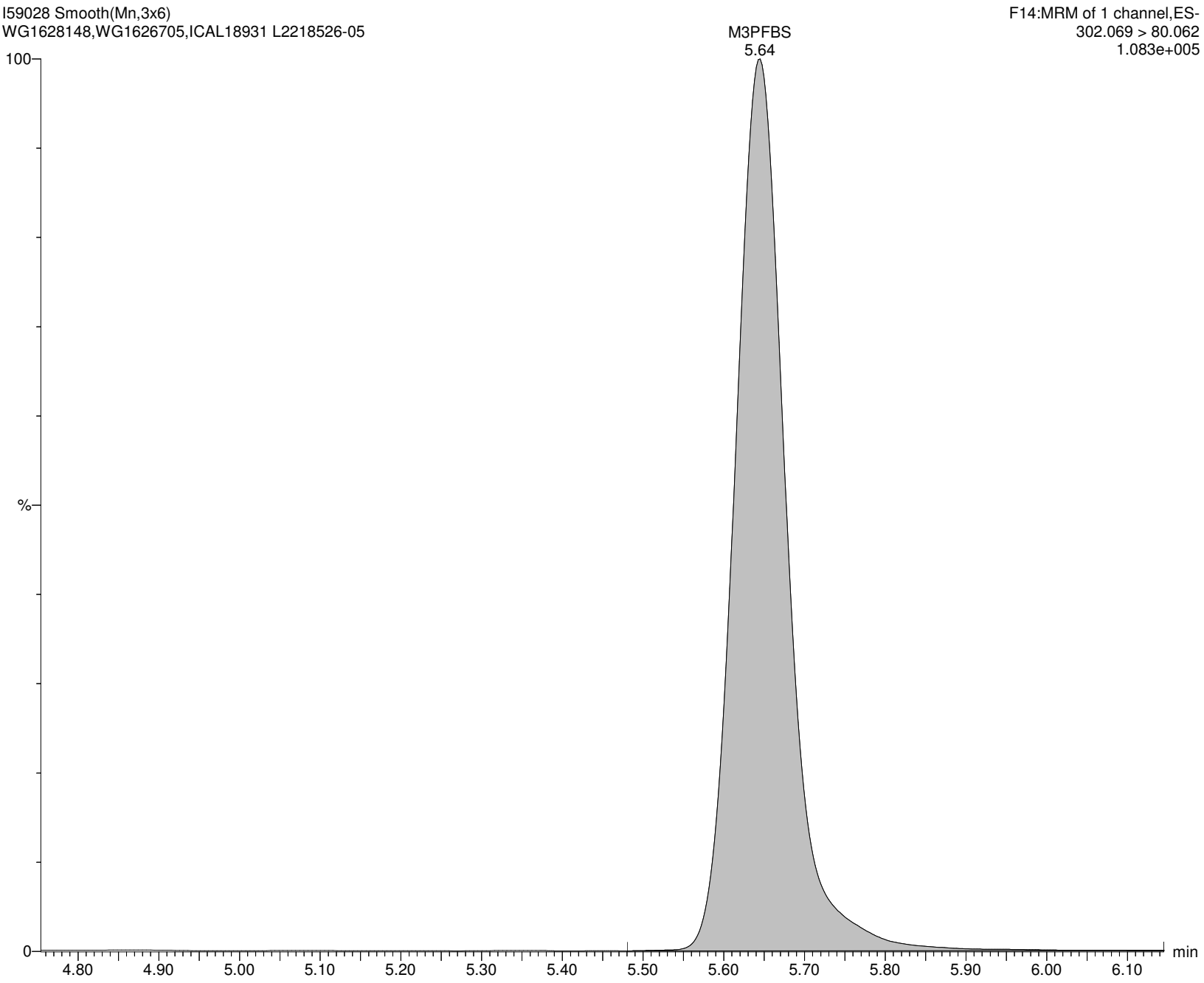


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M3PFBS

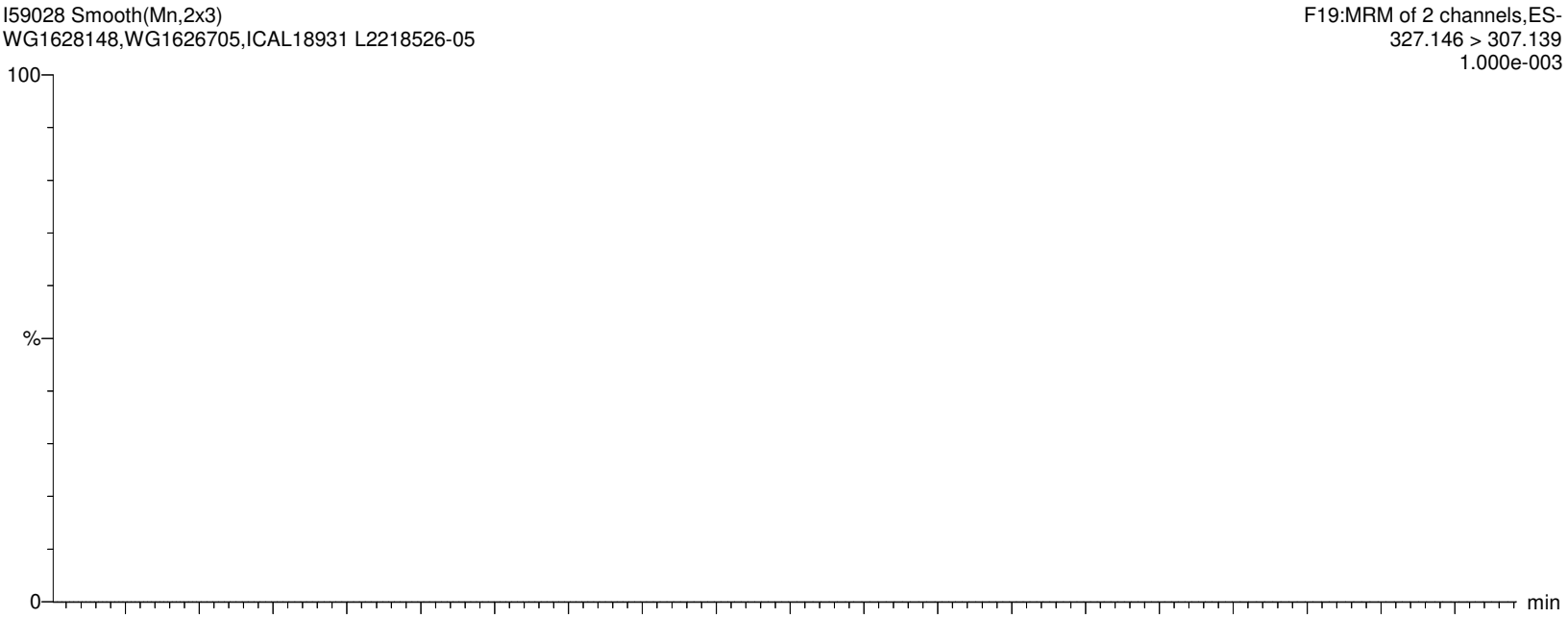


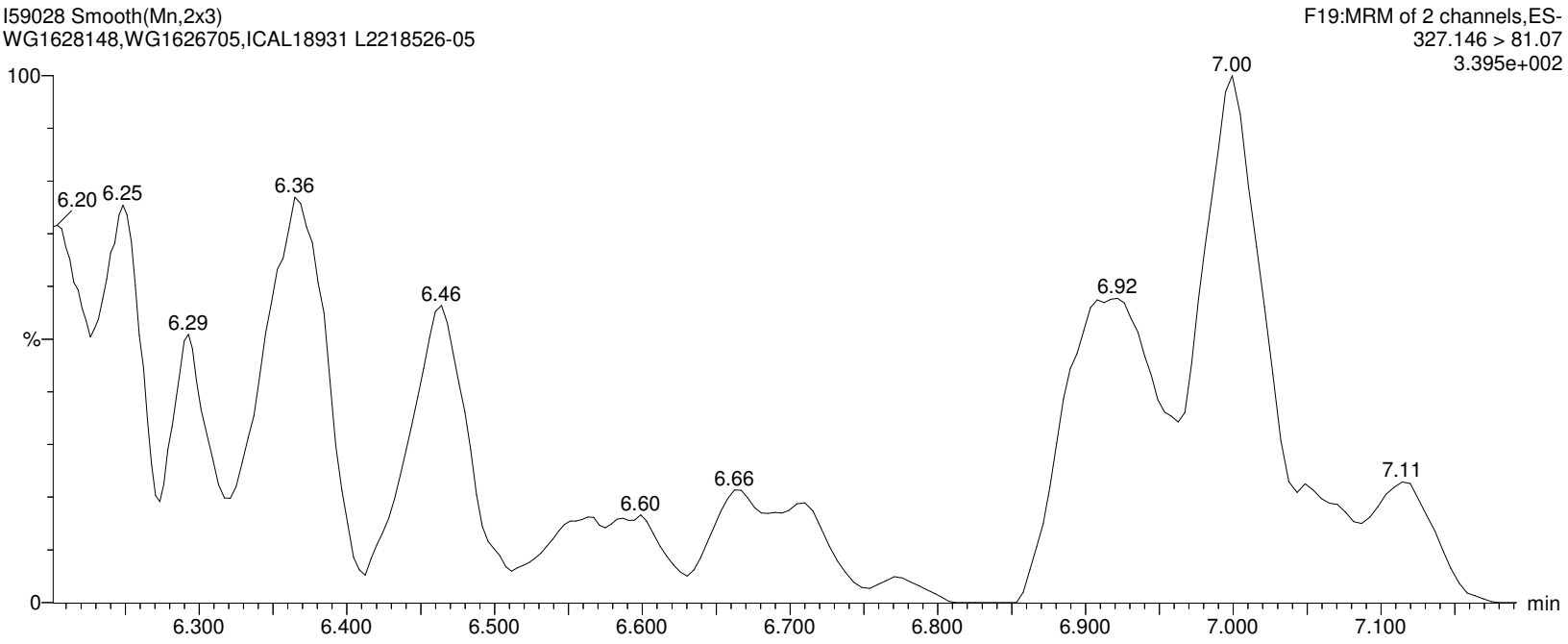
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4:2FTS



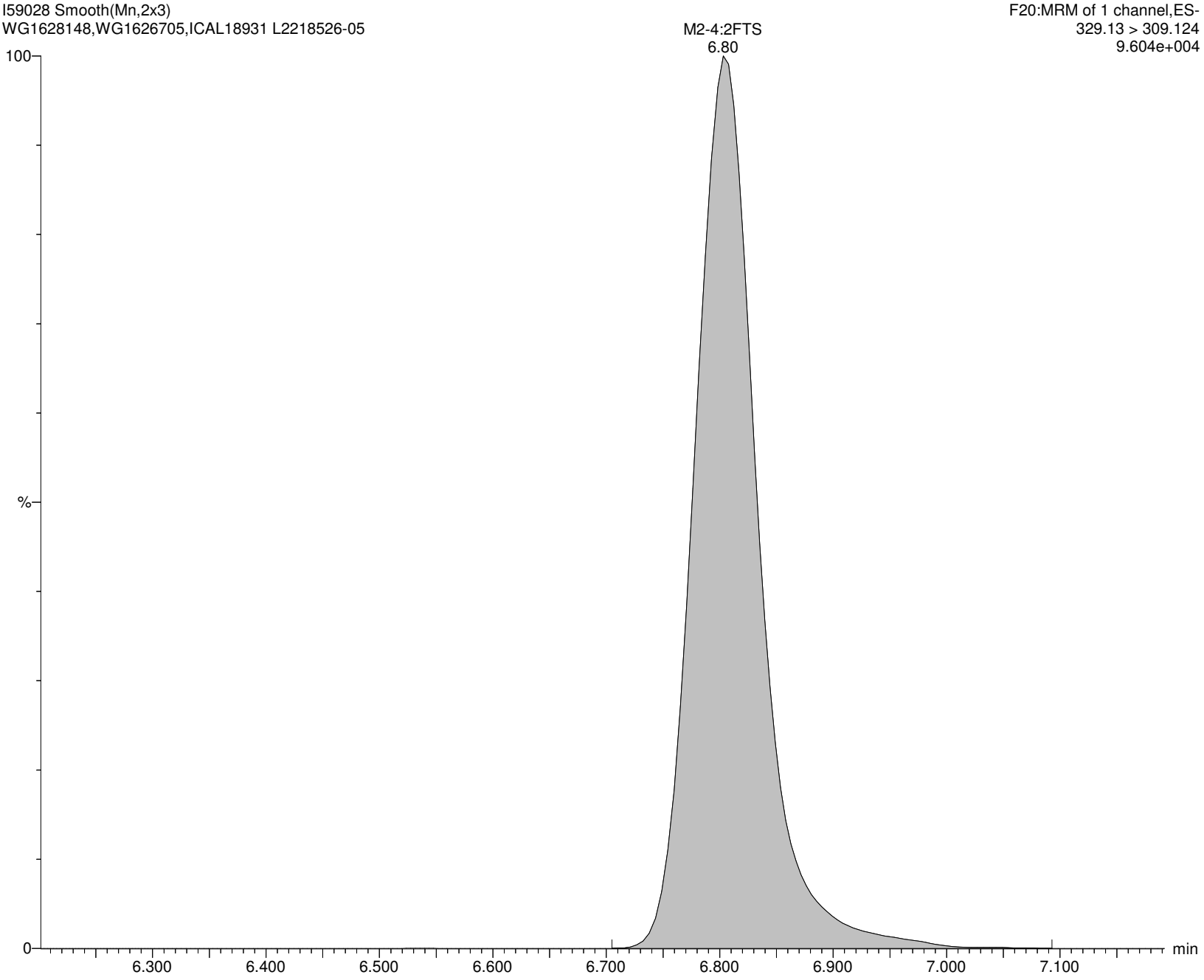


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M2-4:2FTS

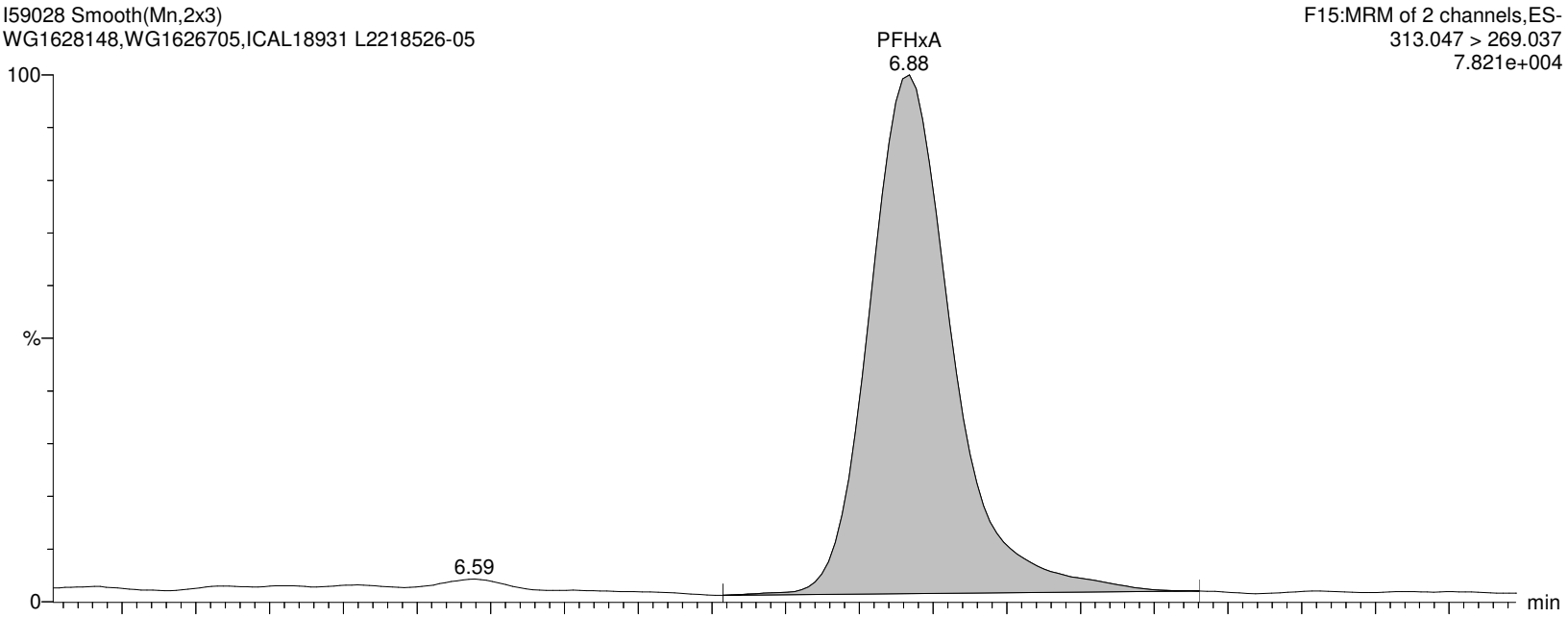


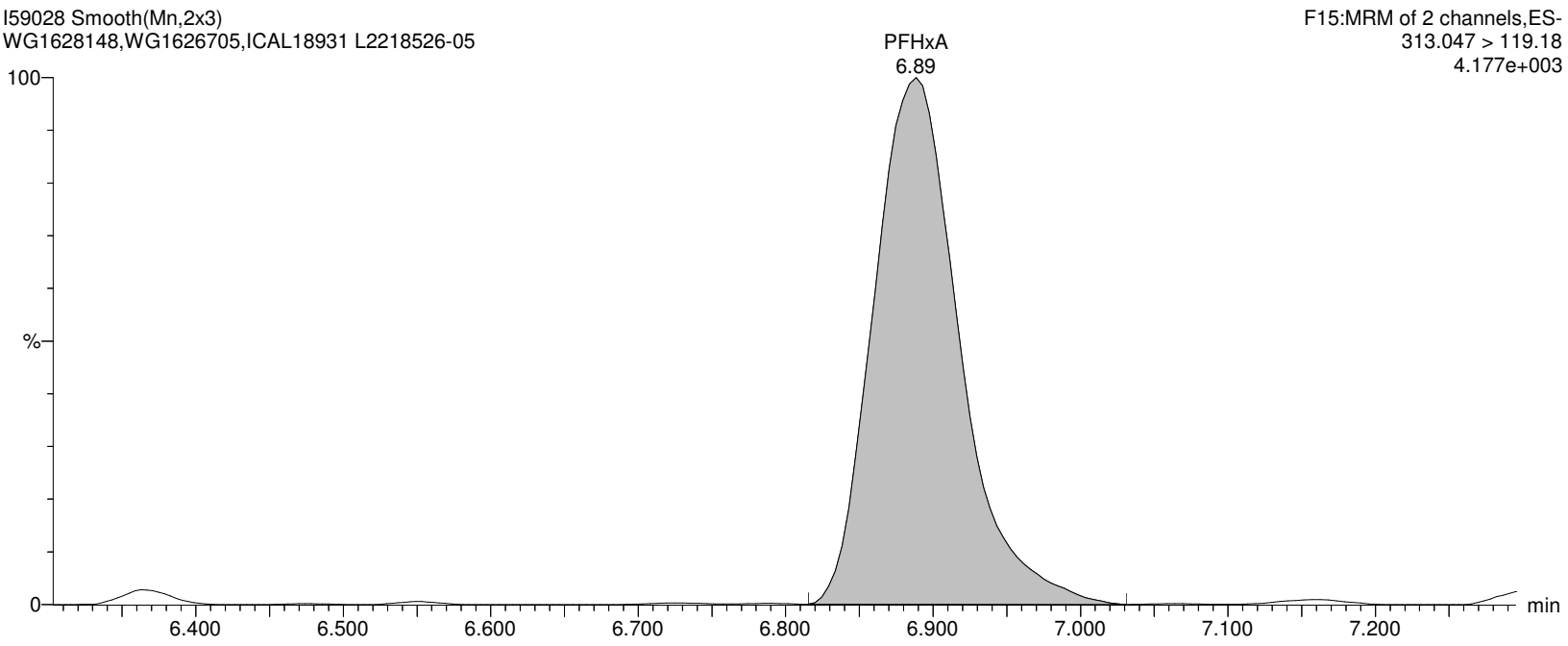
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PFHxA



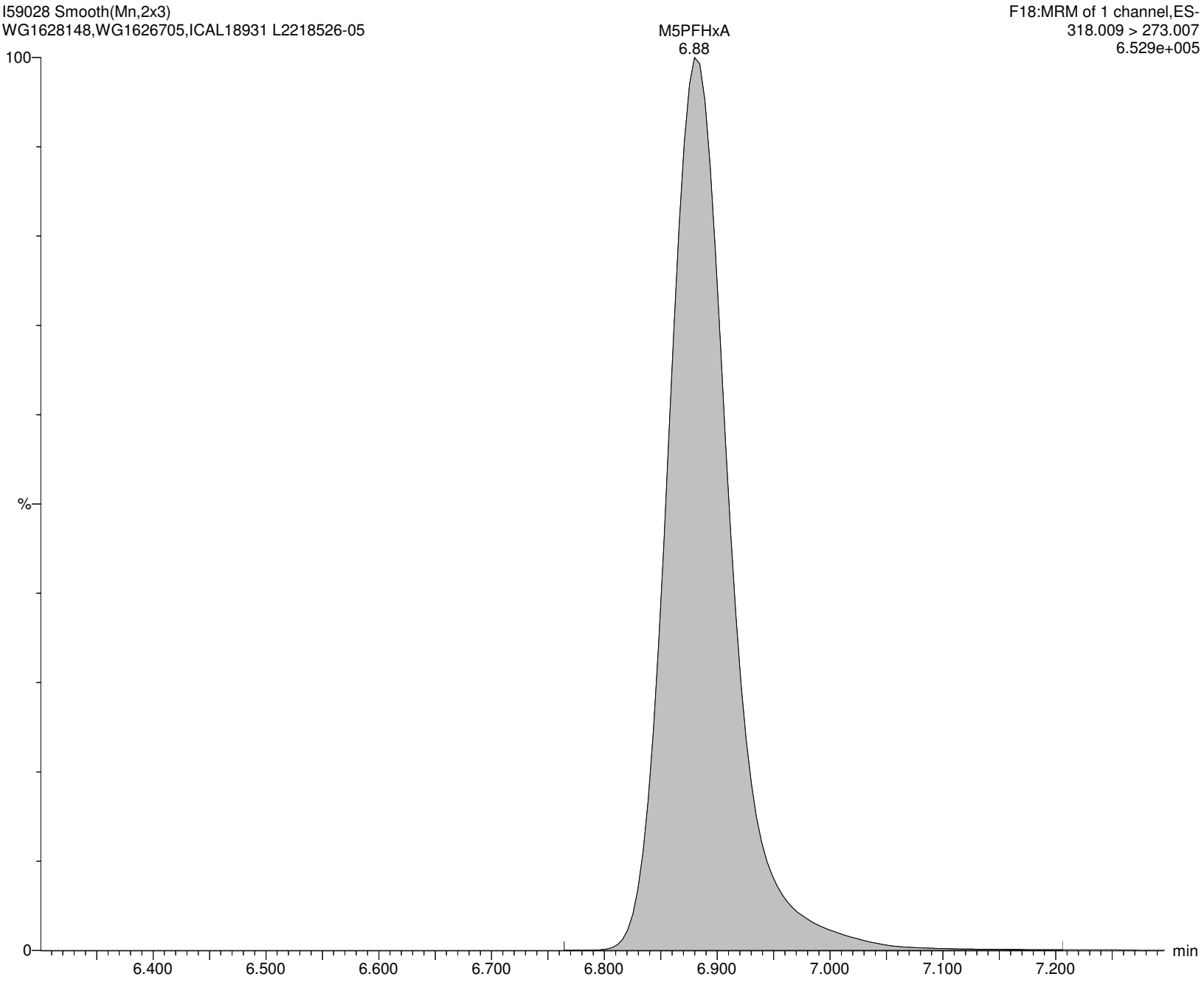


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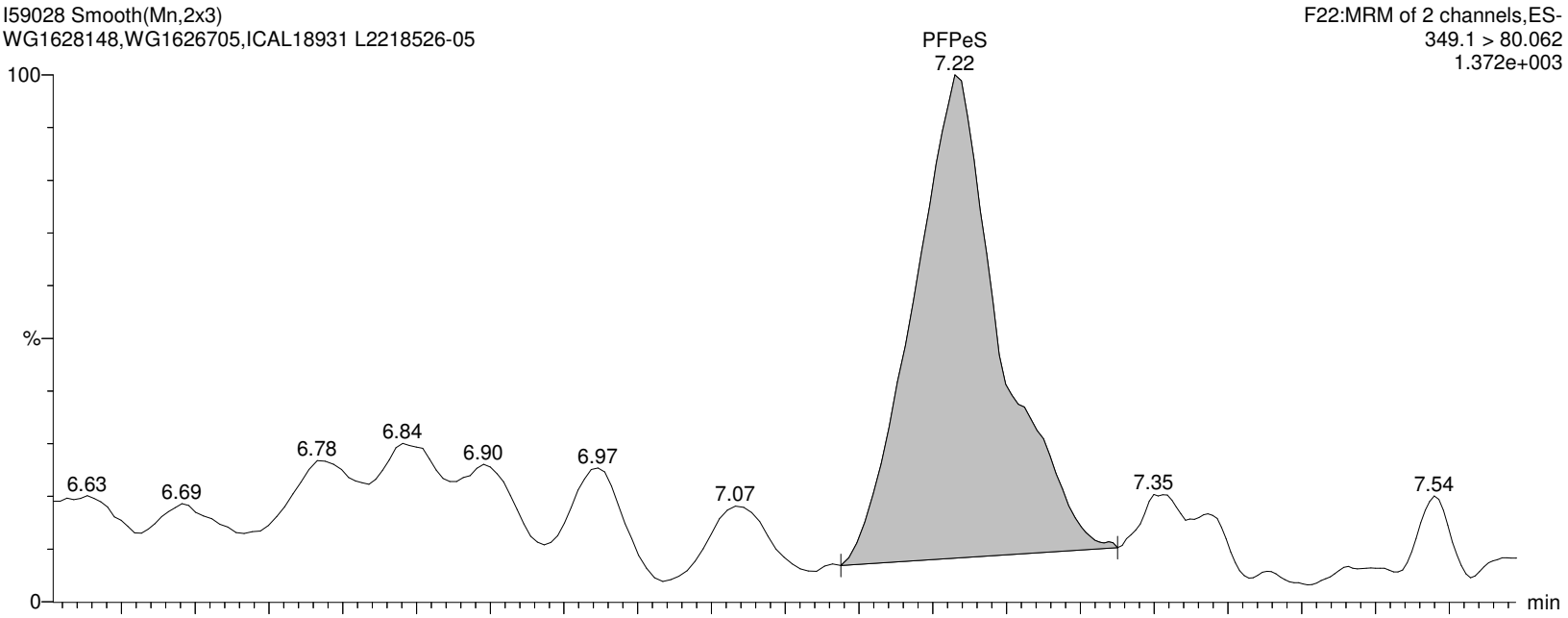


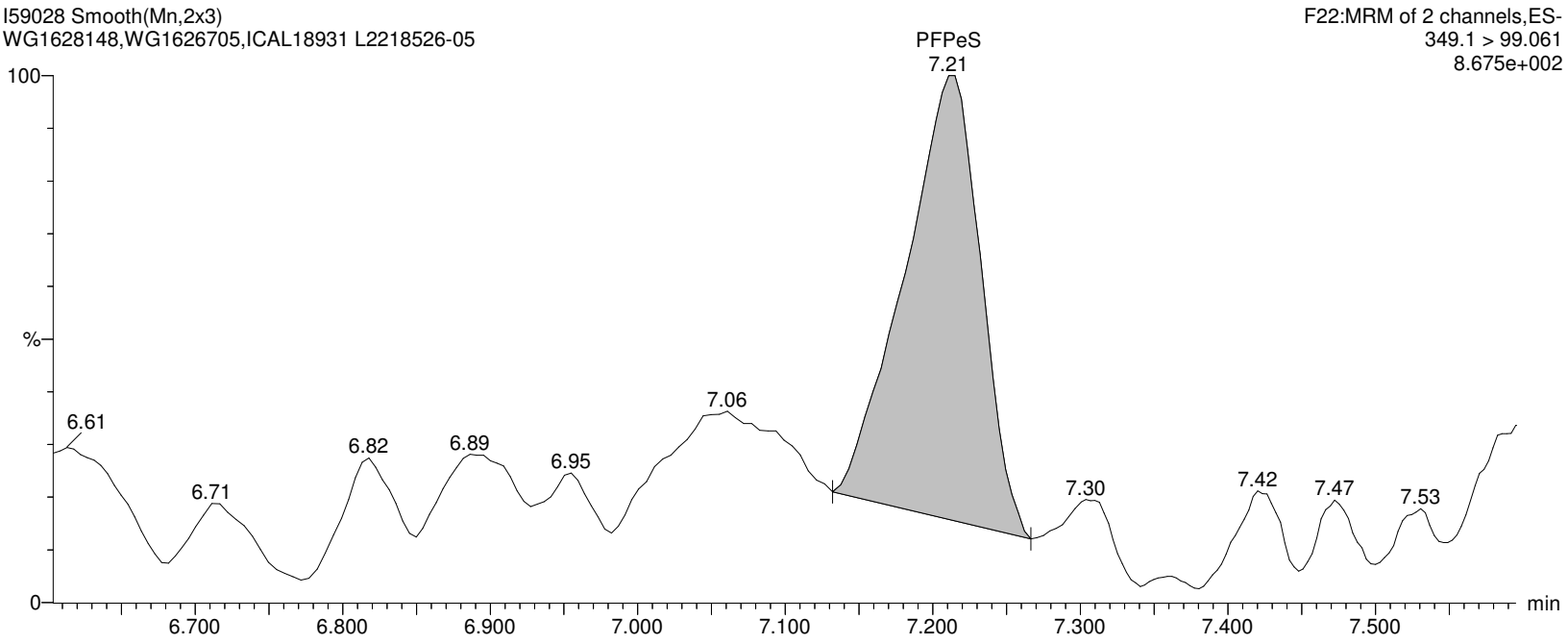
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
Time: 01:01:21
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,5
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PFPeS



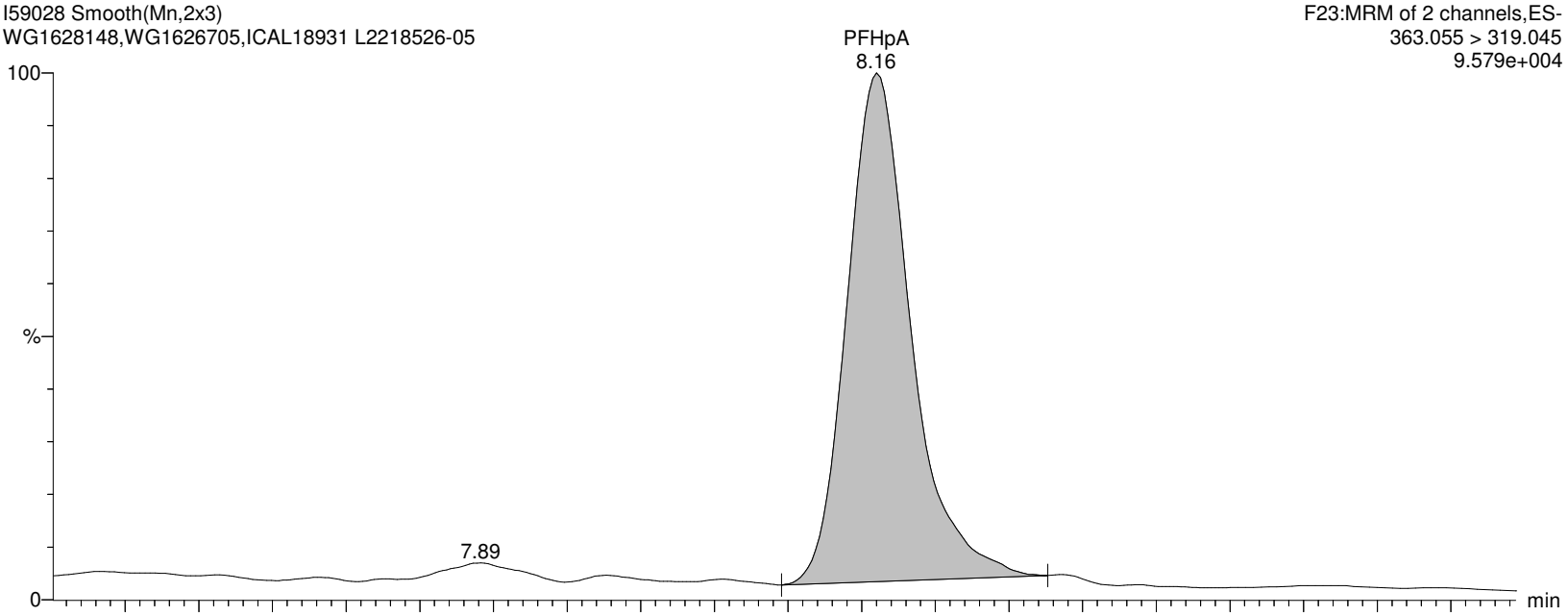


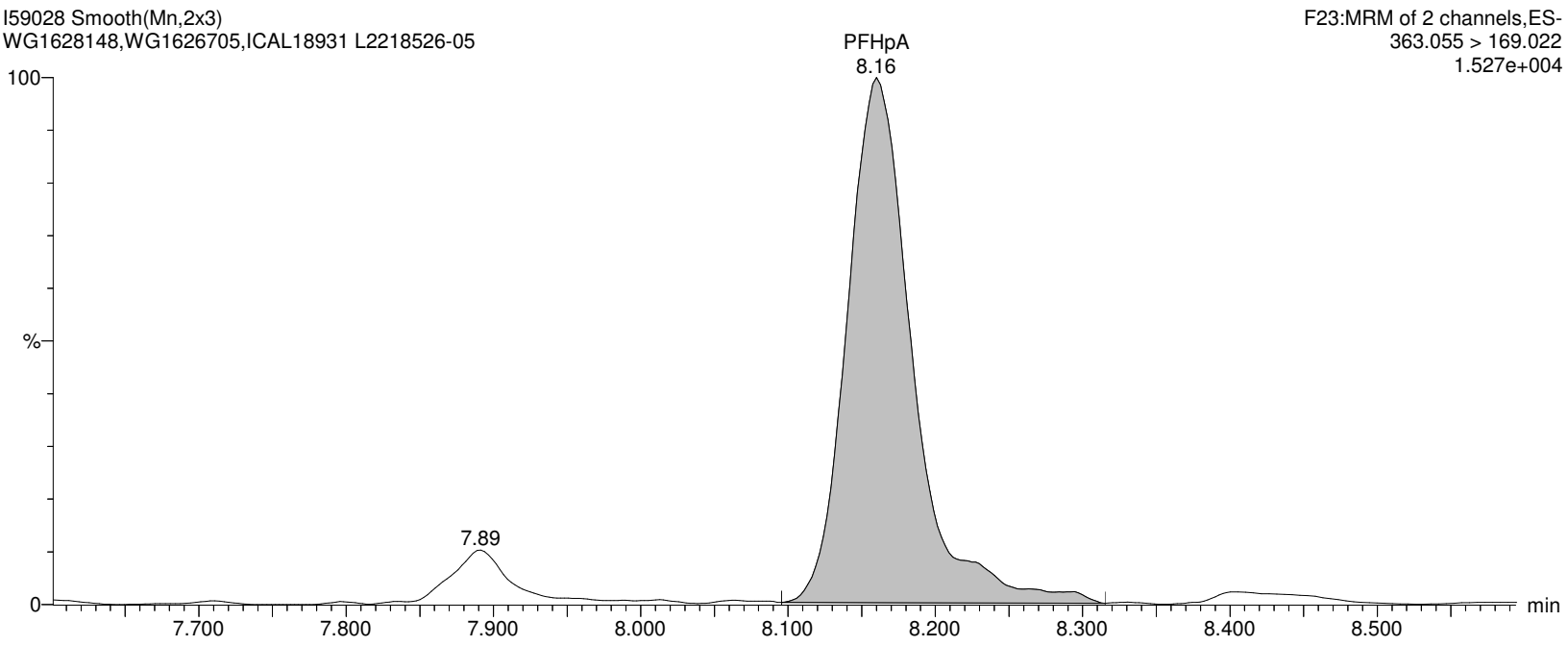
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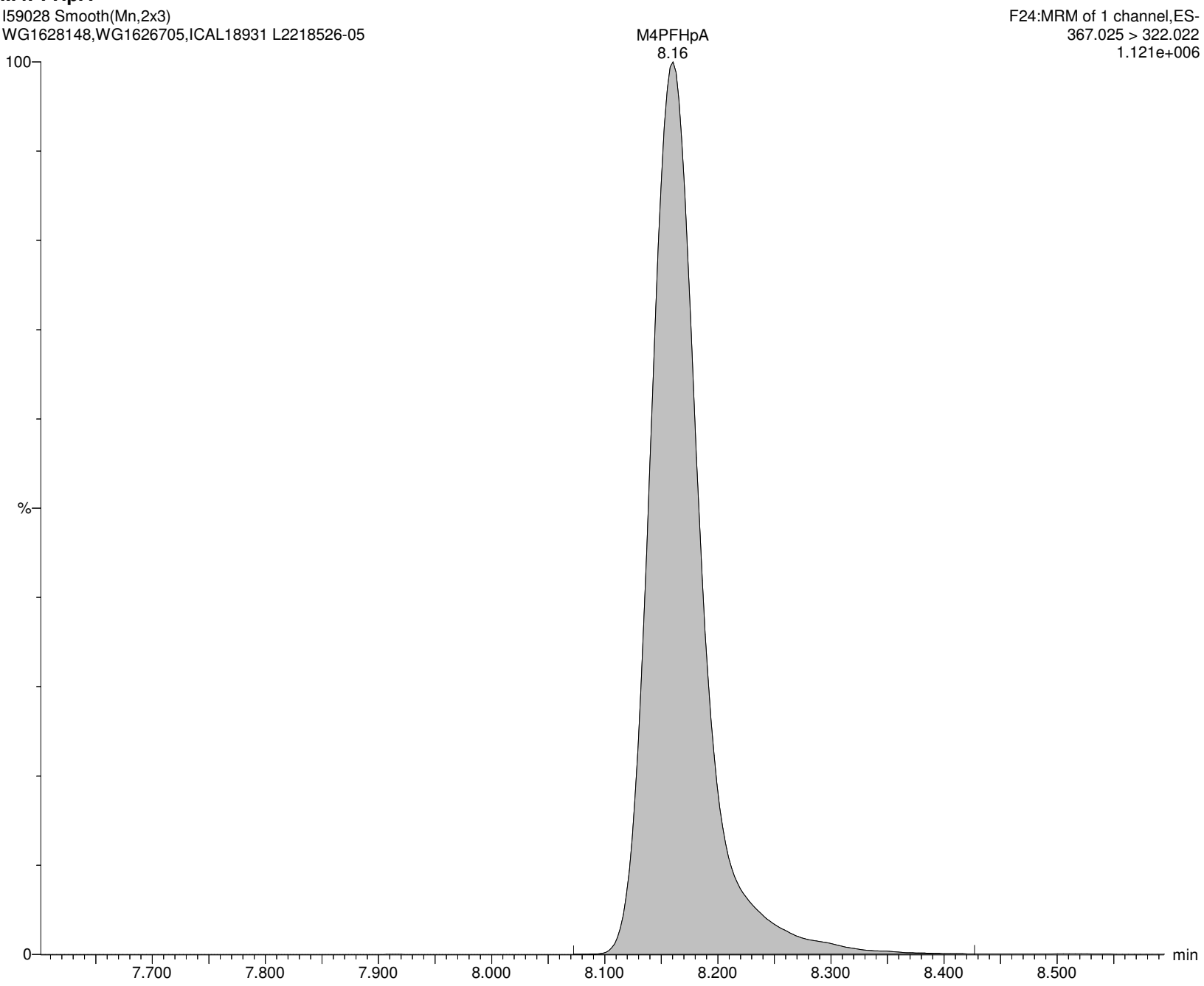


all concentration units in (ng/mL)

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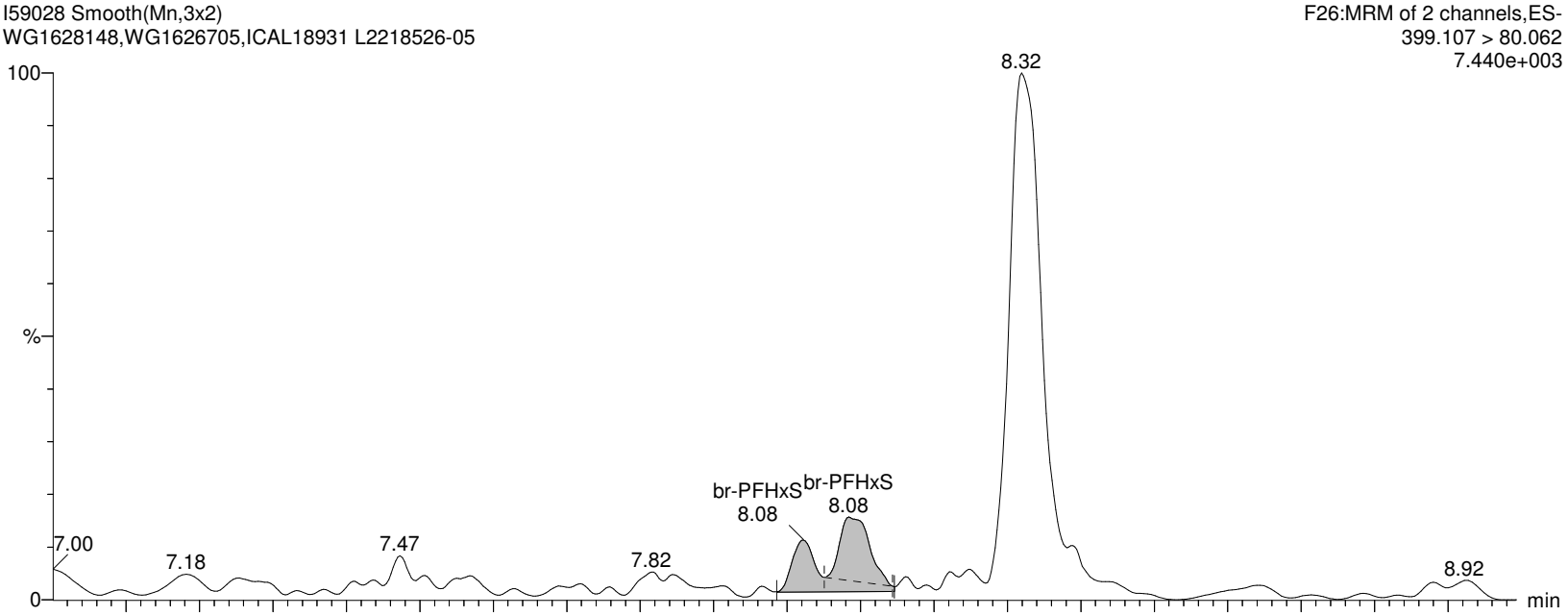


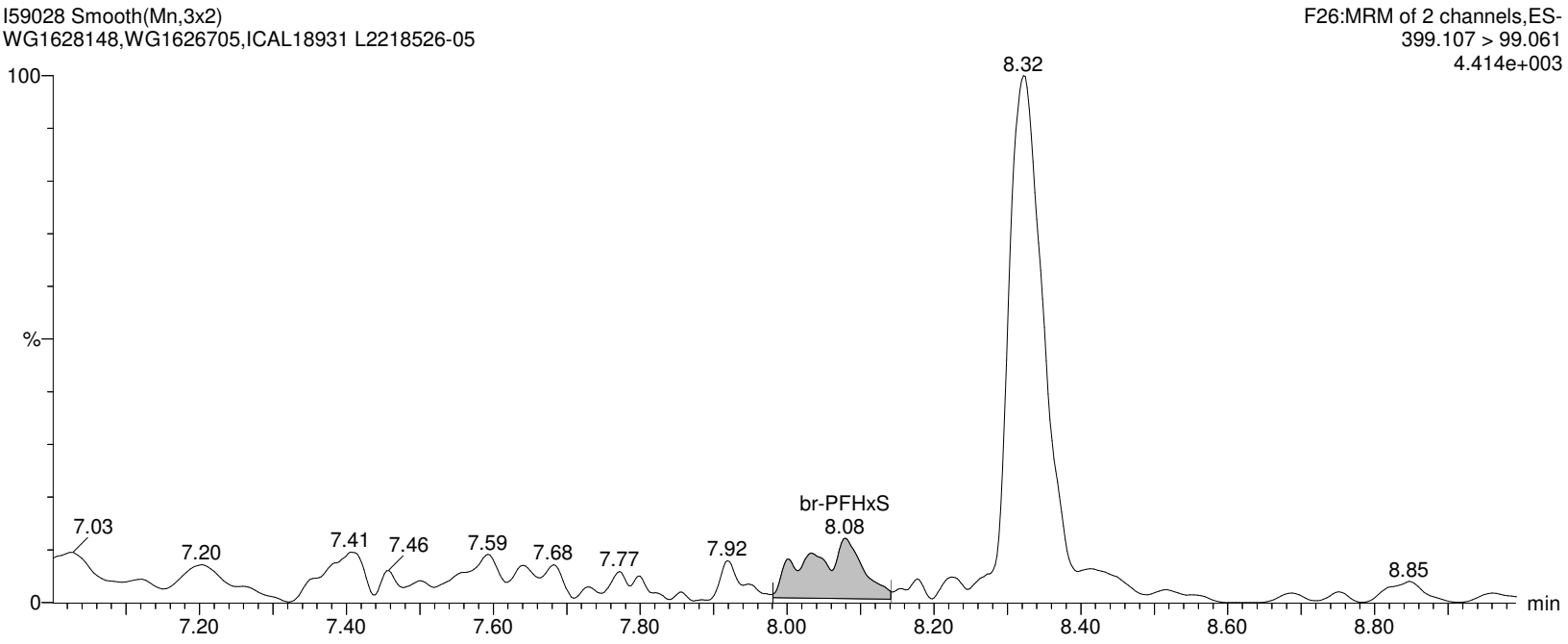
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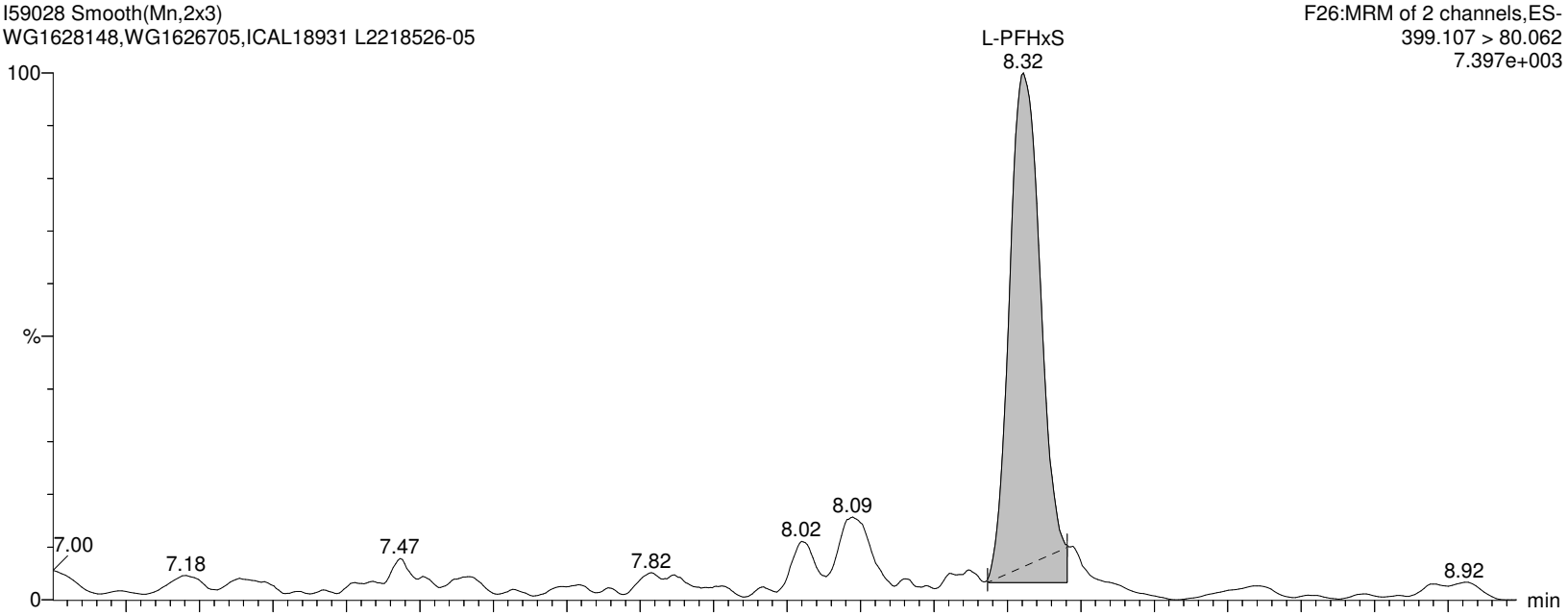


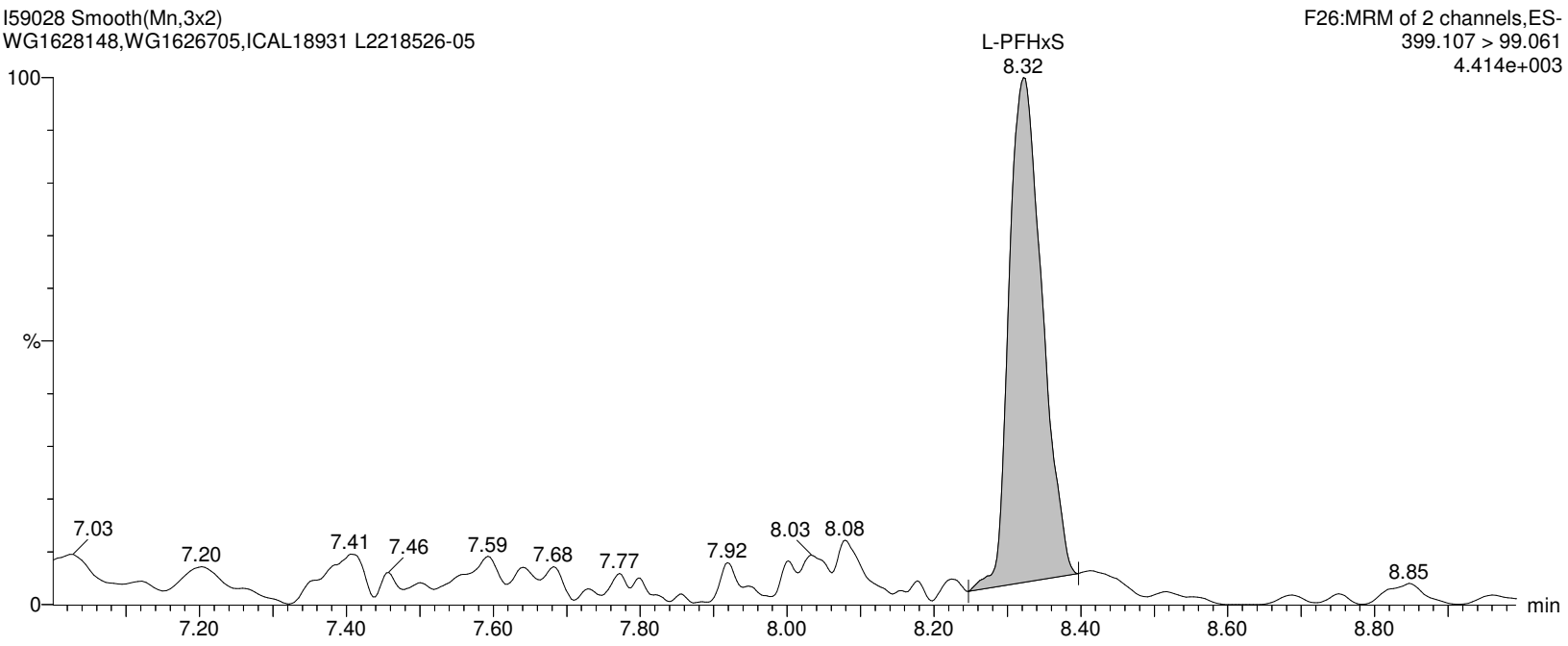
all concentration units in (ng/mL)

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L-PFHxS



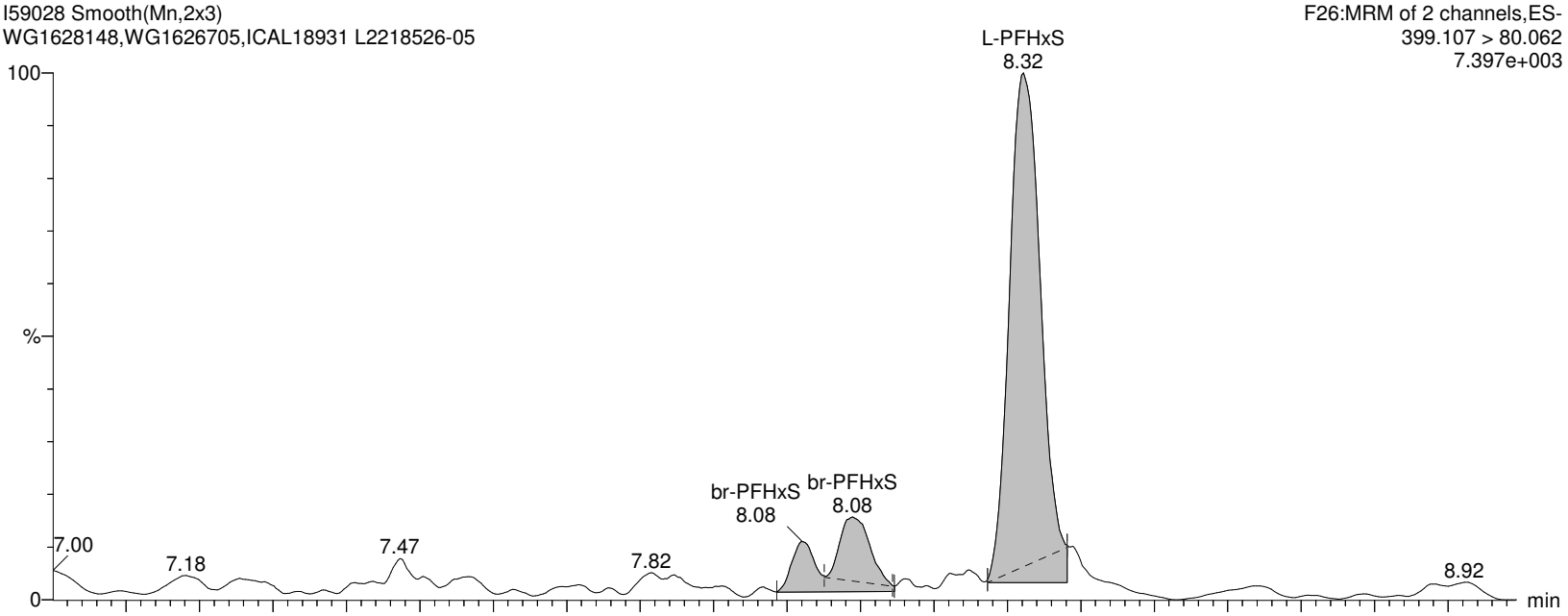


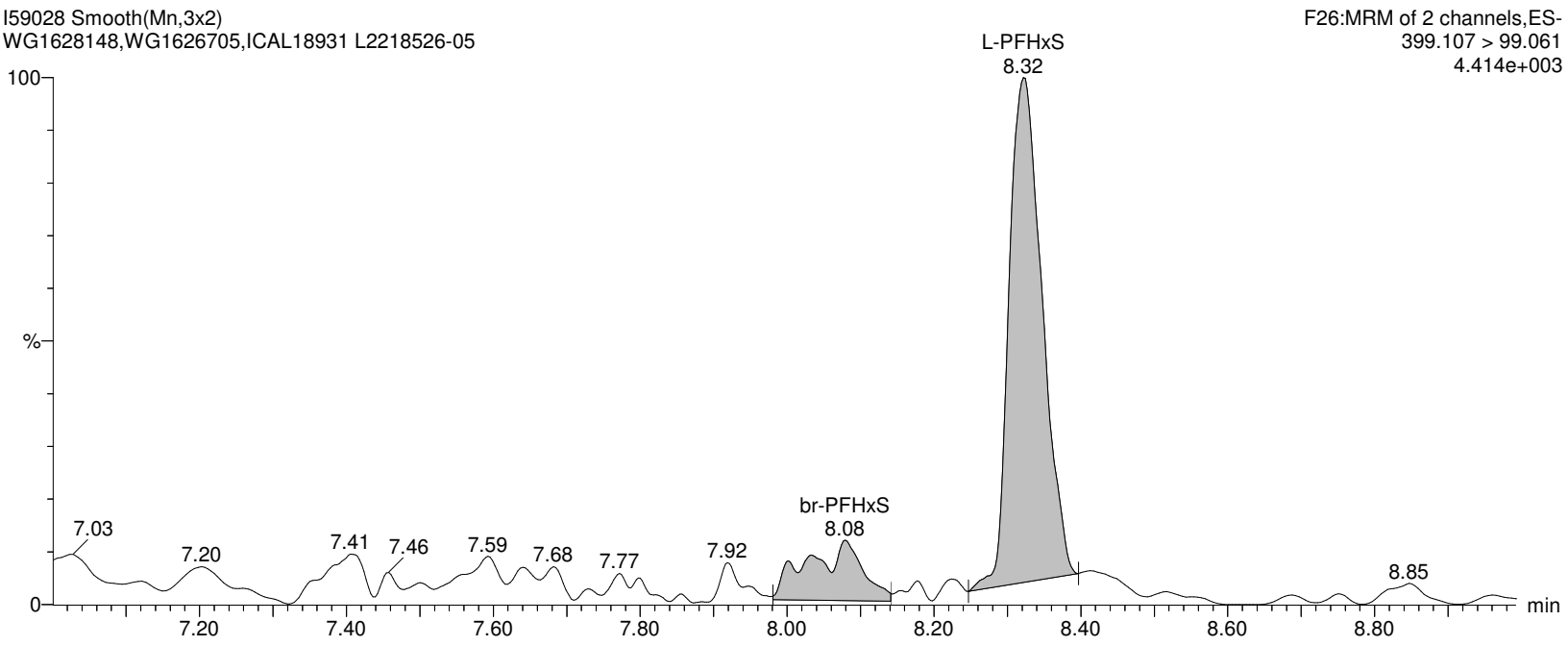
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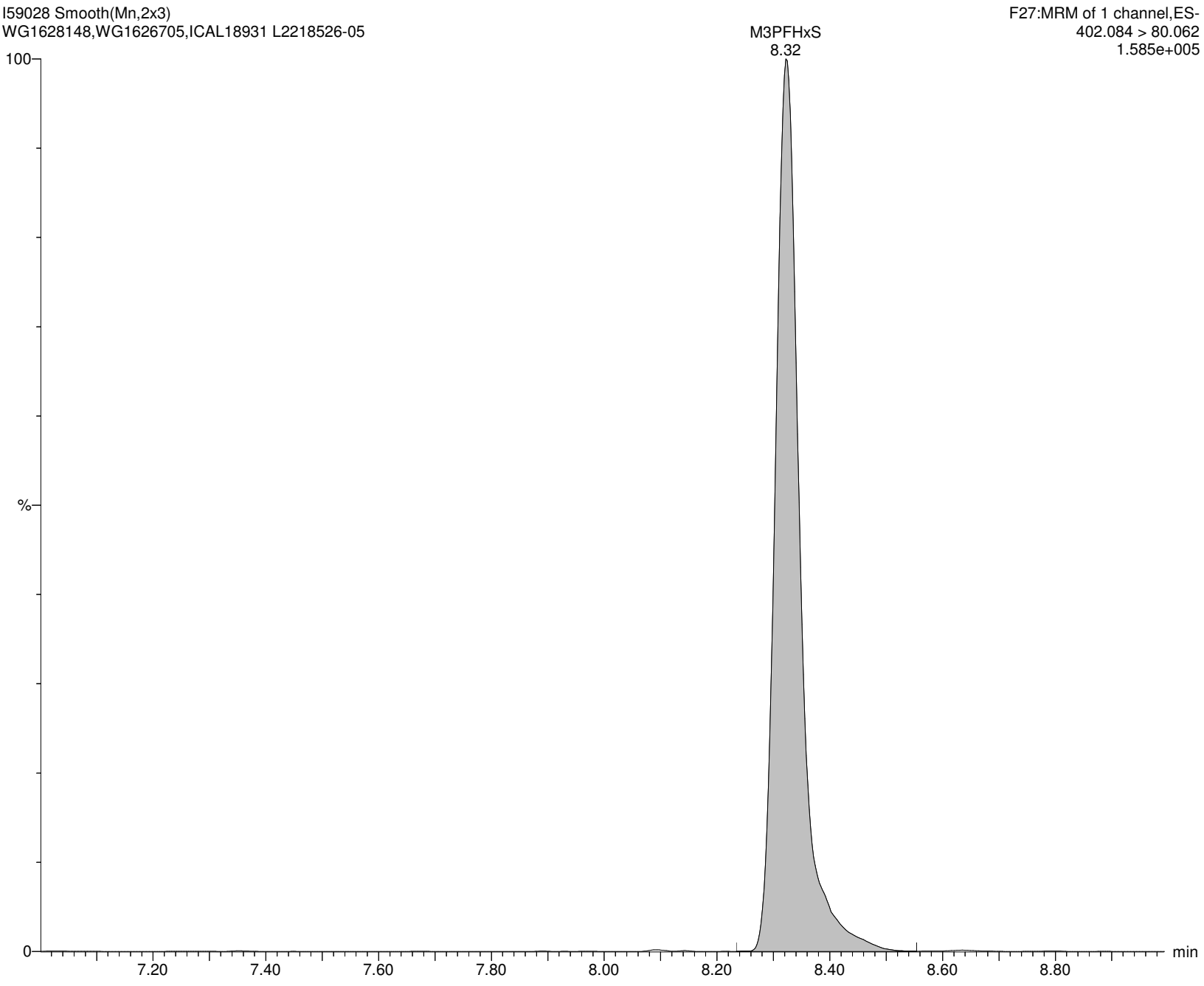


all concentration units in (ng/mL)

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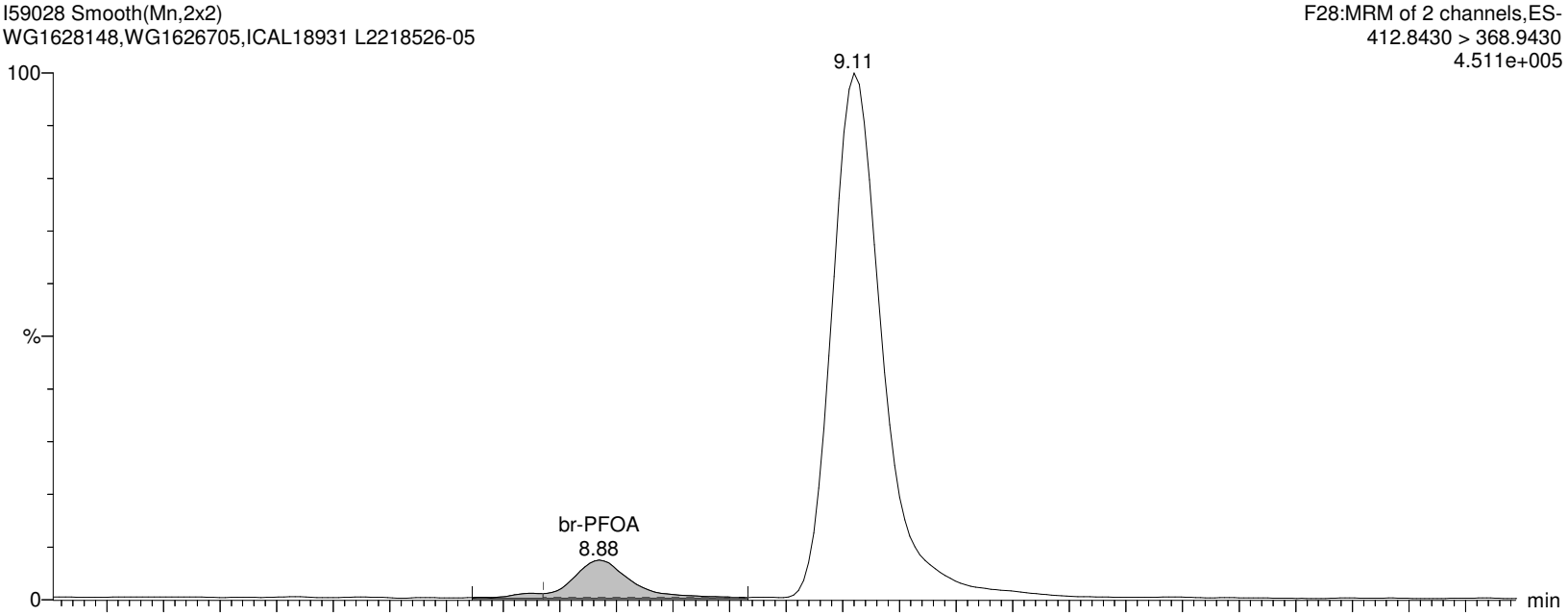


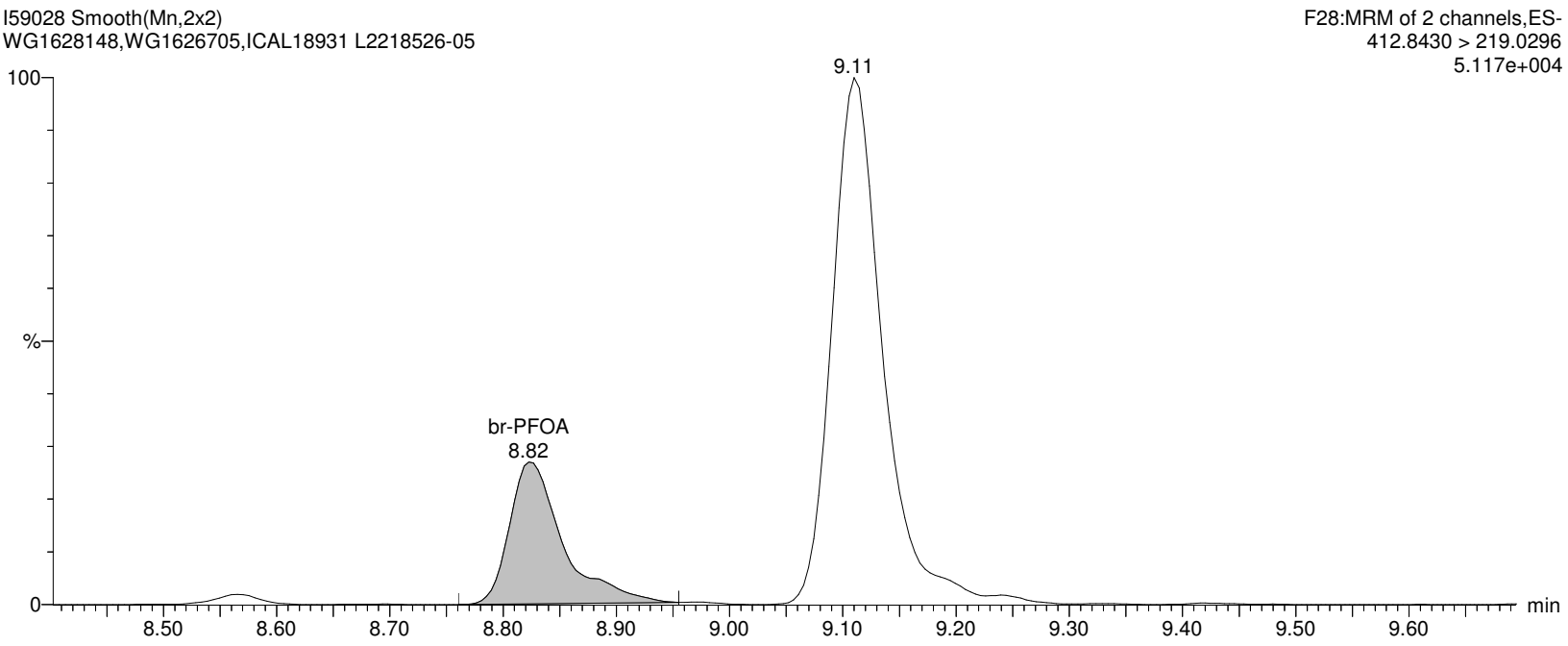
all concentration units in (ng/mL)

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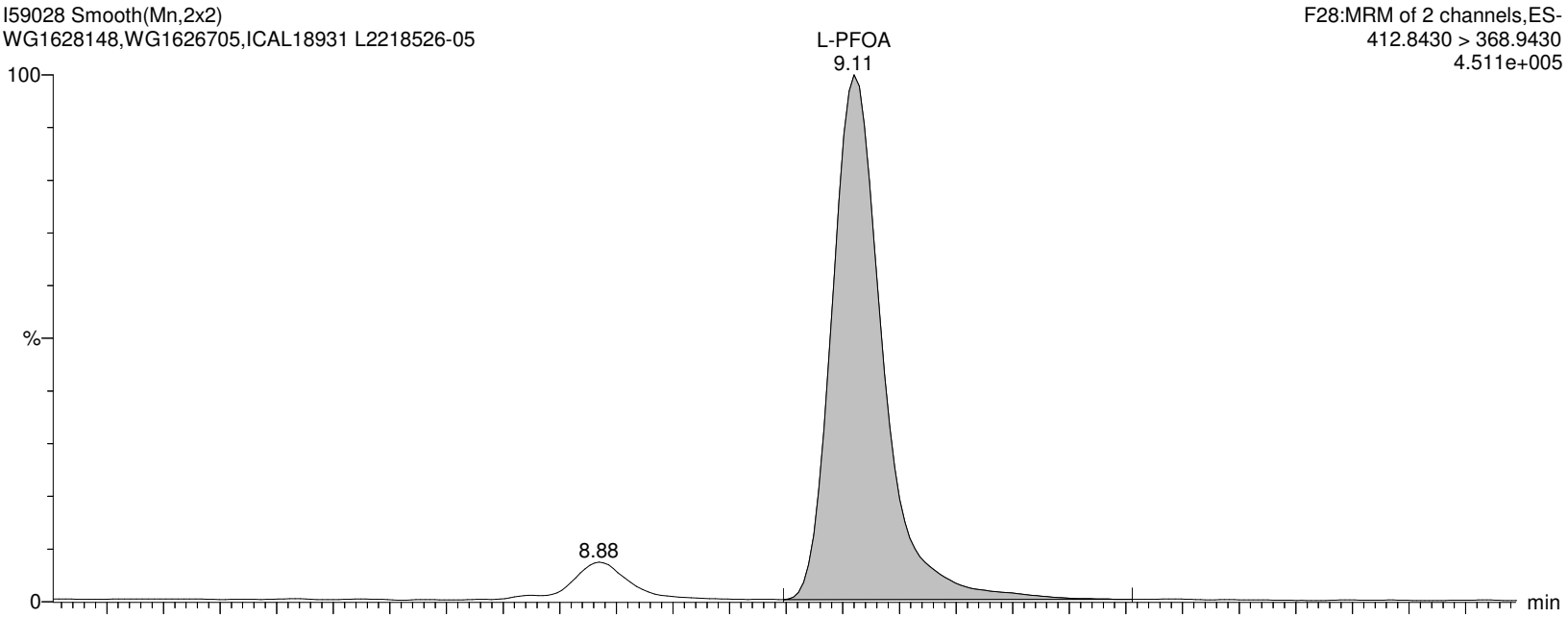


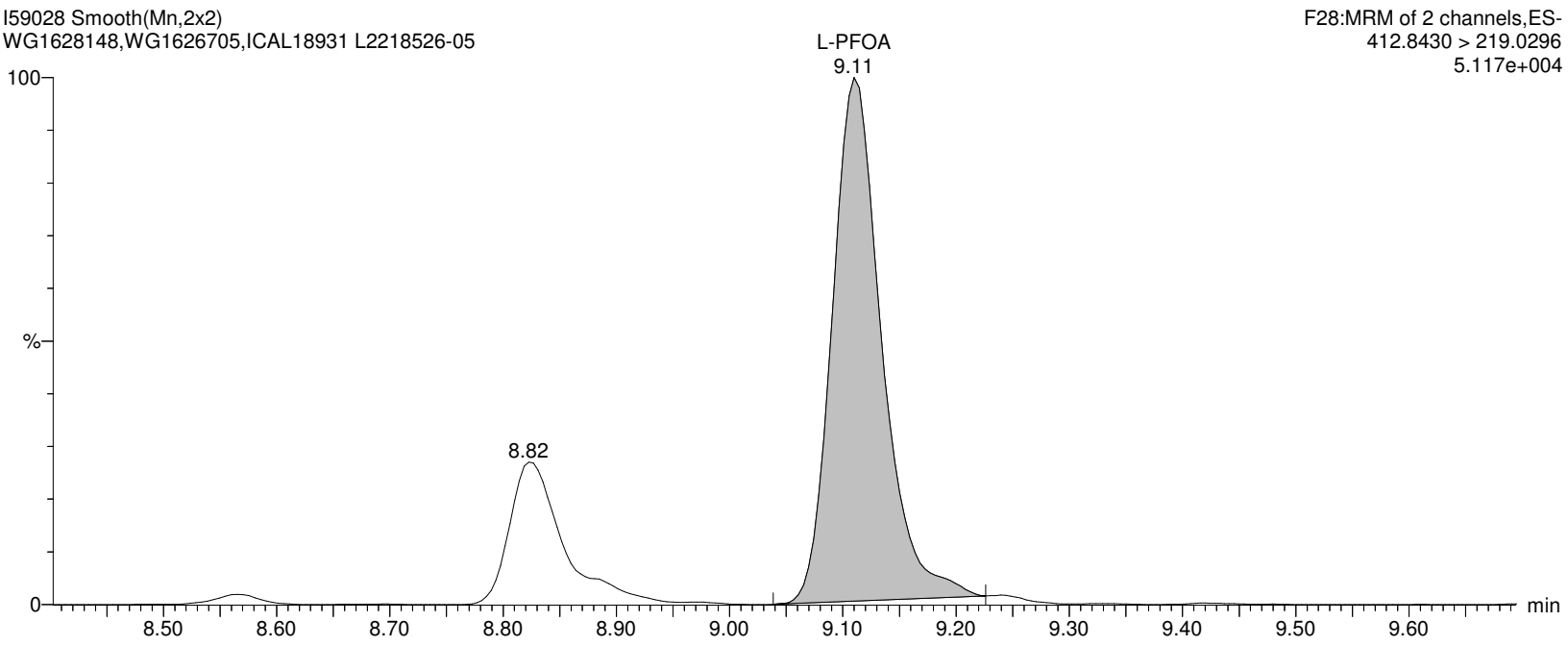
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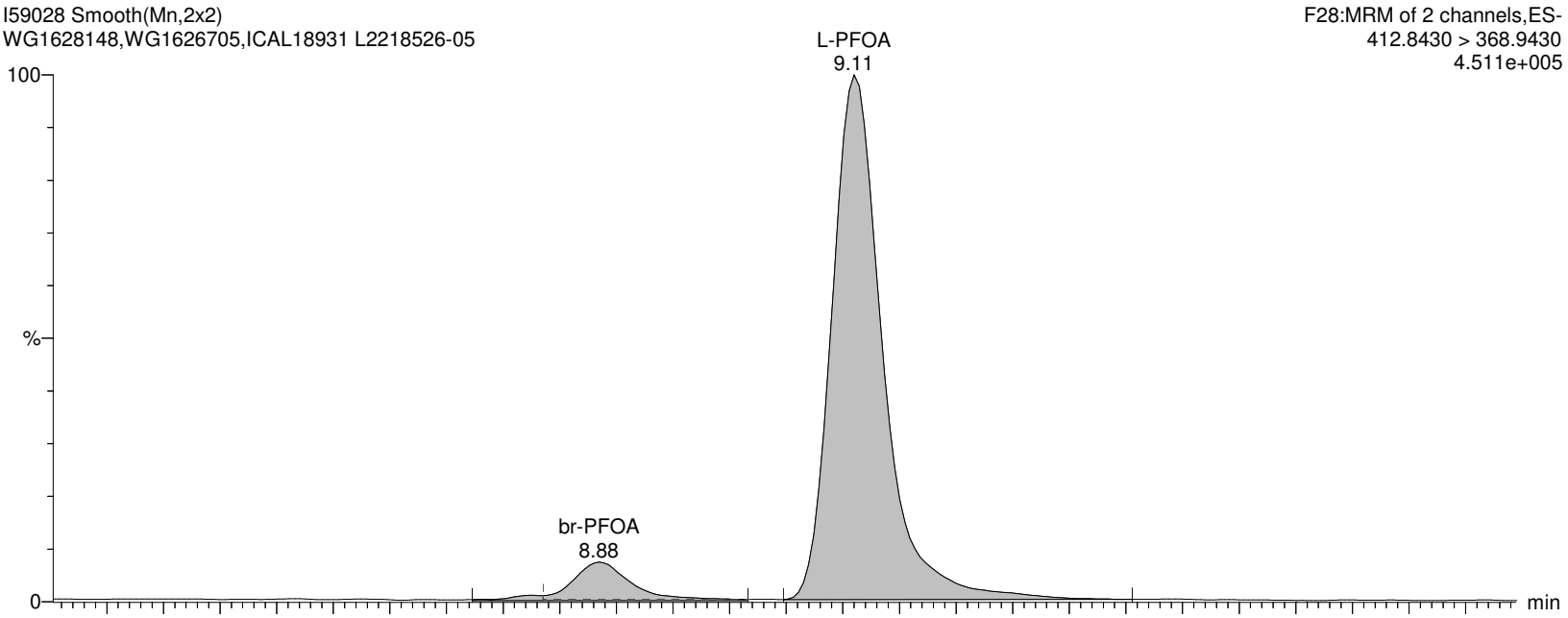


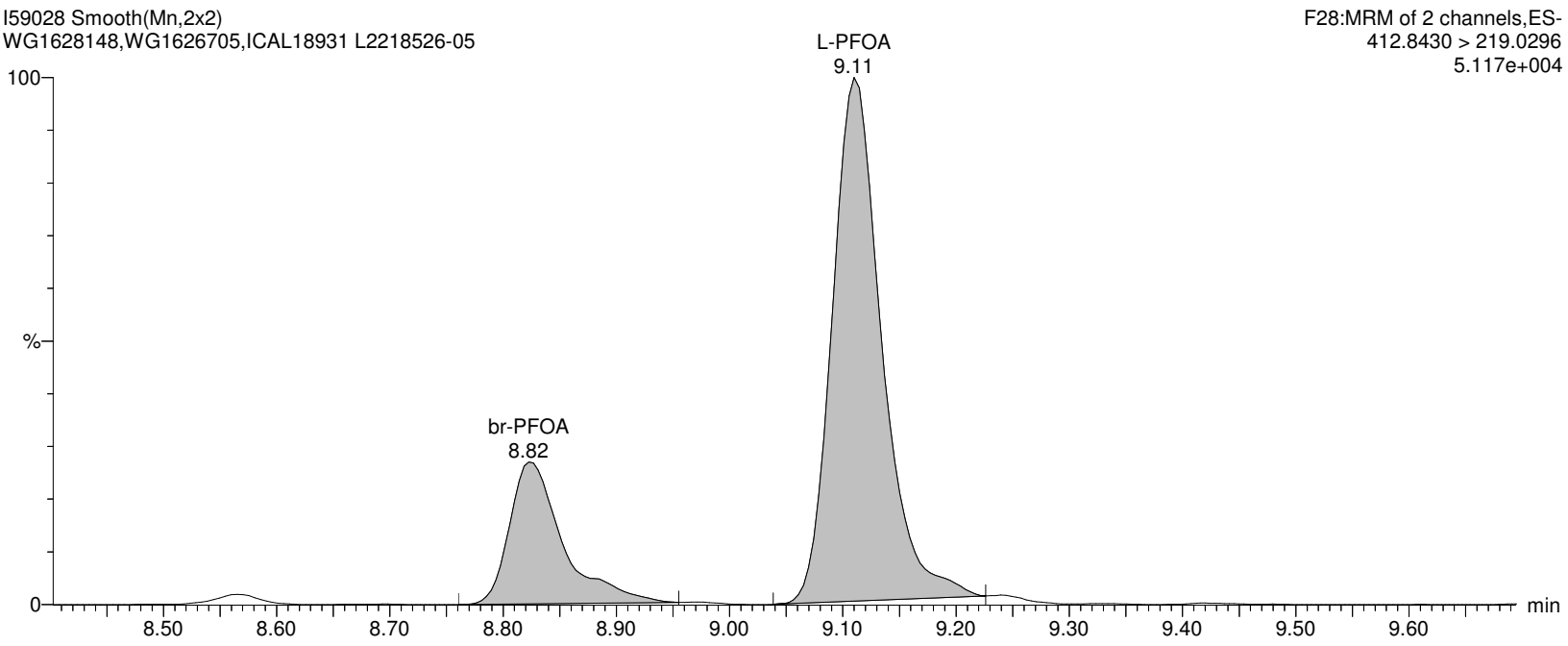
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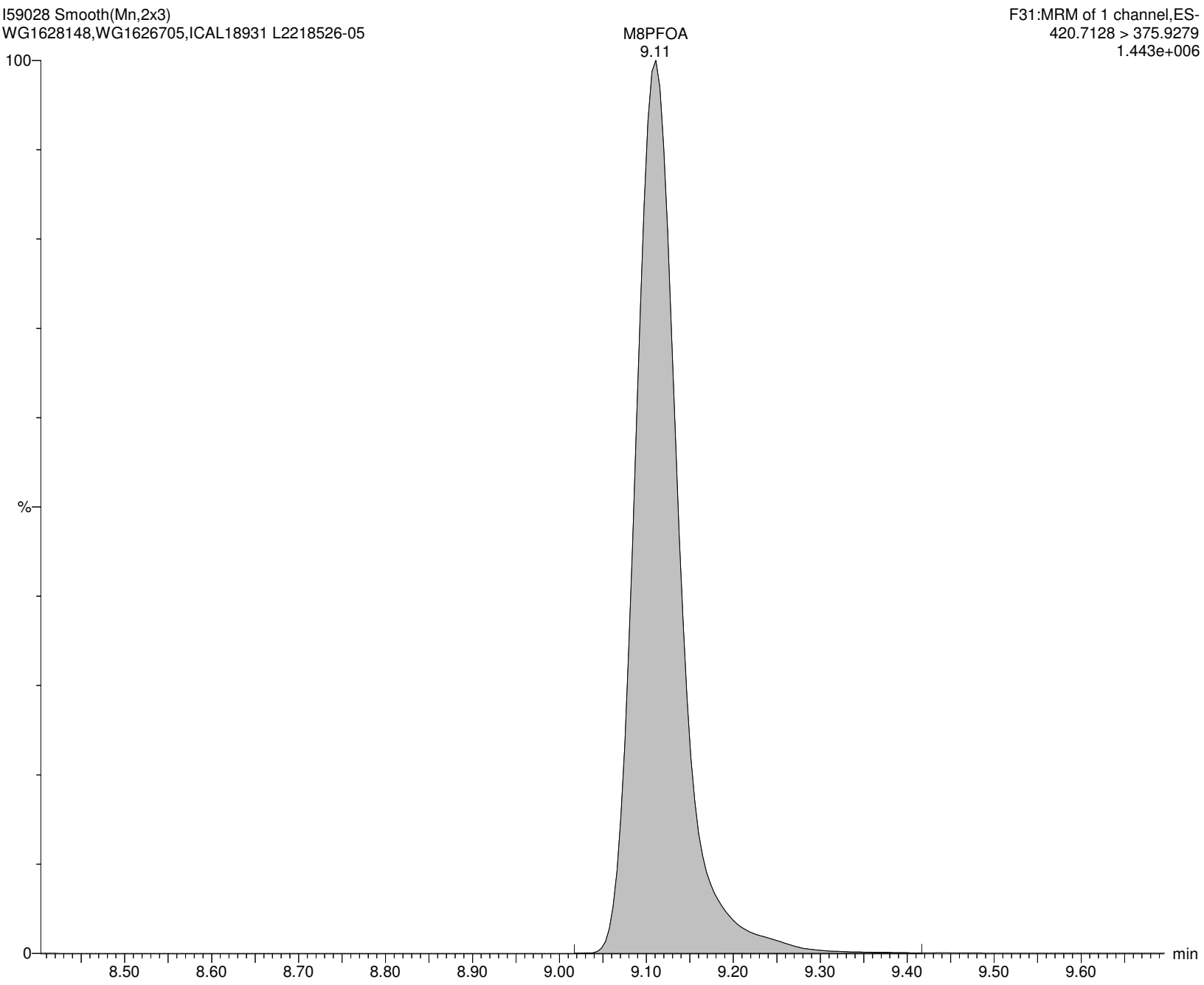


all concentration units in (ng/mL)

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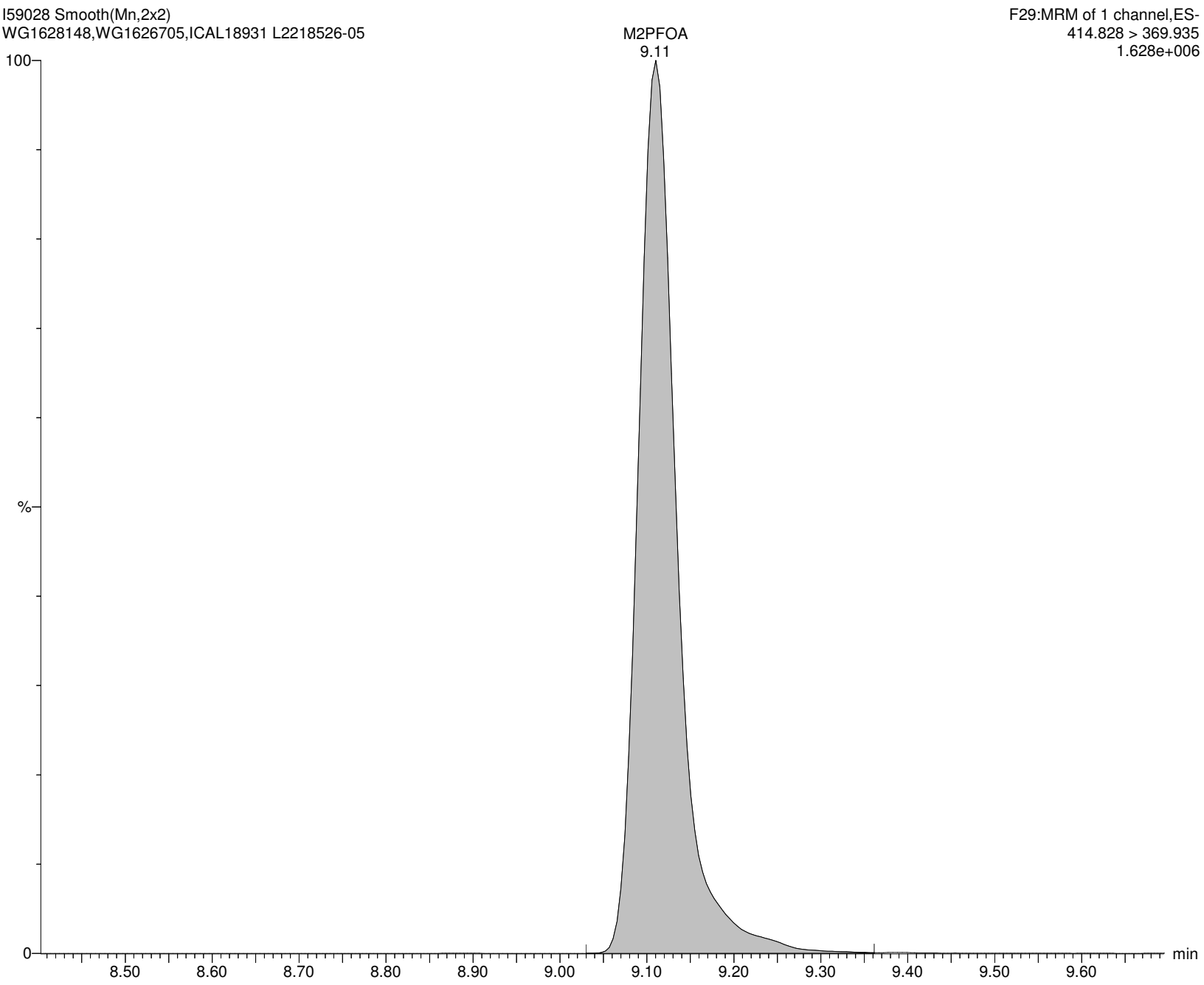


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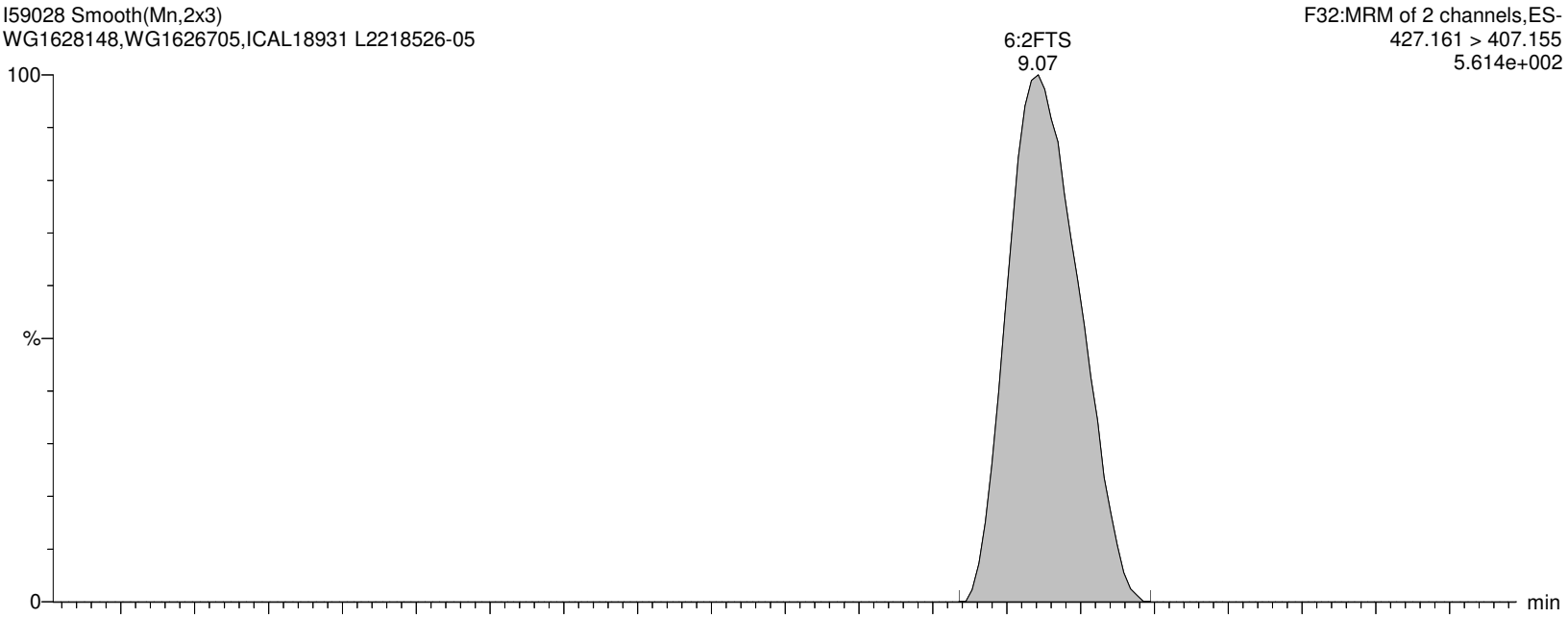


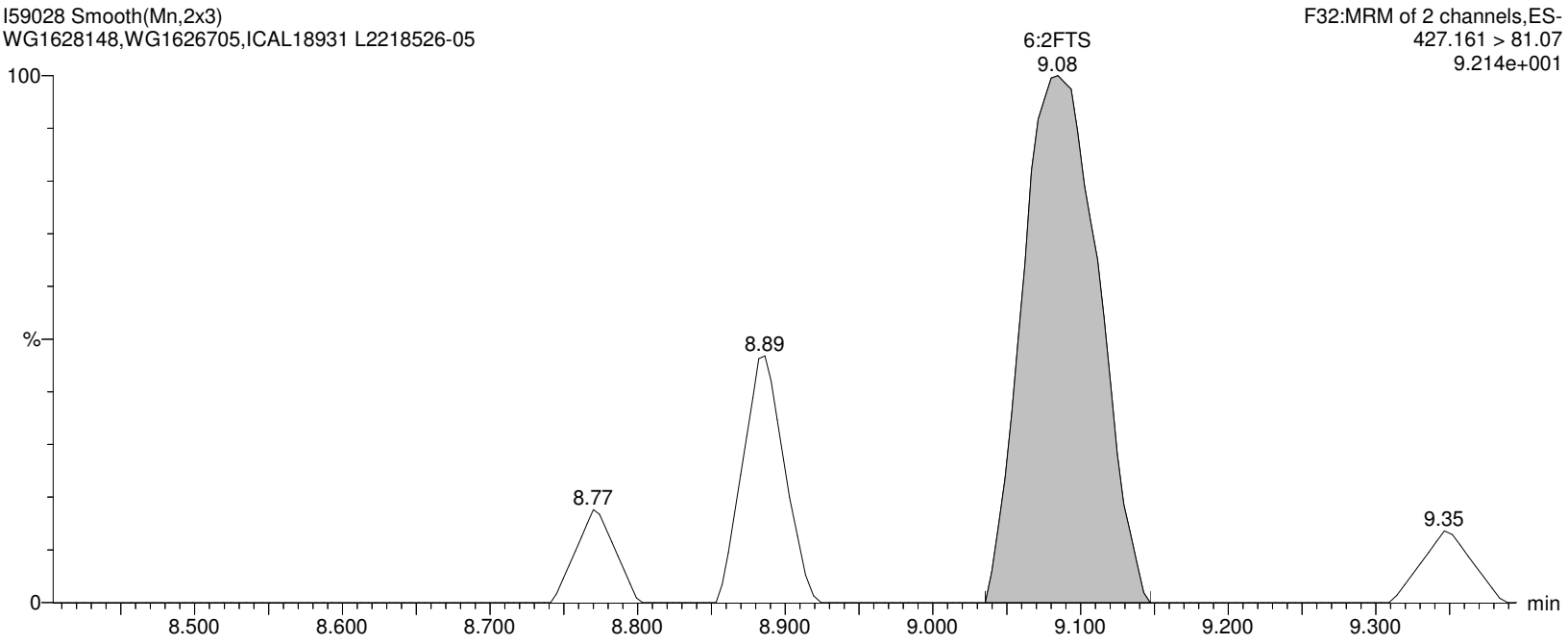
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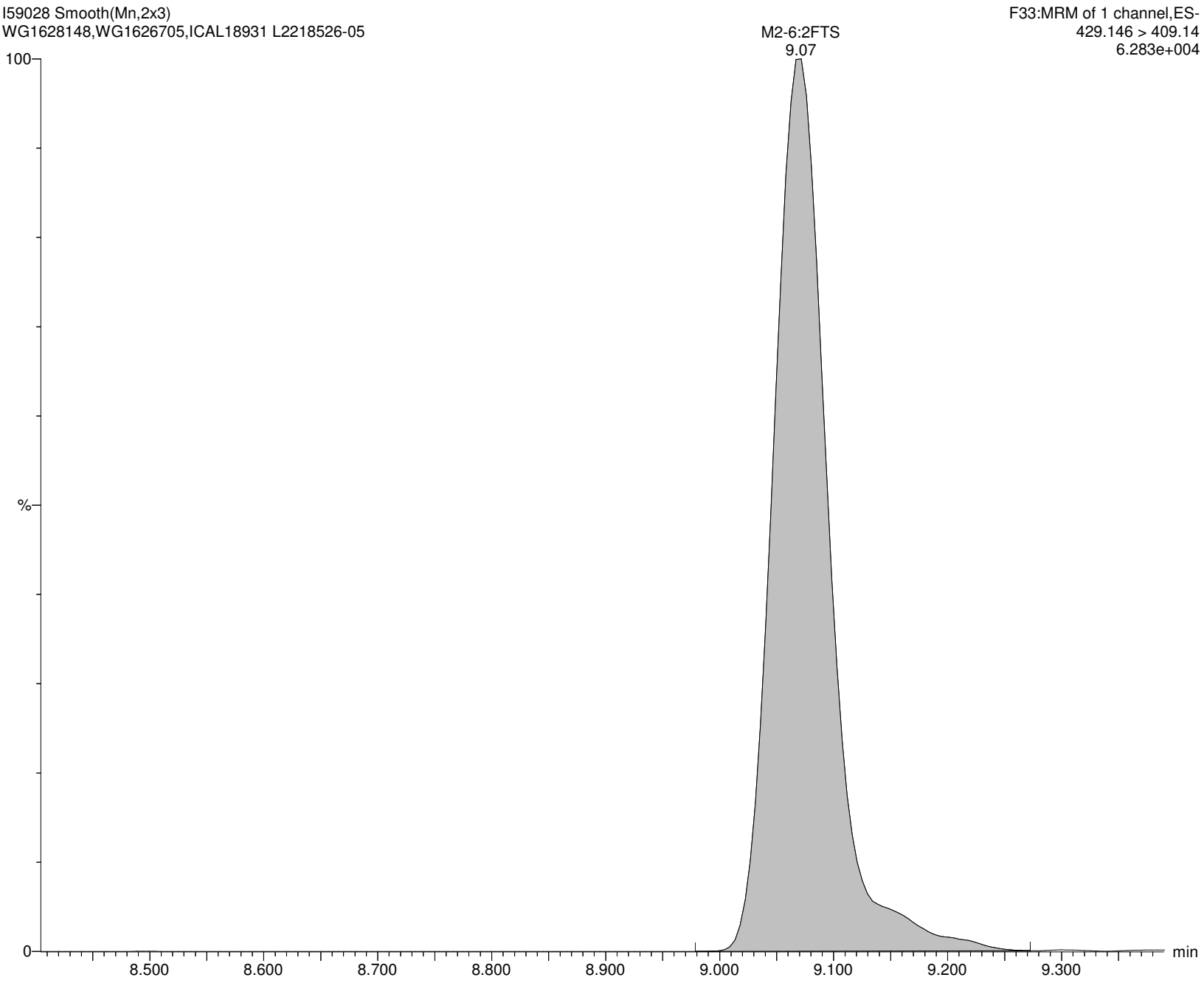


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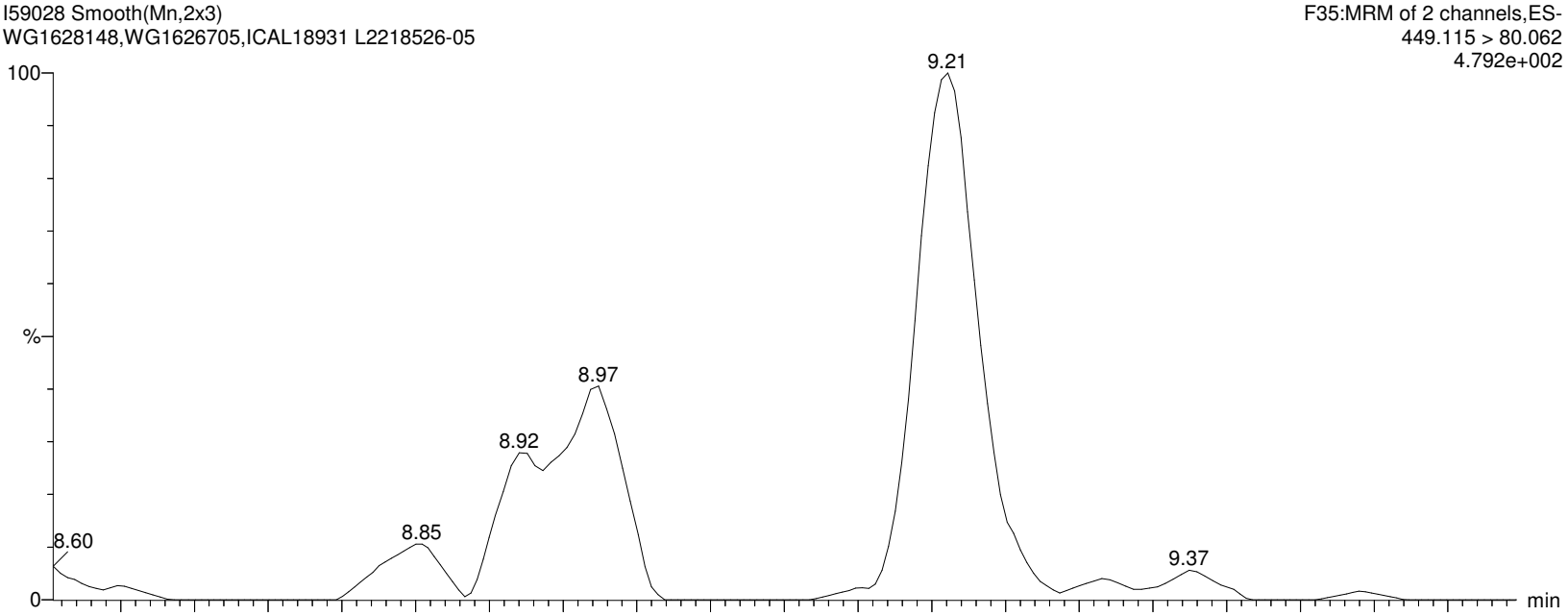


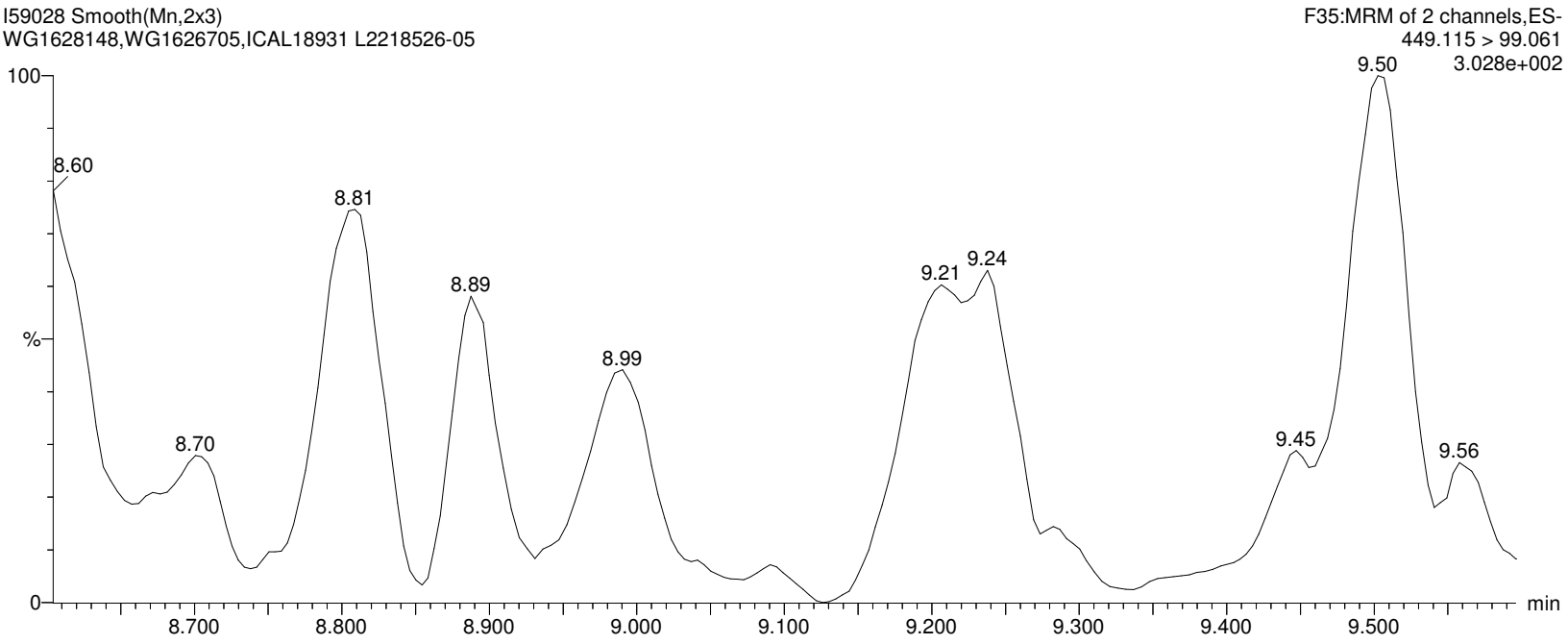
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PFHpS



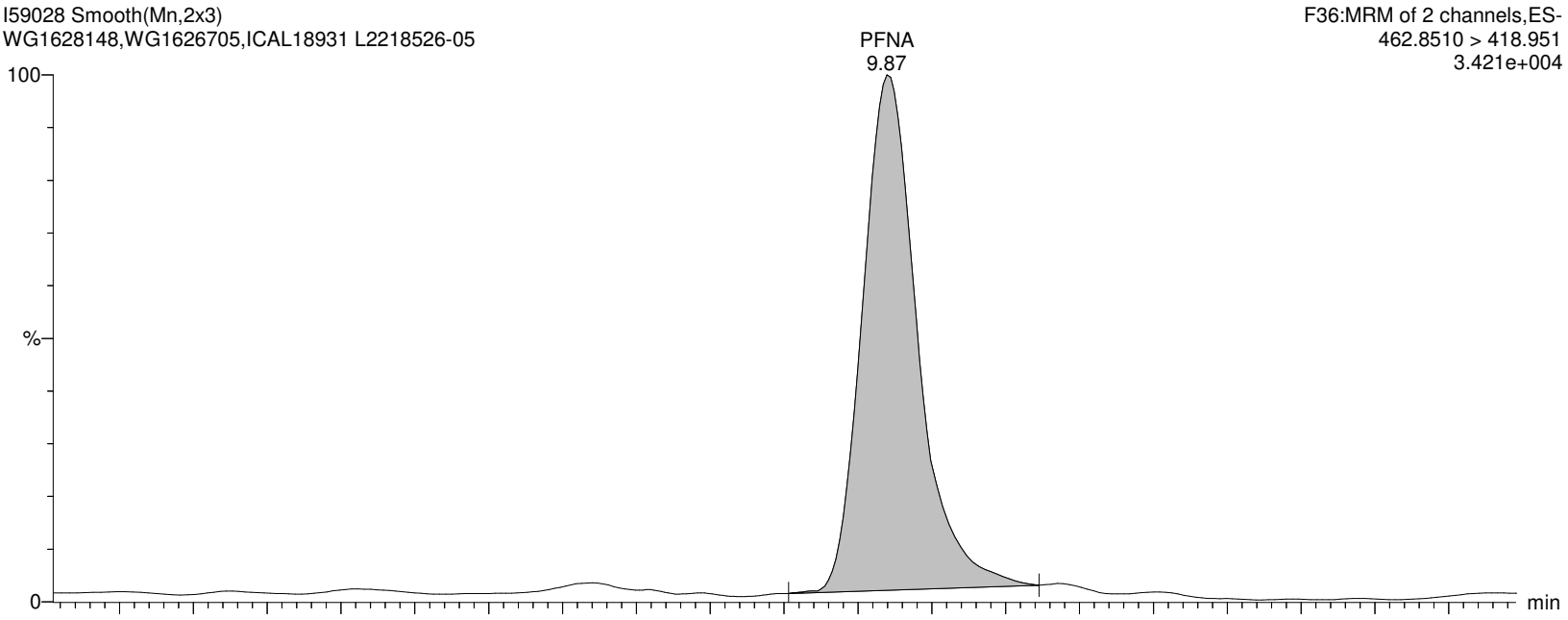


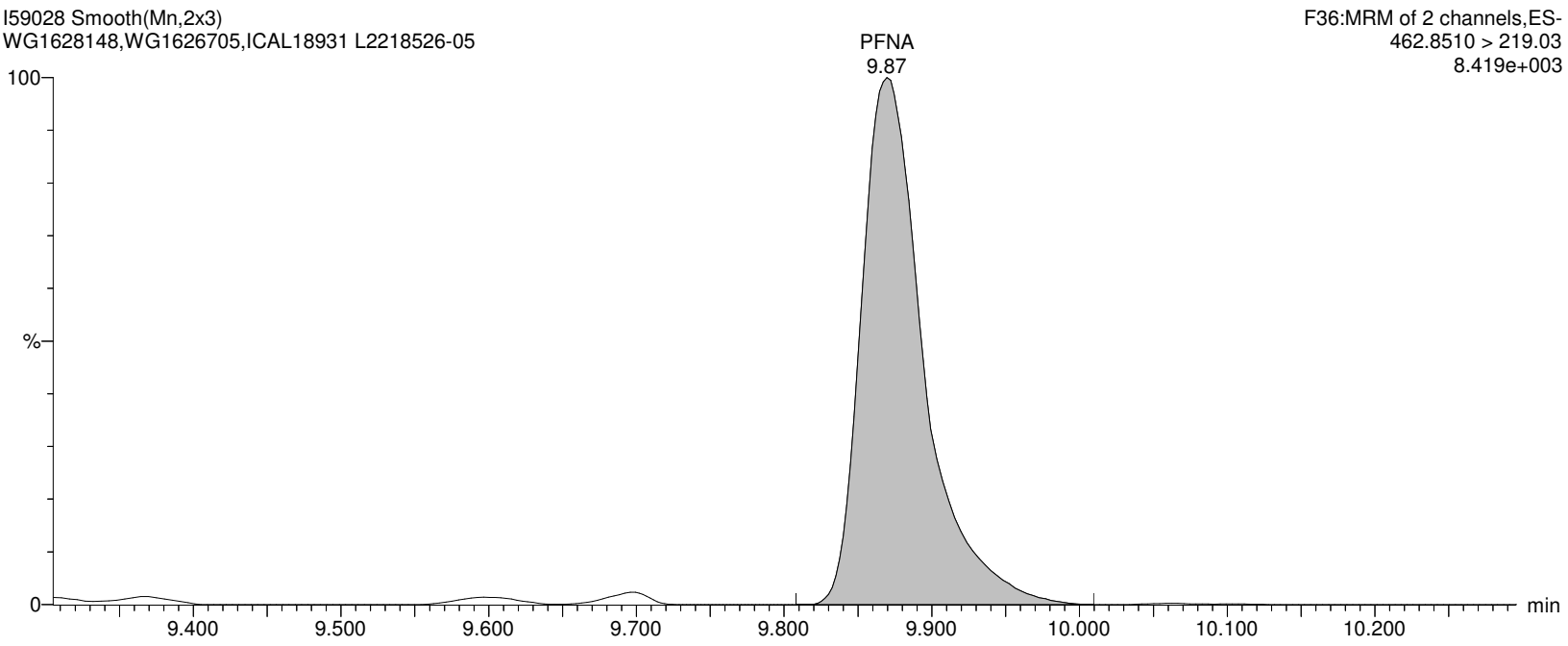
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:10 Eastern Daylight Time

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Date: 18-Apr-2022
Time: 01:01:21
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
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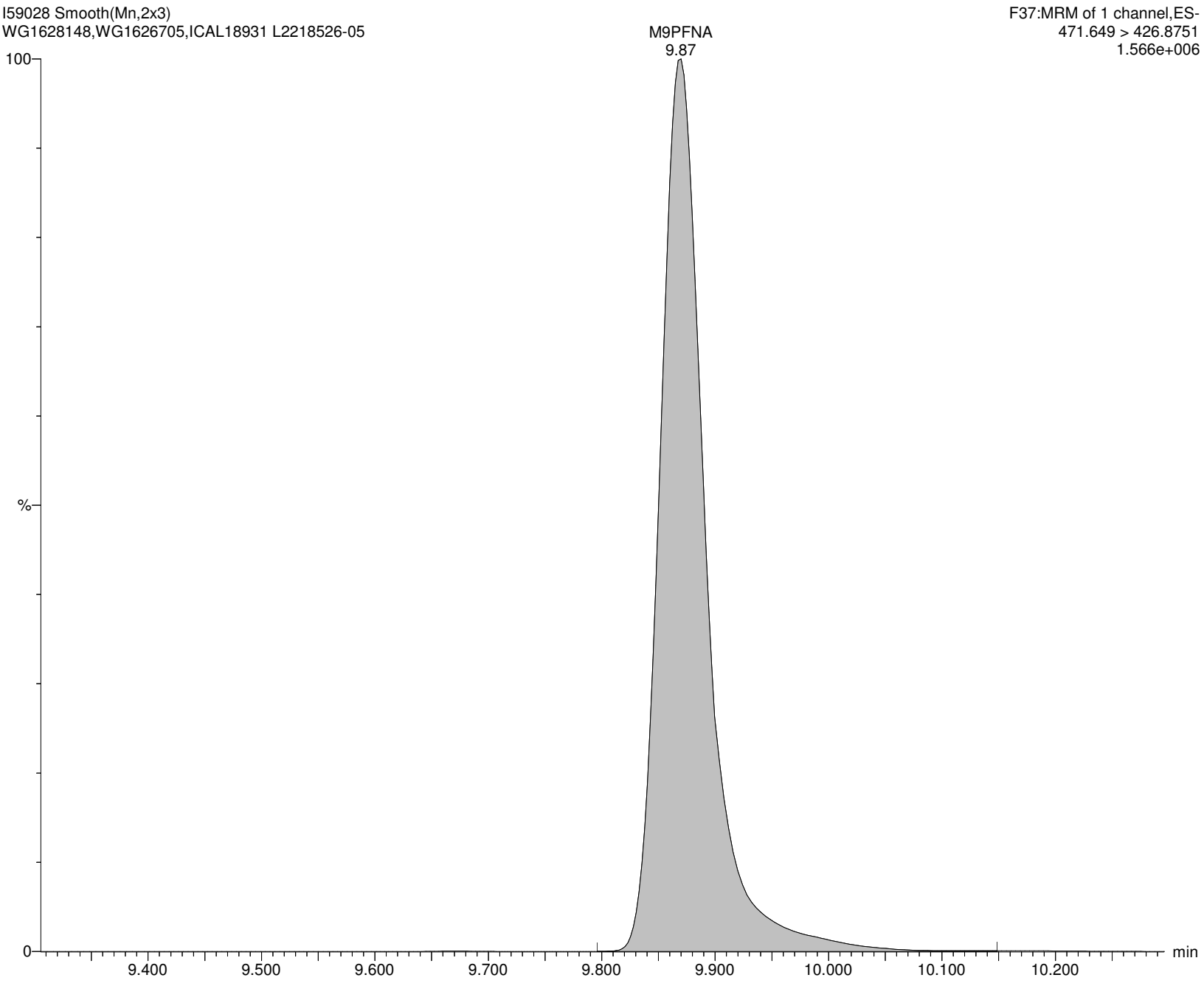


all concentration units in (ng/mL)

Alpha Analytical Inc.
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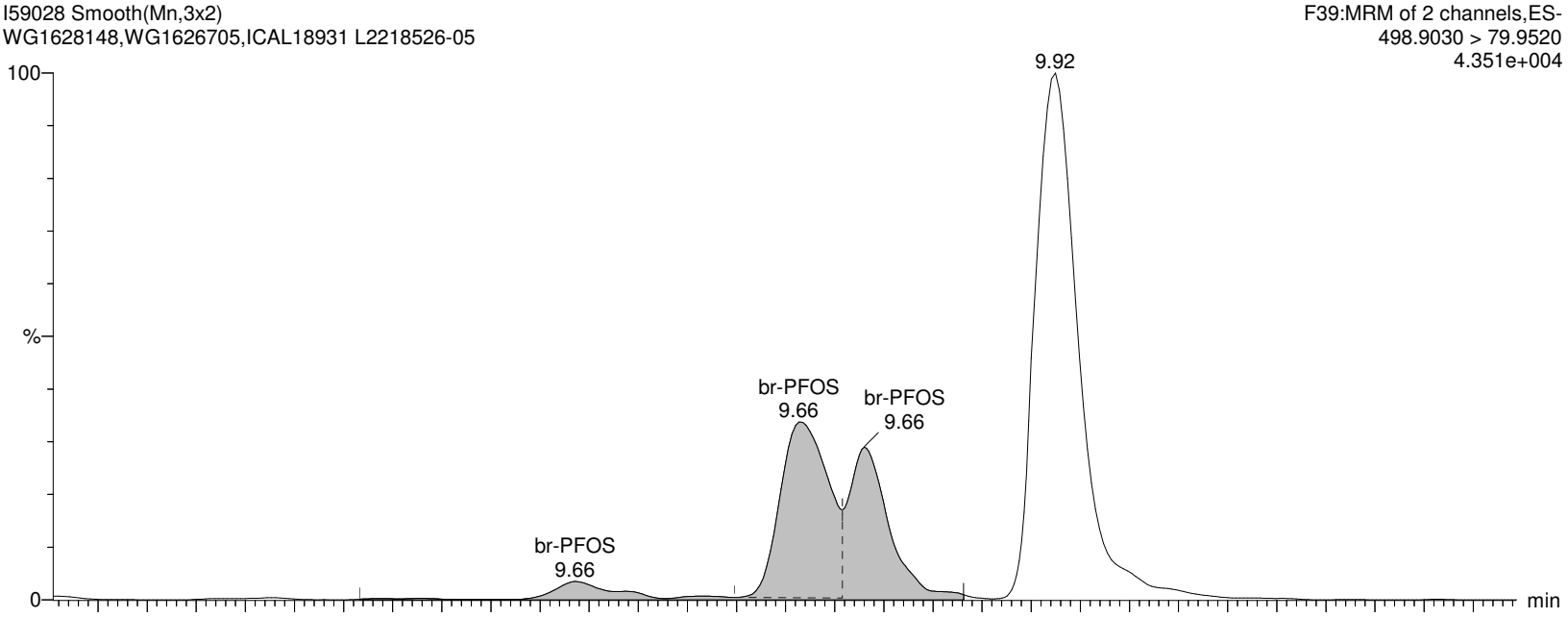


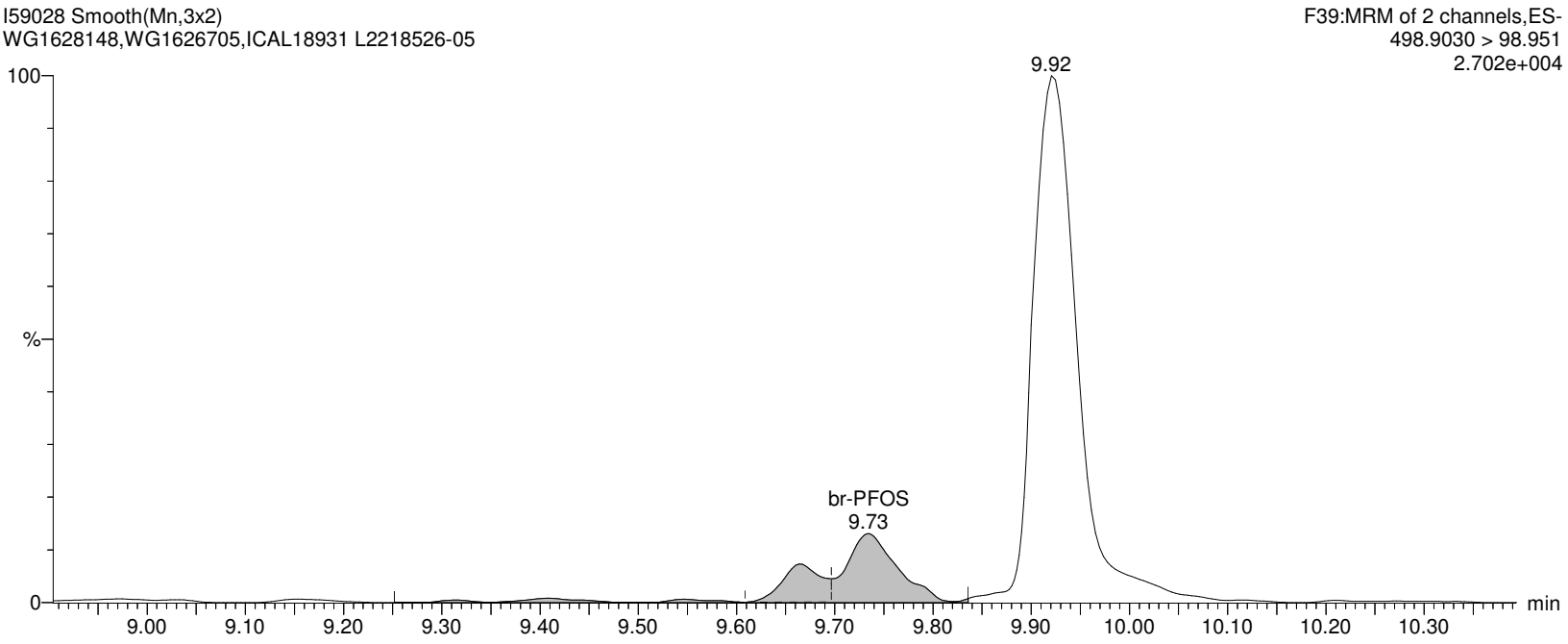
all concentration units in (ng/mL)

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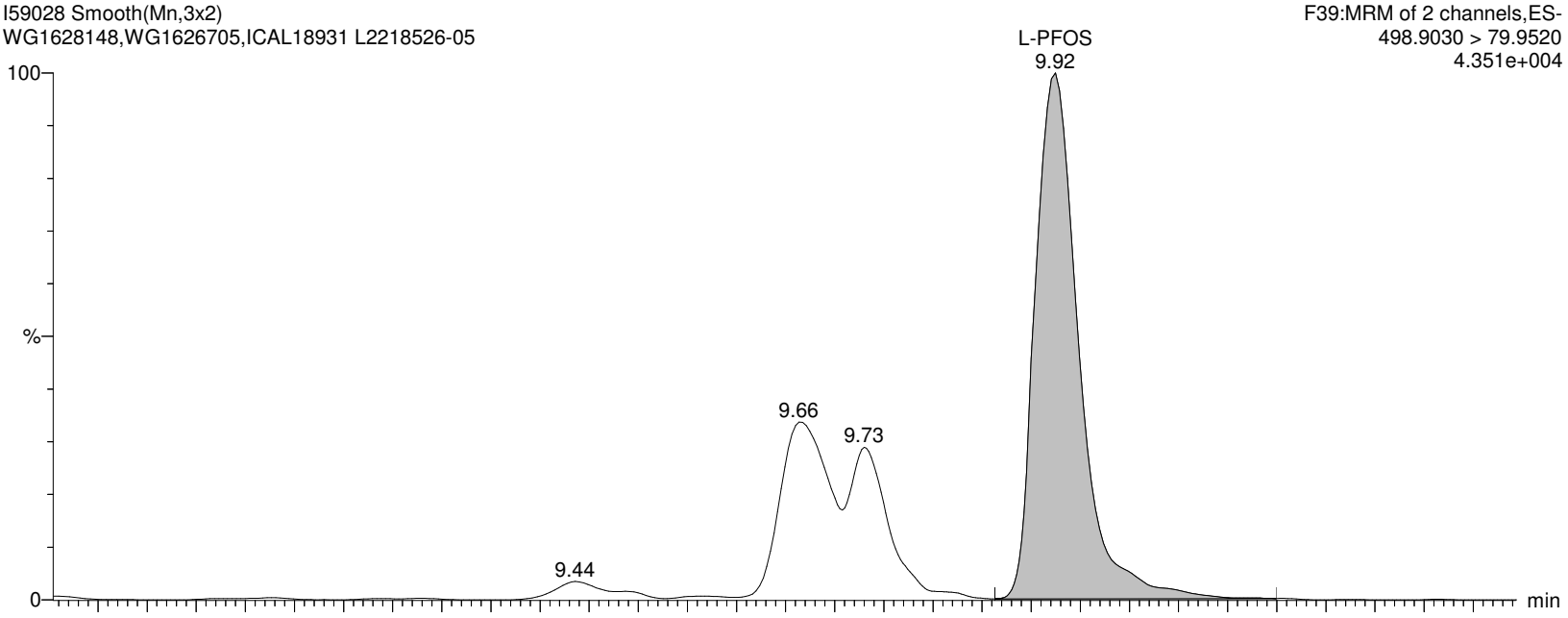


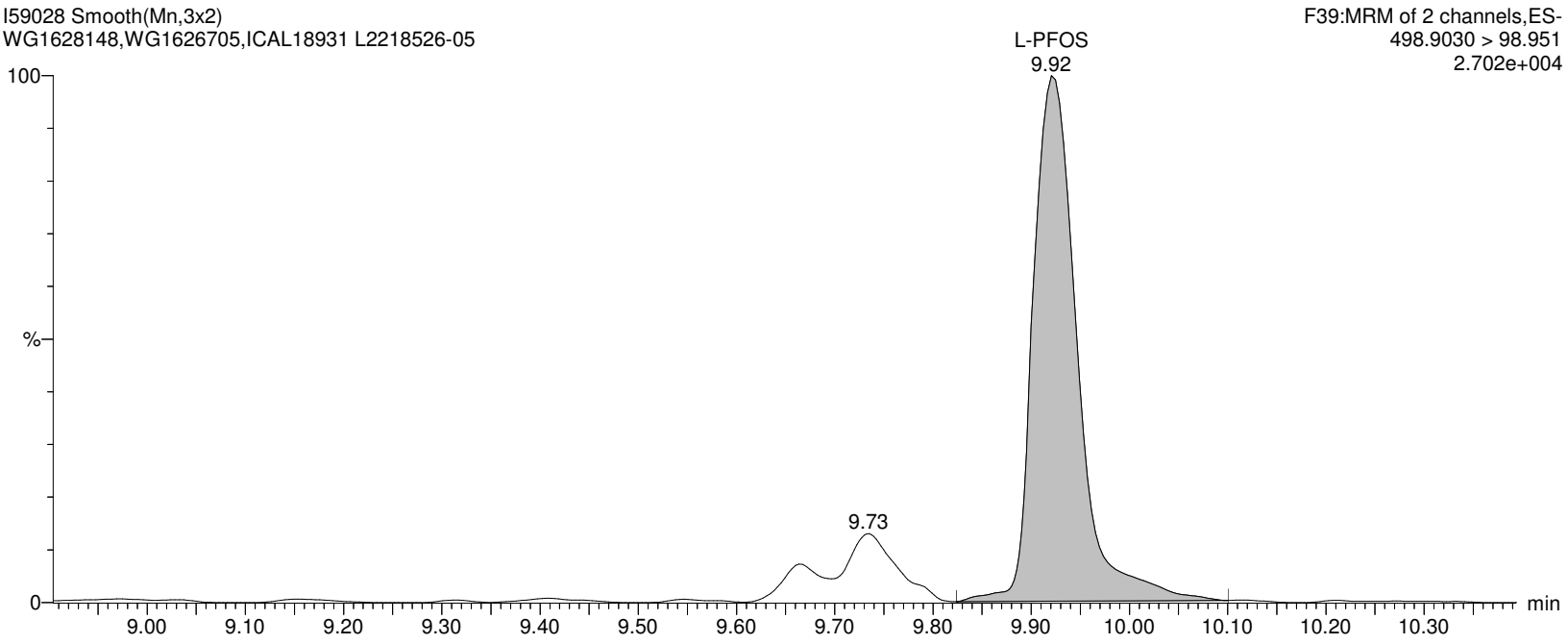
all concentration units in (ng/mL)

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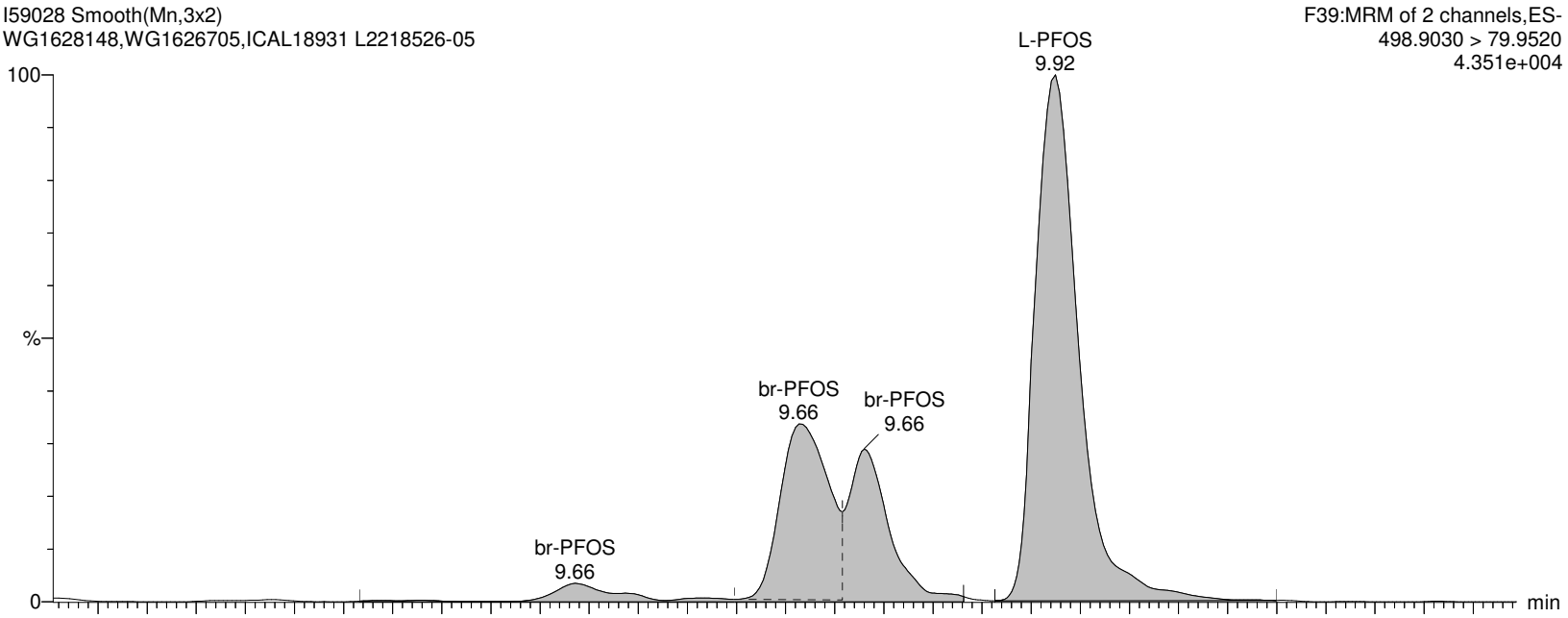


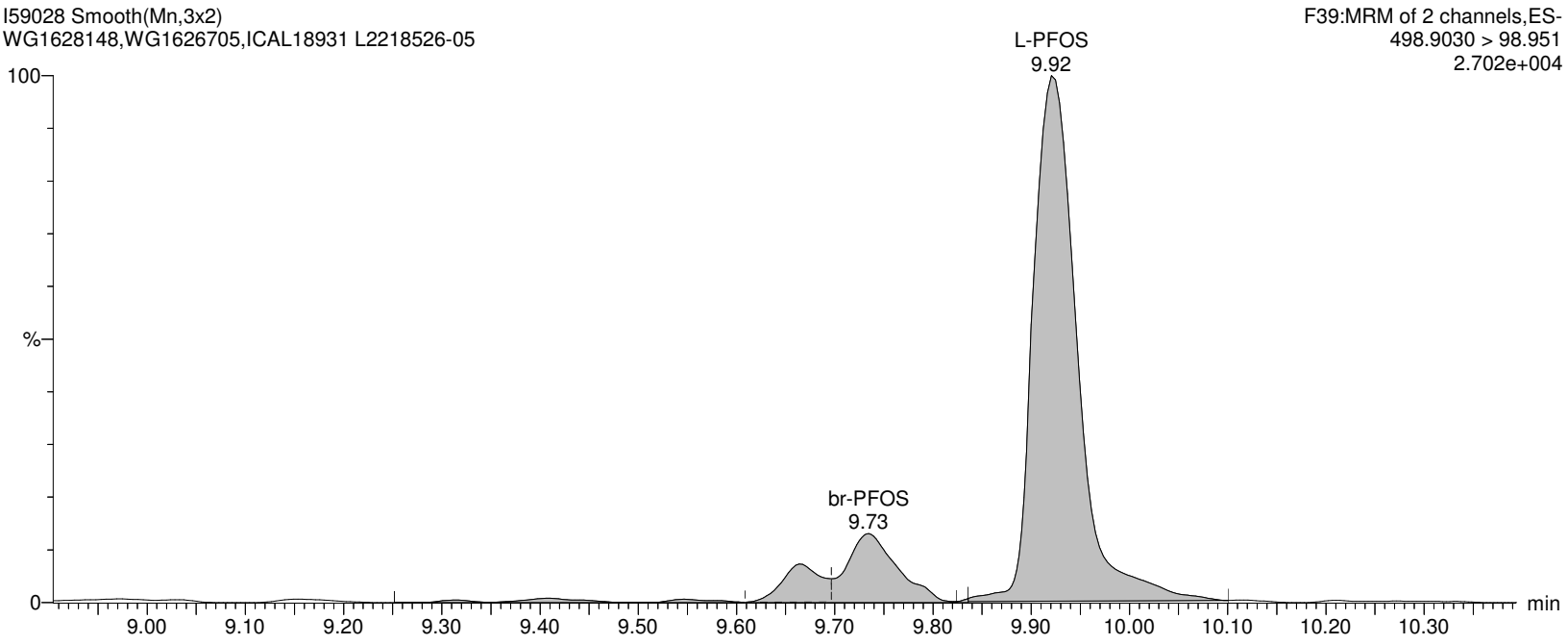
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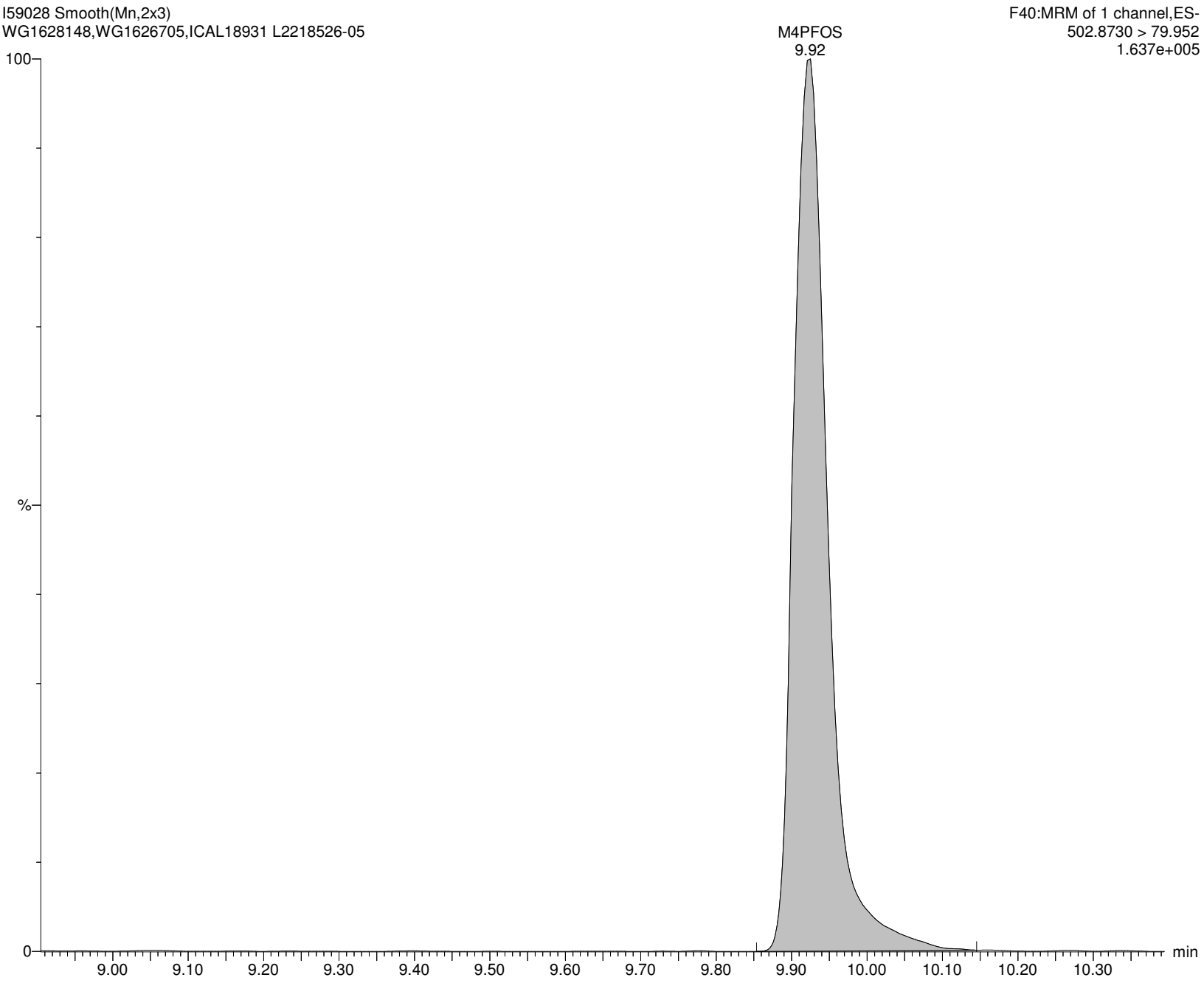


all concentration units in (ng/mL)

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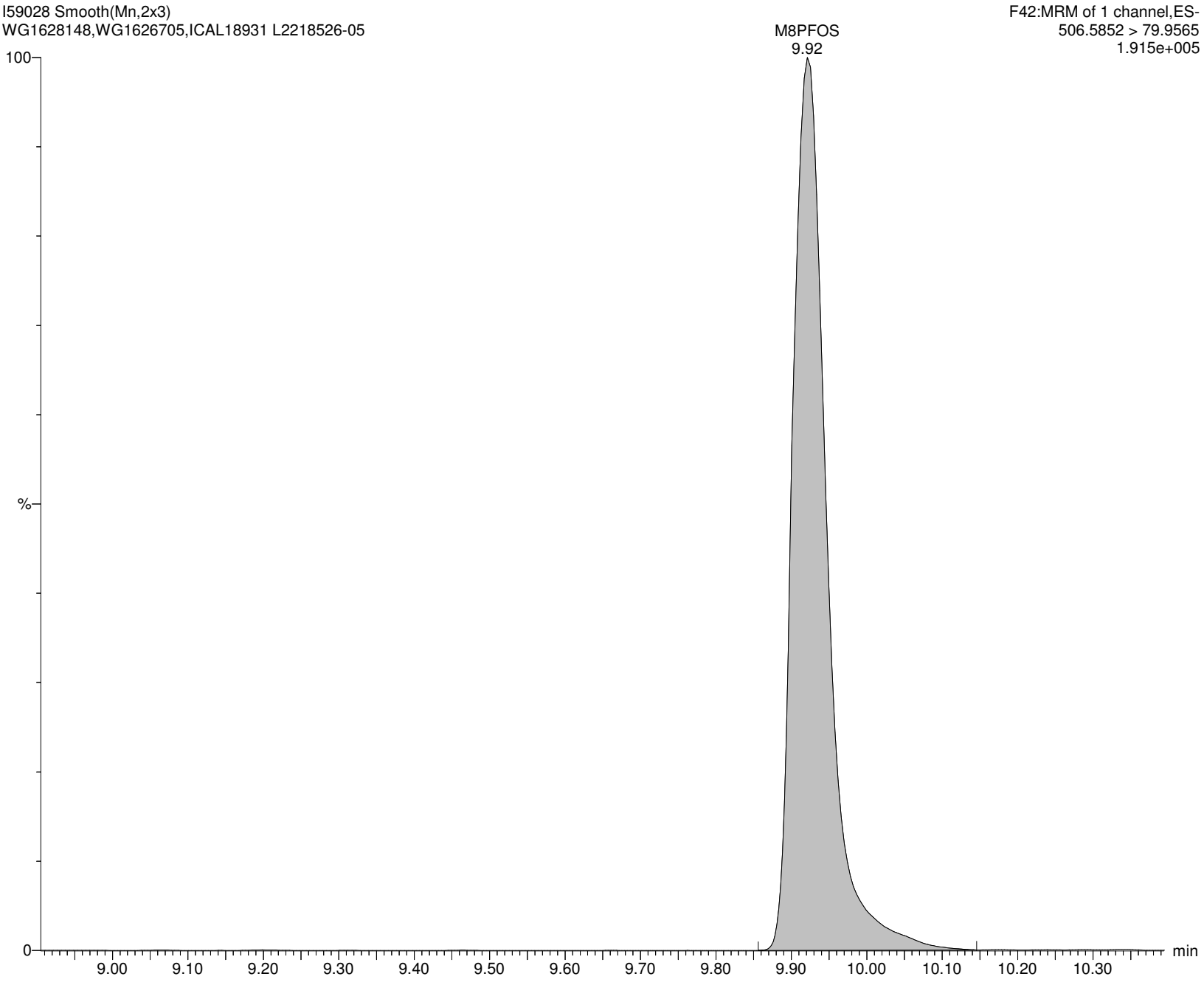


all concentration units in (ng/mL)

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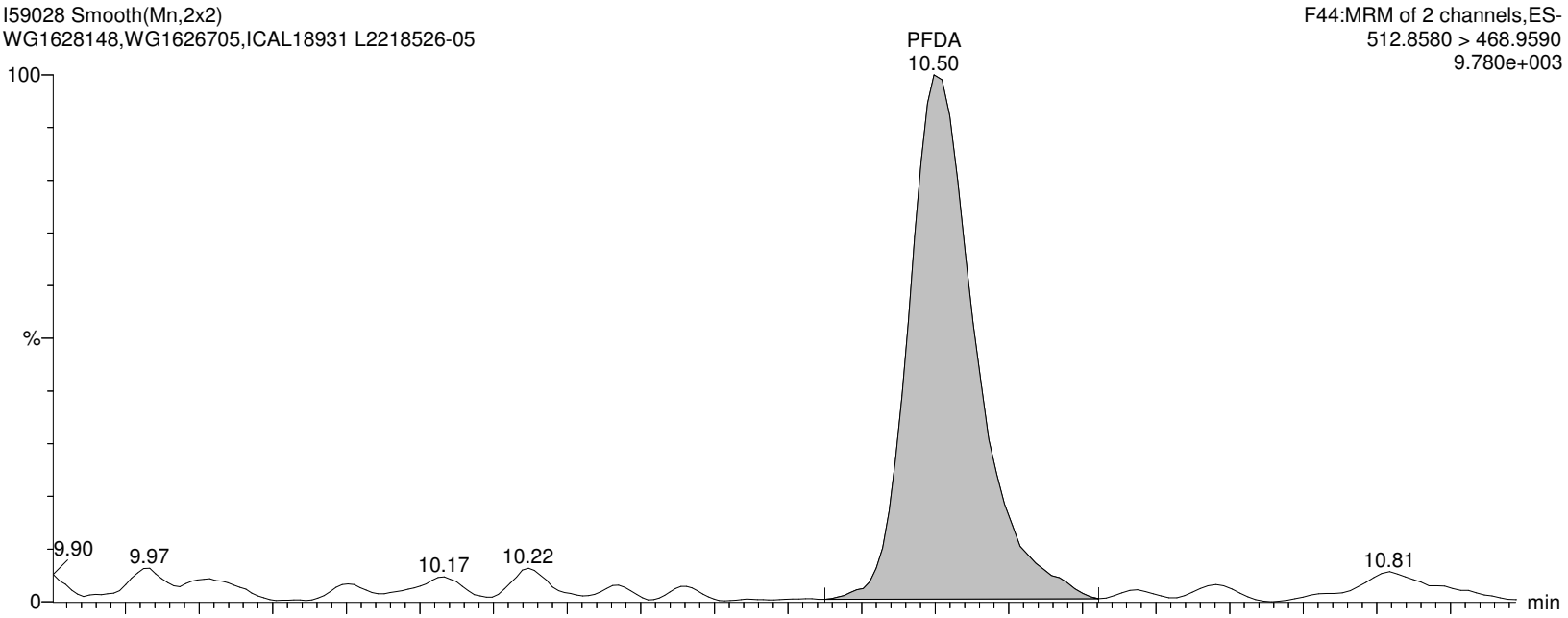


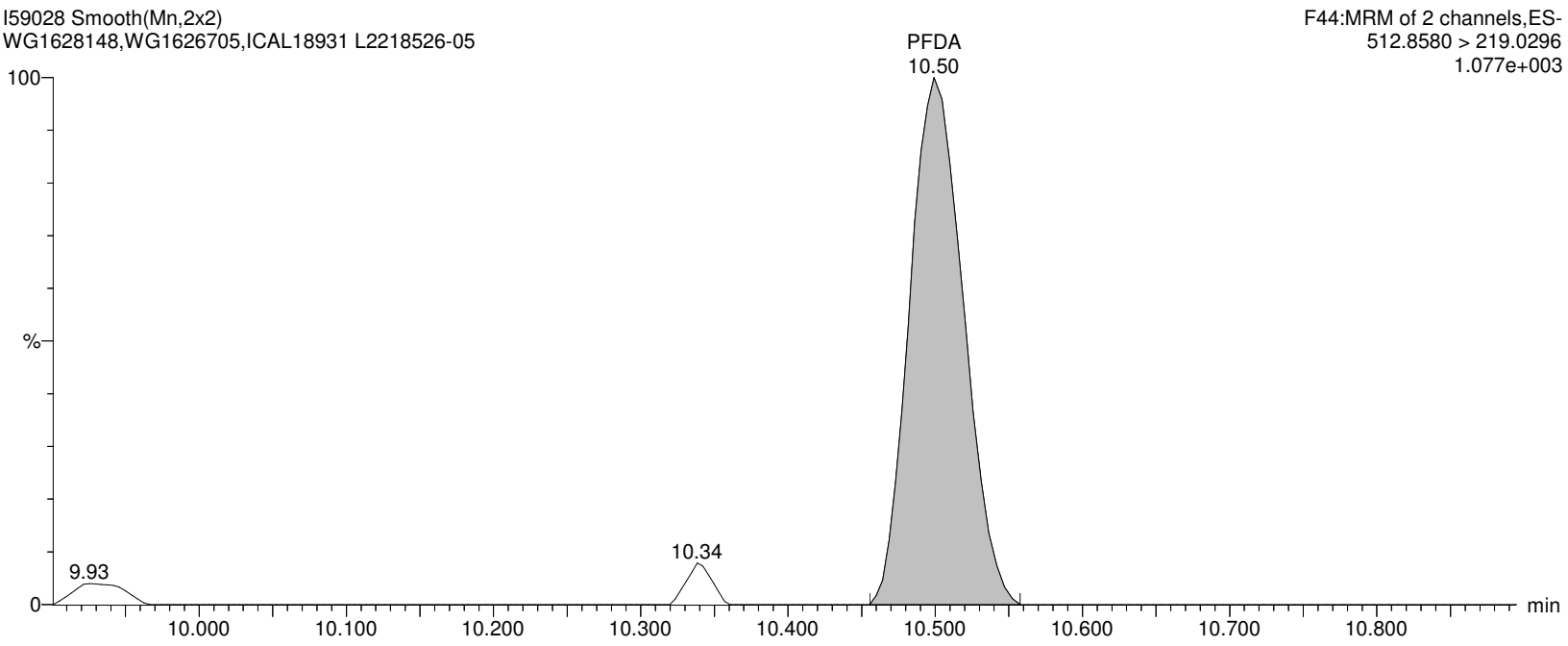
all concentration units in (ng/mL)

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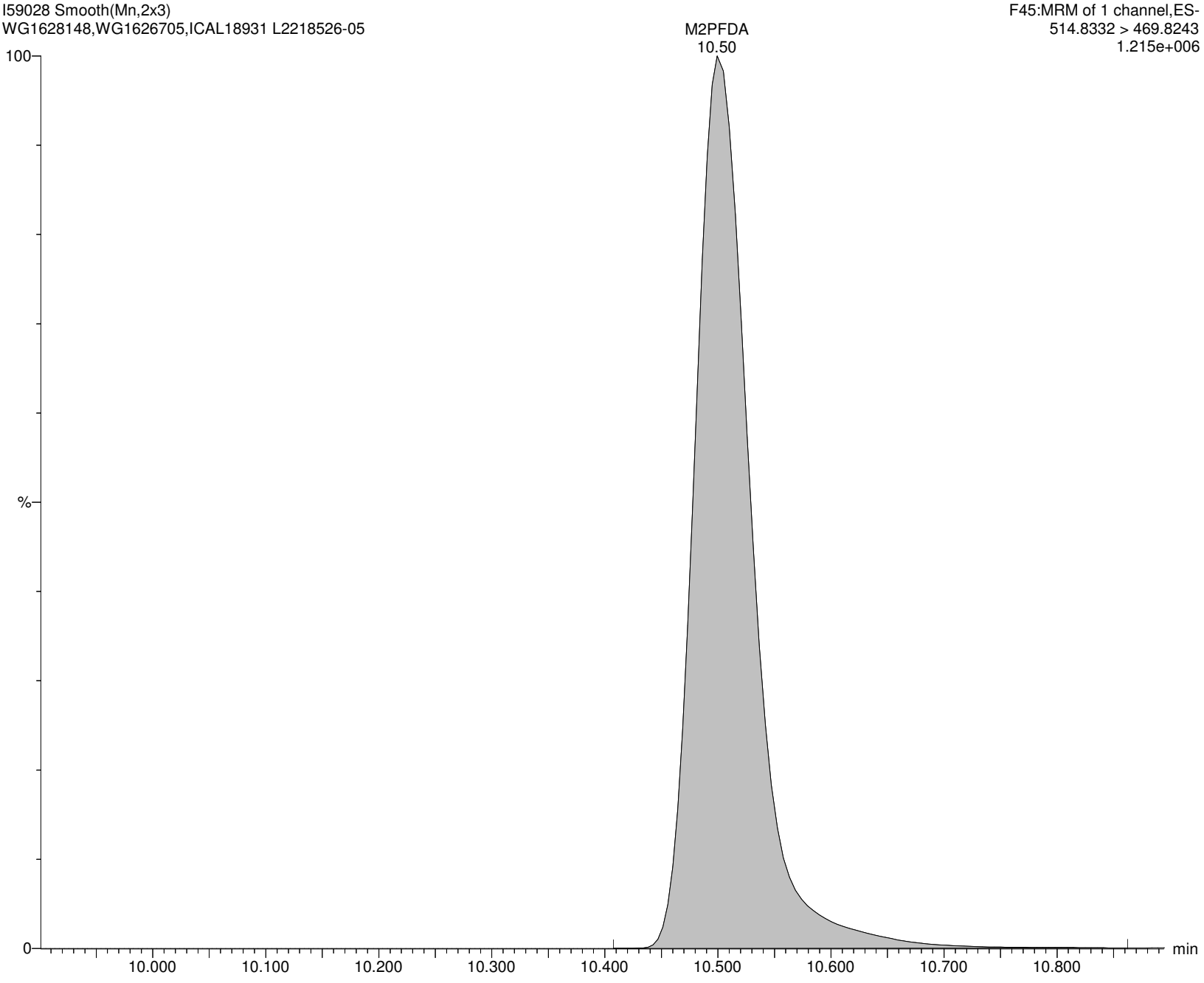


all concentration units in (ng/mL)

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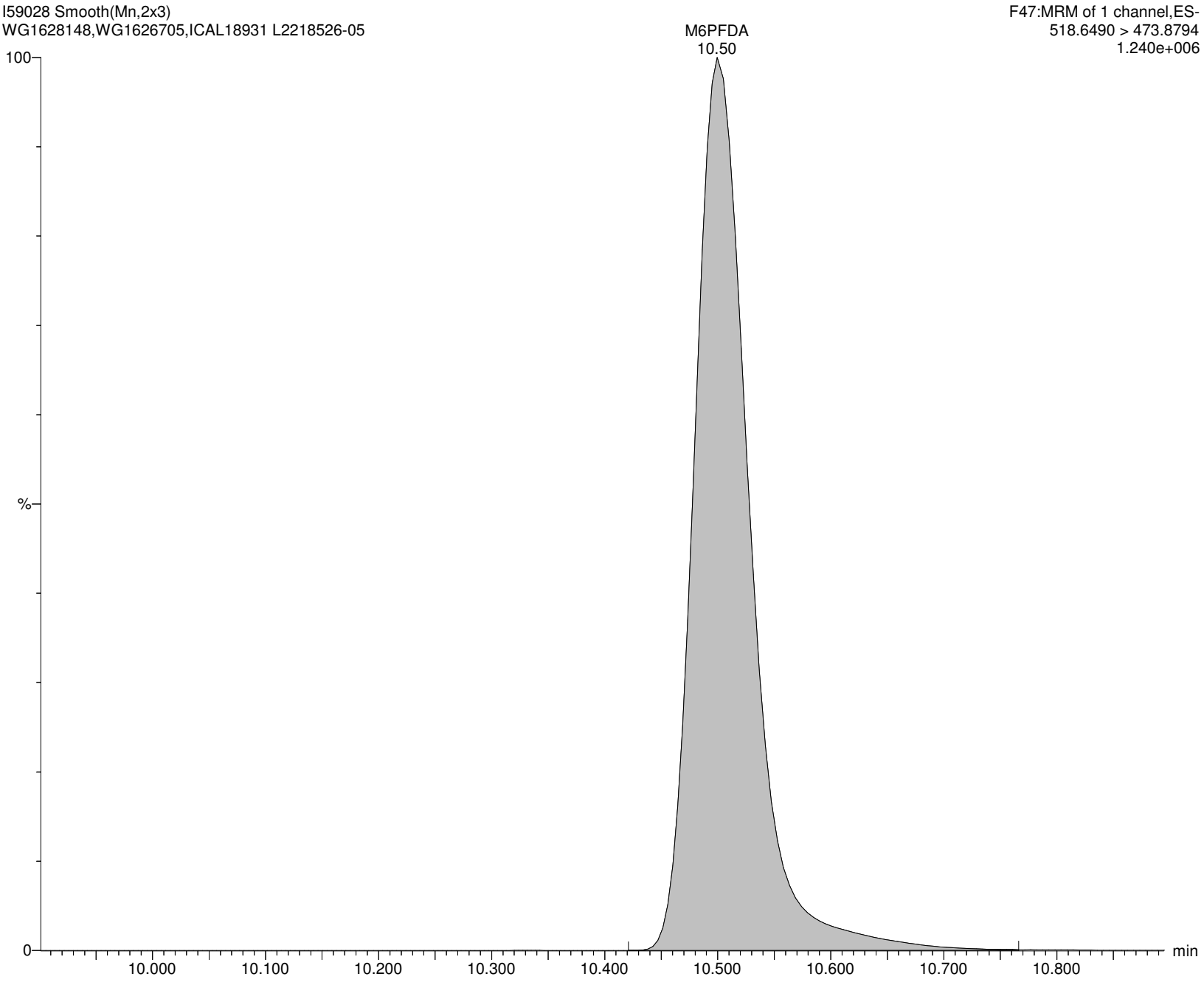


all concentration units in (ng/mL)

Alpha Analytical Inc.
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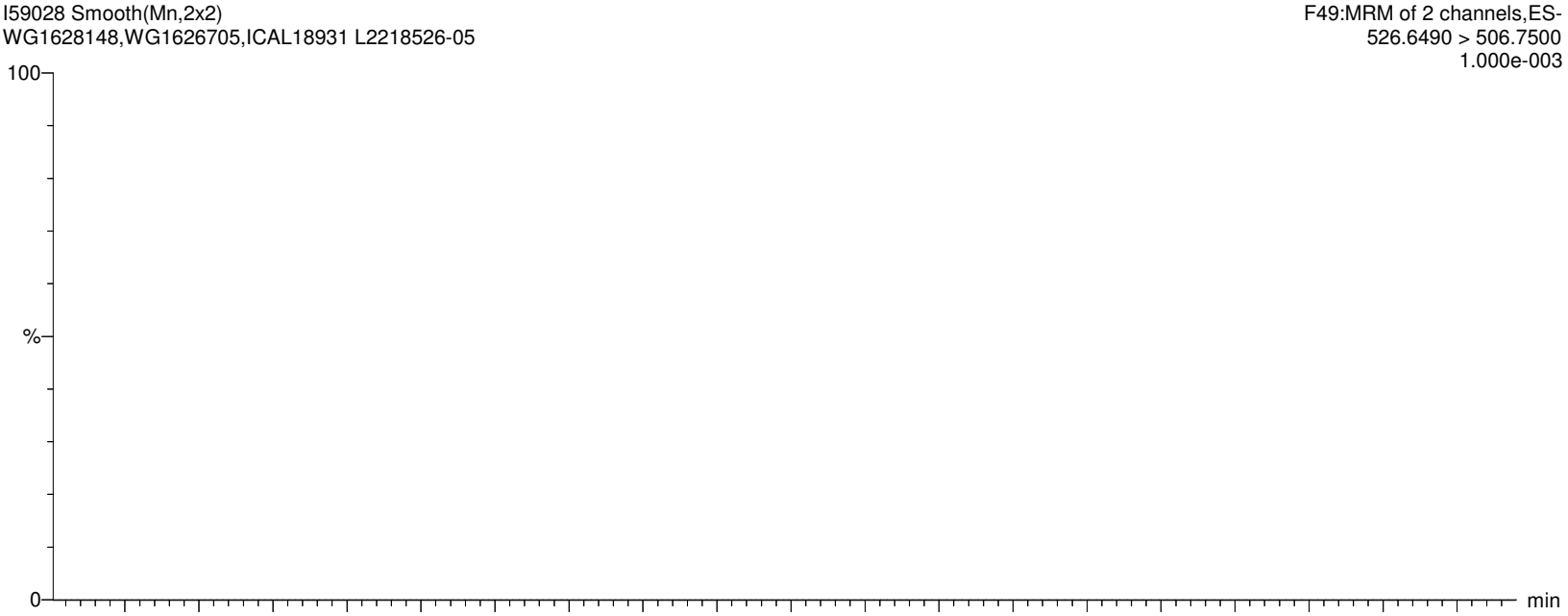


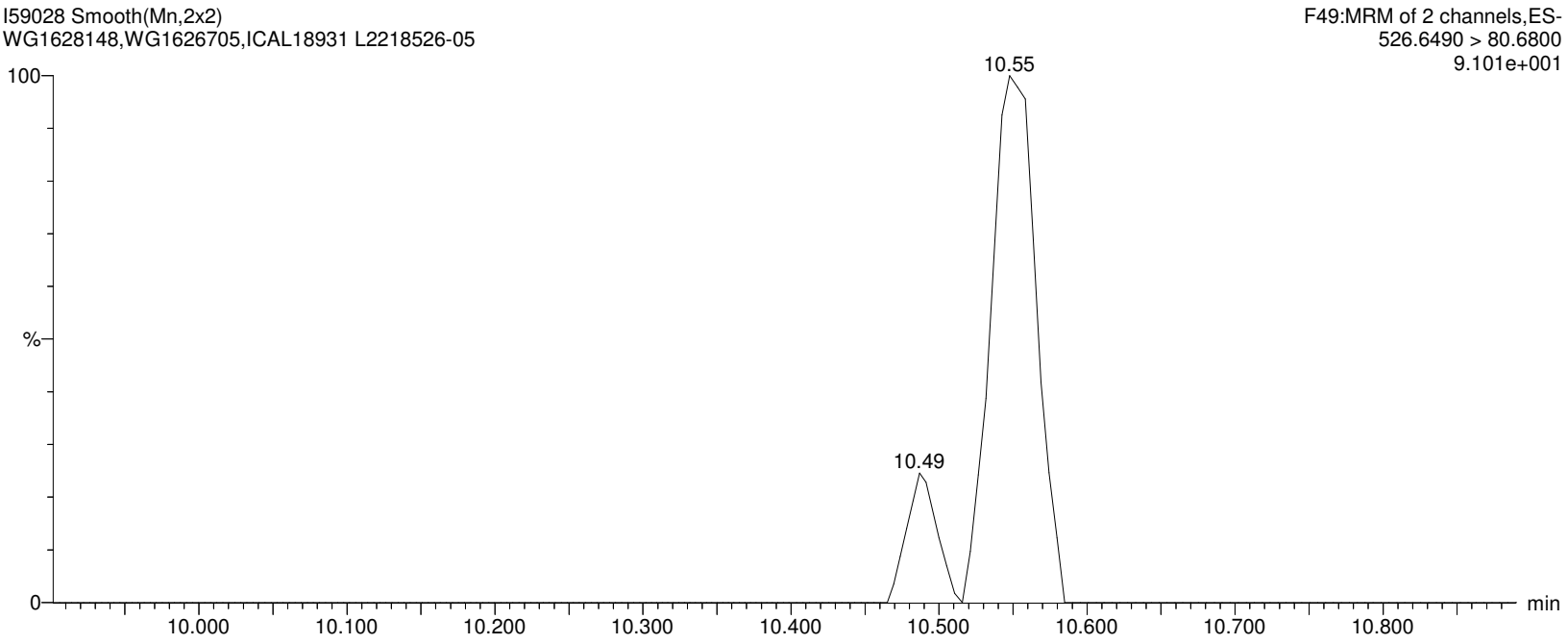
all concentration units in (ng/mL)

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8:2FTS



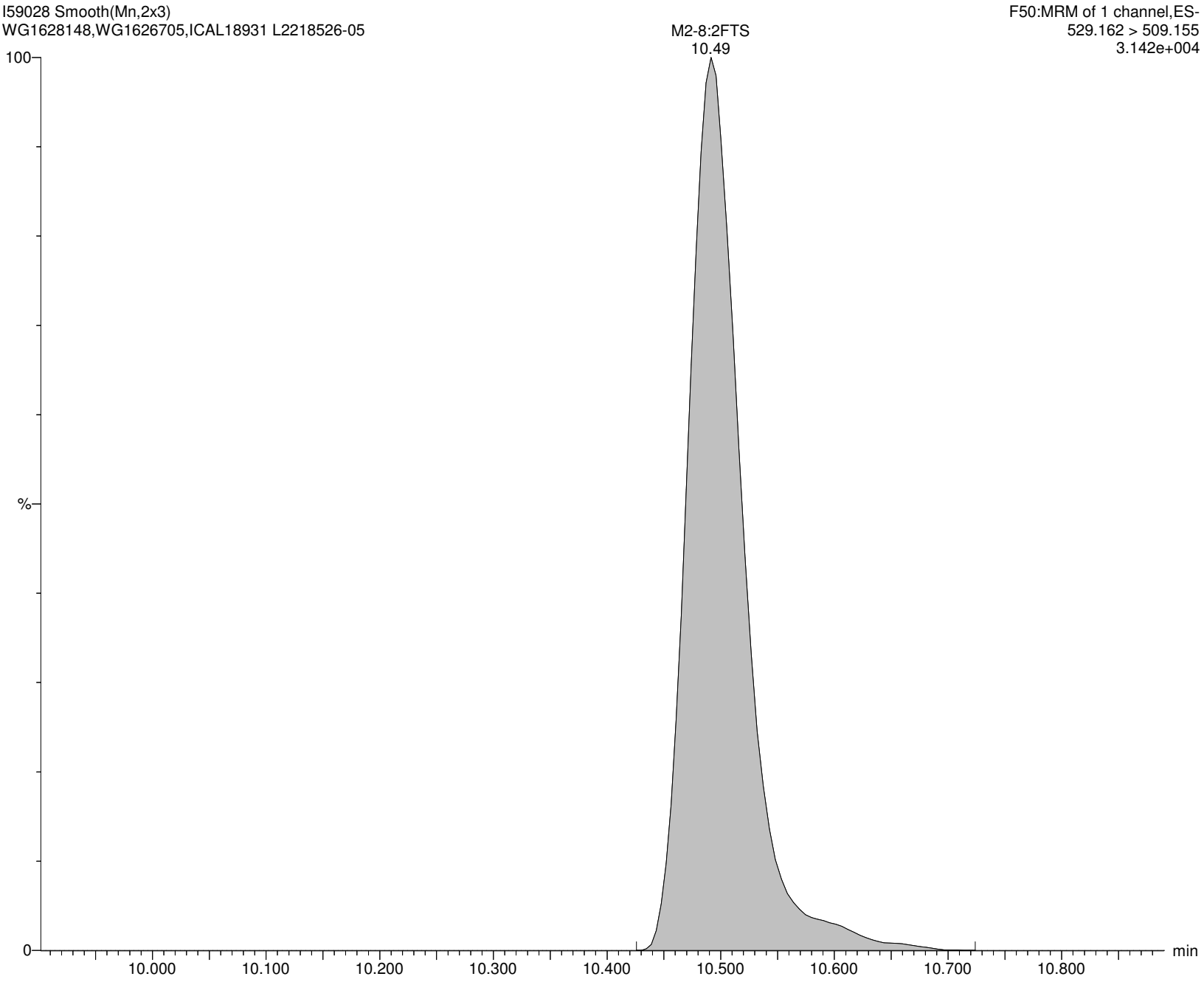


all concentration units in (ng/mL)

Alpha Analytical Inc.
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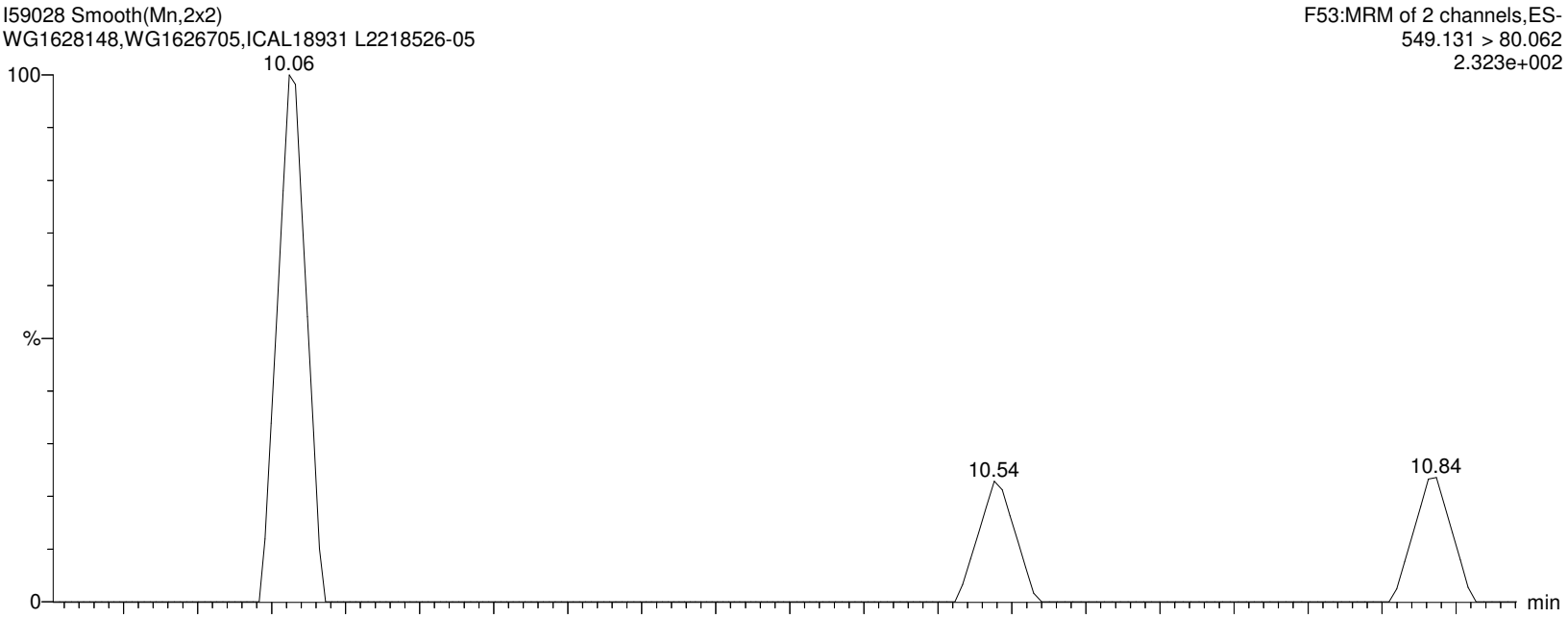


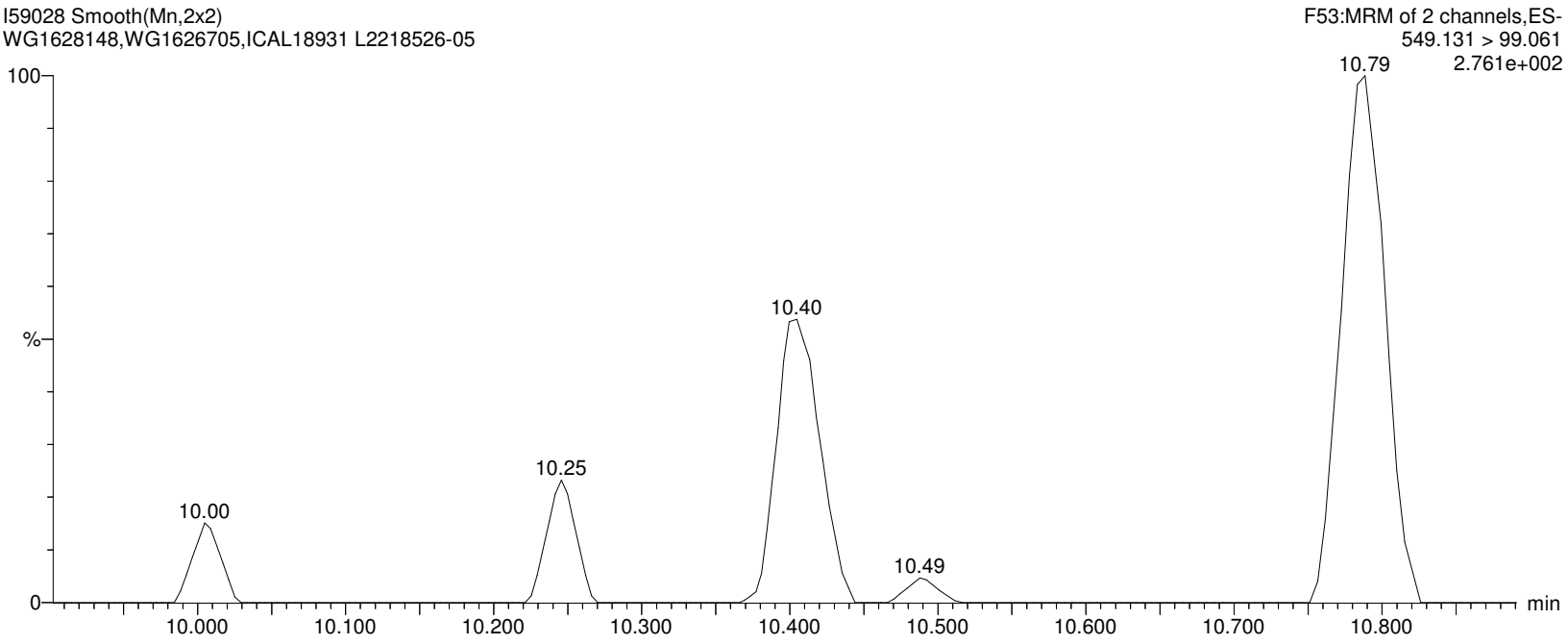
all concentration units in (ng/mL)

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PFNS



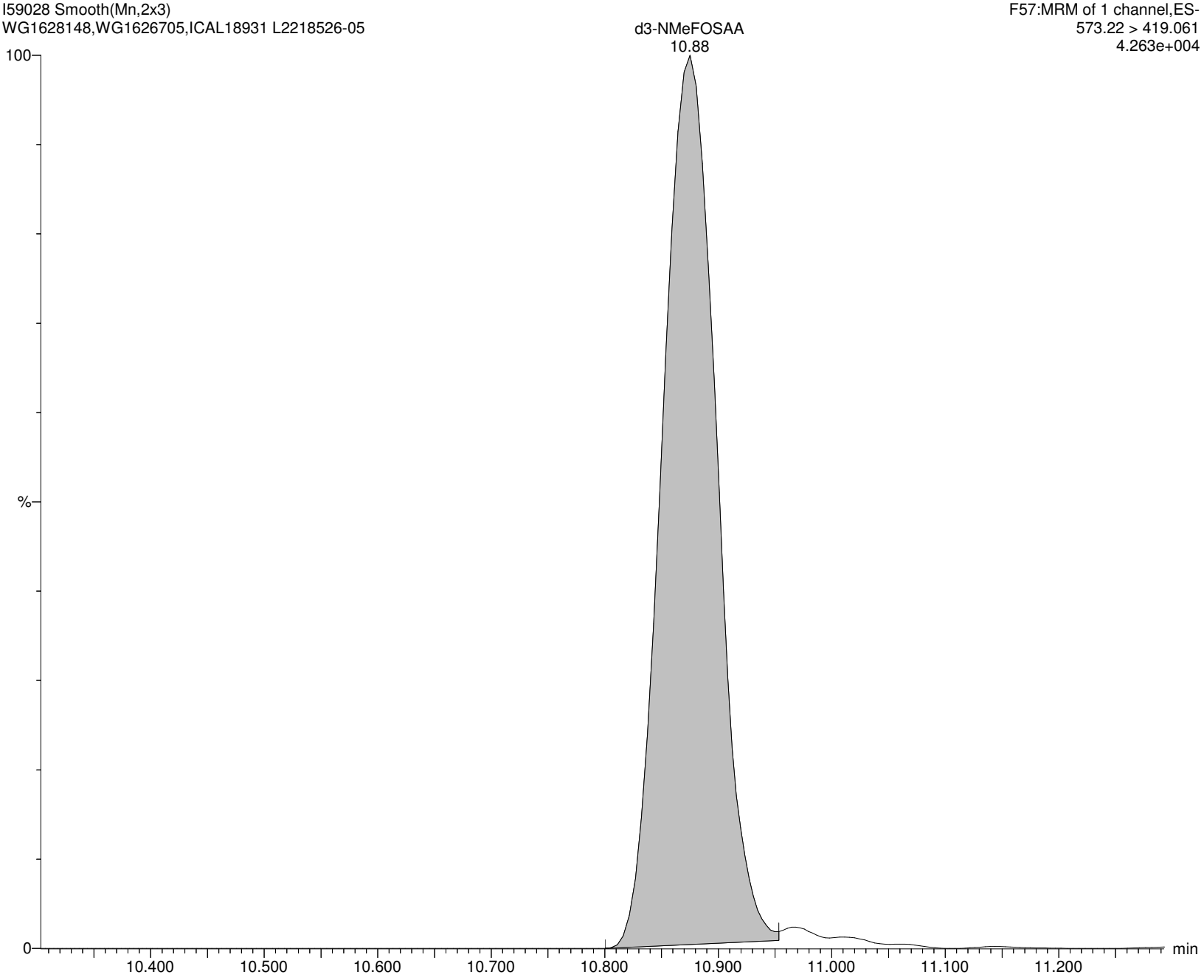


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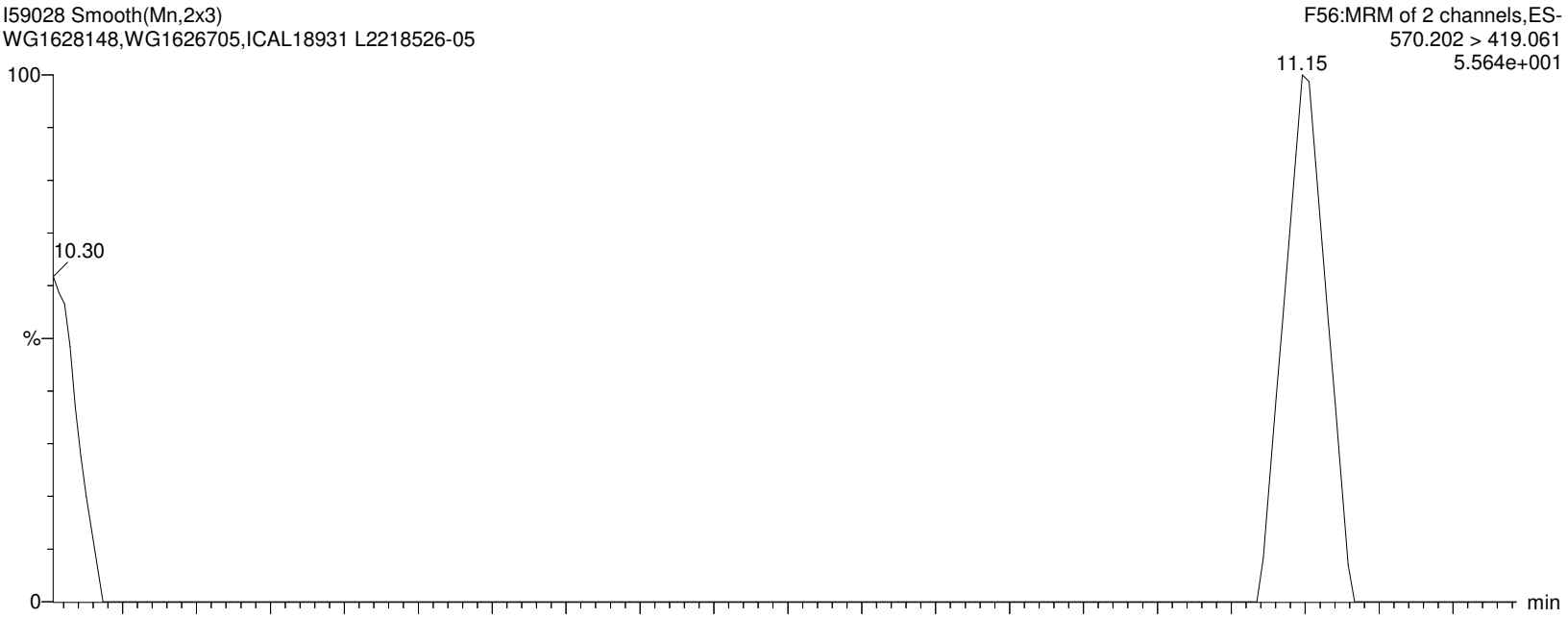


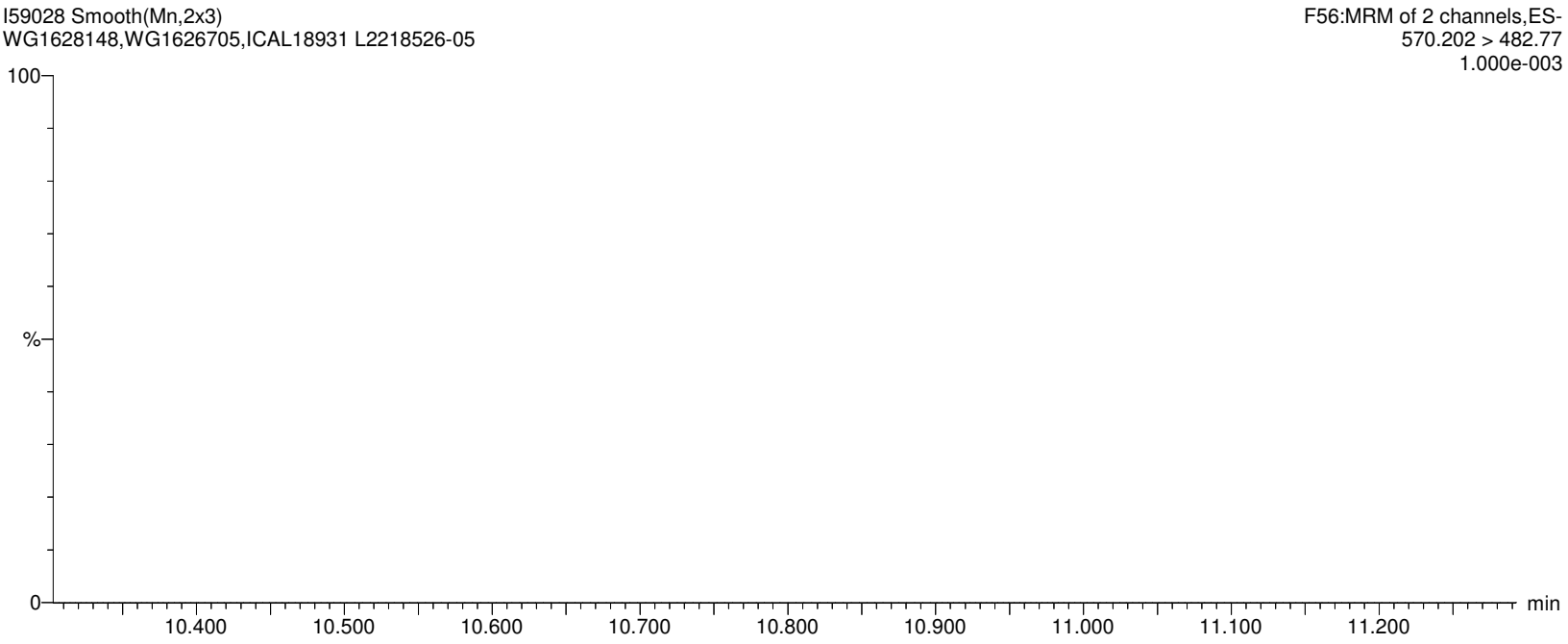
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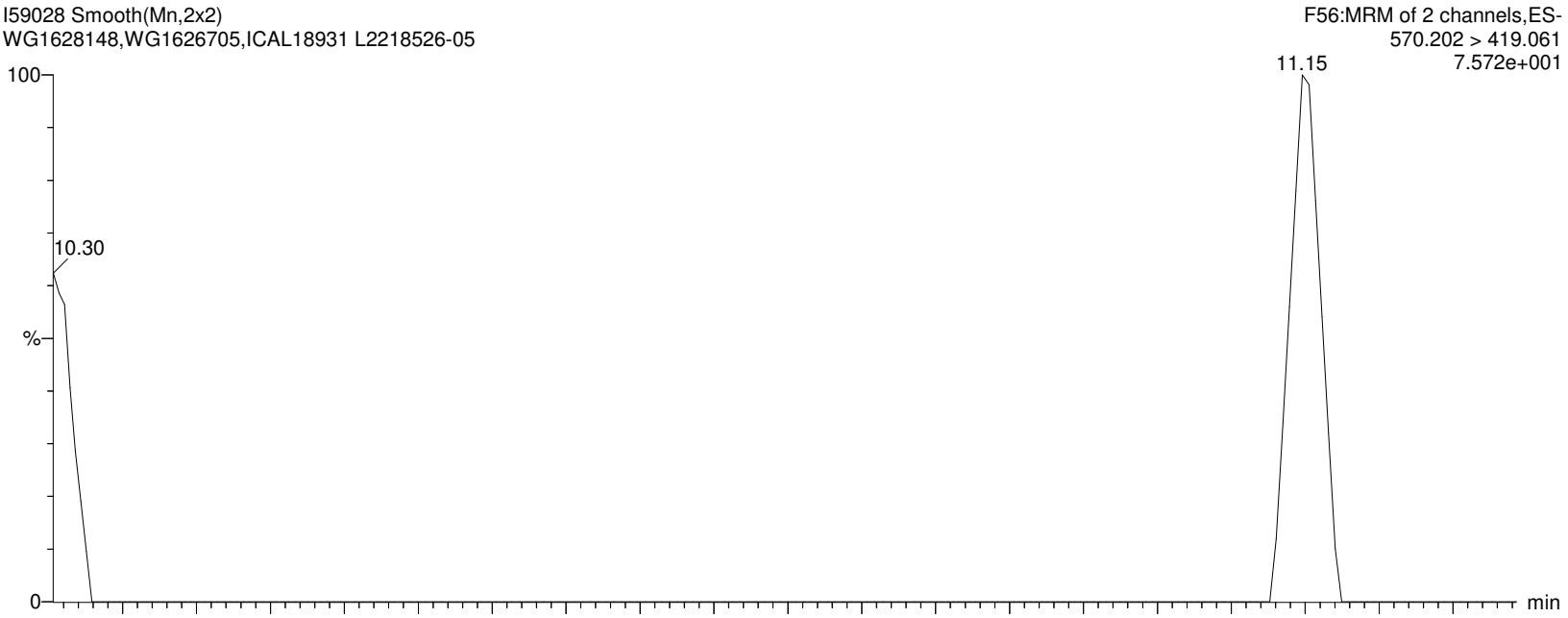


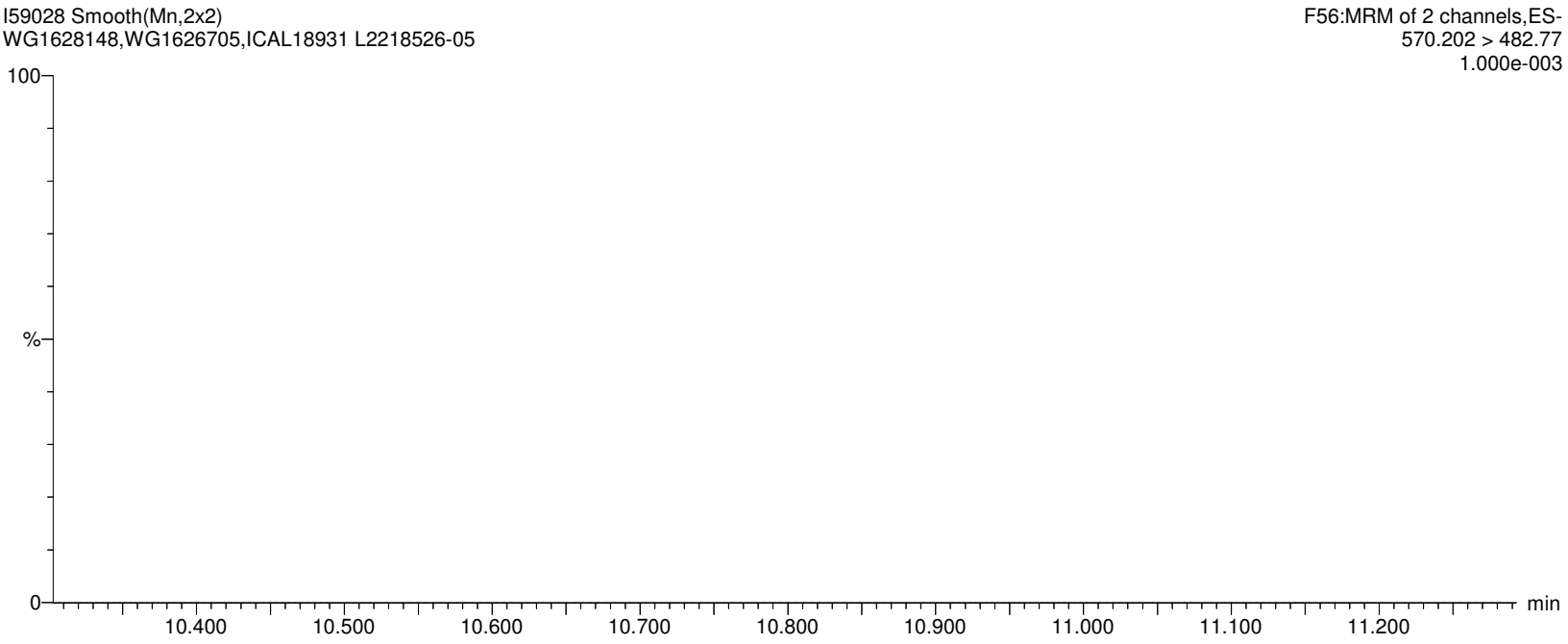
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L-NMeFOSAA



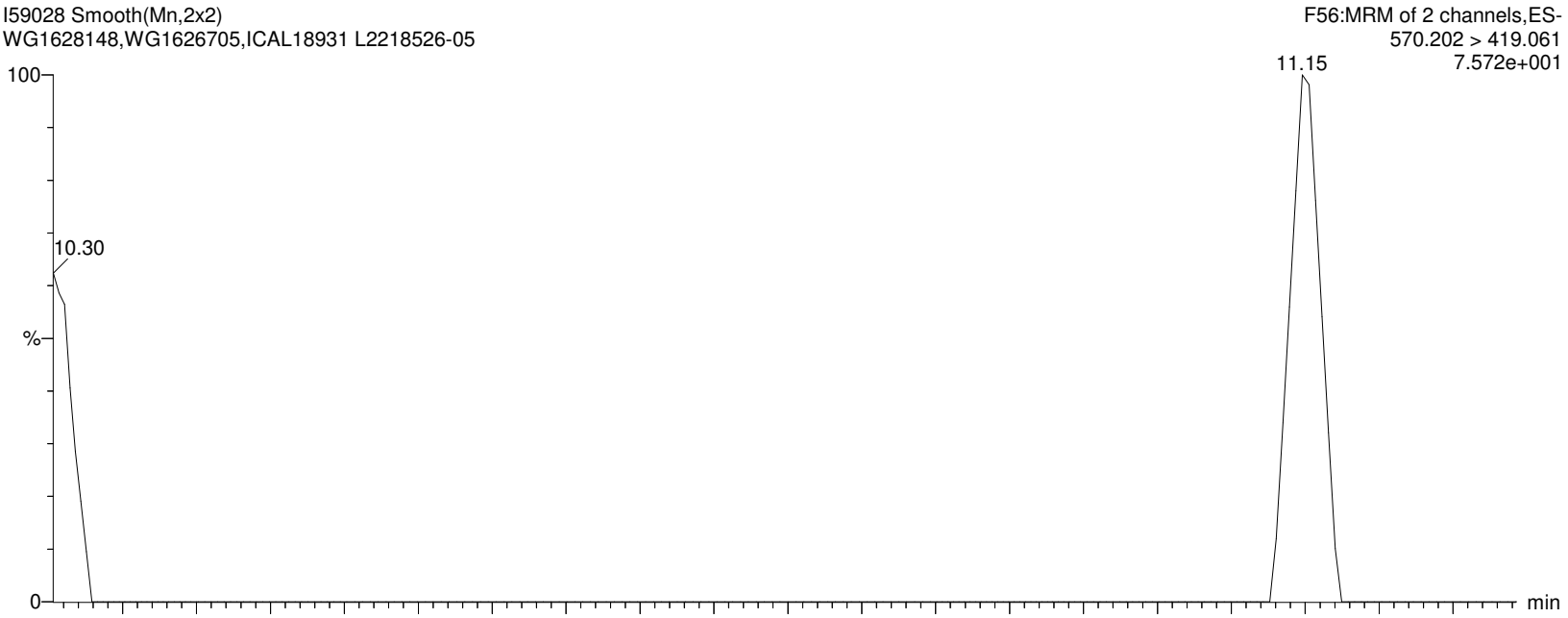


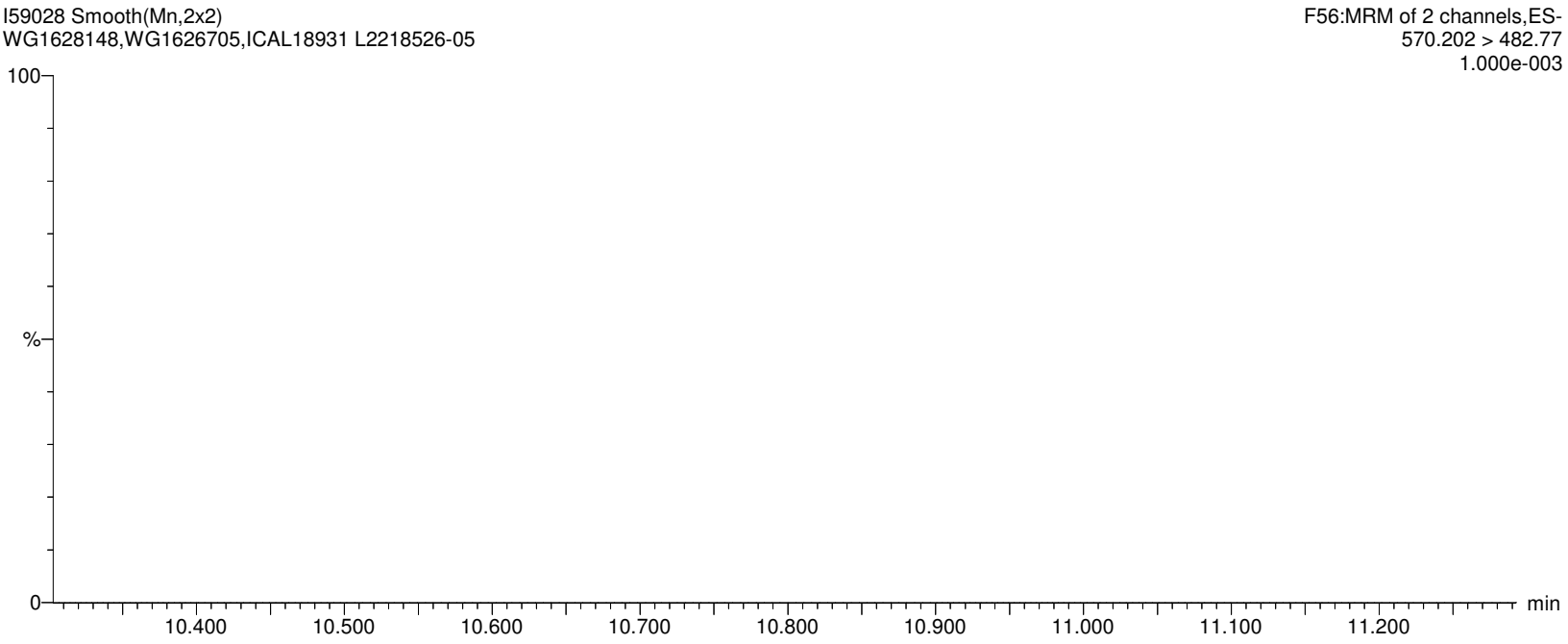
all concentration units in (ng/mL)

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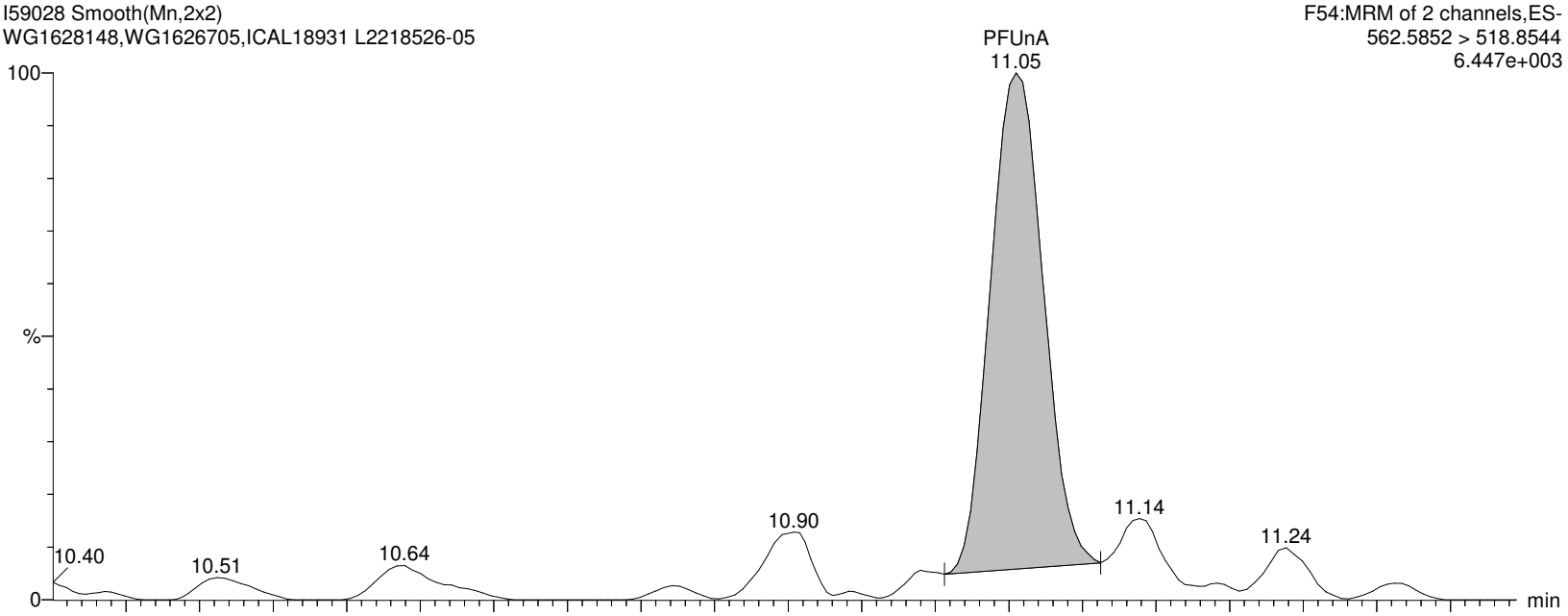


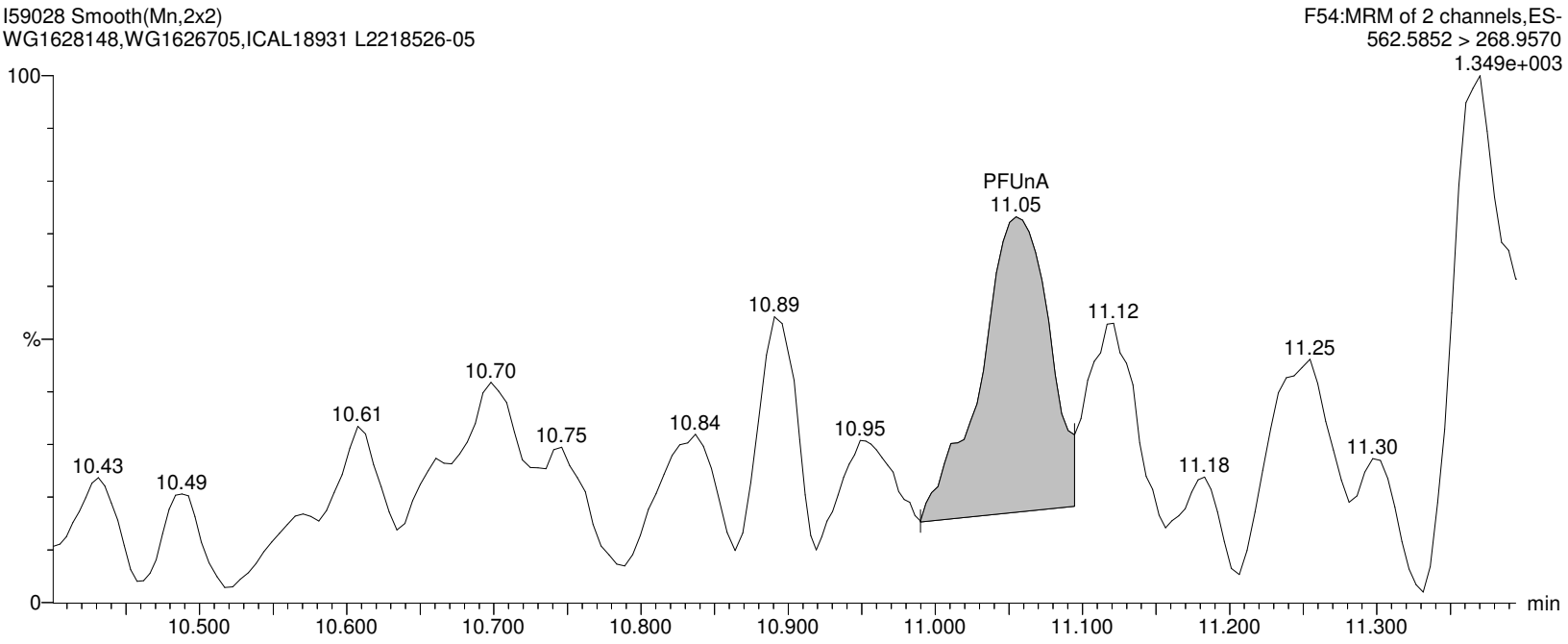
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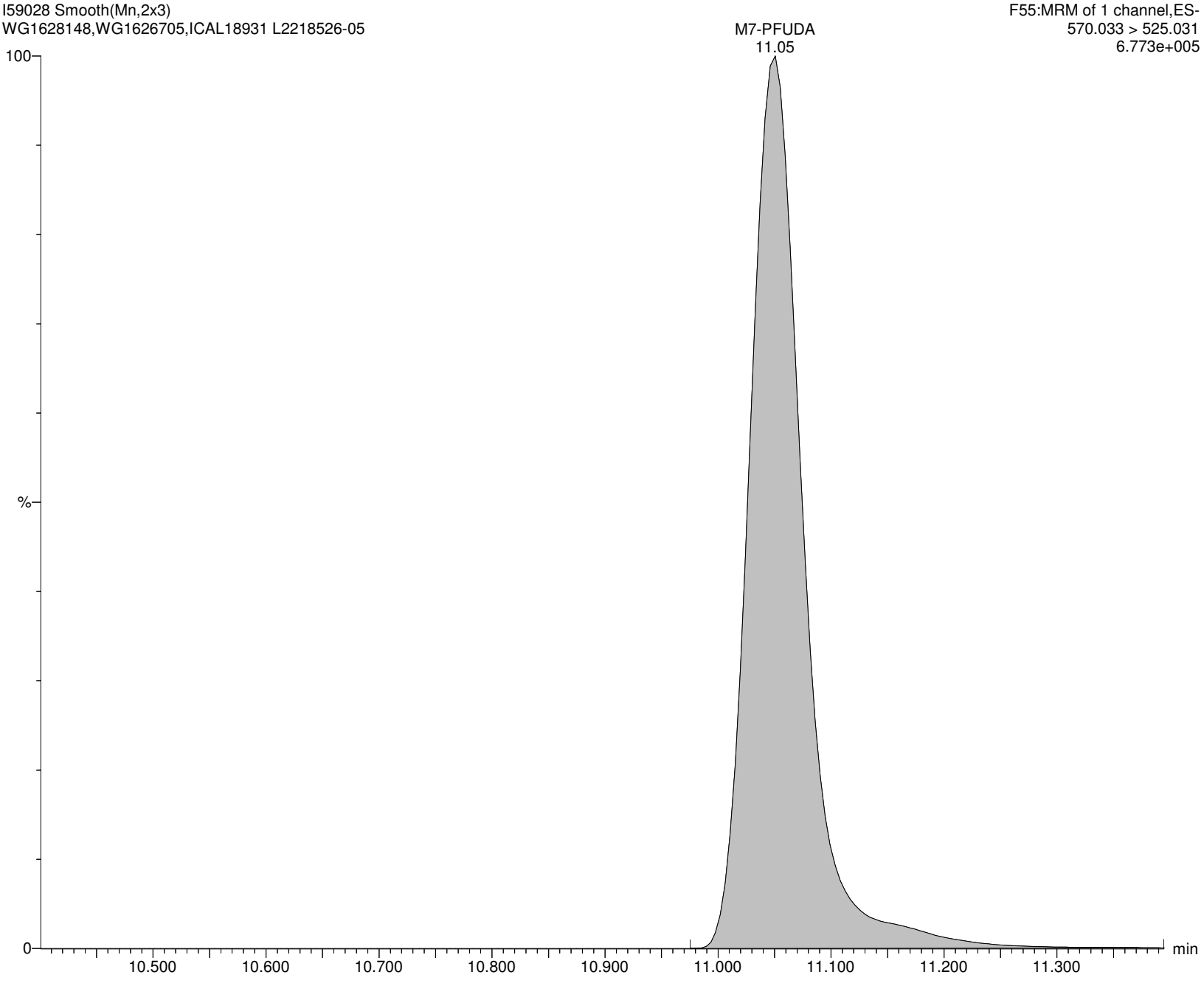


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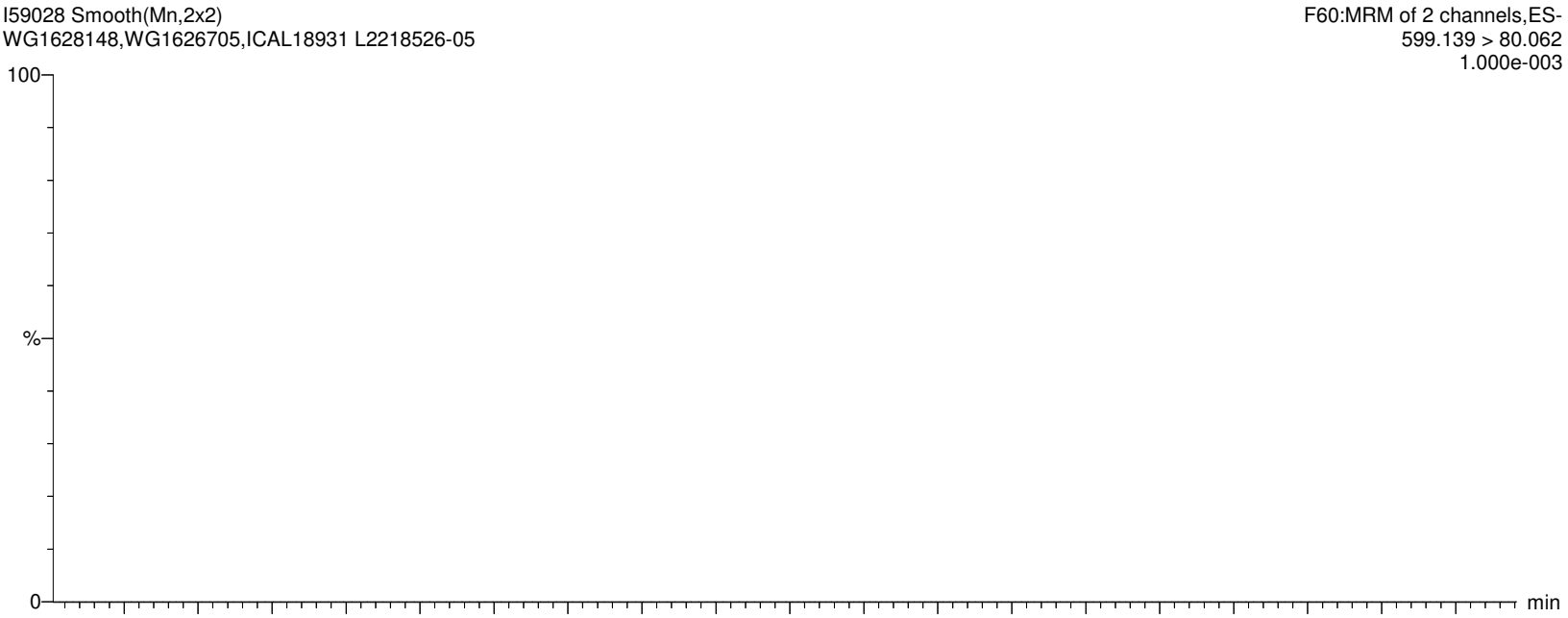


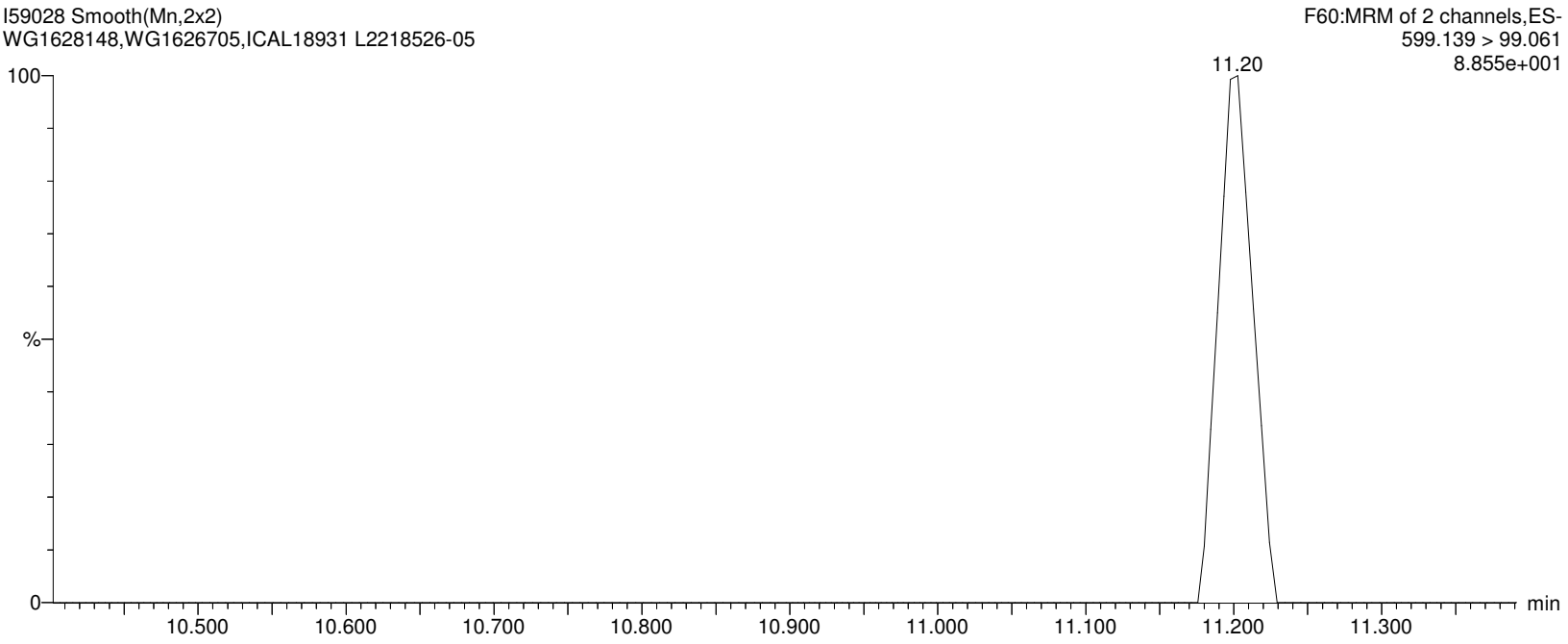
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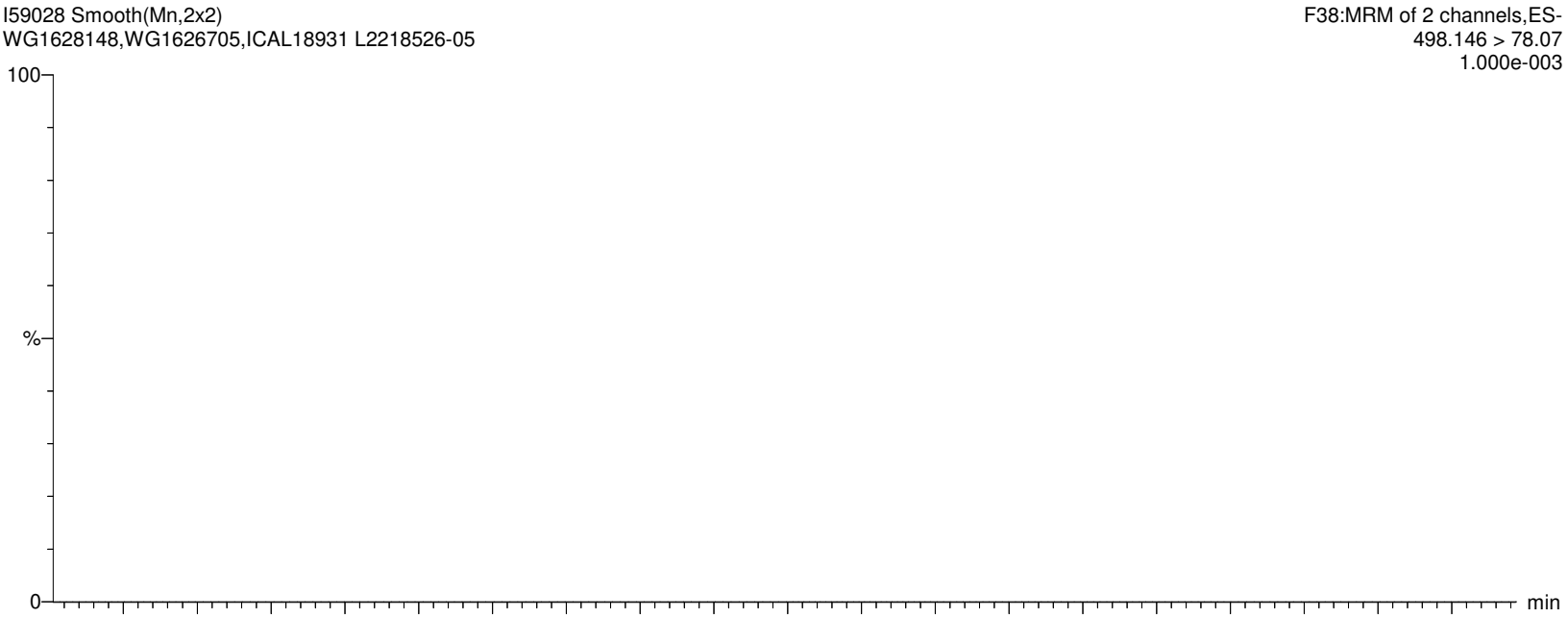


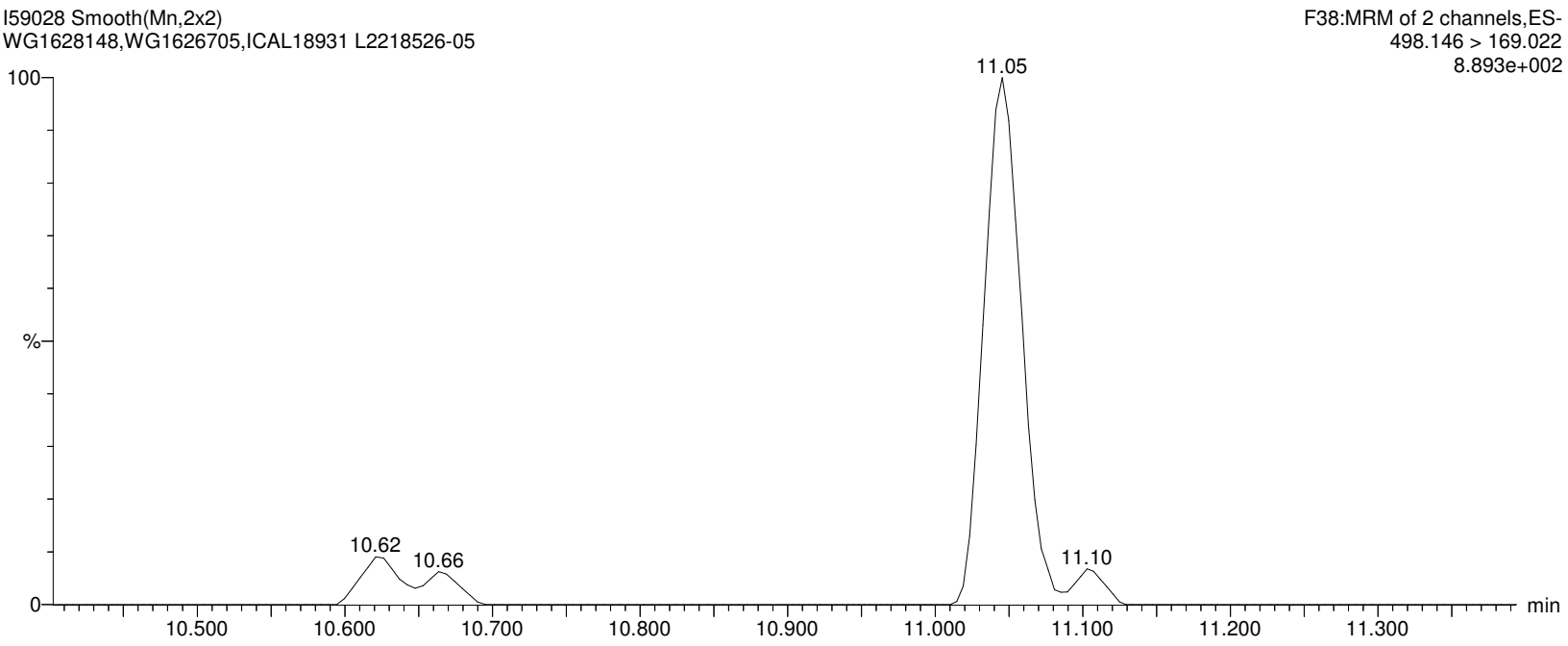
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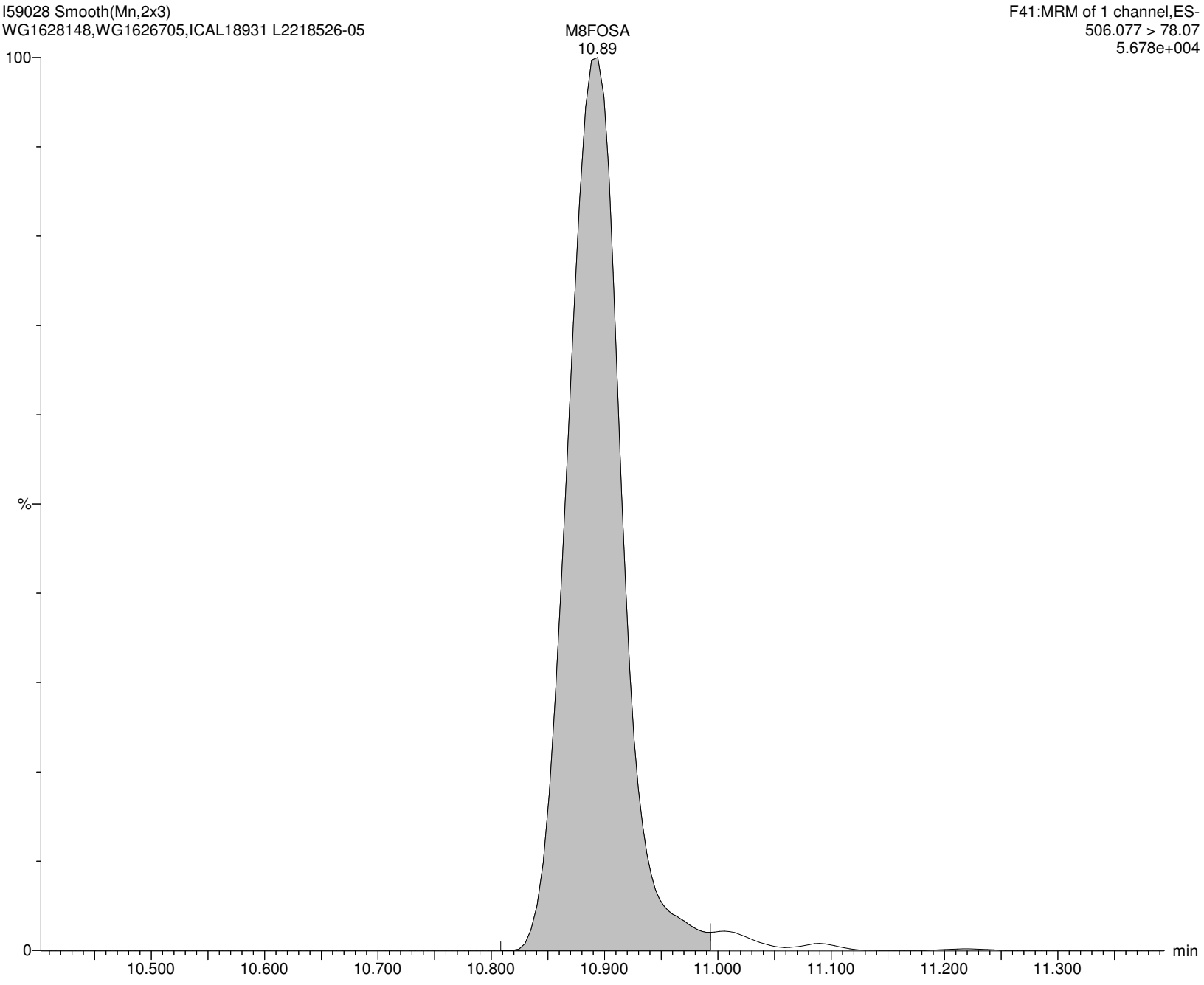


all concentration units in (ng/mL)

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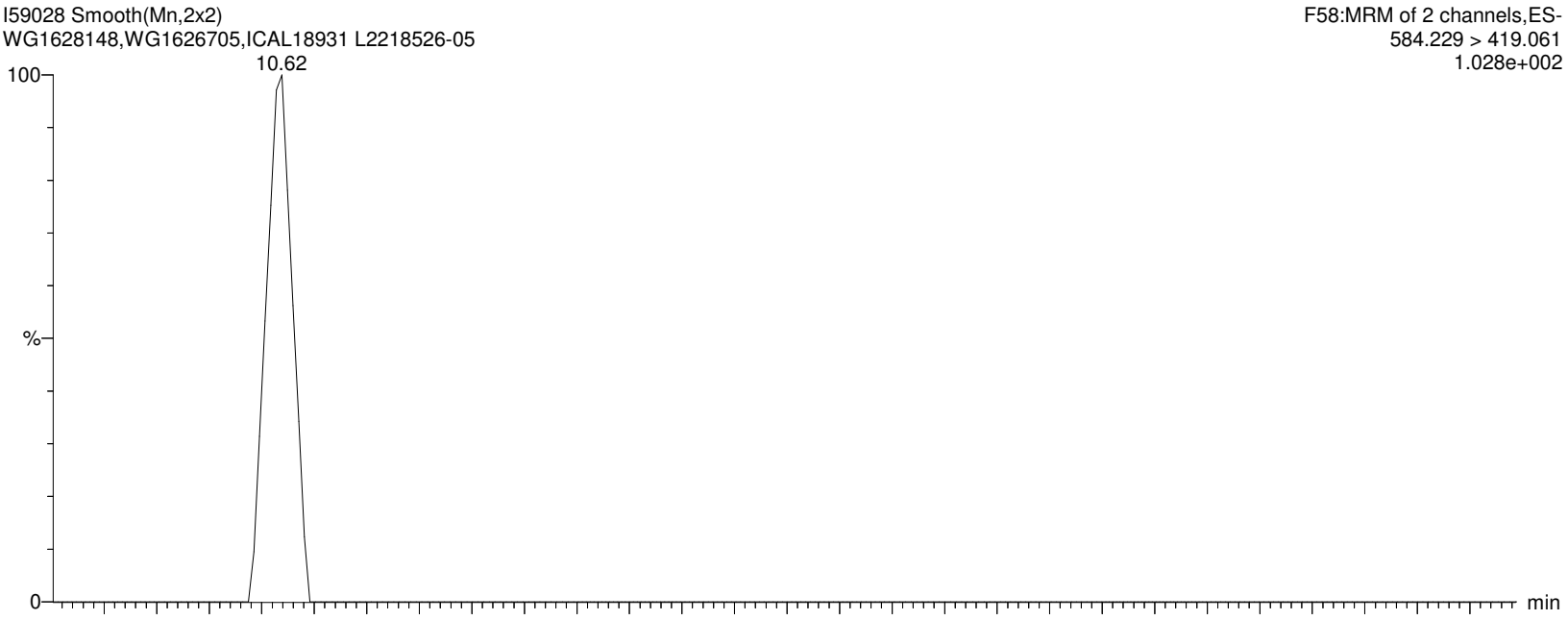


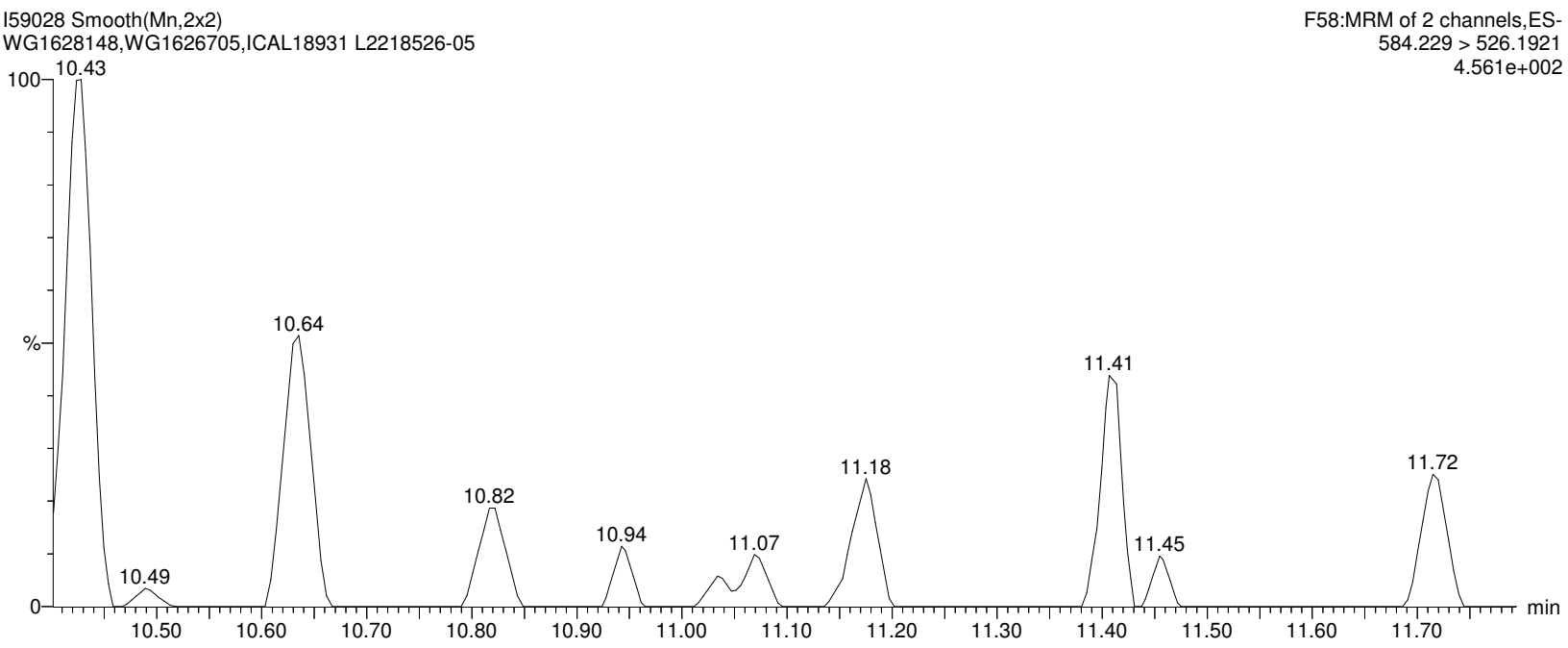
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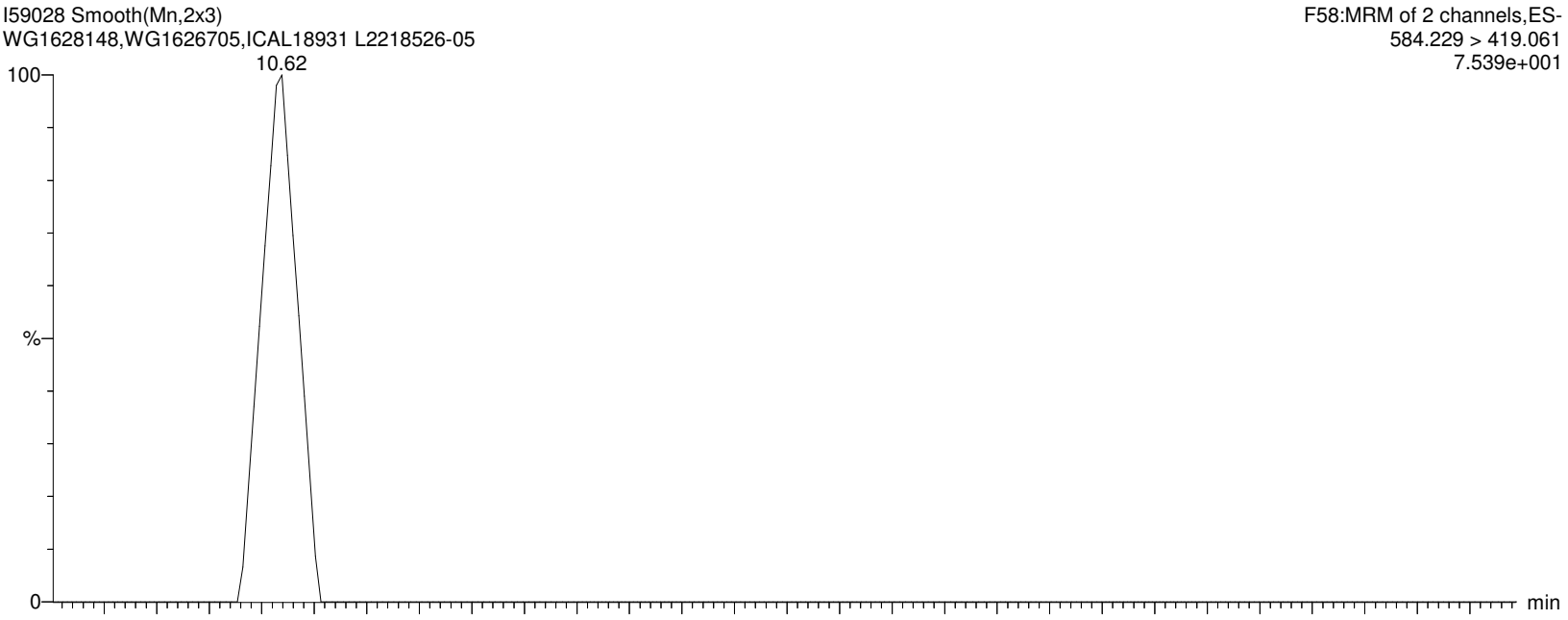


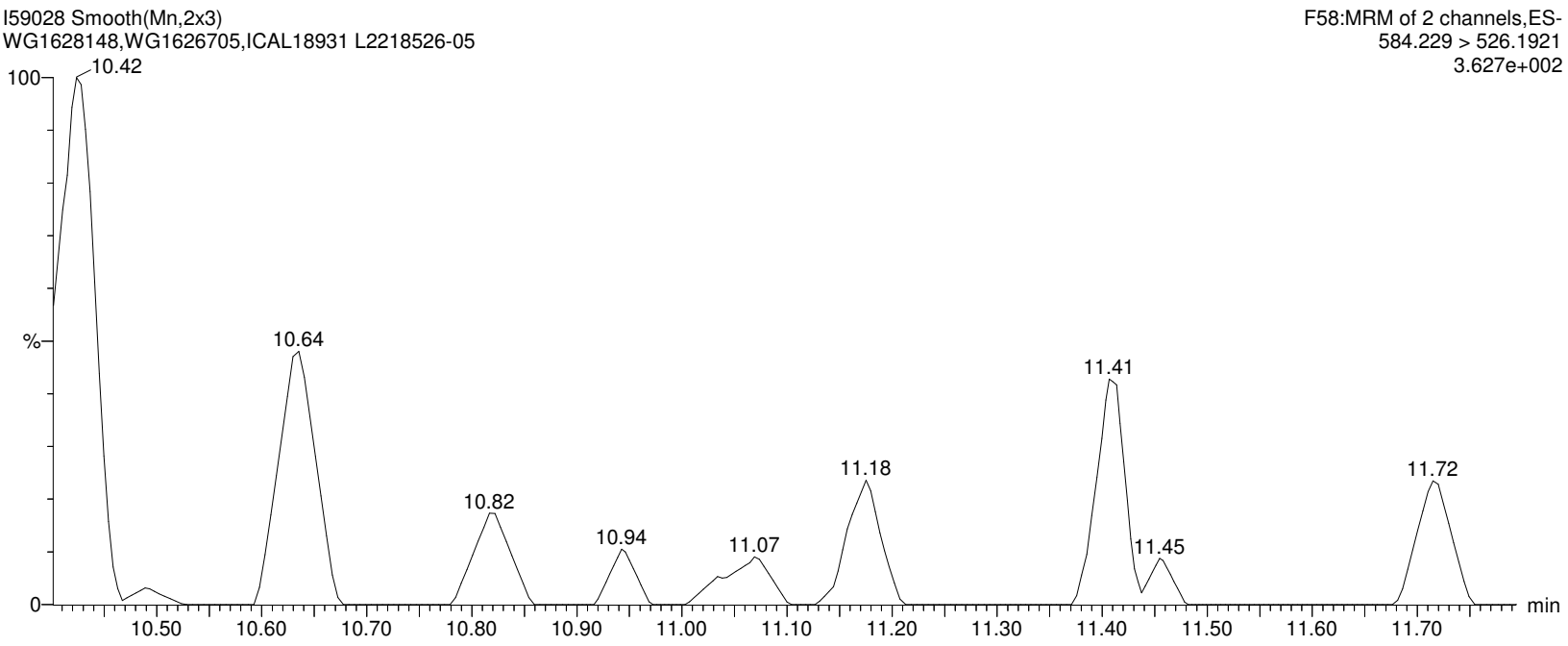
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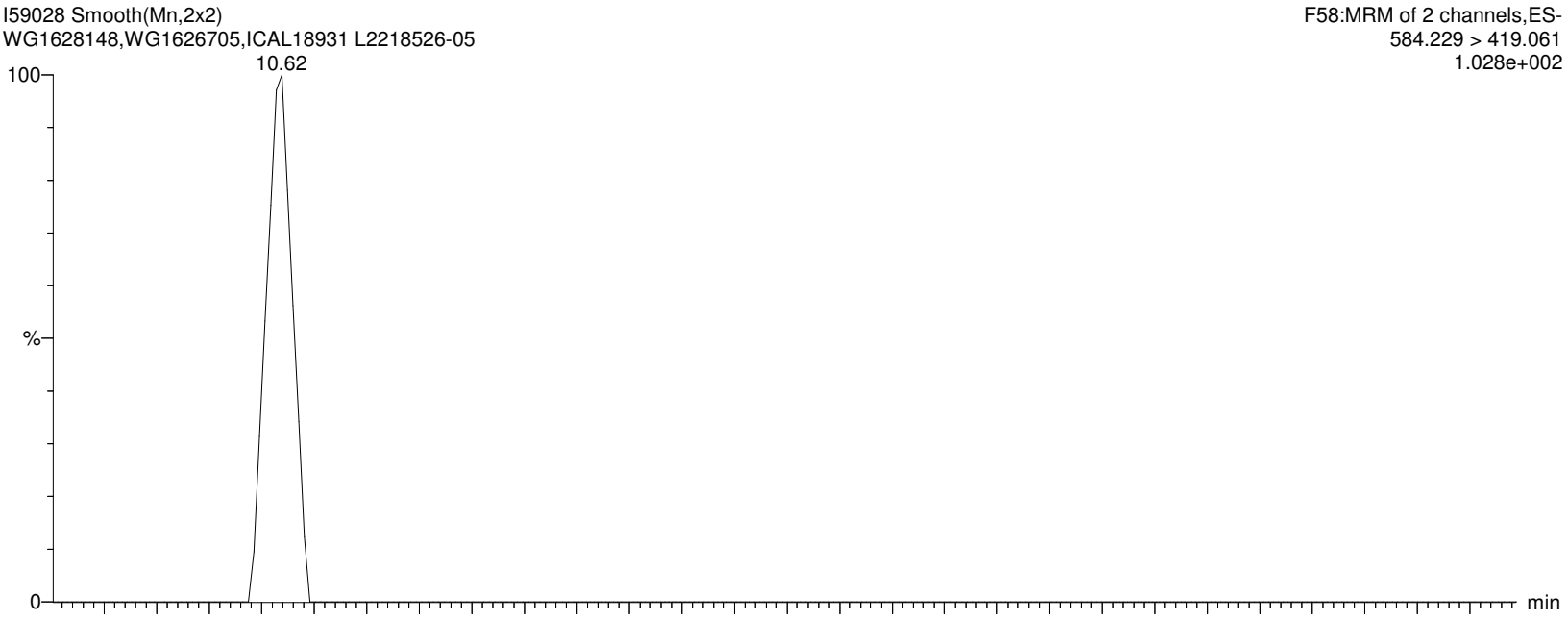


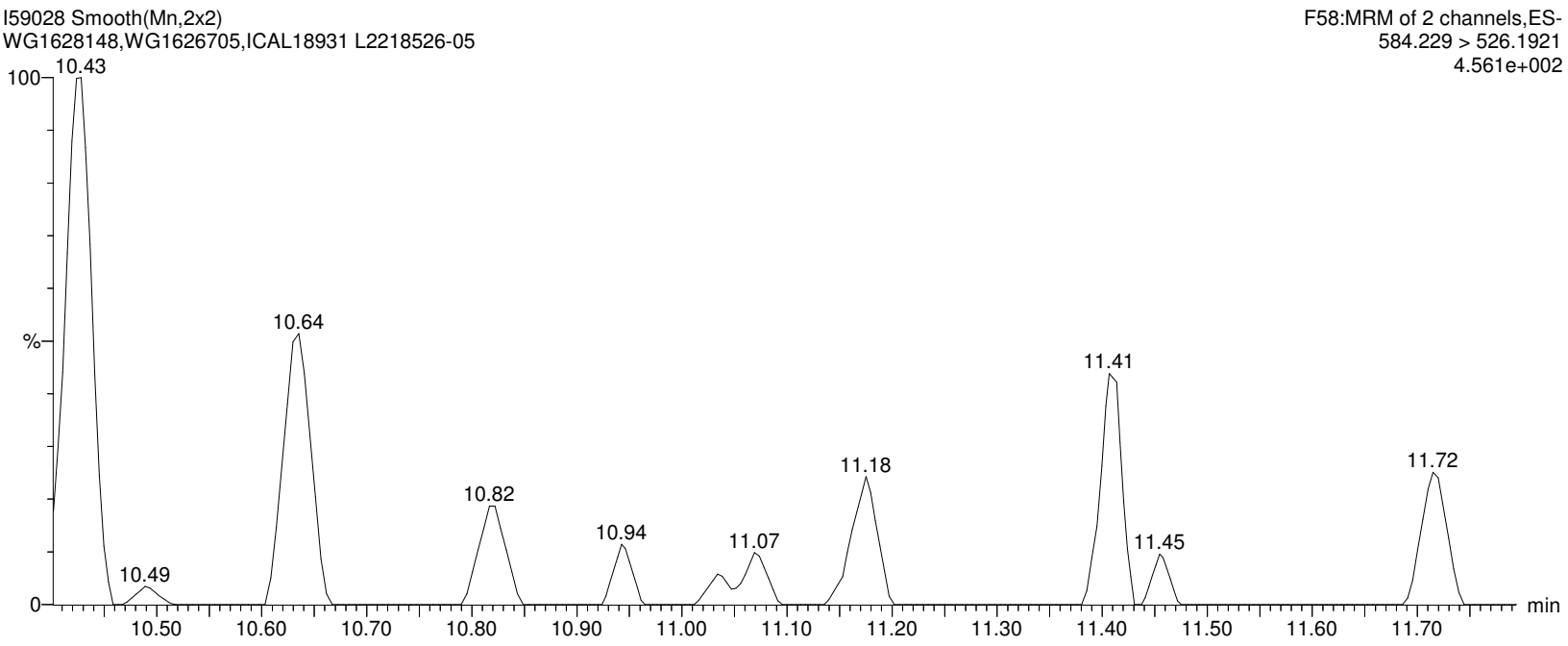
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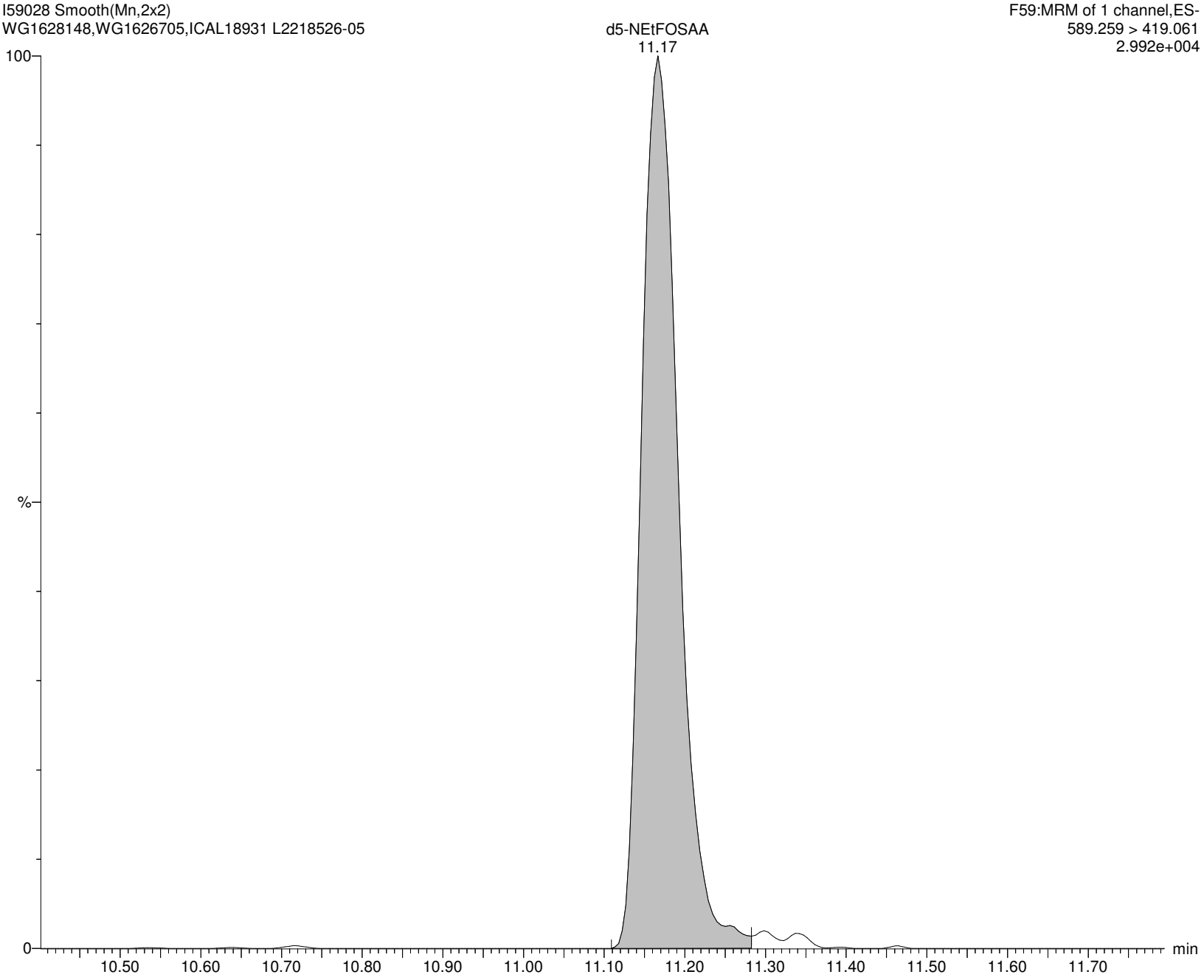


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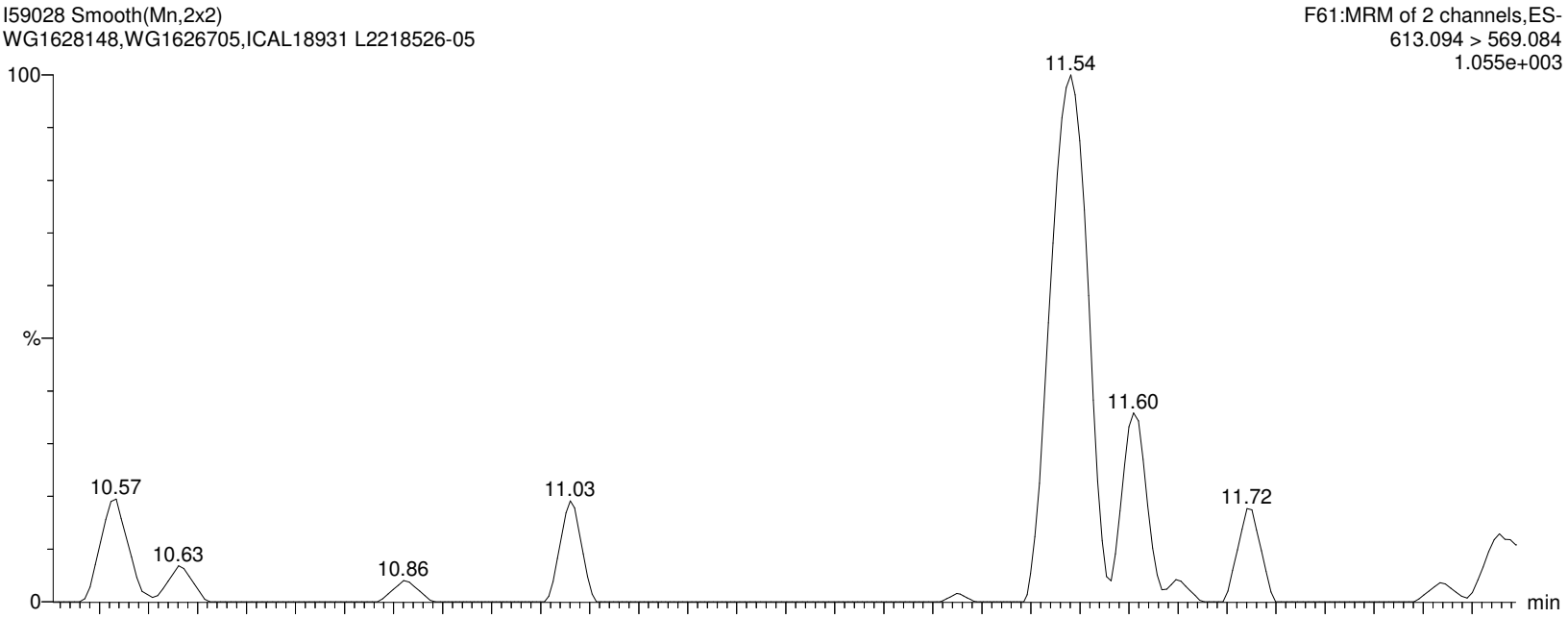


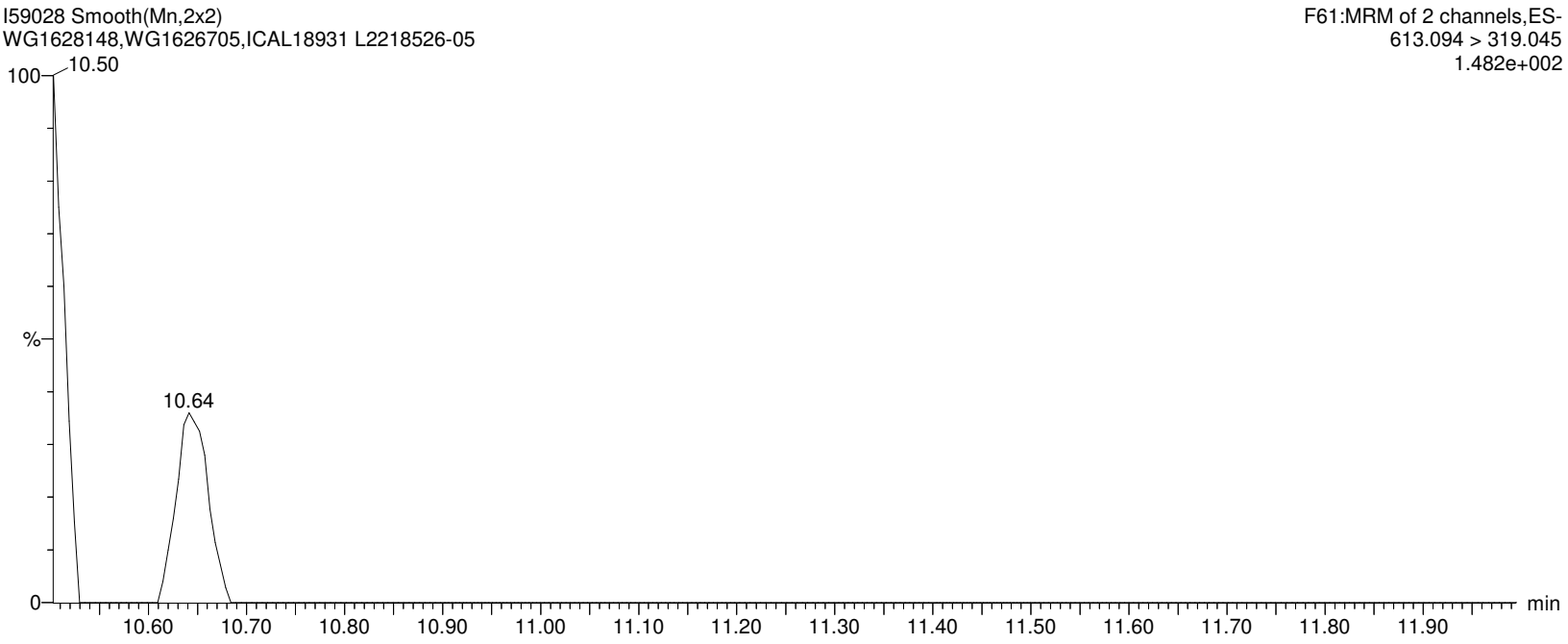
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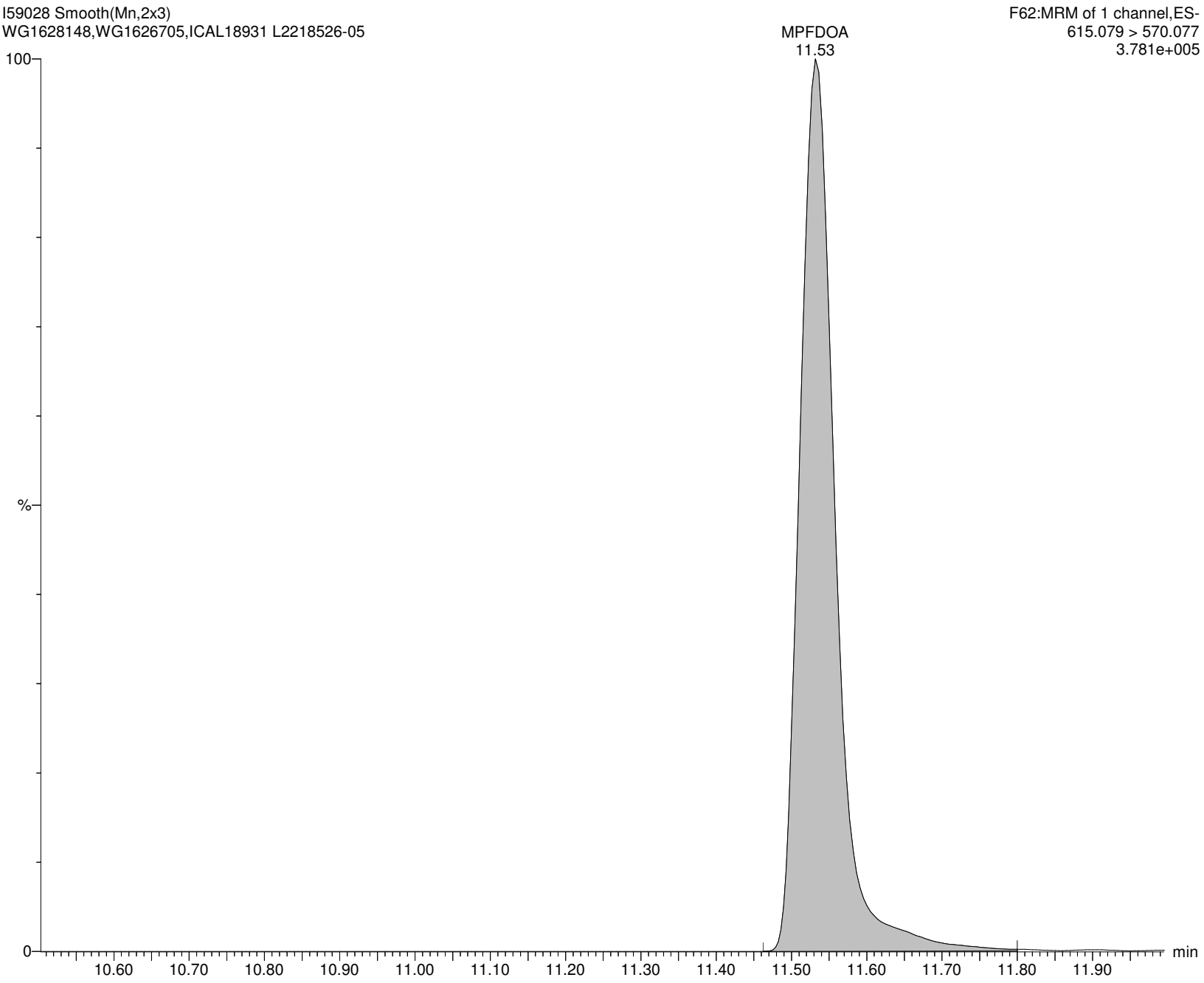


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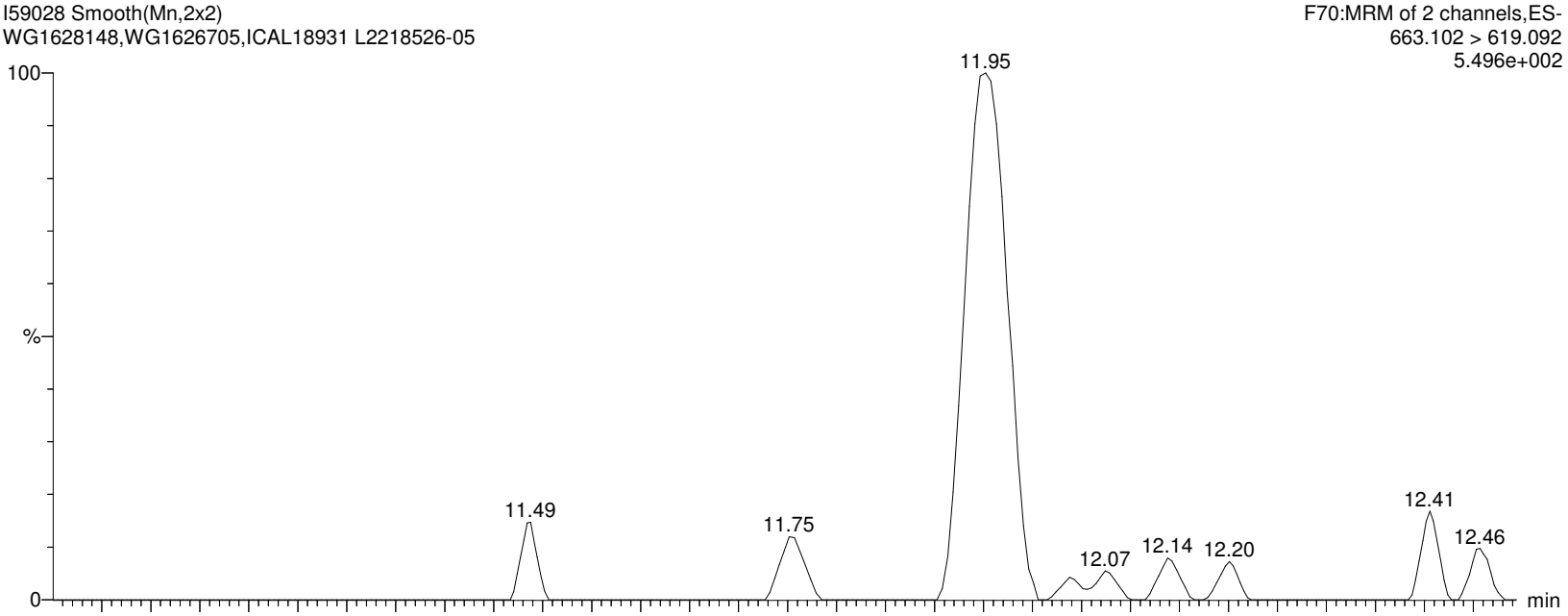


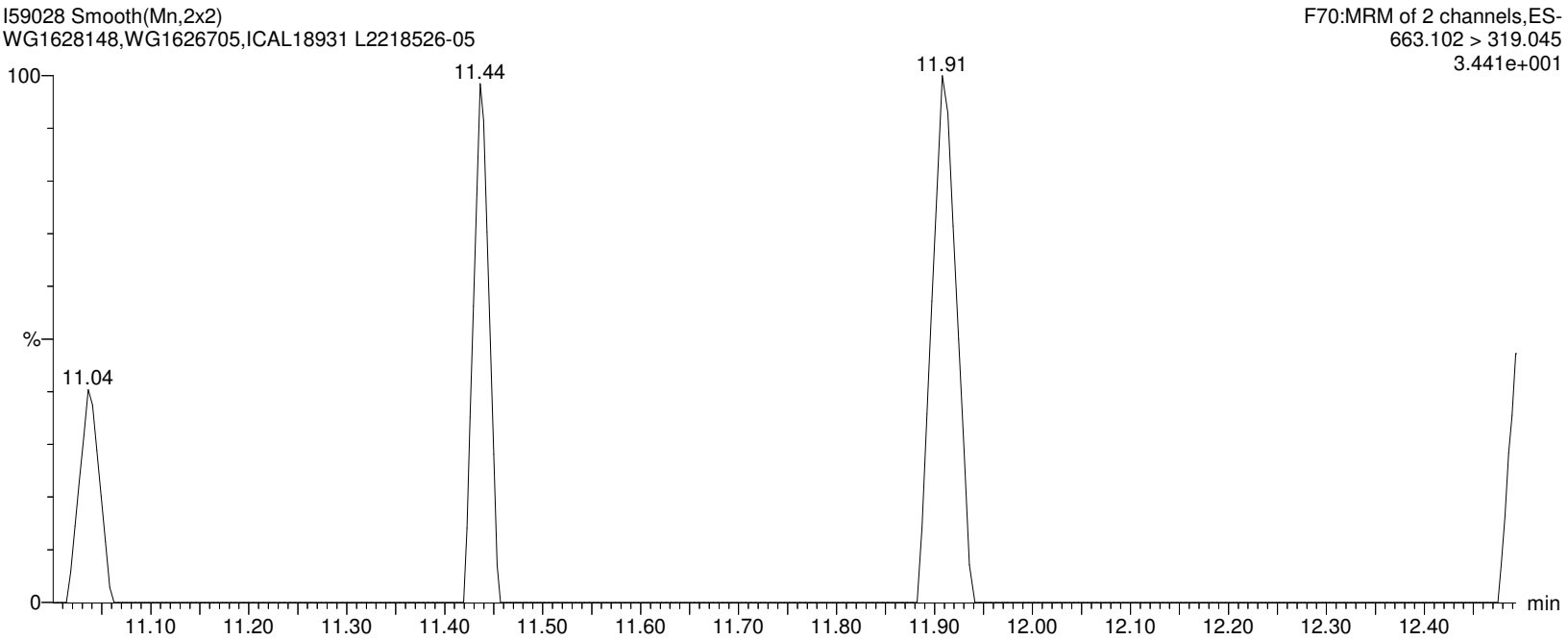
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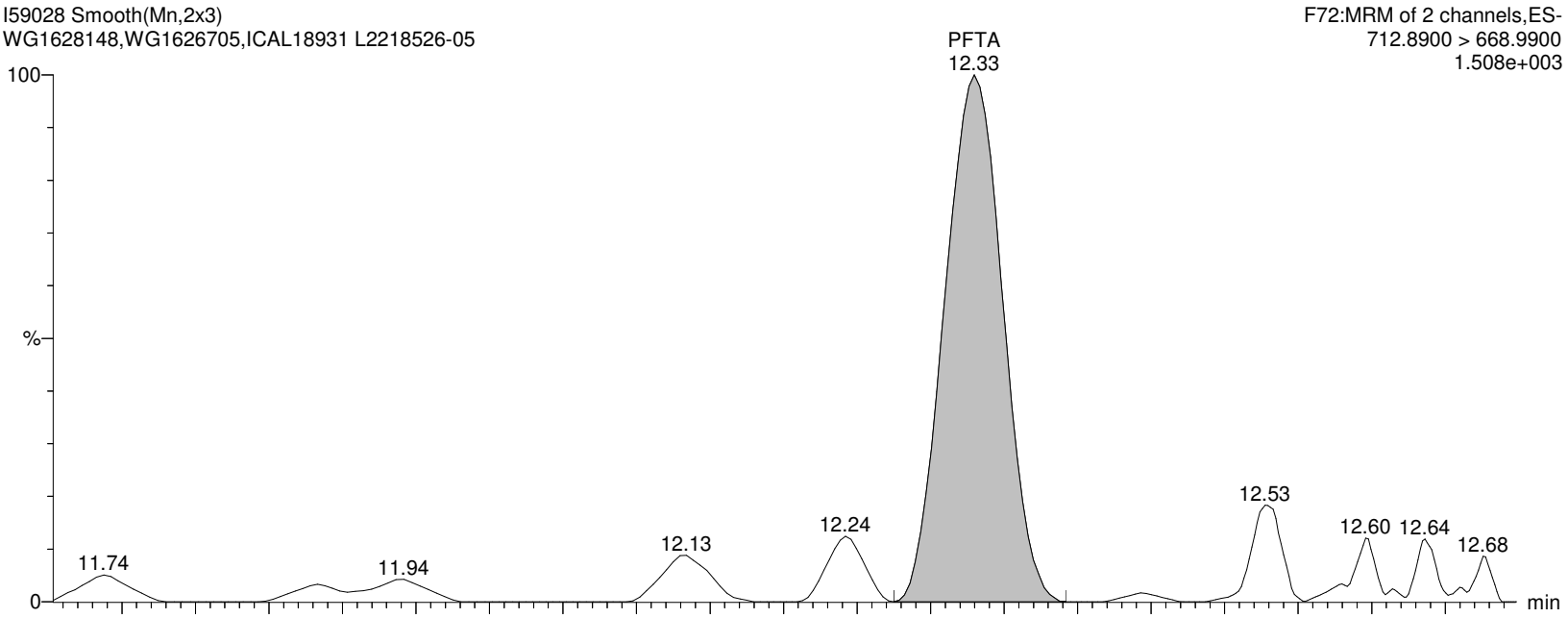


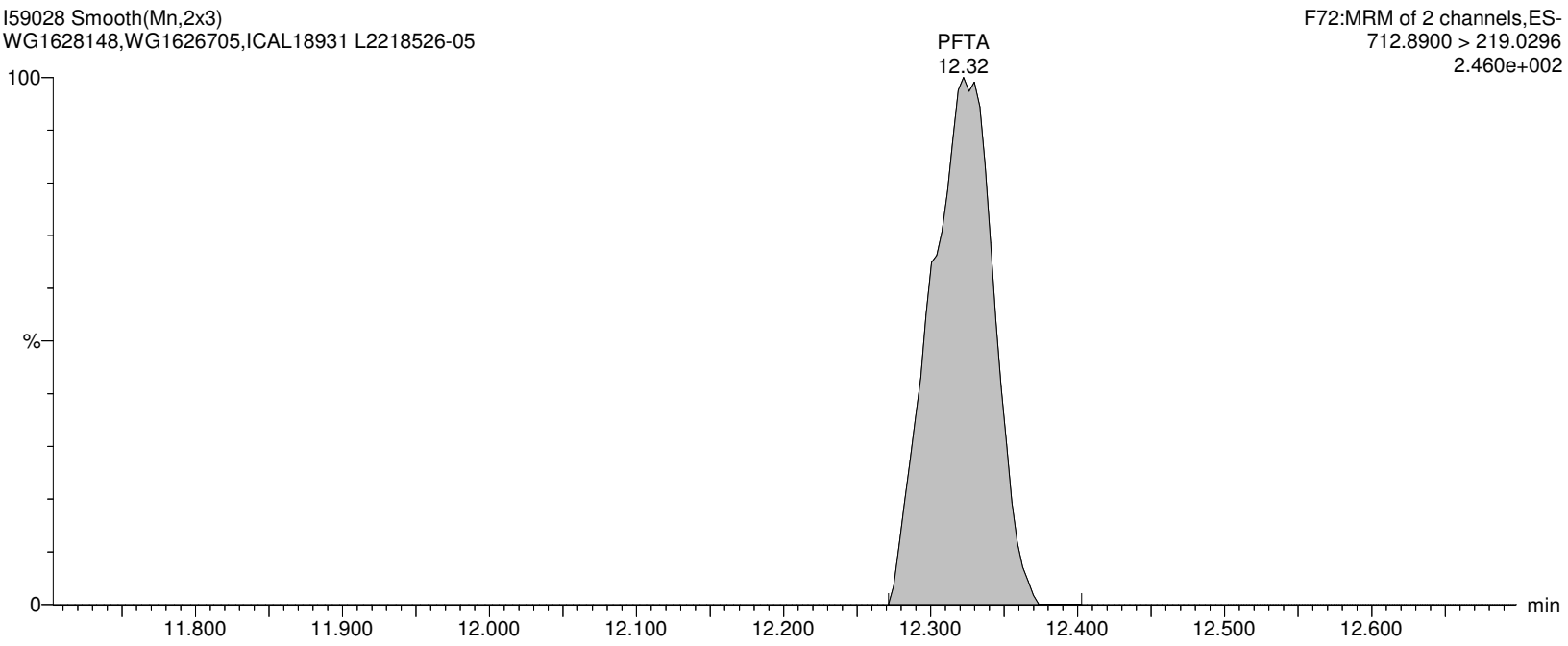
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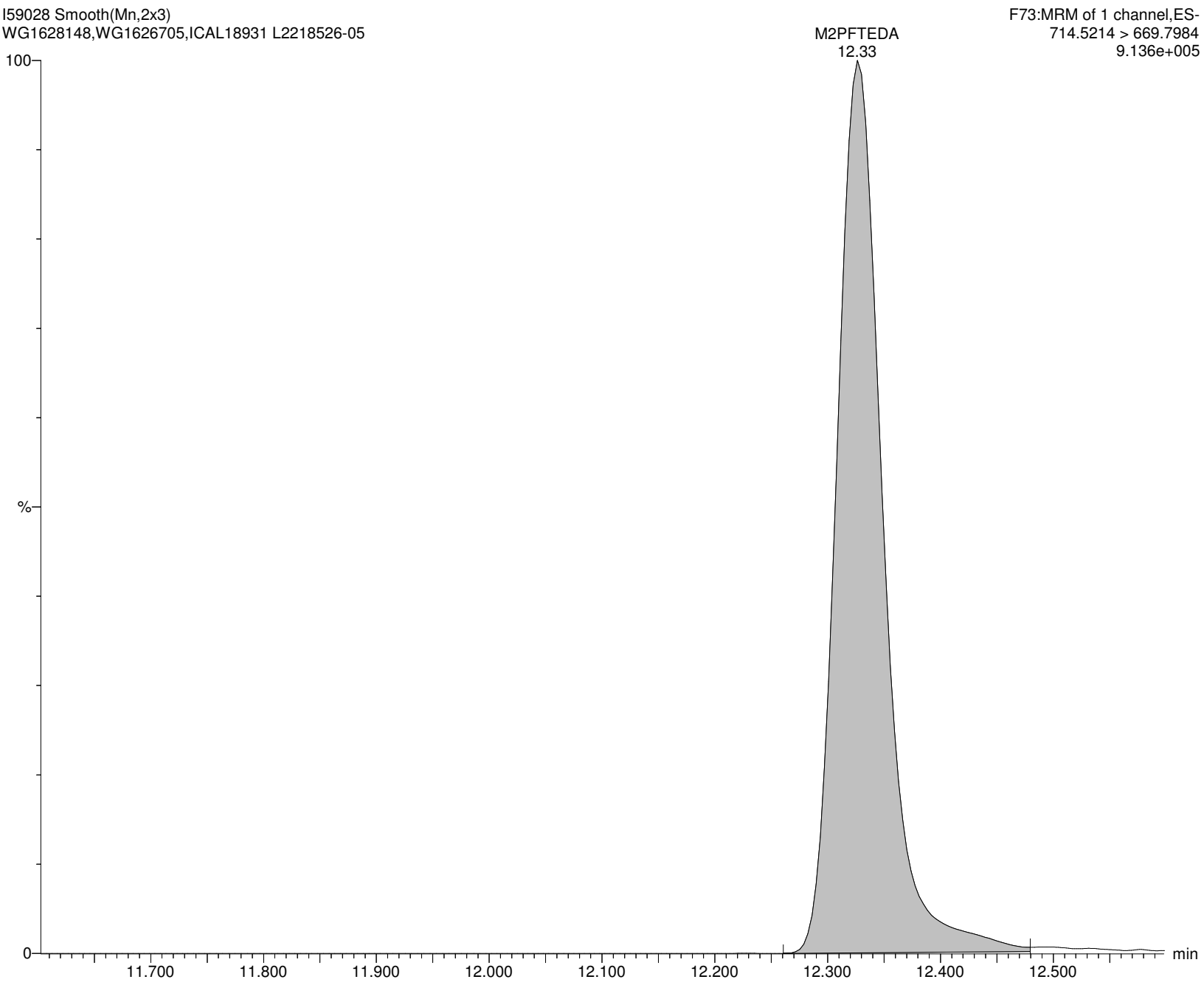


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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFTEDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:11 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: L2218526-06
Name: I59029
Date: 18-Apr-2022
Time: 01:17:55
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	2133		0.995		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	26084		10.240		na	102.4
3	MPFBA	INT STD	2.12	217.001 > 171.999	25002		8.592		na	85.9
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	2260		0.850		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	34417		9.629		na	96.3
6	PFBS	375-73-5	5.64	299.092 > 80.062	1683		1.758	2.04	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	8652		8.994		na	96.5
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	5970		13.905		na	148.2
10	PFHxA	307-24-4	6.88	313.047 > 269.037	2514	M7	0.582	17.08	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	44397		7.431		na	74.3
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	72	M4,M7	0.077	3.68	YES	
13	PFHpA	375-85-9	8.16	363.055 > 319.045	3582		0.592	5.77	NO	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	60190		8.419		na	84.2
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	51	M5,M7	0.073	1.43	NO	
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	243		0.300	1.42	NO	
17	PFHxS	355-46-4		399.107 > 80.062	294		0.373		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	8702		9.646		na	101.8
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	1941	M5,M7	0.228	2.39	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	28216		3.315	9.48	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	30157		3.543		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	86479		8.966		na	89.7
23	M2PFOA	INT STD	9.11	414.828 > 369.935	89166		13.673		na	136.7
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	75		0.203	2.39	NO	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	3551		9.200		na	96.7
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	1339		0.212	3.72	NO	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	74306		8.250		na	82.5
29	br-PFOS	1763-23-1	9.67	498.9030 > 79.9520	1520	M5,M7	1.201	4.69	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	1784		1.804	1.97	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	3304		3.004		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	9174		14.063		na	140.6
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	11036		9.352		na	97.5
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	186	M7	0.027	9.46	NO	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	76350		14.223		na	142.2
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	73829		8.106		na	81.1
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	1850		7.192		na	74.9
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

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Printed: Tuesday, April 19, 2022 19:03:11 Eastern Daylight Time

ID: L2218526-06
Name: I59029
Date: 18-Apr-2022
Time: 01:17:55
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	2913		7.727		na	77.3
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	42841		7.907		na	79.1
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	3359		1.320		na	13.2
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	2315		7.360		na	73.6
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	25322		7.356		na	73.6
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.34	712.8900 > 668.9900	62	M4,M7	0.017	70.87	YES	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	53806		7.401		na	74.0

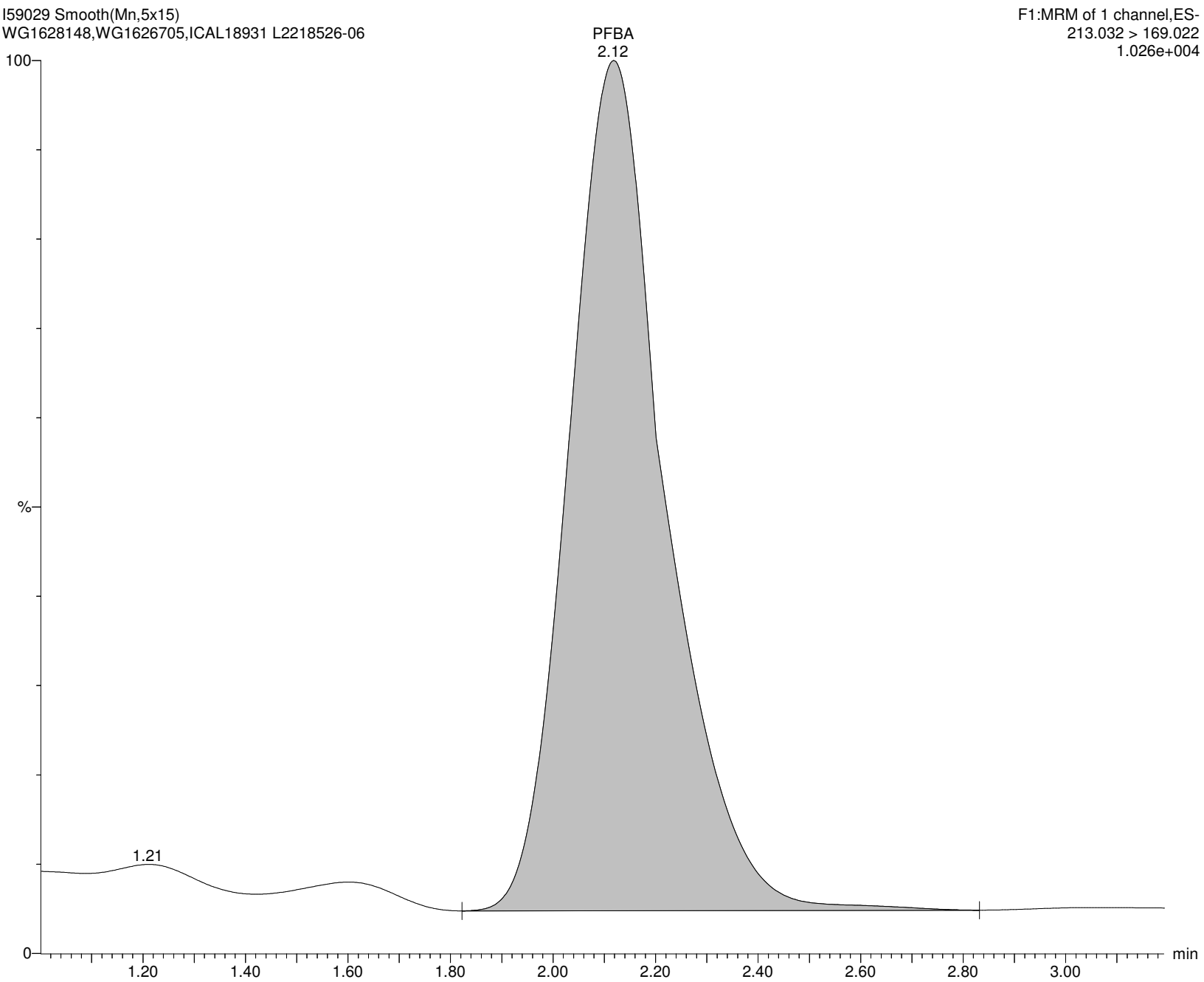
all concentration units in (ng/mL)

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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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User: LCMS02:SG
Vial: 1:D,6
Instrument: XEVO-TQSmicro#QEB0050
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PFBA

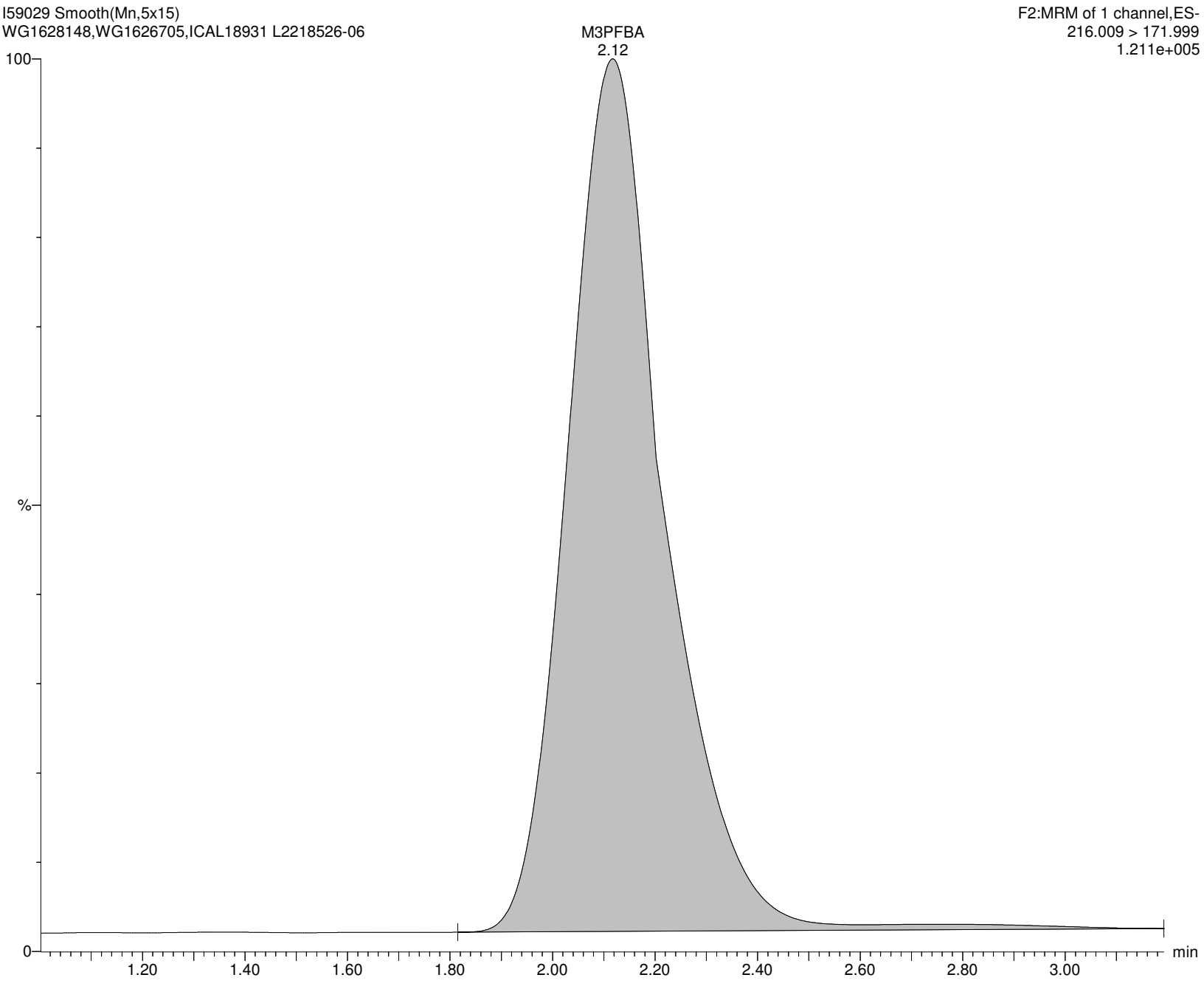


all concentration units in (ng/mL)

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M3PFBA

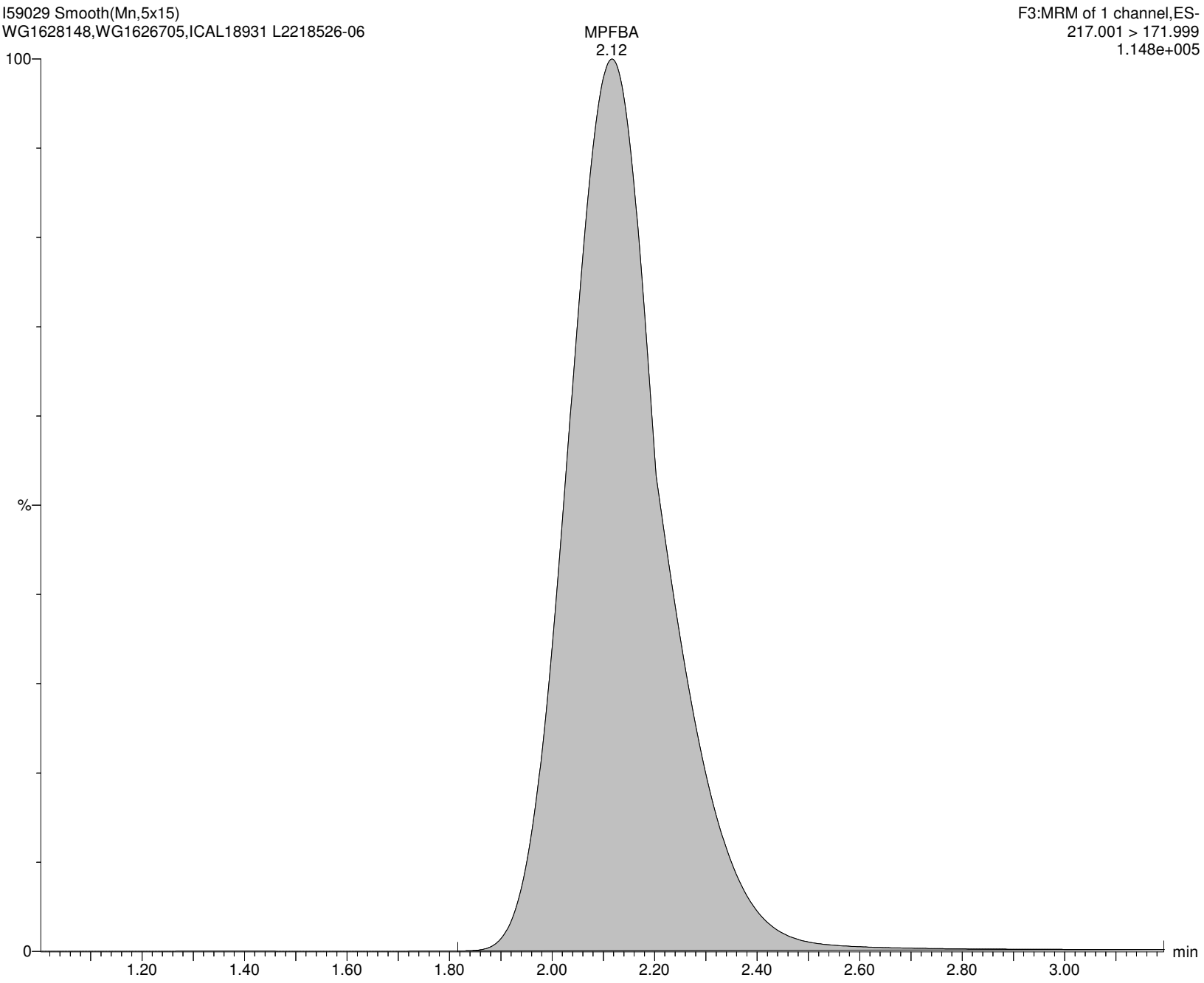


all concentration units in (ng/mL)

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MPFBA

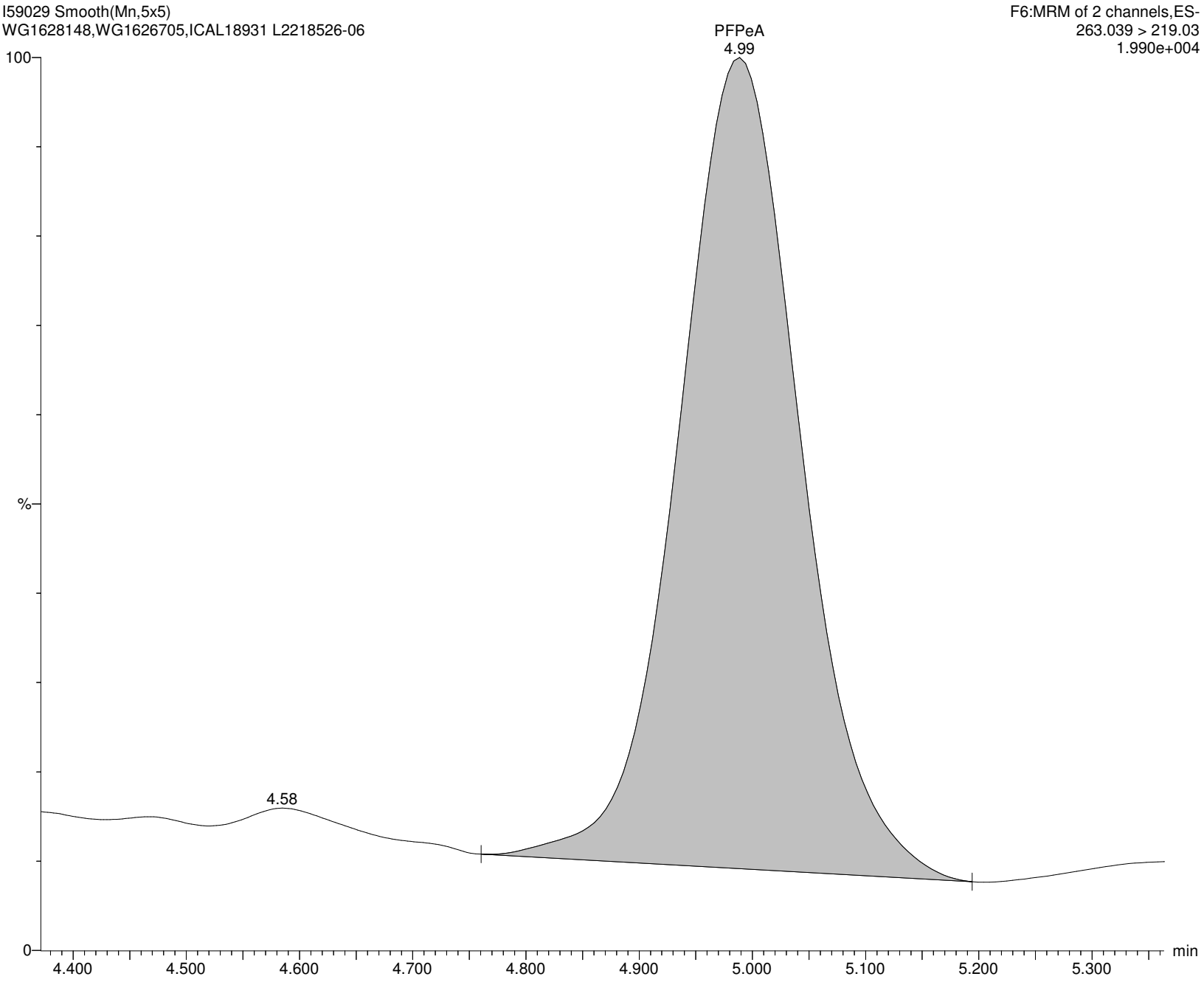


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFPeA

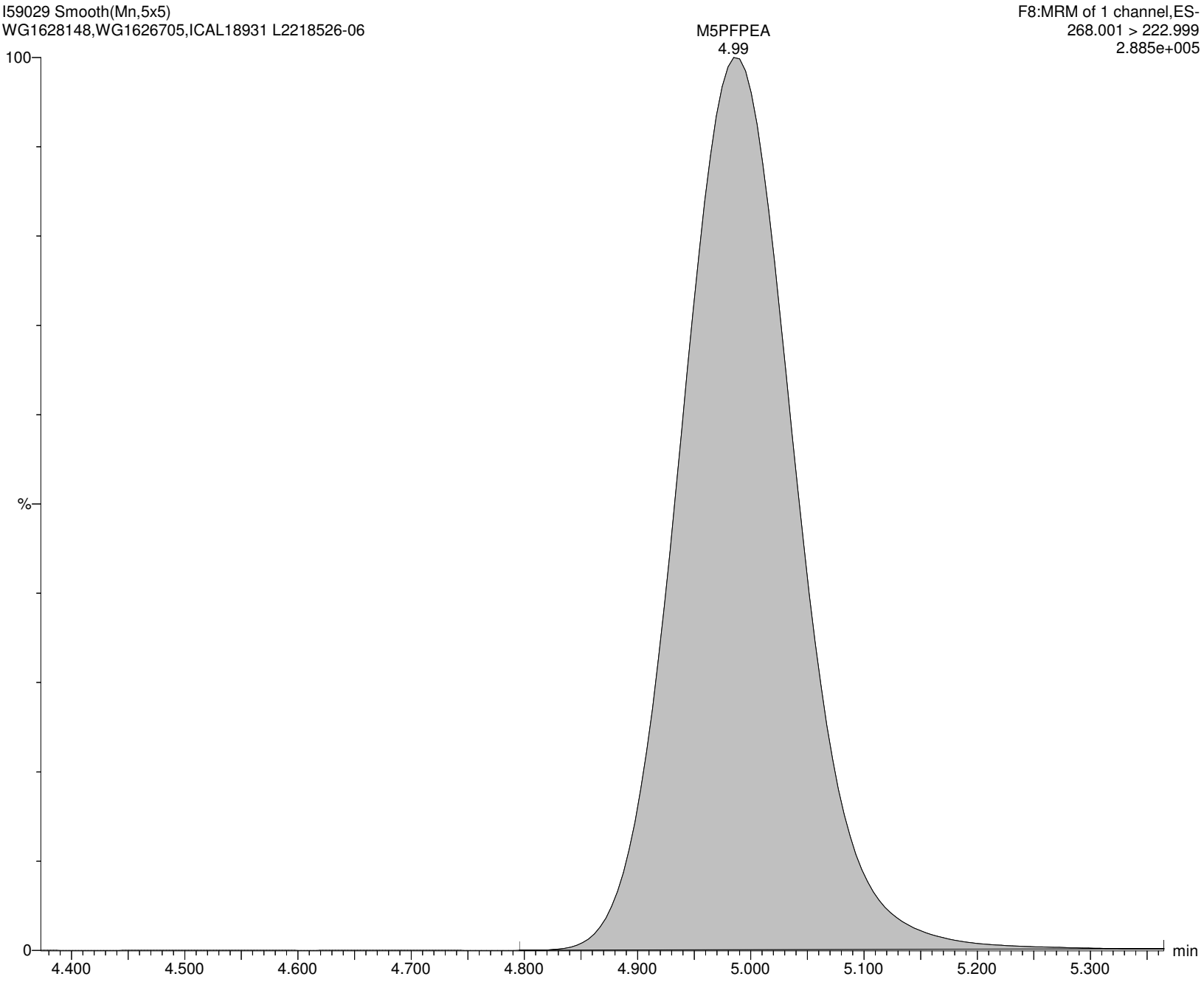


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M5PFPEA

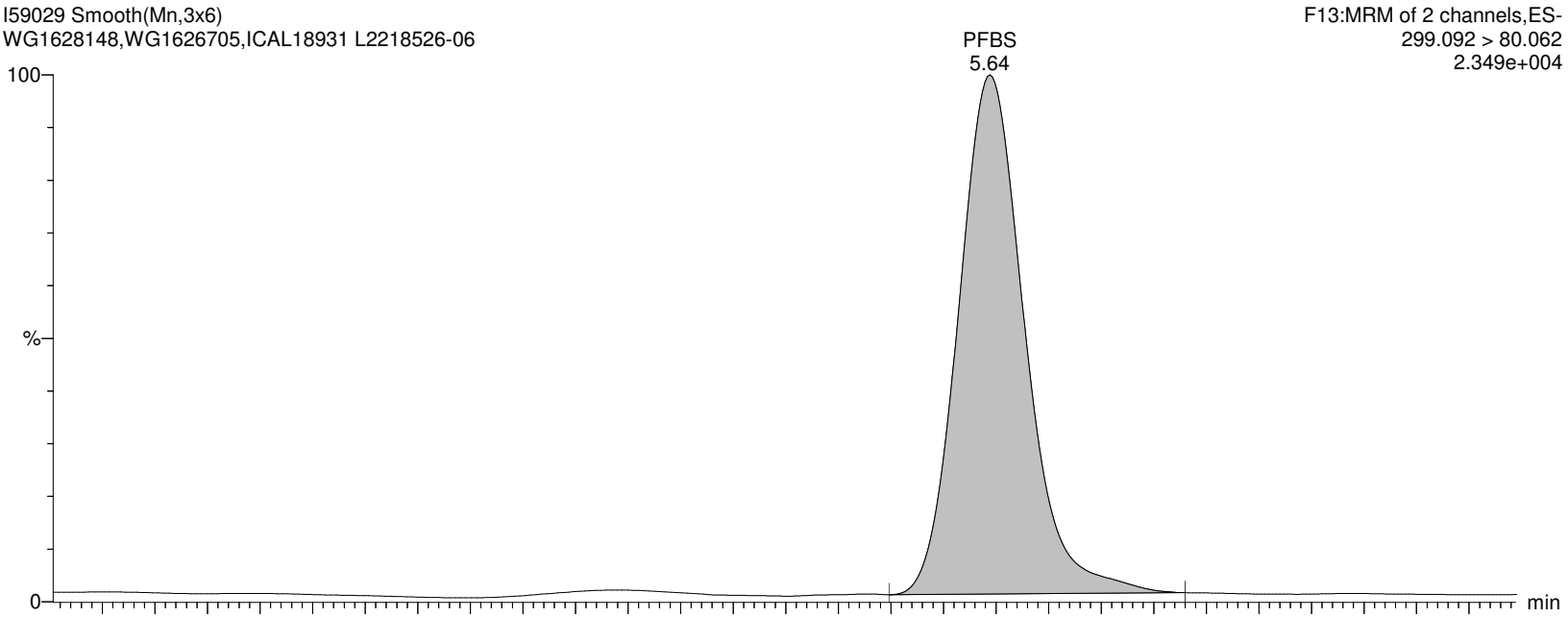


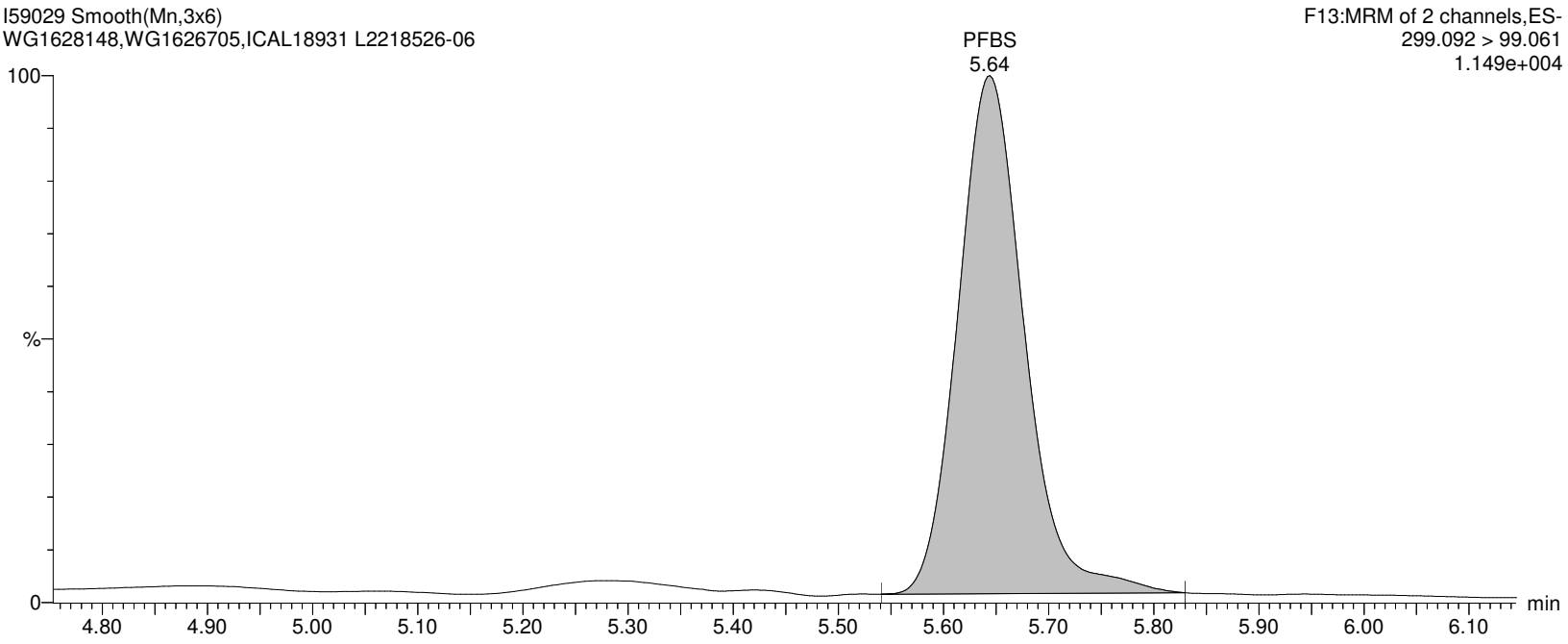
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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PFBS



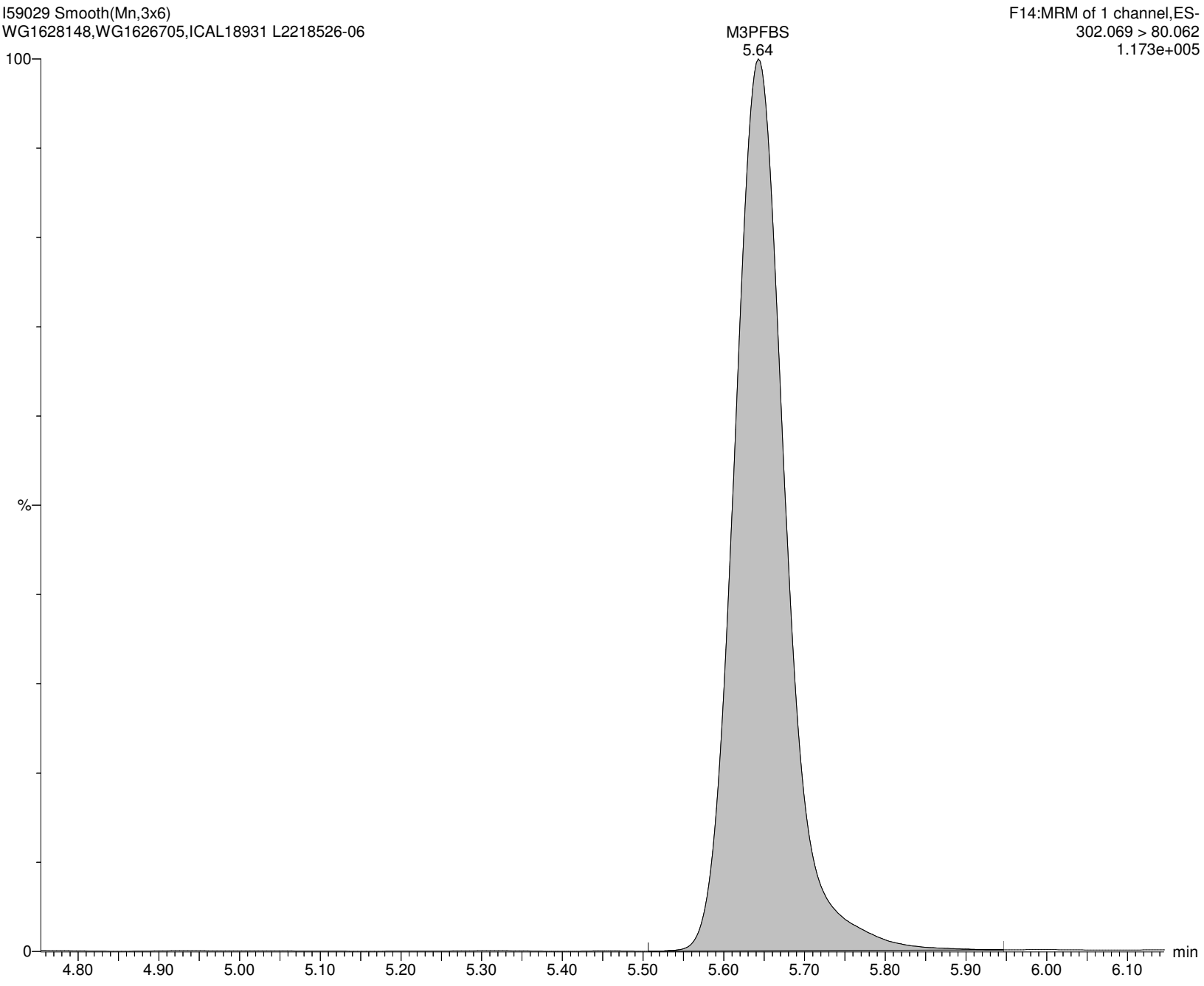


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M3PFBS

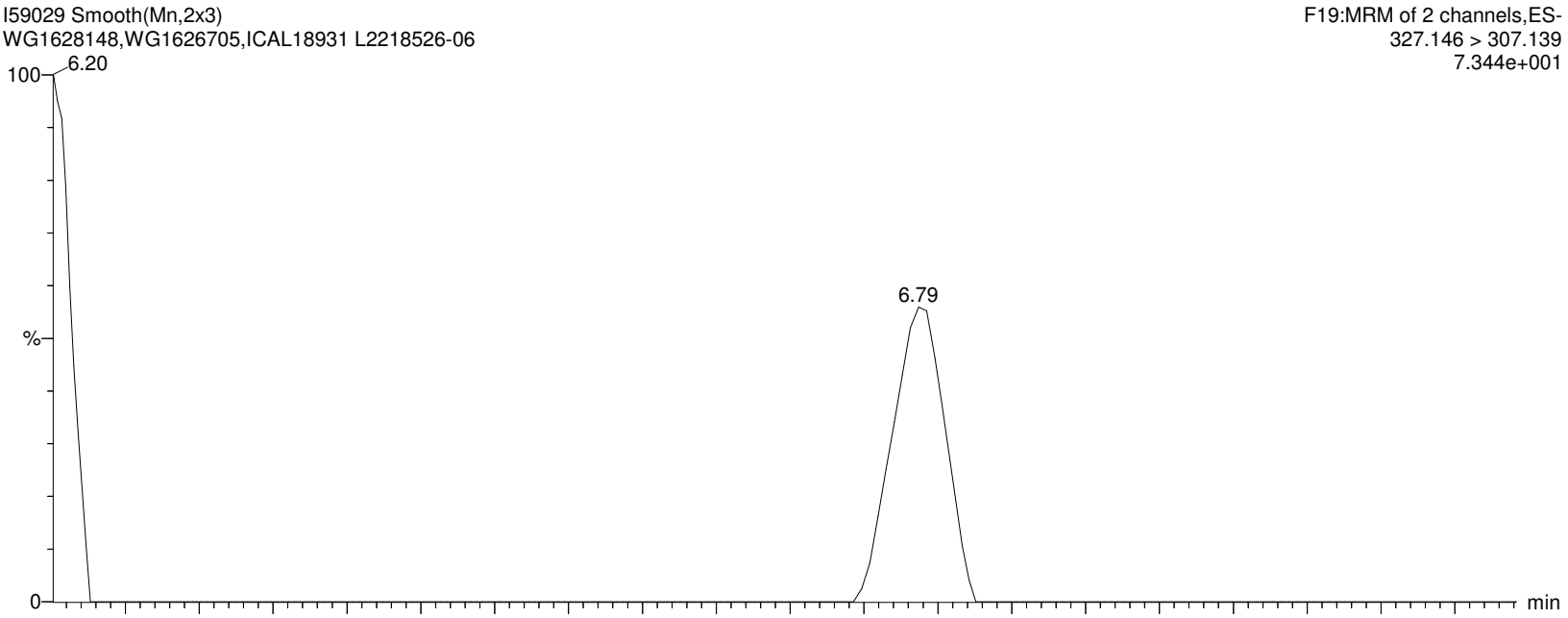


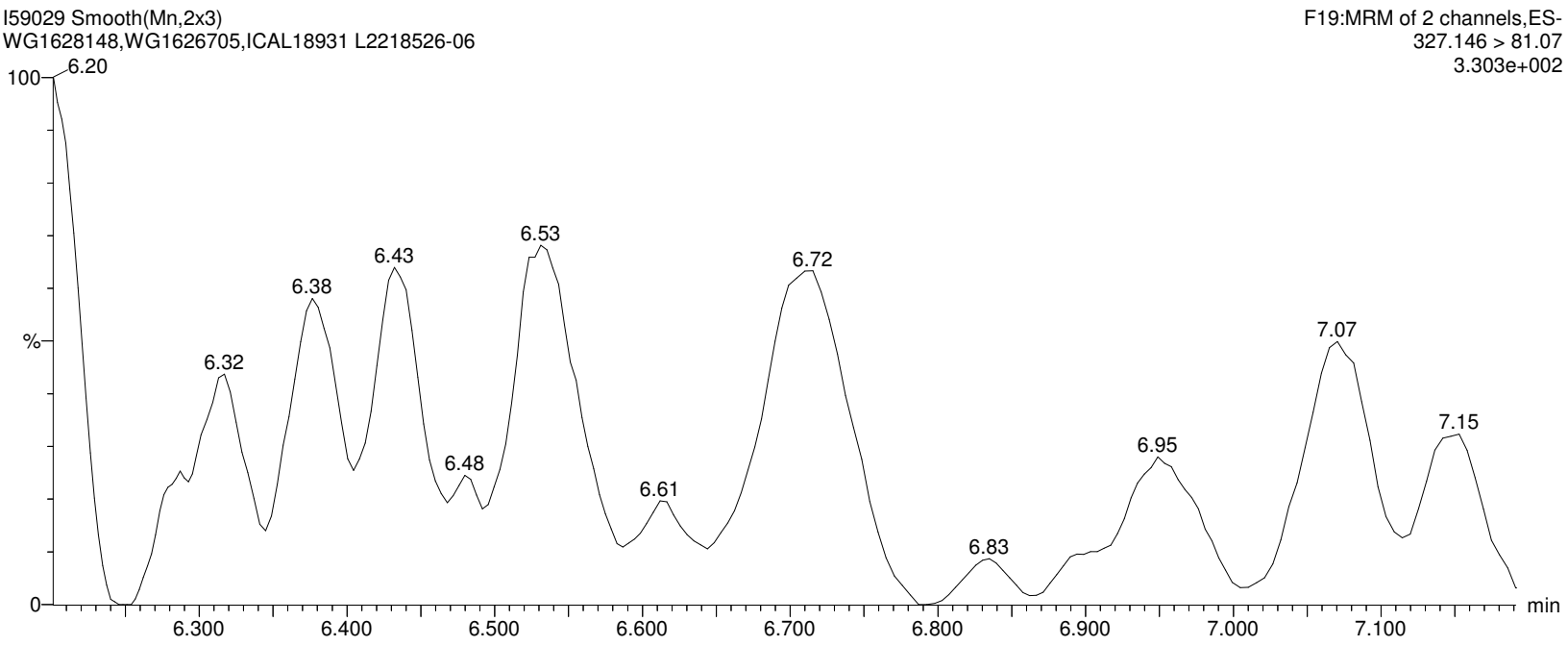
all concentration units in (ng/mL)

Alpha Analytical Inc.
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4:2FTS



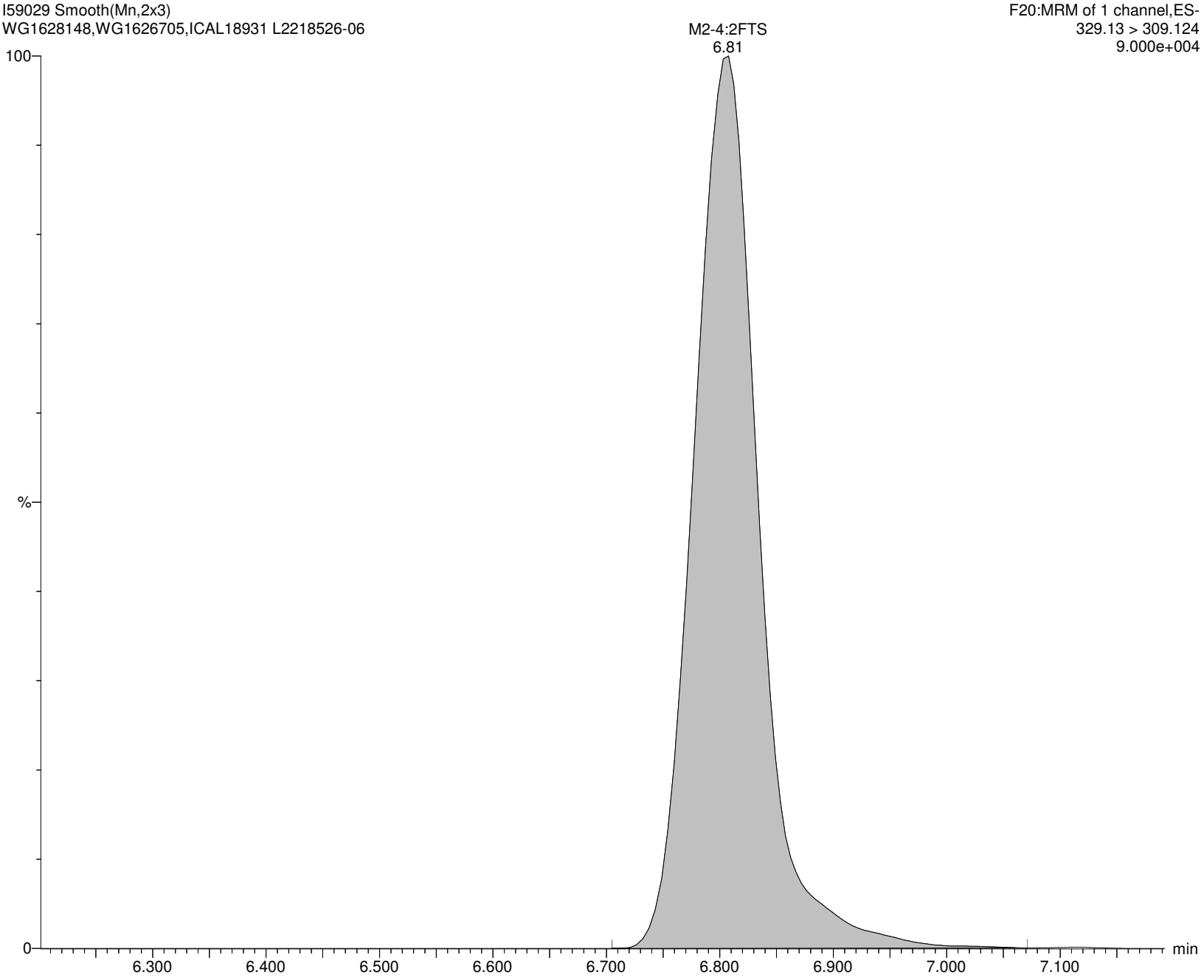


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2-4:2FTS

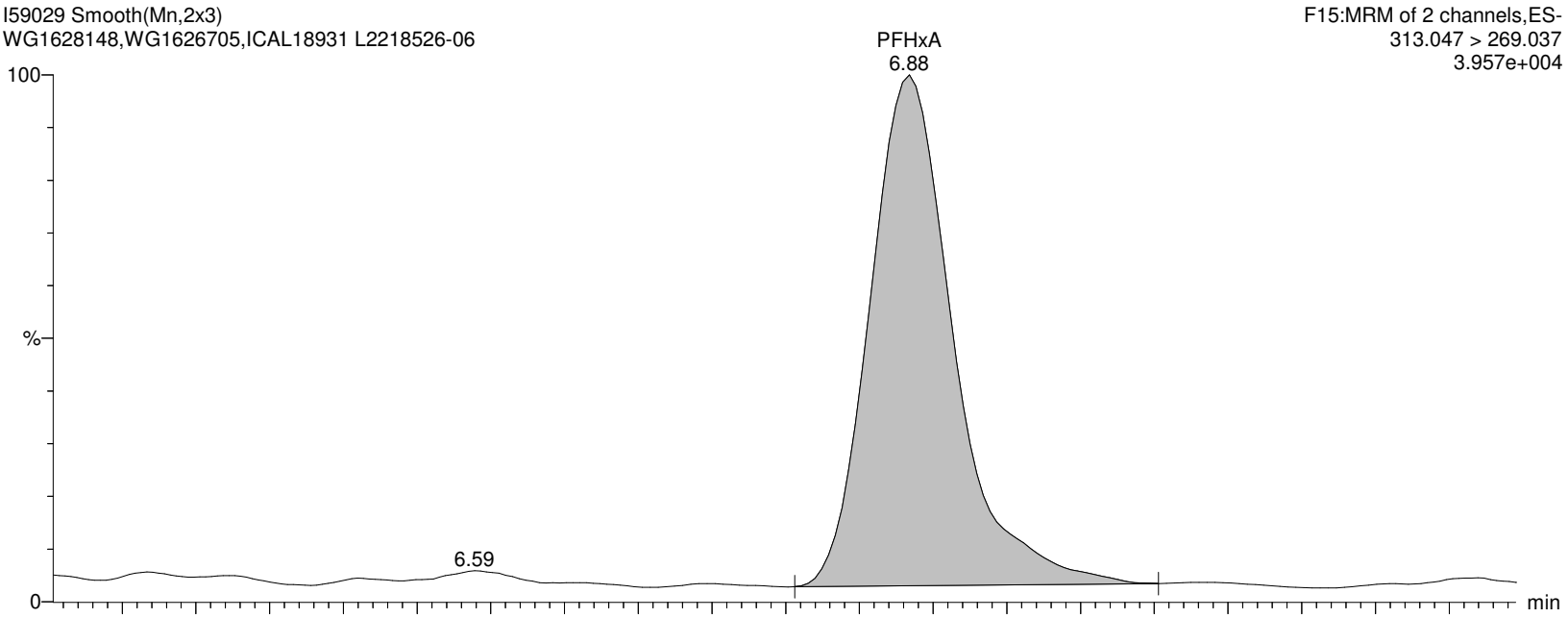


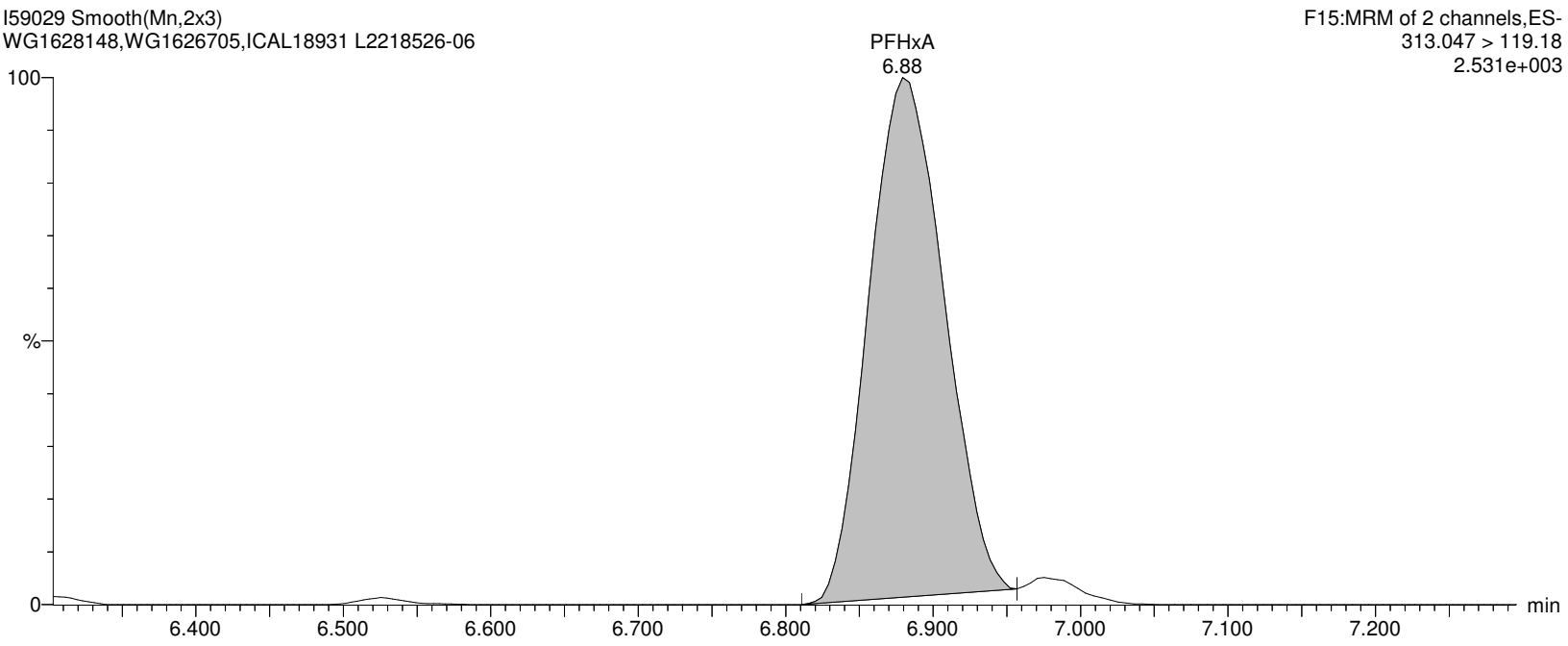
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxA



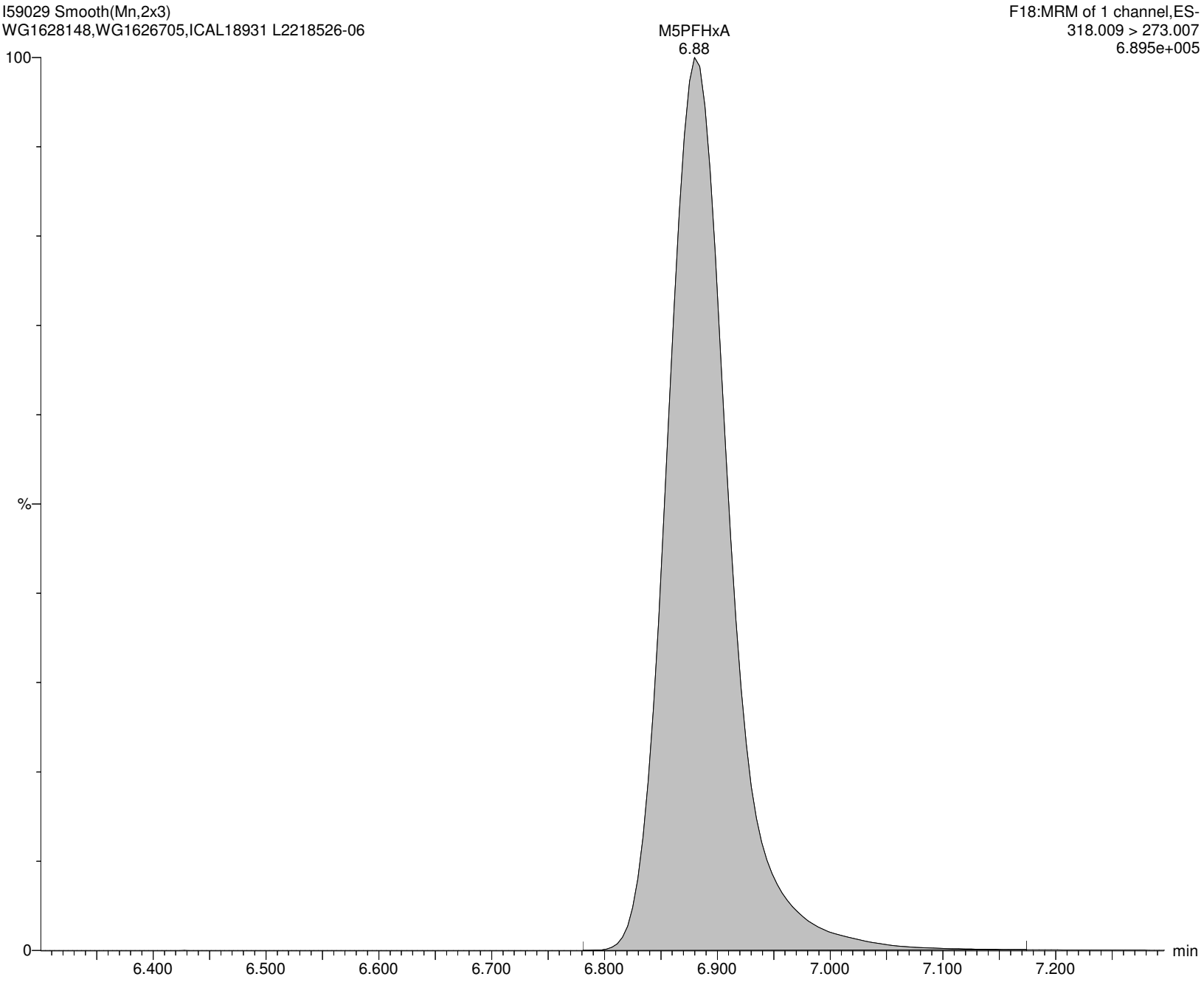


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:11 Eastern Daylight Time

Name: I59029
ID: L2218526-06
Date: 18-Apr-2022
Time: 01:17:55
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,6
Instrument: XEVO-TQSmicro#QEB0050
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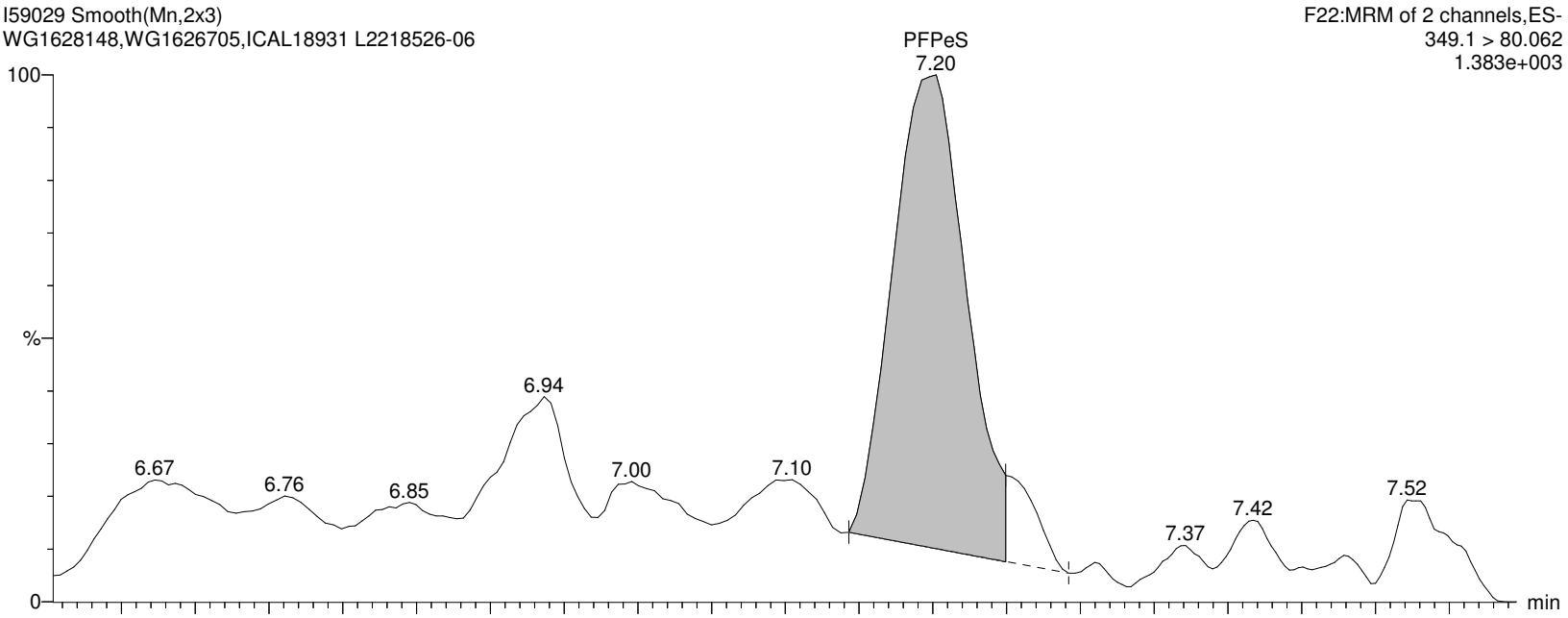


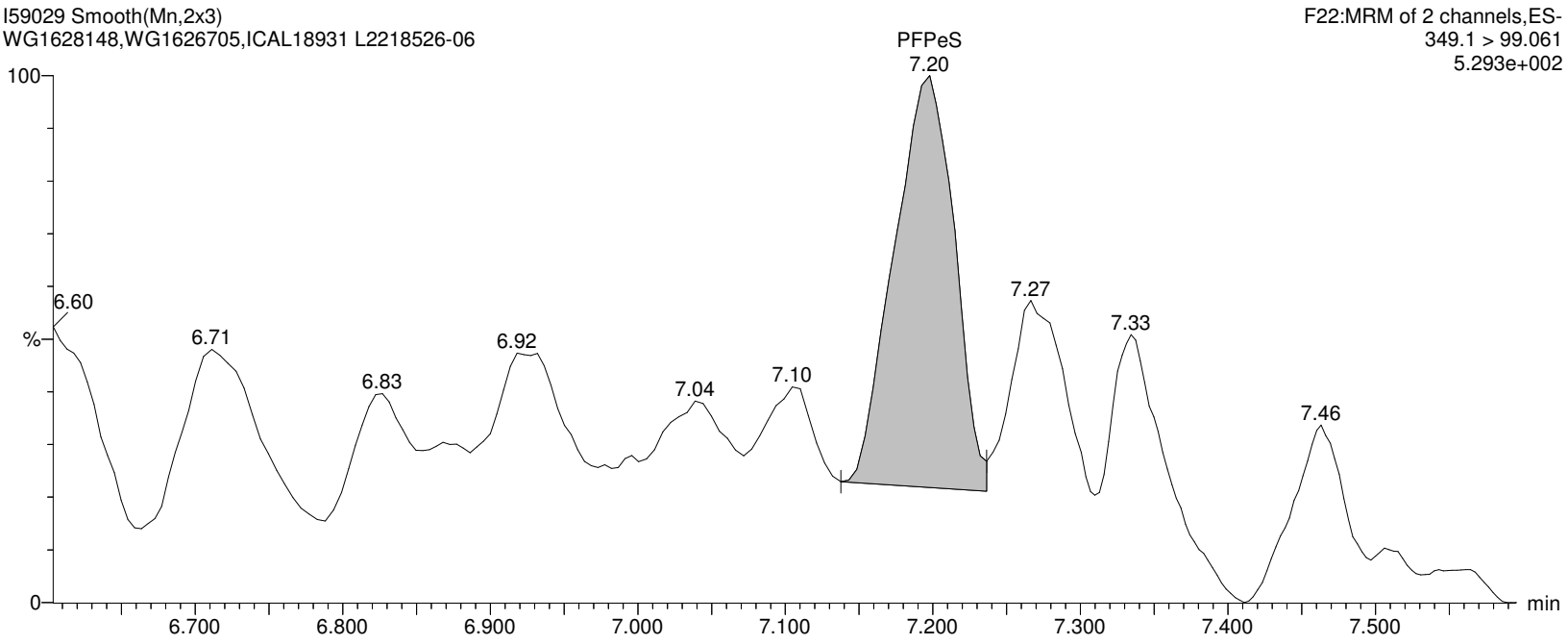
all concentration units in (ng/mL)

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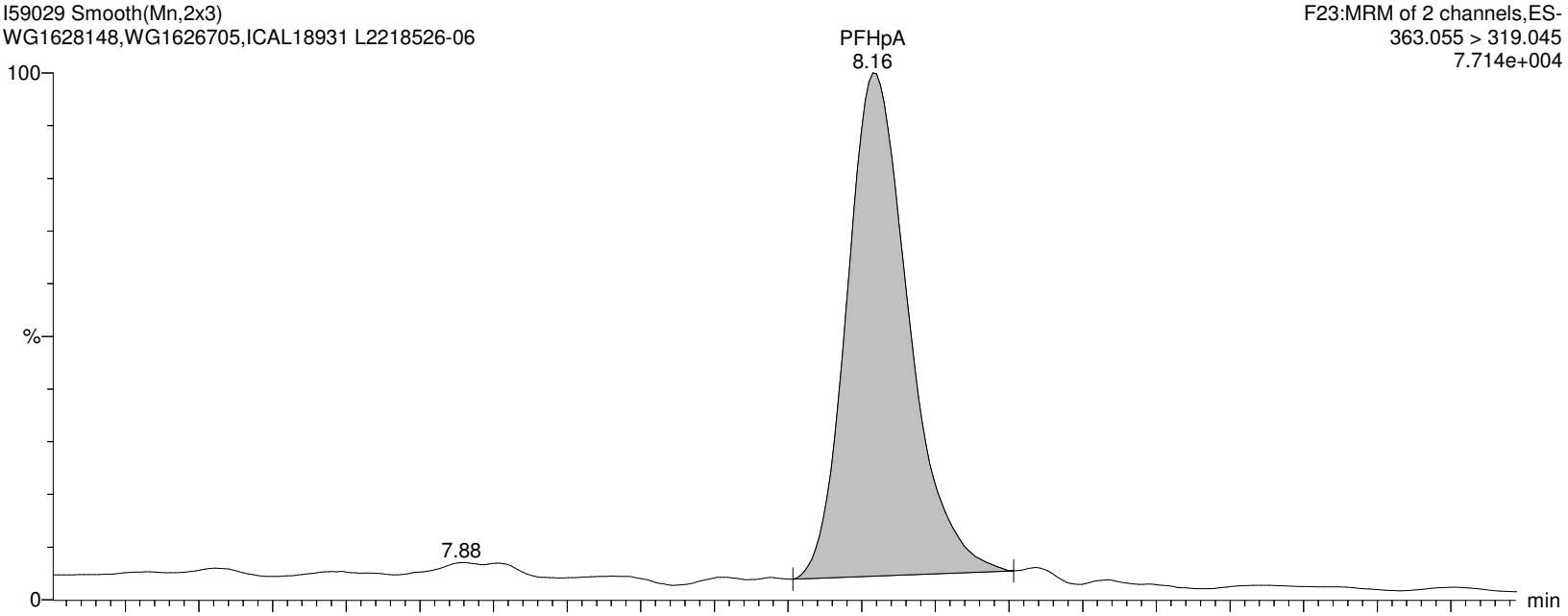


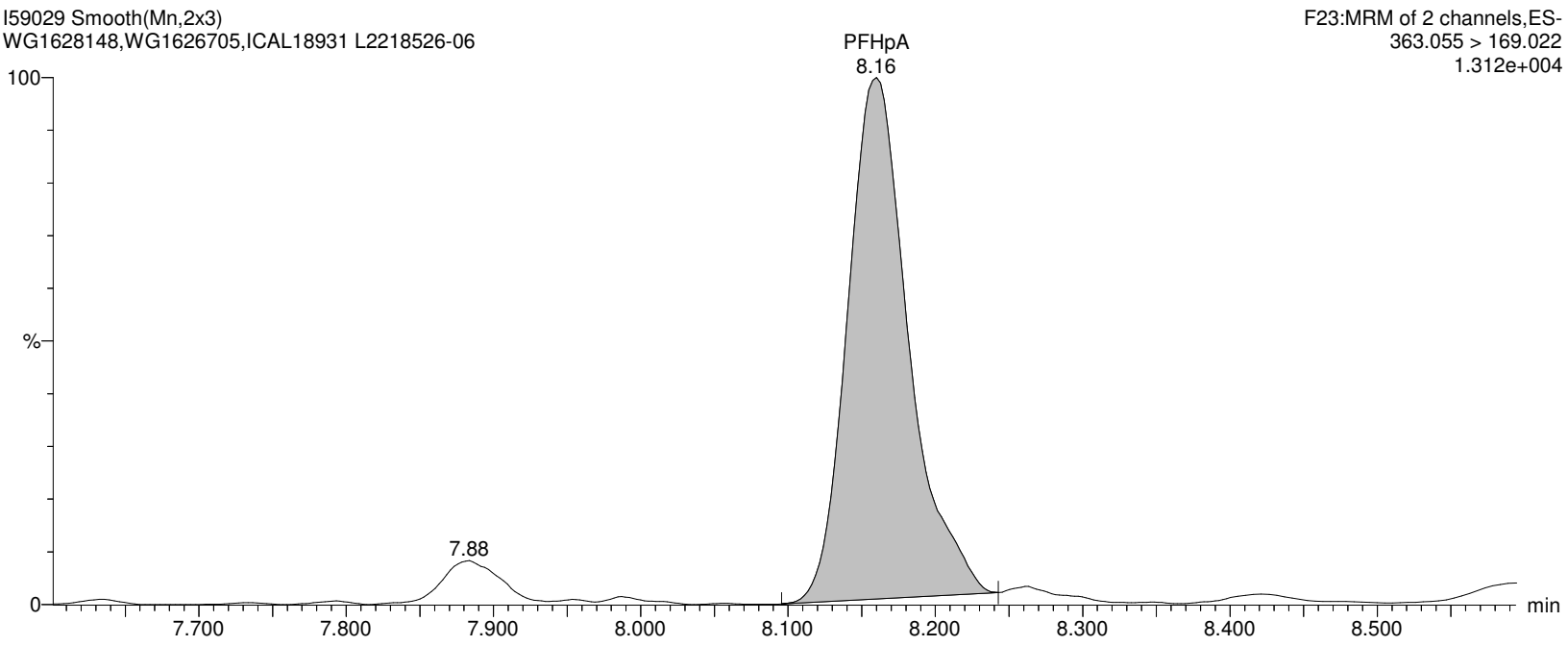
all concentration units in (ng/mL)

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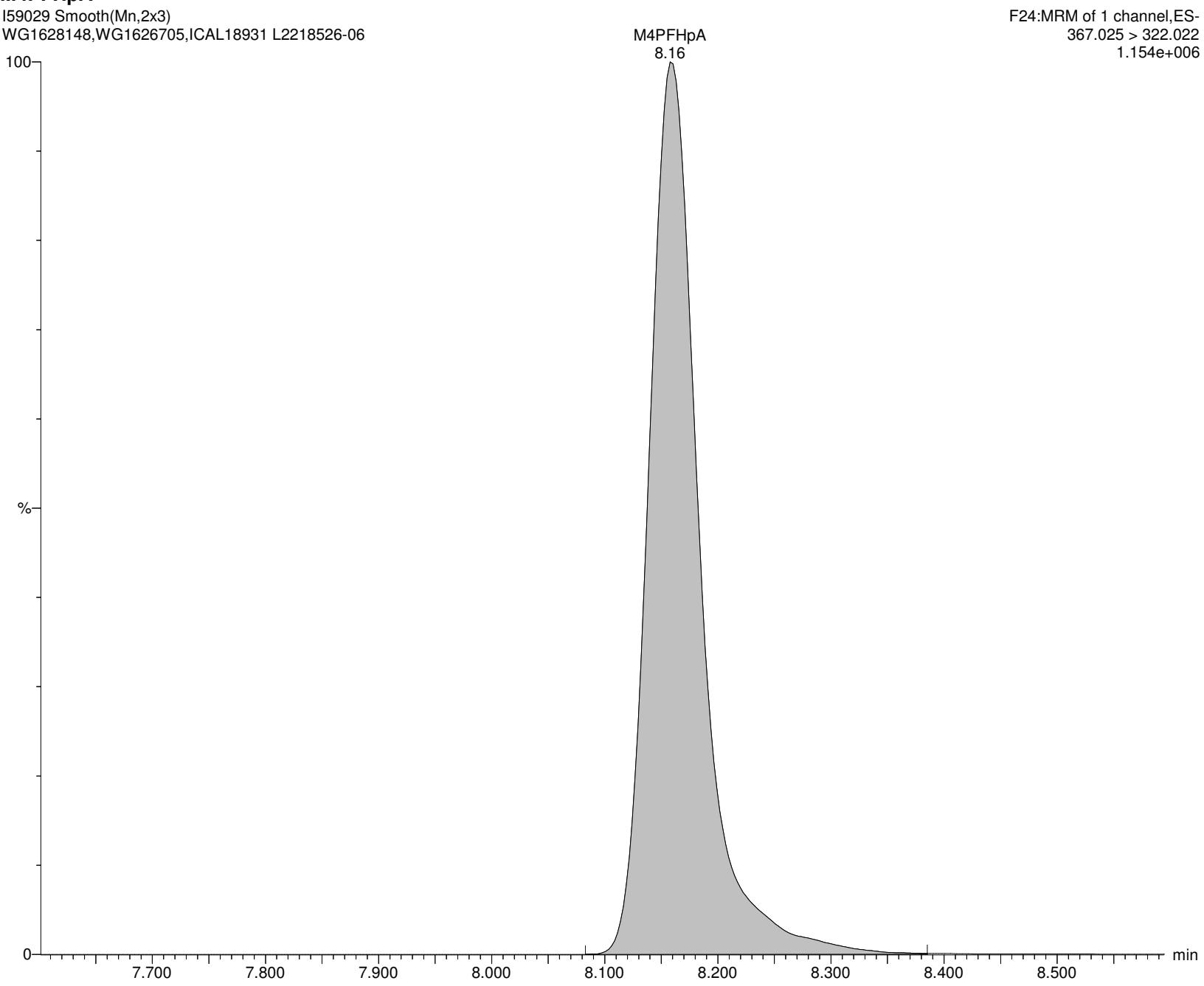


all concentration units in (ng/mL)

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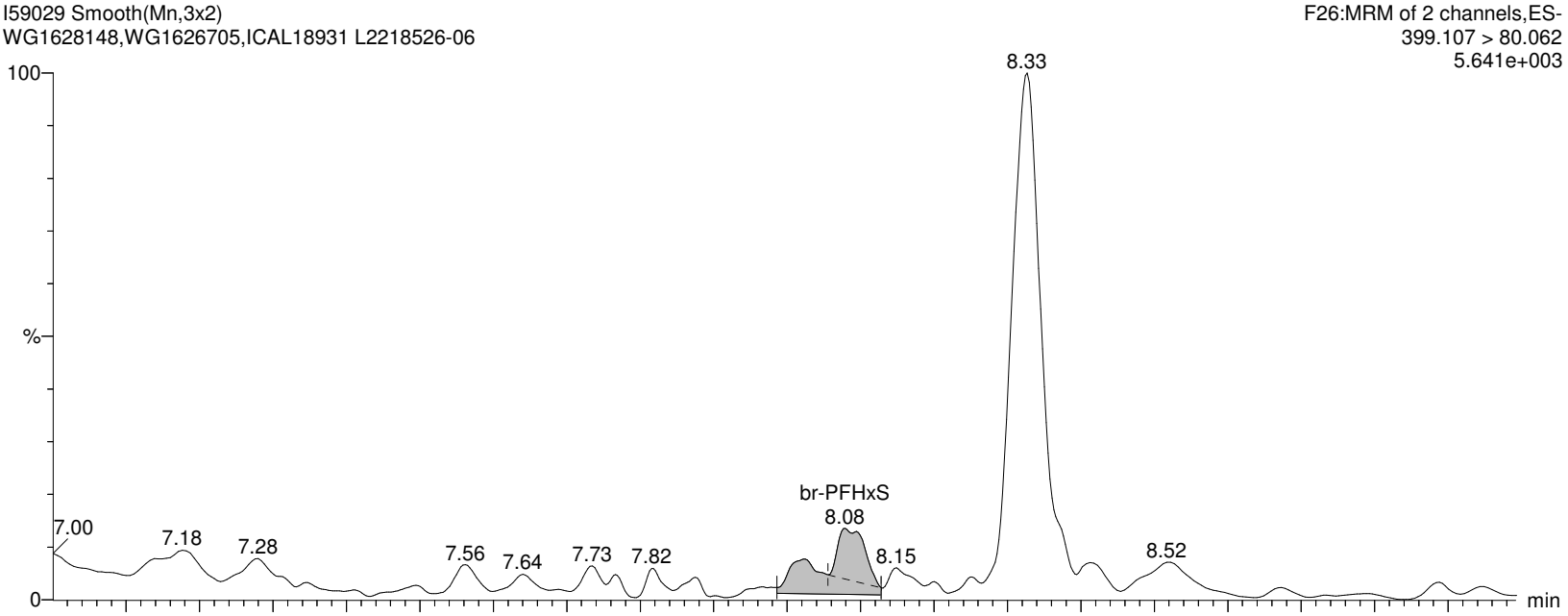


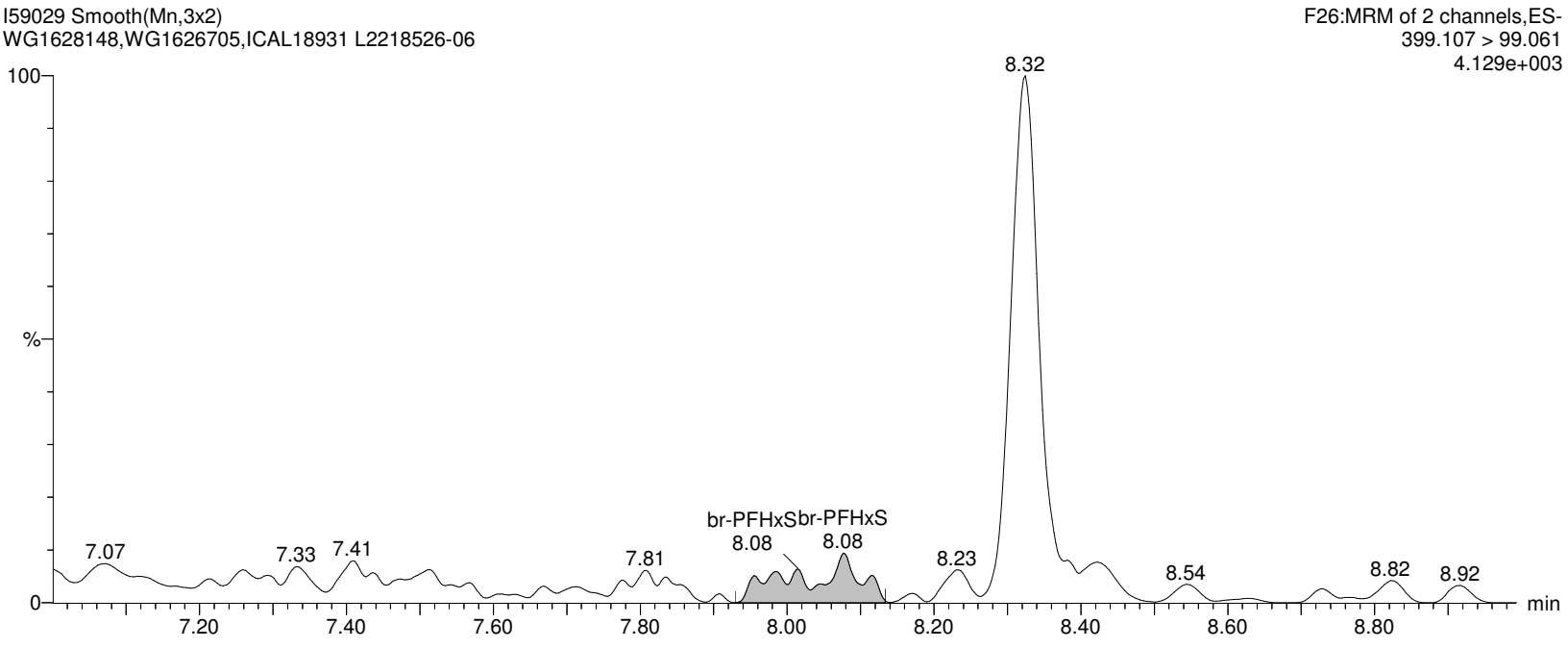
all concentration units in (ng/mL)

Alpha Analytical Inc.
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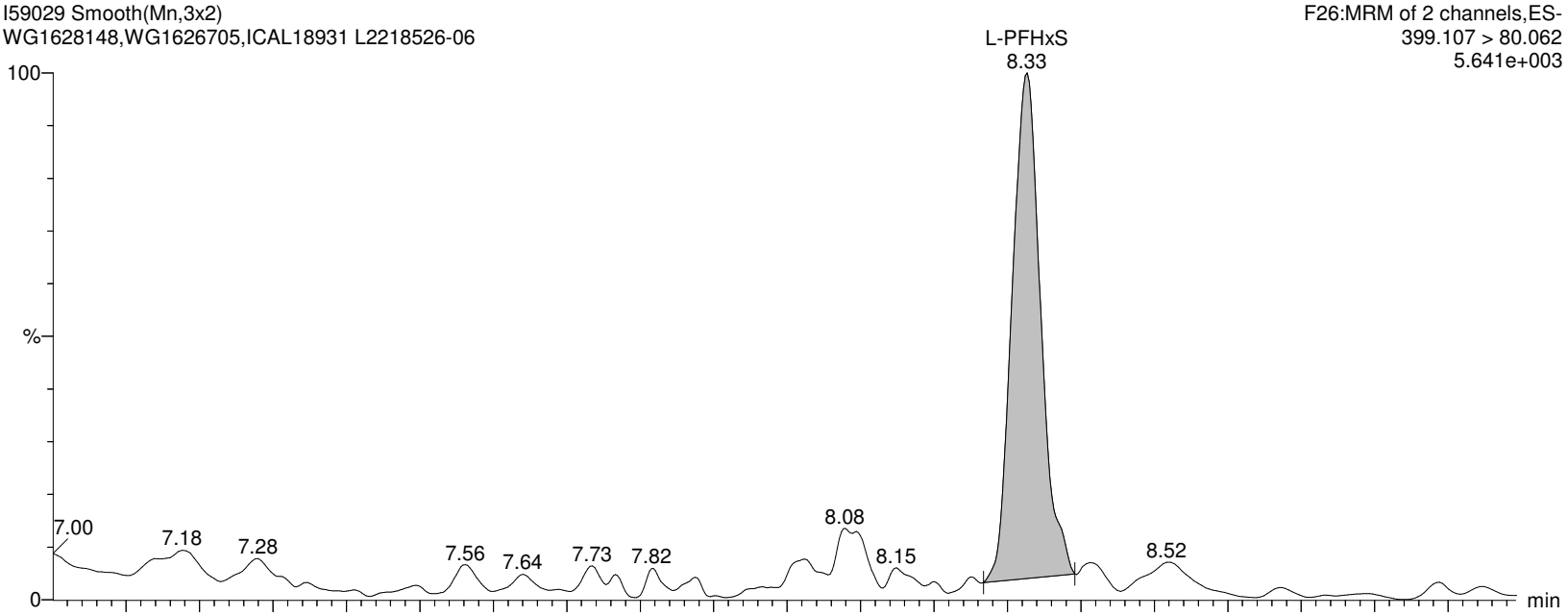


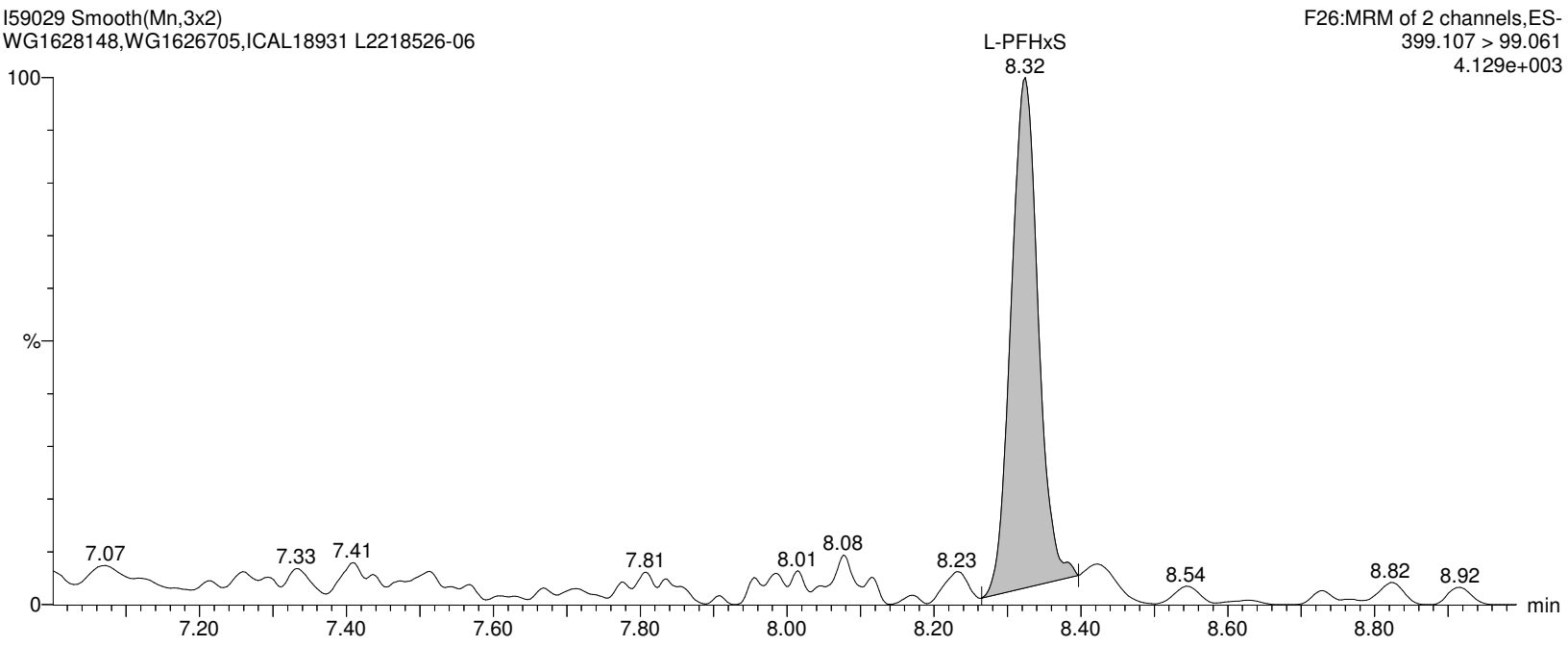
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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L-PFHxS



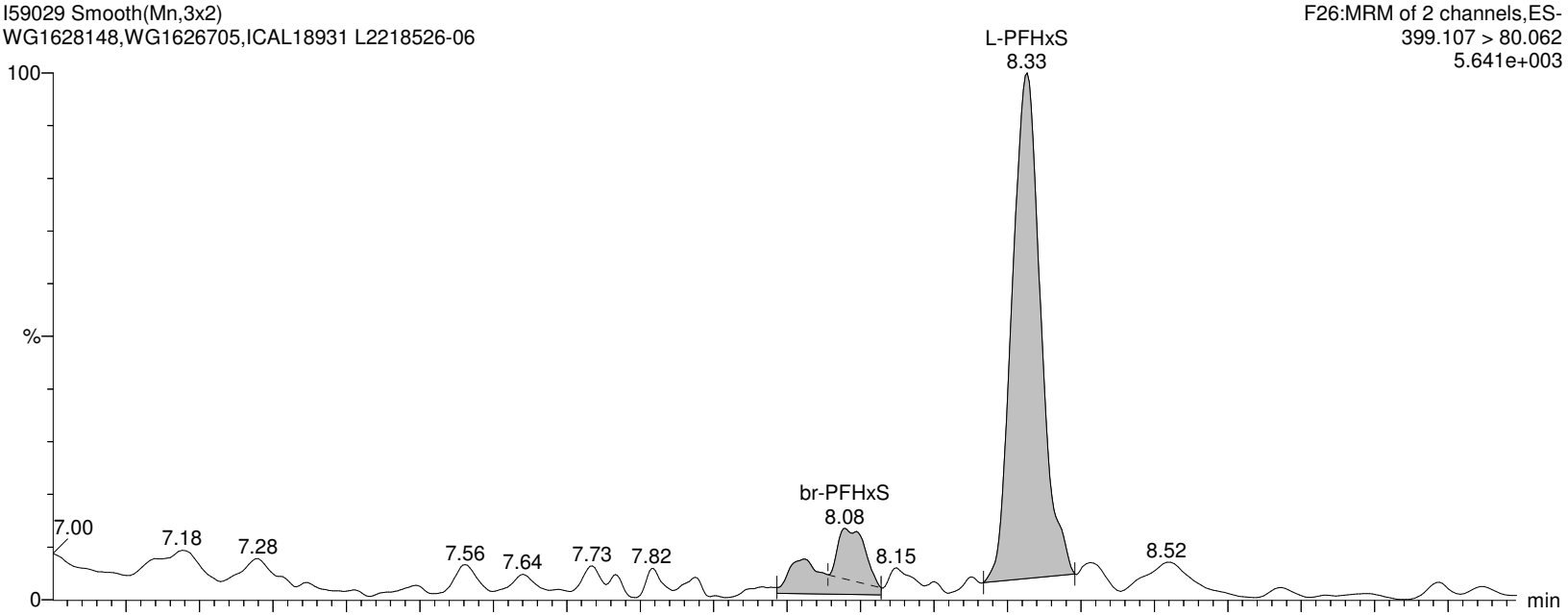


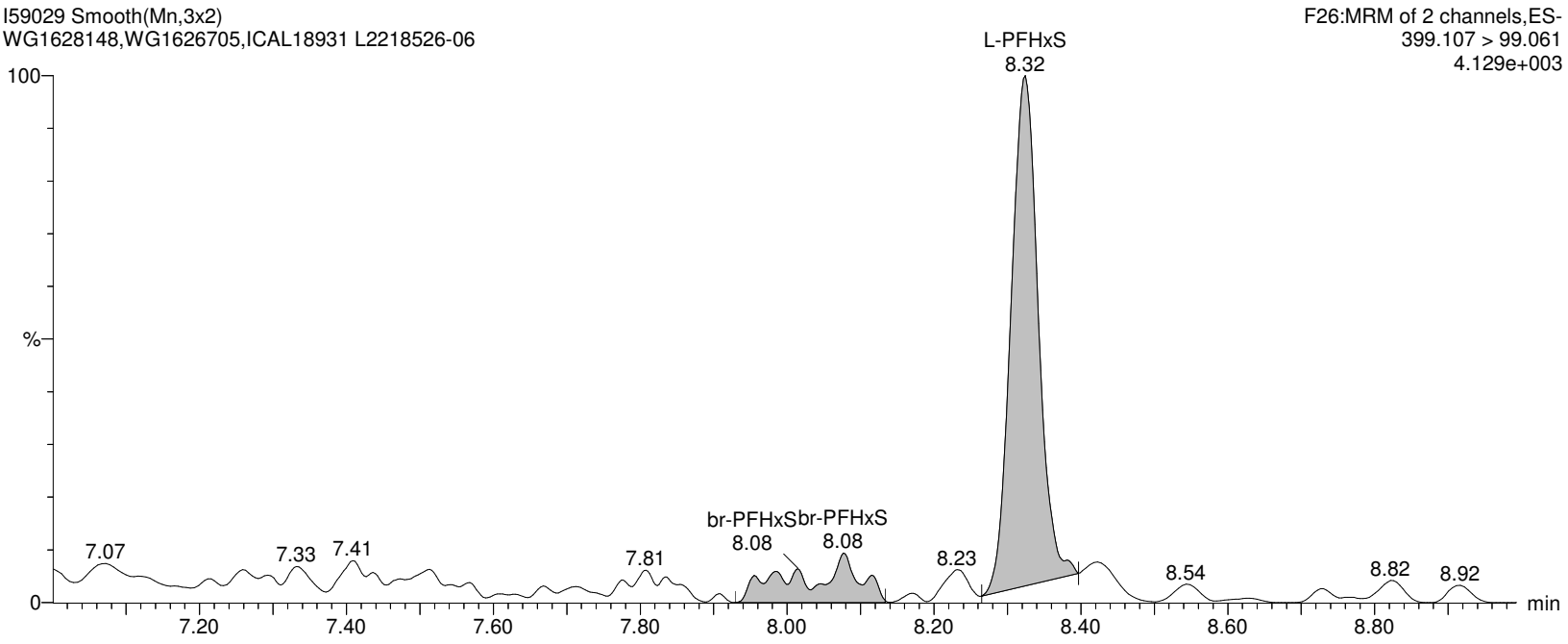
all concentration units in (ng/mL)

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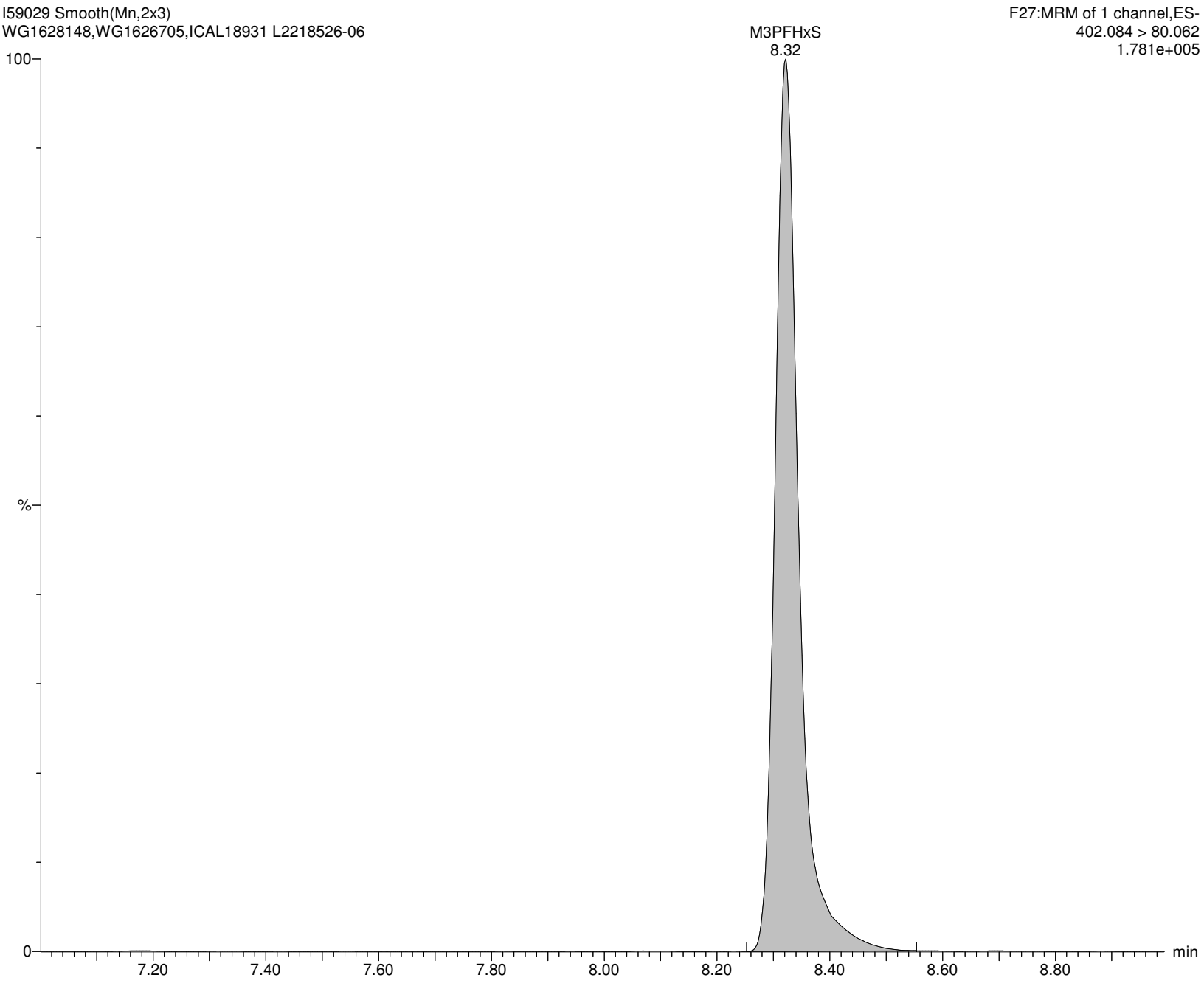


all concentration units in (ng/mL)

Alpha Analytical Inc.
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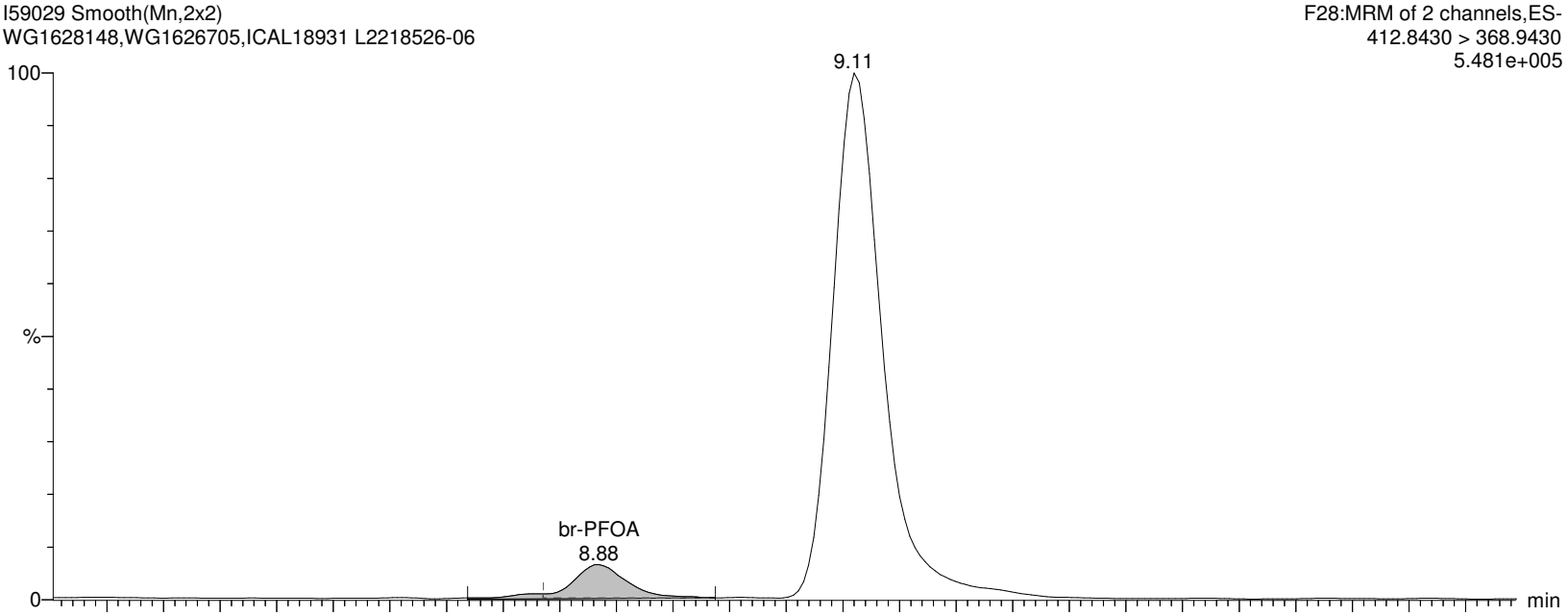


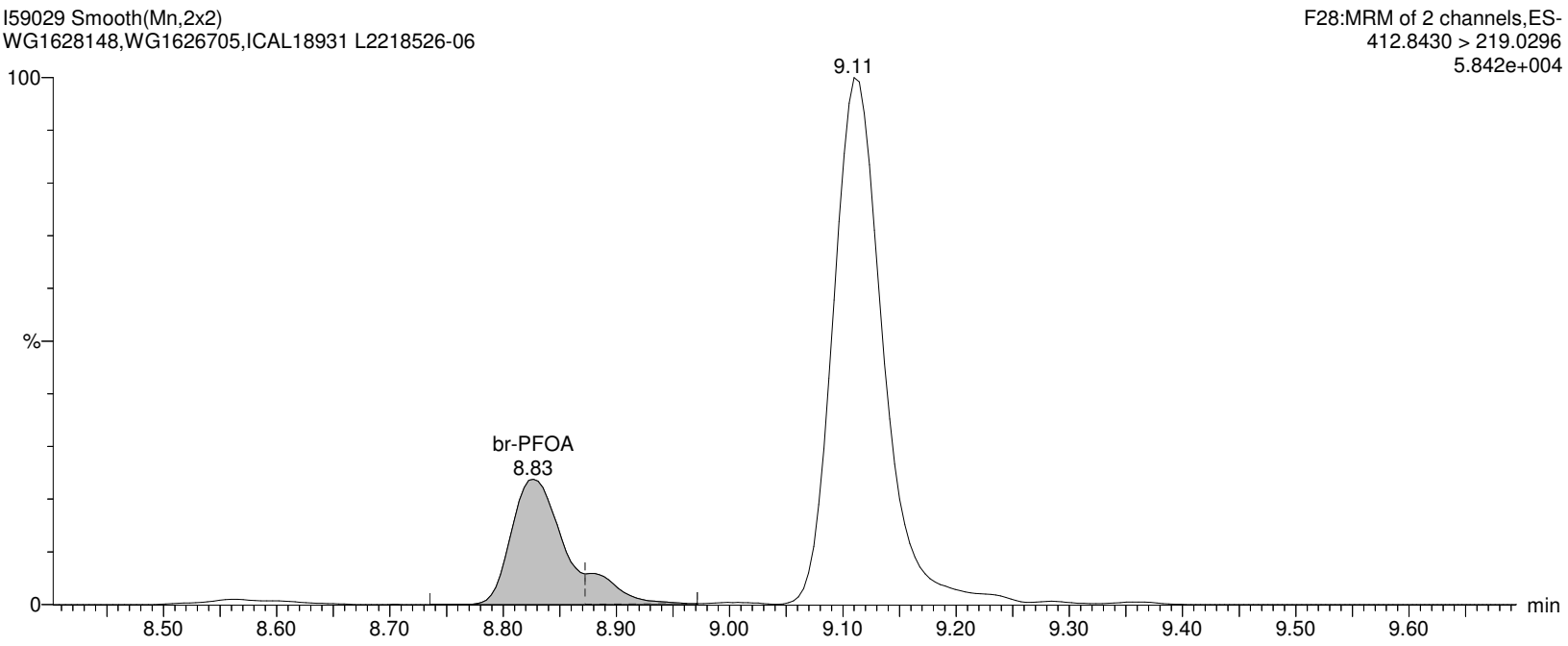
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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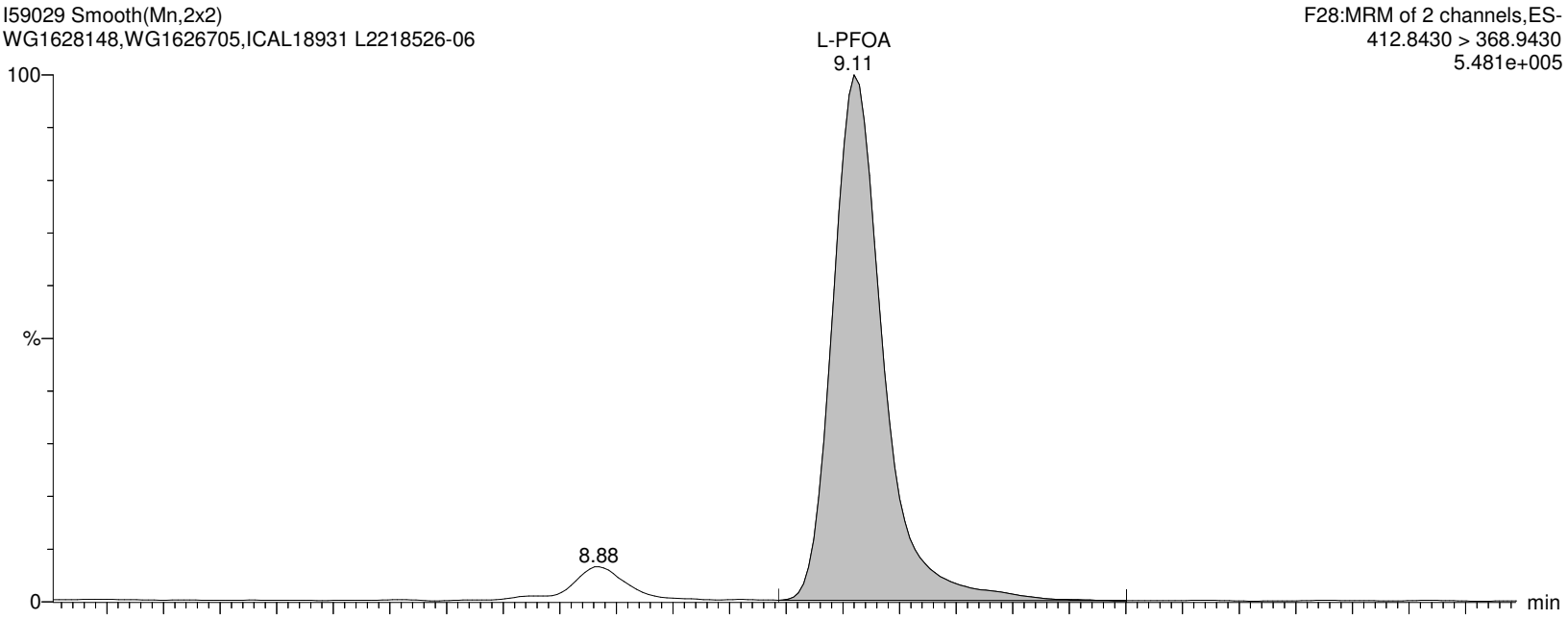


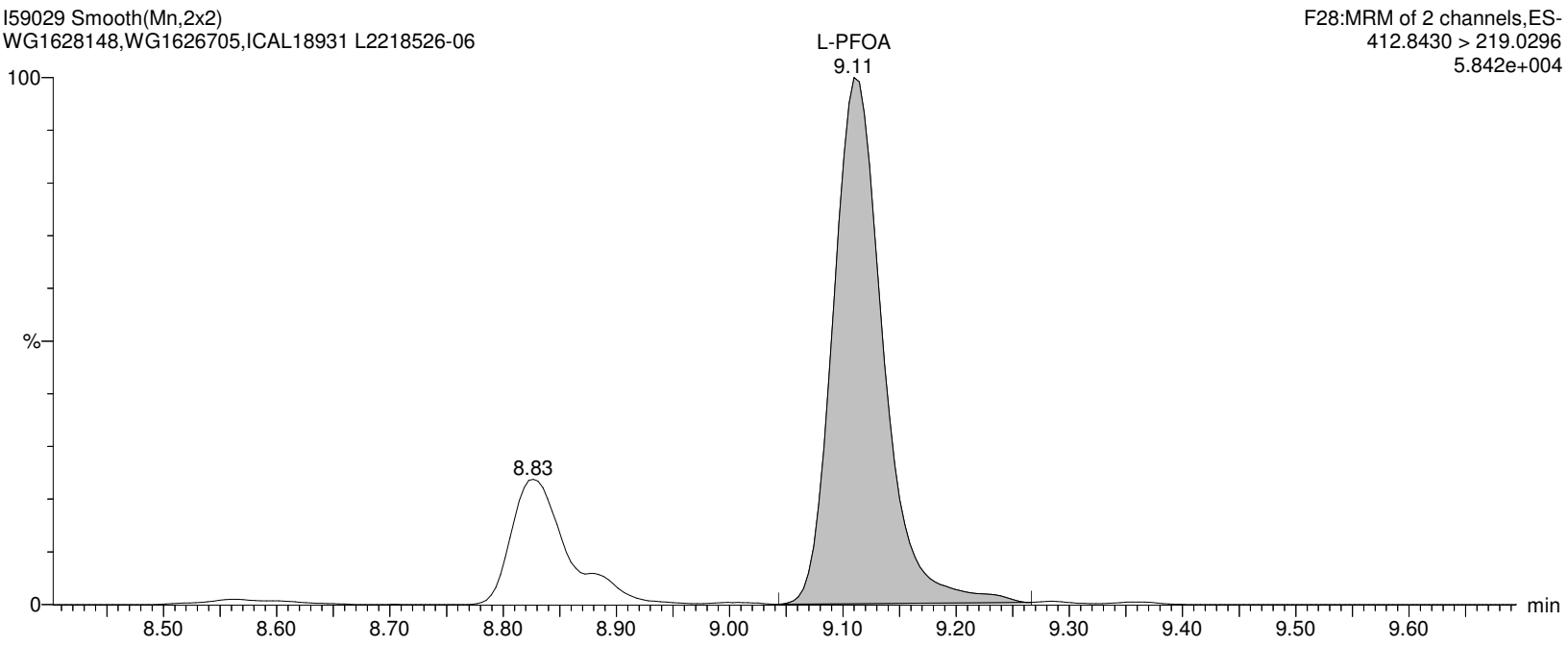
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOA



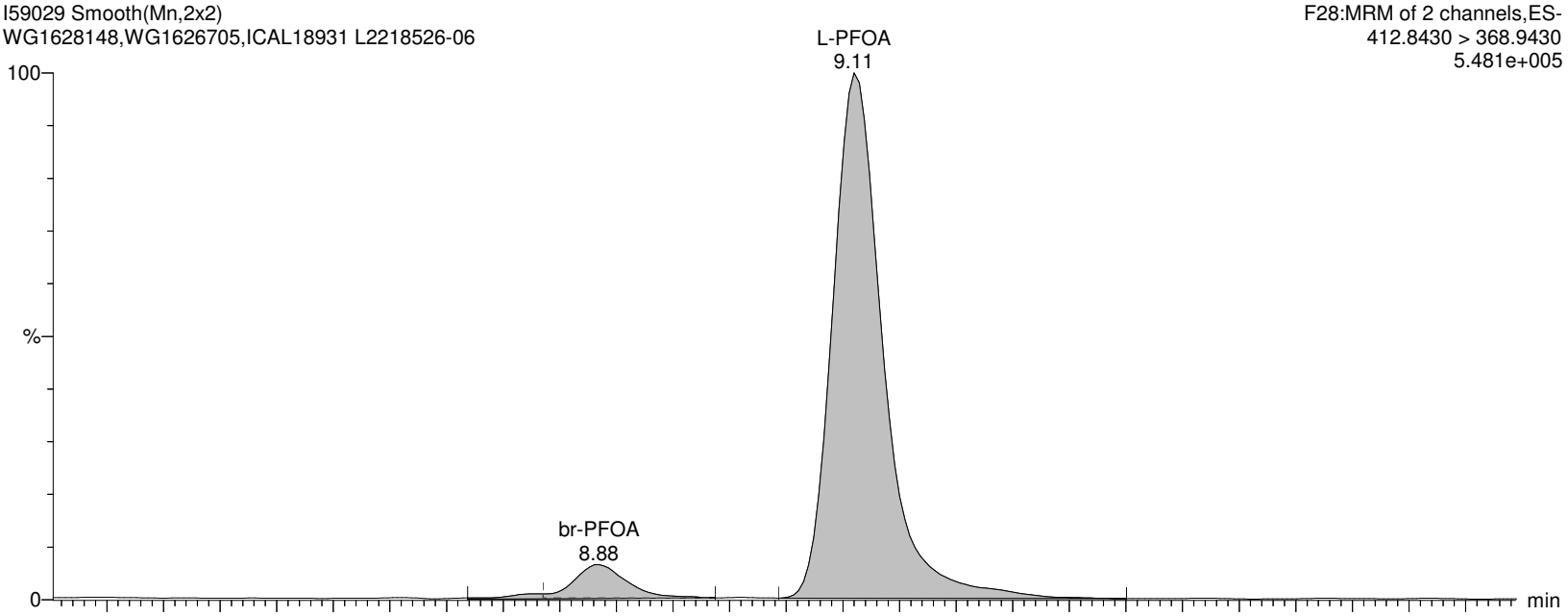


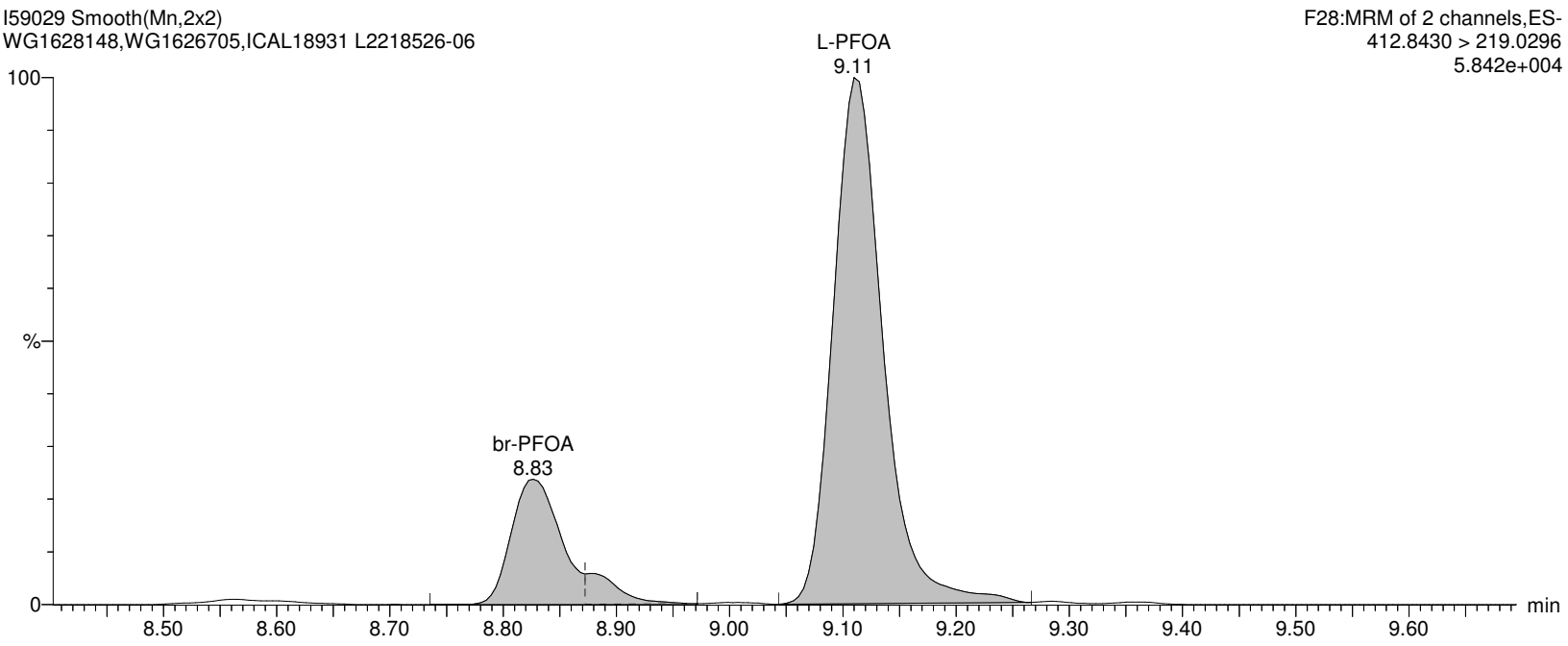
all concentration units in (ng/mL)

Alpha Analytical Inc.
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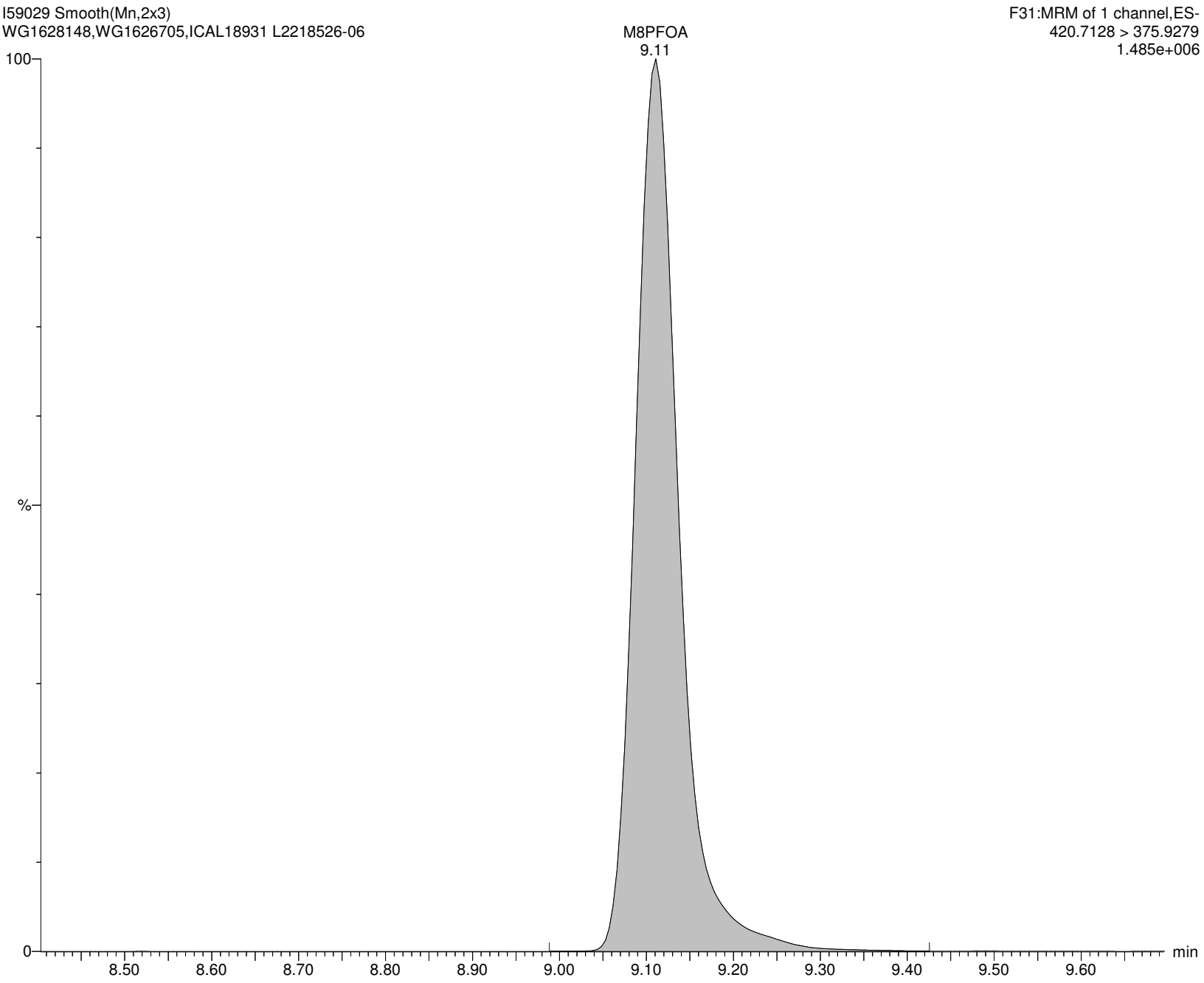


all concentration units in (ng/mL)

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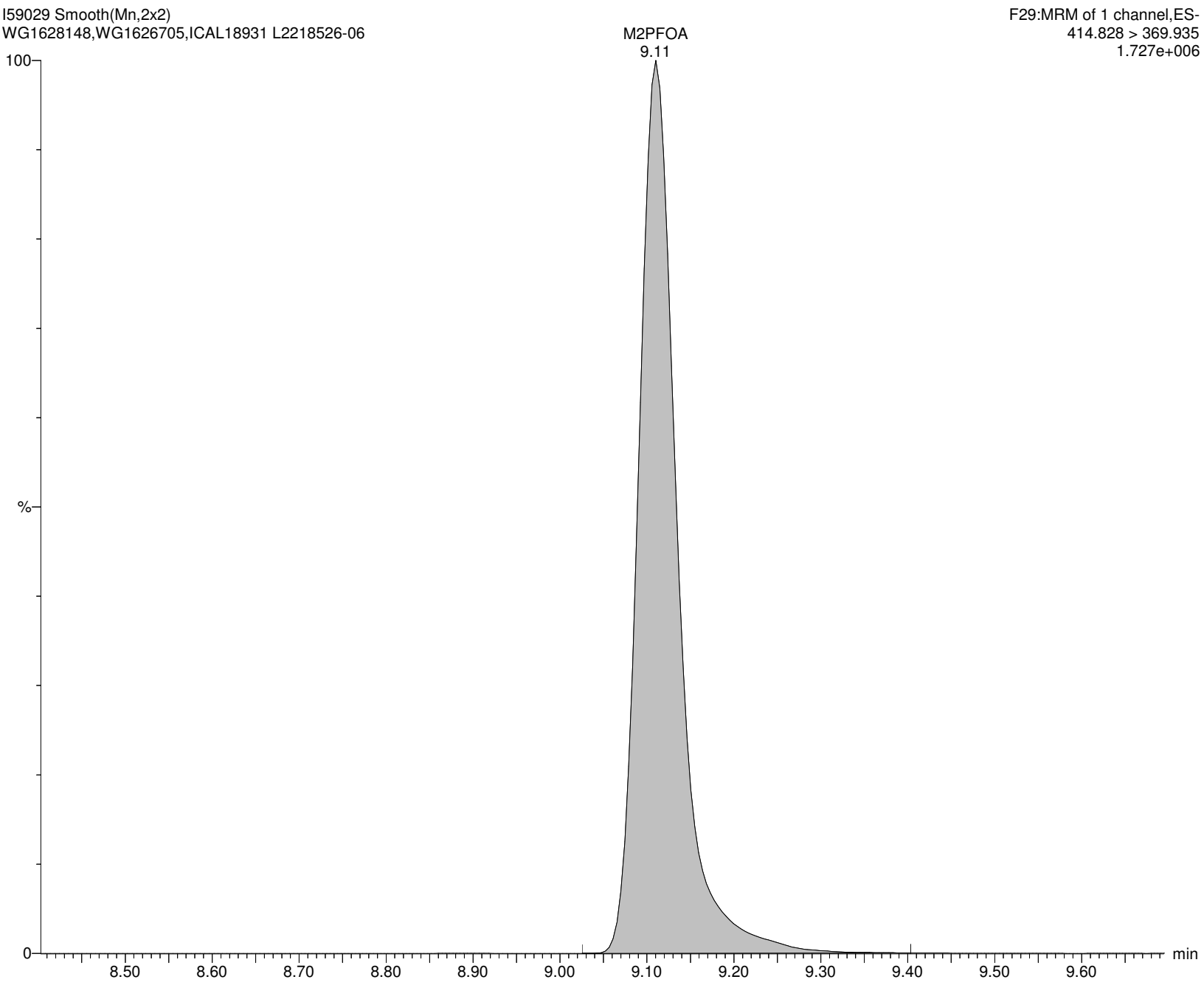


all concentration units in (ng/mL)

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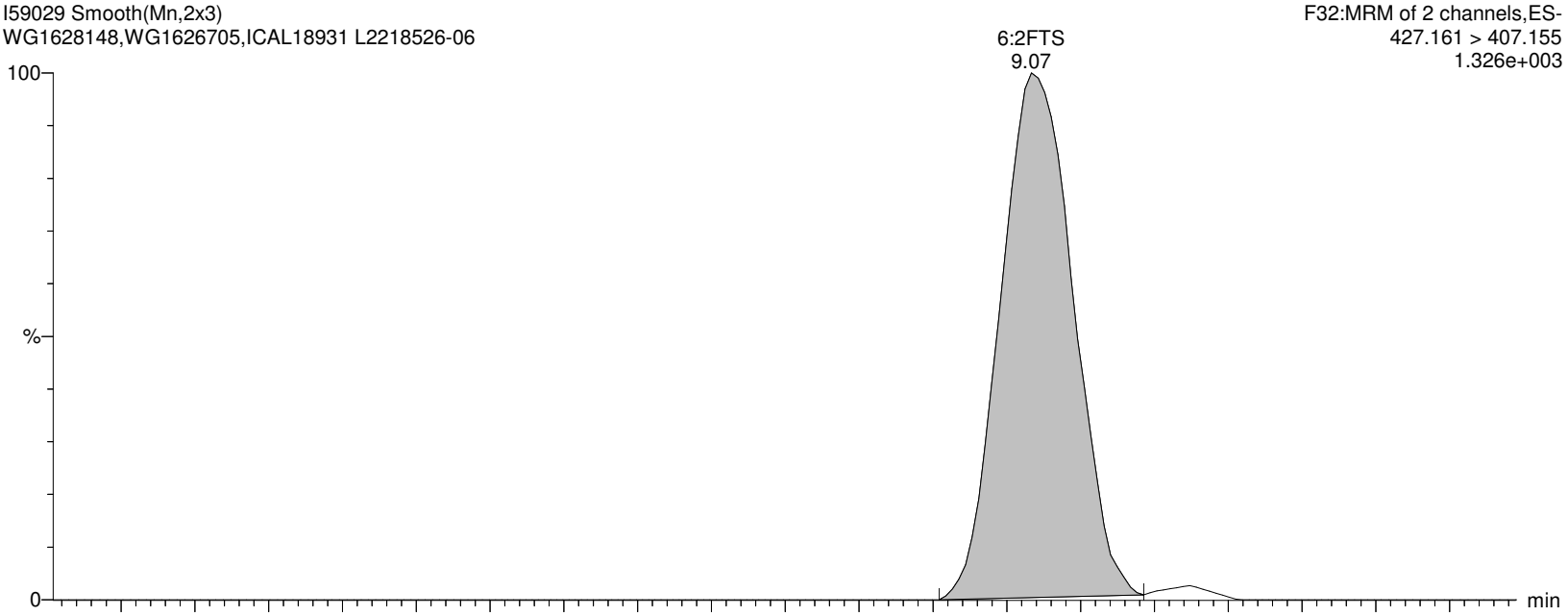


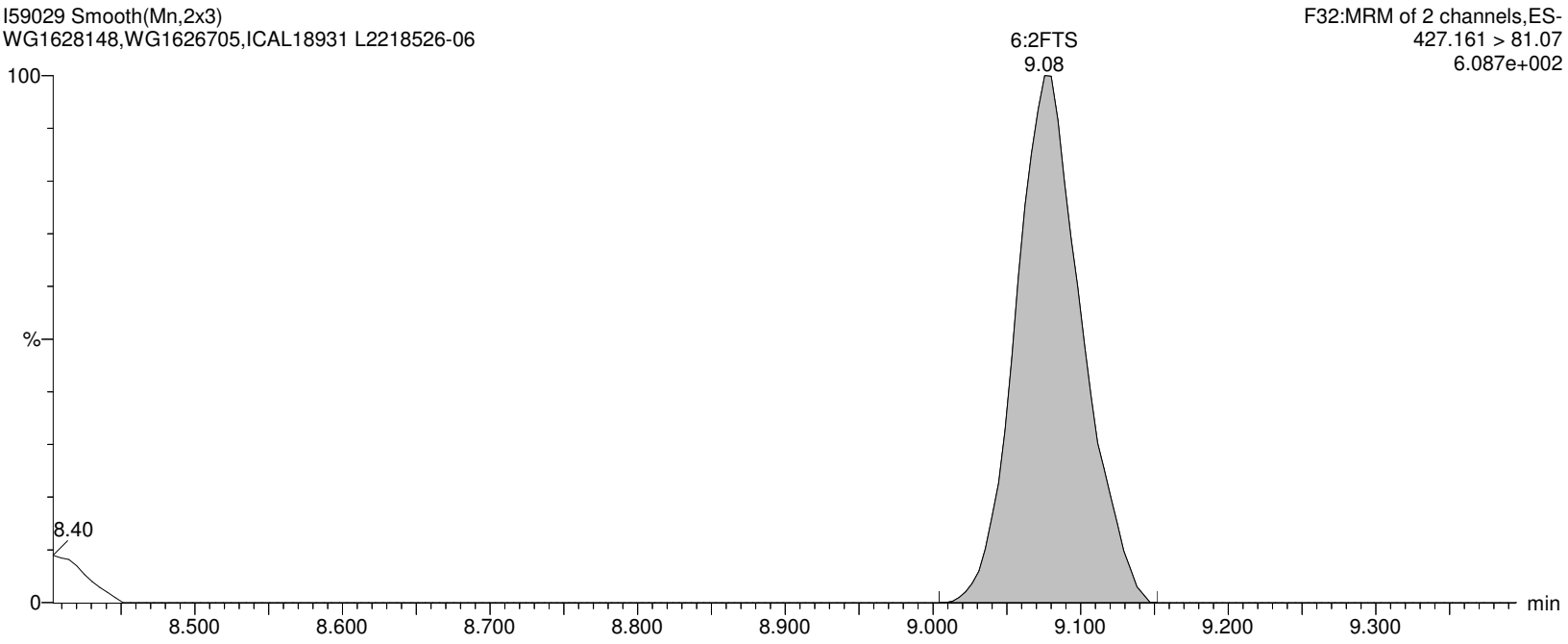
all concentration units in (ng/mL)

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6:2FTS



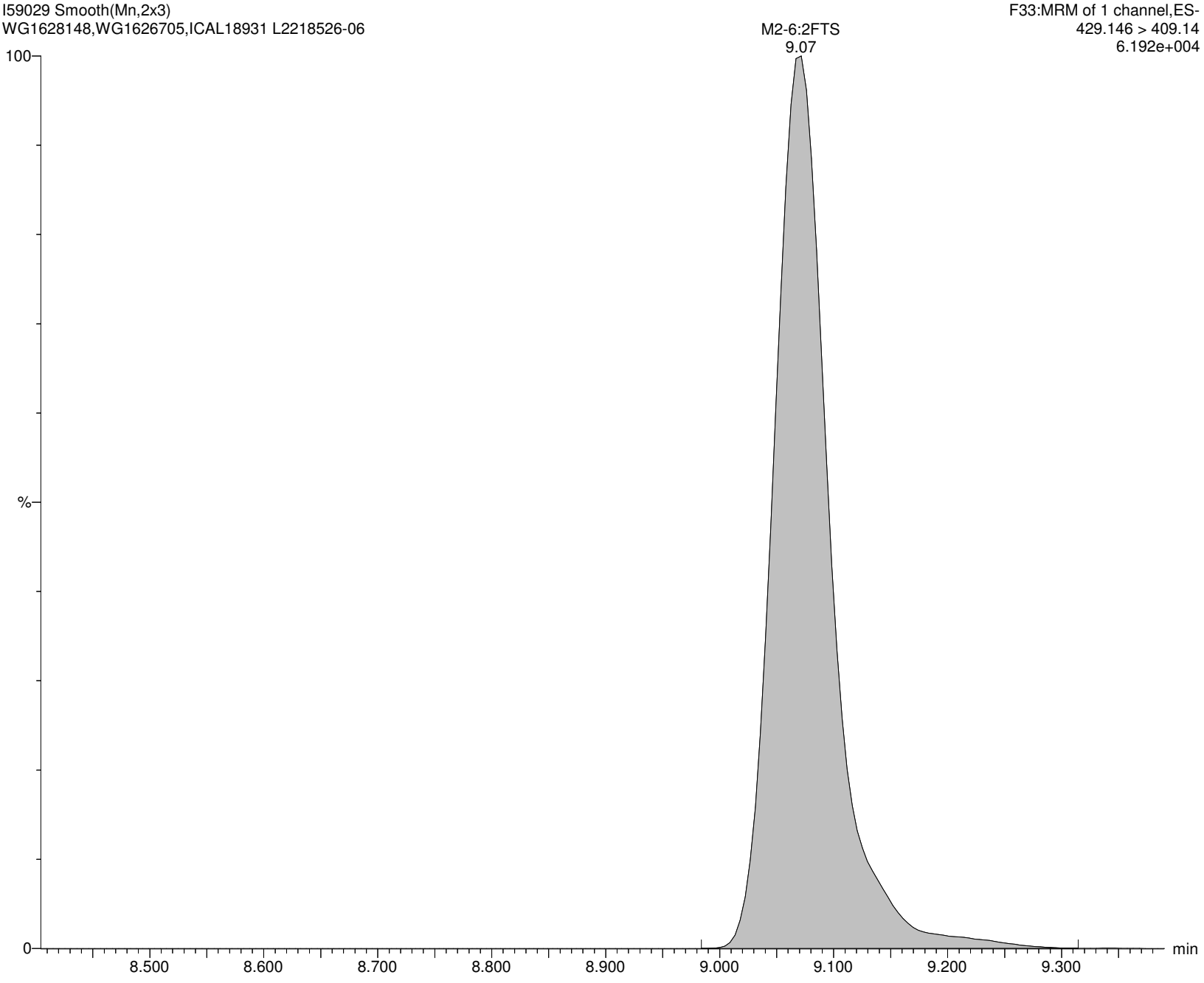


all concentration units in (ng/mL)

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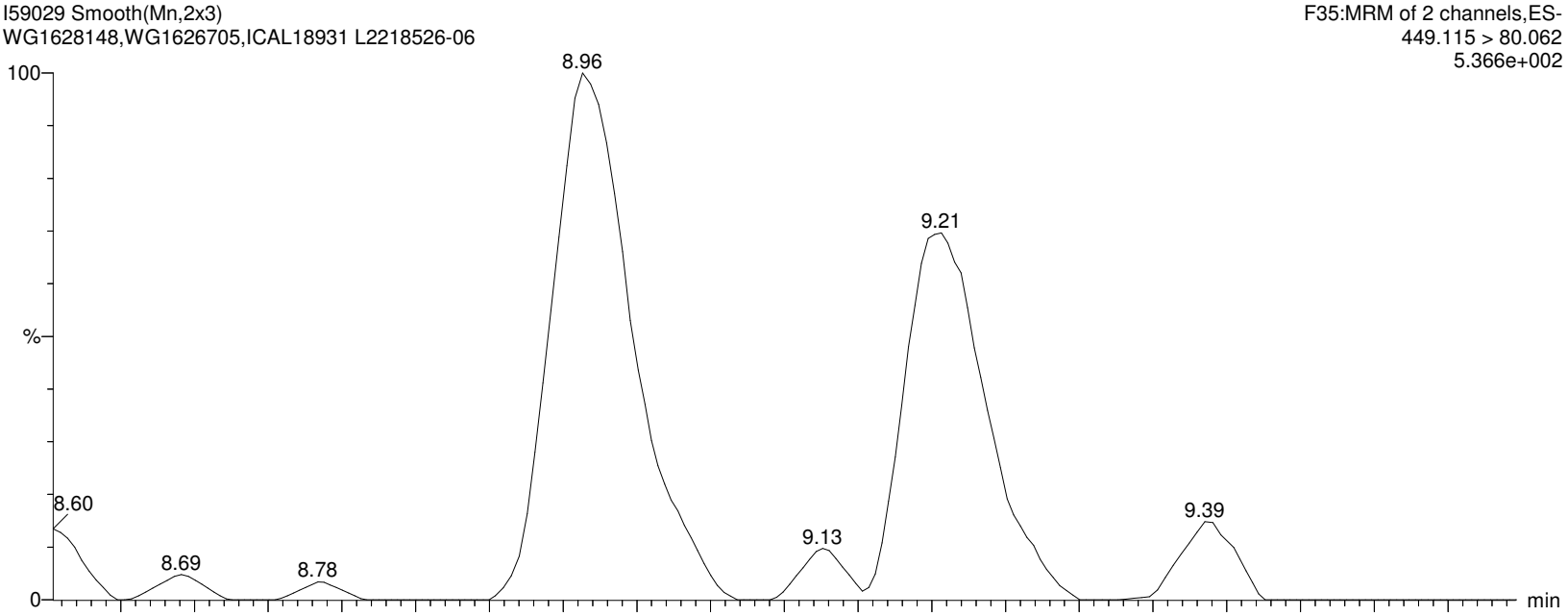


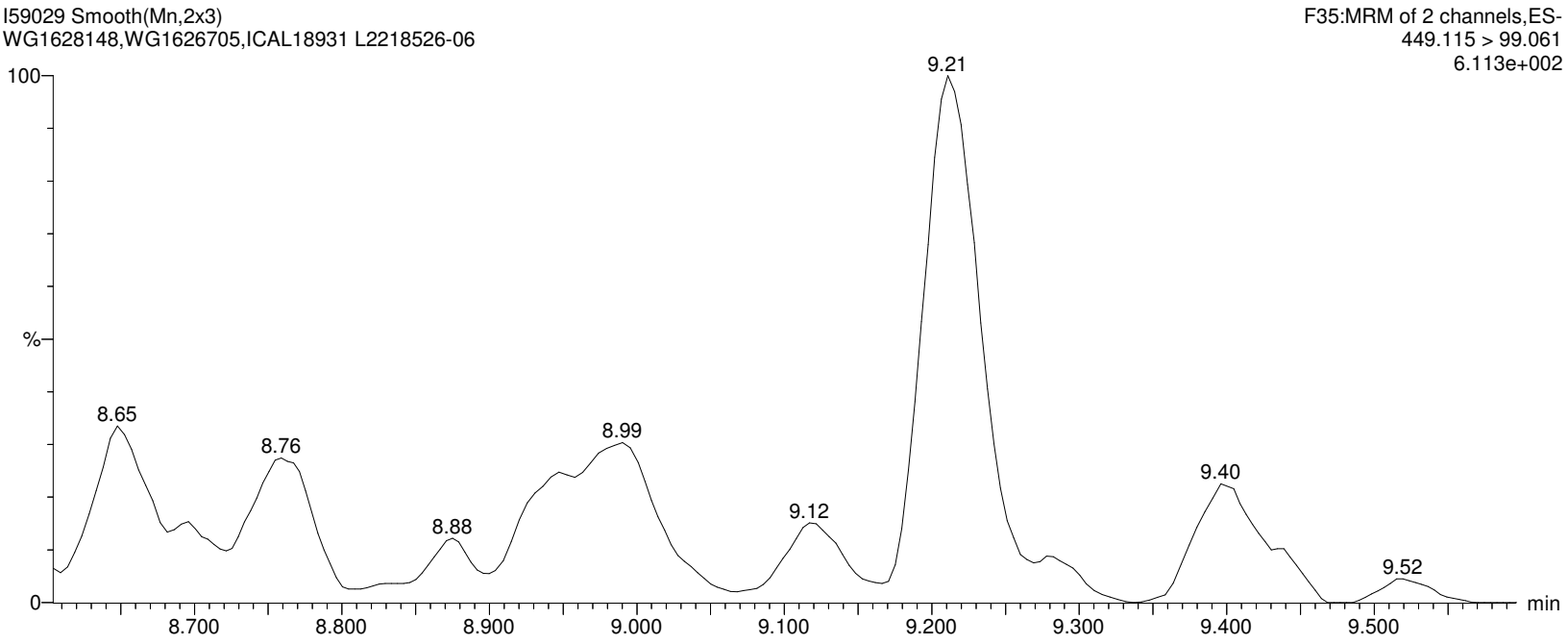
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:11 Eastern Daylight Time

Name: I59029
ID: L2218526-06
Date: 18-Apr-2022
Time: 01:17:55
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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PFHpS



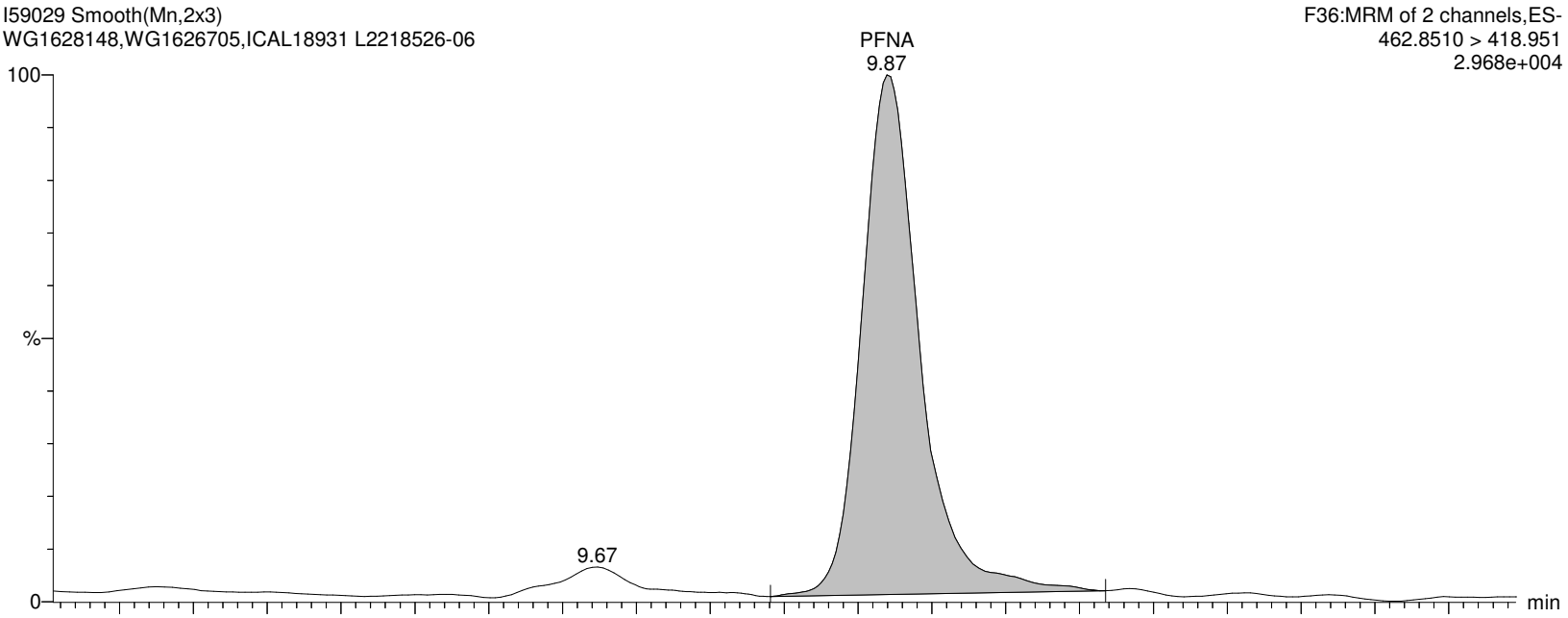


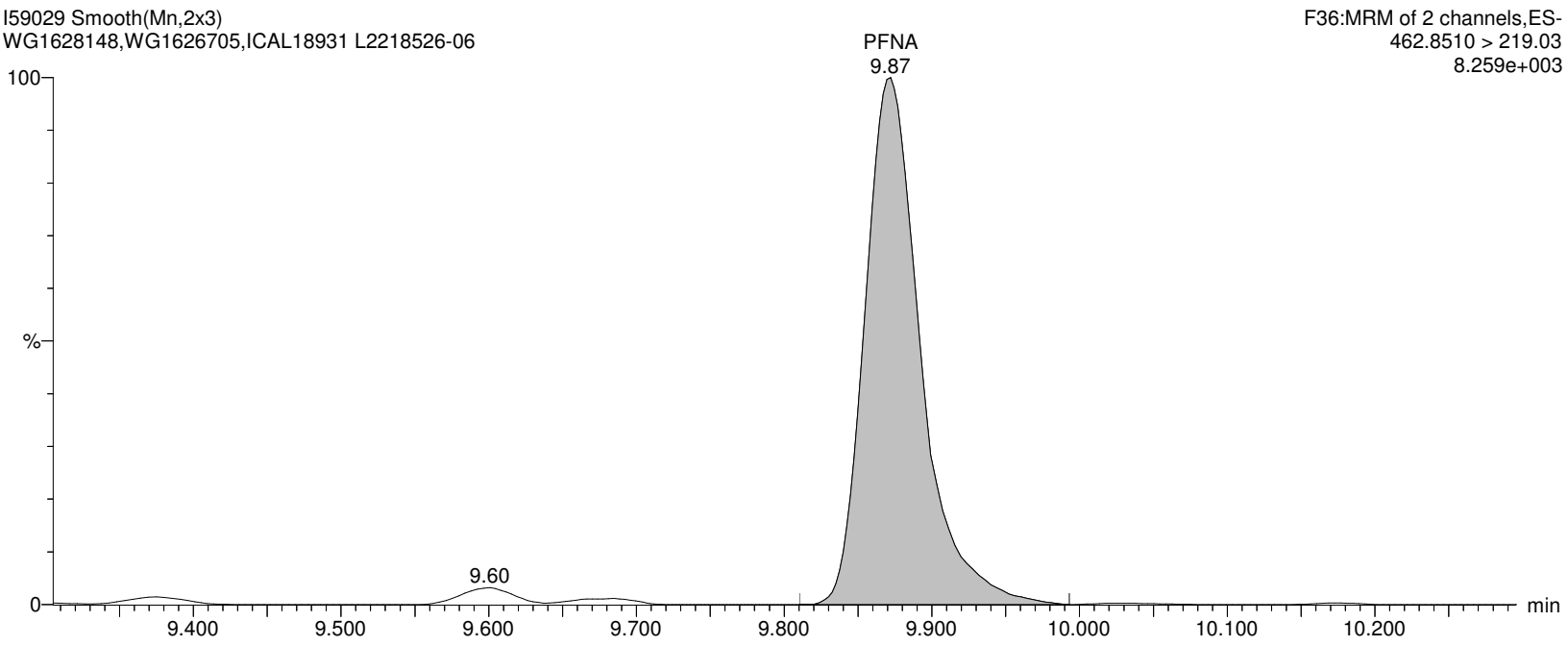
all concentration units in (ng/mL)

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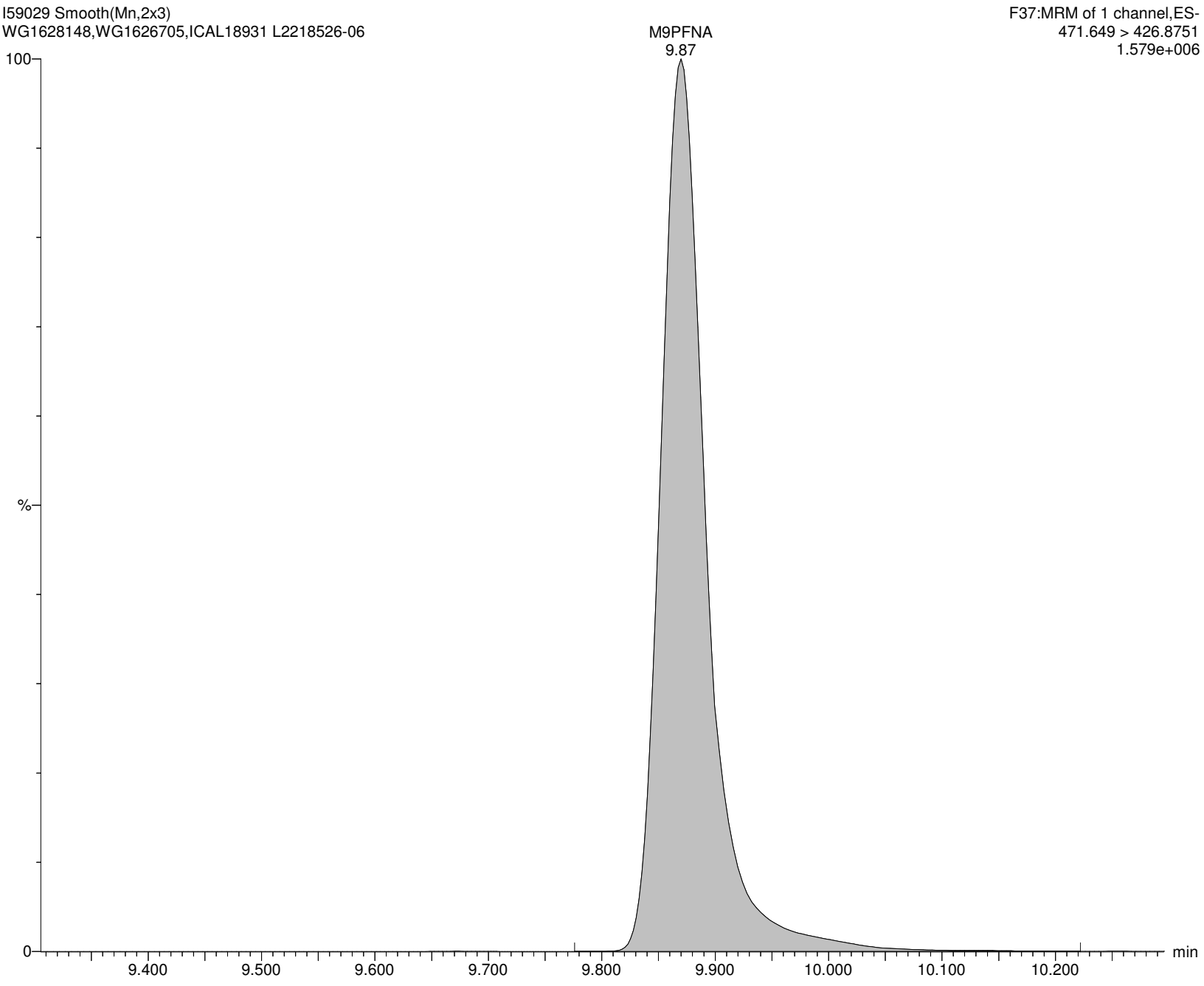


all concentration units in (ng/mL)

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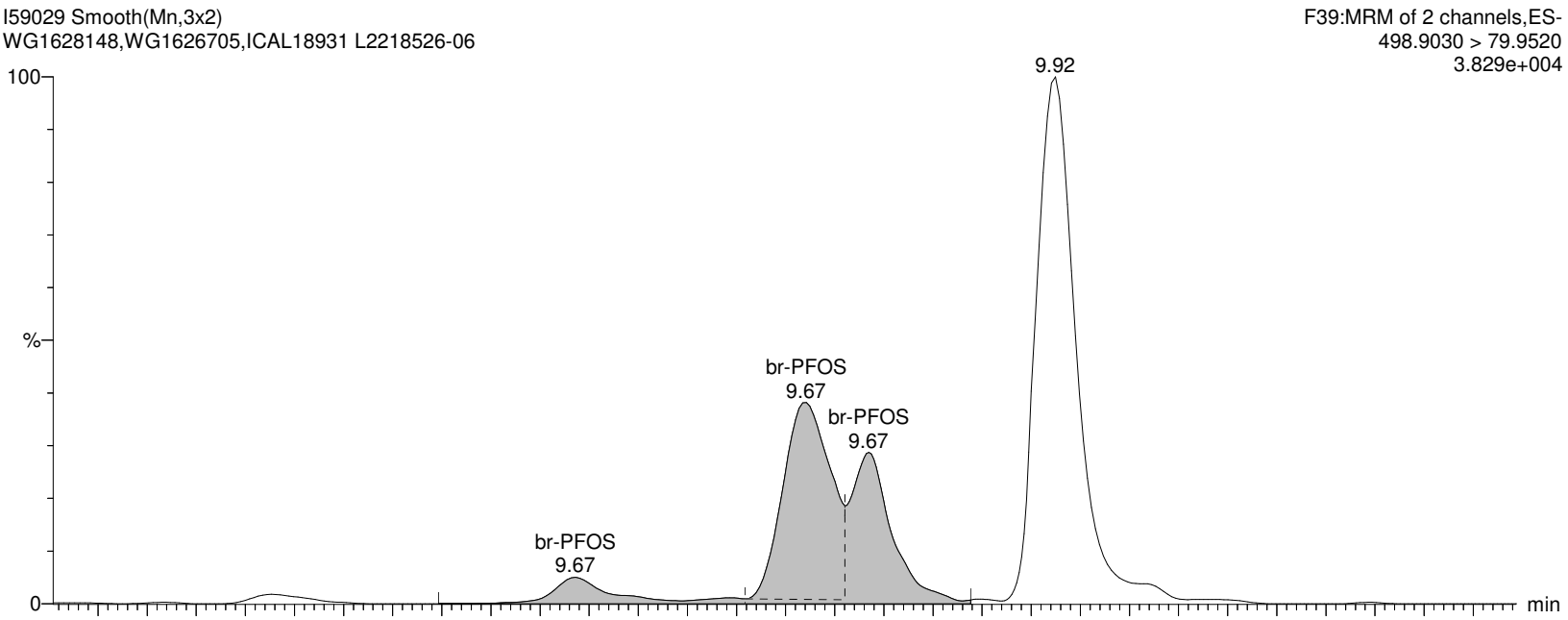


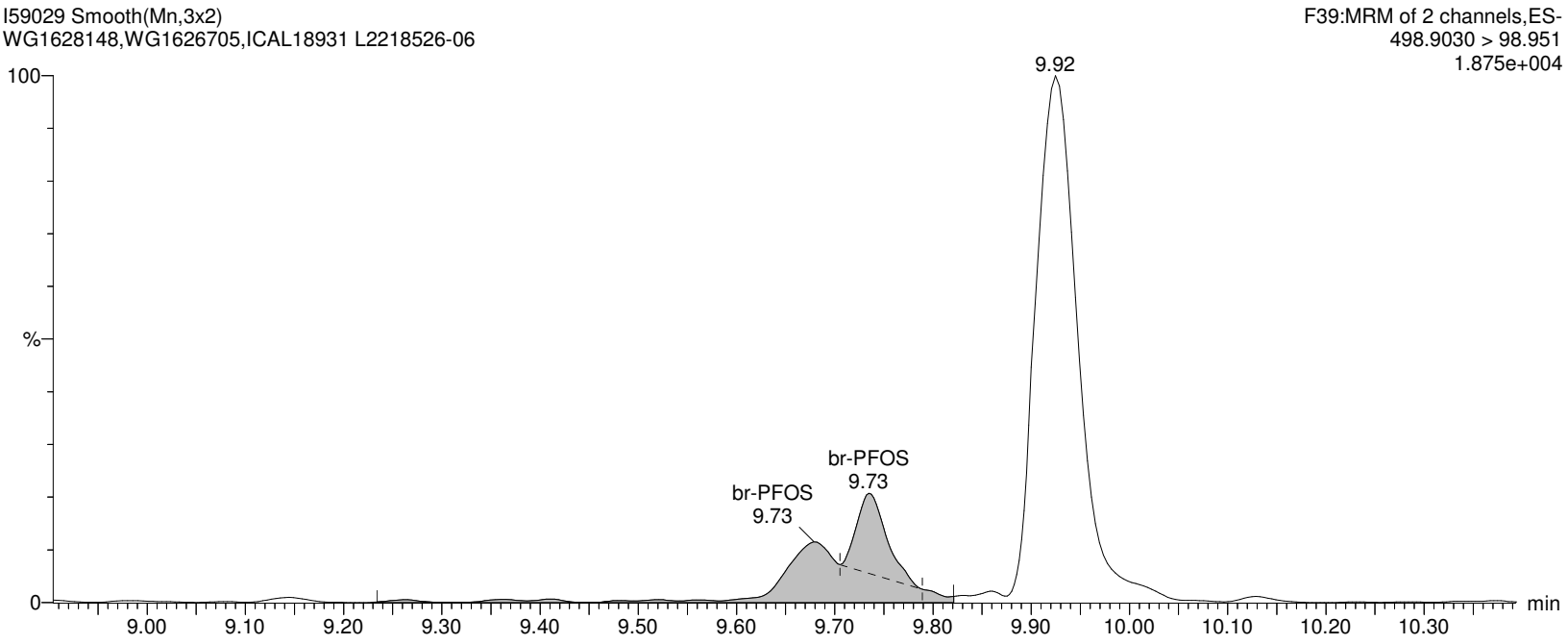
all concentration units in (ng/mL)

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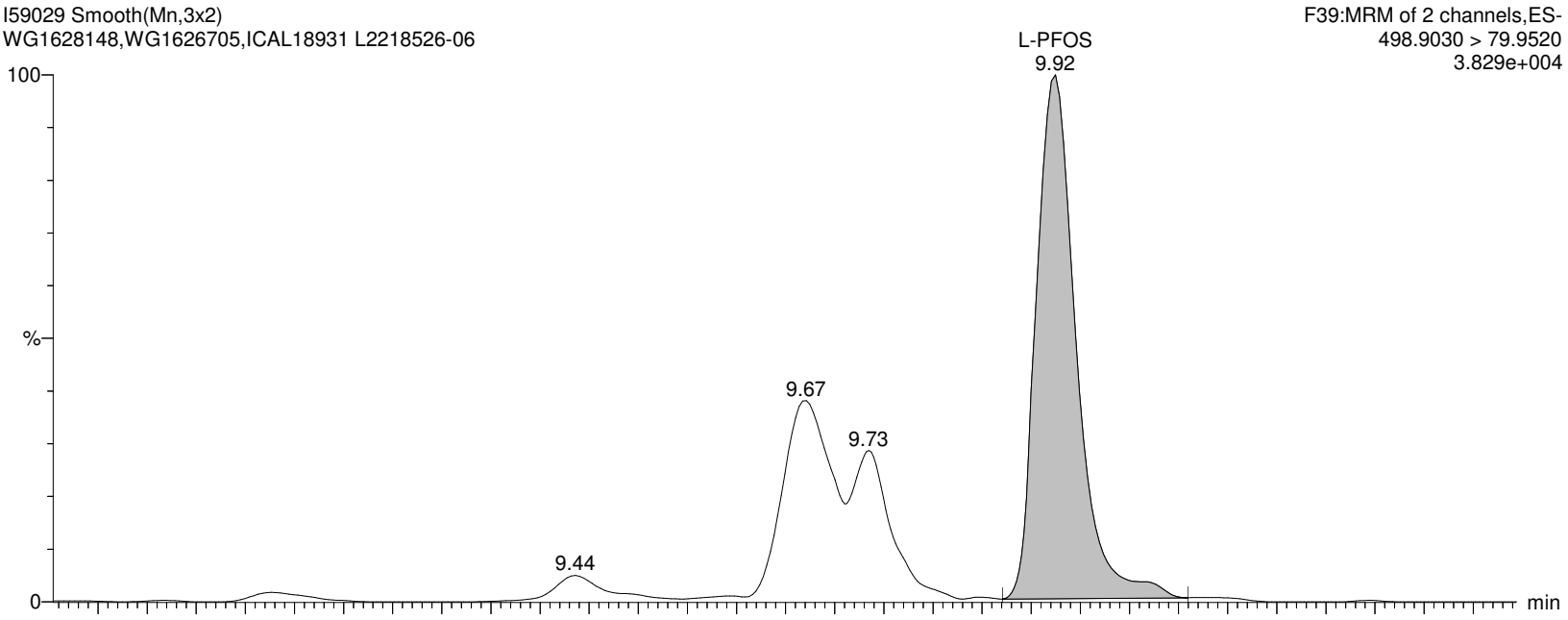


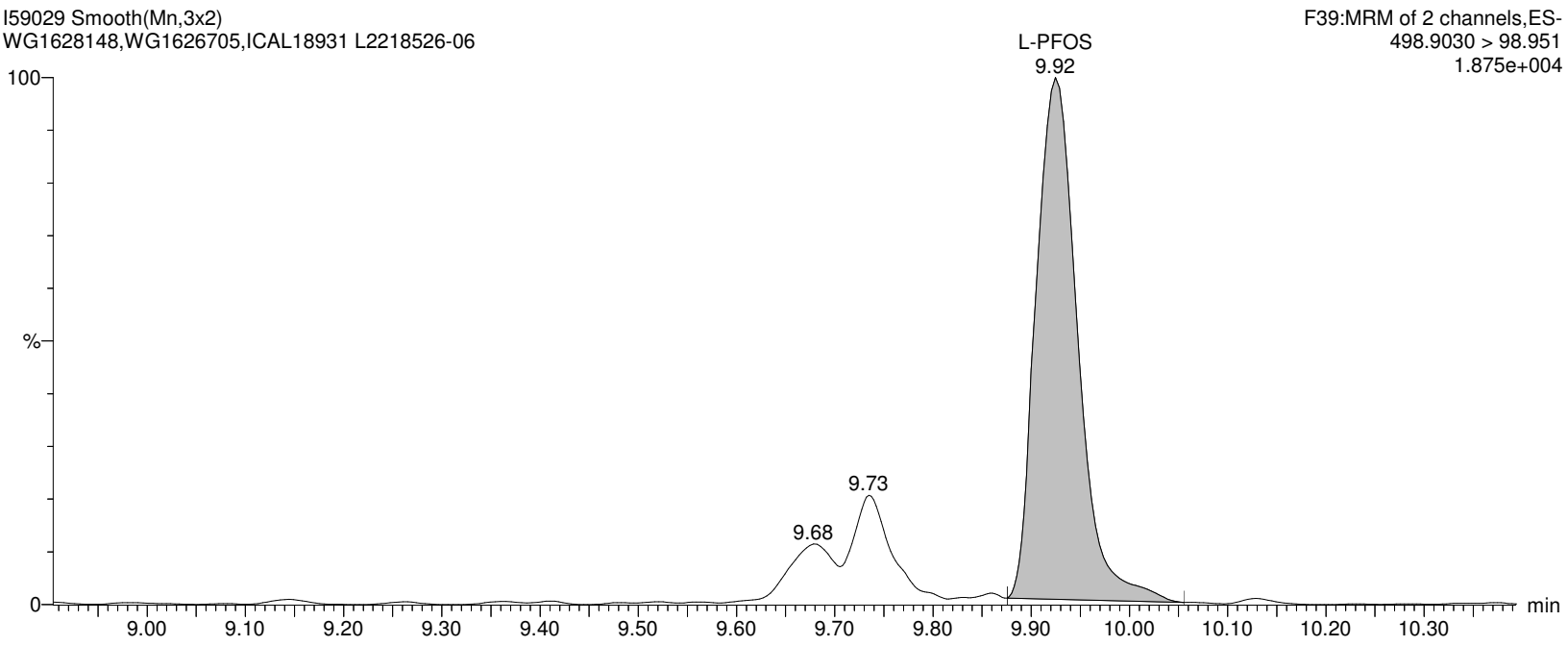
all concentration units in (ng/mL)

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L-PFOS



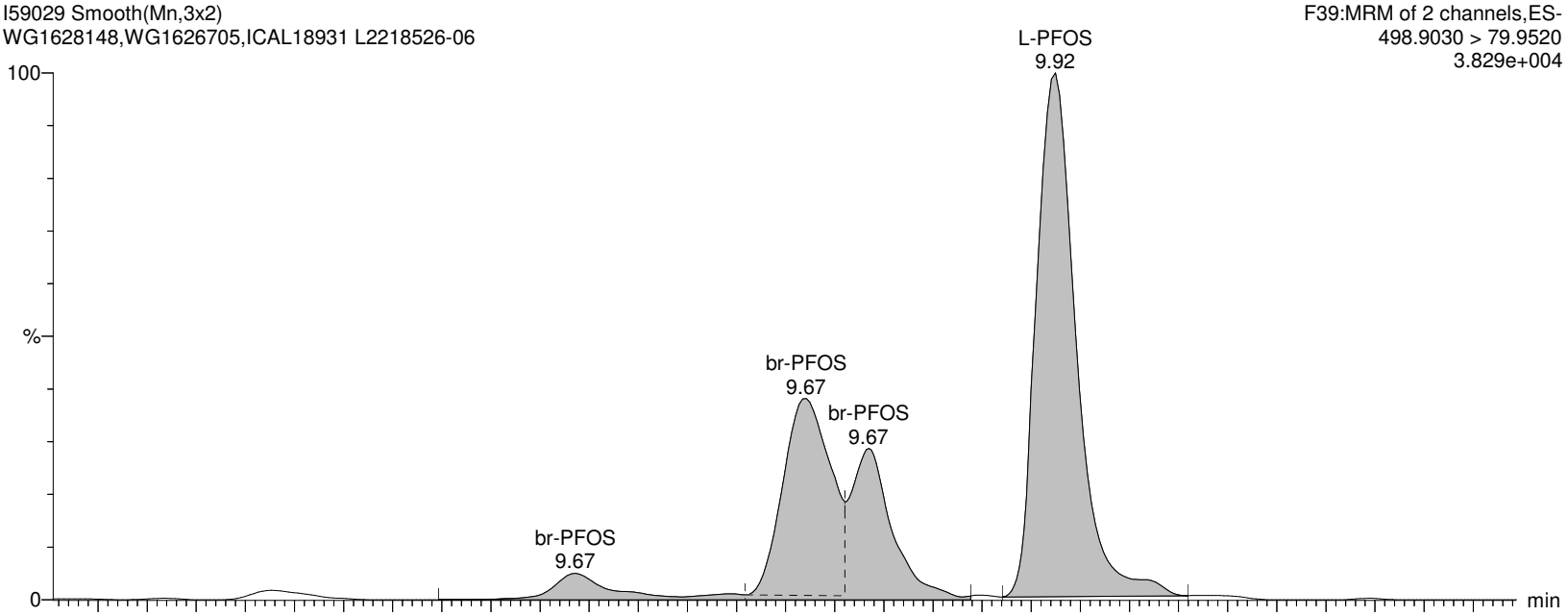


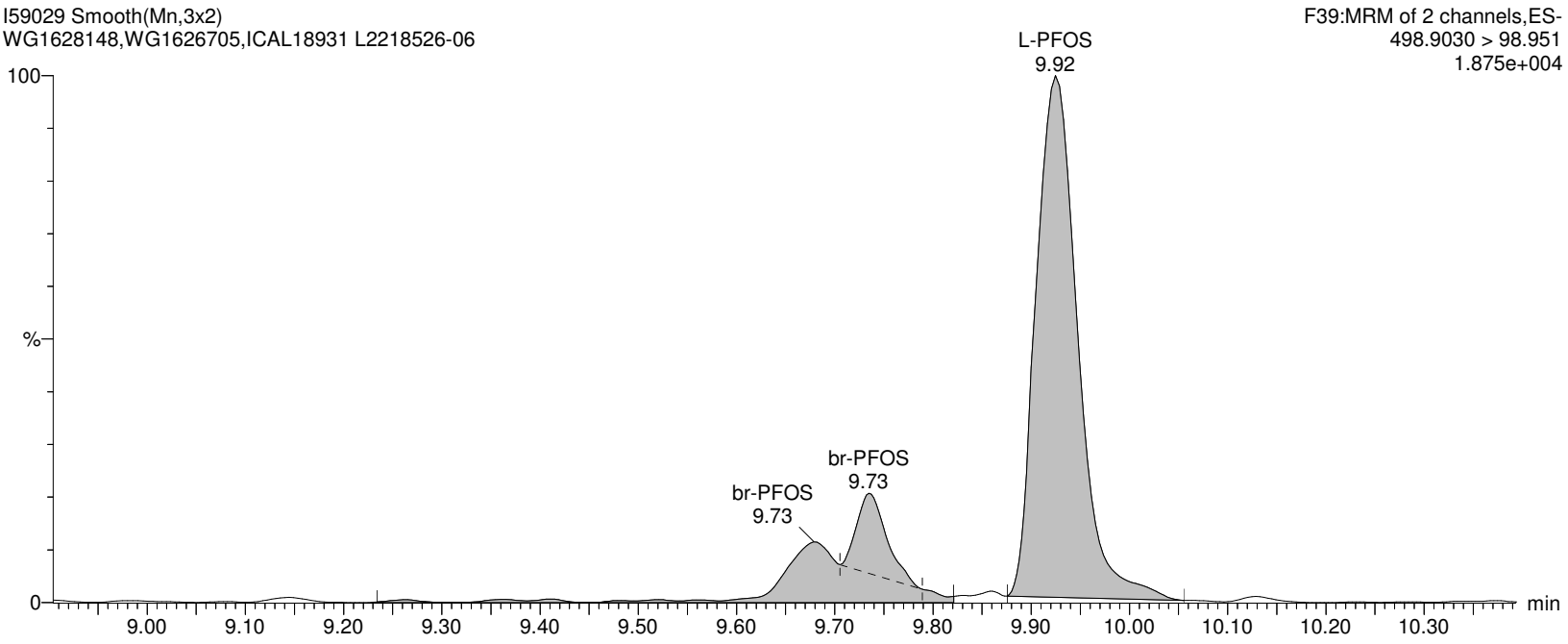
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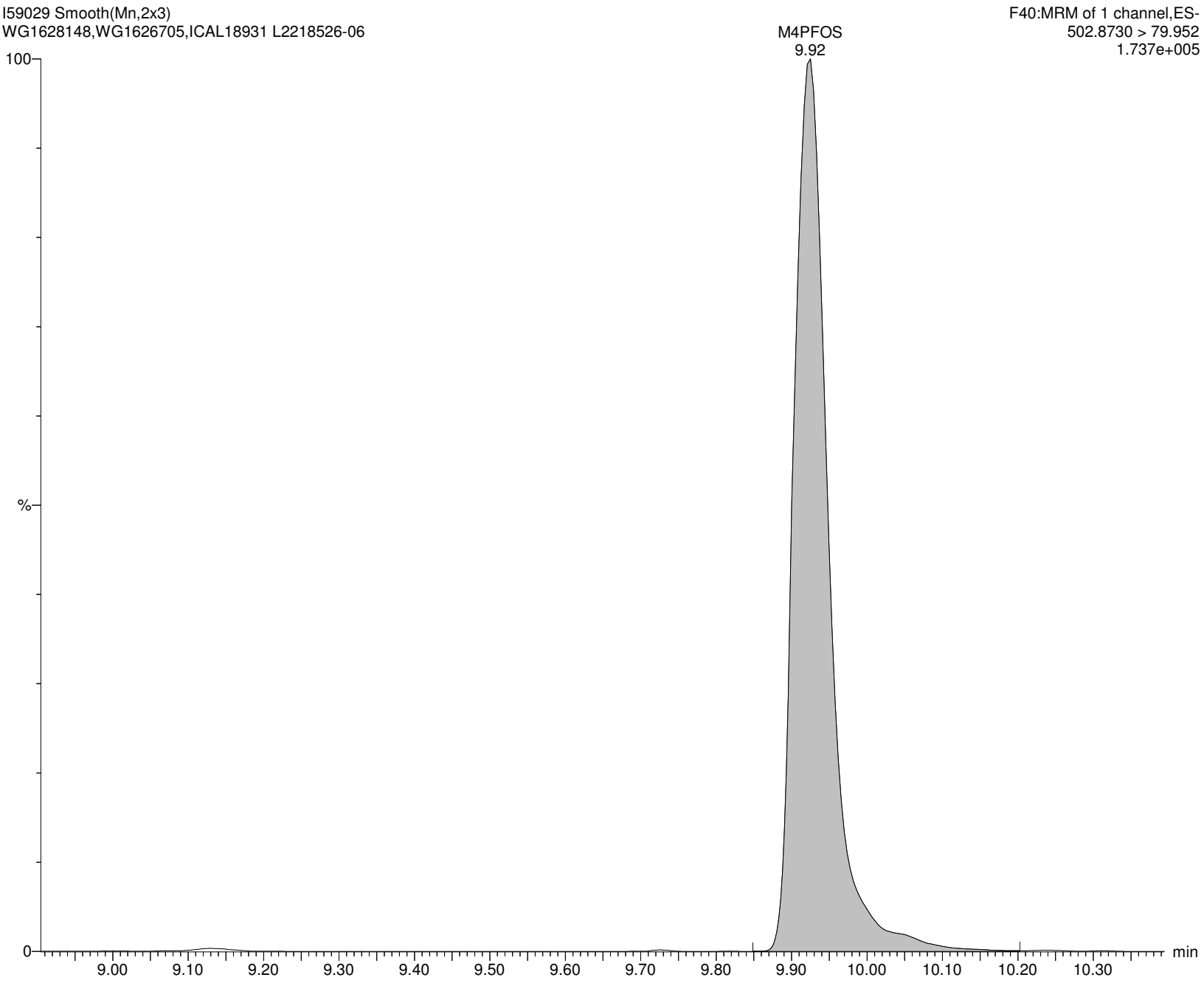


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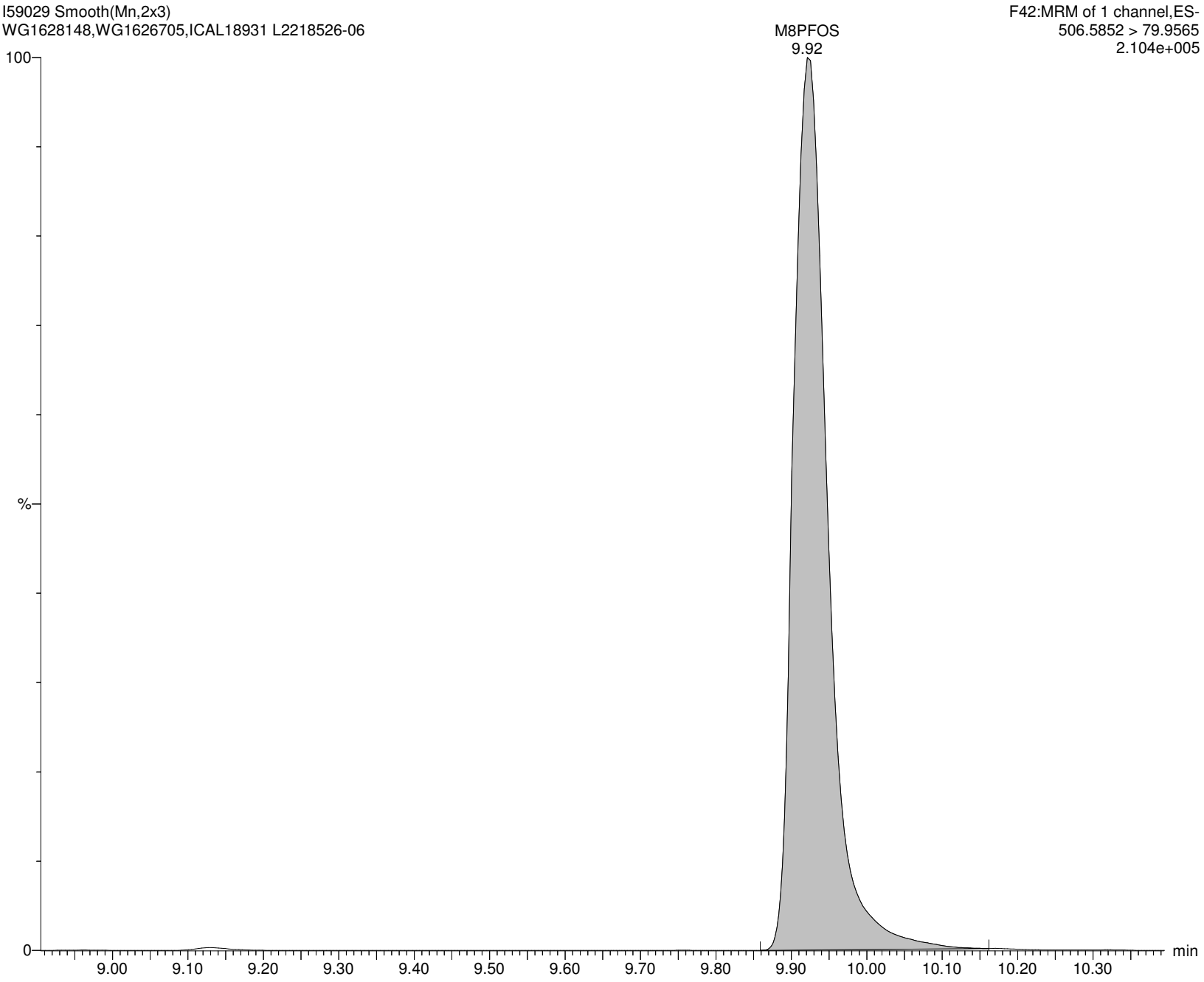


all concentration units in (ng/mL)

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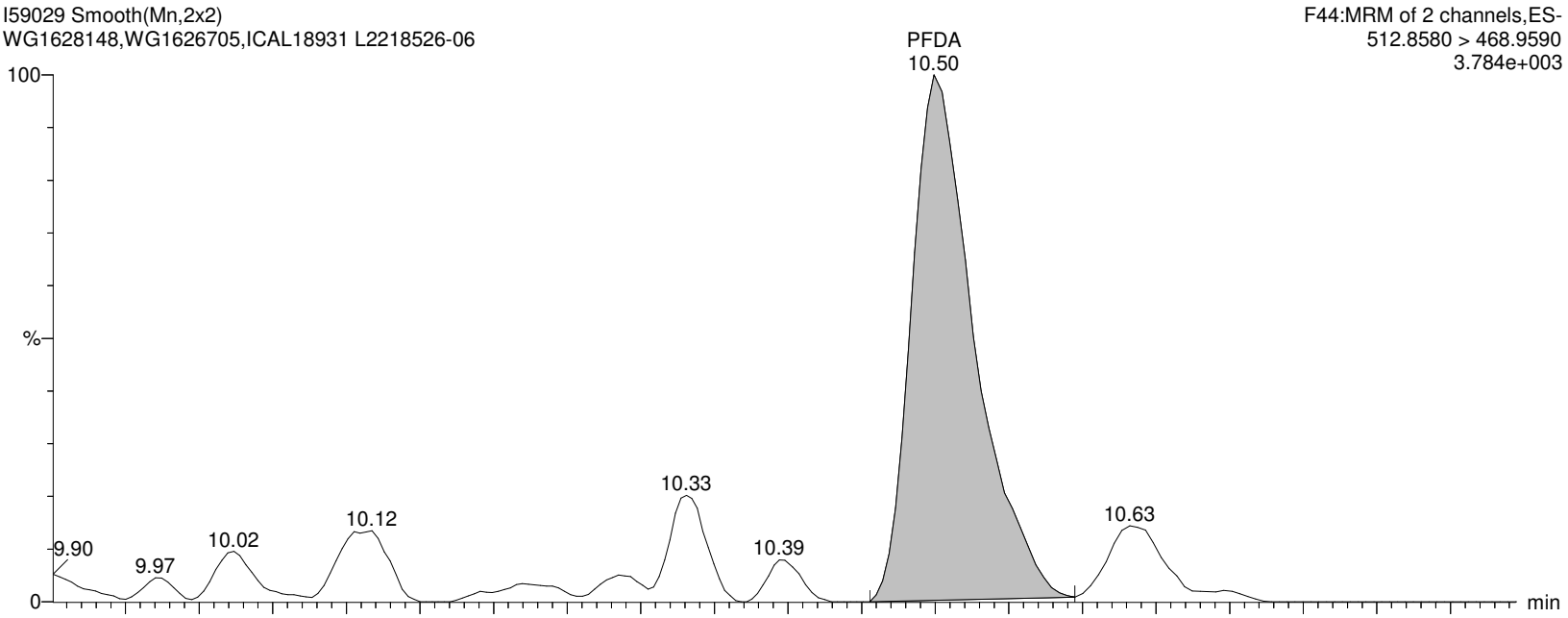


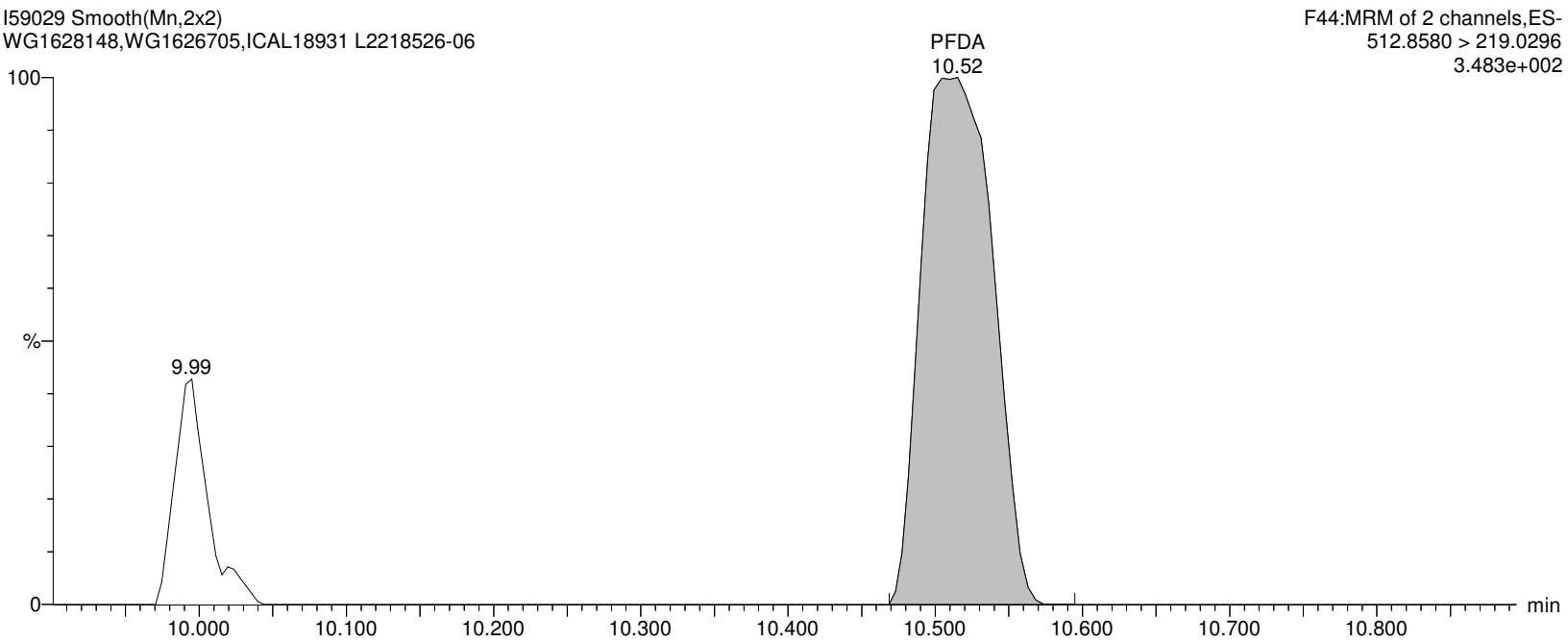
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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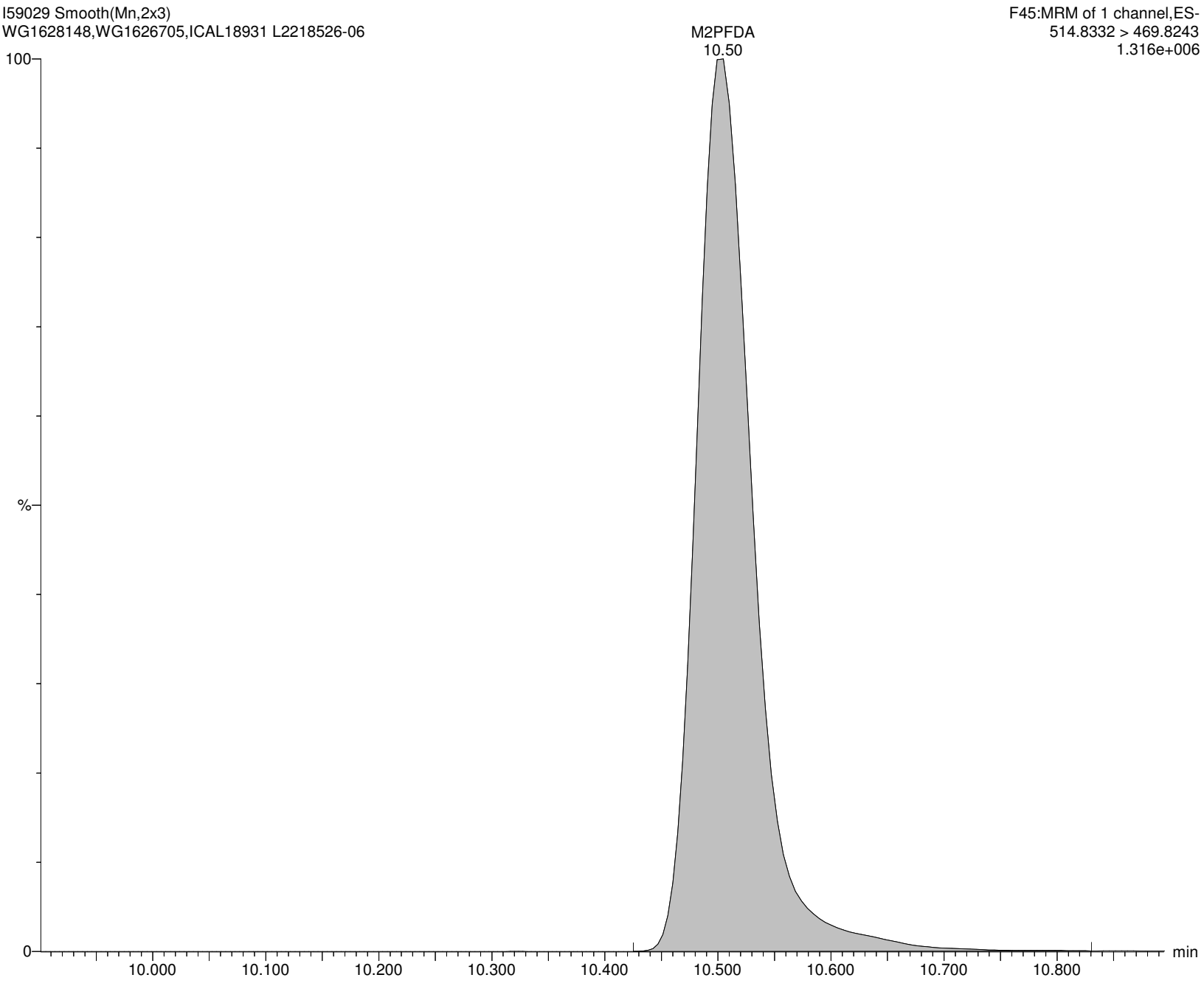


all concentration units in (ng/mL)

Alpha Analytical Inc.
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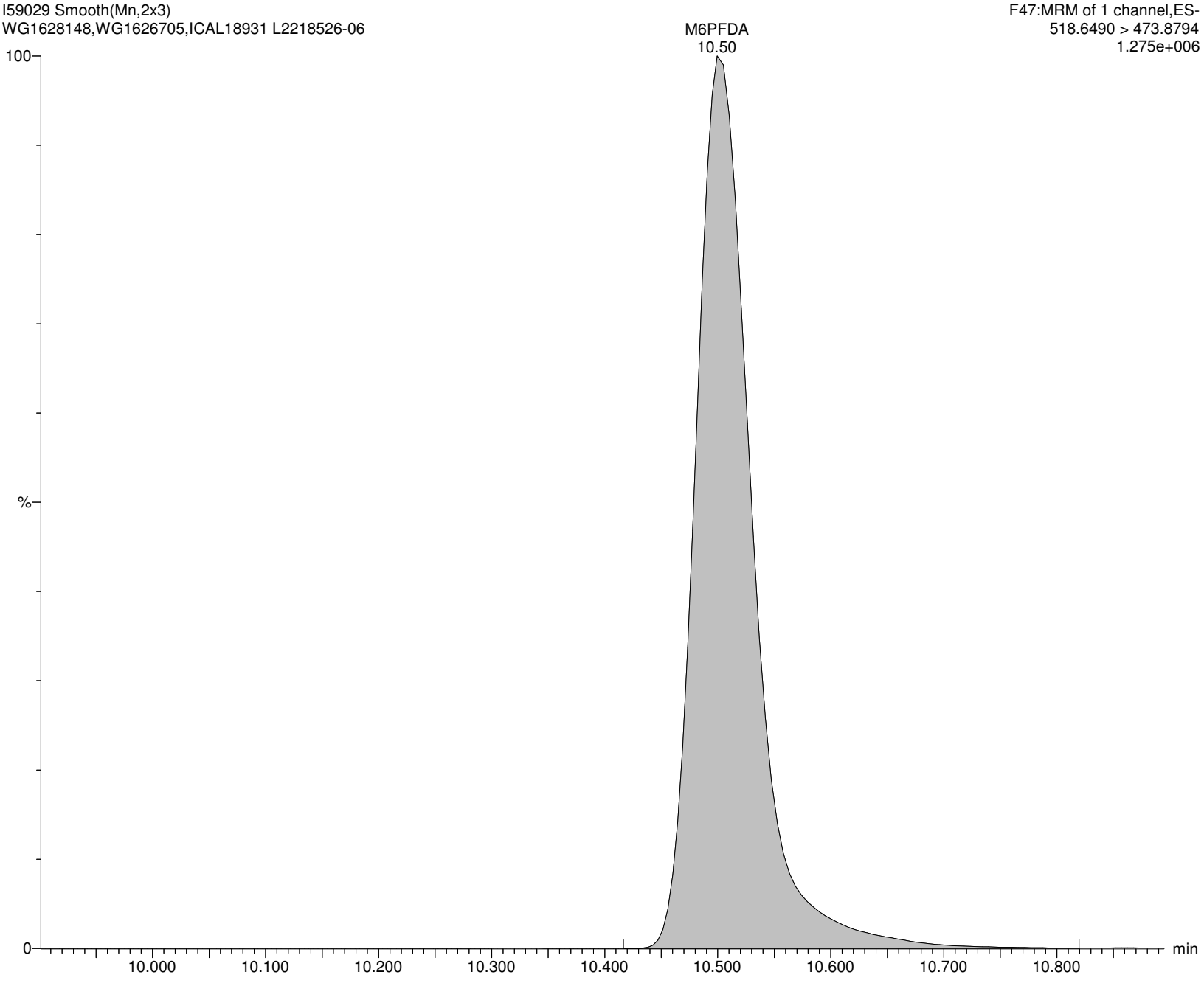


all concentration units in (ng/mL)

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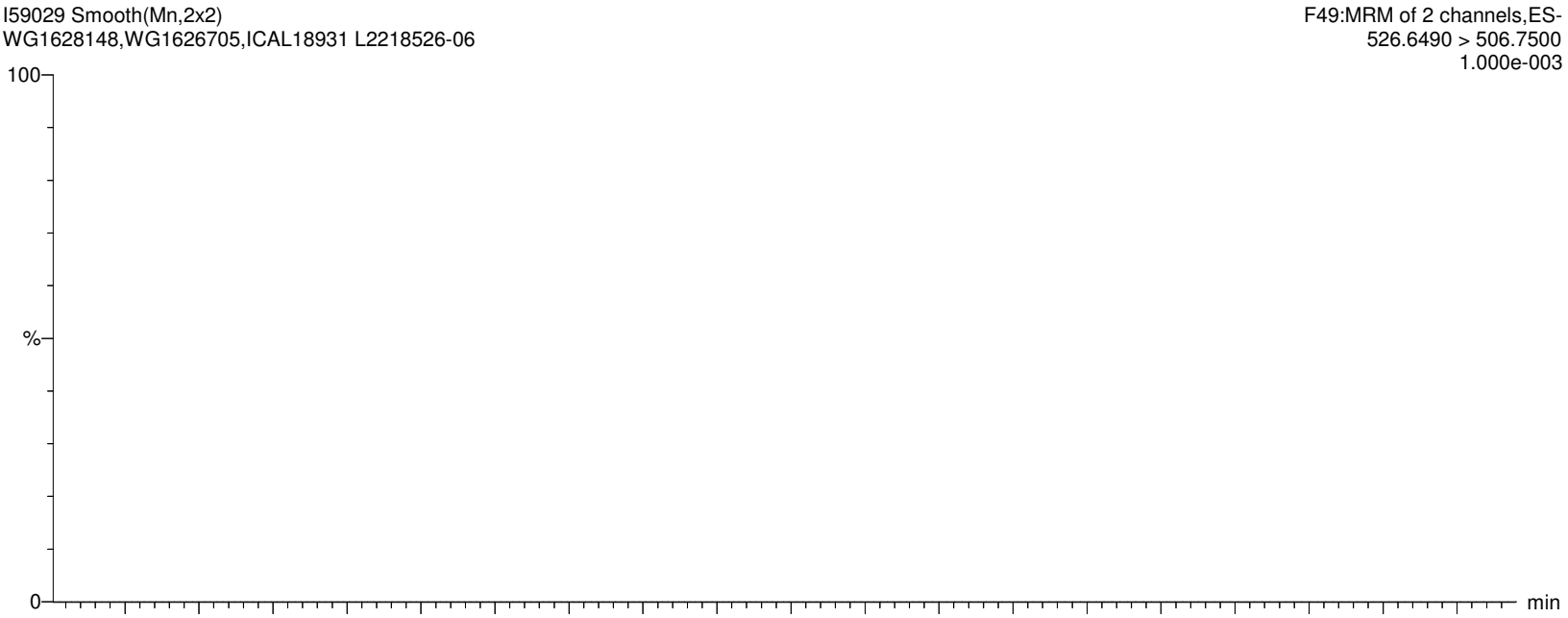


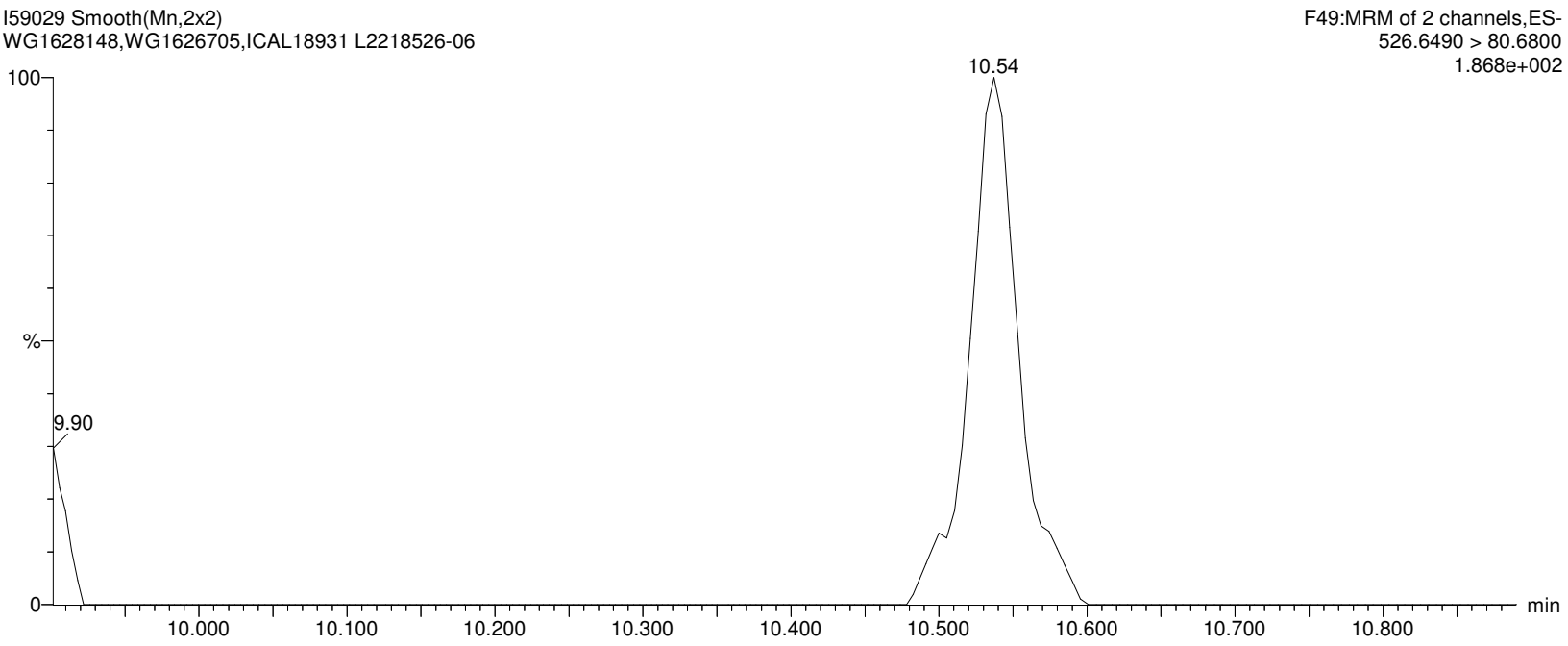
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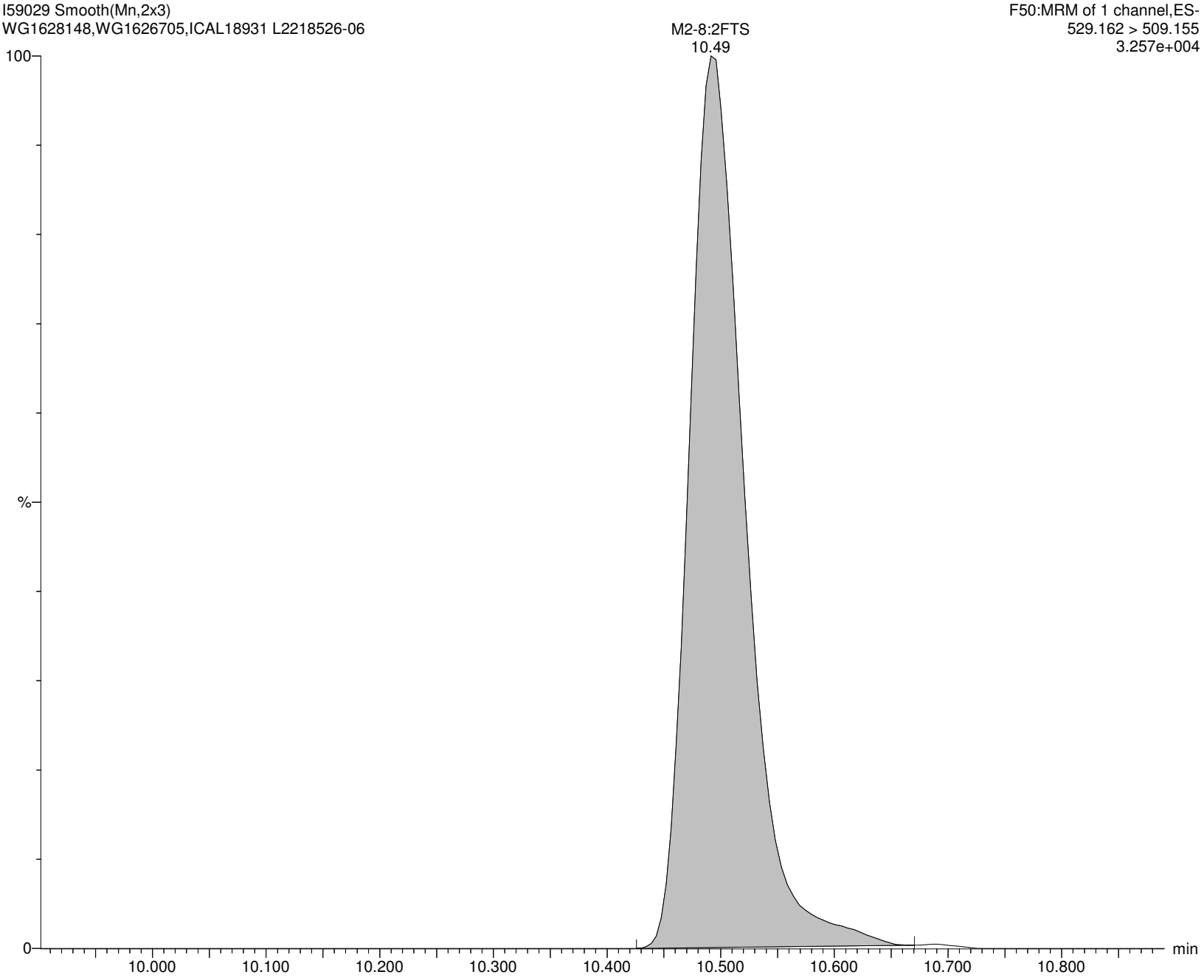


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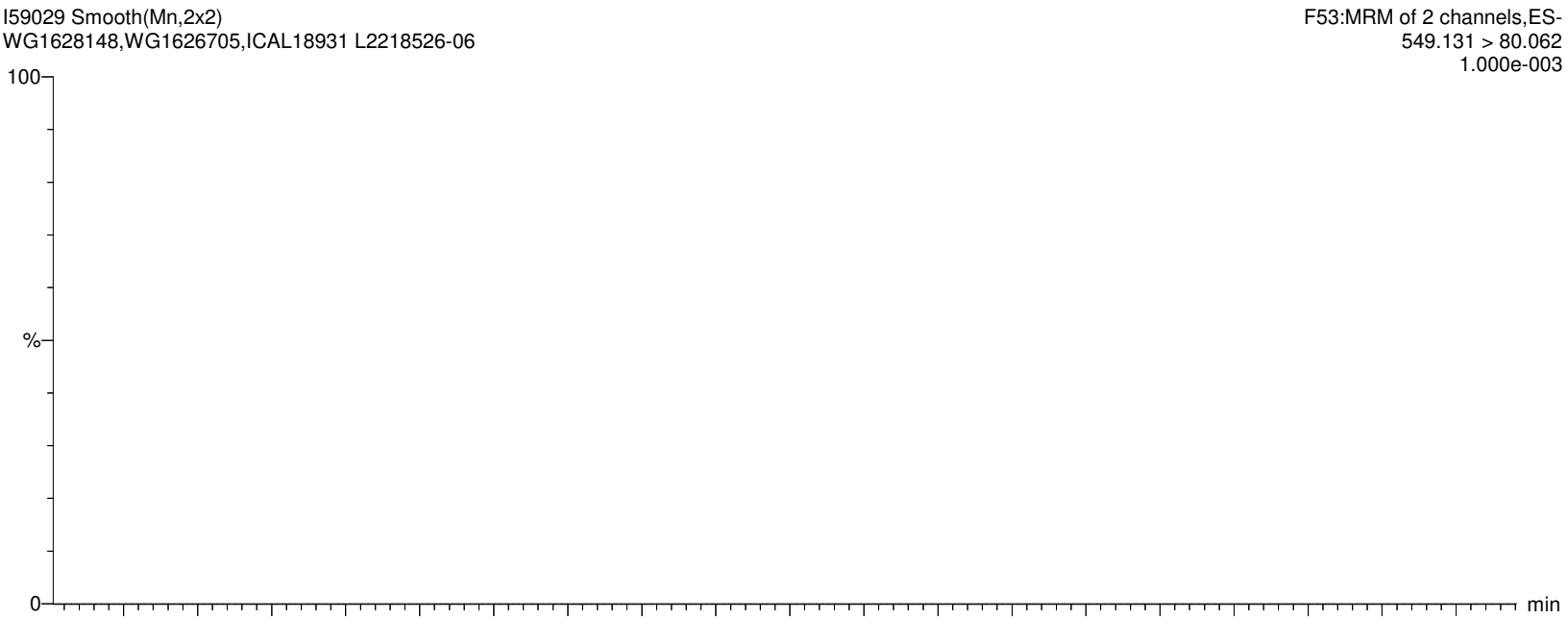


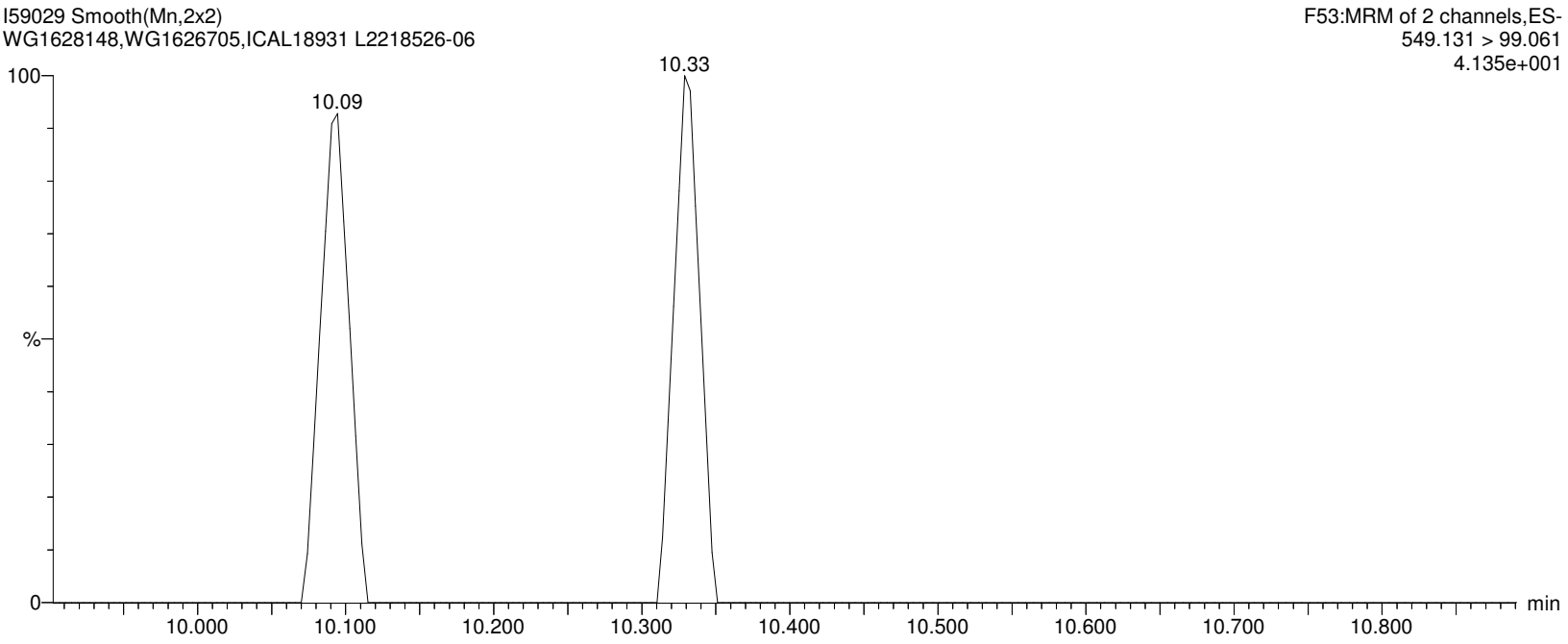
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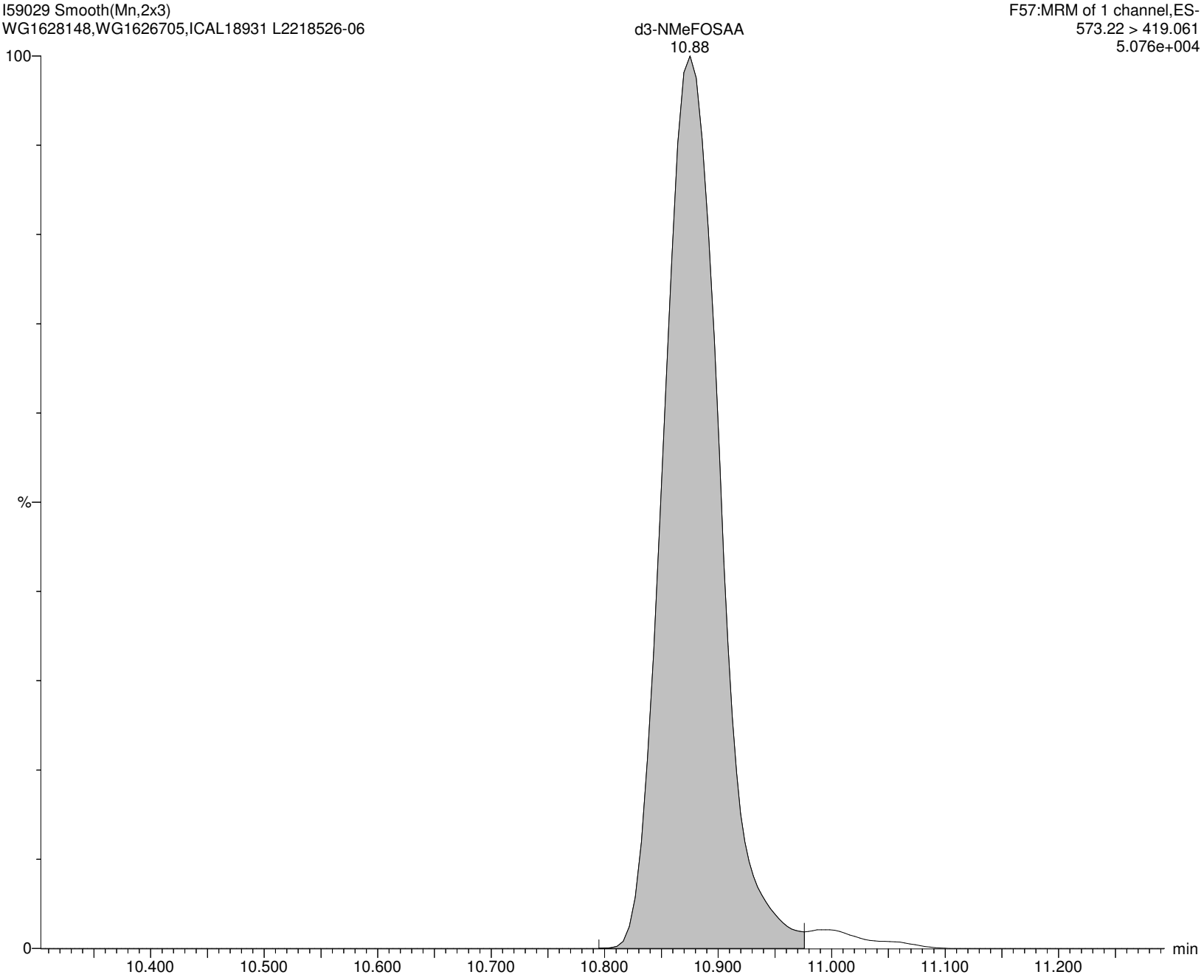


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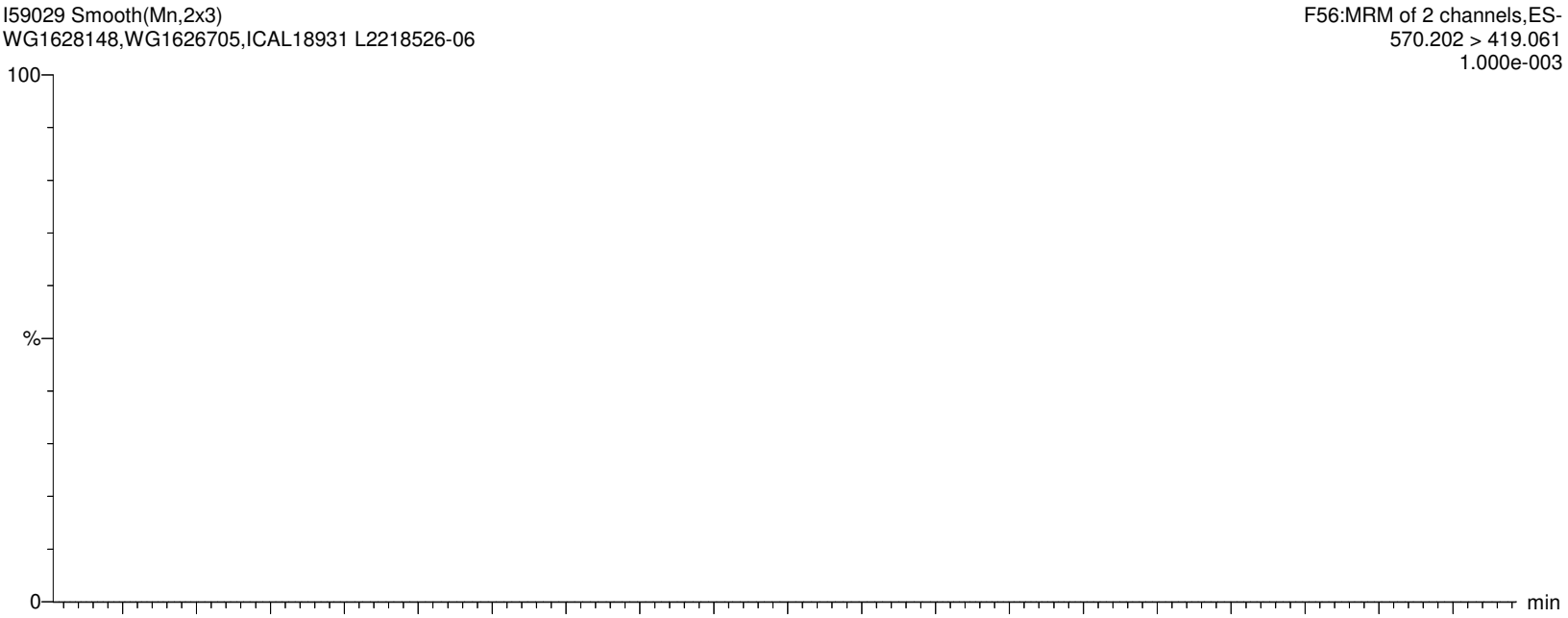


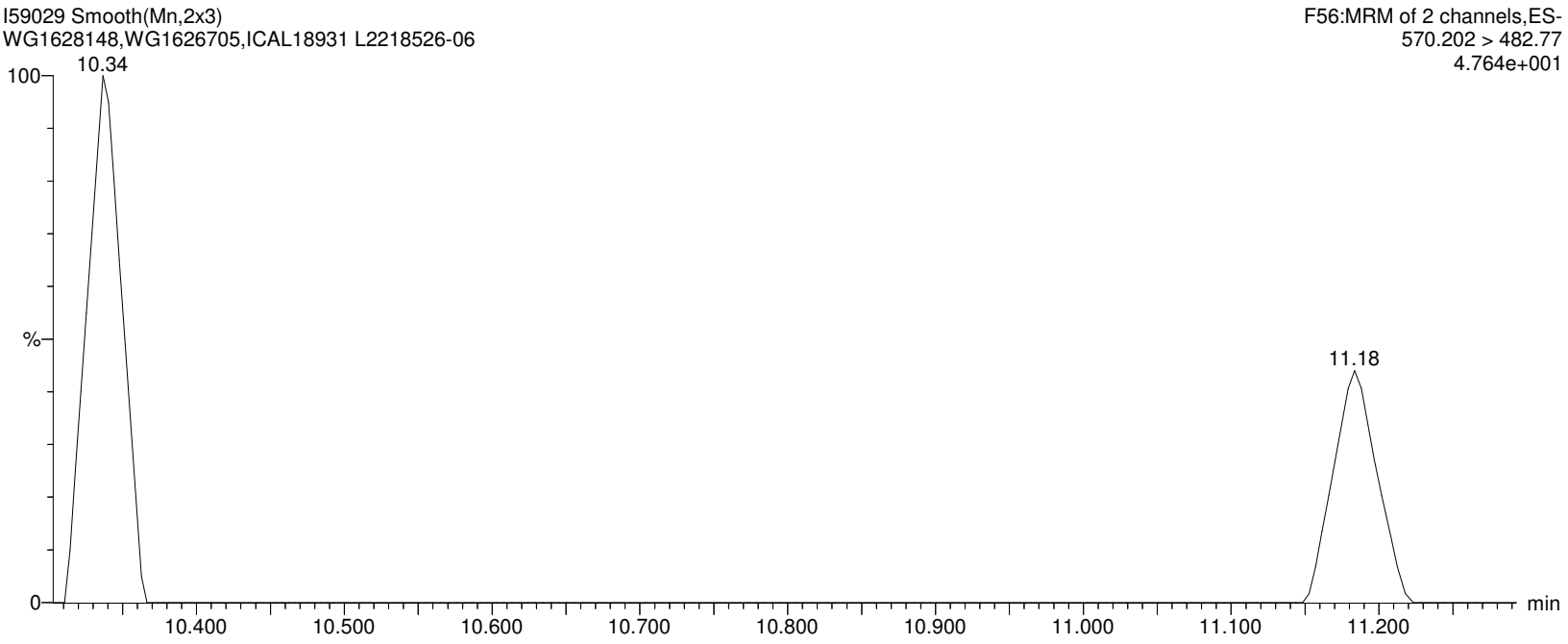
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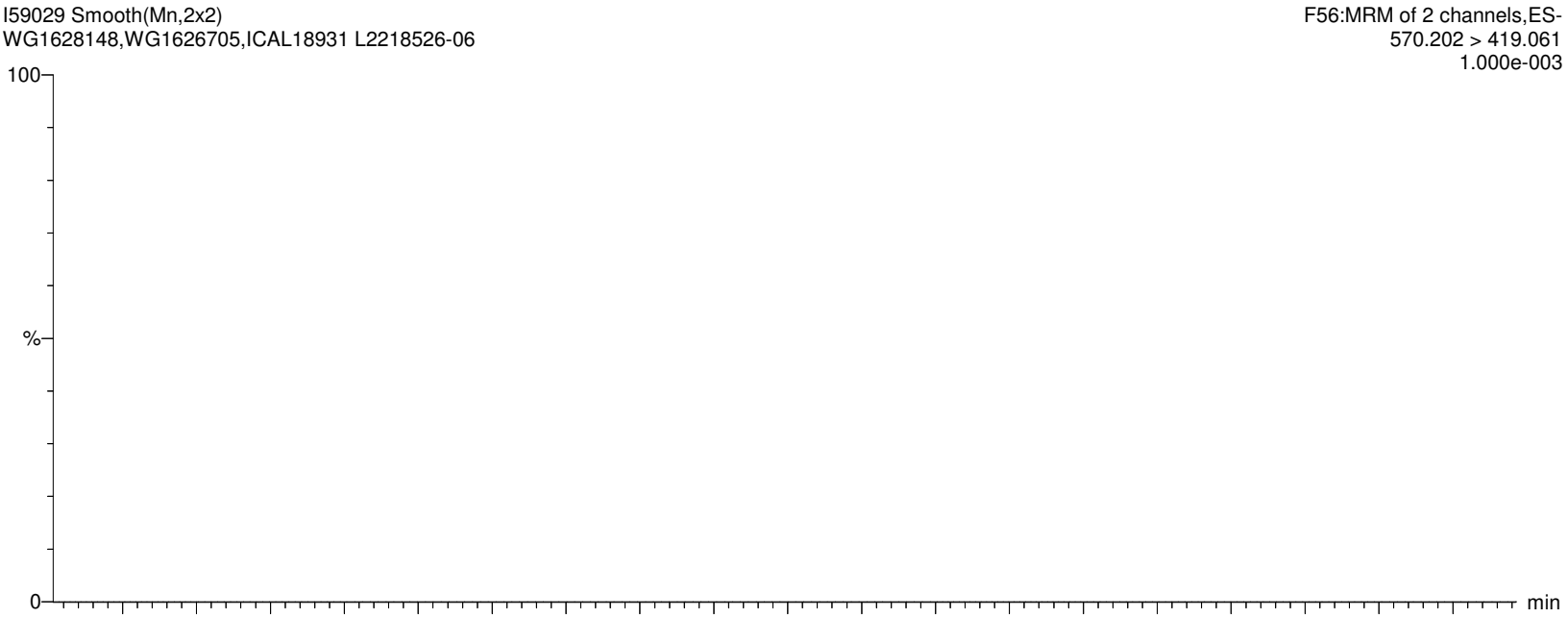


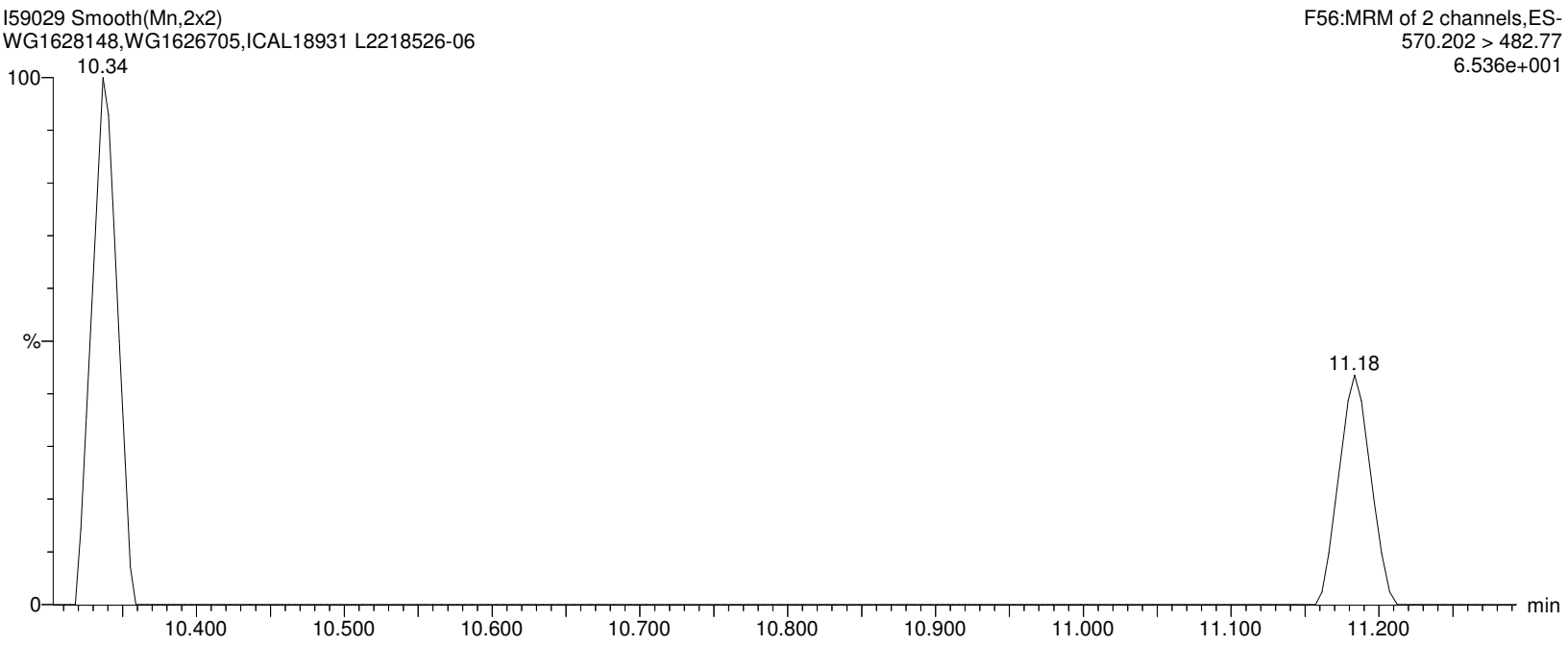
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 18-Apr-2022
Time: 01:17:55
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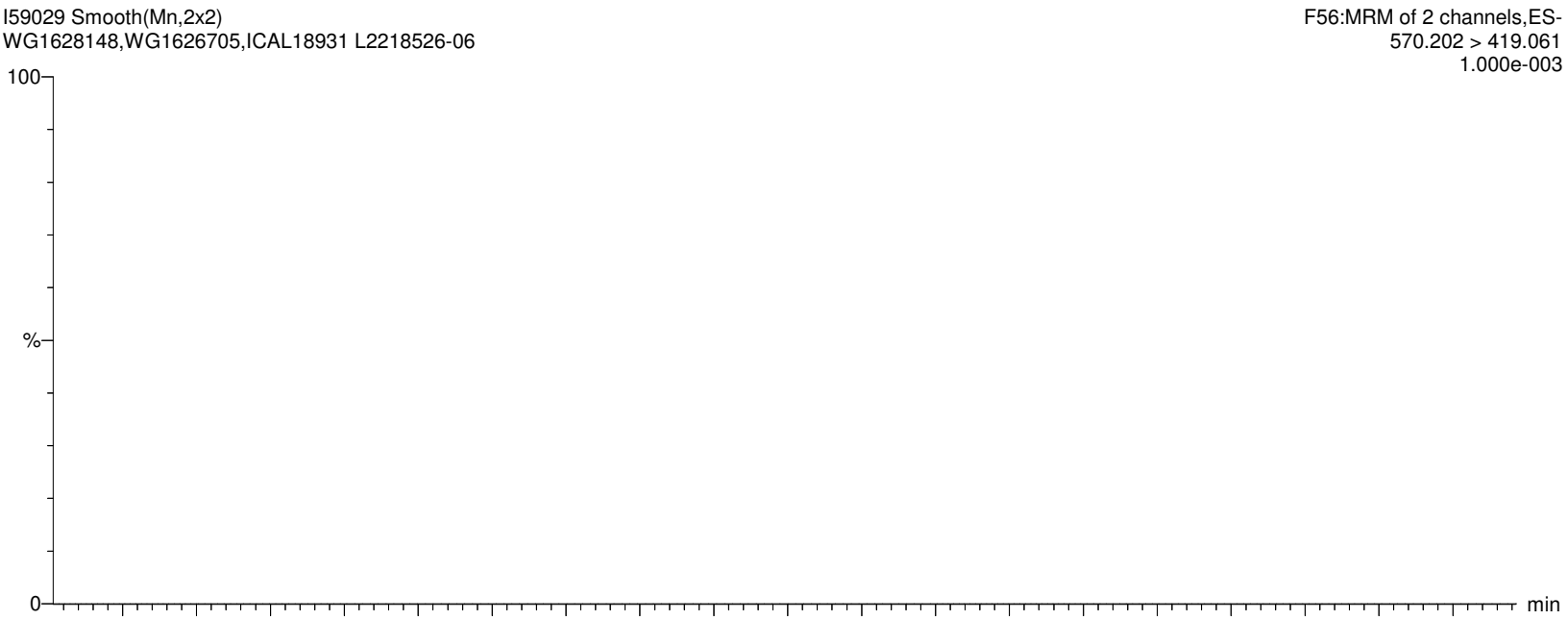


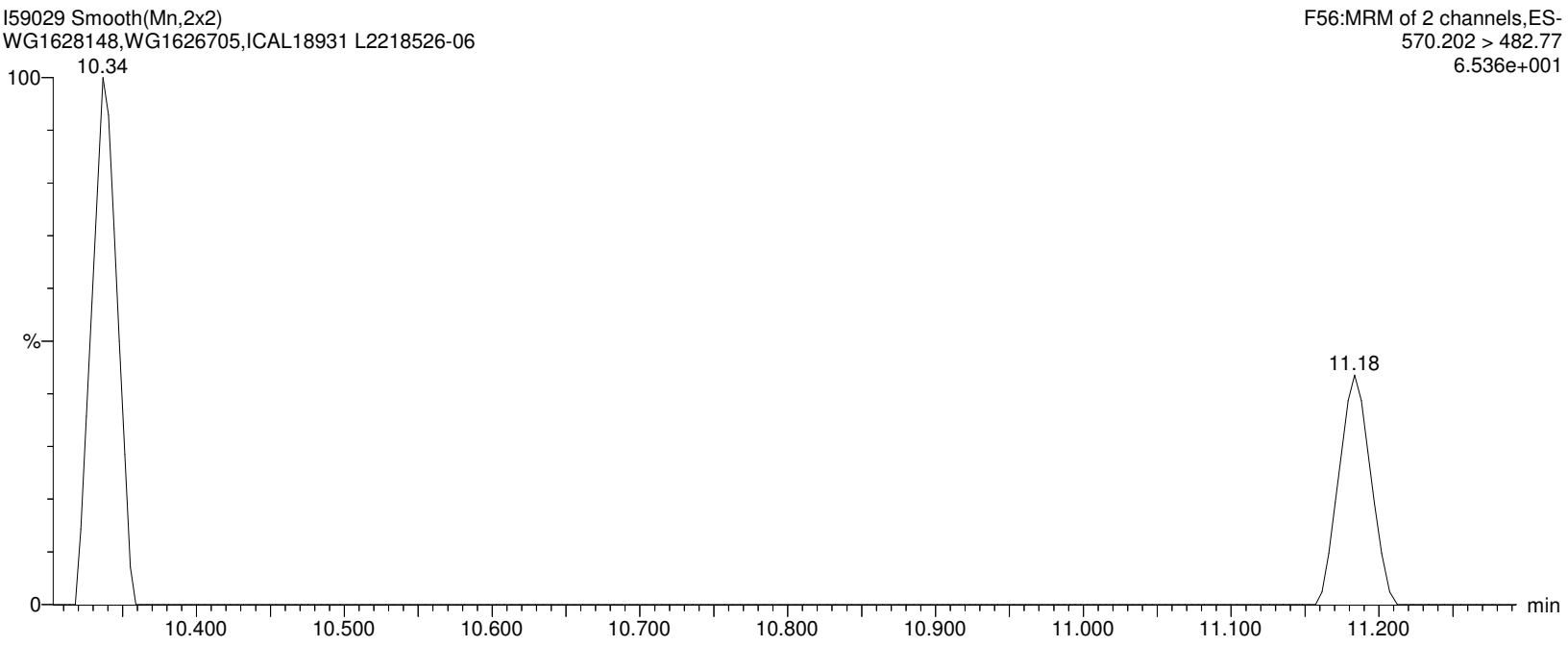
all concentration units in (ng/mL)

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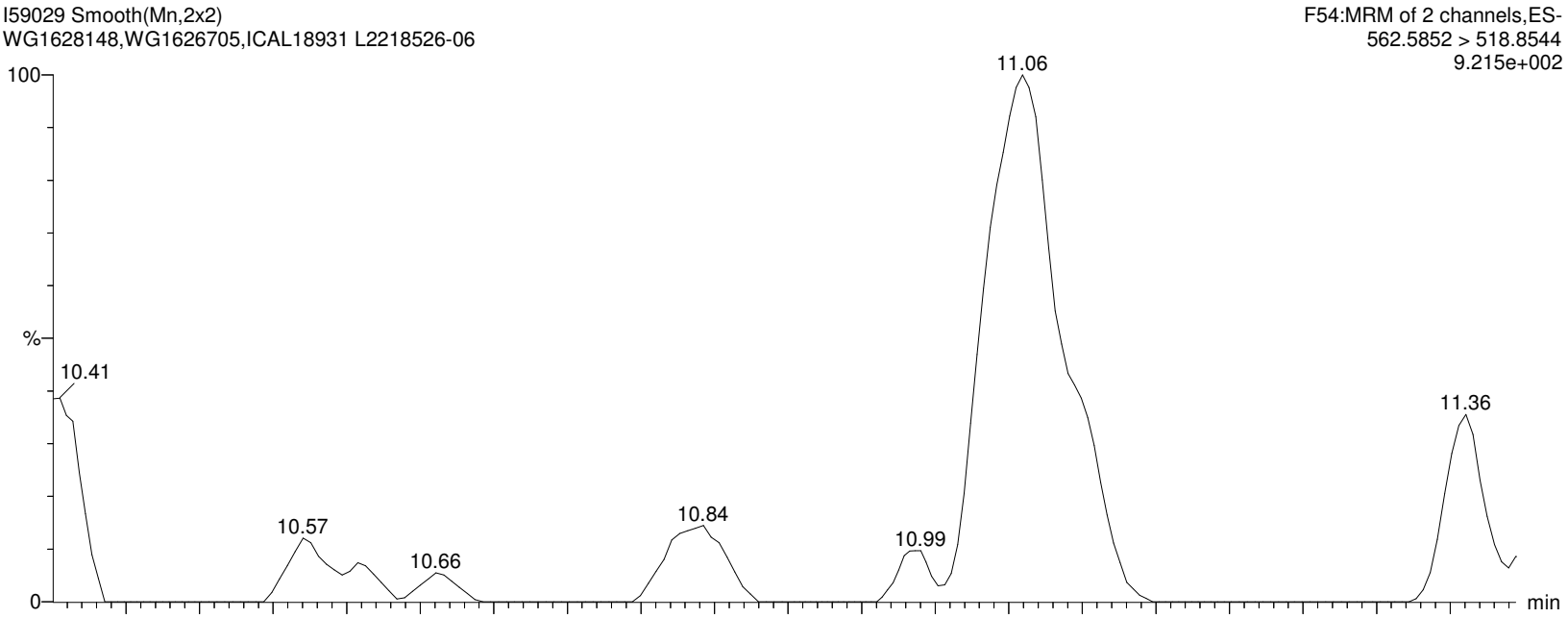


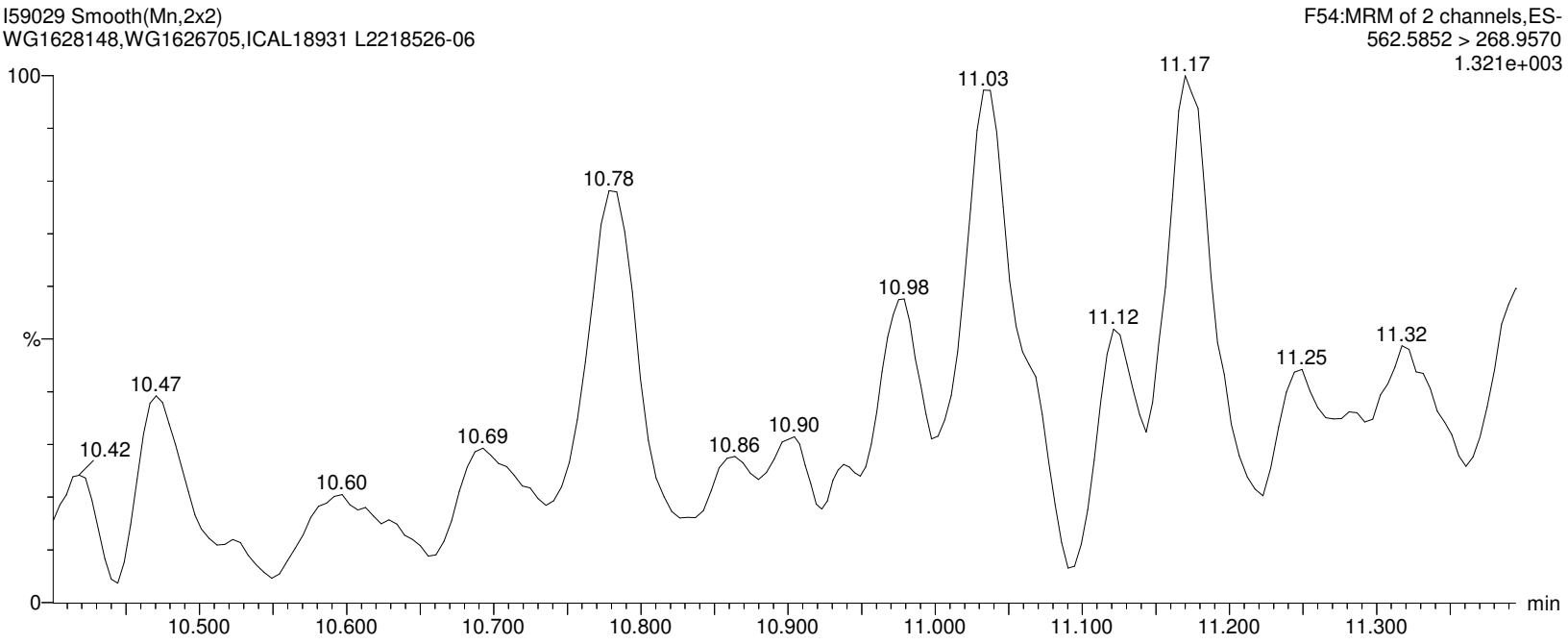
all concentration units in (ng/mL)

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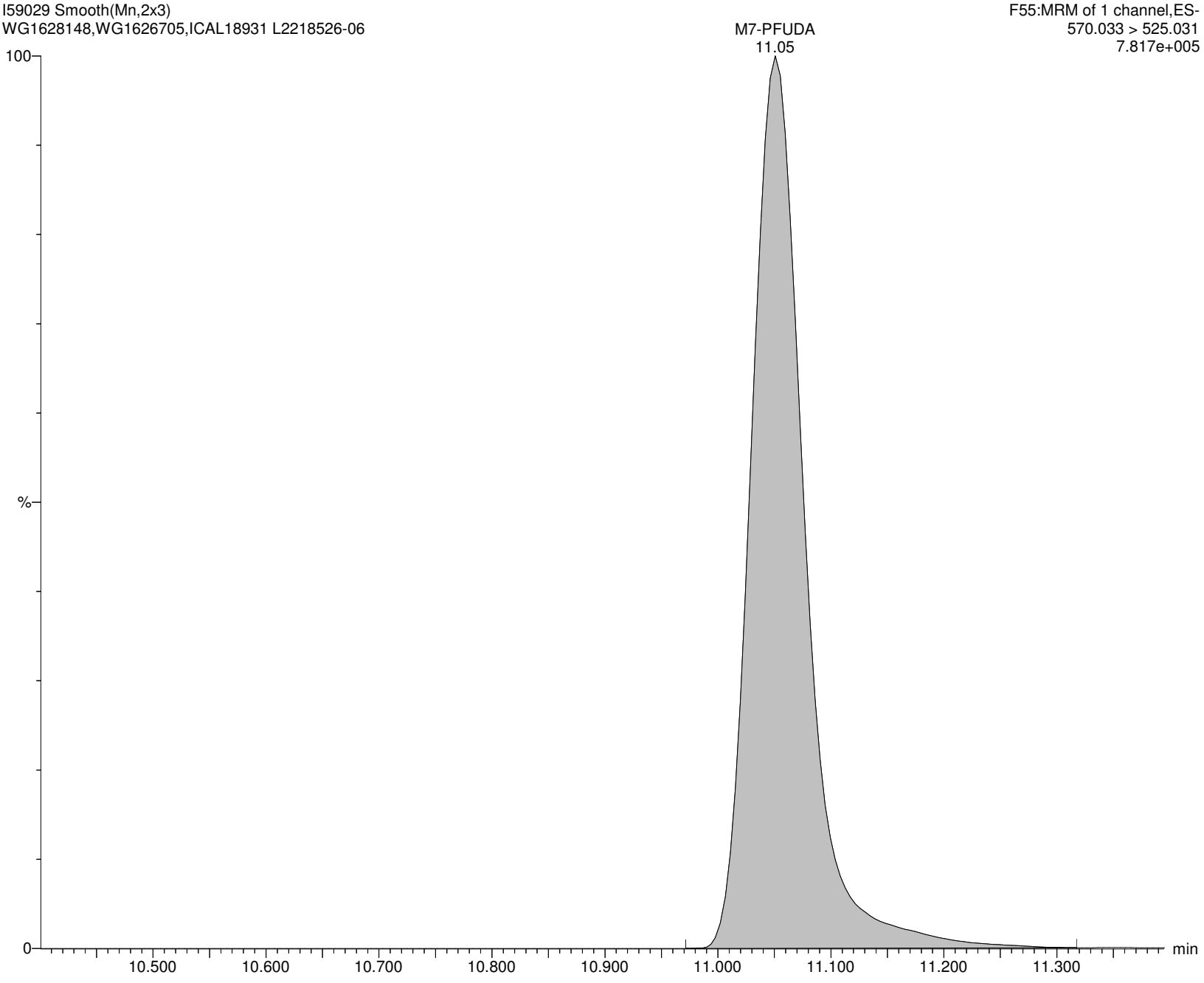


all concentration units in (ng/mL)

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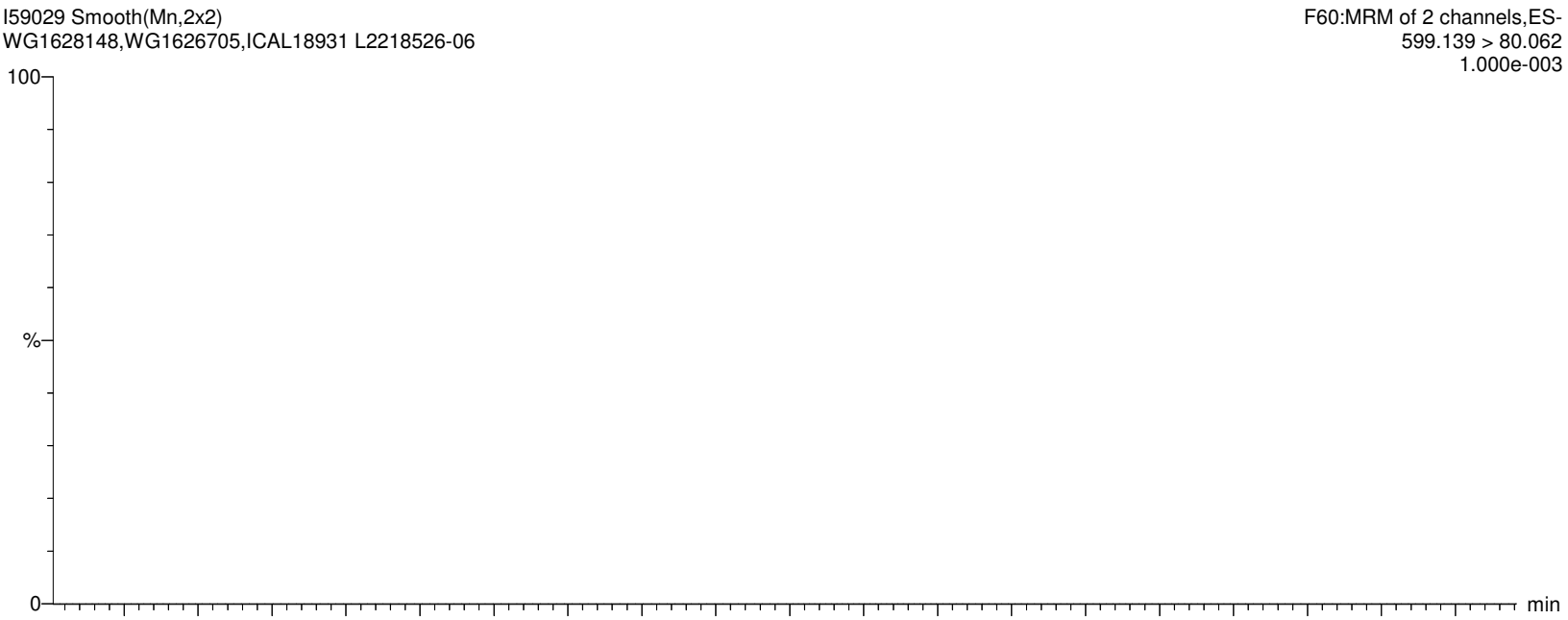


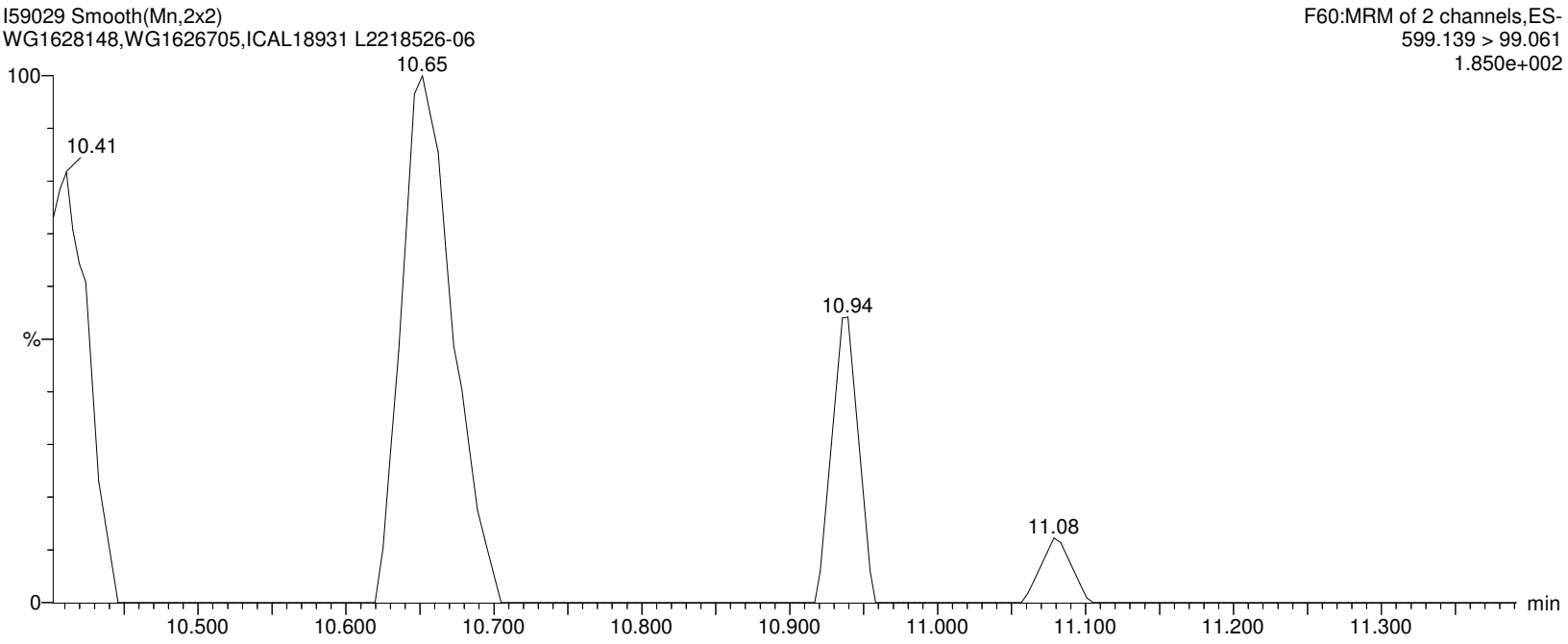
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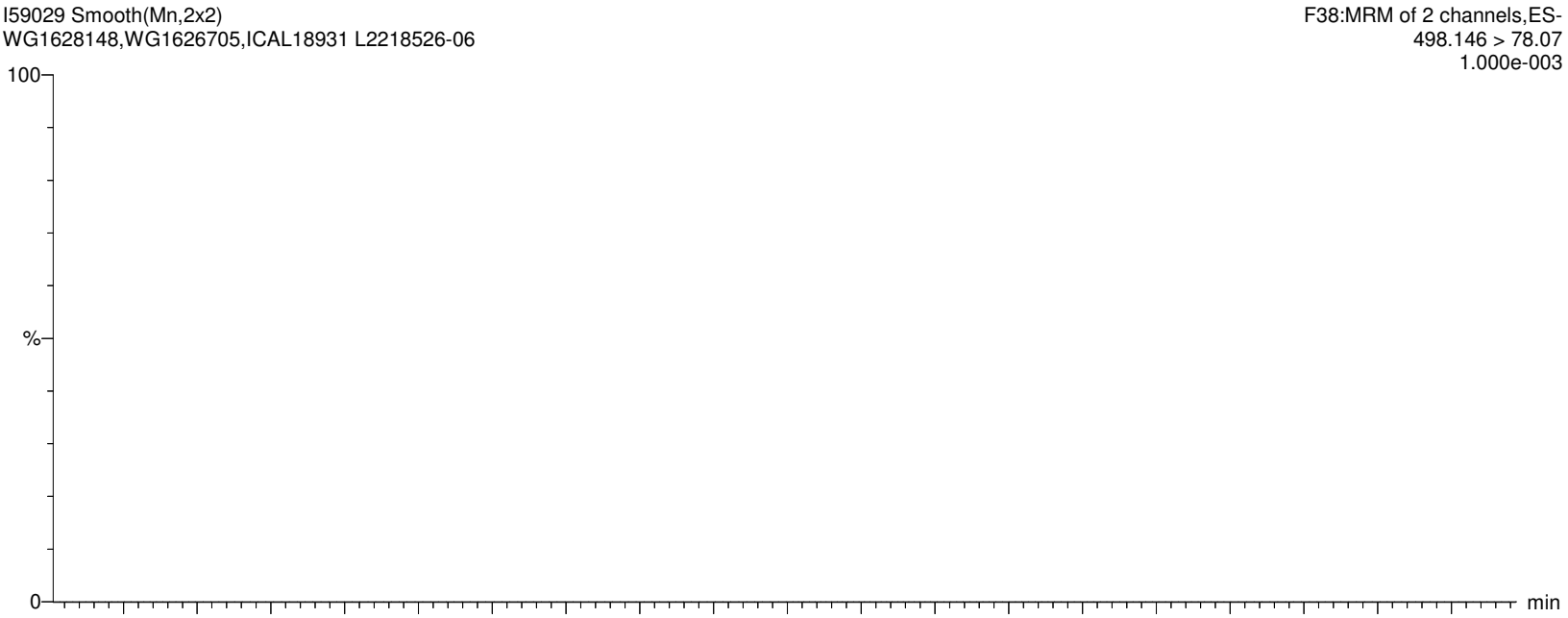


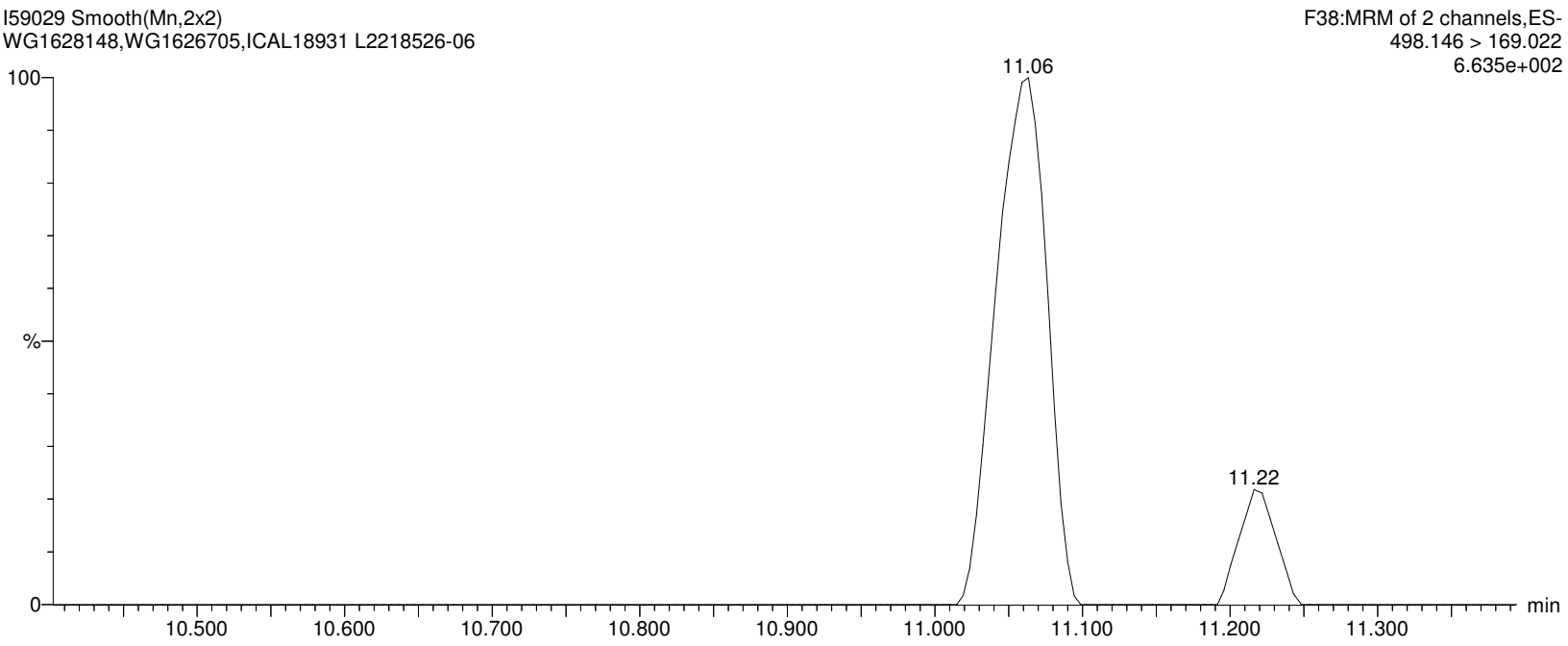
all concentration units in (ng/mL)

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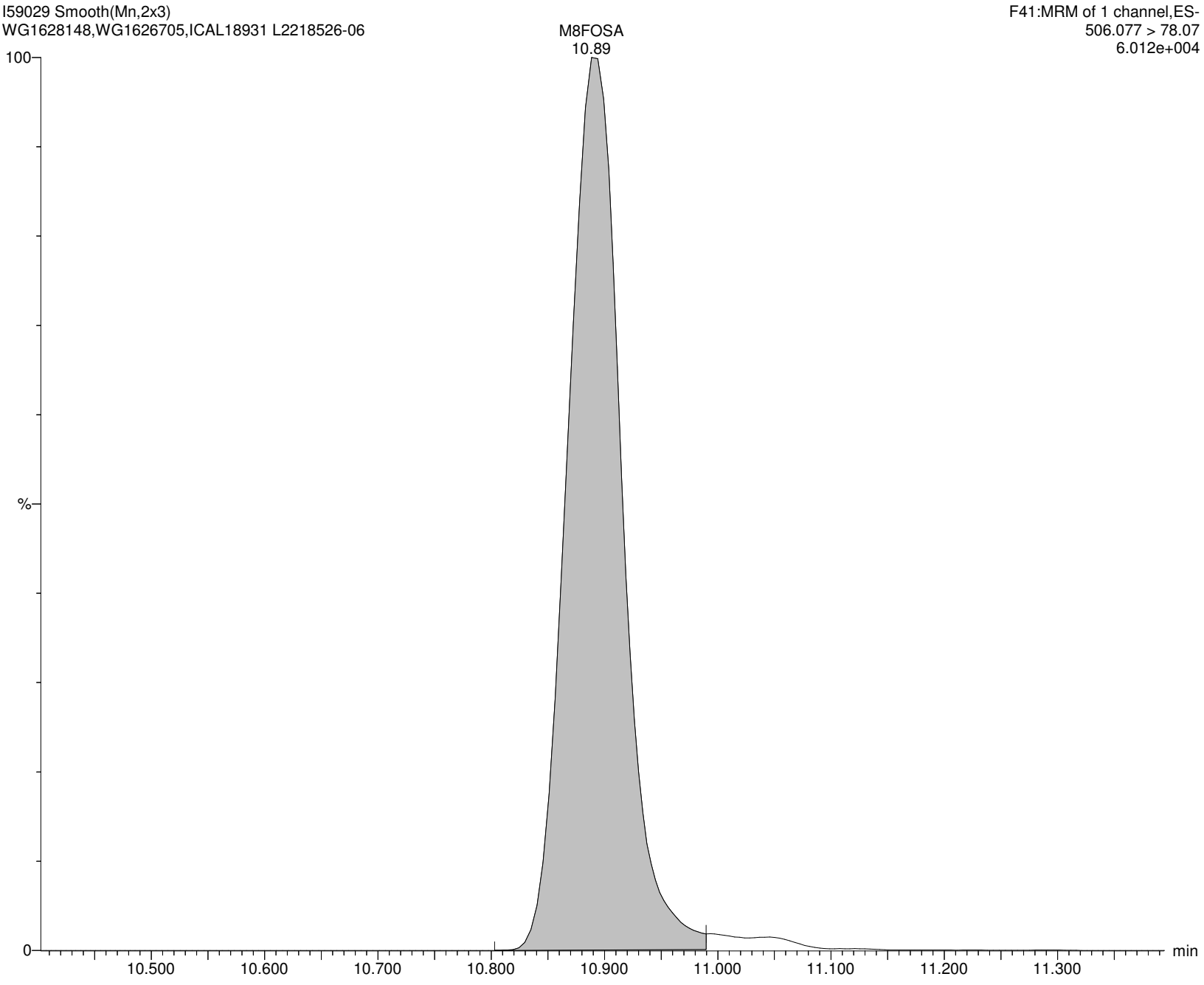


all concentration units in (ng/mL)

Alpha Analytical Inc.
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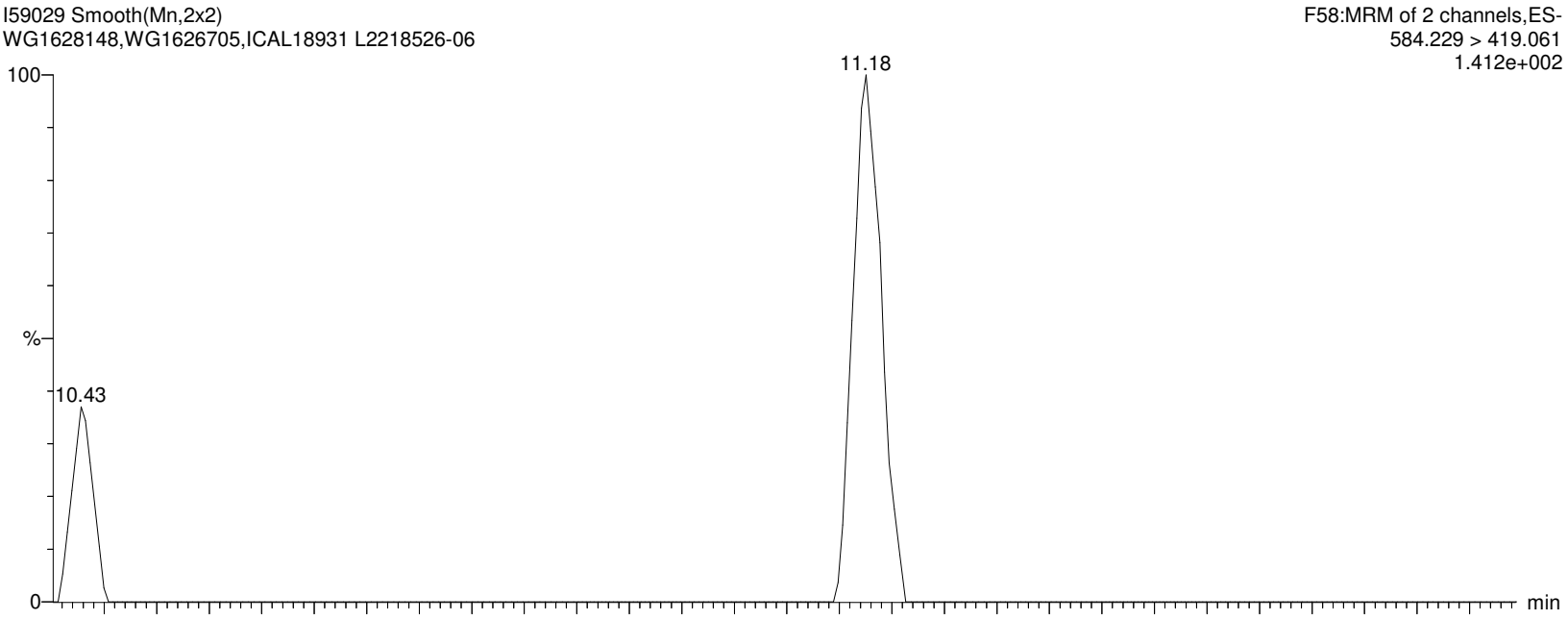


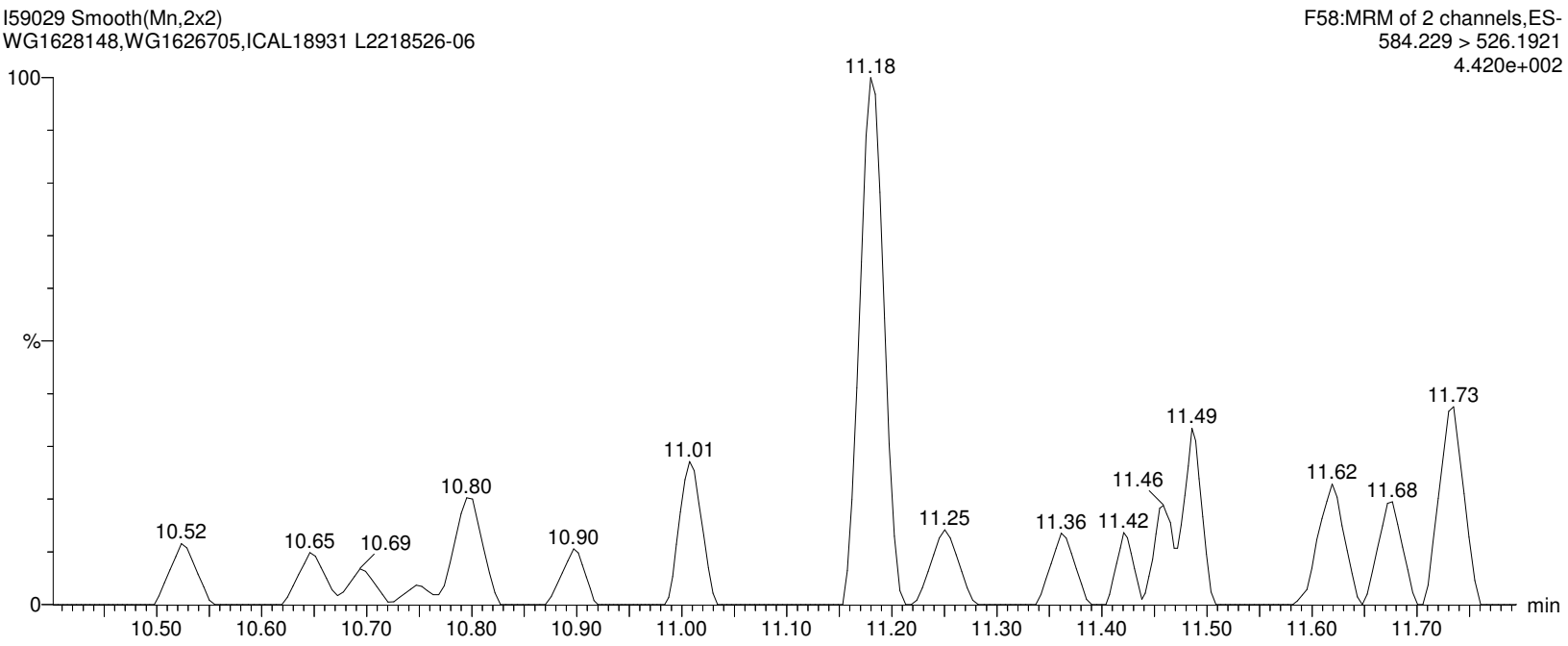
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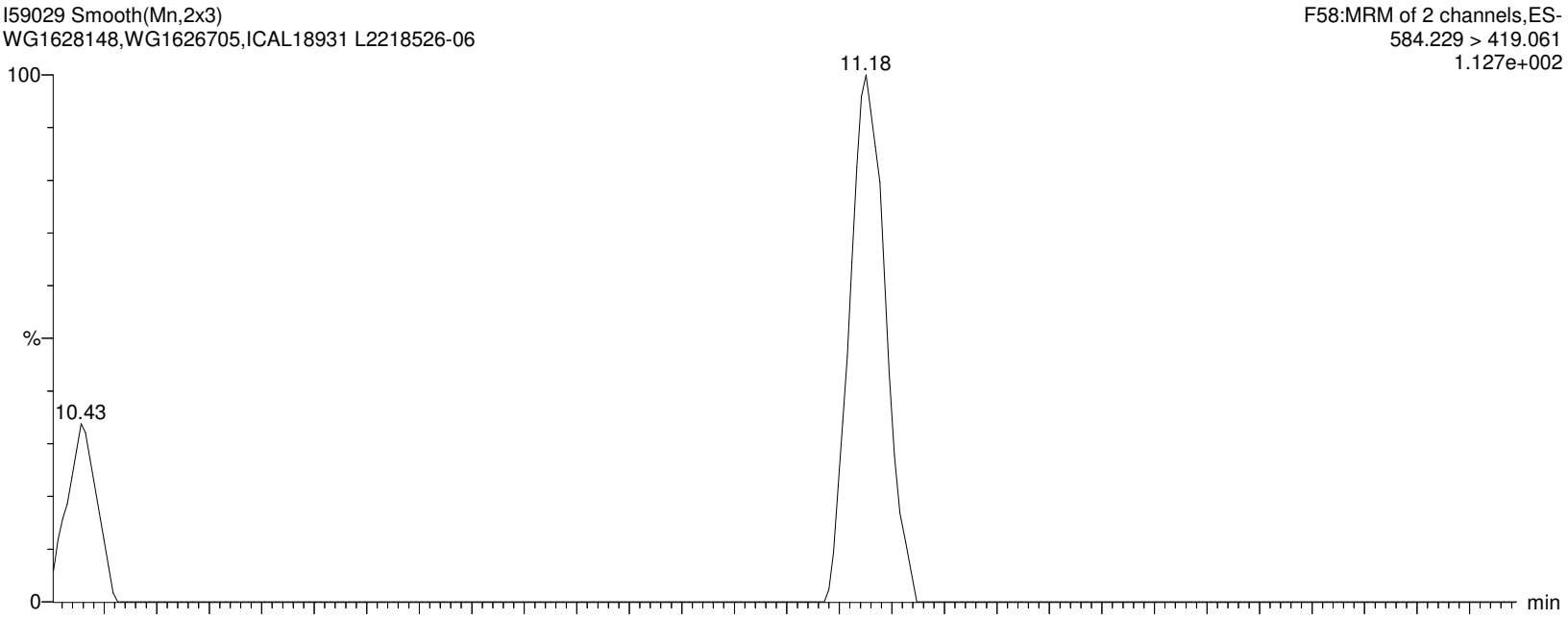


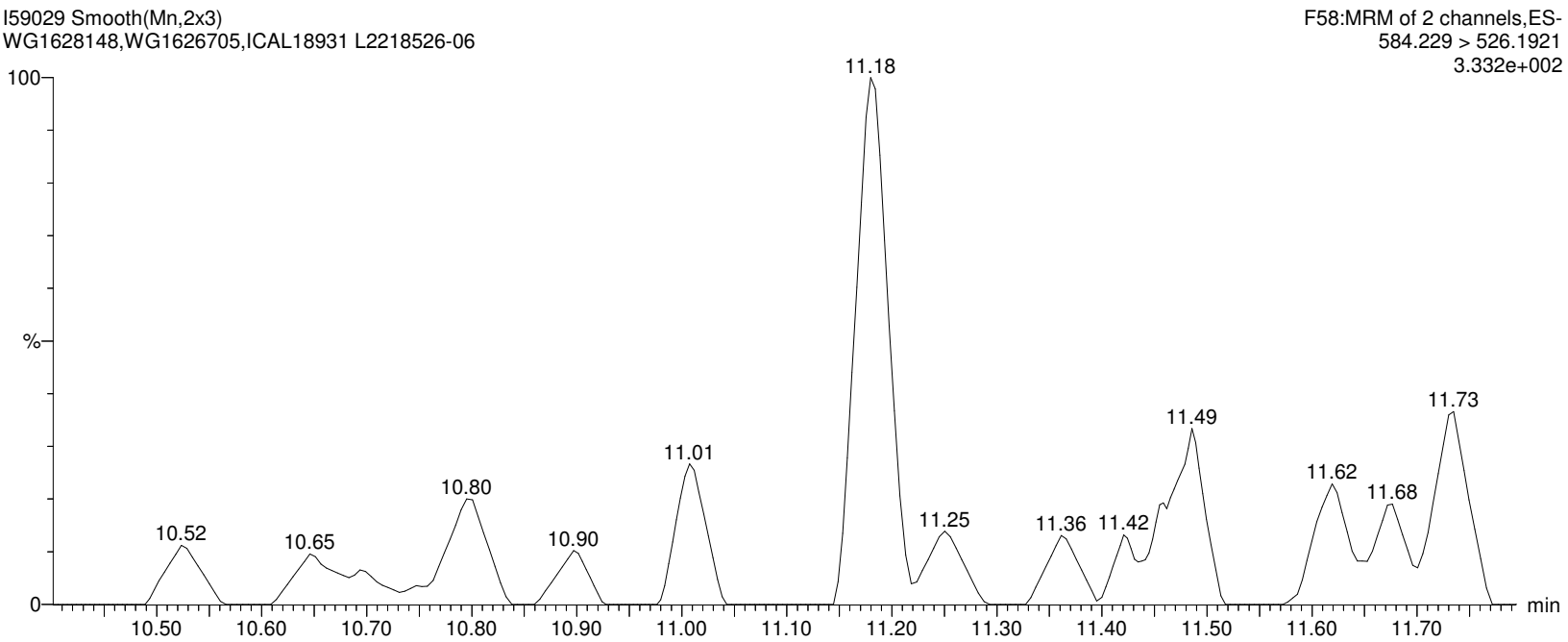
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L-NEtFOSAA



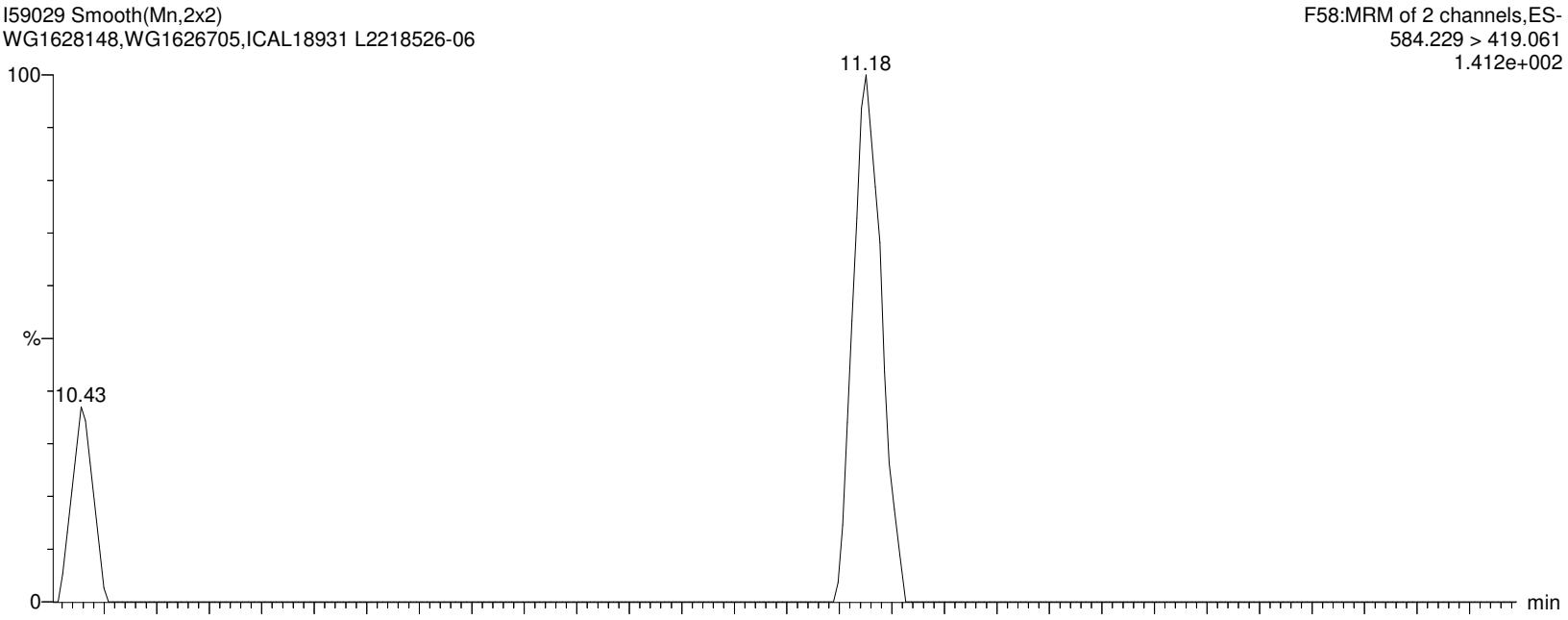


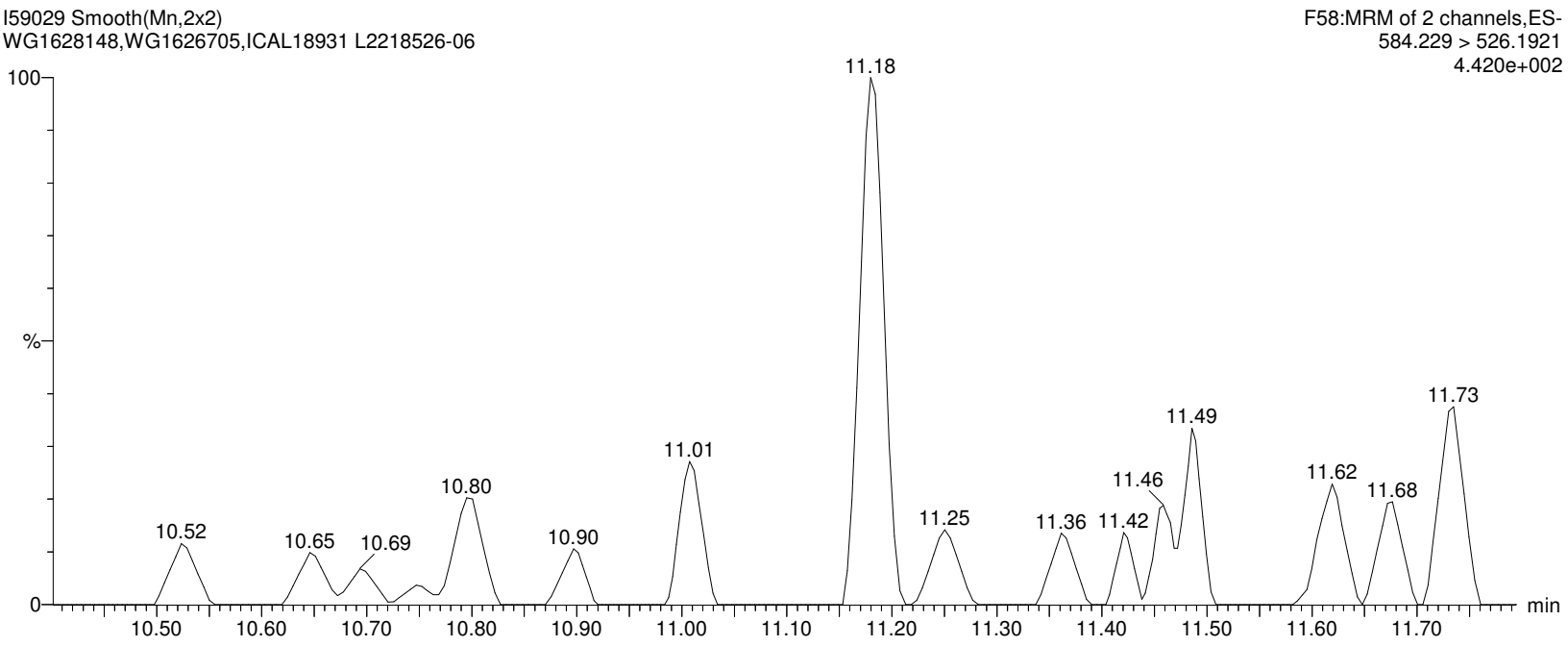
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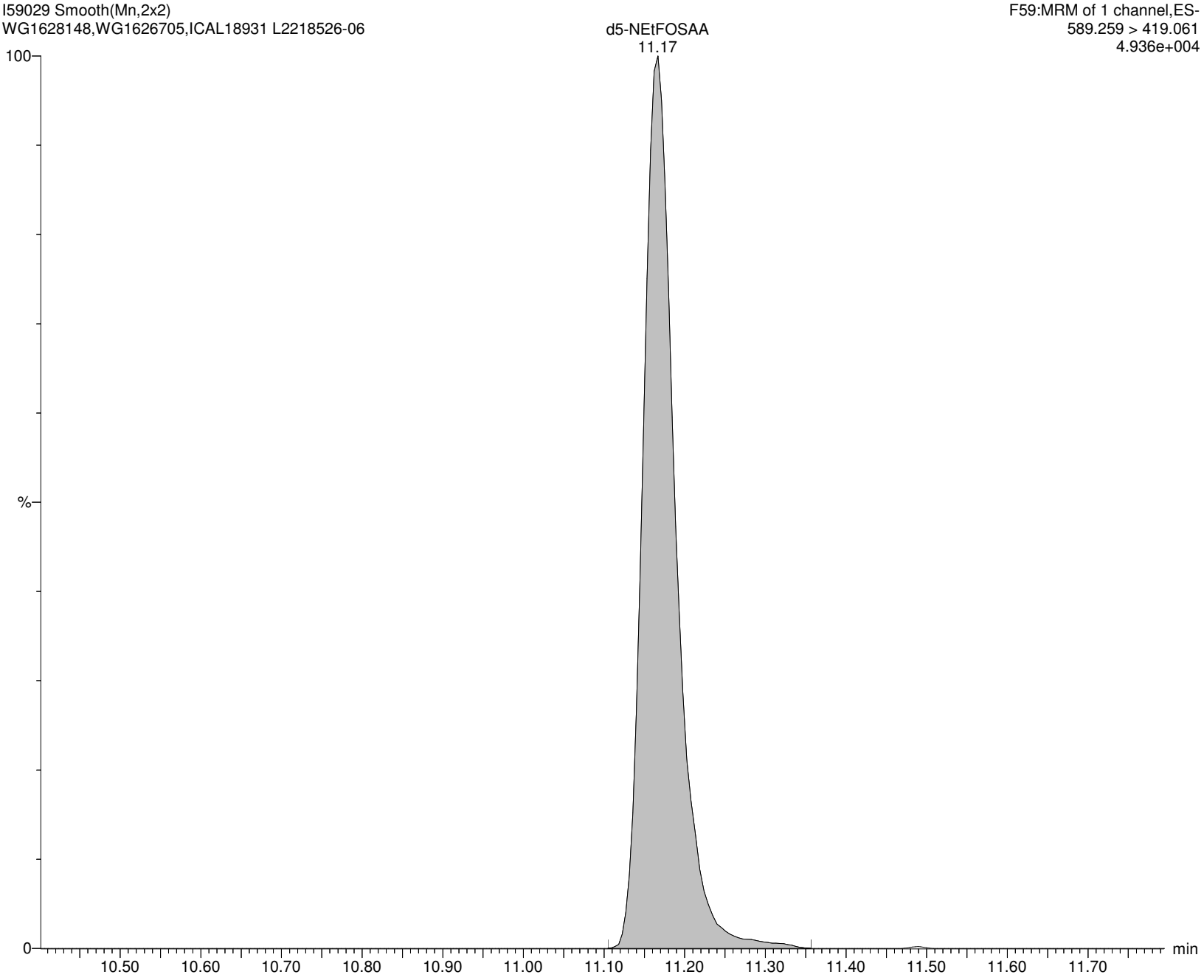


all concentration units in (ng/mL)

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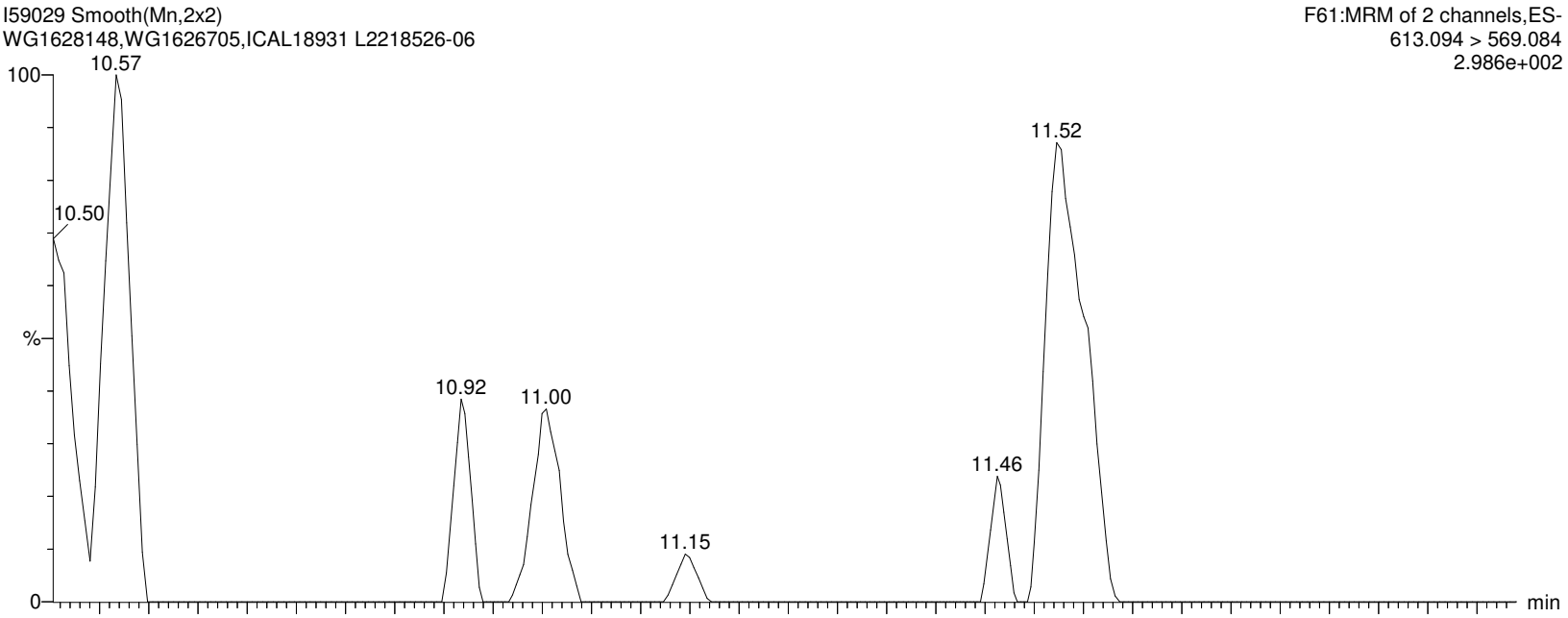


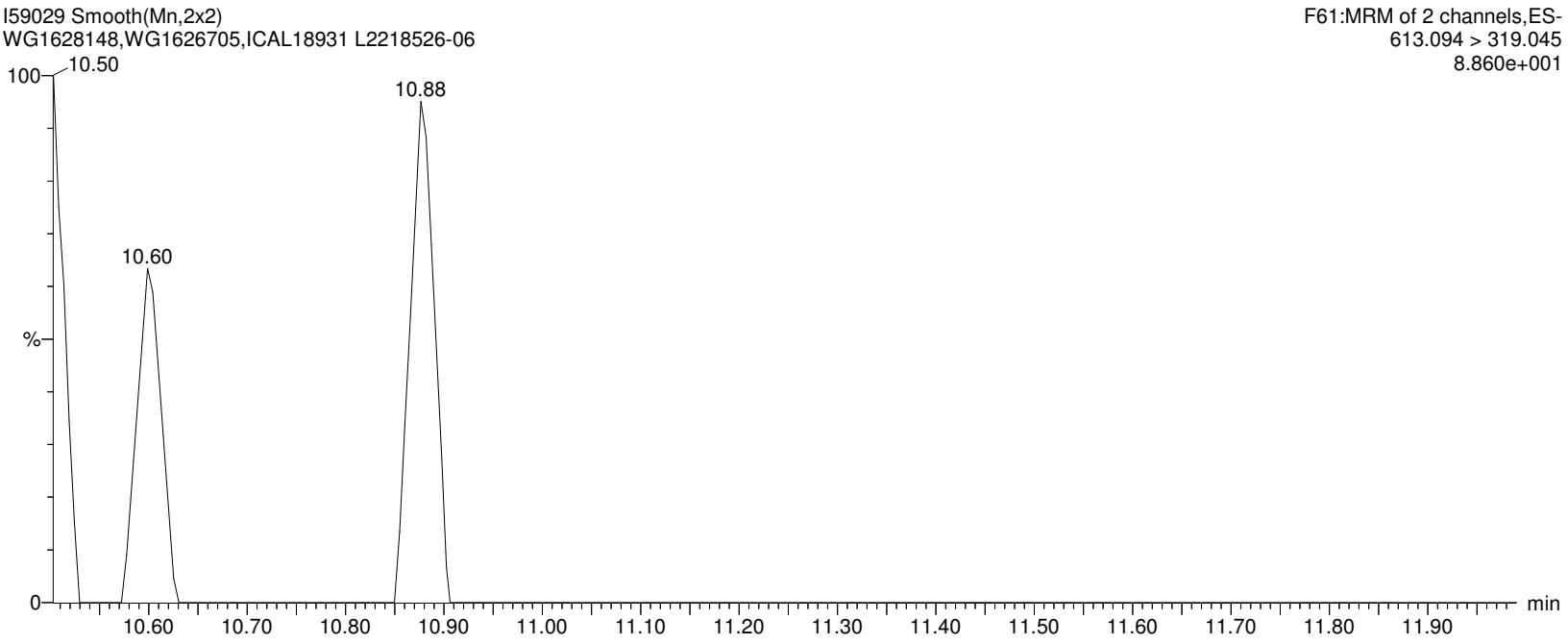
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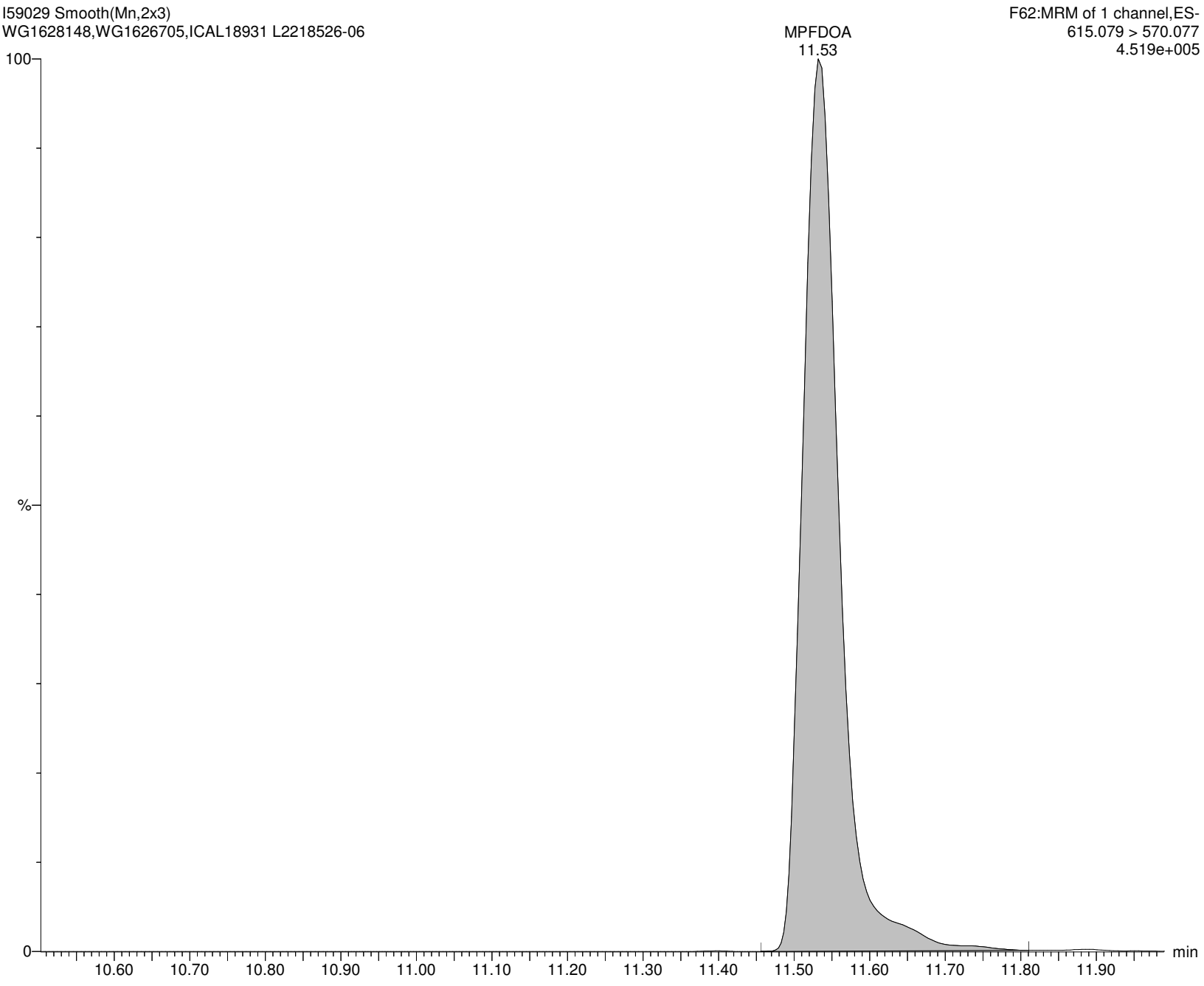


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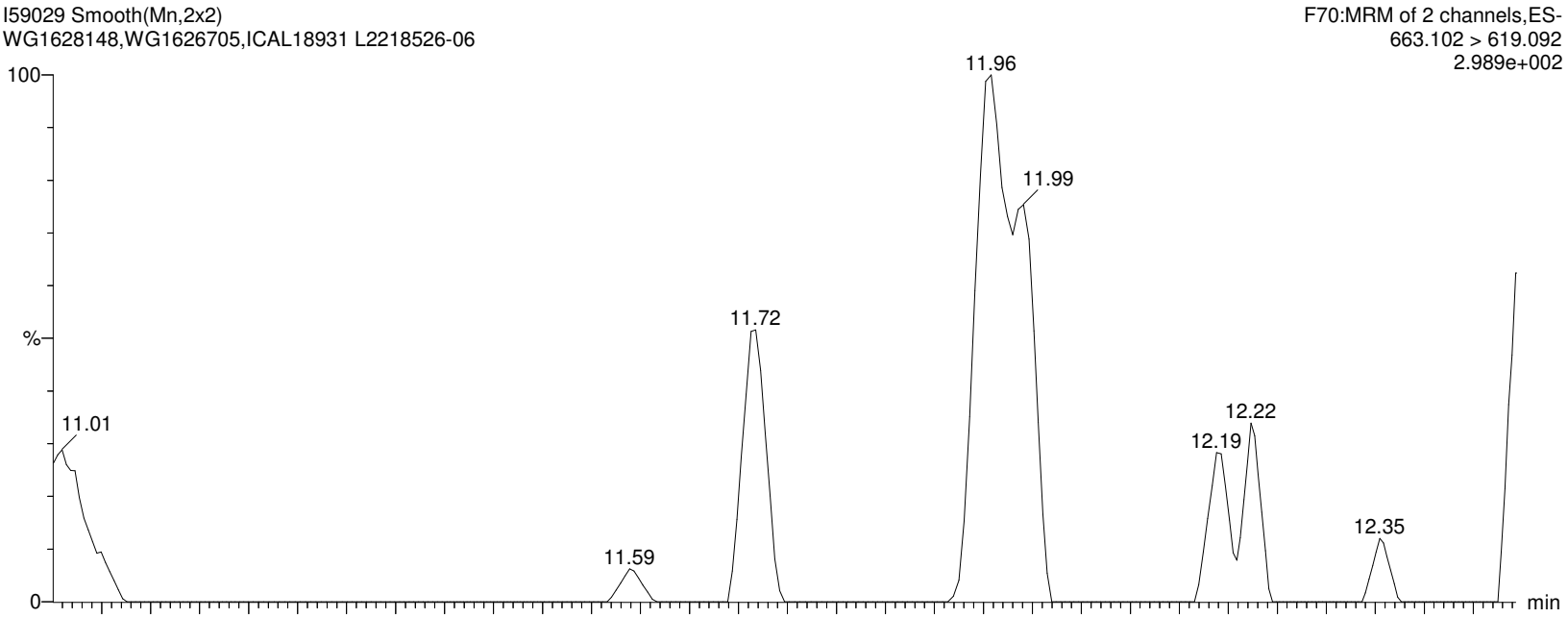


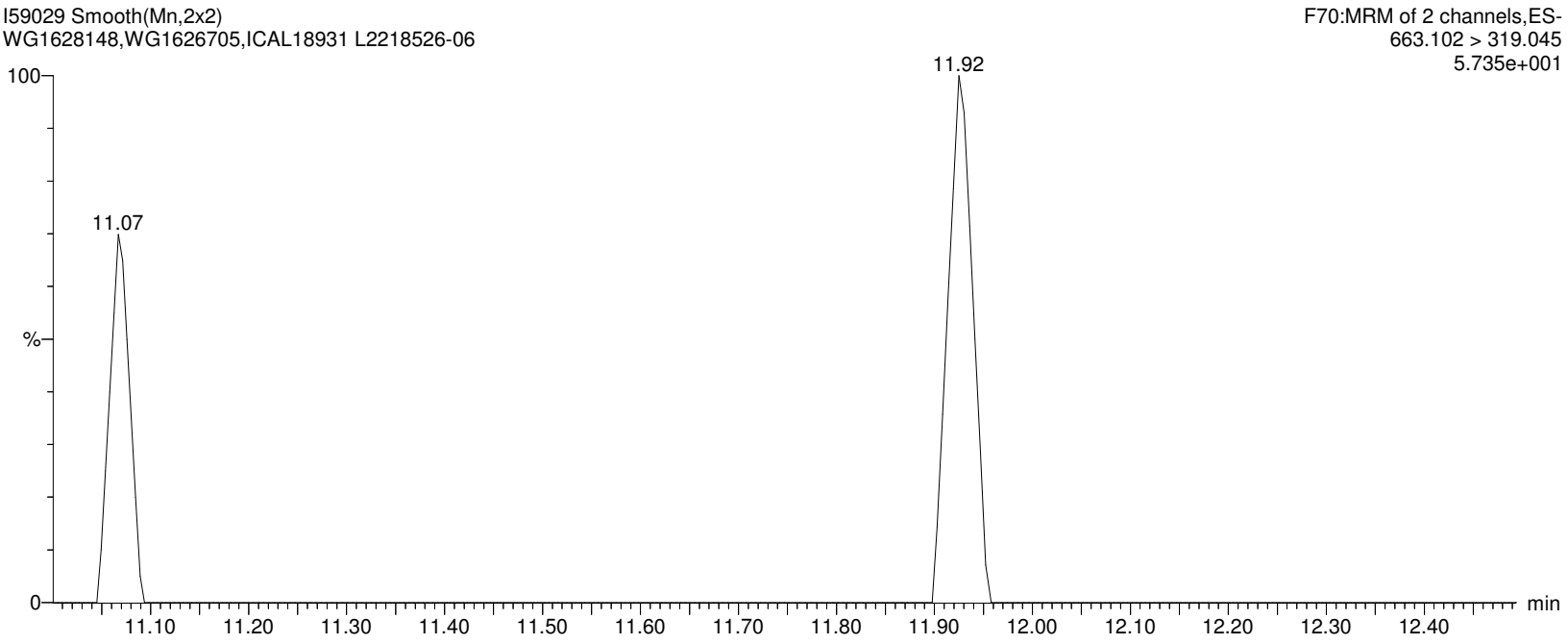
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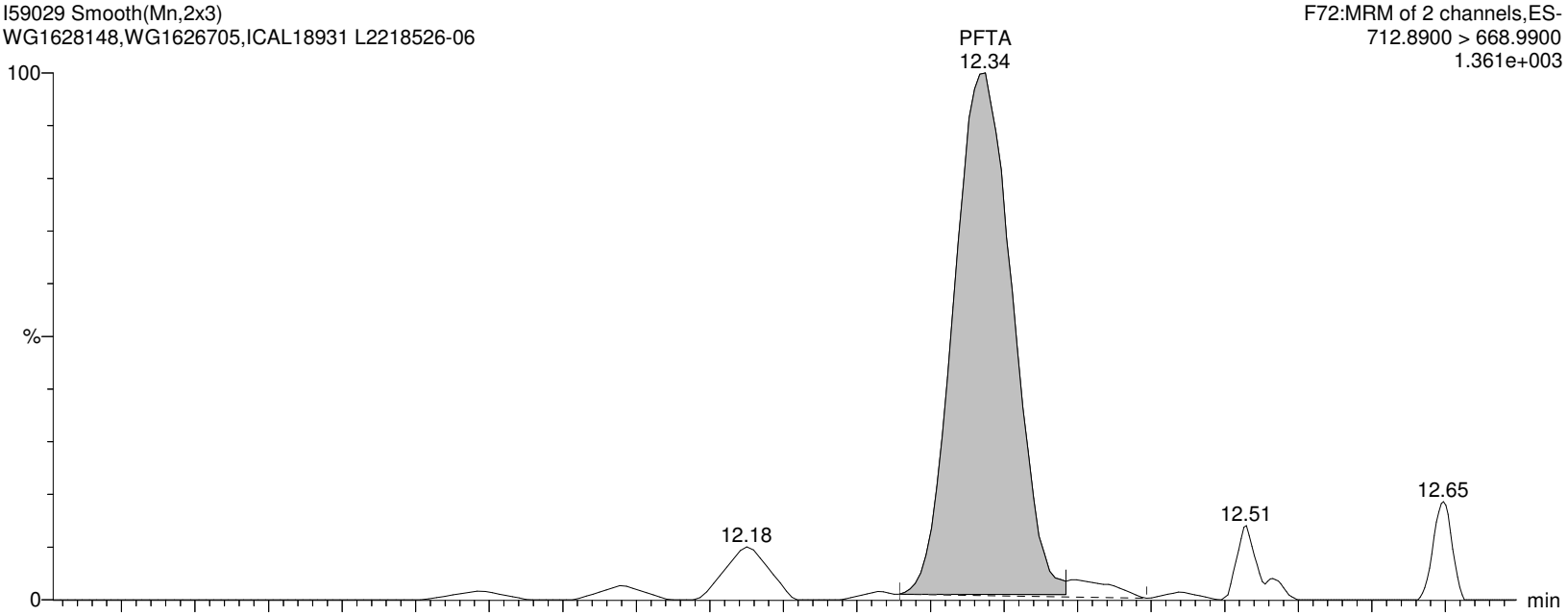


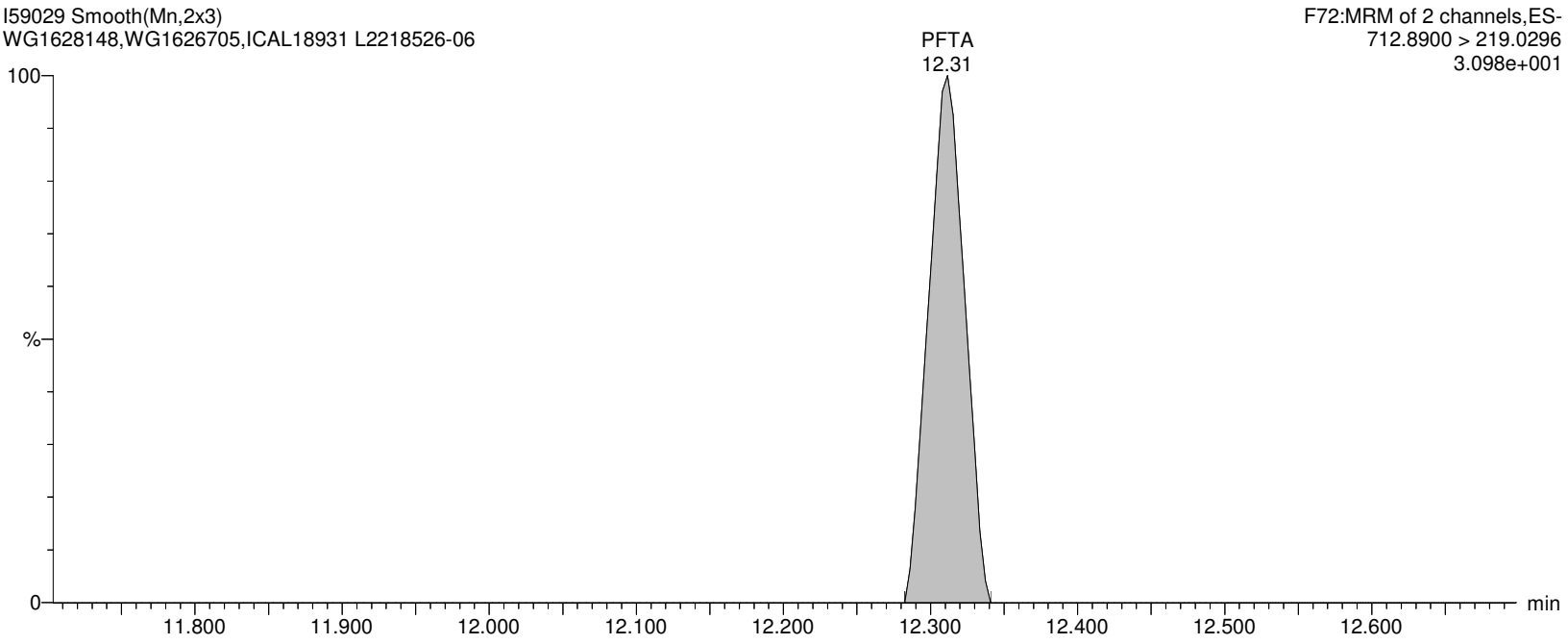
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PFTA



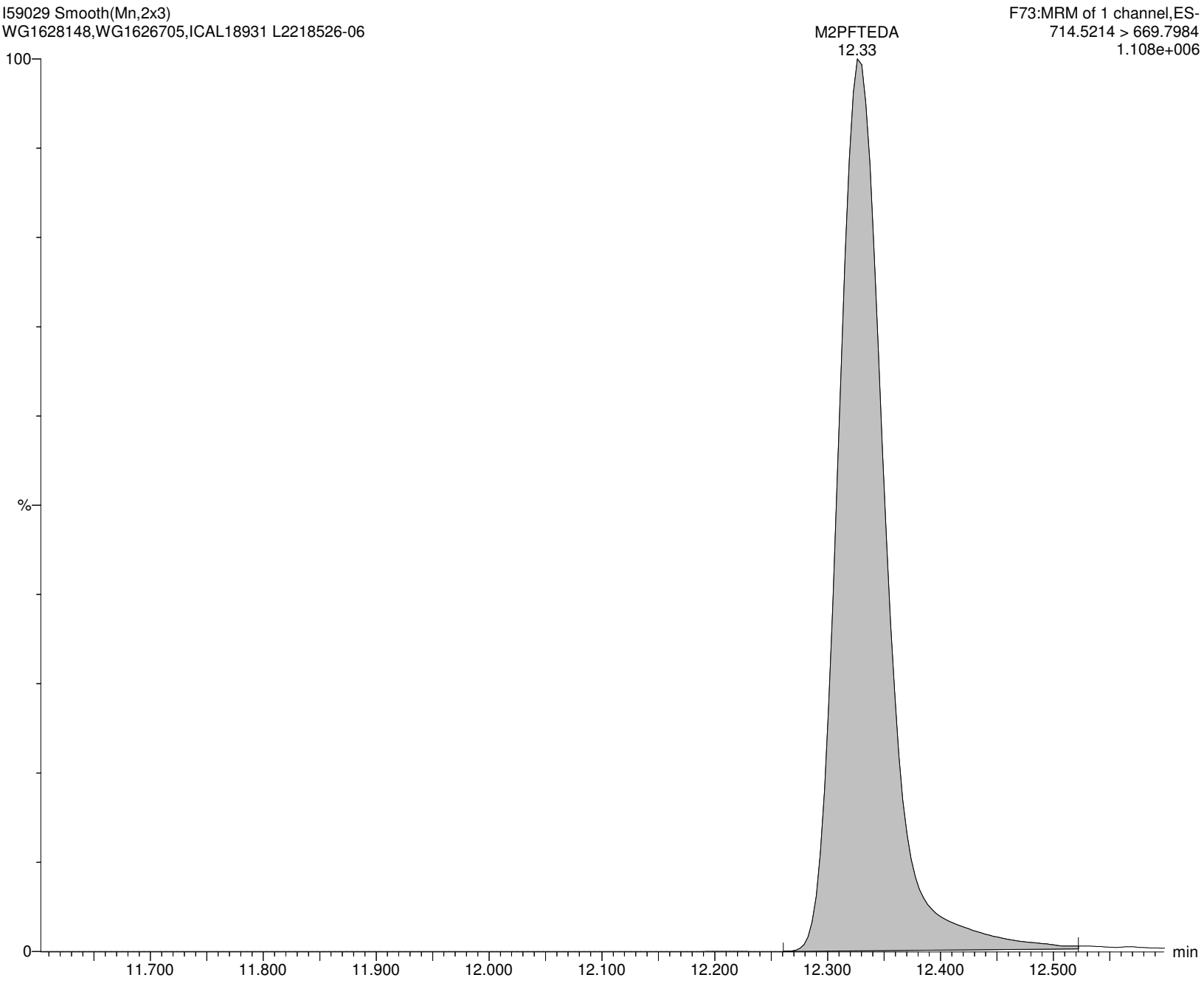


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:11 Eastern Daylight Time

Name: I59029
ID: L2218526-06
Date: 18-Apr-2022
Time: 01:17:55
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFTEDA



all concentration units in (ng/mL)

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

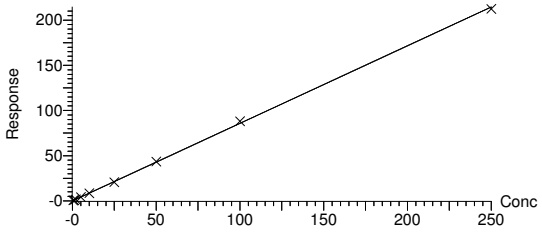
Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.112	29081.551	1211.176	0.485	97.1	0.833	1020		1.19
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.106	29173.766	2344.804	0.937	93.7	0.804	1052		1.22
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.109	29200.439	4754.194	1.898	94.9	0.814	6130		1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.109	29397.014	12234.997	4.851	97.0	0.832	6415		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.112	28949.648	24392.844	9.822	98.2	0.843	11687		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.109	28147.549	58460.695	24.210	96.8	0.831	25279		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.112	27959.693	121962.430	50.846	101.7	0.872	21115		1.16
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.109	27019.998	238354.547	102.827	102.8	0.882	97047		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.117	26712.086	567457.125	247.624	99.0	0.850	117675		0.93

Compound name: PFBA
Coefficient of Determination: R^2 = 0.999625
Calibration curve: 0.857892 * 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

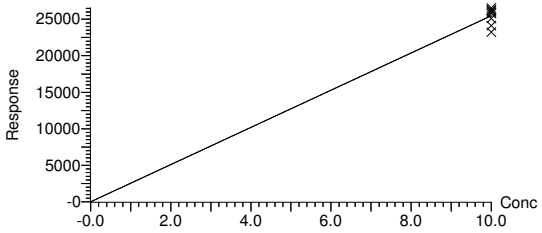
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.113		26063.023	10.232	102.3	2606.302	3549		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.107		25848.273	10.148	101.5	2584.827	21576		1.19
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.107		26554.086	10.425	104.2	2655.409	37807		1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.107		26275.746	10.316	103.2	2627.575	41445		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.110		26242.441	10.302	103.0	2624.244	21632		1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.107		25795.486	10.127	101.3	2579.549	25231		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.110		25107.207	9.857	98.6	2510.721	6623		1.16
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.107		24126.066	9.472	94.7	2412.607	7059		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.118		23236.510	9.122	91.2	2323.651	10511		0.92

Compound name: M3PFBA
Response Factor: 2547.21
RRF SD: 111.513, % Relative SD: 4.37784
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

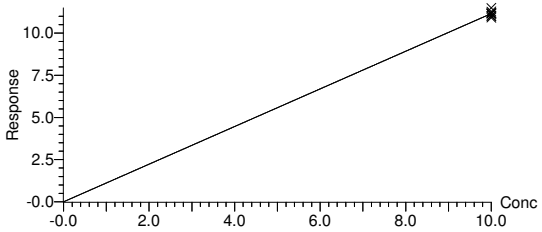
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.111	26063.023	29081.551	10.002	100.0	1.116	4251		1.17
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.105	25848.273	29173.766	10.117	101.2	1.129	3721		1.20
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.108	26554.086	29200.439	9.857	98.6	1.100	7496		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.108	26275.746	29397.014	10.029	100.3	1.119	6894		1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.111	26242.441	28949.648	9.889	98.9	1.103	3000		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.105	25795.486	28147.549	9.781	97.8	1.091	7162		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.111	25107.207	27959.693	9.982	99.8	1.114	15233		1.15
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.105	24126.066	27019.998	10.039	100.4	1.120	15007		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.116	23236.510	26712.086	10.305	103.0	1.150	9782		0.92

Compound name: MPFBA
Response Factor: 1.1156
RRF SD: 0.0171859, % Relative SD: 1.54051
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

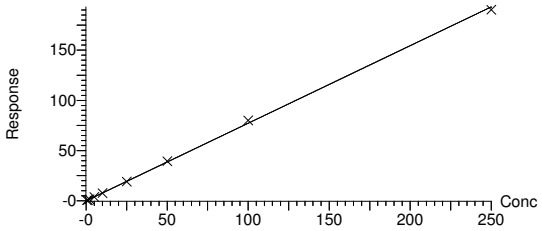
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.973	36432.656	1344.960	0.478	95.6	0.738	726		1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.963	36594.313	2785.945	0.986	98.6	0.761	657		1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.963	36357.691	5380.977	1.916	95.8	0.740	1034		1.10
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.968	36846.906	13883.654	4.878	97.6	0.754	7411		1.04
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.968	35742.441	27527.139	9.970	99.7	0.770	4192		1.06
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.963	34963.078	66440.703	24.601	98.4	0.760	21393		1.07
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.968	34067.641	134001.563	50.921	101.8	0.787	48033		1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.968	31925.439	255473.047	103.595	103.6	0.800	43284		1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.968	31375.270	596576.063	246.155	98.5	0.761	134293		1.00

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999481
Calibration curve: 0.772449 * 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

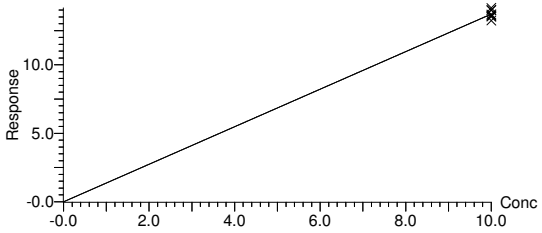
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.970	26063.023	36432.656	10.201	102.0	1.398	9799		1.06
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.959	25848.273	36594.313	10.331	103.3	1.416	11104		1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.964	26554.086	36357.691	9.992	99.9	1.369	6847		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.964	26275.746	36846.906	10.233	102.3	1.402	183384		1.07
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.964	26242.441	35742.441	9.939	99.4	1.362	10980		1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.964	25795.486	34963.078	9.891	98.9	1.355	5079		1.04
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.964	25107.207	34067.641	9.902	99.0	1.357	3342		1.08
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.970	24126.066	31925.439	9.657	96.6	1.323	32922		1.05
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.964	23236.510	31375.270	9.854	98.5	1.350	13722		1.02

Compound name: M5PFPEA
Response Factor: 1.37033
RRF SD: 0.0294414, % Relative SD: 2.1485
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

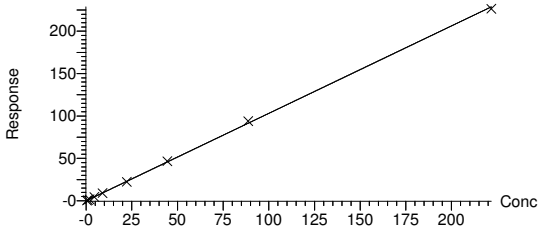
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.633	6676.506	285.111	0.386	87.0	0.897	56	52	1.12
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.626	6886.081	649.607	0.853	96.1	0.991	107	154	0.98
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.628	6837.730	1244.414	1.645	92.7	0.956	273	354	1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.628	6697.879	3236.334	4.367	98.5	1.015	2070	507	1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.630	6620.420	6407.523	8.747	98.6	1.017	1015	2430	1.04
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.626	6442.362	15371.683	21.563	97.2	1.003	9266	2516	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.630	6099.604	30541.447	45.250	102.0	1.052	9659	6321	1.00
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.630	5727.812	57745.961	91.110	102.7	1.059	3738	11115	1.03
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.630	5173.313	125630.930	219.464	99.0	1.021	16142	15770	0.88

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999614
Calibration curve: 1.03129 * 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

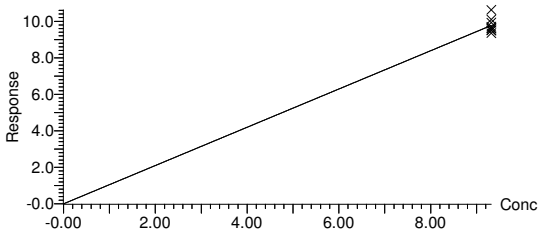
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.633	6882.845	6676.506	9.252	99.3	1.041	2261		1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.621	6933.049	6886.081	9.473	101.6	1.066	1614		1.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.626	7100.415	6837.730	9.185	98.5	1.033	2383		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.626	7165.459	6697.879	8.915	95.7	1.003	3122		1.05
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.628	6900.413	6620.420	9.150	98.2	1.029	6621		1.05
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.626	6784.145	6442.362	9.057	97.2	1.019	697		0.99
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.628	6411.173	6099.604	9.074	97.4	1.021	4434		1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.628	5667.216	5727.812	9.639	103.4	1.084	4292		1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.628	4868.267	5173.313	10.135	108.7	1.140	2153		0.90

Compound name: M3PFBS
Response Factor: 1.0485
RRF SD: 0.0423779, % Relative SD: 4.04177
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

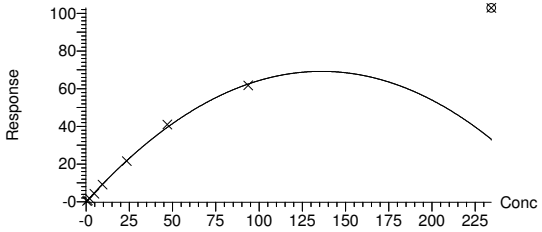
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.803	2606.791	92.648	0.328	70.0	0.712	77	7	1.29
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.798	2651.792	232.284	0.810	86.5	0.877	89	24	0.95
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.803	2698.601	527.048	1.813	96.8	0.978	68	116	0.89
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.803	2819.611	1316.832	4.378	93.4	0.935	262	33	1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.803	2756.275	2686.411	9.307	99.3	0.976	326	83	0.96
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.798	2817.917	6501.085	23.265	99.3	0.924	1209	235	1.05
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.803	3048.690	13322.576	49.190	105.0	0.875	1001	348	1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.803	3891.946	25635.746	91.509	97.7	0.659	9691	1031	1.00
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.803	5710.455	62648.262			0.439	2473	3385	0.95

Compound name: 4:2FTS
Coefficient of Determination: R^2 = 0.998615
Calibration curve: -0.00373632 * x^2 + 1.01708 * 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

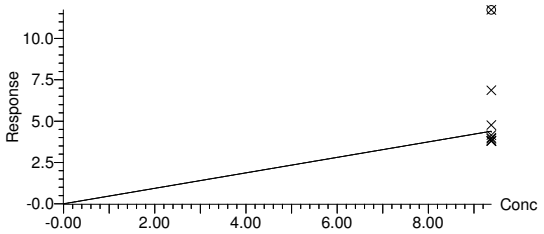
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.808	6882.845	2606.791	8.093	86.3	0.404	120		1.03
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.798	6933.049	2651.792	8.173	87.1	0.408	289		1.03
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.798	7100.415	2698.601	8.121	86.6	0.405	171		1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.803	7165.459	2819.611	8.408	89.6	0.420	169		1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.803	6900.413	2756.275	8.535	91.0	0.426	158		0.99
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.798	6784.145	2817.917	8.875	94.6	0.443	251		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.803	6411.173	3048.690	10.161	108.3	0.507	196		1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.803	5667.216	3891.946	14.674	156.4	0.732	695		0.95
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.803	4868.267	5710.455	25.064	267.2	1.251	524		0.94

Compound name: M2-4:2FTS
Response Factor: 0.467999
RRF SD: 0.111963, % Relative SD: 23.9237
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

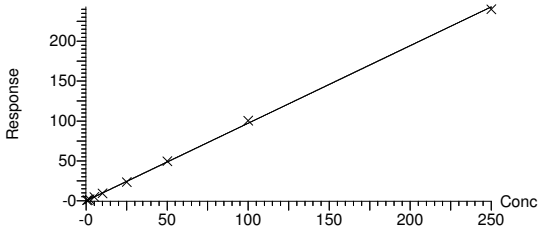
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884	46120.508	2120.982	0.473	94.6	0.920	332	19	1.24
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875	46036.281	4342.387	0.970	97.0	0.943	773	83	1.20
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875	45914.848	8675.320	1.943	97.2	0.945	1386	33	1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.879	46080.836	21636.641	4.829	96.6	0.939	4875	73	1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.879	45811.238	43099.219	9.676	96.8	0.941	3411	496	1.15
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.879	43914.027	102924.734	24.106	96.4	0.938	5604	831	1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.879	41824.129	207589.531	51.049	102.1	0.993	8934	3041	1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.879	39653.320	398758.750	103.429	103.4	1.006	8250	11616	1.20
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.879	37191.844	893253.063	247.024	98.8	0.961	147959	9021	1.22

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999464
Calibration curve: 0.972274 * 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

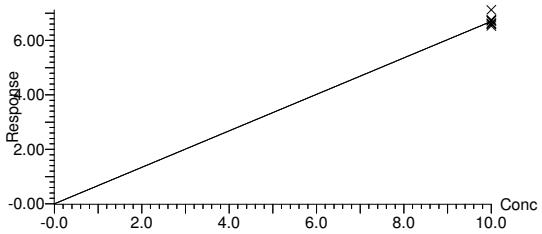
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884	68676.219	46120.508	10.023	100.2	0.672	4648		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875	68052.391	46036.281	10.097	101.0	0.676	43430		1.13
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875	70318.352	45914.848	9.745	97.5	0.653	22382		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.875	69762.328	46080.836	9.859	98.6	0.661	25898		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.880	69006.398	45811.238	9.908	99.1	0.664	1006		1.14
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.875	66586.563	43914.027	9.843	98.4	0.660	8275		1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.880	63419.371	41824.129	9.843	98.4	0.659	1529		1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.880	58890.566	39653.320	10.050	100.5	0.673	2685		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.880	52207.934	37191.844	10.632	106.3	0.712	1156		1.22

Compound name: M5PFHxA
Response Factor: 0.670013
RRF SD: 0.017642, % Relative SD: 2.63308
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

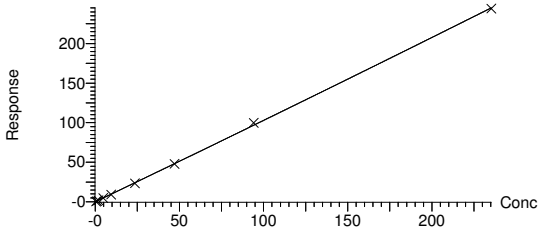
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.206	6214.279	272.224	0.407	86.6	0.883	65	30	1.09
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.202	6728.953	587.788	0.812	86.3	0.880	110	54	0.97
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.202	6608.481	1217.837	1.714	91.1	0.928	296	1012	1.01
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.202	6577.253	3339.119	4.720	100.3	1.023	322	190	1.09
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.206	6325.771	6092.128	8.950	95.1	0.970	742	61	0.97
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.202	6218.706	15249.606	22.760	96.7	0.988	1008	1855	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.206	6012.042	30315.660	46.696	99.2	1.016	2138	2721	1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.202	5353.659	56335.395	96.985	103.1	1.060	4153	2058	1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.202	4631.073	119242.820	234.287	99.6	1.038	8481	7632	1.03

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.999546
Calibration curve: 9.68063e-005 * x^2 + 1.01919 * 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

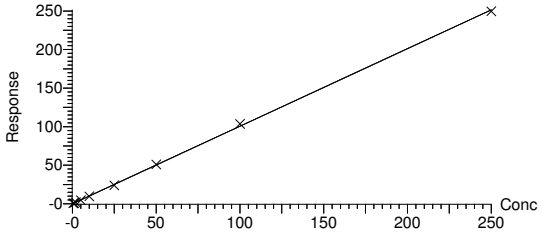
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.165	55412.047	2668.860	0.479	95.8	0.963	413	78	1.45
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.158	55977.523	5335.284	0.948	94.8	0.953	599	93	1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.160	55687.867	10070.192	1.798	89.9	0.904	1285	205	1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.160	56812.477	27266.068	4.771	95.4	0.960	2517	566	1.27
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.163	54140.742	52991.914	9.731	97.3	0.979	3659	2082	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.160	53130.715	127175.078	23.797	95.2	0.957	15927	2811	1.26
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.165	50466.965	257961.219	50.818	101.6	1.022	20139	6039	1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.163	45900.043	475689.656	103.035	103.0	1.036	31691	10489	1.32
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.163	42959.324	1072137.375	248.123	99.2	0.998	101687	8499	1.32

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.999483
Calibration curve: 1.00583 * 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

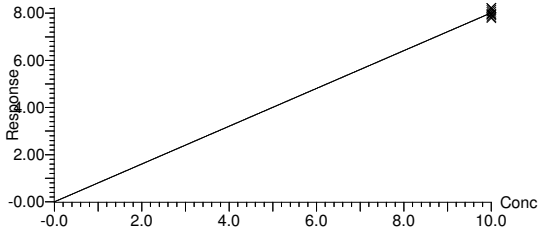
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Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.166	68676.219	55412.047	10.063	100.6	0.807	9861		1.28
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.155	68052.391	55977.523	10.259	102.6	0.823	3612		1.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.160	70318.352	55687.867	9.877	98.8	0.792	5047		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.160	69762.328	56812.477	10.157	101.6	0.814	15759		1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.160	69006.398	54140.742	9.785	97.9	0.785	7662		1.33
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.158	66586.563	53130.715	9.952	99.5	0.798	9125		1.32
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.163	63419.371	50466.965	9.925	99.2	0.796	2047		1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.160	58890.566	45900.043	9.721	97.2	0.779	6259		1.38
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.160	52207.934	42959.324	10.262	102.6	0.823	3873		1.41

Compound name: M4PFHpA
Response Factor: 0.801807
RRF SD: 0.0158293, % Relative SD: 1.97421
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

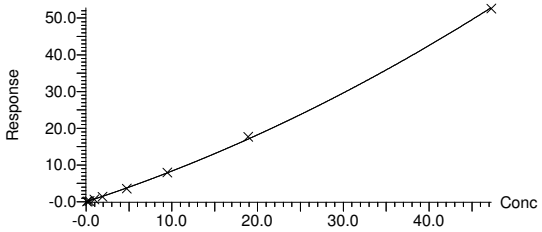
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Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.087	6214.279	27.985	0.056	59.4	0.452	2	1	0.65
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.089	6728.953	81.345	0.150	79.6	0.606	16	5	0.39
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.082	6608.481	155.231	0.292	77.3	0.589	18	4	0.58
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.089	6577.253	436.633	0.821	86.9	0.666	47	14	0.52
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.094	6325.771	918.745	1.779	94.1	0.728	118	14	0.43
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.087	6218.706	2348.861	4.507	95.4	0.758	148	65	0.58
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.092	6012.042	5051.772	9.565	101.2	0.843	107	187	0.54
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.089	5353.659	10003.067	19.505	103.2	0.937	735	316	0.54
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.089	4631.073	25689.414	47.080	99.6	1.113	1291	749	0.51

Compound name: br-PFHxS
Coefficient of Determination: R^2 = 0.999170
Calibration curve: 0.00757441 * x^2 + 0.76038 * 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

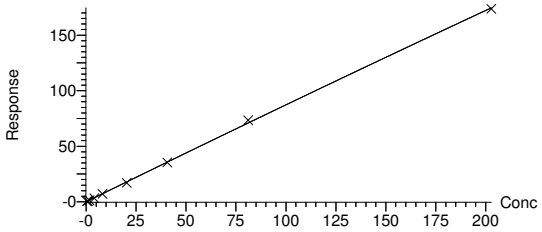
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.332	6214.279	226.907	0.392	96.6	0.854	26	31	1.06
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.322	6728.953	443.934	0.707	87.2	0.771	102	54	1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.327	6608.481	944.050	1.532	94.5	0.835	180	33	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.324	6577.253	2312.851	3.772	93.0	0.822	405	169	1.36
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.327	6325.771	4686.987	7.953	98.1	0.866	928	172	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.322	6218.706	11145.805	19.267	95.0	0.838	1192	657	1.33
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.330	6012.042	22476.354	40.299	99.4	0.874	735	1730	1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.324	5353.659	41509.258	84.054	103.6	0.906	4515	2693	1.43
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.324	4631.073	84837.148	201.702	99.5	0.857	5982	4606	1.48

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999396
Calibration curve: -0.000114458 * x^2 + 0.884086 * 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

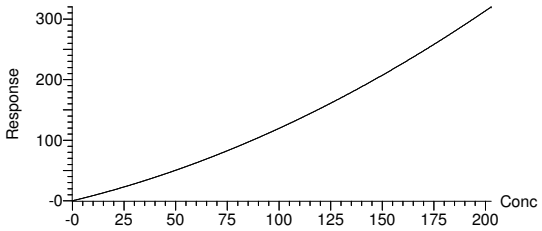
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		6214.279	254.892	0.448					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		6728.953	525.279	0.858					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		6608.481	1099.281	1.824					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		6577.253	2749.484	4.593					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		6325.771	5605.732	9.732					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		6218.706	13494.666	23.774					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		6012.042	27528.126	49.863					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		5353.659	51512.325	103.559					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		4631.073	110526.562	248.782					

Compound name: PFHxS
Coefficient of Determination: 0.000000
Calibration curve: 0.822233 * 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

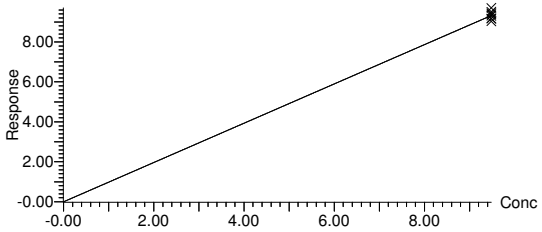
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.330	6882.845	6214.279	9.182	96.9	0.952	170		1.27
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.322	6933.049	6728.953	9.871	104.1	1.024	1285		1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.322	7100.415	6608.481	9.466	99.8	0.982	5839		1.38
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.322	7165.459	6577.253	9.335	98.5	0.968	1884		1.29
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.325	6900.413	6325.771	9.323	98.3	0.967	1230		1.30
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.322	6784.145	6218.706	9.323	98.3	0.967	1438		1.38
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.327	6411.173	6012.042	9.537	100.6	0.989	3145		1.38
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.325	5667.216	5353.659	9.608	101.3	0.996	1172		1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.322	4868.267	4631.073	9.675	102.1	1.003	1197		1.66

Compound name: M3PFHxS
Response Factor: 0.983254
RRF SD: 0.0222833, % Relative SD: 2.26628
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

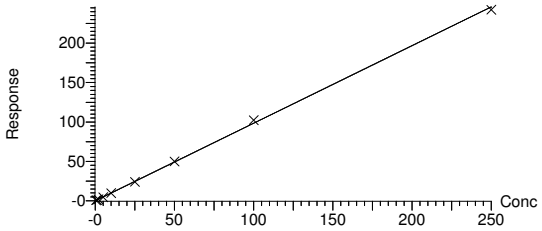
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		73916.414							
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		76590.016							
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		76036.281							
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		76293.773							
5	I58712	IA537STD-10	13-Apr-22	17:22:56		73475.039							
6	I58713	IA537STD-25	13-Apr-22	17:39:29		71064.500							
7	I58714	IA537STD-50	13-Apr-22	17:56:03		68165.789							
8	I58715	IA537STD-100	13-Apr-22	18:12:37		62418.520							
9	I58716	IA537STD-250	13-Apr-22	18:29:11		57007.391							

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999372
Calibration curve: 0.984342 * 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

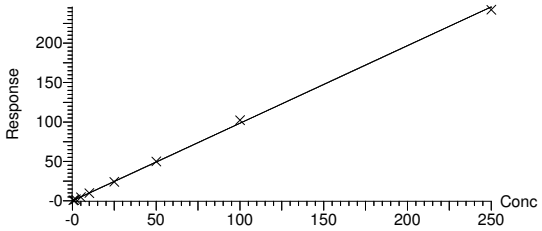
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.119	73916.414	3435.325	0.472	94.4	0.930	781	45	1.24
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.110	76590.016	7130.383	0.946	94.6	0.931	1097	191	1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.114	76036.281	14445.574	1.930	96.5	0.950	1511	117	1.24
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.115	76293.773	35899.504	4.780	95.6	0.941	2938	854	1.20
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.119	73475.039	70770.633	9.785	97.9	0.963	4888	1627	1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.114	71064.500	170173.172	24.327	97.3	0.958	13494	1922	1.26
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.119	68165.789	341294.719	50.865	101.7	1.001	22130	3738	1.28
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115	62418.520	638982.000	103.999	104.0	1.024	36417	4080	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.115	57007.391	1382643.875	246.396	98.6	0.970	82772	9627	1.33

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999372
Calibration curve: 0.984342 * 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

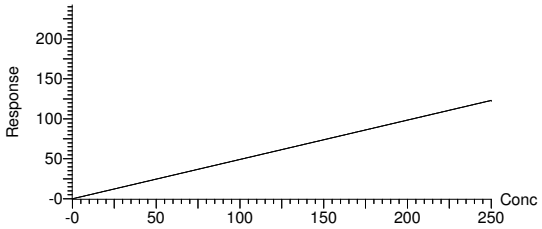
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		73916.414	3435.325	0.472					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		76590.016	7130.383	0.946					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		76036.281	14445.574	1.930					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		76293.773	35899.504	4.780					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		73475.039	70770.633	9.785					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		71064.500	170173.172	24.327					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		68165.789	341294.719	50.865					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		62418.520	638982.000	103.999					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		57007.391	1382643.875	246.396					

Compound name: PFOA
Coefficient of Determination: 0.000000
Calibration curve: 0.492171 * 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

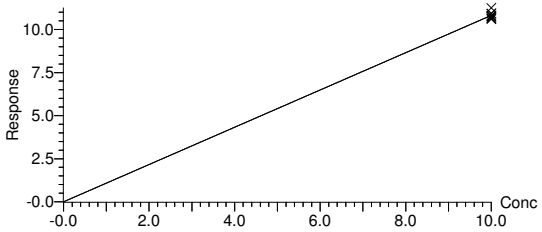
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.120	68676.219	73916.414	9.950	99.5	1.076	13072		1.17
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.111	68052.391	76590.016	10.404	104.0	1.125	6407		1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115	70318.352	76036.281	9.996	100.0	1.081	12863		1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.111	69762.328	76293.773	10.110	101.1	1.094	8758		1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.115	69006.398	73475.039	9.843	98.4	1.065	16303		1.24
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115	66586.563	71064.500	9.866	98.7	1.067	7541		1.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.120	63419.371	68165.789	9.937	99.4	1.075	6979		1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115	58890.566	62418.520	9.798	98.0	1.060	4501		1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.111	52207.934	57007.391	10.094	100.9	1.092	5793		1.30

Compound name: M8PFOA
Response Factor: 1.08171
RRF SD: 0.0200269, % Relative SD: 1.85141
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

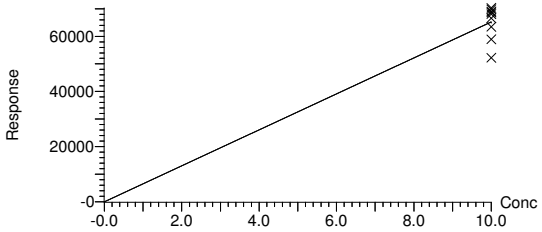
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.119		68676.219	10.531	105.3	6867.622	4858		1.23
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.110		68052.391	10.435	104.4	6805.239	2641		1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115		70318.352	10.783	107.8	7031.835	12700		1.25
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.115		69762.328	10.698	107.0	6976.233	7813		1.17
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.115		69006.398	10.582	105.8	6900.640	8591		1.29
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115		66586.563	10.211	102.1	6658.656	7991		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.119		63419.371	9.725	97.2	6341.937	6379		1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115		58890.566	9.030	90.3	5889.057	4108		1.32
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.110		52207.934	8.006	80.1	5220.793	2462		1.42

Compound name: M2PFOA
Response Factor: 6521.33
RRF SD: 607.675, % Relative SD: 9.31827
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

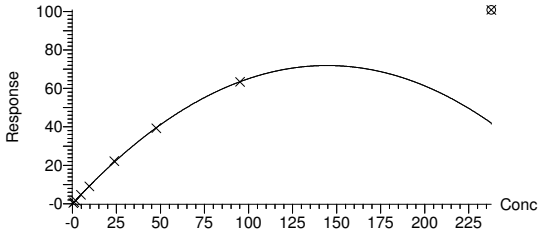
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.080	2553.341	104.433	0.392	82.3	0.818	15	4	1.38
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.067	2409.051	210.870	0.839	88.3	0.875	13	54	1.37
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.071	2445.797	428.435	1.685	88.6	0.876	94	2562	1.19
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.071	2481.422	1252.252	4.908	103.2	1.009	363	134	1.14
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.076	2435.177	2337.488	9.488	99.8	0.960	155	98	1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.071	2517.185	5877.960	24.382	102.6	0.934	920	254	1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.076	2924.010	12090.617	47.258	99.4	0.827	299	65017	1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.076	3464.773	23115.766	95.018	99.9	0.667	479	448	1.11
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.071	5077.768	53831.098			0.424	1194	3160	1.09

Compound name: 6:2FTS
Coefficient of Determination: R^2 = 0.999324
Calibration curve: -0.0034412 * x^2 + 0.994716 * x
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



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Form 6
Semivolatiles

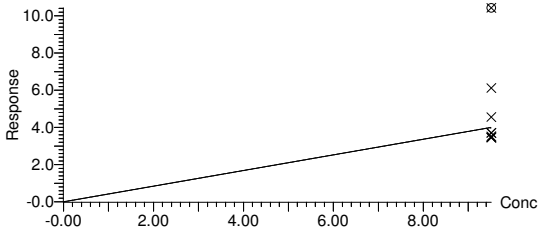
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.076	6882.845	2553.341	8.818	92.7	0.390	452		1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.071	6933.049	2409.051	8.260	86.9	0.365	822		1.17
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.071	7100.415	2445.797	8.188	86.1	0.362	153		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.071	7165.459	2481.422	8.232	86.6	0.364	237		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.076	6900.413	2435.177	8.389	88.2	0.371	141		1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.071	6784.145	2517.185	8.820	92.7	0.390	182		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.076	6411.173	2924.010	10.841	114.0	0.480	1215		1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.076	5667.216	3464.773	14.533	152.8	0.643	871		1.10
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.072	4868.267	5077.768	24.793	260.7	1.097	196		1.09

Compound name: M2-6:2FTS
Response Factor: 0.420689
RRF SD: 0.0977163, % Relative SD: 23.2277
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

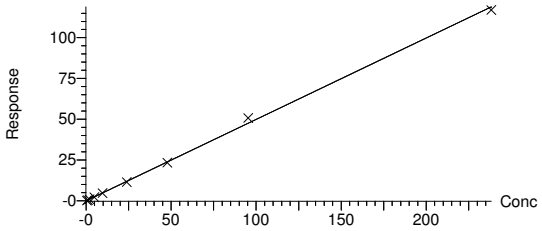
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.211	8383.880	171.581	0.393	82.5	0.412	68	13	1.40
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.206	8906.563	404.748	0.873	91.6	0.457	602	25	1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.211	8663.129	780.270	1.731	90.8	0.453	106	294	1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.206	8653.443	2039.467	4.529	95.0	0.474	291	329	1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.215	8572.226	4184.671	9.380	98.4	0.491	279	431	1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.211	8076.005	9619.652	22.888	96.1	0.479	492	1791	1.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.215	8136.576	19857.023	46.894	98.4	0.491	4068	3870	1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.211	6803.091	35964.238	101.581	106.6	0.532	2766	2380	1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.207	6176.442	75339.430	234.386	98.4	0.491	14366	21775	1.40

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998576
Calibration curve: 0.499081 * 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

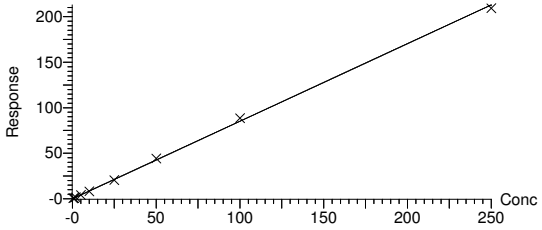
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.882	68868.531	2740.352	0.467	93.4	0.796	427	173	1.29
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.875	72448.953	5606.461	0.909	90.9	0.774	210	257	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.877	72974.063	11525.519	1.855	92.7	0.790	804	264	1.32
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.879	71689.281	29294.506	4.798	96.0	0.817	7359	739	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.882	70503.836	57548.367	9.584	95.8	0.816	4304	1423	1.37
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.879	67277.688	138884.969	24.240	97.0	0.826	17348	3753	1.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.882	62365.035	275963.344	51.958	103.9	0.885	35310	5661	1.36
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.879	57659.281	511105.281	104.083	104.1	0.886	80214	11525	1.35
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.877	50332.941	1052814.125	245.606	98.2	0.837	25764	12991	1.38

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999080
Calibration curve: 0.851647 * 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

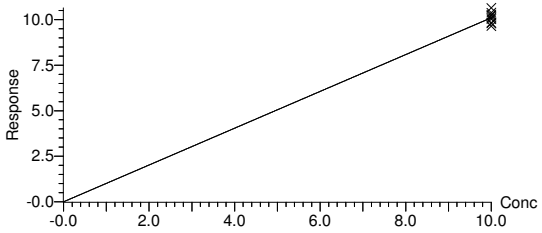
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.882	68676.219	68868.531	9.927	99.3	1.003	18612		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.875	68052.391	72448.953	10.539	105.4	1.065	9663		1.32
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.875	70318.352	72974.063	10.273	102.7	1.038	4717		1.39
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.877	69762.328	71689.281	10.173	101.7	1.028	7286		1.34
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.882	69006.398	70503.836	10.114	101.1	1.022	12870		1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.880	66586.563	67277.688	10.002	100.0	1.010	6997		1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.882	63419.371	62365.035	9.735	97.3	0.983	1901		1.35
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.880	58890.566	57659.281	9.692	96.9	0.979	9019		1.31
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.877	52207.934	50332.941	9.544	95.4	0.964	6450		1.32

Compound name: M9PFNA
Response Factor: 1.01016
RRF SD: 0.0316706, % Relative SD: 3.13521
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

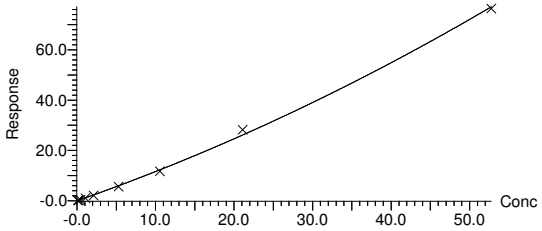
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.742	8383.880	79.154	0.083	78.6	0.858	14	3	0.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.735	8906.563	169.471	0.167	79.1	0.865	4	3	0.55
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.742	8663.129	361.517	0.366	86.7	0.948	6	7	0.46
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.740	8653.443	947.944	0.956	90.7	0.996	78	31	0.41
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.742	8572.226	1885.928	1.909	90.5	1.000	136	52	0.53
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.742	8076.005	4717.880	4.973	94.3	1.062	95	48	0.50
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.745	8136.576	9914.234	10.056	95.3	1.108	773	67	0.48
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.745	6803.091	20040.141	22.604	107.1	1.339	1736	106	0.45
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.742	6176.442	49188.930	52.382	99.3	1.448	657	321	0.48

Compound name: br-PFOS
Coefficient of Determination: R^2 = 0.997967
Calibration curve: 0.00699306 * x^2 + 1.0917 * 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

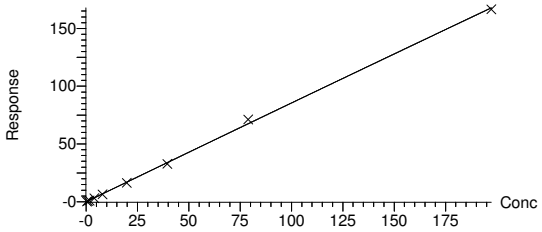
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.937	8383.880	260.270	0.346	87.8	0.755	66	32	1.13
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929	8906.563	542.143	0.679	86.1	0.740	22	34	1.39
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929	8663.129	1012.639	1.304	82.6	0.710	27	59	1.43
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.933	8653.443	2796.399	3.606	91.4	0.786	398	293	1.30
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937	8572.226	5783.967	7.531	95.4	0.820	775	455	1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933	8076.005	13875.338	19.187	97.3	0.835	511	455	1.28
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937	8136.576	27805.289	38.202	96.8	0.831	3939	536	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933	6803.091	50538.367	83.244	105.5	0.903	7867	761	1.37
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933	6176.442	107291.234	195.824	99.3	0.845	2455	1910	1.40

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.998753
Calibration curve: -4.54524e-005 * x^2 + 0.859605 * 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

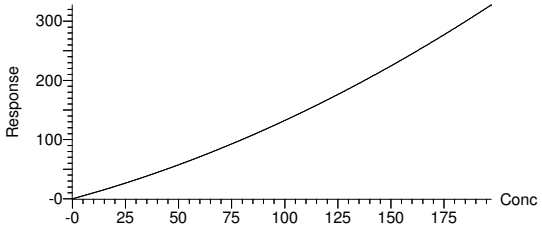
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		8383.880	339.424	0.429					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		8906.563	711.614	0.846					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		8663.129	1374.156	1.670					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		8653.443	3744.343	4.562					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		8572.226	7669.895	9.440					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		8076.005	18593.218	24.160					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		8136.576	37719.523	48.258					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		6803.091	70578.508	105.847					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		6176.442	156480.164	248.206					

Compound name: PFOS
Coefficient of Determination: 0.000000
Calibration curve: 0.975652 * 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

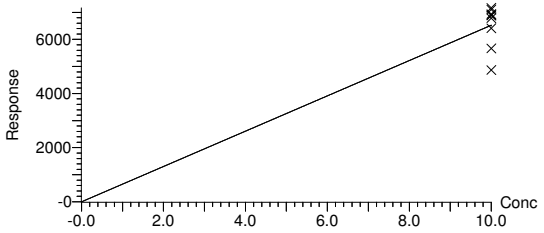
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Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.937		6882.845	10.551	105.5	688.284	997		1.20
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929		6933.049	10.628	106.3	693.305	1039		1.33
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929		7100.415	10.884	108.8	710.042	1482		1.39
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.933		7165.459	10.984	109.8	716.546	1293		1.27
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937		6900.413	10.578	105.8	690.041	1677		1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933		6784.145	10.399	104.0	678.415	2360		1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937		6411.173	9.828	98.3	641.117	1814		1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933		5667.216	8.687	86.9	566.722	3823		1.40
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933		4868.267	7.462	74.6	486.827	1065		1.44

Compound name: M4PFOS
Response Factor: 652.366
RRF SD: 76.9532, % Relative SD: 11.796
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

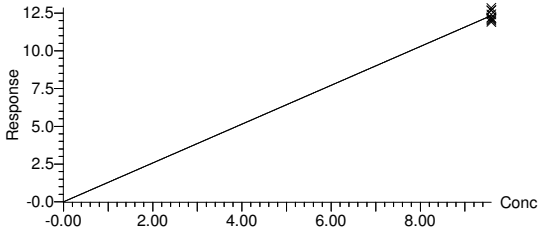
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.933	6882.845	8383.880	9.470	98.8	1.270	1178		1.32
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929	6933.049	8906.563	9.988	104.1	1.340	2091		1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929	7100.415	8663.129	9.486	98.9	1.272	925		1.34
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.929	7165.459	8653.443	9.389	97.9	1.259	1568		1.37
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937	6900.413	8572.226	9.658	100.7	1.295	2041		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933	6784.145	8076.005	9.255	96.5	1.241	3485		1.27
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937	6411.173	8136.576	9.867	102.9	1.323	2025		1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933	5667.216	6803.091	9.333	97.3	1.252	944		1.38
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933	4868.267	6176.442	9.864	102.9	1.323	913		1.43

Compound name: M8PFOS
Response Factor: 1.28623
RRF SD: 0.0354332, % Relative SD: 2.75481
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

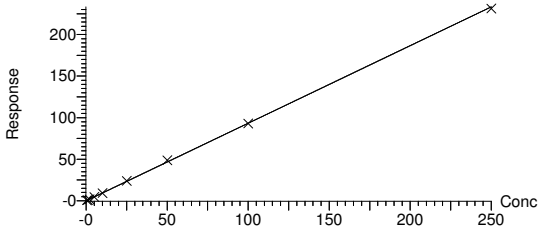
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	68469.914	3167.335	0.496	99.1	0.925	127	71	1.14
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	73085.734	6547.257	0.960	96.0	0.896	449	18571	1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	71524.258	13042.044	1.954	97.7	0.912	785	104	1.16
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	72184.539	32388.043	4.808	96.2	0.897	2651	109	1.24
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	68723.227	63486.273	9.900	99.0	0.924	9058	637	1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	61891.203	147935.281	25.615	102.5	0.956	8004	1120	1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	59163.844	287894.250	52.146	104.3	0.973	17517	4553	1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	54301.473	505264.094	99.713	99.7	0.930	15825	4306	1.17
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	45711.461	1057479.875	247.909	99.2	0.925	25853	7585	1.30

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999677
Calibration curve: 0.933158 * 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

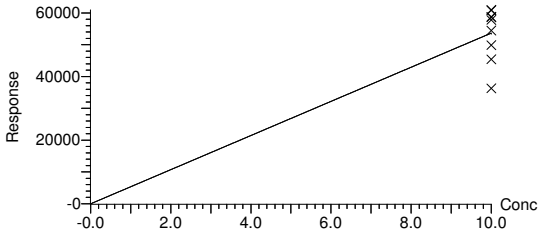
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...		57785.605	10.765	107.6	5778.561	4774		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...		58758.914	10.946	109.5	5875.891	4405		1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...		60979.289	11.360	113.6	6097.929	4410		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...		60816.547	11.330	113.3	6081.655	5024		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...		58616.219	10.920	109.2	5861.622	22426		1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...		54497.184	10.152	101.5	5449.718	3010		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...		49896.270	9.295	93.0	4989.627	5374		1.28
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...		45432.625	8.464	84.6	4543.262	1649		1.21
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...		36332.258	6.768	67.7	3633.226	6323		1.34

Compound name: M2PFDA
Response Factor: 5367.94
RRF SD: 833.048, % Relative SD: 15.5189
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

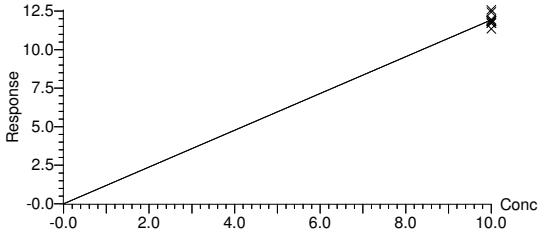
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	57785.605	68469.914	9.933	99.3	1.185	5181		1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	58758.914	73085.734	10.427	104.3	1.244	439		1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	60979.289	71524.258	9.833	98.3	1.173	1226		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	60816.547	72184.539	9.950	99.5	1.187	6880		1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	58616.219	68723.227	9.829	98.3	1.172	11188		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	54497.184	61891.203	9.521	95.2	1.136	2466		1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	49896.270	59163.844	9.940	99.4	1.186	507		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	45432.625	54301.473	10.020	100.2	1.195	3631		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	36332.258	45711.461	10.547	105.5	1.258	2470		1.26

Compound name: M6PFDA
Response Factor: 1.19286
RRF SD: 0.0372489, % Relative SD: 3.12265
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

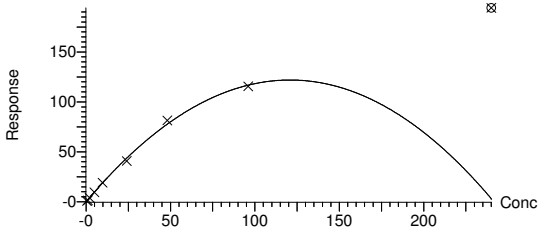
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	1951.854	126.087	0.308	64.1	1.292	24	745	1.60
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	1670.966	250.876	0.716	74.6	1.501	6	12	1.43
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	1571.077	686.189	2.096	109.2	2.184	1666	92	1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	1633.535	1633.580	4.855	101.1	2.000	241	7822	1.23
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	1682.487	3380.288	9.969	103.8	2.009	71261	16984	1.27
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	1810.738	7703.726	22.296	92.9	1.702	1457	176	1.25
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	1785.142	15124.318	51.119	106.5	1.694	536	641	1.33
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	2211.801	26615.070	93.180	97.1	1.203	804	70	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	2738.615	55372.297			0.809	706	1814	1.28

Compound name: 8:2FTS
Coefficient of Determination: R^2 = 0.996660
Calibration curve: -0.00835332 * x^2 + 2.0181 * 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

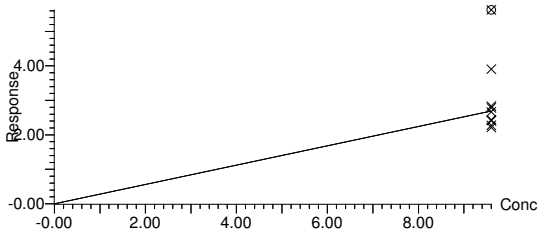
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	6882.845	1951.854	10.114	105.4	0.295	603		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	6933.049	1670.966	8.596	89.5	0.251	247		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	7100.415	1571.077	7.892	82.2	0.230	73		1.45
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	7165.459	1633.535	8.131	84.7	0.237	606		1.33
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	6900.413	1682.487	8.696	90.6	0.254	260		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	6784.145	1810.738	9.520	99.2	0.278	464		1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	6411.173	1785.142	9.931	103.4	0.290	494		1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	5667.216	2211.801	13.920	145.0	0.407	166		1.24
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	4868.267	2738.615	20.064	209.0	0.586	398		1.31

Compound name: M2-8:2FTS
Response Factor: 0.280376
RRF SD: 0.0562246, % Relative SD: 20.0533
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

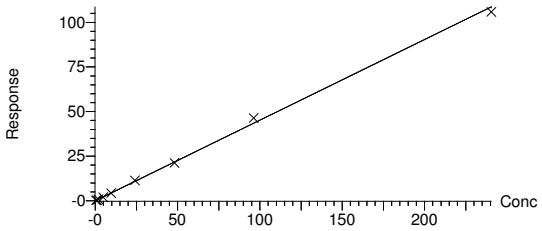
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	8383.880	207.941	0.526	109.4	0.495	4872	4	1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	8906.563	367.833	0.876	91.1	0.412	7132	4420	1.29
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	8663.129	736.967	1.805	93.8	0.424	156	17	1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	8653.443	1875.789	4.600	95.6	0.432	163	27939	1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	8572.226	3790.822	9.384	97.5	0.441	226	366	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	8076.005	9605.916	25.241	105.0	0.474	341	950	1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	8136.576	18021.775	47.002	97.7	0.442	908	210	1.17
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	6803.091	32967.609	102.836	106.9	0.483	2098	3046	1.13
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	6176.442	68216.492	234.376	97.5	0.440	4962	3763	1.32

Compound name: PFNS
Coefficient of Determination: R^2 = 0.998204
Calibration curve: 0.451915 * 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

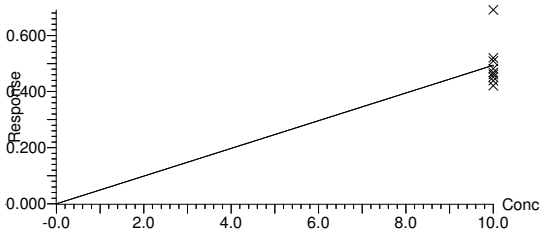
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.8...	57785.605	2785.578	9.763	97.6	0.048	450		0.95
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.8...	58758.914	2577.158	8.883	88.8	0.044	117		0.97
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.8...	60979.289	2567.593	8.528	85.3	0.042	323		0.95
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.8...	60816.547	2806.508	9.346	93.5	0.046	637		0.96
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	58616.219	2646.290	9.144	91.4	0.045	71		0.85
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.8...	54497.184	2550.829	9.480	94.8	0.047	427		0.85
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.8...	49896.270	2540.939	10.314	103.1	0.051	254		0.92
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.8...	45432.625	2364.550	10.541	105.4	0.052	218		0.90
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.8...	36332.258	2511.711	14.001	140.0	0.069	199		0.88

Compound name: d3-NMeFOSAA
Response Factor: 0.0493747
RRF SD: 0.00805746, % Relative SD: 16.319
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

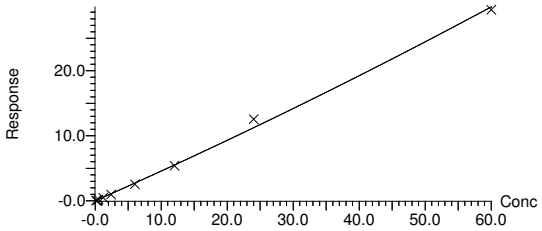
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.7...	2785.578	14.451	0.115	96.2	0.432	0		0.37
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.7...	2577.158	11.479	0.099	41.3	0.186	3	1	0.30
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.7...	2567.593	44.328	0.384	80.0	0.360	1	2	1.55
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.7...	2806.508	133.282	1.055	87.9	0.396	2	4	0.48
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.7...	2646.290	255.808	2.143	89.3	0.403	20	8	0.42
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.7...	2550.829	651.243	5.625	93.7	0.426	23	11	0.46
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.7...	2540.939	1368.381	11.739	97.8	0.449	89	71	0.44
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.7...	2364.550	2964.975	26.644	111.0	0.522	37	54	0.47
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.7...	2511.711	7384.312	59.209	98.7	0.490	96	446	0.43

Compound name: br-NMeFOSAA
Coefficient of Determination: R^2 = 0.994430
Calibration curve: 0.00079562 * x^2 + 0.449433 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/y, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

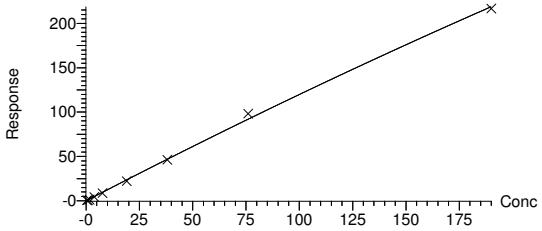
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	2785.578	141.346	0.406	106.8	1.335	5	6	0.76
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.8...	2577.158	150.763	0.468	61.6	0.770	43	12	1.22
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	2567.593	379.750	1.183	77.8	0.973	9	12	0.88
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.8...	2806.508	1189.424	3.394	89.3	1.115	31	29	1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	2646.290	2287.070	6.931	91.2	1.137	298	73	0.86
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.8...	2550.829	5630.429	17.781	93.6	1.162	274	73	1.00
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	2540.939	11766.226	37.616	99.0	1.219	1015	427	0.96
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	2364.550	23248.422	81.371	107.1	1.294	393	320	0.93
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.8...	2511.711	54410.430	187.894	98.9	1.140	931	2677	0.91

Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.997524
Calibration curve: -0.000519832 * x^2 + 1.25059 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

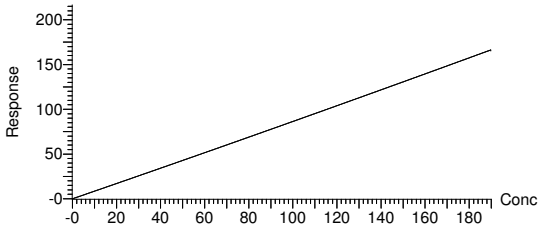
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		2785.578	155.797	0.521					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		2577.158	162.242	0.567					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		2567.593	424.078	1.567					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		2806.508	1322.706	4.448					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		2646.290	2542.878	9.073					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		2550.829	6281.672	23.406					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		2540.939	13134.607	49.354					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		2364.550	26213.397	108.015					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		2511.711	61794.742	247.103					

Compound name: NMeFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.850013 * 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

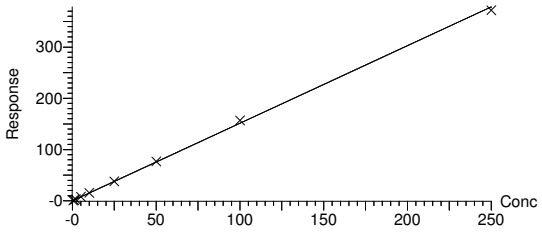
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.064	44022.203	3008.363	0.451	90.3	1.367	691	4	1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.055	42561.852	6627.849	1.029	102.9	1.557	453	326	1.14
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.059	41300.094	12139.437	1.942	97.1	1.470	390	44	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.059	43179.660	33962.883	5.195	103.9	1.573	3531	128	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.062	41380.883	63032.496	10.061	100.6	1.523	2521	394	1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.059	37946.855	143794.531	25.030	100.1	1.516	3157	448	1.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.064	34906.352	267741.031	50.664	101.3	1.534	7472	514	1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.064	31438.658	492869.719	103.553	103.6	1.568	40183	1113	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.055	26126.678	971349.438	245.575	98.2	1.487	57509	2643	1.43

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999459
Calibration curve: 1.51394 * 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

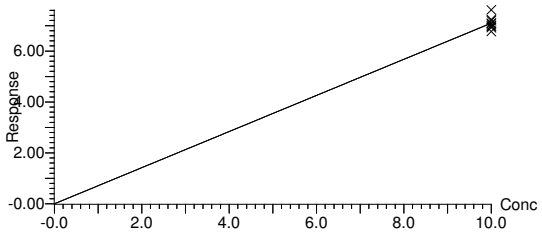
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.064	57785.605	44022.203	10.736	107.4	0.762	1313		1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.055	58758.914	42561.852	10.208	102.1	0.724	971		1.17
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.060	60979.289	41300.094	9.545	95.4	0.677	4191		1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.060	60816.547	43179.660	10.006	100.1	0.710	2832		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.062	58616.219	41380.883	9.949	99.5	0.706	6165		1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.060	54497.184	37946.855	9.813	98.1	0.696	1434		1.27
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.064	49896.270	34906.352	9.859	98.6	0.700	771		1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.064	45432.625	31438.658	9.752	97.5	0.692	671		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.055	36332.258	26126.678	10.134	101.3	0.719	1094		1.30

Compound name: M7-PFUDA
Response Factor: 0.709598
RRF SD: 0.0241868, % Relative SD: 3.40853
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

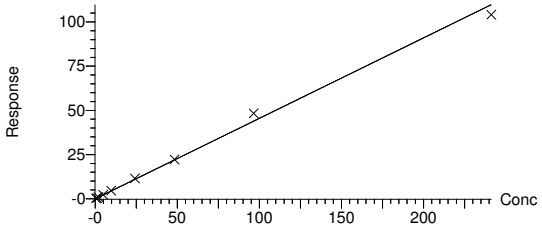
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.070	8383.880	190.209	0.478	99.1	0.451	23	60	1.59
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.065	8906.563	395.077	0.935	96.9	0.441	17	72	1.53
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.074	8663.129	864.089	2.102	108.9	0.496	125	71	1.23
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.074	8653.443	2079.205	5.064	105.0	0.478	418	83	1.34
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.077	8572.226	4151.735	10.207	105.8	0.481	271	230	1.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.074	8076.005	9744.214	25.429	105.4	0.480	543	564	1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.079	8136.576	18859.256	48.850	101.2	0.461	870	1530	1.22
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.079	6803.091	34239.609	106.072	109.9	0.500	341	1160	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.074	6176.442	67064.227	228.840	94.9	0.432	1054	771	1.31

Compound name: PFDS
Coefficient of Determination: R^2 = 0.995772
Calibration curve: 0.455029 * 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

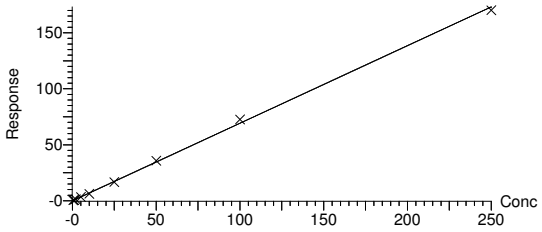
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	18651.363	660.975	0.512	102.4	0.709	171	82	1.19
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.9...	18303.158	1204.837	0.951	95.1	0.658	98	3	1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	18223.188	2490.195	1.973	98.7	0.683	584	2	1.08
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.9...	18505.473	6199.845	4.838	96.8	0.670	387	831	1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	18889.666	11868.024	9.073	90.7	0.628	1276	4	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.9...	17495.816	29314.309	24.196	96.8	0.670	1284	17	1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	16993.432	60679.891	51.565	103.1	0.714	1226	212	1.15
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	15895.686	115295.016	104.743	104.7	0.725	4141	140	1.17
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.9...	15589.513	265189.281	245.650	98.3	0.680	4158	157	1.15

Compound name: FOSA
Coefficient of Determination: R^2 = 0.998891
Calibration curve: 0.69248 * 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

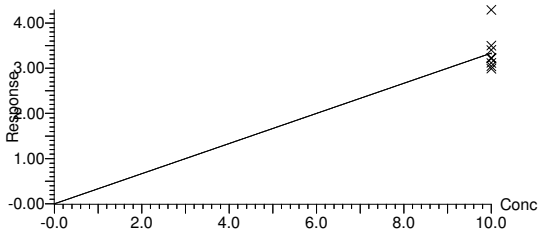
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	57785.605	18651.363	9.682	96.8	0.323	2170		1.08
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.9...	58758.914	18303.158	9.344	93.4	0.311	1994		1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	60979.289	18223.188	8.965	89.6	0.299	967		1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.9...	60816.547	18505.473	9.128	91.3	0.304	441		1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	58616.219	18889.666	9.667	96.7	0.322	791		1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.9...	54497.184	17495.816	9.631	96.3	0.321	1290		1.09
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	49896.270	16993.432	10.217	102.2	0.341	1776		1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	45432.625	15895.686	10.495	105.0	0.350	2354		1.15
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.9...	36332.258	15589.513	12.872	128.7	0.429	1805		1.12

Compound name: M8FOSA
Response Factor: 0.333358
RRF SD: 0.0393535, % Relative SD: 11.8052
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

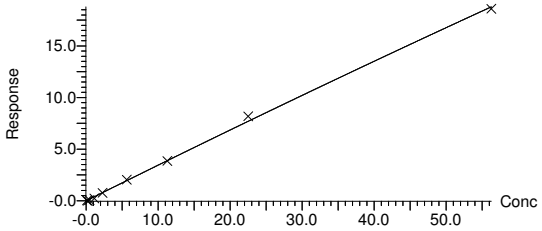
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	2132.584	2.591	0.035	31.0	0.108	65	0	3.55
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.034	2155.549	1.533	0.020	9.1	0.032	0	1	0.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.047	2148.323	15.770	0.211	46.9	0.163	6	9	0.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.047	2352.798	52.222	0.638	56.7	0.197	18	4	0.37
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.045	2160.968	167.117	2.226	99.0	0.344	17	35	0.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.038	2047.219	418.397	5.899	104.9	0.363	25	58	0.38
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.038	2234.842	861.283	11.166	99.3	0.343	12	38	0.39
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.043	2053.126	1681.369	23.945	106.4	0.364	64	74	0.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.038	2137.363	3974.725	55.646	98.9	0.331	71	182	0.39

Compound name: br-NEtFOSAA
Coefficient of Determination: R^2 = 0.992638
Calibration curve: -0.000246377 * x^2 + 0.347901 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

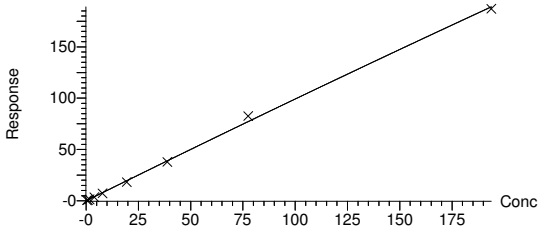
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.189	2132.584	76.488	0.355	91.7	0.926	1565	4	1.63
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.180	2155.549	134.881	0.620	80.0	0.807	36	5	1.50
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.184	2148.323	309.886	1.429	92.2	0.931	88	37	1.68
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.193	2352.798	839.091	3.534	91.2	0.920	282	29	1.31
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.191	2160.968	1542.024	7.076	91.3	0.921	269	320	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.193	2047.219	3732.291	18.114	93.5	0.941	325	431	1.14
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.193	2234.842	8454.319	37.716	97.3	0.976	179	311	1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.193	2053.126	16963.080	83.038	107.1	1.066	944	663	1.27
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.188	2137.363	40004.148	191.832	99.0	0.966	1078	1594	1.30

Compound name: L-NEtFOSAA
Coefficient of Determination: R^2 = 0.997999
Calibration curve: -0.000177347 * x^2 + 1.0097 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

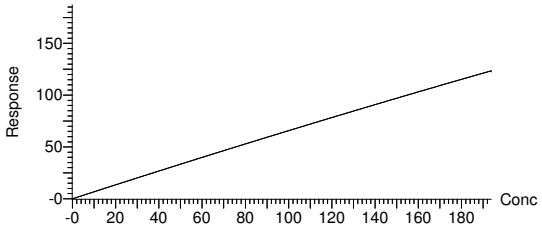
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		2132.584	79.079	0.390					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		2155.549	136.414	0.640					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		2148.323	325.656	1.640					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		2352.798	891.313	4.173					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		2160.968	1709.141	9.302					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		2047.219	4150.688	24.013					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		2234.842	9315.602	48.882					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		2053.126	18644.449	106.984					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		2137.363	43978.873	247.478					

Compound name: NEtFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.678799 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

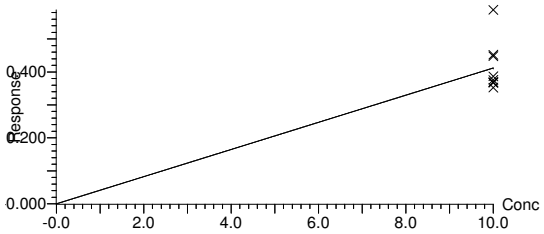
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.184	57785.605	2132.584	8.959	89.6	0.037	324		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.175	58758.914	2155.549	8.905	89.1	0.037	340		1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.180	60979.289	2148.323	8.552	85.5	0.035	279		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.180	60816.547	2352.798	9.391	93.9	0.039	60		1.33
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.182	58616.219	2160.968	8.949	89.5	0.037	197		1.36
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.184	54497.184	2047.219	9.119	91.2	0.038	490		1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.184	49896.270	2234.842	10.873	108.7	0.045	270		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.184	45432.625	2053.126	10.970	109.7	0.045	251		1.30
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.180	36332.258	2137.363	14.281	142.8	0.059	324		1.28

Compound name: d5-NEtFOSAA
Response Factor: 0.0411942
RRF SD: 0.00751949, % Relative SD: 18.2538
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

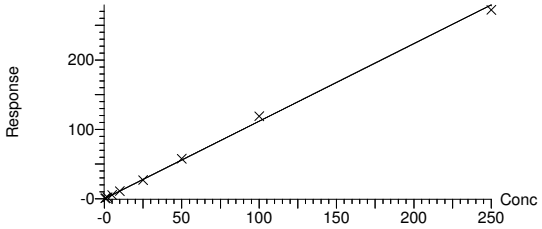
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.541	27810.164	1746.350	0.562	112.3	1.256	230	13	1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.532	25698.969	2836.002	0.987	98.7	1.104	429	27	1.27
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.536	25875.039	5497.677	1.900	95.0	1.062	473	9	1.23
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.536	24875.635	13667.449	4.914	98.3	1.099	1917	96	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.542	24669.096	26890.787	9.750	97.5	1.090	2093	82	1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.541	24025.004	64456.402	23.997	96.0	1.073	2050	1002	1.19
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.536	23135.057	133531.688	51.626	103.3	1.154	12561	204	1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.541	20263.416	240968.391	106.365	106.4	1.189	8114	2923	1.29
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.531	19408.529	528150.313	243.398	97.4	1.088	16929	4176	1.43

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998362
Calibration curve: 1.11801 * 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

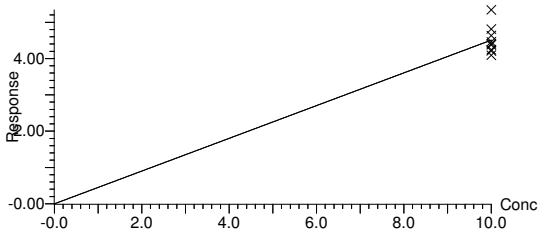
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.541	57785.605	27810.164	10.675	106.7	0.481	2369		1.18
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.532	58758.914	25698.969	9.701	97.0	0.437	2330		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.536	60979.289	25875.039	9.412	94.1	0.424	2546		1.15
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.537	60816.547	24875.635	9.073	90.7	0.409	1151		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.542	58616.219	24669.096	9.335	93.3	0.421	1359		1.16
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.541	54497.184	24025.004	9.778	97.8	0.441	563		1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.537	49896.270	23135.057	10.284	102.8	0.464	2364		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.541	45432.625	20263.416	9.893	98.9	0.446	2765		1.20
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.536	36332.258	19408.529	11.849	118.5	0.534	2007		1.27

Compound name: MPFDOA
Response Factor: 0.450839
RRF SD: 0.0382317, % Relative SD: 8.48011
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

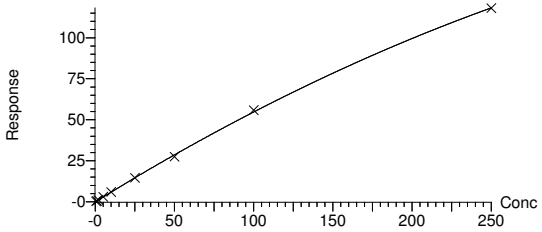
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.952	40706.596	1313.917	0.541	108.2	0.646	96	22	1.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.947	39862.889	2507.407	1.055	105.5	0.629	213	50	1.11
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.952	40782.537	4642.785	1.910	95.5	0.569	714	33	1.12
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.952	38670.829	12140.063	5.282	105.6	0.628	1024	203	1.14
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.953	37873.122	22958.160	10.242	102.4	0.606	1563	230	1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.952	36740.308	53490.785	24.904	99.6	0.582	2611	172	1.32
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.952	35862.895	98538.734	47.937	95.9	0.550	1846	421	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.958	32449.493	181128.203	102.185	102.2	0.558	3825	528	1.23
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.952	31707.842	374173.000	249.395	99.8	0.472	14229	1047	1.26

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999556
Calibration curve: -0.000496418 * x^2 + 0.596975 * x
Response type: Internal Std (Ref Multiple), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

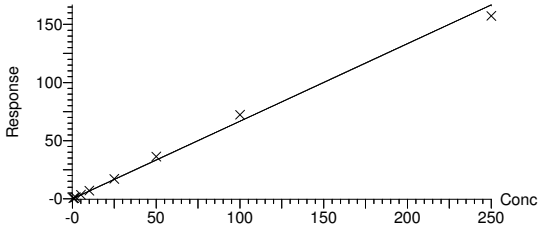
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.3...	53603.027	1925.329	0.538	107.7	0.718	180	103	1.12
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.3...	54026.809	3609.976	1.001	100.1	0.668	342	98	1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.3...	55690.035	7389.772	1.989	99.4	0.663	824	14968	1.19
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.3...	52466.023	17895.223	5.112	102.2	0.682	982	66	1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.3...	51077.148	36104.887	10.595	105.9	0.707	2321	511	1.29
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.3...	49455.613	85016.172	25.765	103.1	0.688	1862	494	1.33
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.3...	48590.734	176621.188	54.480	109.0	0.727	4518	1051	1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.3...	44635.570	322540.844	108.305	108.3	0.723	8784	602	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.311	44007.156	692096.688	235.715	94.3	0.629	7489	6054	1.37

Compound name: PFTA
Coefficient of Determination: R^2 = 0.995341
Calibration curve: 0.6672 * 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

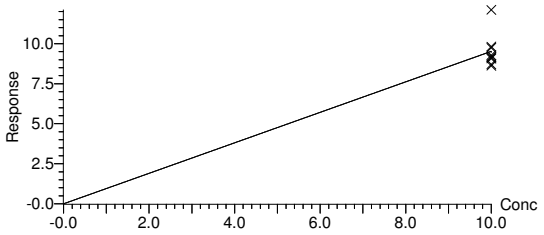
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.3...	57785.605	53603.027	9.742	97.4	0.928	2746		1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.3...	58758.914	54026.809	9.657	96.6	0.919	2476		1.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.3...	60979.289	55690.035	9.591	95.9	0.913	814		1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.3...	60816.547	52466.023	9.060	90.6	0.863	4134		1.24
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.3...	58616.219	51077.148	9.152	91.5	0.871	2996		1.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.3...	54497.184	49455.613	9.531	95.3	0.907	2359		1.29
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.3...	49896.270	48590.734	10.228	102.3	0.974	2155		1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.3...	45432.625	44635.570	10.318	103.2	0.982	1261		1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.3...	36332.258	44007.156	12.721	127.2	1.211	2041		1.34

Compound name: M2PFTEDA
Response Factor: 0.952161
RRF SD: 0.105012, % Relative SD: 11.0288
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

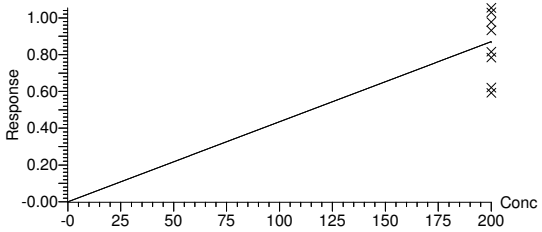
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.321	68676.219	7067.468	236.381	118.2	0.005	193		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.312	68052.391	7004.667	236.428	118.2	0.005	702		1.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.315	70318.352	7414.315	242.191	121.1	0.005	83		0.95
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.318	69762.328	6498.912	213.981	107.0	0.005	547		1.04
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.315	69006.398	6749.141	224.654	112.3	0.005	898		1.06
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.312	66586.563	5224.678	180.231	90.1	0.004	614		1.14
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.312	63419.371	5174.870	187.427	93.7	0.004	12		1.34
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.309	58890.566	3656.356	142.613	71.3	0.003	21		1.65
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.302	52207.934	3093.282	136.094	68.0	0.003	86		2.15

Compound name: M3HFPO-DA
Response Factor: 0.00435356
RRF SD: 0.000882878, % Relative SD: 20.2794
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

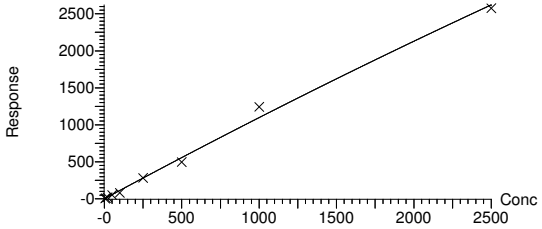
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.318	7067.468	140.778	3.525	70.5	0.797	25	2	1.34
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.314	7004.667	324.459	8.199	82.0	0.926	48	19	1.06
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.308	7414.315	662.129	15.810	79.0	0.893	188	82	1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.311	6498.912	1729.805	47.164	94.3	1.065	147	32	1.44
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.320	6749.141	2723.998	71.568	71.6	0.807	252	344	0.90
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.314	5224.678	7383.353	251.901	100.8	1.131	1336	723	1.05
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.311	5174.870	12875.942	446.046	89.2	0.995	135	3536	1.52
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.305	3656.356	22738.904	1137.936	113.8	1.244	47	4703	1.91
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.302	3093.282	39838.227	2453.051	98.1	1.030	152	1720	2.06

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.991577
Calibration curve: -3.26949e-005 * x^2 + 1.13024 * x
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

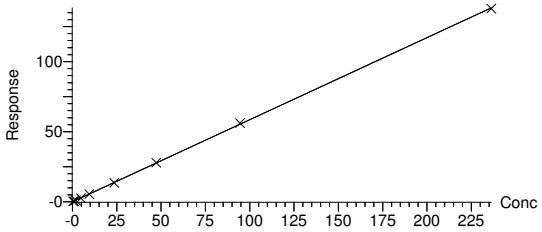
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.347	73916.414	1980.167	0.457	96.8	0.567	210	6	1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.337	76590.016	4038.787	0.900	95.3	0.558	514	45	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.342	76036.281	7936.744	1.782	94.3	0.552	1920	307	1.25
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.342	76293.773	20189.600	4.519	95.6	0.560	2476	18	1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.342	73475.039	39870.289	9.266	98.1	0.574	10812	228	1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.342	71064.500	95849.758	23.032	97.5	0.571	26520	961	1.23
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.347	68165.789	190403.188	47.698	100.9	0.591	18519	1920	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.344	62418.520	350867.563	95.989	101.6	0.595	24824	1005	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.342	57007.391	786068.313	235.463	99.7	0.584	38127	10039	1.38

Compound name: ADONA
Coefficient of Determination: R^2 = 0.999834
Calibration curve: 0.585608 * 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

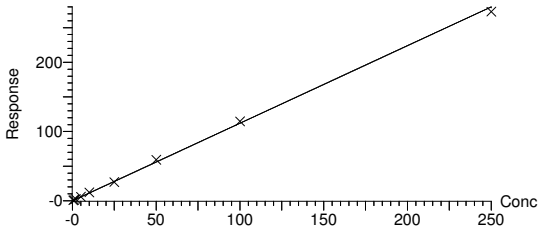
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.7...	9172.977	764.867	0.744	148.9	1.668	182	37	1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.7...	8975.259	1226.814	1.220	122.0	1.367	259	10	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.7...	8930.111	2237.443	2.237	111.9	1.253	304	7	1.63
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.7...	8734.326	5077.610	5.191	103.8	1.163	1661	73	1.41
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.7...	8939.716	10707.668	10.694	106.9	1.198	1514	70	1.45
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.7...	8550.182	23248.064	24.277	97.1	1.088	1022	532	1.63
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.7...	8418.035	49971.375	53.002	106.0	1.187	23	445	1.48
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.7...	8080.573	92715.102	102.444	102.4	1.147	267	632	1.65
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.7...	7180.162	195971.594	243.690	97.5	1.092	7650	797	1.66

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.998395
Calibration curve: 1.12001 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

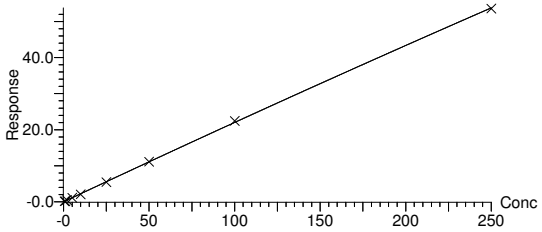
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.9...	9172.977	95.273	0.465	93.0	0.208	22	5	1.89
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.9...	8975.259	169.739	0.847	84.7	0.189	51	28	1.64
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.9...	8930.111	392.976	1.970	98.5	0.220	169	28	1.26
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.9...	8734.326	976.724	5.009	100.2	0.224	310	77	1.42
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.9...	8939.716	1856.944	9.310	93.1	0.208	321	30	1.44
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.9...	8550.182	4666.886	24.518	98.1	0.218	53	92	1.41
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.9...	8418.035	9352.780	50.097	100.2	0.222	1398	224	1.42
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.9...	8080.573	18156.777	102.103	102.1	0.225	693	526	1.53
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.9...	7180.162	38507.281	249.181	99.7	0.215	659	166	1.54

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999684
Calibration curve: -3.2921e-005 * x^2 + 0.223429 * 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

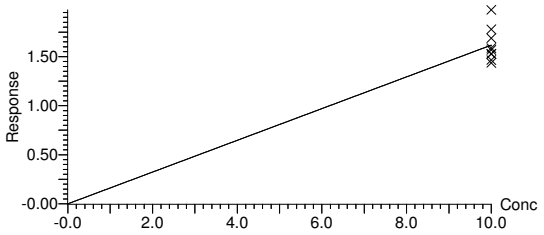
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.7...	57785.605	9172.977	9.818	98.2	0.159	297		1.72
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.7...	58758.914	8975.259	9.447	94.5	0.153	109		1.35
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.7...	60979.289	8930.111	9.058	90.6	0.146	76		1.61
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.7...	60816.547	8734.326	8.883	88.8	0.144	658		1.78
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.7...	58616.219	8939.716	9.433	94.3	0.153	222		1.55
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.7...	54497.184	8550.182	9.704	97.0	0.157	592		1.50
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.7...	49896.270	8418.035	10.435	104.3	0.169	281		1.47
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.7...	45432.625	8080.573	11.000	110.0	0.178	1400		1.61
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.7...	36332.258	7180.162	12.223	122.2	0.198	569		2.08

Compound name: M2PFHxDA
Response Factor: 0.161683
RRF SD: 0.0171645, % Relative SD: 10.6161
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

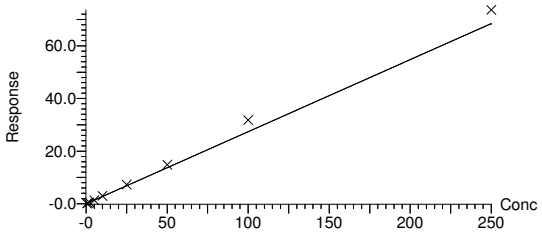
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.958	8383.880	82.333	0.344	68.8	0.188	12	396	0.87
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.936	8906.563	272.403	1.071	107.1	0.293	12	21	1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.942	8663.129	390.868	1.580	79.0	0.216	4841	2447	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.947	8653.443	1209.323	4.894	97.9	0.268	95	47	1.15
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.948	8572.226	2656.118	10.850	108.5	0.297	265	69	1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.947	8076.005	6144.830	26.644	106.6	0.292	914	379	1.13
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.947	8136.576	12581.823	54.148	108.3	0.297	2233	519	1.13
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.953	6803.091	22592.467	116.289	116.3	0.318	984	503	1.10
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.941	6176.442	47445.301	268.989	107.6	0.295	2320	1698	1.22

Compound name: PFDoS
Response Factor: 0.273866
RRF SD: 0.0430667, % Relative SD: 15.7255
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

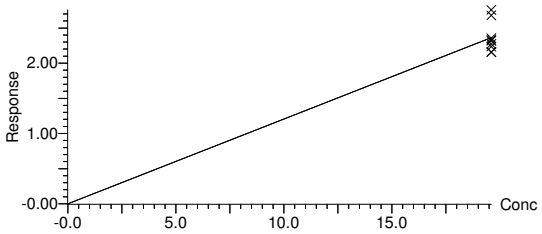
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2D4-10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.552	6882.845	1898.299	22.879	116.7	0.141	86		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.538	6933.049	1607.561	19.235	98.1	0.118	108		1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.542	7100.415	1613.860	18.855	96.2	0.116	105		1.17
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.547	7165.459	1546.334	17.902	91.3	0.110	146		1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.548	6900.413	1541.734	18.535	94.6	0.114	65		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.547	6784.145	1597.639	19.536	99.7	0.120	26683		1.08
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.547	6411.173	1383.230	17.898	91.3	0.110	239		1.11
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.552	5667.216	1321.374	19.342	98.7	0.119	100		1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.547	4868.267	1303.869	22.218	113.4	0.137	352		1.05

Compound name: M2D4-10:2FTS
Response Factor: 0.120546
RRF SD: 0.0109334, % Relative SD: 9.06994
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

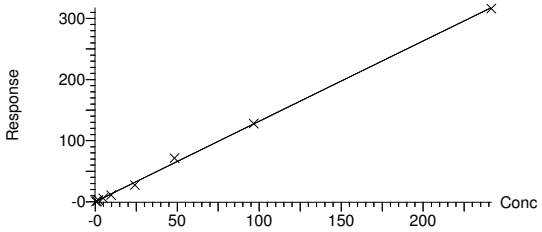
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.551	1898.299	50.683	0.396	82.1	1.083	3	352	1.03
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.542	1607.561	77.007	0.711	73.6	0.972	7	955	1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.542	1613.860	215.475	1.982	102.6	1.355	34	36	1.37
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.551	1546.334	450.502	4.325	89.5	1.182	7472	4010	1.07
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.552	1541.734	861.647	8.298	85.9	1.134	132	356	1.12
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.551	1597.639	2239.458	20.816	86.2	1.138	116	189	1.09
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.551	1383.230	5044.118	54.182	112.2	1.480	629	619	1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.556	1321.374	8643.272	97.258	100.7	1.327	812	1032	1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.546	1303.869	21036.525	240.454	99.6	1.309	2259	1465	1.09

Compound name: 10:2FTS
Coefficient of Determination: R^2 = 0.996317
Calibration curve: -2.15836e-005 * x^2 + 1.32031 * x
Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

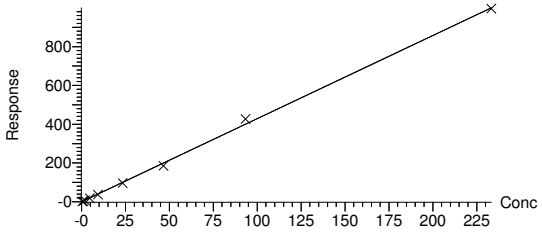
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Project Name	: GCL03162		Project Number	: GCL03162	
Instrument ID	: LCMS02		Ical Ref	: ICAL18931	
Calibration dates	: 04/13/22 16:33	04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.2...	8383.880	1529.075	0.408	87.5	3.749	98	63	1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.2...	8906.563	3387.581	0.851	91.2	3.909	280	64	1.04
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.2...	8663.129	6613.403	1.708	91.5	3.923	234	314	1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.2...	8653.443	16861.434	4.359	93.4	4.006	402	564	1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.2...	8572.226	33497.563	8.741	93.7	4.017	3673	1035	1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.2...	8076.005	81158.227	22.480	96.4	4.132	5416	2684	1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.2...	8136.576	157813.172	43.387	93.0	3.987	8437	5230	1.10
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.2...	6803.091	302838.688	99.578	106.7	4.576	28030	9190	1.15
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.2...	6176.442	641327.750	232.274	99.6	4.269	45318	3088	1.14

Compound name: 9CL-PF3ONS
Coefficient of Determination: R^2 = 0.998059
Calibration curve: 4.28706 * 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

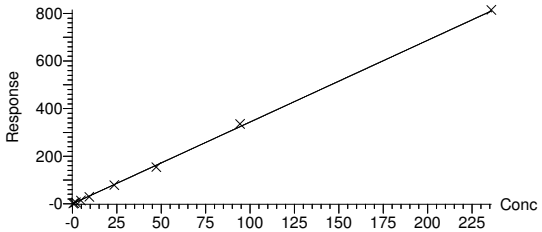
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Project Name	: GCL03162		Project Number	: GCL03162	
Instrument ID	: LCMS02		Ical Ref	: ICAL18931	
Calibration dates	: 04/13/22 16:33	04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 11CL-PFOUdS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.339	8383.880	1259.349	0.419	88.9	3.055	332	19	1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.329	8906.563	2592.931	0.812	86.2	2.961	80	136	1.01
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.334	8663.129	5236.753	1.687	89.4	3.074	919	249	1.04
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.339	8653.443	12683.936	4.090	86.8	2.981	498	480	1.02
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.342	8572.226	26445.059	8.609	91.3	3.137	1091	307	1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.339	8076.005	65891.641	22.768	96.6	3.319	1597	2165	1.04
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.339	8136.576	130918.625	44.900	95.2	3.273	29897	4913	1.04
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.339	6803.091	238404.516	97.791	103.7	3.564	18860	2281	1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.334	6176.442	524878.625	237.144	100.6	3.457	4369	1774	1.10

Compound name: 11CL-PFOUdS
Coefficient of Determination: R^2 = 0.998826
Calibration curve: 3.43659 * 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

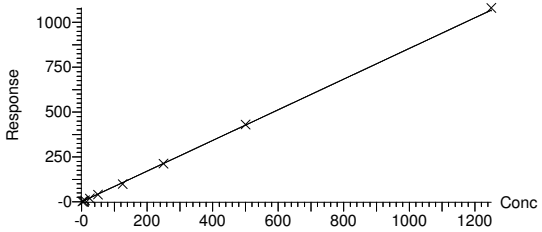
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.548	31389.230	512.479	1.910	76.4	0.653	202	43	1.15
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.539	29021.764	1191.627	4.804	96.1	0.821	204	61	1.12
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.544	29263.359	2402.274	9.605	96.1	0.821	290	155	1.14
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.544	29323.215	5566.592	22.212	88.8	0.759	2022	410	1.20
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.549	28852.328	11631.372	47.169	94.3	0.806	349	2200	1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.548	27634.563	27210.664	115.212	92.2	0.788	2408	907	1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.548	26327.721	55949.422	248.652	99.5	0.850	34297	1946	1.11
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.548	24372.738	104838.414	503.299	100.7	0.860	5430	938	1.16
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.543	20014.965	216326.672	1264.636	101.2	0.865	19590	6280	1.24

Compound name: NMeFOSA
Coefficient of Determination: R^2 = 0.999248
Calibration curve: 0.854653 * x
Response type: Internal Std (Ref 70), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

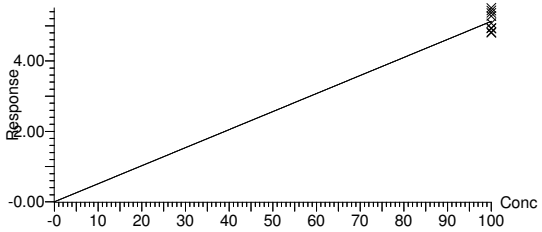
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.535	57785.605	31389.230	105.968	106.0	0.054	1233		1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.530	58758.914	29021.764	96.353	96.4	0.049	5601		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.535	60979.289	29263.359	93.618	93.6	0.048	2983		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.539	60816.547	29323.215	94.060	94.1	0.048	864		1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.540	58616.219	28852.328	96.024	96.0	0.049	5700		1.17
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.539	54497.184	27634.563	98.922	98.9	0.051	1383		1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.539	49896.270	26327.721	102.934	102.9	0.053	1824		1.18
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.539	45432.625	24372.738	104.653	104.7	0.054	1315		1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.535	36332.258	20014.965	107.468	107.5	0.055	892		1.29

Compound name: d3-NMeFOSA
Response Factor: 0.0512607
RRF SD: 0.00273622, % Relative SD: 5.33785
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

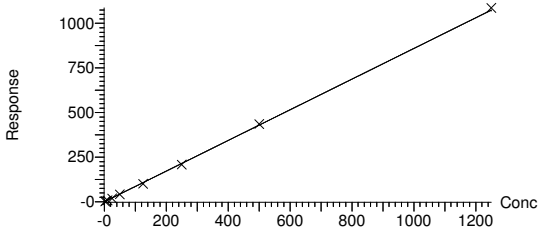
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.845	35612.000	658.541	2.152	86.1	0.740	45	2072	1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.840	34636.363	1437.943	4.832	96.6	0.830	428	82	1.04
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.845	34189.848	2753.768	9.375	93.8	0.805	357	74	1.03
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.845	35409.523	6724.052	22.104	88.4	0.760	579	370	1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.846	34221.336	14036.606	47.744	95.5	0.820	1236	615	1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.850	32510.094	32824.012	117.524	94.0	0.808	3045	748	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.845	33286.711	69302.977	242.344	96.9	0.833	6576	2316	1.07
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.850	29754.701	129537.008	506.745	101.3	0.871	6523	1503	1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.844	24741.008	268810.625	1264.680	101.2	0.869	8198	3007	1.08

Compound name: NEtFOSA
Coefficient of Determination: R^2 = 0.999306
Calibration curve: 0.85911 * x
Response type: Internal Std (Ref 72), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

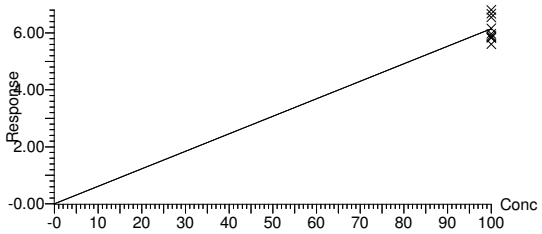
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.835	57785.605	35612.000	100.262	100.3	0.062	4806		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.830	58758.914	34636.363	95.900	95.9	0.059	2829		1.00
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.835	60979.289	34189.848	91.216	91.2	0.056	5135		0.99
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.835	60816.547	35409.523	94.723	94.7	0.058	852		1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.836	58616.219	34221.336	94.981	95.0	0.058	549		1.04
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.835	54497.184	32510.094	97.052	97.1	0.060	2756		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.835	49896.270	33286.711	108.533	108.5	0.067	3116		1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.835	45432.625	29754.701	106.548	106.5	0.065	2819		1.09
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.830	36332.258	24741.008	110.786	110.8	0.068	2213		1.10

Compound name: d5-NEtFOSA
Response Factor: 0.061467
RRF SD: 0.00427944, % Relative SD: 6.96218
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

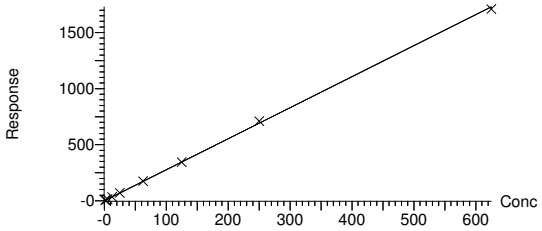
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.546	37014.313	1316.934	1.286	102.9	2.846	623		1.11
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.541	36798.629	2397.979	2.355	94.2	2.607	1018		1.14
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.546	36322.672	5123.110	5.098	102.0	2.821	1025		1.13
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.546	36430.789	12485.126	12.387	99.1	2.742	783		1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.551	35065.293	24519.498	25.273	101.1	2.797	2425		1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.550	32989.434	57638.480	63.149	101.0	2.795	4404		1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.550	31765.906	109701.367	124.818	99.9	2.763	5558		1.12
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.550	27782.416	197166.750	256.503	102.6	2.839	8396		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.550	21012.480	359214.656	617.881	98.9	2.735	8190		1.20

Compound name: NMeFOSE
Coefficient of Determination: R^2 = 0.999742
Calibration curve: 2.76676 * x
Response type: Internal Std (Ref 74), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

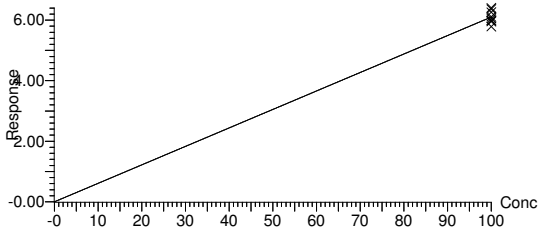
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.532	57785.605	37014.313	104.978	105.0	0.064	1611		1.20
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.523	58758.914	36798.629	102.637	102.6	0.063	4649		1.30
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.528	60979.289	36322.672	97.621	97.6	0.060	4427		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.532	60816.547	36430.789	98.174	98.2	0.060	3655		1.18
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.533	58616.219	35065.293	98.041	98.0	0.060	1273		1.22
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.532	54497.184	32989.434	99.209	99.2	0.061	2440		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.528	49896.270	31765.906	104.338	104.3	0.064	1923		1.34
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.532	45432.625	27782.416	100.219	100.2	0.061	3776		1.29
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.523	36332.258	21012.480	94.784	94.8	0.058	1377		1.53

Compound name: d7-NMeFOSE
Response Factor: 0.0610171
RRF SD: 0.00206097, % Relative SD: 3.37769
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

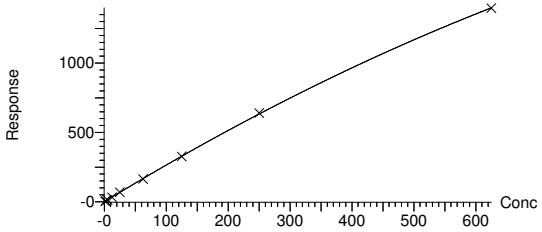
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.836	41346.719	1459.962	1.294	103.5	2.825	270		1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.831	42302.352	2713.405	2.351	94.0	2.566	220		0.94
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.831	42702.418	5786.299	4.971	99.4	2.710	1466		1.02
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.836	42710.055	14263.228	12.277	98.2	2.672	1566		1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.837	42186.559	28903.201	25.281	101.1	2.741	2417		1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.836	40936.207	67627.195	61.609	98.6	2.643	3450		1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.831	39928.820	130434.422	124.102	99.3	2.613	29610		1.09
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.836	36538.477	233931.563	252.971	101.2	2.561	15117		1.09
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.831	31169.055	435347.188	623.798	99.8	2.235	10454		1.14

Compound name: NEtFOSE
Coefficient of Determination: R^2 = 0.999924
Calibration curve: -0.000786849 * x^2 + 2.72991 * x
Response type: Internal Std (Ref 76), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

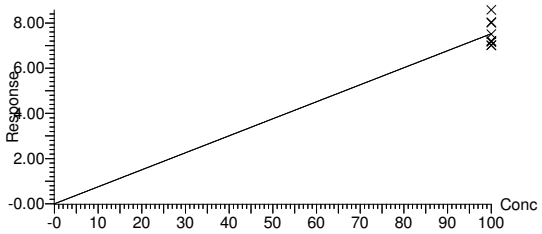
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.817	57785.605	41346.719	95.103	95.1	0.072	1304		0.99
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.811	58758.914	42302.352	95.690	95.7	0.072	3188		0.99
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.811	60979.289	42702.418	93.078	93.1	0.070	700		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.817	60816.547	42710.055	93.343	93.3	0.070	4575		0.99
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.817	58616.219	42186.559	95.660	95.7	0.072	3519		1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.816	54497.184	40936.207	99.841	99.8	0.075	2742		1.00
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.811	49896.270	39928.820	106.364	106.4	0.080	1310		1.05
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.817	45432.625	36538.477	106.895	106.9	0.080	2251		1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.811	36332.258	31169.055	114.027	114.0	0.086	3081		0.99

Compound name: d9-NEtFOSE
Response Factor: 0.0752359
RRF SD: 0.00556967, % Relative SD: 7.40293
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

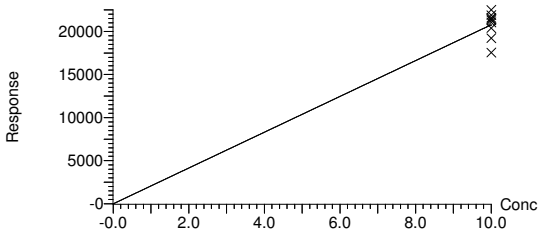
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.974		21900.961	10.544	105.4	2190.096	7274		1.83
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.959		21306.186	10.257	102.6	2130.619	4778		2.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.964		22500.625	10.832	108.3	2250.063	1198		2.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.964		21571.217	10.385	103.8	2157.122	5153		2.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.969		21445.234	10.324	103.2	2144.523	3135		2.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.964		21055.080	10.136	101.4	2105.508	5650		2.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.969		20390.674	9.817	98.2	2039.067	6296		1.85
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.969		19222.734	9.254	92.5	1922.273	6668		2.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.969		17551.648	8.450	84.5	1755.165	3246		1.98

Compound name: M3PFPeA
Response Factor: 2077.16
RRF SD: 152.629, % Relative SD: 7.34796
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

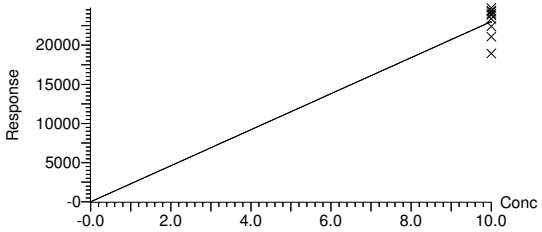
Client	:	Phoenix Environmental Labs	Lab Number	:	L2218526
Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884		24427.055	10.616	106.2	2442.706	1145		2.54
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875		23846.379	10.364	103.6	2384.638	2395		2.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875		24760.082	10.761	107.6	2476.008	2626		2.42
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.879		23990.156	10.426	104.3	2399.016	5239		2.09
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.879		24264.137	10.546	105.5	2426.414	3761		2.77
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.875		23384.197	10.163	101.6	2338.420	1975		3.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.879		22388.154	9.730	97.3	2238.815	1611		2.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.880		21095.330	9.168	91.7	2109.533	3006		2.70
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.880		18924.203	8.225	82.2	1892.420	668		2.36

Compound name: M2PFHxA
Response Factor: 2300.89
RRF SD: 191.018, % Relative SD: 8.30194
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

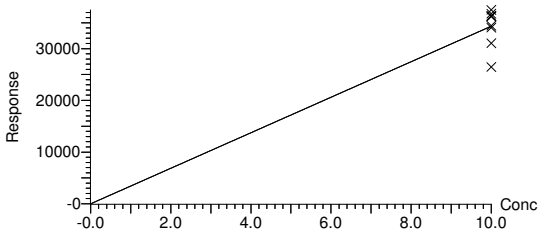
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M4PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.120		36747.348	10.701	107.0	3674.735	20108		3.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.111		36357.844	10.588	105.9	3635.784	3391		3.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115		37497.055	10.920	109.2	3749.706	8137		4.15
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.111		36282.598	10.566	105.7	3628.260	2684		2.80
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.120		36202.684	10.543	105.4	3620.268	11101		2.46
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115		34431.602	10.027	100.3	3443.160	4602		3.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.120		34050.441	9.916	99.2	3405.044	5258		3.84
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115		31030.295	9.036	90.4	3103.029	4467		2.84
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.111		26449.969	7.703	77.0	2644.997	3833		3.60

Compound name: M4PFOA
Response Factor: 3433.89
RRF SD: 354.218, % Relative SD: 10.3154
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

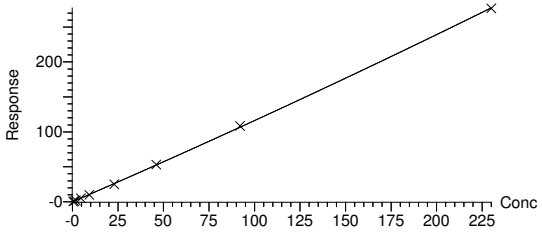
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPrS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	3.438	6676.506	321.214	0.397	86.4	0.975	109	52	0.76
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	3.430	6886.081	728.234	0.874	94.9	1.071	45	52	1.00
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	3.435	6837.730	1403.034	1.694	92.1	1.039	361	1499	1.01
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	3.433	6697.879	3683.251	4.537	98.6	1.114	292	478	1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	3.435	6620.420	7157.659	8.909	96.8	1.095	7996	927	1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	3.430	6442.362	17321.467	22.067	95.9	1.090	23573	6135	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	3.435	6099.604	34918.773	46.644	101.4	1.160	106090	4543	1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	3.433	5727.812	66605.398	93.449	101.6	1.178	202387	47599	1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	3.422	5173.313	153572.641	229.442	99.8	1.203	29896	742	0.93

Compound name: PFPrS
Coefficient of Determination: R^2 = 0.999748
Calibration curve: 0.000338947 * x^2 + 1.12807 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

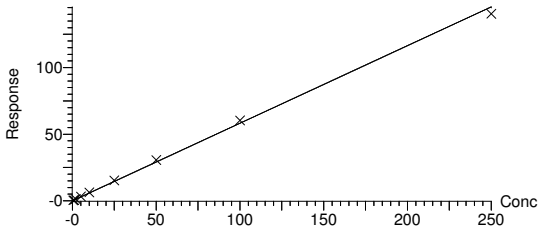
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFMPA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	3.434	29081.551	906.691	0.535	107.1	0.624	1322		0.71
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	3.431	29173.766	1816.224	1.069	106.9	0.623	402		1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	3.434	29200.439	3634.269	2.137	106.8	0.622	603		1.04
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	3.431	29397.014	9279.970	5.420	108.4	0.631	8464		1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	3.434	28949.648	18161.090	10.770	107.7	0.627	2782		1.08
6	I58713	IA537STD-25	13-Apr-22	17:39:29	3.428	28147.549	43199.957	26.349	105.4	0.614	60534		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	3.431	27959.693	85486.078	52.491	105.0	0.611	73554		1.07
8	I58715	IA537STD-100	13-Apr-22	18:12:37	3.431	27019.998	163185.734	103.686	103.7	0.604	38560		1.07
9	I58716	IA537STD-250	13-Apr-22	18:29:11	3.420	26712.086	375040.188	241.043	96.4	0.562	475145		1.00

Compound name: PFMPA
Coefficient of Determination: R^2 = 0.998184
Calibration curve: 0.582473 * 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

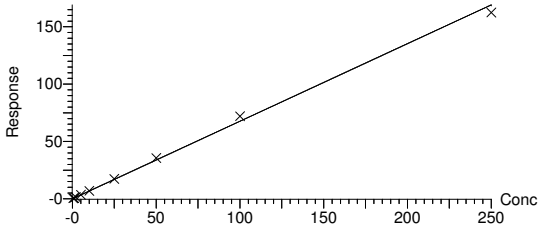
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFMBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.702	36432.656	1223.911	0.497	99.3	0.672	75		1.59
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.690	36594.313	2502.205	1.011	101.1	0.684	210		1.47
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.692	36357.691	5043.889	2.050	102.5	0.694	250		1.55
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.695	36846.906	13096.475	5.253	105.1	0.711	745		1.52
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.697	35742.441	24844.135	10.274	102.7	0.695	5463		1.53
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.692	34963.078	60474.957	25.565	102.3	0.692	14733		1.88
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.697	34067.641	121093.992	52.537	105.1	0.711	98728		1.85
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.697	31925.439	229694.625	106.341	106.3	0.719	164255		2.04
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.695	31375.270	509404.344	239.972	96.0	0.649	124406		1.46

Compound name: PFMBA
Coefficient of Determination: R^2 = 0.997711
Calibration curve: 0.676573 * 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

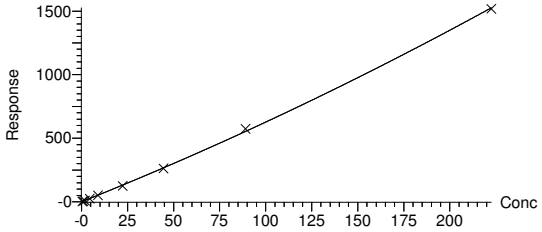
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFEESA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.388	6214.279	1579.920	0.416	93.5	5.416	302	4	1.46
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.380	6728.953	3442.216	0.837	94.0	5.449	320	43	1.94
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.380	6608.481	6806.211	1.684	94.6	5.485	326	124	2.34
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.384	6577.253	17188.371	4.263	95.8	5.567	3374	188	2.47
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.384	6325.771	33959.609	8.725	98.0	5.718	19772	623	3.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.380	6218.706	82144.984	21.249	95.5	5.628	2099	447	3.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.384	6012.042	166176.297	43.669	98.1	5.888	7476	339	3.74
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.384	5353.659	324382.406	92.161	103.6	6.454	15923	914	3.95
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.388	4631.073	741969.938	221.652	99.6	6.826	86919	5504	3.55

Compound name: PFEESA
Coefficient of Determination: R^2 = 0.999498
Calibration curve: 0.00478643 * x^2 + 5.79147 * 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

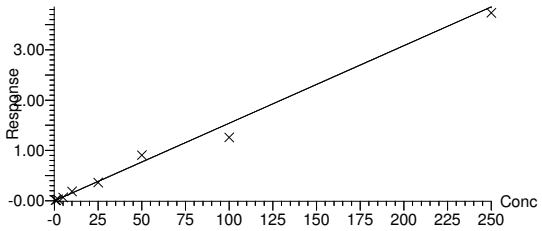
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Project Name	:	GCL03162	Project Number	:	GCL03162
Instrument ID	:	LCMS02	Ical Ref	:	ICAL18931
Calibration dates	:	04/13/22 16:33 04/13/22 19:32			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NFDHA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.664	46120.508	40.109	0.564	112.9	0.017	9		1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.646	46036.281	72.457	1.021	102.1	0.016	20	60	1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.651	45914.848	121.729	1.720	86.0	0.013	41	3	1.60
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.660	46080.836	311.880	4.392	87.8	0.014	3058	3	1.35
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.655	45811.238	854.737	12.107	121.1	0.019	52	34	1.82
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.646	43914.027	1587.045	23.451	93.8	0.014	204	660	1.74
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.655	41824.129	3789.536	58.793	117.6	0.018	348	75	1.65
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.651	39653.320	4994.700	81.733	81.7	0.013	333	1897	2.82
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.655	37191.844	13894.280	242.414	97.0	0.015	1343	160	1.89

Compound name: NFDHA
Response Factor: 0.015411
RRF SD: 0.00221186, % Relative SD: 14.3525
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: RF



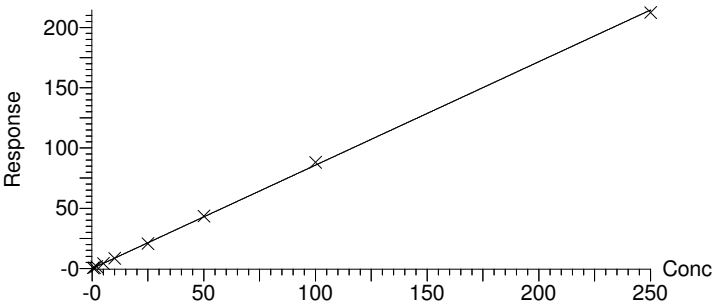
Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.112	29081.551	1211.176	0.485	97.1	0.833	1020		1.19
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.106	29173.766	2344.804	0.937	93.7	0.804	1052		1.22
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.109	29200.439	4754.194	1.898	94.9	0.814	6130		1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.109	29397.014	12234.997	4.851	97.0	0.832	6415		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.112	28949.648	24392.844	9.822	98.2	0.843	11687		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.109	28147.549	58460.695	24.210	96.8	0.831	25279		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.112	27959.693	121962.430	50.846	101.7	0.872	21115		1.16
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.109	27019.998	238354.547	102.827	102.8	0.882	97047		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.117	26712.086	567457.125	247.624	99.0	0.850	117675		0.93

Compound name: PFBA
Coefficient of Determination: R^2 = 0.999625
Calibration curve: 0.857892 * x
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



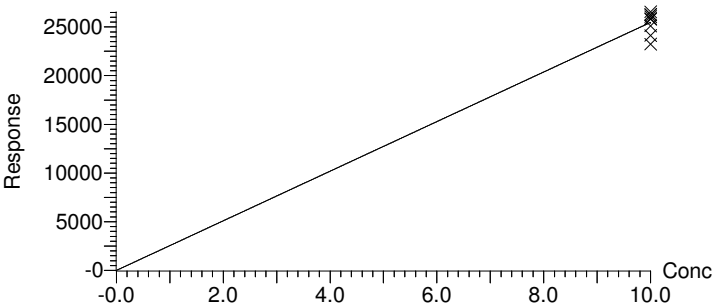
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.113		26063.023	10.232	102.3	2606.302	3549		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.107		25848.273	10.148	101.5	2584.827	21576		1.19
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.107		26554.086	10.425	104.2	2655.409	37807		1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.107		26275.746	10.316	103.2	2627.575	41445		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.110		26242.441	10.302	103.0	2624.244	21632		1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.107		25795.486	10.127	101.3	2579.549	25231		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.110		25107.207	9.857	98.6	2510.721	6623		1.16
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.107		24126.066	9.472	94.7	2412.607	7059		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.118		23236.510	9.122	91.2	2323.651	10511		0.92

Compound name: M3PFBA
Response Factor: 2547.21
RRF SD: 111.513, % Relative SD: 4.37784
Response type: External Std, Area
Curve type: RF



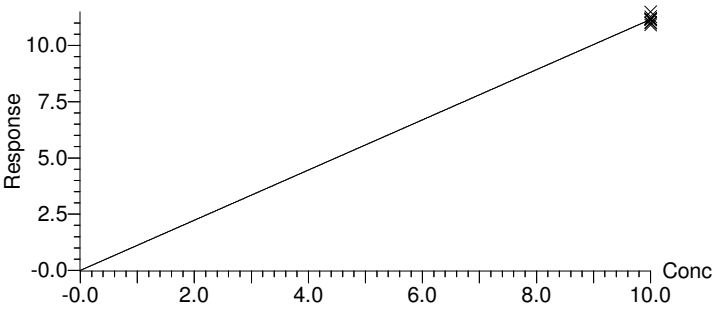
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	2.111	26063.023	29081.551	10.002	100.0	1.116	4251		1.17
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	2.105	25848.273	29173.766	10.117	101.2	1.129	3721		1.20
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	2.108	26554.086	29200.439	9.857	98.6	1.100	7496		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	2.108	26275.746	29397.014	10.029	100.3	1.119	6894		1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	2.111	26242.441	28949.648	9.889	98.9	1.103	3000		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	2.105	25795.486	28147.549	9.781	97.8	1.091	7162		1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	2.111	25107.207	27959.693	9.982	99.8	1.114	15233		1.15
8	I58715	IA537STD-100	13-Apr-22	18:12:37	2.105	24126.066	27019.998	10.039	100.4	1.120	15007		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	2.116	23236.510	26712.086	10.305	103.0	1.150	9782		0.92

Compound name: MPFBA
Response Factor: 1.1156
RRF SD: 0.0171859, % Relative SD: 1.54051
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



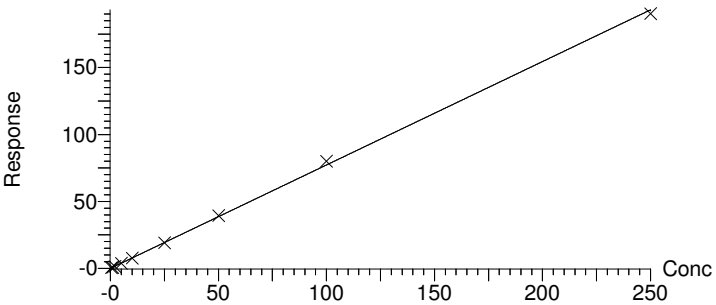
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.973	36432.656	1344.960	0.478	95.6	0.738	726		1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.963	36594.313	2785.945	0.986	98.6	0.761	657		1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.963	36357.691	5380.977	1.916	95.8	0.740	1034		1.10
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.968	36846.906	13883.654	4.878	97.6	0.754	7411		1.04
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.968	35742.441	27527.139	9.970	99.7	0.770	4192		1.06
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.963	34963.078	66440.703	24.601	98.4	0.760	21393		1.07
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.968	34067.641	134001.563	50.921	101.8	0.787	48033		1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.968	31925.439	255473.047	103.595	103.6	0.800	43284		1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.968	31375.270	596576.063	246.155	98.5	0.761	134293		1.00

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999481
Calibration curve: 0.772449 * x
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



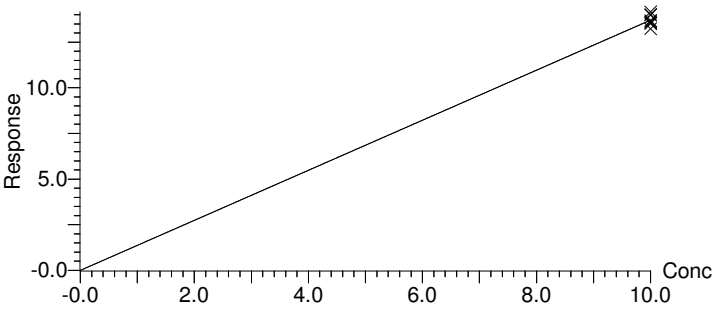
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.970	26063.023	36432.656	10.201	102.0	1.398	9799		1.06
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.959	25848.273	36594.313	10.331	103.3	1.416	11104		1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.964	26554.086	36357.691	9.992	99.9	1.369	6847		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.964	26275.746	36846.906	10.233	102.3	1.402	183384		1.07
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.964	26242.441	35742.441	9.939	99.4	1.362	10980		1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.964	25795.486	34963.078	9.891	98.9	1.355	5079		1.04
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.964	25107.207	34067.641	9.902	99.0	1.357	3342		1.08
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.970	24126.066	31925.439	9.657	96.6	1.323	32922		1.05
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.964	23236.510	31375.270	9.854	98.5	1.350	13722		1.02

Compound name: M5PFPEA
Response Factor: 1.37033
RRF SD: 0.0294414, % Relative SD: 2.1485
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



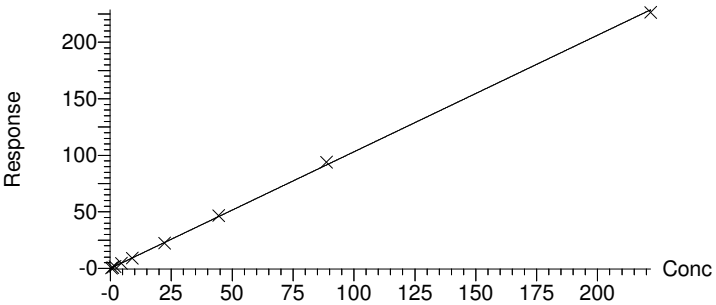
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.633	6676.506	285.111	0.386	87.0	0.897	56	52	1.12
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.626	6886.081	649.607	0.853	96.1	0.991	107	154	0.98
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.628	6837.730	1244.414	1.645	92.7	0.956	273	354	1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.628	6697.879	3236.334	4.367	98.5	1.015	2070	507	1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.630	6620.420	6407.523	8.747	98.6	1.017	1015	2430	1.04
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.626	6442.362	15371.683	21.563	97.2	1.003	9266	2516	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.630	6099.604	30541.447	45.250	102.0	1.052	9659	6321	1.00
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.630	5727.812	57745.961	91.110	102.7	1.059	3738	11115	1.03
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.630	5173.313	125630.930	219.464	99.0	1.021	16142	15770	0.88

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999614
Calibration curve: 1.03129 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



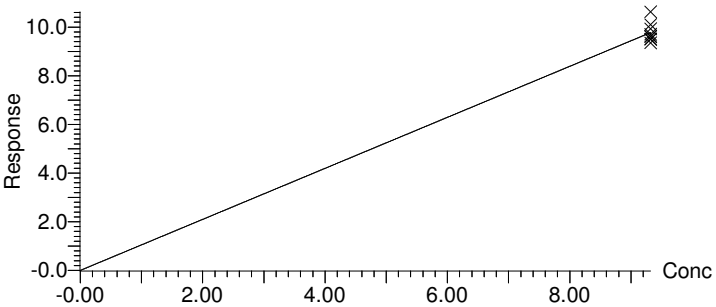
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.633	6882.845	6676.506	9.252	99.3	1.041	2261		1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.621	6933.049	6886.081	9.473	101.6	1.066	1614		1.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.626	7100.415	6837.730	9.185	98.5	1.033	2383		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.626	7165.459	6697.879	8.915	95.7	1.003	3122		1.05
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.628	6900.413	6620.420	9.150	98.2	1.029	6621		1.05
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.626	6784.145	6442.362	9.057	97.2	1.019	697		0.99
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.628	6411.173	6099.604	9.074	97.4	1.021	4434		1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.628	5667.216	5727.812	9.639	103.4	1.084	4292		1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.628	4868.267	5173.313	10.135	108.7	1.140	2153		0.90

Compound name: M3PFBS
Response Factor: 1.0485
RRF SD: 0.0423779, % Relative SD: 4.04177
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



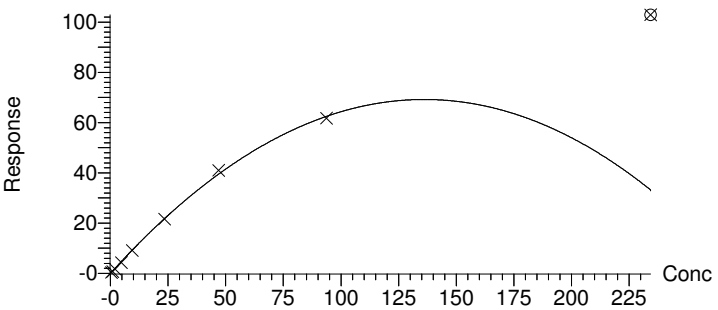
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.803	2606.791	92.648	0.328	70.0	0.712	77	7	1.29
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.798	2651.792	232.284	0.810	86.5	0.877	89	24	0.95
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.803	2698.601	527.048	1.813	96.8	0.978	68	116	0.89
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.803	2819.611	1316.832	4.378	93.4	0.935	262	33	1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.803	2756.275	2686.411	9.307	99.3	0.976	326	83	0.96
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.798	2817.917	6501.085	23.265	99.3	0.924	1209	235	1.05
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.803	3048.690	13322.576	49.190	105.0	0.875	1001	348	1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.803	3891.946	25635.746	91.509	97.7	0.659	9691	1031	1.00
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.803	5710.455	62648.262			0.439	2473	3385	0.95

Compound name: 4:2FTS
Coefficient of Determination: R^2 = 0.998615
Calibration curve: -0.00373632 * x^2 + 1.01708 * x
Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



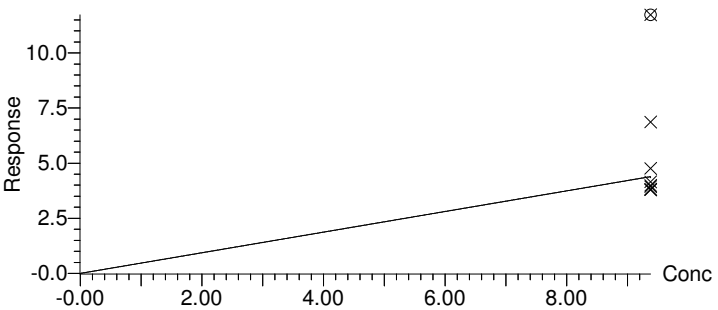
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.808	6882.845	2606.791	8.093	86.3	0.404	120		1.03
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.798	6933.049	2651.792	8.173	87.1	0.408	289		1.03
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.798	7100.415	2698.601	8.121	86.6	0.405	171		1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.803	7165.459	2819.611	8.408	89.6	0.420	169		1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.803	6900.413	2756.275	8.535	91.0	0.426	158		0.99
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.798	6784.145	2817.917	8.875	94.6	0.443	251		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.803	6411.173	3048.690	10.161	108.3	0.507	196		1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.803	5667.216	3891.946	14.674	156.4	0.732	695		0.95
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.803	4868.267	5710.455	25.064	267.2	1.251	524		0.94

Compound name: M2-4:2FTS
Response Factor: 0.467999
RRF SD: 0.111963, % Relative SD: 23.9237
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



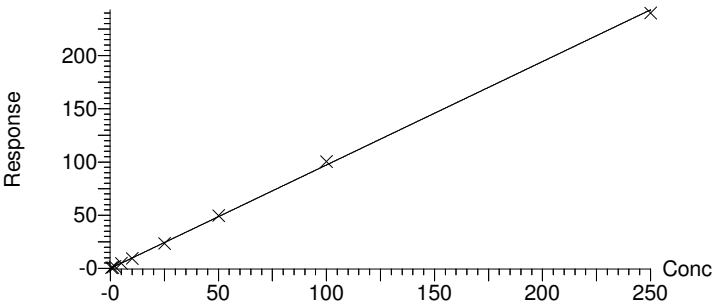
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884	46120.508	2120.982	0.473	94.6	0.920	332	19	1.24
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875	46036.281	4342.387	0.970	97.0	0.943	773	83	1.20
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875	45914.848	8675.320	1.943	97.2	0.945	1386	33	1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.879	46080.836	21636.641	4.829	96.6	0.939	4875	73	1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.879	45811.238	43099.219	9.676	96.8	0.941	3411	496	1.15
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.879	43914.027	102924.734	24.106	96.4	0.938	5604	831	1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.879	41824.129	207589.531	51.049	102.1	0.993	8934	3041	1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.879	39653.320	398758.750	103.429	103.4	1.006	8250	11616	1.20
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.879	37191.844	893253.063	247.024	98.8	0.961	147959	9021	1.22

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999464
Calibration curve: 0.972274 * x
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



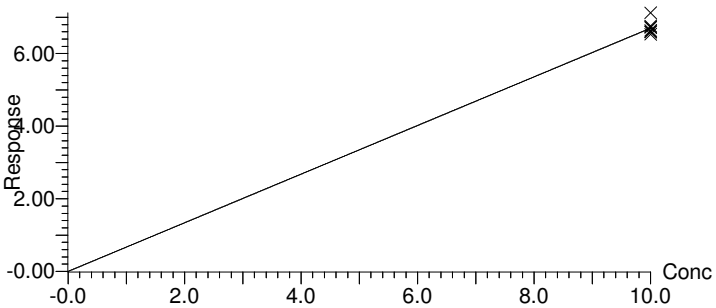
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884	68676.219	46120.508	10.023	100.2	0.672	4648		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875	68052.391	46036.281	10.097	101.0	0.676	43430		1.13
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875	70318.352	45914.848	9.745	97.5	0.653	22382		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.875	69762.328	46080.836	9.859	98.6	0.661	25898		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.880	69006.398	45811.238	9.908	99.1	0.664	1006		1.14
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.875	66586.563	43914.027	9.843	98.4	0.660	8275		1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.880	63419.371	41824.129	9.843	98.4	0.659	1529		1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.880	58890.566	39653.320	10.050	100.5	0.673	2685		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.880	52207.934	37191.844	10.632	106.3	0.712	1156		1.22

Compound name: M5PFHxA
Response Factor: 0.670013
RRF SD: 0.017642, % Relative SD: 2.63308
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



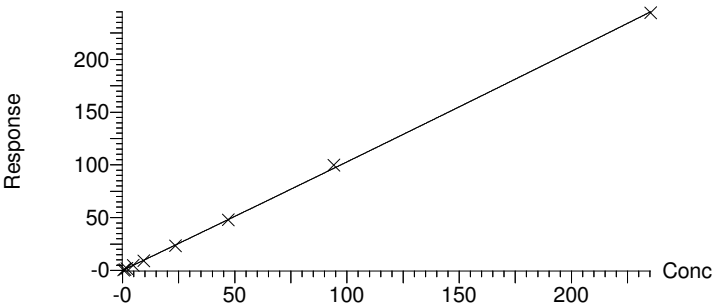
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.206	6214.279	272.224	0.407	86.6	0.883	65	30	1.09
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.202	6728.953	587.788	0.812	86.3	0.880	110	54	0.97
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.202	6608.481	1217.837	1.714	91.1	0.928	296	1012	1.01
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.202	6577.253	3339.119	4.720	100.3	1.023	322	190	1.09
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.206	6325.771	6092.128	8.950	95.1	0.970	742	61	0.97
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.202	6218.706	15249.606	22.760	96.7	0.988	1008	1855	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.206	6012.042	30315.660	46.696	99.2	1.016	2138	2721	1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.202	5353.659	56335.395	96.985	103.1	1.060	4153	2058	1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.202	4631.073	119242.820	234.287	99.6	1.038	8481	7632	1.03

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.999546
Calibration curve: 9.68063e-005 * x^2 + 1.01919 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



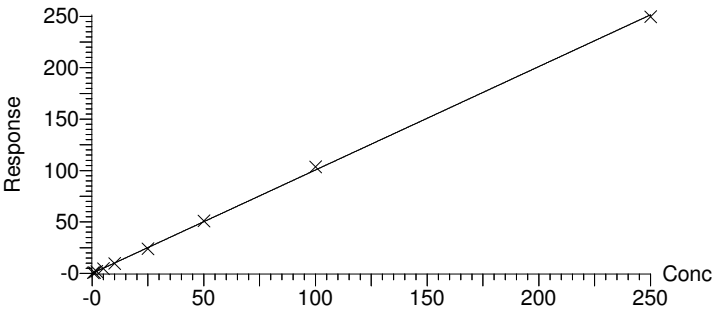
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.165	55412.047	2668.860	0.479	95.8	0.963	413	78	1.45
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.158	55977.523	5335.284	0.948	94.8	0.953	599	93	1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.160	55687.867	10070.192	1.798	89.9	0.904	1285	205	1.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.160	56812.477	27266.068	4.771	95.4	0.960	2517	566	1.27
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.163	54140.742	52991.914	9.731	97.3	0.979	3659	2082	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.160	53130.715	127175.078	23.797	95.2	0.957	15927	2811	1.26
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.165	50466.965	257961.219	50.818	101.6	1.022	20139	6039	1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.163	45900.043	475689.656	103.035	103.0	1.036	31691	10489	1.32
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.163	42959.324	1072137.375	248.123	99.2	0.998	101687	8499	1.32

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.999483
Calibration curve: 1.00583 * x
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



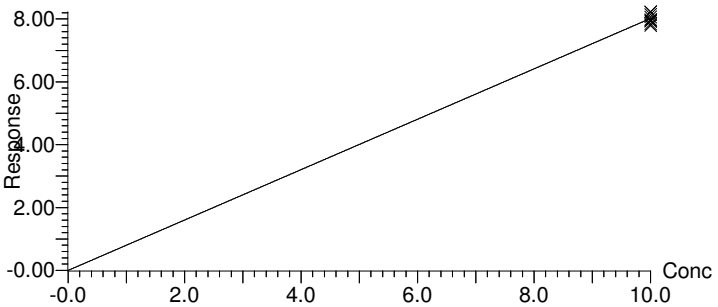
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.166	68676.219	55412.047	10.063	100.6	0.807	9861		1.28
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.155	68052.391	55977.523	10.259	102.6	0.823	3612		1.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.160	70318.352	55687.867	9.877	98.8	0.792	5047		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.160	69762.328	56812.477	10.157	101.6	0.814	15759		1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.160	69006.398	54140.742	9.785	97.9	0.785	7662		1.33
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.158	66586.563	53130.715	9.952	99.5	0.798	9125		1.32
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.163	63419.371	50466.965	9.925	99.2	0.796	2047		1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.160	58890.566	45900.043	9.721	97.2	0.779	6259		1.38
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.160	52207.934	42959.324	10.262	102.6	0.823	3873		1.41

Compound name: M4PFHpA
Response Factor: 0.801807
RRF SD: 0.0158293, % Relative SD: 1.97421
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



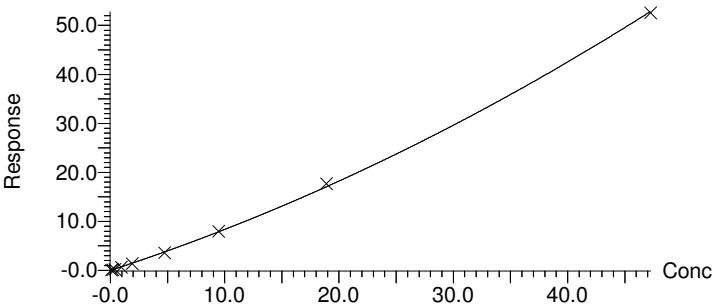
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.087	6214.279	27.985	0.056	59.4	0.452	2	1	0.65
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.089	6728.953	81.345	0.150	79.6	0.606	16	5	0.39
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.082	6608.481	155.231	0.292	77.3	0.589	18	4	0.58
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.089	6577.253	436.633	0.821	86.9	0.666	47	14	0.52
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.094	6325.771	918.745	1.779	94.1	0.728	118	14	0.43
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.087	6218.706	2348.861	4.507	95.4	0.758	148	65	0.58
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.092	6012.042	5051.772	9.565	101.2	0.843	107	187	0.54
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.089	5353.659	10003.067	19.505	103.2	0.937	735	316	0.54
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.089	4631.073	25689.414	47.080	99.6	1.113	1291	749	0.51

Compound name: br-PFHxS
Coefficient of Determination: R^2 = 0.999170
Calibration curve: 0.00757441 * x^2 + 0.76038 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



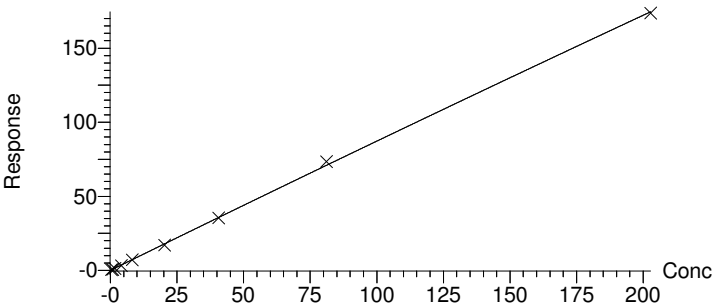
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.332	6214.279	226.907	0.392	96.6	0.854	26	31	1.06
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.322	6728.953	443.934	0.707	87.2	0.771	102	54	1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.327	6608.481	944.050	1.532	94.5	0.835	180	33	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.324	6577.253	2312.851	3.772	93.0	0.822	405	169	1.36
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.327	6325.771	4686.987	7.953	98.1	0.866	928	172	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.322	6218.706	11145.805	19.267	95.0	0.838	1192	657	1.33
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.330	6012.042	22476.354	40.299	99.4	0.874	735	1730	1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.324	5353.659	41509.258	84.054	103.6	0.906	4515	2693	1.43
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.324	4631.073	84837.148	201.702	99.5	0.857	5982	4606	1.48

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999396
Calibration curve: -0.000114458 * x^2 + 0.884086 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



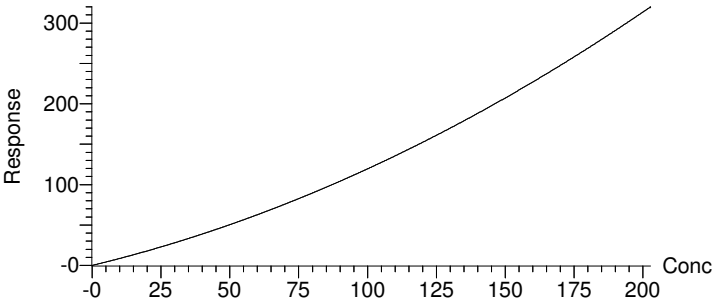
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		6214.279	254.892	0.448					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		6728.953	525.279	0.858					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		6608.481	1099.281	1.824					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		6577.253	2749.484	4.593					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		6325.771	5605.732	9.732					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		6218.706	13494.666	23.774					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		6012.042	27528.126	49.863					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		5353.659	51512.325	103.559					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		4631.073	110526.562	248.782					

Compound name: PFHxS
Coefficient of Determination: 0.000000
Calibration curve: 0.822233 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



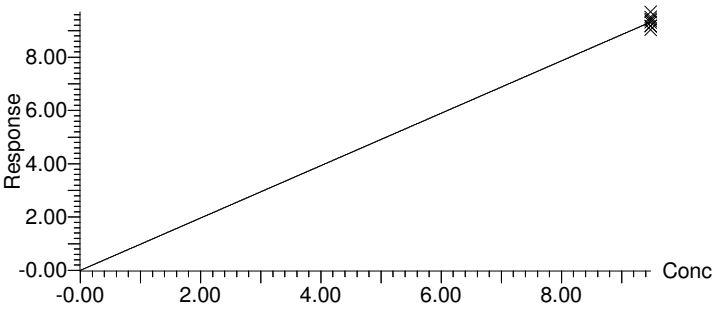
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.330	6882.845	6214.279	9.182	96.9	0.952	170		1.27
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.322	6933.049	6728.953	9.871	104.1	1.024	1285		1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.322	7100.415	6608.481	9.466	99.8	0.982	5839		1.38
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.322	7165.459	6577.253	9.335	98.5	0.968	1884		1.29
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.325	6900.413	6325.771	9.323	98.3	0.967	1230		1.30
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.322	6784.145	6218.706	9.323	98.3	0.967	1438		1.38
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.327	6411.173	6012.042	9.537	100.6	0.989	3145		1.38
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.325	5667.216	5353.659	9.608	101.3	0.996	1172		1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.322	4868.267	4631.073	9.675	102.1	1.003	1197		1.66

Compound name: M3PFHxS
Response Factor: 0.983254
RRF SD: 0.0222833, % Relative SD: 2.26628
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



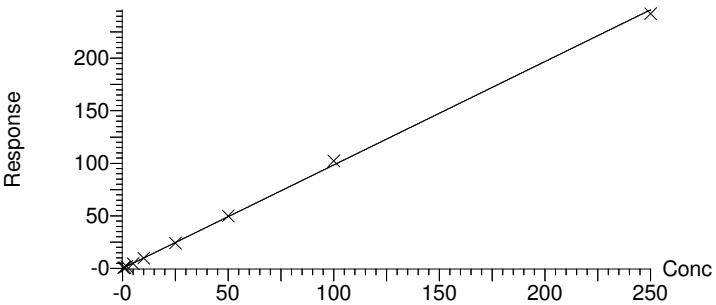
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		73916.414							
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		76590.016							
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		76036.281							
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		76293.773							
5	I58712	IA537STD-10	13-Apr-22	17:22:56		73475.039							
6	I58713	IA537STD-25	13-Apr-22	17:39:29		71064.500							
7	I58714	IA537STD-50	13-Apr-22	17:56:03		68165.789							
8	I58715	IA537STD-100	13-Apr-22	18:12:37		62418.520							
9	I58716	IA537STD-250	13-Apr-22	18:29:11		57007.391							

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999372
Calibration curve: 0.984342 * x
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



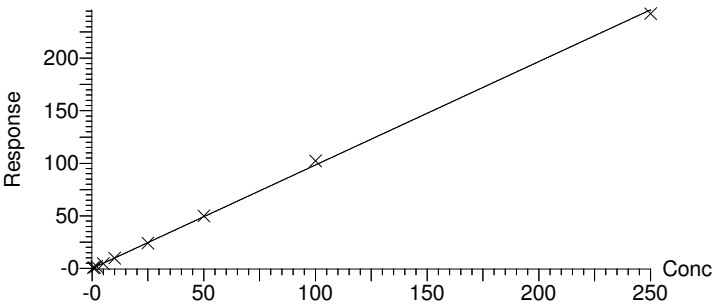
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.119	73916.414	3435.325	0.472	94.4	0.930	781	45	1.24
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.110	76590.016	7130.383	0.946	94.6	0.931	1097	191	1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.114	76036.281	14445.574	1.930	96.5	0.950	1511	117	1.24
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.115	76293.773	35899.504	4.780	95.6	0.941	2938	854	1.20
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.119	73475.039	70770.633	9.785	97.9	0.963	4888	1627	1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.114	71064.500	170173.172	24.327	97.3	0.958	13494	1922	1.26
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.119	68165.789	341294.719	50.865	101.7	1.001	22130	3738	1.28
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115	62418.520	638982.000	103.999	104.0	1.024	36417	4080	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.115	57007.391	1382643.875	246.396	98.6	0.970	82772	9627	1.33

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999372
Calibration curve: 0.984342 * x
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



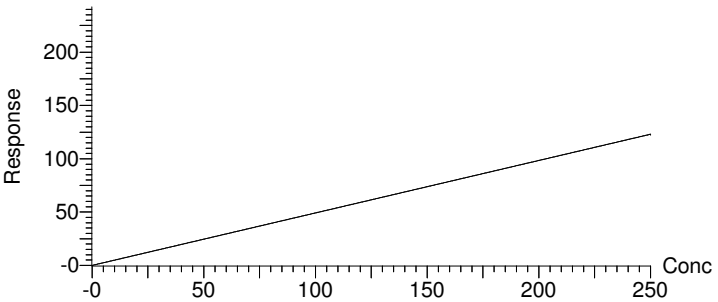
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		73916.414	3435.325	0.472					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		76590.016	7130.383	0.946					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		76036.281	14445.574	1.930					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		76293.773	35899.504	4.780					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		73475.039	70770.633	9.785					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		71064.500	170173.172	24.327					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		68165.789	341294.719	50.865					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		62418.520	638982.000	103.999					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		57007.391	1382643.875	246.396					

Compound name: PFOA
Coefficient of Determination: 0.000000
Calibration curve: 0.492171 * x
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



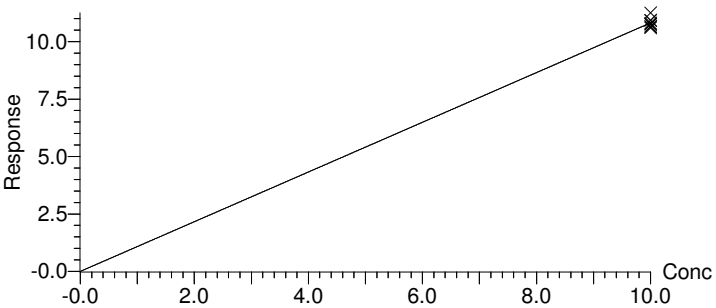
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Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.120	68676.219	73916.414	9.950	99.5	1.076	13072		1.17
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.111	68052.391	76590.016	10.404	104.0	1.125	6407		1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115	70318.352	76036.281	9.996	100.0	1.081	12863		1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.111	69762.328	76293.773	10.110	101.1	1.094	8758		1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.115	69006.398	73475.039	9.843	98.4	1.065	16303		1.24
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115	66586.563	71064.500	9.866	98.7	1.067	7541		1.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.120	63419.371	68165.789	9.937	99.4	1.075	6979		1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115	58890.566	62418.520	9.798	98.0	1.060	4501		1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.111	52207.934	57007.391	10.094	100.9	1.092	5793		1.30

Compound name: M8PFOA
Response Factor: 1.08171
RRF SD: 0.0200269, % Relative SD: 1.85141
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



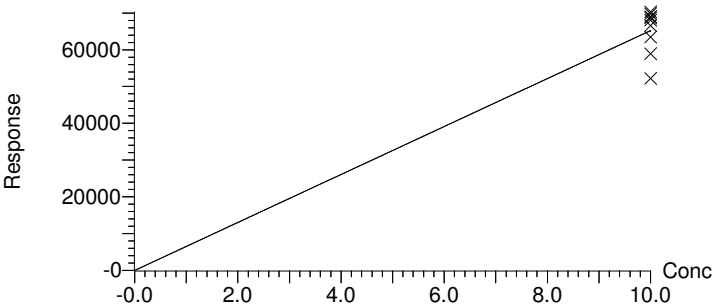
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.119		68676.219	10.531	105.3	6867.622	4858		1.23
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.110		68052.391	10.435	104.4	6805.239	2641		1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115		70318.352	10.783	107.8	7031.835	12700		1.25
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.115		69762.328	10.698	107.0	6976.233	7813		1.17
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.115		69006.398	10.582	105.8	6900.640	8591		1.29
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115		66586.563	10.211	102.1	6658.656	7991		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.119		63419.371	9.725	97.2	6341.937	6379		1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115		58890.566	9.030	90.3	5889.057	4108		1.32
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.110		52207.934	8.006	80.1	5220.793	2462		1.42

Compound name: M2PFOA
Response Factor: 6521.33
RRF SD: 607.675, % Relative SD: 9.31827
Response type: External Std, Area
Curve type: RF



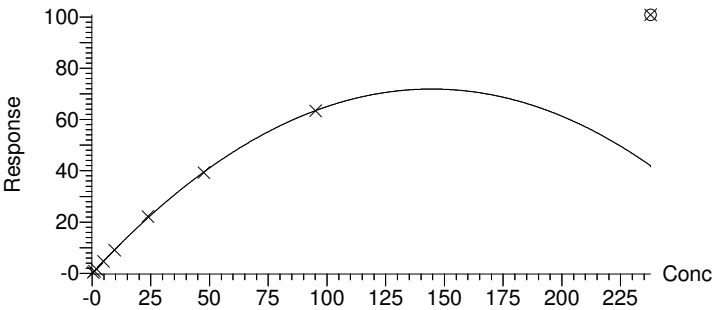
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.080	2553.341	104.433	0.392	82.3	0.818	15	4	1.38
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.067	2409.051	210.870	0.839	88.3	0.875	13	54	1.37
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.071	2445.797	428.435	1.685	88.6	0.876	94	2562	1.19
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.071	2481.422	1252.252	4.908	103.2	1.009	363	134	1.14
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.076	2435.177	2337.488	9.488	99.8	0.960	155	98	1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.071	2517.185	5877.960	24.382	102.6	0.934	920	254	1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.076	2924.010	12090.617	47.258	99.4	0.827	299	65017	1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.076	3464.773	23115.766	95.018	99.9	0.667	479	448	1.11
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.071	5077.768	53831.098			0.424	1194	3160	1.09

Compound name: 6:2FTS
Coefficient of Determination: R^2 = 0.999324
Calibration curve: -0.0034412 * x^2 + 0.994716 * x
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



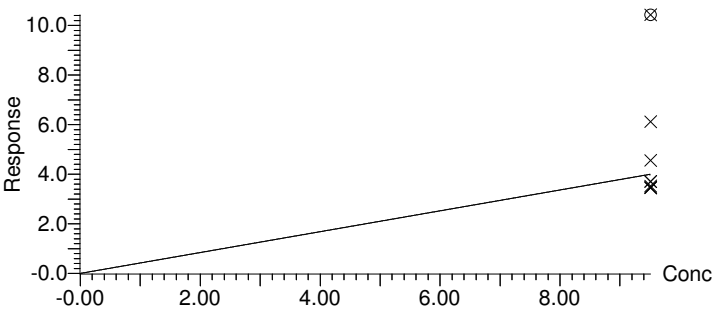
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.076	6882.845	2553.341	8.818	92.7	0.390	452		1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.071	6933.049	2409.051	8.260	86.9	0.365	822		1.17
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.071	7100.415	2445.797	8.188	86.1	0.362	153		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.071	7165.459	2481.422	8.232	86.6	0.364	237		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.076	6900.413	2435.177	8.389	88.2	0.371	141		1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.071	6784.145	2517.185	8.820	92.7	0.390	182		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.076	6411.173	2924.010	10.841	114.0	0.480	1215		1.20
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.076	5667.216	3464.773	14.533	152.8	0.643	871		1.10
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.072	4868.267	5077.768	24.793	260.7	1.097	196		1.09

Compound name: M2-6:2FTS
Response Factor: 0.420689
RRF SD: 0.0977163, % Relative SD: 23.2277
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



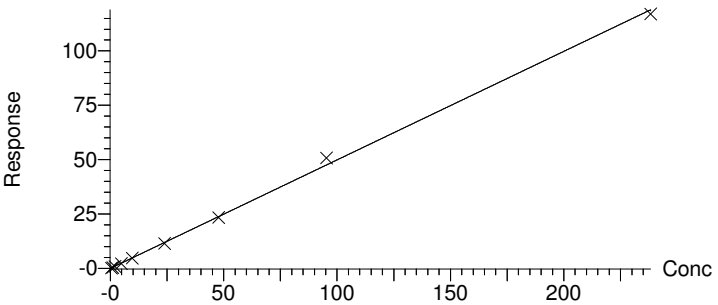
all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.211	8383.880	171.581	0.393	82.5	0.412	68	13	1.40
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.206	8906.563	404.748	0.873	91.6	0.457	602	25	1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.211	8663.129	780.270	1.731	90.8	0.453	106	294	1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.206	8653.443	2039.467	4.529	95.0	0.474	291	329	1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.215	8572.226	4184.671	9.380	98.4	0.491	279	431	1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.211	8076.005	9619.652	22.888	96.1	0.479	492	1791	1.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.215	8136.576	19857.023	46.894	98.4	0.491	4068	3870	1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.211	6803.091	35964.238	101.581	106.6	0.532	2766	2380	1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.207	6176.442	75339.430	234.386	98.4	0.491	14366	21775	1.40

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998576
Calibration curve: 0.499081 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



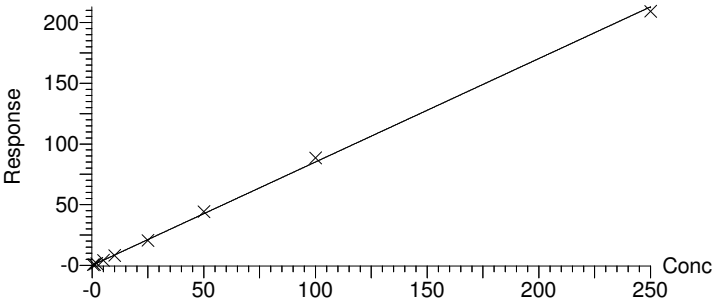
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.882	68868.531	2740.352	0.467	93.4	0.796	427	173	1.29
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.875	72448.953	5606.461	0.909	90.9	0.774	210	257	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.877	72974.063	11525.519	1.855	92.7	0.790	804	264	1.32
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.879	71689.281	29294.506	4.798	96.0	0.817	7359	739	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.882	70503.836	57548.367	9.584	95.8	0.816	4304	1423	1.37
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.879	67277.688	138884.969	24.240	97.0	0.826	17348	3753	1.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.882	62365.035	275963.344	51.958	103.9	0.885	35310	5661	1.36
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.879	57659.281	511105.281	104.083	104.1	0.886	80214	11525	1.35
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.877	50332.941	1052814.125	245.606	98.2	0.837	25764	12991	1.38

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999080
Calibration curve: 0.851647 * x
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



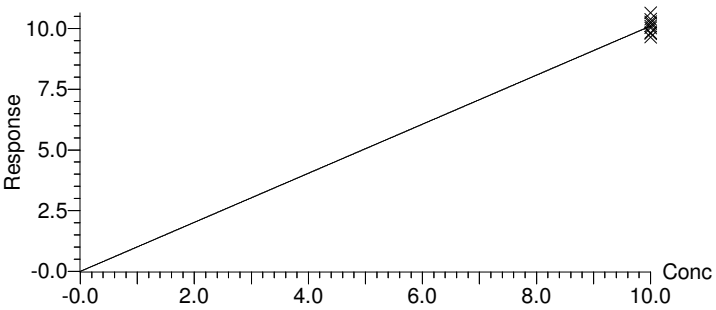
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.882	68676.219	68868.531	9.927	99.3	1.003	18612		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.875	68052.391	72448.953	10.539	105.4	1.065	9663		1.32
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.875	70318.352	72974.063	10.273	102.7	1.038	4717		1.39
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.877	69762.328	71689.281	10.173	101.7	1.028	7286		1.34
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.882	69006.398	70503.836	10.114	101.1	1.022	12870		1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.880	66586.563	67277.688	10.002	100.0	1.010	6997		1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.882	63419.371	62365.035	9.735	97.3	0.983	1901		1.35
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.880	58890.566	57659.281	9.692	96.9	0.979	9019		1.31
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.877	52207.934	50332.941	9.544	95.4	0.964	6450		1.32

Compound name: M9PFNA
Response Factor: 1.01016
RRF SD: 0.0316706, % Relative SD: 3.13521
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



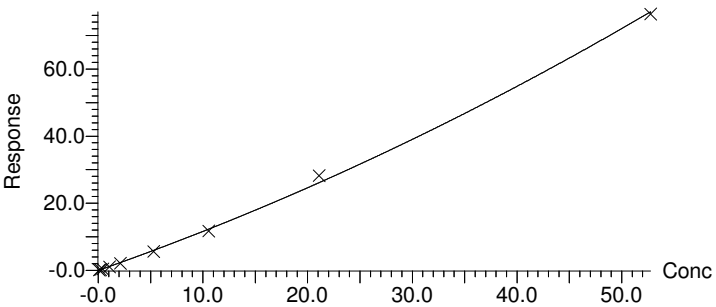
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.742	8383.880	79.154	0.083	78.6	0.858	14	3	0.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.735	8906.563	169.471	0.167	79.1	0.865	4	3	0.55
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.742	8663.129	361.517	0.366	86.7	0.948	6	7	0.46
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.740	8653.443	947.944	0.956	90.7	0.996	78	31	0.41
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.742	8572.226	1885.928	1.909	90.5	1.000	136	52	0.53
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.742	8076.005	4717.880	4.973	94.3	1.062	95	48	0.50
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.745	8136.576	9914.234	10.056	95.3	1.108	773	67	0.48
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.745	6803.091	20040.141	22.604	107.1	1.339	1736	106	0.45
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.742	6176.442	49188.930	52.382	99.3	1.448	657	321	0.48

Compound name: br-PFOS
Coefficient of Determination: R^2 = 0.997967
Calibration curve: 0.00699306 * x^2 + 1.0917 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



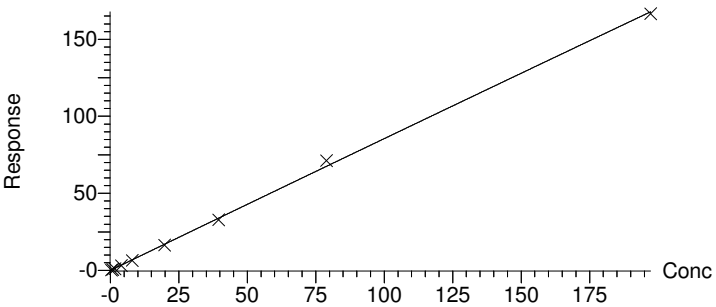
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.937	8383.880	260.270	0.346	87.8	0.755	66	32	1.13
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929	8906.563	542.143	0.679	86.1	0.740	22	34	1.39
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929	8663.129	1012.639	1.304	82.6	0.710	27	59	1.43
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.933	8653.443	2796.399	3.606	91.4	0.786	398	293	1.30
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937	8572.226	5783.967	7.531	95.4	0.820	775	455	1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933	8076.005	13875.338	19.187	97.3	0.835	511	455	1.28
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937	8136.576	27805.289	38.202	96.8	0.831	3939	536	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933	6803.091	50538.367	83.244	105.5	0.903	7867	761	1.37
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933	6176.442	107291.234	195.824	99.3	0.845	2455	1910	1.40

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.998753
Calibration curve: -4.54524e-005 * x^2 + 0.859605 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



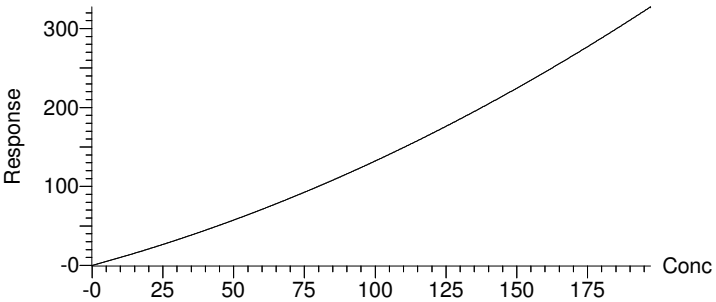
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Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		8383.880	339.424	0.429					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		8906.563	711.614	0.846					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		8663.129	1374.156	1.670					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		8653.443	3744.343	4.562					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		8572.226	7669.895	9.440					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		8076.005	18593.218	24.160					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		8136.576	37719.523	48.258					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		6803.091	70578.508	105.847					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		6176.442	156480.164	248.206					

Compound name: PFOS
Coefficient of Determination: 0.000000
Calibration curve: 0.975652 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



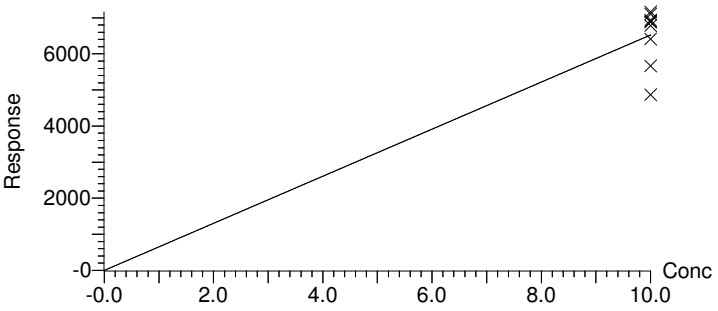
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Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.937		6882.845	10.551	105.5	688.284	997		1.20
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929		6933.049	10.628	106.3	693.305	1039		1.33
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929		7100.415	10.884	108.8	710.042	1482		1.39
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.933		7165.459	10.984	109.8	716.546	1293		1.27
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937		6900.413	10.578	105.8	690.041	1677		1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933		6784.145	10.399	104.0	678.415	2360		1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937		6411.173	9.828	98.3	641.117	1814		1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933		5667.216	8.687	86.9	566.722	3823		1.40
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933		4868.267	7.462	74.6	486.827	1065		1.44

Compound name: M4PFOS
Response Factor: 652.366
RRF SD: 76.9532, % Relative SD: 11.796
Response type: External Std, Area
Curve type: RF



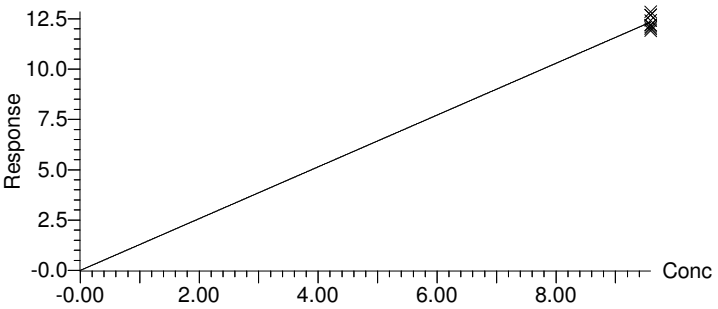
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.933	6882.845	8383.880	9.470	98.8	1.270	1178		1.32
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.929	6933.049	8906.563	9.988	104.1	1.340	2091		1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.929	7100.415	8663.129	9.486	98.9	1.272	925		1.34
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.929	7165.459	8653.443	9.389	97.9	1.259	1568		1.37
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.937	6900.413	8572.226	9.658	100.7	1.295	2041		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.933	6784.145	8076.005	9.255	96.5	1.241	3485		1.27
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.937	6411.173	8136.576	9.867	102.9	1.323	2025		1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.933	5667.216	6803.091	9.333	97.3	1.252	944		1.38
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.933	4868.267	6176.442	9.864	102.9	1.323	913		1.43

Compound name: M8PFOS
Response Factor: 1.28623
RRF SD: 0.0354332, % Relative SD: 2.75481
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



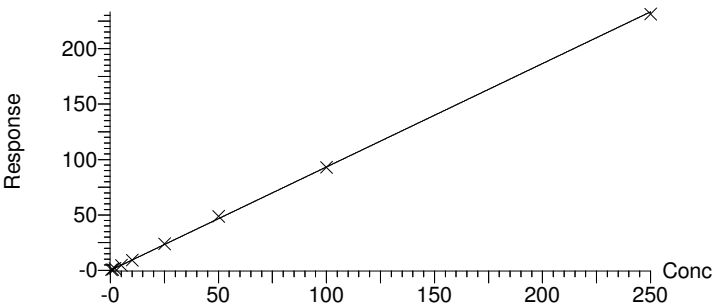
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	68469.914	3167.335	0.496	99.1	0.925	127	71	1.14
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	73085.734	6547.257	0.960	96.0	0.896	449	18571	1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	71524.258	13042.044	1.954	97.7	0.912	785	104	1.16
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	72184.539	32388.043	4.808	96.2	0.897	2651	109	1.24
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	68723.227	63486.273	9.900	99.0	0.924	9058	637	1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	61891.203	147935.281	25.615	102.5	0.956	8004	1120	1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	59163.844	287894.250	52.146	104.3	0.973	17517	4553	1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	54301.473	505264.094	99.713	99.7	0.930	15825	4306	1.17
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	45711.461	1057479.875	247.909	99.2	0.925	25853	7585	1.30

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999677
Calibration curve: 0.933158 * x
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



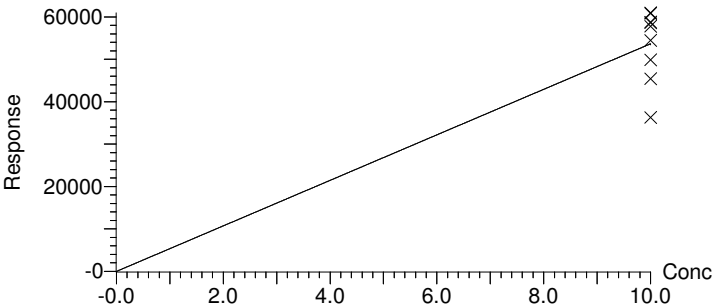
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Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...		57785.605	10.765	107.6	5778.561	4774		1.16
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...		58758.914	10.946	109.5	5875.891	4405		1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...		60979.289	11.360	113.6	6097.929	4410		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...		60816.547	11.330	113.3	6081.655	5024		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...		58616.219	10.920	109.2	5861.622	22426		1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...		54497.184	10.152	101.5	5449.718	3010		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...		49896.270	9.295	93.0	4989.627	5374		1.28
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...		45432.625	8.464	84.6	4543.262	1649		1.21
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...		36332.258	6.768	67.7	3633.226	6323		1.34

Compound name: M2PFDA
Response Factor: 5367.94
RRF SD: 833.048, % Relative SD: 15.5189
Response type: External Std, Area
Curve type: RF



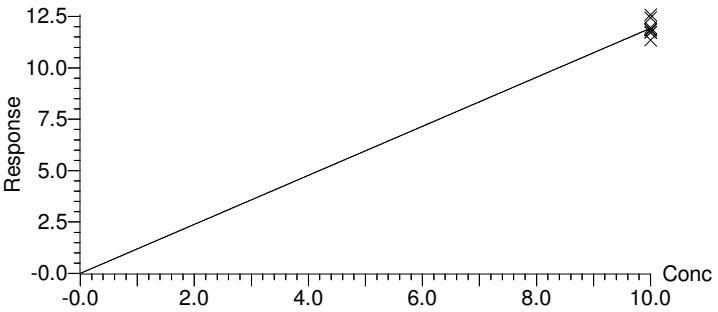
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	57785.605	68469.914	9.933	99.3	1.185	5181		1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	58758.914	73085.734	10.427	104.3	1.244	439		1.21
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	60979.289	71524.258	9.833	98.3	1.173	1226		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	60816.547	72184.539	9.950	99.5	1.187	6880		1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	58616.219	68723.227	9.829	98.3	1.172	11188		1.18
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	54497.184	61891.203	9.521	95.2	1.136	2466		1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	49896.270	59163.844	9.940	99.4	1.186	507		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	45432.625	54301.473	10.020	100.2	1.195	3631		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	36332.258	45711.461	10.547	105.5	1.258	2470		1.26

Compound name: M6PFDA
Response Factor: 1.19286
RRF SD: 0.0372489, % Relative SD: 3.12265
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



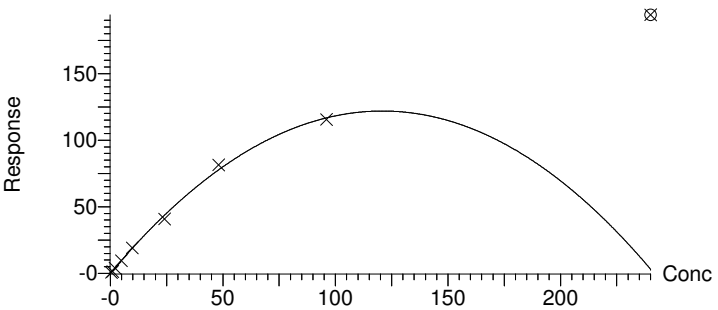
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	1951.854	126.087	0.308	64.1	1.292	24	745	1.60
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	1670.966	250.876	0.716	74.6	1.501	6	12	1.43
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	1571.077	686.189	2.096	109.2	2.184	1666	92	1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	1633.535	1633.580	4.855	101.1	2.000	241	7822	1.23
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	1682.487	3380.288	9.969	103.8	2.009	71261	16984	1.27
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	1810.738	7703.726	22.296	92.9	1.702	1457	176	1.25
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	1785.142	15124.318	51.119	106.5	1.694	536	641	1.33
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	2211.801	26615.070	93.180	97.1	1.203	804	70	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	2738.615	55372.297			0.809	706	1814	1.28

Compound name: 8:2FTS
Coefficient of Determination: R^2 = 0.996660
Calibration curve: -0.00835332 * x^2 + 2.0181 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



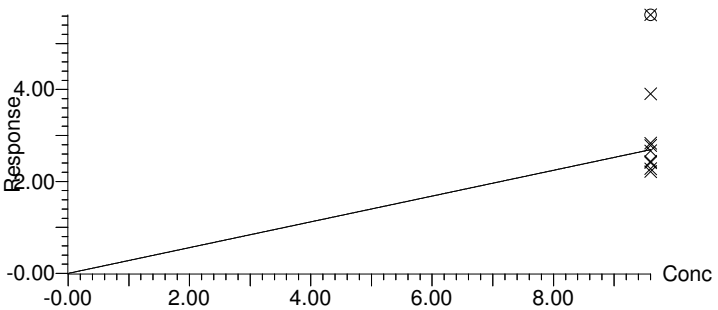
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	6882.845	1951.854	10.114	105.4	0.295	603		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	6933.049	1670.966	8.596	89.5	0.251	247		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	7100.415	1571.077	7.892	82.2	0.230	73		1.45
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	7165.459	1633.535	8.131	84.7	0.237	606		1.33
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	6900.413	1682.487	8.696	90.6	0.254	260		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	6784.145	1810.738	9.520	99.2	0.278	464		1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	6411.173	1785.142	9.931	103.4	0.290	494		1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	5667.216	2211.801	13.920	145.0	0.407	166		1.24
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	4868.267	2738.615	20.064	209.0	0.586	398		1.31

Compound name: M2-8:2FTS
Response Factor: 0.280376
RRF SD: 0.0562246, % Relative SD: 20.0533
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



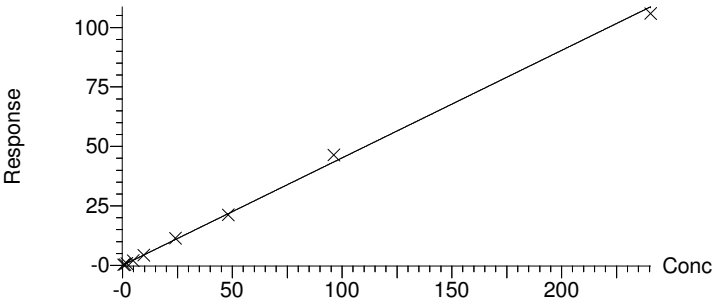
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.5...	8383.880	207.941	0.526	109.4	0.495	4872	4	1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.5...	8906.563	367.833	0.876	91.1	0.412	7132	4420	1.29
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.5...	8663.129	736.967	1.805	93.8	0.424	156	17	1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.5...	8653.443	1875.789	4.600	95.6	0.432	163	27939	1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.5...	8572.226	3790.822	9.384	97.5	0.441	226	366	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.5...	8076.005	9605.916	25.241	105.0	0.474	341	950	1.17
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.5...	8136.576	18021.775	47.002	97.7	0.442	908	210	1.17
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.5...	6803.091	32967.609	102.836	106.9	0.483	2098	3046	1.13
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.5...	6176.442	68216.492	234.376	97.5	0.440	4962	3763	1.32

Compound name: PFNS
Coefficient of Determination: R^2 = 0.998204
Calibration curve: 0.451915 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



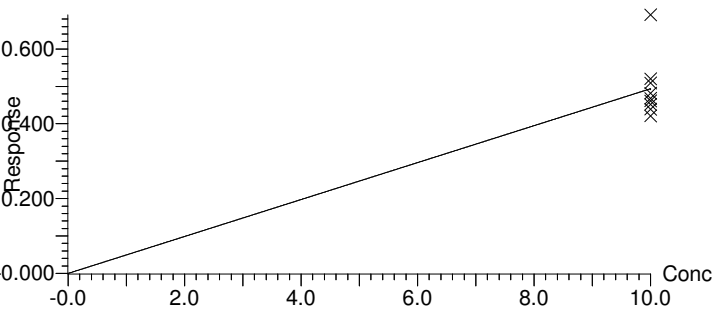
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.8...	57785.605	2785.578	9.763	97.6	0.048	450		0.95
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.8...	58758.914	2577.158	8.883	88.8	0.044	117		0.97
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.8...	60979.289	2567.593	8.528	85.3	0.042	323		0.95
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.8...	60816.547	2806.508	9.346	93.5	0.046	637		0.96
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	58616.219	2646.290	9.144	91.4	0.045	71		0.85
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.8...	54497.184	2550.829	9.480	94.8	0.047	427		0.85
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.8...	49896.270	2540.939	10.314	103.1	0.051	254		0.92
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.8...	45432.625	2364.550	10.541	105.4	0.052	218		0.90
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.8...	36332.258	2511.711	14.001	140.0	0.069	199		0.88

Compound name: d3-NMeFOSAA
Response Factor: 0.0493747
RRF SD: 0.00805746, % Relative SD: 16.319
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



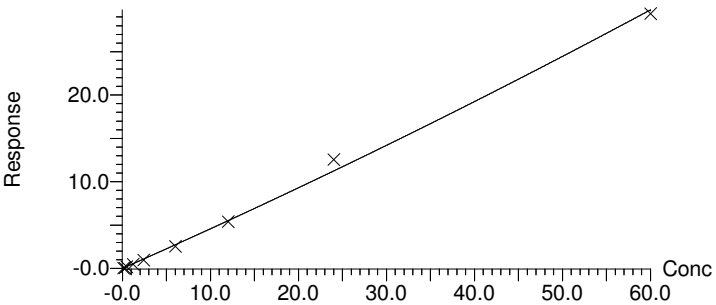
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.7...	2785.578	14.451	0.115	96.2	0.432	0		0.37
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.7...	2577.158	11.479	0.099	41.3	0.186	3	1	0.30
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.7...	2567.593	44.328	0.384	80.0	0.360	1	2	1.55
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.7...	2806.508	133.282	1.055	87.9	0.396	2	4	0.48
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.7...	2646.290	255.808	2.143	89.3	0.403	20	8	0.42
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.7...	2550.829	651.243	5.625	93.7	0.426	23	11	0.46
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.7...	2540.939	1368.381	11.739	97.8	0.449	89	71	0.44
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.7...	2364.550	2964.975	26.644	111.0	0.522	37	54	0.47
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.7...	2511.711	7384.312	59.209	98.7	0.490	96	446	0.43

Compound name: br-NMeFOSAA
Coefficient of Determination: R^2 = 0.994430
Calibration curve: 0.00079562 * x^2 + 0.449433 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/y, Axis trans: None



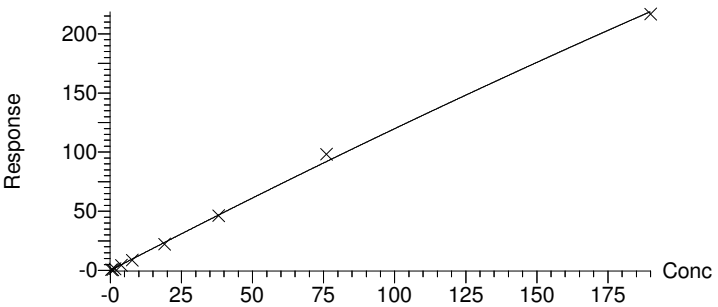
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	2785.578	141.346	0.406	106.8	1.335	5	6	0.76
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.8...	2577.158	150.763	0.468	61.6	0.770	43	12	1.22
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	2567.593	379.750	1.183	77.8	0.973	9	12	0.88
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.8...	2806.508	1189.424	3.394	89.3	1.115	31	29	1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	2646.290	2287.070	6.931	91.2	1.137	298	73	0.86
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.8...	2550.829	5630.429	17.781	93.6	1.162	274	73	1.00
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	2540.939	11766.226	37.616	99.0	1.219	1015	427	0.96
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	2364.550	23248.422	81.371	107.1	1.294	393	320	0.93
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.8...	2511.711	54410.430	187.894	98.9	1.140	931	2677	0.91

Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.997524
Calibration curve: -0.000519832 * x^2 + 1.25059 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



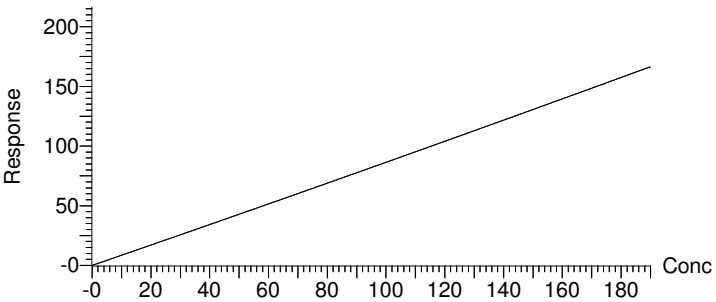
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		2785.578	155.797	0.521					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		2577.158	162.242	0.567					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		2567.593	424.078	1.567					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		2806.508	1322.706	4.448					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		2646.290	2542.878	9.073					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		2550.829	6281.672	23.406					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		2540.939	13134.607	49.354					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		2364.550	26213.397	108.015					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		2511.711	61794.742	247.103					

Compound name: NMeFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.850013 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



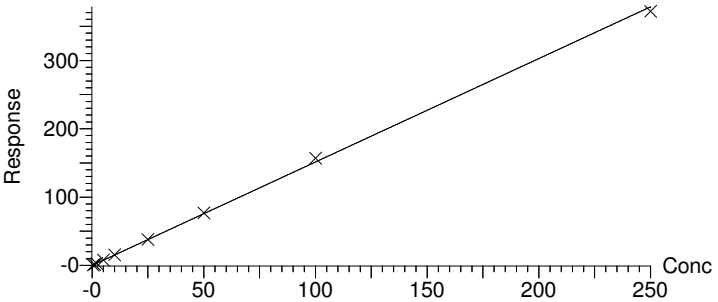
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.064	44022.203	3008.363	0.451	90.3	1.367	691	4	1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.055	42561.852	6627.849	1.029	102.9	1.557	453	326	1.14
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.059	41300.094	12139.437	1.942	97.1	1.470	390	44	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.059	43179.660	33962.883	5.195	103.9	1.573	3531	128	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.062	41380.883	63032.496	10.061	100.6	1.523	2521	394	1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.059	37946.855	143794.531	25.030	100.1	1.516	3157	448	1.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.064	34906.352	267741.031	50.664	101.3	1.534	7472	514	1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.064	31438.658	492869.719	103.553	103.6	1.568	40183	1113	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.055	26126.678	971349.438	245.575	98.2	1.487	57509	2643	1.43

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999459
Calibration curve: 1.51394 * x
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



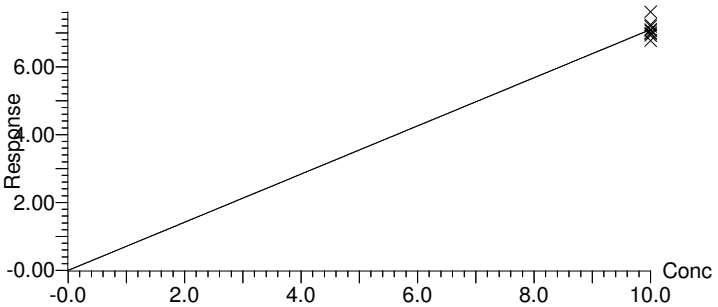
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.064	57785.605	44022.203	10.736	107.4	0.762	1313		1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.055	58758.914	42561.852	10.208	102.1	0.724	971		1.17
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.060	60979.289	41300.094	9.545	95.4	0.677	4191		1.18
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.060	60816.547	43179.660	10.006	100.1	0.710	2832		1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.062	58616.219	41380.883	9.949	99.5	0.706	6165		1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.060	54497.184	37946.855	9.813	98.1	0.696	1434		1.27
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.064	49896.270	34906.352	9.859	98.6	0.700	771		1.19
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.064	45432.625	31438.658	9.752	97.5	0.692	671		1.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.055	36332.258	26126.678	10.134	101.3	0.719	1094		1.30

Compound name: M7-PFUDA
Response Factor: 0.709598
RRF SD: 0.0241868, % Relative SD: 3.40853
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



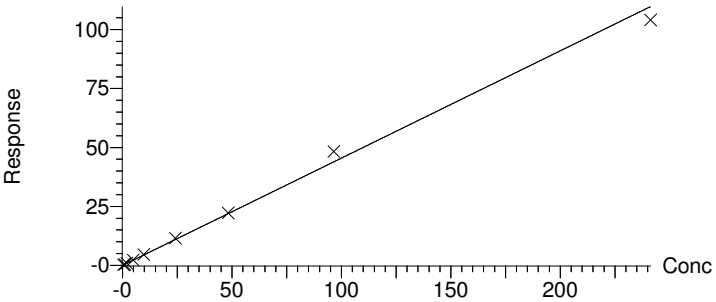
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.070	8383.880	190.209	0.478	99.1	0.451	23	60	1.59
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.065	8906.563	395.077	0.935	96.9	0.441	17	72	1.53
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.074	8663.129	864.089	2.102	108.9	0.496	125	71	1.23
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.074	8653.443	2079.205	5.064	105.0	0.478	418	83	1.34
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.077	8572.226	4151.735	10.207	105.8	0.481	271	230	1.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.074	8076.005	9744.214	25.429	105.4	0.480	543	564	1.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.079	8136.576	18859.256	48.850	101.2	0.461	870	1530	1.22
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.079	6803.091	34239.609	106.072	109.9	0.500	341	1160	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.074	6176.442	67064.227	228.840	94.9	0.432	1054	771	1.31

Compound name: PFDS
Coefficient of Determination: R^2 = 0.995772
Calibration curve: 0.455029 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



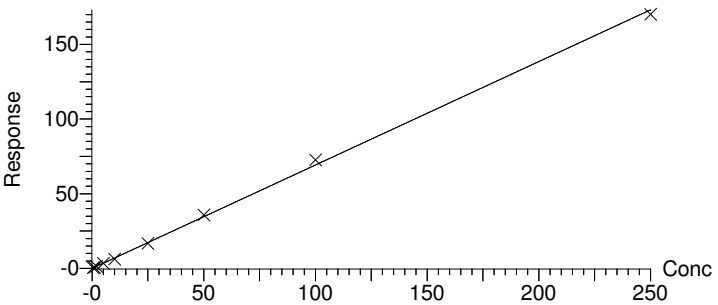
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	18651.363	660.975	0.512	102.4	0.709	171	82	1.19
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.9...	18303.158	1204.837	0.951	95.1	0.658	98	3	1.23
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	18223.188	2490.195	1.973	98.7	0.683	584	2	1.08
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.9...	18505.473	6199.845	4.838	96.8	0.670	387	831	1.22
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	18889.666	11868.024	9.073	90.7	0.628	1276	4	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.9...	17495.816	29314.309	24.196	96.8	0.670	1284	17	1.20
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	16993.432	60679.891	51.565	103.1	0.714	1226	212	1.15
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	15895.686	115295.016	104.743	104.7	0.725	4141	140	1.17
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.9...	15589.513	265189.281	245.650	98.3	0.680	4158	157	1.15

Compound name: FOSA
Coefficient of Determination: R^2 = 0.998891
Calibration curve: 0.69248 * x
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



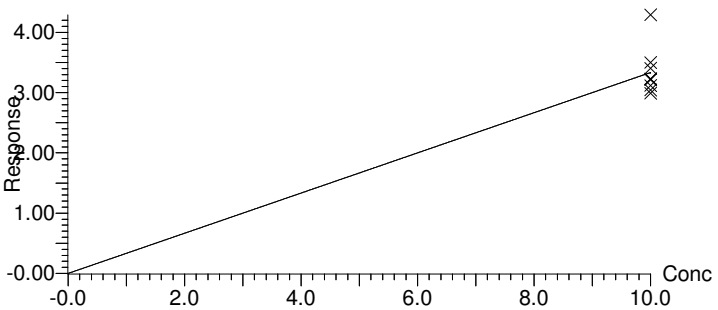
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	57785.605	18651.363	9.682	96.8	0.323	2170		1.08
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.9...	58758.914	18303.158	9.344	93.4	0.311	1994		1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.9...	60979.289	18223.188	8.965	89.6	0.299	967		1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.9...	60816.547	18505.473	9.128	91.3	0.304	441		1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.9...	58616.219	18889.666	9.667	96.7	0.322	791		1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.9...	54497.184	17495.816	9.631	96.3	0.321	1290		1.09
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.9...	49896.270	16993.432	10.217	102.2	0.341	1776		1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.9...	45432.625	15895.686	10.495	105.0	0.350	2354		1.15
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.9...	36332.258	15589.513	12.872	128.7	0.429	1805		1.12

Compound name: M8FOSA
Response Factor: 0.333358
RRF SD: 0.0393535, % Relative SD: 11.8052
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



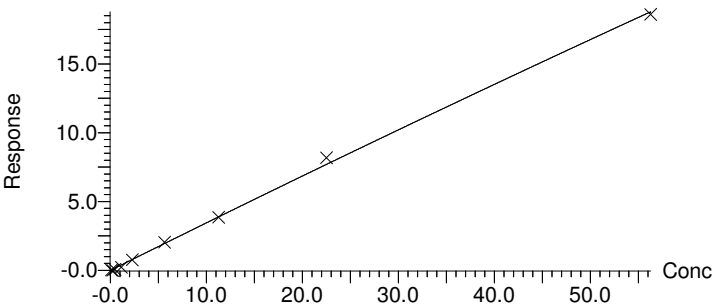
all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.9...	2132.584	2.591	0.035	31.0	0.108	65	0	3.55
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.034	2155.549	1.533	0.020	9.1	0.032	0	1	0.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.047	2148.323	15.770	0.211	46.9	0.163	6	9	0.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.047	2352.798	52.222	0.638	56.7	0.197	18	4	0.37
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.045	2160.968	167.117	2.226	99.0	0.344	17	35	0.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.038	2047.219	418.397	5.899	104.9	0.363	25	58	0.38
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.038	2234.842	861.283	11.166	99.3	0.343	12	38	0.39
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.043	2053.126	1681.369	23.945	106.4	0.364	64	74	0.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.038	2137.363	3974.725	55.646	98.9	0.331	71	182	0.39

Compound name: br-NEtFOSAA
Coefficient of Determination: R^2 = 0.992638
Calibration curve: -0.000246377 * x^2 + 0.347901 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



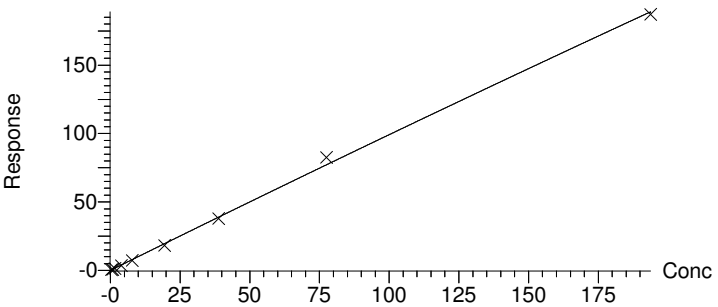
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.189	2132.584	76.488	0.355	91.7	0.926	1565	4	1.63
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.180	2155.549	134.881	0.620	80.0	0.807	36	5	1.50
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.184	2148.323	309.886	1.429	92.2	0.931	88	37	1.68
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.193	2352.798	839.091	3.534	91.2	0.920	282	29	1.31
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.191	2160.968	1542.024	7.076	91.3	0.921	269	320	1.25
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.193	2047.219	3732.291	18.114	93.5	0.941	325	431	1.14
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.193	2234.842	8454.319	37.716	97.3	0.976	179	311	1.24
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.193	2053.126	16963.080	83.038	107.1	1.066	944	663	1.27
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.188	2137.363	40004.148	191.832	99.0	0.966	1078	1594	1.30

Compound name: L-NEtFOSAA
Coefficient of Determination: R^2 = 0.997999
Calibration curve: -0.000177347 * x^2 + 1.0097 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



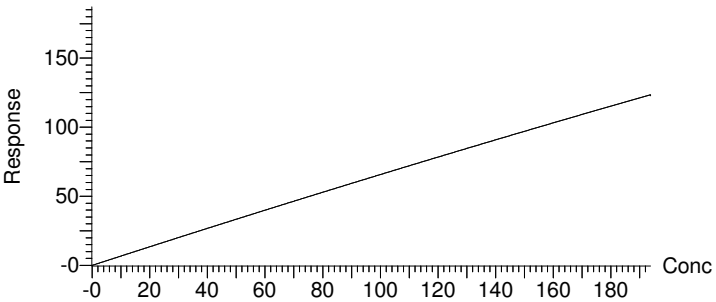
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11		2132.584	79.079	0.390					
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12		2155.549	136.414	0.640					
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47		2148.323	325.656	1.640					
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20		2352.798	891.313	4.173					
5	I58712	IA537STD-10	13-Apr-22	17:22:56		2160.968	1709.141	9.302					
6	I58713	IA537STD-25	13-Apr-22	17:39:29		2047.219	4150.688	24.013					
7	I58714	IA537STD-50	13-Apr-22	17:56:03		2234.842	9315.602	48.882					
8	I58715	IA537STD-100	13-Apr-22	18:12:37		2053.126	18644.449	106.984					
9	I58716	IA537STD-250	13-Apr-22	18:29:11		2137.363	43978.873	247.478					

Compound name: NEtFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.678799 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



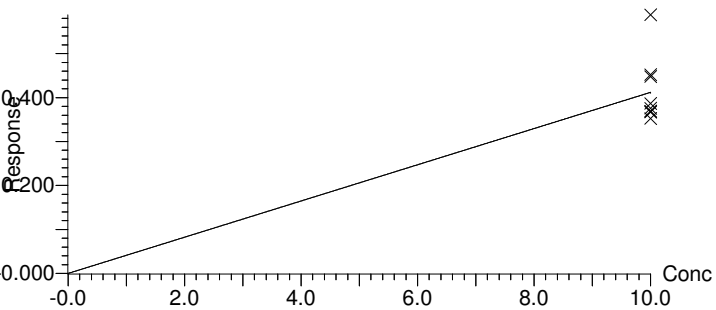
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.184	57785.605	2132.584	8.959	89.6	0.037	324		1.35
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.175	58758.914	2155.549	8.905	89.1	0.037	340		1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.180	60979.289	2148.323	8.552	85.5	0.035	279		1.21
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.180	60816.547	2352.798	9.391	93.9	0.039	60		1.33
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.182	58616.219	2160.968	8.949	89.5	0.037	197		1.36
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.184	54497.184	2047.219	9.119	91.2	0.038	490		1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.184	49896.270	2234.842	10.873	108.7	0.045	270		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.184	45432.625	2053.126	10.970	109.7	0.045	251		1.30
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.180	36332.258	2137.363	14.281	142.8	0.059	324		1.28

Compound name: d5-NEtFOSAA
Response Factor: 0.0411942
RRF SD: 0.00751949, % Relative SD: 18.2538
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



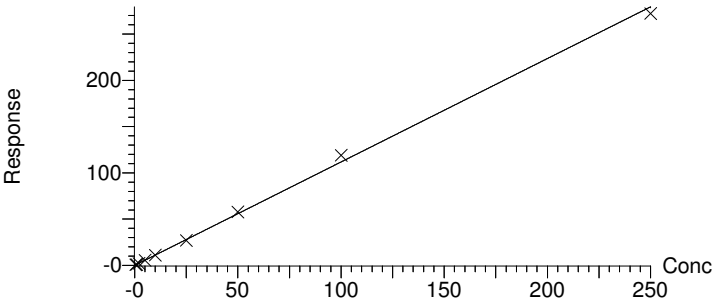
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.541	27810.164	1746.350	0.562	112.3	1.256	230	13	1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.532	25698.969	2836.002	0.987	98.7	1.104	429	27	1.27
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.536	25875.039	5497.677	1.900	95.0	1.062	473	9	1.23
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.536	24875.635	13667.449	4.914	98.3	1.099	1917	96	1.28
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.542	24669.096	26890.787	9.750	97.5	1.090	2093	82	1.19
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.541	24025.004	64456.402	23.997	96.0	1.073	2050	1002	1.19
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.536	23135.057	133531.688	51.626	103.3	1.154	12561	204	1.32
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.541	20263.416	240968.391	106.365	106.4	1.189	8114	2923	1.29
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.531	19408.529	528150.313	243.398	97.4	1.088	16929	4176	1.43

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998362
Calibration curve: 1.11801 * x
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



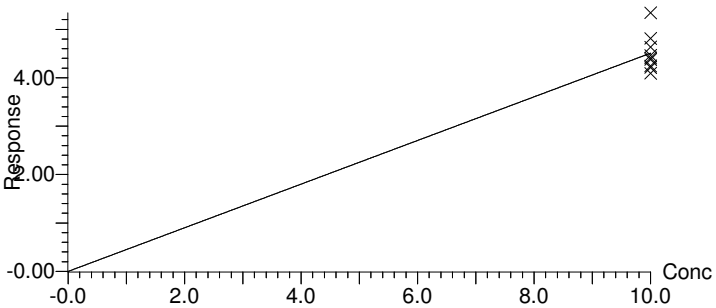
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Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.541	57785.605	27810.164	10.675	106.7	0.481	2369		1.18
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.532	58758.914	25698.969	9.701	97.0	0.437	2330		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.536	60979.289	25875.039	9.412	94.1	0.424	2546		1.15
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.537	60816.547	24875.635	9.073	90.7	0.409	1151		1.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.542	58616.219	24669.096	9.335	93.3	0.421	1359		1.16
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.541	54497.184	24025.004	9.778	97.8	0.441	563		1.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.537	49896.270	23135.057	10.284	102.8	0.464	2364		1.29
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.541	45432.625	20263.416	9.893	98.9	0.446	2765		1.20
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.536	36332.258	19408.529	11.849	118.5	0.534	2007		1.27

Compound name: MPFDOA
Response Factor: 0.450839
RRF SD: 0.0382317, % Relative SD: 8.48011
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



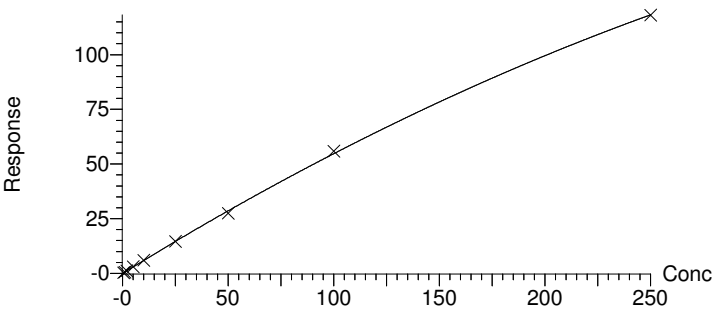
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.952	40706.596	1313.917	0.541	108.2	0.646	96	22	1.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.947	39862.889	2507.407	1.055	105.5	0.629	213	50	1.11
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.952	40782.537	4642.785	1.910	95.5	0.569	714	33	1.12
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.952	38670.829	12140.063	5.282	105.6	0.628	1024	203	1.14
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.953	37873.122	22958.160	10.242	102.4	0.606	1563	230	1.21
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.952	36740.308	53490.785	24.904	99.6	0.582	2611	172	1.32
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.952	35862.895	98538.734	47.937	95.9	0.550	1846	421	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.958	32449.493	181128.203	102.185	102.2	0.558	3825	528	1.23
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.952	31707.842	374173.000	249.395	99.8	0.472	14229	1047	1.26

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999556
Calibration curve: -0.000496418 * x^2 + 0.596975 * x
Response type: Internal Std (Ref Multiple), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



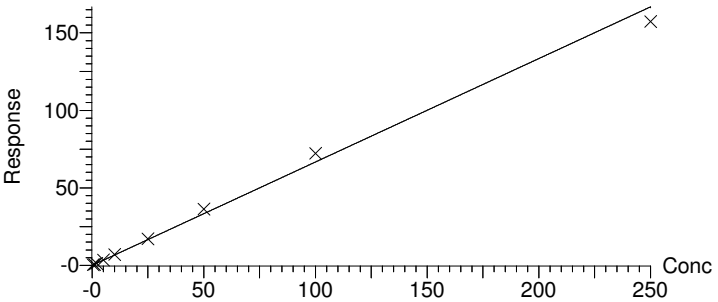
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.3...	53603.027	1925.329	0.538	107.7	0.718	180	103	1.12
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.3...	54026.809	3609.976	1.001	100.1	0.668	342	98	1.28
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.3...	55690.035	7389.772	1.989	99.4	0.663	824	14968	1.19
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.3...	52466.023	17895.223	5.112	102.2	0.682	982	66	1.25
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.3...	51077.148	36104.887	10.595	105.9	0.707	2321	511	1.29
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.3...	49455.613	85016.172	25.765	103.1	0.688	1862	494	1.33
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.3...	48590.734	176621.188	54.480	109.0	0.727	4518	1051	1.26
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.3...	44635.570	322540.844	108.305	108.3	0.723	8784	602	1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.311	44007.156	692096.688	235.715	94.3	0.629	7489	6054	1.37

Compound name: PFTA
Coefficient of Determination: R^2 = 0.995341
Calibration curve: 0.6672 * x
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



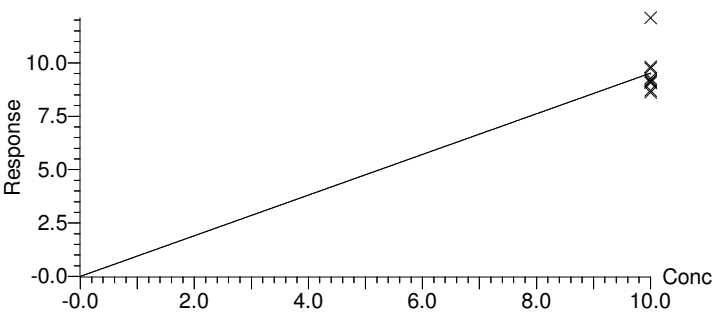
all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.3...	57785.605	53603.027	9.742	97.4	0.928	2746		1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.3...	58758.914	54026.809	9.657	96.6	0.919	2476		1.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.3...	60979.289	55690.035	9.591	95.9	0.913	814		1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.3...	60816.547	52466.023	9.060	90.6	0.863	4134		1.24
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.3...	58616.219	51077.148	9.152	91.5	0.871	2996		1.28
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.3...	54497.184	49455.613	9.531	95.3	0.907	2359		1.29
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.3...	49896.270	48590.734	10.228	102.3	0.974	2155		1.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.3...	45432.625	44635.570	10.318	103.2	0.982	1261		1.33
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.3...	36332.258	44007.156	12.721	127.2	1.211	2041		1.34

Compound name: M2PFTEDA
Response Factor: 0.952161
RRF SD: 0.105012, % Relative SD: 11.0288
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



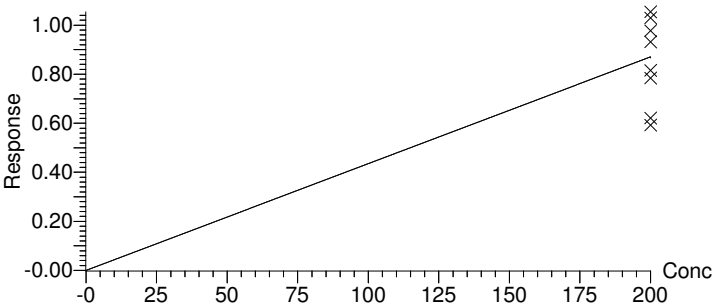
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Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.321	68676.219	7067.468	236.381	118.2	0.005	193		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.312	68052.391	7004.667	236.428	118.2	0.005	702		1.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.315	70318.352	7414.315	242.191	121.1	0.005	83		0.95
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.318	69762.328	6498.912	213.981	107.0	0.005	547		1.04
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.315	69006.398	6749.141	224.654	112.3	0.005	898		1.06
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.312	66586.563	5224.678	180.231	90.1	0.004	614		1.14
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.312	63419.371	5174.870	187.427	93.7	0.004	12		1.34
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.309	58890.566	3656.356	142.613	71.3	0.003	21		1.65
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.302	52207.934	3093.282	136.094	68.0	0.003	86		2.15

Compound name: M3HFPO-DA
Response Factor: 0.00435356
RRF SD: 0.000882878, % Relative SD: 20.2794
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF



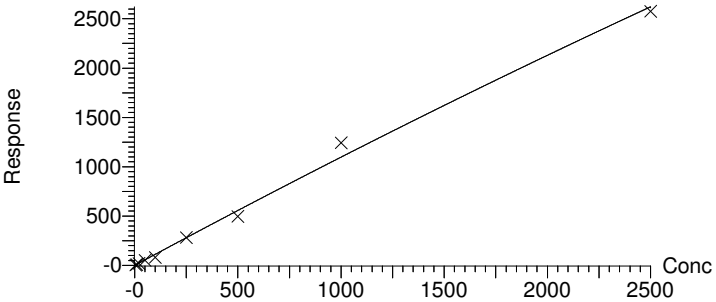
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	7.318	7067.468	140.778	3.525	70.5	0.797	25	2	1.34
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	7.314	7004.667	324.459	8.199	82.0	0.926	48	19	1.06
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	7.308	7414.315	662.129	15.810	79.0	0.893	188	82	1.30
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	7.311	6498.912	1729.805	47.164	94.3	1.065	147	32	1.44
5	I58712	IA537STD-10	13-Apr-22	17:22:56	7.320	6749.141	2723.998	71.568	71.6	0.807	252	344	0.90
6	I58713	IA537STD-25	13-Apr-22	17:39:29	7.314	5224.678	7383.353	251.901	100.8	1.131	1336	723	1.05
7	I58714	IA537STD-50	13-Apr-22	17:56:03	7.311	5174.870	12875.942	446.046	89.2	0.995	135	3536	1.52
8	I58715	IA537STD-100	13-Apr-22	18:12:37	7.305	3656.356	22738.904	1137.936	113.8	1.244	47	4703	1.91
9	I58716	IA537STD-250	13-Apr-22	18:29:11	7.302	3093.282	39838.227	2453.051	98.1	1.030	152	1720	2.06

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.991577
Calibration curve: -3.26949e-005 * x^2 + 1.13024 * x
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



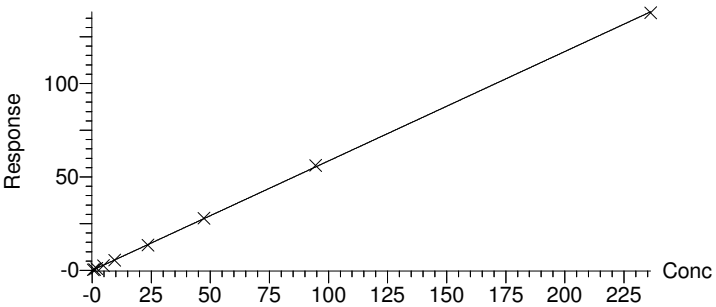
all concentration units in (ng/mL)

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Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	8.347	73916.414	1980.167	0.457	96.8	0.567	210	6	1.21
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	8.337	76590.016	4038.787	0.900	95.3	0.558	514	45	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	8.342	76036.281	7936.744	1.782	94.3	0.552	1920	307	1.25
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	8.342	76293.773	20189.600	4.519	95.6	0.560	2476	18	1.19
5	I58712	IA537STD-10	13-Apr-22	17:22:56	8.342	73475.039	39870.289	9.266	98.1	0.574	10812	228	1.32
6	I58713	IA537STD-25	13-Apr-22	17:39:29	8.342	71064.500	95849.758	23.032	97.5	0.571	26520	961	1.23
7	I58714	IA537STD-50	13-Apr-22	17:56:03	8.347	68165.789	190403.188	47.698	100.9	0.591	18519	1920	1.25
8	I58715	IA537STD-100	13-Apr-22	18:12:37	8.344	62418.520	350867.563	95.989	101.6	0.595	24824	1005	1.28
9	I58716	IA537STD-250	13-Apr-22	18:29:11	8.342	57007.391	786068.313	235.463	99.7	0.584	38127	10039	1.38

Compound name: ADONA
Coefficient of Determination: R^2 = 0.999834
Calibration curve: 0.585608 * x
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



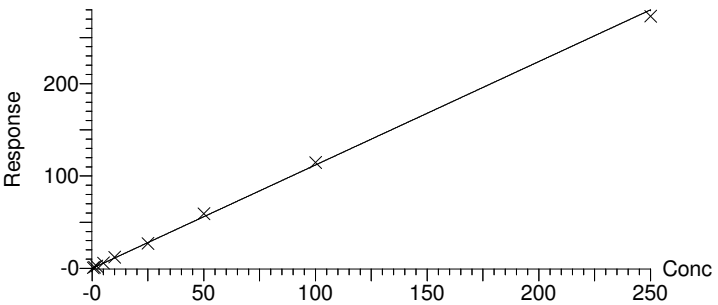
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.7...	9172.977	764.867	0.744	148.9	1.668	182	37	1.30
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.7...	8975.259	1226.814	1.220	122.0	1.367	259	10	1.38
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.7...	8930.111	2237.443	2.237	111.9	1.253	304	7	1.63
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.7...	8734.326	5077.610	5.191	103.8	1.163	1661	73	1.41
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.7...	8939.716	10707.668	10.694	106.9	1.198	1514	70	1.45
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.7...	8550.182	23248.064	24.277	97.1	1.088	1022	532	1.63
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.7...	8418.035	49971.375	53.002	106.0	1.187	23	445	1.48
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.7...	8080.573	92715.102	102.444	102.4	1.147	267	632	1.65
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.7...	7180.162	195971.594	243.690	97.5	1.092	7650	797	1.66

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.998395
Calibration curve: 1.12001 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



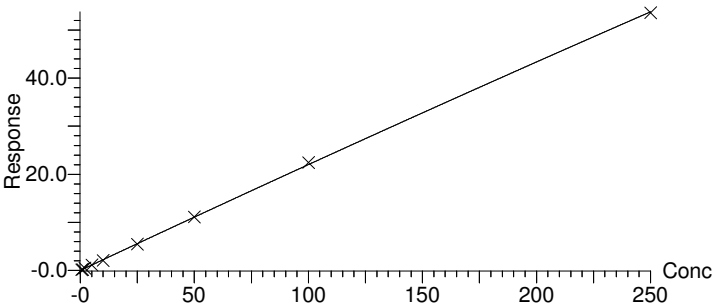
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.9...	9172.977	95.273	0.465	93.0	0.208	22	5	1.89
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.9...	8975.259	169.739	0.847	84.7	0.189	51	28	1.64
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.9...	8930.111	392.976	1.970	98.5	0.220	169	28	1.26
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.9...	8734.326	976.724	5.009	100.2	0.224	310	77	1.42
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.9...	8939.716	1856.944	9.310	93.1	0.208	321	30	1.44
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.9...	8550.182	4666.886	24.518	98.1	0.218	53	92	1.41
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.9...	8418.035	9352.780	50.097	100.2	0.222	1398	224	1.42
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.9...	8080.573	18156.777	102.103	102.1	0.225	693	526	1.53
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.9...	7180.162	38507.281	249.181	99.7	0.215	659	166	1.54

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999684
Calibration curve: -3.2921e-005 * x^2 + 0.223429 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



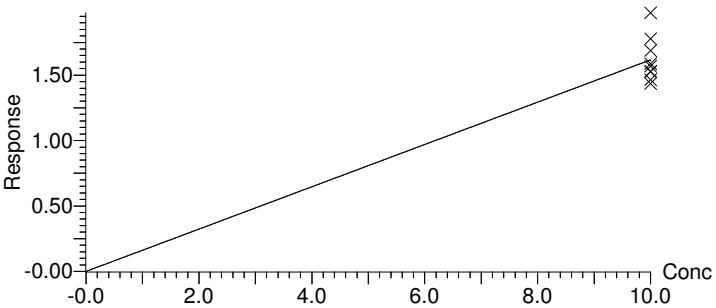
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	12.7...	57785.605	9172.977	9.818	98.2	0.159	297		1.72
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	12.7...	58758.914	8975.259	9.447	94.5	0.153	109		1.35
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	12.7...	60979.289	8930.111	9.058	90.6	0.146	76		1.61
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	12.7...	60816.547	8734.326	8.883	88.8	0.144	658		1.78
5	I58712	IA537STD-10	13-Apr-22	17:22:56	12.7...	58616.219	8939.716	9.433	94.3	0.153	222		1.55
6	I58713	IA537STD-25	13-Apr-22	17:39:29	12.7...	54497.184	8550.182	9.704	97.0	0.157	592		1.50
7	I58714	IA537STD-50	13-Apr-22	17:56:03	12.7...	49896.270	8418.035	10.435	104.3	0.169	281		1.47
8	I58715	IA537STD-100	13-Apr-22	18:12:37	12.7...	45432.625	8080.573	11.000	110.0	0.178	1400		1.61
9	I58716	IA537STD-250	13-Apr-22	18:29:11	12.7...	36332.258	7180.162	12.223	122.2	0.198	569		2.08

Compound name: M2PFHxDA
Response Factor: 0.161683
RRF SD: 0.0171645, % Relative SD: 10.6161
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



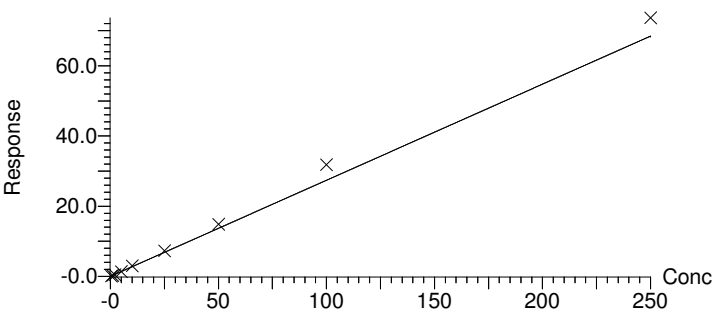
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.958	8383.880	82.333	0.344	68.8	0.188	12	396	0.87
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.936	8906.563	272.403	1.071	107.1	0.293	12	21	1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.942	8663.129	390.868	1.580	79.0	0.216	4841	2447	1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.947	8653.443	1209.323	4.894	97.9	0.268	95	47	1.15
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.948	8572.226	2656.118	10.850	108.5	0.297	265	69	1.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.947	8076.005	6144.830	26.644	106.6	0.292	914	379	1.13
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.947	8136.576	12581.823	54.148	108.3	0.297	2233	519	1.13
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.953	6803.091	22592.467	116.289	116.3	0.318	984	503	1.10
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.941	6176.442	47445.301	268.989	107.6	0.295	2320	1698	1.22

Compound name: PFDoS
Response Factor: 0.273866
RRF SD: 0.0430667, % Relative SD: 15.7255
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: RF



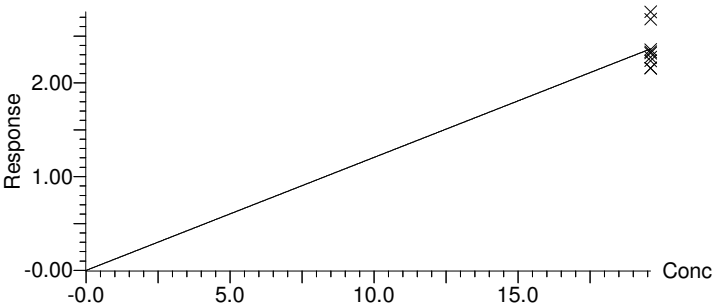
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: M2D4-10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.552	6882.845	1898.299	22.879	116.7	0.141	86		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.538	6933.049	1607.561	19.235	98.1	0.118	108		1.15
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.542	7100.415	1613.860	18.855	96.2	0.116	105		1.17
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.547	7165.459	1546.334	17.902	91.3	0.110	146		1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.548	6900.413	1541.734	18.535	94.6	0.114	65		1.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.547	6784.145	1597.639	19.536	99.7	0.120	26683		1.08
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.547	6411.173	1383.230	17.898	91.3	0.110	239		1.11
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.552	5667.216	1321.374	19.342	98.7	0.119	100		1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.547	4868.267	1303.869	22.218	113.4	0.137	352		1.05

Compound name: M2D4-10:2FTS
Response Factor: 0.120546
RRF SD: 0.0109334, % Relative SD: 9.06994
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



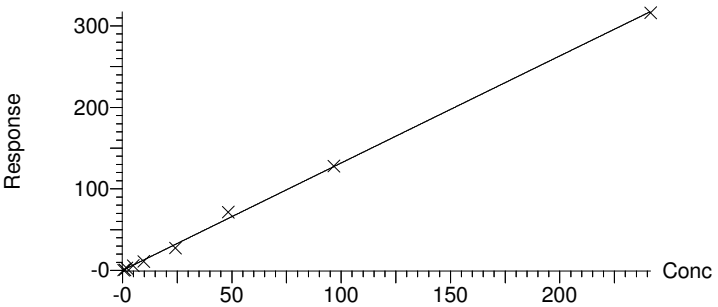
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.551	1898.299	50.683	0.396	82.1	1.083	3	352	1.03
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.542	1607.561	77.007	0.711	73.6	0.972	7	955	1.07
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.542	1613.860	215.475	1.982	102.6	1.355	34	36	1.37
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.551	1546.334	450.502	4.325	89.5	1.182	7472	4010	1.07
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.552	1541.734	861.647	8.298	85.9	1.134	132	356	1.12
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.551	1597.639	2239.458	20.816	86.2	1.138	116	189	1.09
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.551	1383.230	5044.118	54.182	112.2	1.480	629	619	1.06
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.556	1321.374	8643.272	97.258	100.7	1.327	812	1032	1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.546	1303.869	21036.525	240.454	99.6	1.309	2259	1465	1.09

Compound name: 10:2FTS
Coefficient of Determination: R^2 = 0.996317
Calibration curve: -2.15836e-005 * x^2 + 1.32031 * x
Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



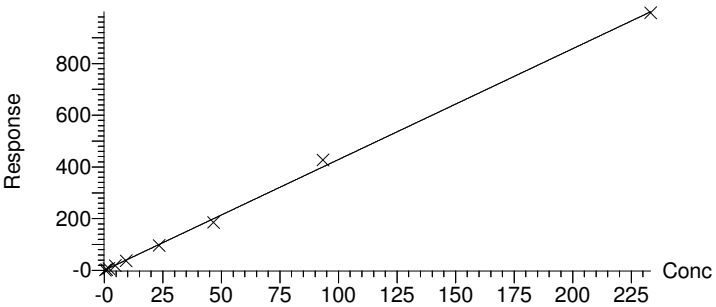
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	10.2...	8383.880	1529.075	0.408	87.5	3.749	98	63	1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	10.2...	8906.563	3387.581	0.851	91.2	3.909	280	64	1.04
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	10.2...	8663.129	6613.403	1.708	91.5	3.923	234	314	1.07
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	10.2...	8653.443	16861.434	4.359	93.4	4.006	402	564	1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	10.2...	8572.226	33497.563	8.741	93.7	4.017	3673	1035	1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	10.2...	8076.005	81158.227	22.480	96.4	4.132	5416	2684	1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	10.2...	8136.576	157813.172	43.387	93.0	3.987	8437	5230	1.10
8	I58715	IA537STD-100	13-Apr-22	18:12:37	10.2...	6803.091	302838.688	99.578	106.7	4.576	28030	9190	1.15
9	I58716	IA537STD-250	13-Apr-22	18:29:11	10.2...	6176.442	641327.750	232.274	99.6	4.269	45318	3088	1.14

Compound name: 9CL-PF3ONS
Coefficient of Determination: R^2 = 0.998059
Calibration curve: 4.28706 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



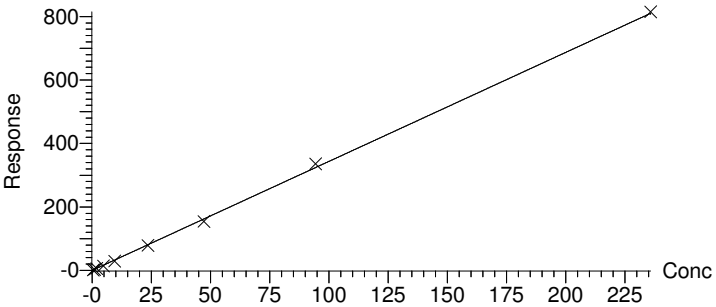
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: 11CL-PFOUdS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.339	8383.880	1259.349	0.419	88.9	3.055	332	19	1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.329	8906.563	2592.931	0.812	86.2	2.961	80	136	1.01
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.334	8663.129	5236.753	1.687	89.4	3.074	919	249	1.04
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.339	8653.443	12683.936	4.090	86.8	2.981	498	480	1.02
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.342	8572.226	26445.059	8.609	91.3	3.137	1091	307	1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.339	8076.005	65891.641	22.768	96.6	3.319	1597	2165	1.04
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.339	8136.576	130918.625	44.900	95.2	3.273	29897	4913	1.04
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.339	6803.091	238404.516	97.791	103.7	3.564	18860	2281	1.08
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.334	6176.442	524878.625	237.144	100.6	3.457	4369	1774	1.10

Compound name: 11CL-PFOUdS
Coefficient of Determination: R^2 = 0.998826
Calibration curve: 3.43659 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



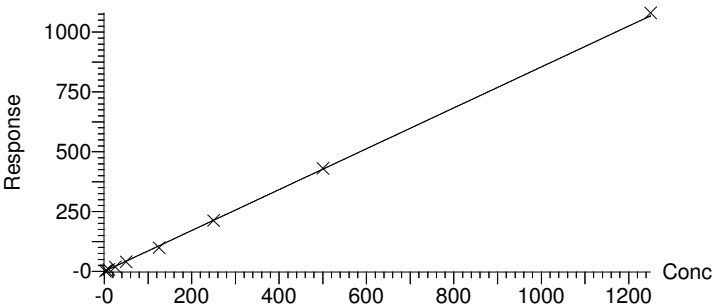
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.548	31389.230	512.479	1.910	76.4	0.653	202	43	1.15
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.539	29021.764	1191.627	4.804	96.1	0.821	204	61	1.12
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.544	29263.359	2402.274	9.605	96.1	0.821	290	155	1.14
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.544	29323.215	5566.592	22.212	88.8	0.759	2022	410	1.20
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.549	28852.328	11631.372	47.169	94.3	0.806	349	2200	1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.548	27634.563	27210.664	115.212	92.2	0.788	2408	907	1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.548	26327.721	55949.422	248.652	99.5	0.850	34297	1946	1.11
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.548	24372.738	104838.414	503.299	100.7	0.860	5430	938	1.16
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.543	20014.965	216326.672	1264.636	101.2	0.865	19590	6280	1.24

Compound name: NMeFOSA
Coefficient of Determination: R^2 = 0.999248
Calibration curve: 0.854653 * x
Response type: Internal Std (Ref 70), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



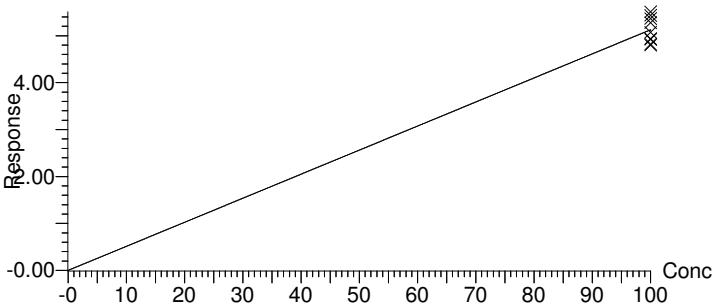
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.535	57785.605	31389.230	105.968	106.0	0.054	1233		1.22
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.530	58758.914	29021.764	96.353	96.4	0.049	5601		1.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.535	60979.289	29263.359	93.618	93.6	0.048	2983		1.20
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.539	60816.547	29323.215	94.060	94.1	0.048	864		1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.540	58616.219	28852.328	96.024	96.0	0.049	5700		1.17
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.539	54497.184	27634.563	98.922	98.9	0.051	1383		1.18
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.539	49896.270	26327.721	102.934	102.9	0.053	1824		1.18
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.539	45432.625	24372.738	104.653	104.7	0.054	1315		1.25
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.535	36332.258	20014.965	107.468	107.5	0.055	892		1.29

Compound name: d3-NMeFOSA
Response Factor: 0.0512607
RRF SD: 0.00273622, % Relative SD: 5.33785
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



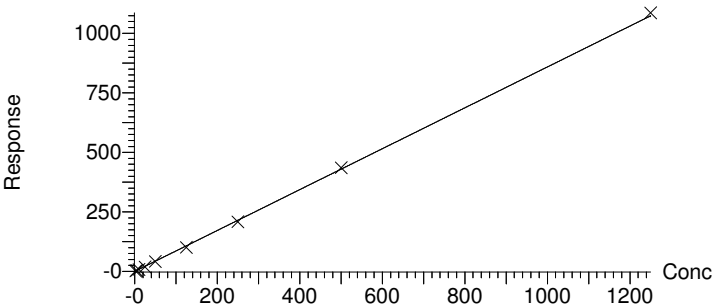
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.845	35612.000	658.541	2.152	86.1	0.740	45	2072	1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.840	34636.363	1437.943	4.832	96.6	0.830	428	82	1.04
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.845	34189.848	2753.768	9.375	93.8	0.805	357	74	1.03
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.845	35409.523	6724.052	22.104	88.4	0.760	579	370	1.06
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.846	34221.336	14036.606	47.744	95.5	0.820	1236	615	1.11
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.850	32510.094	32824.012	117.524	94.0	0.808	3045	748	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.845	33286.711	69302.977	242.344	96.9	0.833	6576	2316	1.07
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.850	29754.701	129537.008	506.745	101.3	0.871	6523	1503	1.06
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.844	24741.008	268810.625	1264.680	101.2	0.869	8198	3007	1.08

Compound name: NEtFOSA
Coefficient of Determination: R^2 = 0.999306
Calibration curve: 0.85911 * x
Response type: Internal Std (Ref 72), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



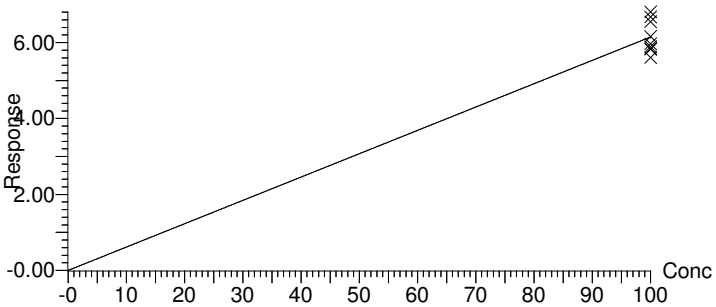
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.835	57785.605	35612.000	100.262	100.3	0.062	4806		1.01
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.830	58758.914	34636.363	95.900	95.9	0.059	2829		1.00
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.835	60979.289	34189.848	91.216	91.2	0.056	5135		0.99
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.835	60816.547	35409.523	94.723	94.7	0.058	852		1.01
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.836	58616.219	34221.336	94.981	95.0	0.058	549		1.04
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.835	54497.184	32510.094	97.052	97.1	0.060	2756		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.835	49896.270	33286.711	108.533	108.5	0.067	3116		1.02
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.835	45432.625	29754.701	106.548	106.5	0.065	2819		1.09
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.830	36332.258	24741.008	110.786	110.8	0.068	2213		1.10

Compound name: d5-NEtFOSA
Response Factor: 0.061467
RRF SD: 0.00427944, % Relative SD: 6.96218
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



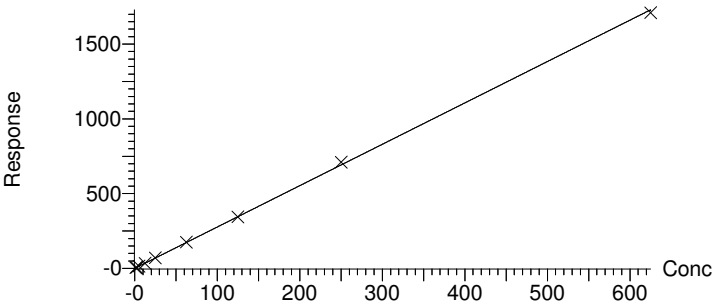
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.546	37014.313	1316.934	1.286	102.9	2.846	623		1.11
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.541	36798.629	2397.979	2.355	94.2	2.607	1018		1.14
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.546	36322.672	5123.110	5.098	102.0	2.821	1025		1.13
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.546	36430.789	12485.126	12.387	99.1	2.742	783		1.16
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.551	35065.293	24519.498	25.273	101.1	2.797	2425		1.09
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.550	32989.434	57638.480	63.149	101.0	2.795	4404		1.10
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.550	31765.906	109701.367	124.818	99.9	2.763	5558		1.12
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.550	27782.416	197166.750	256.503	102.6	2.839	8396		1.18
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.550	21012.480	359214.656	617.881	98.9	2.735	8190		1.20

Compound name: NMeFOSE
Coefficient of Determination: R^2 = 0.999742
Calibration curve: 2.76676 * x
Response type: Internal Std (Ref 74), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



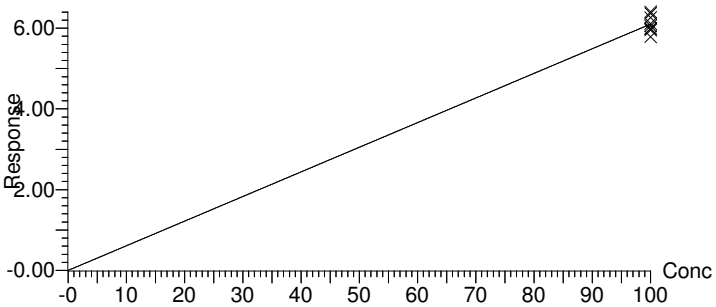
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.532	57785.605	37014.313	104.978	105.0	0.064	1611		1.20
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.523	58758.914	36798.629	102.637	102.6	0.063	4649		1.30
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.528	60979.289	36322.672	97.621	97.6	0.060	4427		1.27
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.532	60816.547	36430.789	98.174	98.2	0.060	3655		1.18
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.533	58616.219	35065.293	98.041	98.0	0.060	1273		1.22
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.532	54497.184	32989.434	99.209	99.2	0.061	2440		1.22
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.528	49896.270	31765.906	104.338	104.3	0.064	1923		1.34
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.532	45432.625	27782.416	100.219	100.2	0.061	3776		1.29
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.523	36332.258	21012.480	94.784	94.8	0.058	1377		1.53

Compound name: d7-NMeFOSE
Response Factor: 0.0610171
RRF SD: 0.00206097, % Relative SD: 3.37769
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



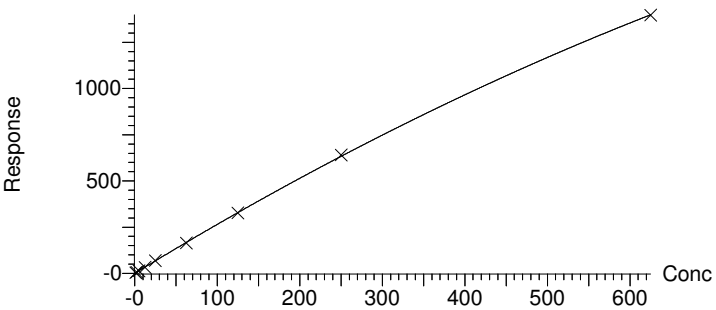
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.836	41346.719	1459.962	1.294	103.5	2.825	270		1.02
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.831	42302.352	2713.405	2.351	94.0	2.566	220		0.94
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.831	42702.418	5786.299	4.971	99.4	2.710	1466		1.02
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.836	42710.055	14263.228	12.277	98.2	2.672	1566		1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.837	42186.559	28903.201	25.281	101.1	2.741	2417		1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.836	40936.207	67627.195	61.609	98.6	2.643	3450		1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.831	39928.820	130434.422	124.102	99.3	2.613	29610		1.09
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.836	36538.477	233931.563	252.971	101.2	2.561	15117		1.09
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.831	31169.055	435347.188	623.798	99.8	2.235	10454		1.14

Compound name: NEtFOSE
Coefficient of Determination: R^2 = 0.999924
Calibration curve: -0.000786849 * x^2 + 2.72991 * x
Response type: Internal Std (Ref 76), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



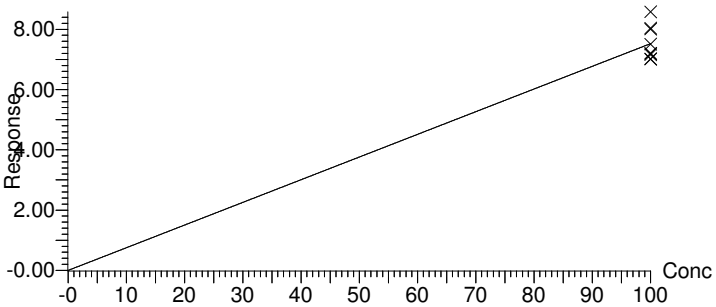
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	11.817	57785.605	41346.719	95.103	95.1	0.072	1304		0.99
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	11.811	58758.914	42302.352	95.690	95.7	0.072	3188		0.99
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	11.811	60979.289	42702.418	93.078	93.1	0.070	700		1.06
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	11.817	60816.547	42710.055	93.343	93.3	0.070	4575		0.99
5	I58712	IA537STD-10	13-Apr-22	17:22:56	11.817	58616.219	42186.559	95.660	95.7	0.072	3519		1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	11.816	54497.184	40936.207	99.841	99.8	0.075	2742		1.00
7	I58714	IA537STD-50	13-Apr-22	17:56:03	11.811	49896.270	39928.820	106.364	106.4	0.080	1310		1.05
8	I58715	IA537STD-100	13-Apr-22	18:12:37	11.817	45432.625	36538.477	106.895	106.9	0.080	2251		1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	11.811	36332.258	31169.055	114.027	114.0	0.086	3081		0.99

Compound name: d9-NEtFOSE
Response Factor: 0.0752359
RRF SD: 0.00556967, % Relative SD: 7.40293
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



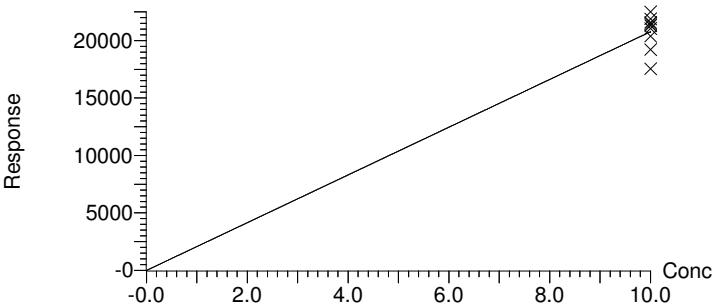
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M3PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	4.974		21900.961	10.544	105.4	2190.096	7274		1.83
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	4.959		21306.186	10.257	102.6	2130.619	4778		2.24
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	4.964		22500.625	10.832	108.3	2250.063	1198		2.22
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	4.964		21571.217	10.385	103.8	2157.122	5153		2.21
5	I58712	IA537STD-10	13-Apr-22	17:22:56	4.969		21445.234	10.324	103.2	2144.523	3135		2.20
6	I58713	IA537STD-25	13-Apr-22	17:39:29	4.964		21055.080	10.136	101.4	2105.508	5650		2.16
7	I58714	IA537STD-50	13-Apr-22	17:56:03	4.969		20390.674	9.817	98.2	2039.067	6296		1.85
8	I58715	IA537STD-100	13-Apr-22	18:12:37	4.969		19222.734	9.254	92.5	1922.273	6668		2.19
9	I58716	IA537STD-250	13-Apr-22	18:29:11	4.969		17551.648	8.450	84.5	1755.165	3246		1.98

Compound name: M3PFPeA
Response Factor: 2077.16
RRF SD: 152.629, % Relative SD: 7.34796
Response type: External Std, Area
Curve type: RF



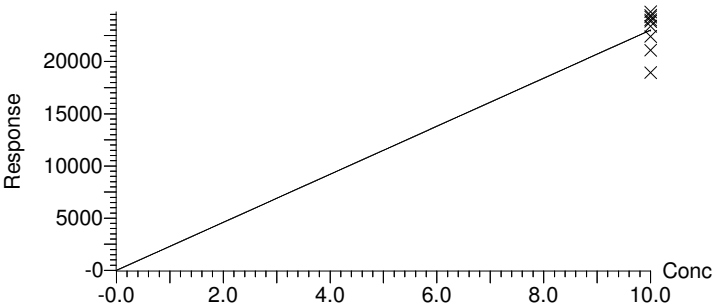
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M2PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.884		24427.055	10.616	106.2	2442.706	1145		2.54
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.875		23846.379	10.364	103.6	2384.638	2395		2.31
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.875		24760.082	10.761	107.6	2476.008	2626		2.42
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.879		23990.156	10.426	104.3	2399.016	5239		2.09
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.879		24264.137	10.546	105.5	2426.414	3761		2.77
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.875		23384.197	10.163	101.6	2338.420	1975		3.15
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.879		22388.154	9.730	97.3	2238.815	1611		2.27
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.880		21095.330	9.168	91.7	2109.533	3006		2.70
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.880		18924.203	8.225	82.2	1892.420	668		2.36

Compound name: M2PFHxA
Response Factor: 2300.89
RRF SD: 191.018, % Relative SD: 8.30194
Response type: External Std, Area
Curve type: RF



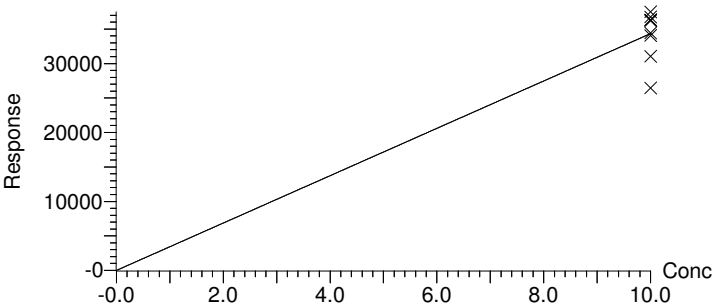
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: M4PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	9.120		36747.348	10.701	107.0	3674.735	20108		3.31
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	9.111		36357.844	10.588	105.9	3635.784	3391		3.08
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	9.115		37497.055	10.920	109.2	3749.706	8137		4.15
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	9.111		36282.598	10.566	105.7	3628.260	2684		2.80
5	I58712	IA537STD-10	13-Apr-22	17:22:56	9.120		36202.684	10.543	105.4	3620.268	11101		2.46
6	I58713	IA537STD-25	13-Apr-22	17:39:29	9.115		34431.602	10.027	100.3	3443.160	4602		3.30
7	I58714	IA537STD-50	13-Apr-22	17:56:03	9.120		34050.441	9.916	99.2	3405.044	5258		3.84
8	I58715	IA537STD-100	13-Apr-22	18:12:37	9.115		31030.295	9.036	90.4	3103.029	4467		2.84
9	I58716	IA537STD-250	13-Apr-22	18:29:11	9.111		26449.969	7.703	77.0	2644.997	3833		3.60

Compound name: M4PFOA
Response Factor: 3433.89
RRF SD: 354.218, % Relative SD: 10.3154
Response type: External Std, Area
Curve type: RF



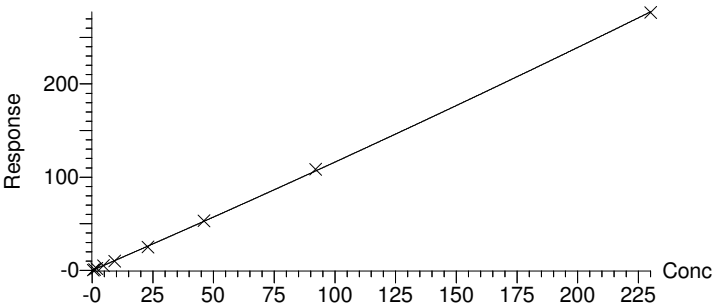
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFPrS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	3.438	6676.506	321.214	0.397	86.4	0.975	109	52	0.76
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	3.430	6886.081	728.234	0.874	94.9	1.071	45	52	1.00
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	3.435	6837.730	1403.034	1.694	92.1	1.039	361	1499	1.01
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	3.433	6697.879	3683.251	4.537	98.6	1.114	292	478	1.00
5	I58712	IA537STD-10	13-Apr-22	17:22:56	3.435	6620.420	7157.659	8.909	96.8	1.095	7996	927	1.01
6	I58713	IA537STD-25	13-Apr-22	17:39:29	3.430	6442.362	17321.467	22.067	95.9	1.090	23573	6135	1.02
7	I58714	IA537STD-50	13-Apr-22	17:56:03	3.435	6099.604	34918.773	46.644	101.4	1.160	106090	4543	1.01
8	I58715	IA537STD-100	13-Apr-22	18:12:37	3.433	5727.812	66605.398	93.449	101.6	1.178	202387	47599	1.02
9	I58716	IA537STD-250	13-Apr-22	18:29:11	3.422	5173.313	153572.641	229.442	99.8	1.203	29896	742	0.93

Compound name: PFPrS
Coefficient of Determination: R^2 = 0.999748
Calibration curve: 0.000338947 * x^2 + 1.12807 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



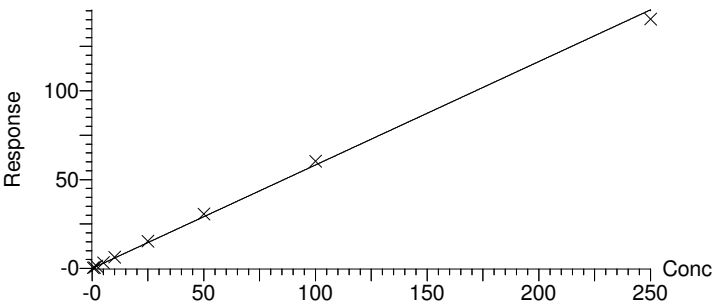
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFMPA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	3.434	29081.551	906.691	0.535	107.1	0.624	1322		0.71
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	3.431	29173.766	1816.224	1.069	106.9	0.623	402		1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	3.434	29200.439	3634.269	2.137	106.8	0.622	603		1.04
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	3.431	29397.014	9279.970	5.420	108.4	0.631	8464		1.08
5	I58712	IA537STD-10	13-Apr-22	17:22:56	3.434	28949.648	18161.090	10.770	107.7	0.627	2782		1.08
6	I58713	IA537STD-25	13-Apr-22	17:39:29	3.428	28147.549	43199.957	26.349	105.4	0.614	60534		1.06
7	I58714	IA537STD-50	13-Apr-22	17:56:03	3.431	27959.693	85486.078	52.491	105.0	0.611	73554		1.07
8	I58715	IA537STD-100	13-Apr-22	18:12:37	3.431	27019.998	163185.734	103.686	103.7	0.604	38560		1.07
9	I58716	IA537STD-250	13-Apr-22	18:29:11	3.420	26712.086	375040.188	241.043	96.4	0.562	475145		1.00

Compound name: PFMPA
Coefficient of Determination: R^2 = 0.998184
Calibration curve: 0.582473 * x
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



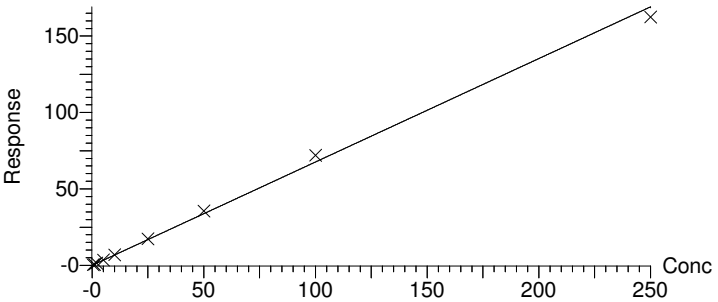
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFMBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	5.702	36432.656	1223.911	0.497	99.3	0.672	75		1.59
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	5.690	36594.313	2502.205	1.011	101.1	0.684	210		1.47
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	5.692	36357.691	5043.889	2.050	102.5	0.694	250		1.55
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	5.695	36846.906	13096.475	5.253	105.1	0.711	745		1.52
5	I58712	IA537STD-10	13-Apr-22	17:22:56	5.697	35742.441	24844.135	10.274	102.7	0.695	5463		1.53
6	I58713	IA537STD-25	13-Apr-22	17:39:29	5.692	34963.078	60474.957	25.565	102.3	0.692	14733		1.88
7	I58714	IA537STD-50	13-Apr-22	17:56:03	5.697	34067.641	121093.992	52.537	105.1	0.711	98728		1.85
8	I58715	IA537STD-100	13-Apr-22	18:12:37	5.697	31925.439	229694.625	106.341	106.3	0.719	164255		2.04
9	I58716	IA537STD-250	13-Apr-22	18:29:11	5.695	31375.270	509404.344	239.972	96.0	0.649	124406		1.46

Compound name: PFMBA
Coefficient of Determination: R^2 = 0.997711
Calibration curve: 0.676573 * x
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



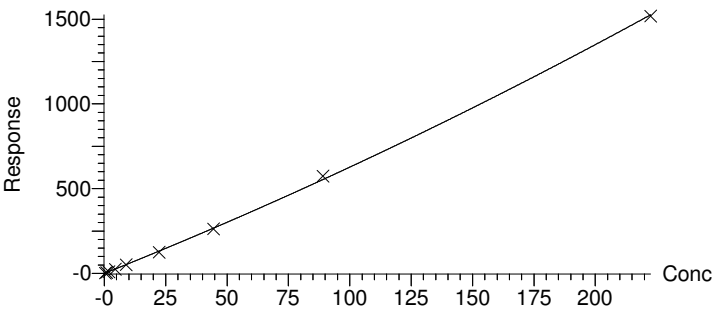
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: PFEESA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.388	6214.279	1579.920	0.416	93.5	5.416	302	4	1.46
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.380	6728.953	3442.216	0.837	94.0	5.449	320	43	1.94
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.380	6608.481	6806.211	1.684	94.6	5.485	326	124	2.34
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.384	6577.253	17188.371	4.263	95.8	5.567	3374	188	2.47
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.384	6325.771	33959.609	8.725	98.0	5.718	19772	623	3.10
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.380	6218.706	82144.984	21.249	95.5	5.628	2099	447	3.35
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.384	6012.042	166176.297	43.669	98.1	5.888	7476	339	3.74
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.384	5353.659	324382.406	92.161	103.6	6.454	15923	914	3.95
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.388	4631.073	741969.938	221.652	99.6	6.826	86919	5504	3.55

Compound name: PFEESA
Coefficient of Determination: R^2 = 0.999498
Calibration curve: 0.00478643 * x^2 + 5.79147 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



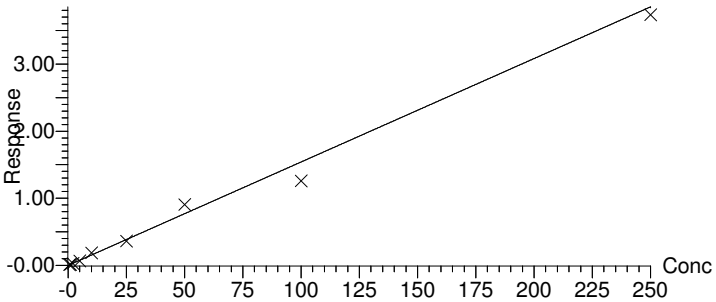
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:53:35 Eastern Daylight Time

Compound name: NFDHA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I58708	IA537STD-.5	13-Apr-22	19:32:11	6.664	46120.508	40.109	0.564	112.9	0.017	9		1.05
2	I58709	IA537STD-1.0	13-Apr-22	16:33:12	6.646	46036.281	72.457	1.021	102.1	0.016	20	60	1.10
3	I58710	IA537STD-2.0	13-Apr-22	16:49:47	6.651	45914.848	121.729	1.720	86.0	0.013	41	3	1.60
4	I58711	IA537STD-5.0	13-Apr-22	17:06:20	6.660	46080.836	311.880	4.392	87.8	0.014	3058	3	1.35
5	I58712	IA537STD-10	13-Apr-22	17:22:56	6.655	45811.238	854.737	12.107	121.1	0.019	52	34	1.82
6	I58713	IA537STD-25	13-Apr-22	17:39:29	6.646	43914.027	1587.045	23.451	93.8	0.014	204	660	1.74
7	I58714	IA537STD-50	13-Apr-22	17:56:03	6.655	41824.129	3789.536	58.793	117.6	0.018	348	75	1.65
8	I58715	IA537STD-100	13-Apr-22	18:12:37	6.651	39653.320	4994.700	81.733	81.7	0.013	333	1897	2.82
9	I58716	IA537STD-250	13-Apr-22	18:29:11	6.655	37191.844	13894.280	242.414	97.0	0.015	1343	160	1.89

Compound name: NFDHA
Response Factor: 0.015411
RRF SD: 0.00221186, % Relative SD: 14.3525
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:12 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: IA537STD-1.0
Name: I58709
Date: 13-Apr-2022
Time: 16:33:12
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 10
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	2345		0.937		na	93.7
2	M3PFBA	INT STD	2.11	216.009 > 171.999	25848		10.148		na	101.5
3	MPFBA	INT STD	2.11	217.001 > 171.999	29174		10.117		na	101.2
4	PFPeA	2706-90-3	4.96	263.039 > 219.03	2786		0.986		na	98.6
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	36594		10.331		na	103.3
6	PFBS	375-73-5	5.63	299.092 > 80.062	650		0.853	1.91	NO	96.1
7	M3PFBS	INT STD	5.62	302.069 > 80.062	6886		9.473		na	101.6
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	232		0.810	2.35	NO	86.5
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2652		8.173		na	87.1
10	PFHxA	307-24-4	6.87	313.047 > 269.037	4342	M7	0.970	16.80	NO	97.0
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	46036		10.097		na	101.0
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	588		0.812	2.02	NO	86.3
13	PFHpA	375-85-9	8.16	363.055 > 319.045	5335		0.948	6.66	NO	94.8
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	55978		10.259		na	102.6
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	81	M5,M7	0.150	2.52	NO	79.6
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	444		0.707	1.75	NO	87.2
17	PFHxS	355-46-4		399.107 > 80.062	525		0.858		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	6729		9.871		na	104.1
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	7130		0.946	10.11	NO	94.6
21	PFOA	335-67-1		412.8430 > 368.9430	7130		0.946		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	76590		10.404		na	104.0
23	M2PFOA	INT STD	9.11	414.828 > 369.935	68052		10.435		na	104.4
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	211		0.839	3.97	NO	88.3
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2409		8.260		na	86.9
26	PFHpS	375-92-8	9.21	449.115 > 80.062	405		0.873	1.29	NO	91.6
27	PFNA	375-95-1	9.87	462.8510 > 418.951	5606		0.909	3.60	NO	90.9
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	72449		10.539		na	105.4
29	br-PFOS	1763-23-1	9.73	498.9030 > 79.9520	169	M5,M7	0.167	3.54	NO	79.1
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	542		0.679	1.72	NO	86.1
31	PFOS	1763-23-1		498.9030 > 79.9520	712		0.846		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	6933		10.628		na	106.3
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	8907		9.988		na	104.1
34	PFDA	335-76-2	10.51	512.8580 > 468.9590	6547		0.960	7.51	NO	96.0
35	M2PFDA	INT STD	10.51	514.8332 > 469.8243	58759		10.946		na	109.5
36	M6PFDA	INT STD	10.51	518.6490 > 473.8794	73086		10.427		na	104.3
37	8:2FTS	39108-34-4	10.50	526.6490 > 506.7500	251		0.716	2.27	NO	74.6
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1671		8.596		na	89.5
39	PFNS	68259-12-1	10.54	549.131 > 80.062	368		0.876	1.65	NO	91.1

all concentration units in (ng/mL)

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Name: I58709
Date: 13-Apr-2022
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Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 10
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2577		8.883		na	88.8
41	br-NMeFOSAA		10.71	570.202 > 419.061	11	M5,M7	0.099	0.66	NO	41.3
42	L-NMeFOSAA		10.89	570.202 > 419.061	151		0.468	1.12	NO	61.6
43	NMeFOSAA	2355-31-9		570.202 > 419.061	162		0.567		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	6628		1.029	12.12	NO	102.9
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	42562		10.208		na	102.1
46	PFDS	335-77-3	11.07	599.139 > 80.062	395		0.935	1.71	NO	96.9
47	FOSA	754-91-6	10.92	498.146 > 78.07	1205	M7	0.951	228.45	YES	95.1
48	M8FOSA	INT STD	10.92	506.077 > 78.07	18303		9.344		na	93.4
49	br-NEtFOSAA		11.03	584.229 > 419.061	2	M5,M7	0.020	0.06	YES	9.1
50	L-NEtFOSAA		11.18	584.229 > 419.061	135		0.620	1.40	NO	80.0
51	NEtFOSAA	2991-50-6		584.229 > 419.061	136		0.640		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2156		8.905		na	89.1
53	PFDoA	307-55-1	11.53	613.094 > 569.084	2836	M7	0.987	28.81	NO	98.7
54	MPFDOA	INT STD	11.53	615.079 > 570.077	25699		9.701		na	97.0
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	2507		1.055	10.89	NO	105.5
56	PFTA	376-06-7	12.31	712.8900 > 668.9900	3610		1.001	9.94	NO	100.1
57	M2PFTEDA	INT STD	12.31	714.5214 > 669.7984	54027		9.657		na	96.6
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	7005		236.428		na	118.2
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	324	M7	8.199	8.32	YES	82.0
60	ADONA	958445-44-8	8.34	377.06 > 251.028	4039		0.900	27.80	NO	95.3
61	PFHxDA		12.75	813.122 > 768.8565	1227		1.220	19.43	NO	122.0
62	PFODA		12.96	913.411 > 868.7332	170	M7	0.847	16.91	NO	84.7
63	M2PFHxDA		12.75	815.102 > 770.108	8975		9.447		na	94.5
64	PFDoS		11.94	699.154 > 80.062	272		1.071	2.86	NO	107.1
65	M2D4-10:2FTS		11.54	633.201 > 612.189	1608	M4	19.235		na	98.1
66	10:2FTS		11.54	627.192 > 607.186	77		0.711	1.40	NO	73.6
67	9CL-PF3ONS		10.28	530.862 > 350.843	3388		0.851	2.67	NO	91.2
68	11CL-PFOUdS		11.33	630.862 > 450.854	2593		0.812	3.05	NO	86.2
69	NMeFOSA		11.54	512.163 > 169.022	1192		4.804	2.45	NO	96.1
70	d3-NMeFOSA		11.53	515.183 > 169.022	29022		96.353		na	96.4
71	NEtFOSA		11.84	526.192 > 169.022	1438		4.832	4.21	NO	96.6
72	d5-NEtFOSA		11.83	531.222 > 169.022	34636		95.900		na	95.9
73	NMeFOSE		11.54	615.8 > 59.045	2398		2.355		na	94.2
74	d7-NMeFOSE		11.52	622.84 > 59.045	36799		102.637		na	102.6
75	NEtFOSE		11.83	629.862 > 59.045	2713		2.351		na	94.0
76	d9-NEtFOSE		11.81	638.734 > 59.045	42302		95.690		na	95.7
77	M3PFPeA		4.96	266.017 > 222.007	21306		10.257		na	102.6
78	M2PFHxA		6.88	315.032 > 270.03	23846		10.364		na	103.6
79	M4PFOA		9.11	417.032 > 372.03	36358		10.588		na	105.9
80	PFPrS	423-41-6	3.43	249.084 > 80.062	728		0.874	3.10	NO	94.9
81	PFMPA		3.43	229.032 > 85.006	1816		1.069		na	106.9
82	PFMBA		5.69	279.042 > 85.006	2502	M4	1.011		na	101.1

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	3442		0.837	28.43	NO	94.0
84	NFDHA		6.65	295.032 > 201.027	72		1.021	15.12	NO	102.1

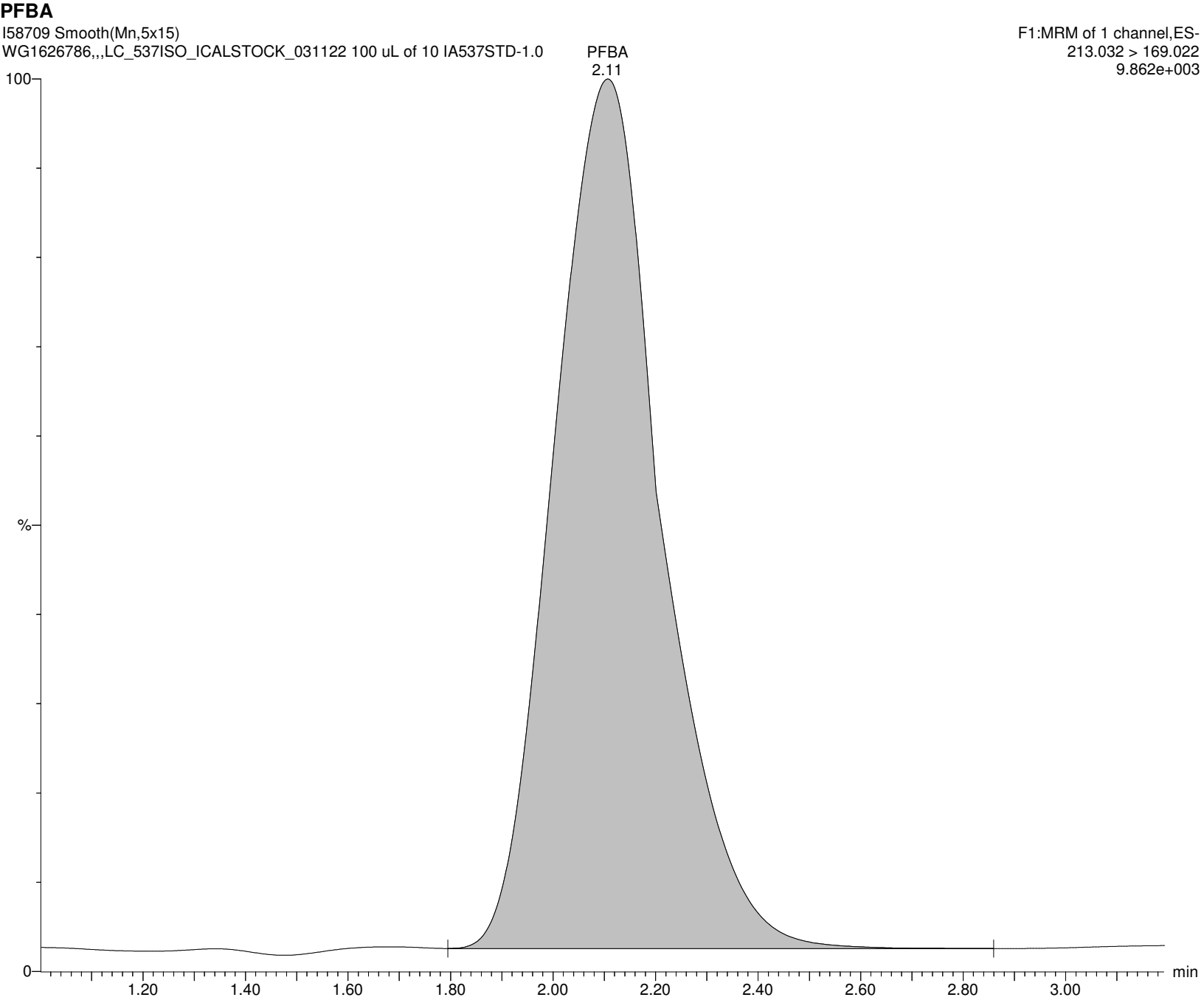
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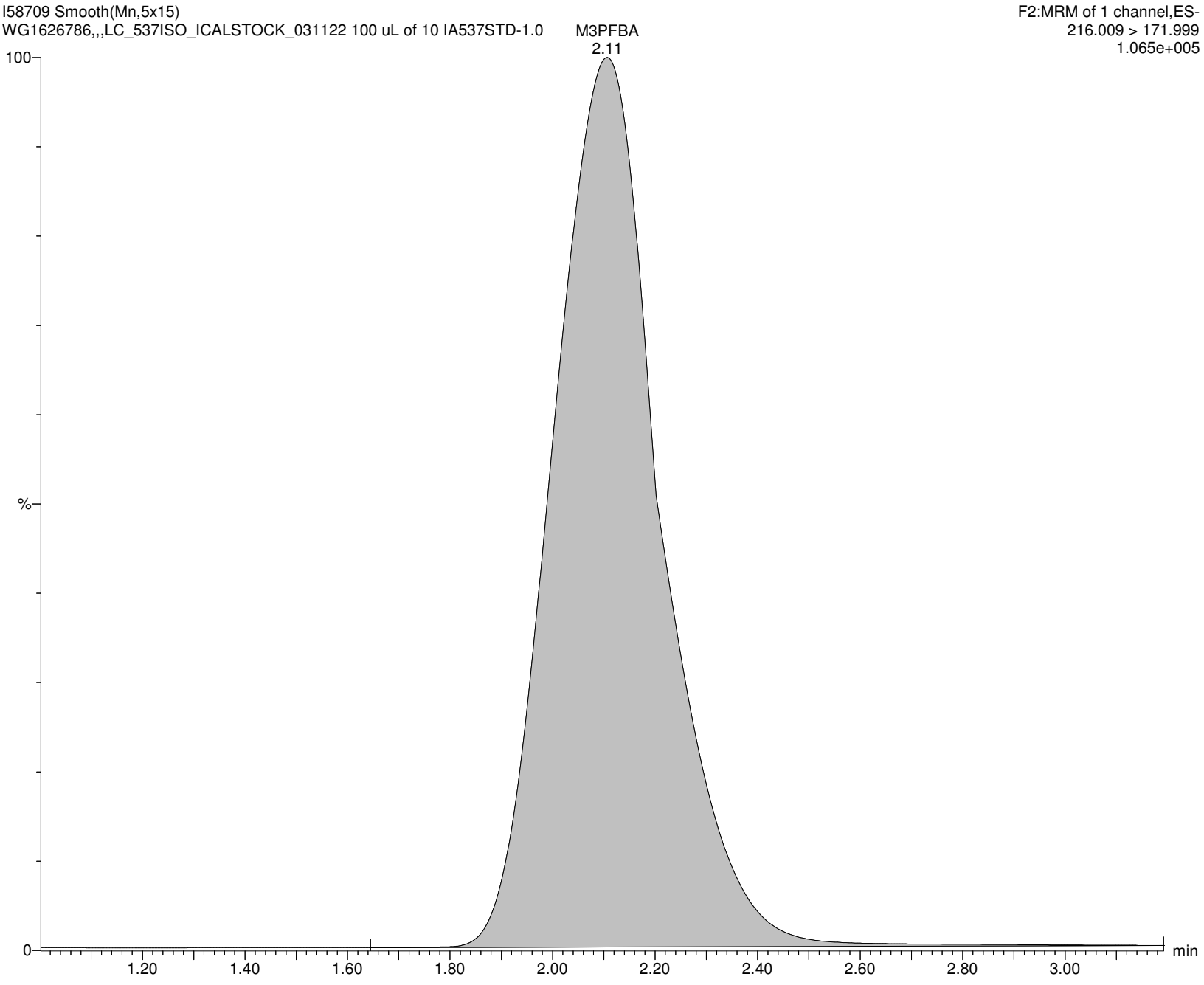


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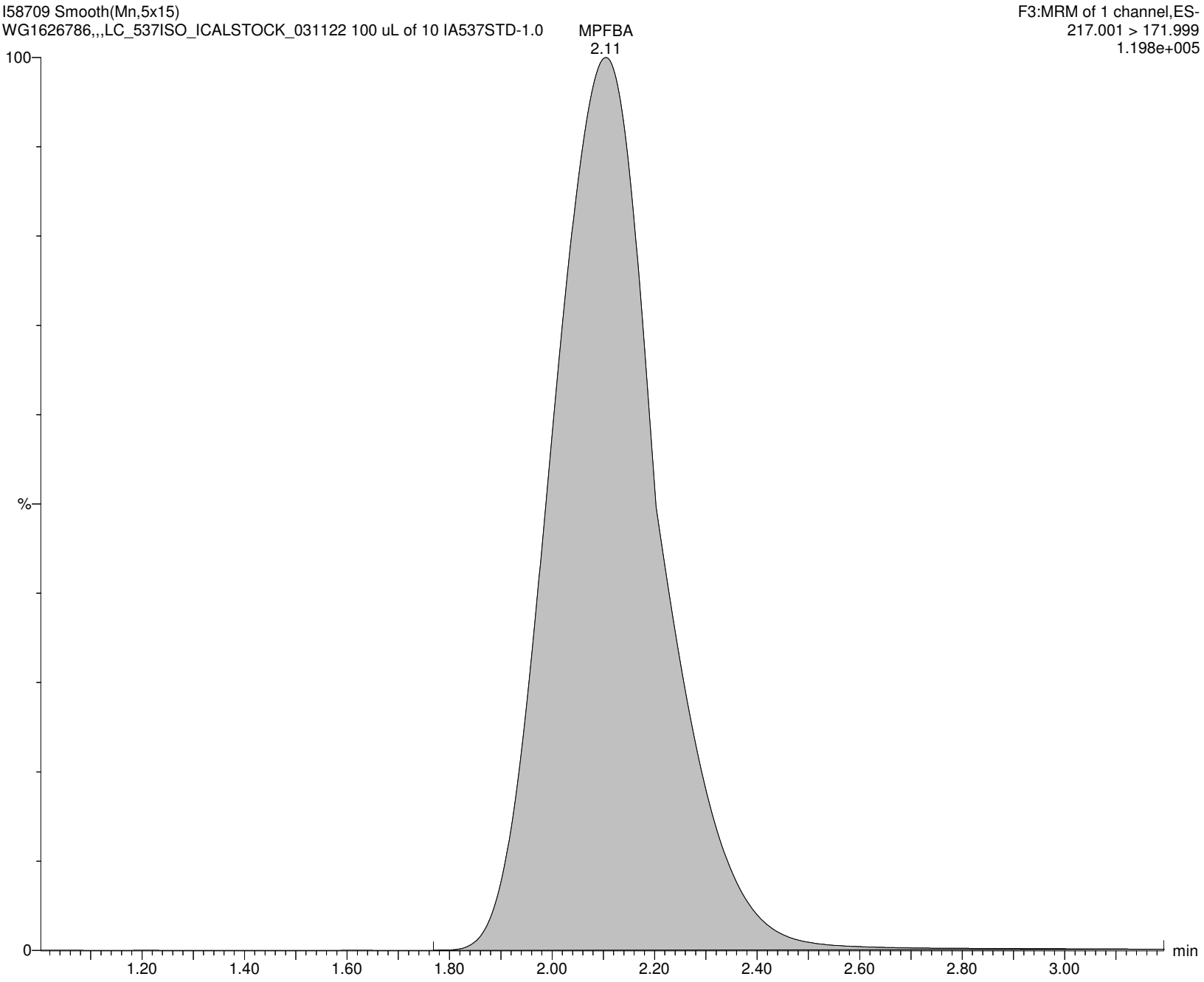


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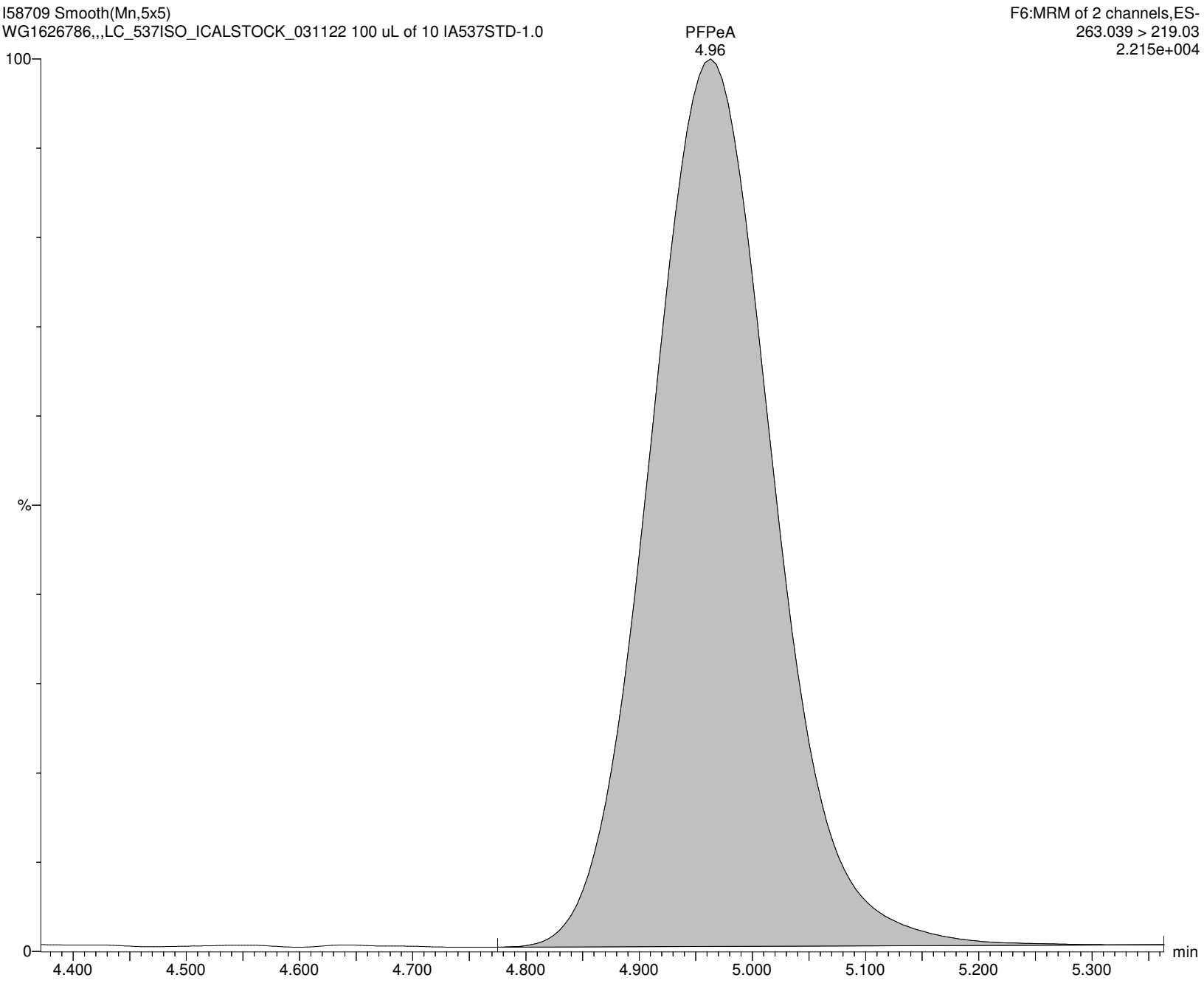


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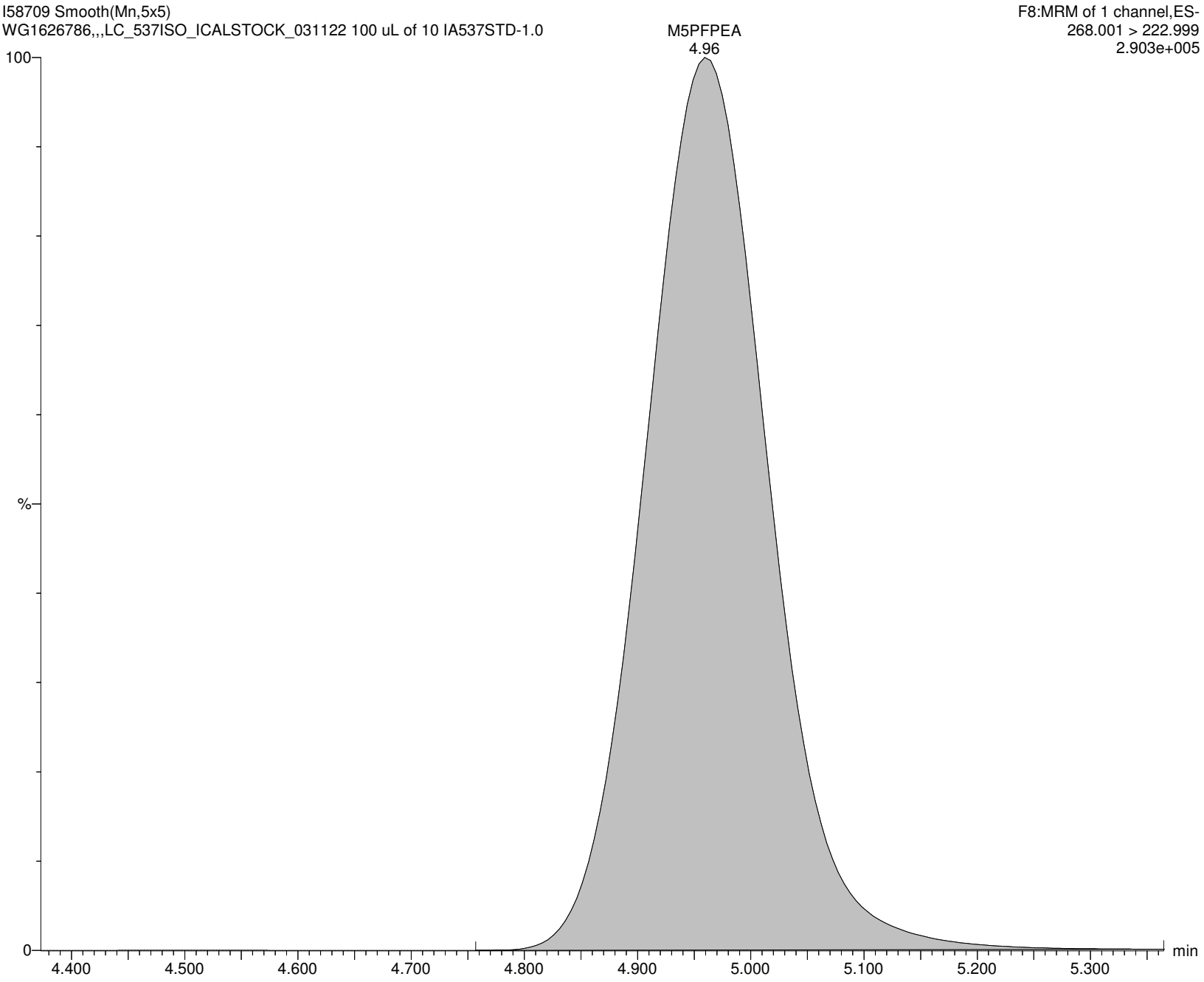


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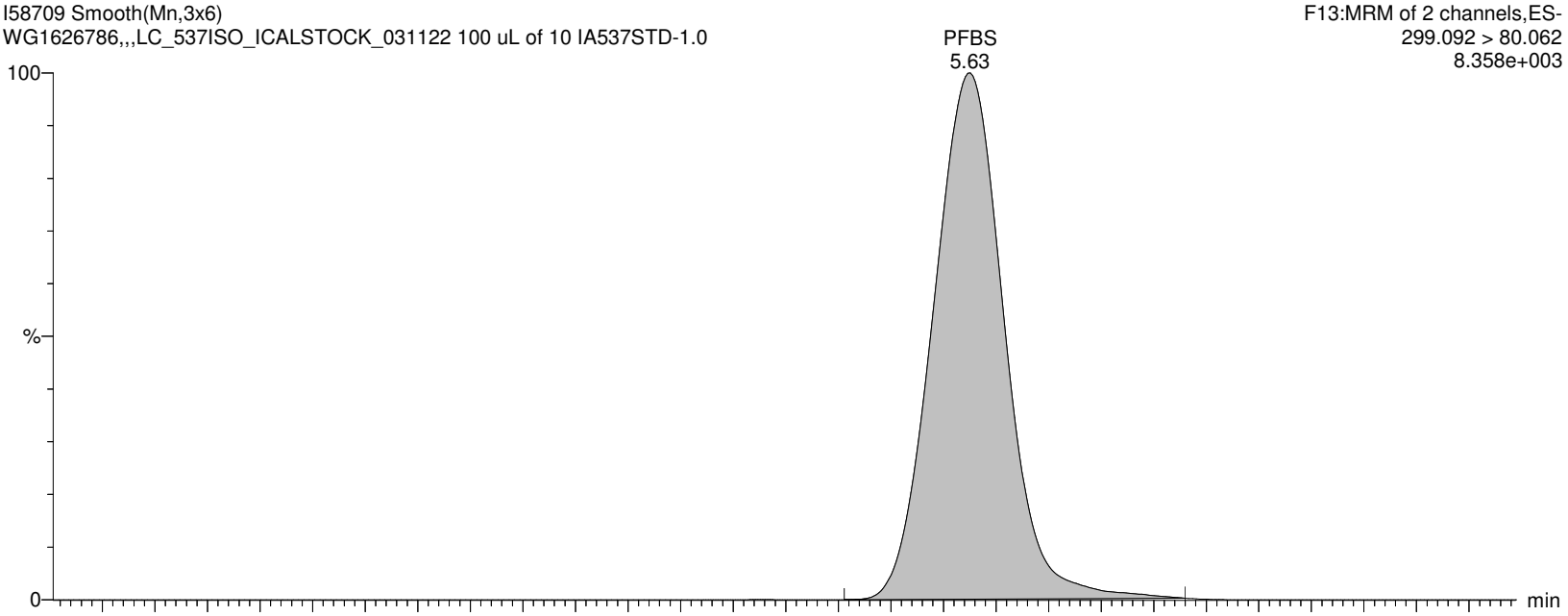


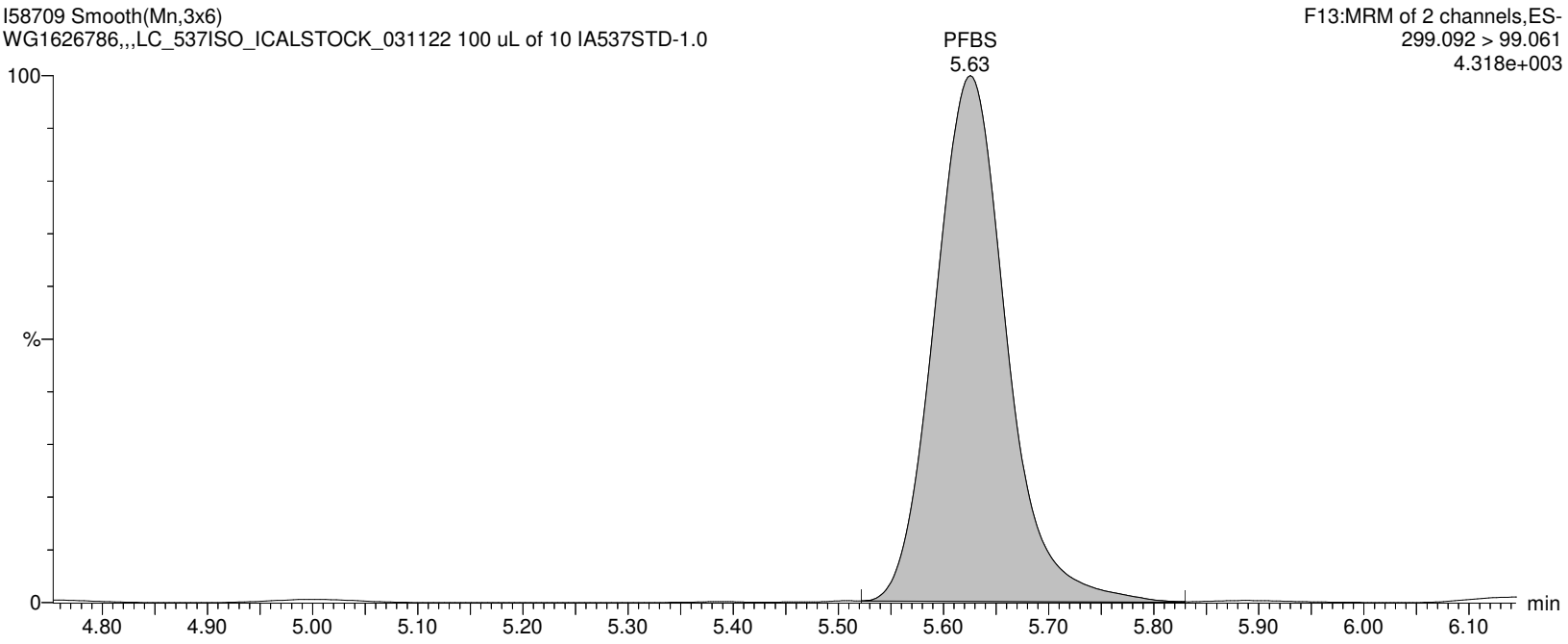
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PFBS



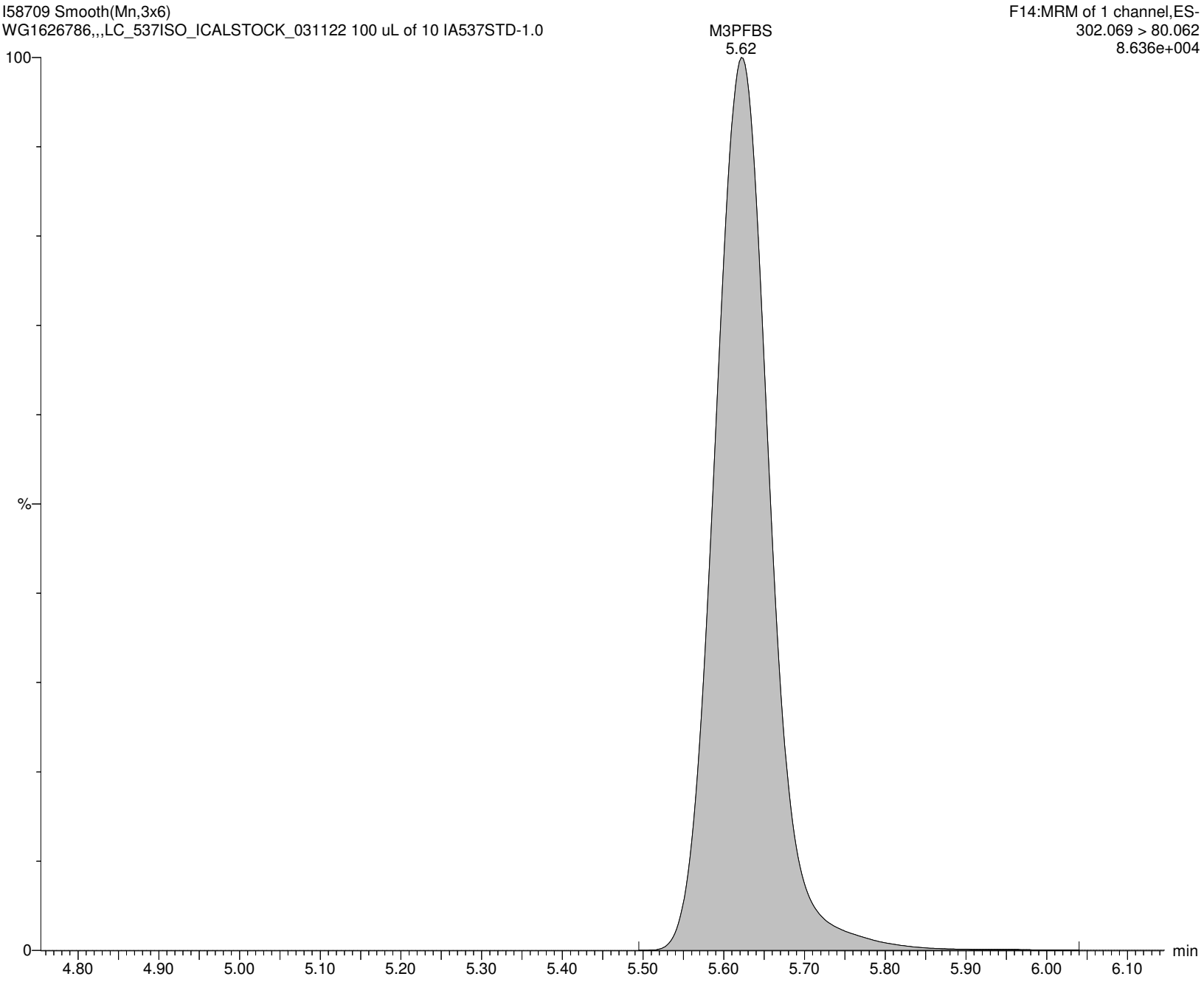


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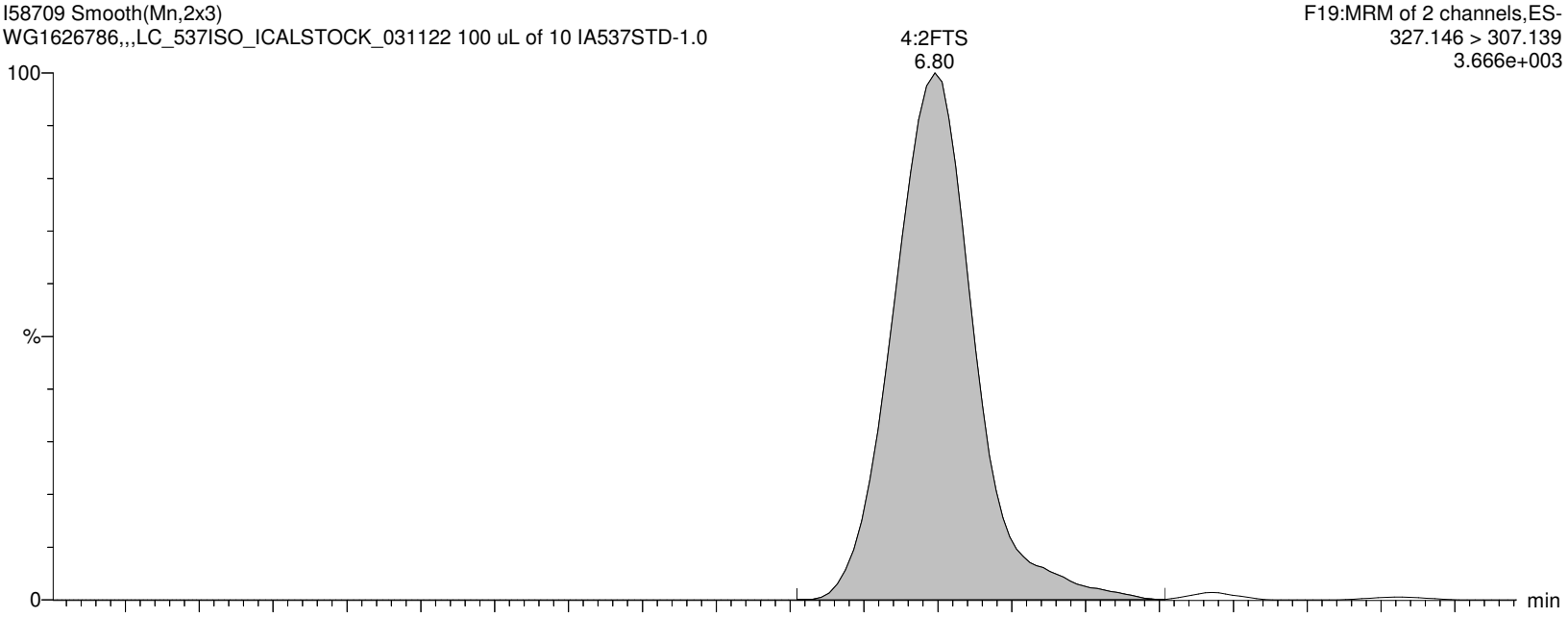


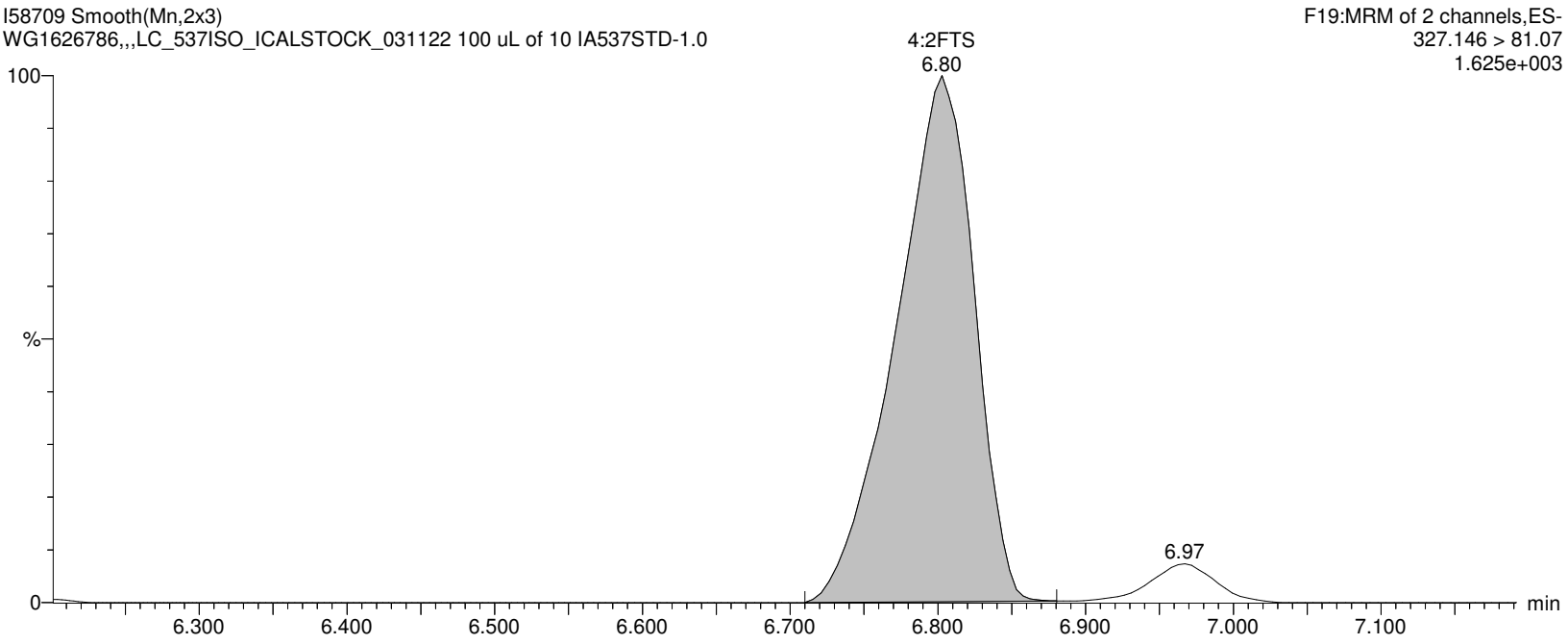
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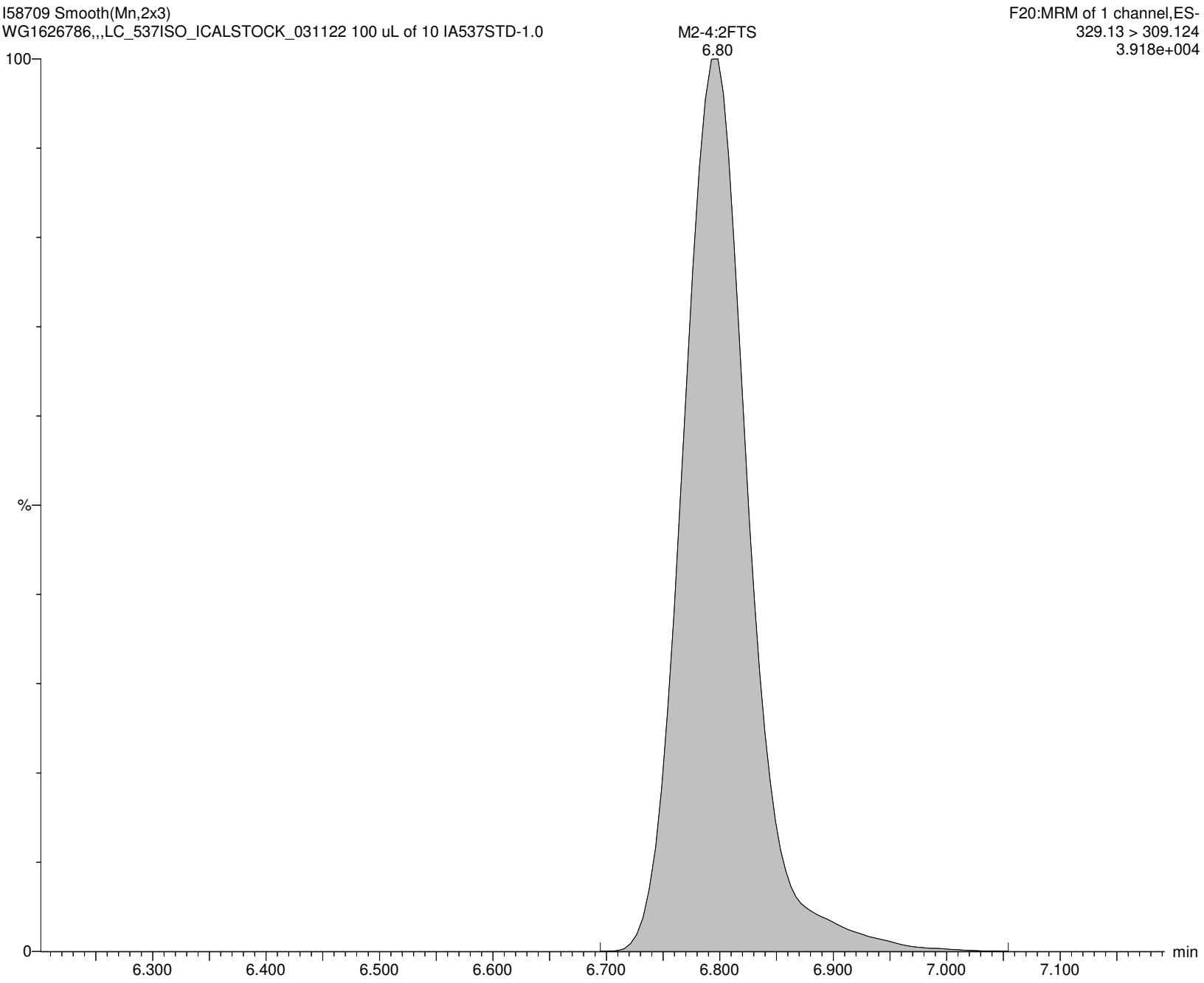


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M2-4:2FTS

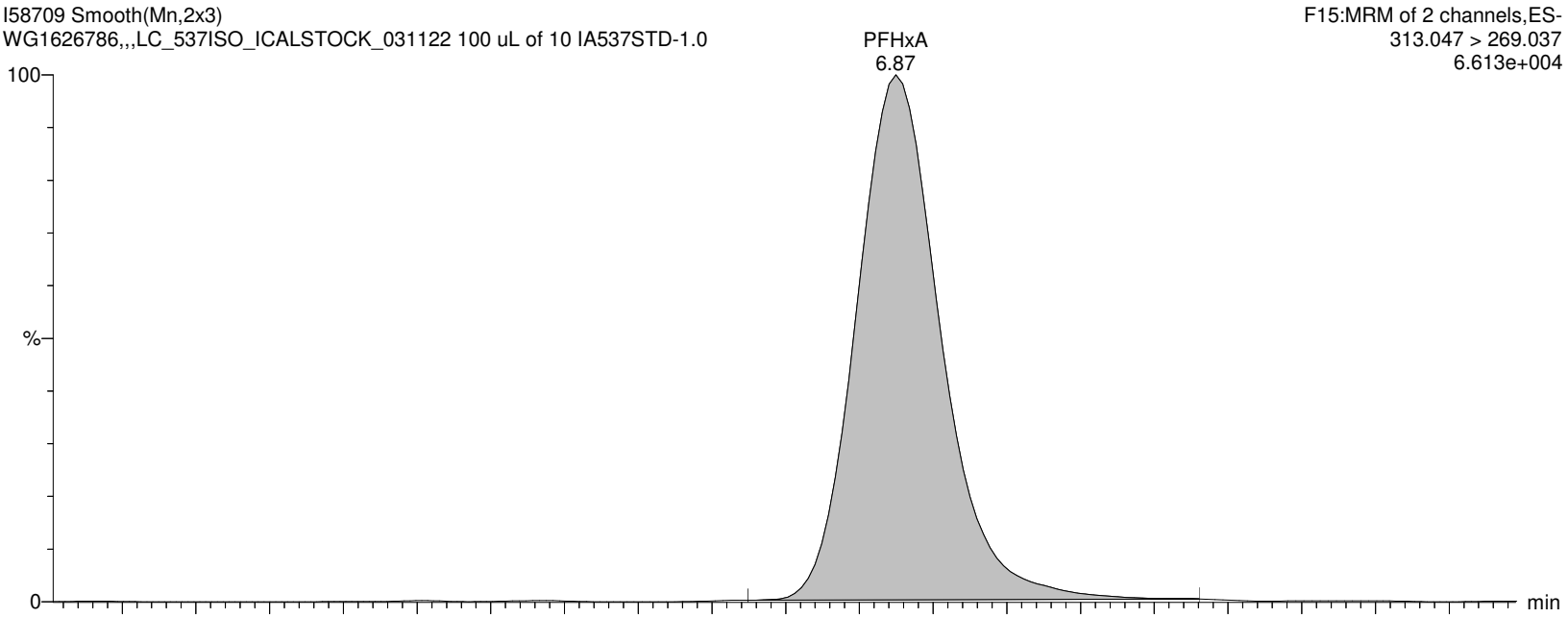


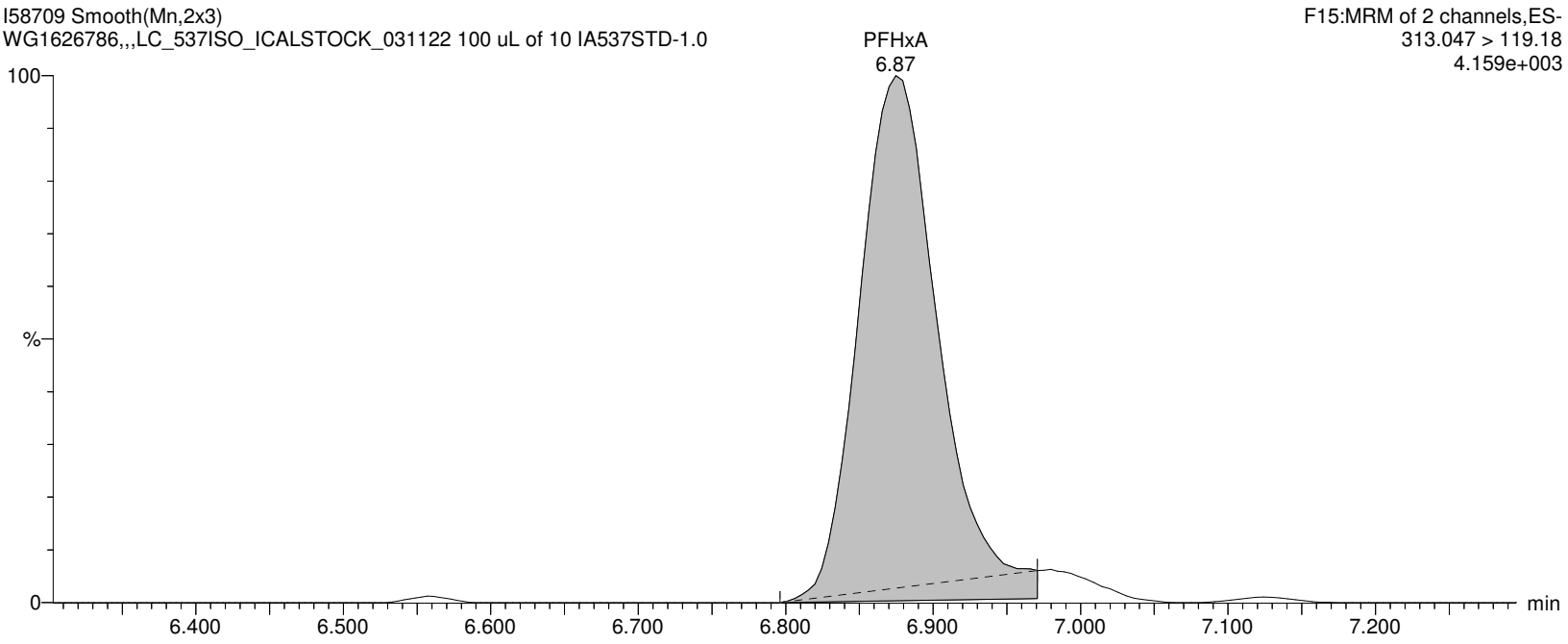
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PFHxA



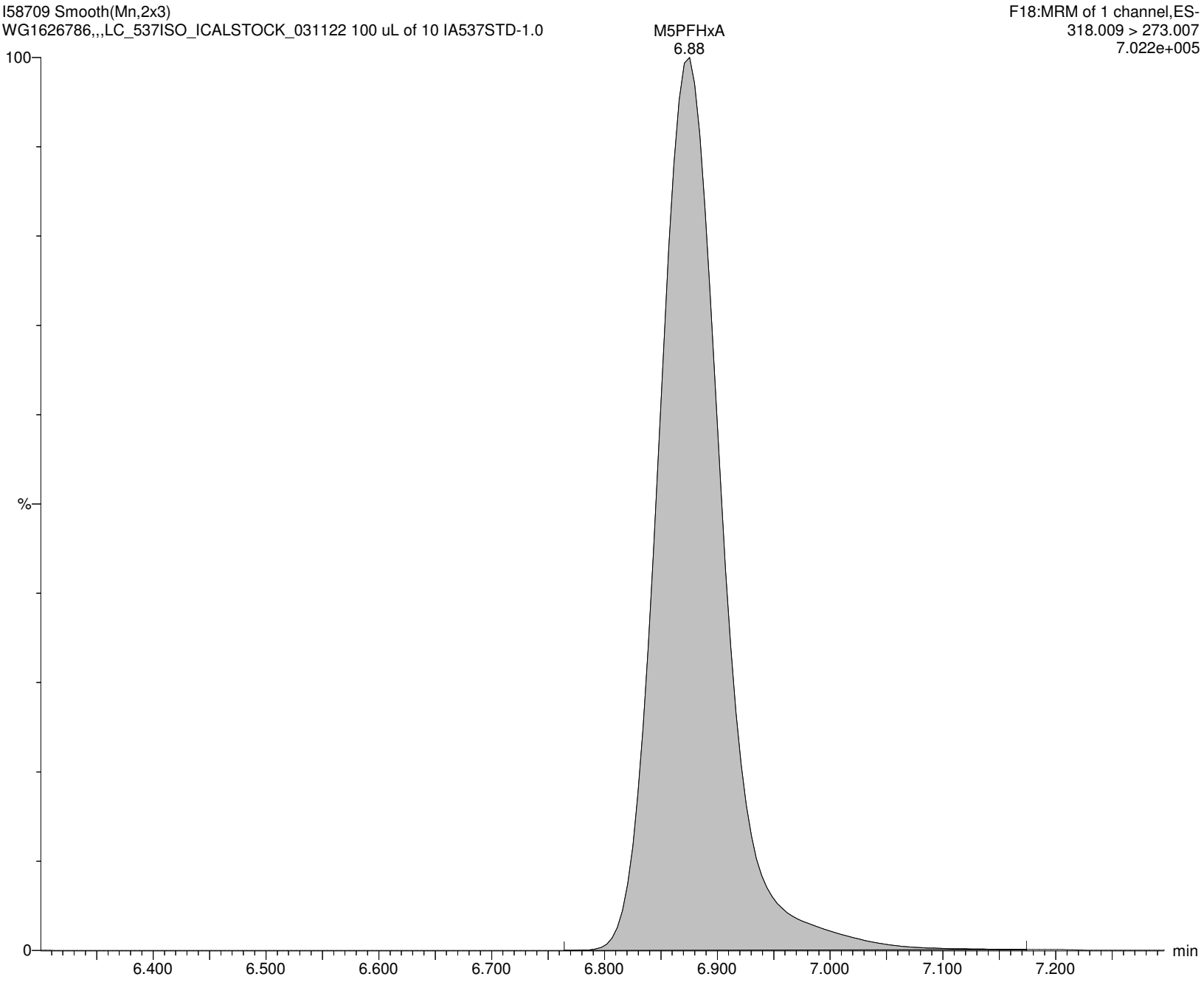


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Time: 16:33:12
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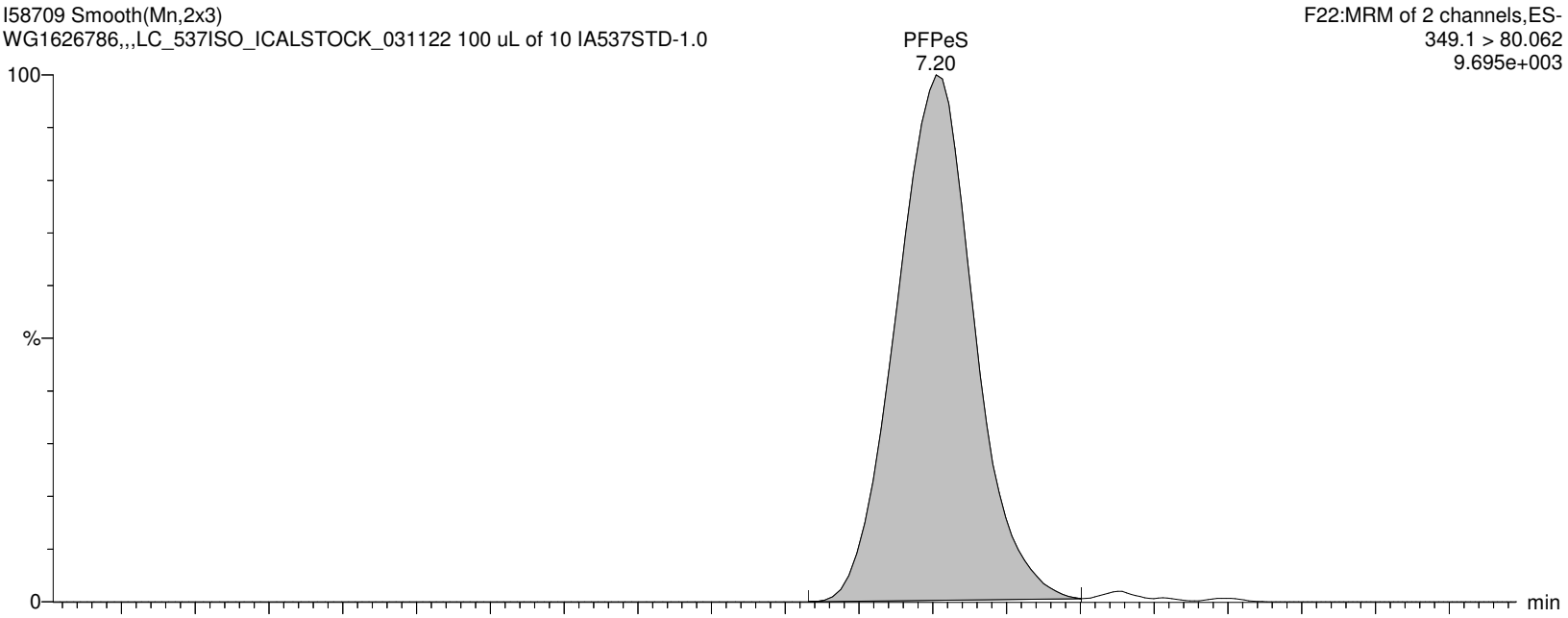


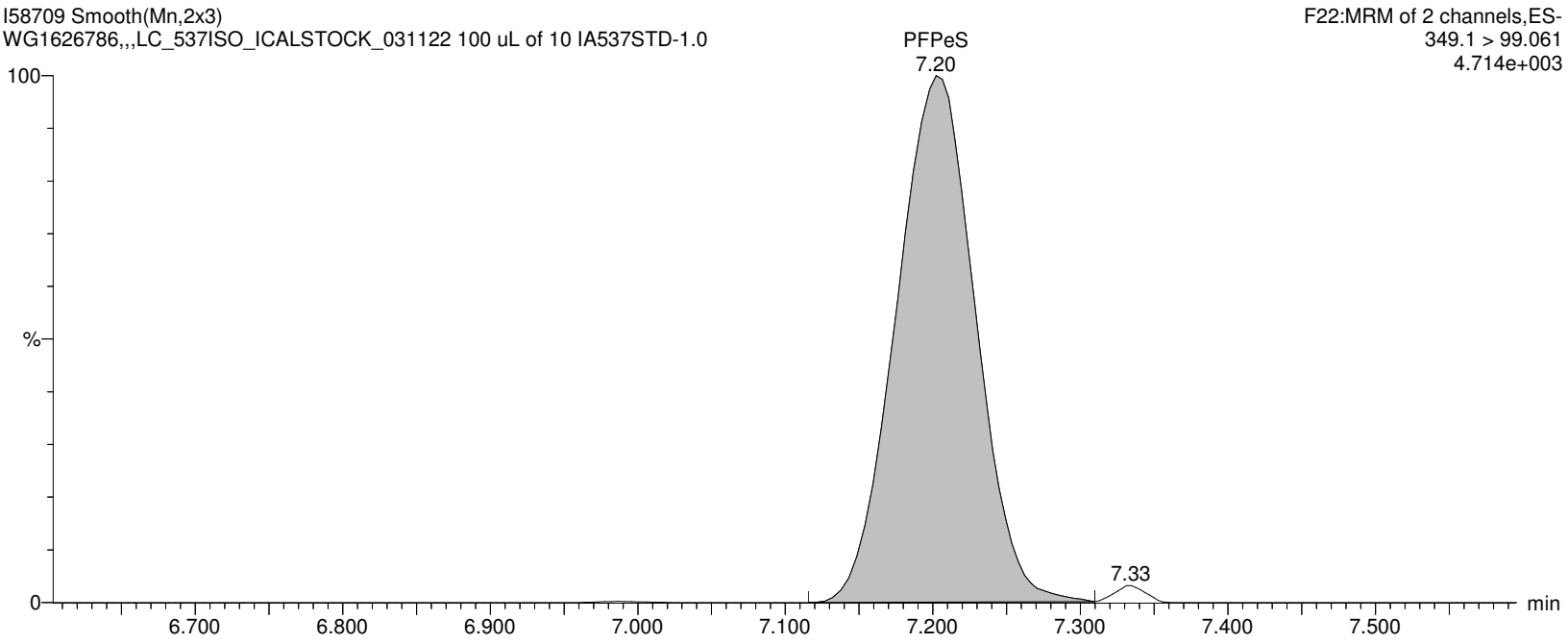
all concentration units in (ng/mL)

Alpha Analytical Inc.
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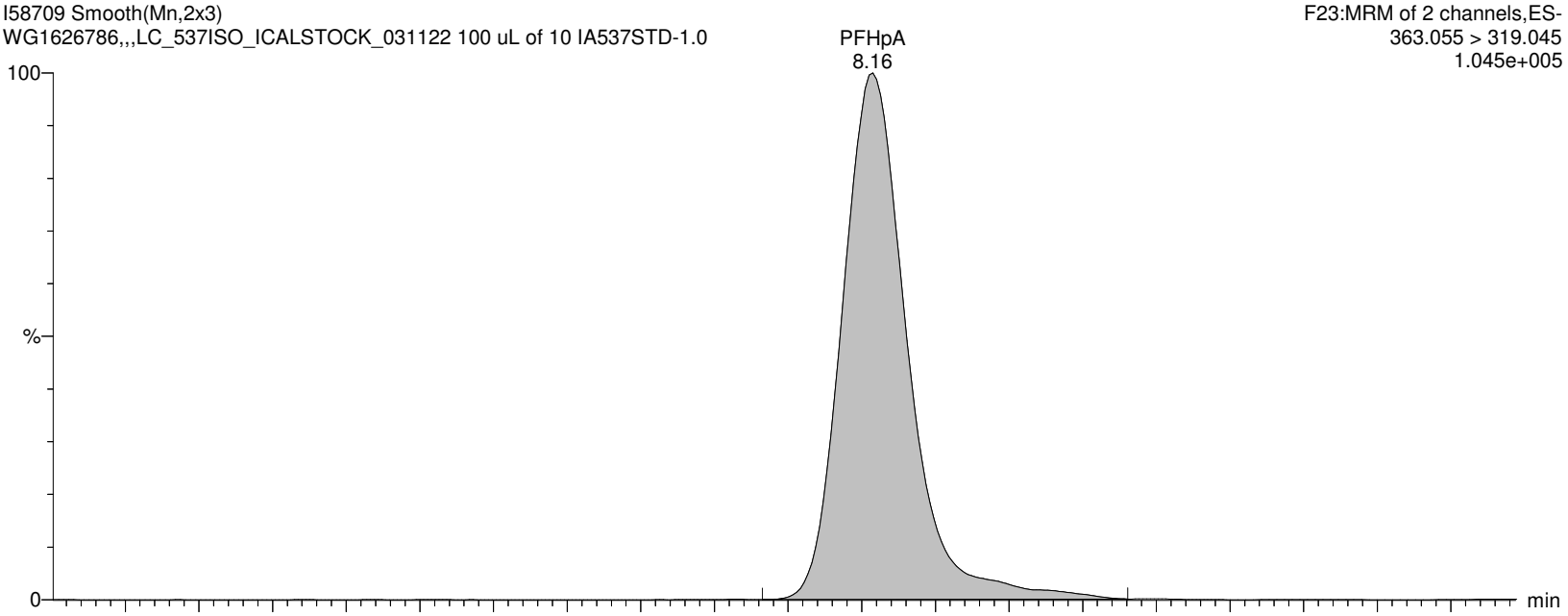


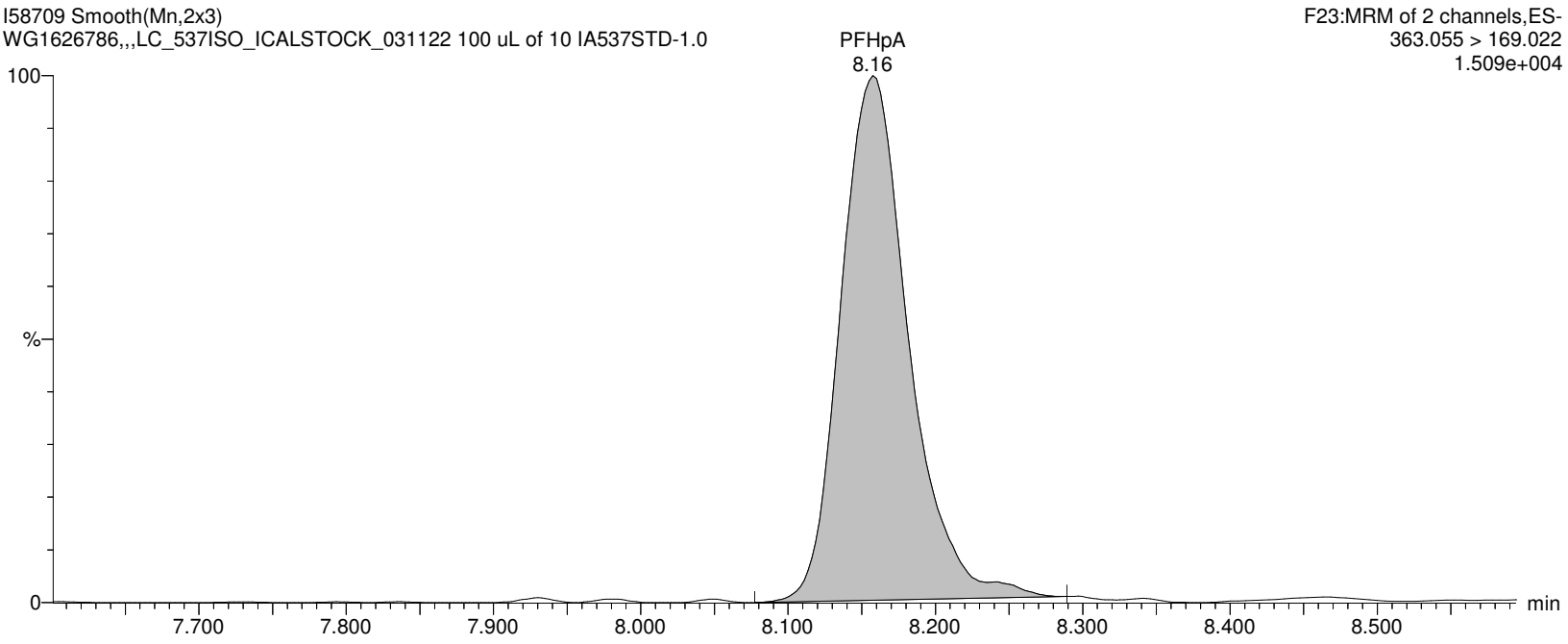
all concentration units in (ng/mL)

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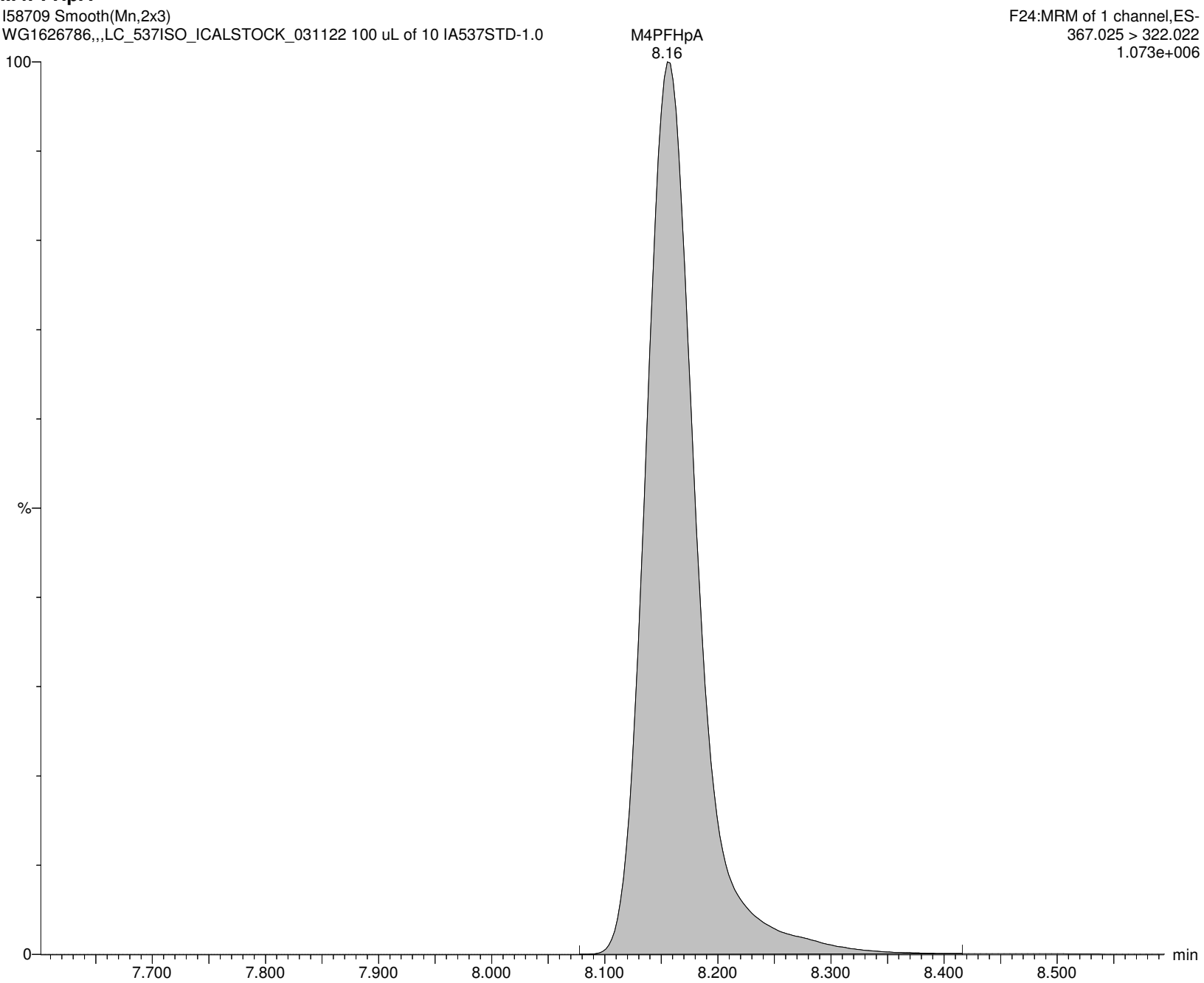


all concentration units in (ng/mL)

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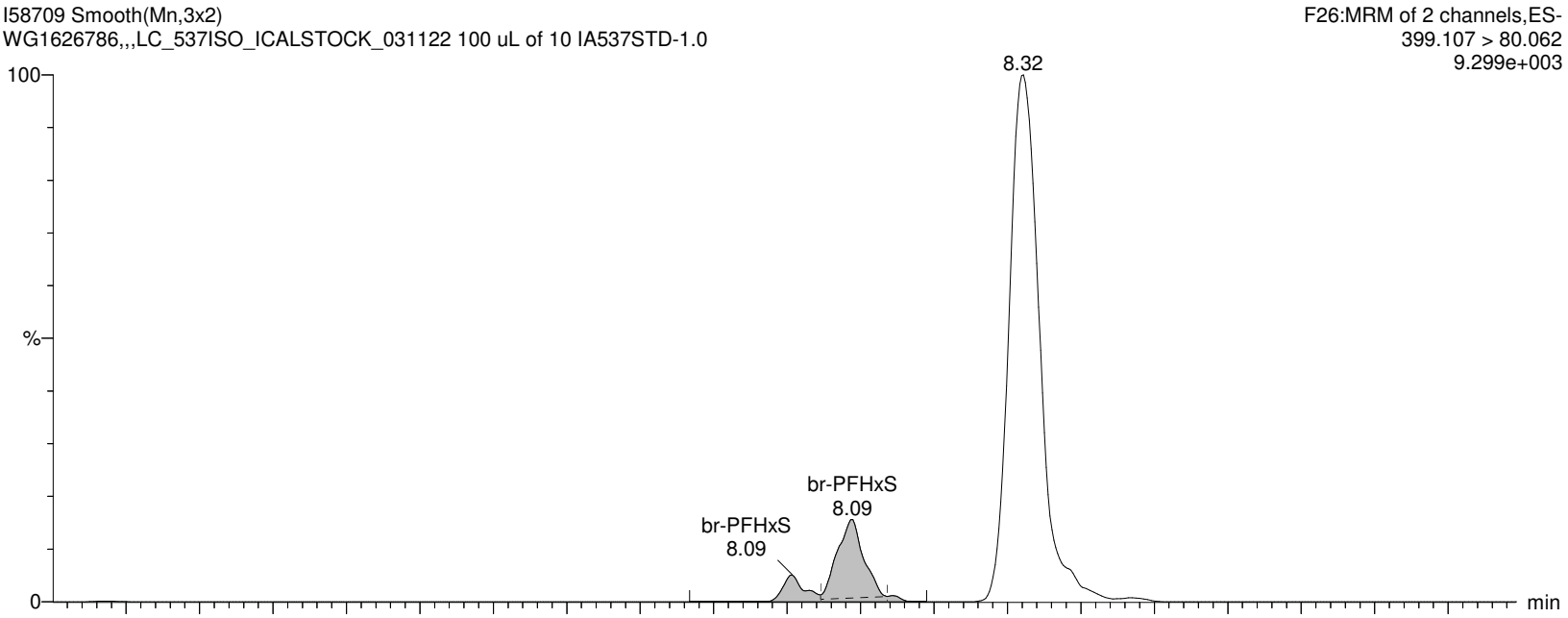


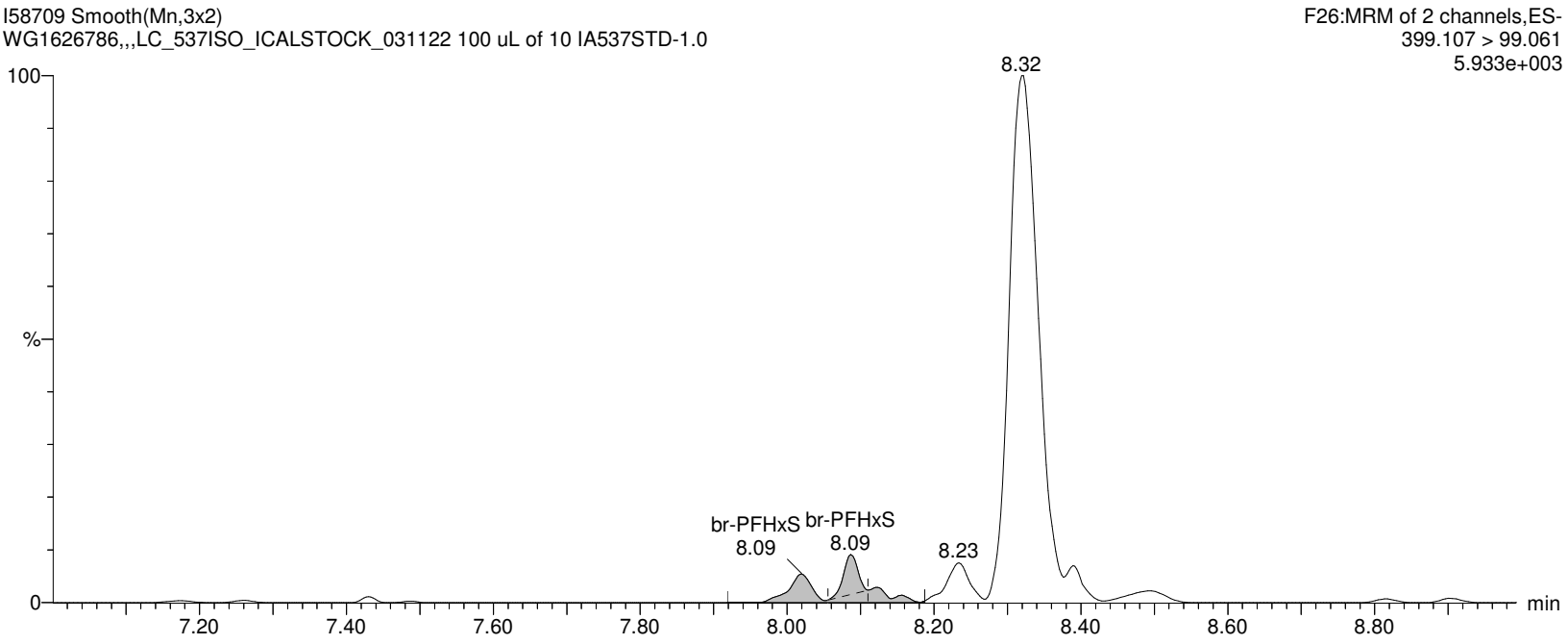
all concentration units in (ng/mL)

Alpha Analytical Inc.
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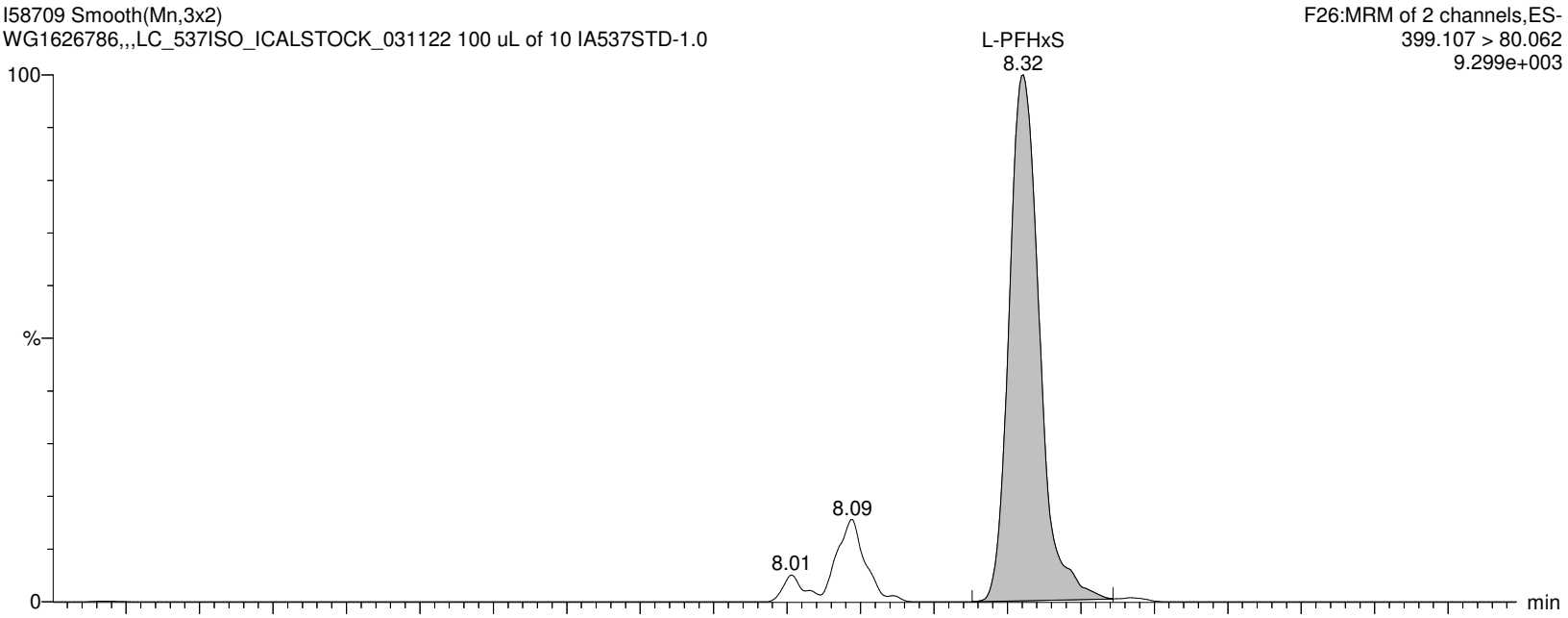


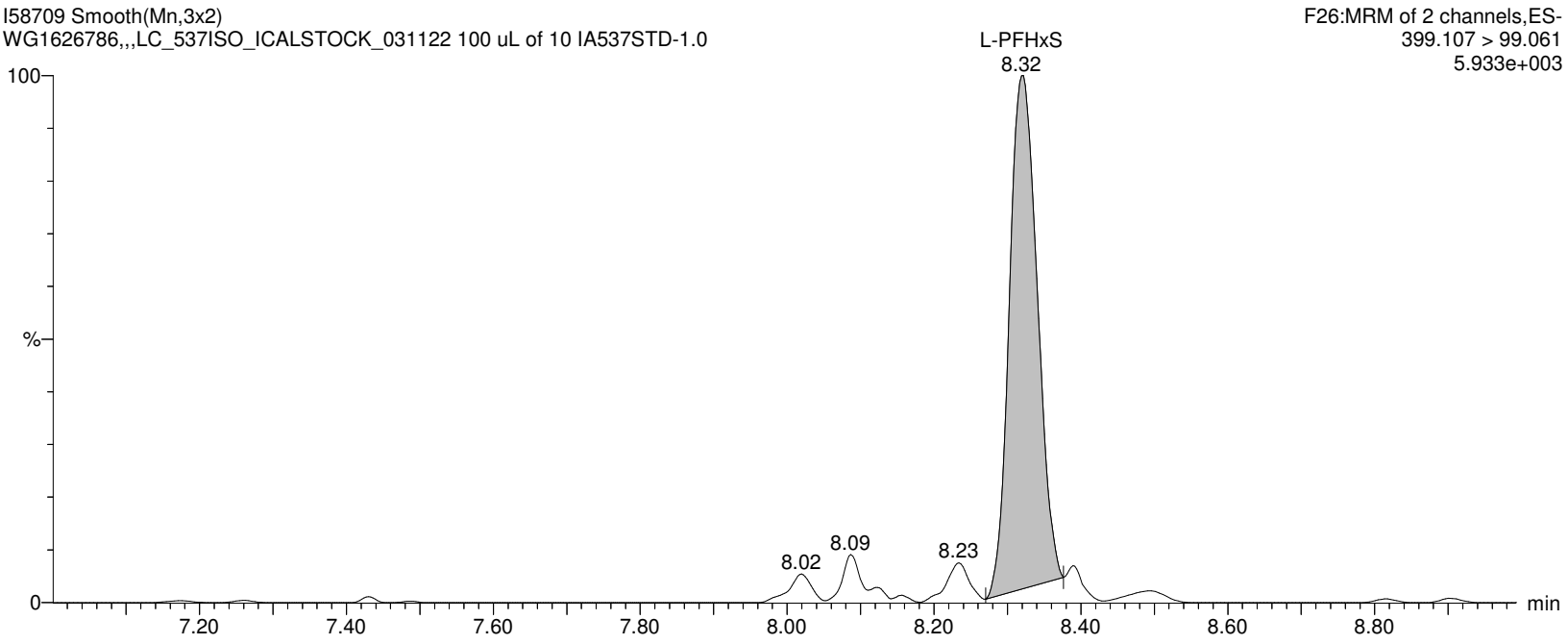
all concentration units in (ng/mL)

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L-PFHxS



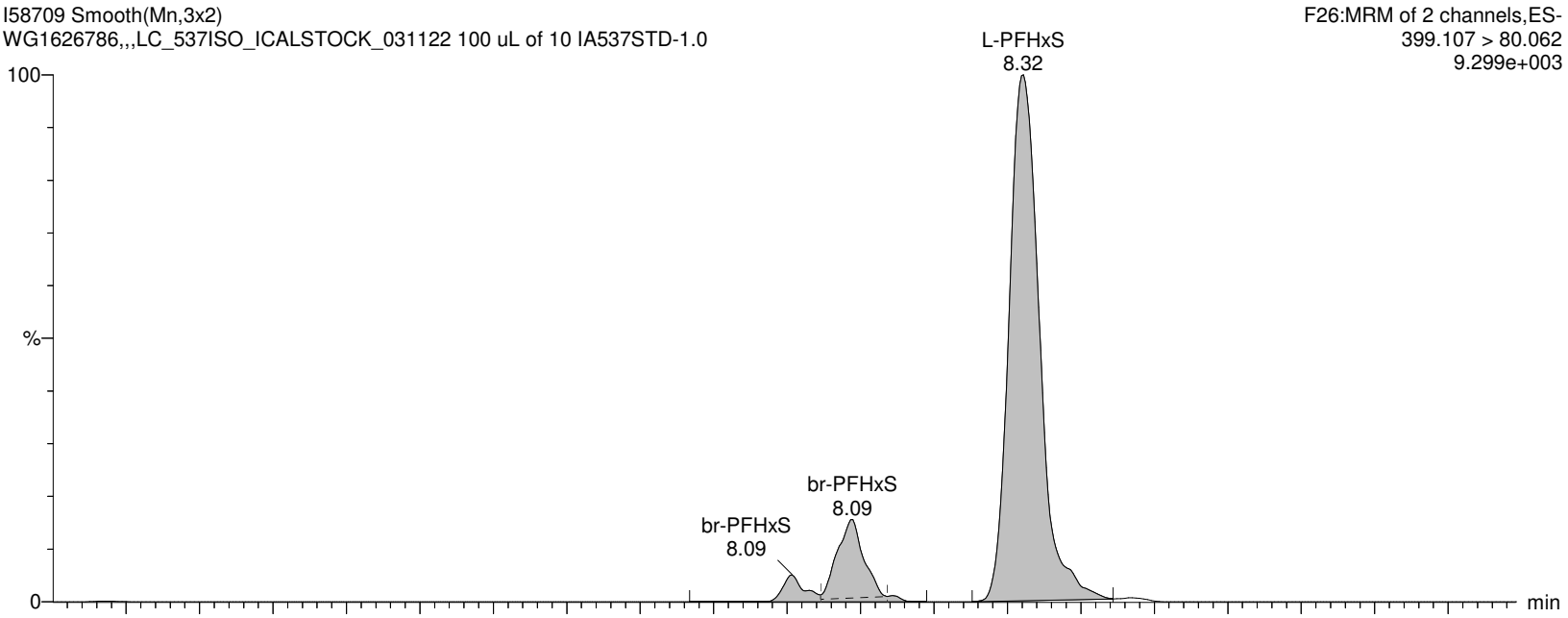


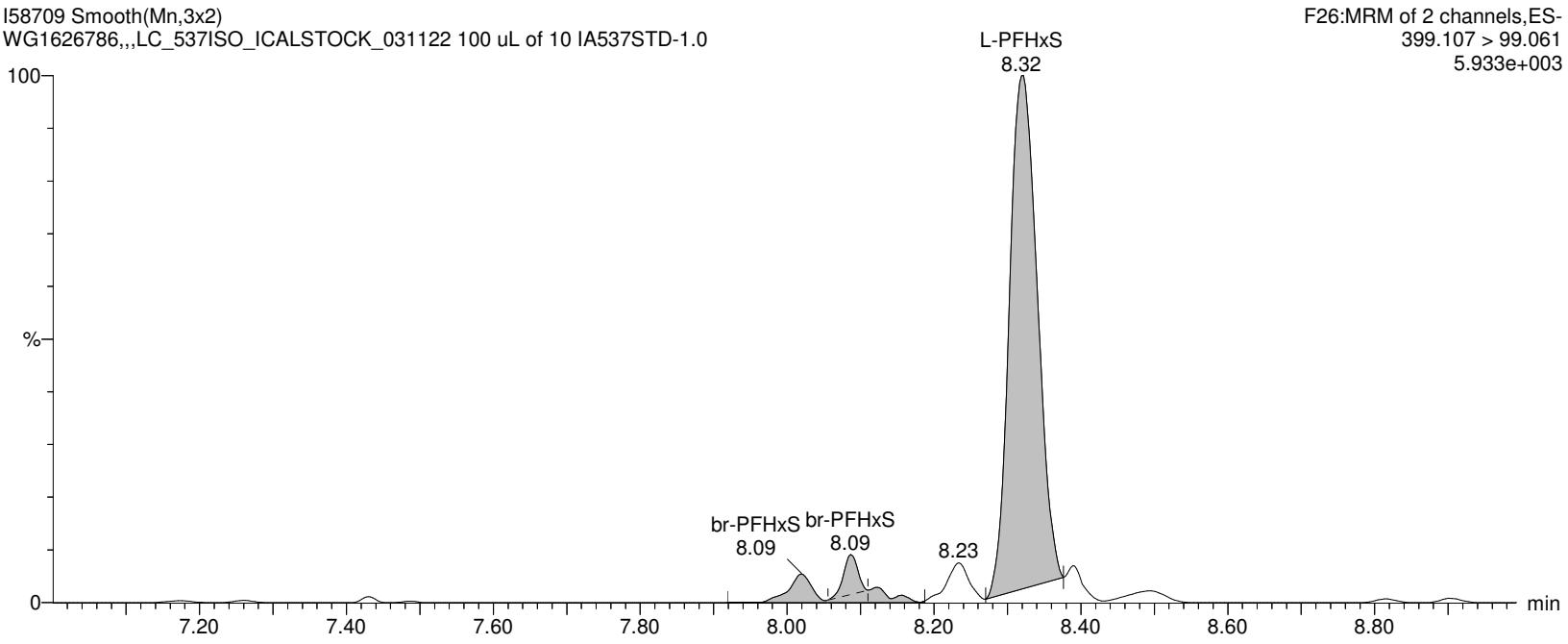
all concentration units in (ng/mL)

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PFHxS



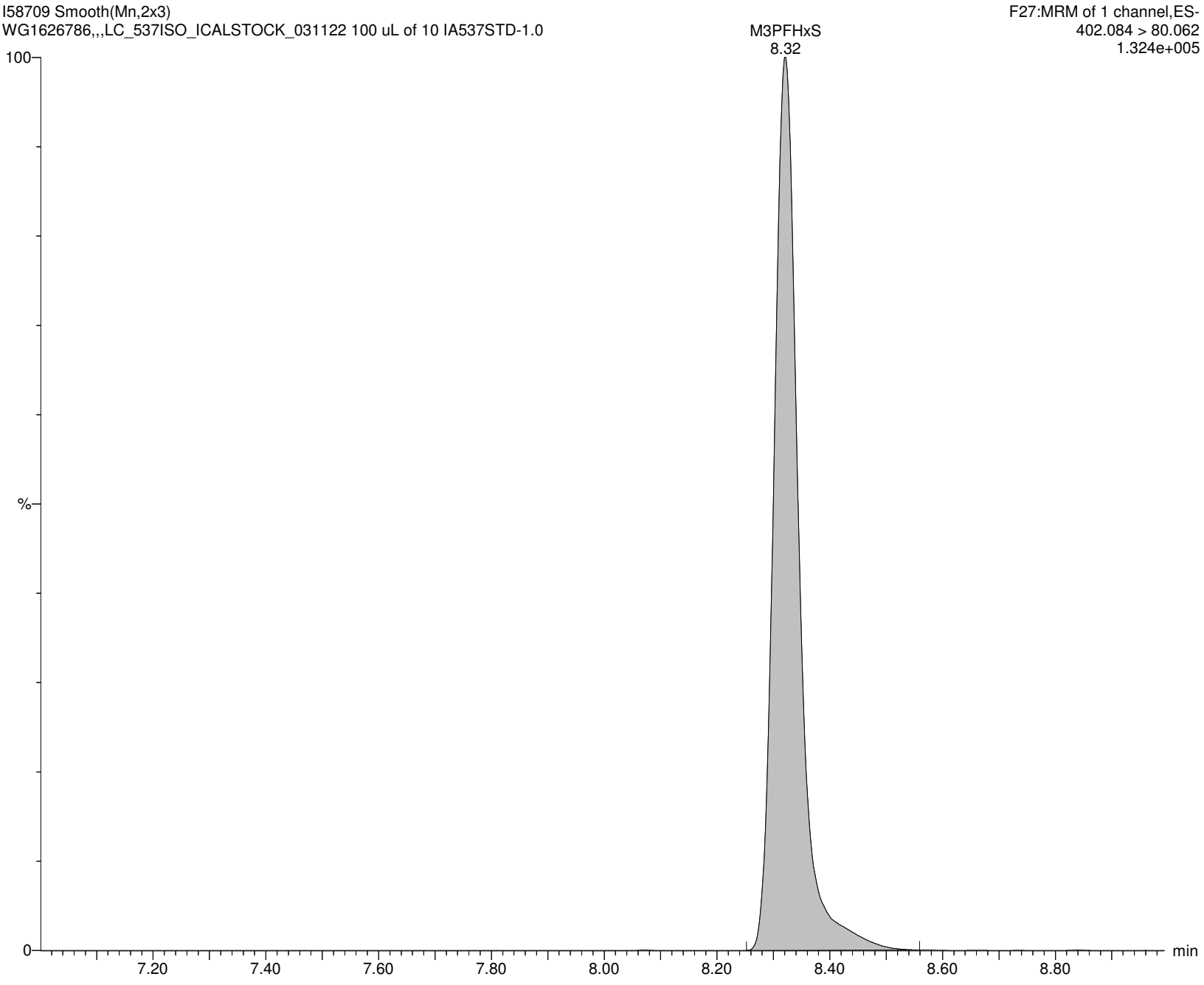


all concentration units in (ng/mL)

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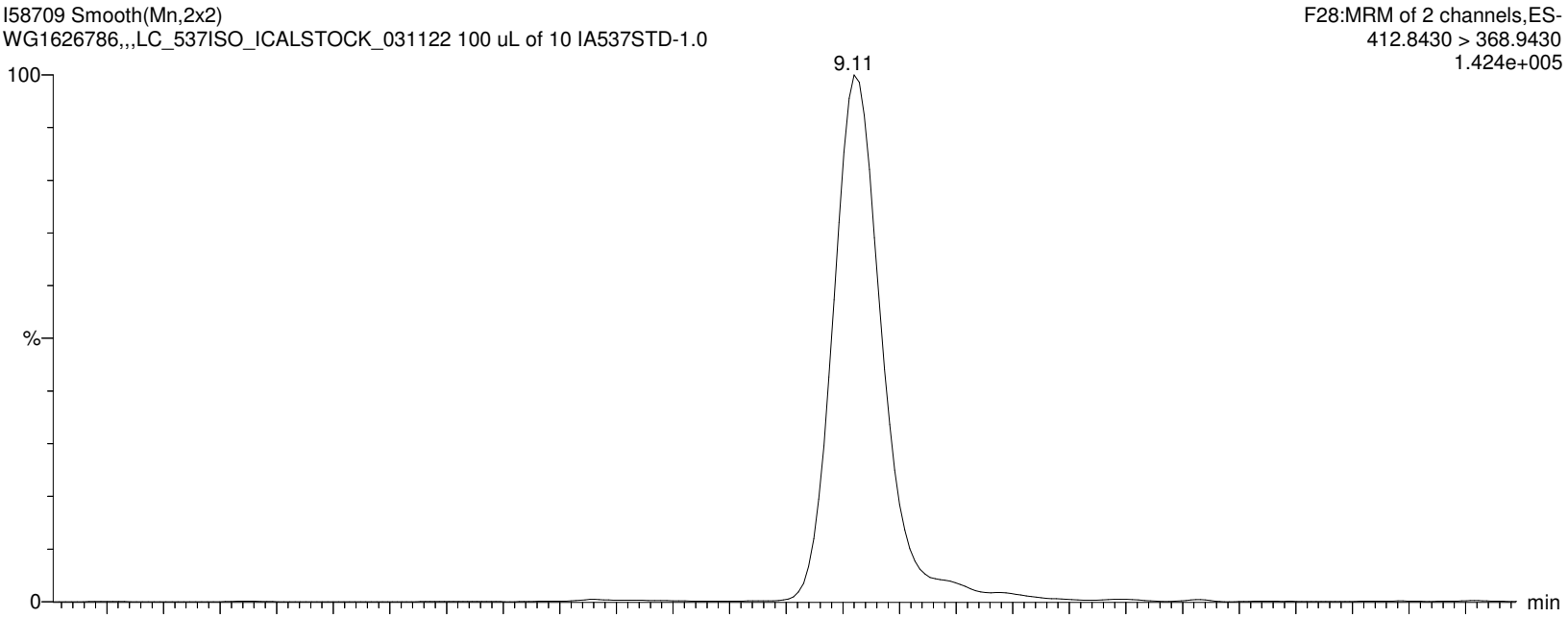


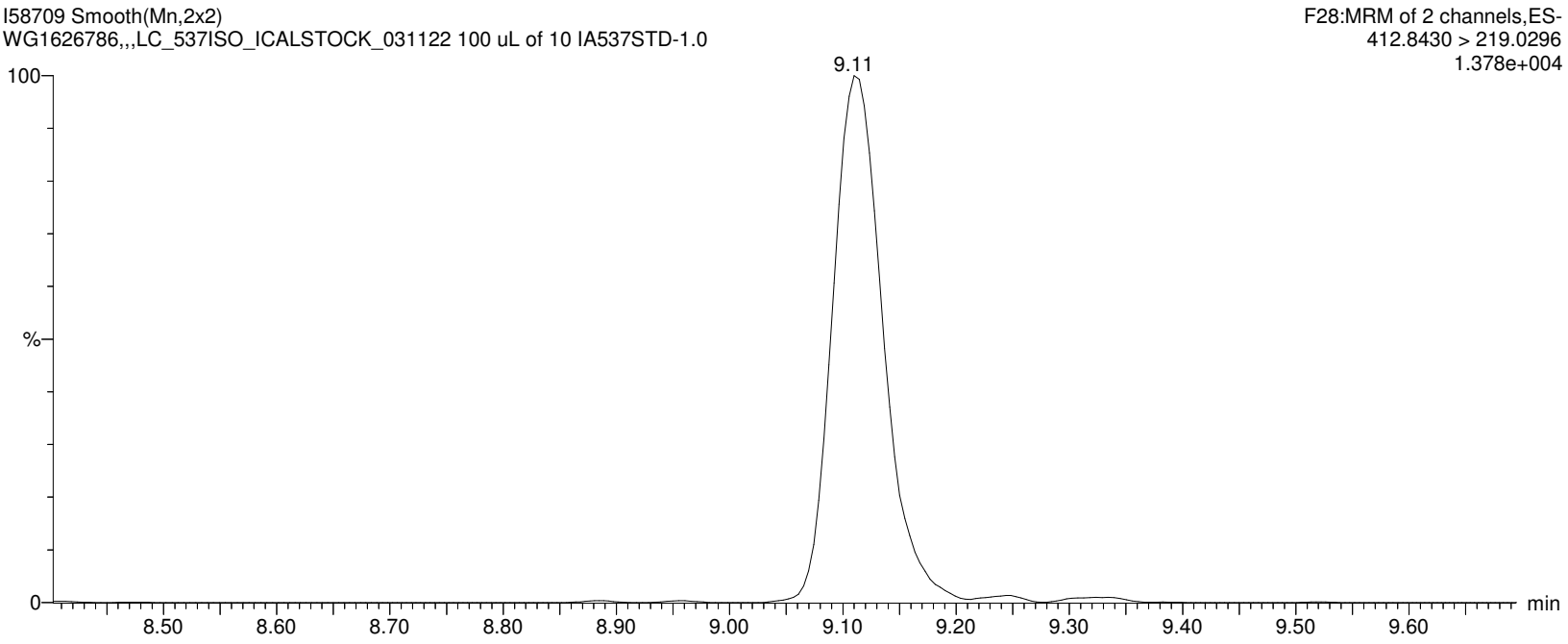
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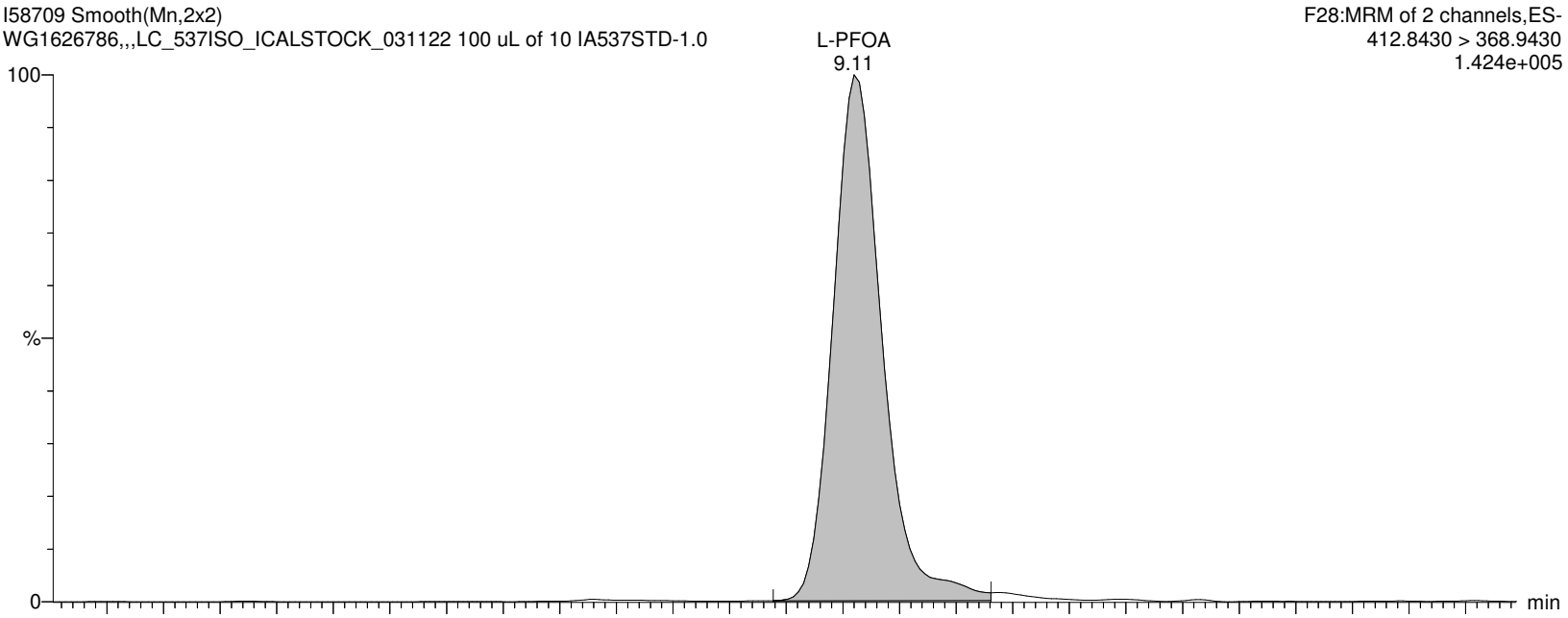


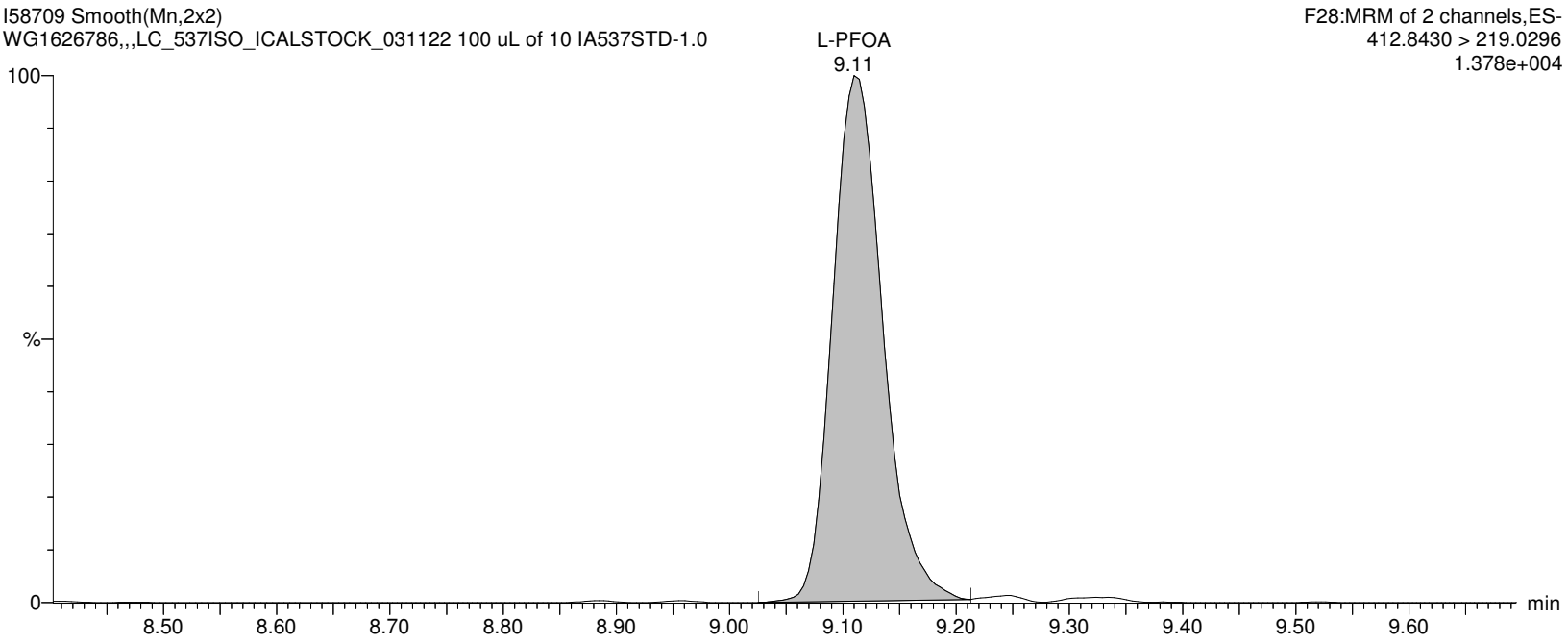
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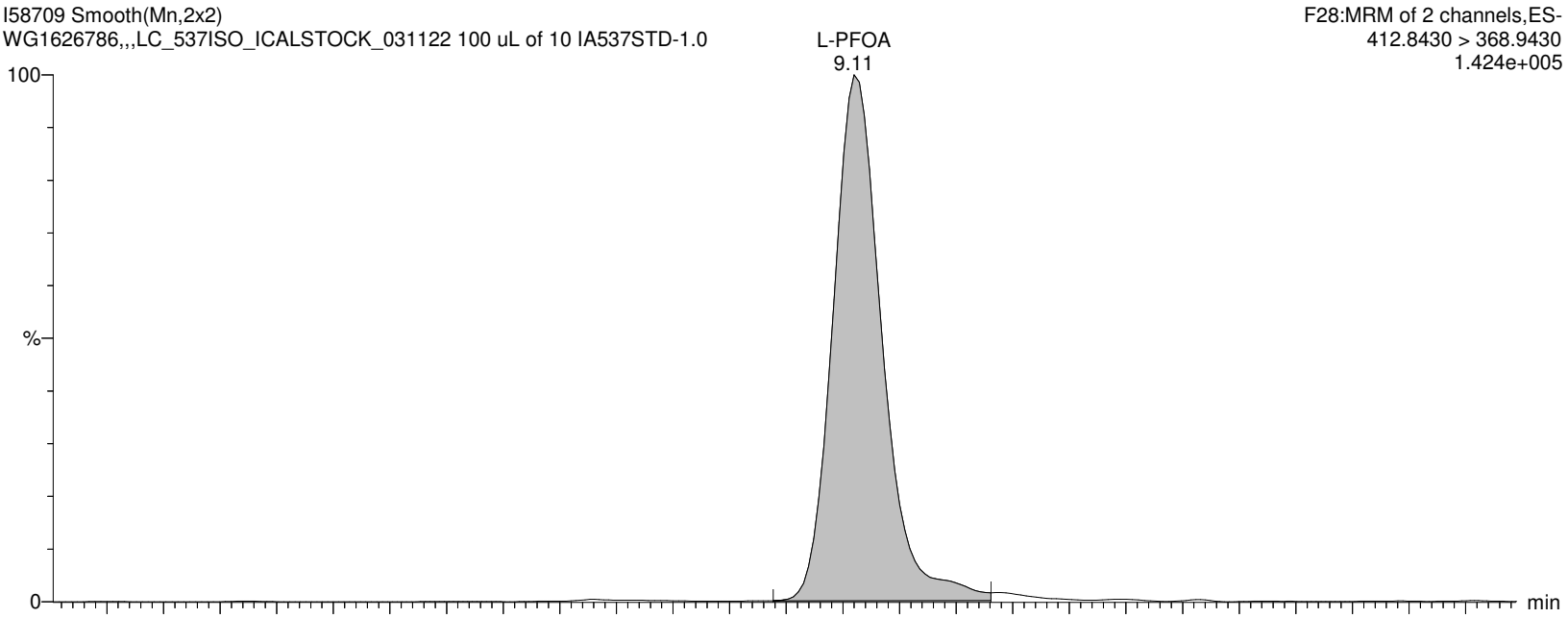


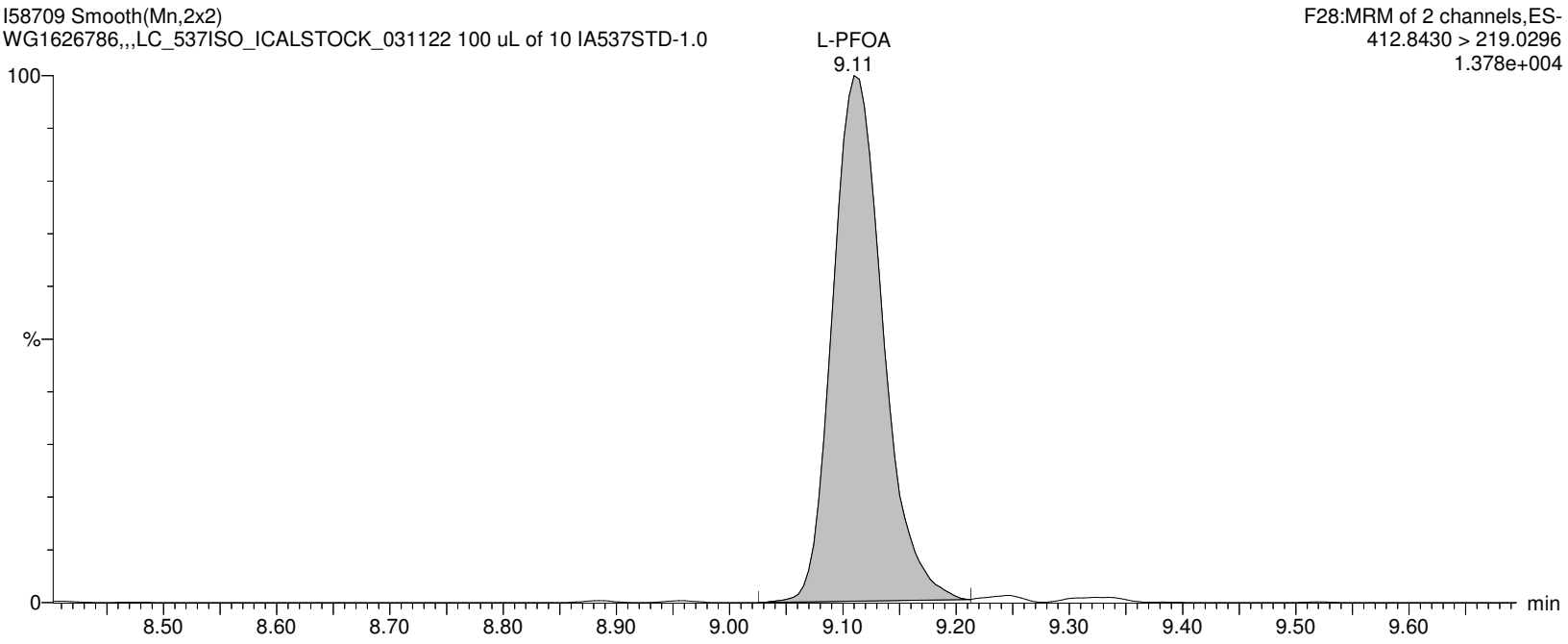
all concentration units in (ng/mL)

Alpha Analytical Inc.
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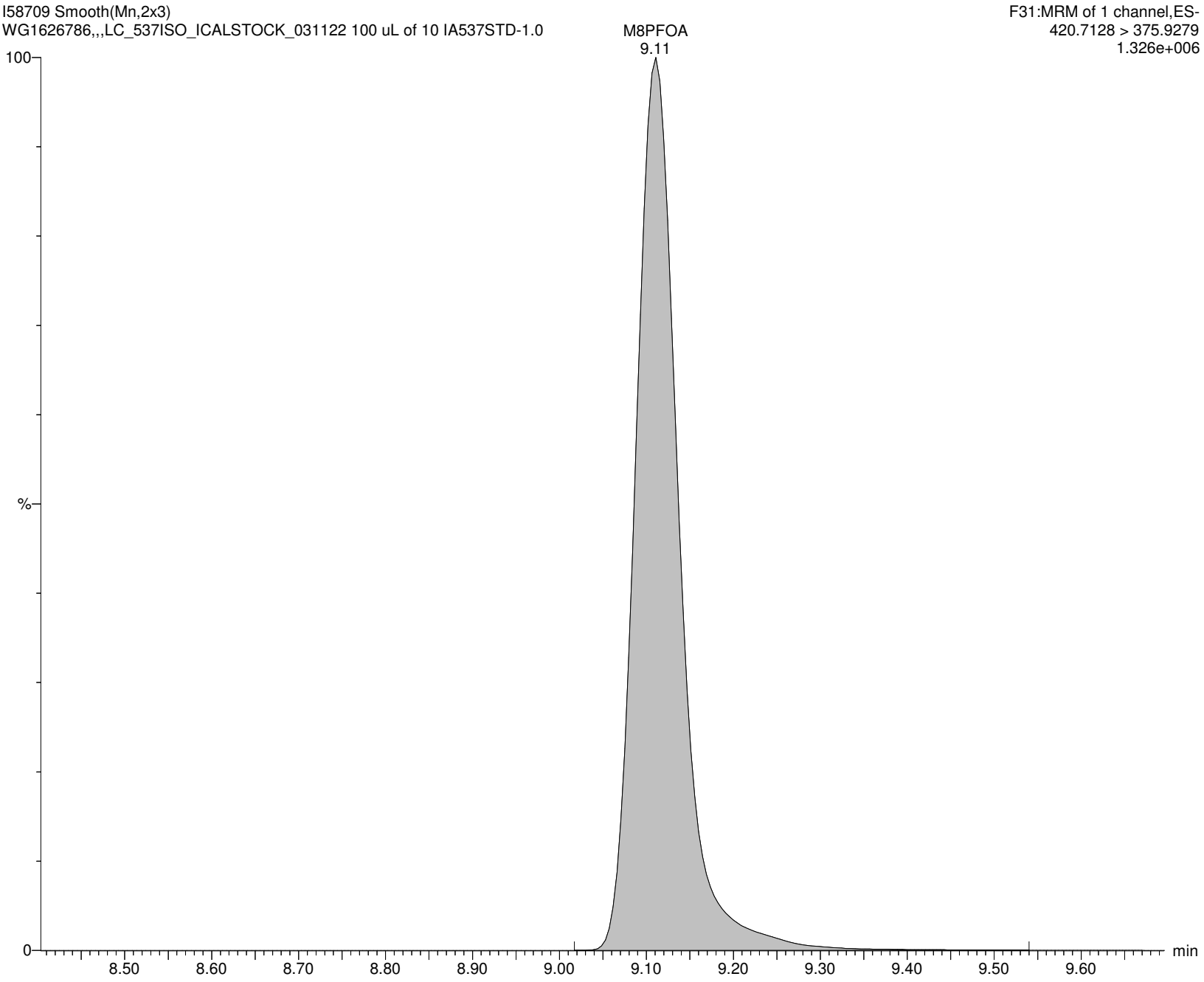


all concentration units in (ng/mL)

Alpha Analytical Inc.
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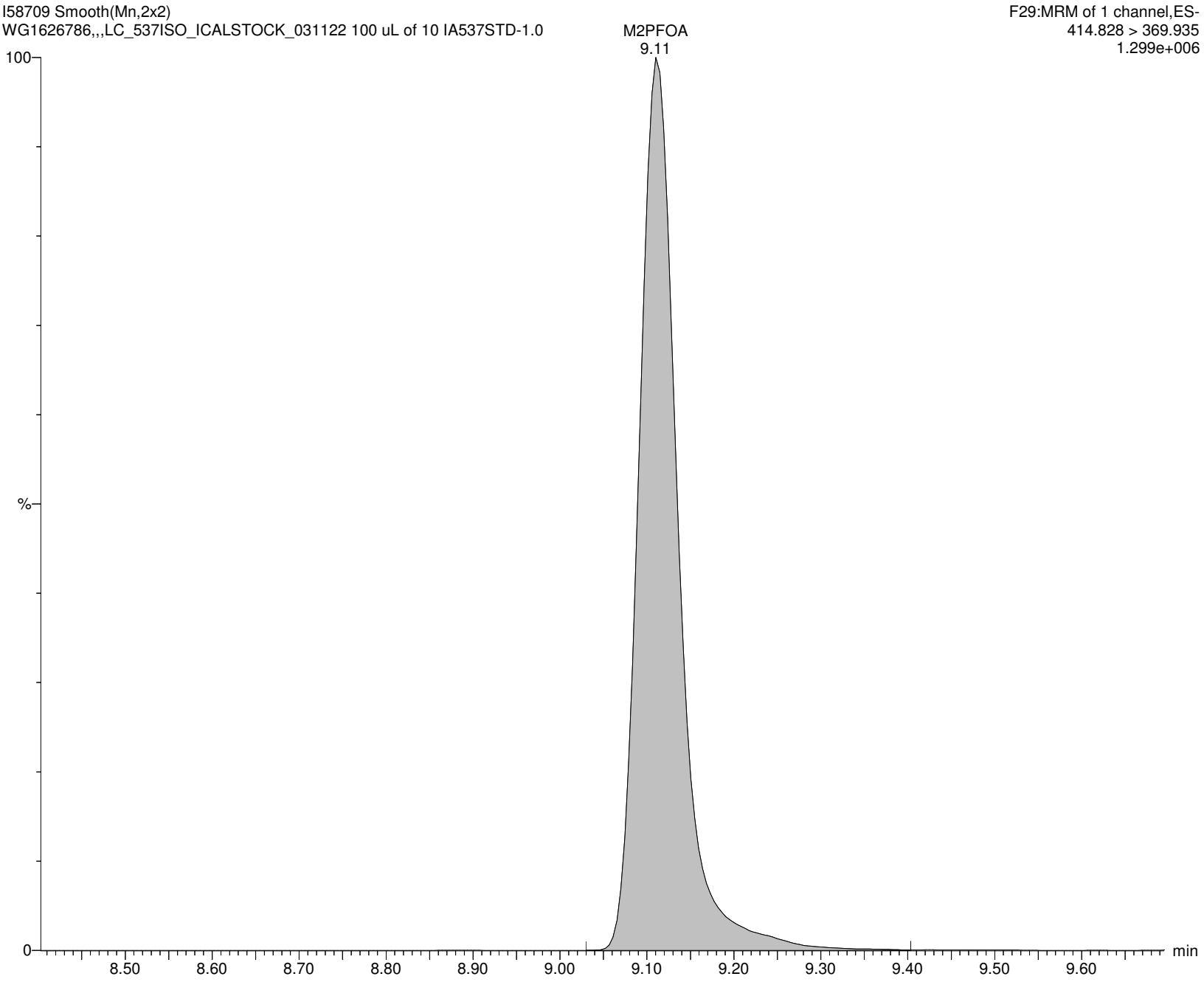


all concentration units in (ng/mL)

Alpha Analytical Inc.
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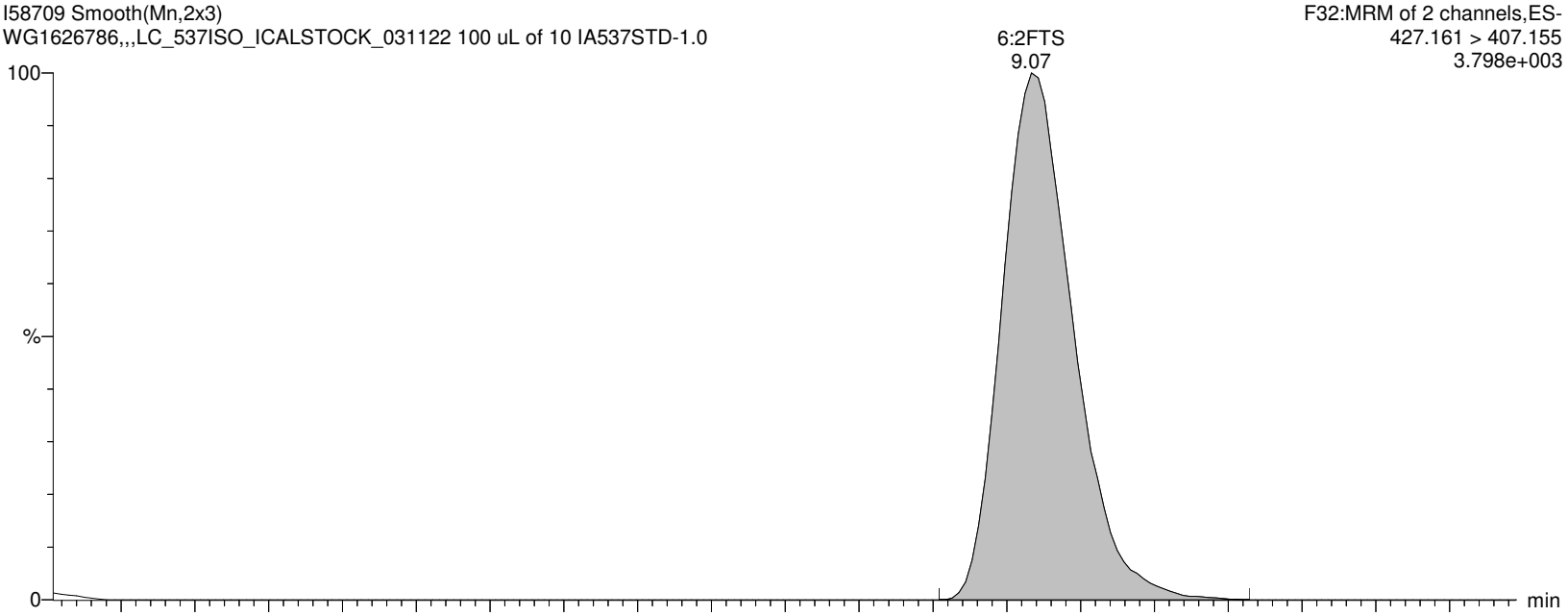


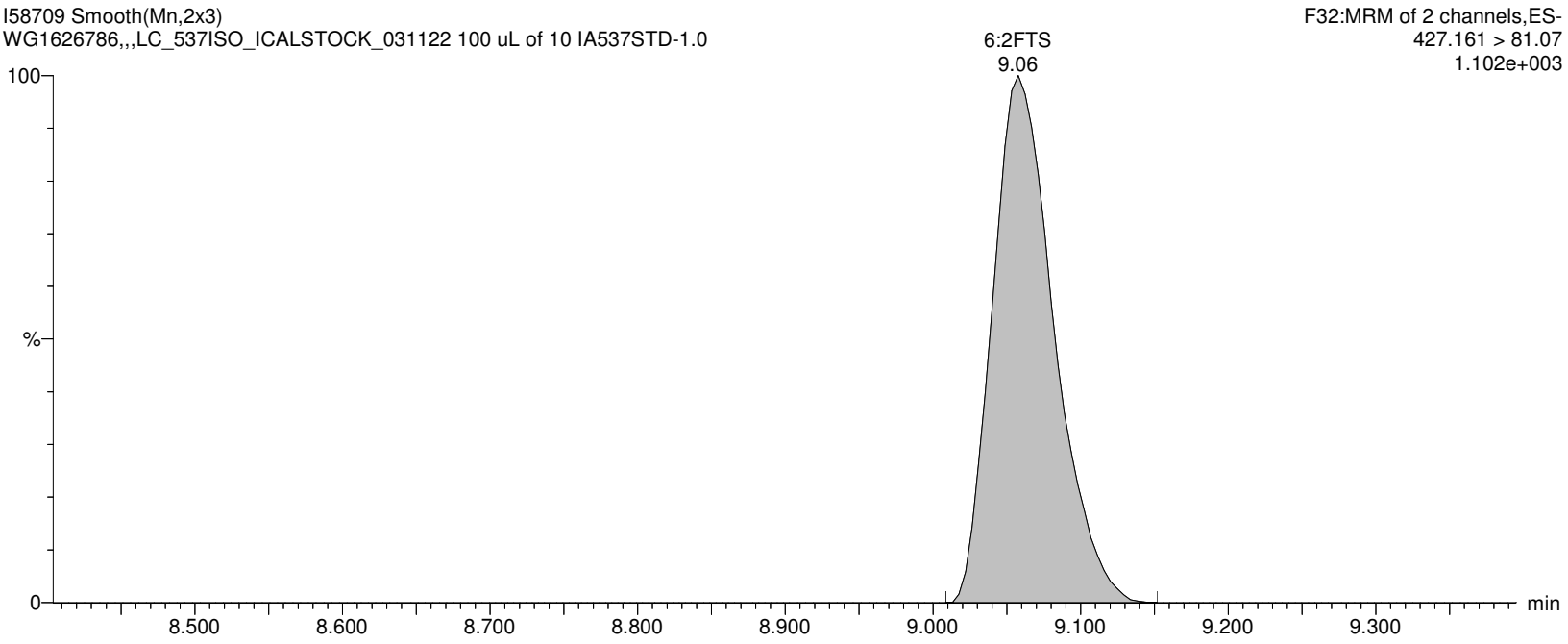
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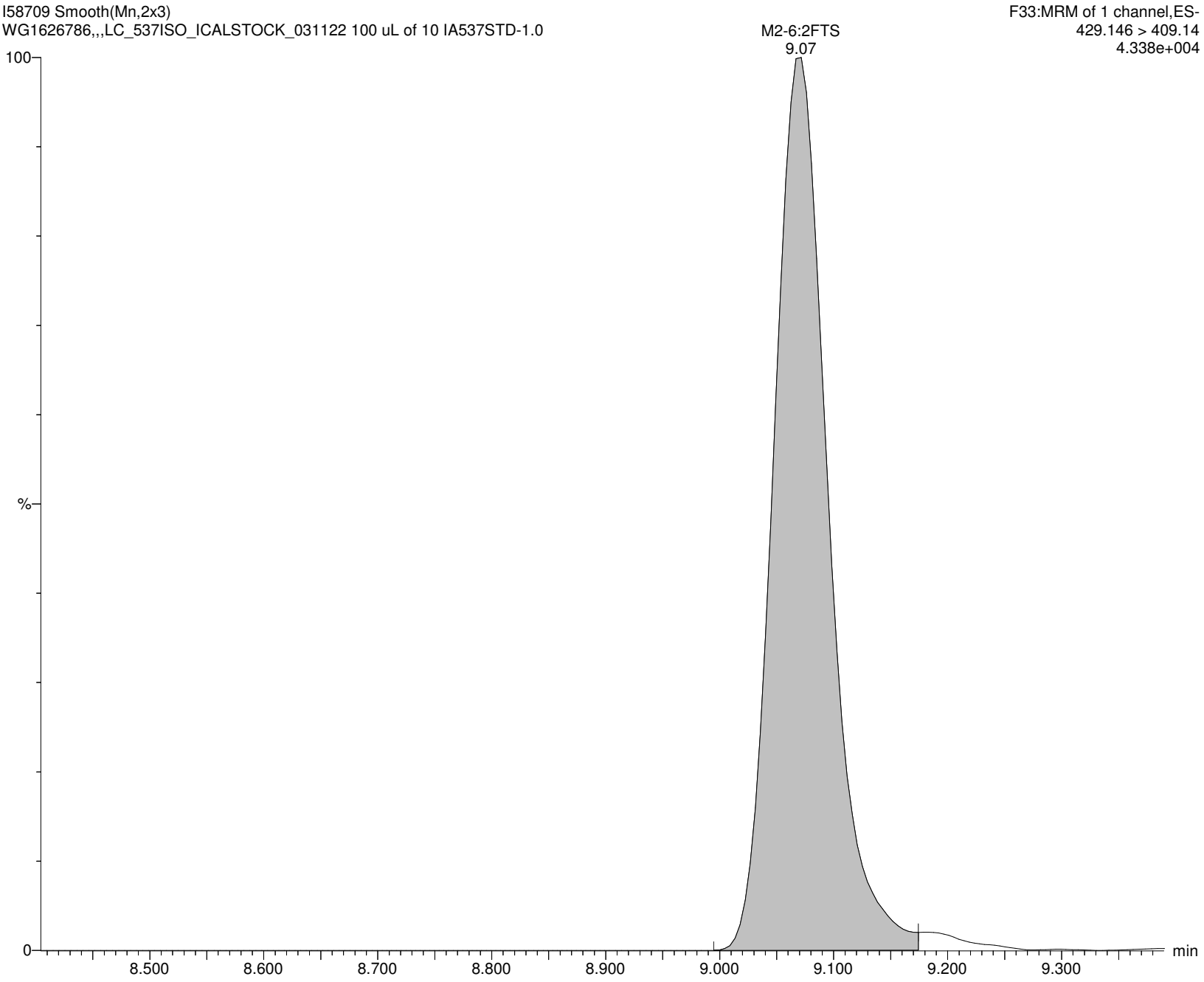


all concentration units in (ng/mL)

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M2-6:2FTS

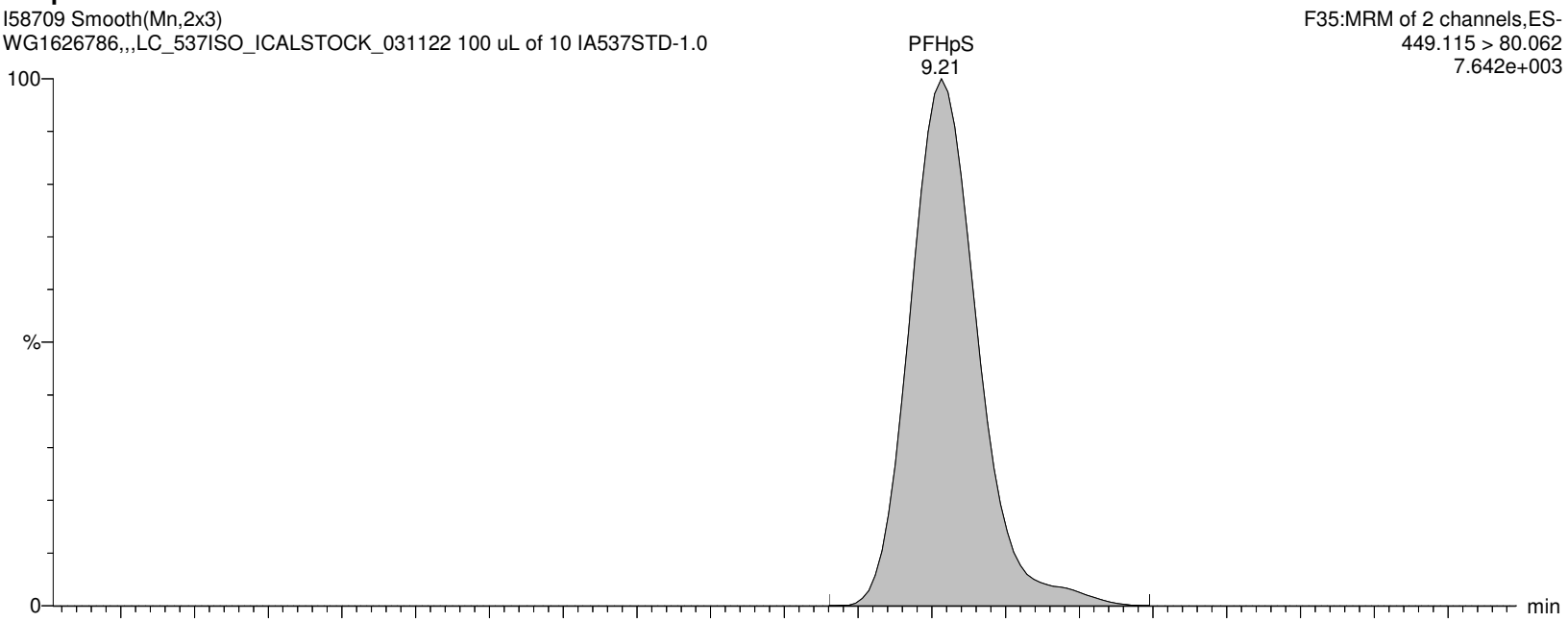


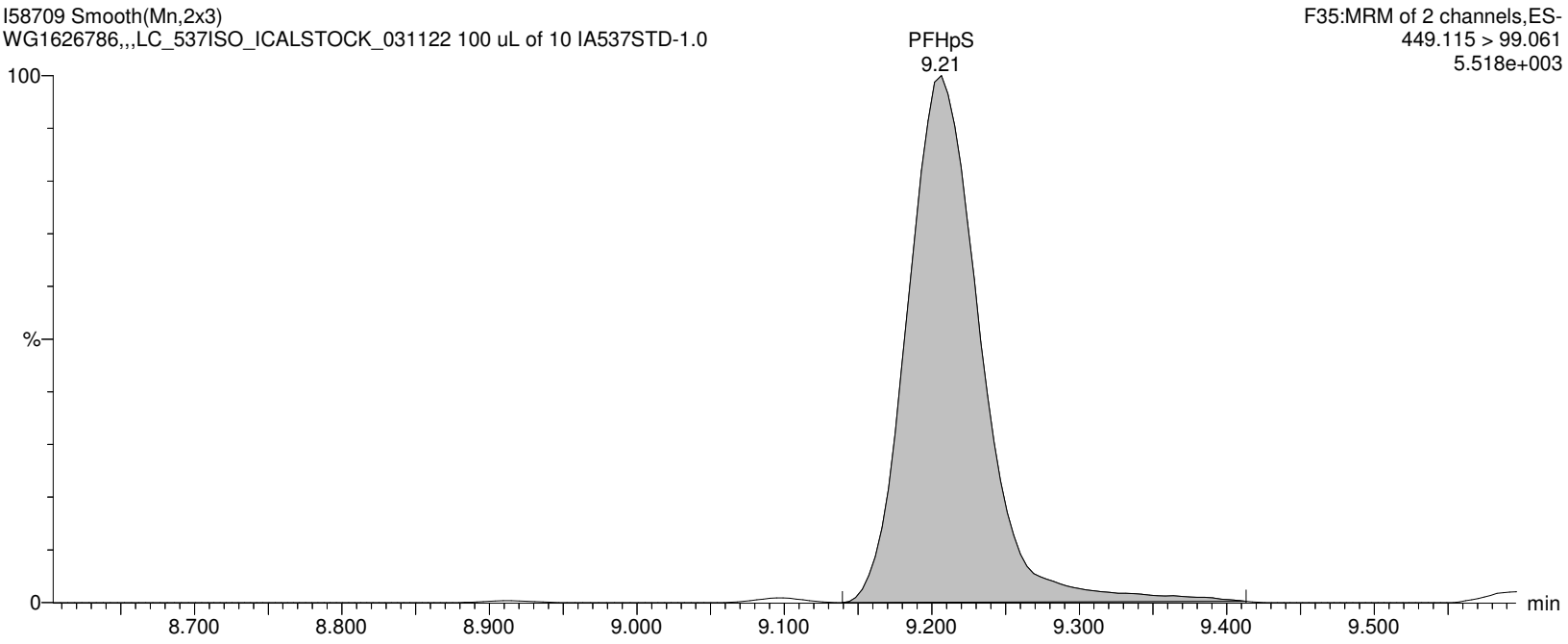
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:12 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 16:33:12
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User: LCMS02:MP
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PFHpS



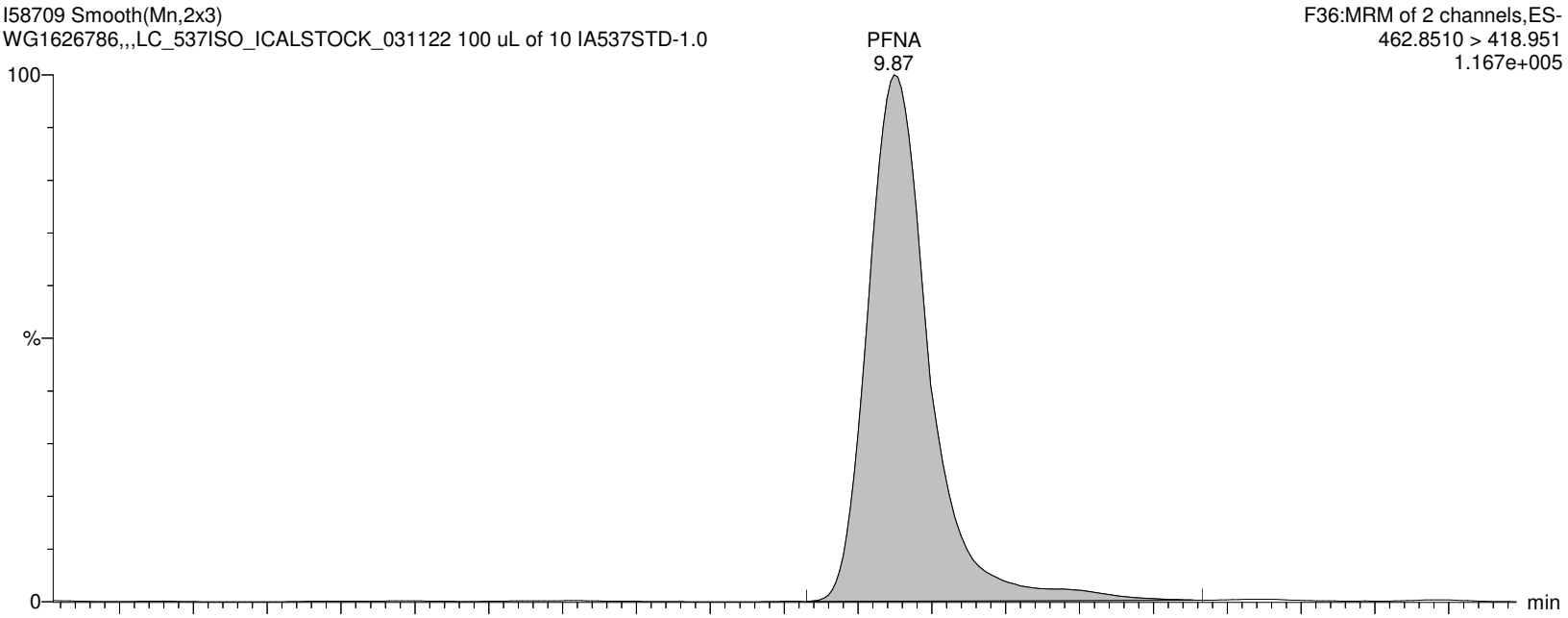


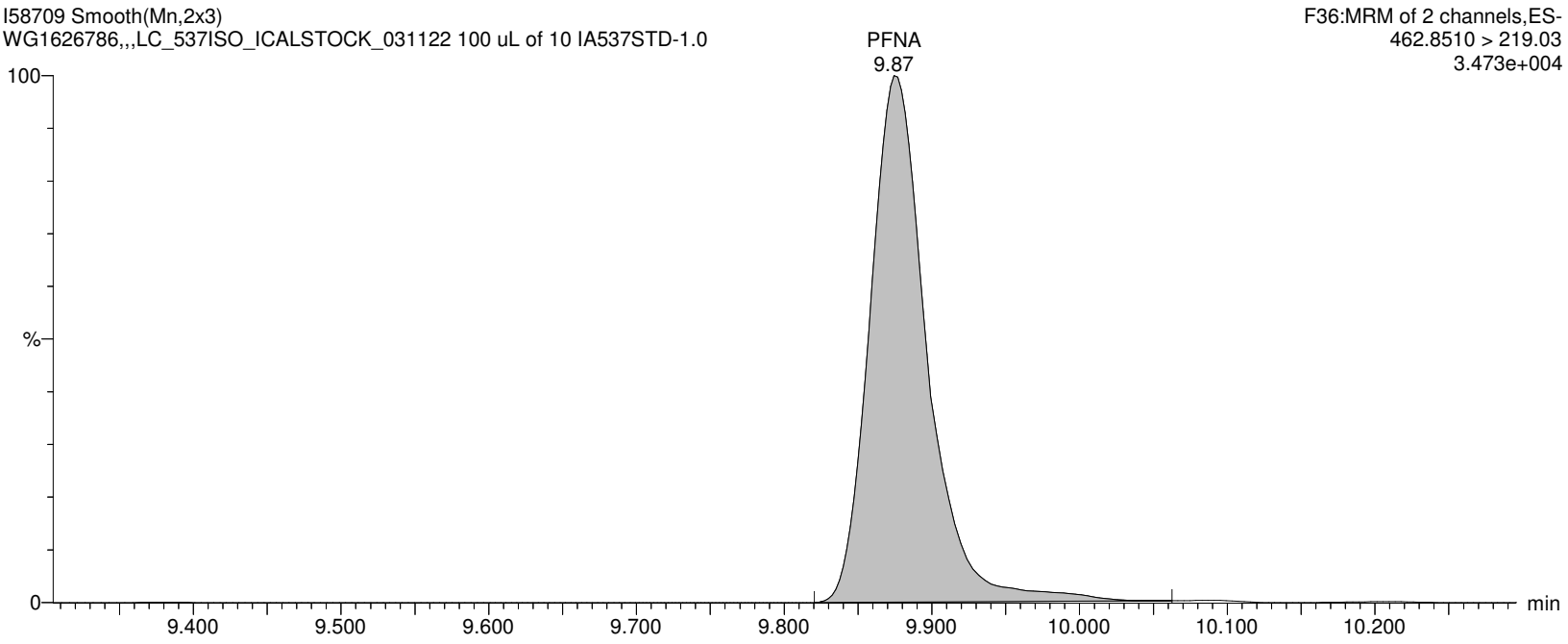
all concentration units in (ng/mL)

Alpha Analytical Inc.
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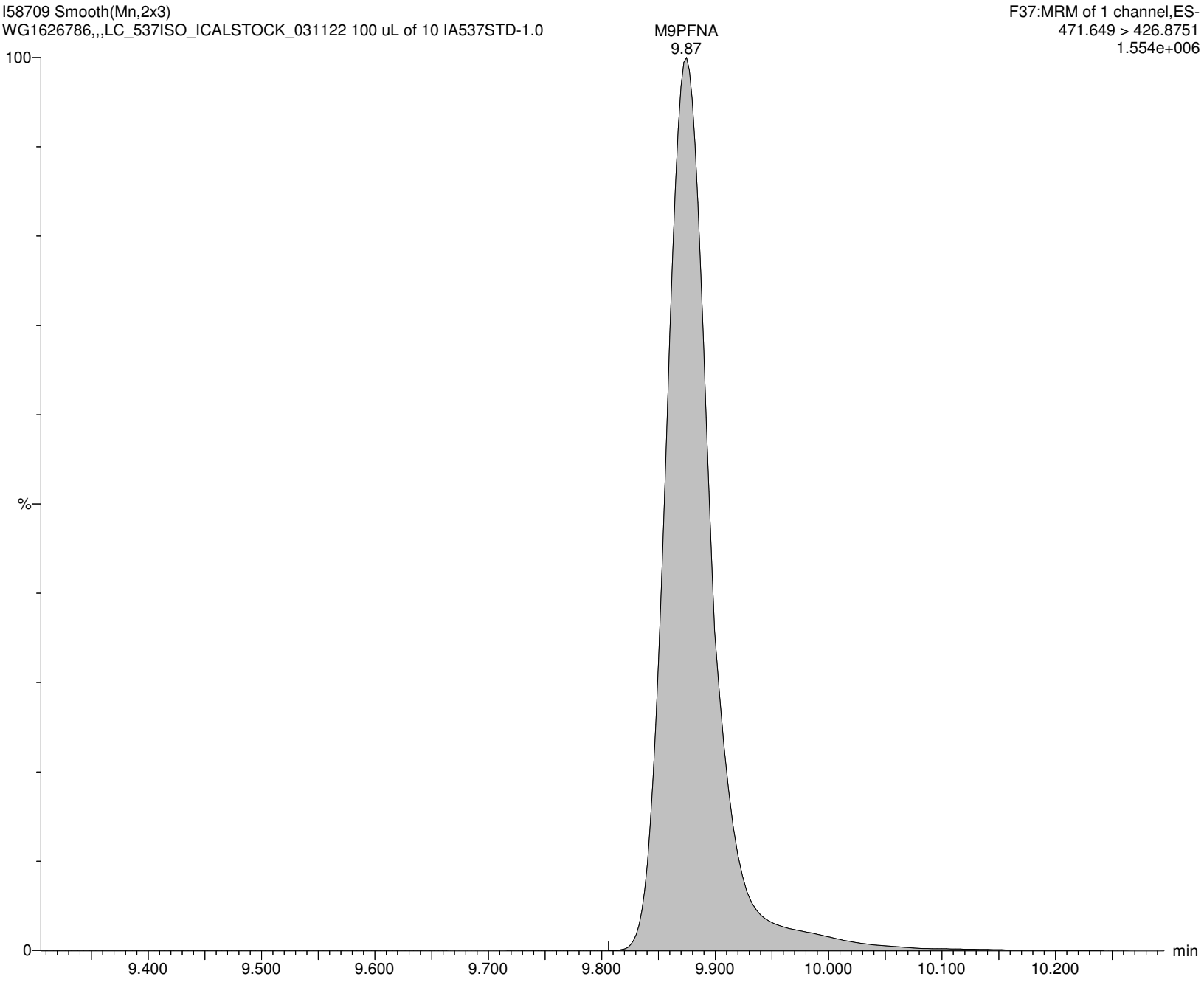


all concentration units in (ng/mL)

Alpha Analytical Inc.
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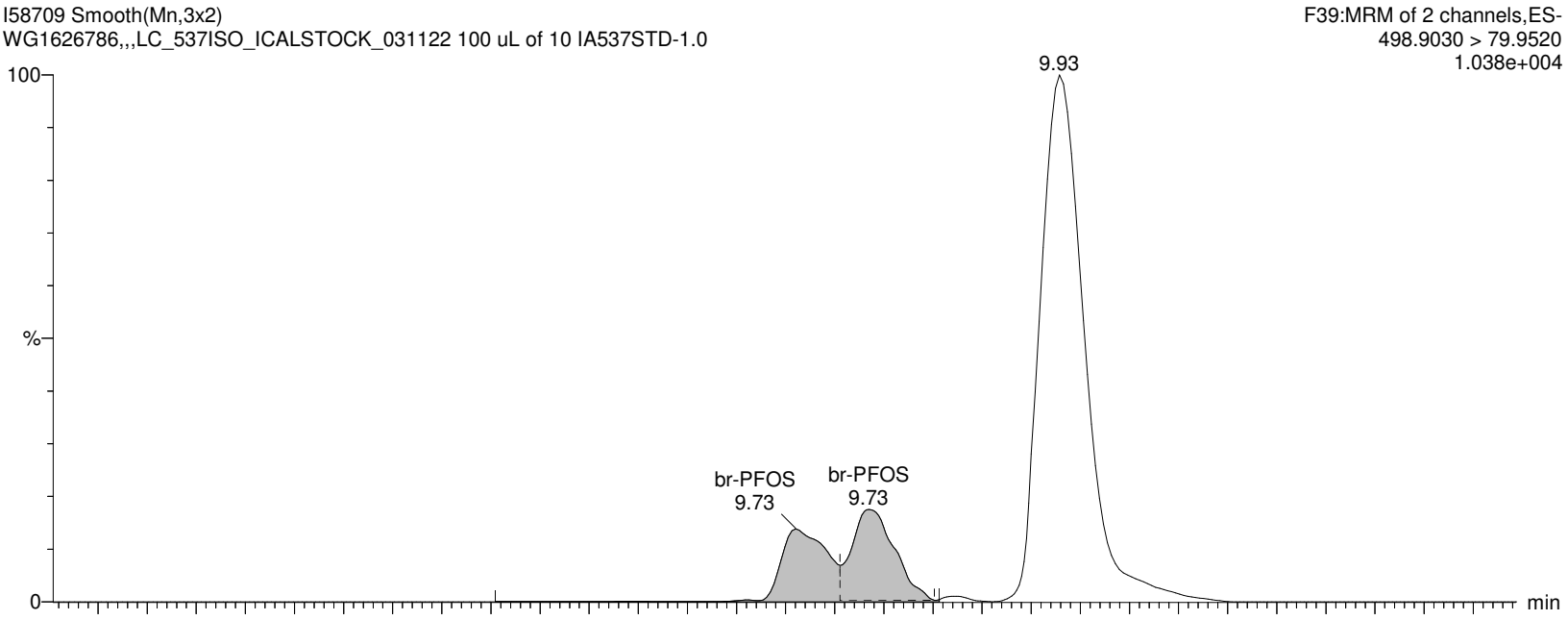


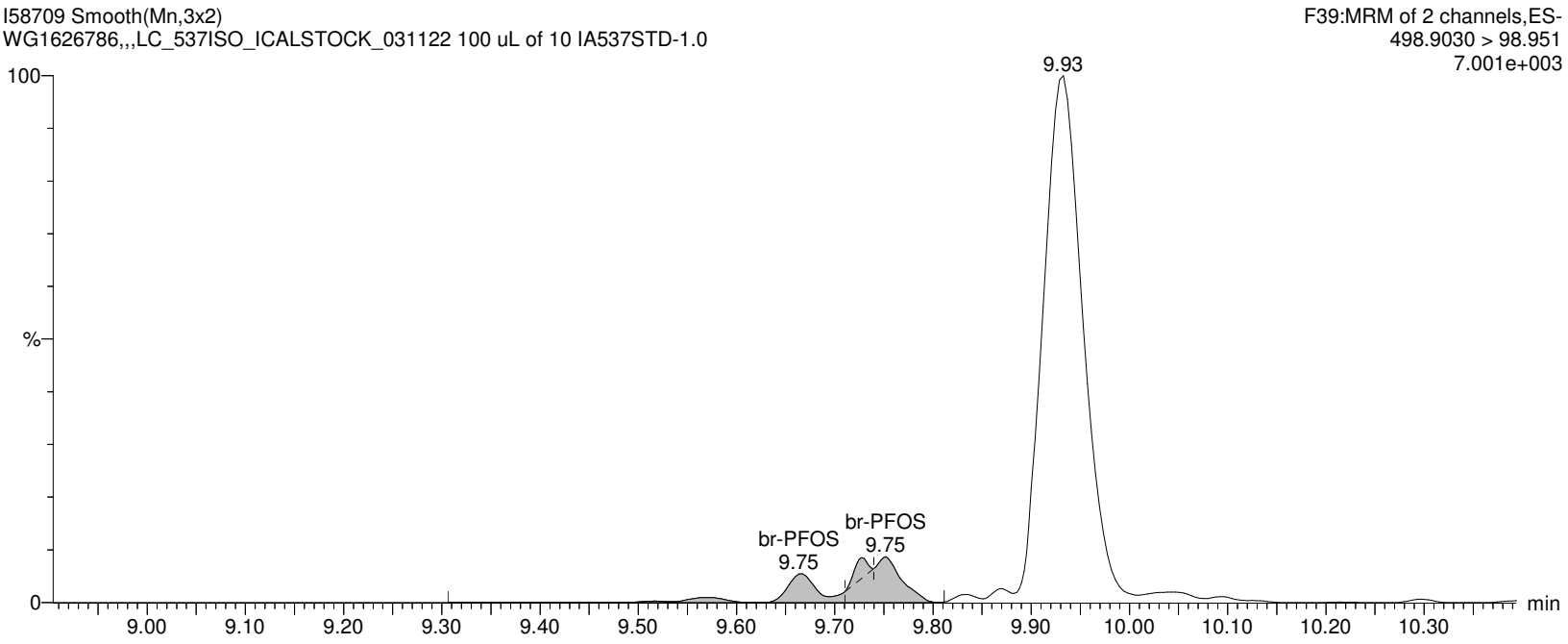
all concentration units in (ng/mL)

Alpha Analytical Inc.
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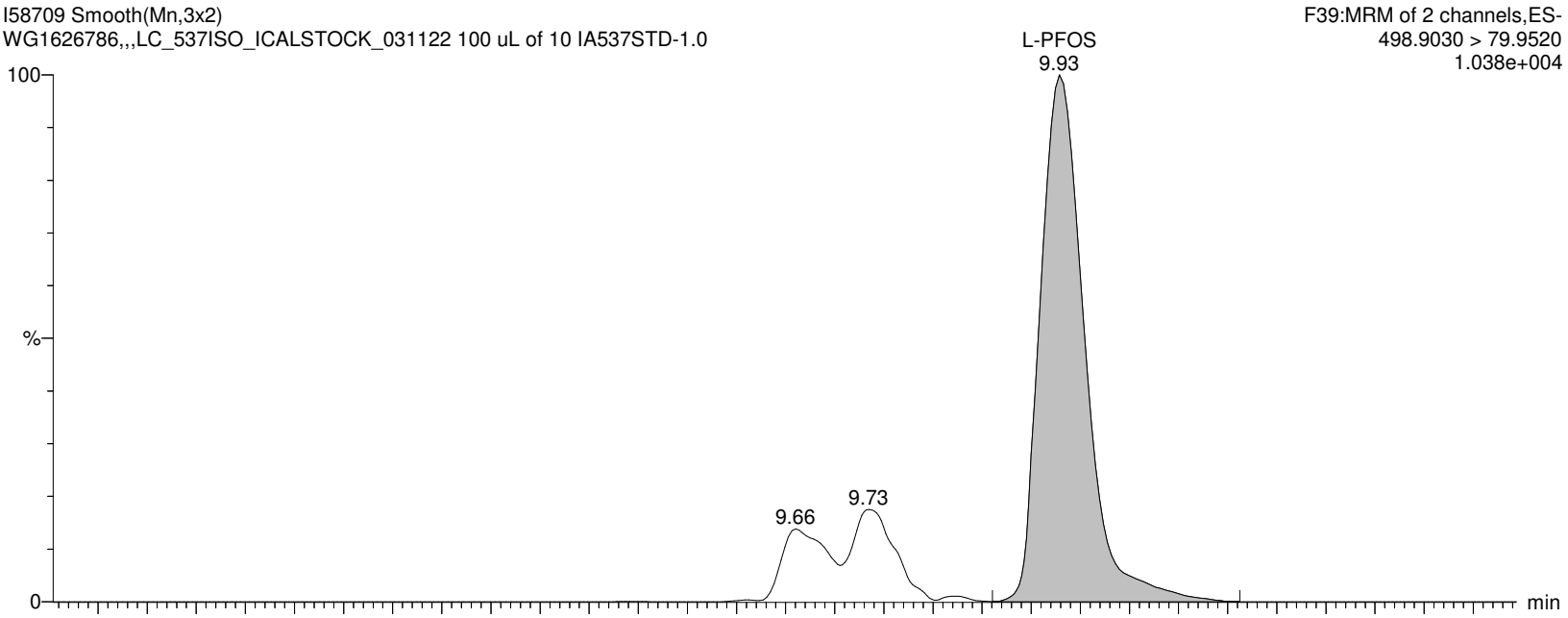


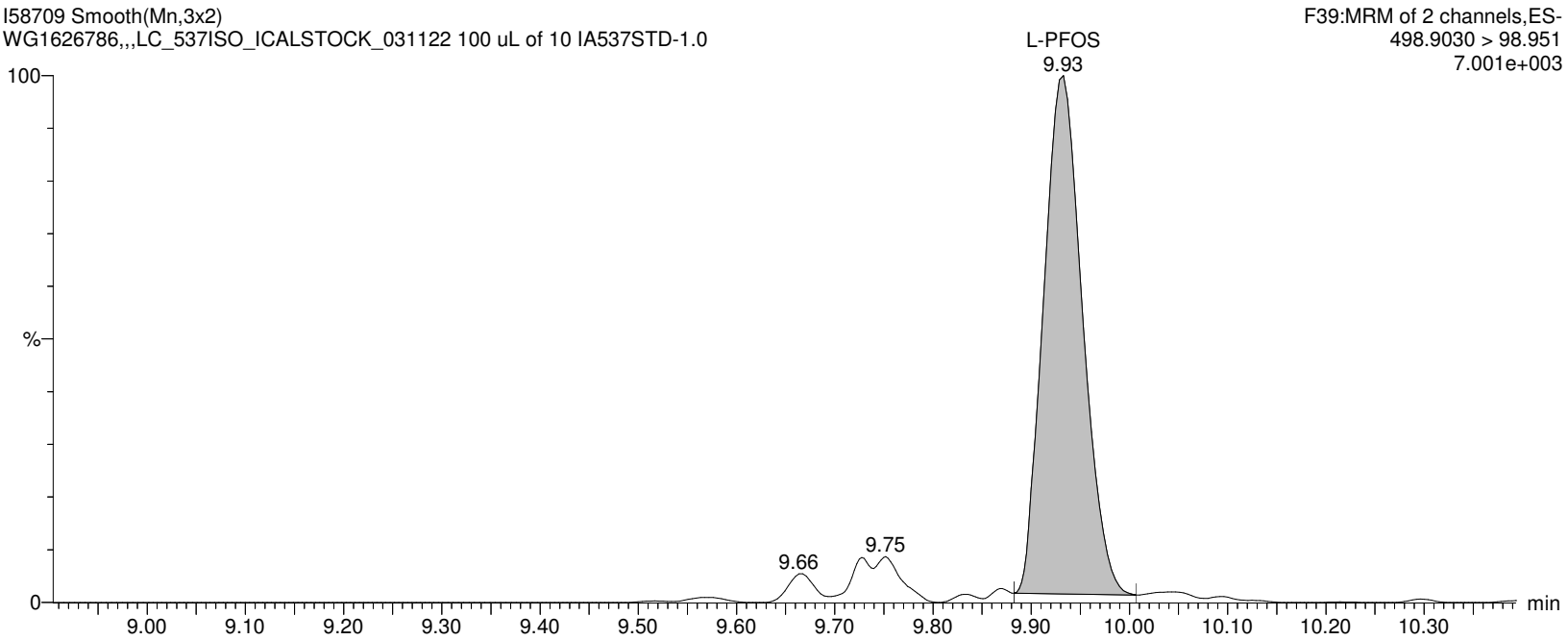
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOS



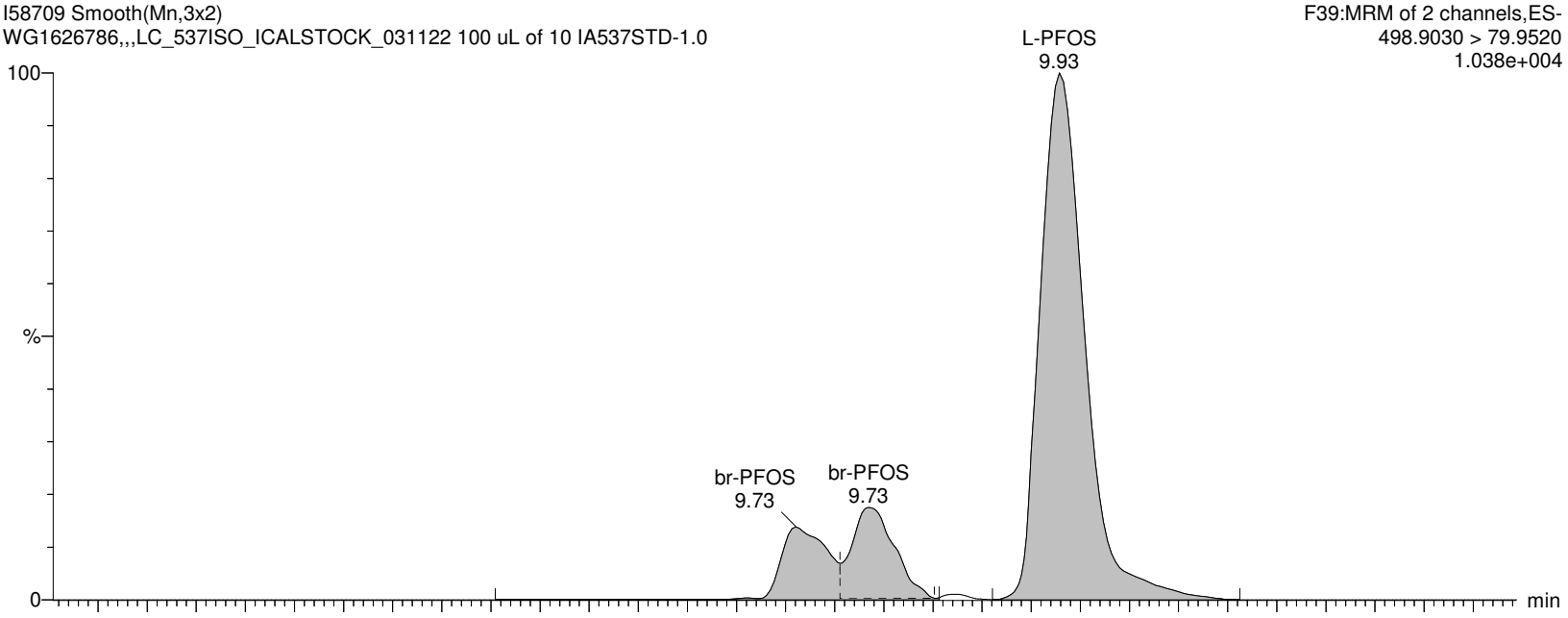


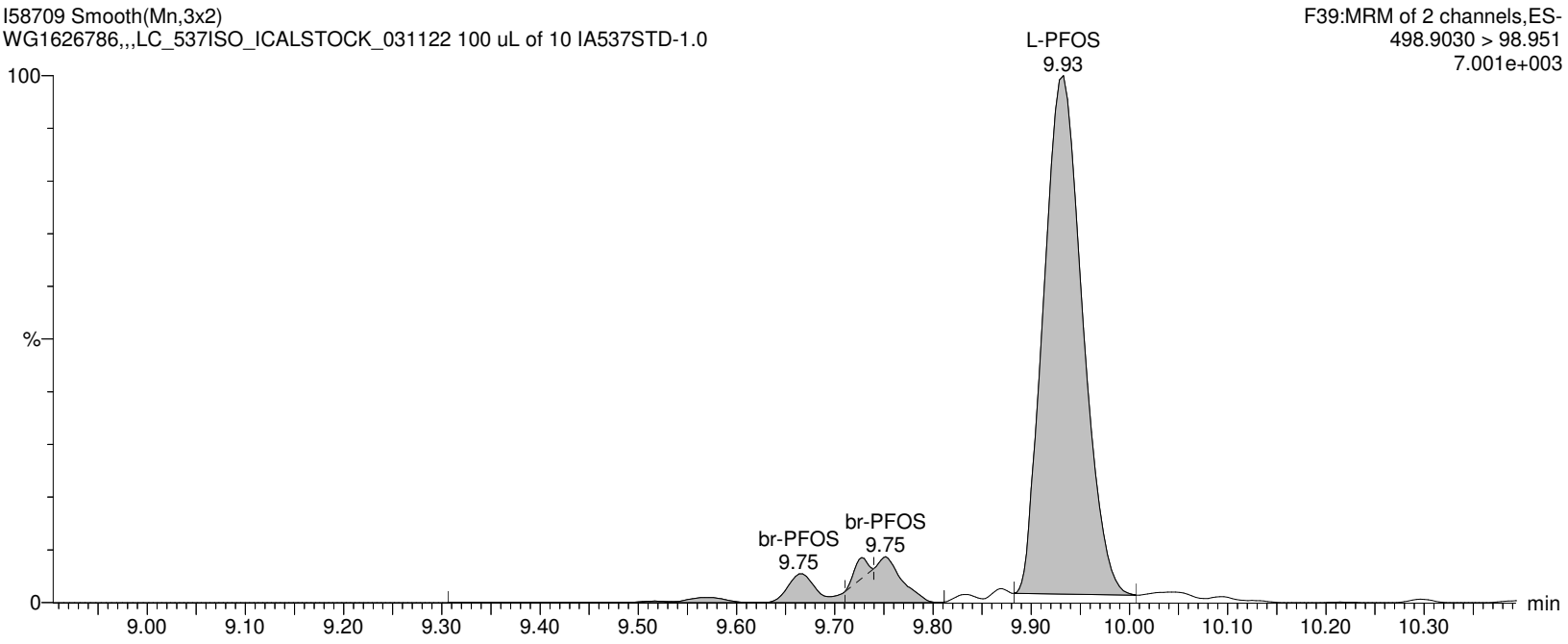
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



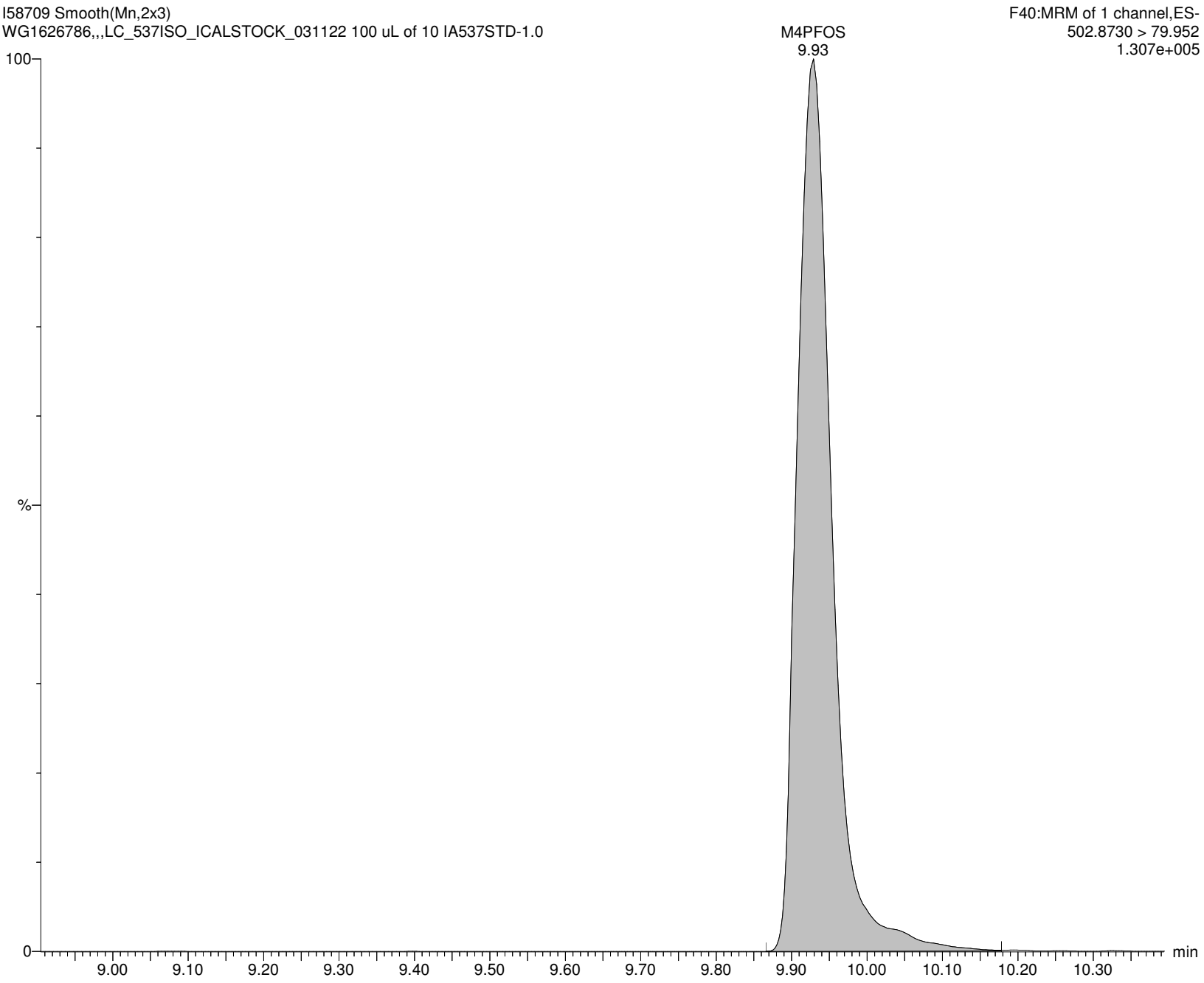


all concentration units in (ng/mL)

Alpha Analytical Inc.
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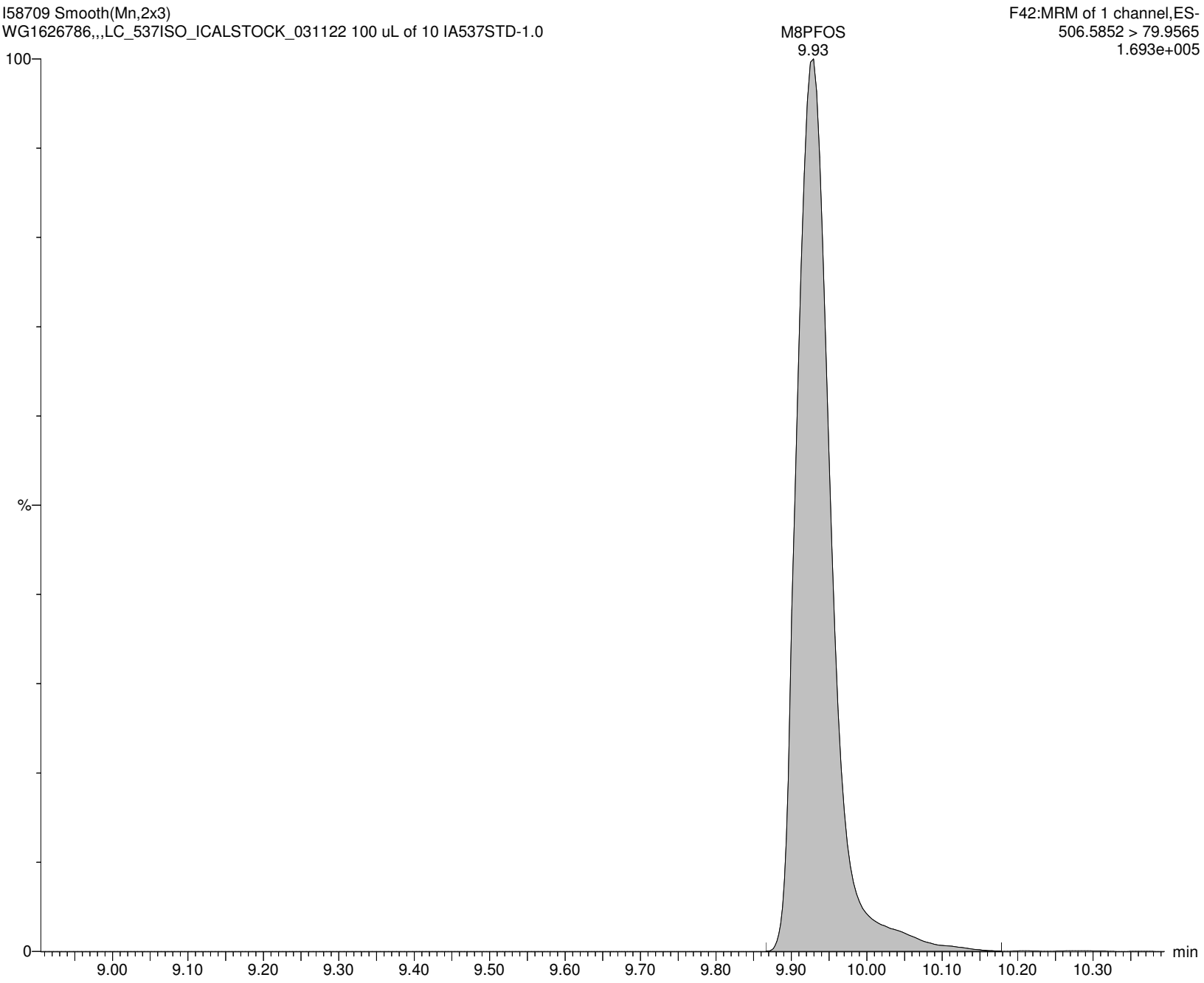


all concentration units in (ng/mL)

Alpha Analytical Inc.
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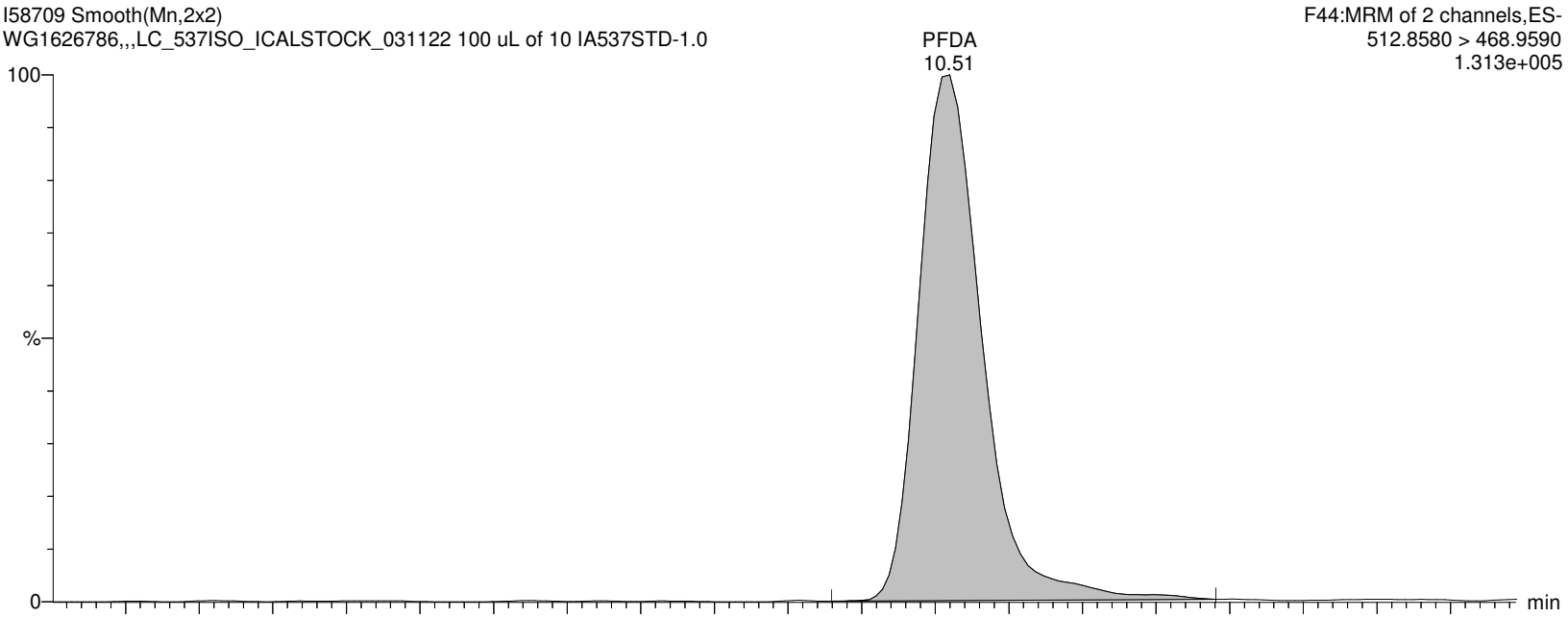


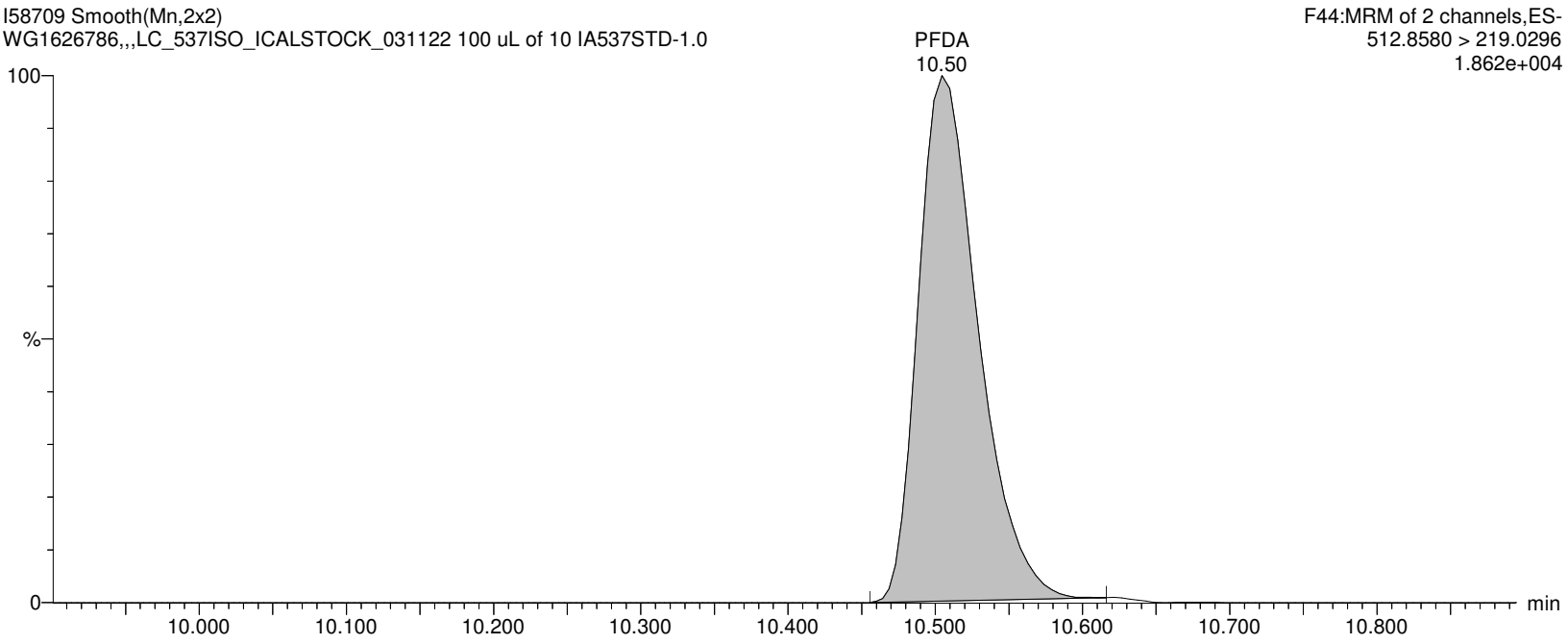
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDA



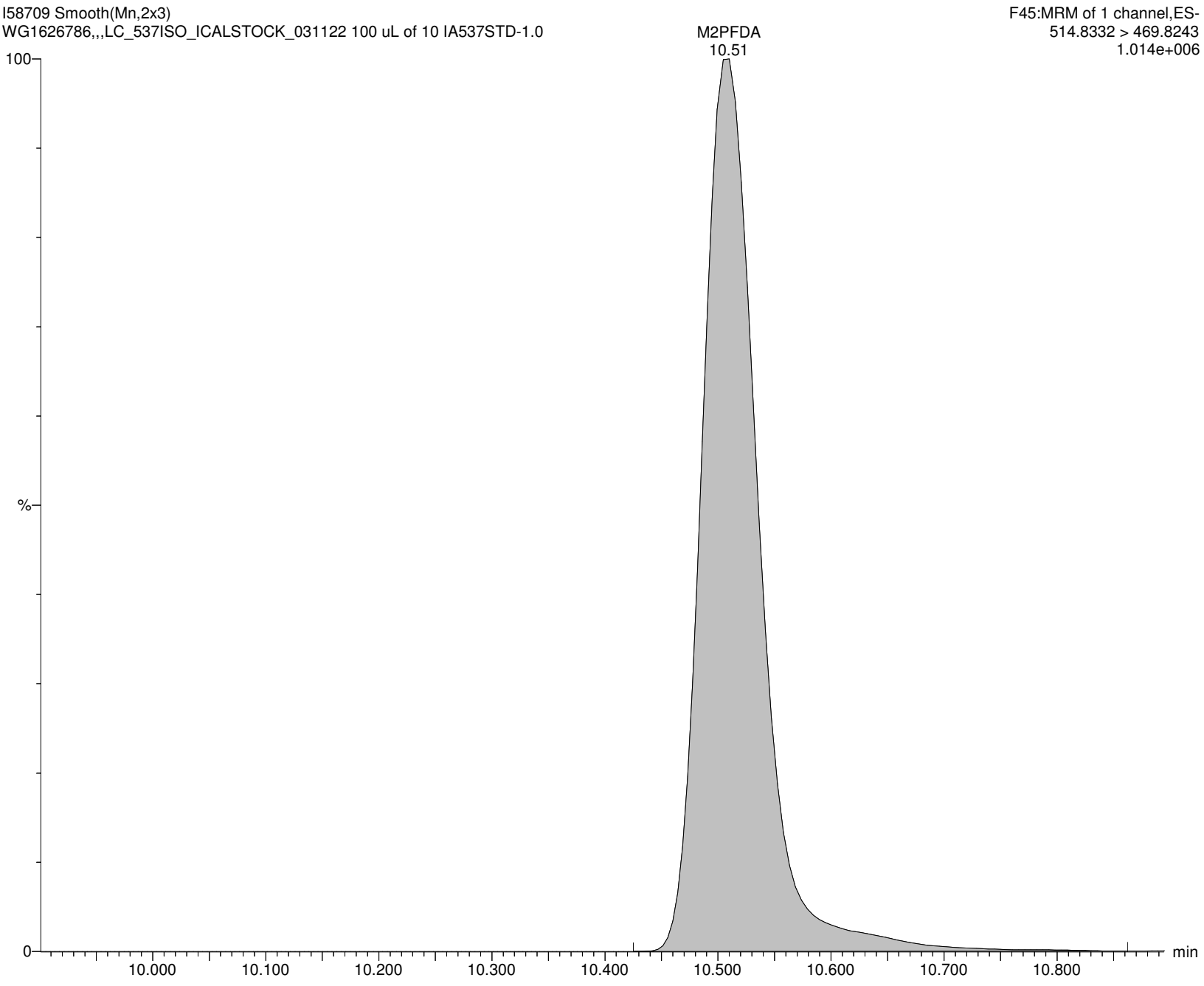


all concentration units in (ng/mL)

Alpha Analytical Inc.
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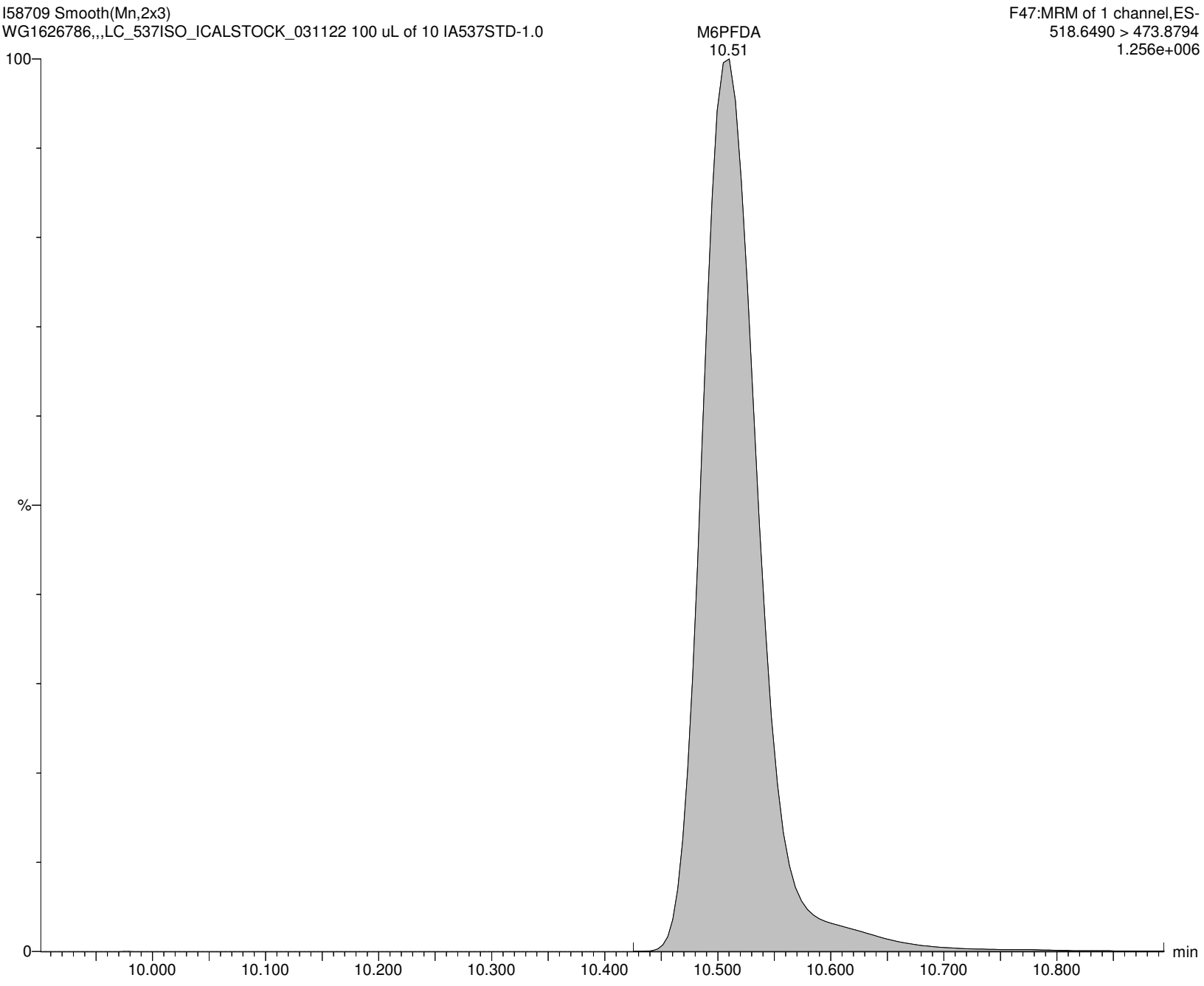


all concentration units in (ng/mL)

Alpha Analytical Inc.
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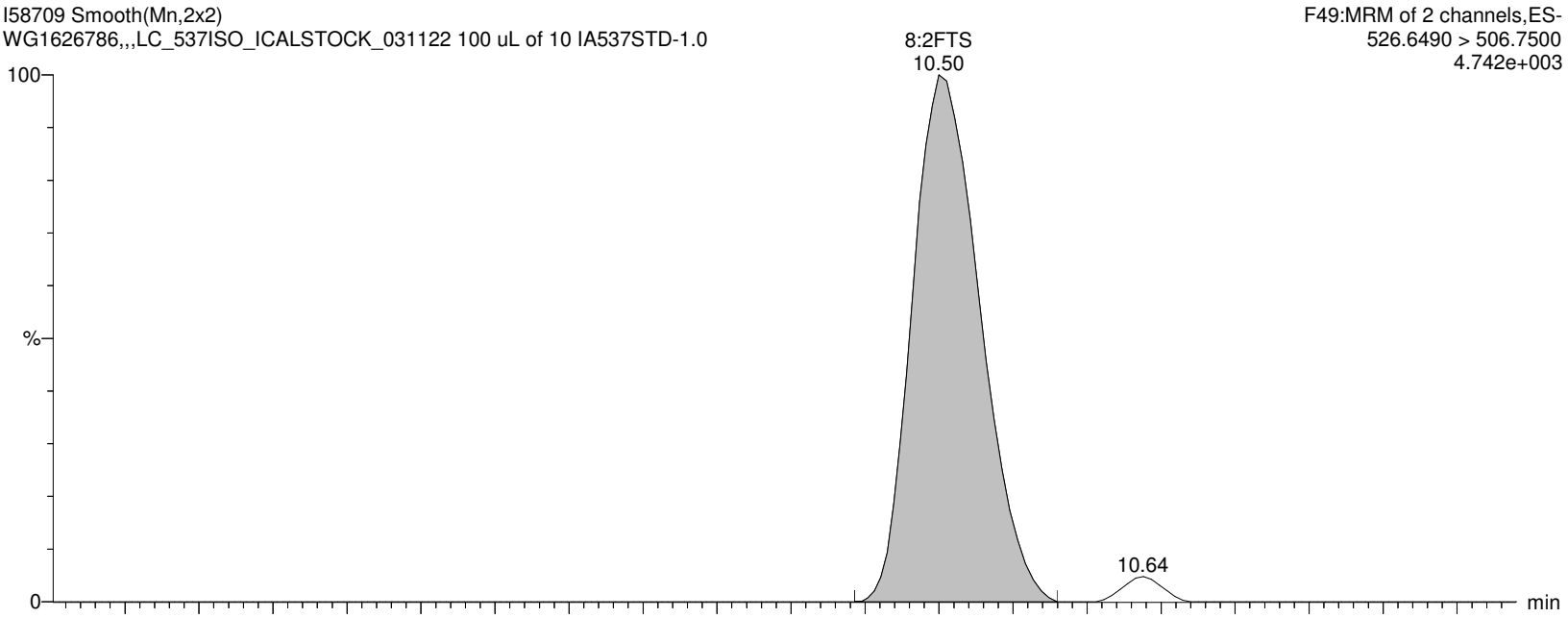


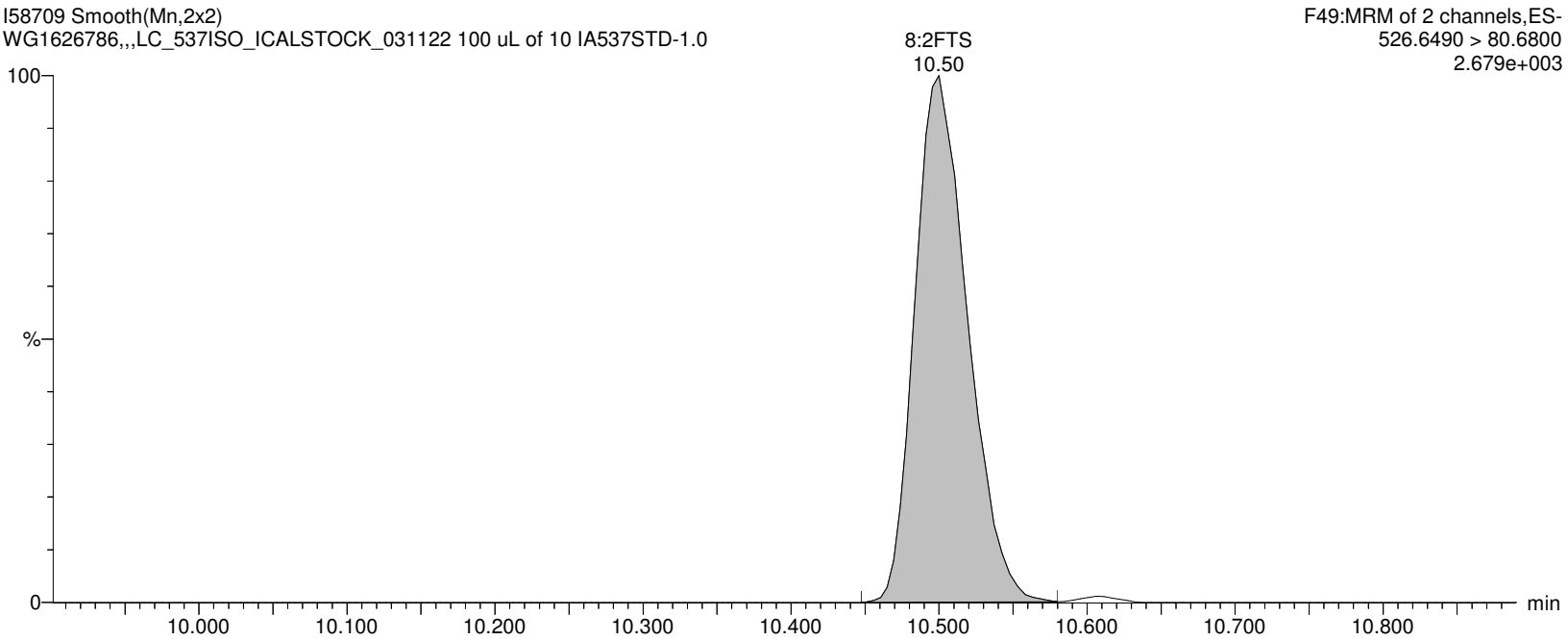
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,3
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8:2FTS



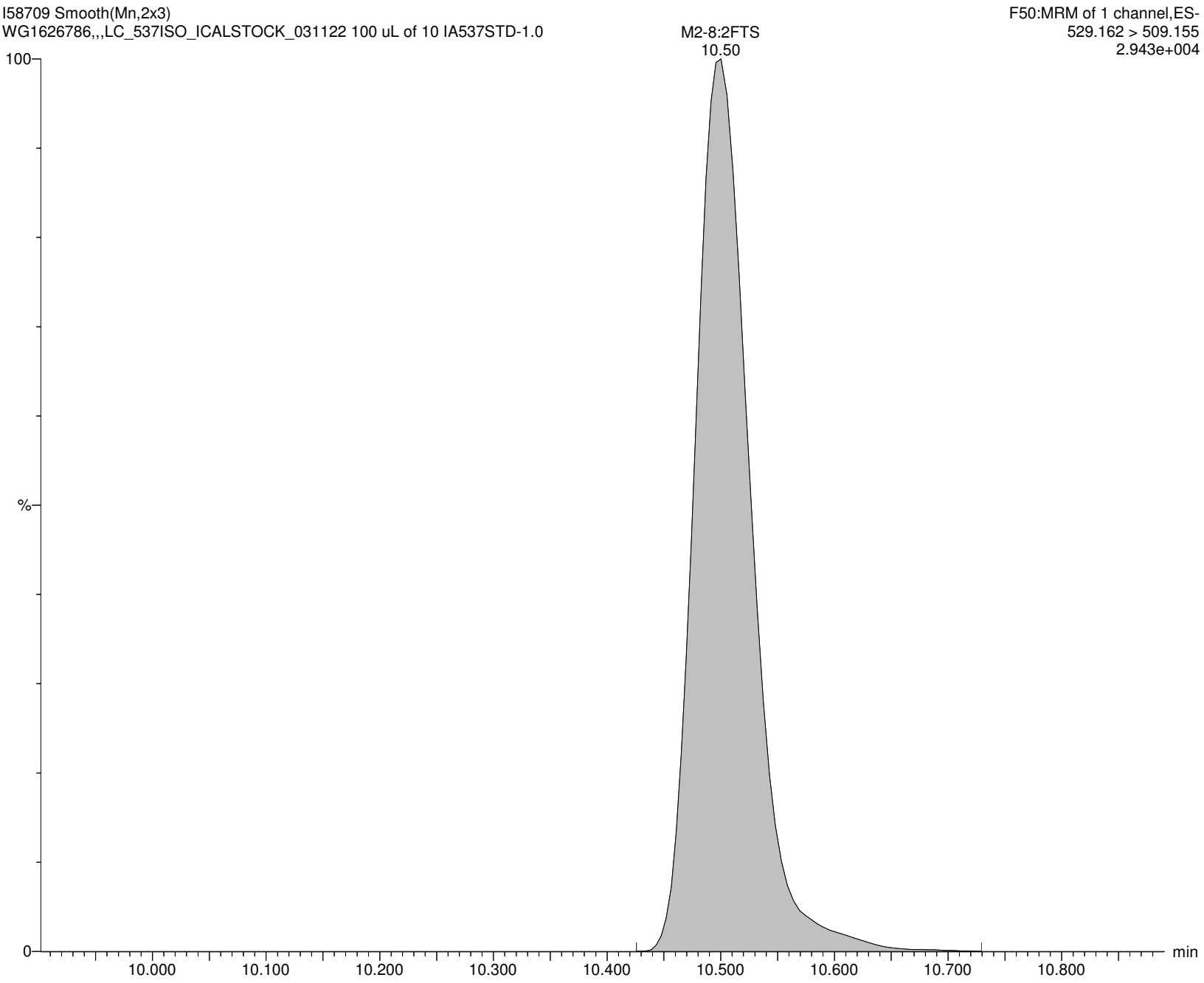


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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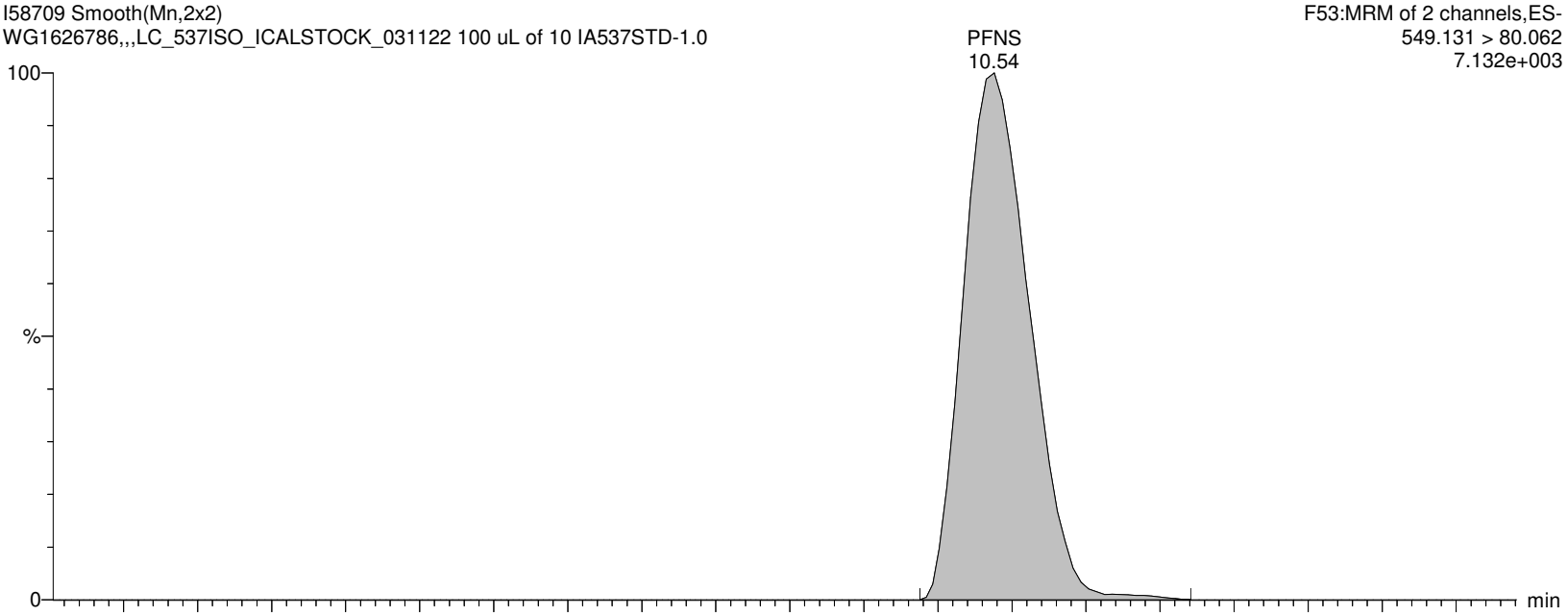


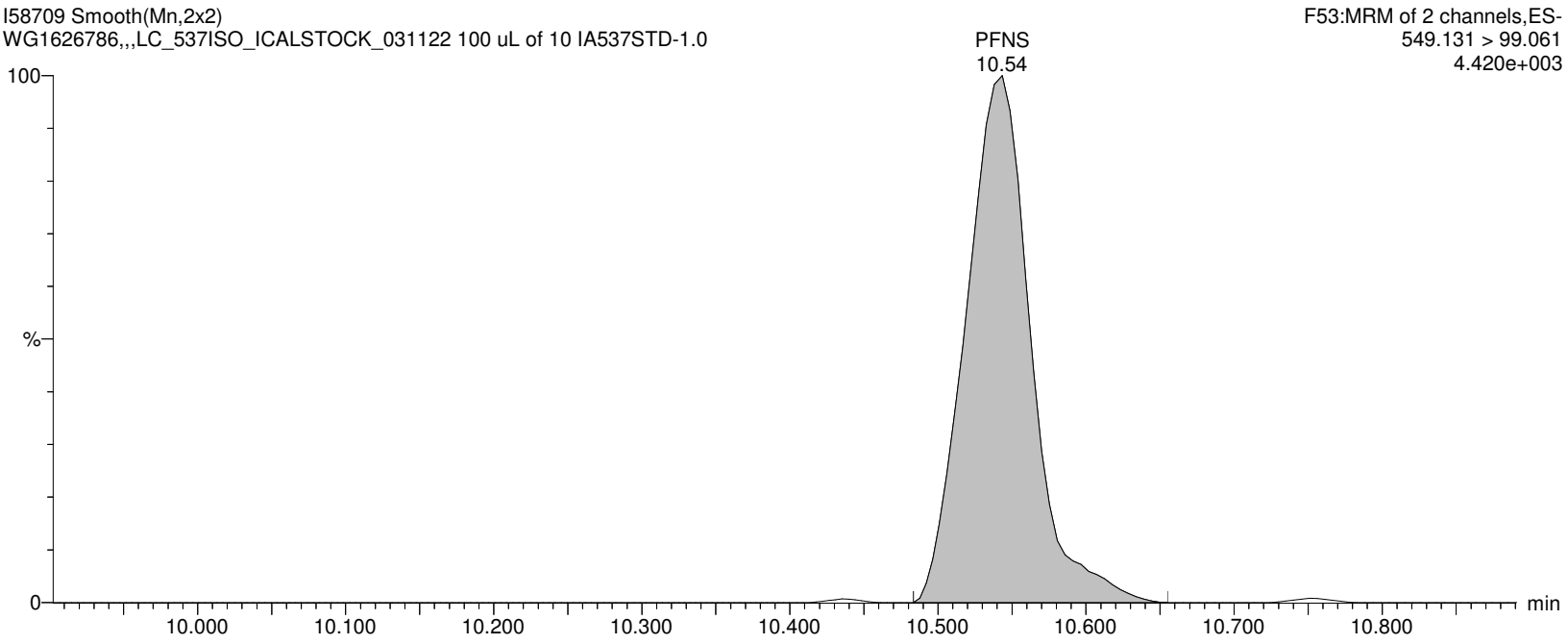
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFNS



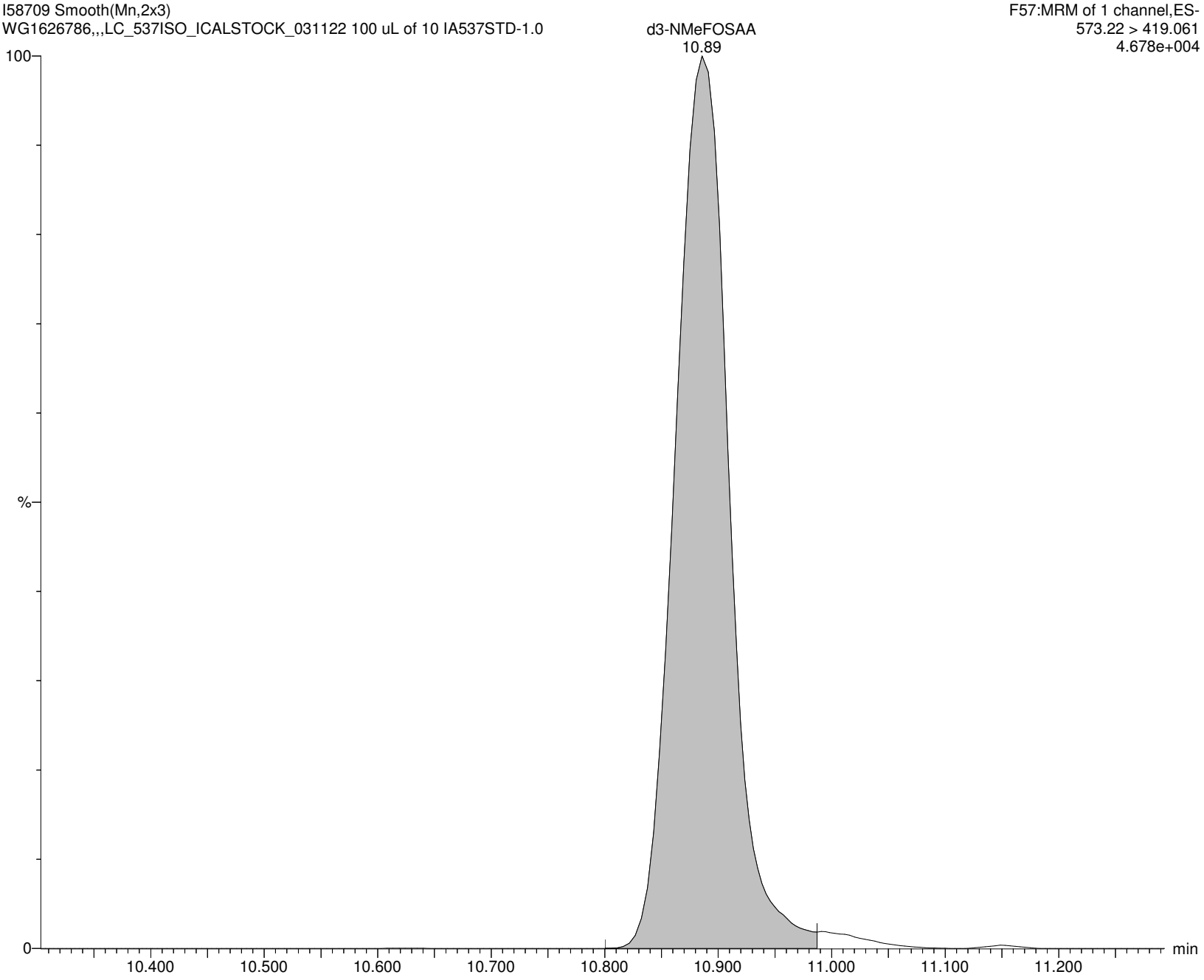


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:A,3
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d3-NMeFOSAA

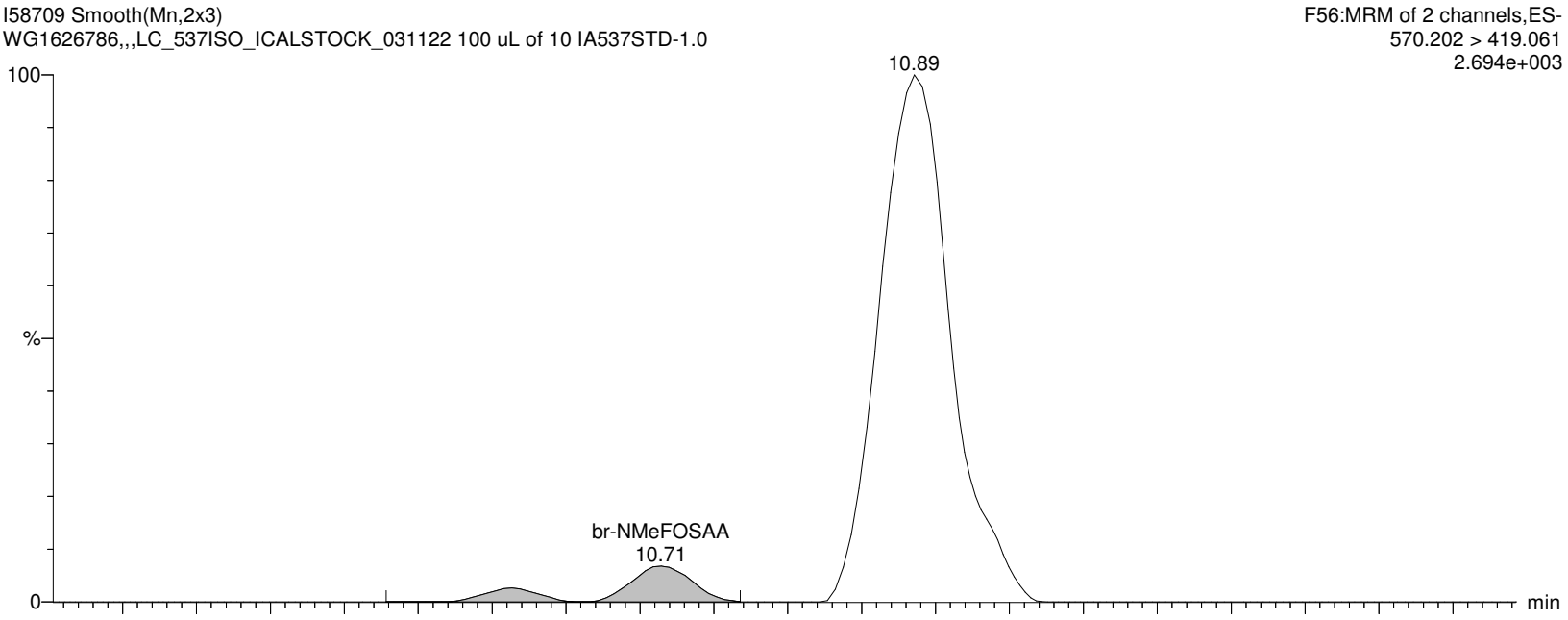


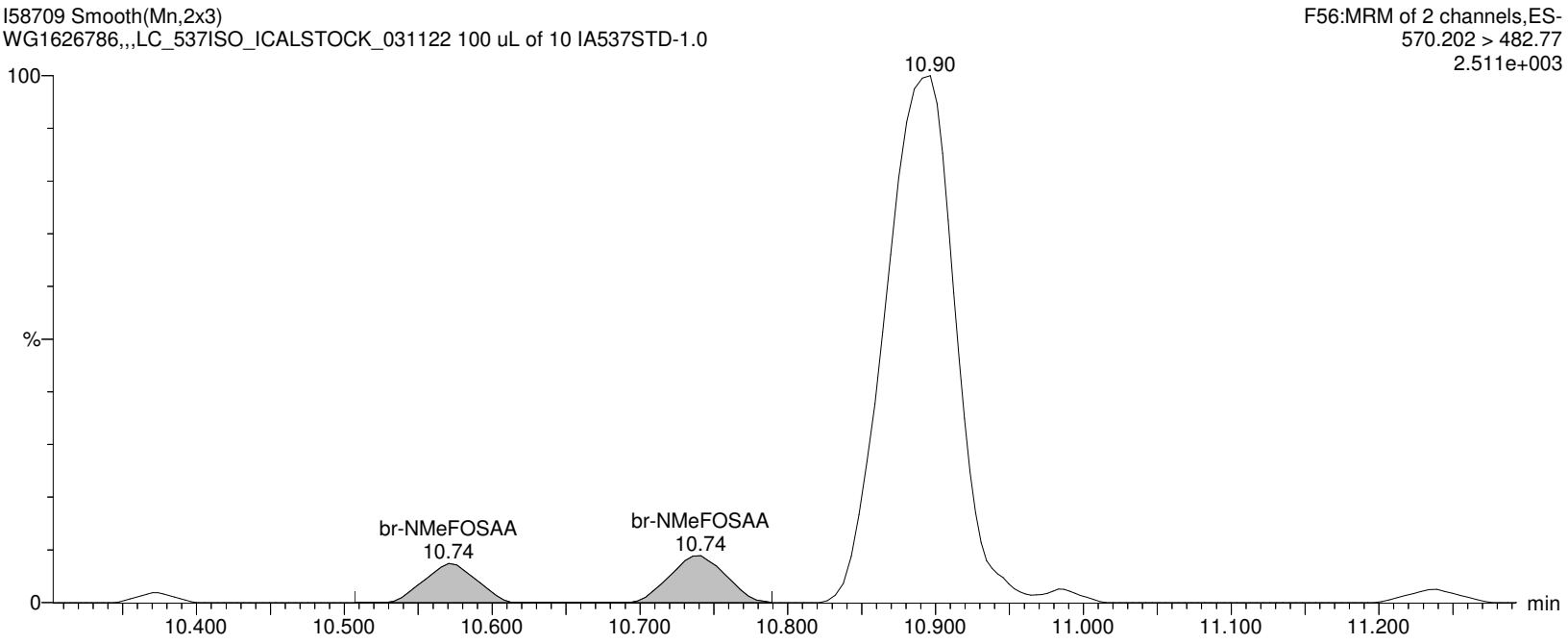
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:12 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 16:33:12
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Vial: 1:A,3
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br-NMeFOSAA



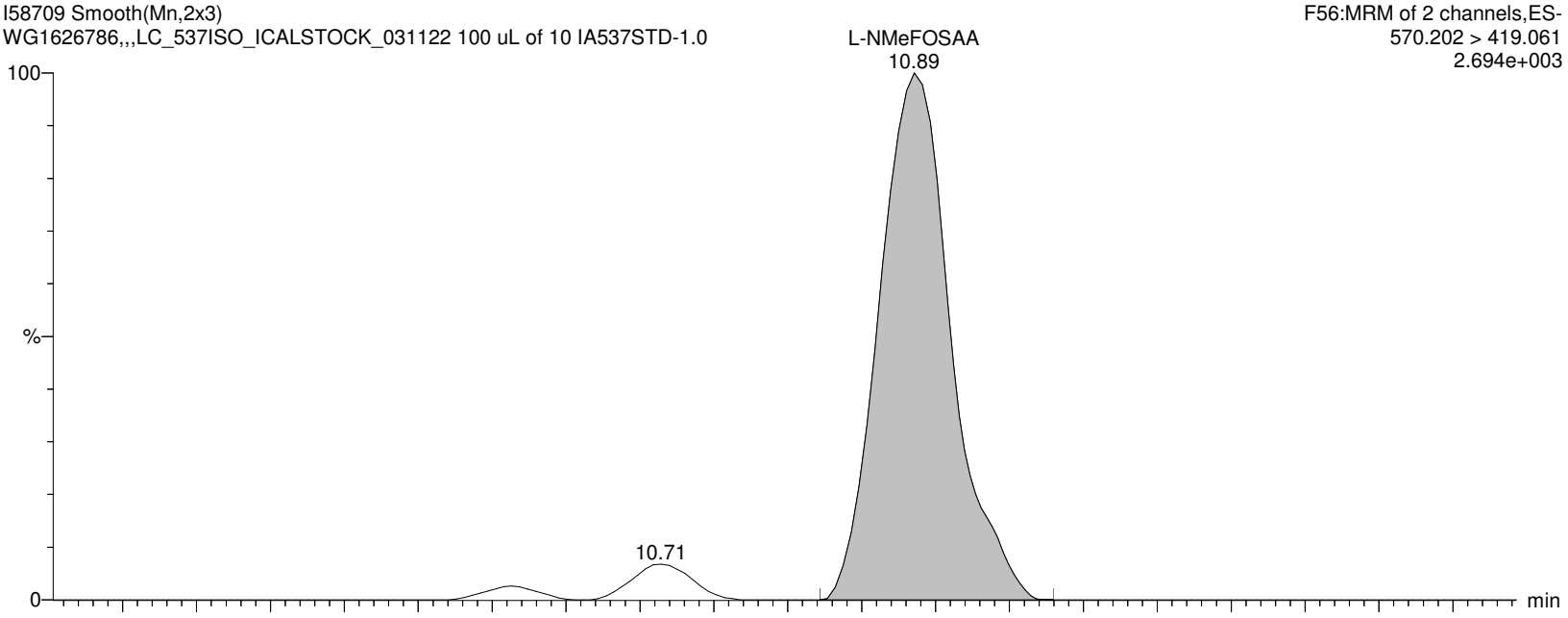


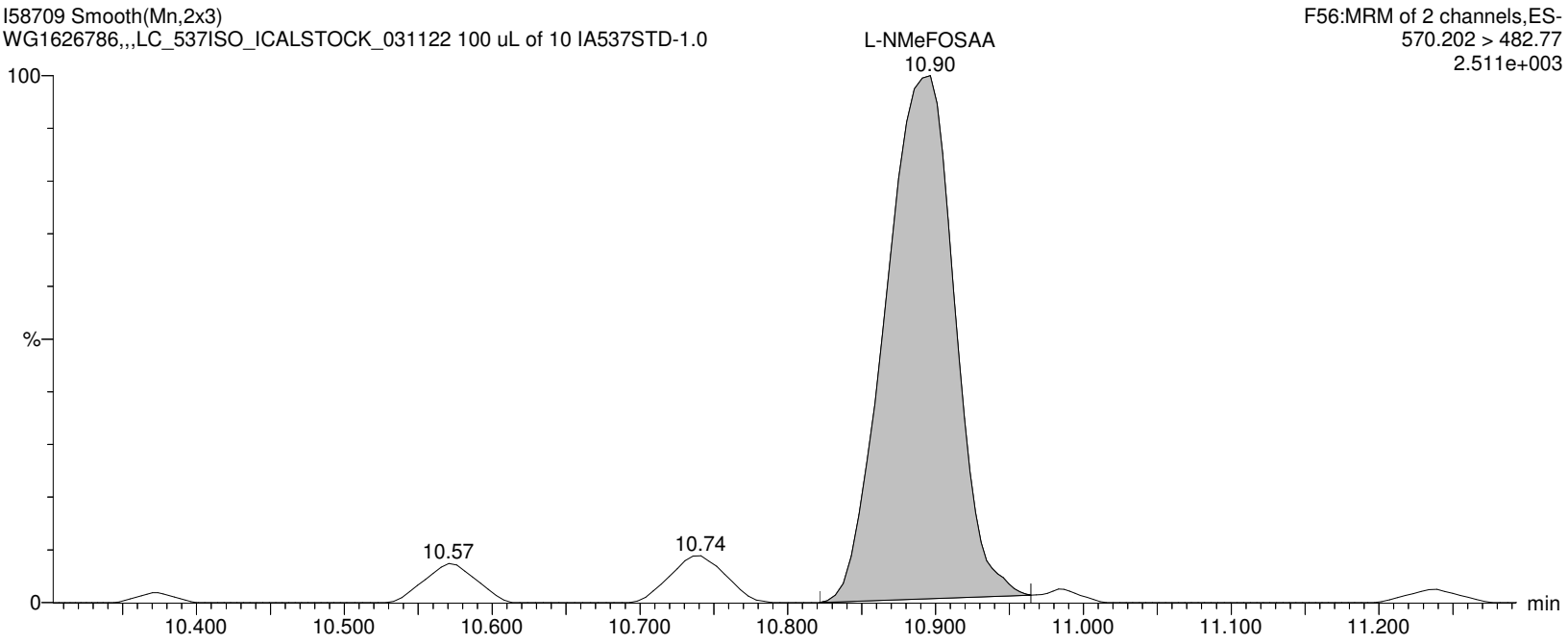
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Alpha Analytical Inc.
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L-NMeFOSAA



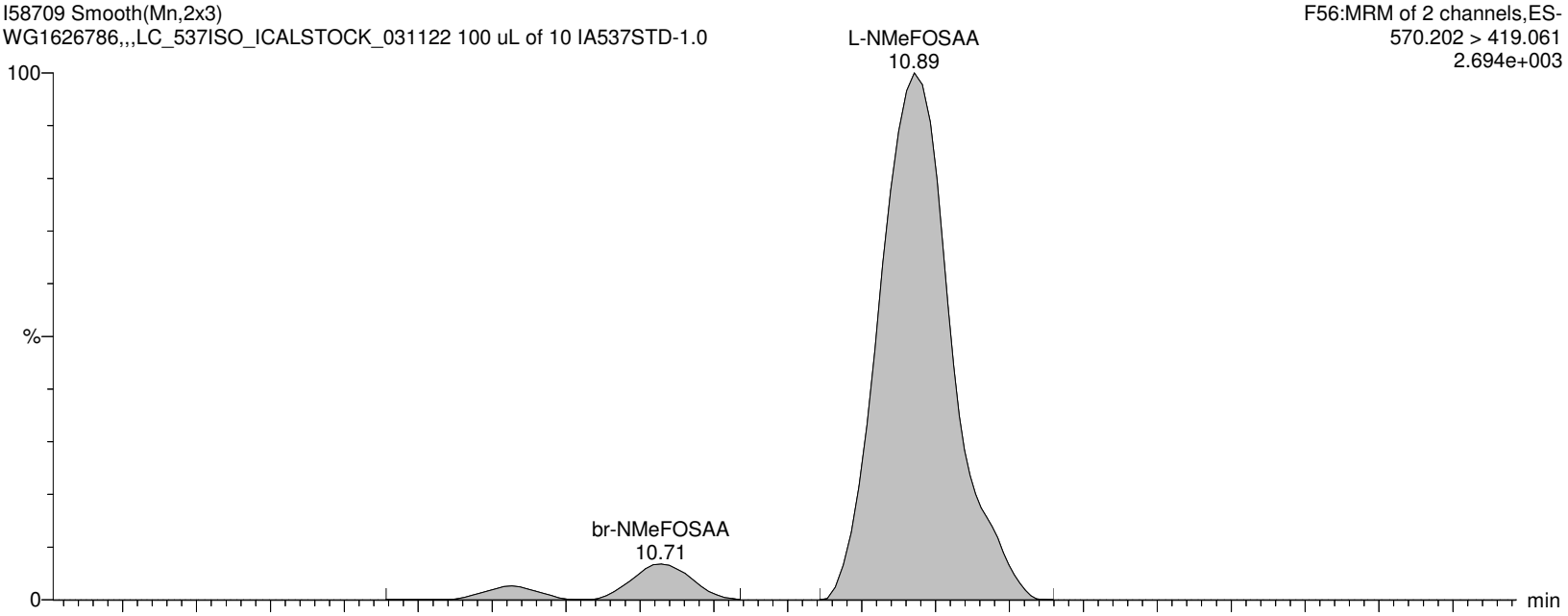


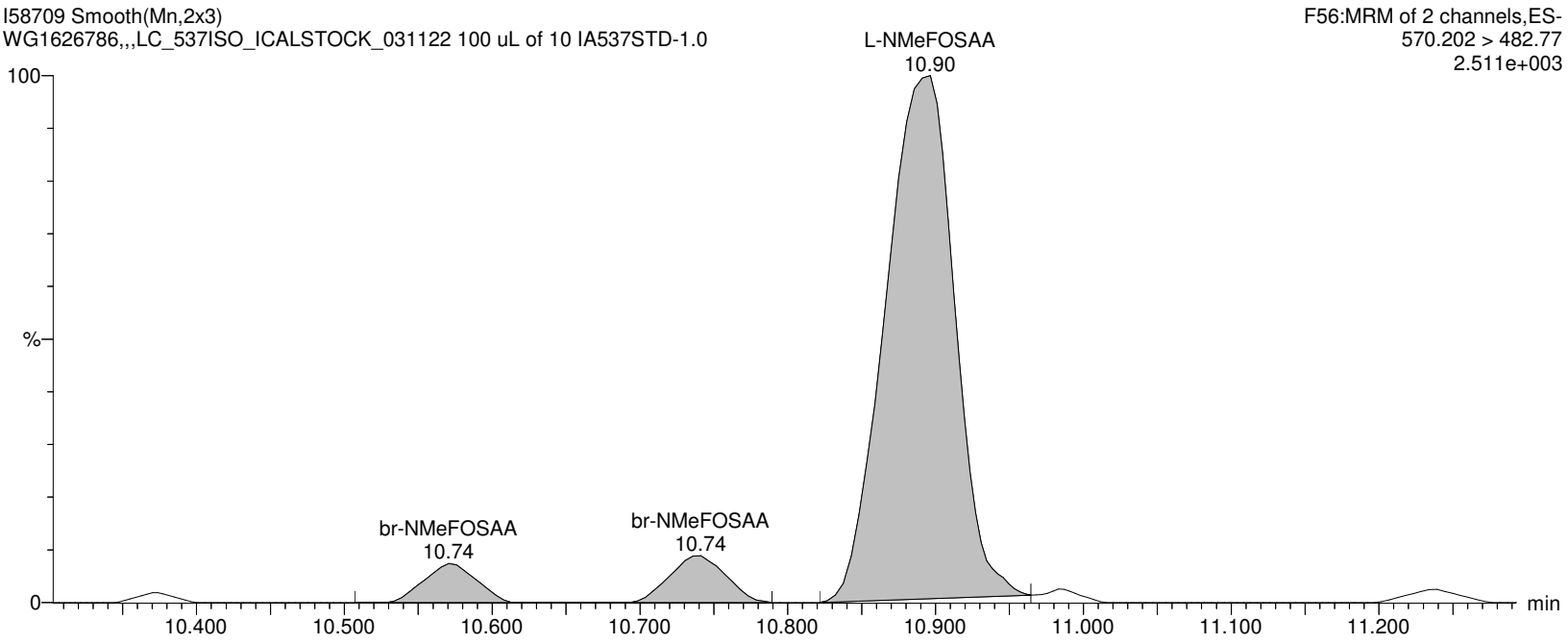
all concentration units in (ng/mL)

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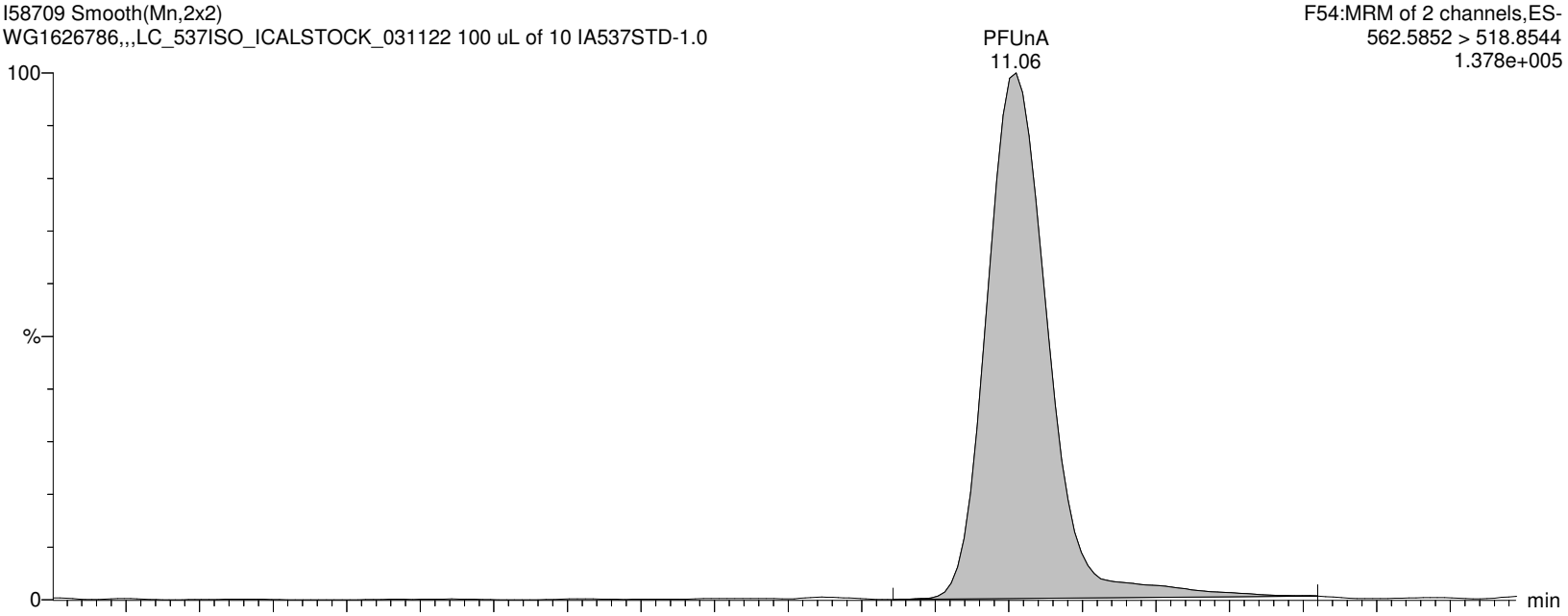


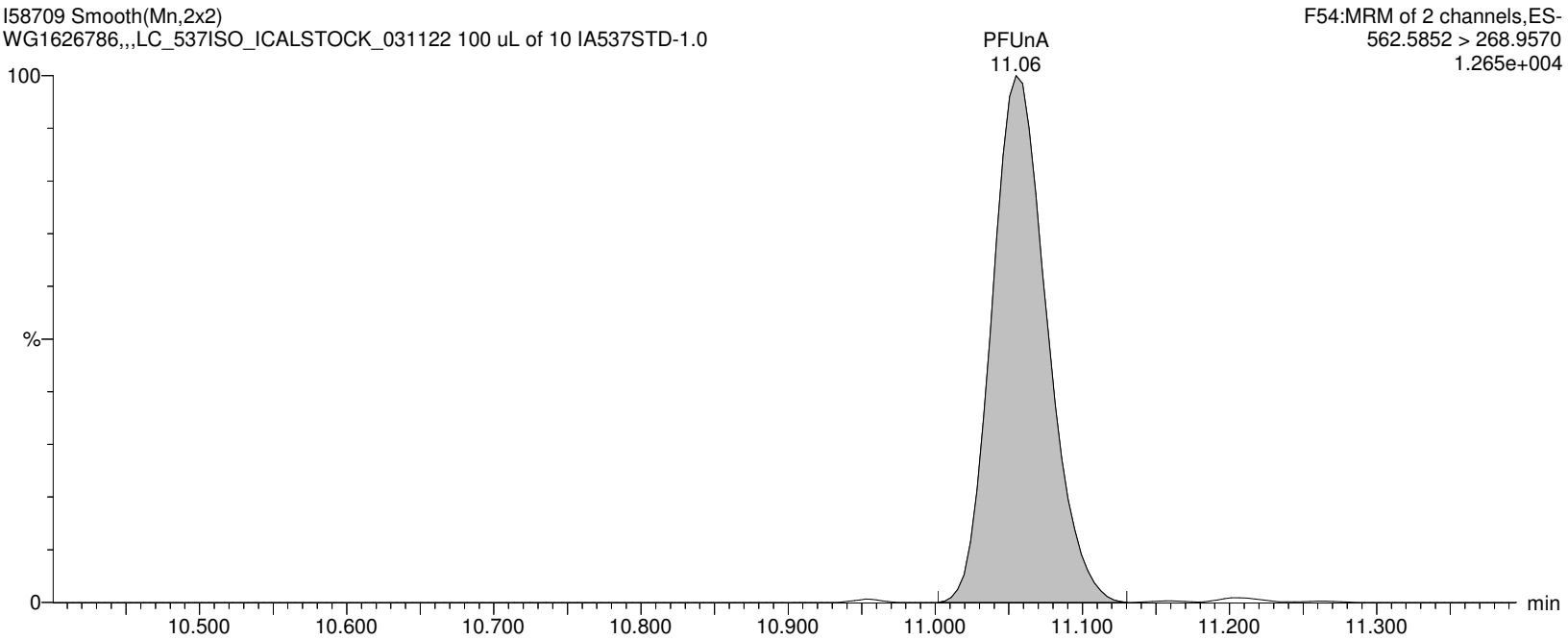
all concentration units in (ng/mL)

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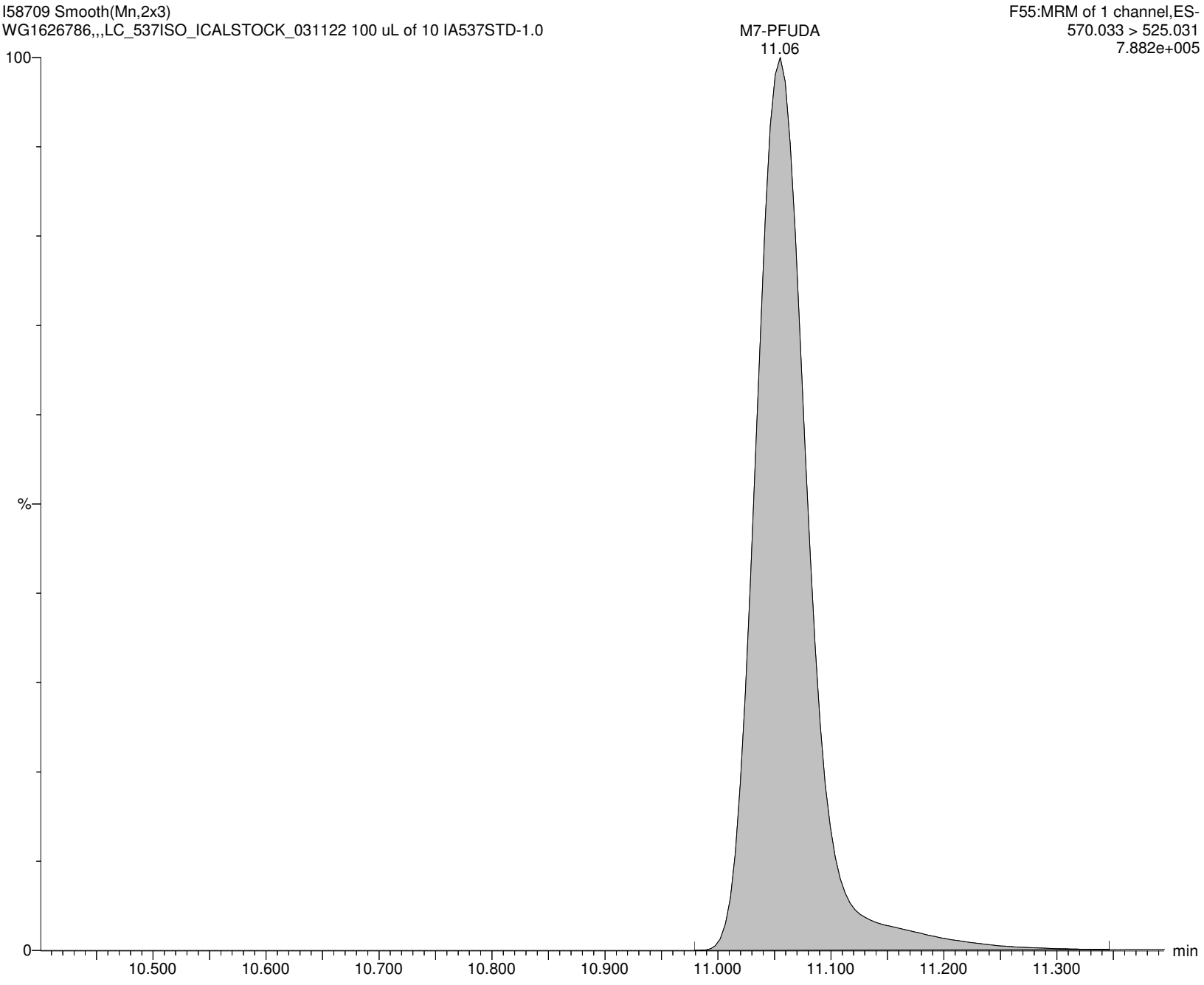


all concentration units in (ng/mL)

Alpha Analytical Inc.
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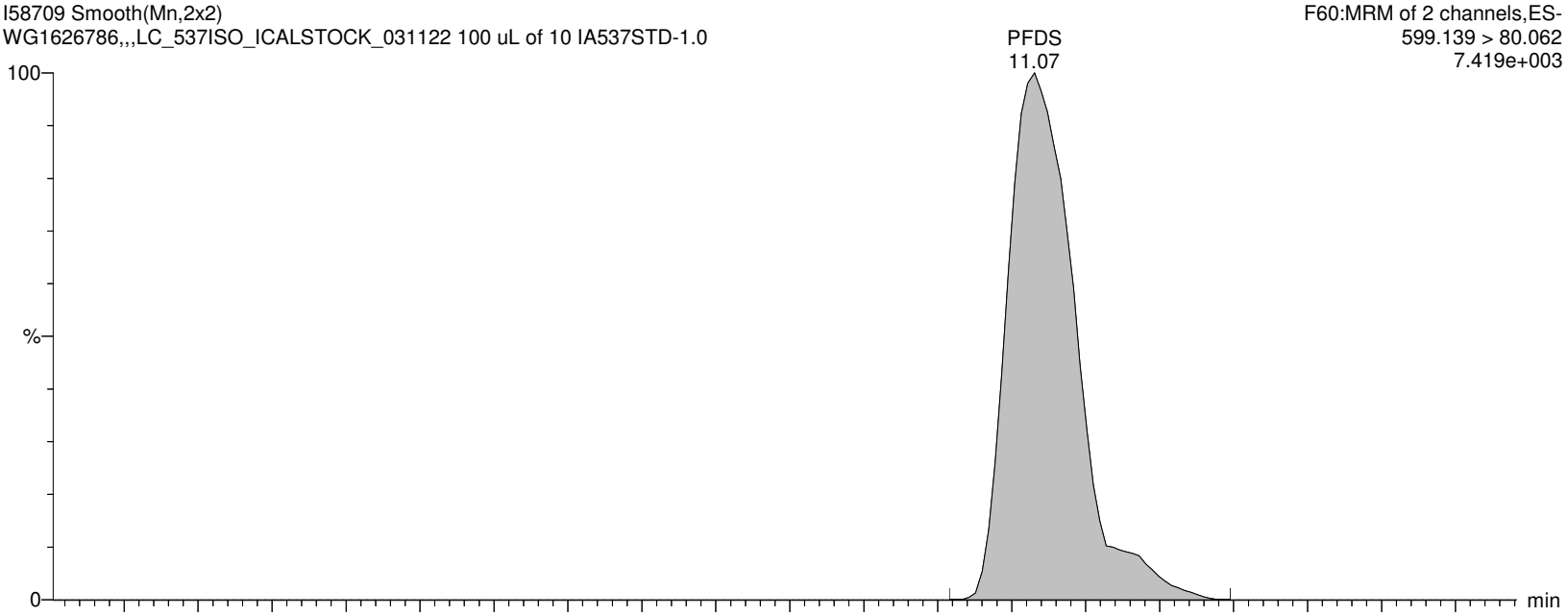


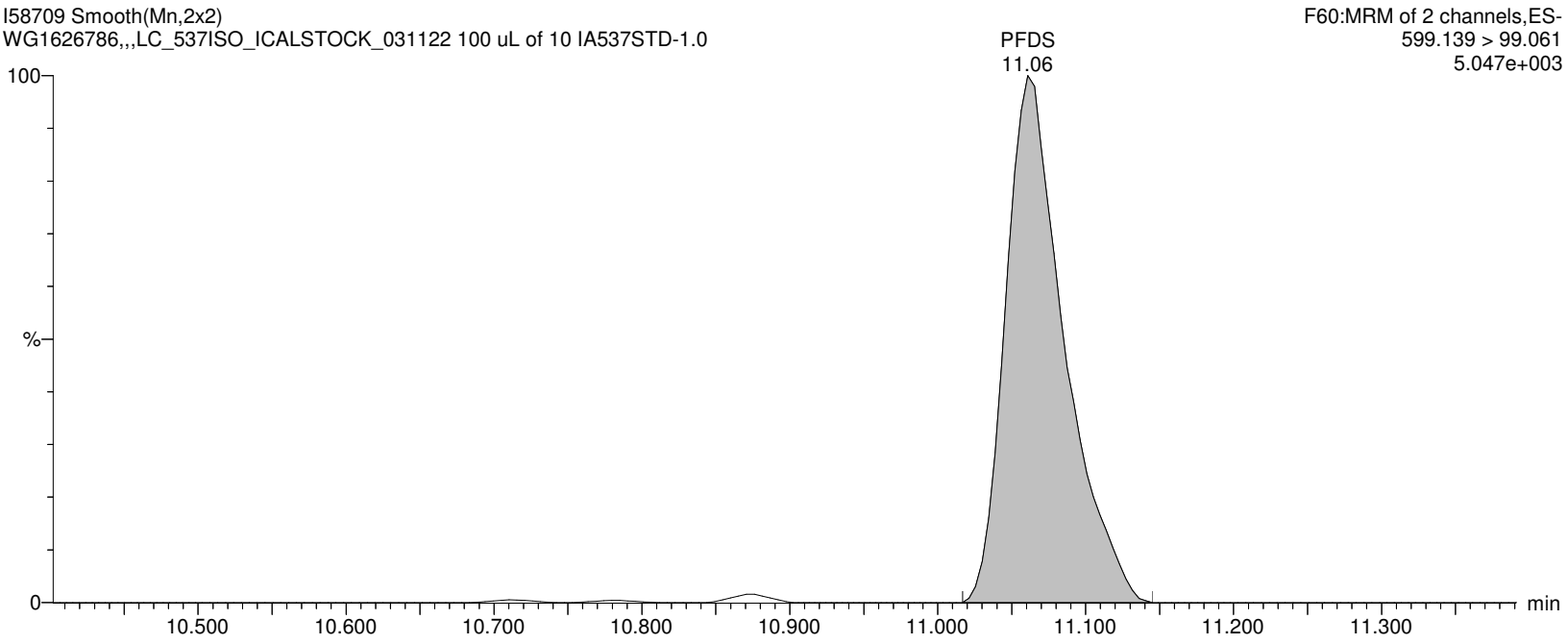
all concentration units in (ng/mL)

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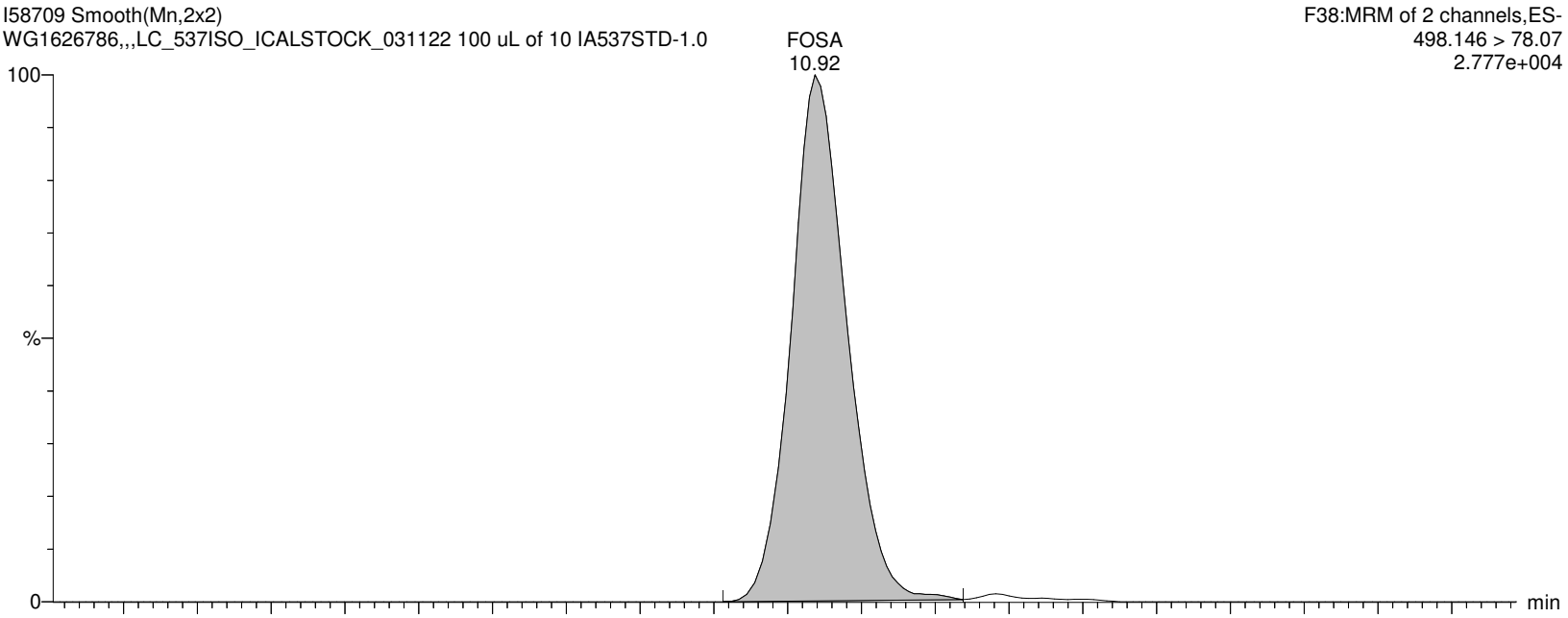


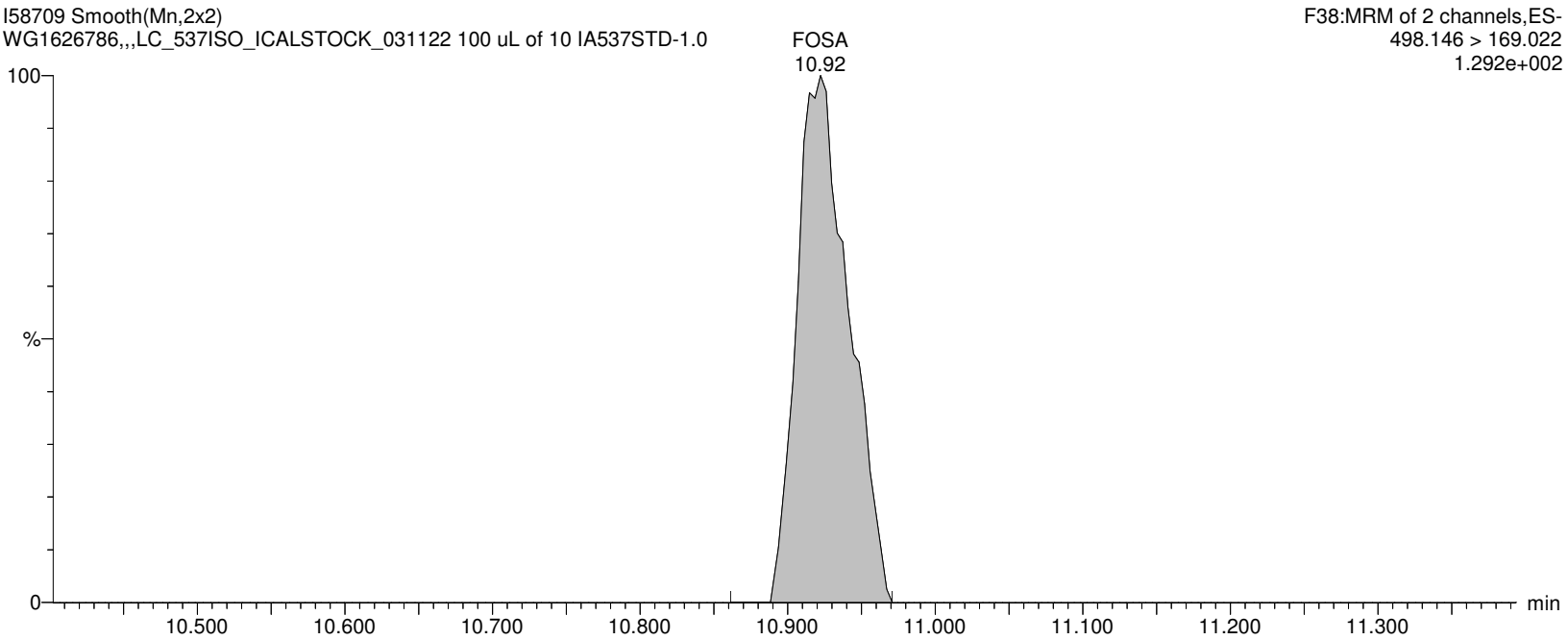
all concentration units in (ng/mL)

Alpha Analytical Inc.
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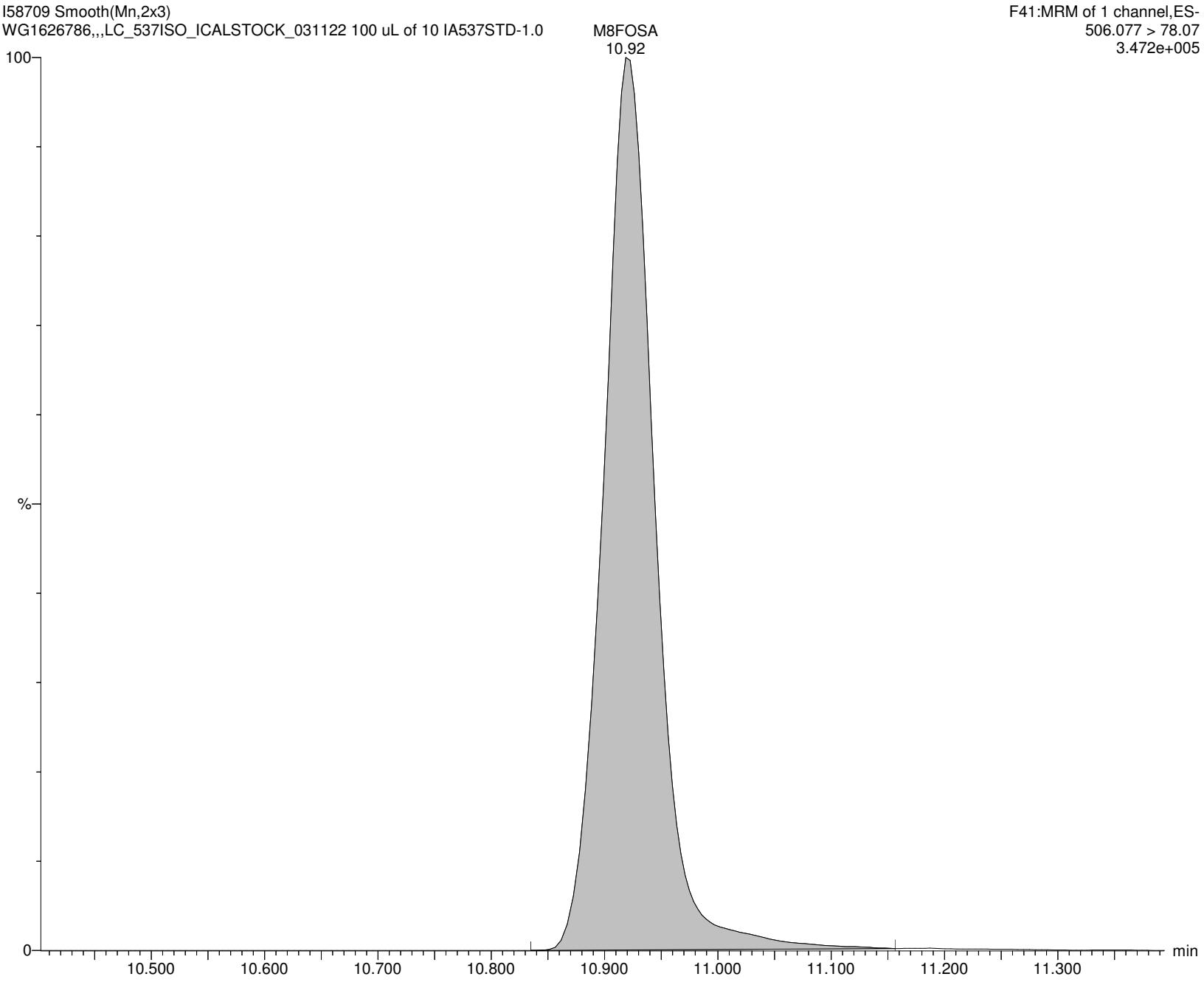


all concentration units in (ng/mL)

Alpha Analytical Inc.
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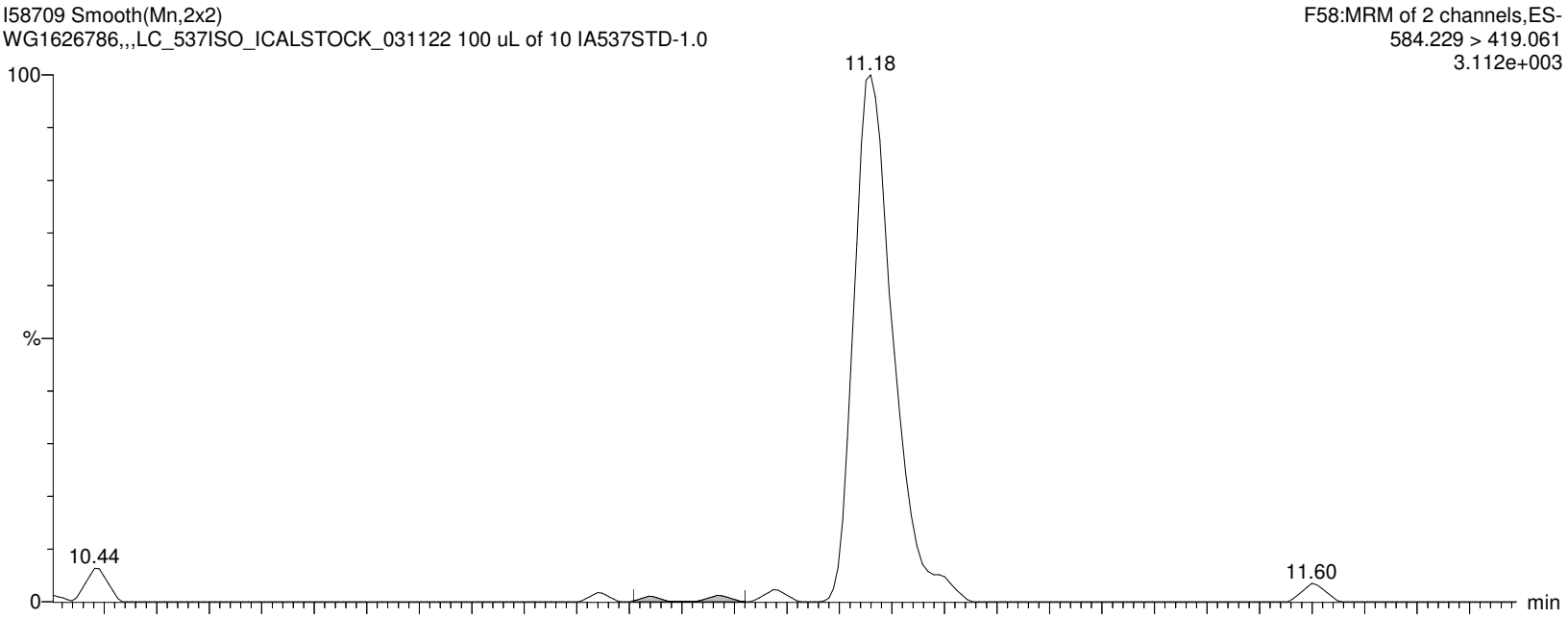


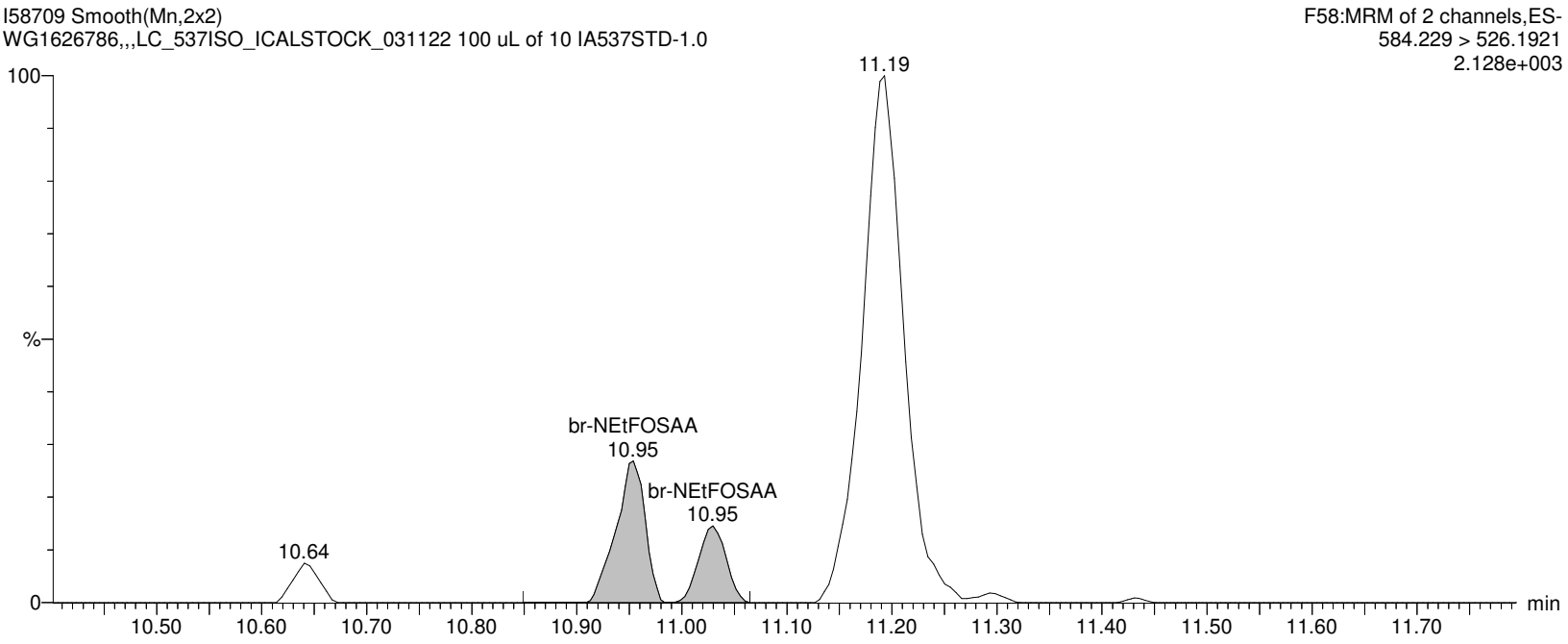
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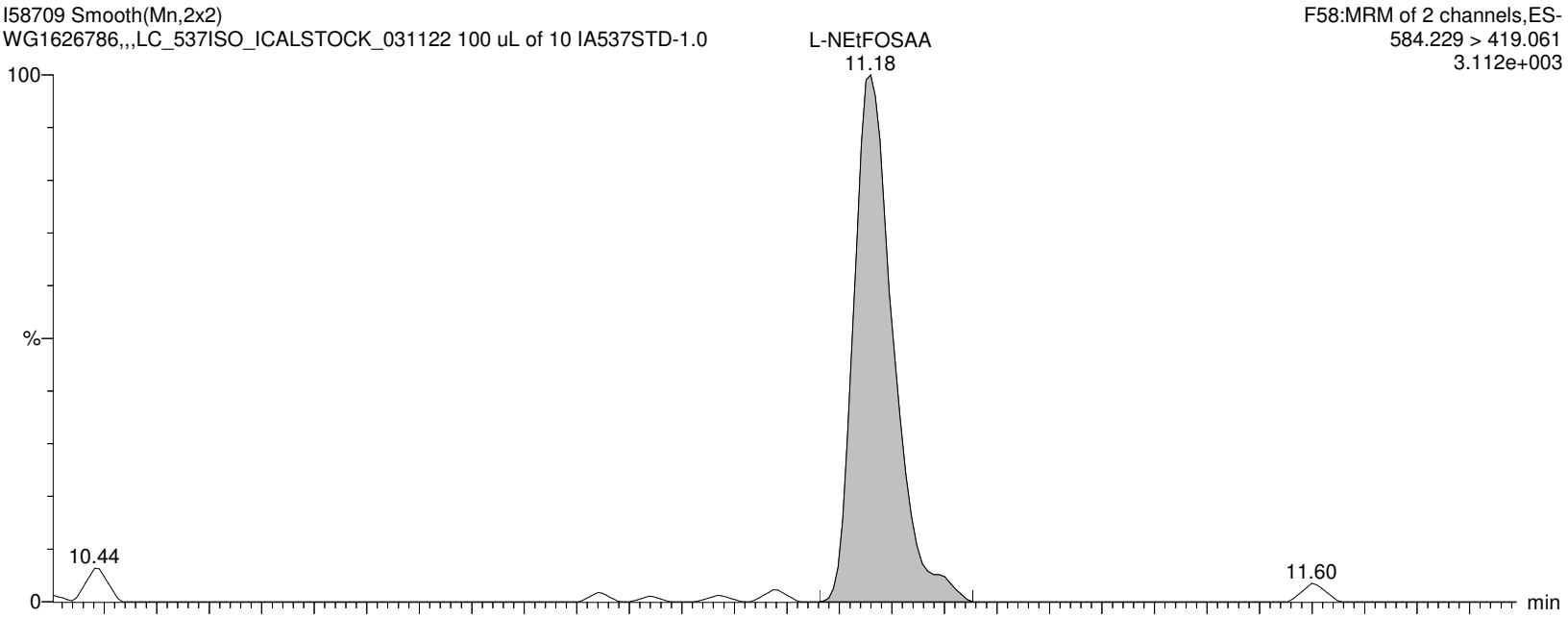


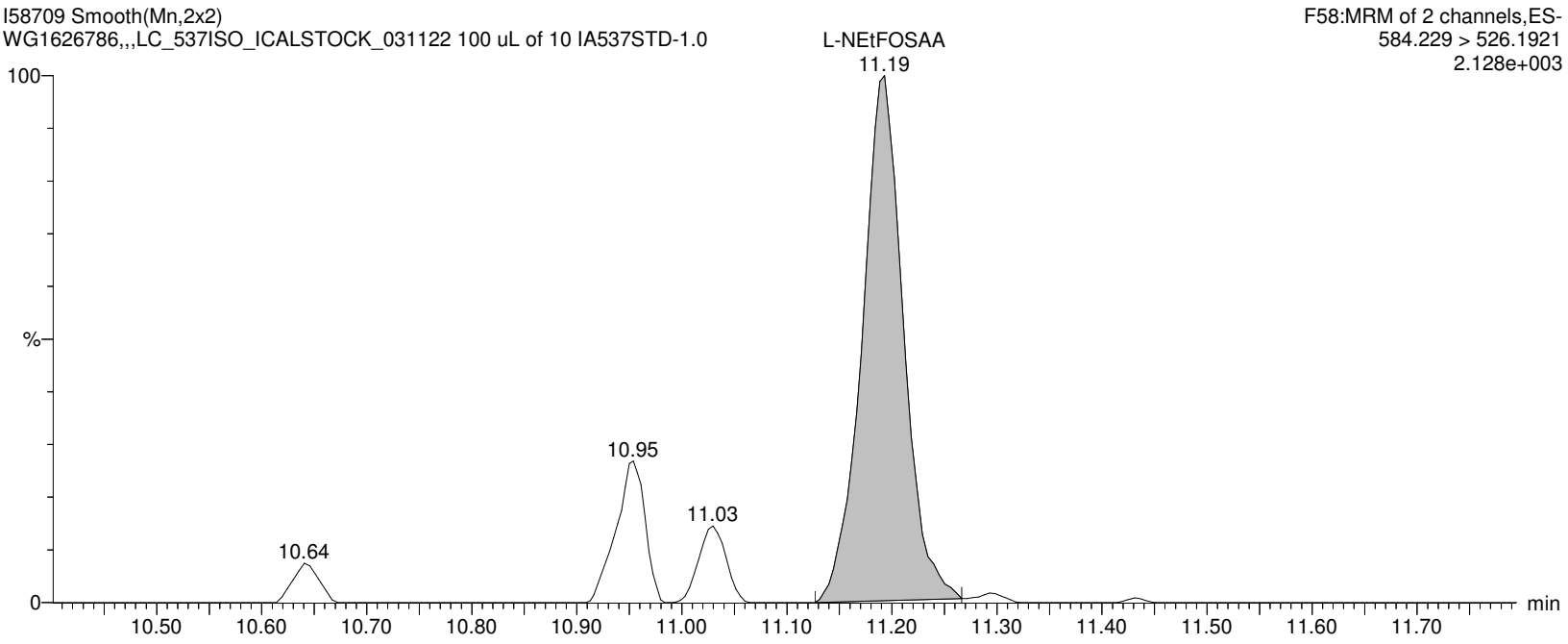
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L-NEtFOSAA



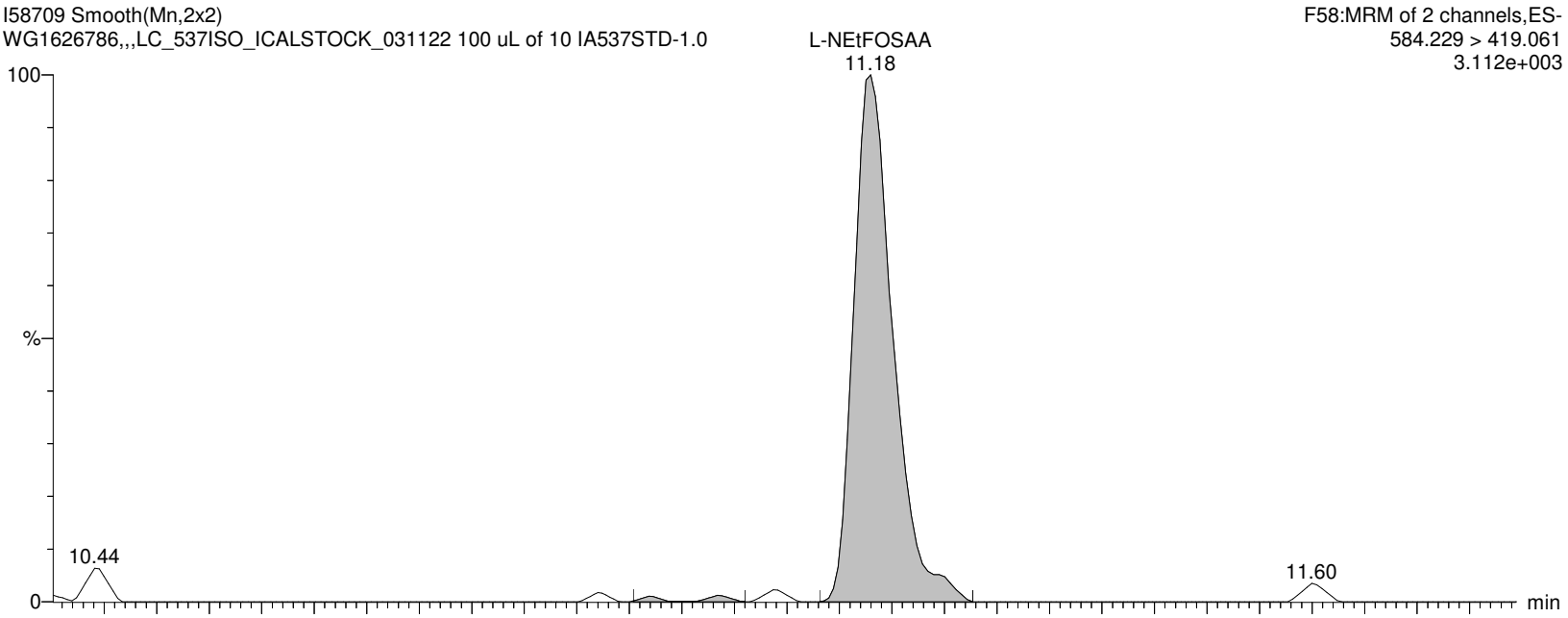


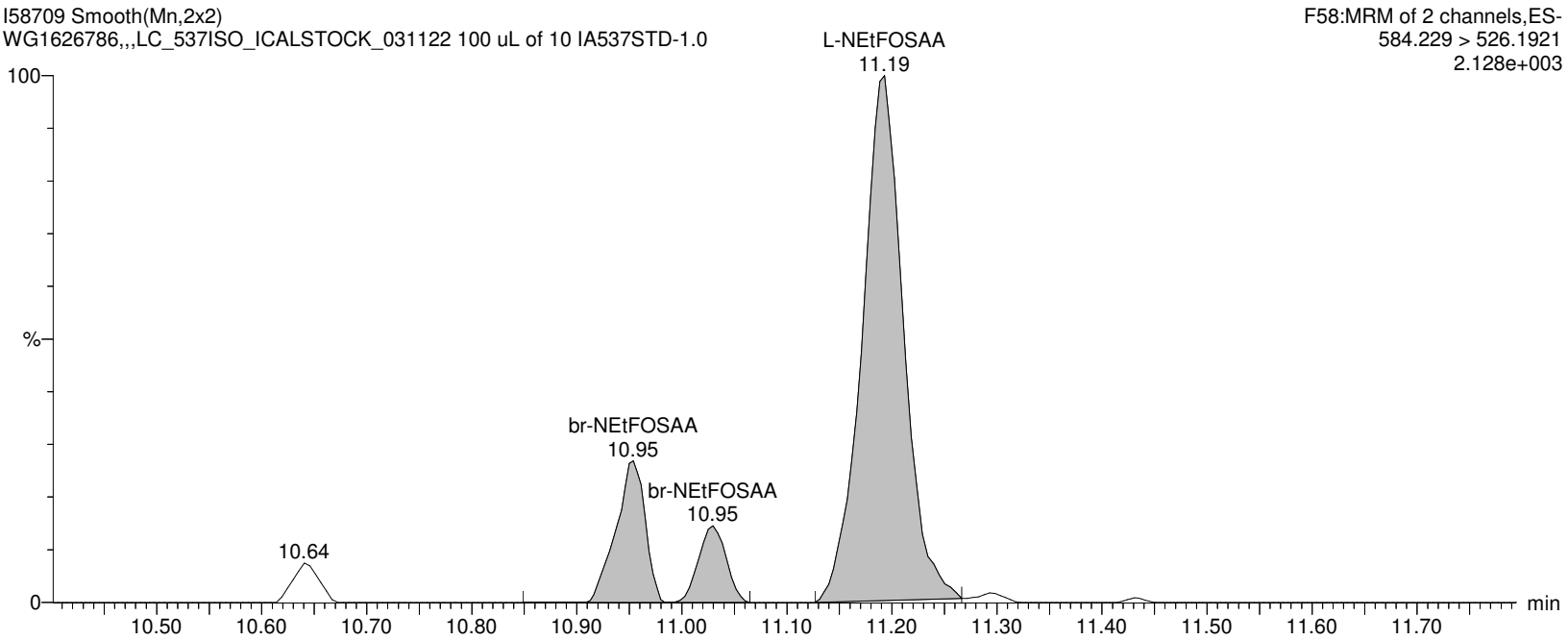
all concentration units in (ng/mL)

Alpha Analytical Inc.
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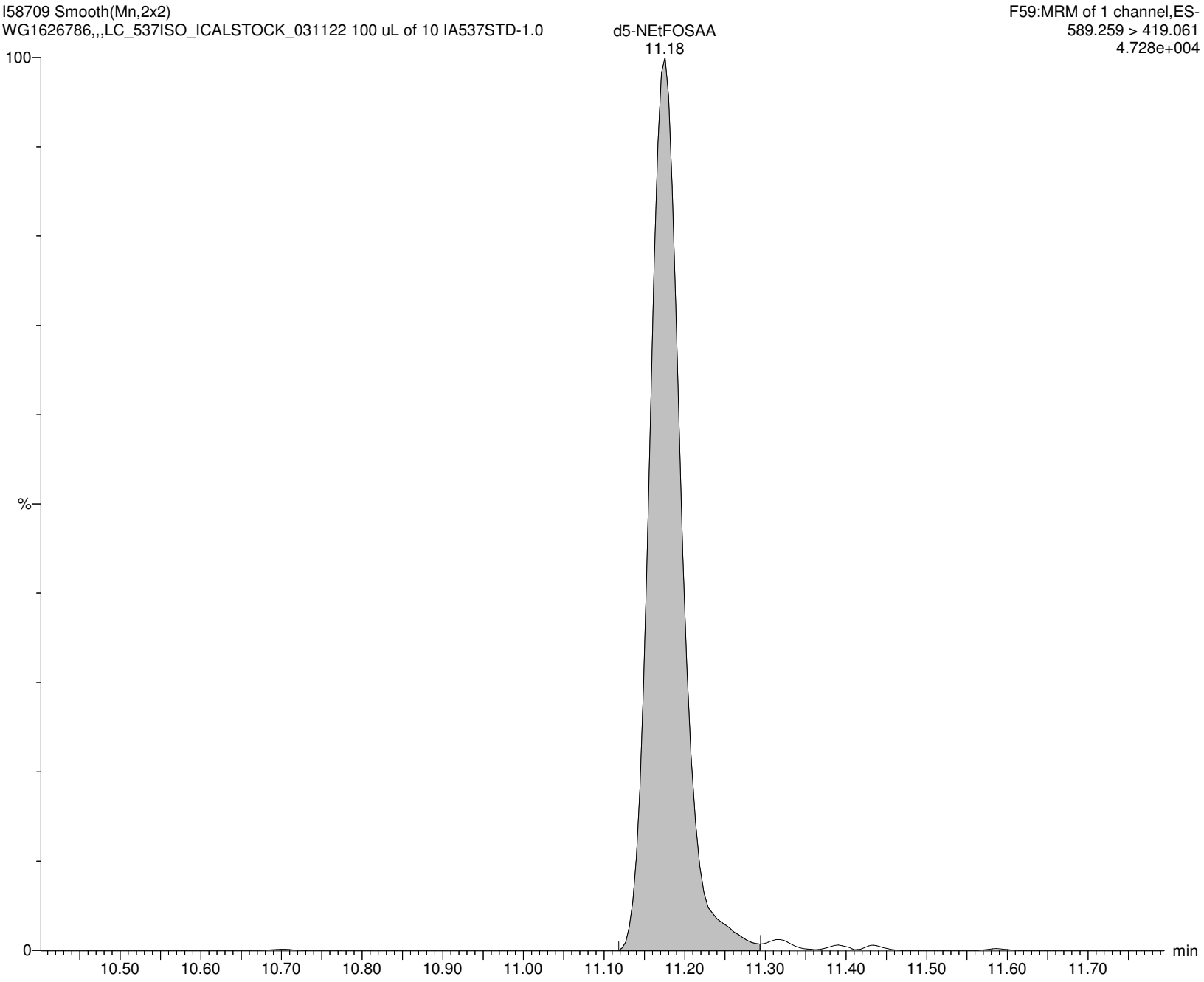


all concentration units in (ng/mL)

Alpha Analytical Inc.
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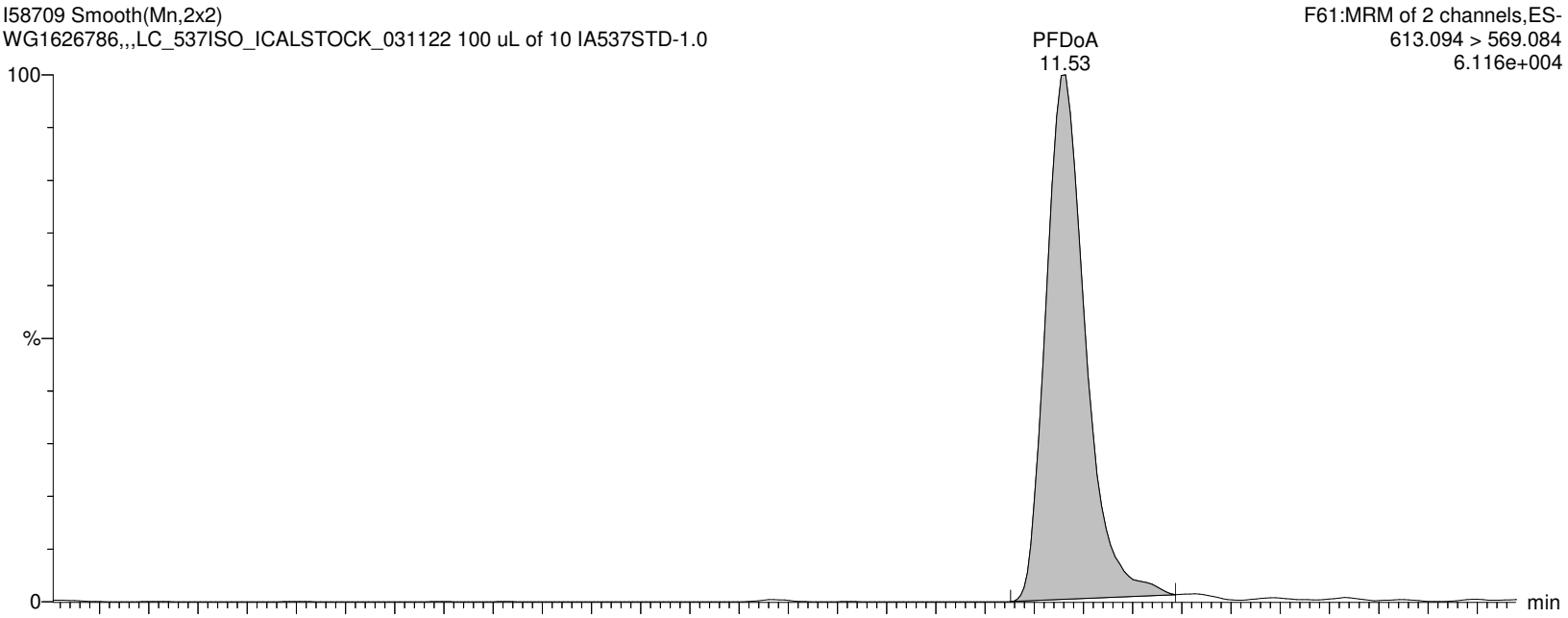


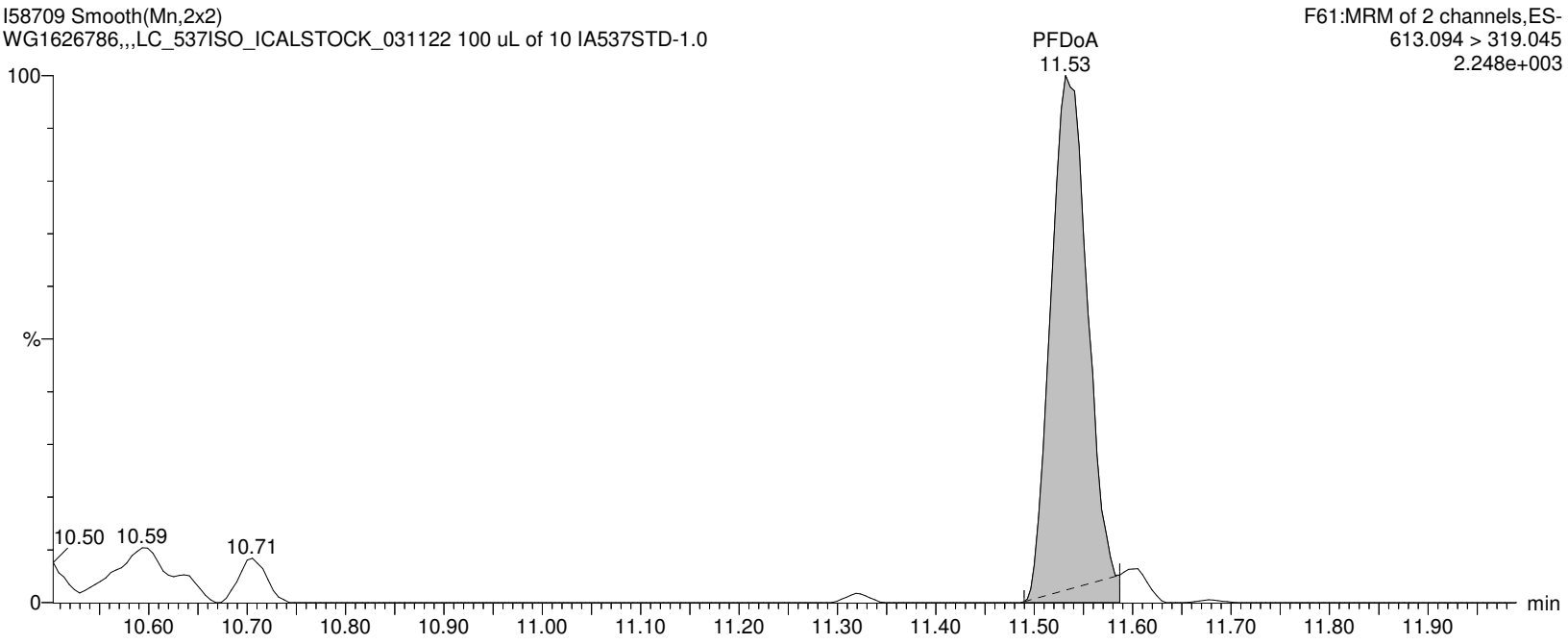
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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PFDoA



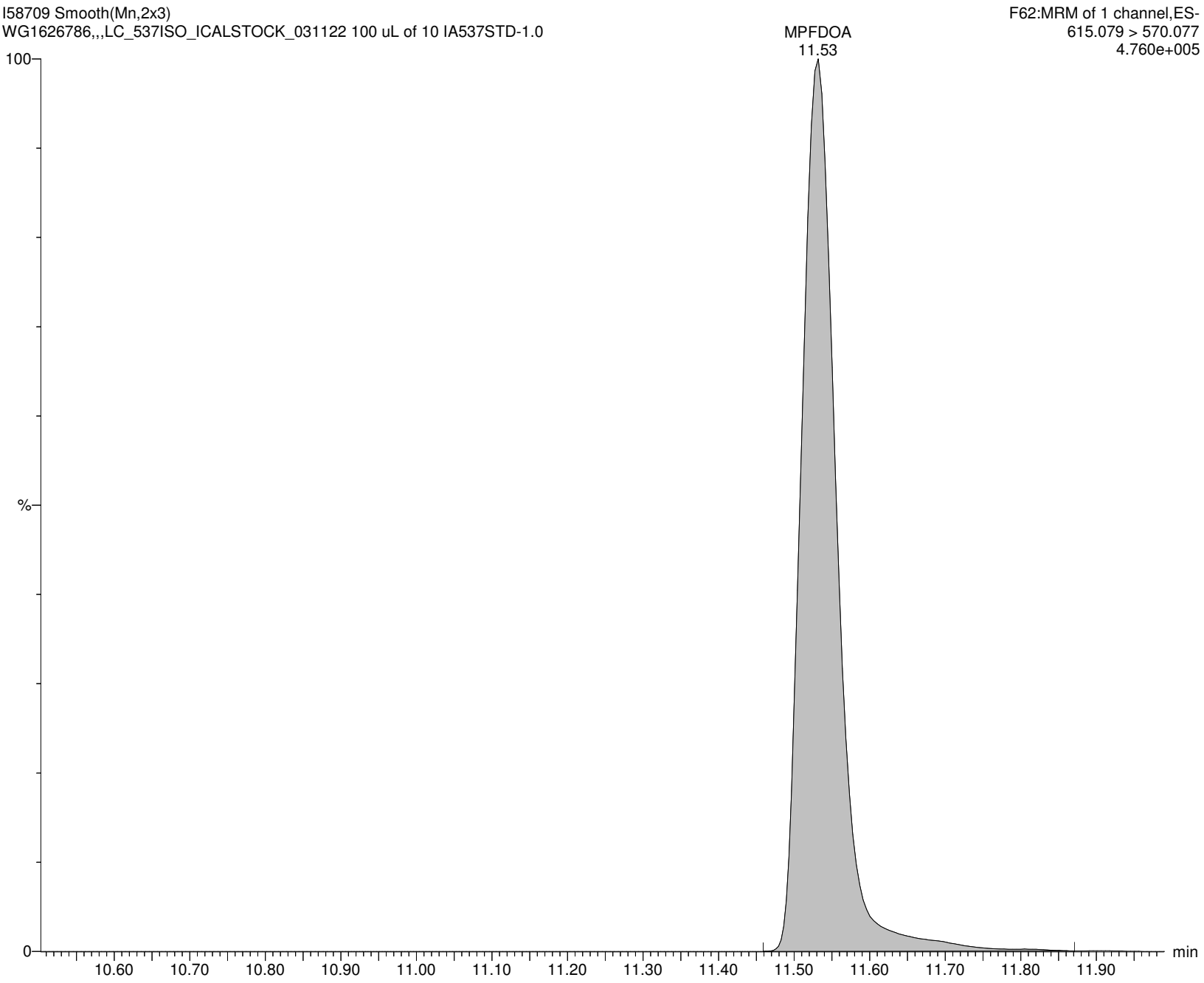


all concentration units in (ng/mL)

Alpha Analytical Inc.
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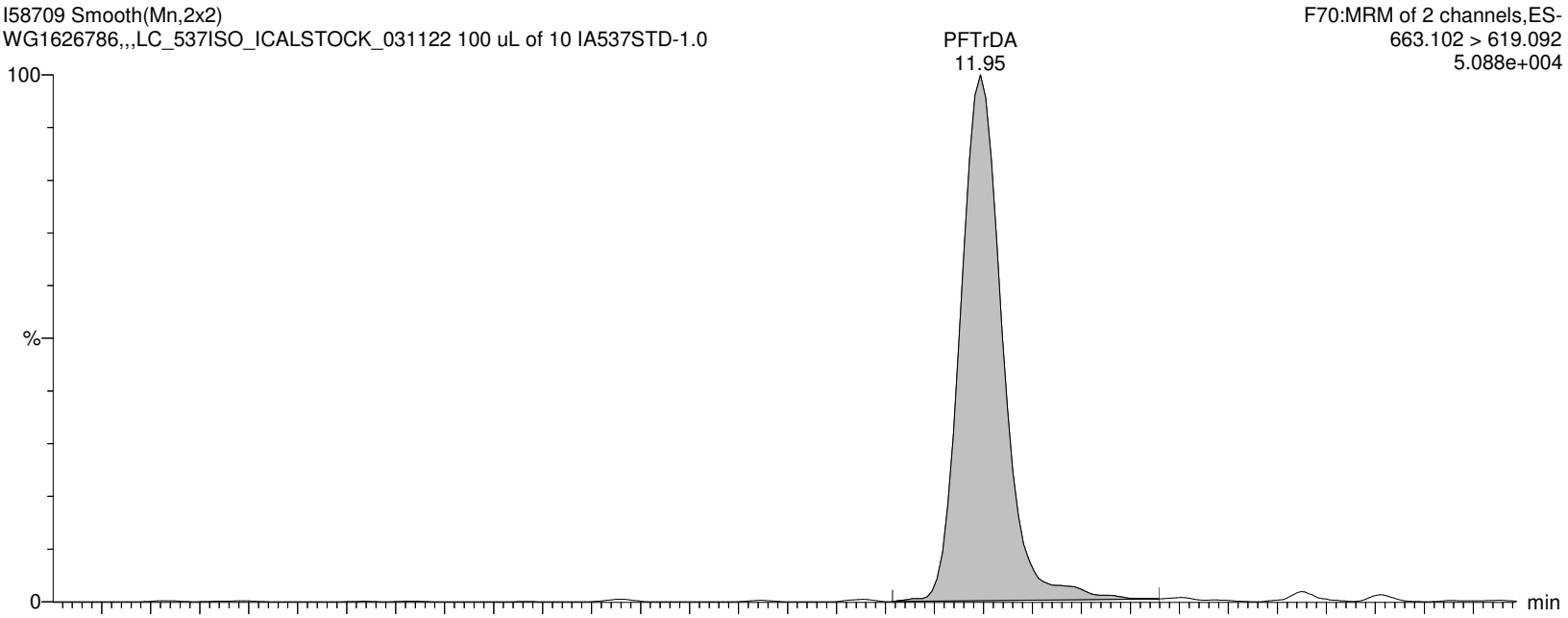


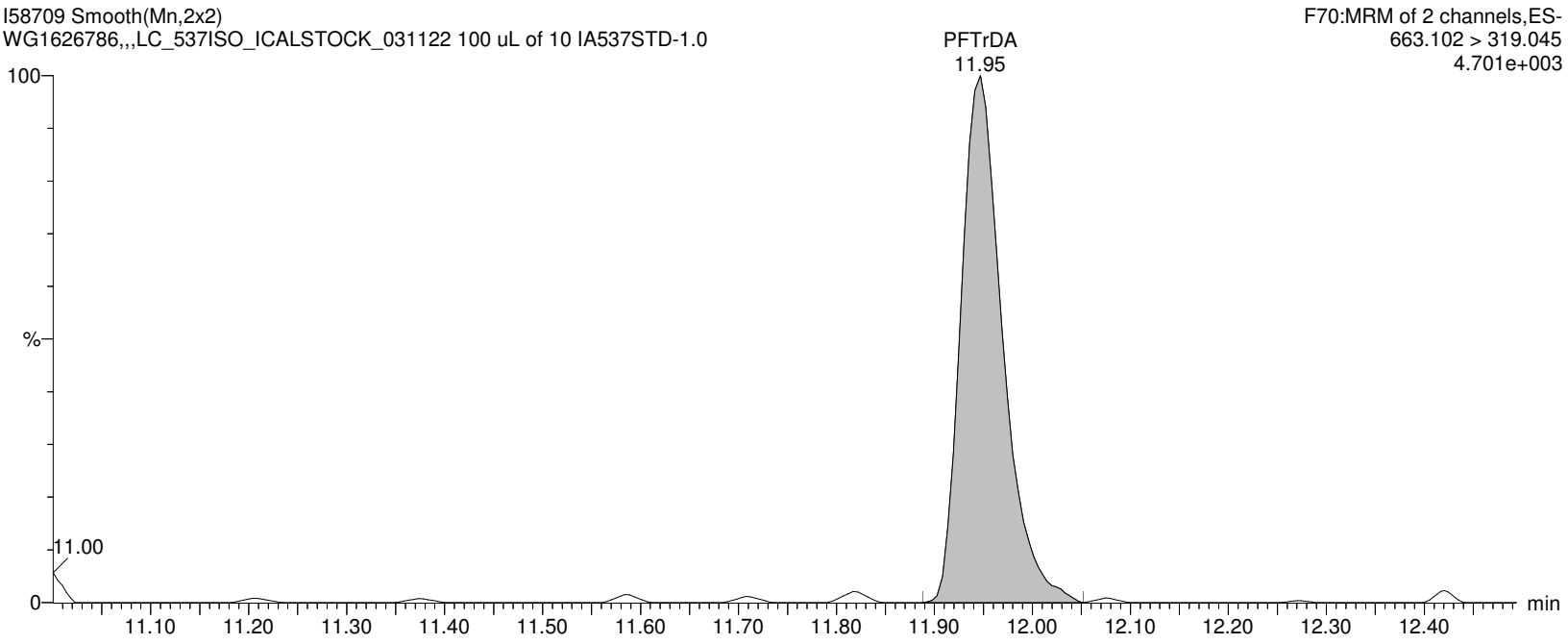
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:12 Eastern Daylight Time

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ID: IA537STD-1.0
Date: 13-Apr-2022
Time: 16:33:12
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Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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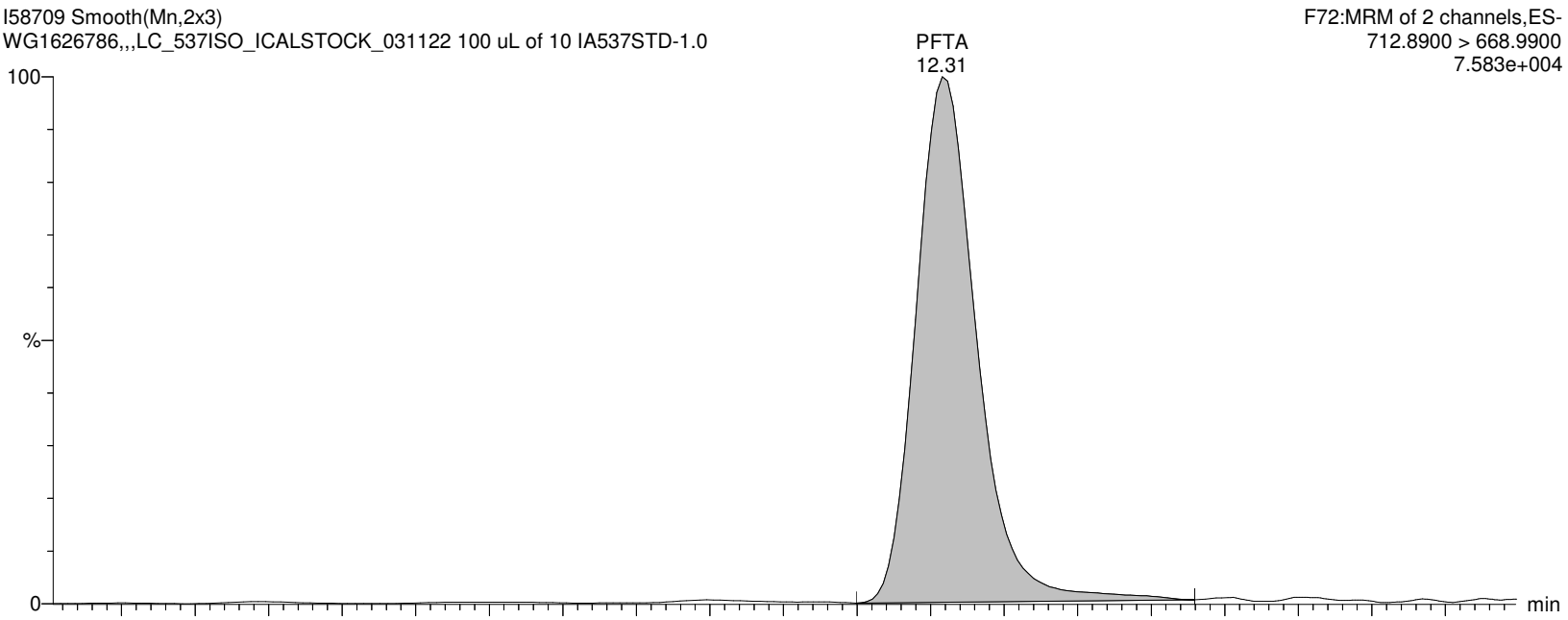


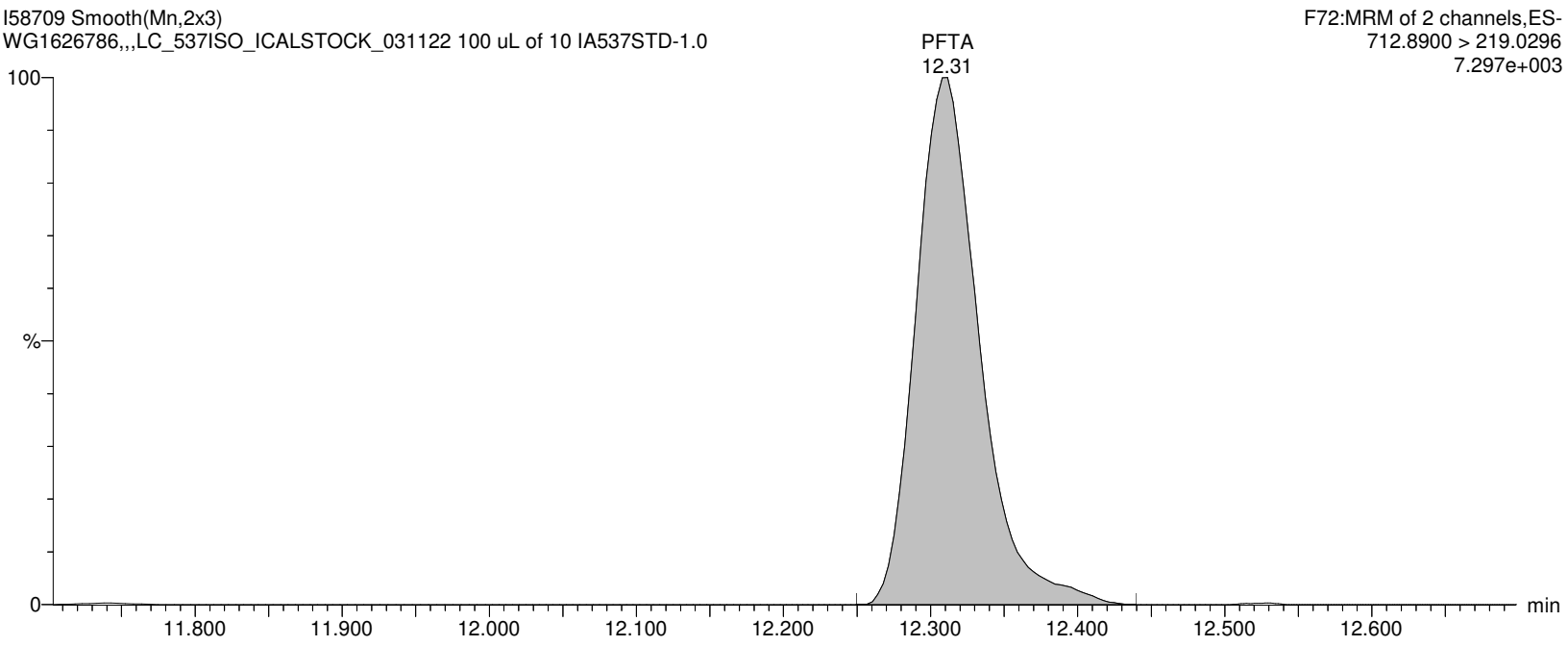
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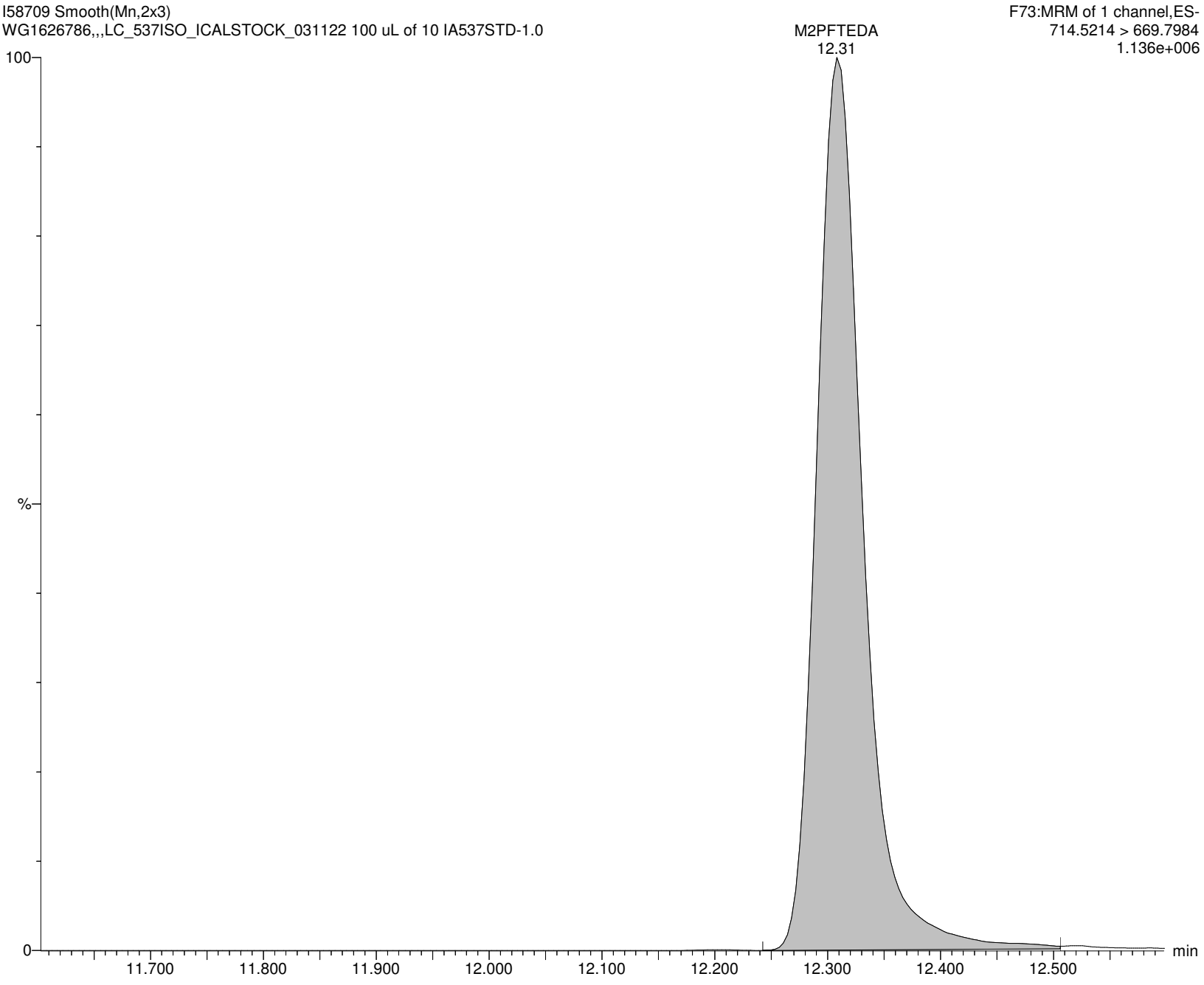


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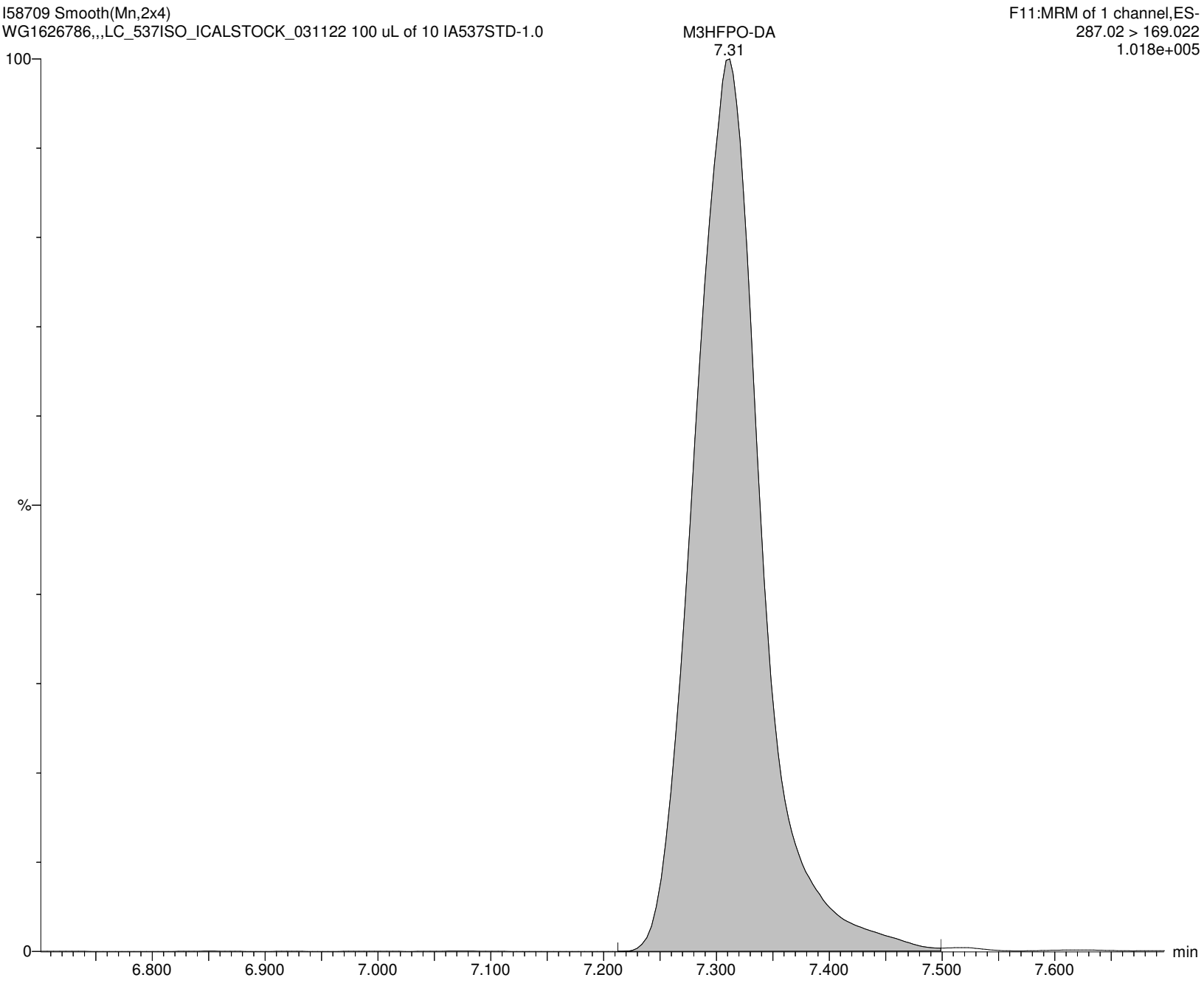


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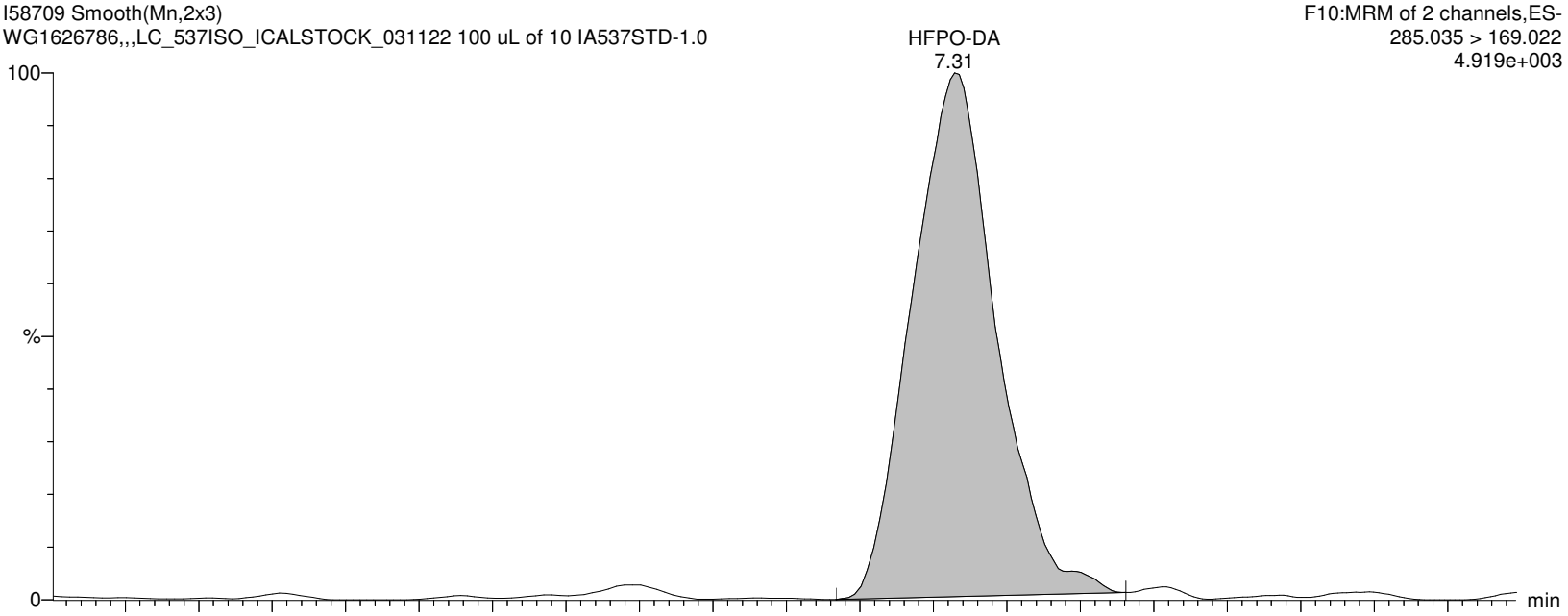


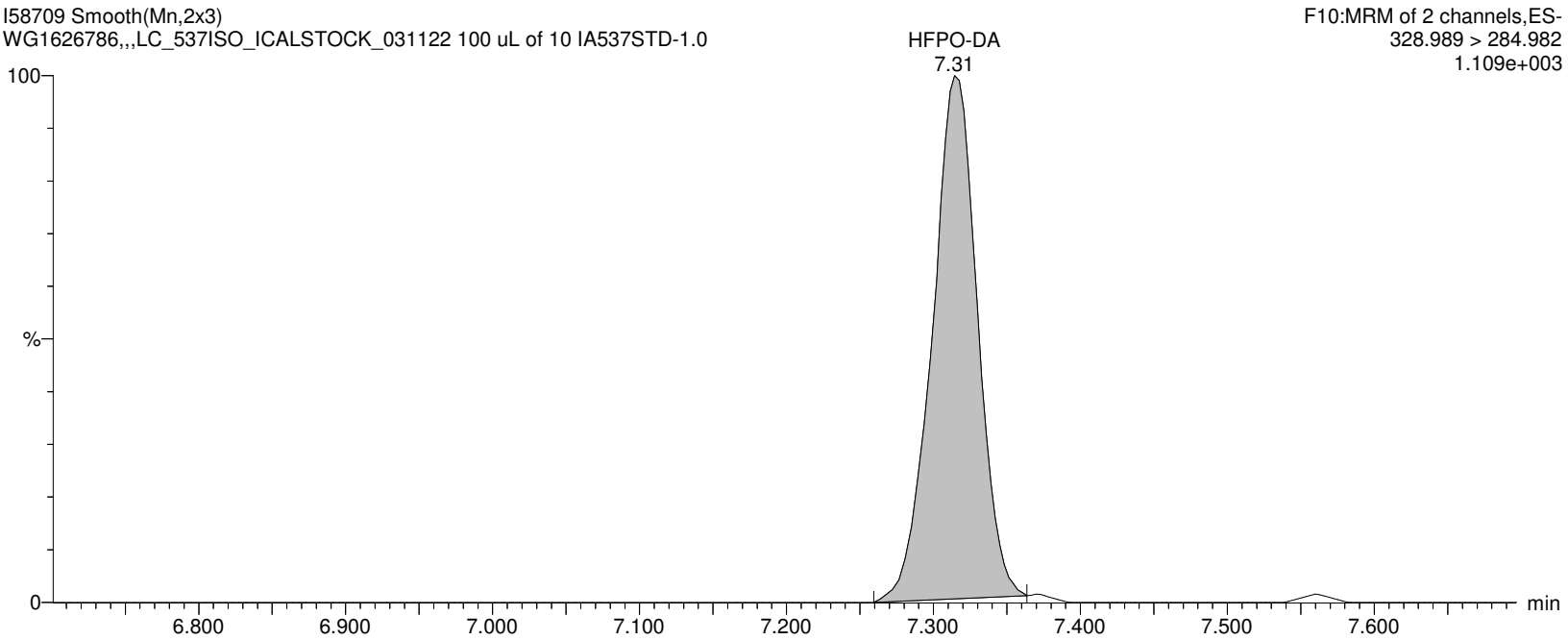
all concentration units in (ng/mL)

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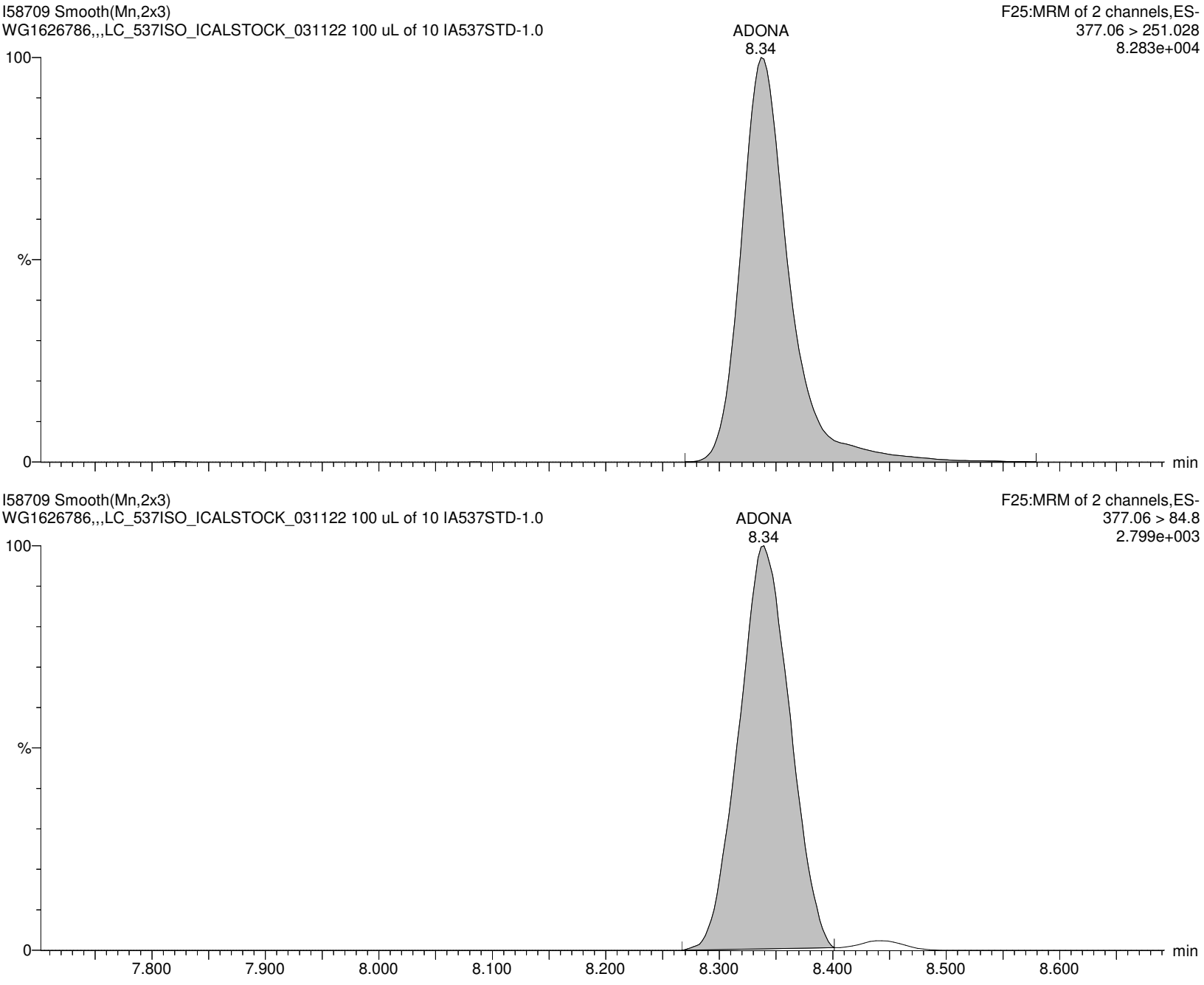


all concentration units in (ng/mL)

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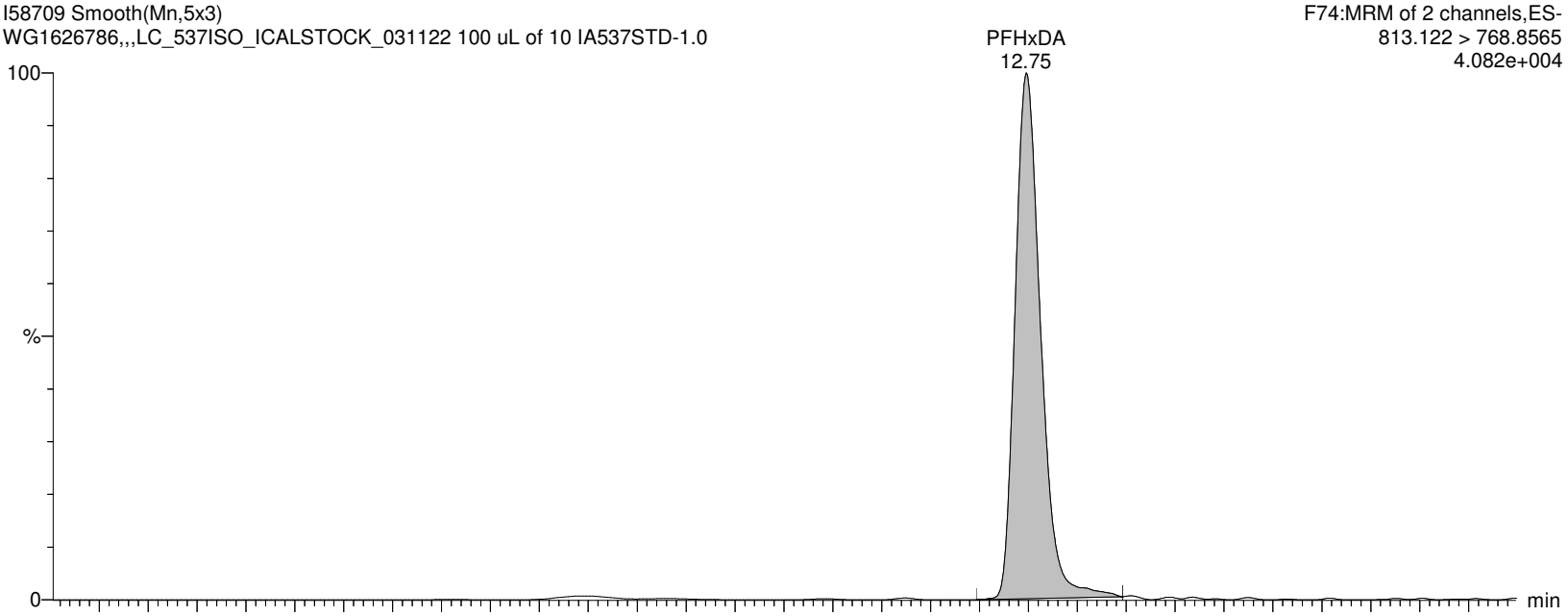


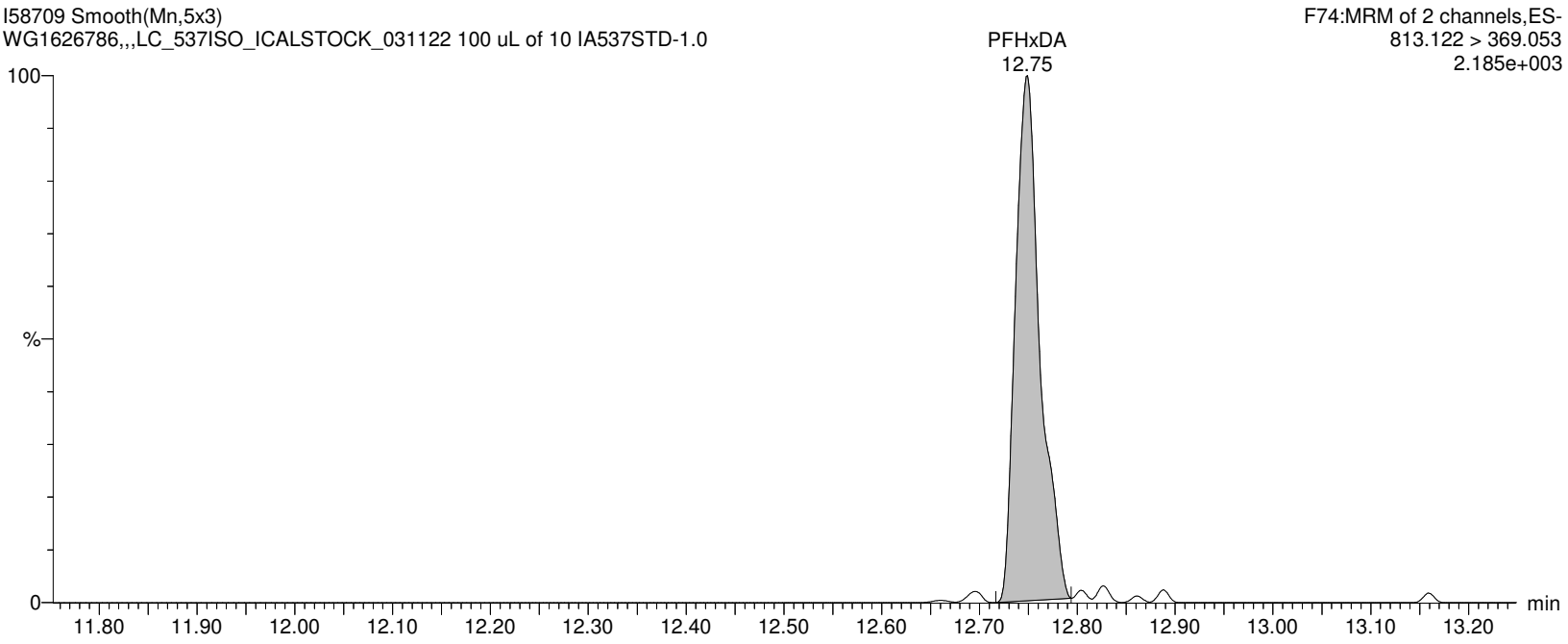
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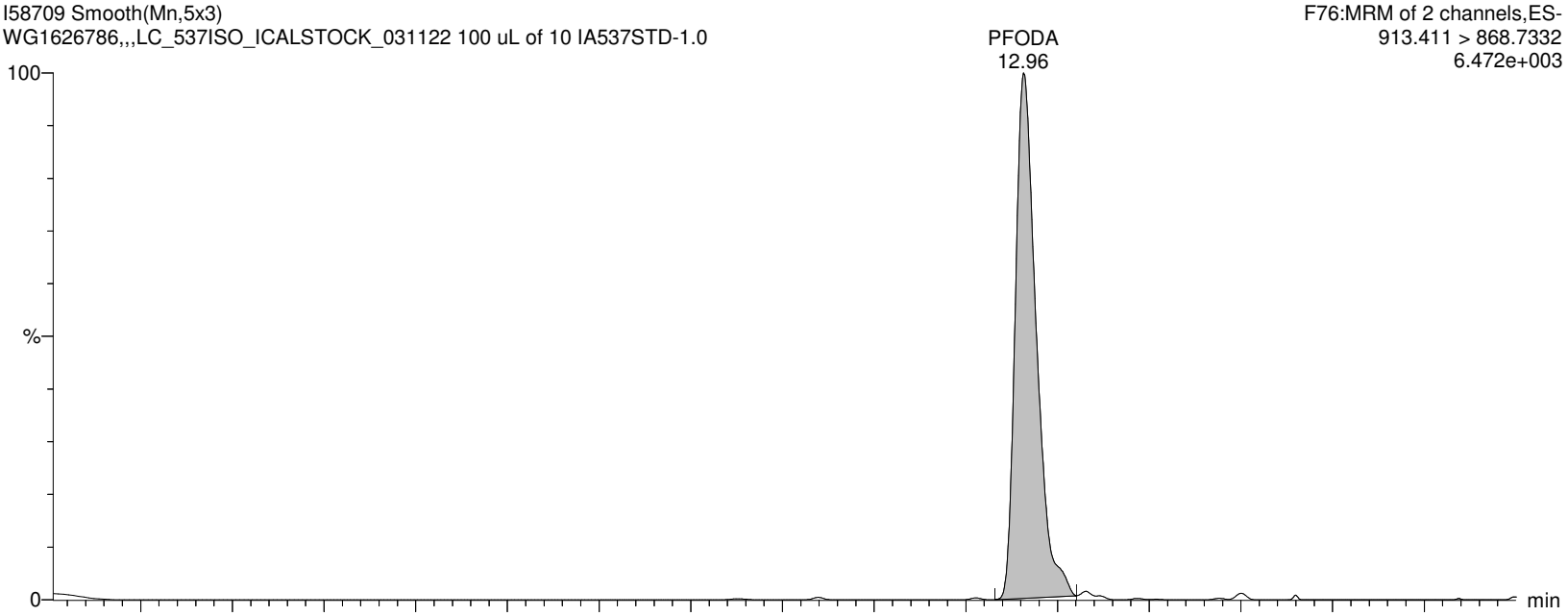


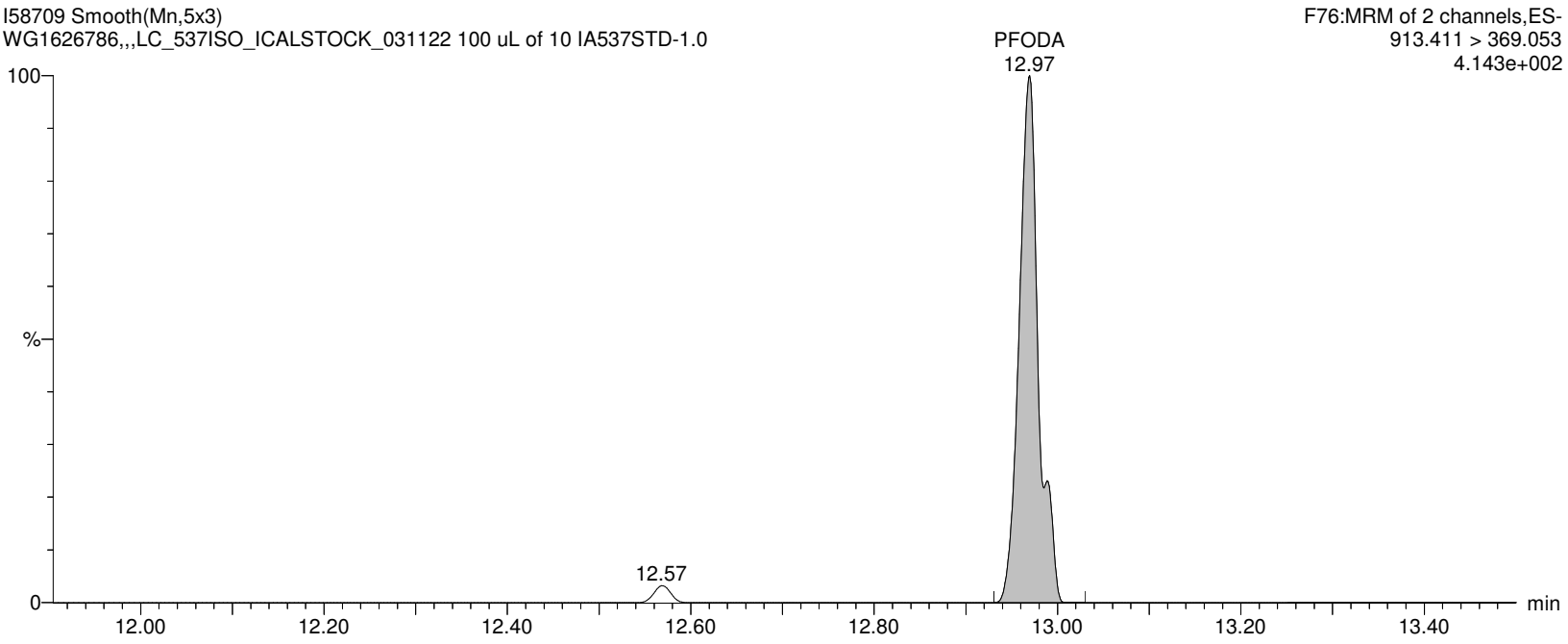
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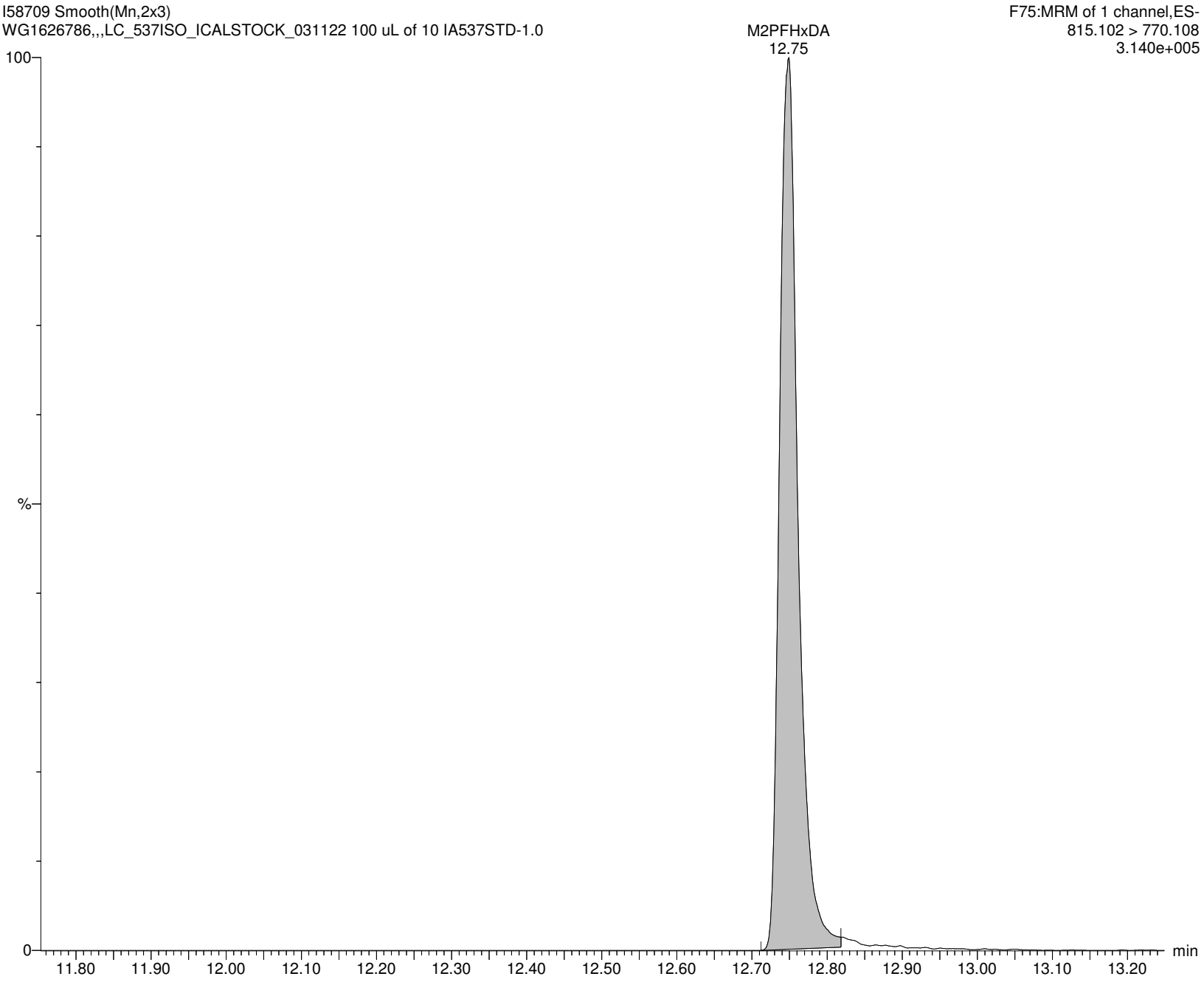


all concentration units in (ng/mL)

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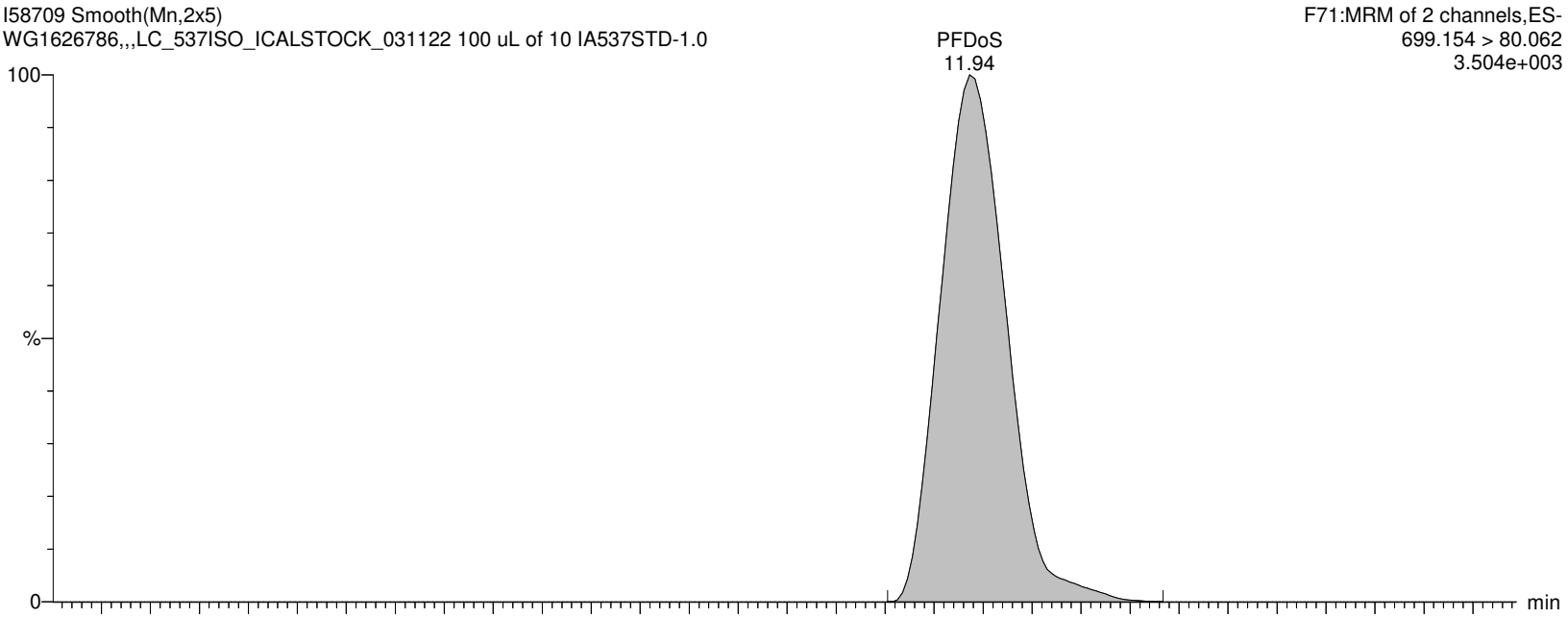


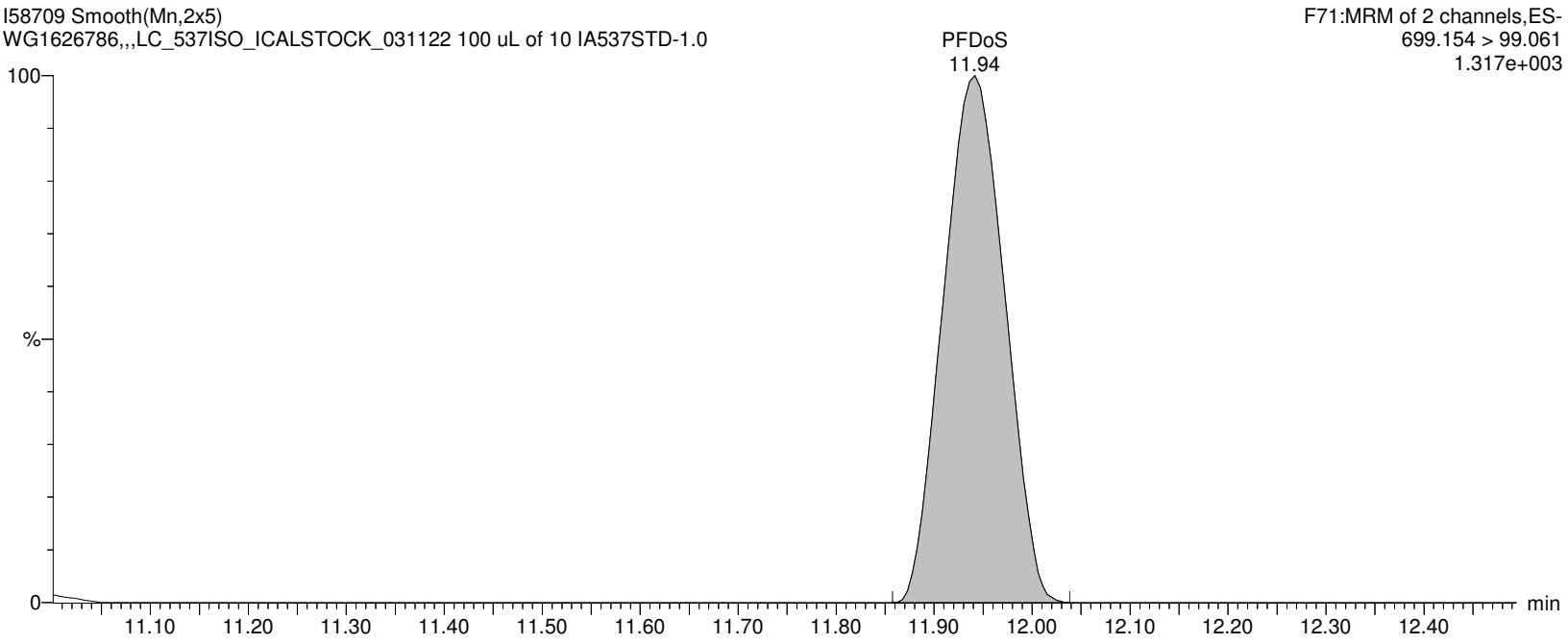
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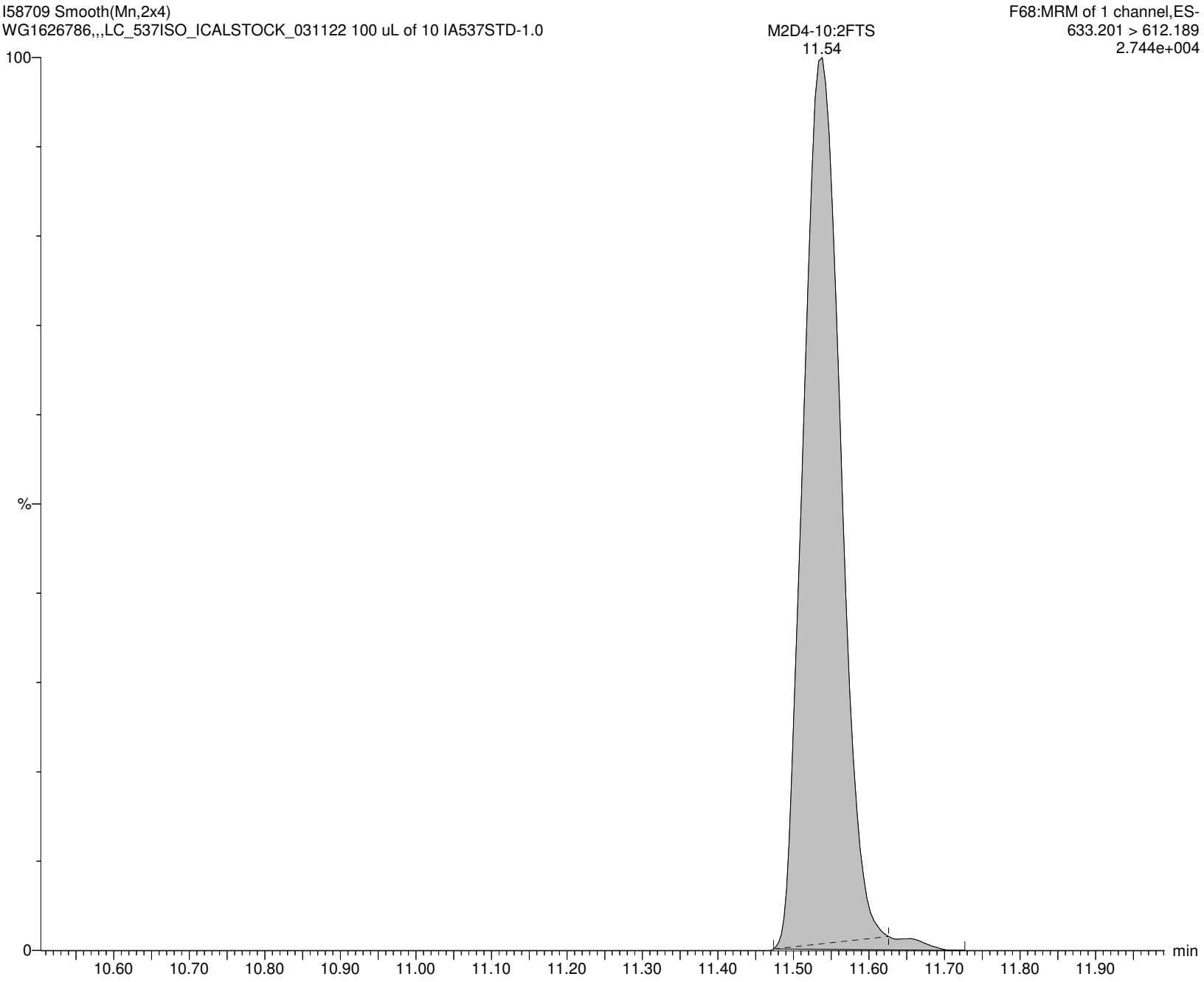


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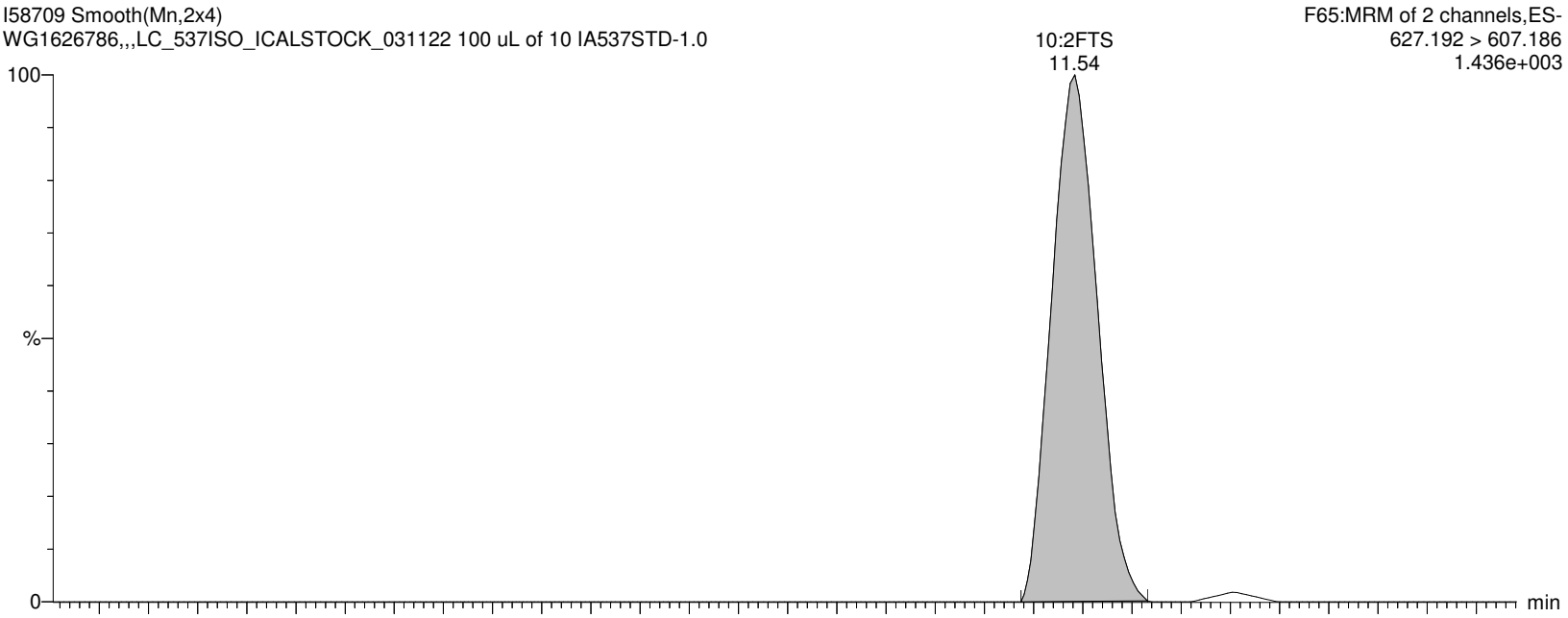


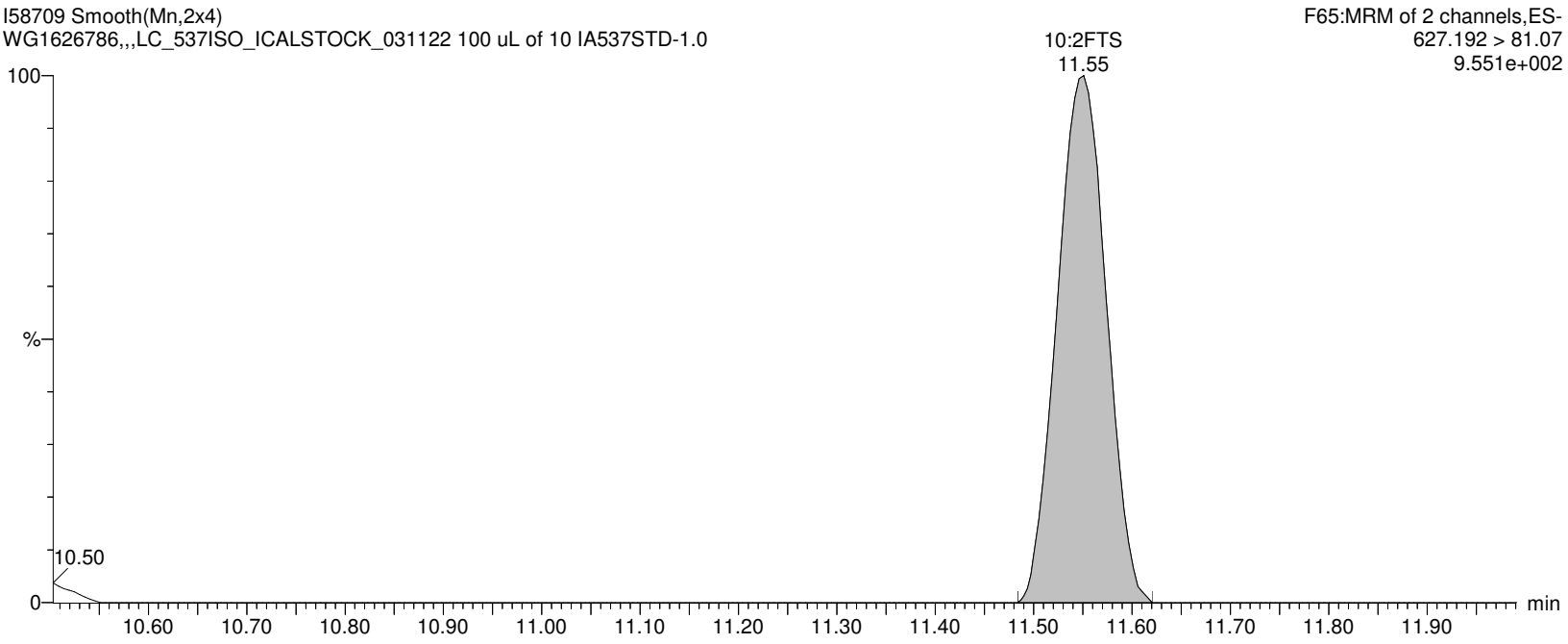
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10:2FTS



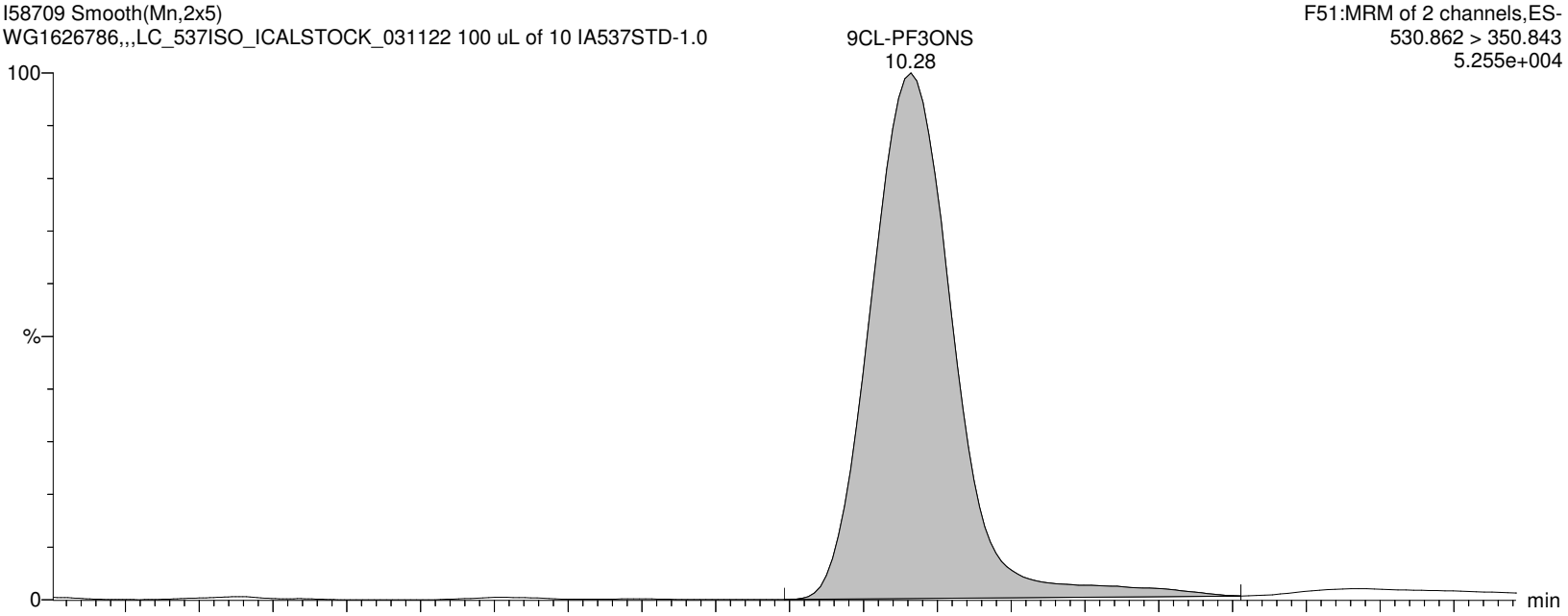


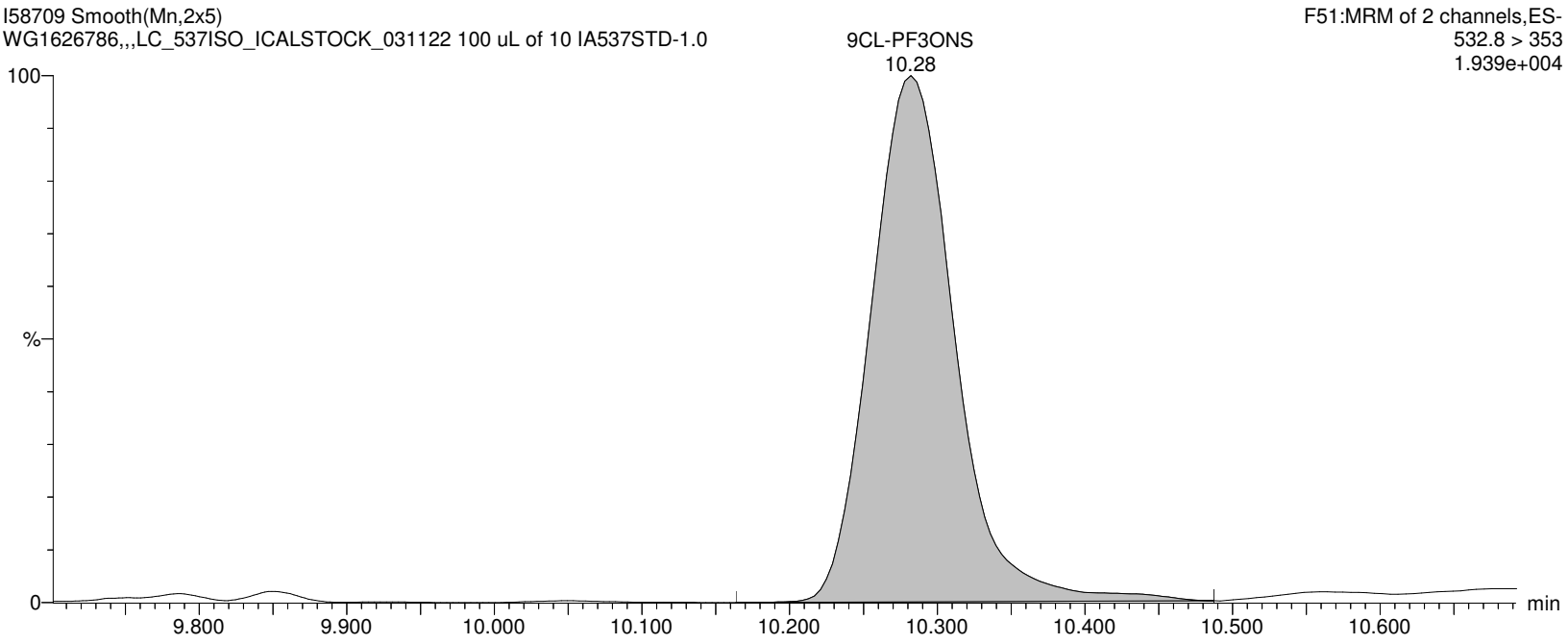
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9CL-PF3ONS



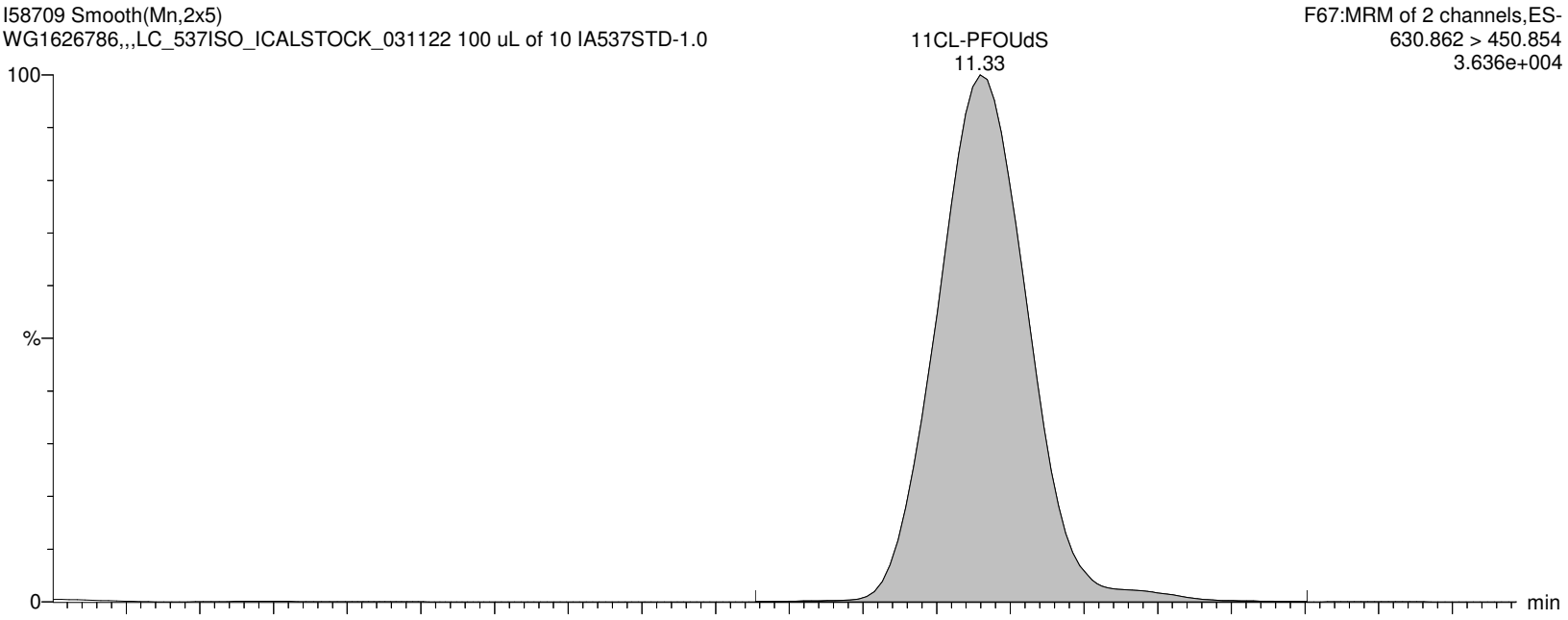


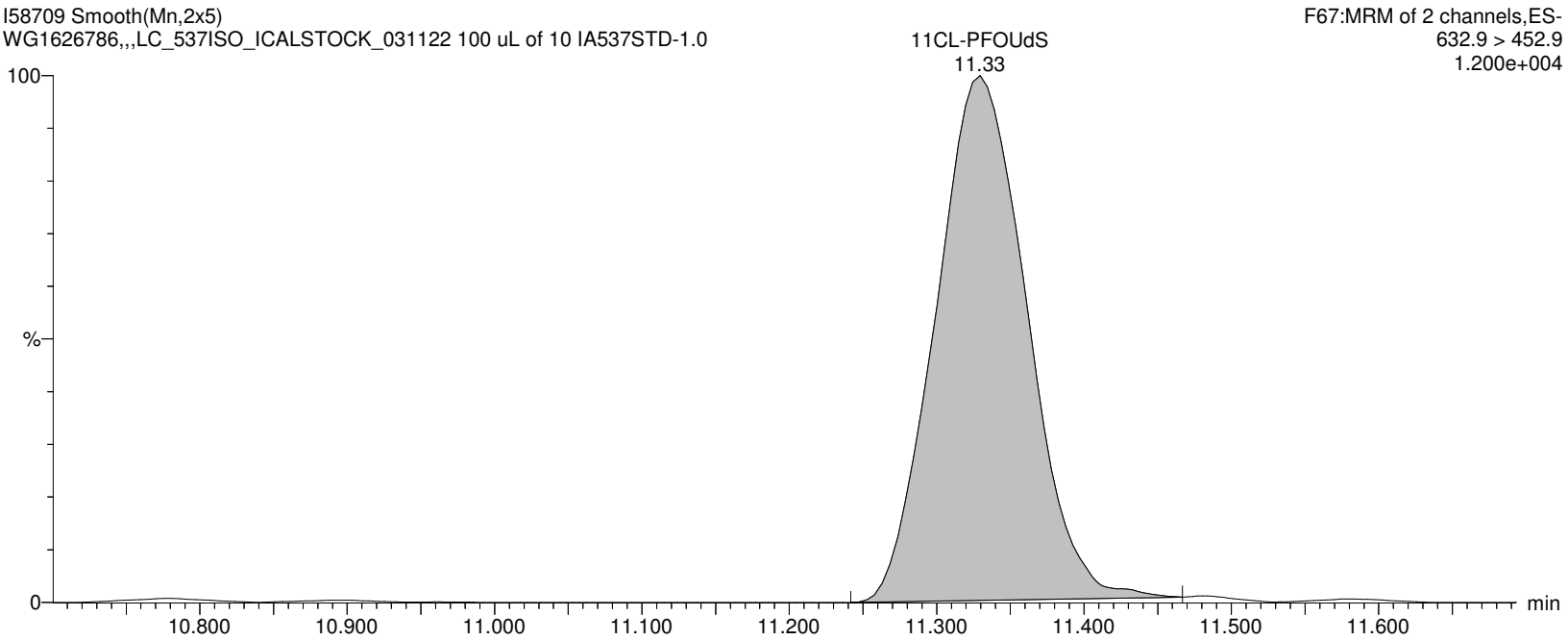
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11CL-PFOUdS



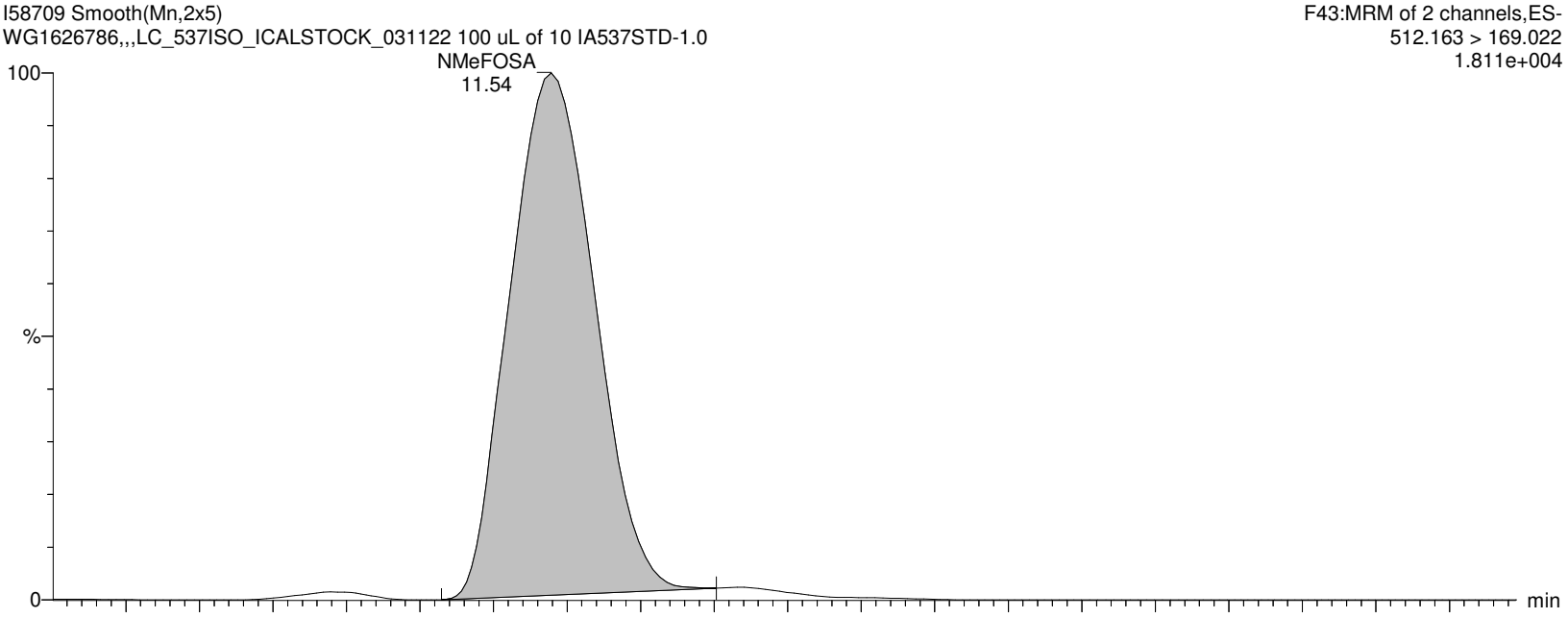


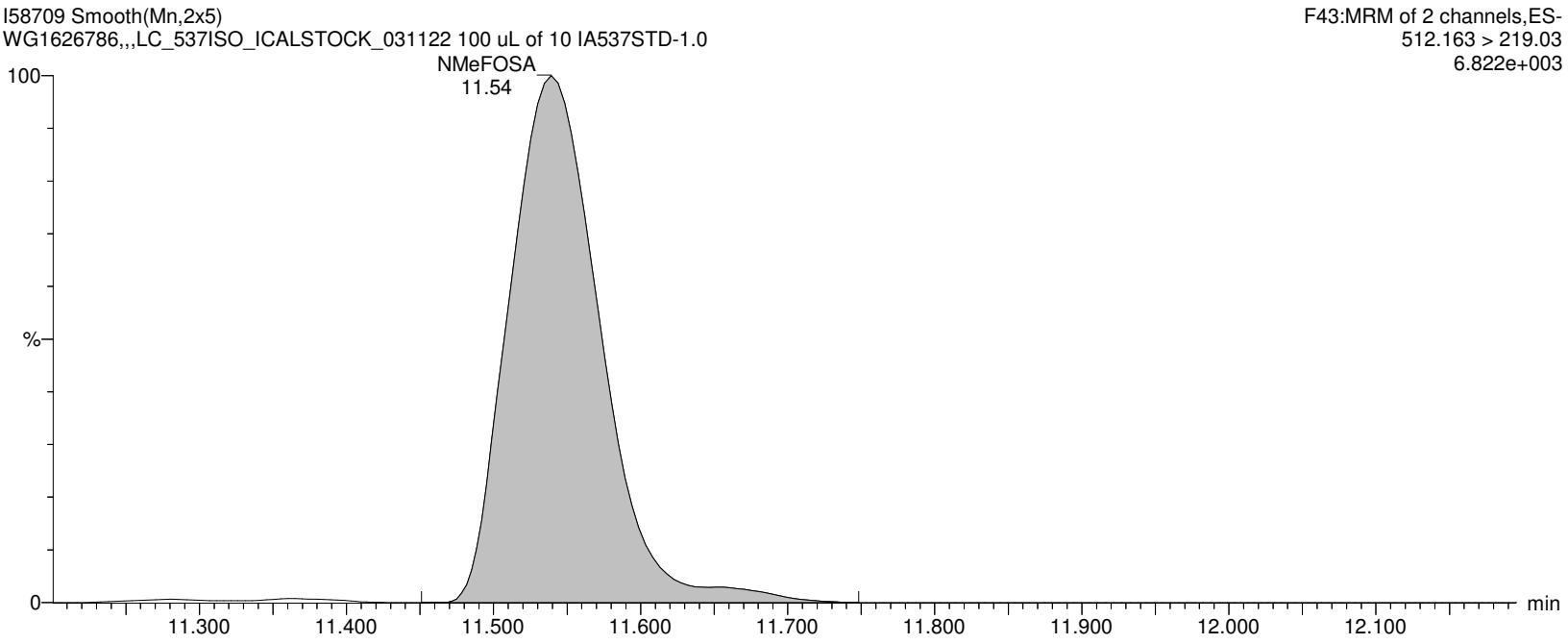
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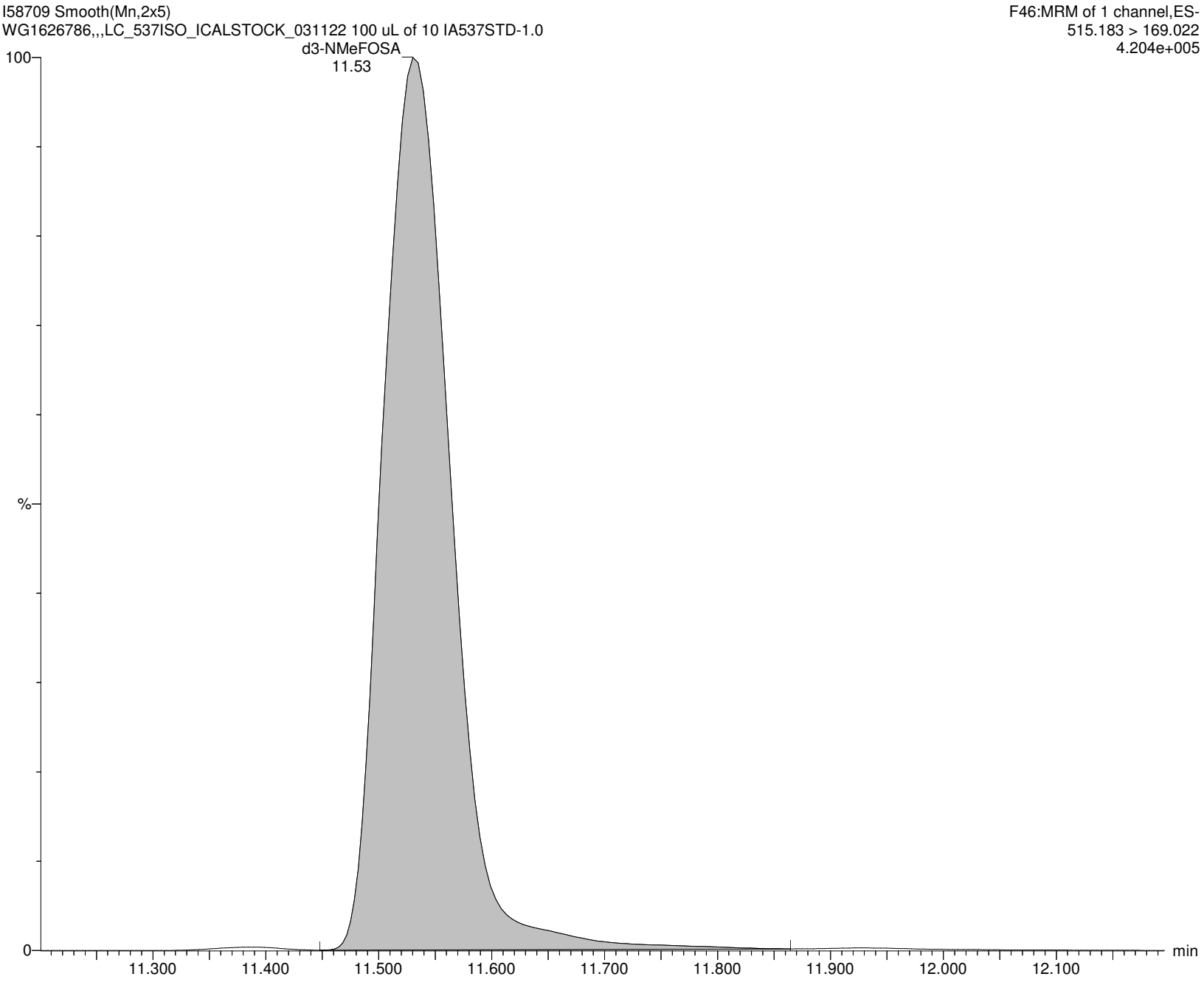


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Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:12 Eastern Daylight Time

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ID: IA537STD-1.0
Date: 13-Apr-2022
Time: 16:33:12
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 10
User: LCMS02:MP
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

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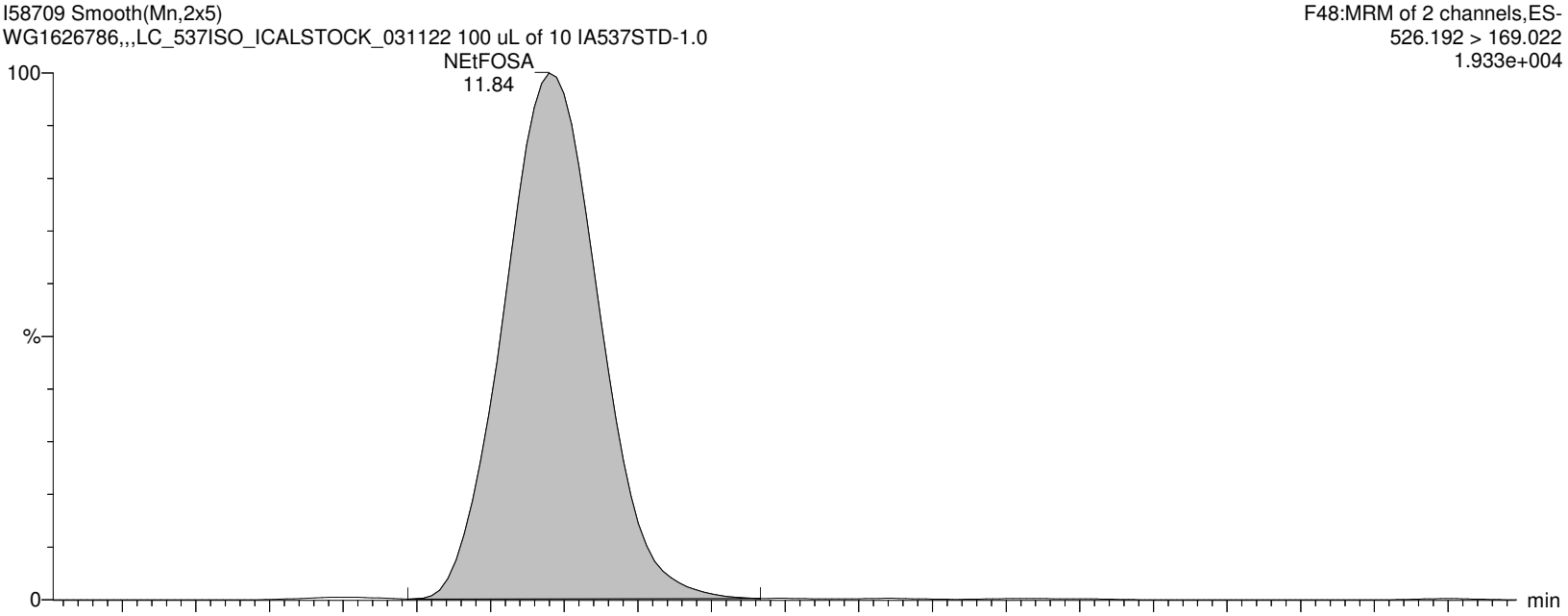


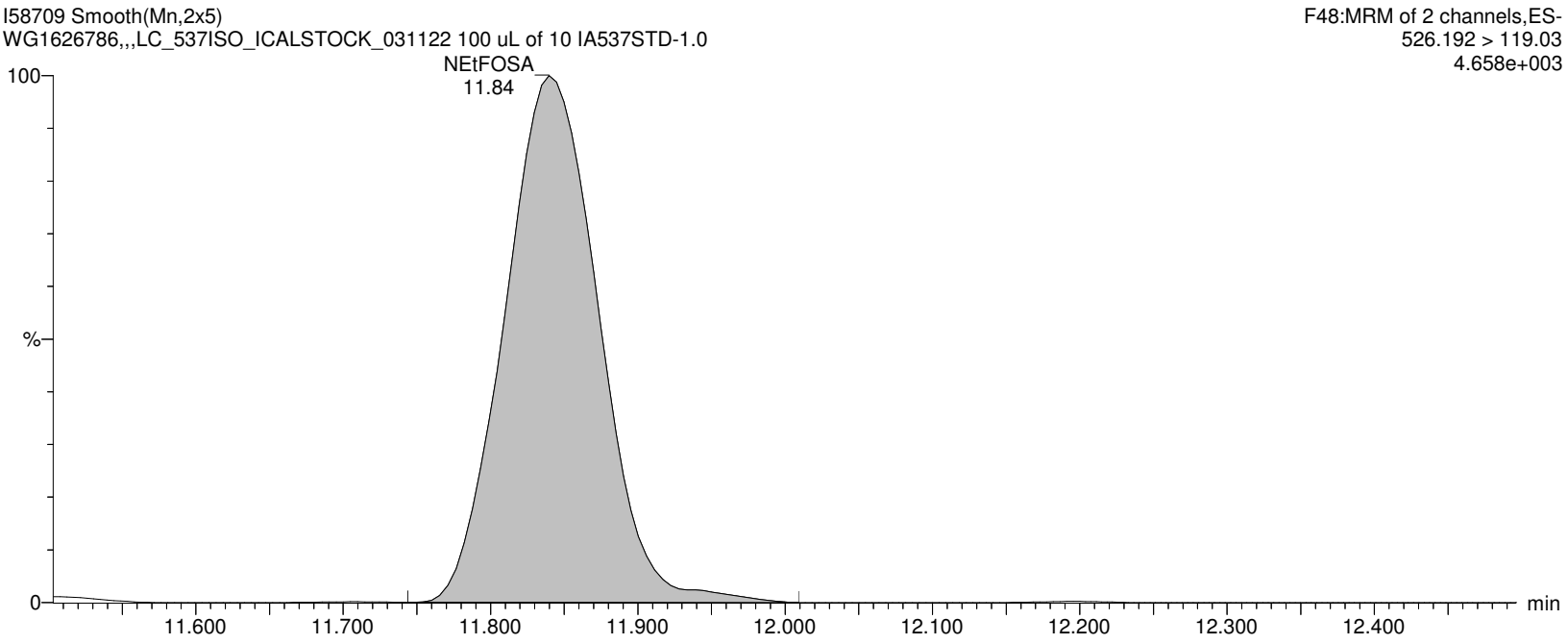
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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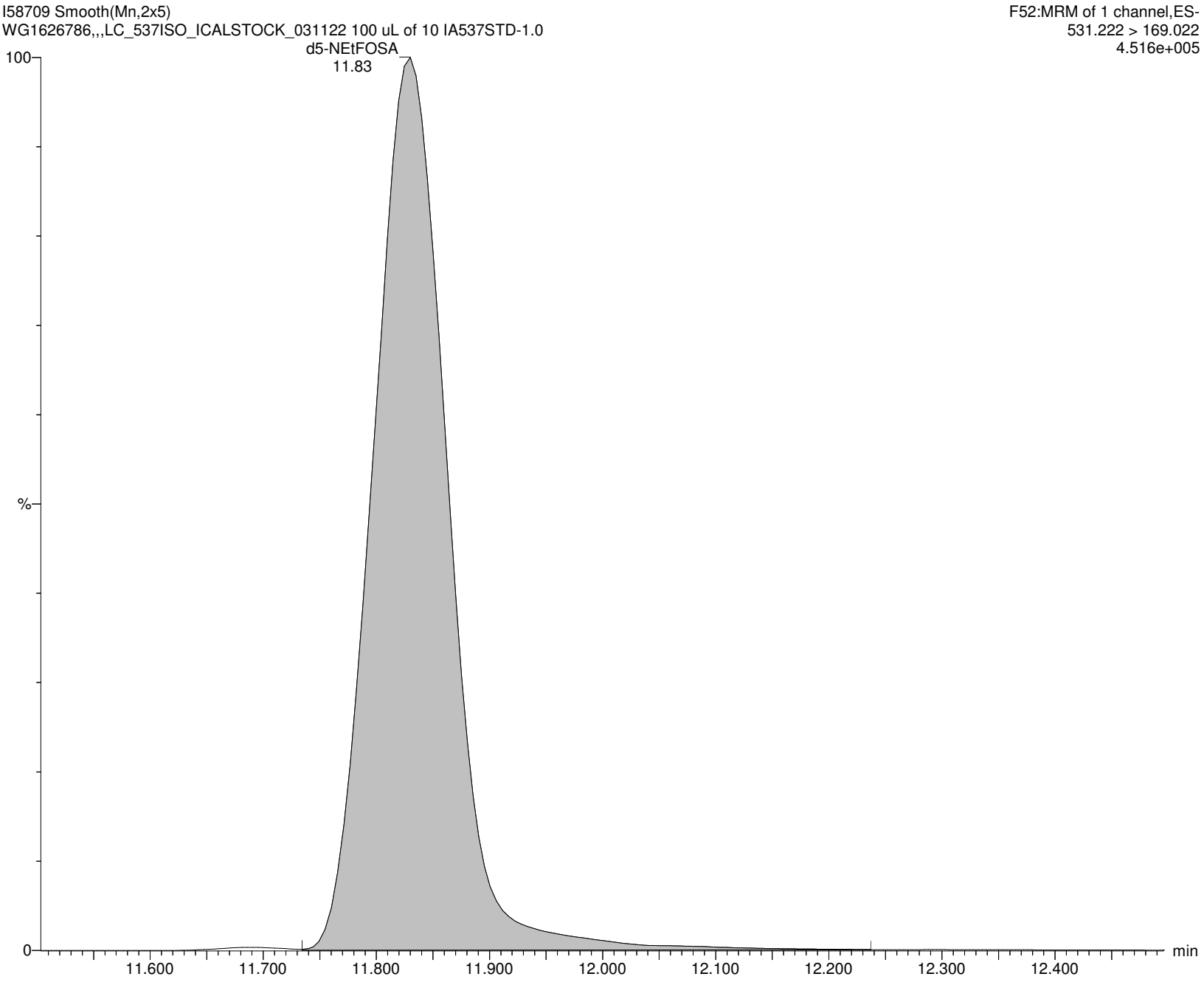


all concentration units in (ng/mL)

Alpha Analytical Inc.
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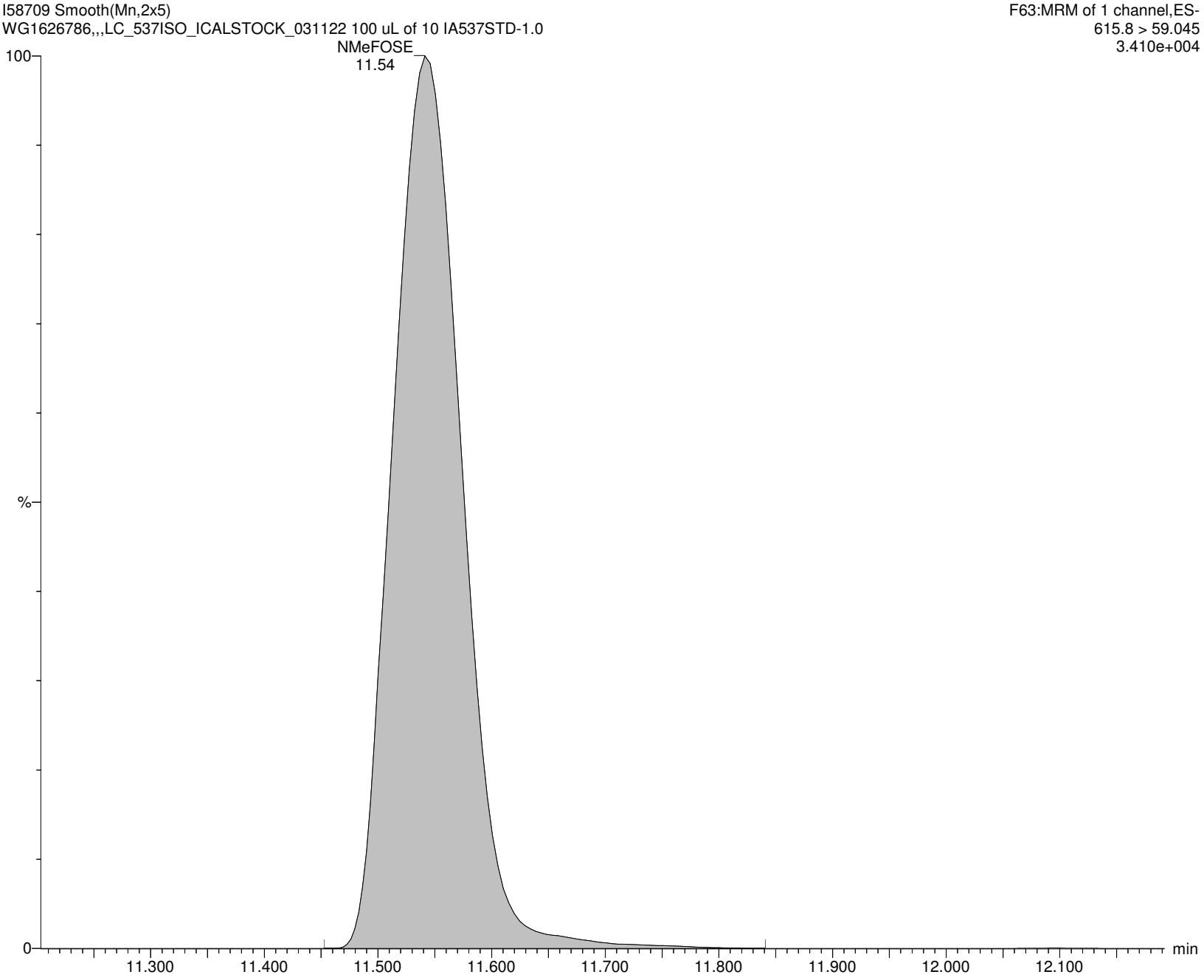


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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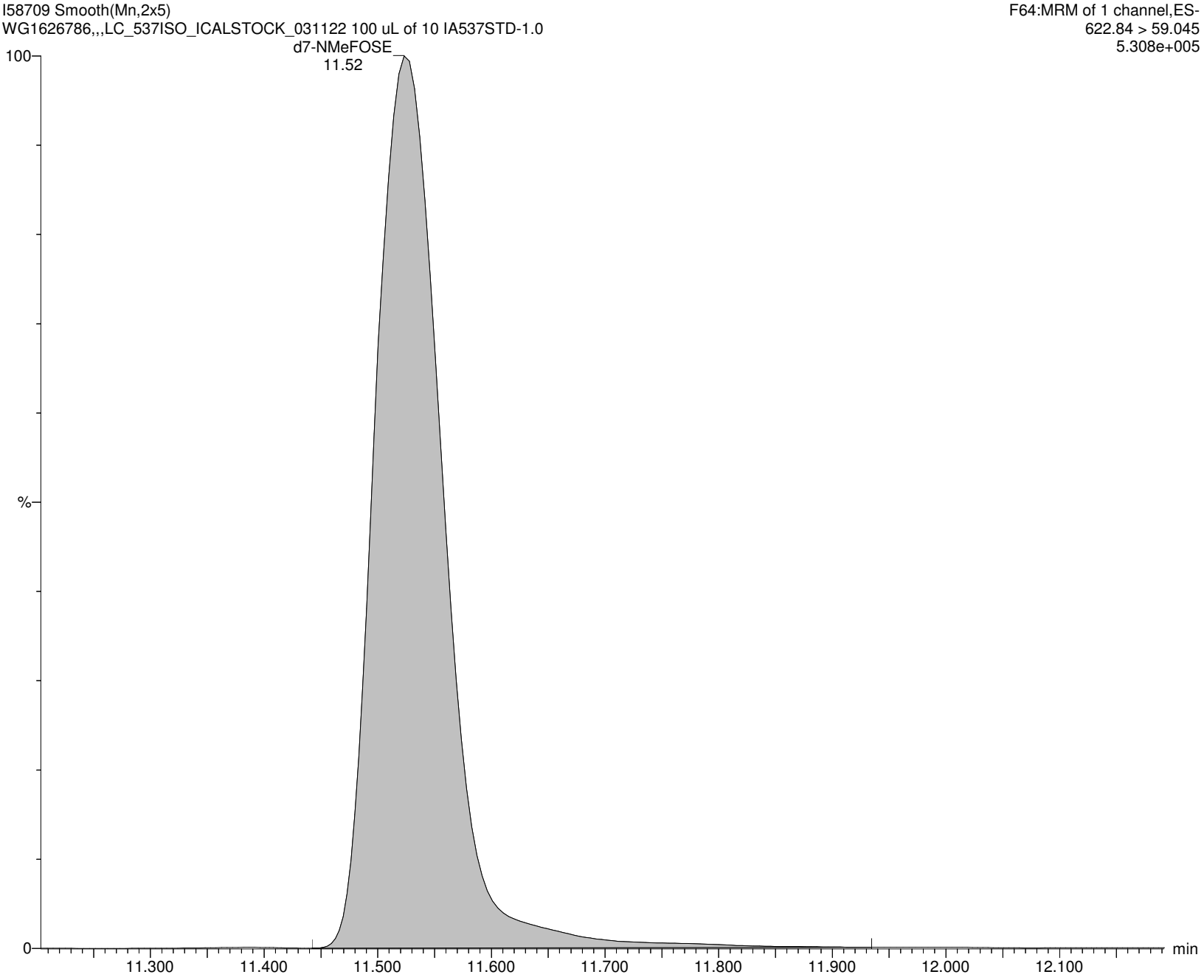


all concentration units in (ng/mL)

Alpha Analytical Inc.
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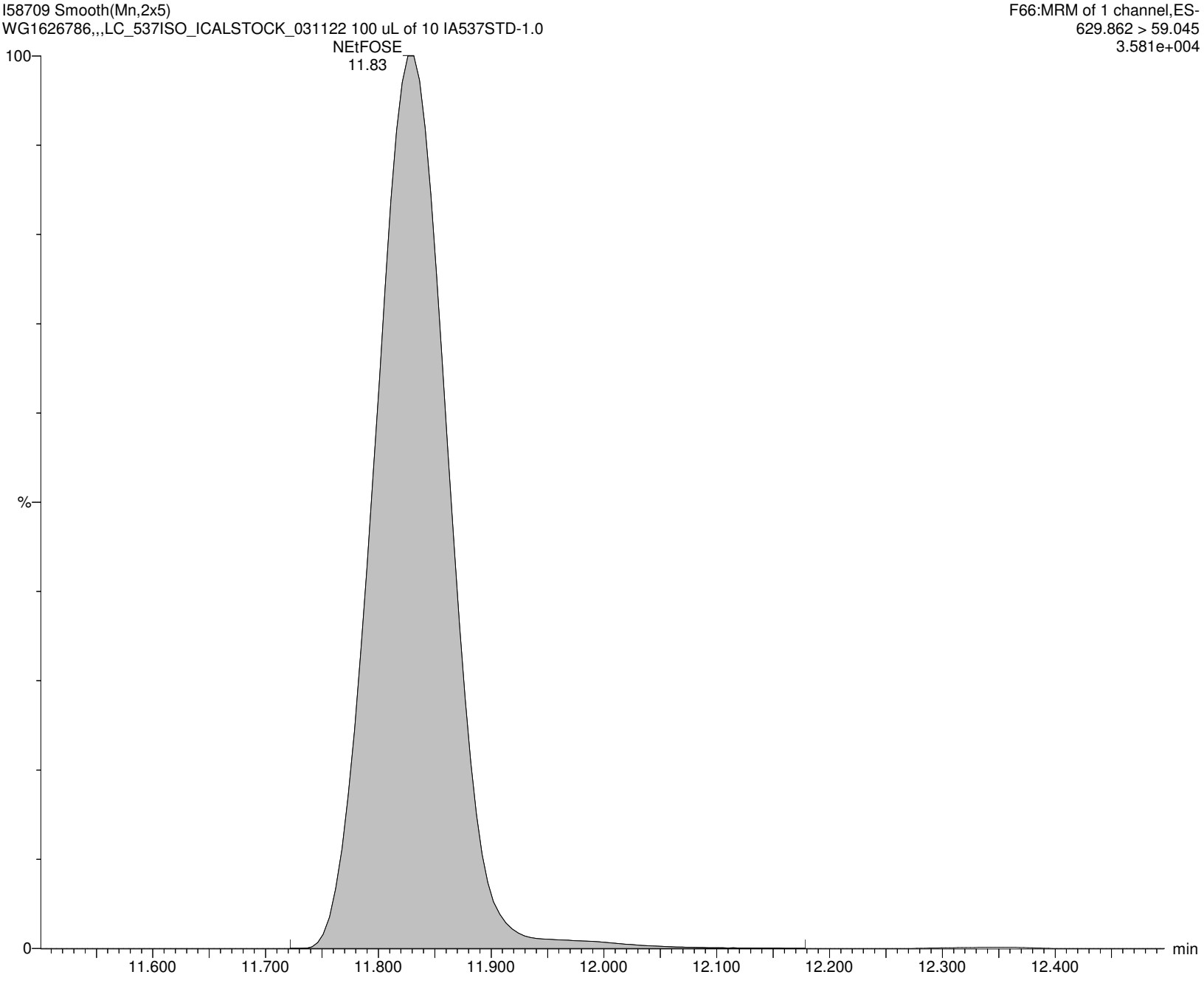


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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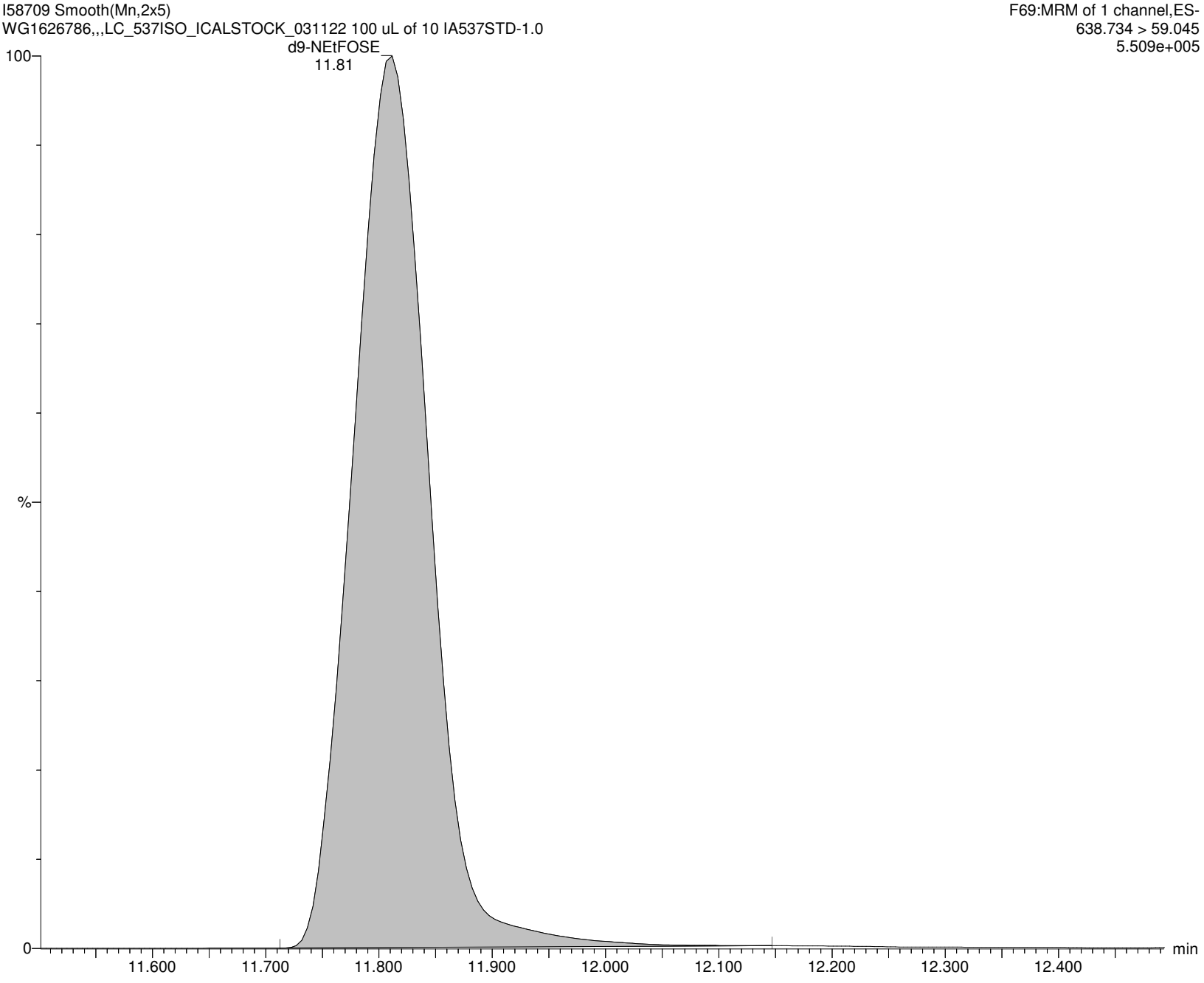


all concentration units in (ng/mL)

Alpha Analytical Inc.
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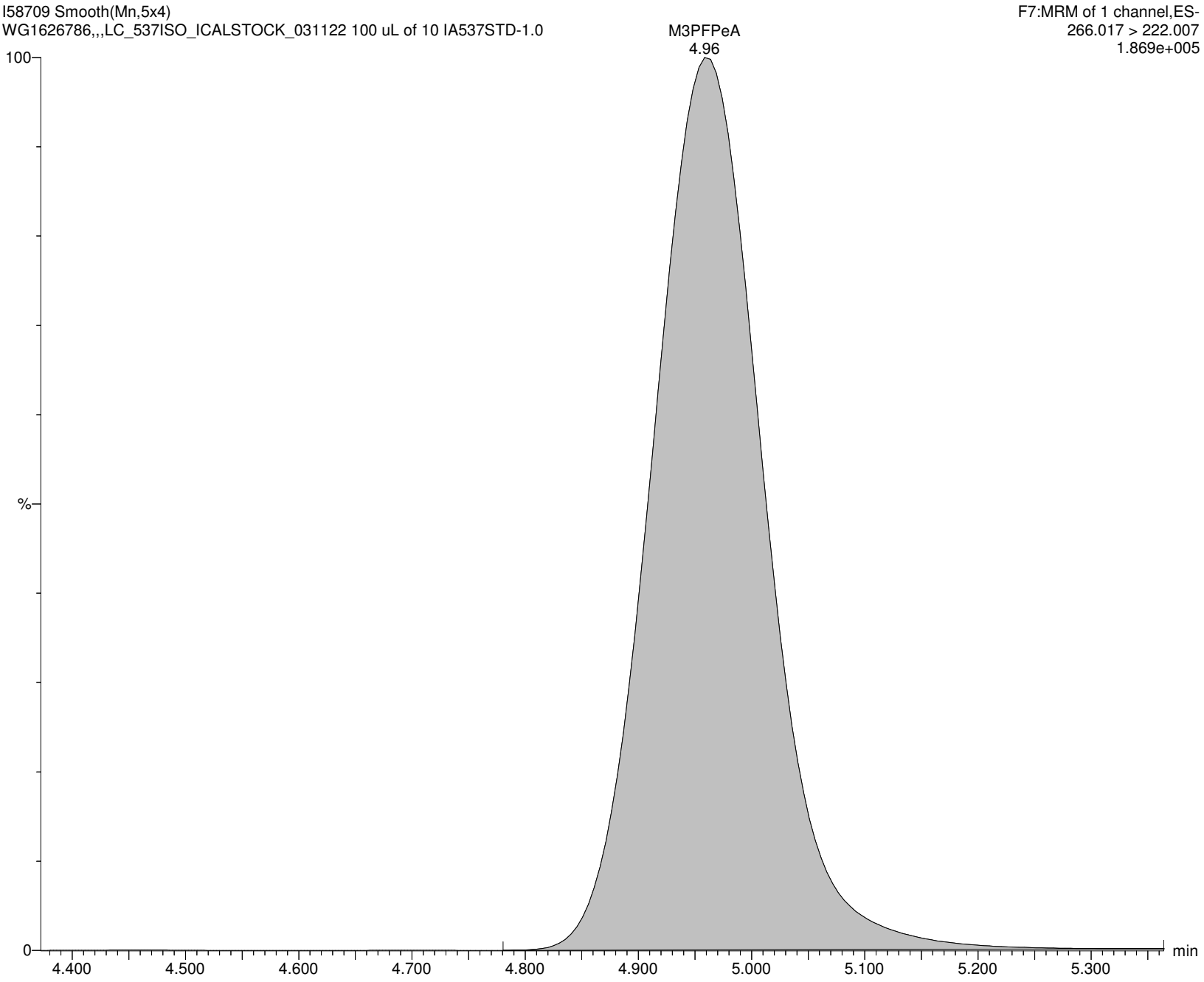


all concentration units in (ng/mL)

Alpha Analytical Inc.
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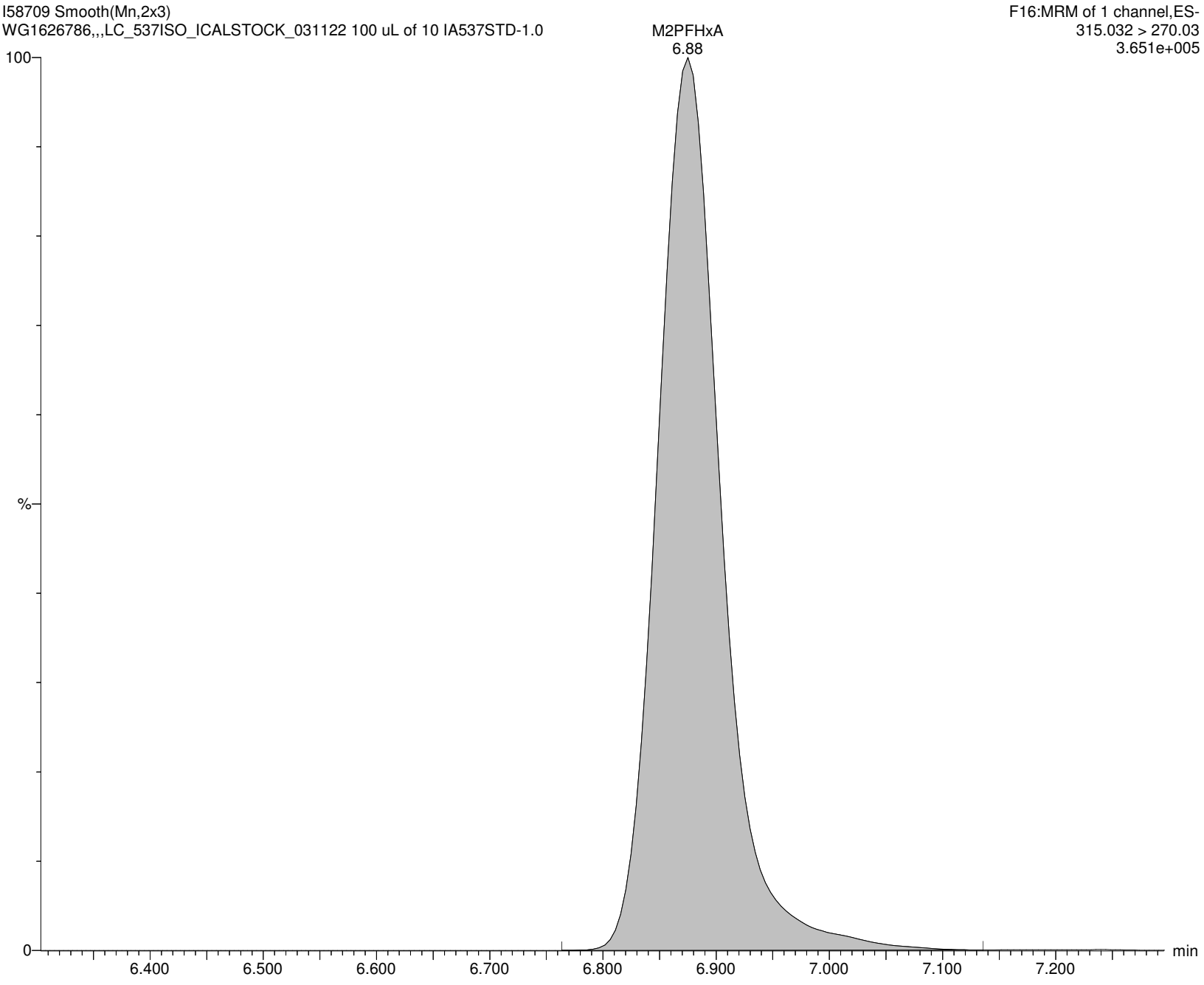


all concentration units in (ng/mL)

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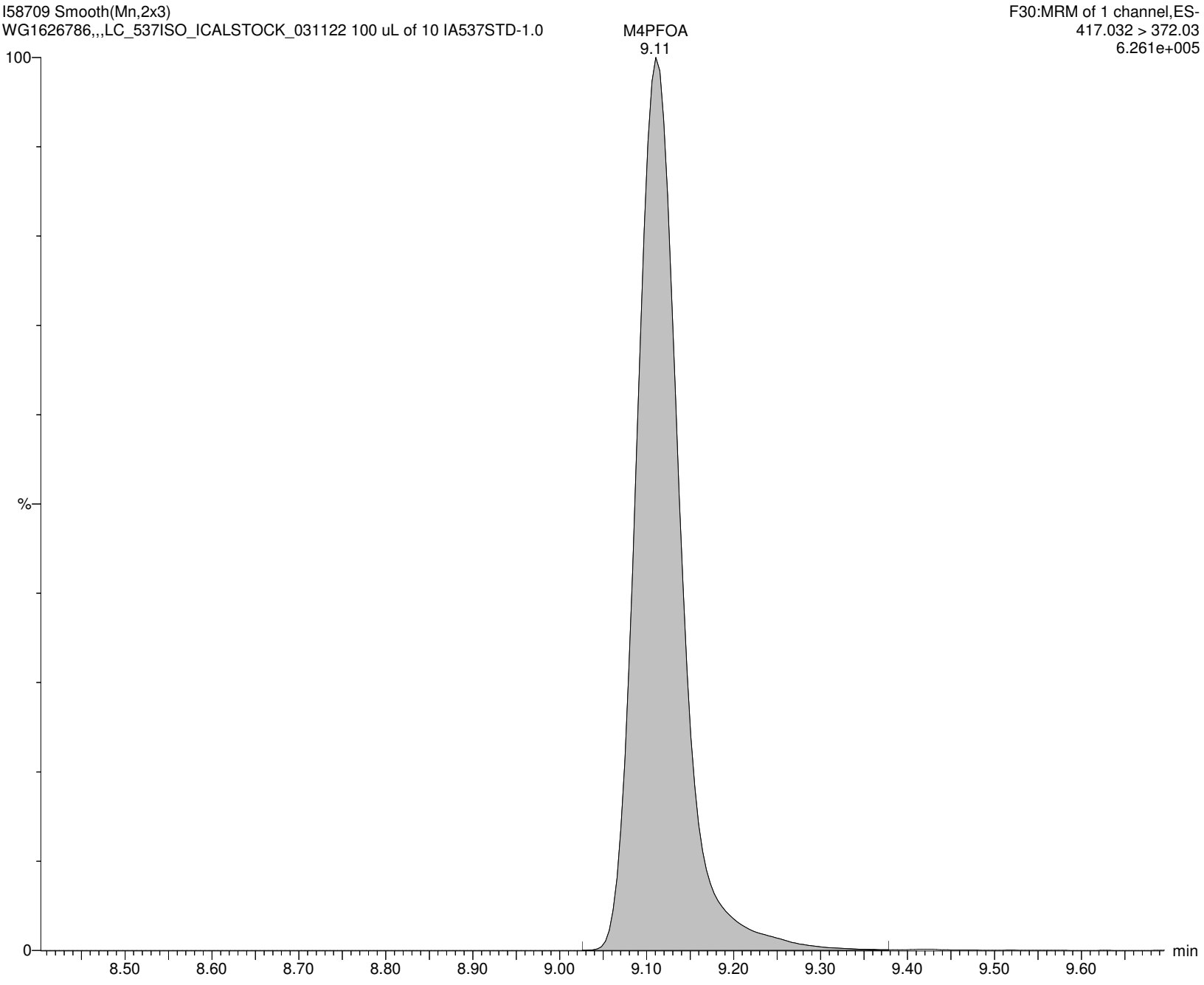


all concentration units in (ng/mL)

Alpha Analytical Inc.
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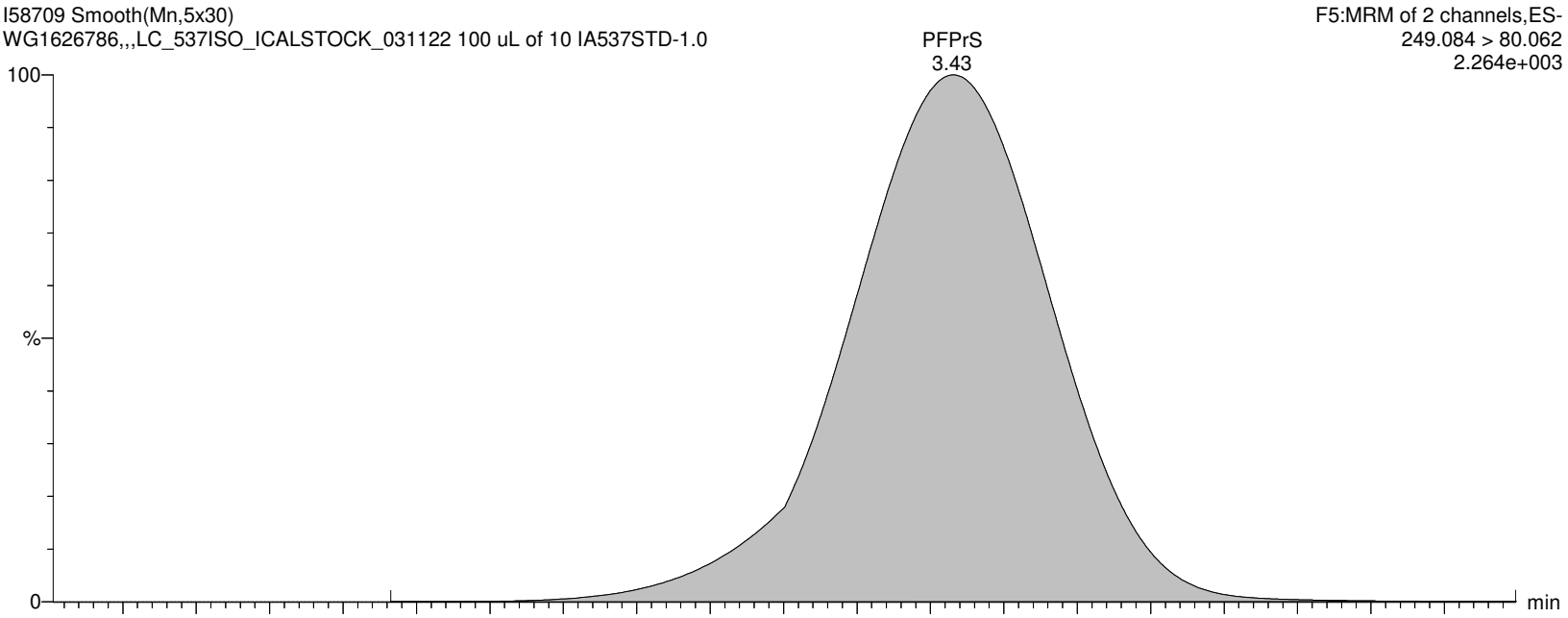


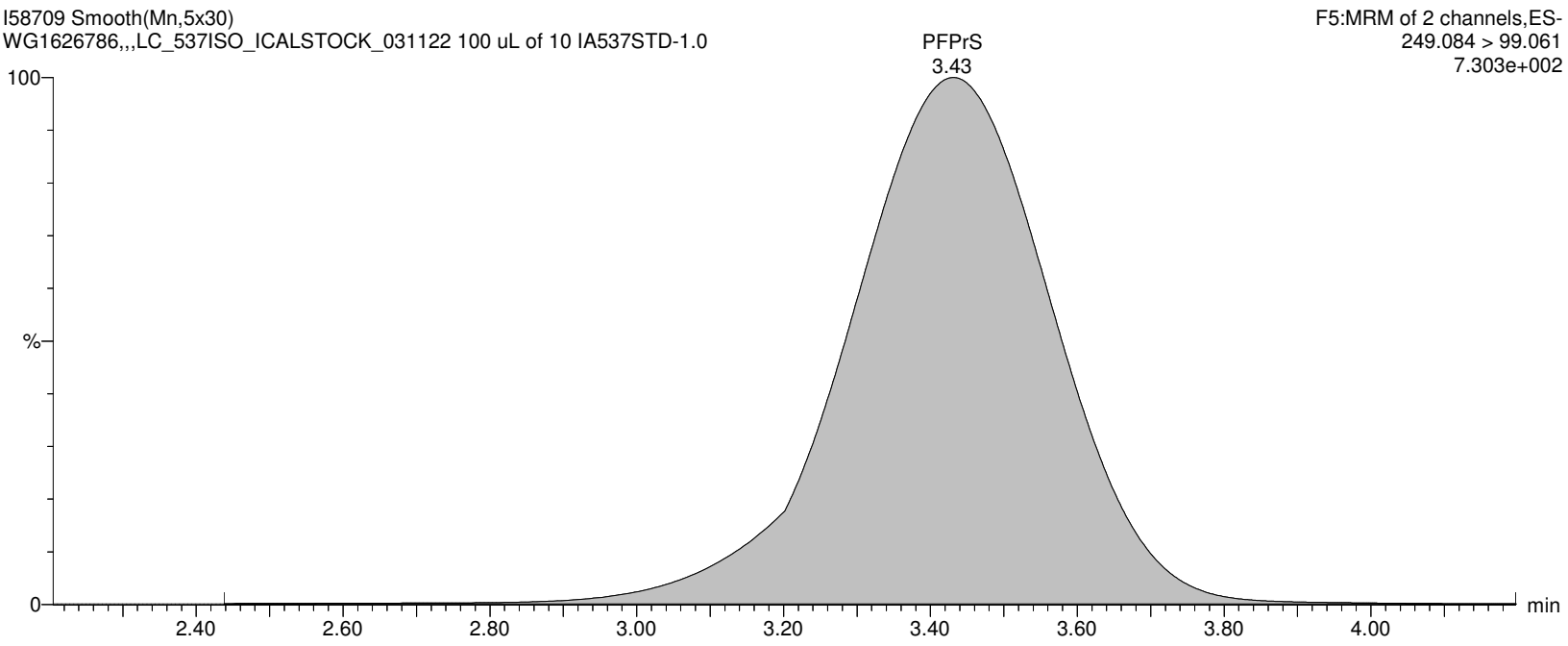
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFPrS



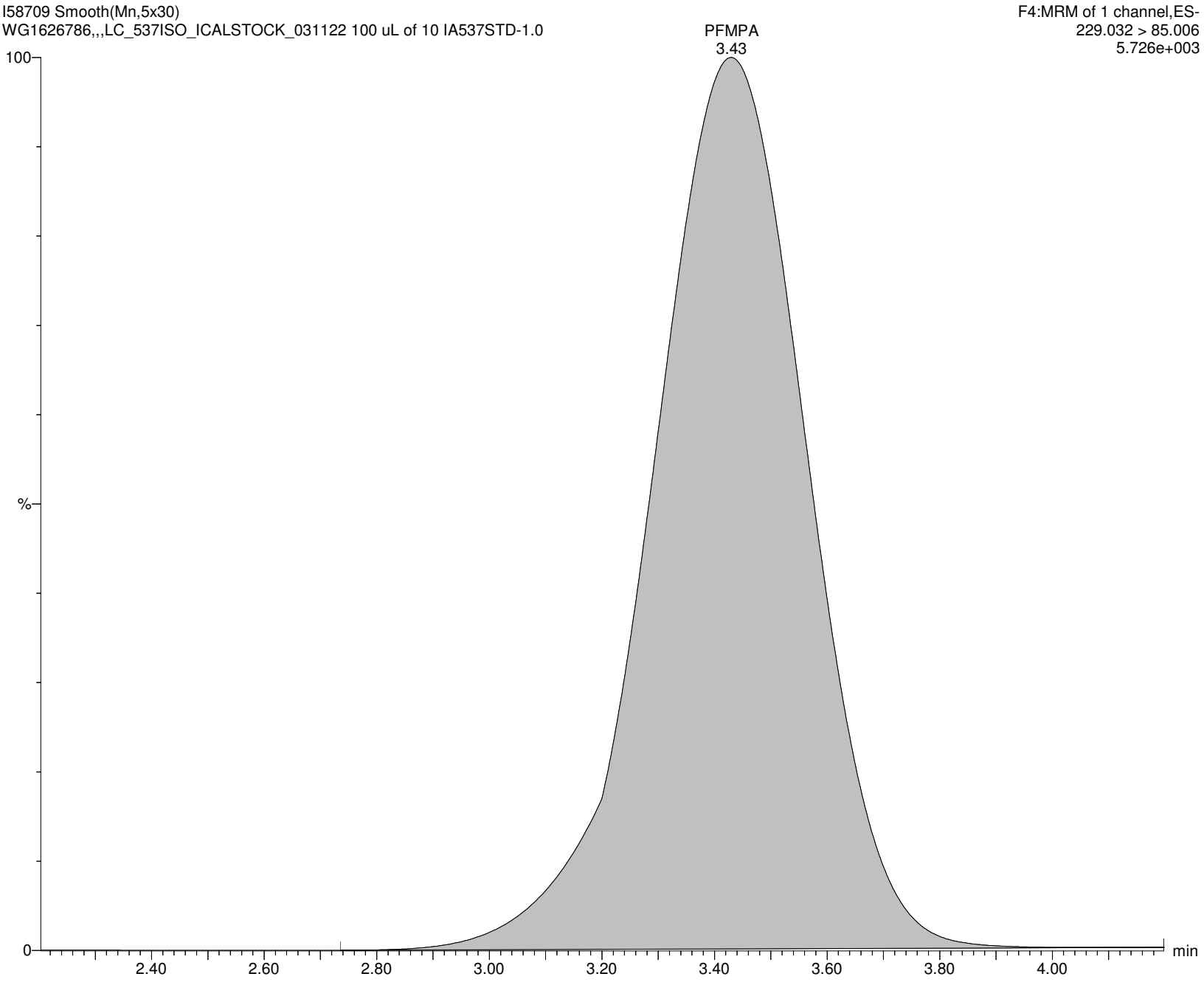


all concentration units in (ng/mL)

Alpha Analytical Inc.
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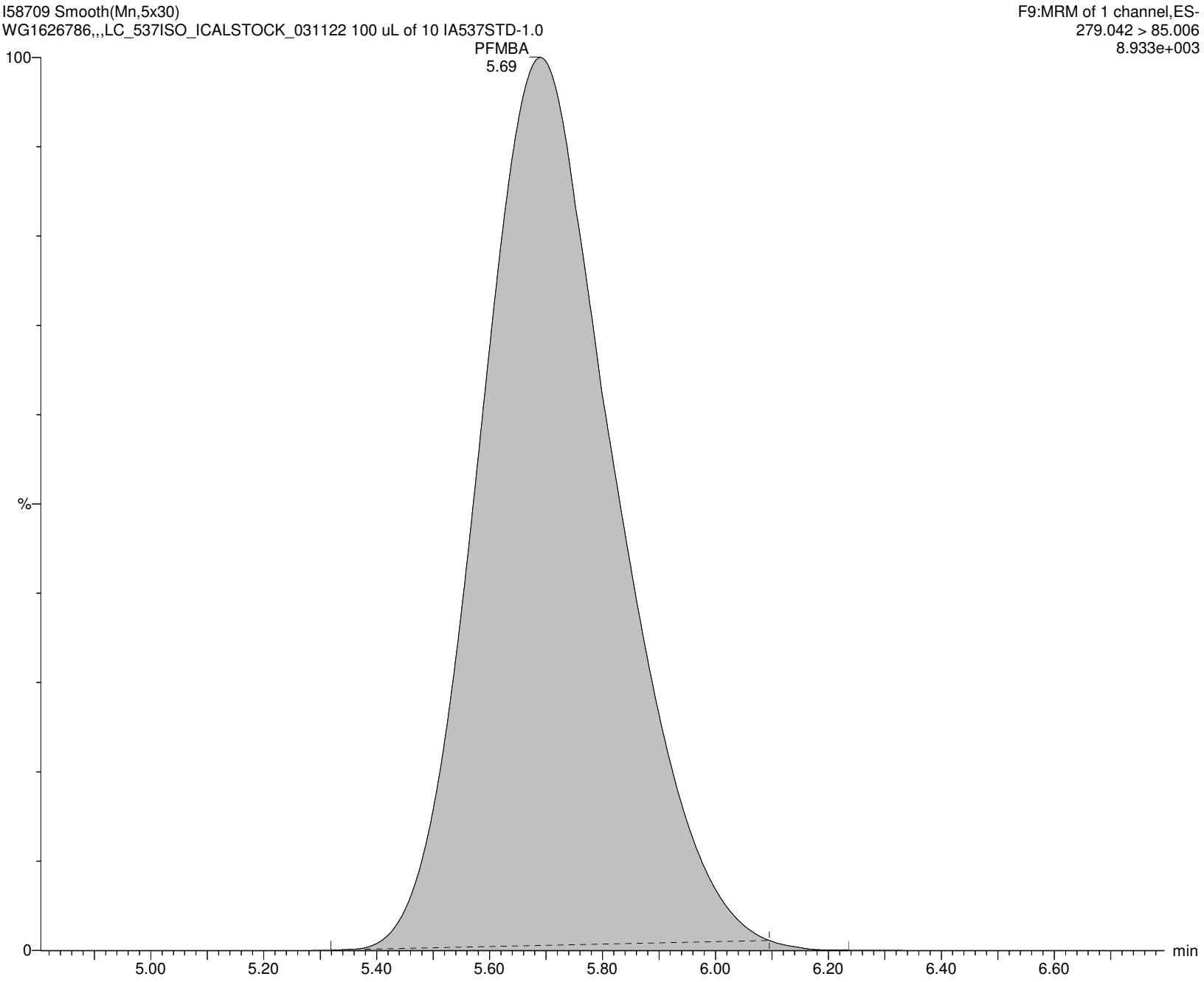


all concentration units in (ng/mL)

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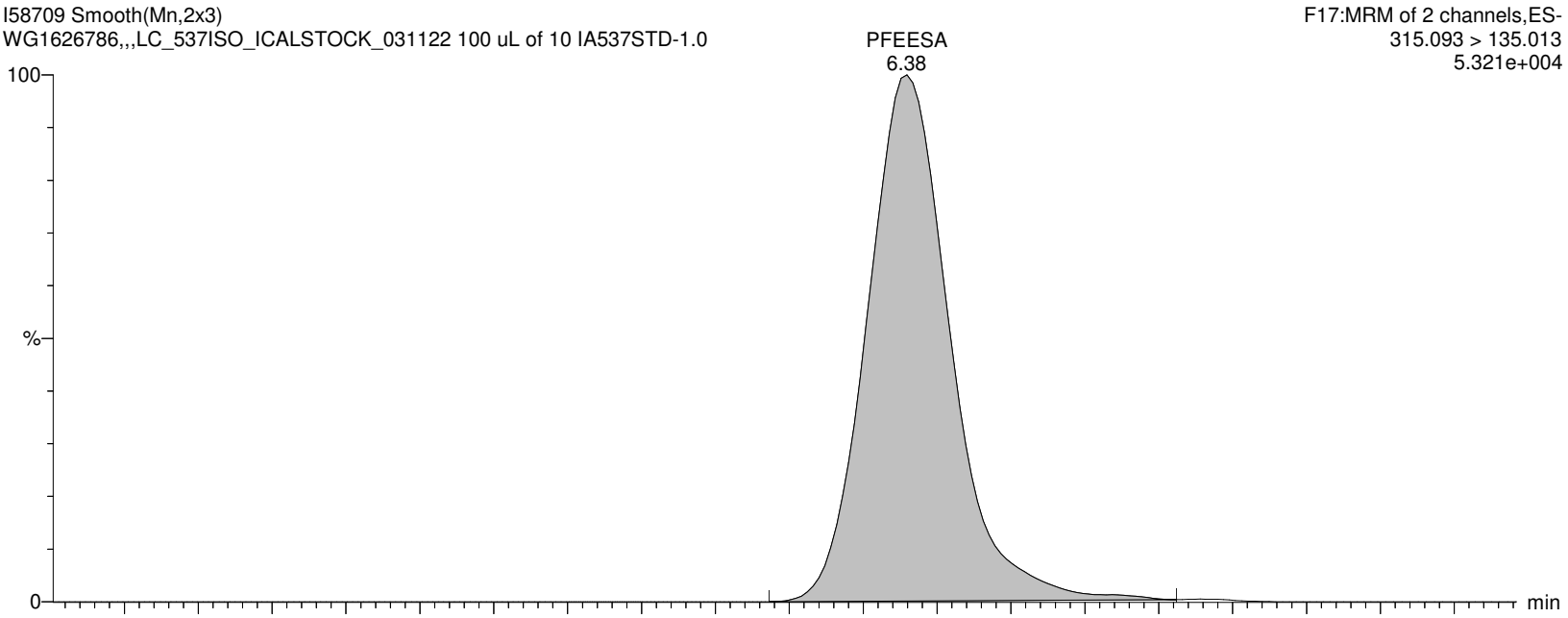


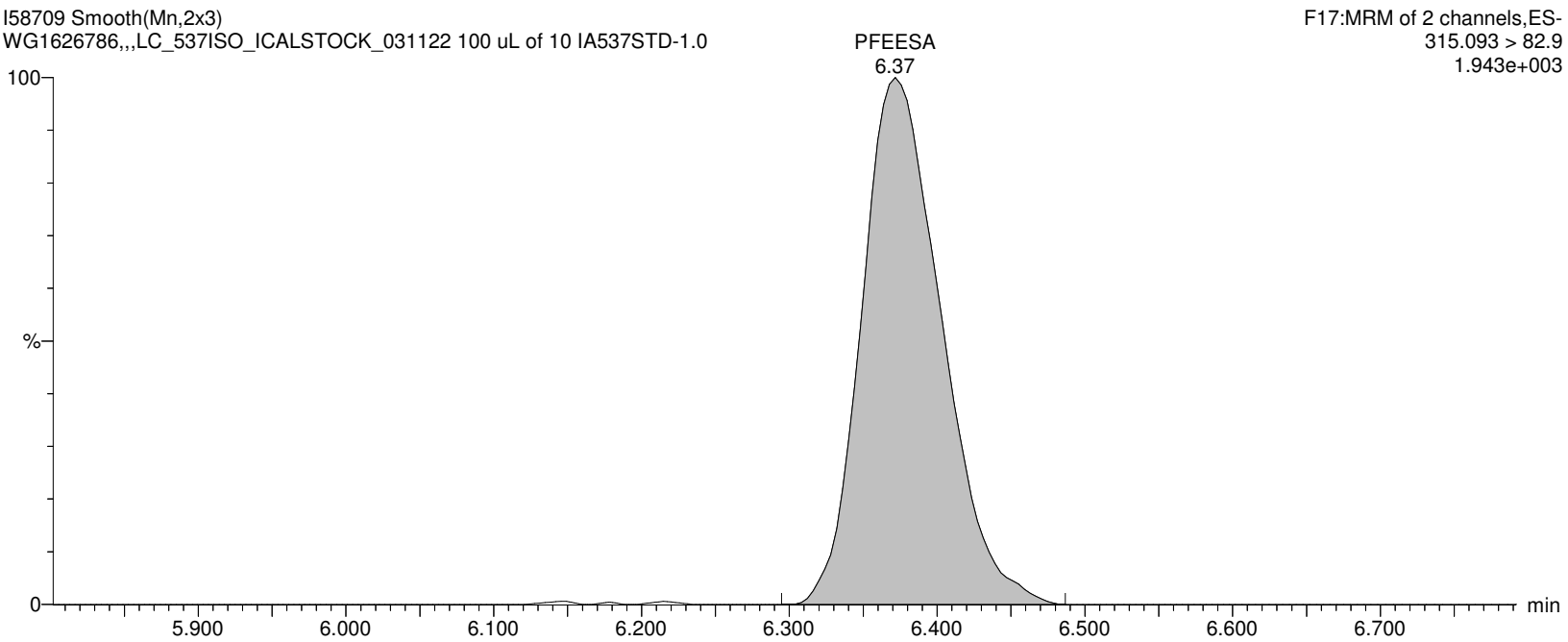
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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PFEESA



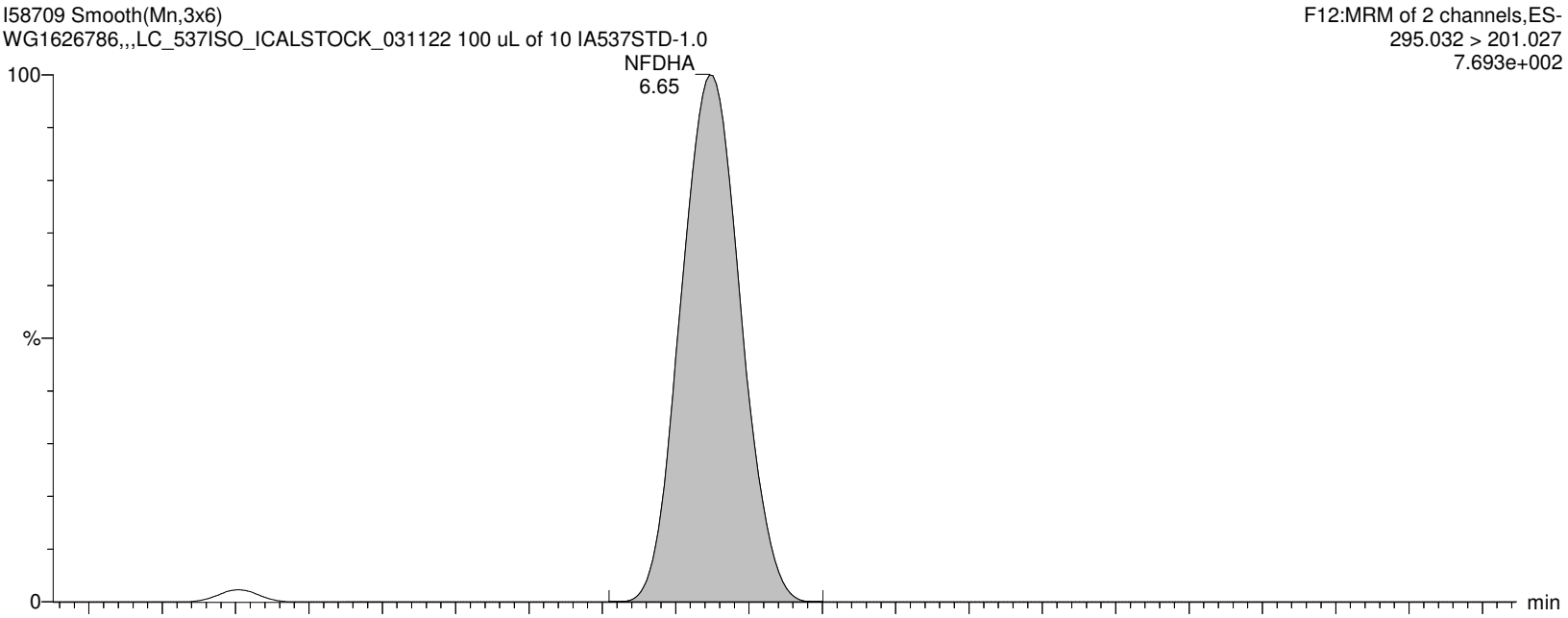


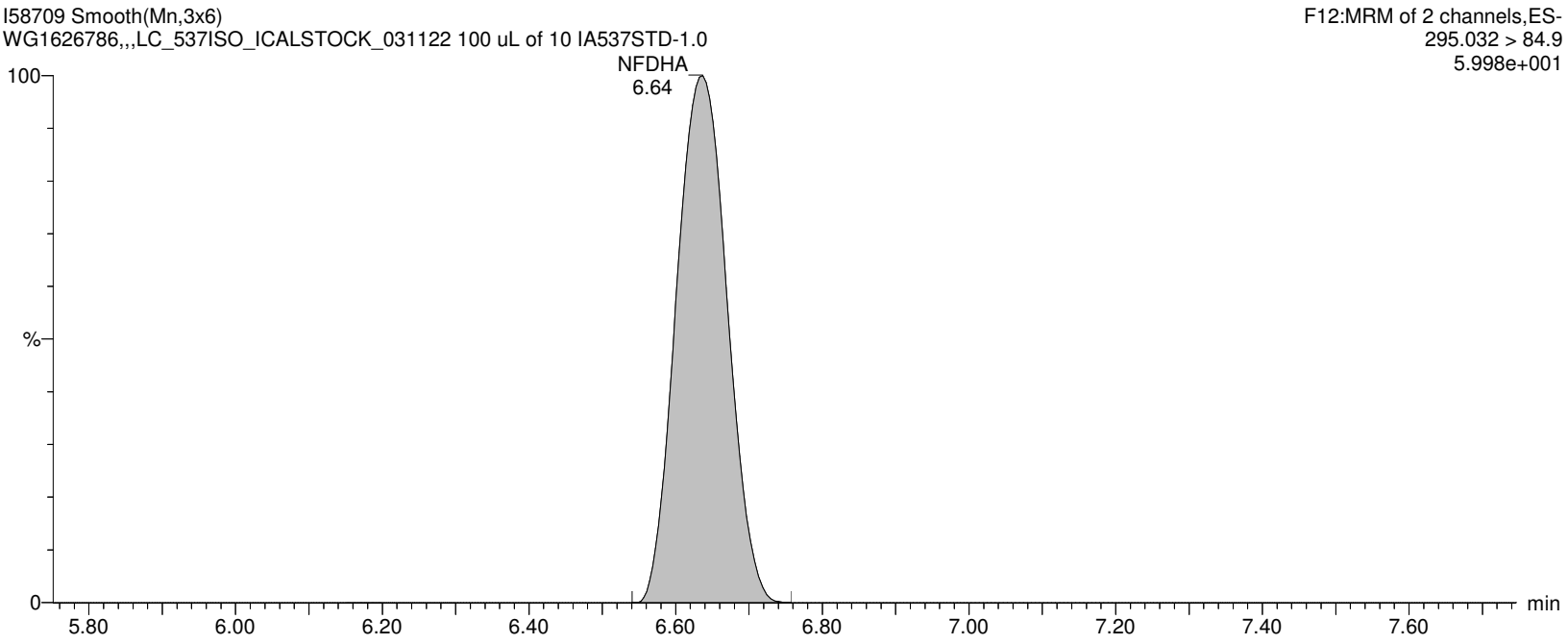
all concentration units in (ng/mL)

Alpha Analytical Inc.
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:15 Eastern Daylight Time

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Time: 16:49:47
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	4754		1.898		na	94.9
2	M3PFBA	INT STD	2.11	216.009 > 171.999	26554		10.425		na	104.2
3	MPFBA	INT STD	2.11	217.001 > 171.999	29200		9.857		na	98.6
4	PFPeA	2706-90-3	4.96	263.039 > 219.03	5381		1.916		na	95.8
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	36358		9.992		na	99.9
6	PFBS	375-73-5	5.63	299.092 > 80.062	1244		1.645	1.95	NO	92.7
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6838		9.185		na	98.5
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	527		1.813	2.44	NO	96.8
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2699		8.121		na	86.6
10	PFHxA	307-24-4	6.87	313.047 > 269.037	8675		1.943	18.11	NO	97.2
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	45915		9.745		na	97.5
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	1218		1.714	2.14	NO	91.1
13	PFHpA	375-85-9	8.16	363.055 > 319.045	10070		1.798	6.00	NO	89.9
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	55688		9.877		na	98.8
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	155	M5,M7	0.292	2.09	NO	77.3
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	944		1.532	1.71	NO	94.5
17	PFHxS	355-46-4		399.107 > 80.062	1099		1.824		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	6608		9.466		na	99.8
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	14446		1.930	9.47	NO	96.5
21	PFOA	335-67-1		412.8430 > 368.9430	14446		1.930		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	76036		9.996		na	100.0
23	M2PFOA	INT STD	9.11	414.828 > 369.935	70318		10.783		na	107.8
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	428		1.685	3.20	NO	88.6
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2446		8.188		na	86.1
26	PFHpS	375-92-8	9.21	449.115 > 80.062	780		1.731	1.23	NO	90.8
27	PFNA	375-95-1	9.88	462.8510 > 418.951	11526		1.855	3.83	NO	92.7
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	72974		10.273		na	102.7
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	362	M5,M7	0.366	4.16	NO	86.7
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	1013		1.304	1.56	NO	82.6
31	PFOS	1763-23-1		498.9030 > 79.9520	1374		1.670		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	7100		10.884		na	108.8
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	8663		9.486		na	98.9
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	13042		1.954	6.92	NO	97.7
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	60979		11.360		na	113.6
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	71524		9.833		na	98.3
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	686		2.096	4.71	NO	109.2
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1571		7.892		na	82.2
39	PFNS	68259-12-1	10.54	549.131 > 80.062	737		1.805	1.54	NO	93.8

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2568		8.528		na	85.3
41	br-NMeFOSAA		10.74	570.202 > 419.061	44	M7	0.384	0.68	NO	80.0
42	L-NMeFOSAA		10.90	570.202 > 419.061	380		1.183	1.55	NO	77.8
43	NMeFOSAA	2355-31-9		570.202 > 419.061	424		1.567		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	12139		1.942	11.48	NO	97.1
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	41300		9.545		na	95.4
46	PFDS	335-77-3	11.07	599.139 > 80.062	864		2.102	2.22	NO	108.9
47	FOSA	754-91-6	10.93	498.146 > 78.07	2490	M7	1.973	91.64	NO	98.7
48	M8FOSA	INT STD	10.93	506.077 > 78.07	18223		8.965		na	89.6
49	br-NEtFOSAA		11.05	584.229 > 419.061	16	M5,M7	0.211	0.19	YES	46.9
50	L-NEtFOSAA		11.18	584.229 > 419.061	310	M7	1.429	1.16	NO	92.2
51	NEtFOSAA	2991-50-6		584.229 > 419.061	326		1.640		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2148	M4	8.552		na	85.5
53	PFDoA	307-55-1	11.54	613.094 > 569.084	5498		1.900	27.38	NO	95.0
54	MPFDOA	INT STD	11.54	615.079 > 570.077	25875		9.412		na	94.1
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	4643		1.910	9.78	NO	95.5
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	7390		1.989	10.16	NO	99.4
57	M2PFTEDA	INT STD	12.31	714.5214 > 669.7984	55690		9.591		na	95.9
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	7414		242.191		na	121.1
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	662		15.810	10.97	YES	79.0
60	ADONA	958445-44-8	8.34	377.06 > 251.028	7937		1.782	26.83	NO	94.3
61	PFHxDA		12.75	813.122 > 768.8565	2237		2.237	24.12	NO	111.9
62	PFODA		12.97	913.411 > 868.7332	393		1.970	23.70	NO	98.5
63	M2PFHxDA		12.75	815.102 > 770.108	8930		9.058		na	90.6
64	PFDoS		11.94	699.154 > 80.062	391		1.580	2.11	NO	79.0
65	M2D4-10:2FTS		11.54	633.201 > 612.189	1614	M4	18.855		na	96.2
66	10:2FTS		11.54	627.192 > 607.186	215		1.982	1.78	NO	102.6
67	9CL-PF3ONS		10.29	530.862 > 350.843	6613		1.708	3.04	NO	91.5
68	11CL-PFOUdS		11.33	630.862 > 450.854	5237		1.687	3.40	NO	89.4
69	NMeFOSA		11.54	512.163 > 169.022	2402		9.605	2.27	NO	96.1
70	d3-NMeFOSA		11.53	515.183 > 169.022	29263		93.618		na	93.6
71	NEtFOSA		11.84	526.192 > 169.022	2754		9.375	4.80	NO	93.8
72	d5-NEtFOSA		11.83	531.222 > 169.022	34190		91.216		na	91.2
73	NMeFOSE		11.55	615.8 > 59.045	5123		5.098		na	102.0
74	d7-NMeFOSE		11.53	622.84 > 59.045	36323		97.621		na	97.6
75	NEtFOSE		11.83	629.862 > 59.045	5786		4.971		na	99.4
76	d9-NEtFOSE		11.81	638.734 > 59.045	42702		93.078		na	93.1
77	M3PFPeA		4.96	266.017 > 222.007	22501		10.832		na	108.3
78	M2PFHxA		6.88	315.032 > 270.03	24760		10.761		na	107.6
79	M4PFOA		9.12	417.032 > 372.03	37497		10.920		na	109.2
80	PFPrS	423-41-6	3.44	249.084 > 80.062	1403		1.694	2.94	NO	92.1
81	PFMPA		3.43	229.032 > 85.006	3634		2.137		na	106.8
82	PFMBA		5.69	279.042 > 85.006	5044	M4	2.050		na	102.5

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	6806		1.684	23.48	NO	94.6
84	NFDHA		6.65	295.032 > 201.027	122		1.720	48.13	YES	86.0

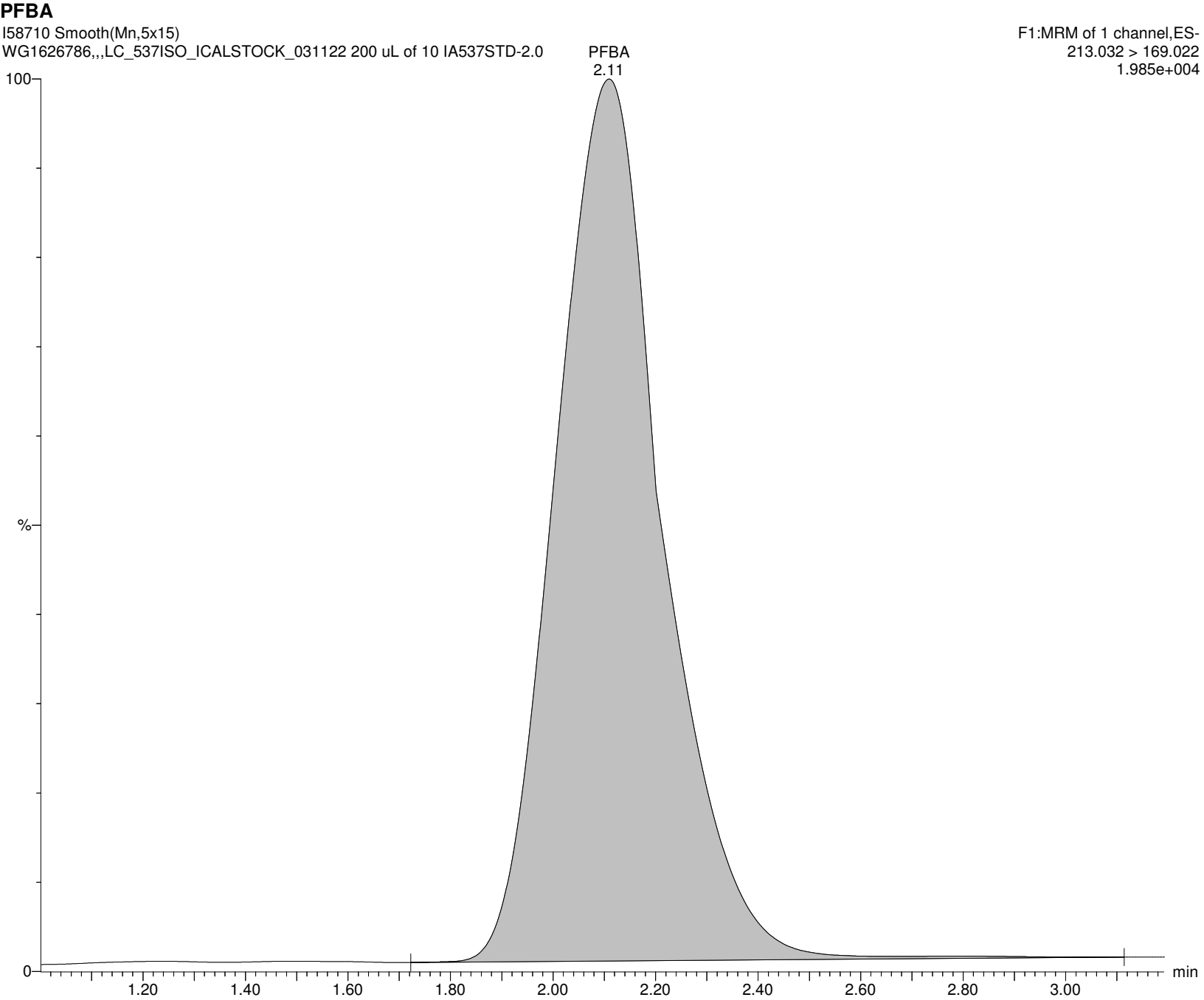
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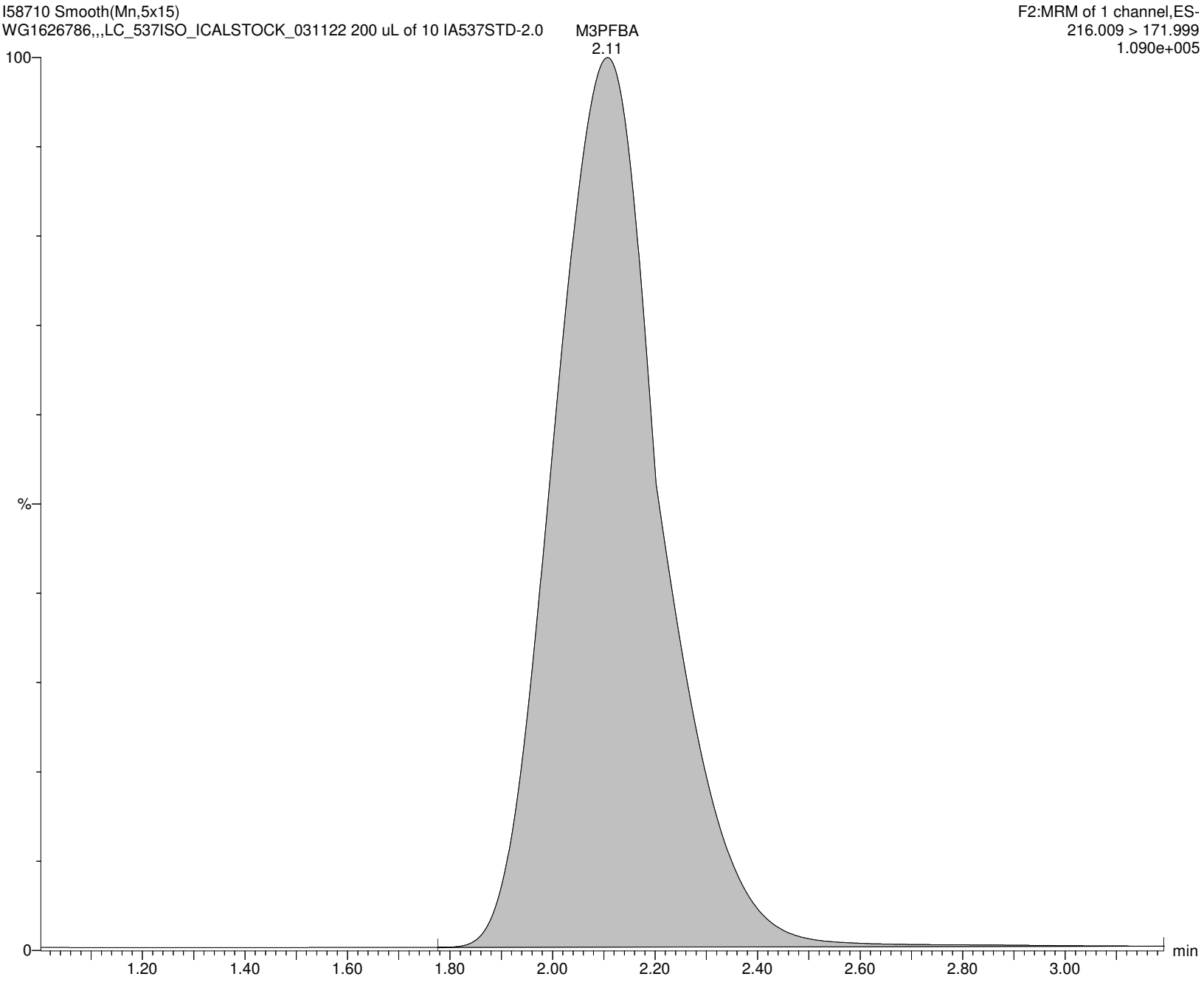


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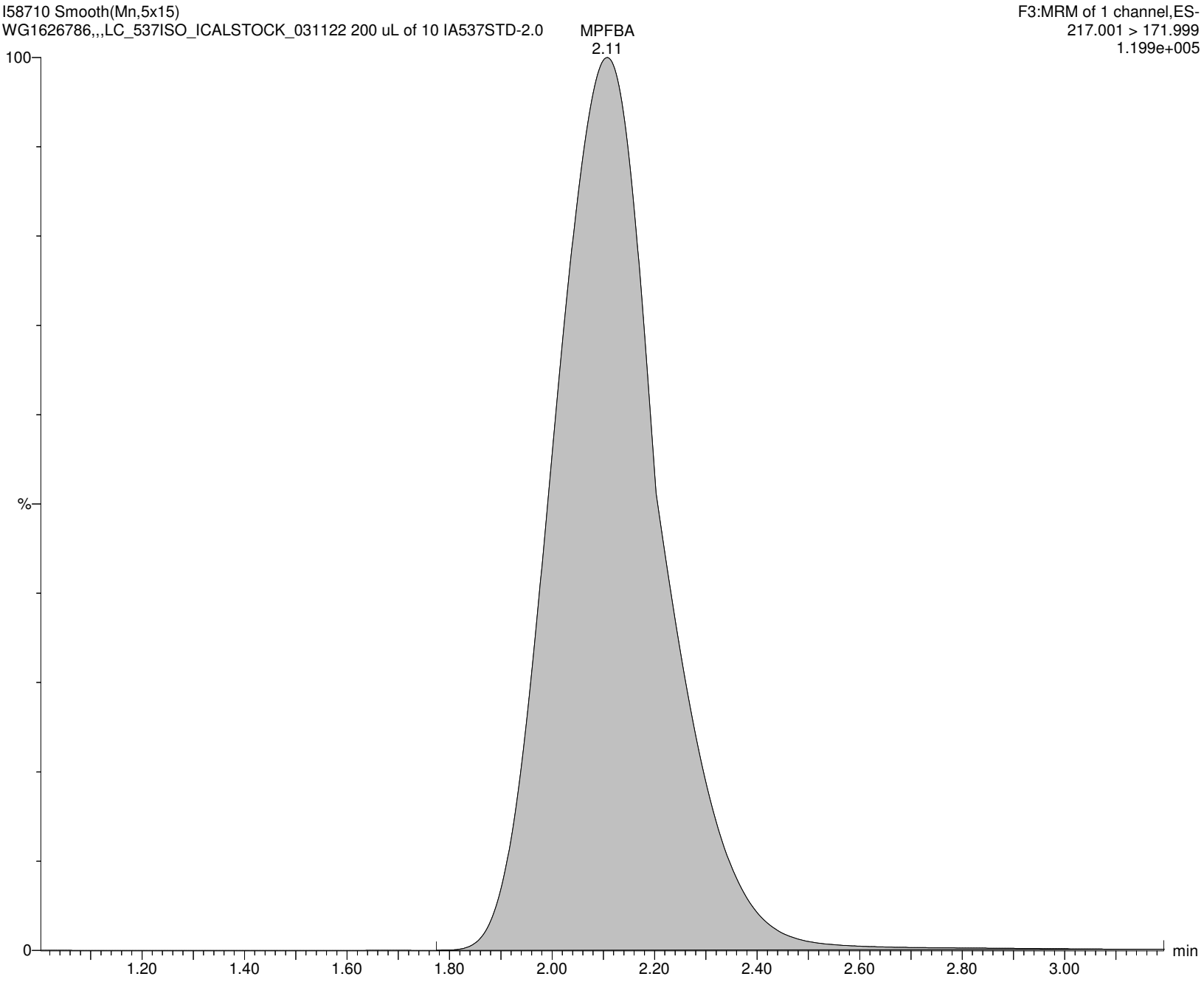


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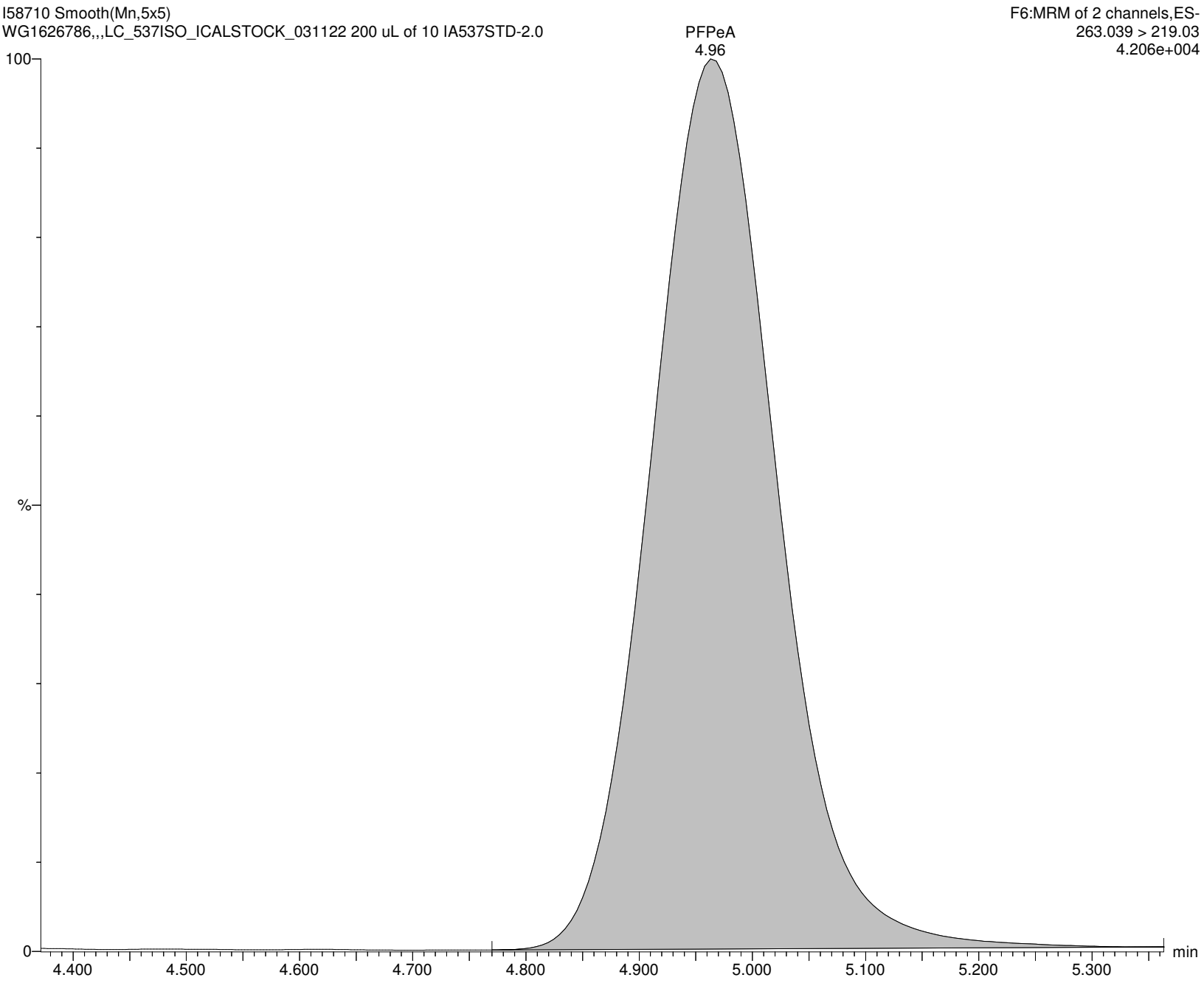


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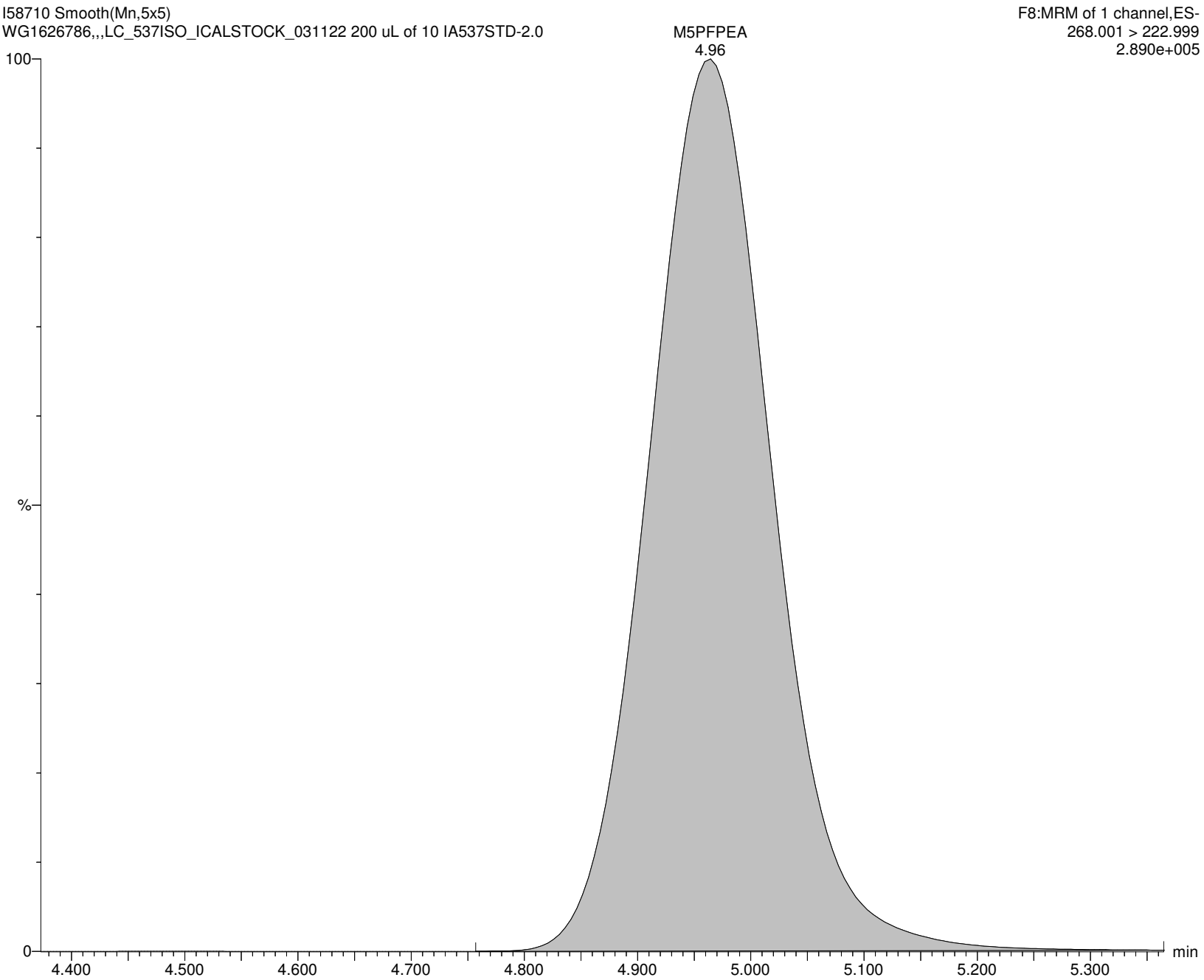


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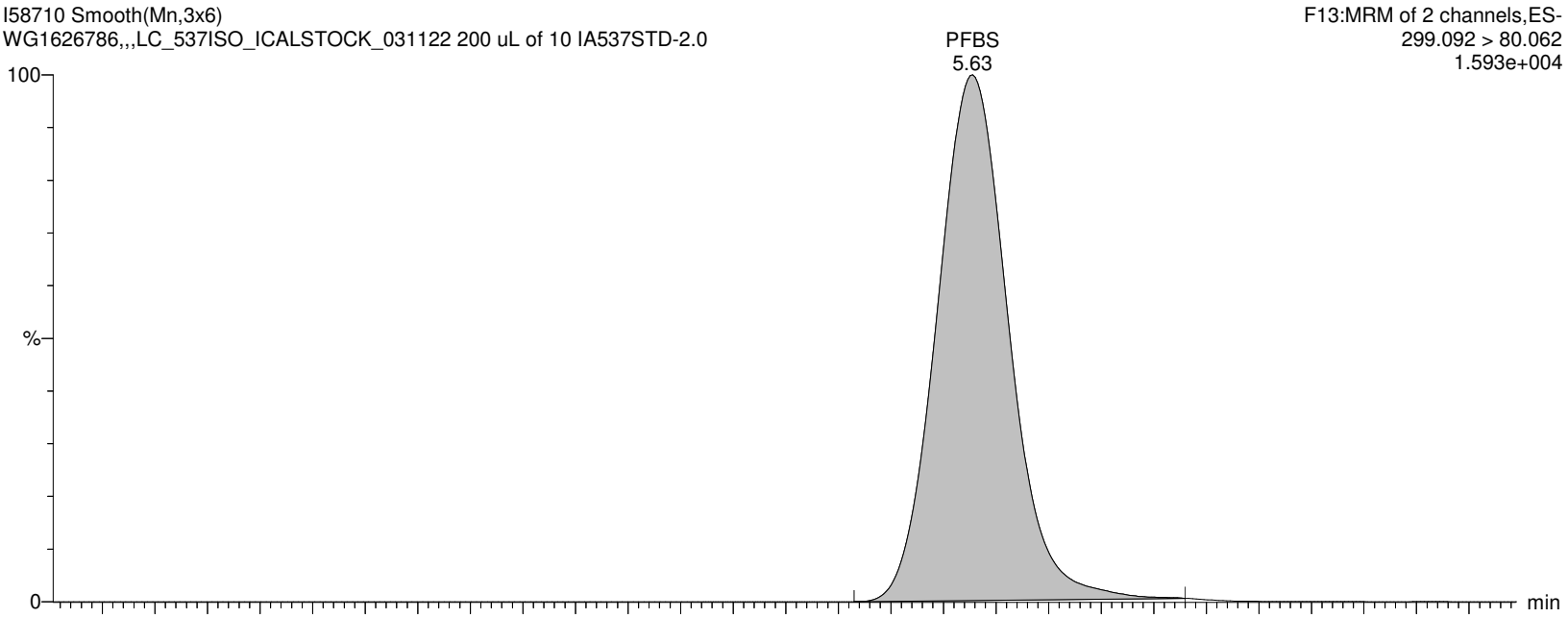


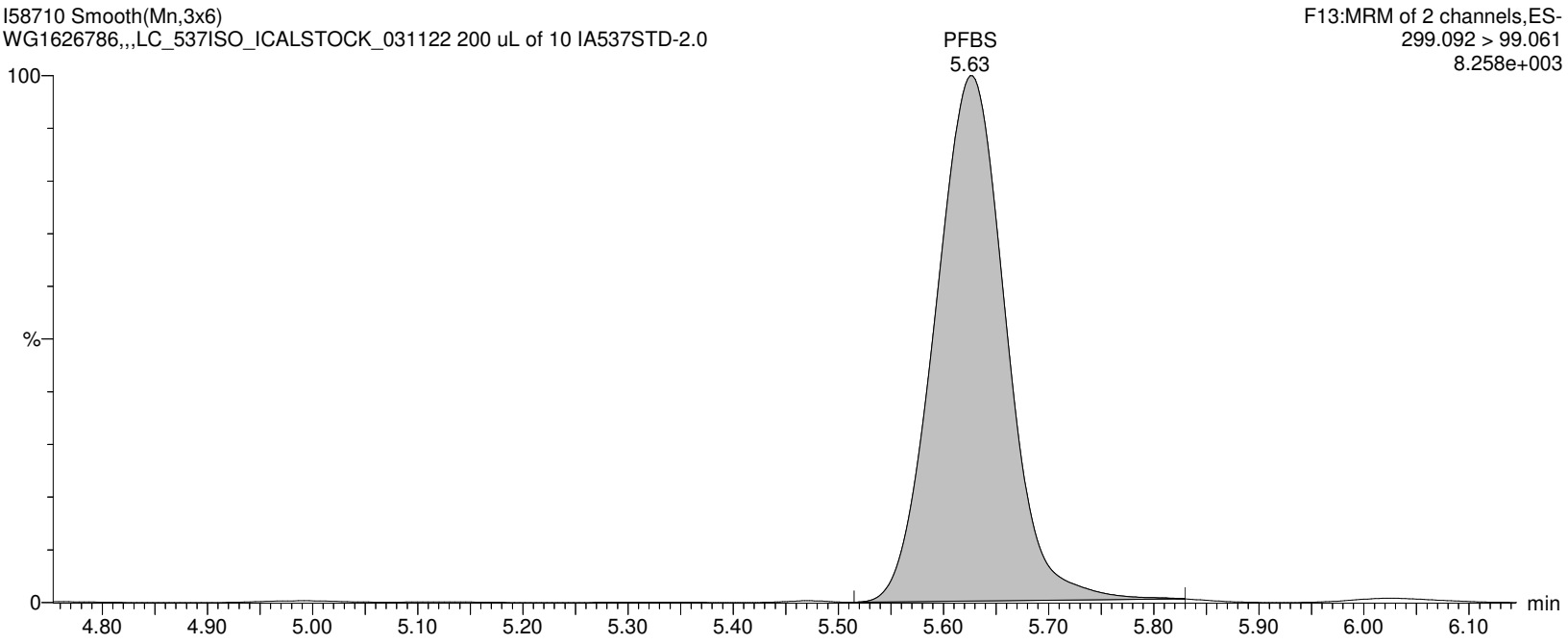
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PFBS



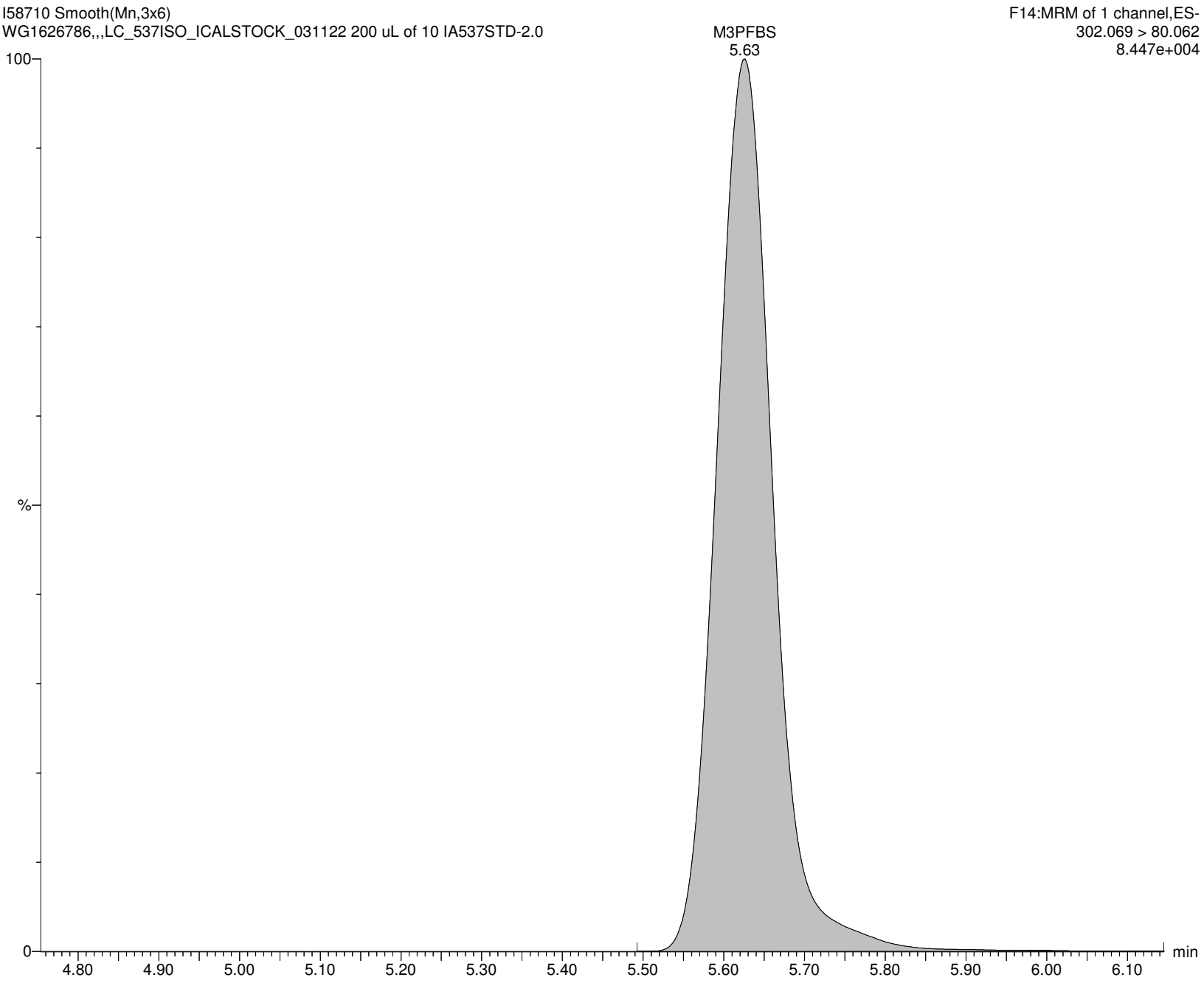


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M3PFBS

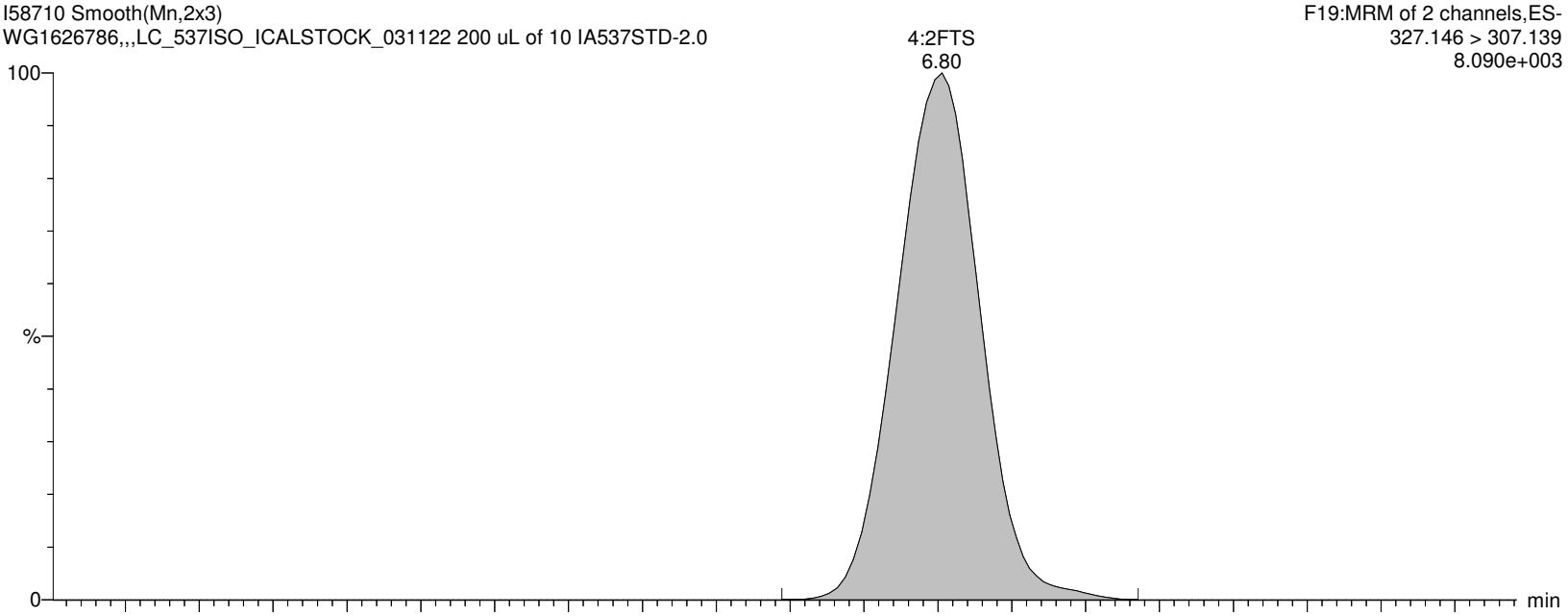


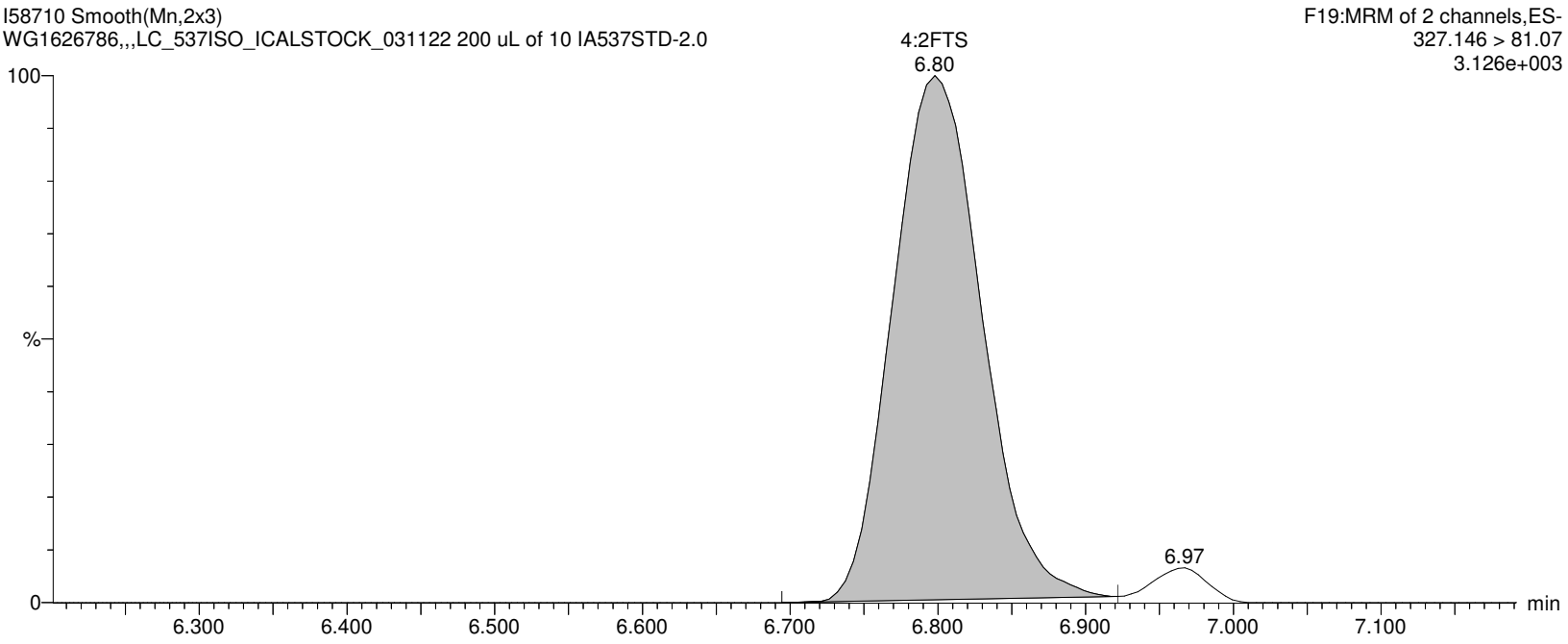
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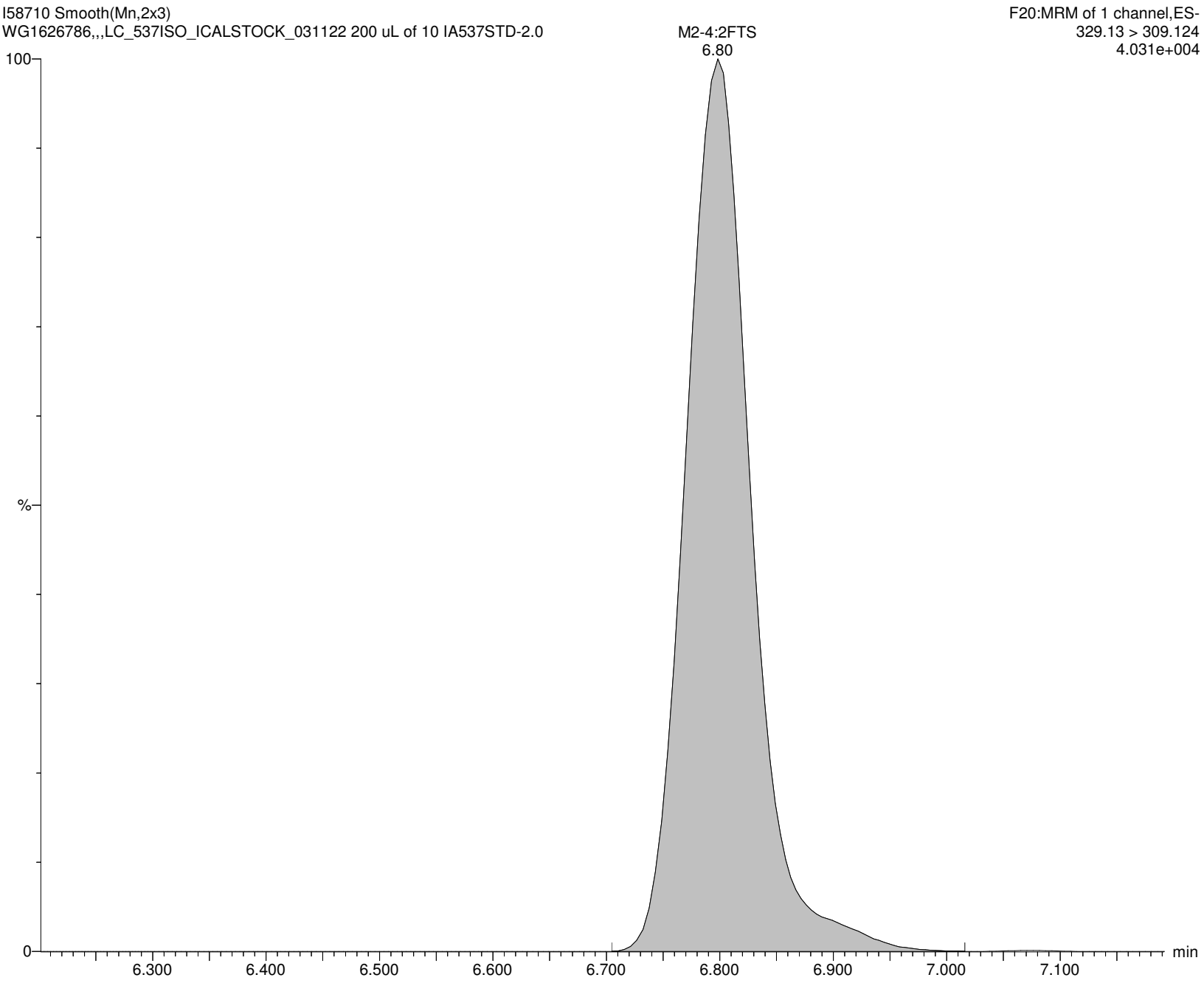


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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:15 Eastern Daylight Time

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ID: IA537STD-2.0
Date: 13-Apr-2022
Time: 16:49:47
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User: LCMS02:MP
Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
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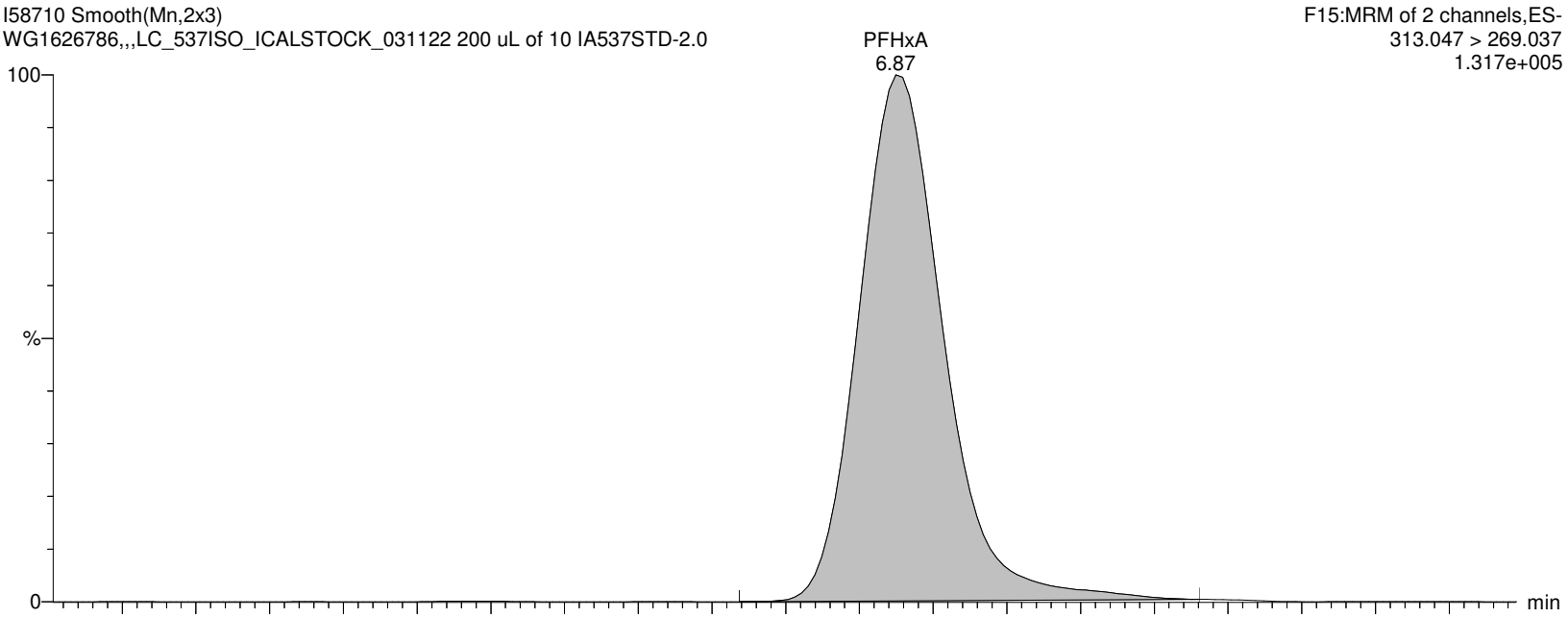


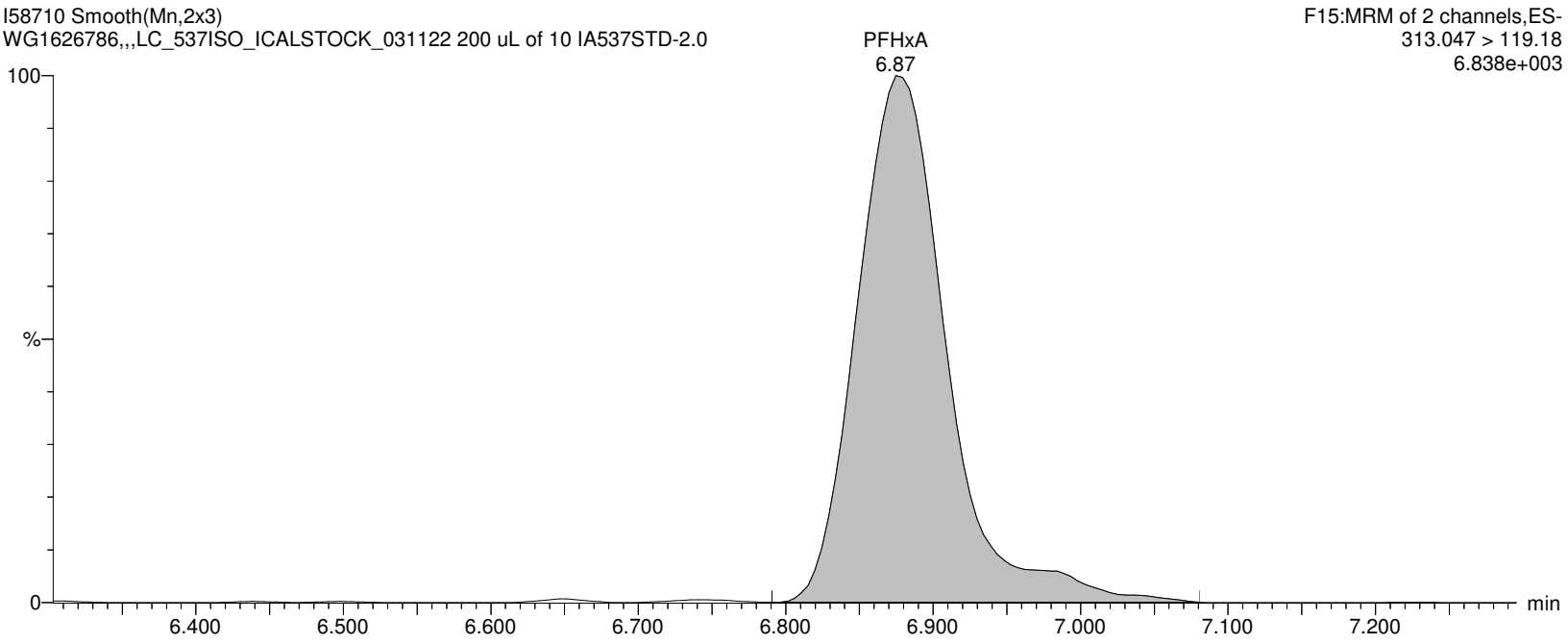
all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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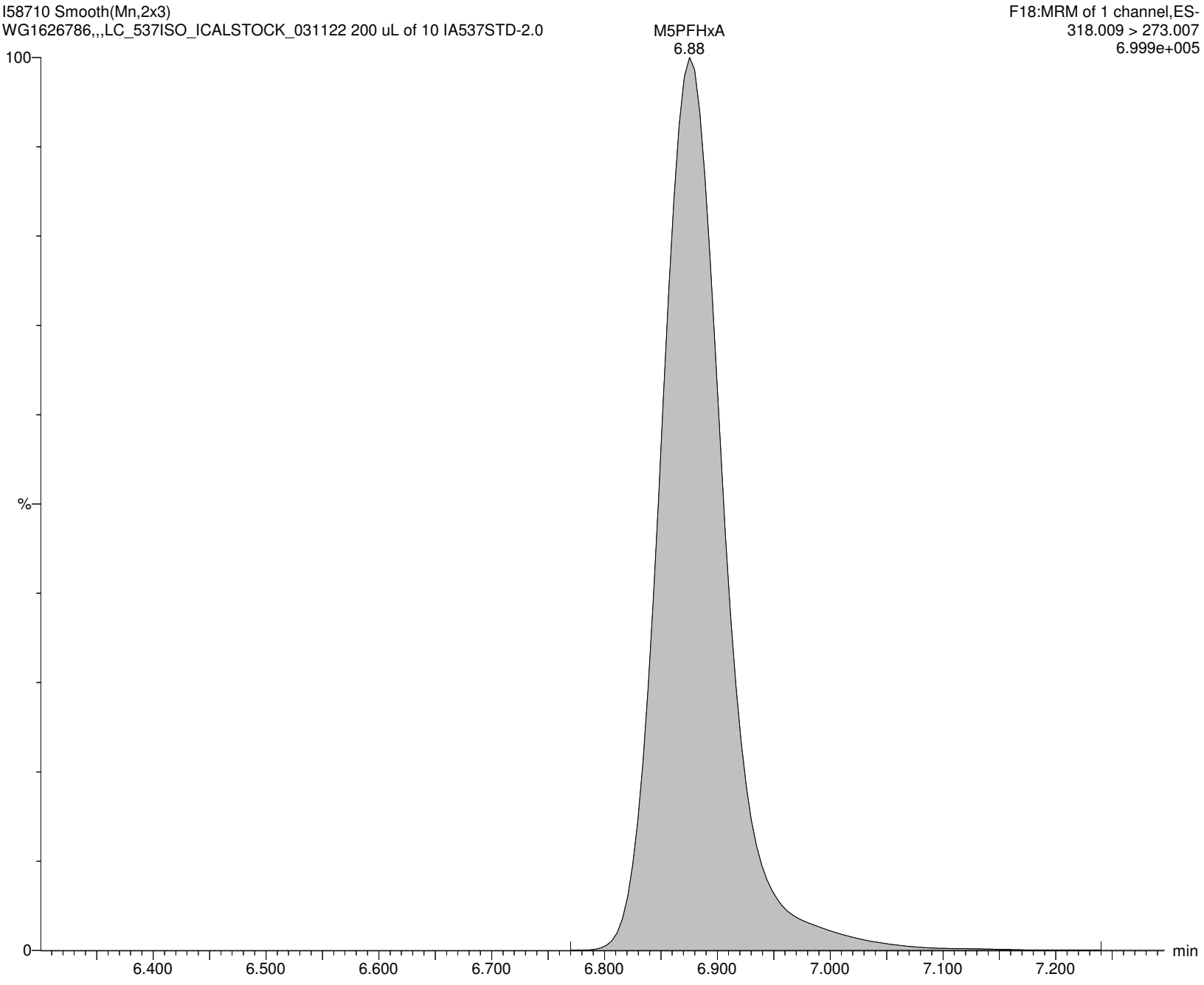


all concentration units in (ng/mL)

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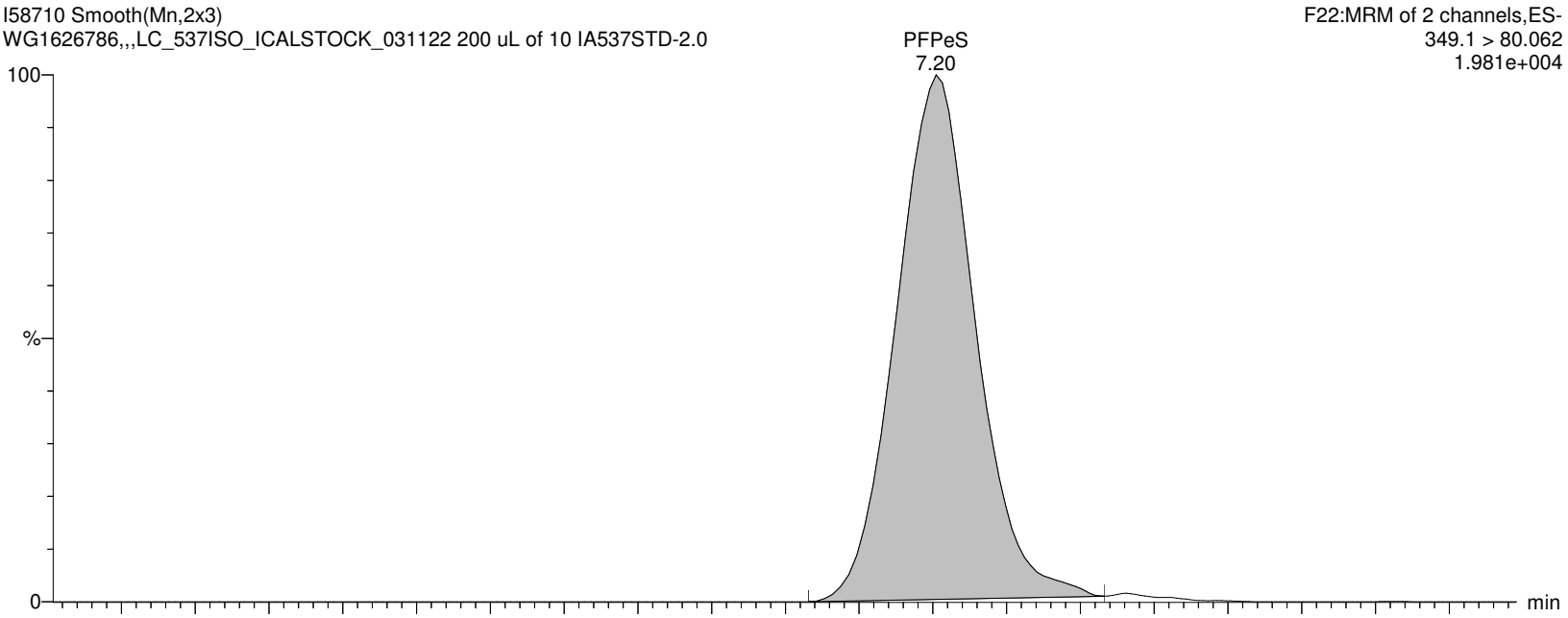


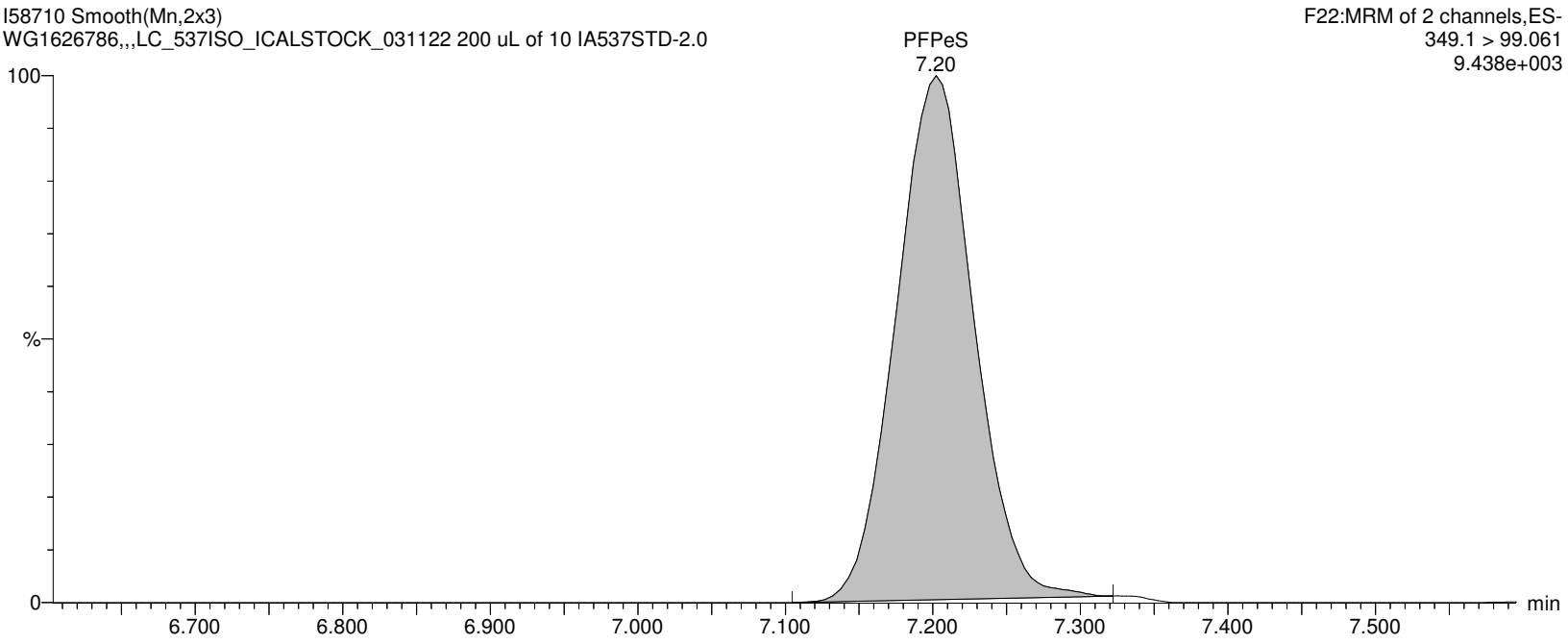
all concentration units in (ng/mL)

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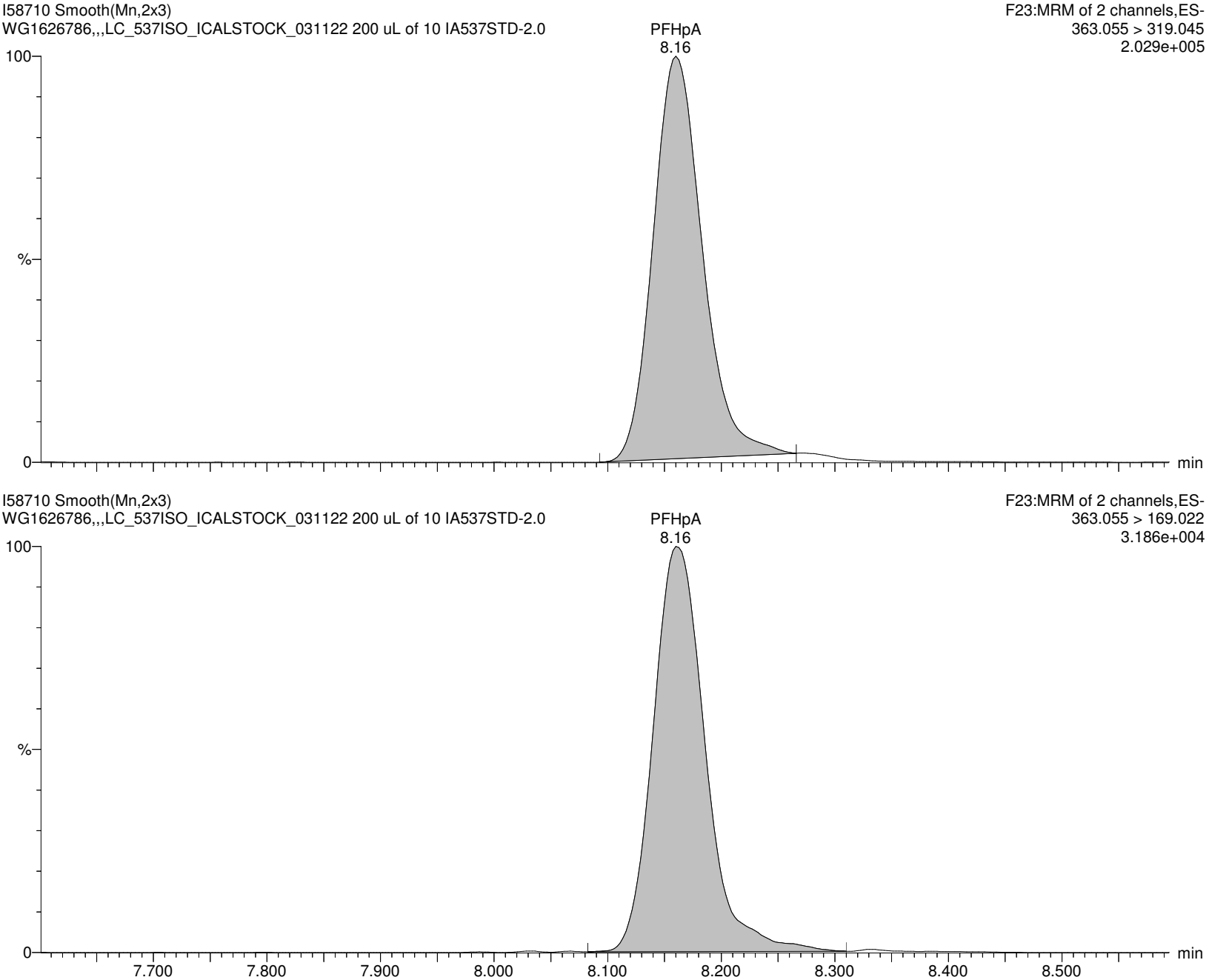


all concentration units in (ng/mL)

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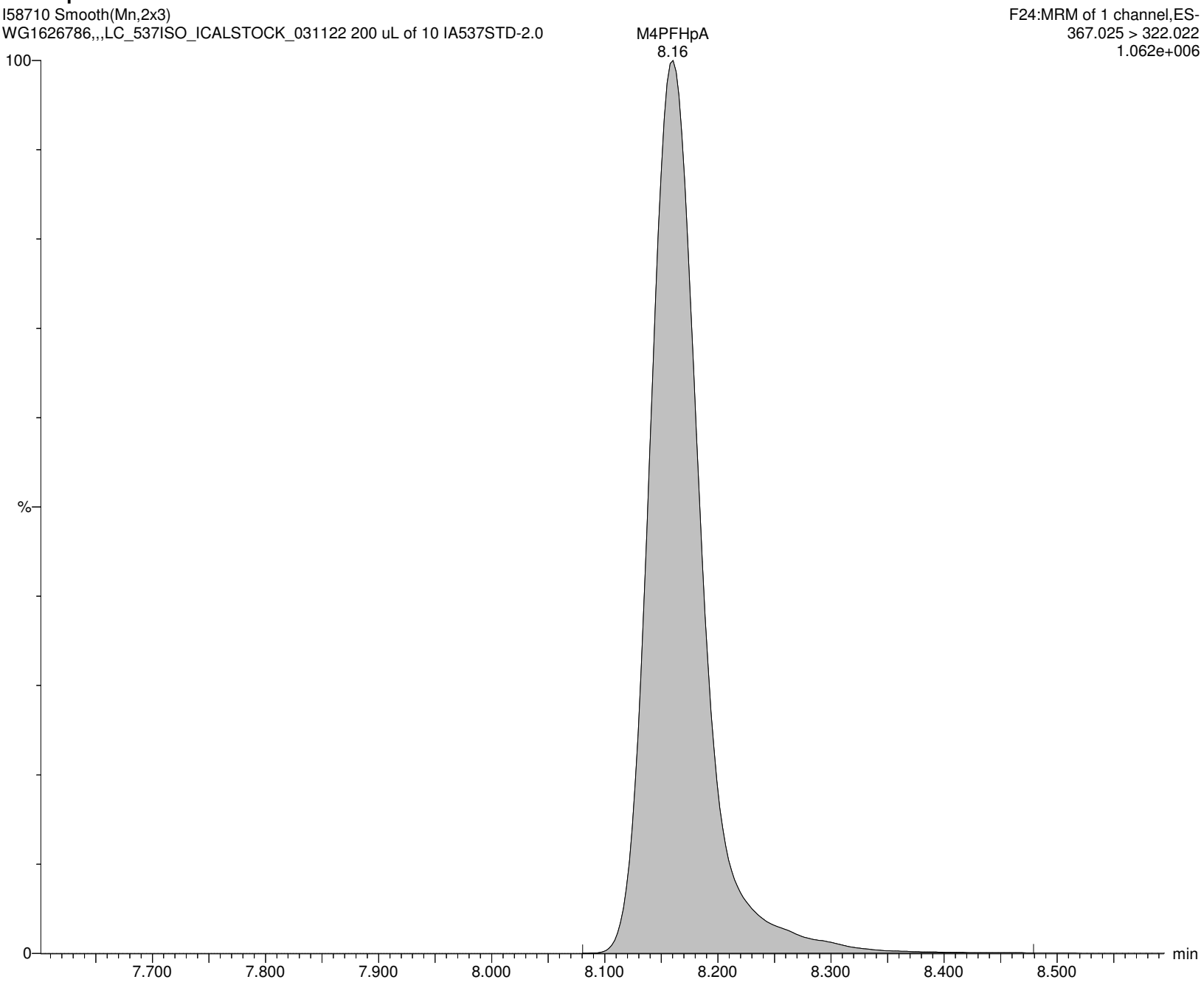


all concentration units in (ng/mL)

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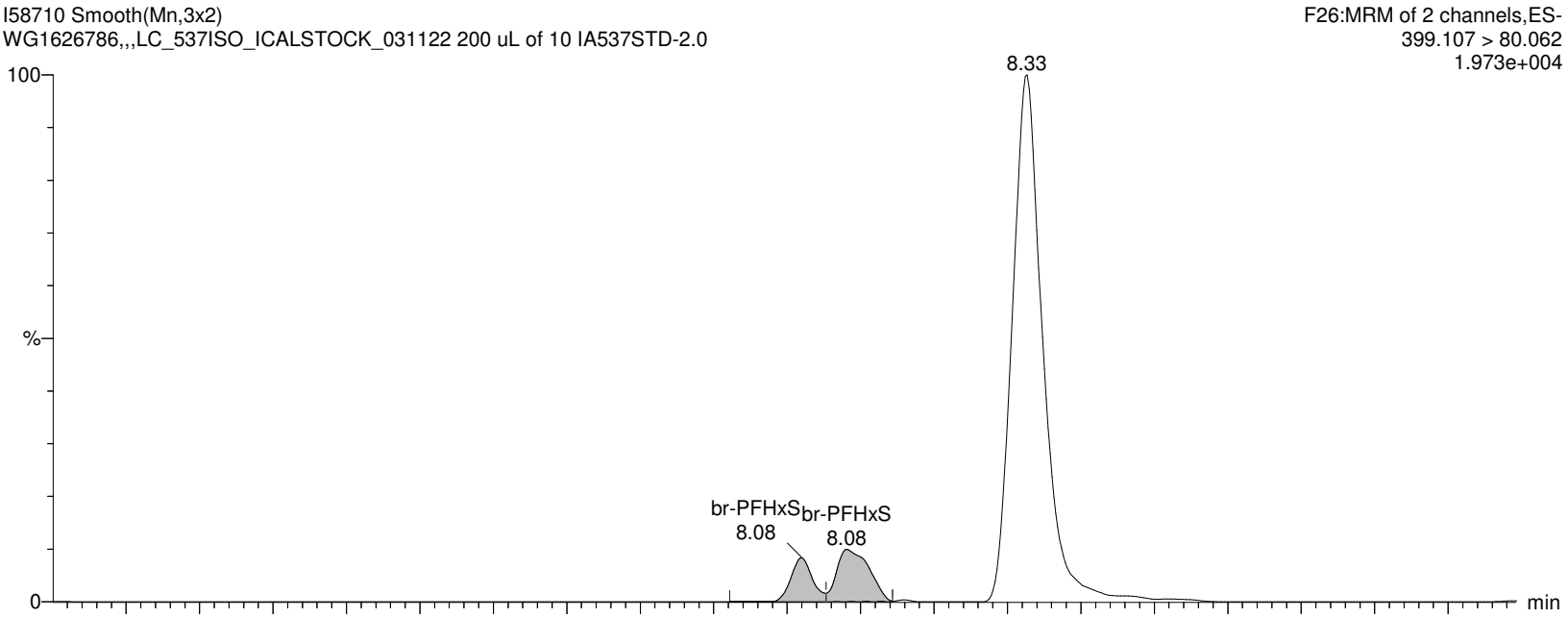


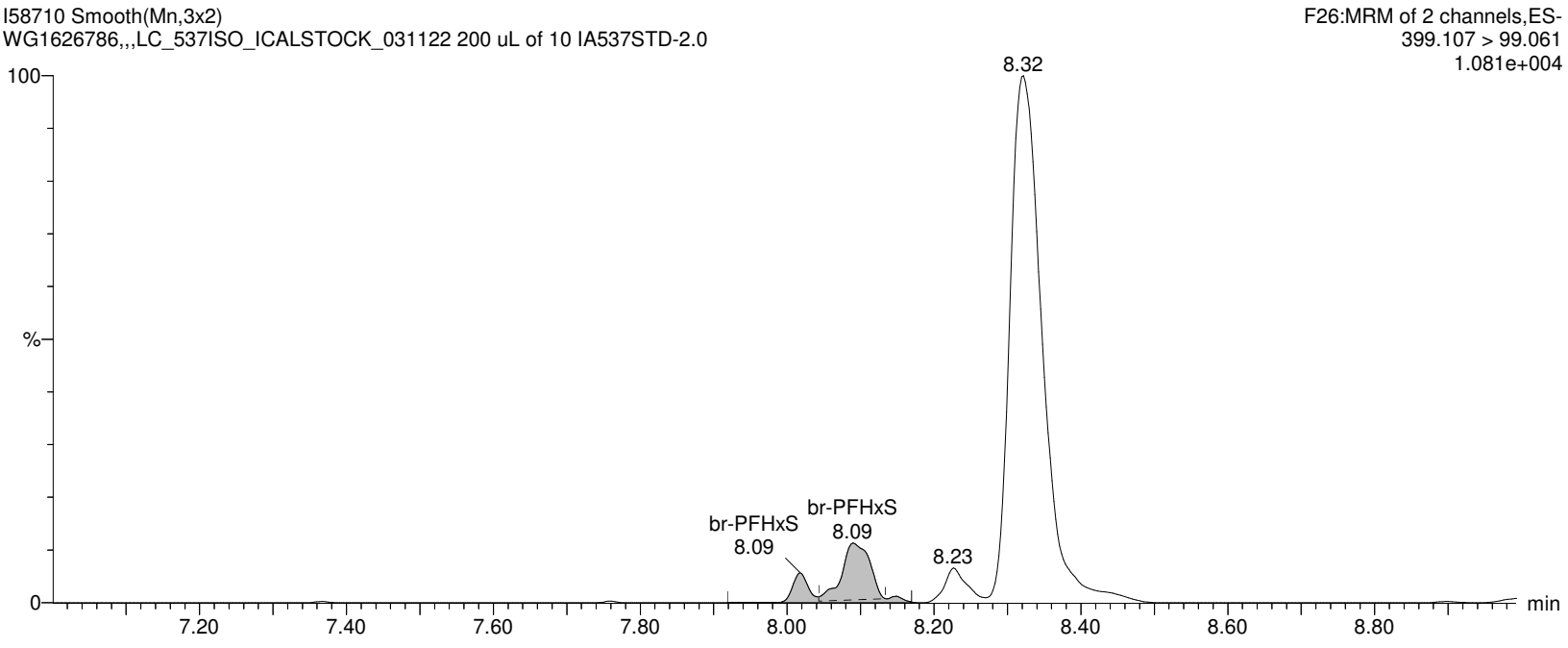
all concentration units in (ng/mL)

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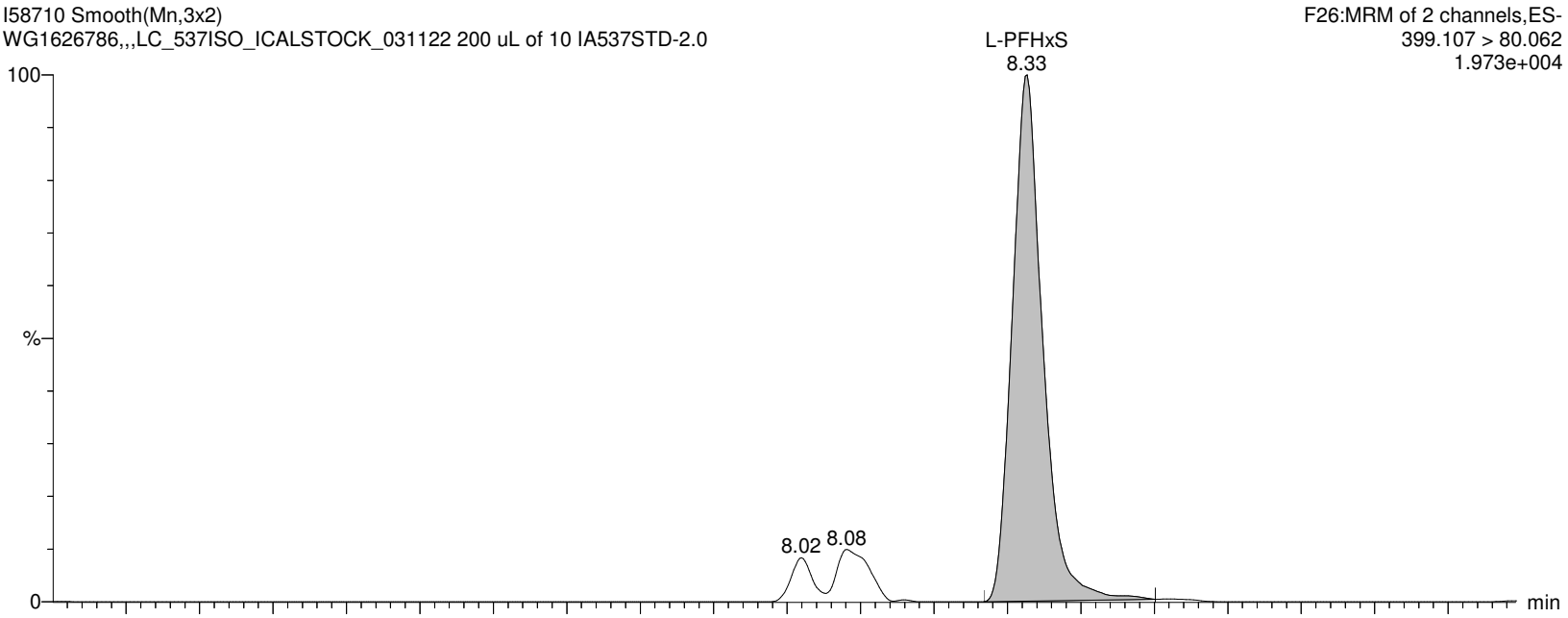


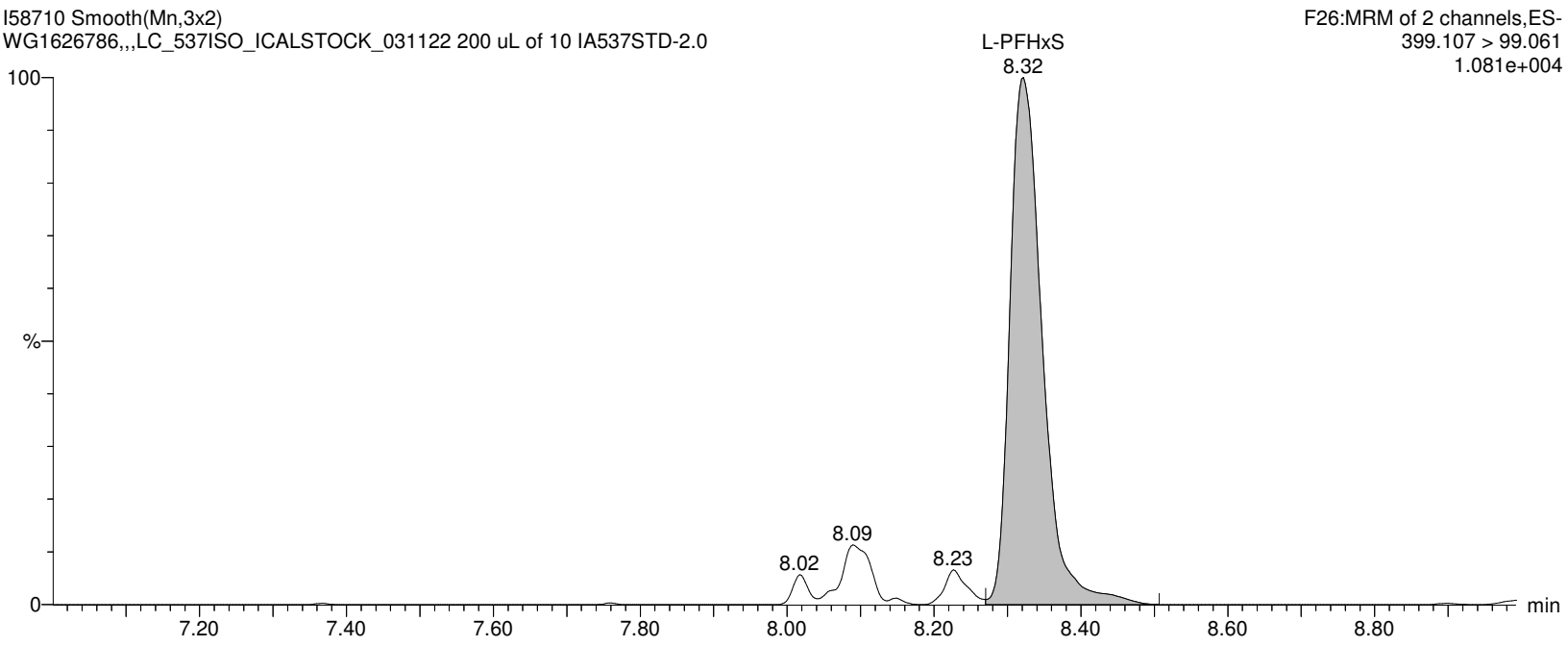
all concentration units in (ng/mL)

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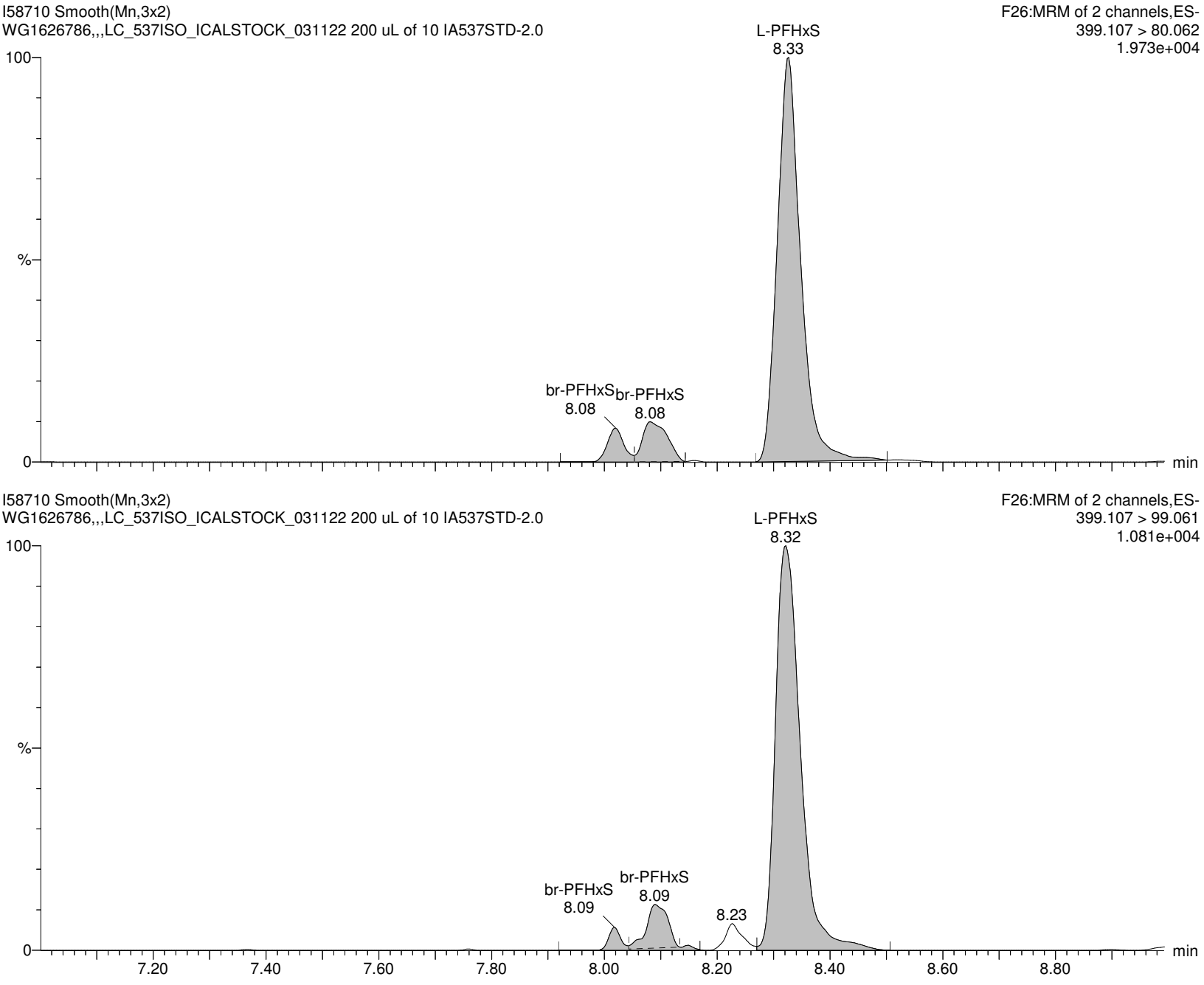


all concentration units in (ng/mL)

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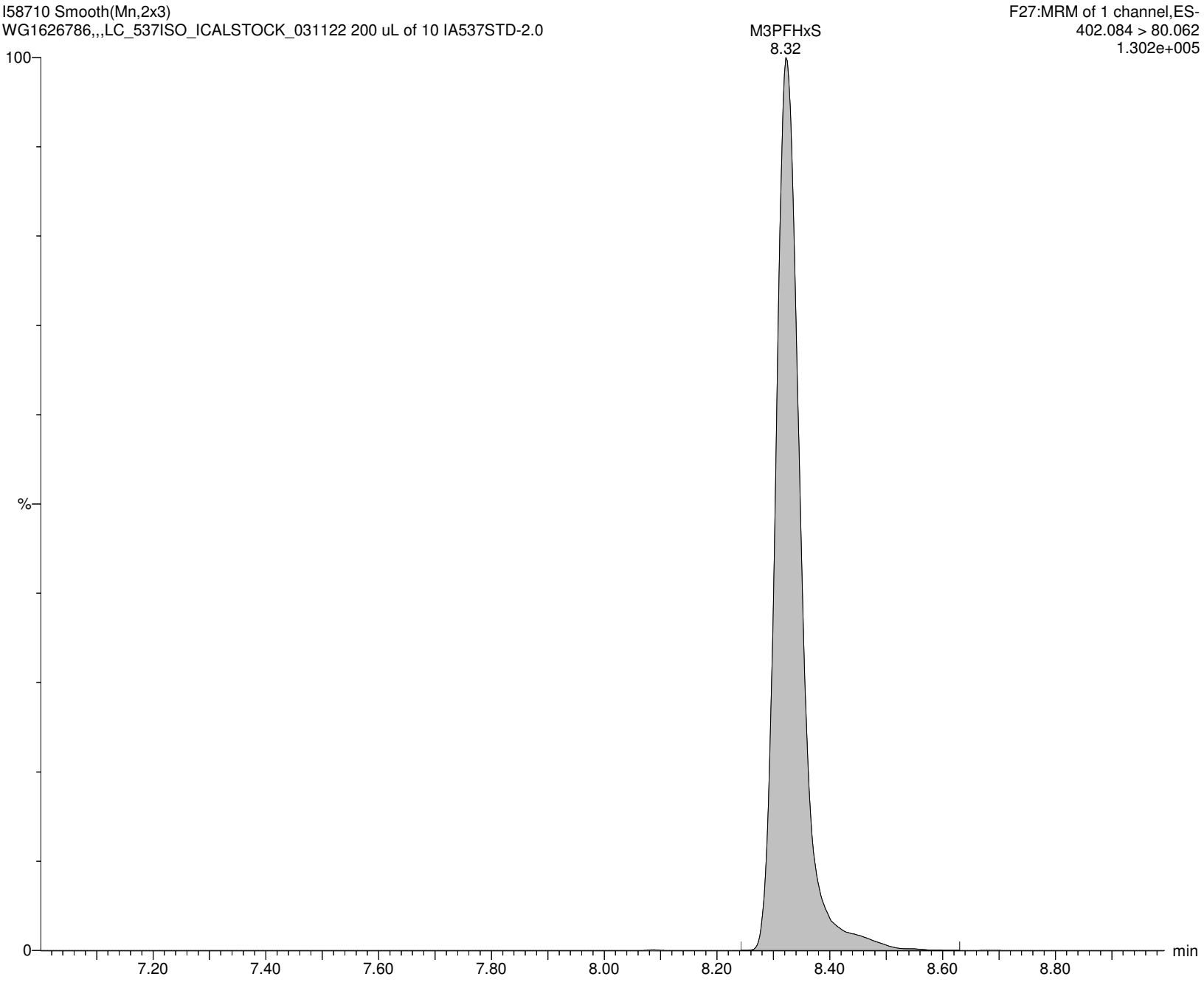


all concentration units in (ng/mL)

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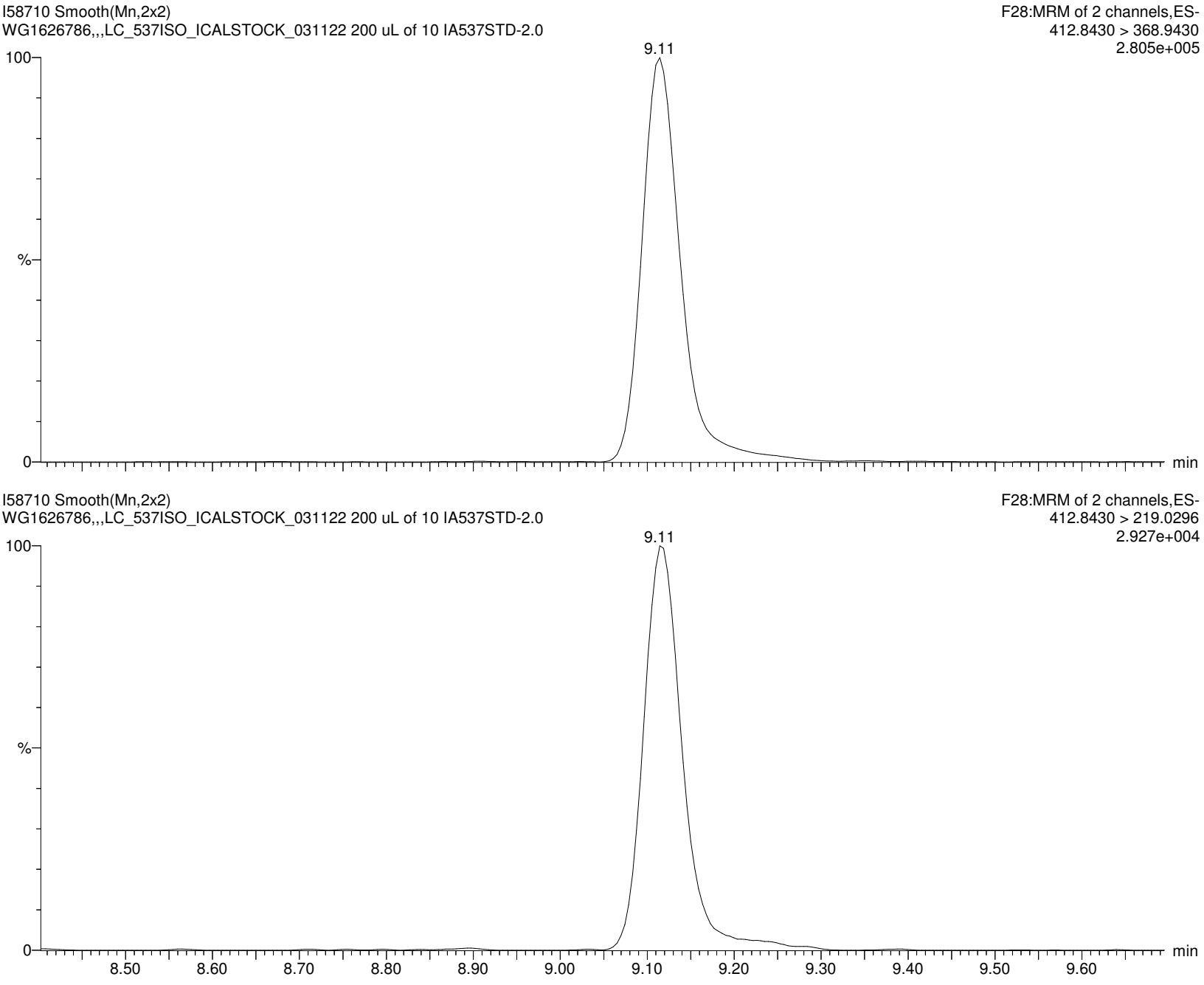


all concentration units in (ng/mL)

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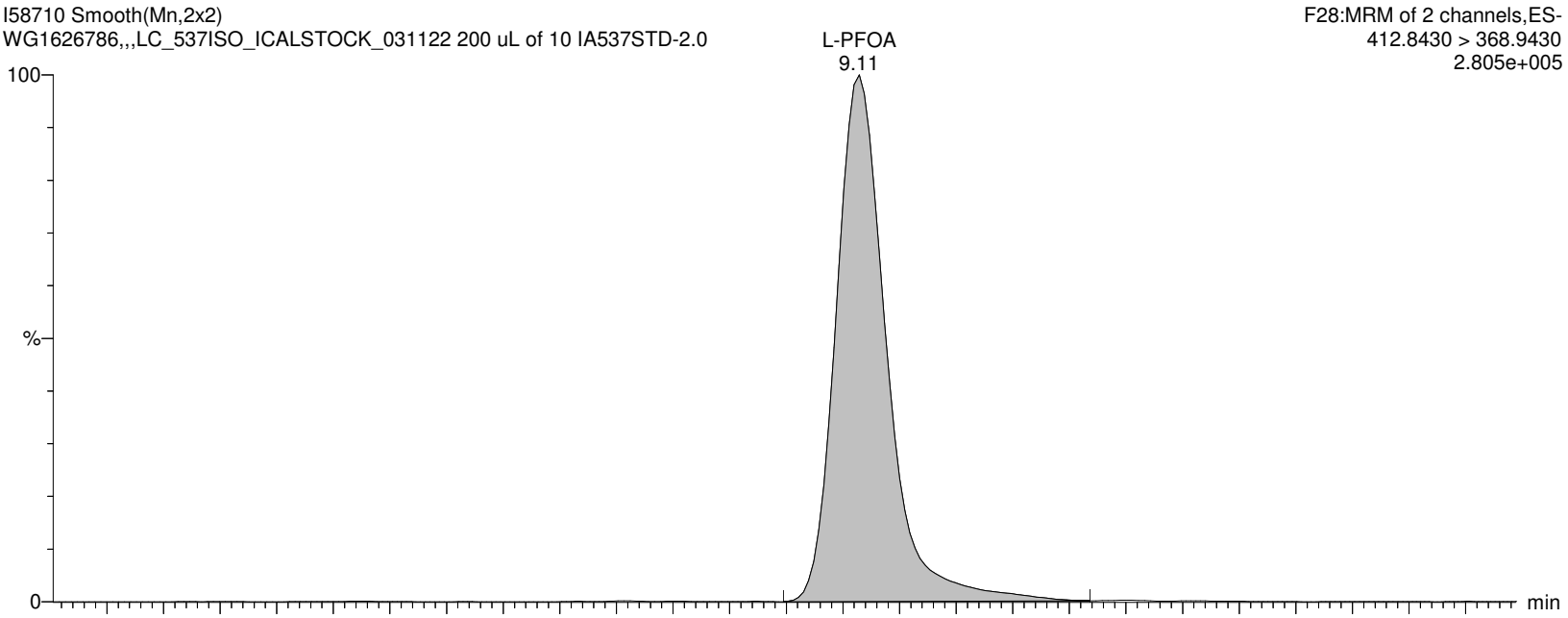


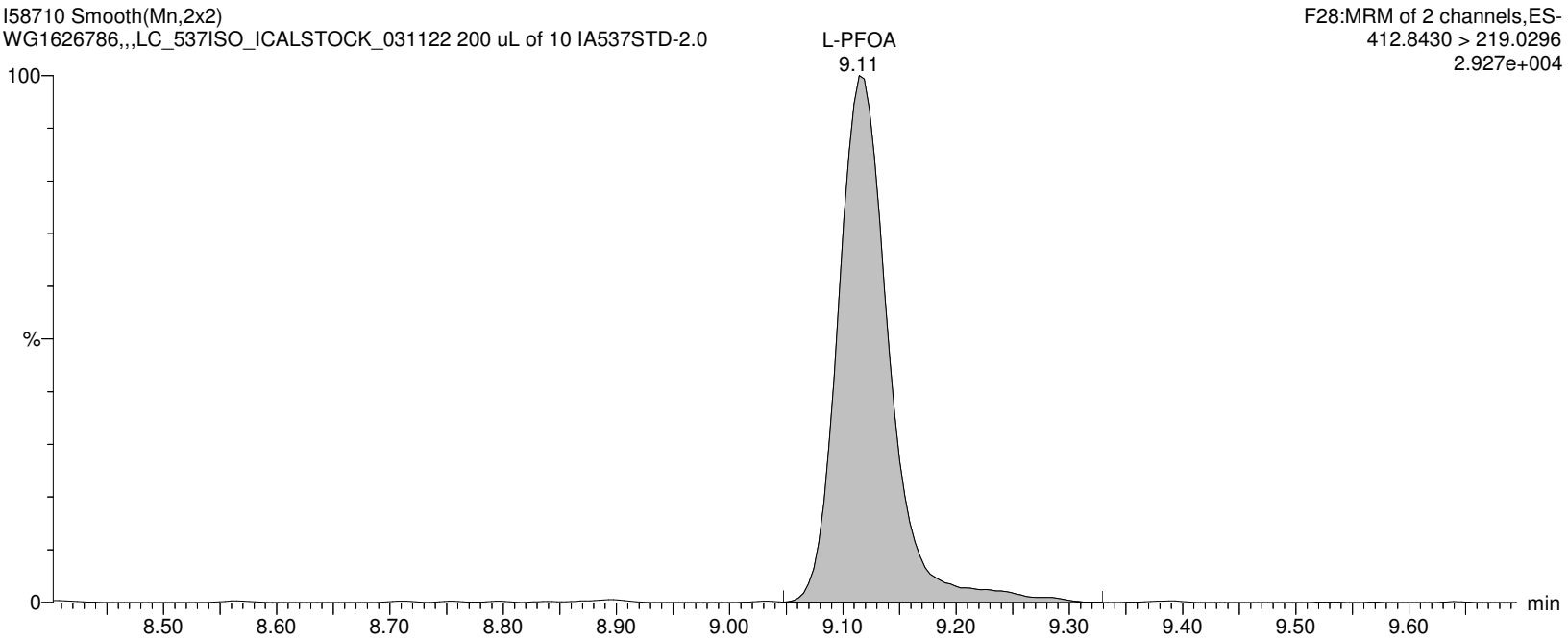
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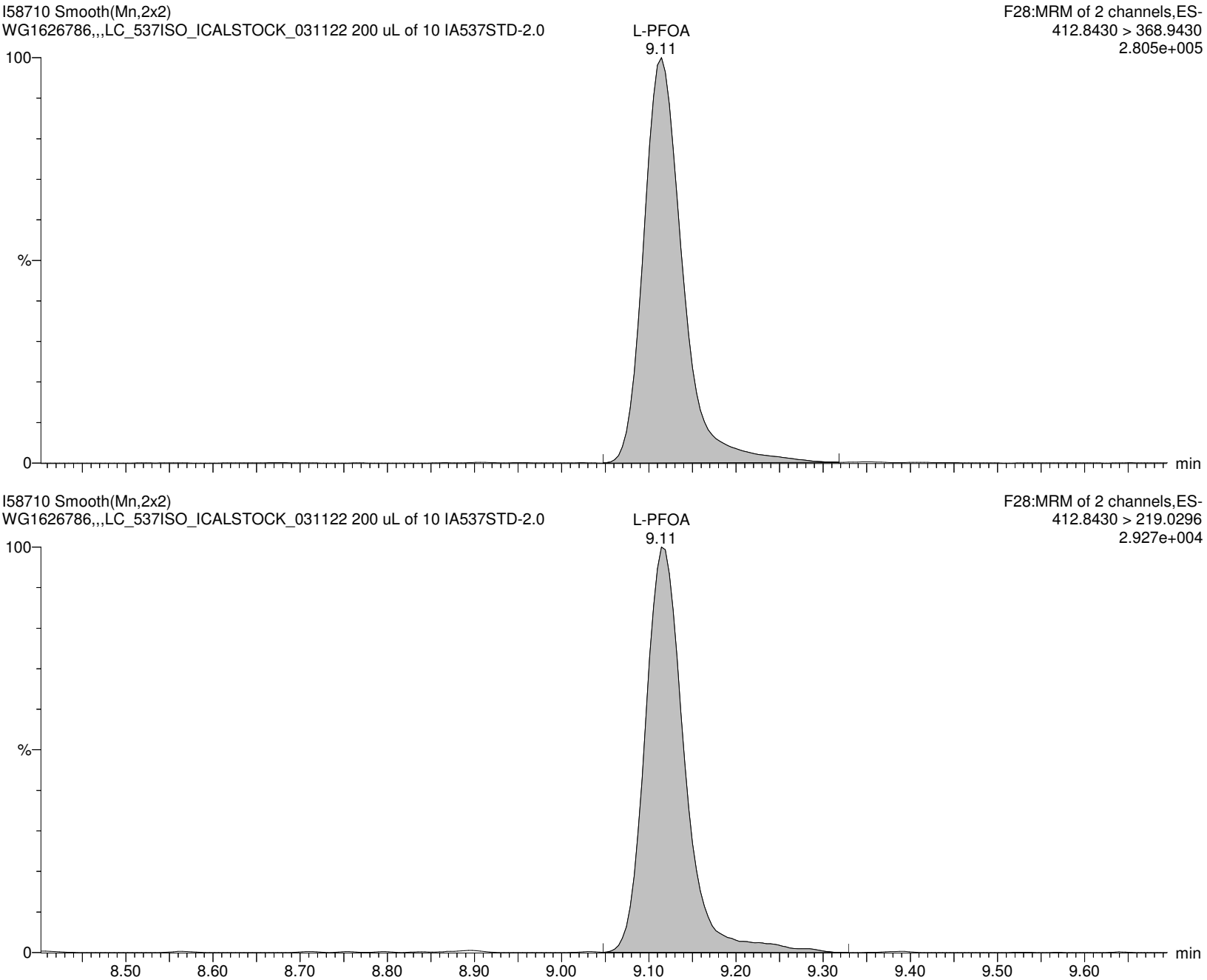


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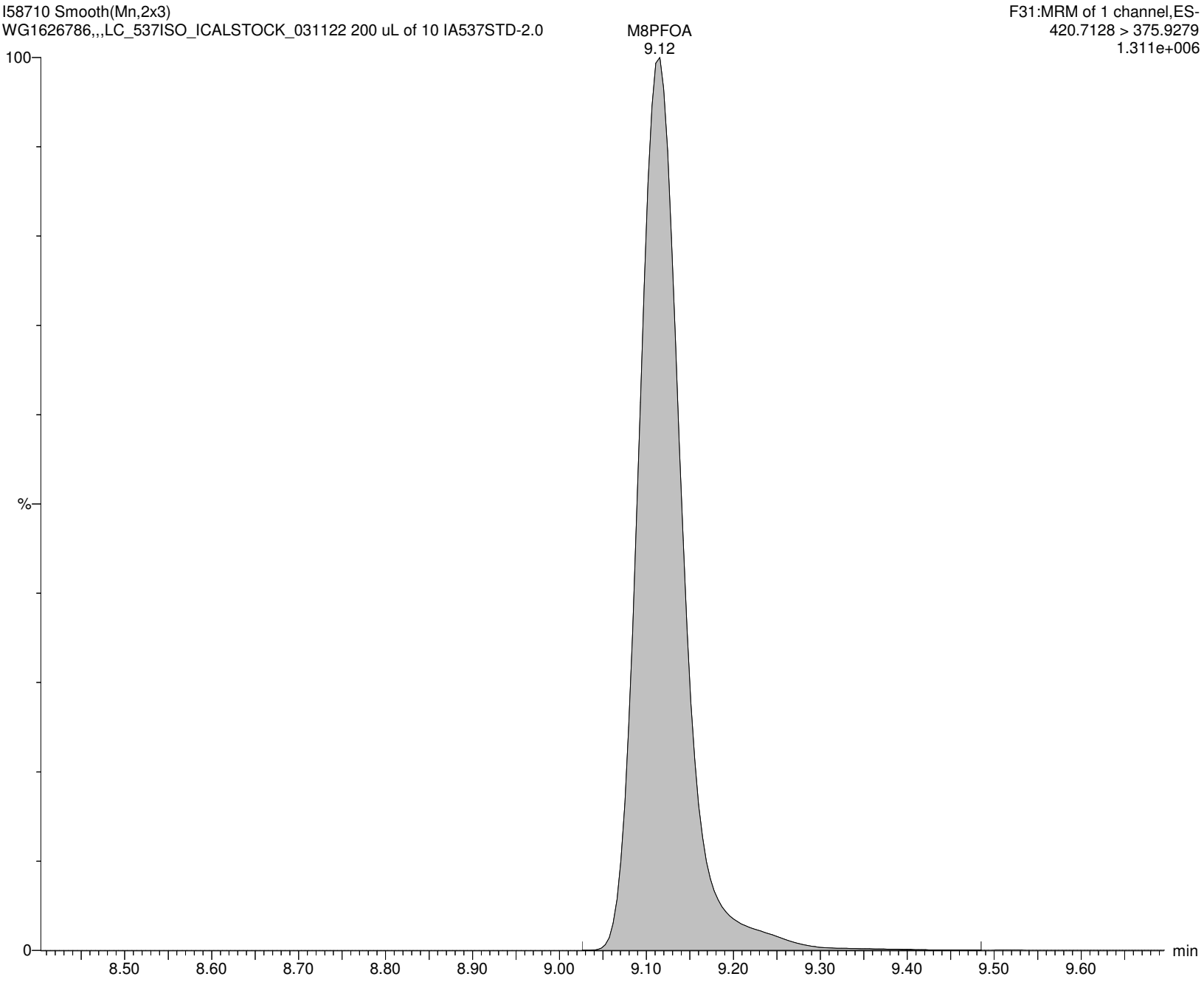


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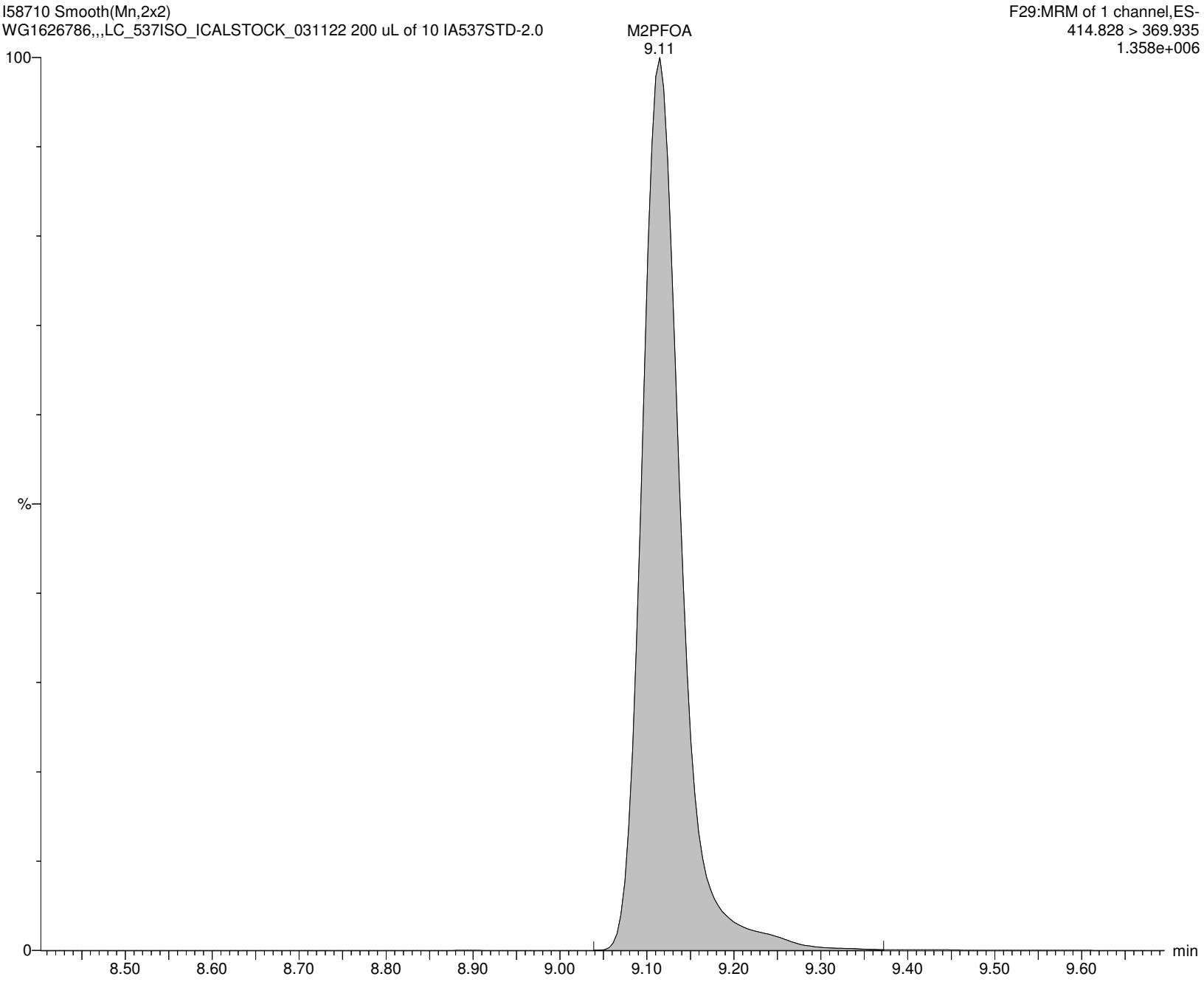


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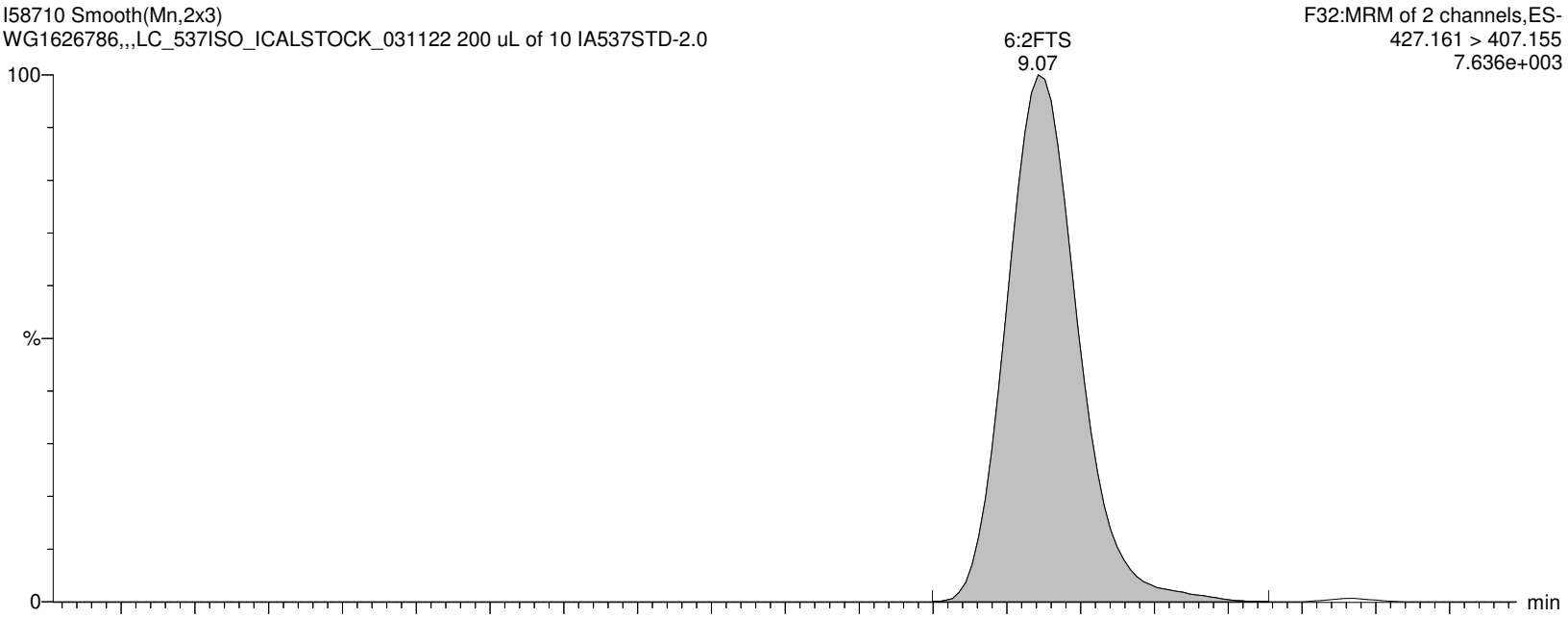


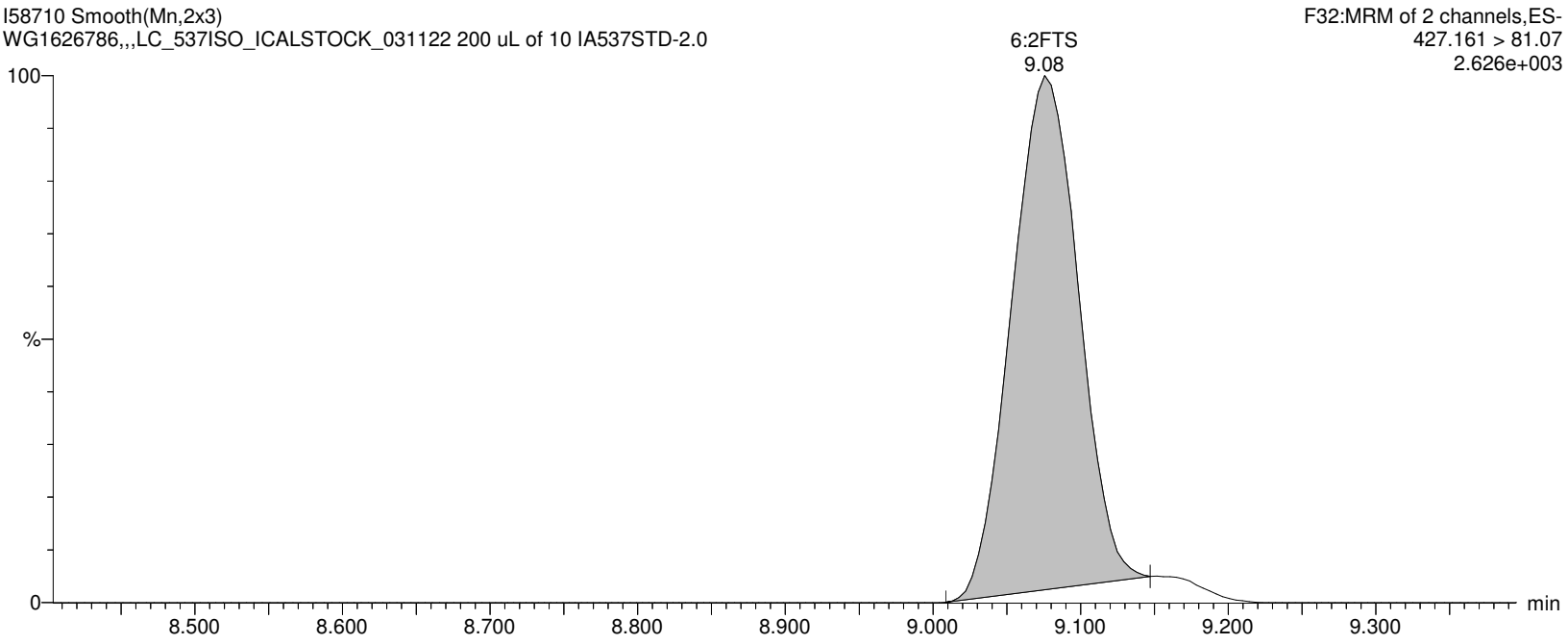
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6:2FTS



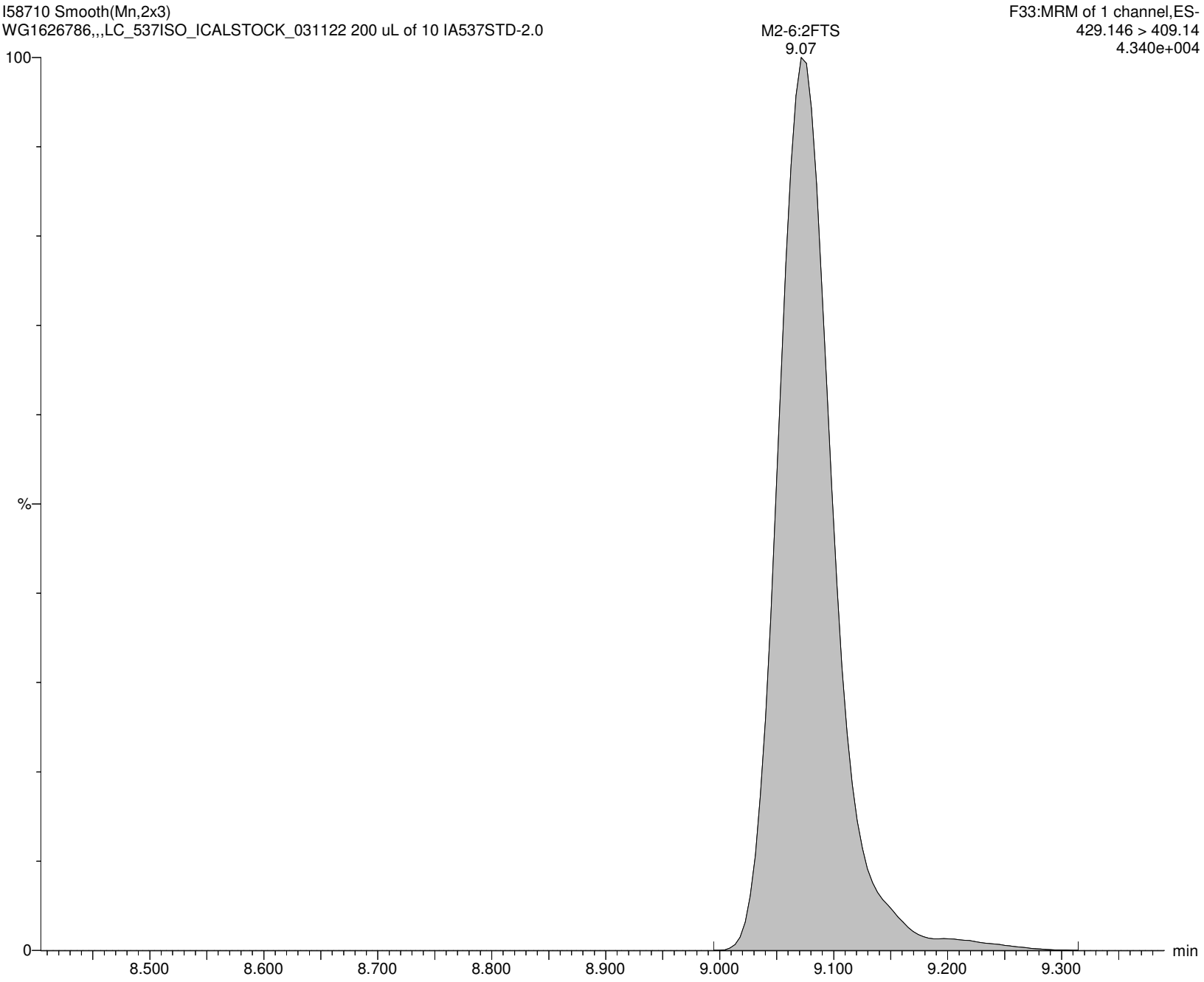


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:15 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 16:49:47
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User: LCMS02:MP
Vial: 1:A,4
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M2-6:2FTS

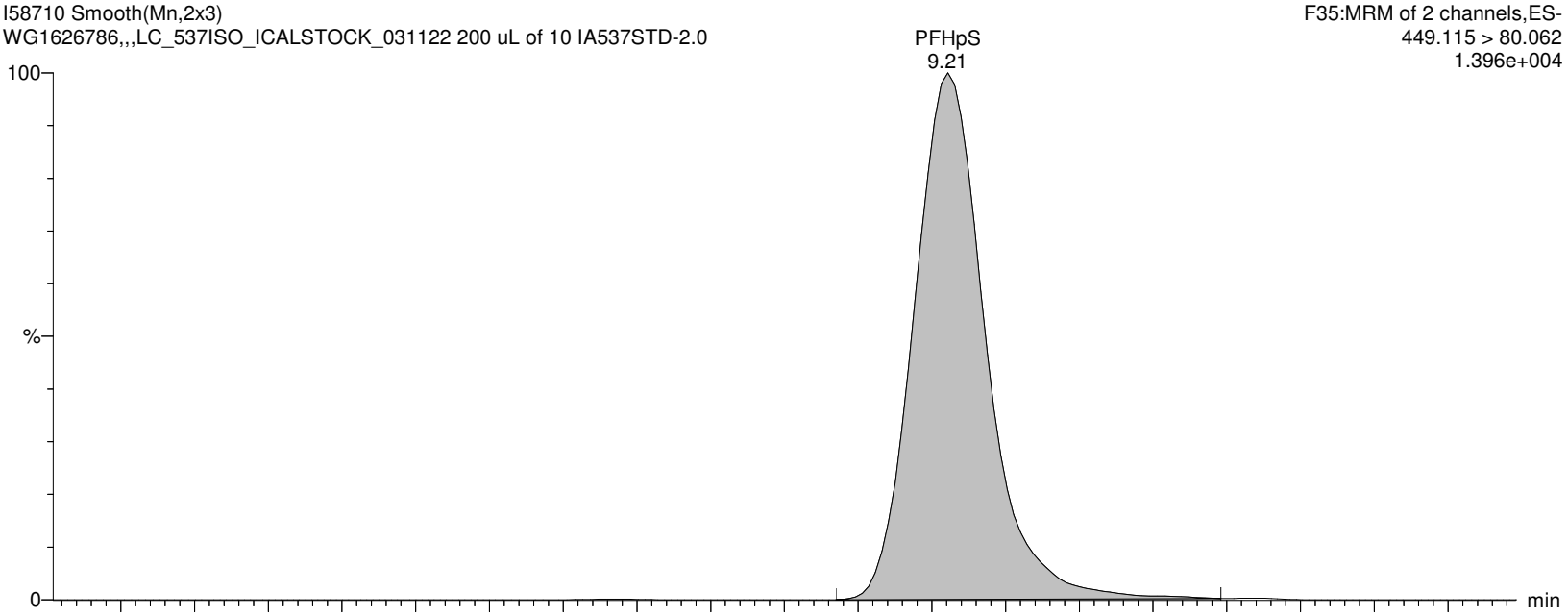


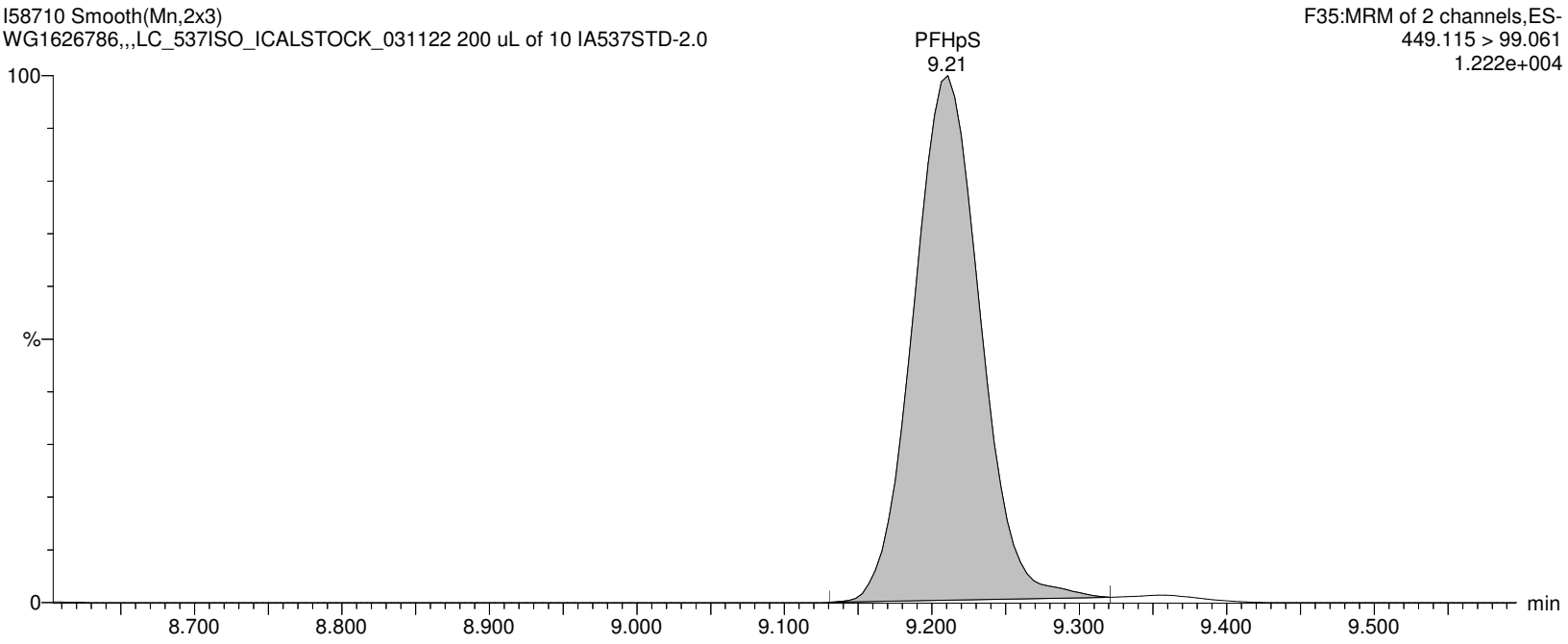
all concentration units in (ng/mL)

Alpha Analytical Inc.
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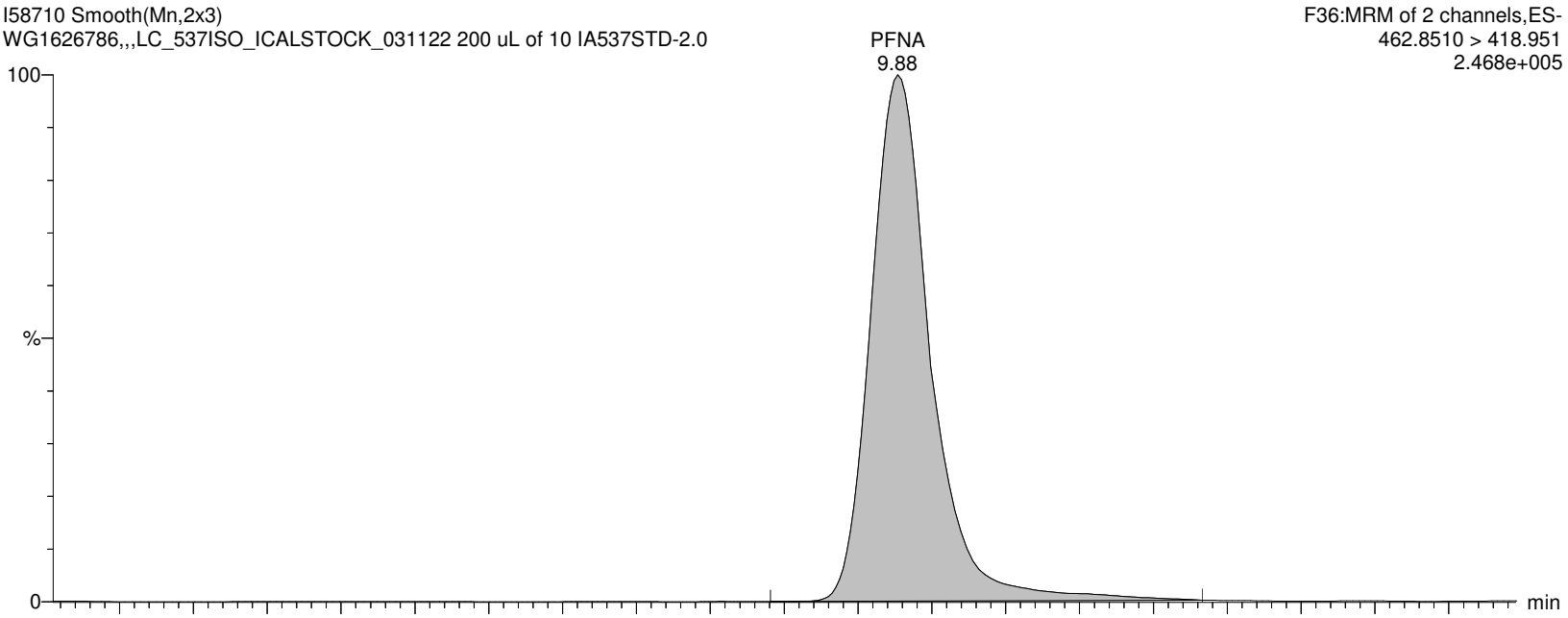


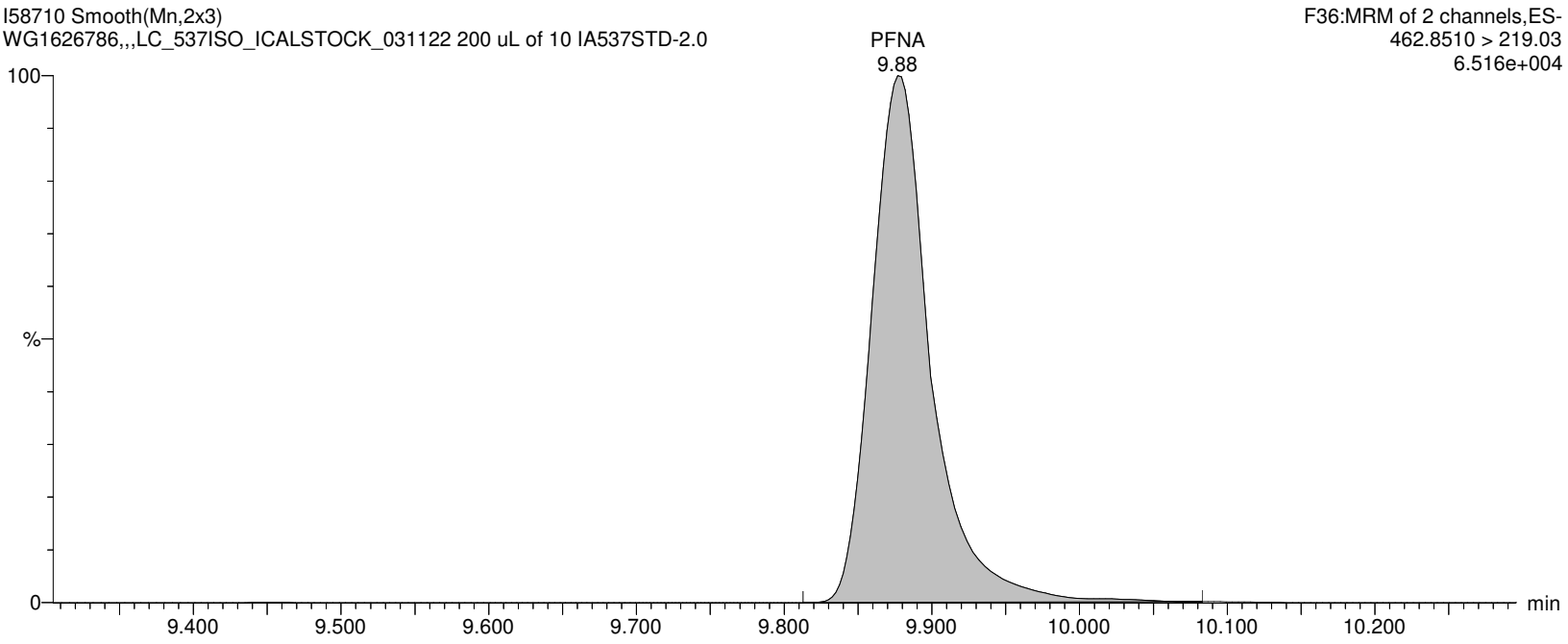
all concentration units in (ng/mL)

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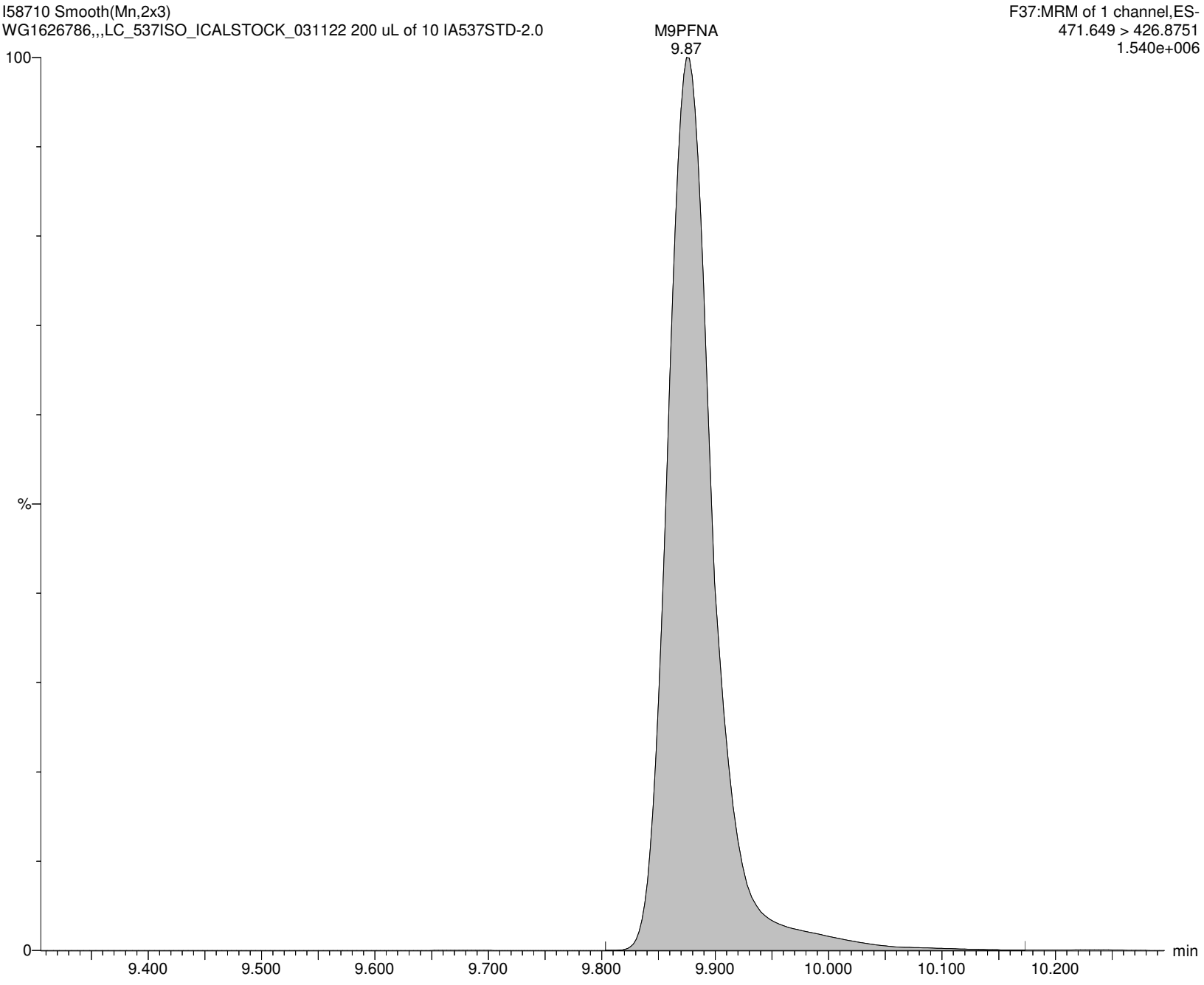


all concentration units in (ng/mL)

Alpha Analytical Inc.
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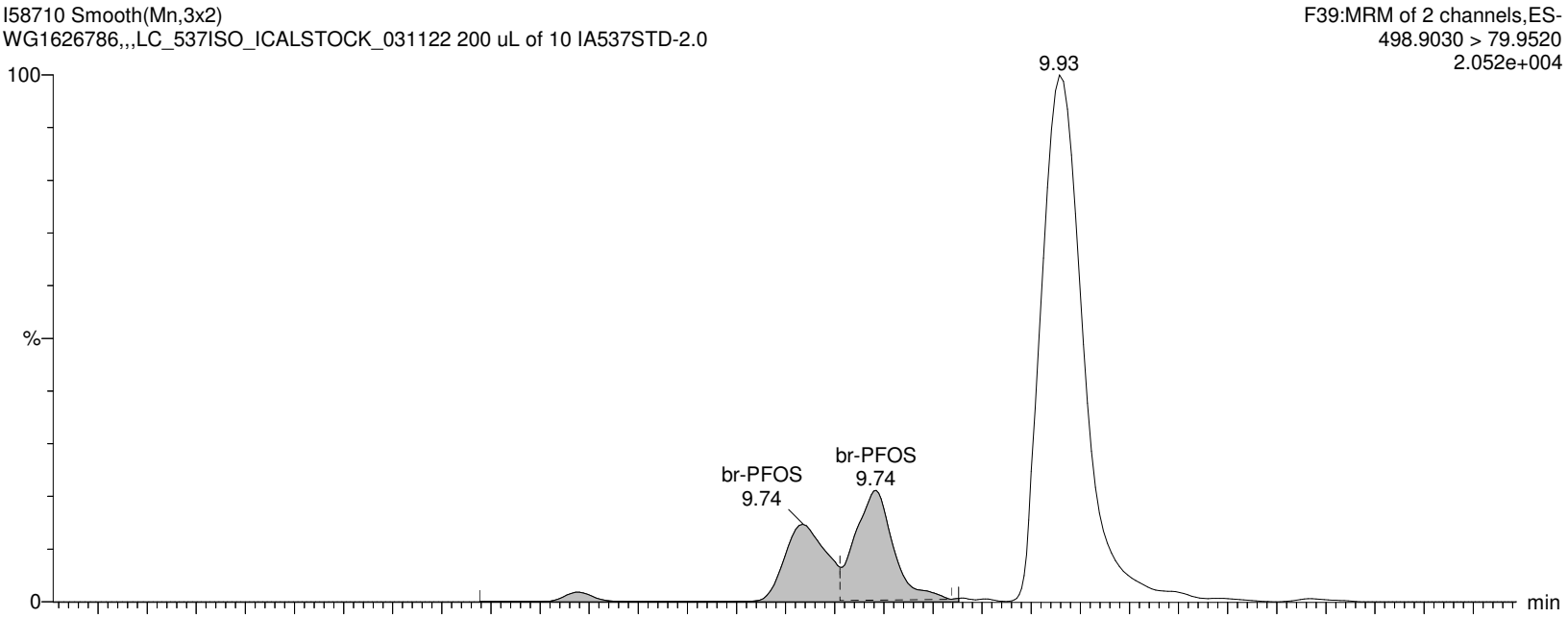


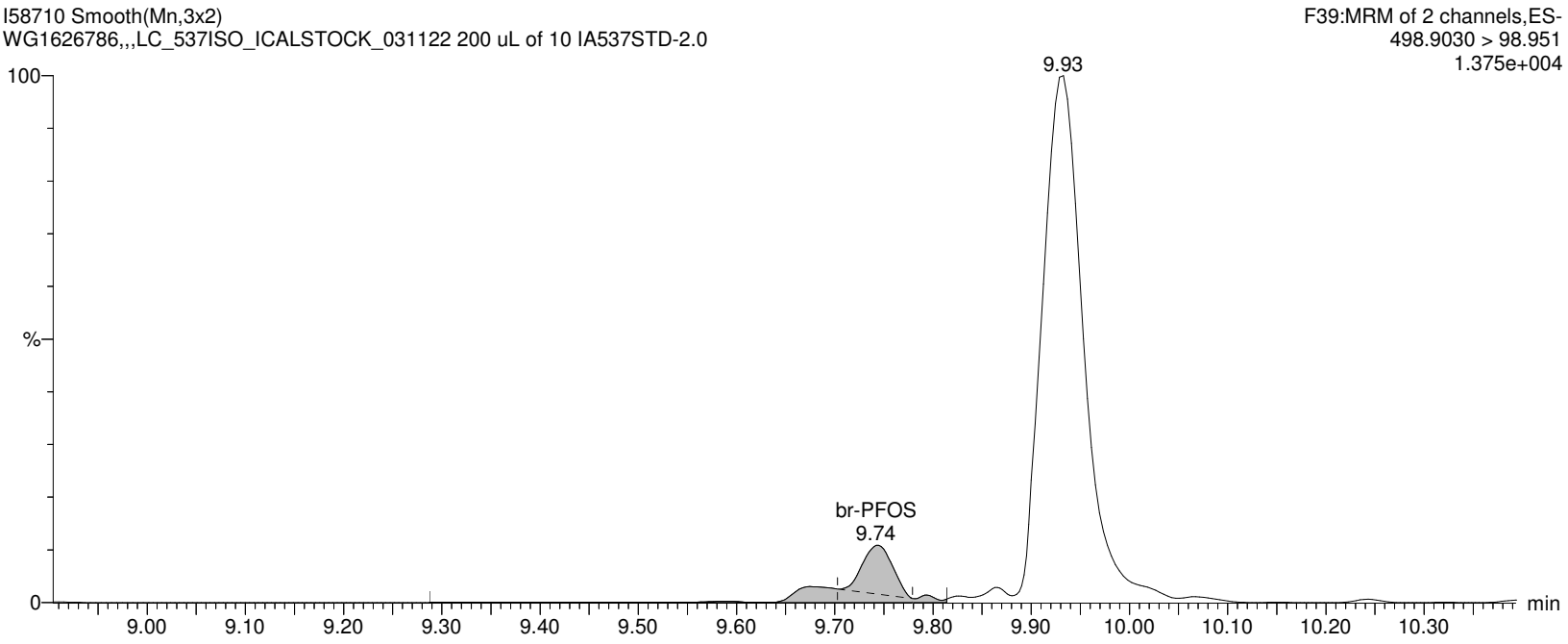
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-PFOS



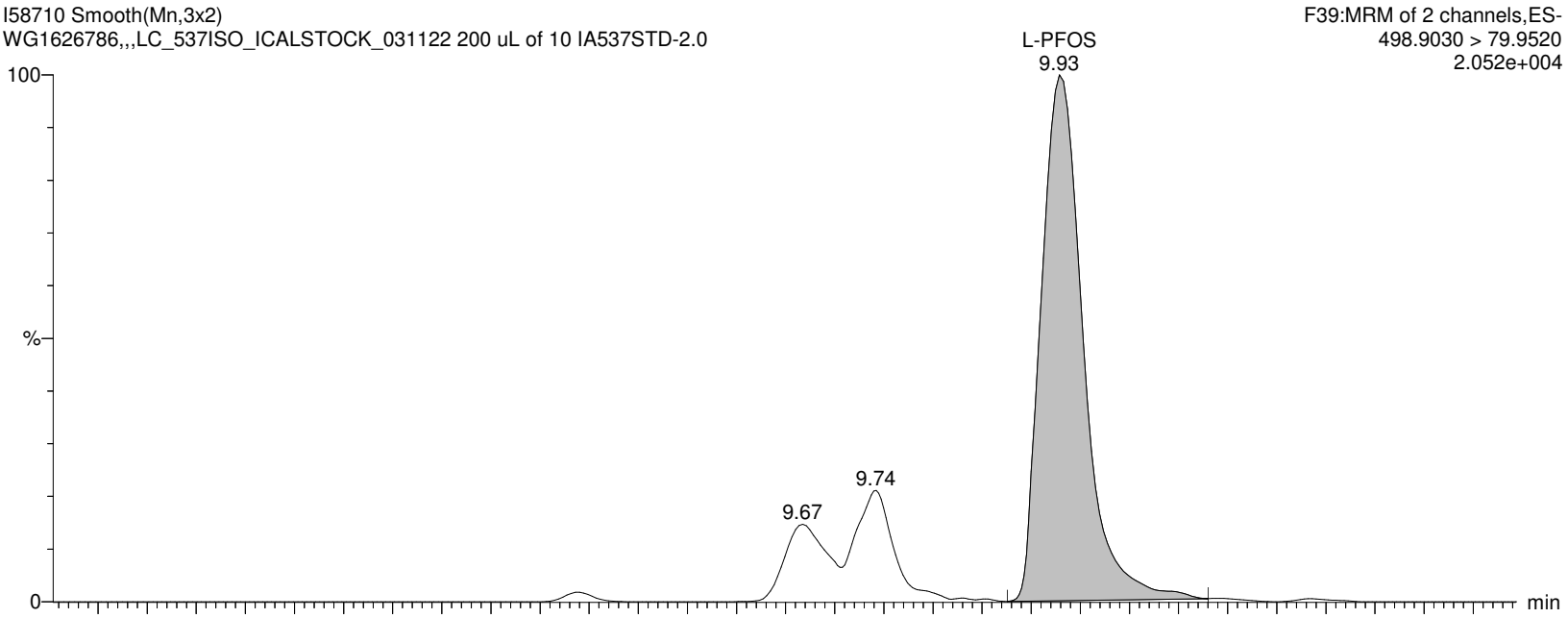


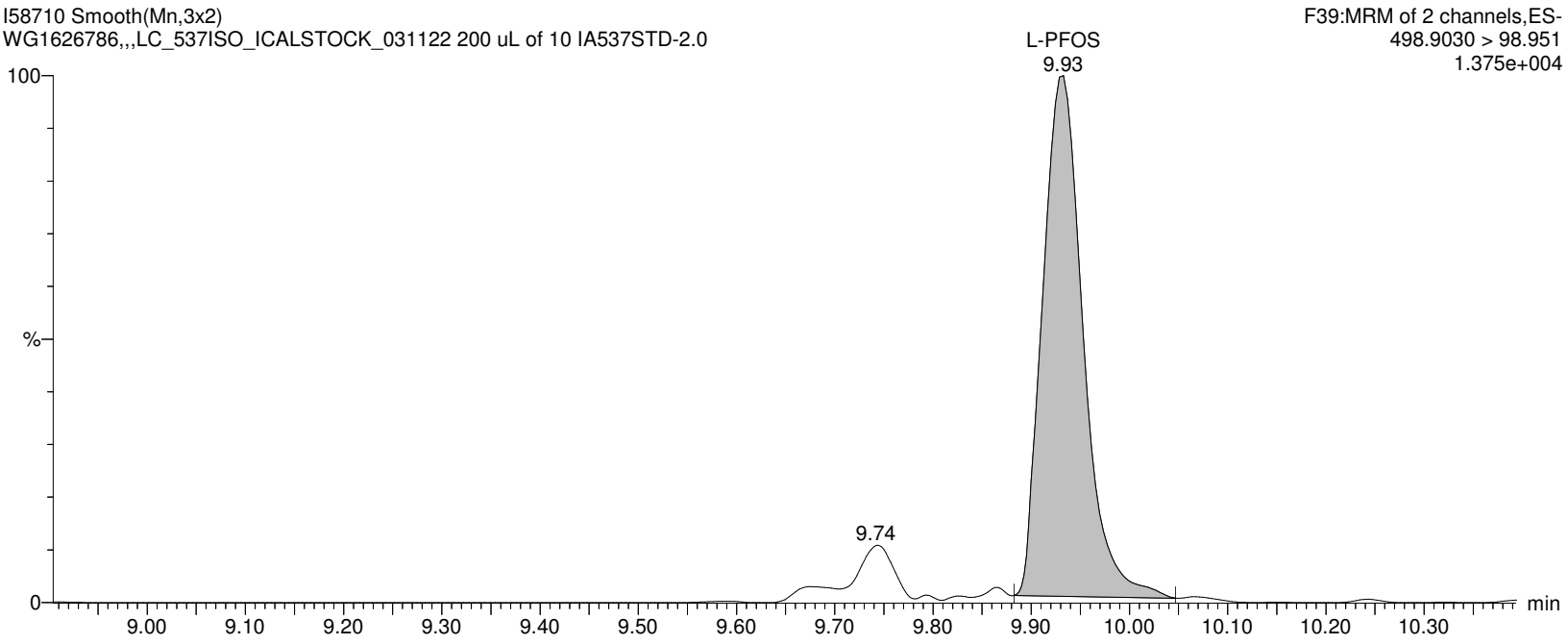
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOS



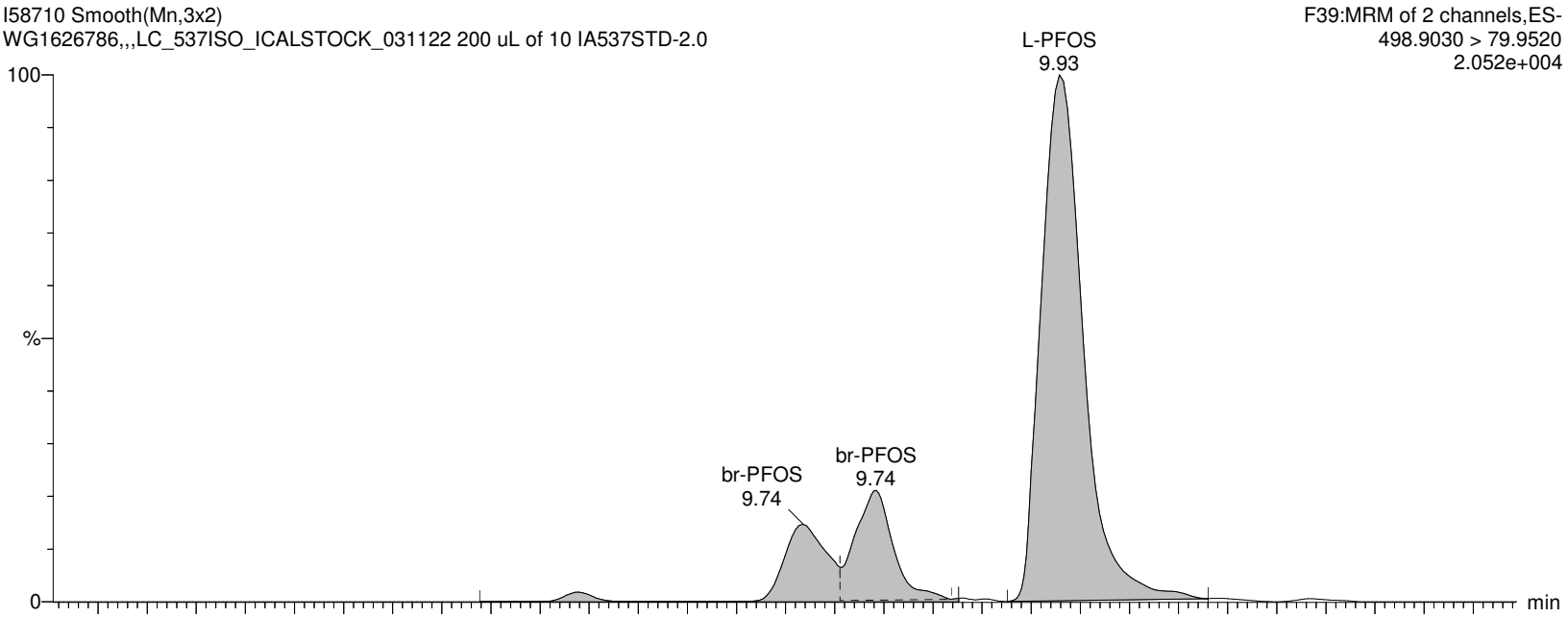


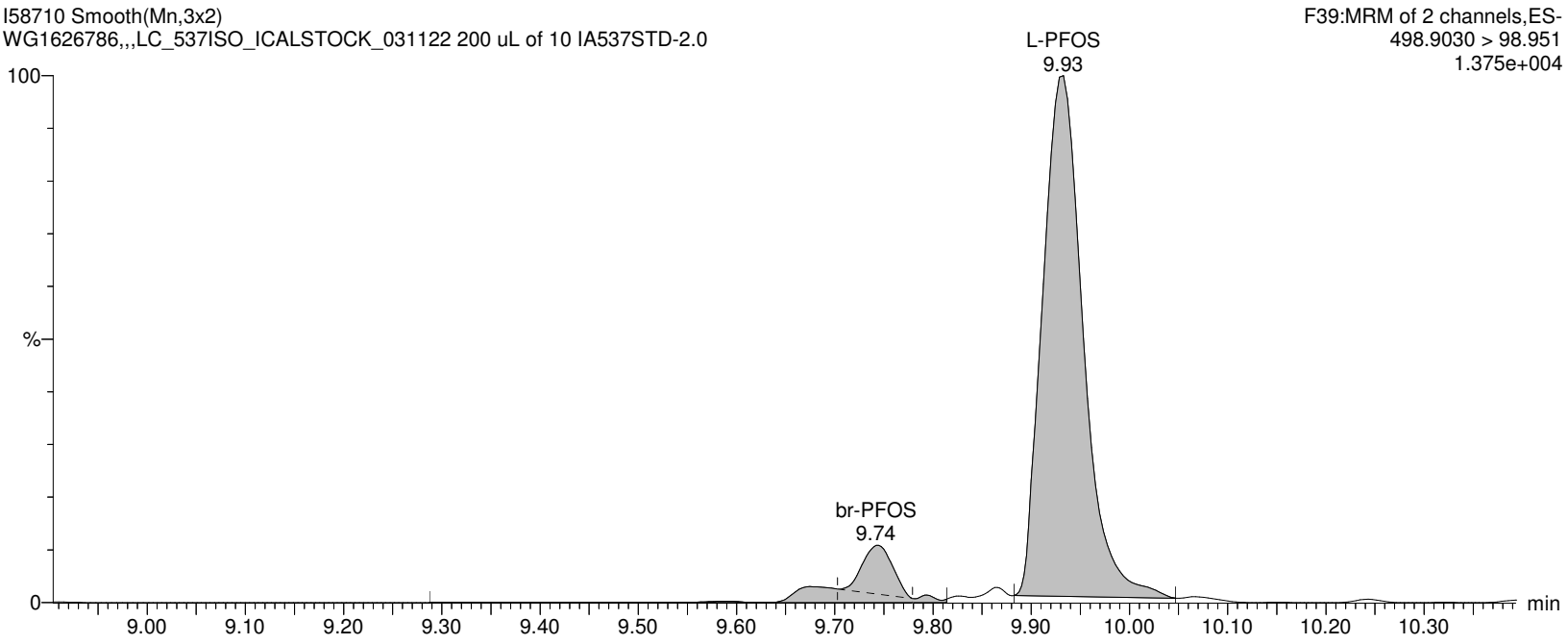
all concentration units in (ng/mL)

Alpha Analytical Inc.
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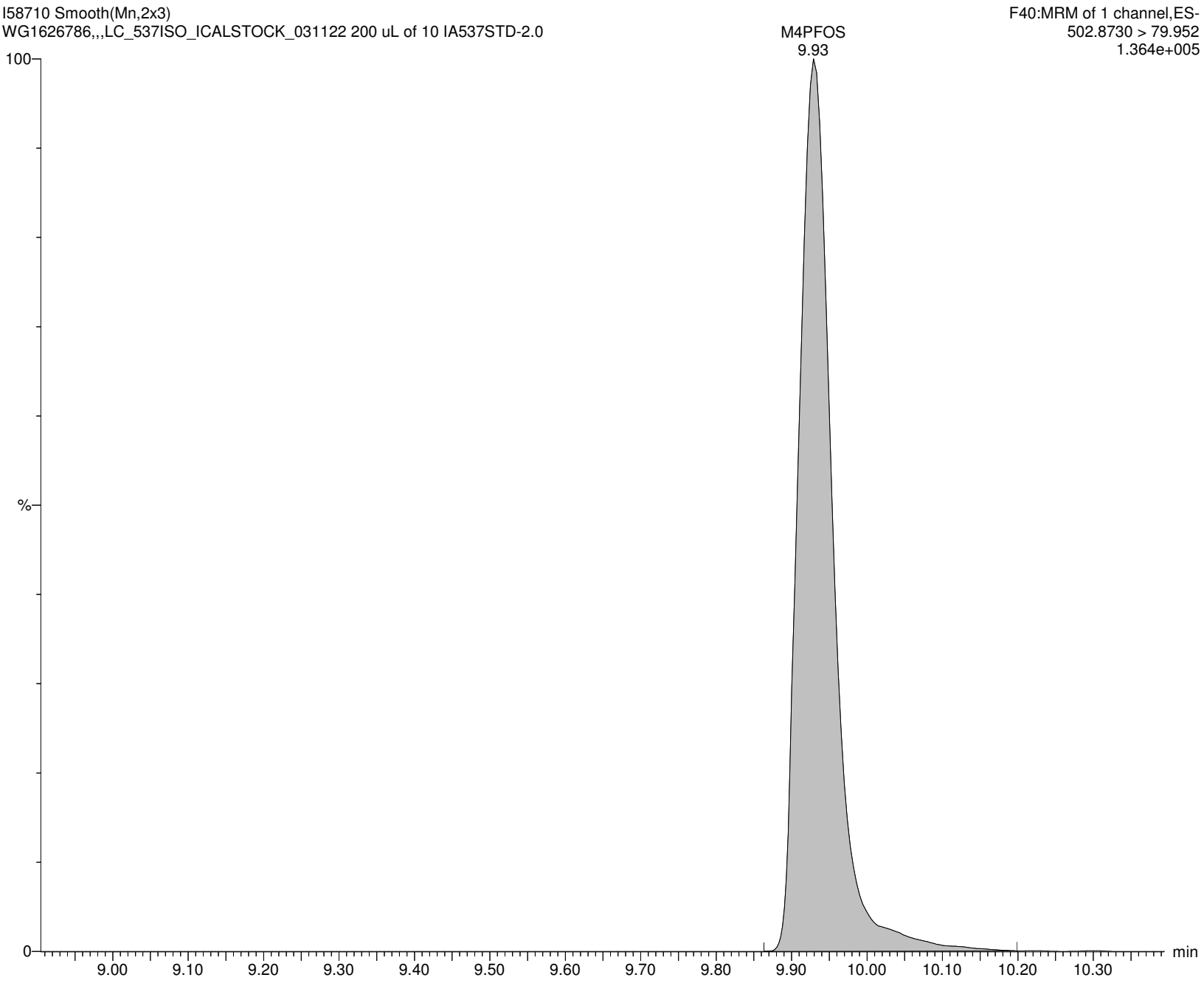


all concentration units in (ng/mL)

Alpha Analytical Inc.
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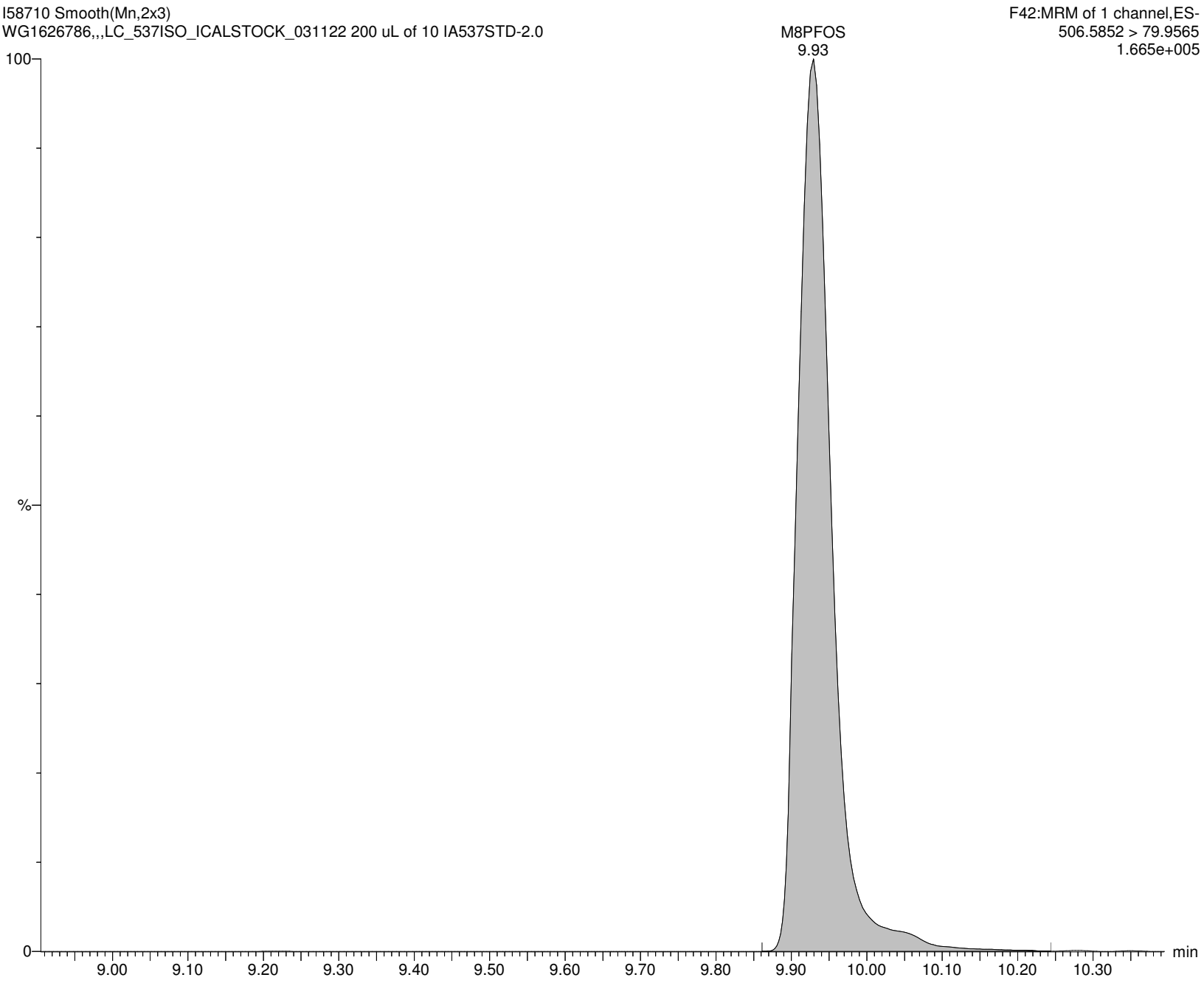


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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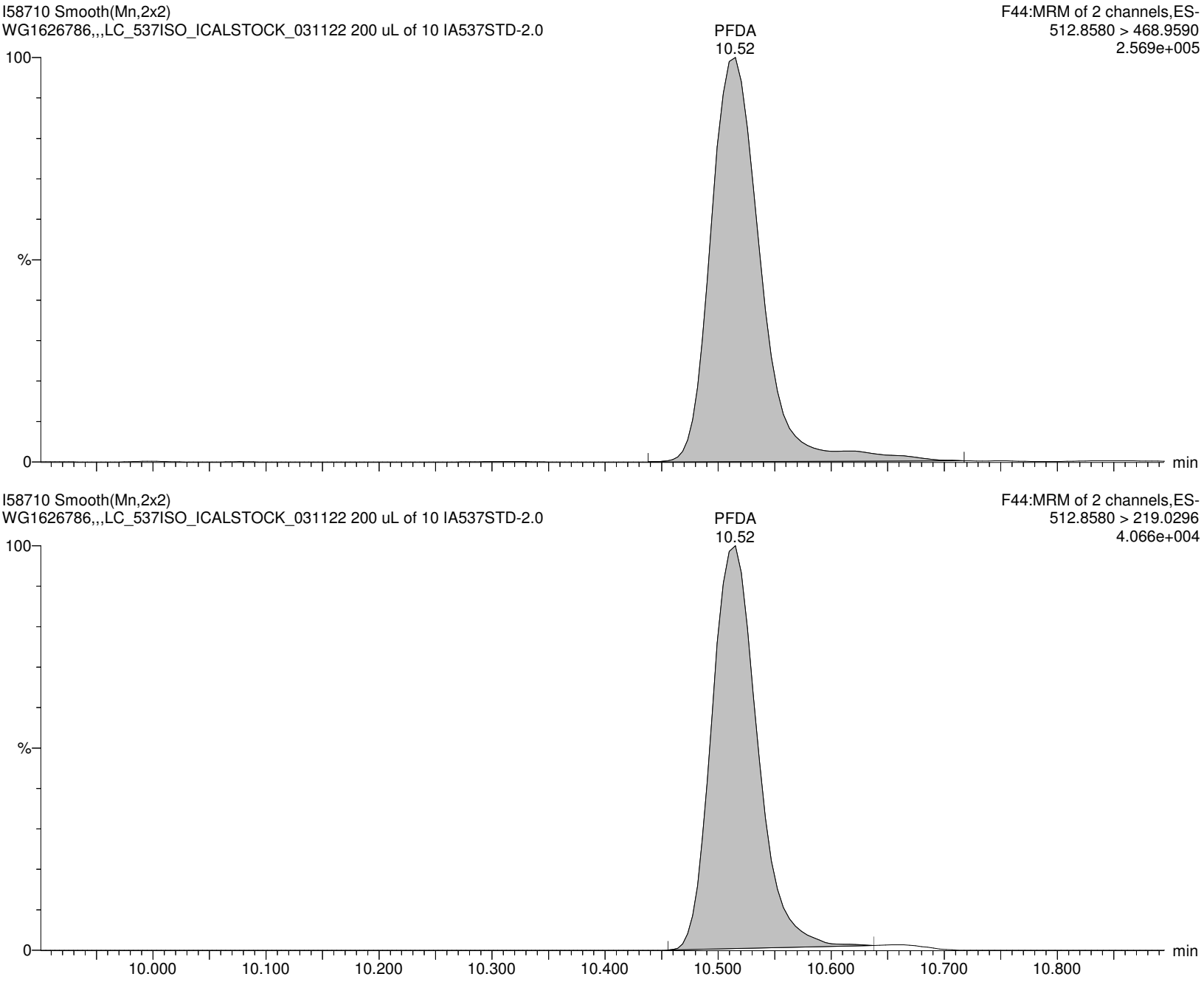


all concentration units in (ng/mL)

Alpha Analytical Inc.
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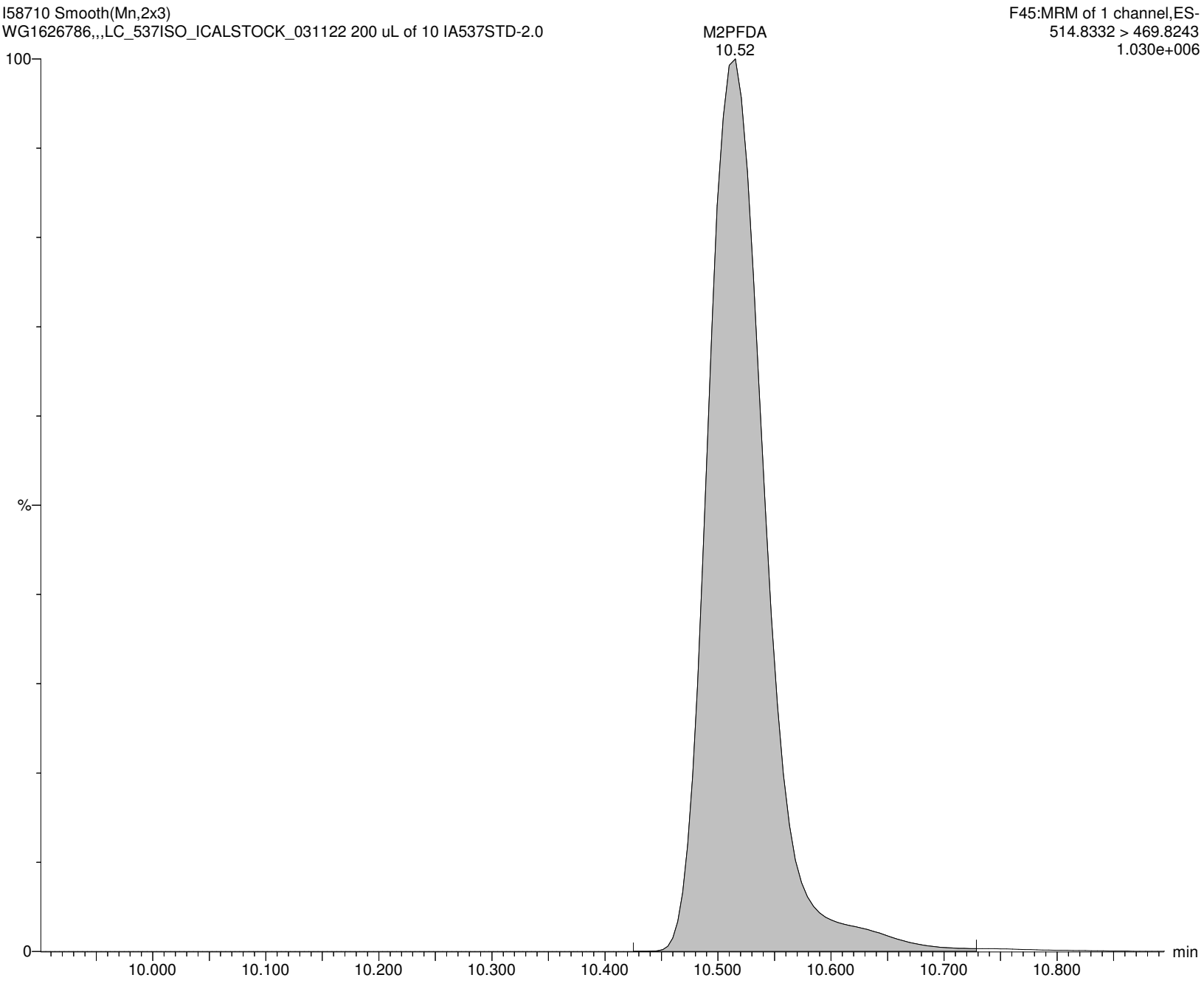


all concentration units in (ng/mL)

Alpha Analytical Inc.
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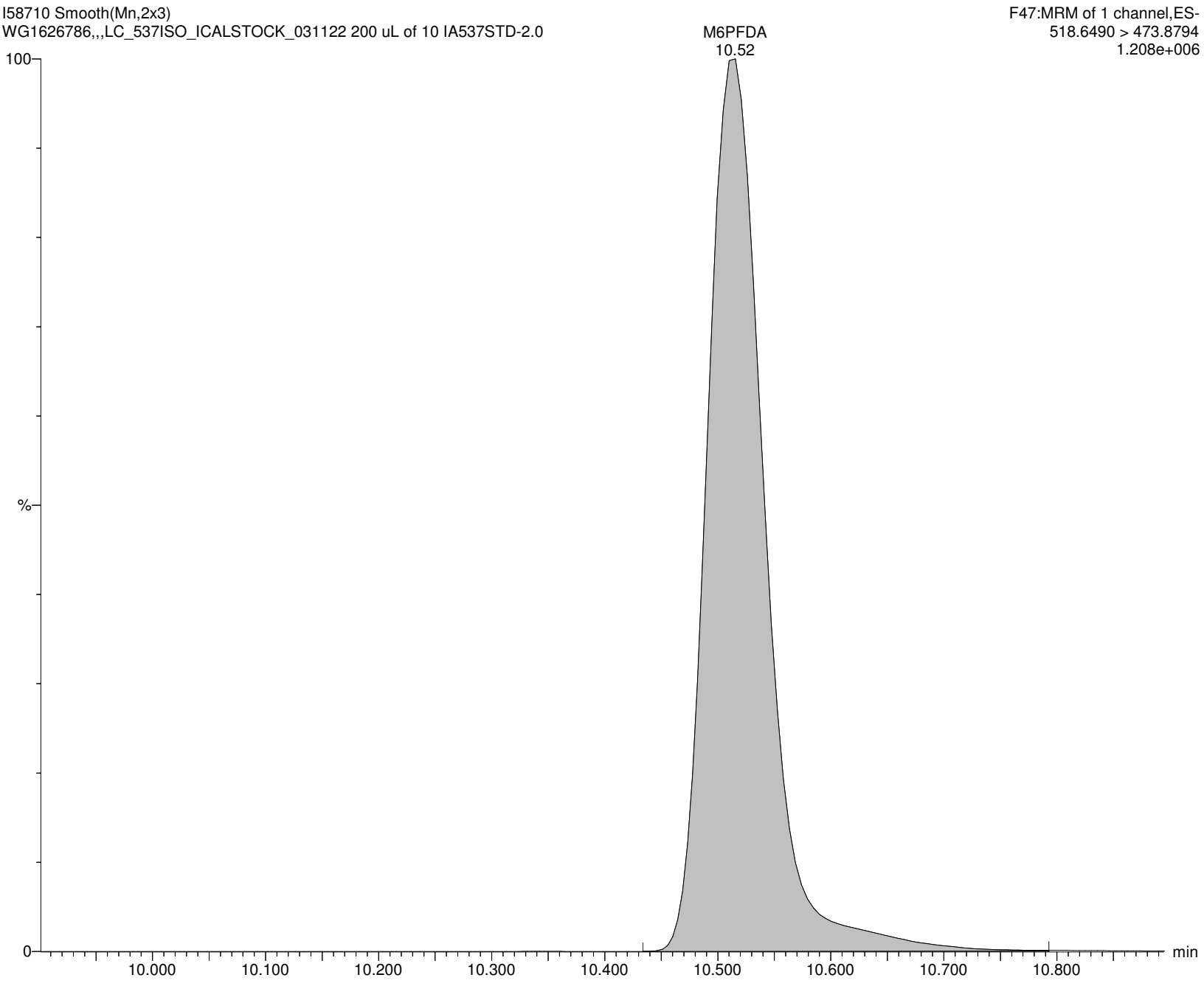


all concentration units in (ng/mL)

Alpha Analytical Inc.
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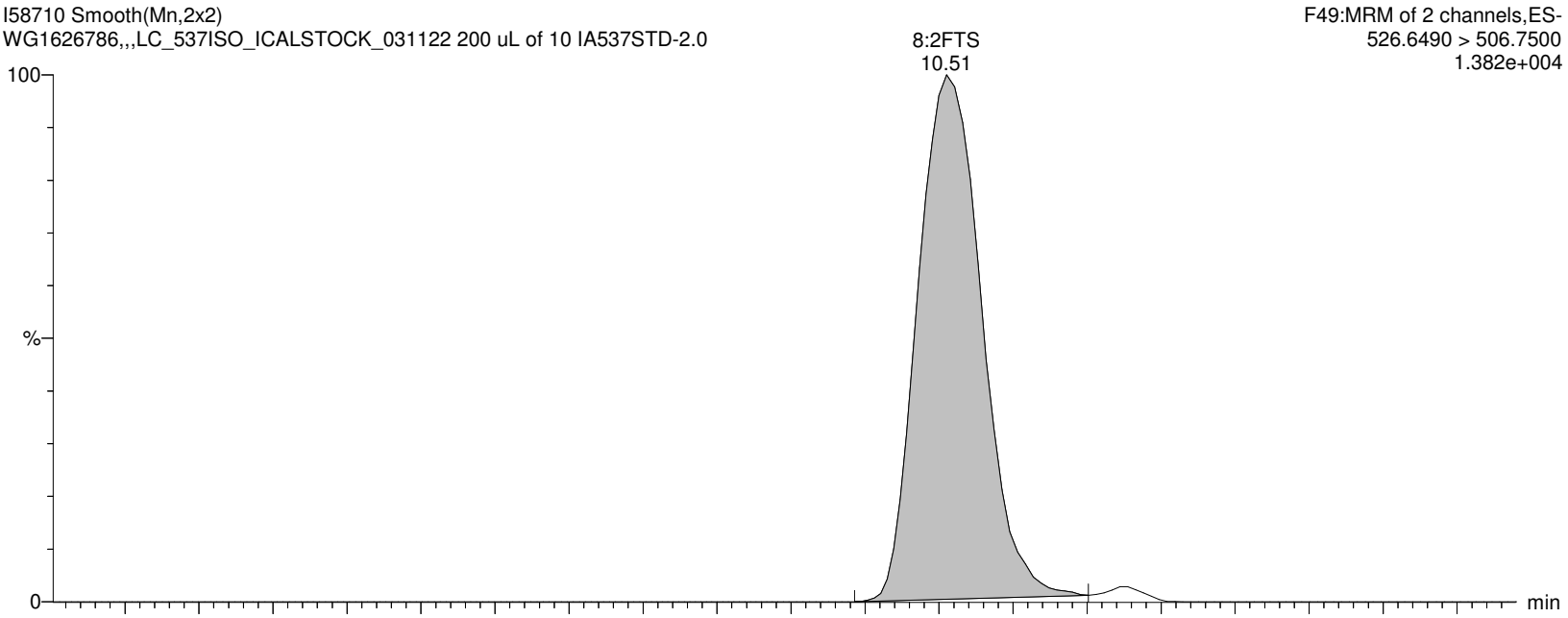


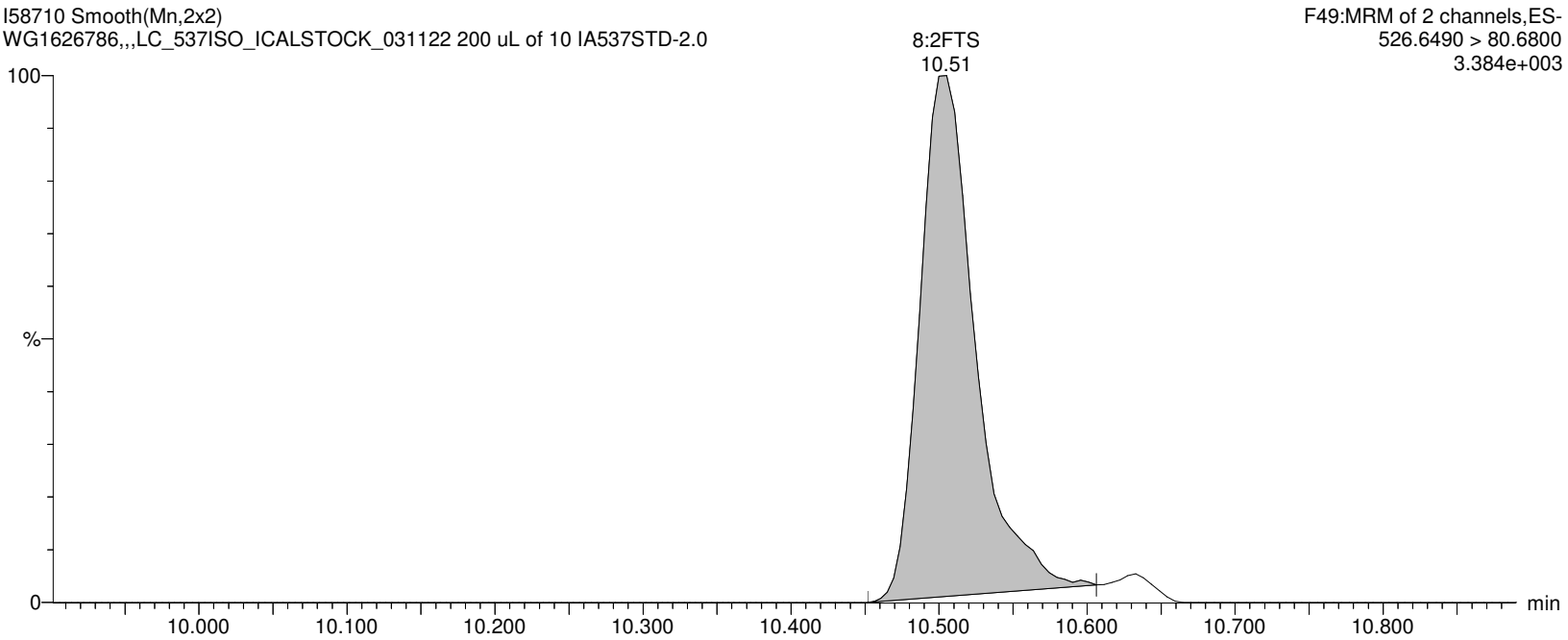
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



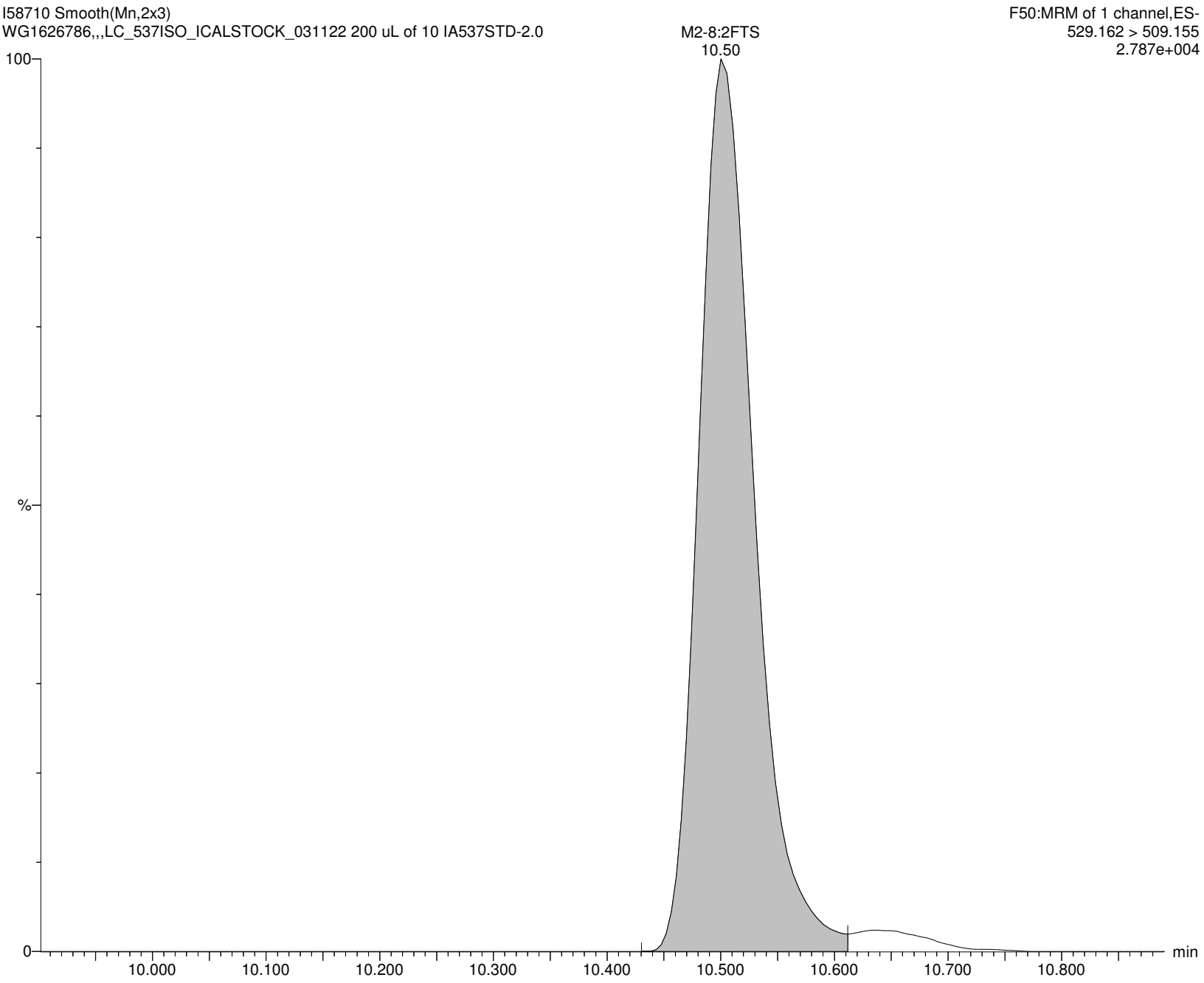


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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M2-8:2FTS

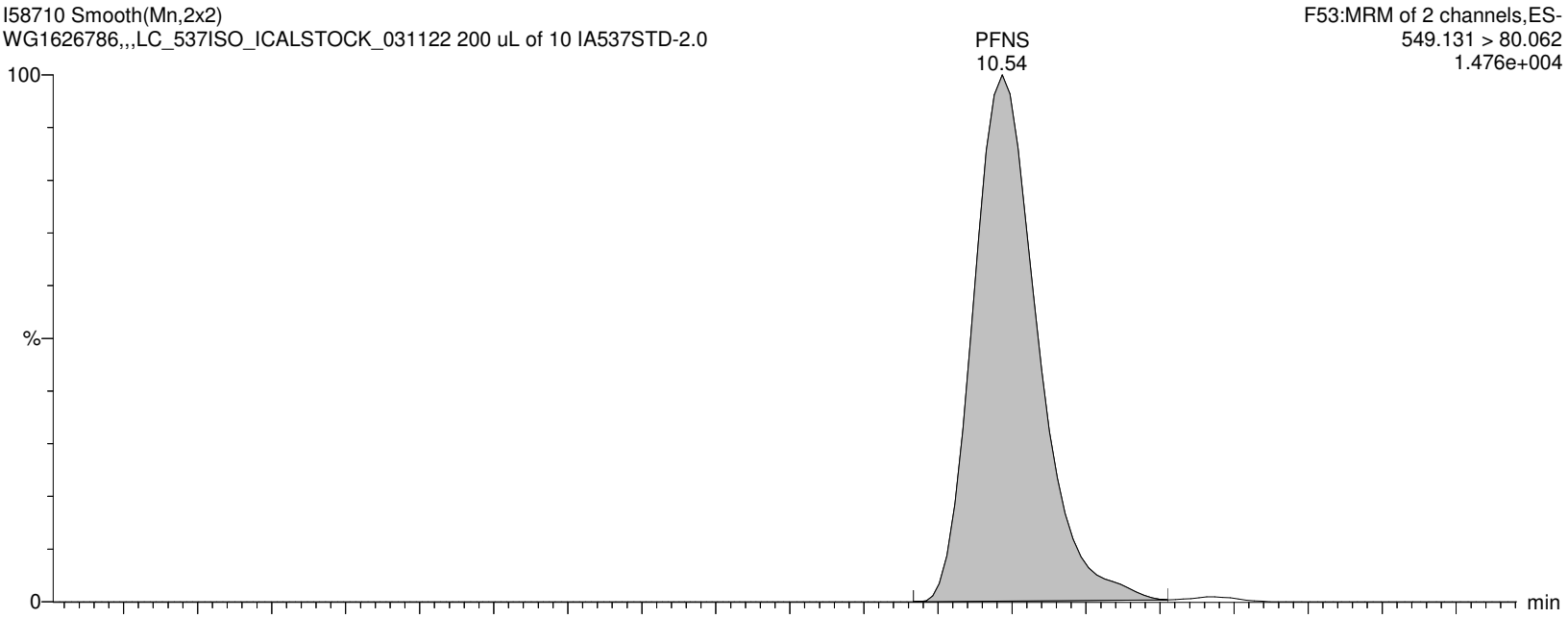


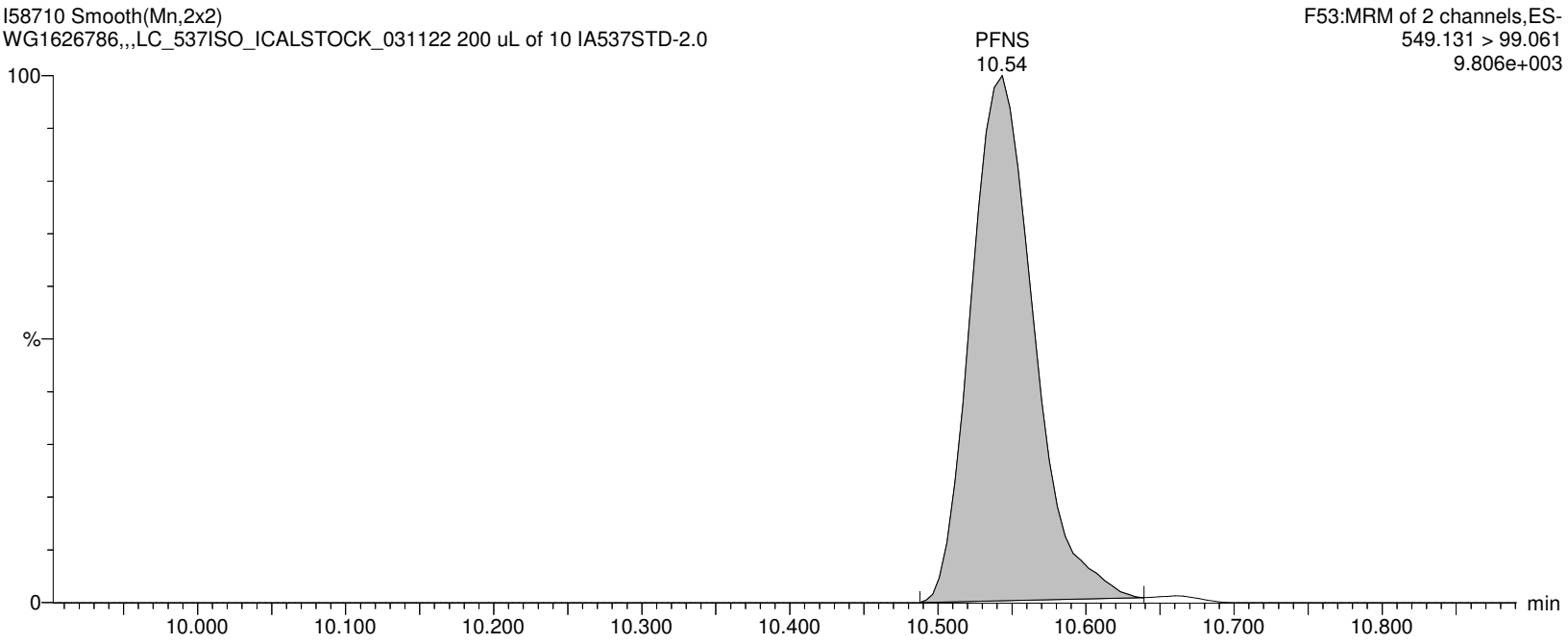
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:A,4
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PFNS



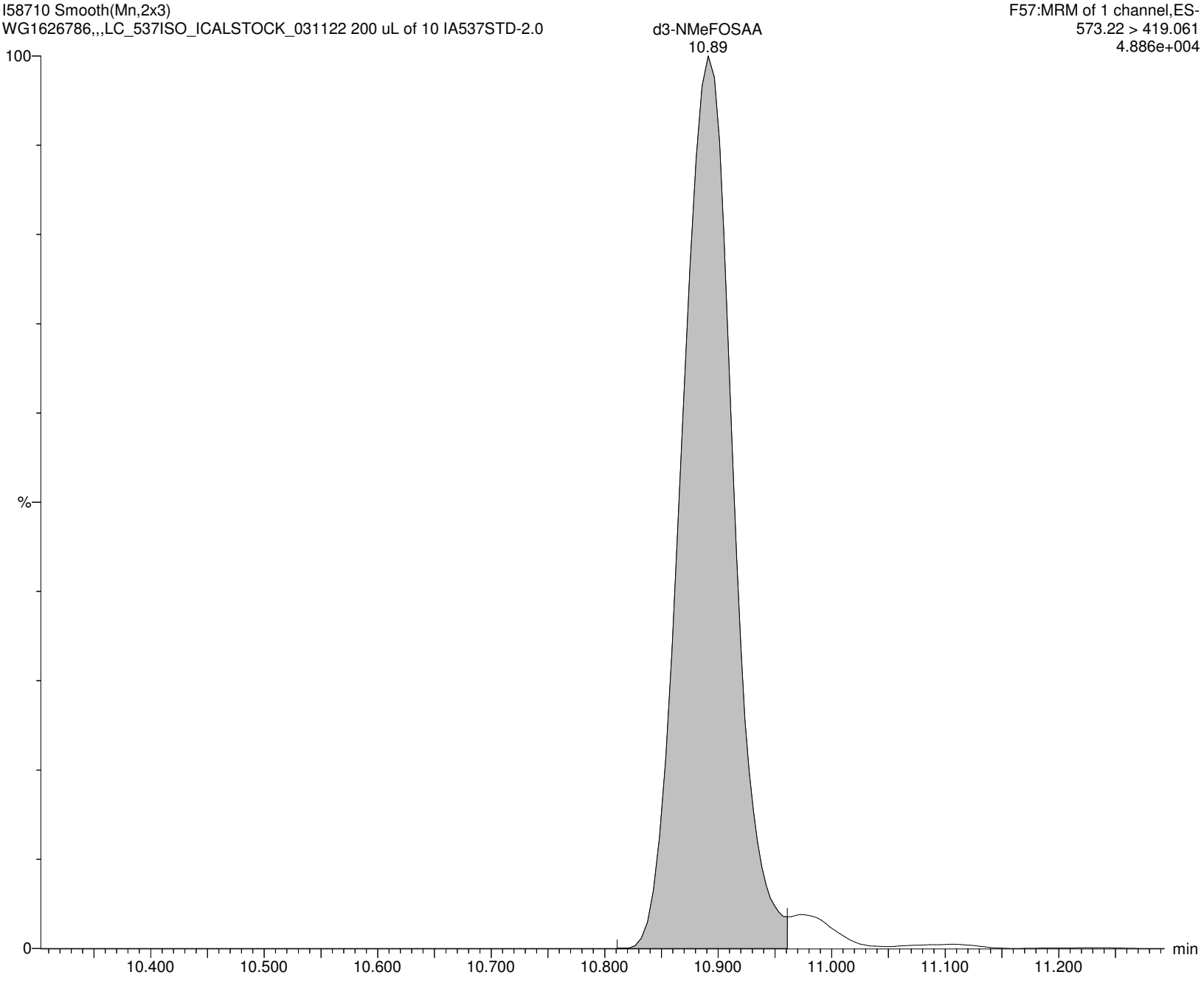


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,4
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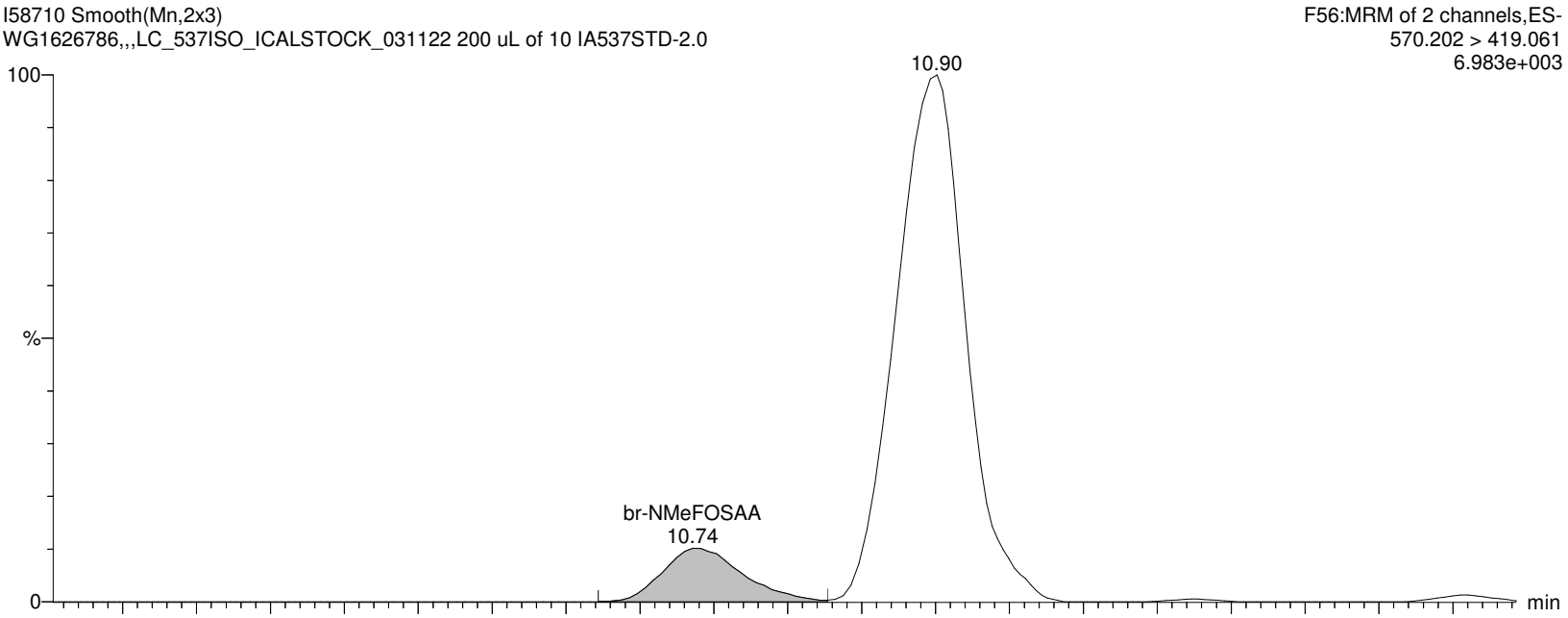


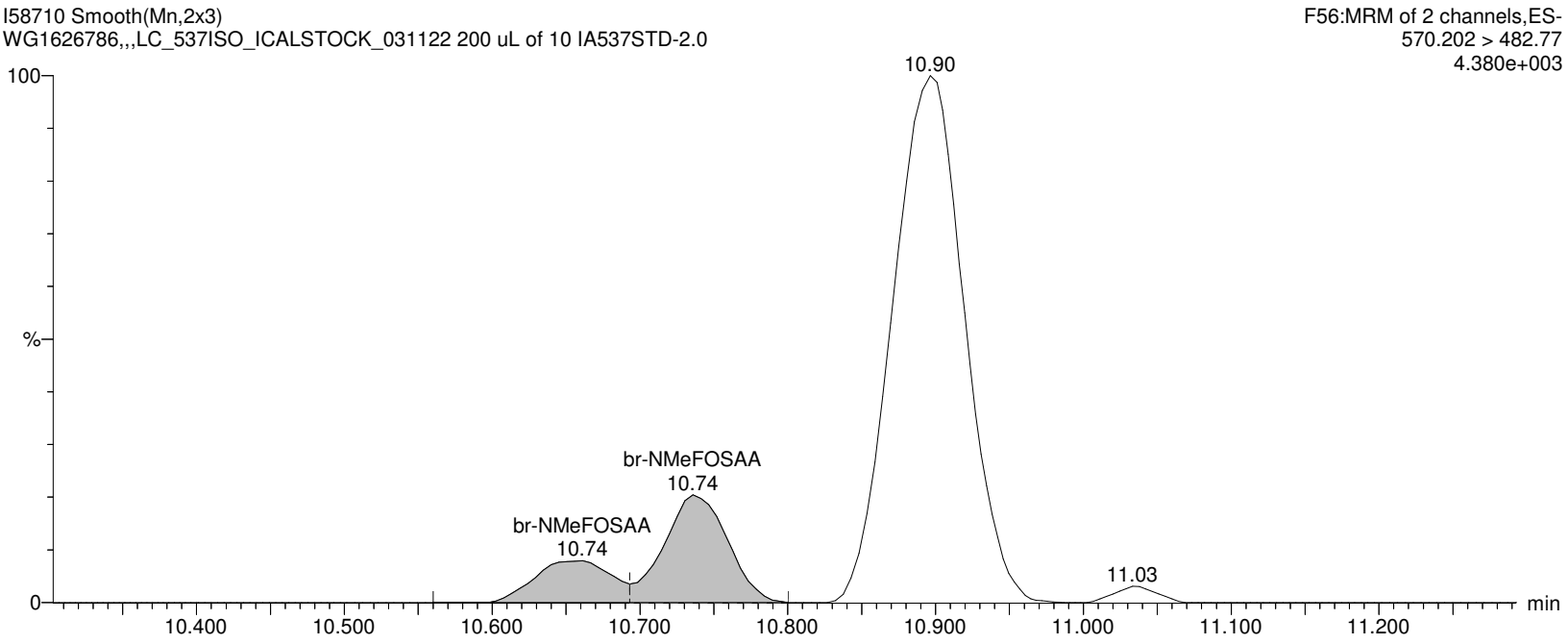
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-NMeFOSAA



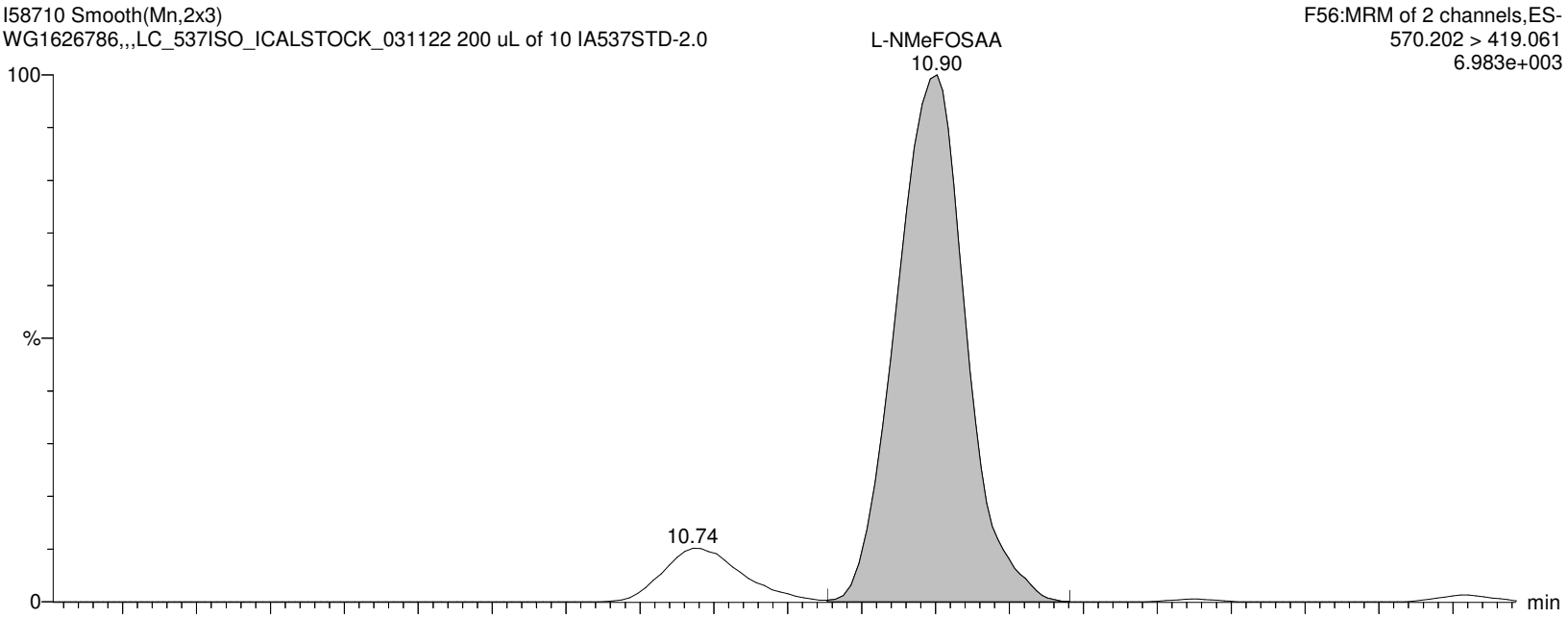


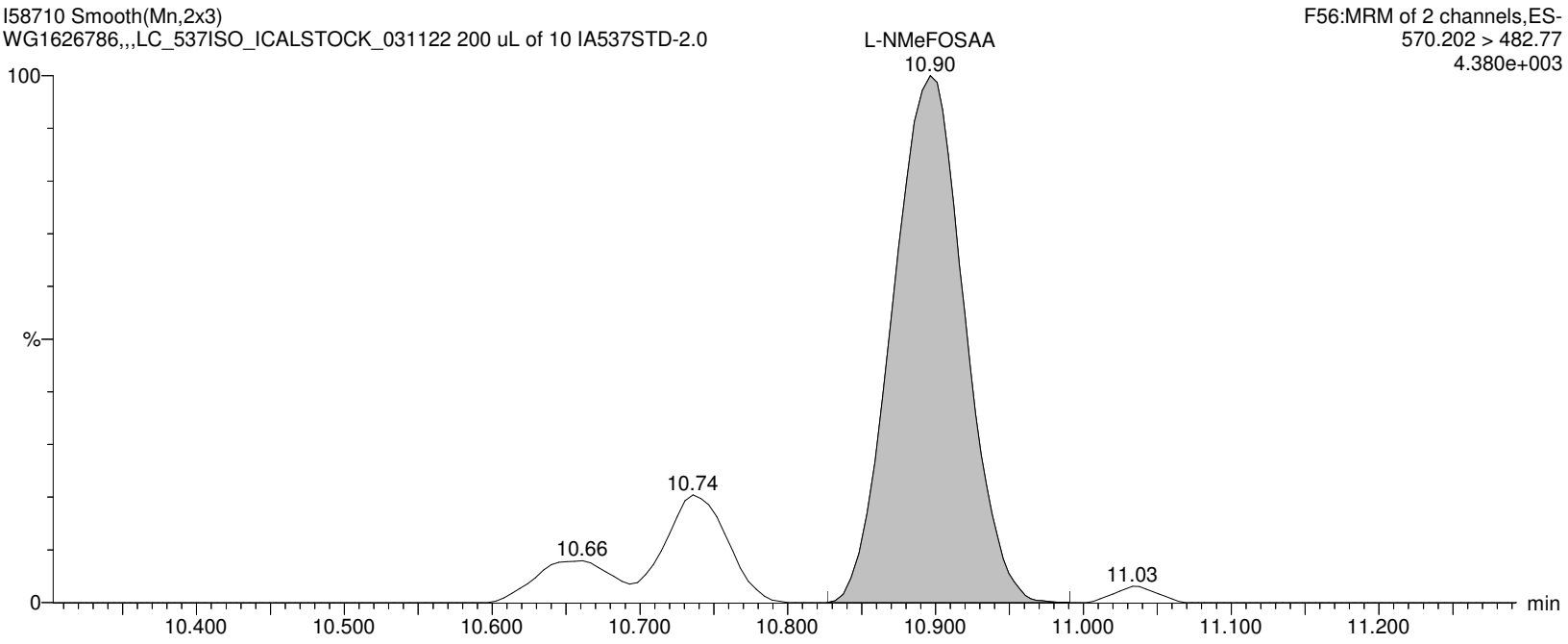
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L-NMeFOSAA



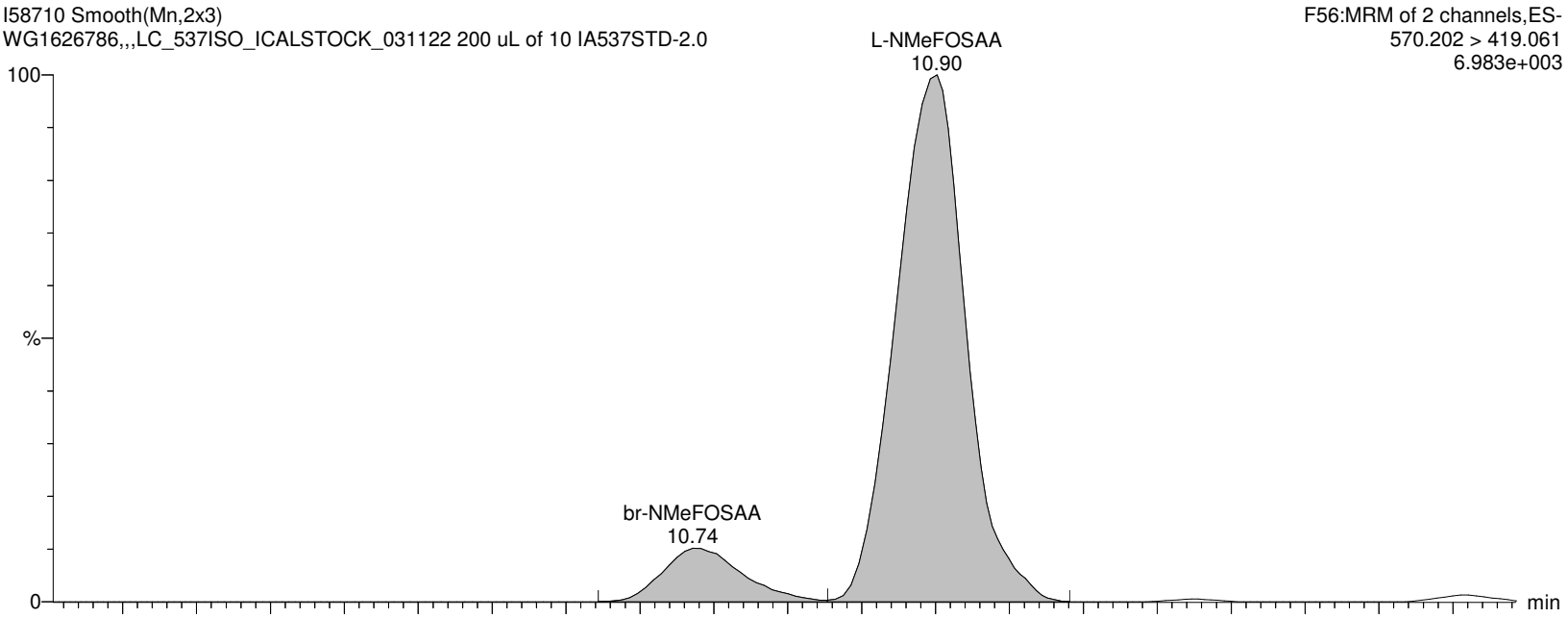


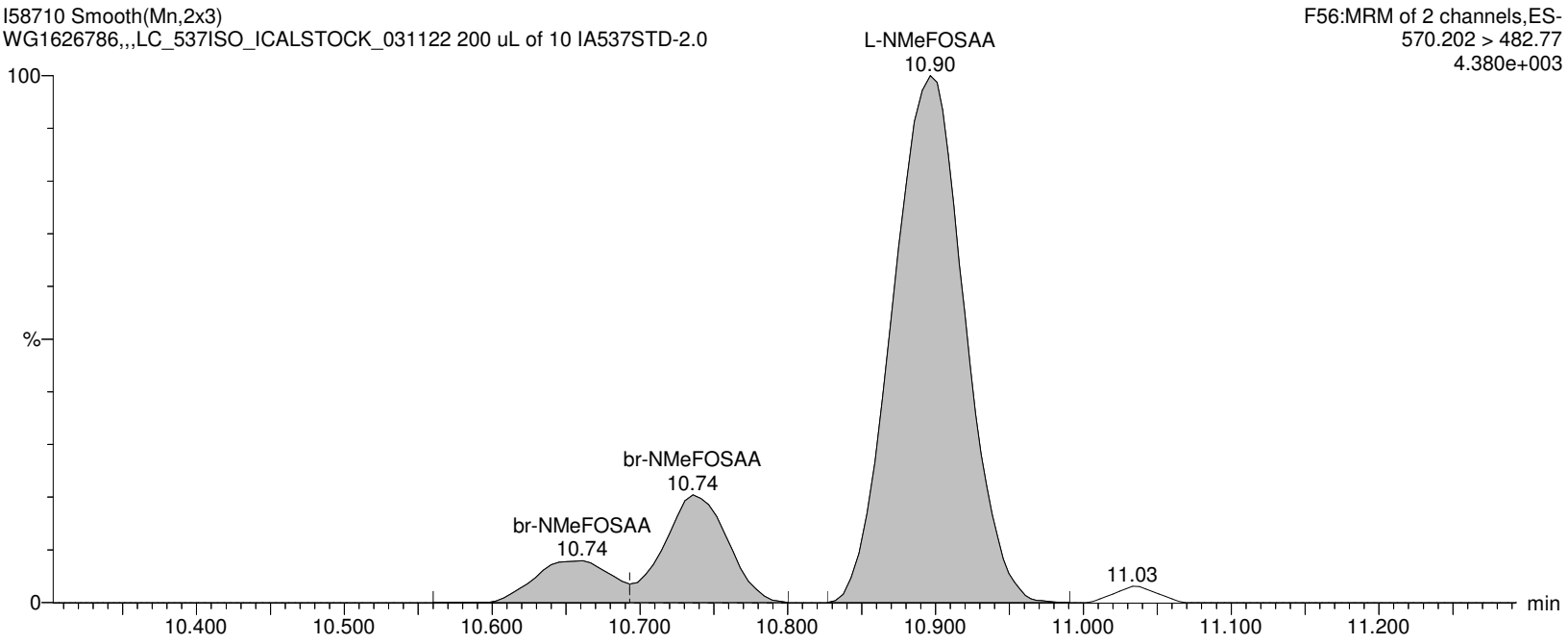
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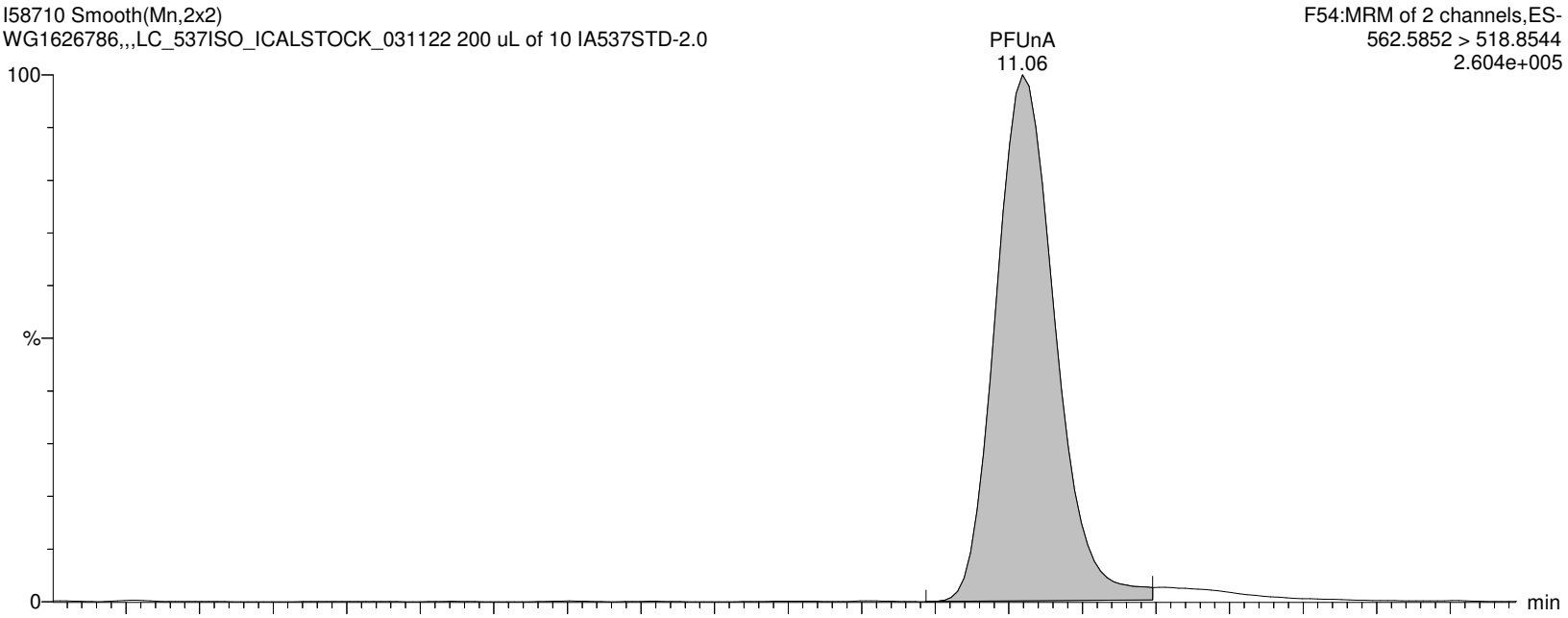


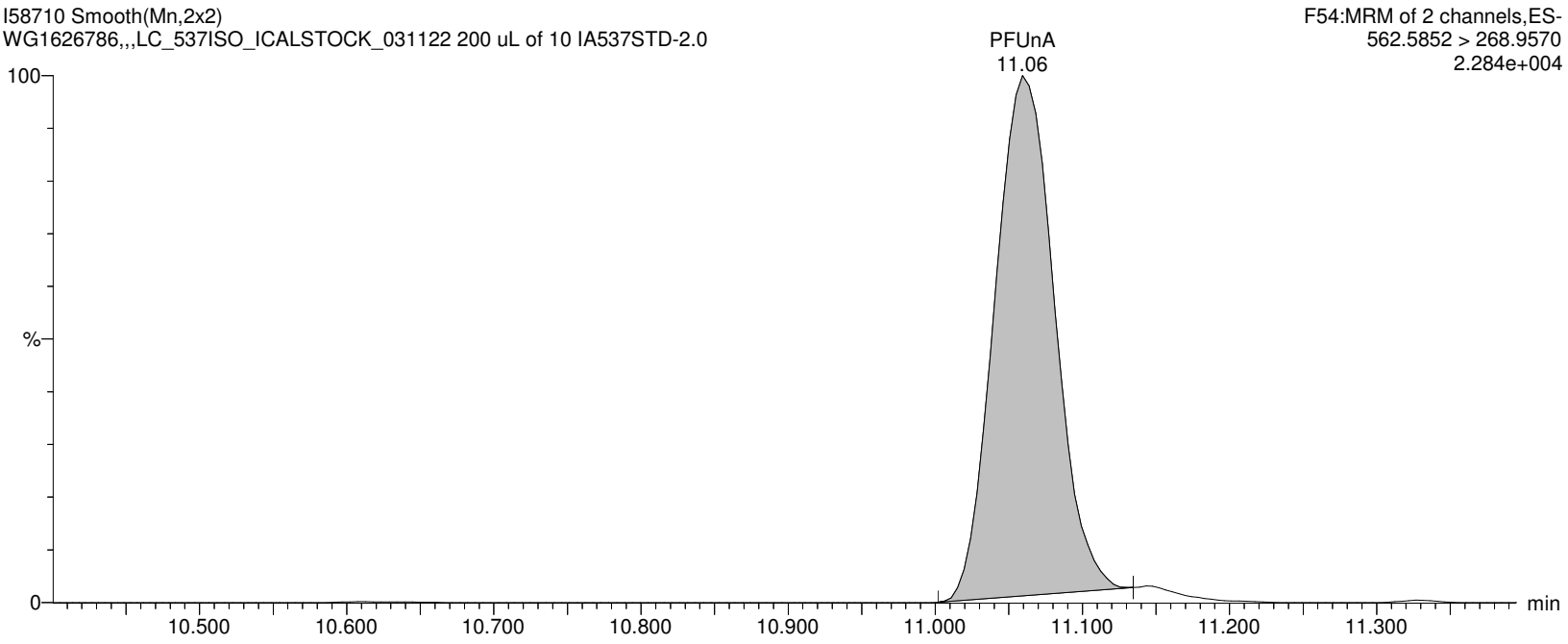
all concentration units in (ng/mL)

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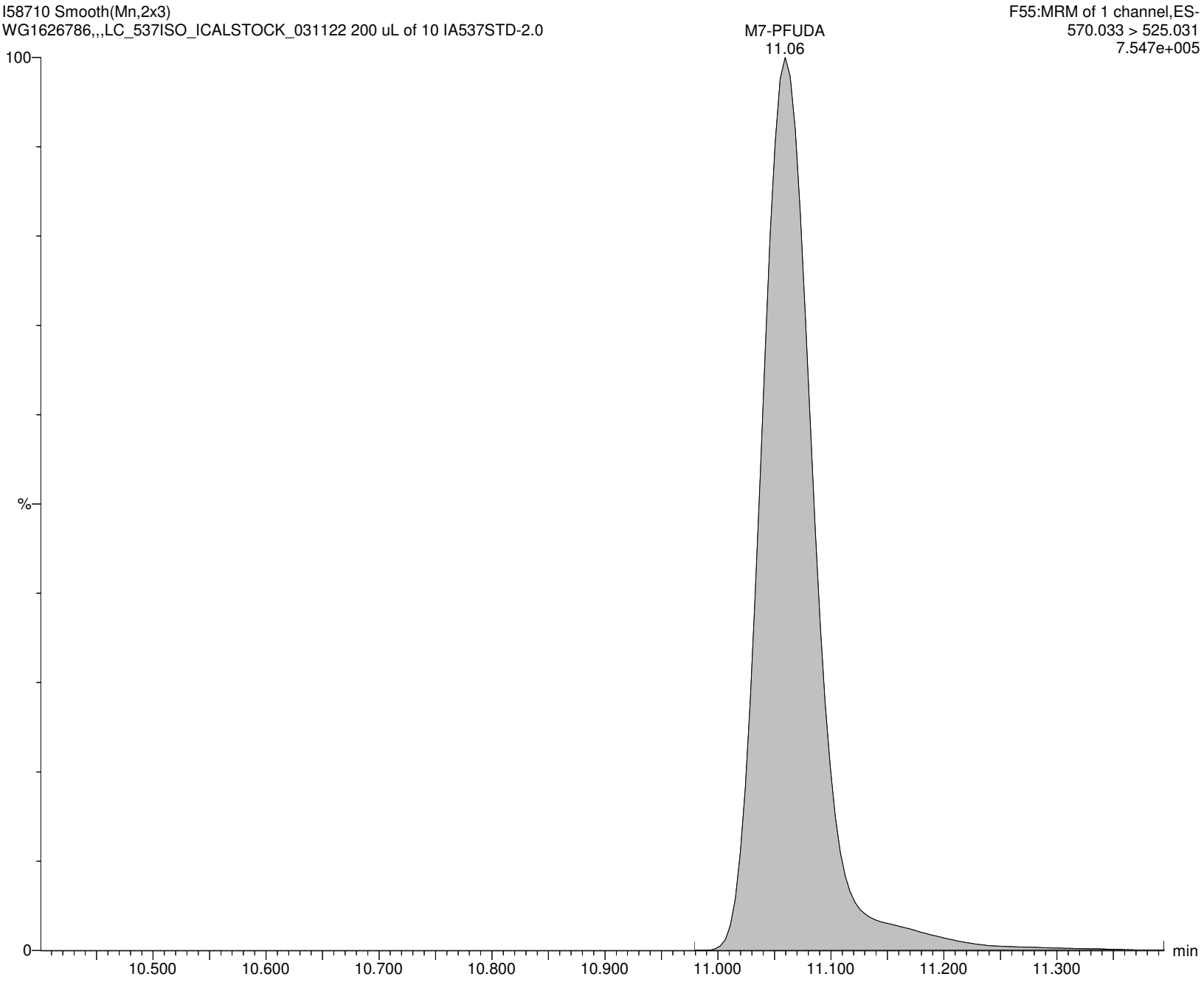


all concentration units in (ng/mL)

Alpha Analytical Inc.
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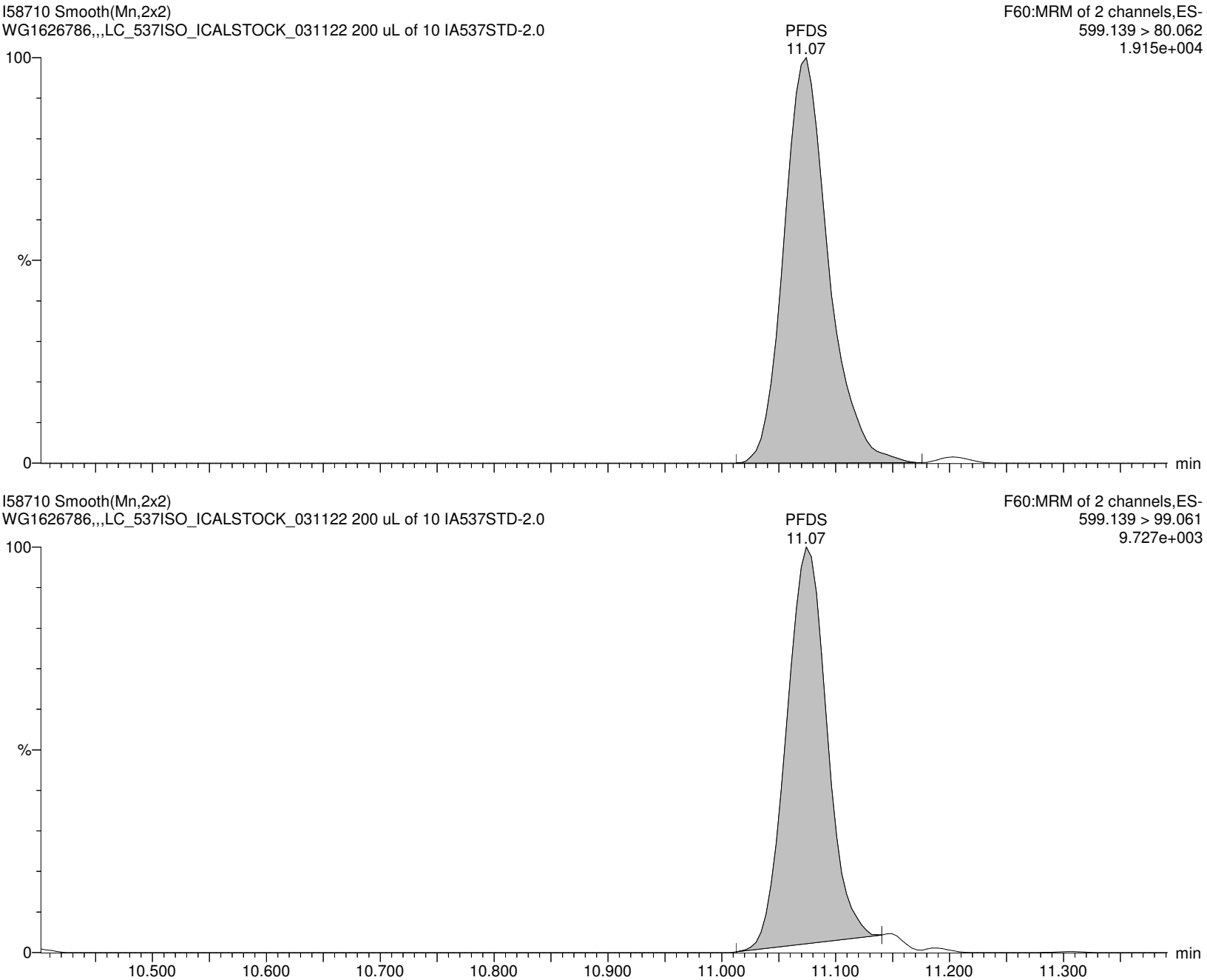


all concentration units in (ng/mL)

Alpha Analytical Inc.
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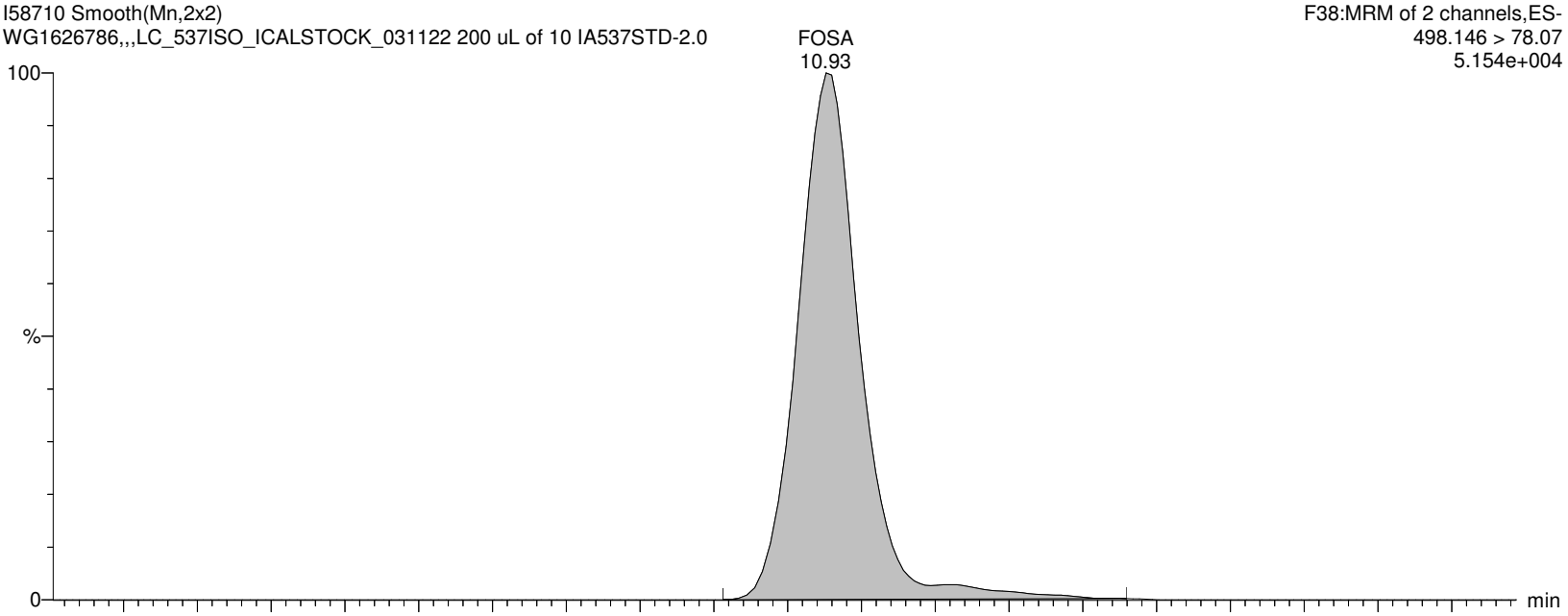


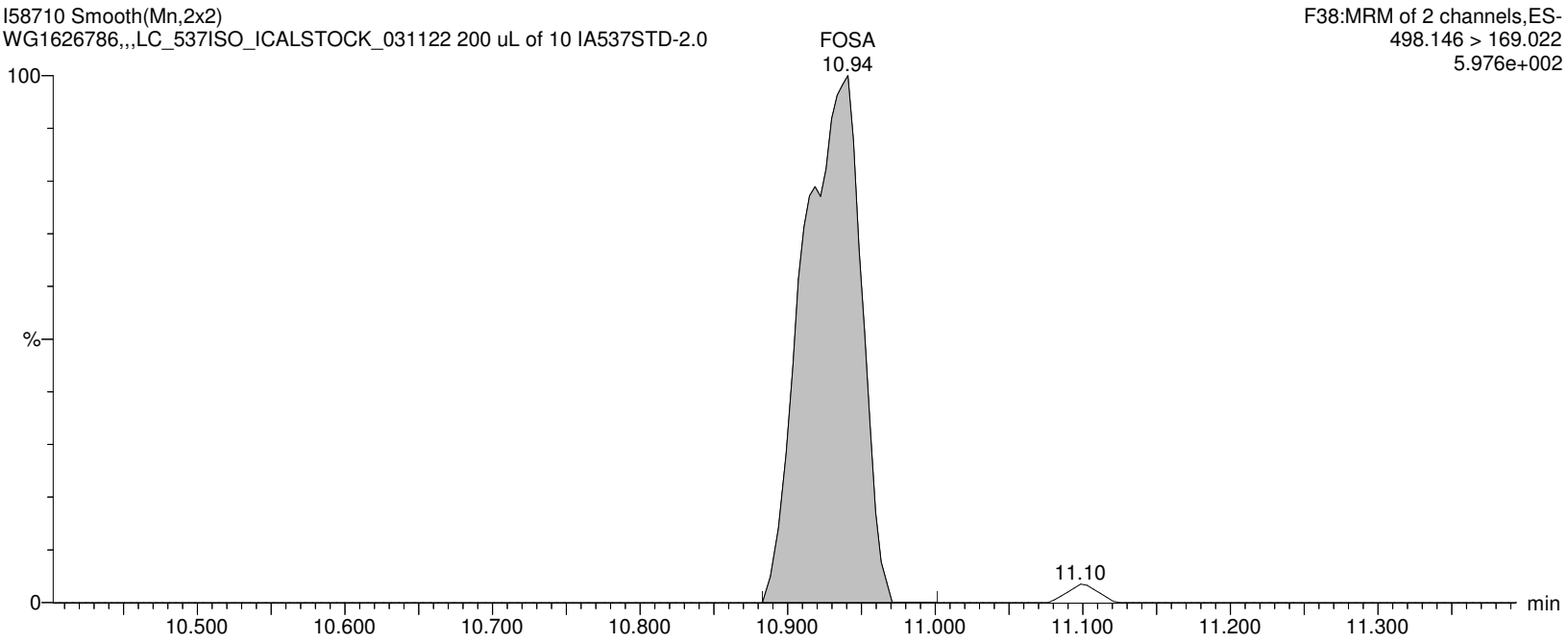
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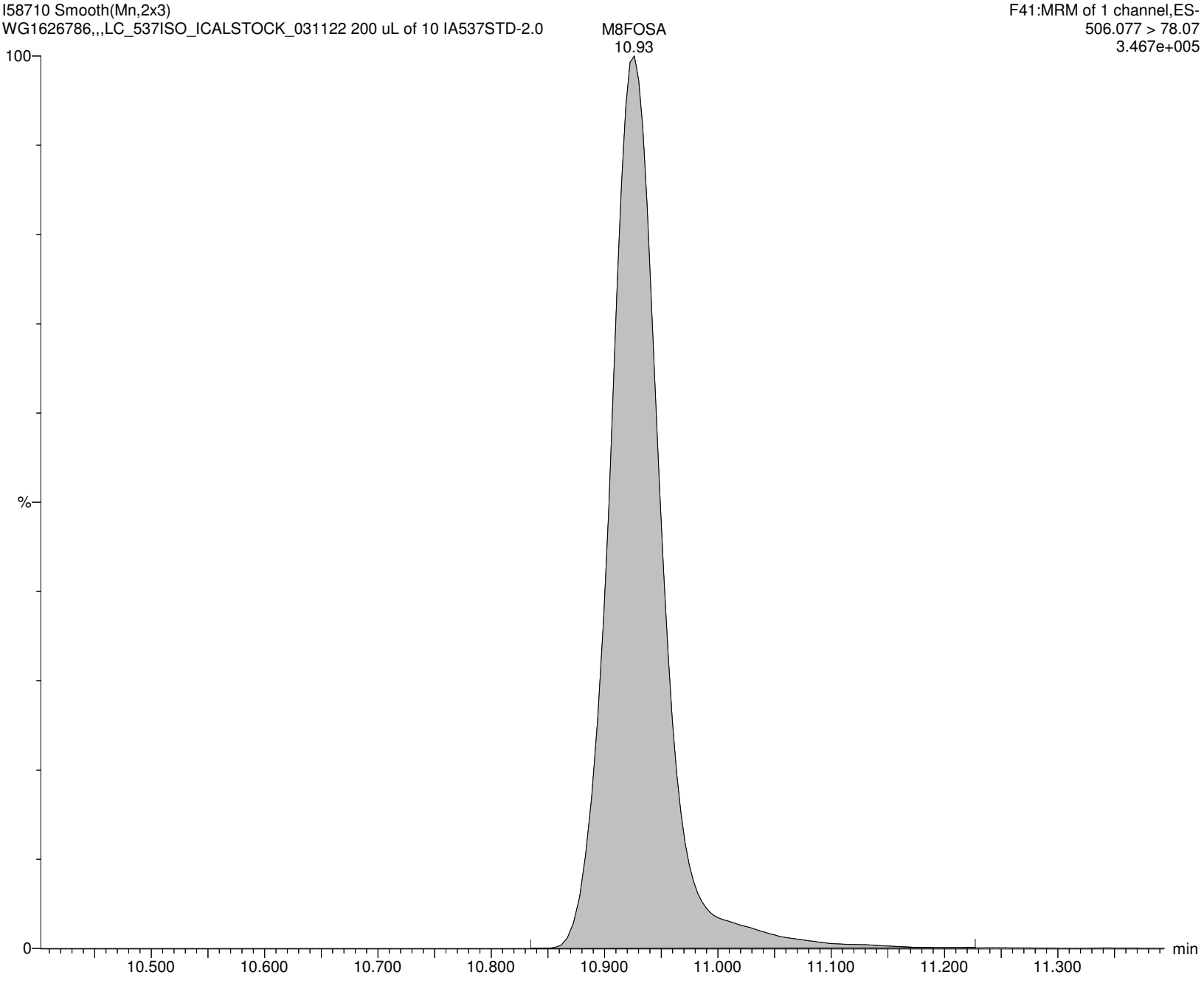


all concentration units in (ng/mL)

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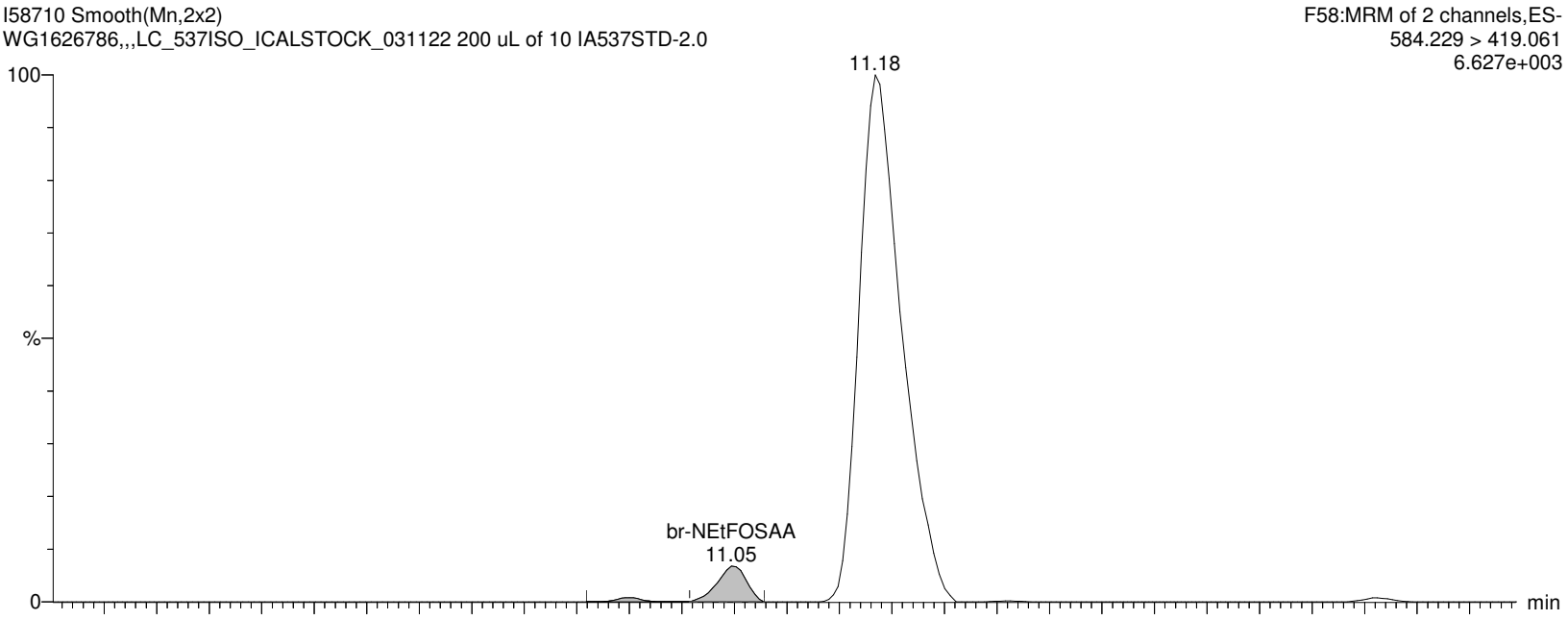


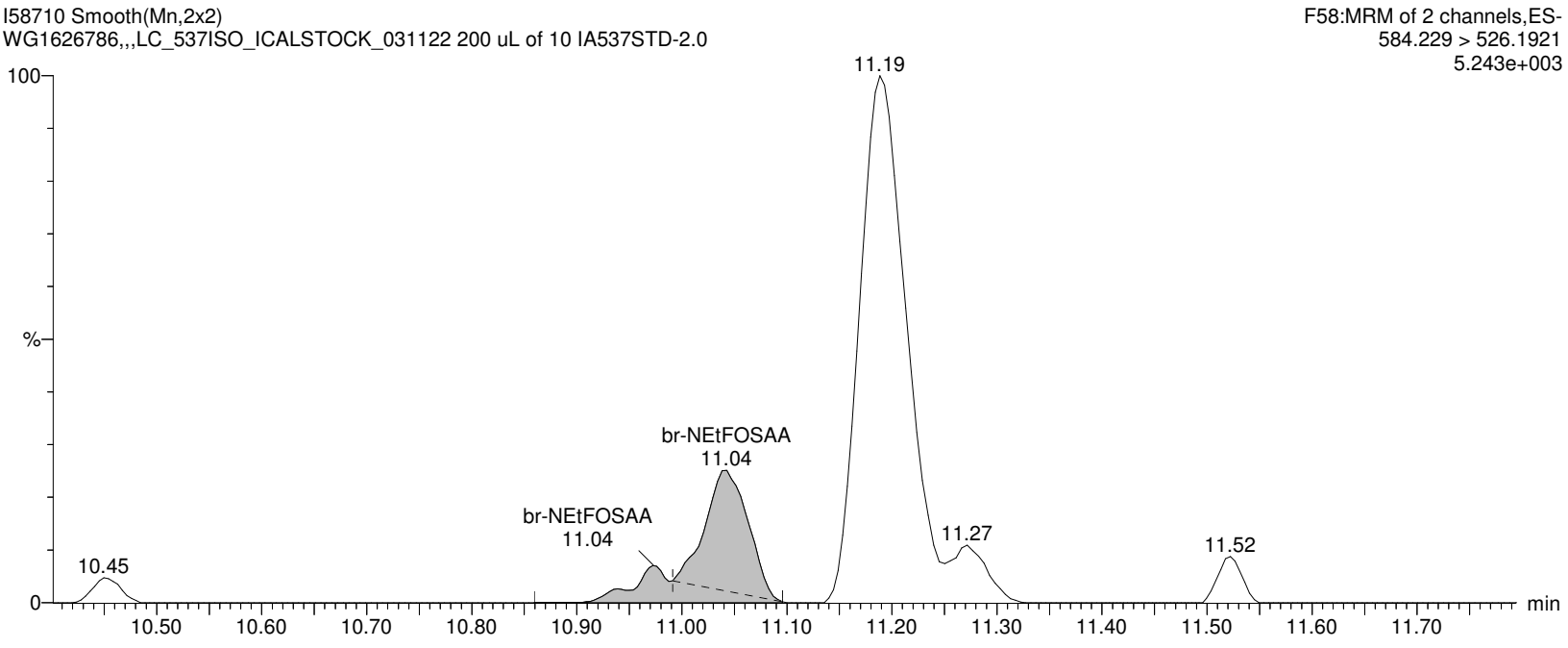
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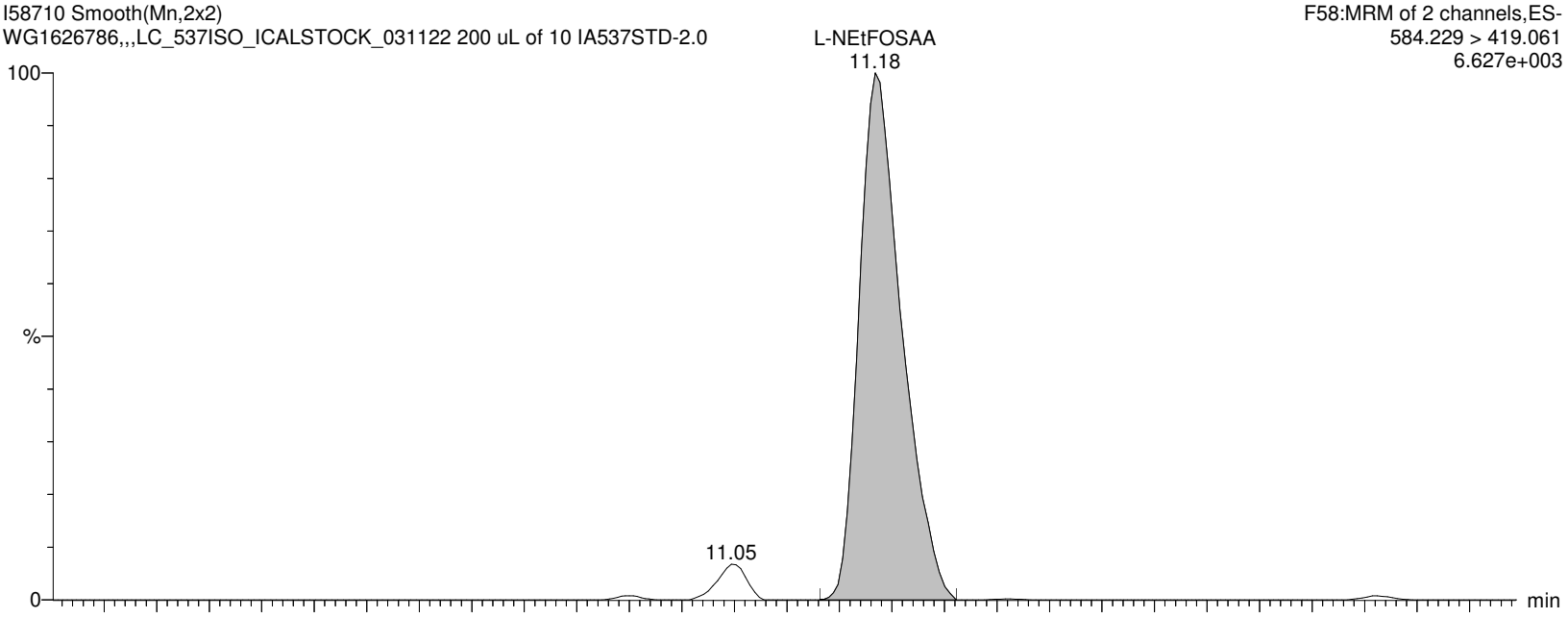


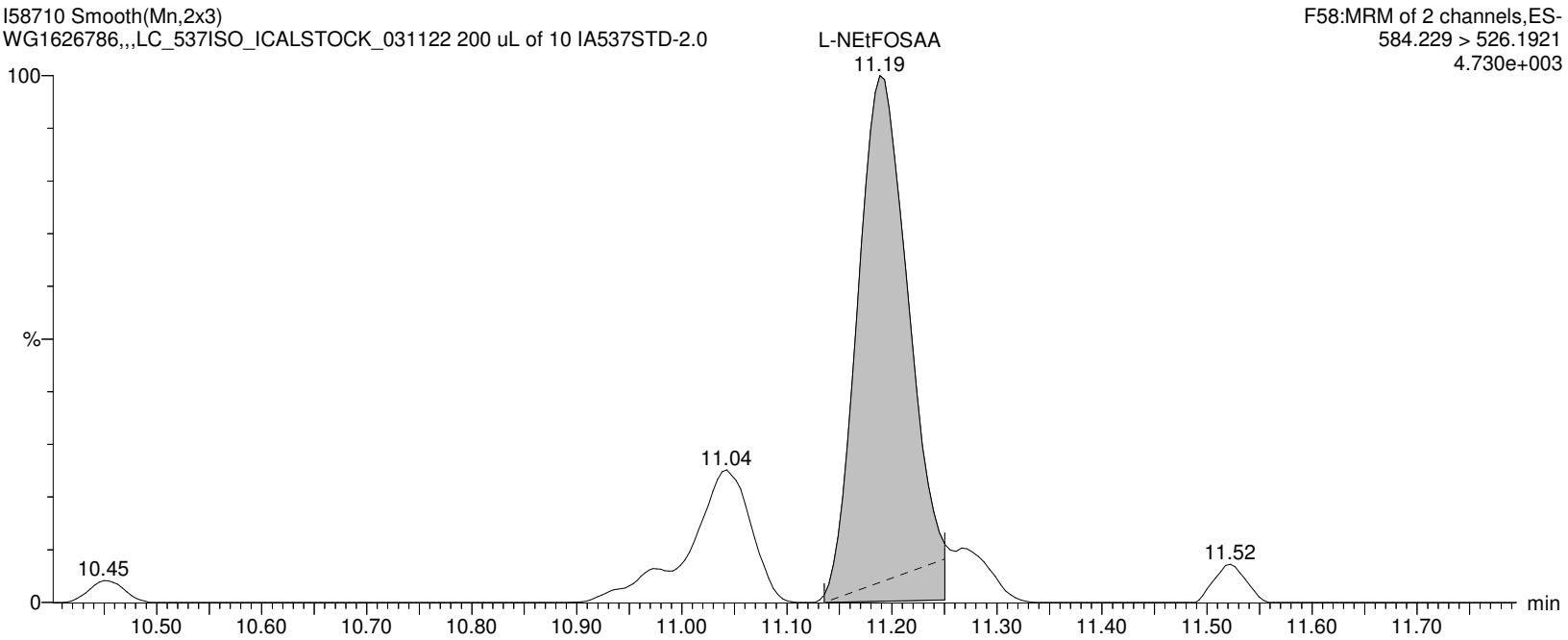
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L-NEtFOSAA



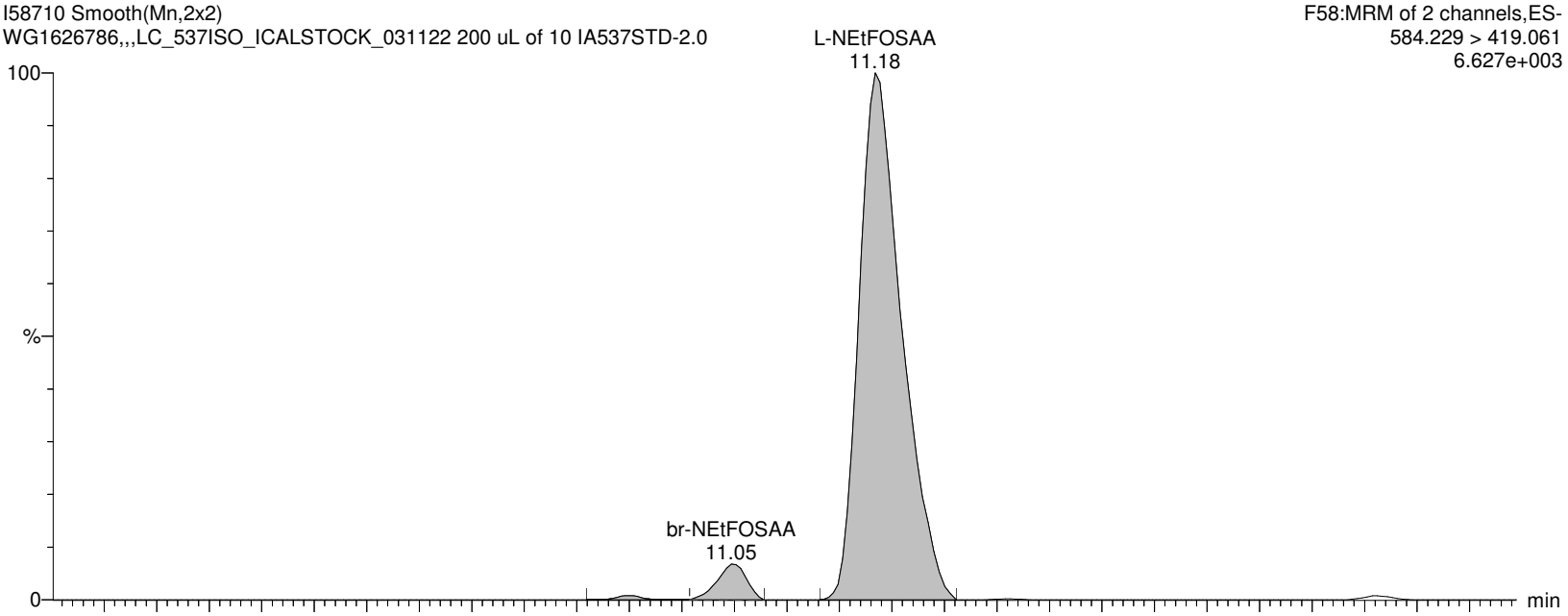


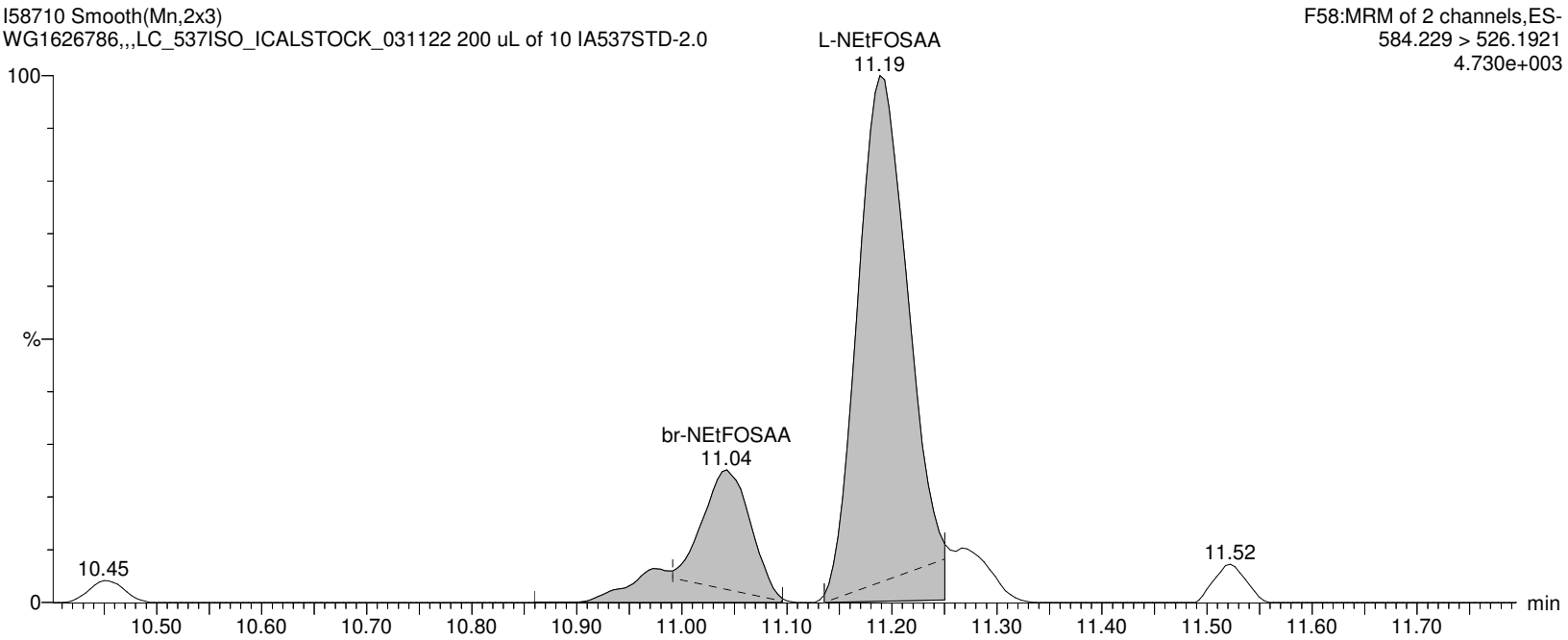
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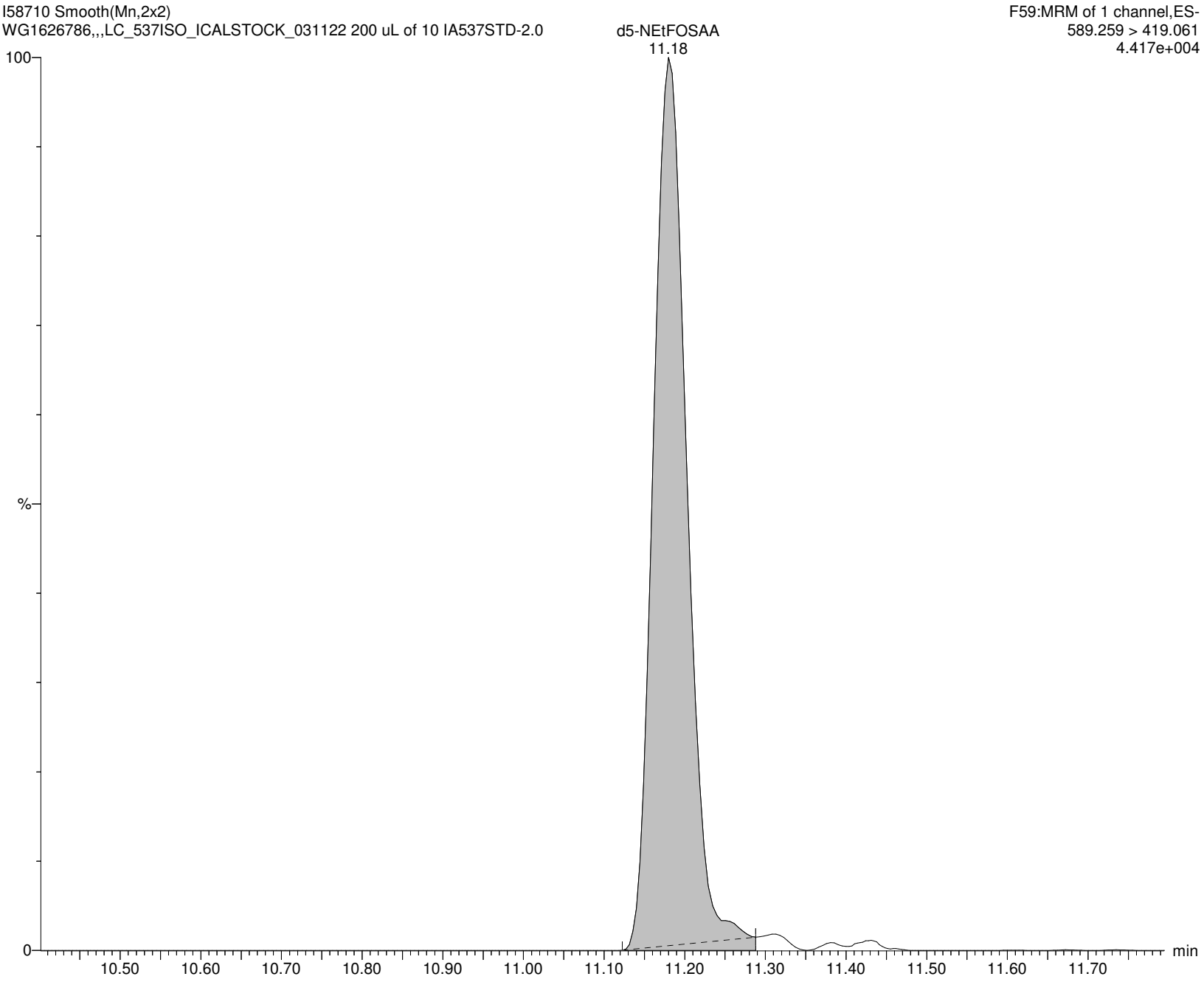


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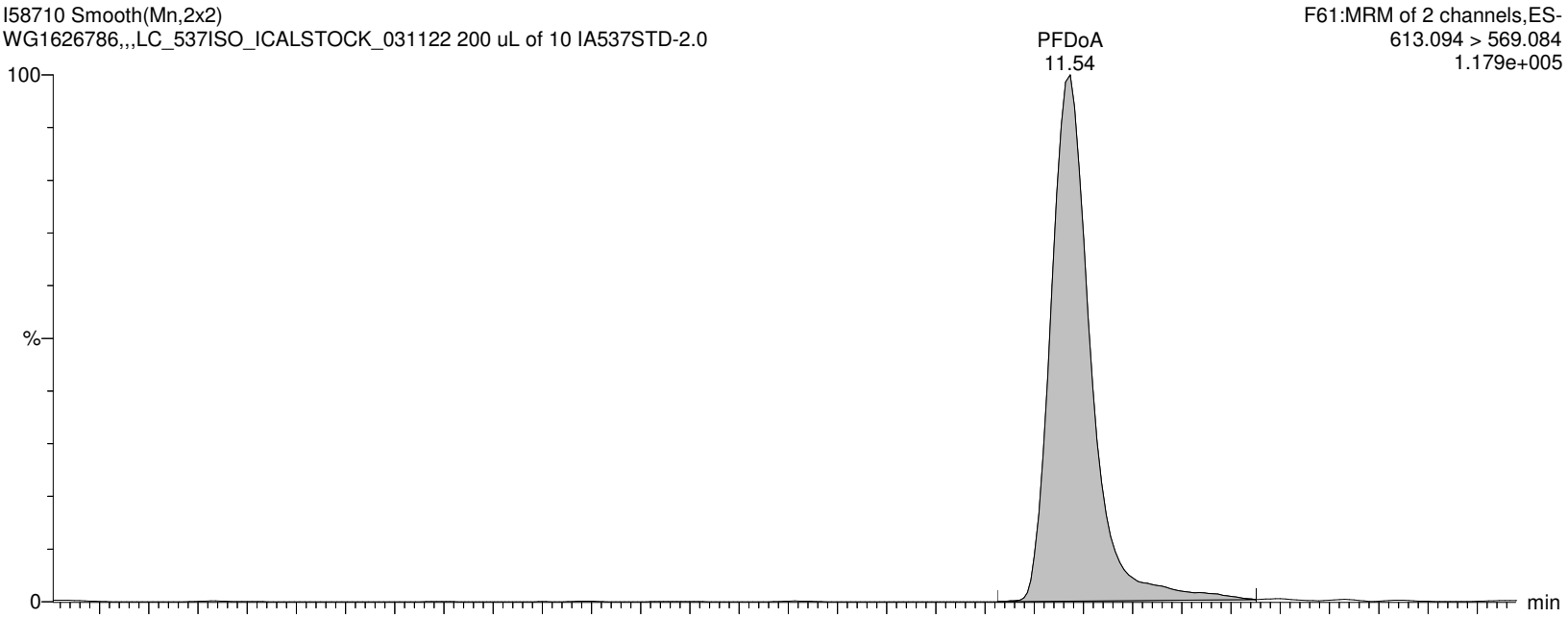


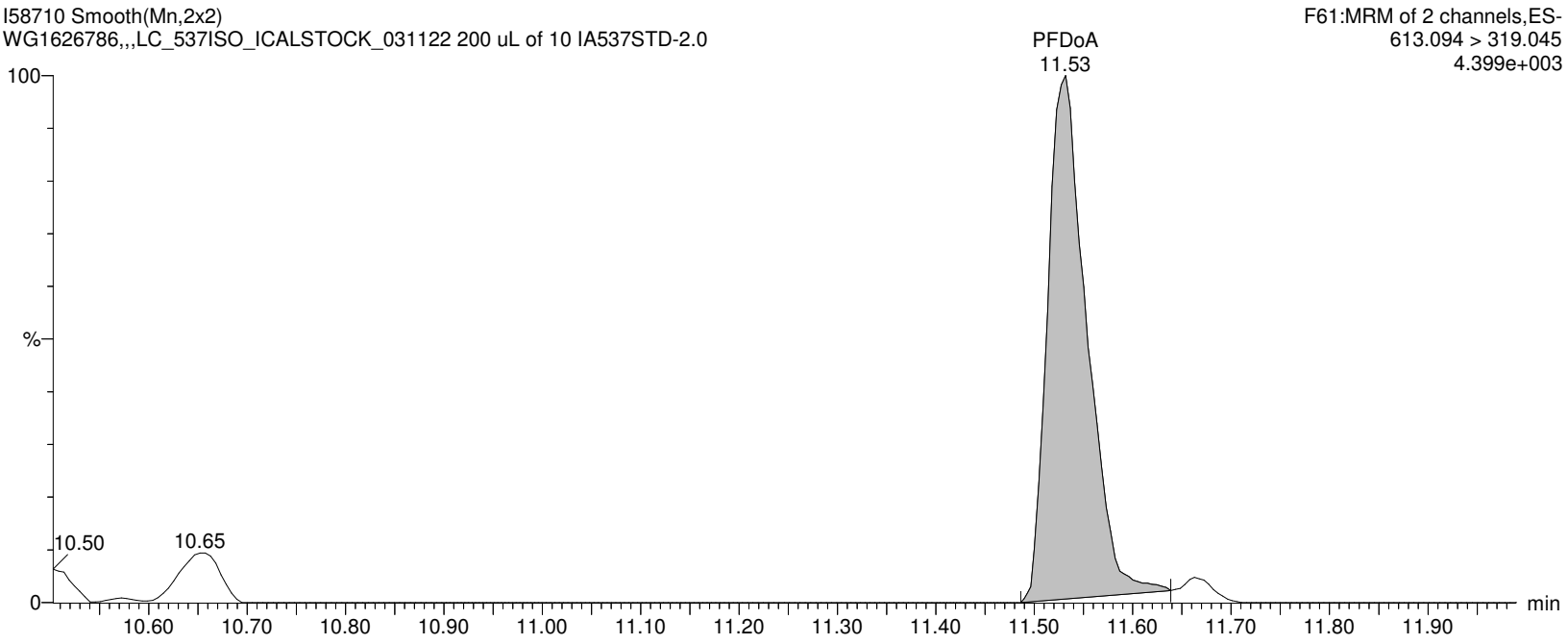
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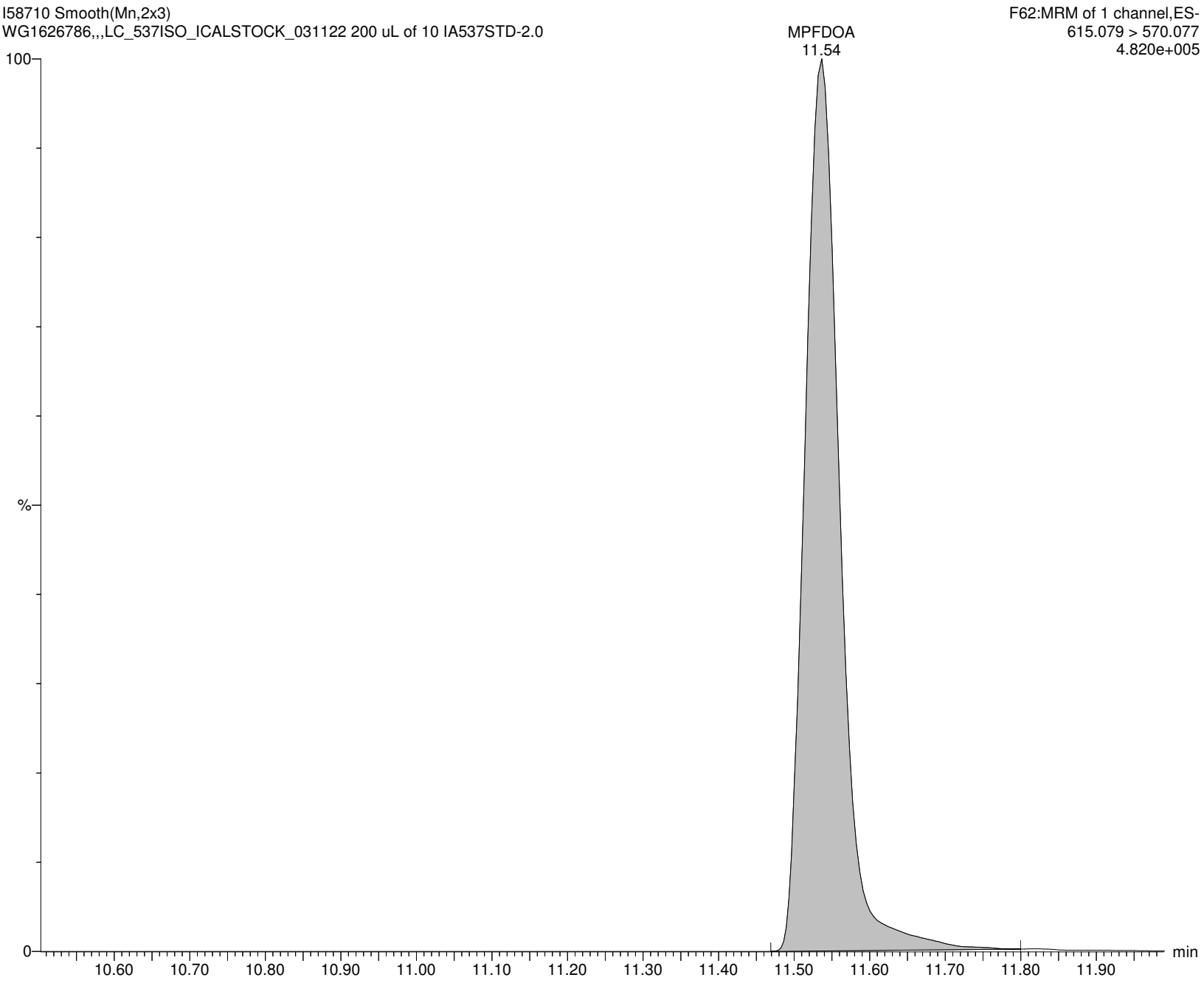


all concentration units in (ng/mL)

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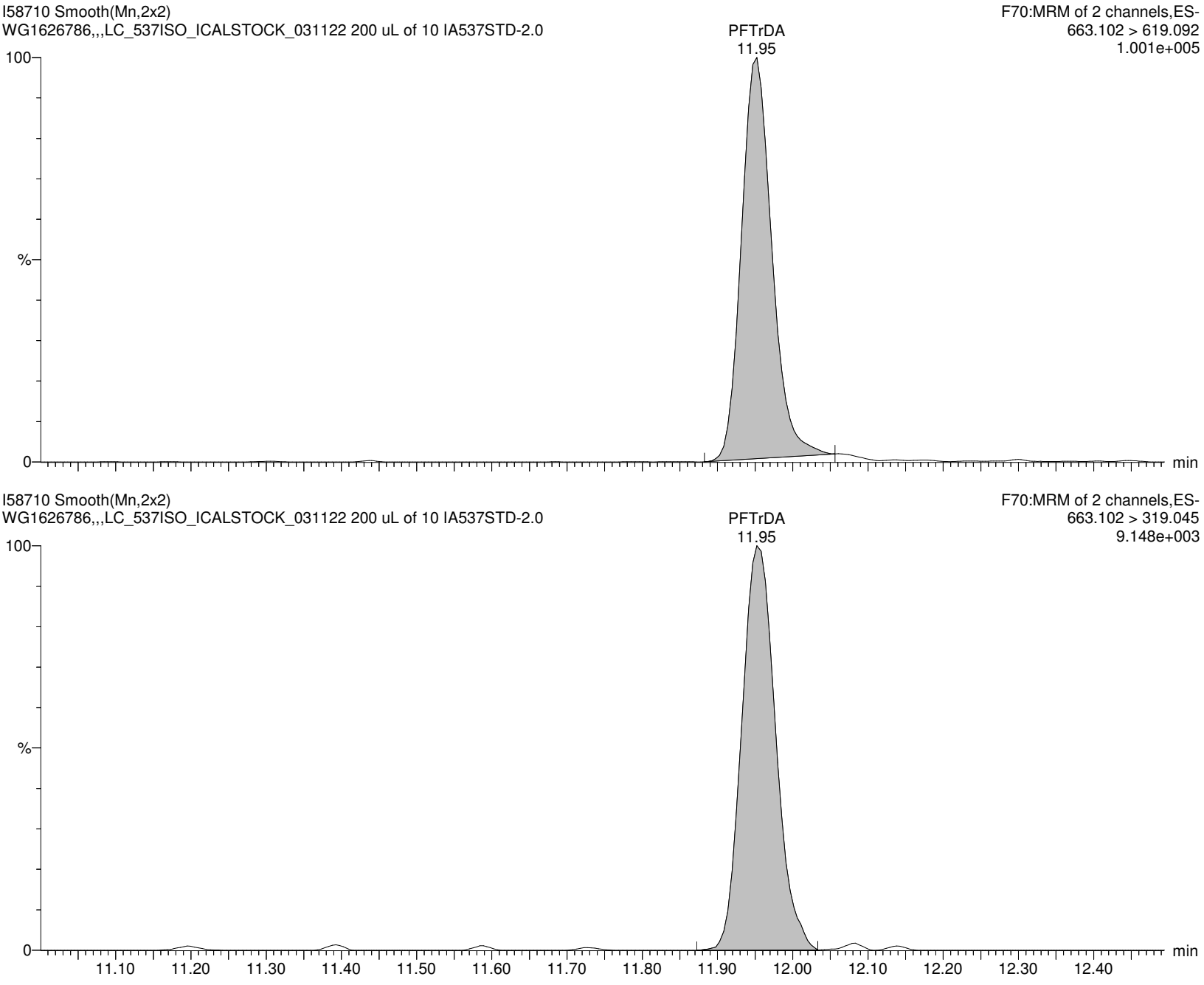


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Vial: 1:A,4
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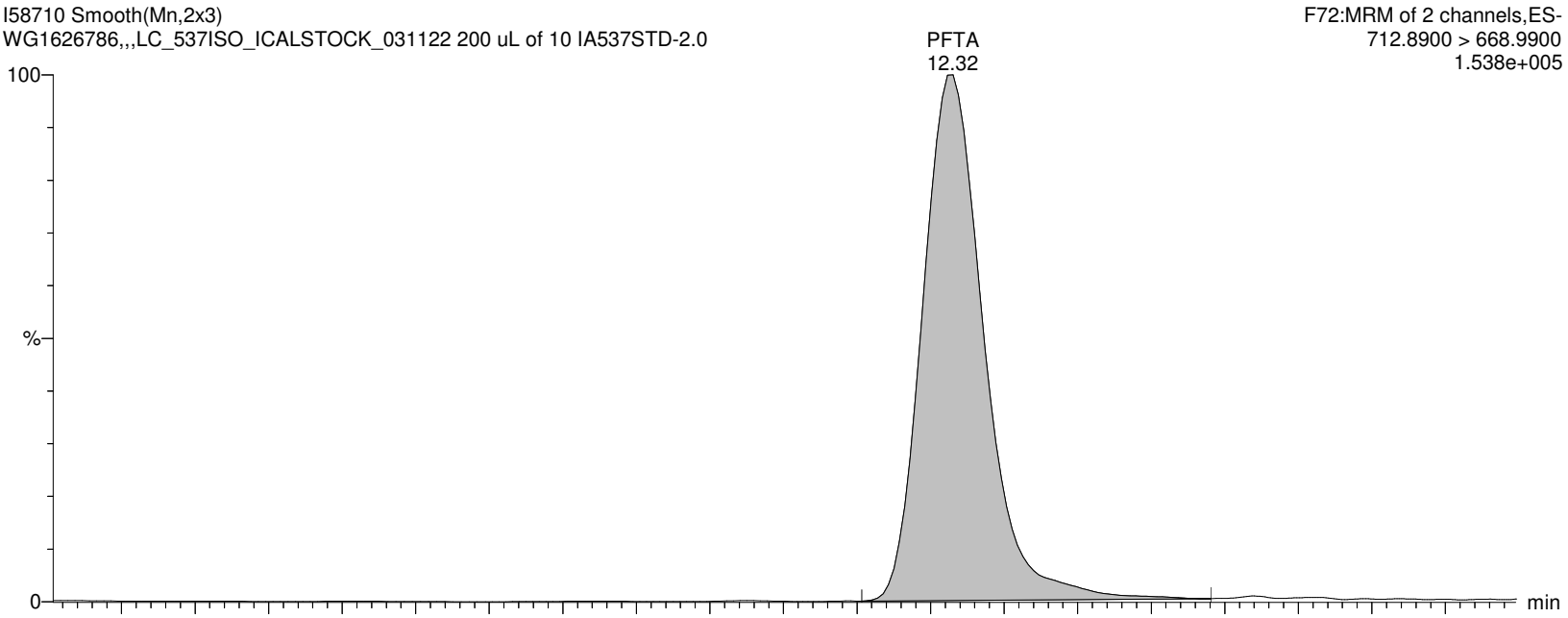


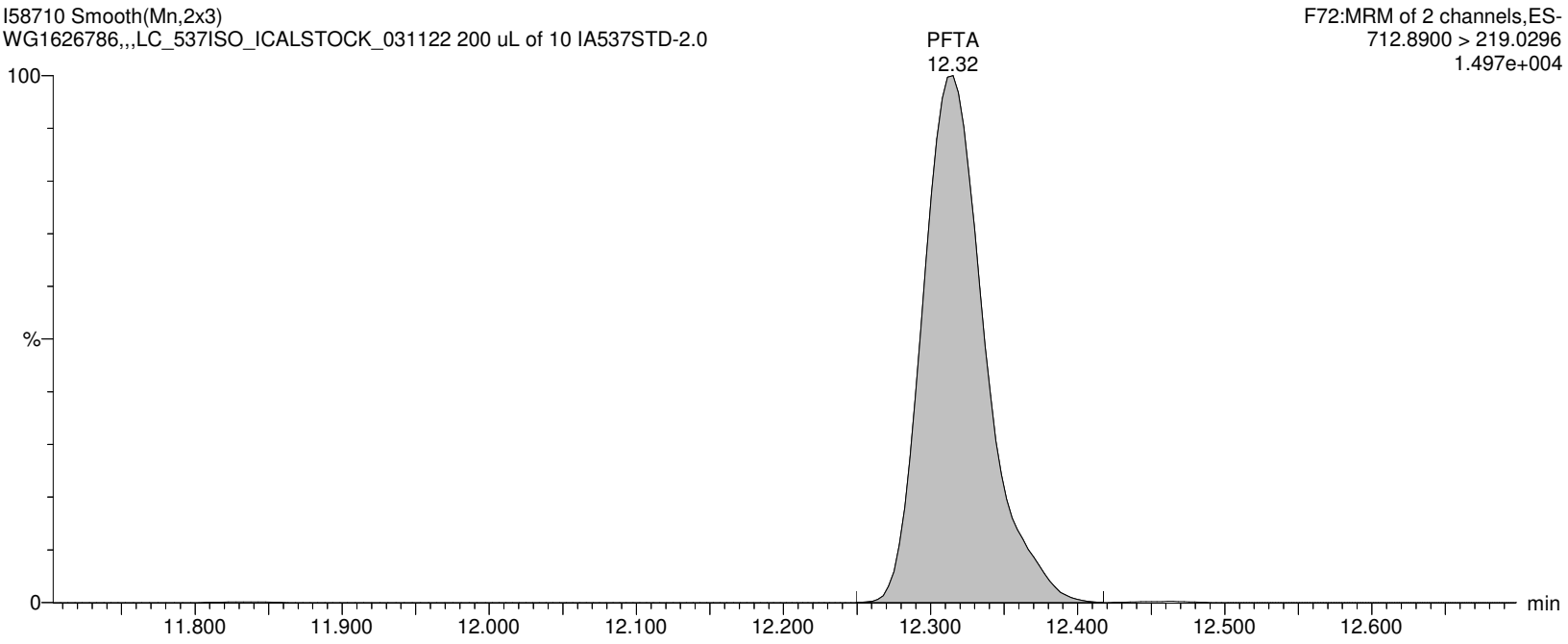
all concentration units in (ng/mL)

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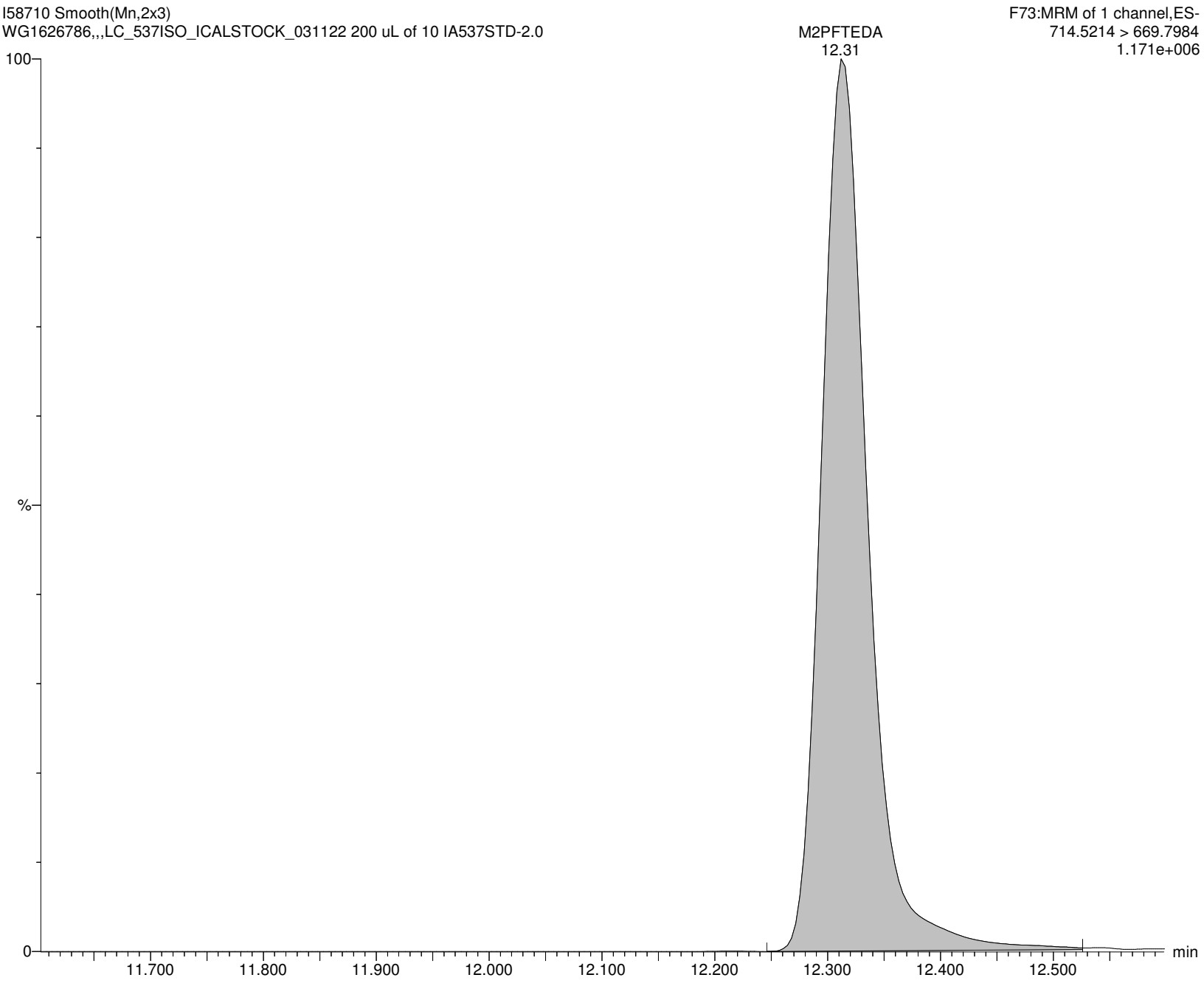


all concentration units in (ng/mL)

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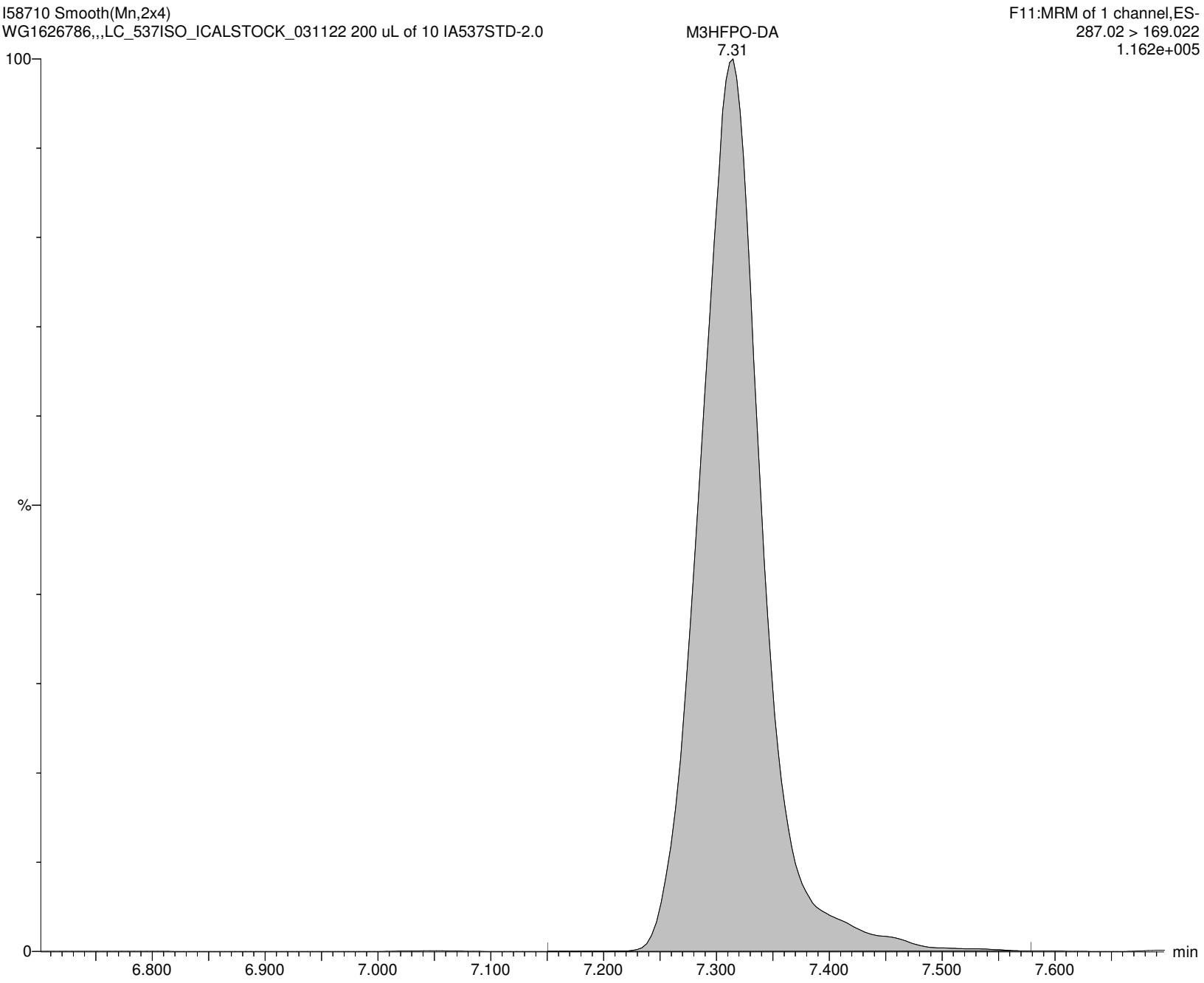


all concentration units in (ng/mL)

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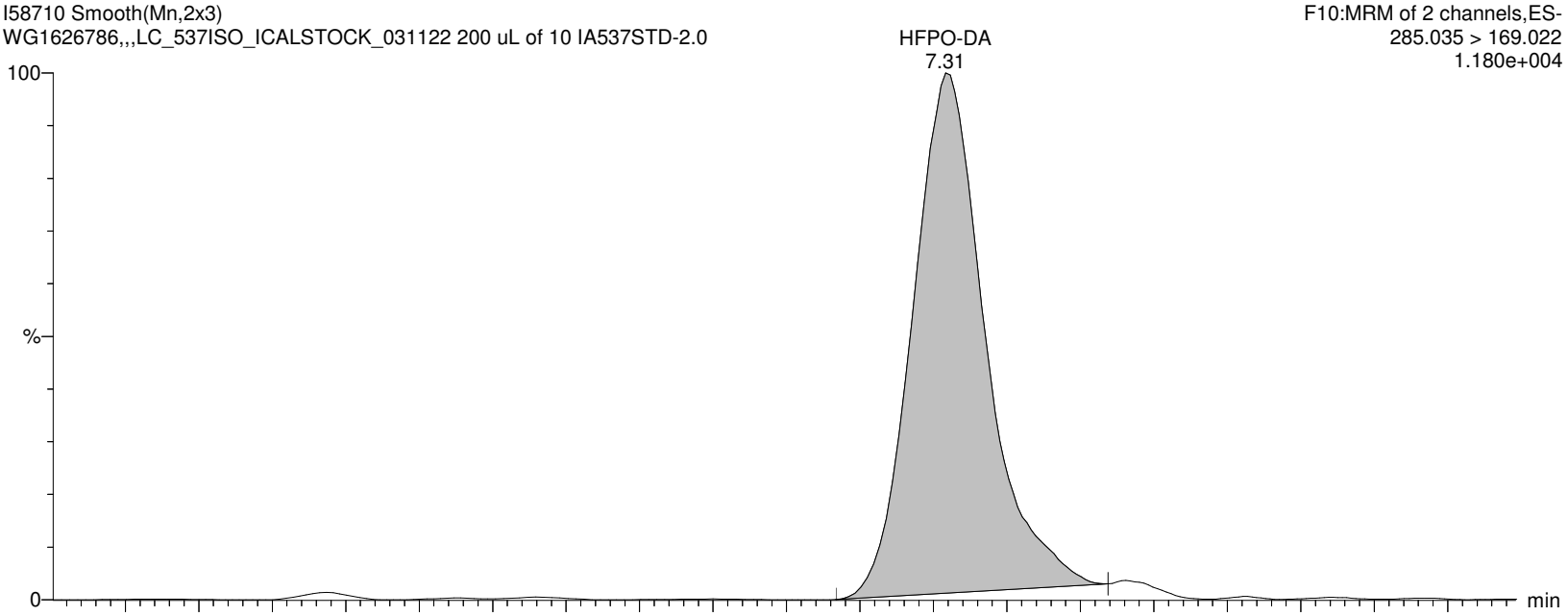


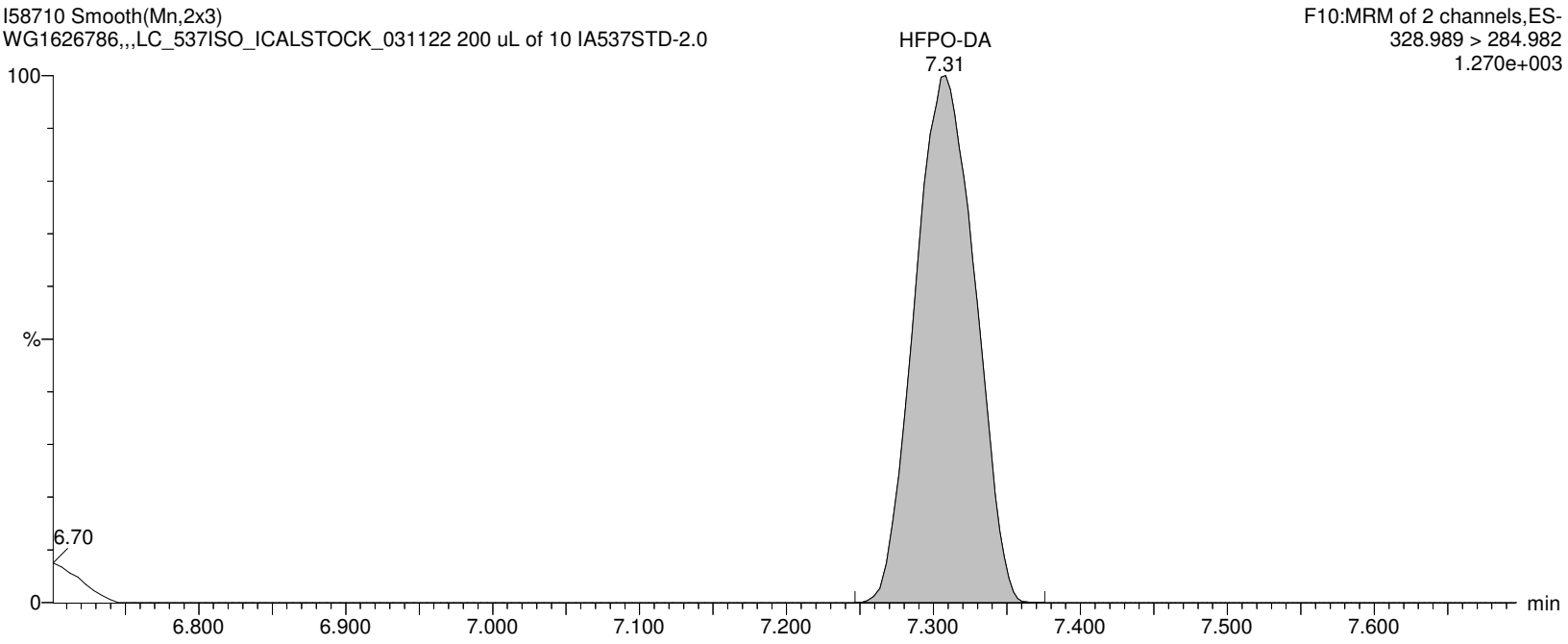
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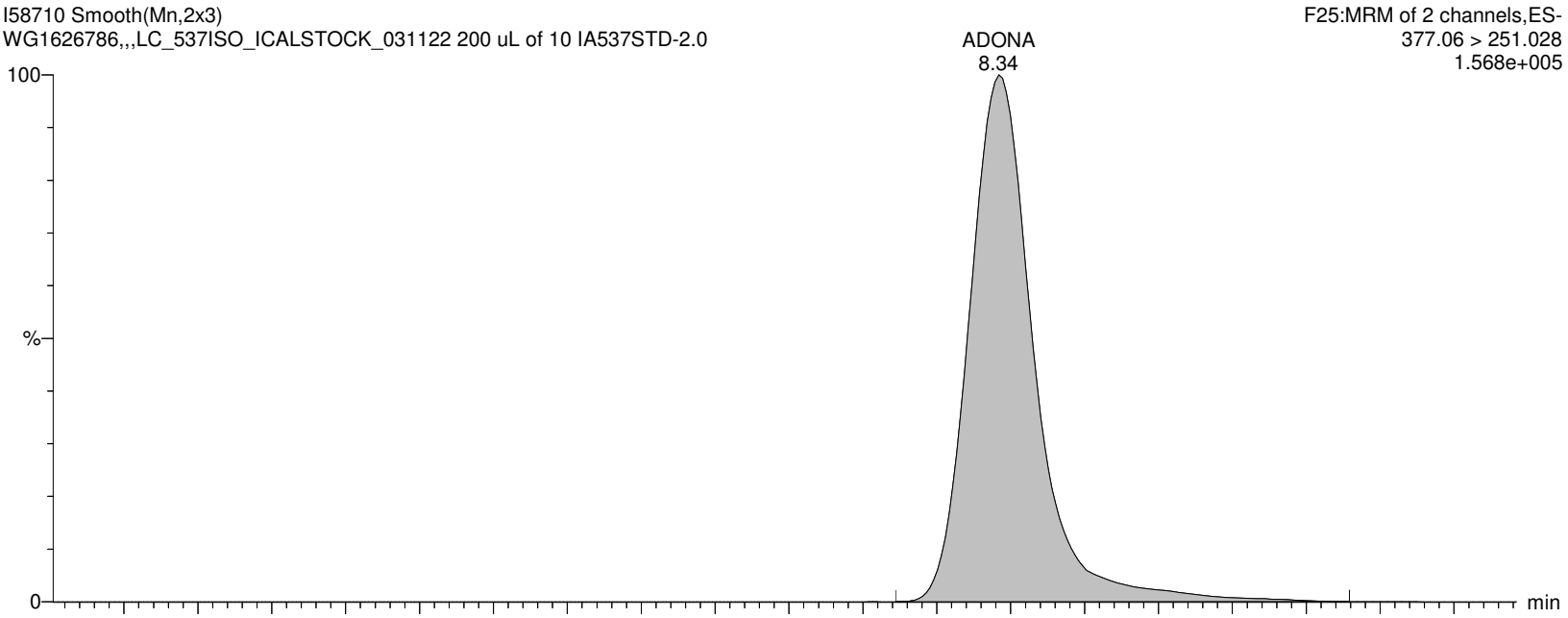


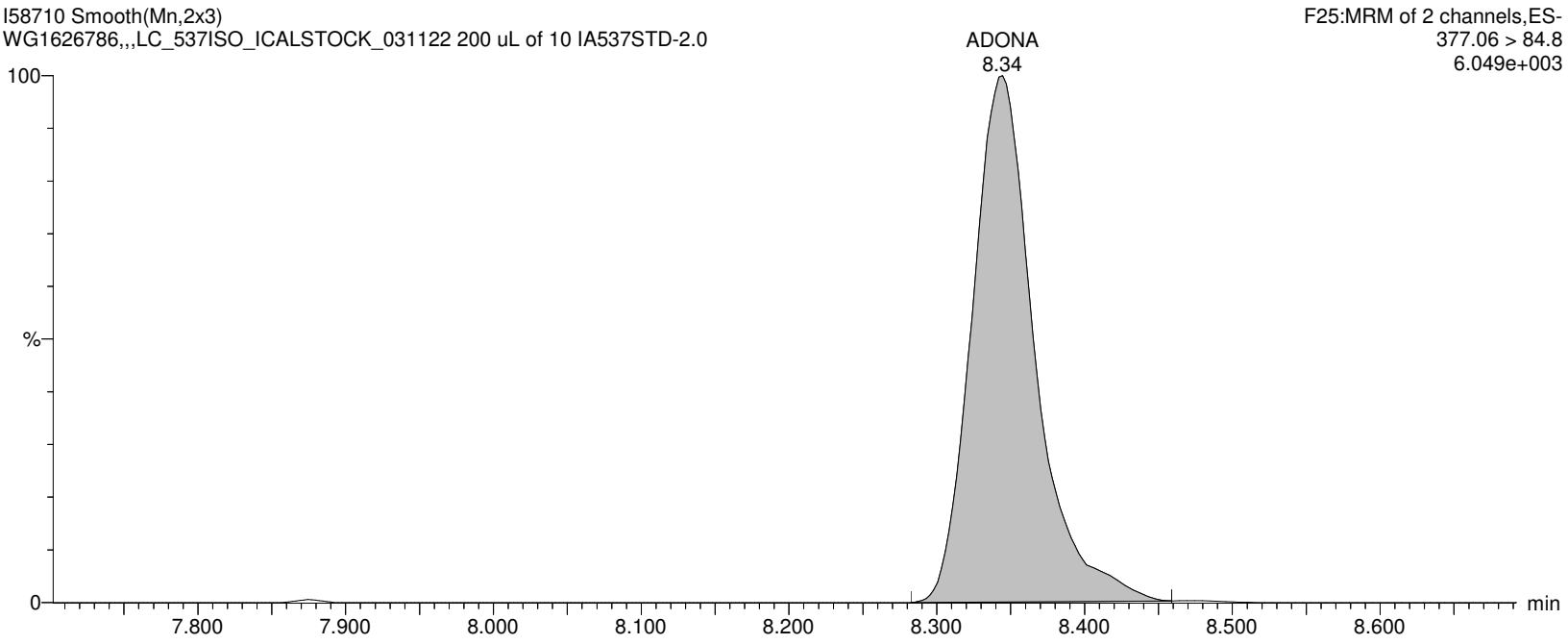
all concentration units in (ng/mL)

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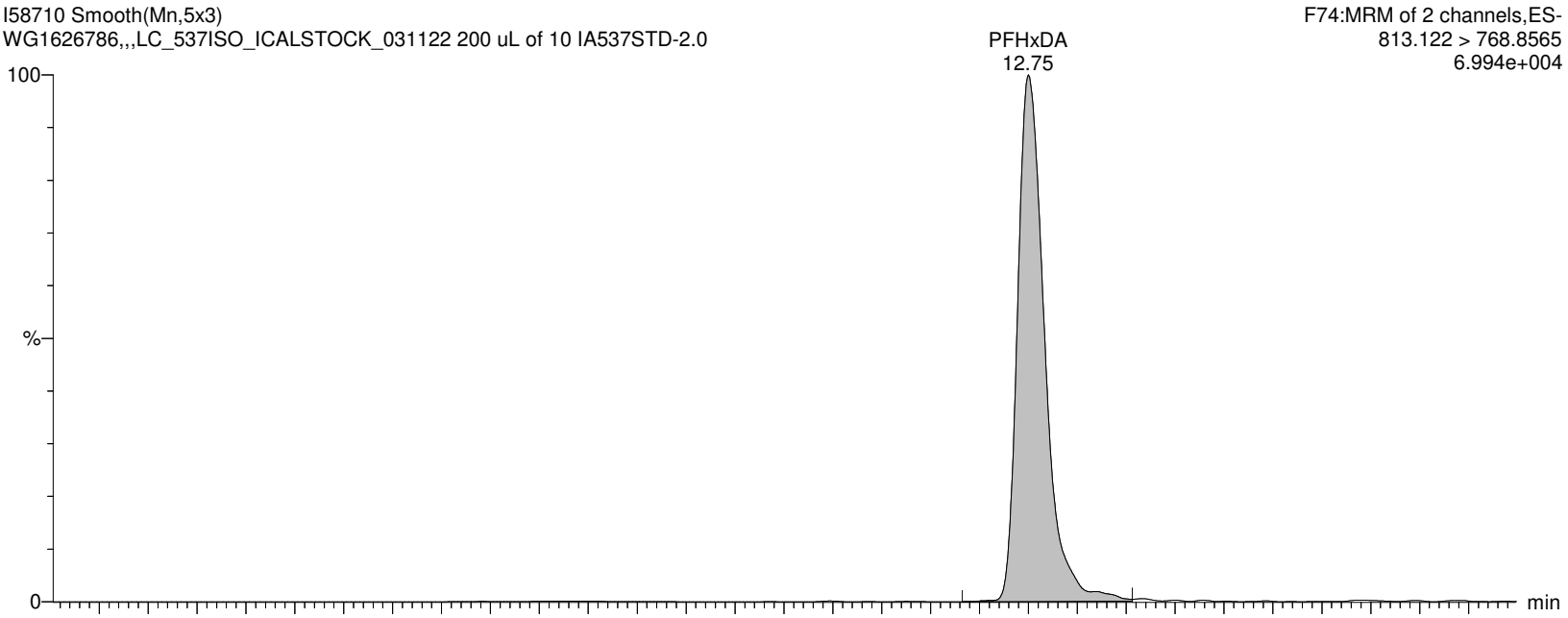


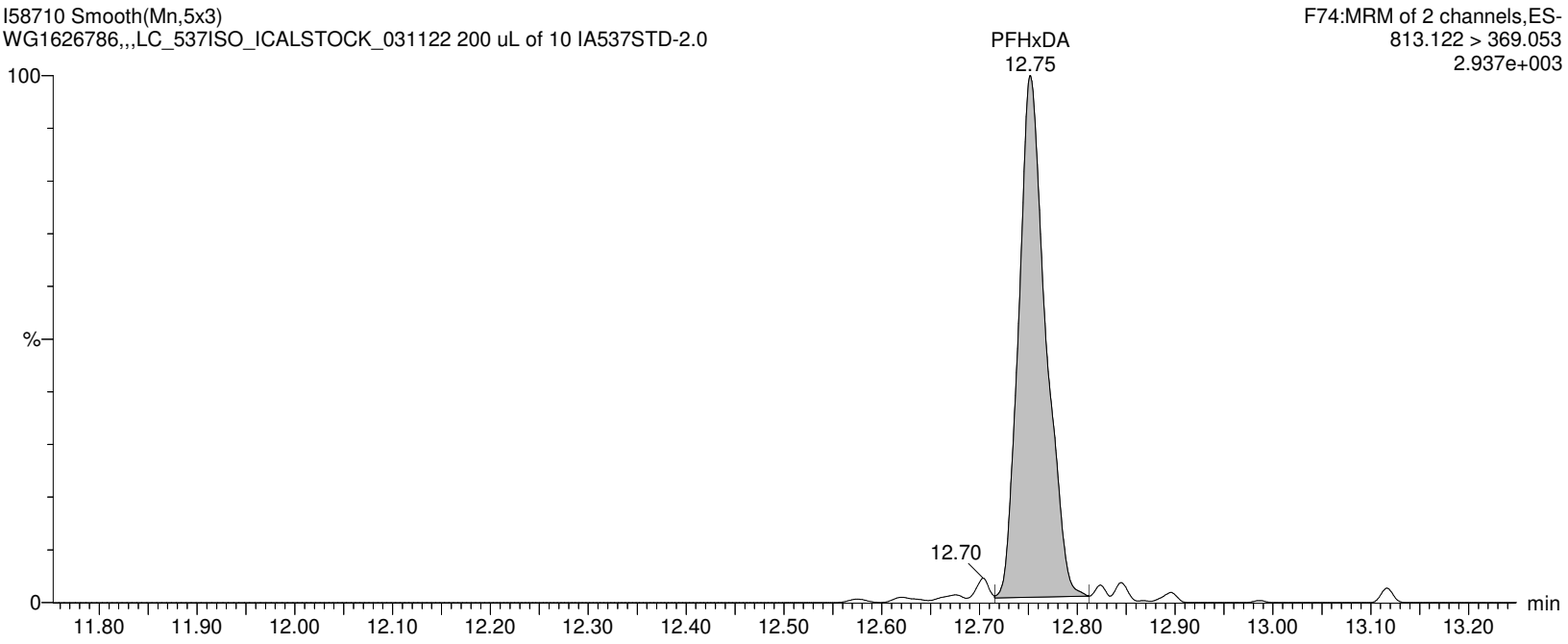
all concentration units in (ng/mL)

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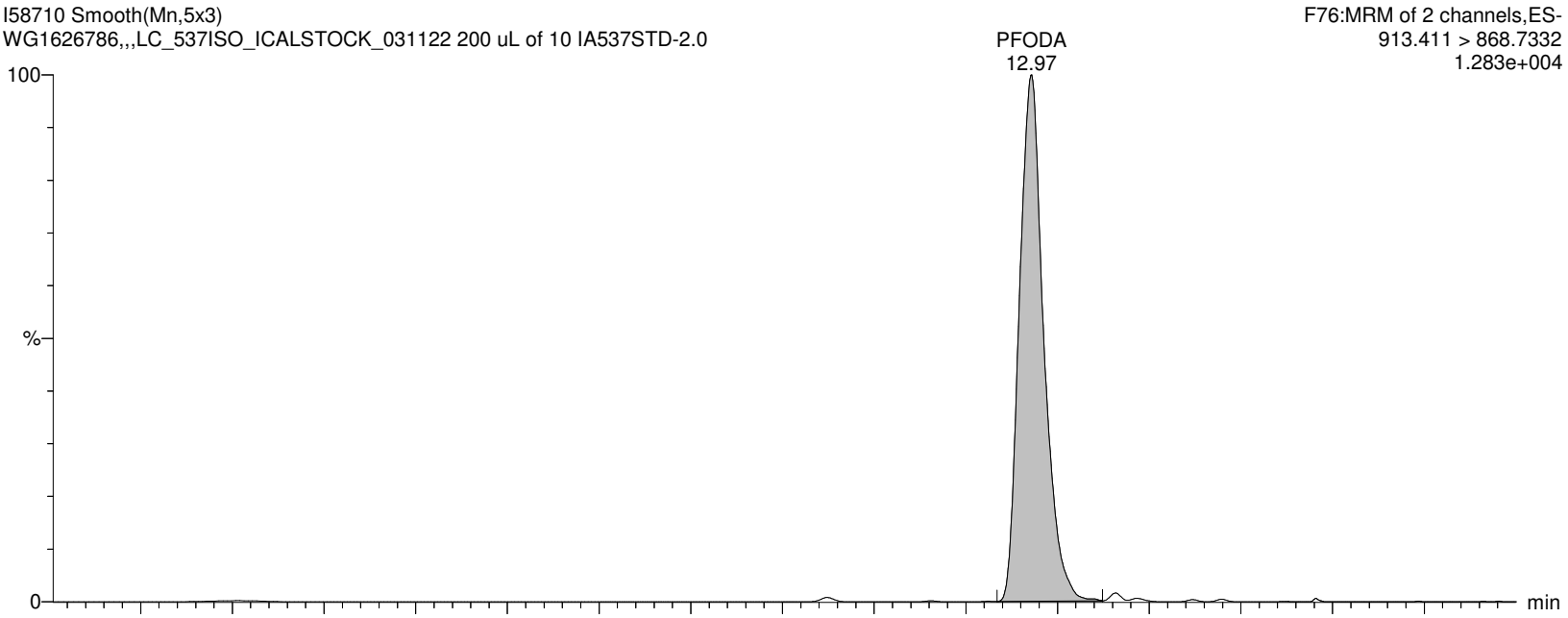


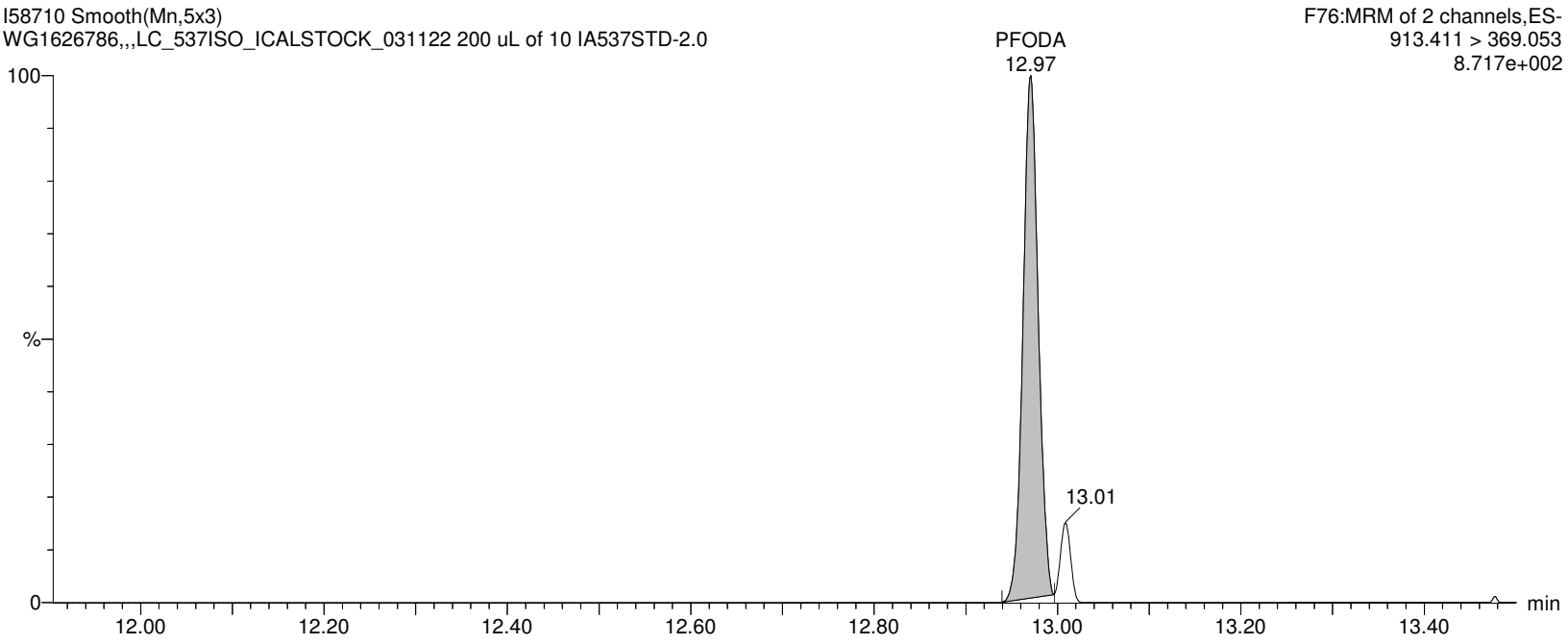
all concentration units in (ng/mL)

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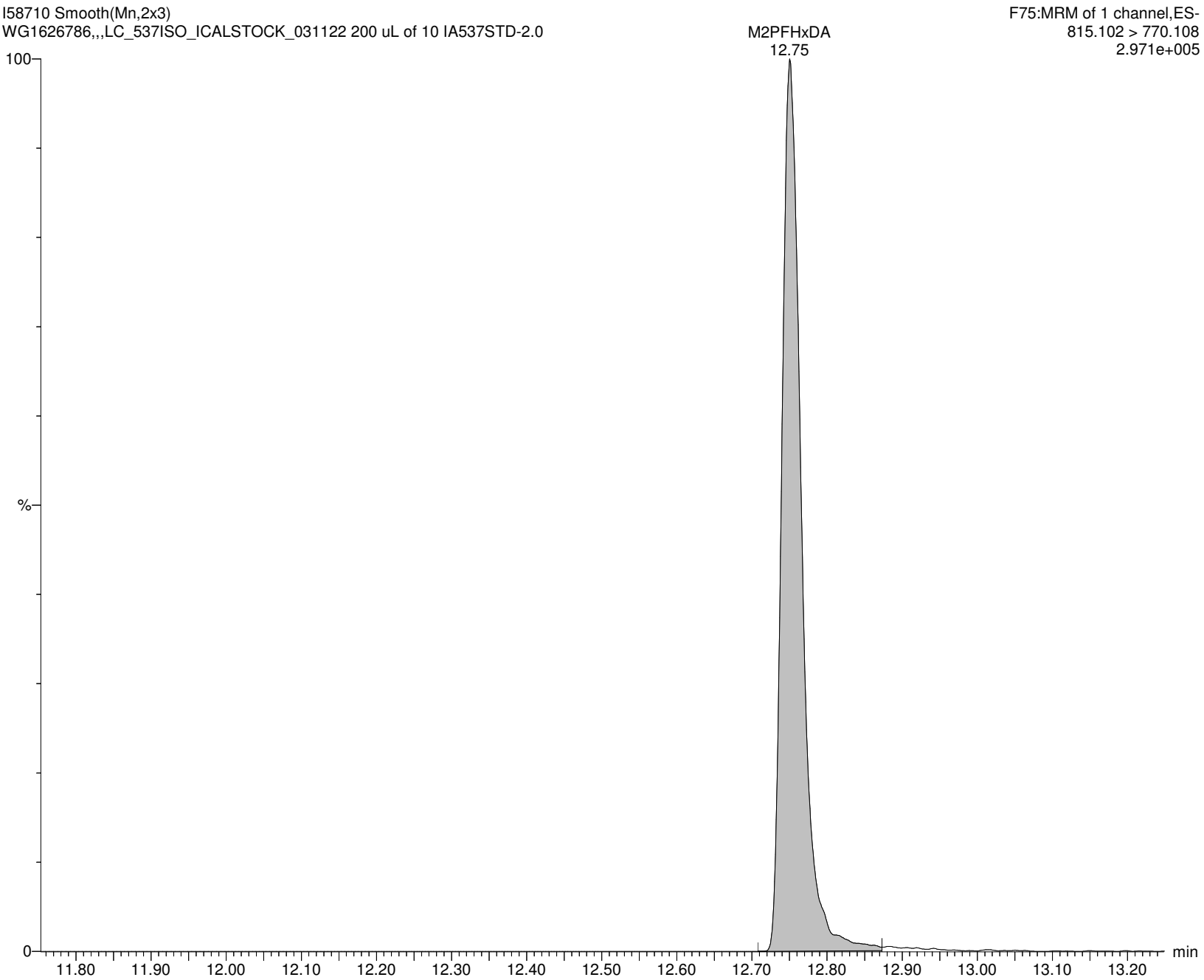


all concentration units in (ng/mL)

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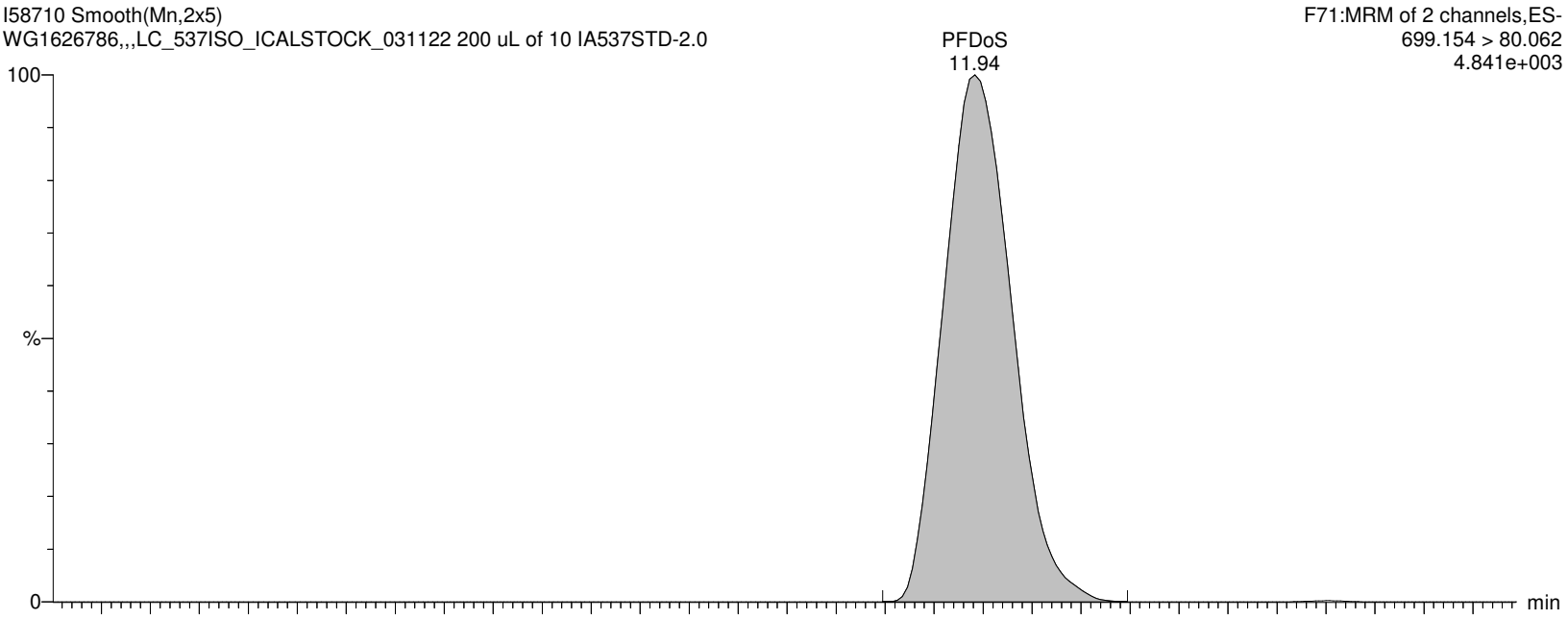


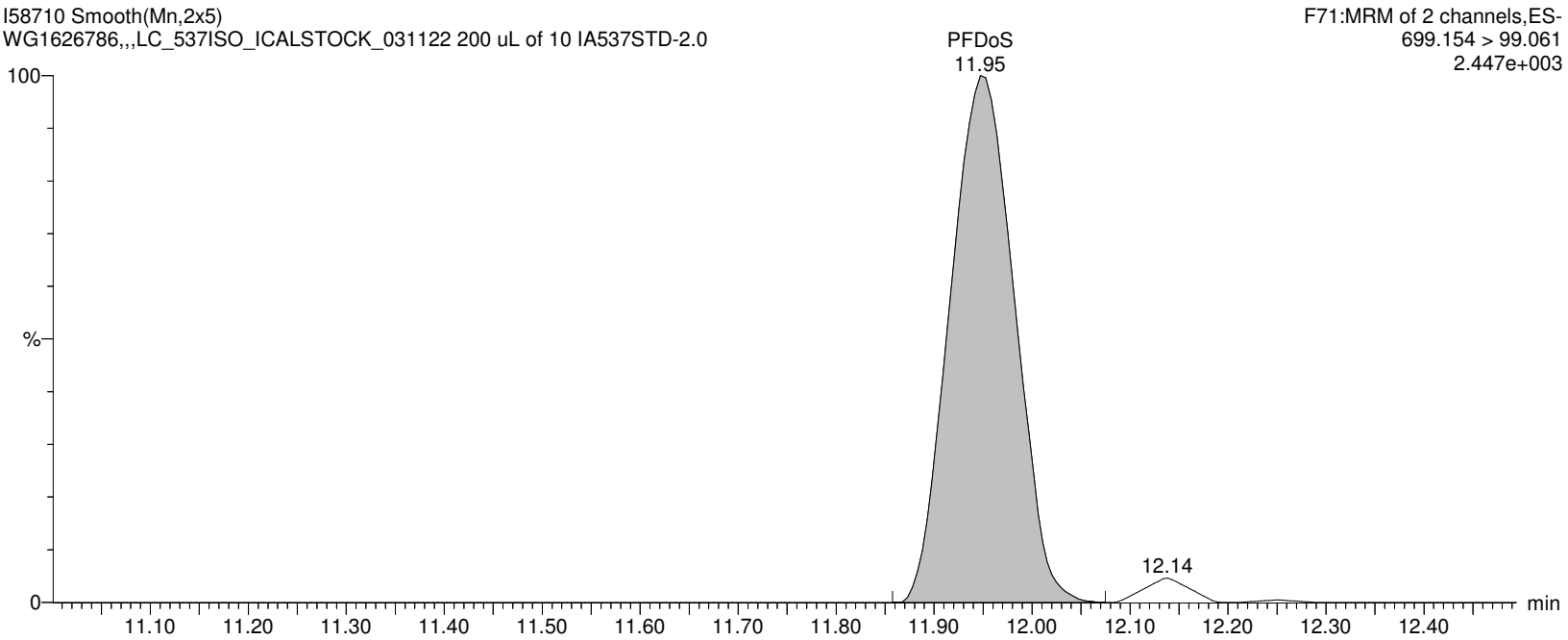
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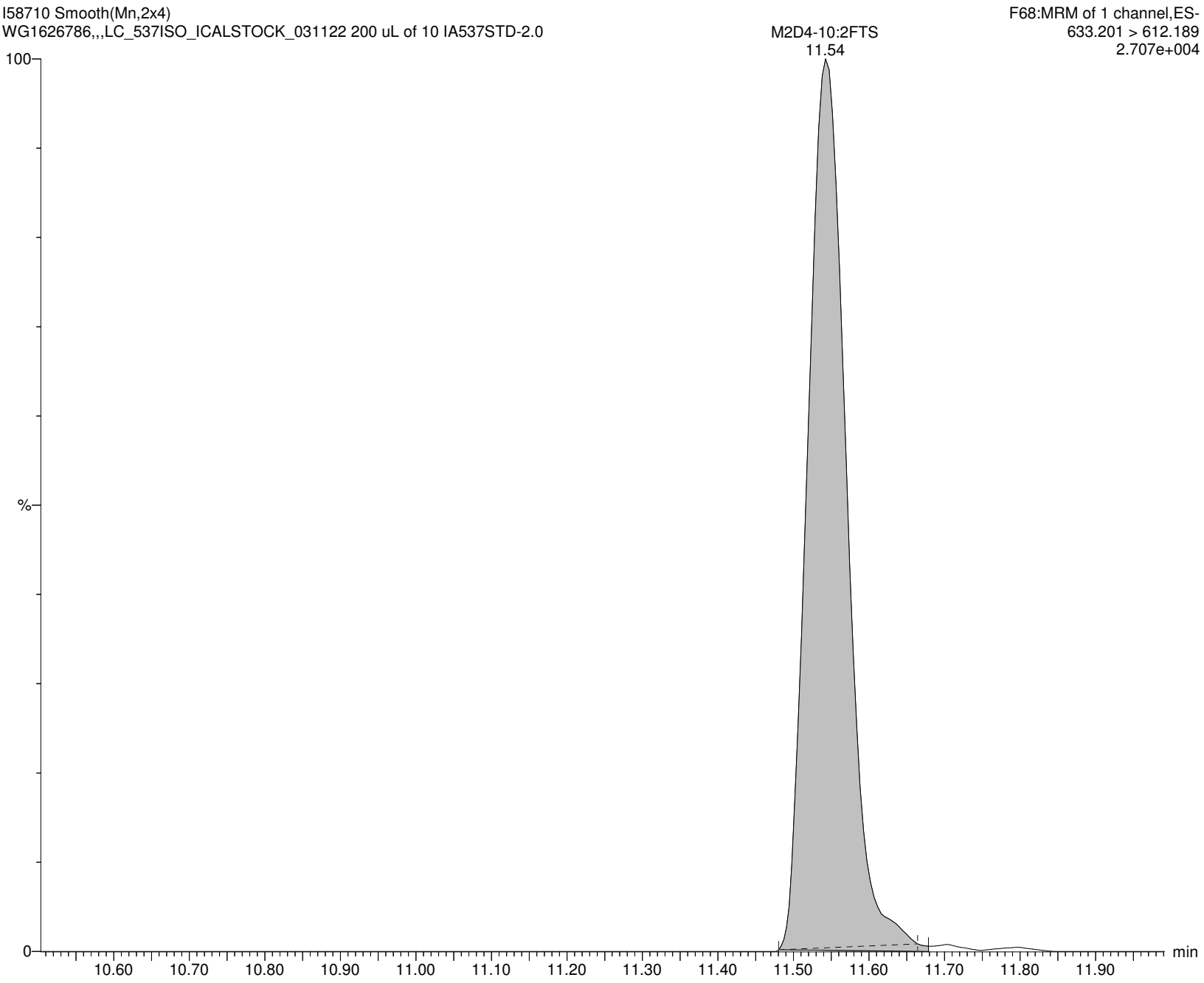


all concentration units in (ng/mL)

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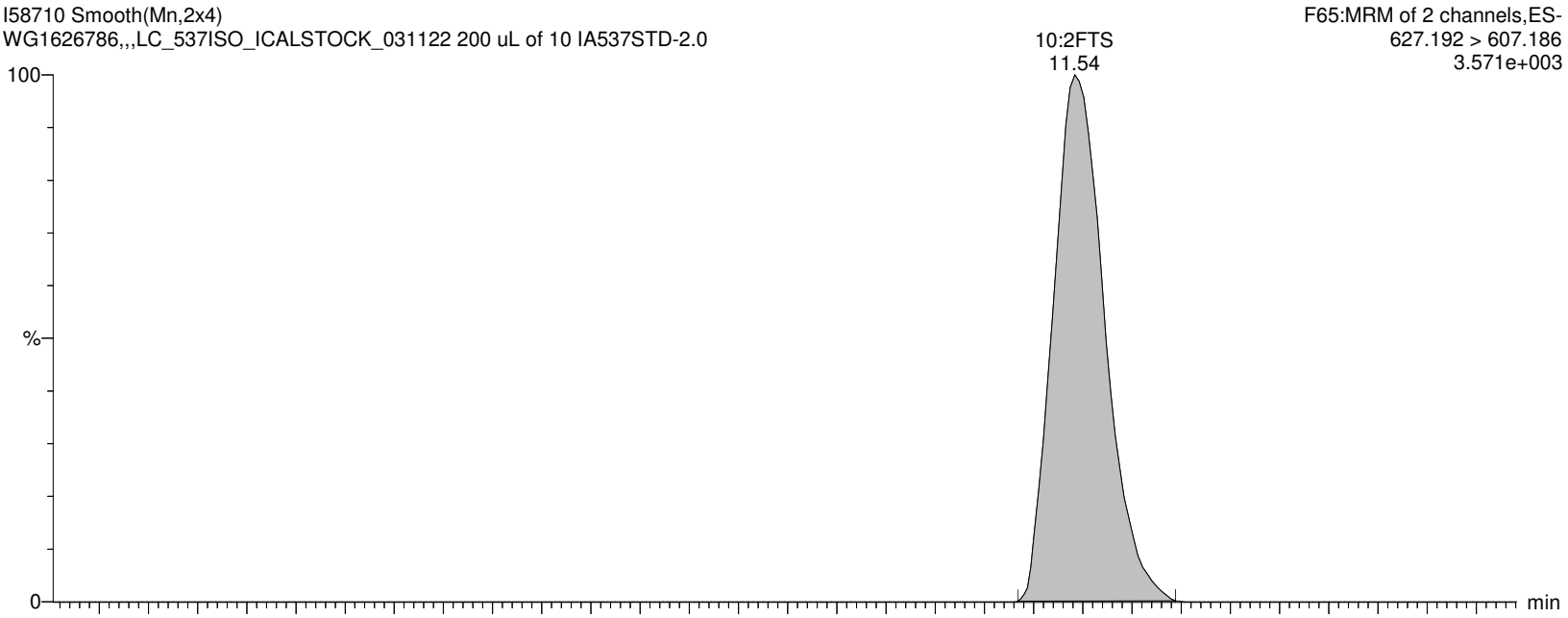


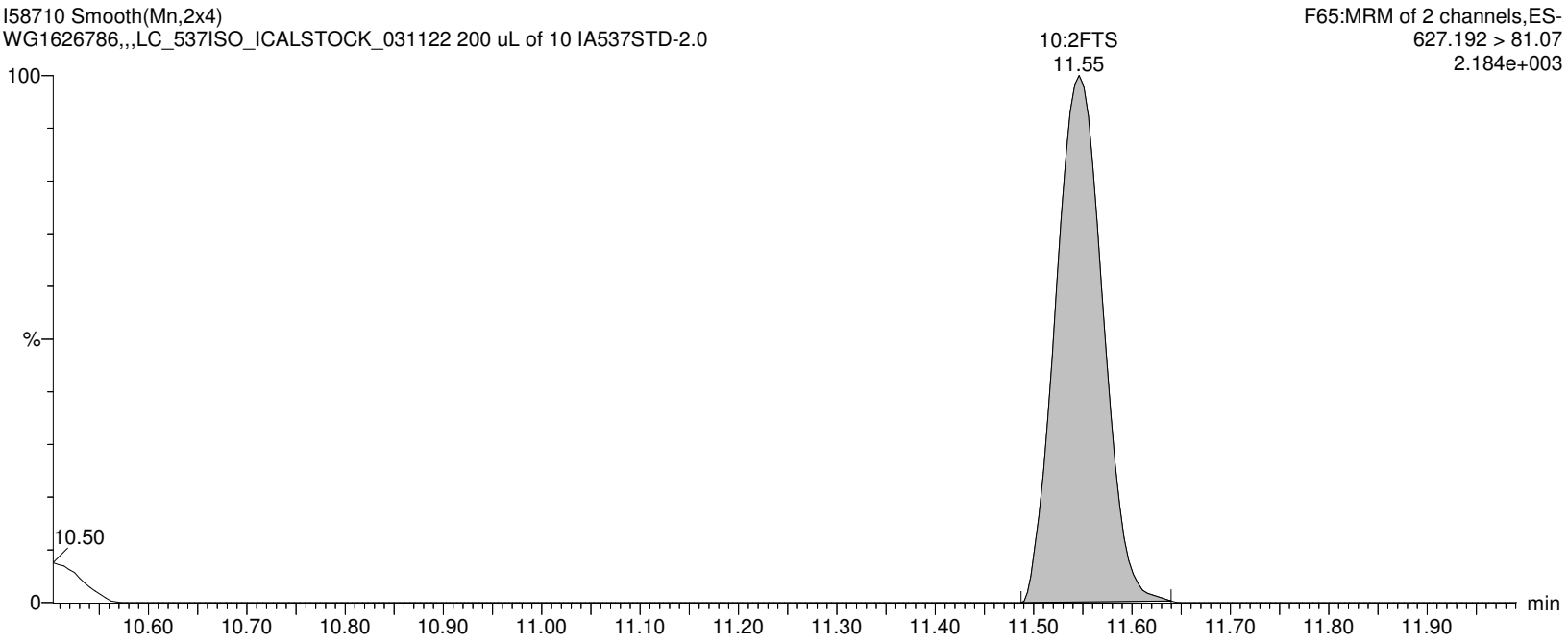
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10:2FTS



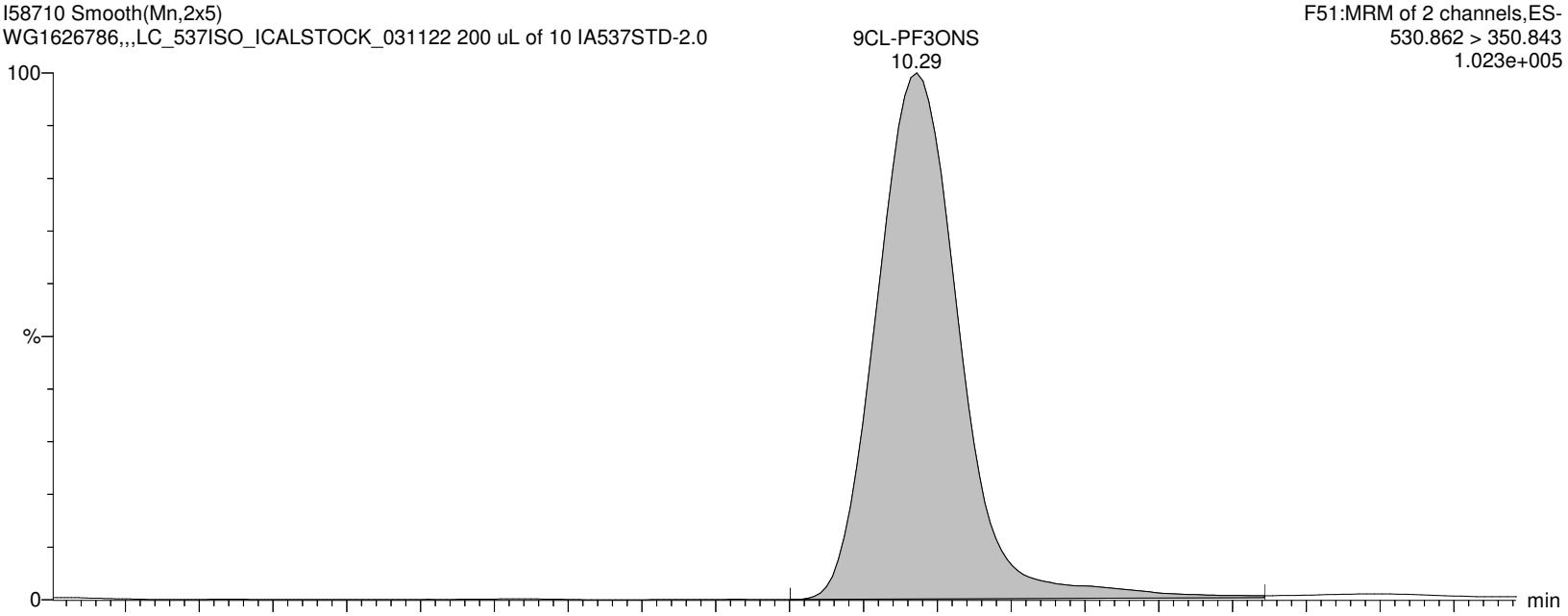


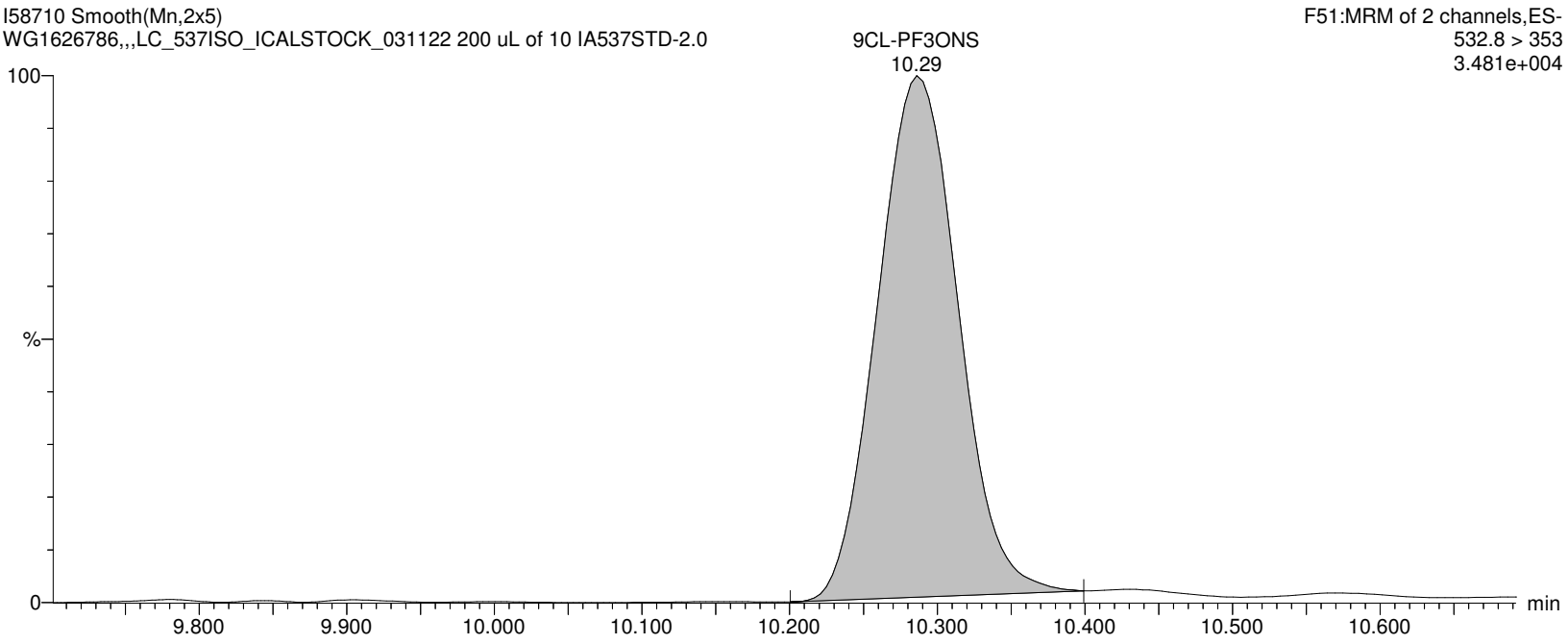
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



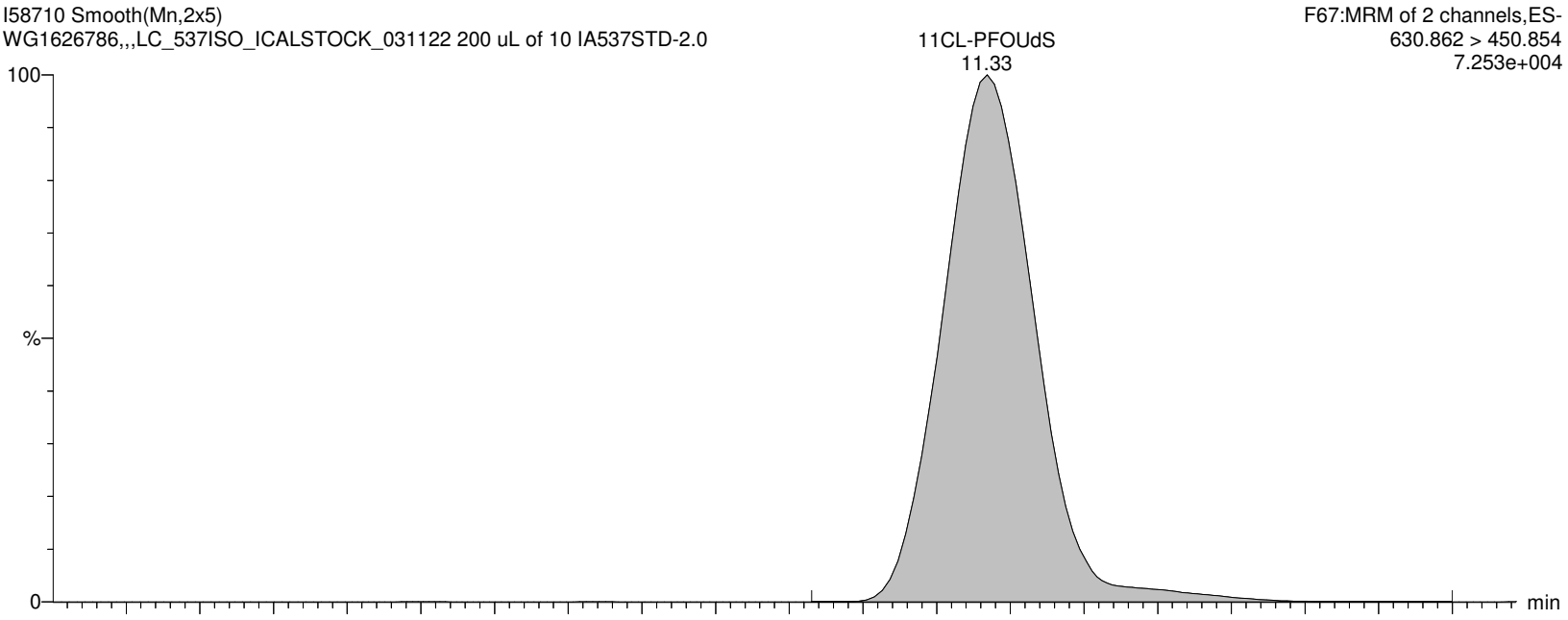


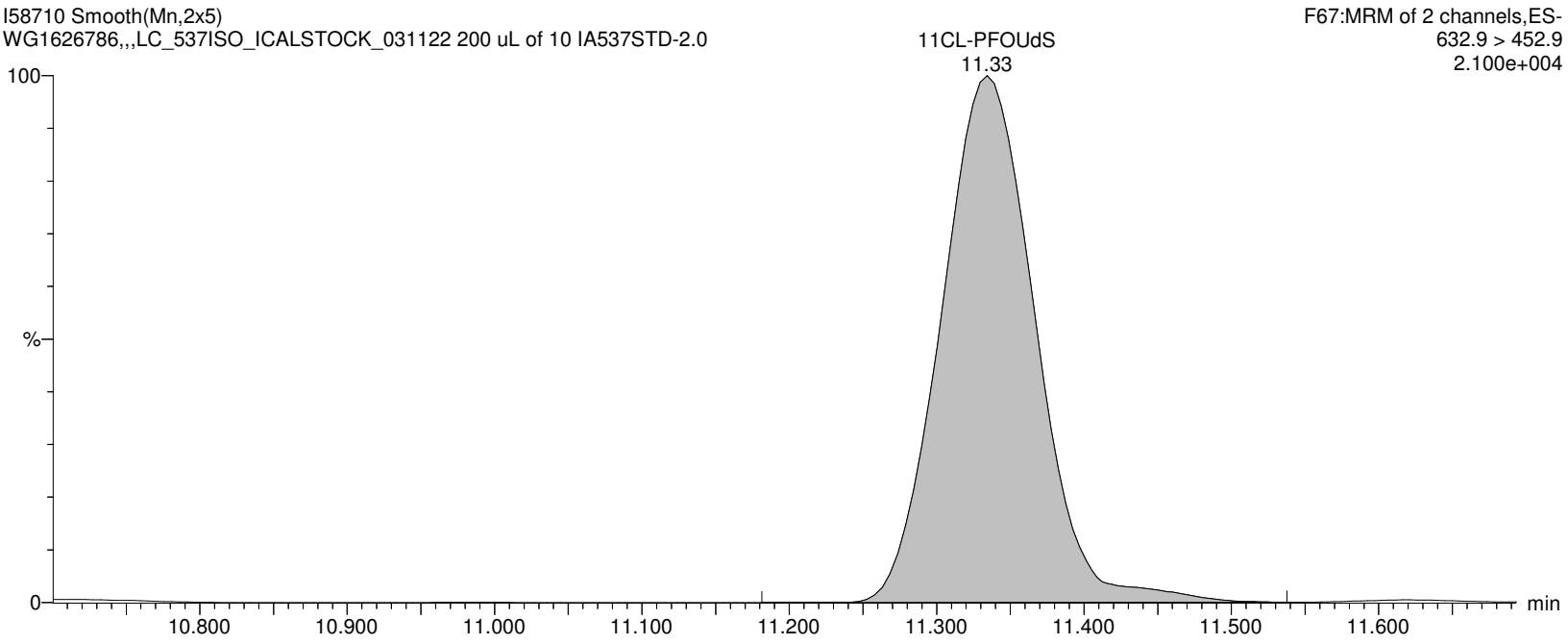
all concentration units in (ng/mL)

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11CL-PFOUdS



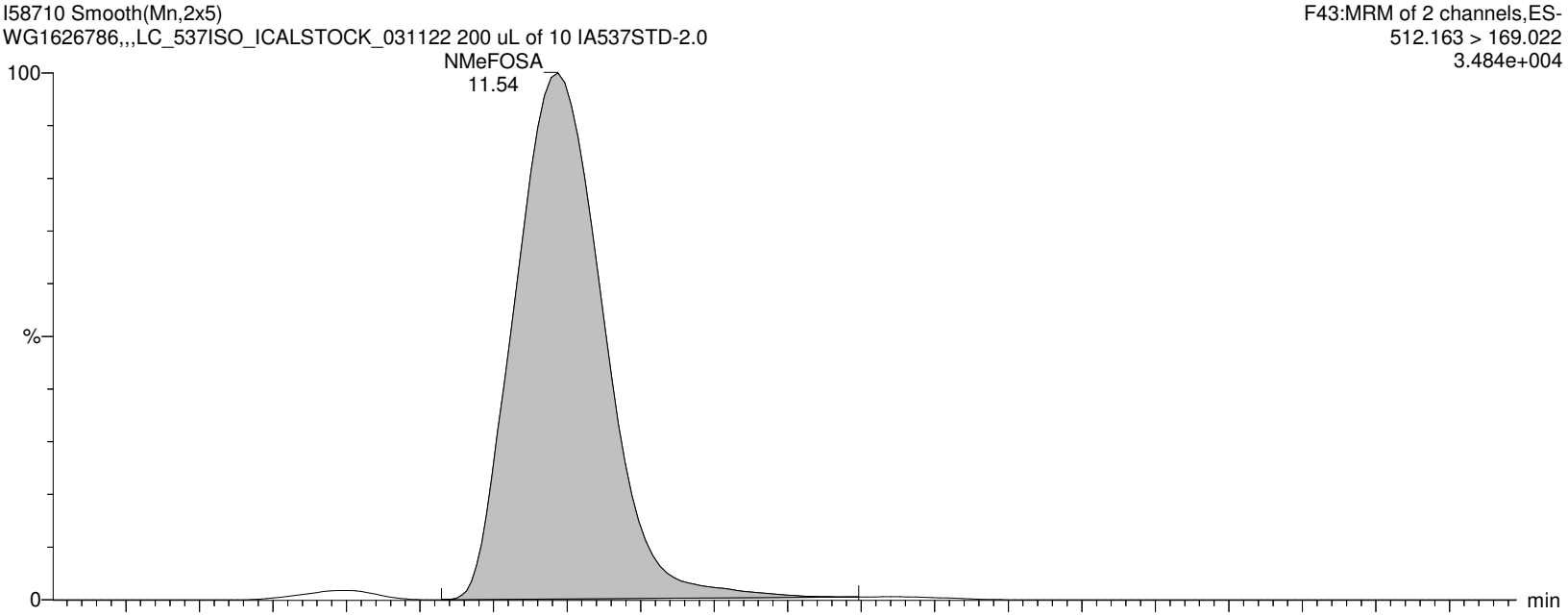


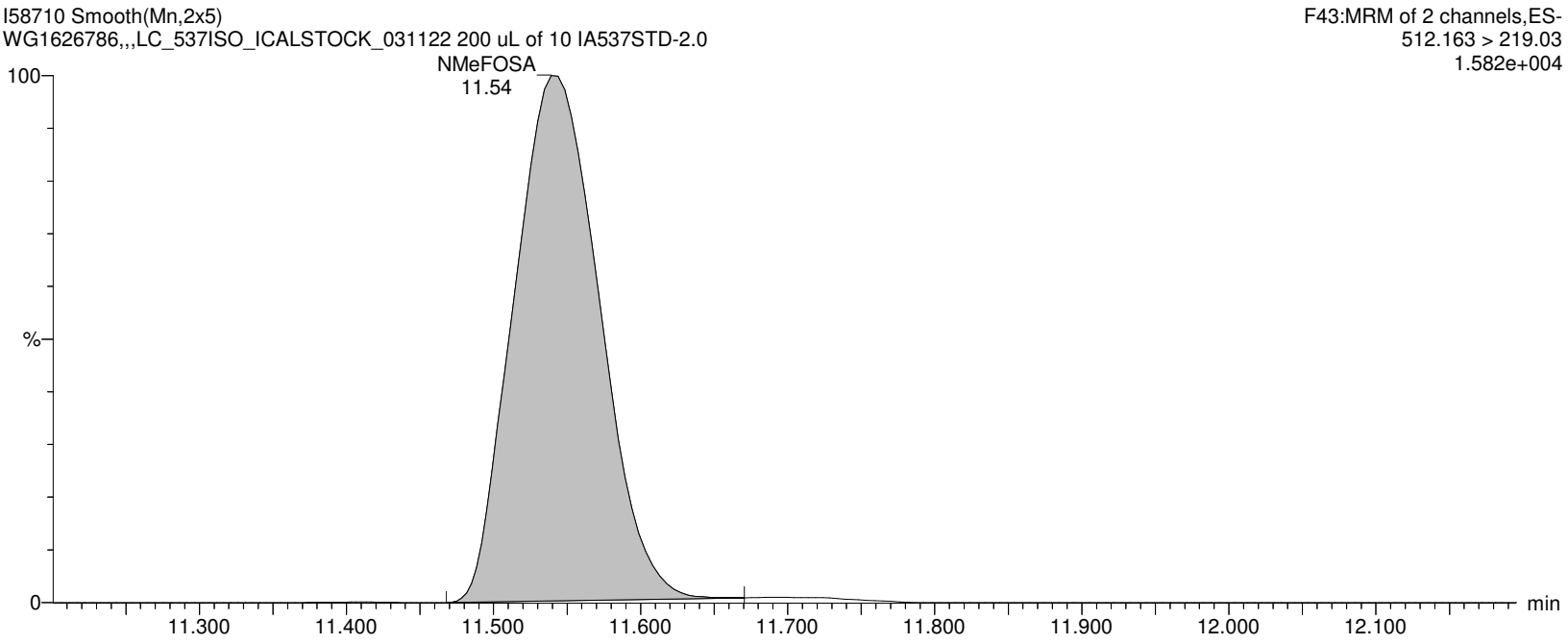
all concentration units in (ng/mL)

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NMeFOSA



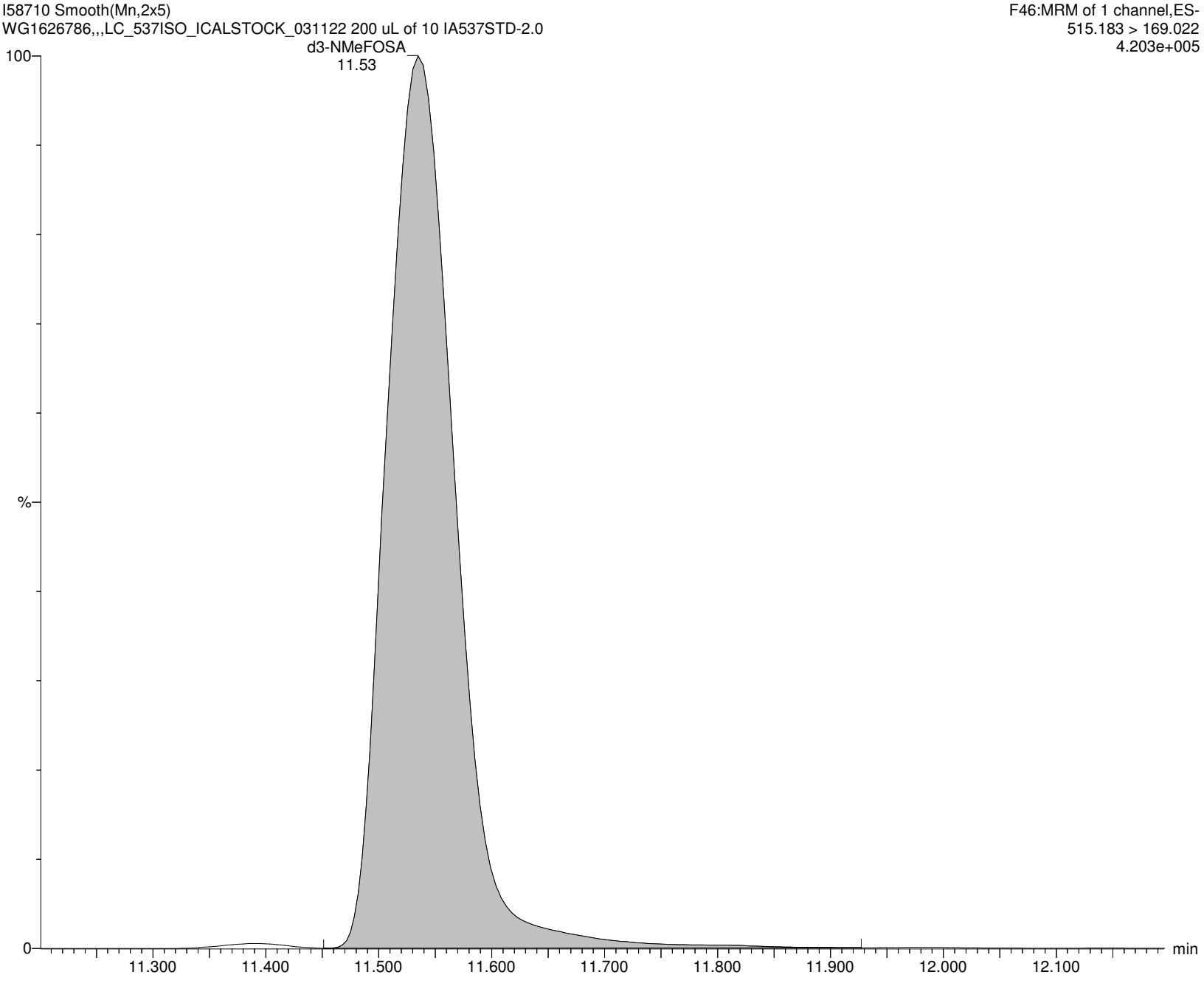


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:15 Eastern Daylight Time

Name: I58710
ID: IA537STD-2.0
Date: 13-Apr-2022
Time: 16:49:47
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 200 uL of 10
User: LCMS02:MP
Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

d3-NMeFOSA

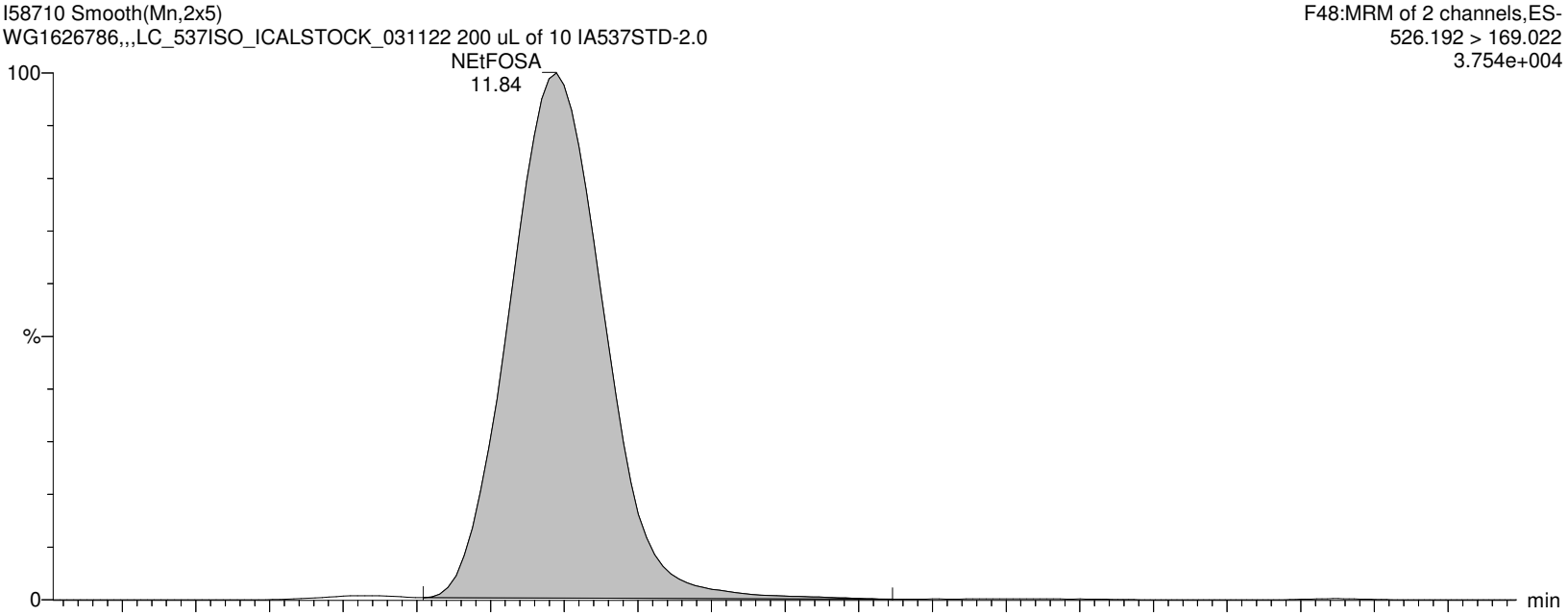


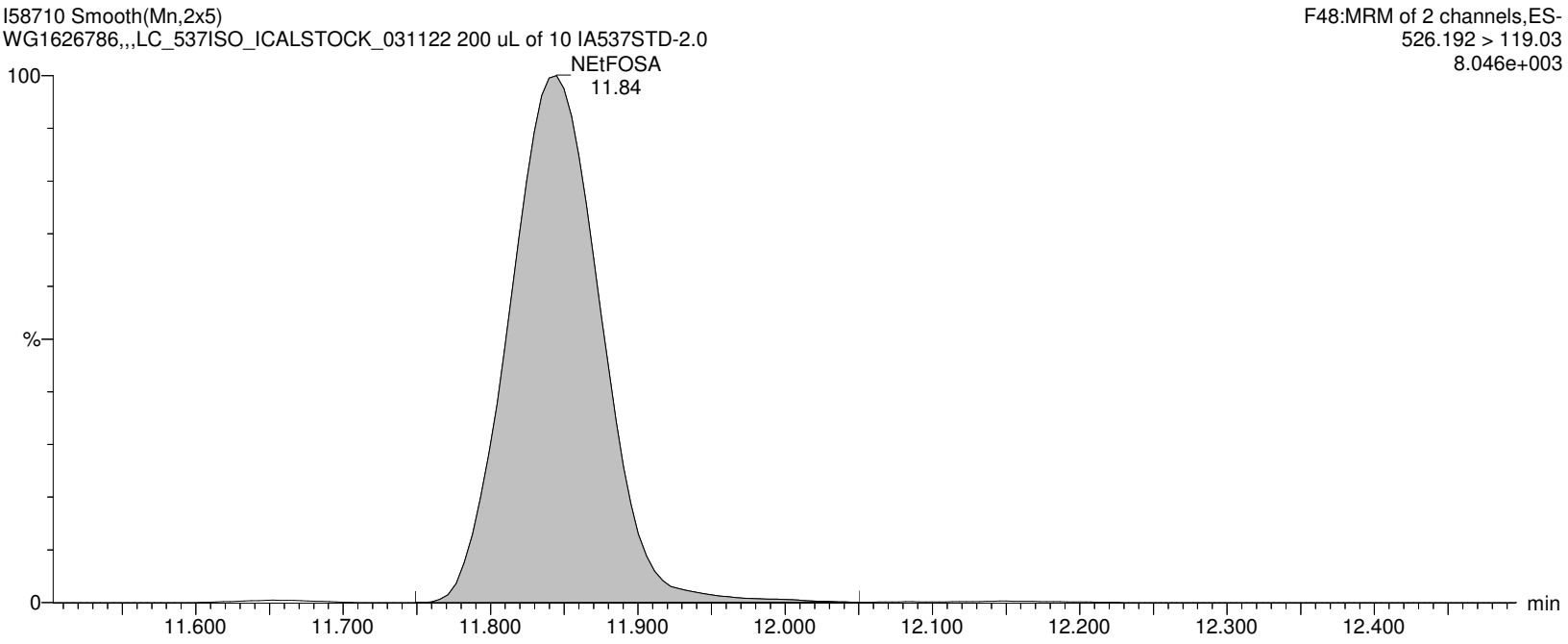
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,4
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Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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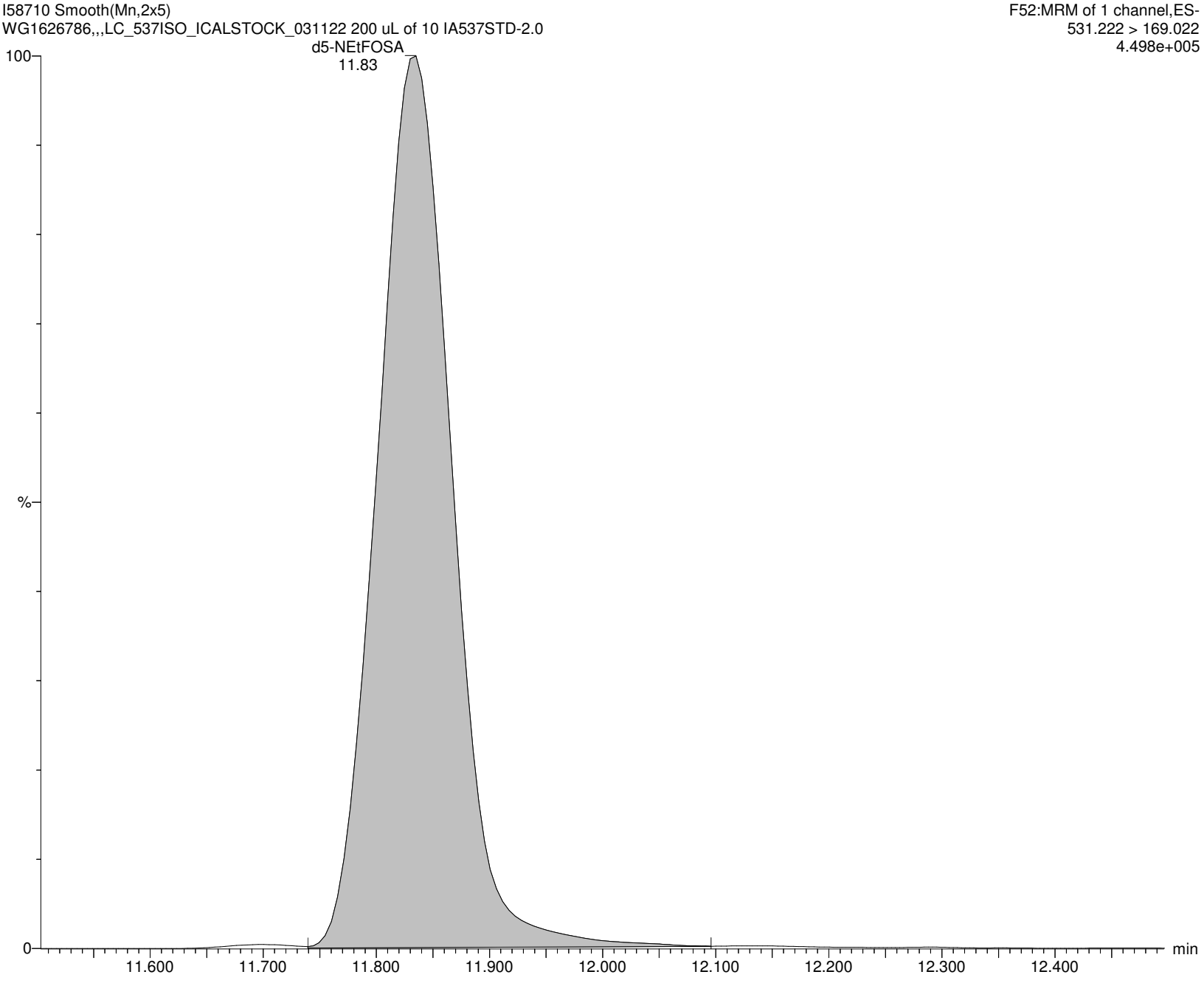


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,4
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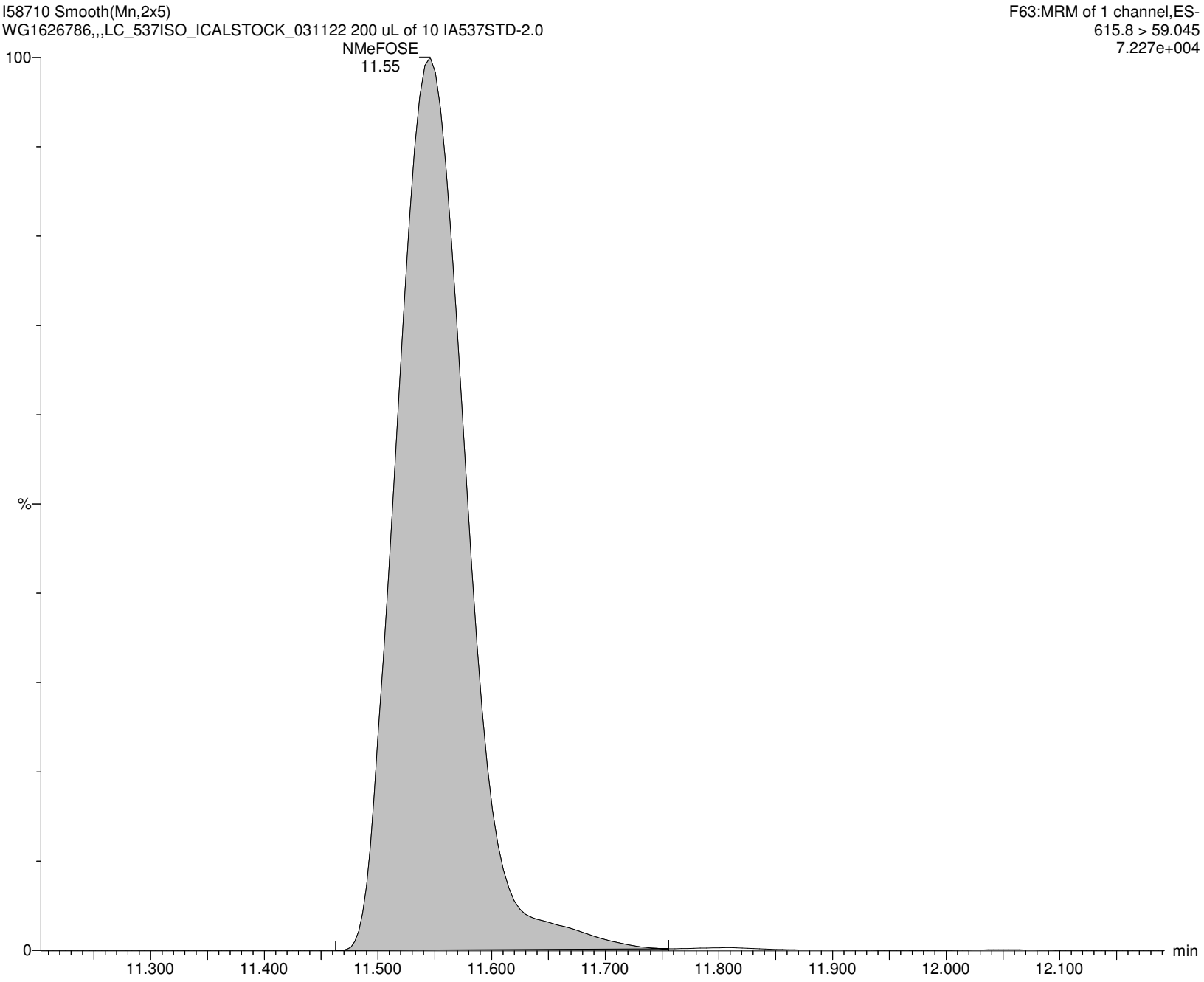


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
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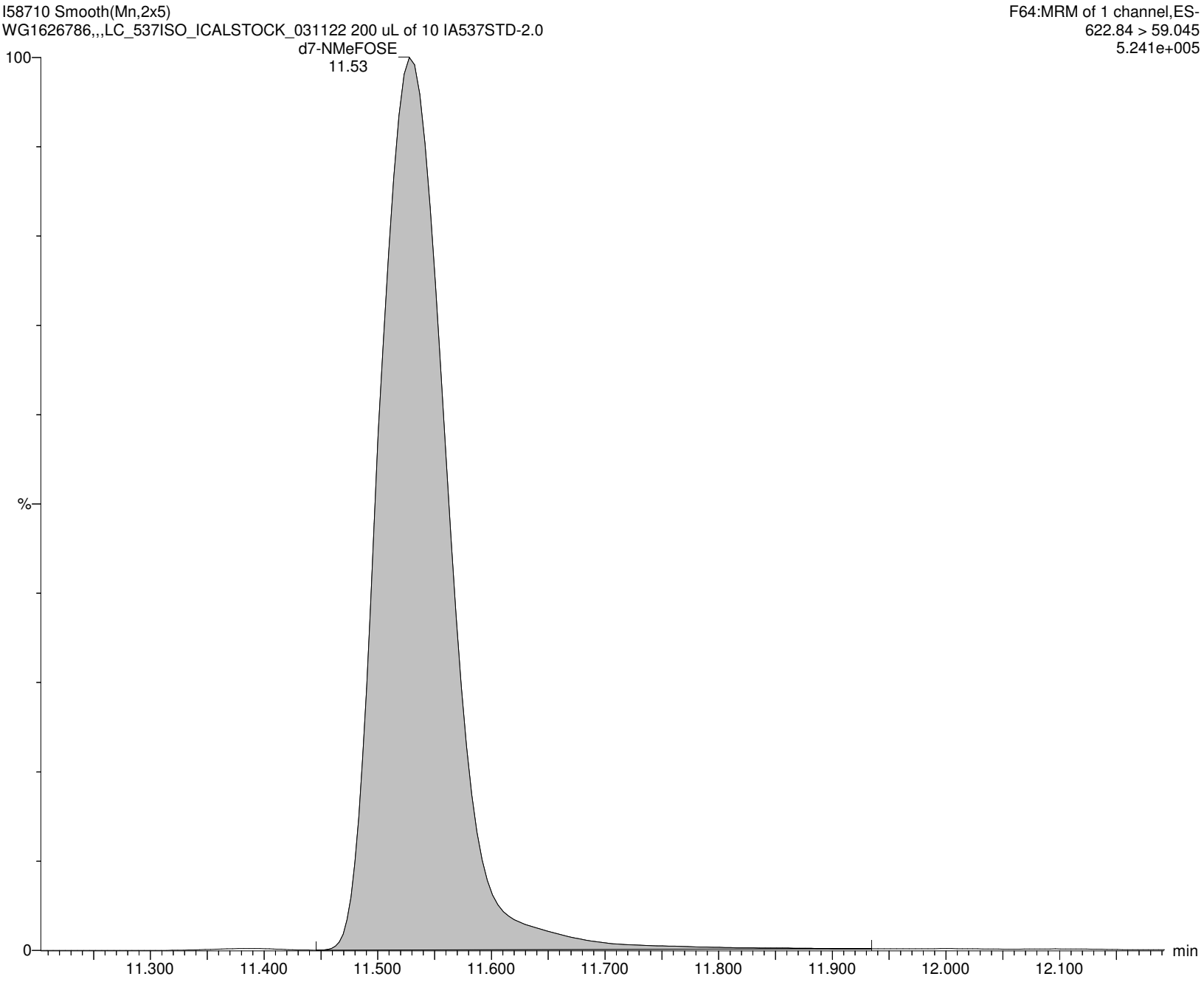


all concentration units in (ng/mL)

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d7-NMeFOSE

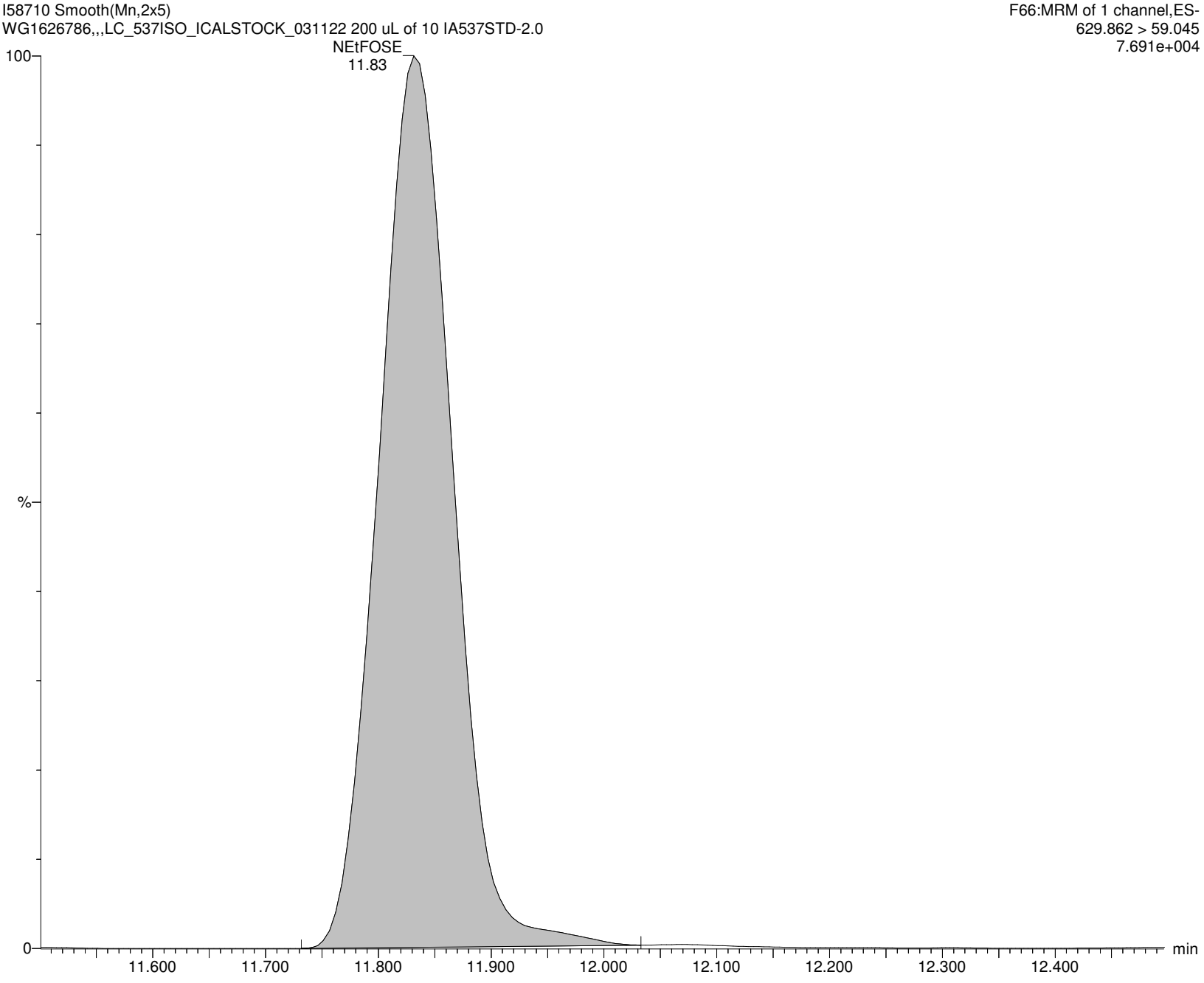


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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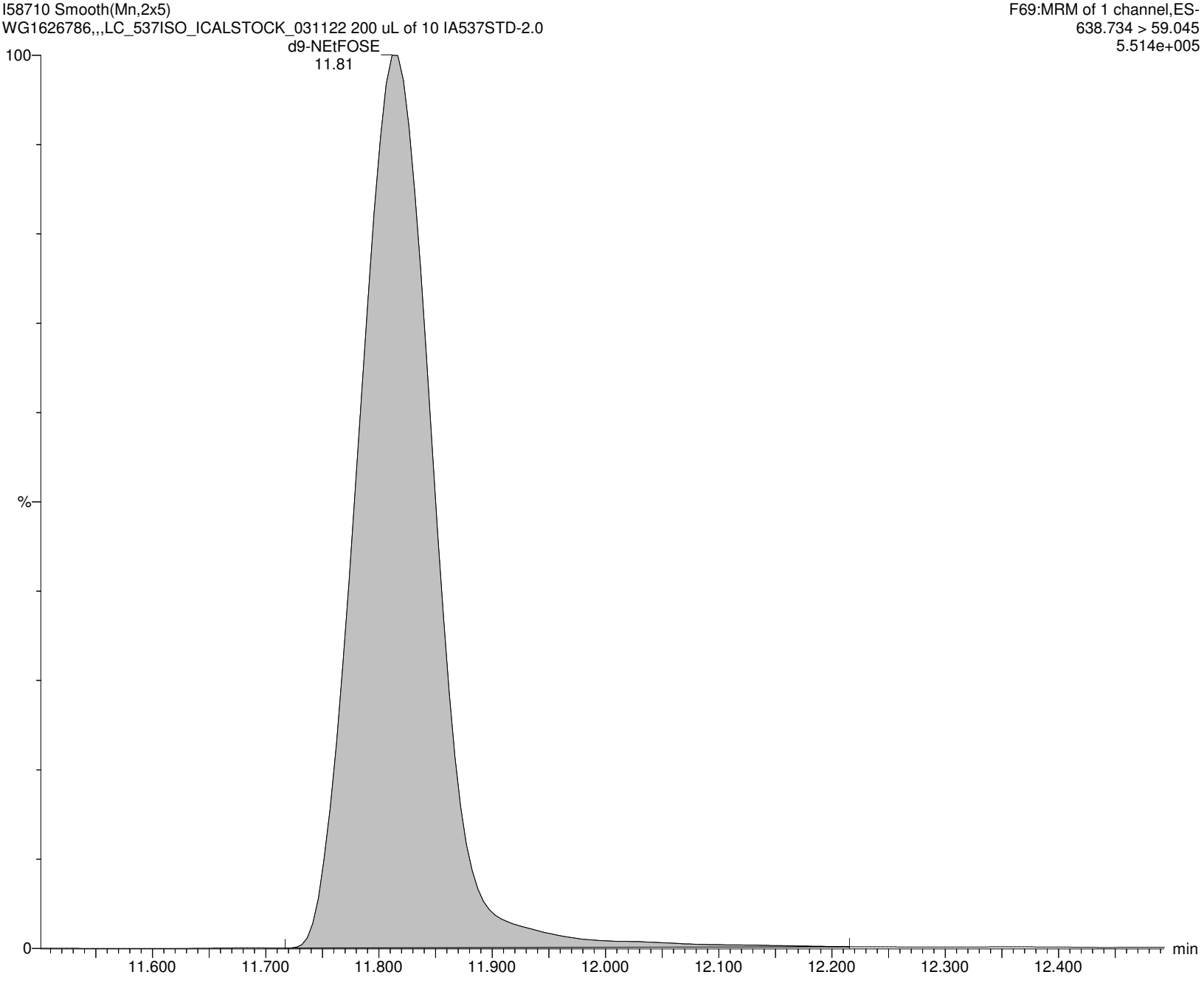


all concentration units in (ng/mL)

Alpha Analytical Inc.
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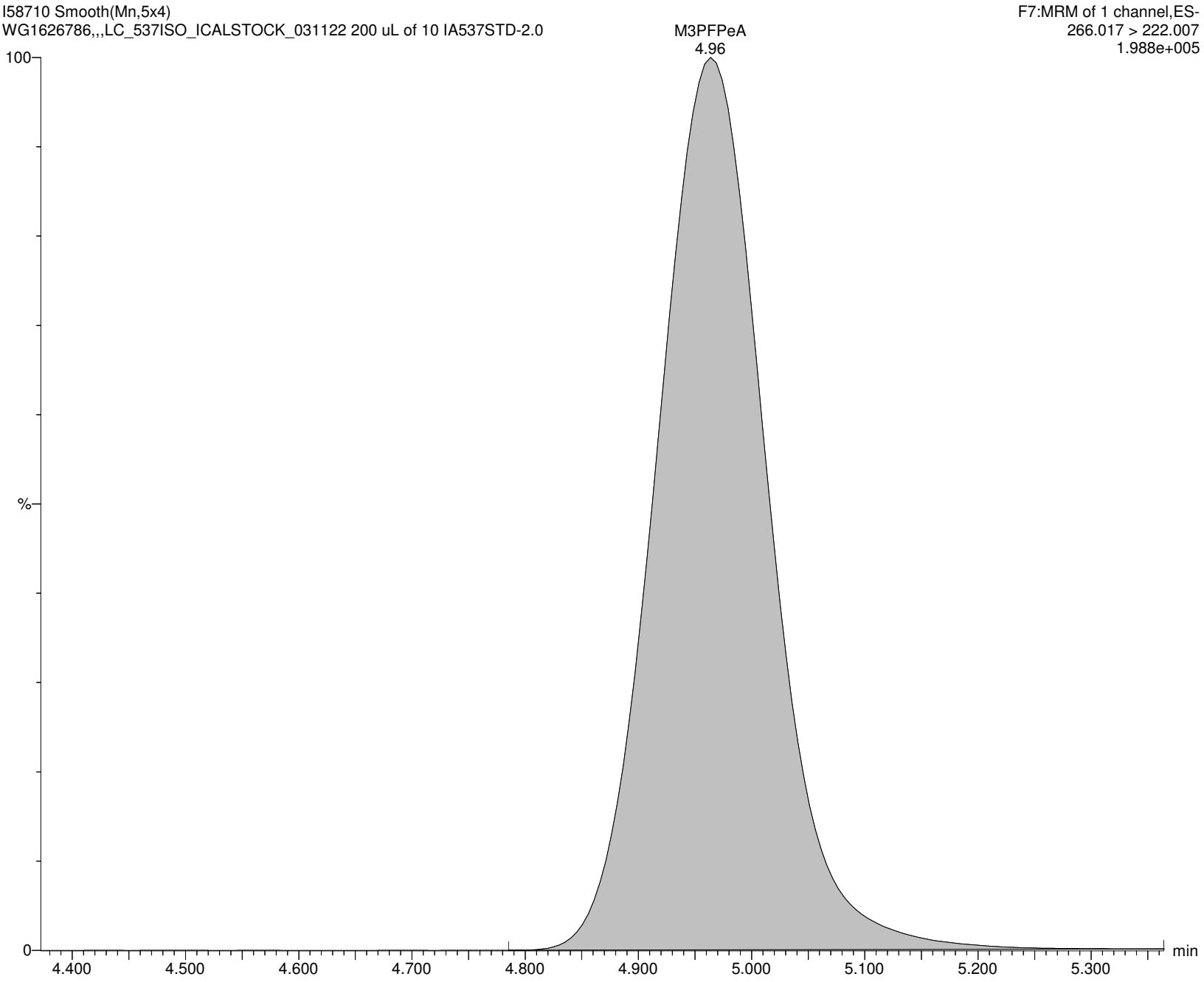


all concentration units in (ng/mL)

Alpha Analytical Inc.
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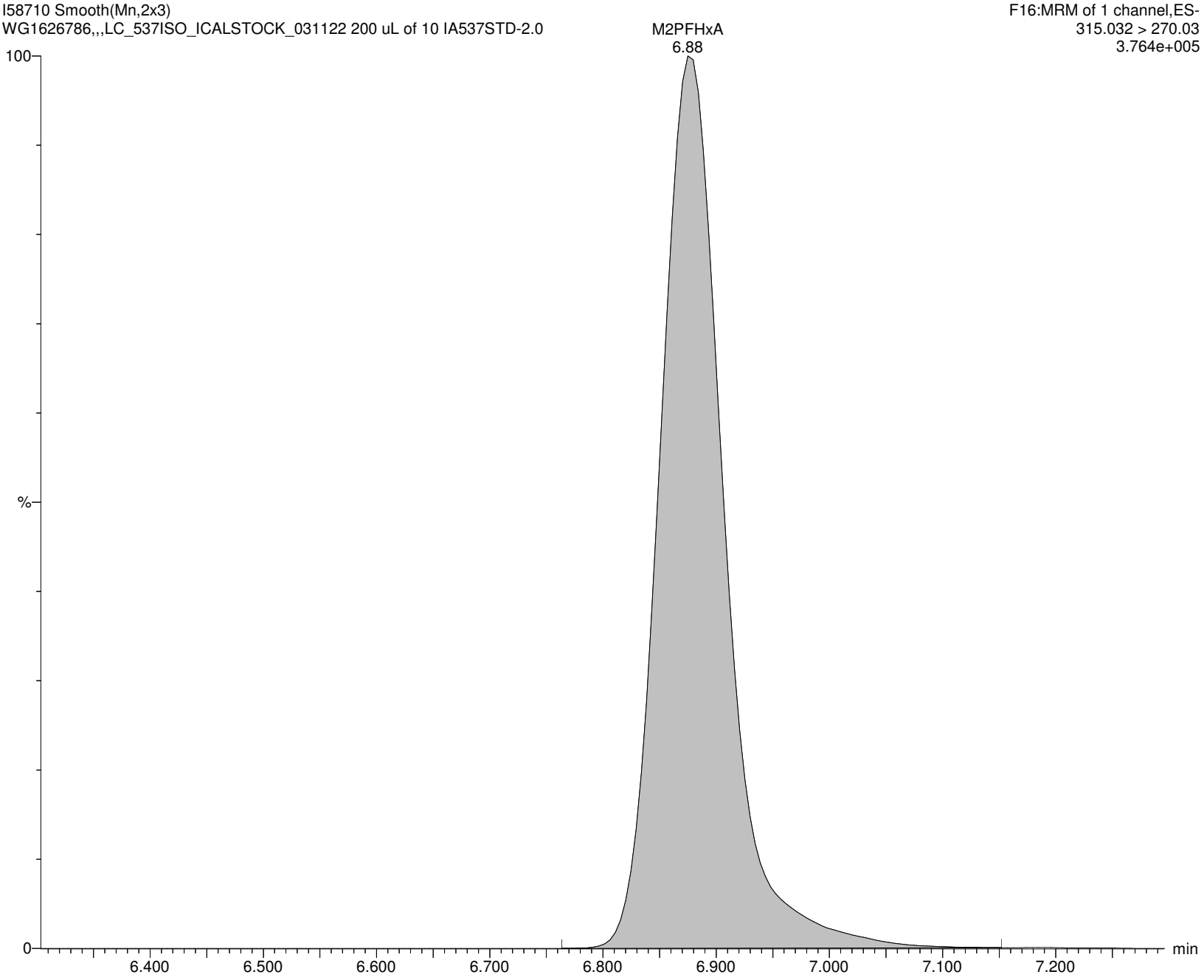


all concentration units in (ng/mL)

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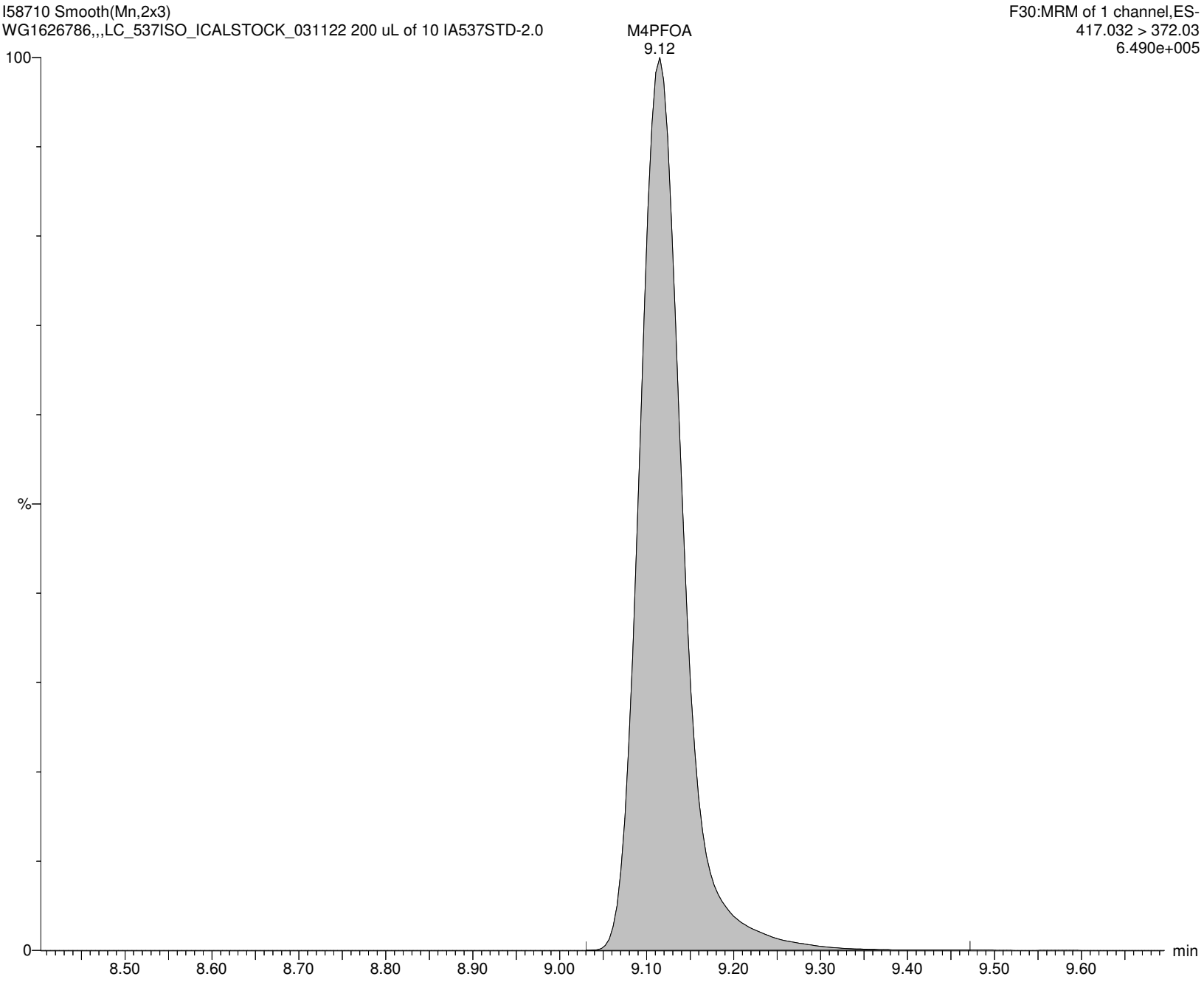


all concentration units in (ng/mL)

Alpha Analytical Inc.
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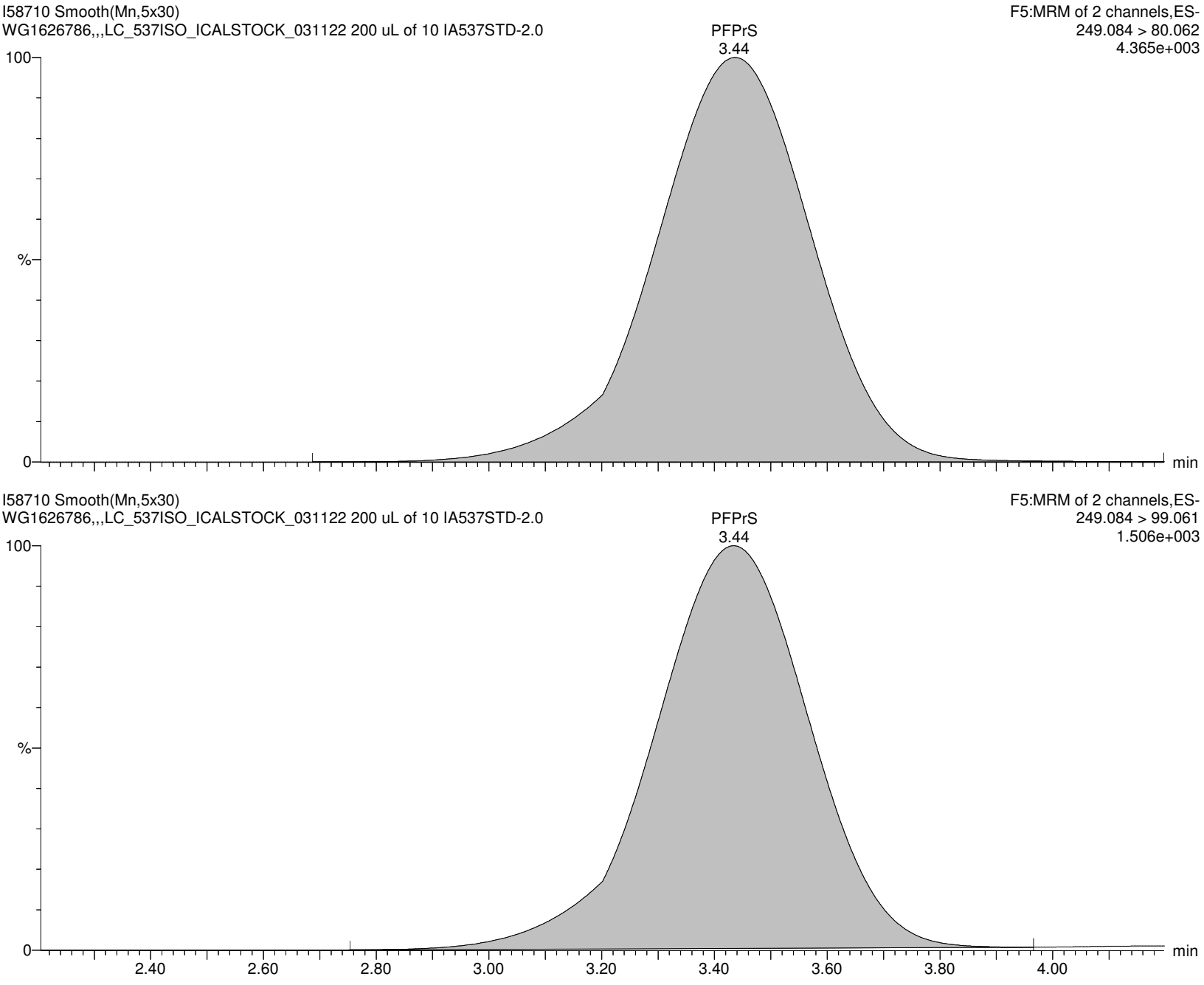


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,4
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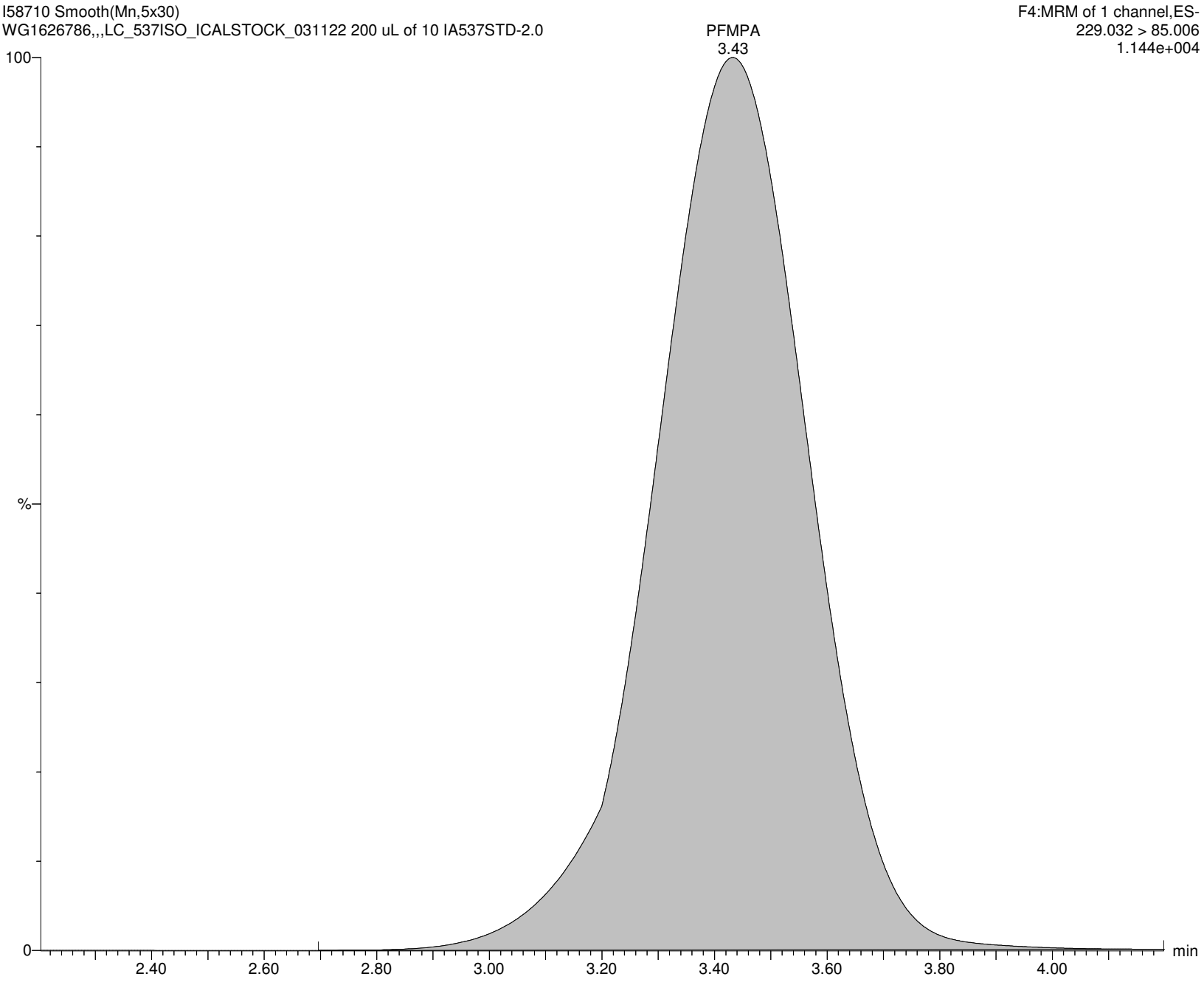


all concentration units in (ng/mL)

Alpha Analytical Inc.
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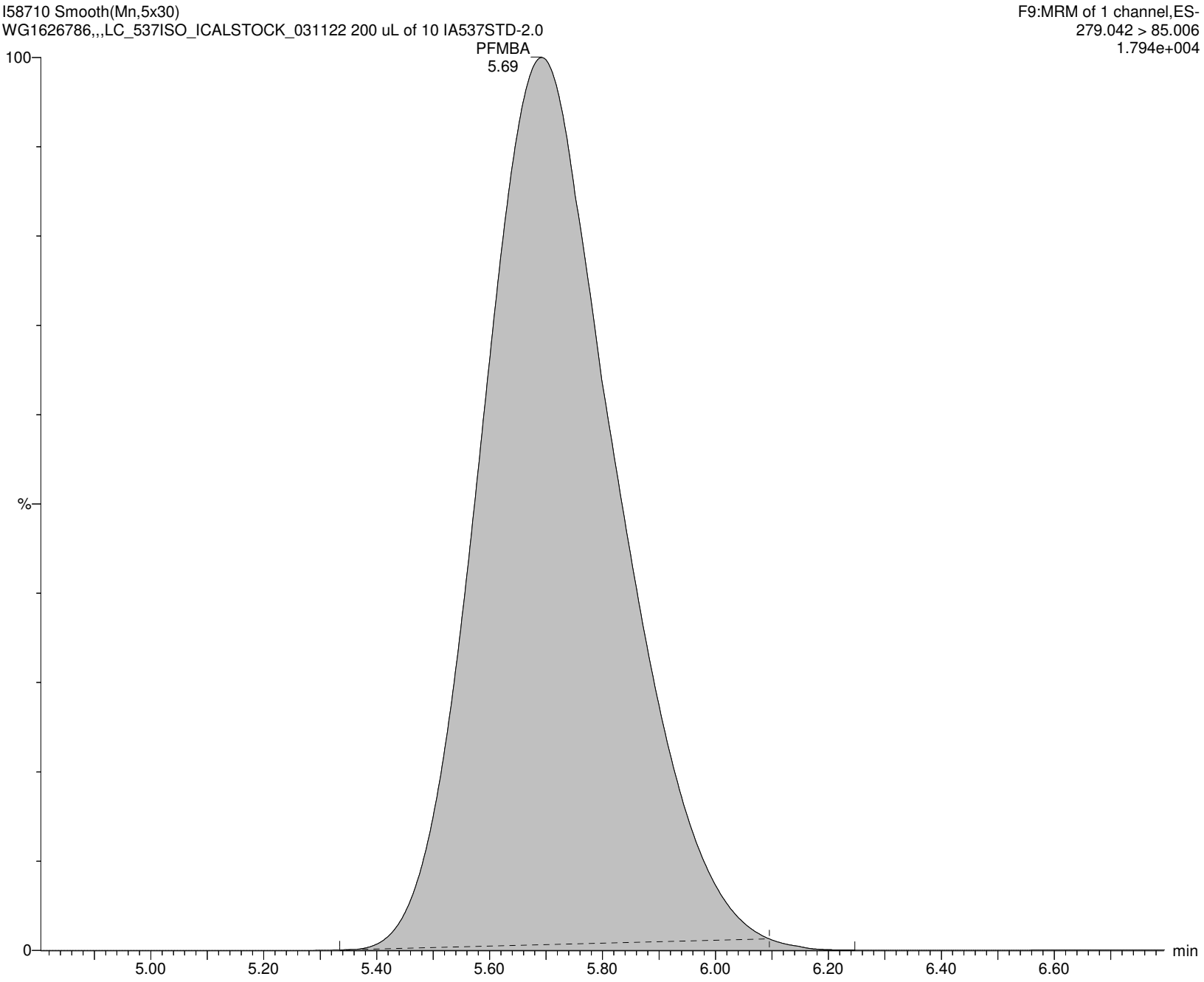


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,4
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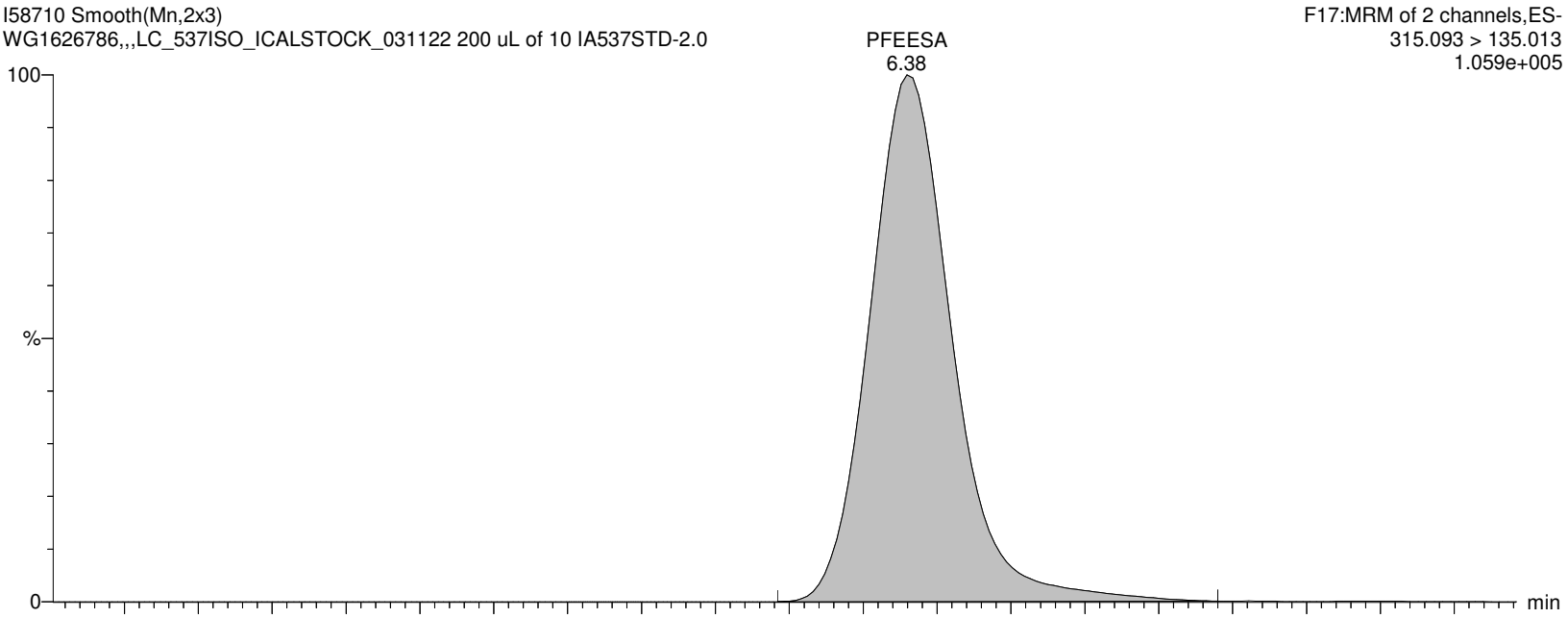


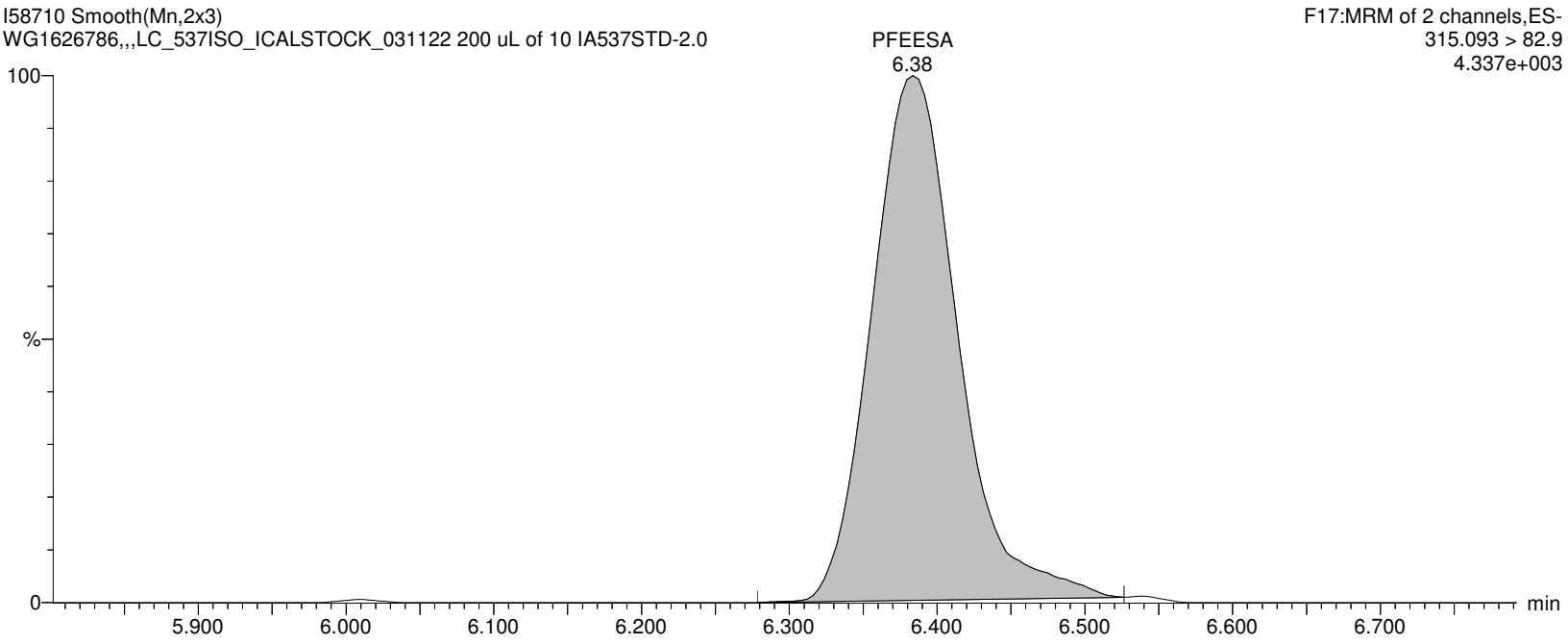
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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PFEESA



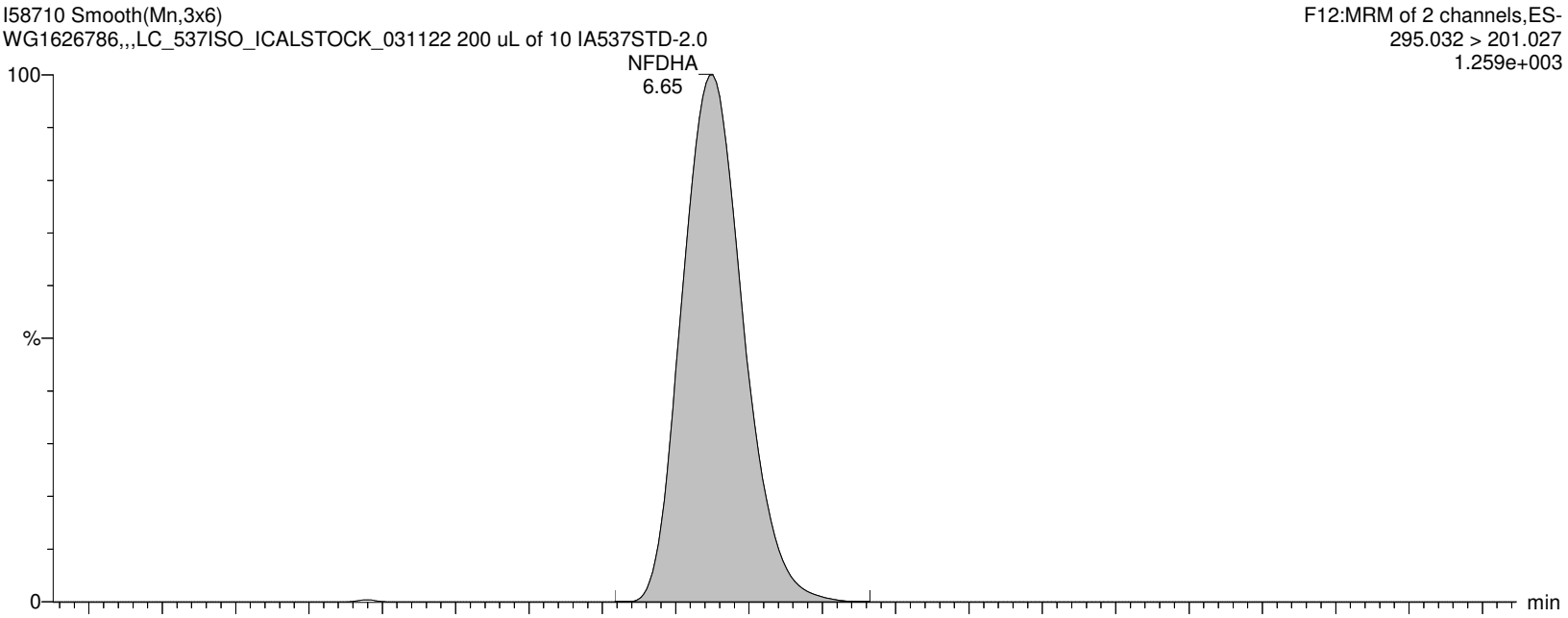


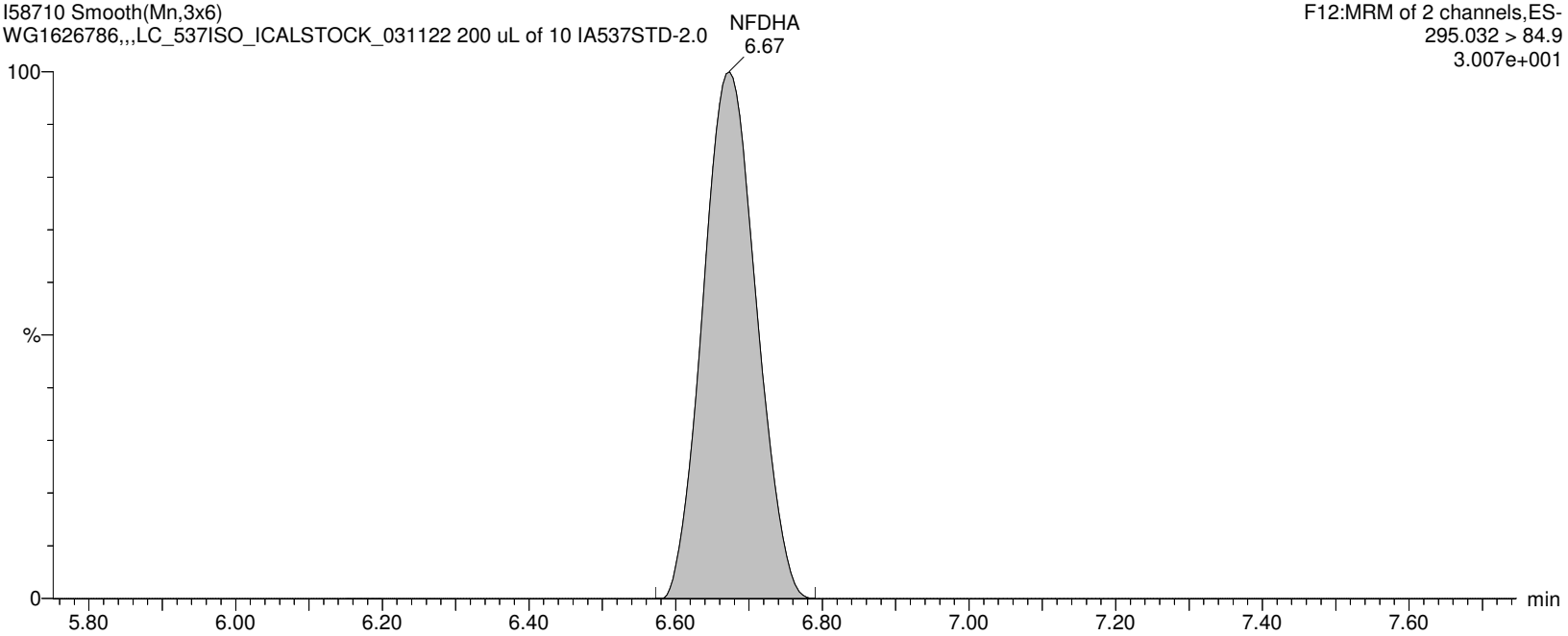
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	12235		4.851		na	97.0
2	M3PFBA	INT STD	2.11	216.009 > 171.999	26276		10.316		na	103.2
3	MPFBA	INT STD	2.11	217.001 > 171.999	29397		10.029		na	100.3
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	13884		4.878		na	97.6
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	36847		10.233		na	102.3
6	PFBS	375-73-5	5.63	299.092 > 80.062	3236		4.367	1.94	NO	98.5
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6698		8.915		na	95.7
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	1317		4.378	2.61	NO	93.4
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2820		8.408		na	89.6
10	PFHxA	307-24-4	6.88	313.047 > 269.037	21637		4.829	17.44	NO	96.6
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	46081		9.859		na	98.6
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	3339		4.720	2.57	NO	100.3
13	PFHpA	375-85-9	8.16	363.055 > 319.045	27266		4.771	6.62	NO	95.4
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	56812		10.157		na	101.6
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	437	M5,M7	0.821	1.98	NO	86.9
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	2313		3.772	1.71	NO	93.0
17	PFHxS	355-46-4		399.107 > 80.062	2749		4.593		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	6577		9.335		na	98.5
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	35900		4.780	9.83	NO	95.6
21	PFOA	335-67-1		412.8430 > 368.9430	35900		4.780		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	76294		10.110		na	101.1
23	M2PFOA	INT STD	9.11	414.828 > 369.935	69762		10.698		na	107.0
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	1252		4.908	3.76	NO	103.2
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2481		8.232		na	86.6
26	PFHpS	375-92-8	9.21	449.115 > 80.062	2039		4.529	1.20	NO	95.0
27	PFNA	375-95-1	9.88	462.8510 > 418.951	29295		4.798	3.78	NO	96.0
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	71689		10.173		na	101.7
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	948	M5,M7	0.956	3.95	NO	90.7
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	2796		3.606	1.71	NO	91.4
31	PFOS	1763-23-1		498.9030 > 79.9520	3744		4.562		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	7165		10.984		na	109.8
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	8653		9.389		na	97.9
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	32388		4.808	7.18	NO	96.2
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	60817		11.330		na	113.3
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	72185		9.950		na	99.5
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	1634		4.855	4.40	NO	101.1
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1634		8.131		na	84.7
39	PFNS	68259-12-1	10.54	549.131 > 80.062	1876		4.600	1.40	NO	95.6

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User: LCMS02:MP
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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2807		9.346		na	93.5
41	br-NMeFOSAA		10.74	570.202 > 419.061	133	M5,M7	1.055	0.82	NO	87.9
42	L-NMeFOSAA		10.90	570.202 > 419.061	1189		3.394	1.85	NO	89.3
43	NMeFOSAA	2355-31-9		570.202 > 419.061	1323		4.448		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	33963		5.195	11.65	NO	103.9
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	43180		10.006		na	100.1
46	PFDS	335-77-3	11.07	599.139 > 80.062	2079		5.064	1.75	NO	105.0
47	FOSA	754-91-6	10.93	498.146 > 78.07	6200	M7	4.838	173.99	YES	96.8
48	M8FOSA	INT STD	10.93	506.077 > 78.07	18505		9.128		na	91.3
49	br-NEtFOSAA		11.05	584.229 > 419.061	52	M5,M7	0.638	0.42	NO	56.7
50	L-NEtFOSAA		11.19	584.229 > 419.061	839		3.534	1.24	NO	91.2
51	NEtFOSAA	2991-50-6		584.229 > 419.061	891		4.173		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2353		9.391		na	93.9
53	PFDoA	307-55-1	11.54	613.094 > 569.084	13667		4.914	26.87	NO	98.3
54	MPFDOA	INT STD	11.54	615.079 > 570.077	24876		9.073		na	90.7
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	12140		5.282	11.96	NO	105.6
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	17895		5.112	9.77	NO	102.2
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	52466		9.060		na	90.6
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	6499		213.981		na	107.0
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	1730		47.164	6.17	NO	94.3
60	ADONA	958445-44-8	8.34	377.06 > 251.028	20190		4.519	27.10	NO	95.6
61	PFHxDA		12.75	813.122 > 768.8565	5078		5.191	17.51	NO	103.8
62	PFODA		12.97	913.411 > 868.7332	977		5.009	20.22	NO	100.2
63	M2PFHxDA		12.75	815.102 > 770.108	8734		8.883		na	88.8
64	PFDoS		11.95	699.154 > 80.062	1209		4.894	2.14	NO	97.9
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1546	M4	17.902		na	91.3
66	10:2FTS		11.55	627.192 > 607.186	451		4.325	1.78	NO	89.5
67	9CL-PF3ONS		10.29	530.862 > 350.843	16861		4.359	2.92	NO	93.4
68	11CL-PFOUdS		11.34	630.862 > 450.854	12684		4.090	3.20	NO	86.8
69	NMeFOSA		11.54	512.163 > 169.022	5567		22.212	1.95	NO	88.8
70	d3-NMeFOSA		11.54	515.183 > 169.022	29323		94.060		na	94.1
71	NEtFOSA		11.84	526.192 > 169.022	6724		22.104	4.27	NO	88.4
72	d5-NEtFOSA		11.84	531.222 > 169.022	35410		94.723		na	94.7
73	NMeFOSE		11.55	615.8 > 59.045	12485		12.387		na	99.1
74	d7-NMeFOSE		11.53	622.84 > 59.045	36431		98.174		na	98.2
75	NEtFOSE		11.84	629.862 > 59.045	14263		12.277		na	98.2
76	d9-NEtFOSE		11.82	638.734 > 59.045	42710		93.343		na	93.3
77	M3PFPeA		4.96	266.017 > 222.007	21571		10.385		na	103.8
78	M2PFHxA		6.88	315.032 > 270.03	23990		10.426		na	104.3
79	M4PFOA		9.11	417.032 > 372.03	36283		10.566		na	105.7
80	PFPrS	423-41-6	3.43	249.084 > 80.062	3683		4.537	2.95	NO	98.6
81	PFMPA		3.43	229.032 > 85.006	9280		5.420		na	108.4
82	PFMBA		5.69	279.042 > 85.006	13096	M4	5.253		na	105.1

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	17188		4.263	21.99	NO	95.8
84	NFDHA		6.66	295.032 > 201.027	312		4.392	161.76	YES	87.8

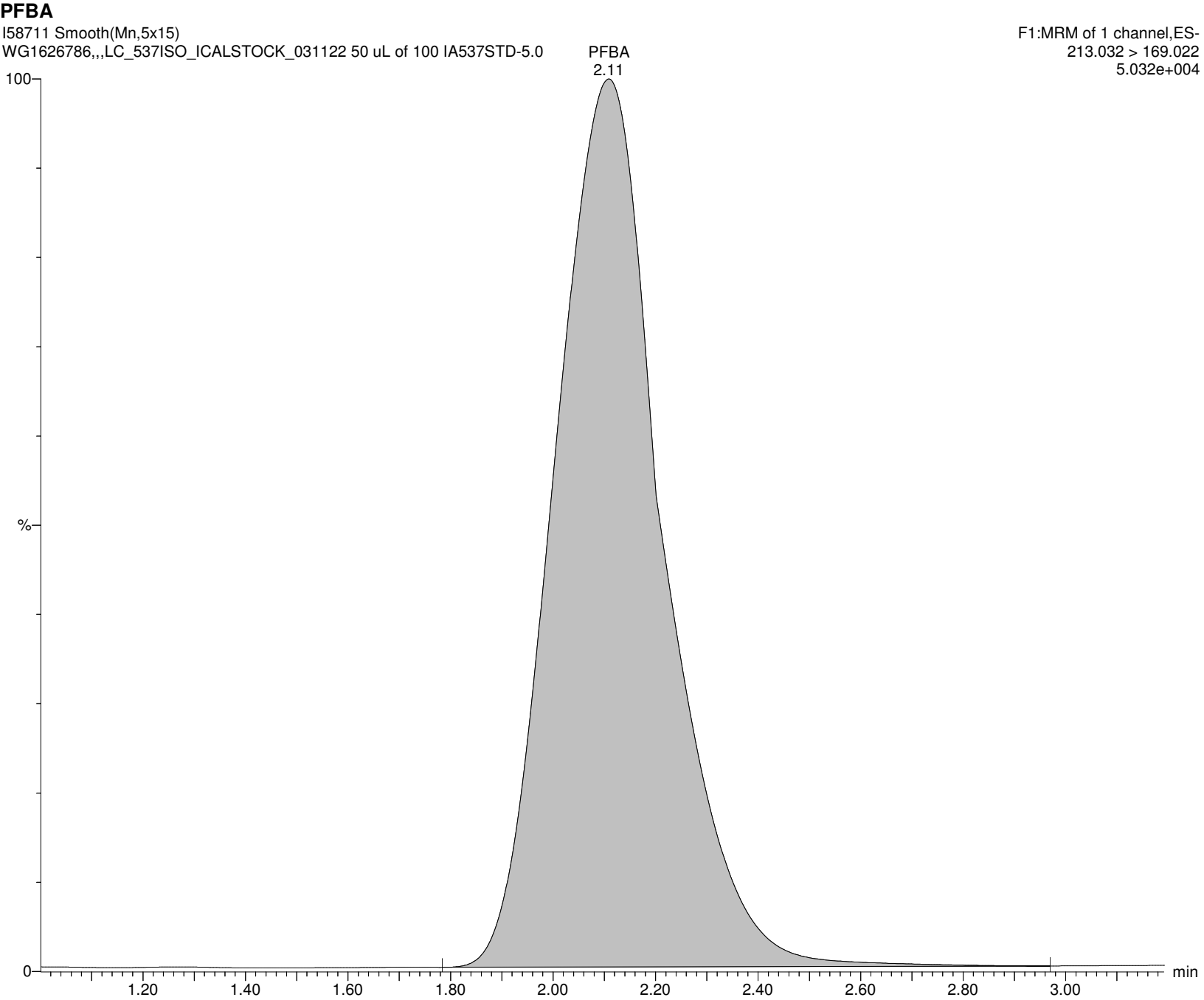
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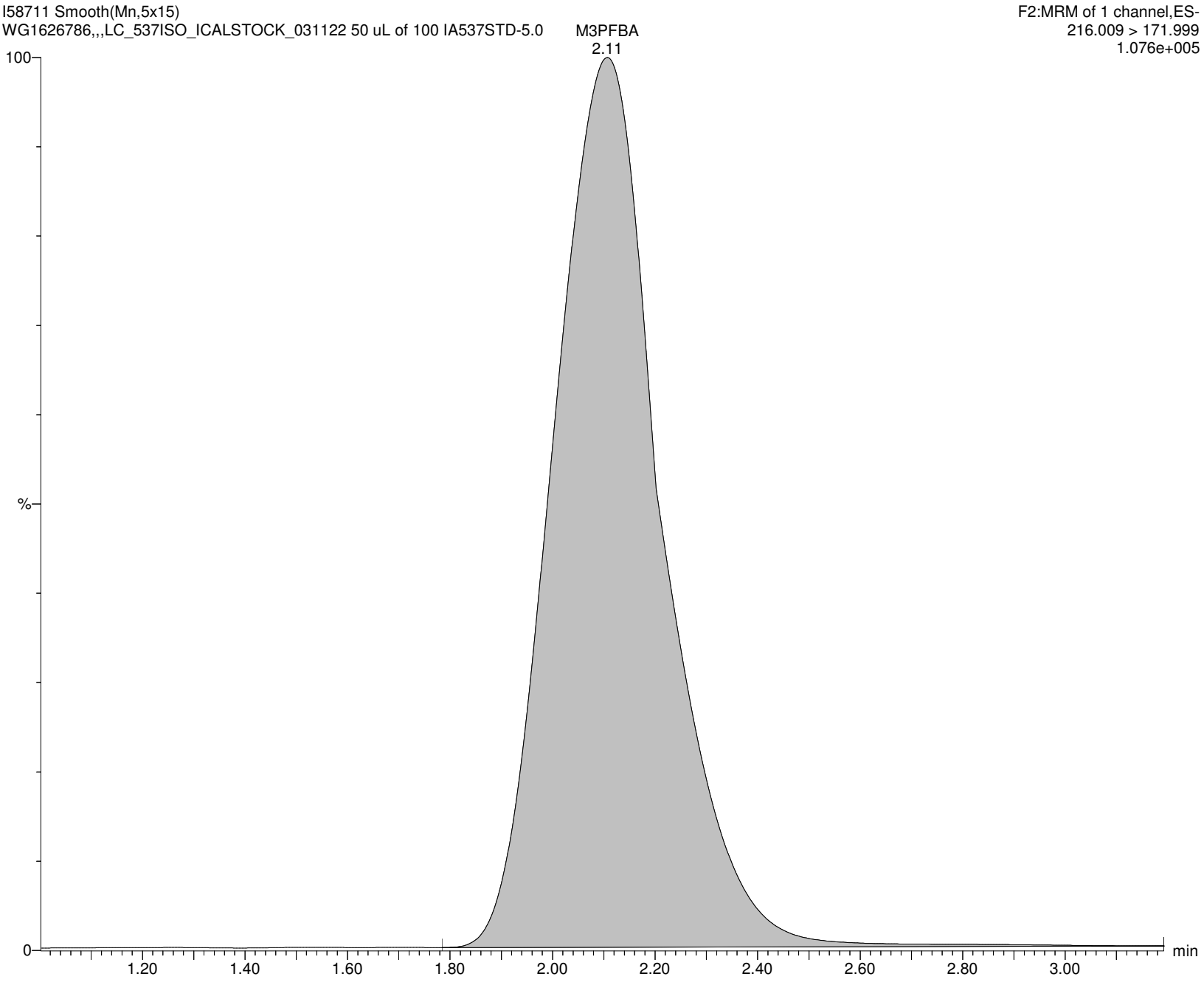


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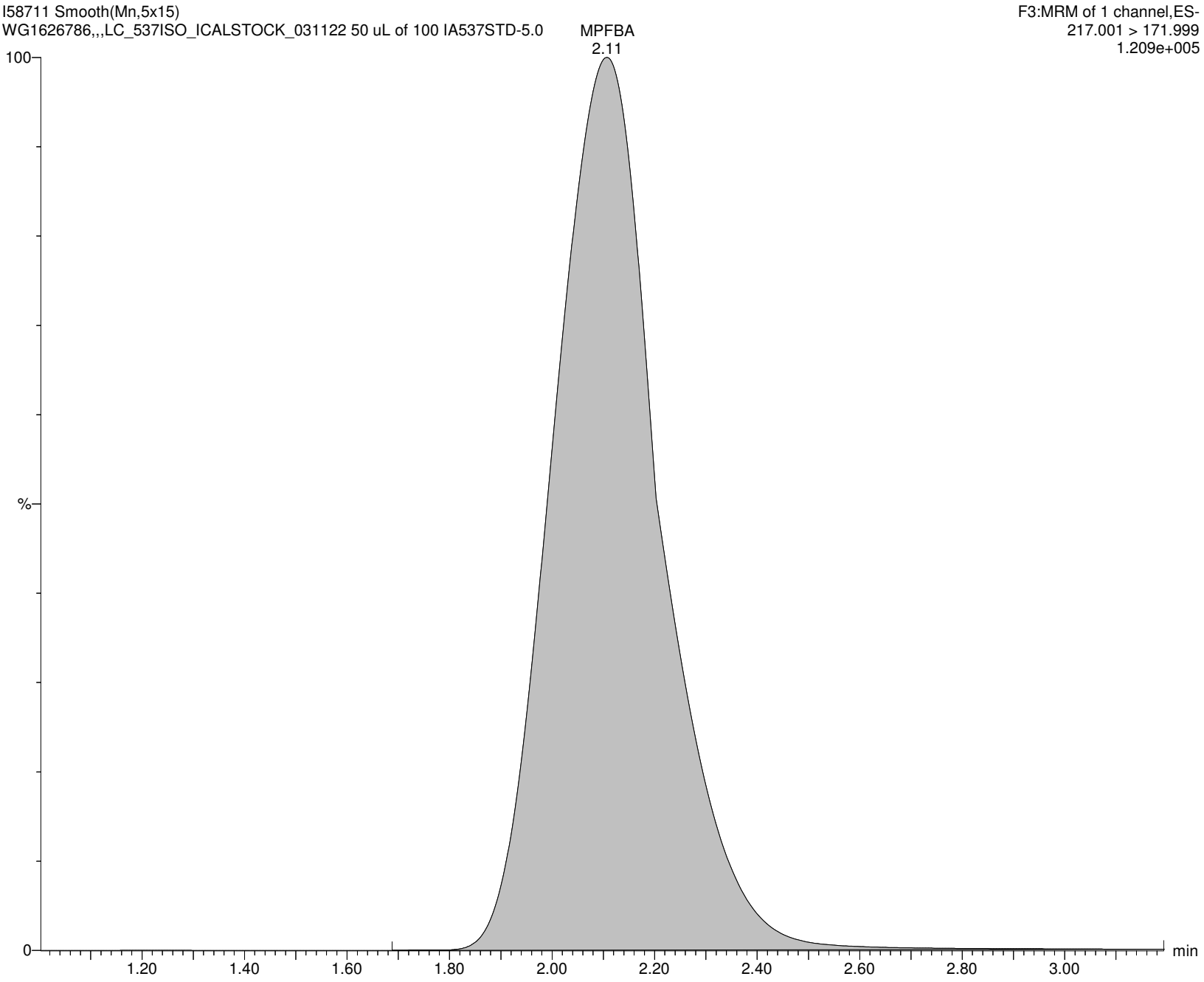


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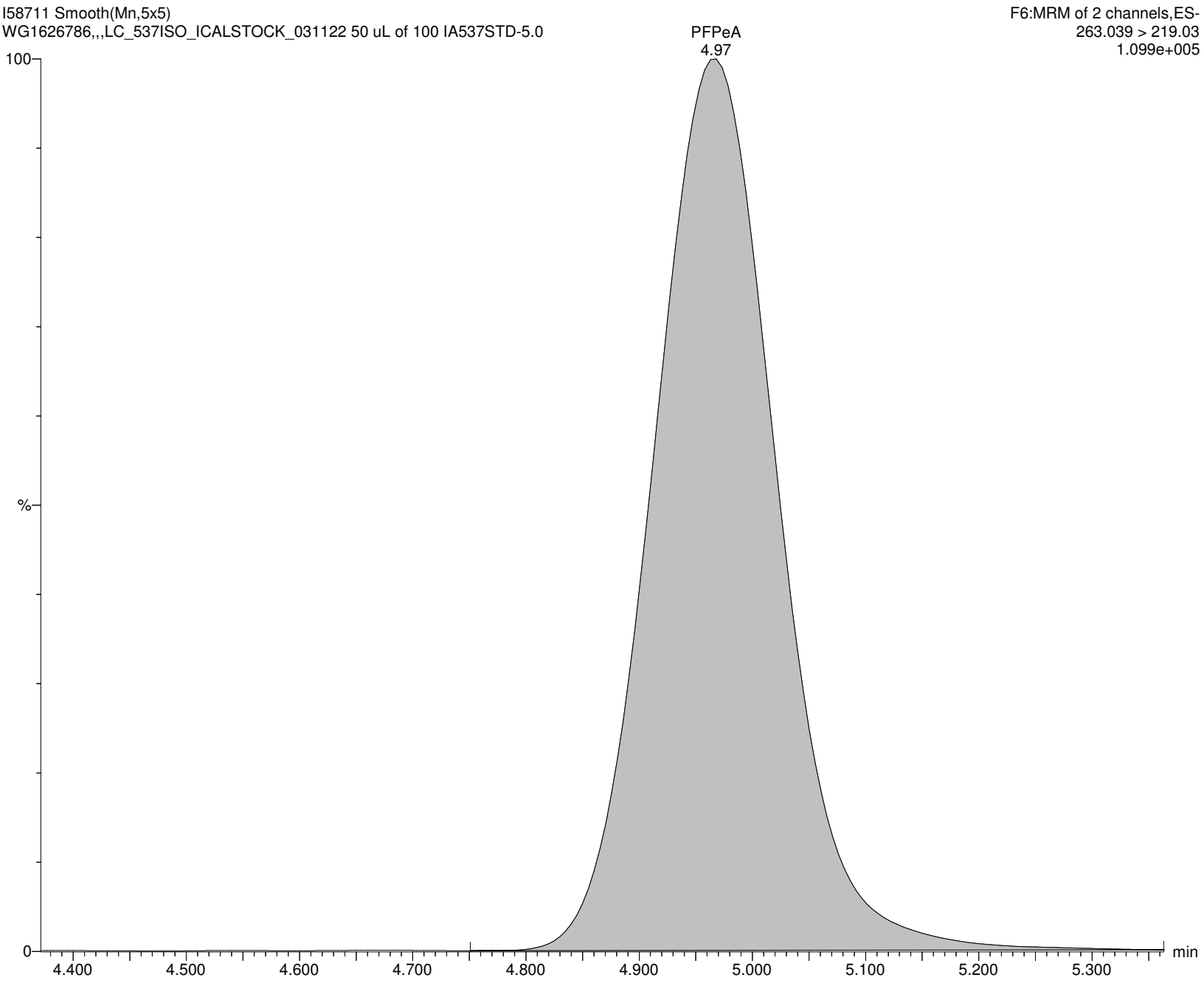


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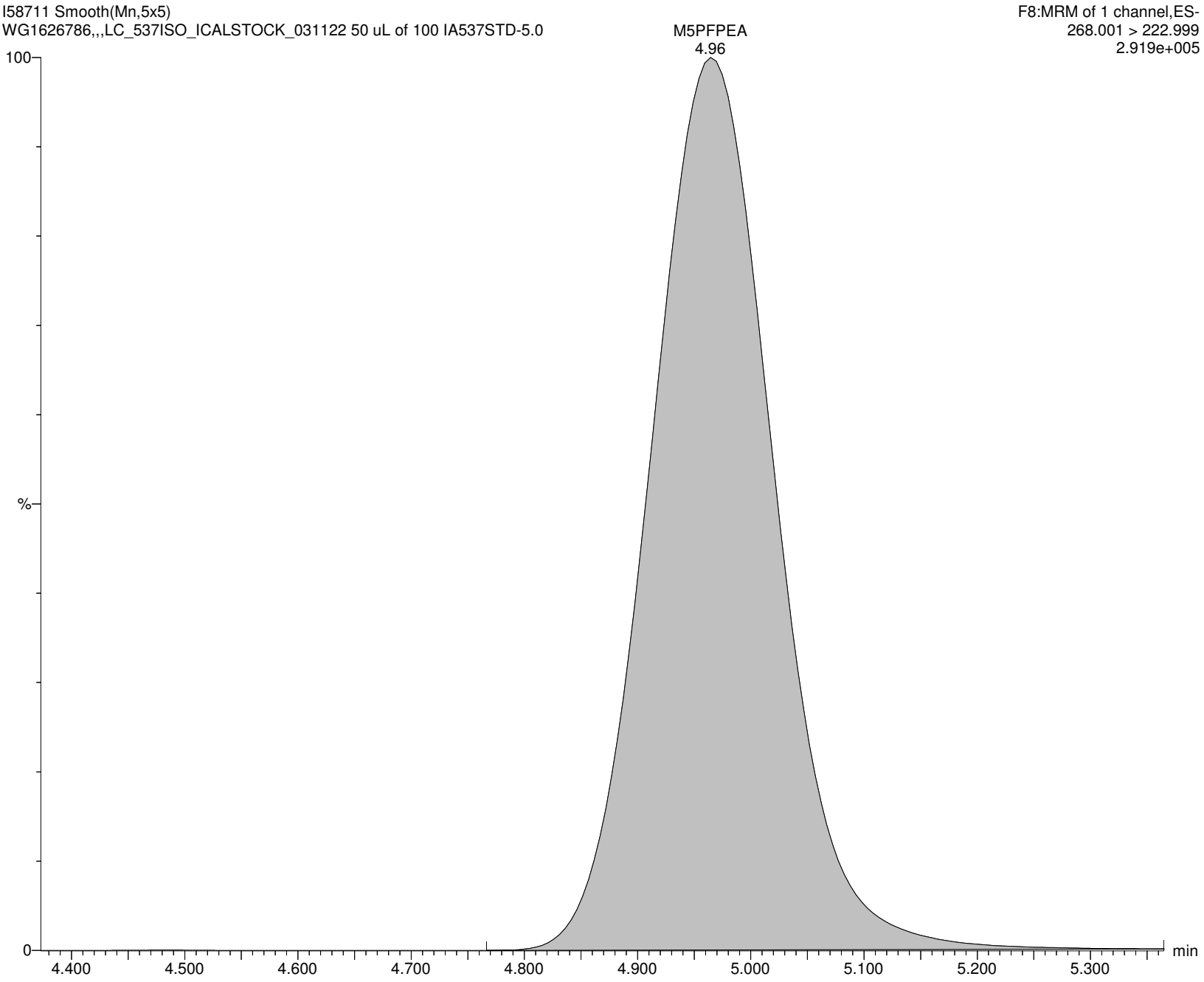


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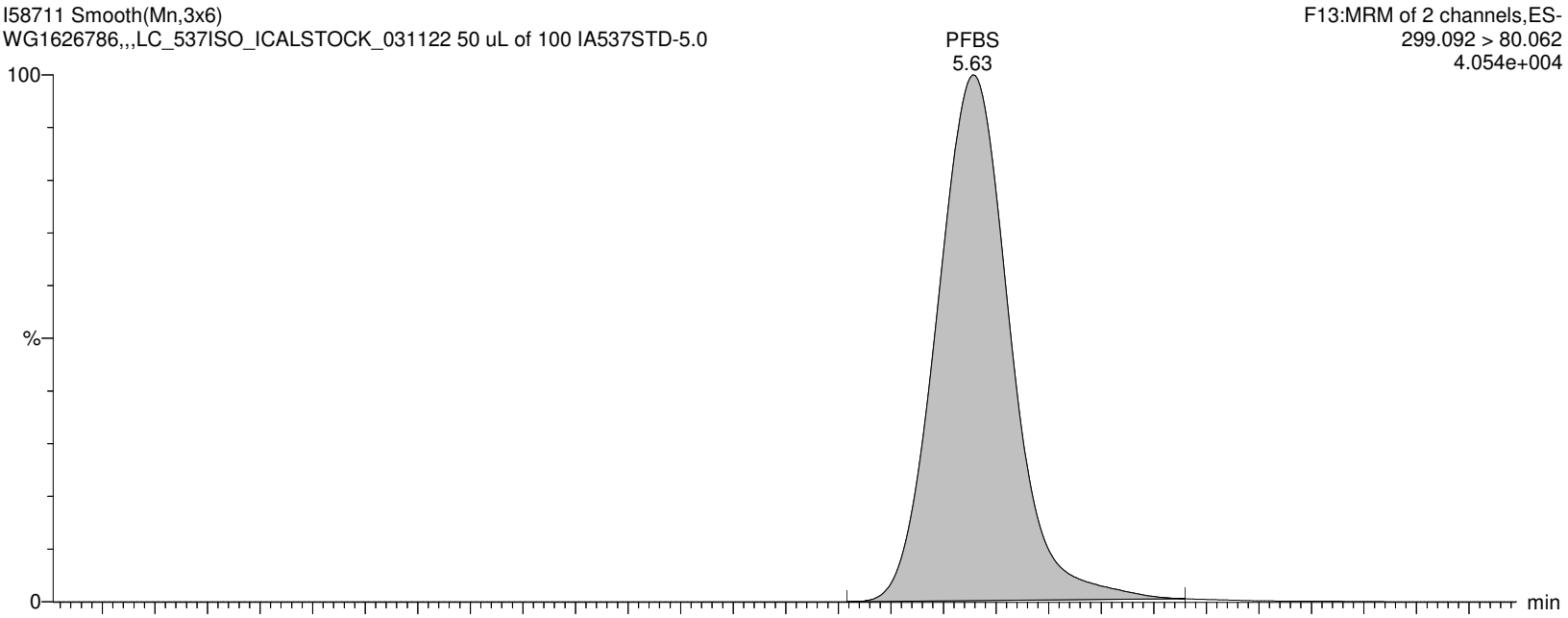


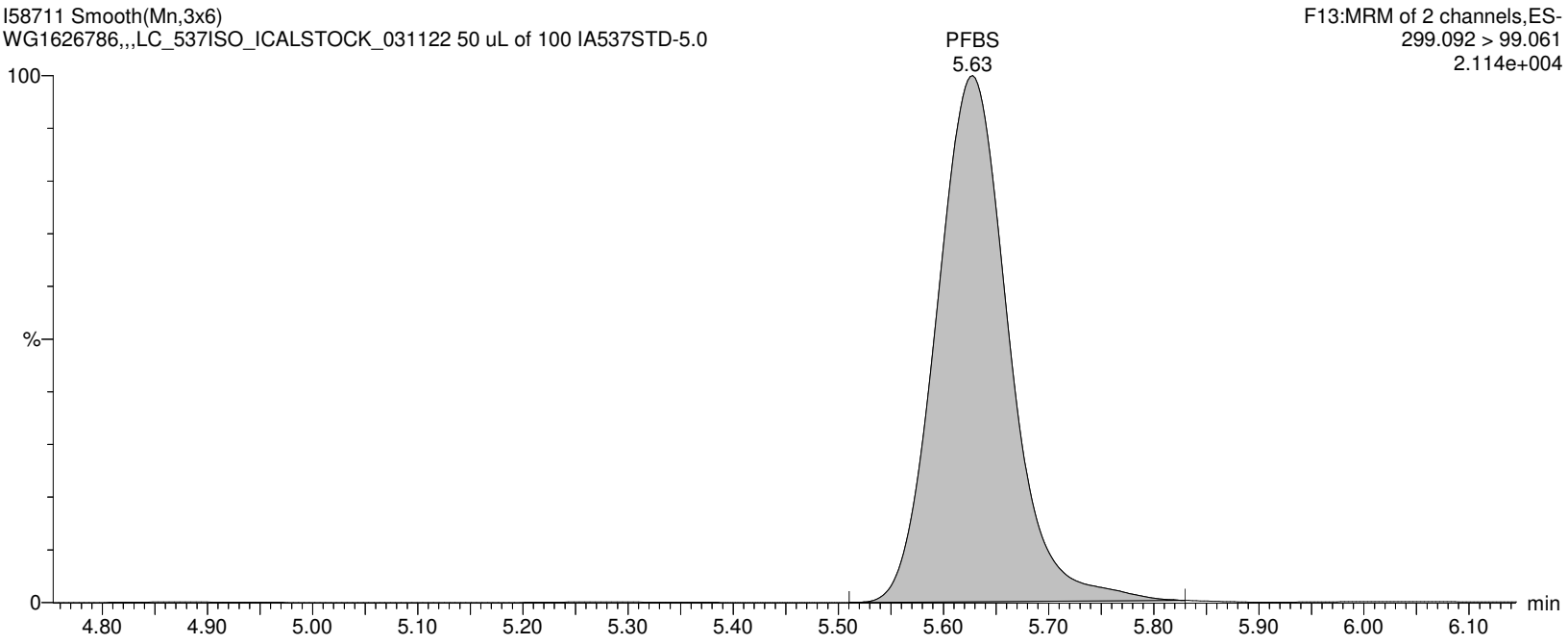
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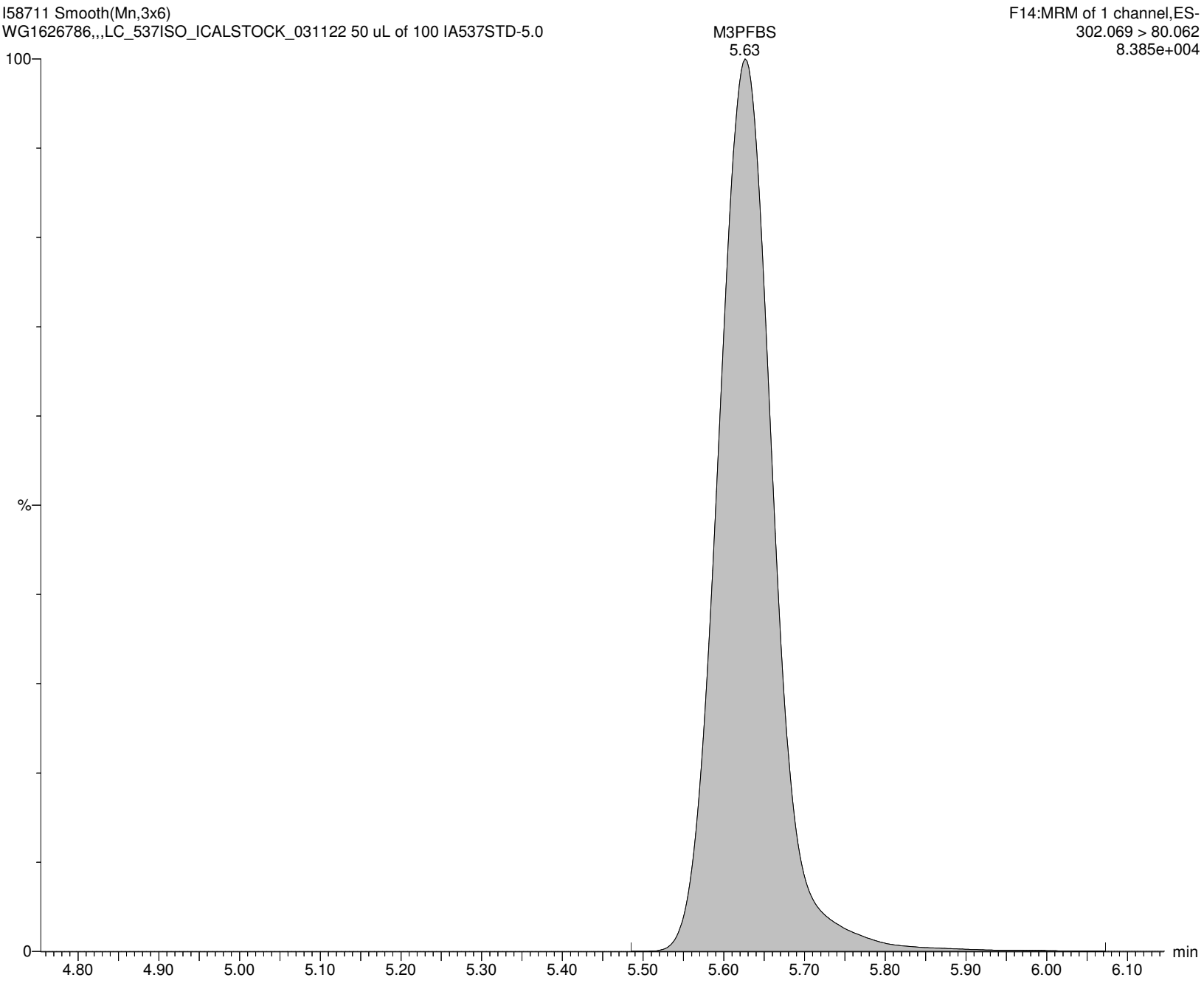


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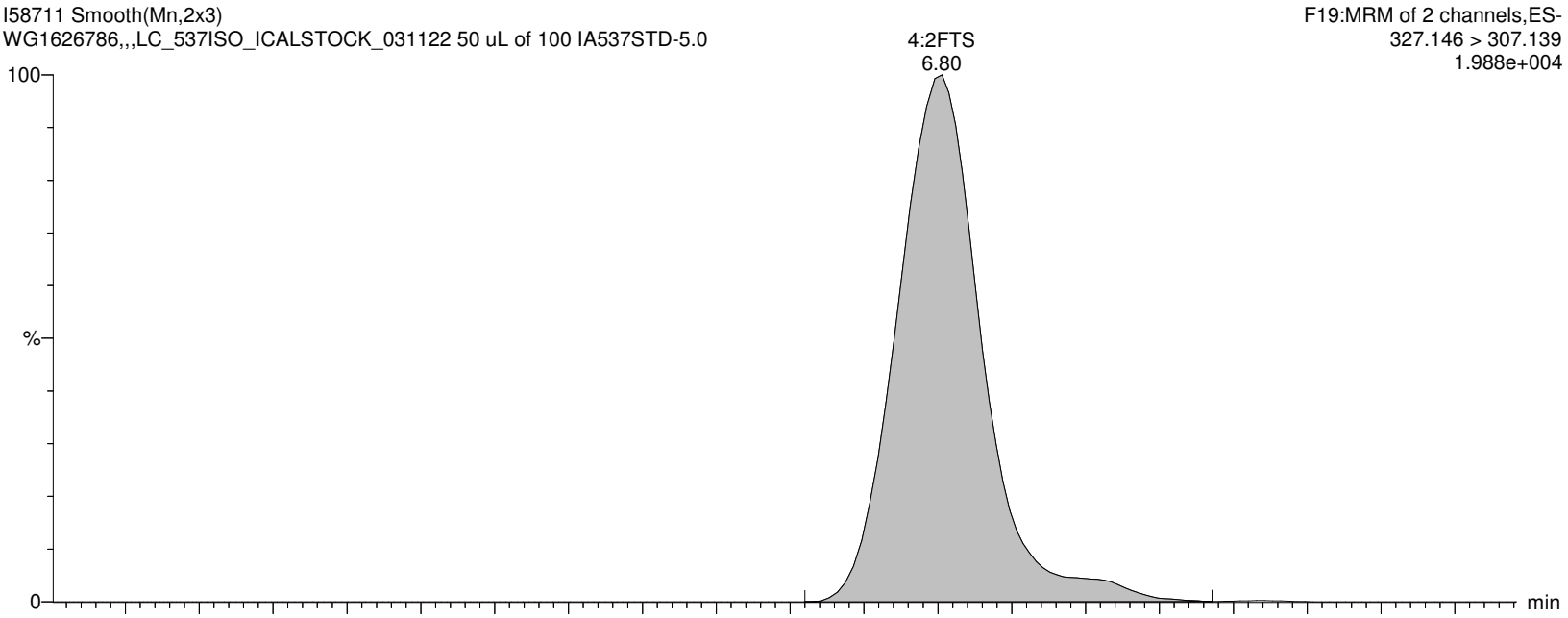


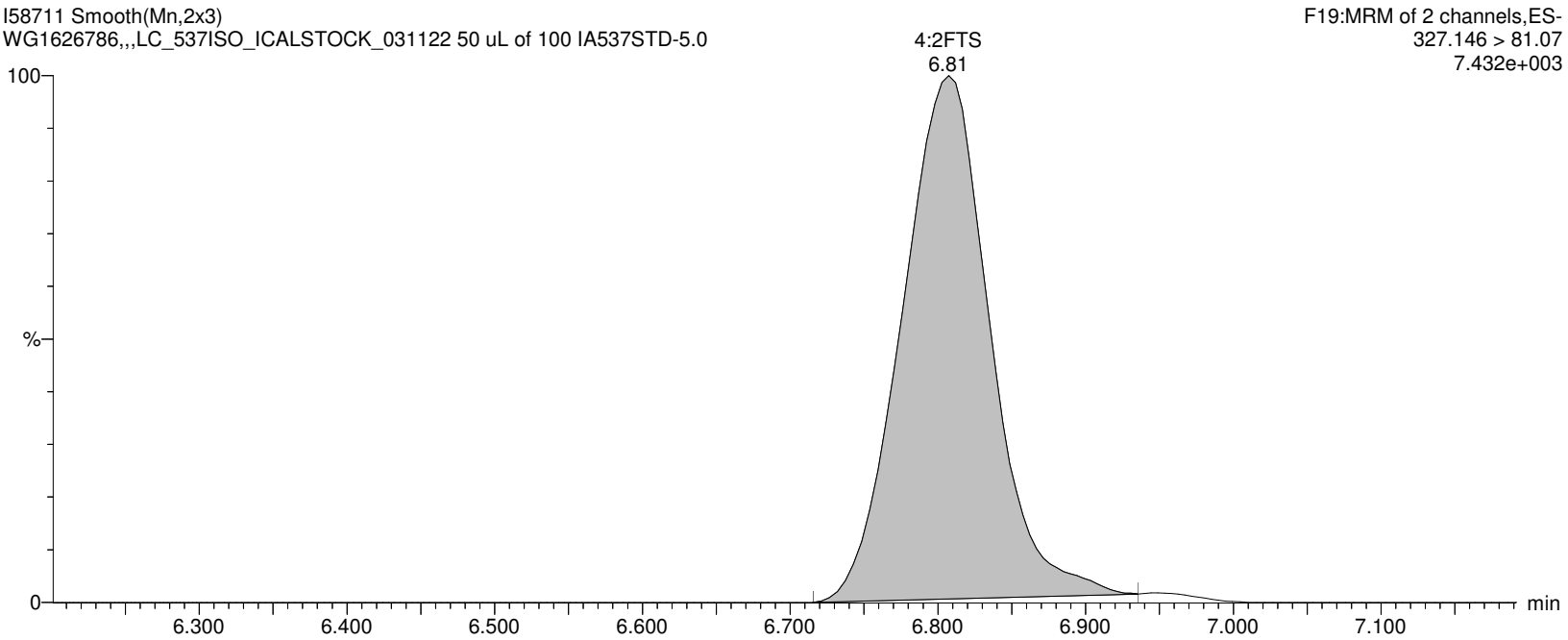
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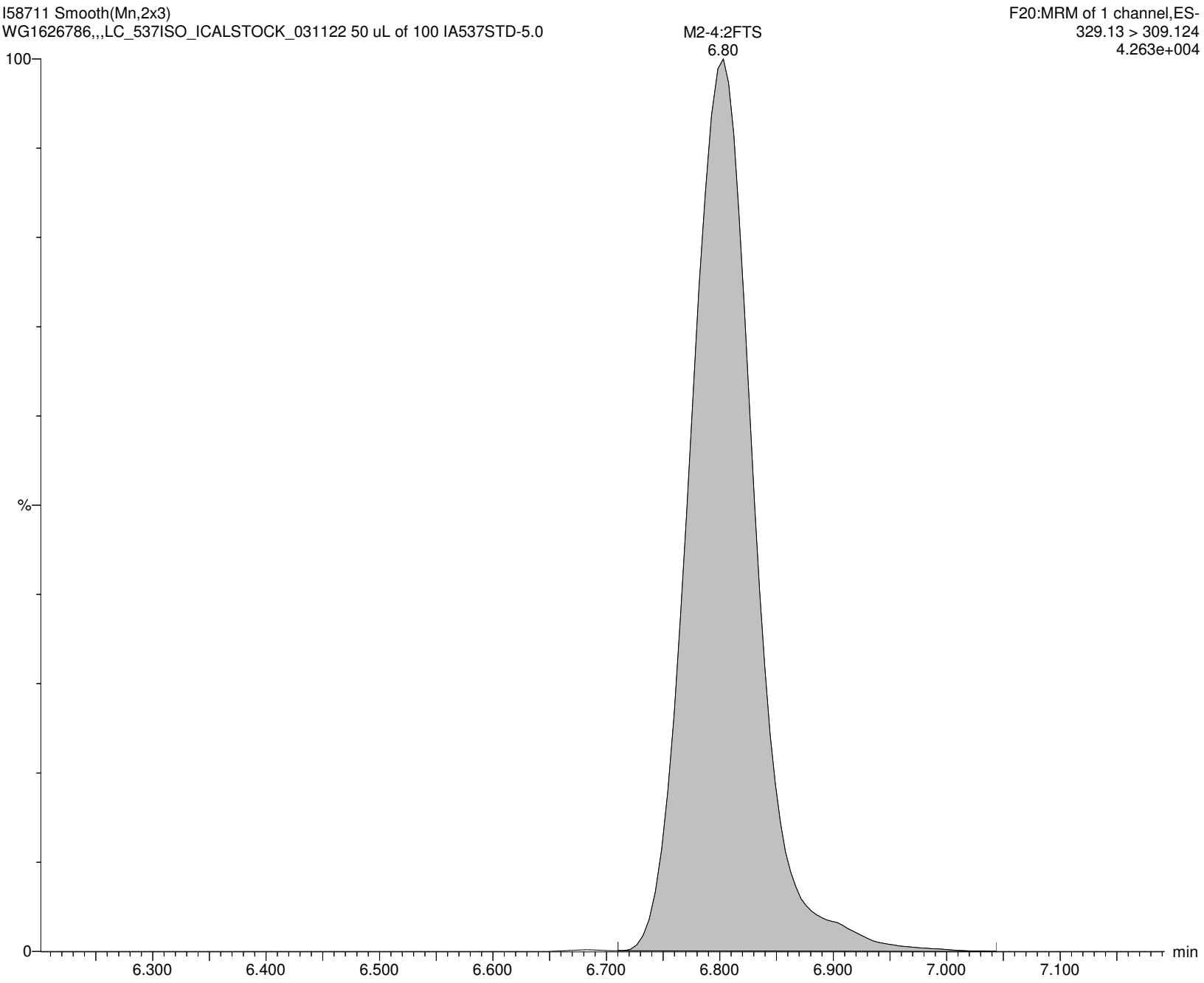


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Vial: 1:A,5
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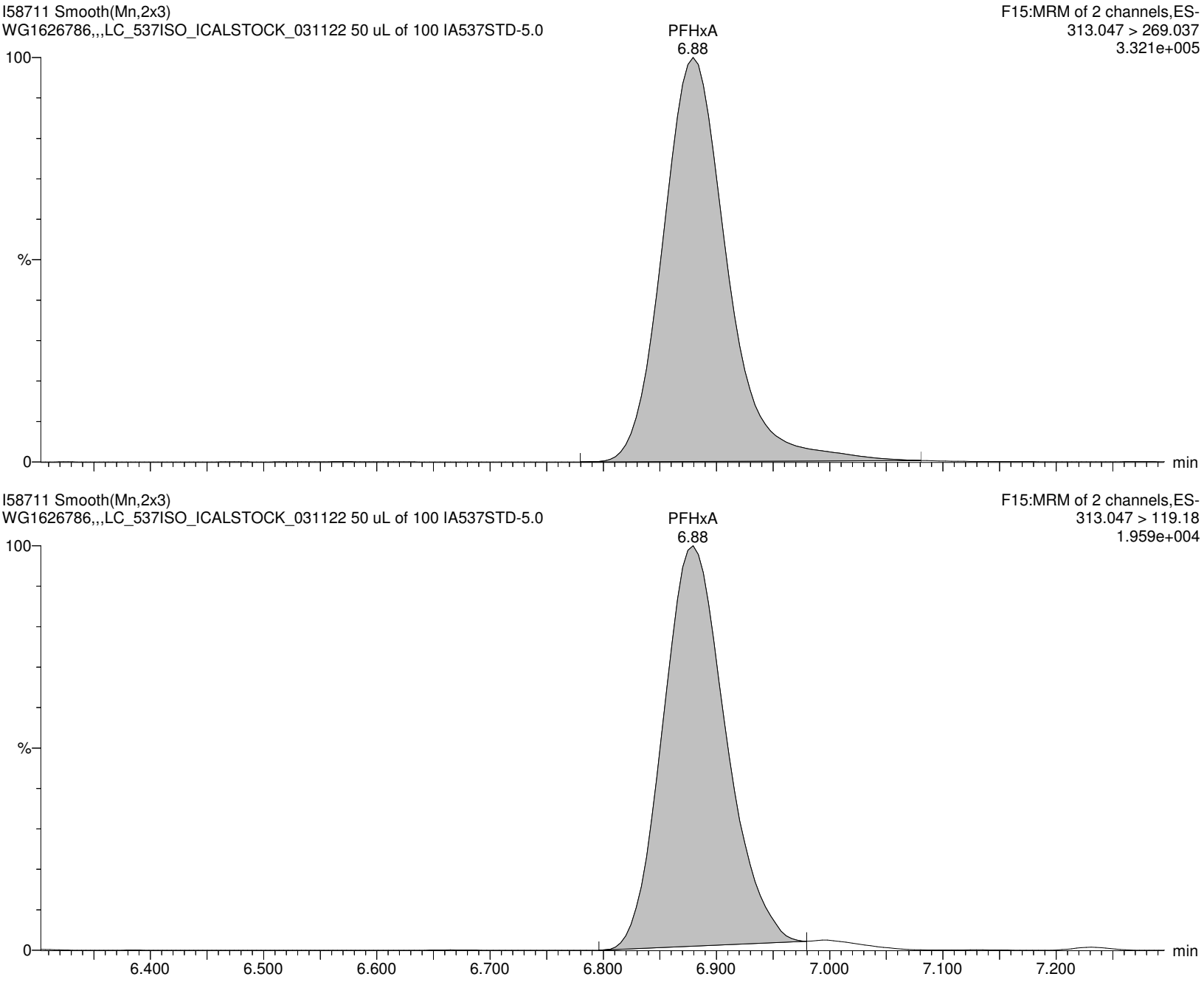


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:06:20
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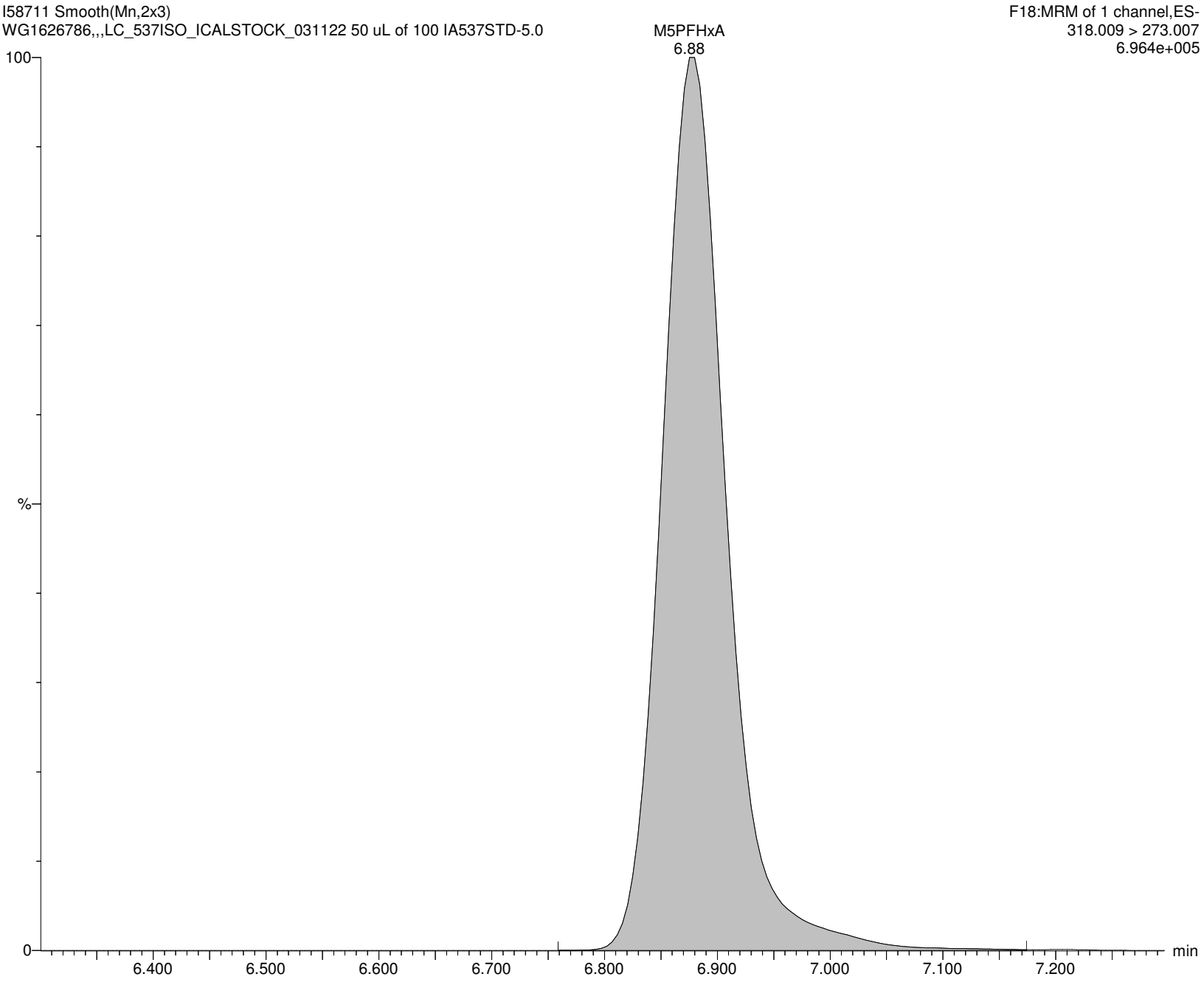


all concentration units in (ng/mL)

Alpha Analytical Inc.
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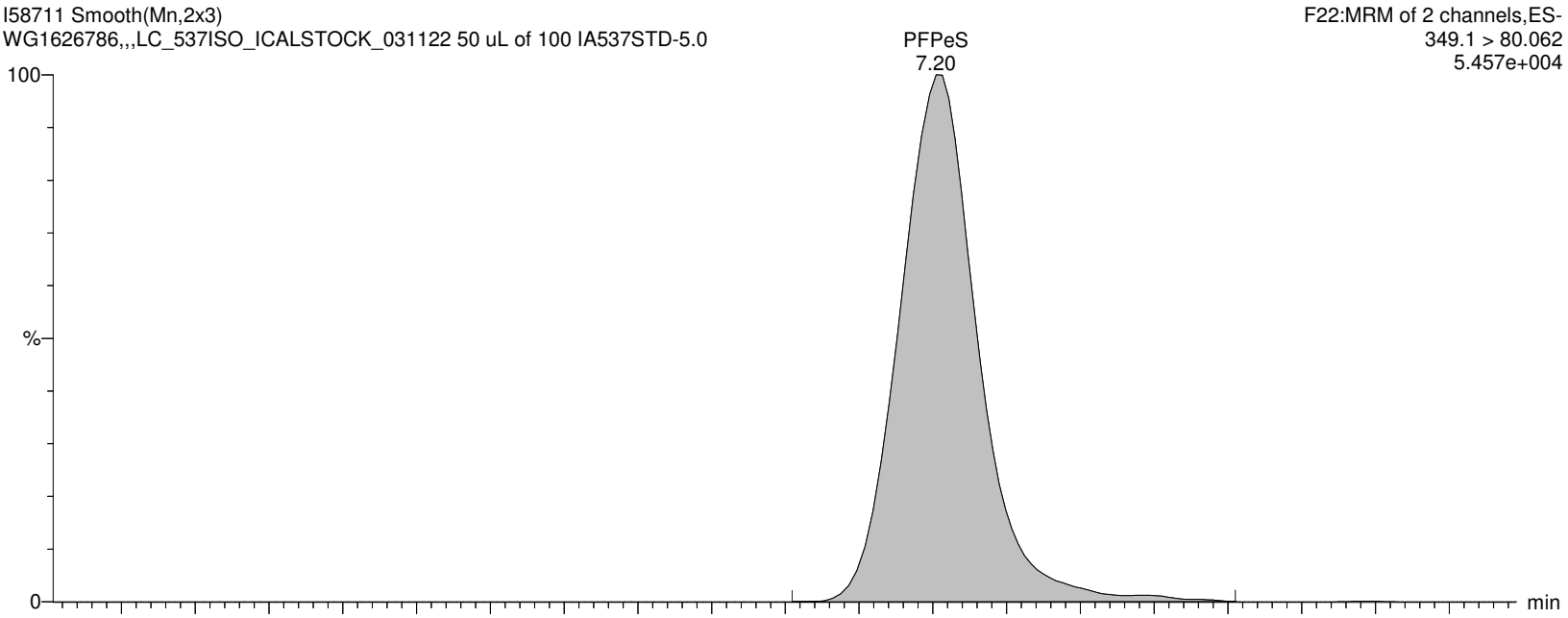


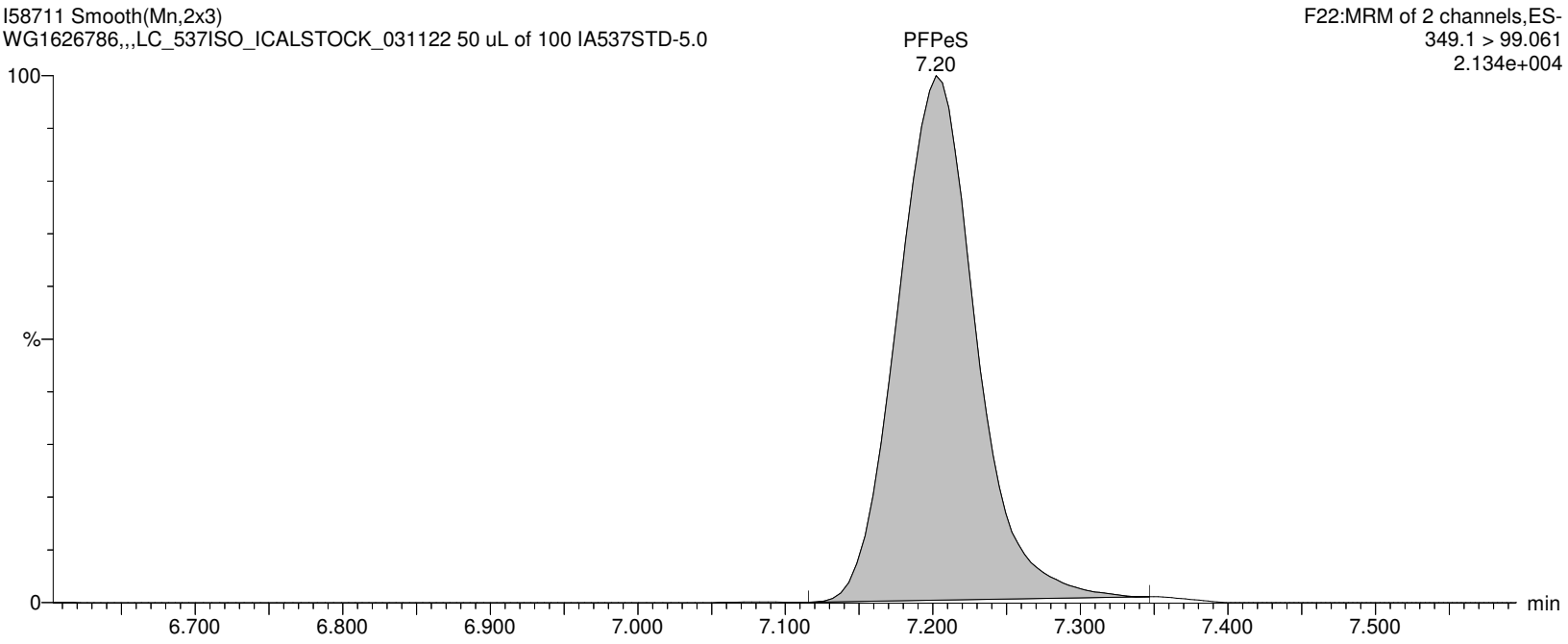
all concentration units in (ng/mL)

Alpha Analytical Inc.
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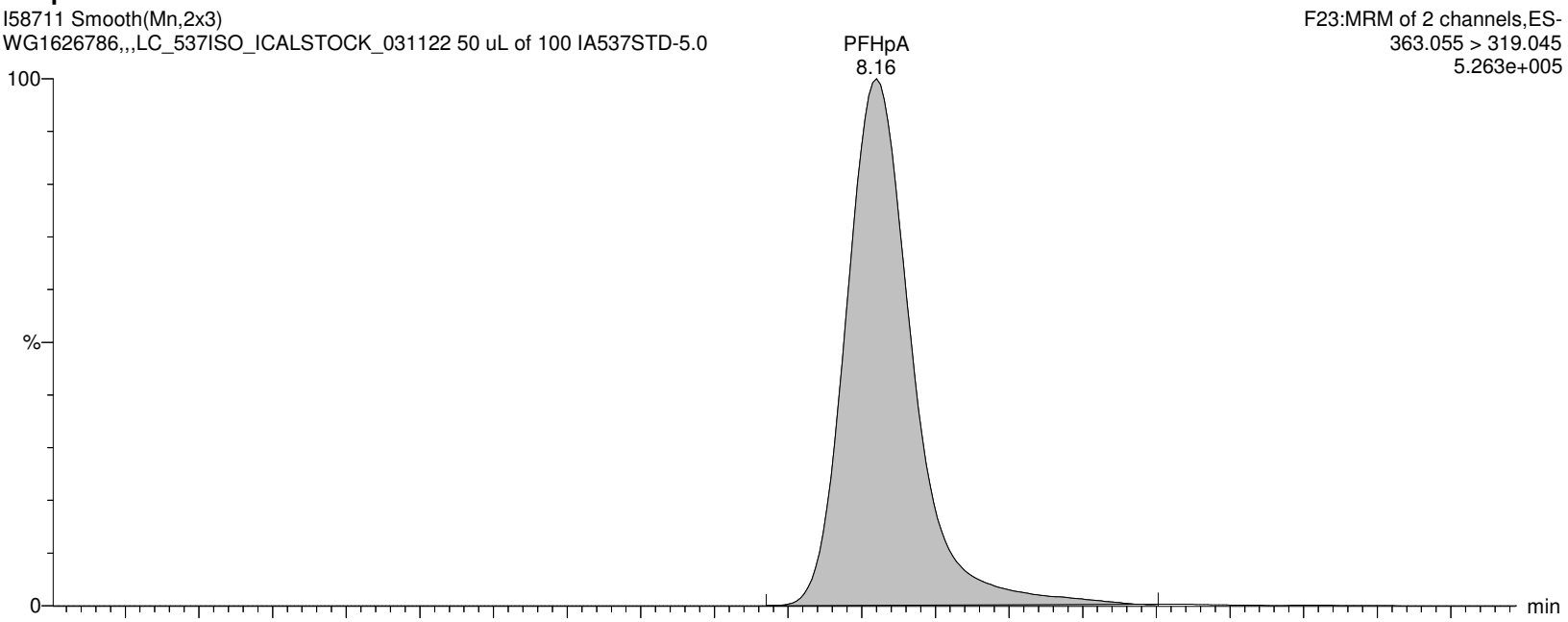


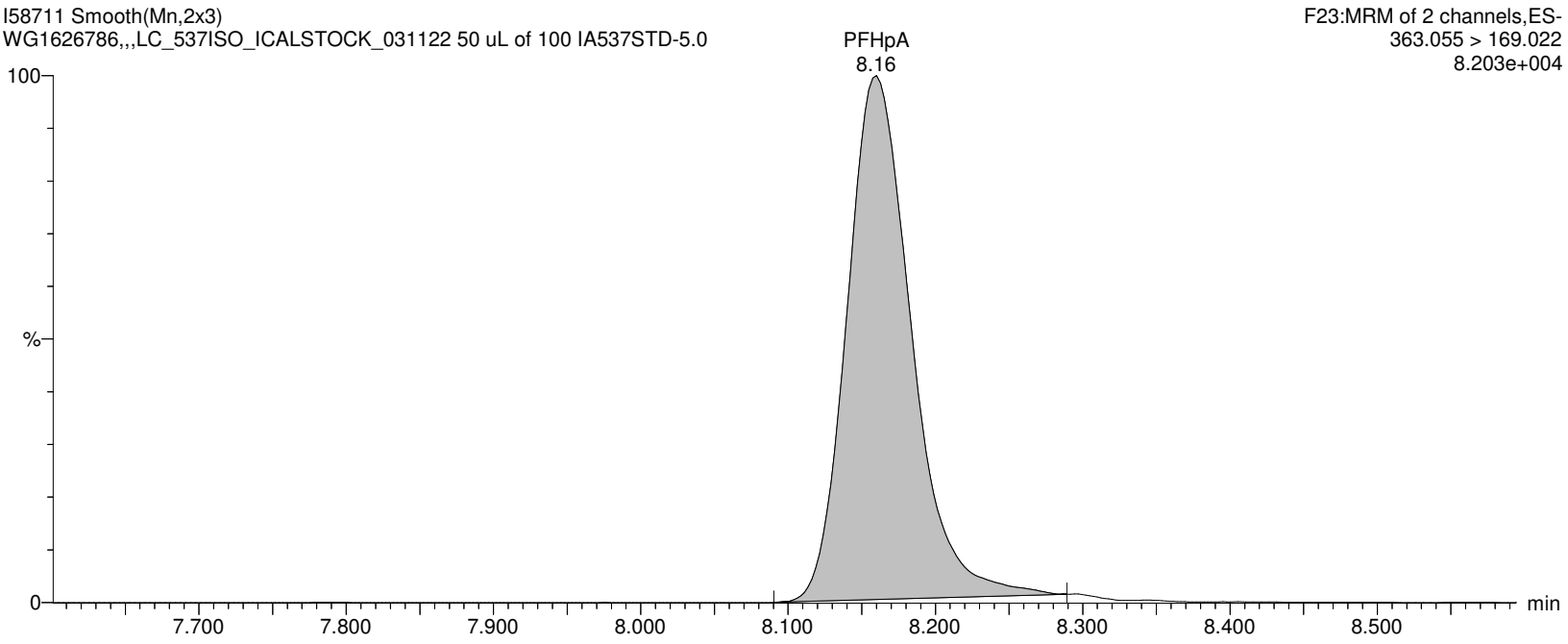
all concentration units in (ng/mL)

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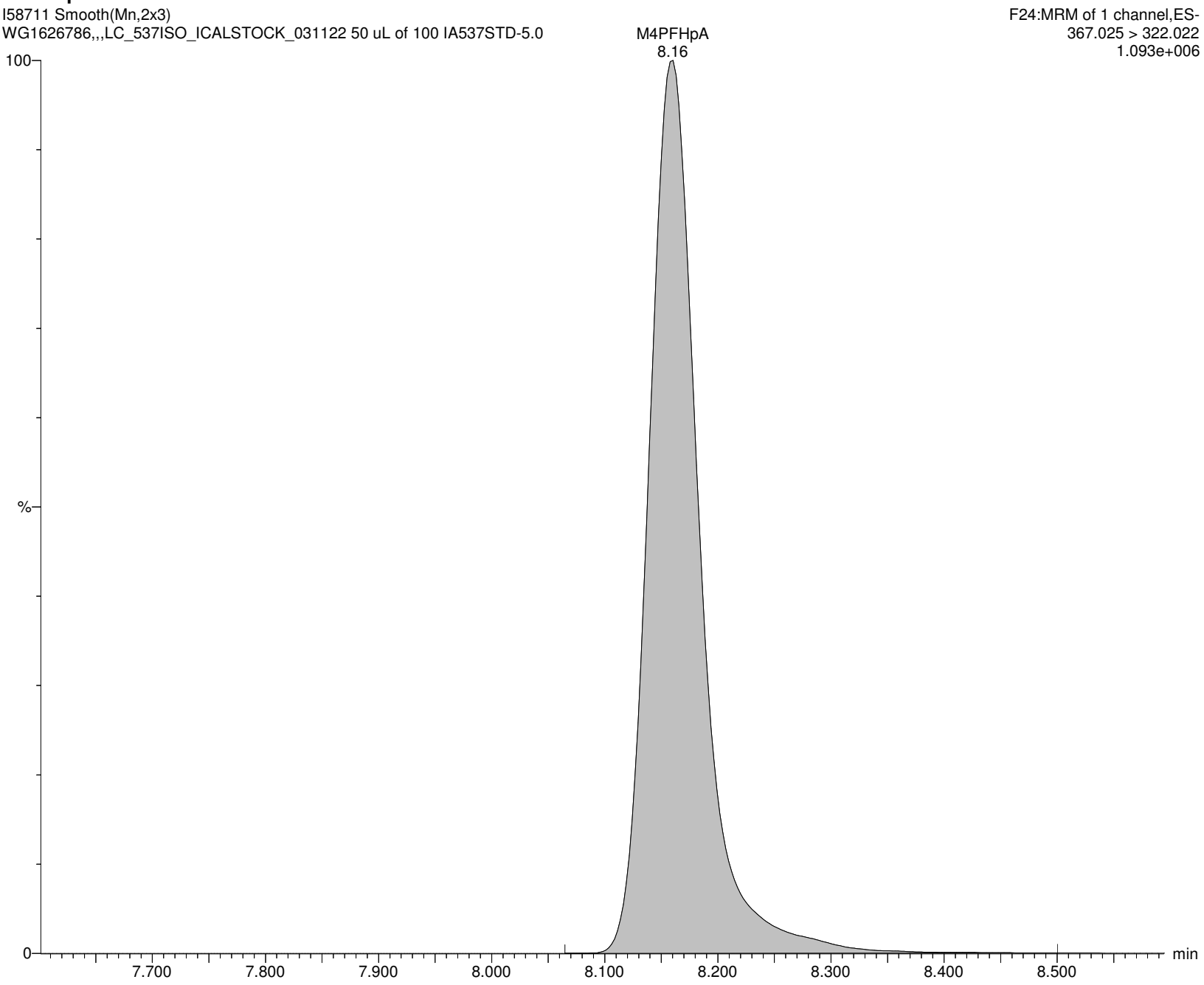


all concentration units in (ng/mL)

Alpha Analytical Inc.
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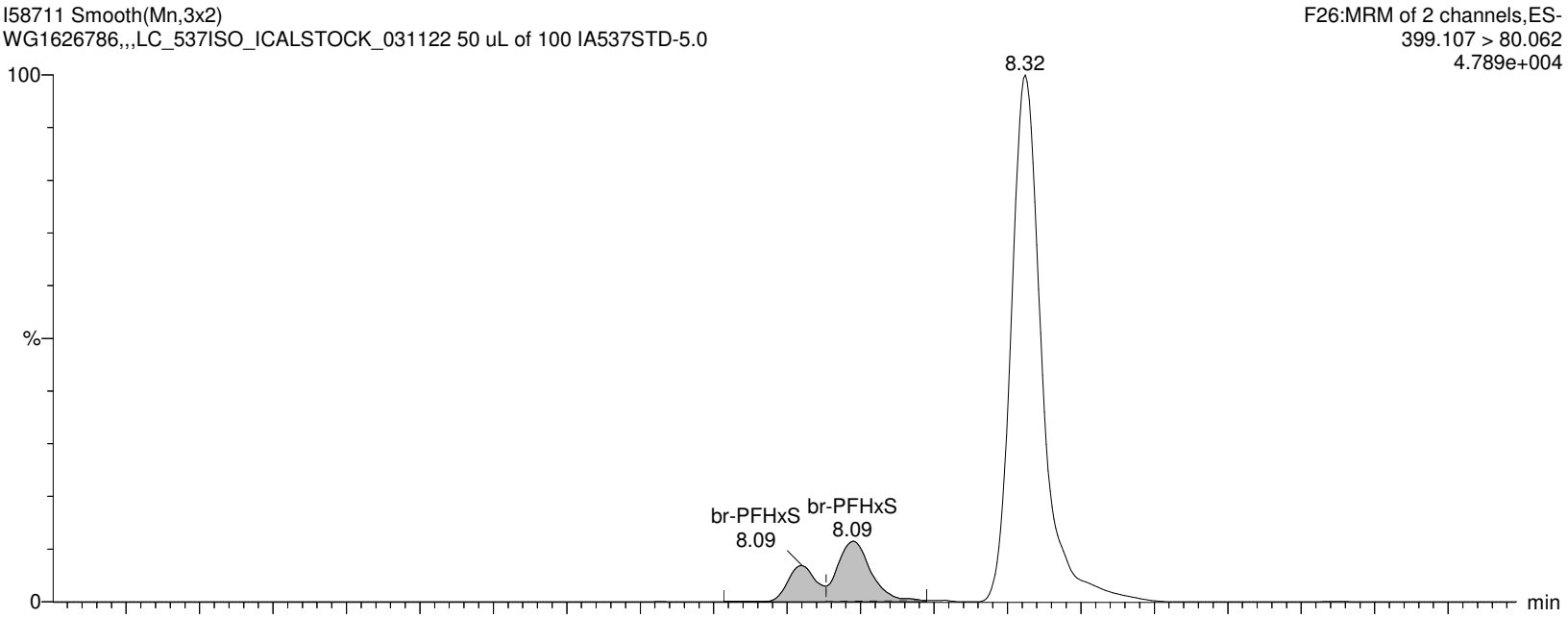


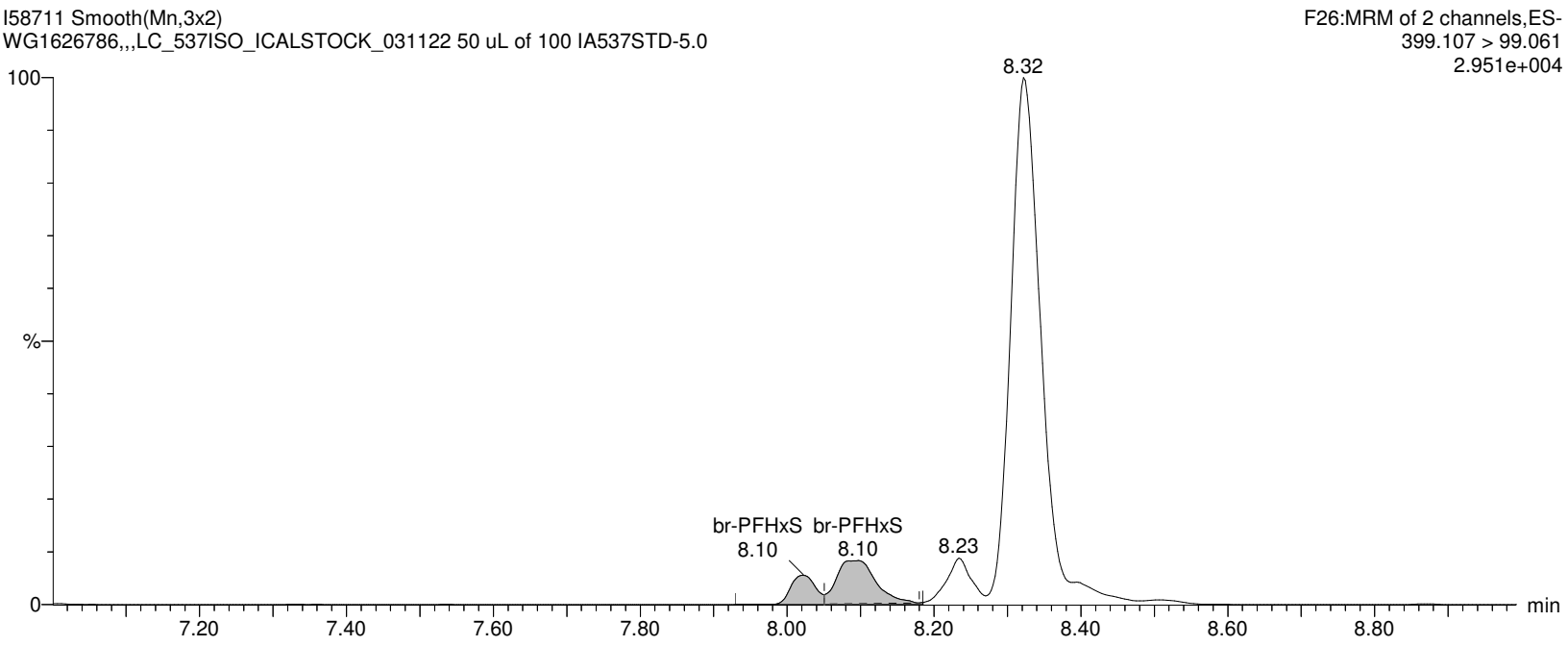
all concentration units in (ng/mL)

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br-PFHxS



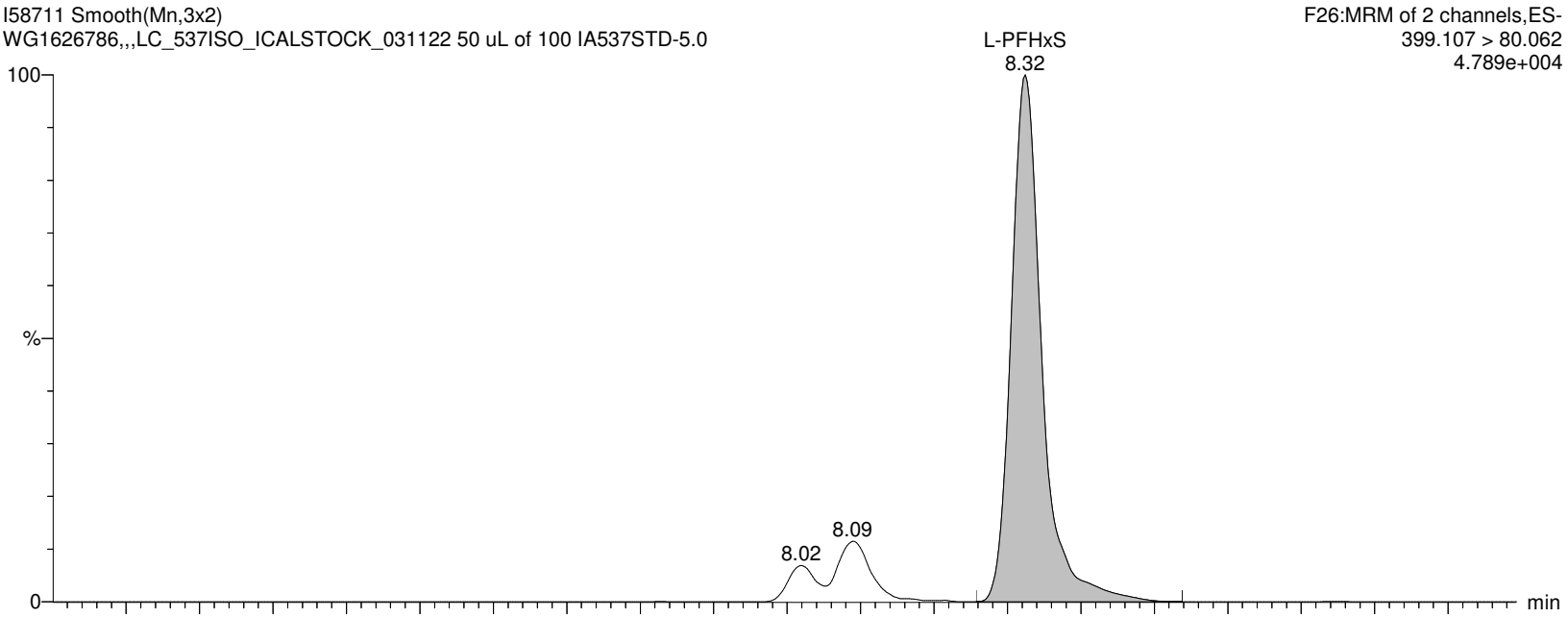


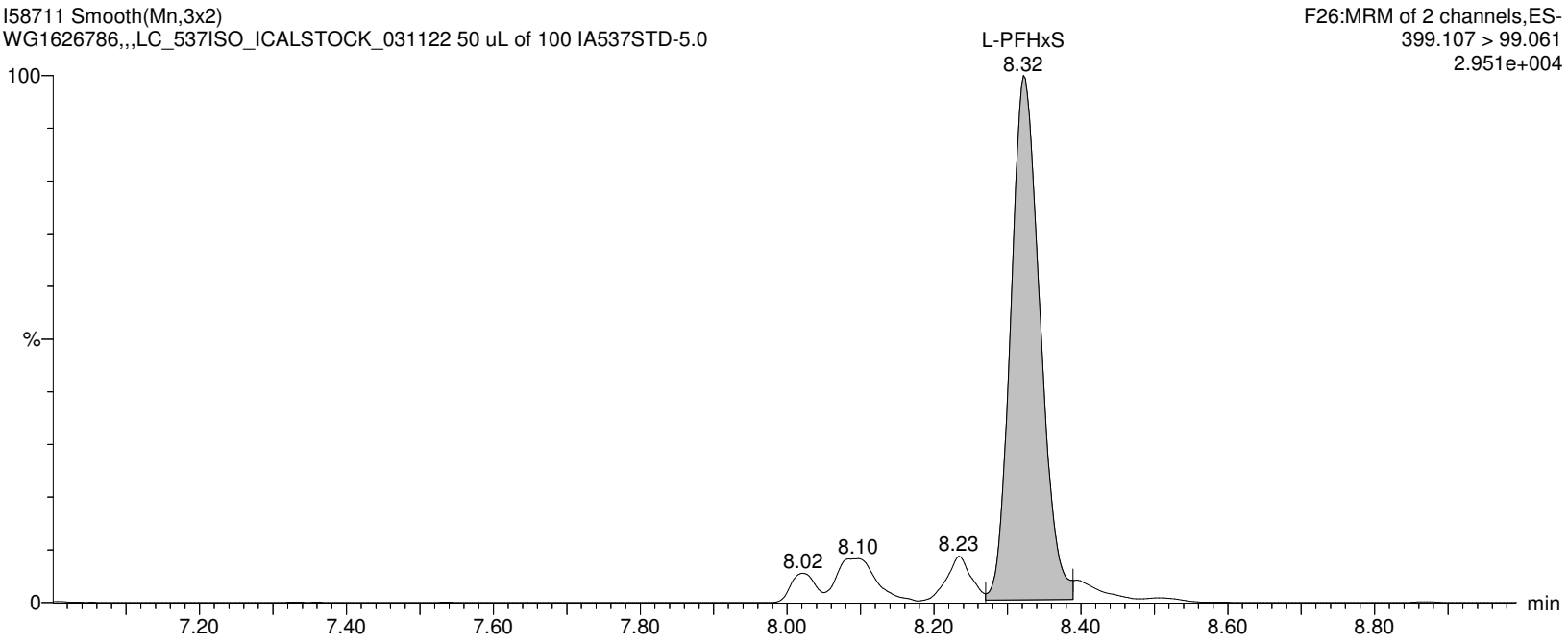
all concentration units in (ng/mL)

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L-PFHxS



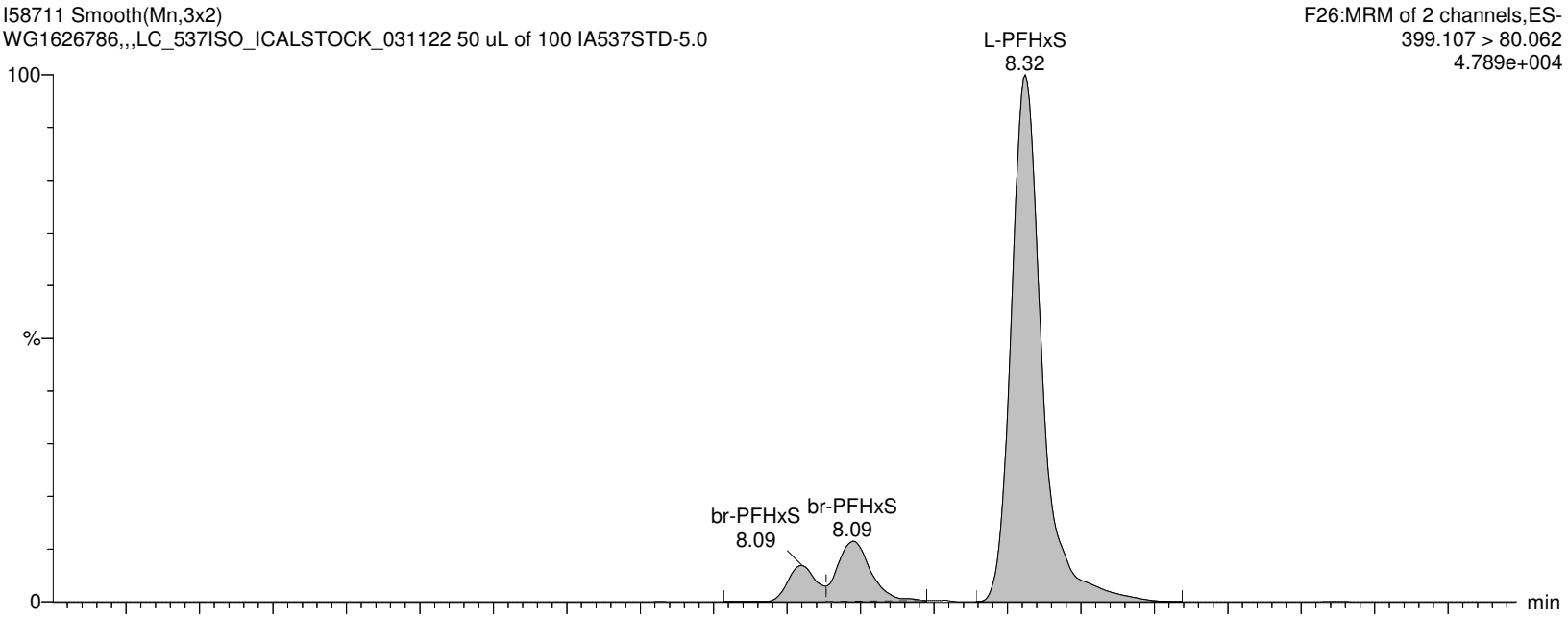


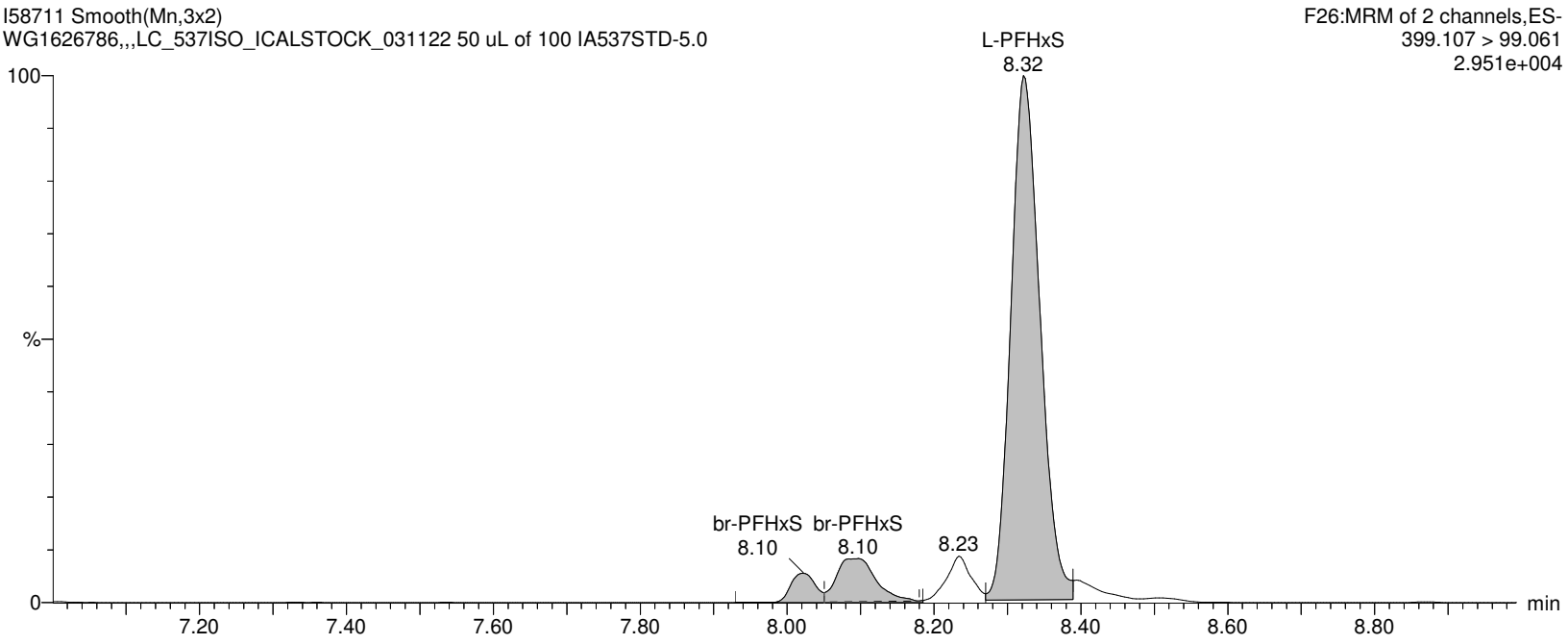
all concentration units in (ng/mL)

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PFHxS



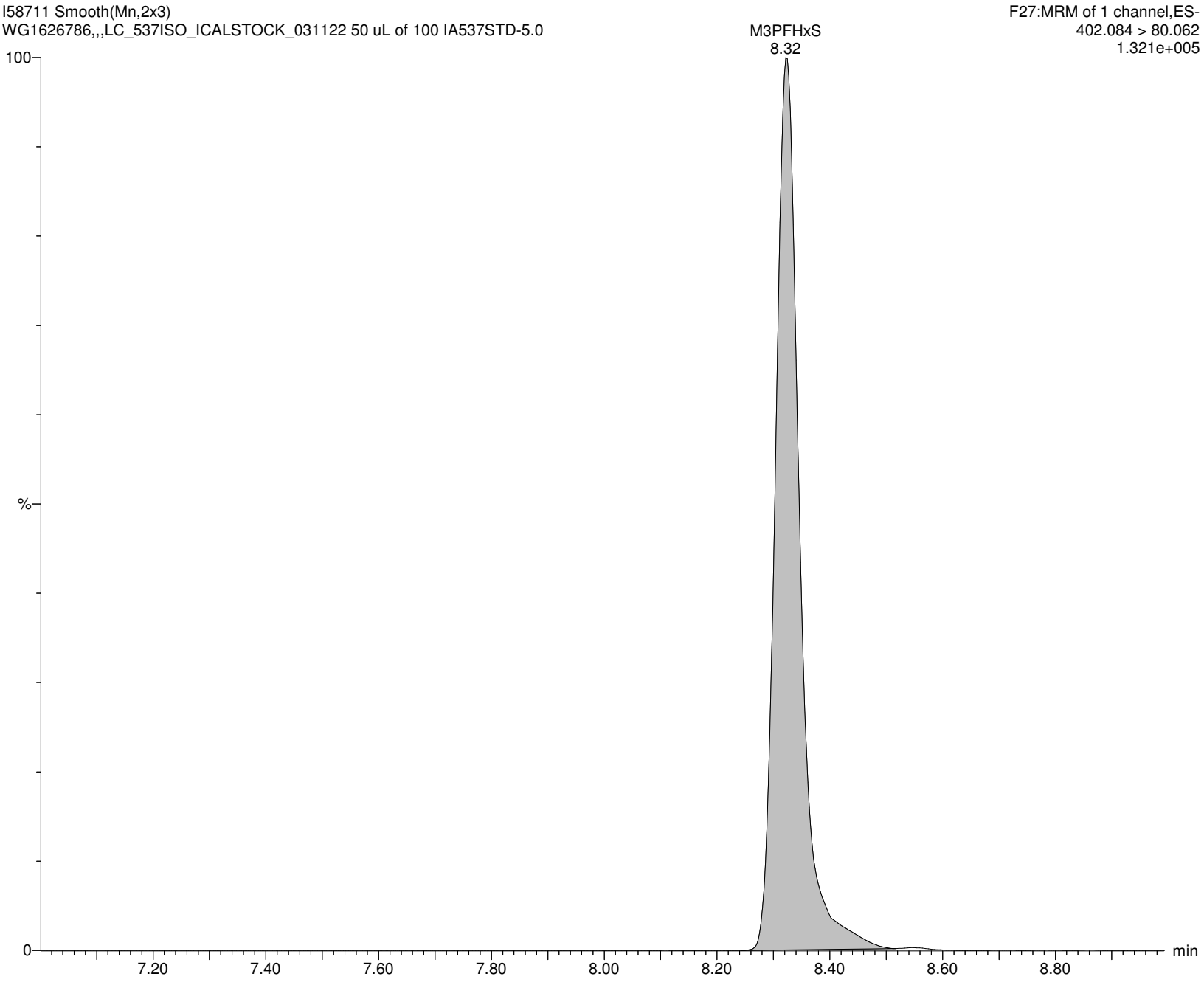


all concentration units in (ng/mL)

Alpha Analytical Inc.
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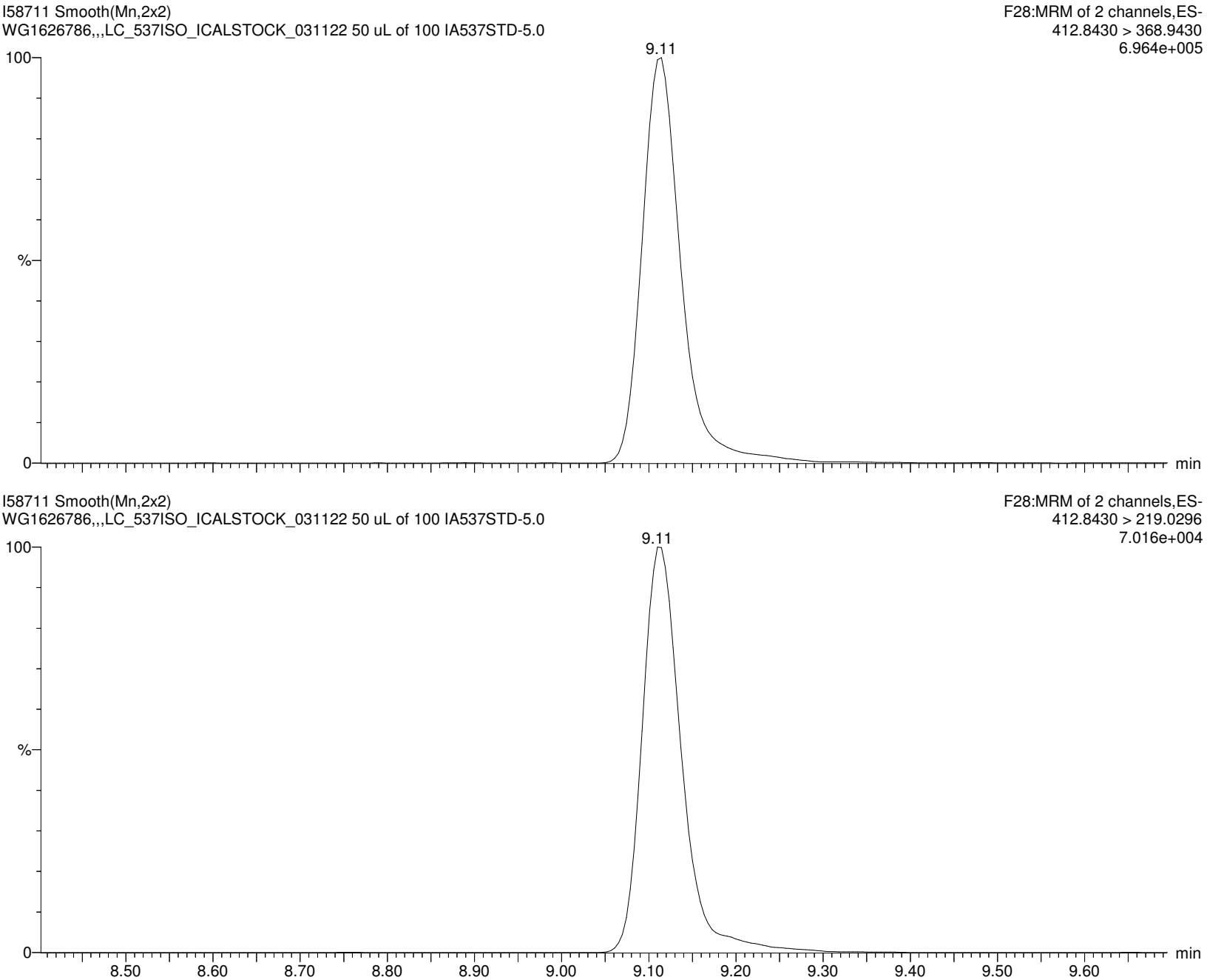


all concentration units in (ng/mL)

Alpha Analytical Inc.
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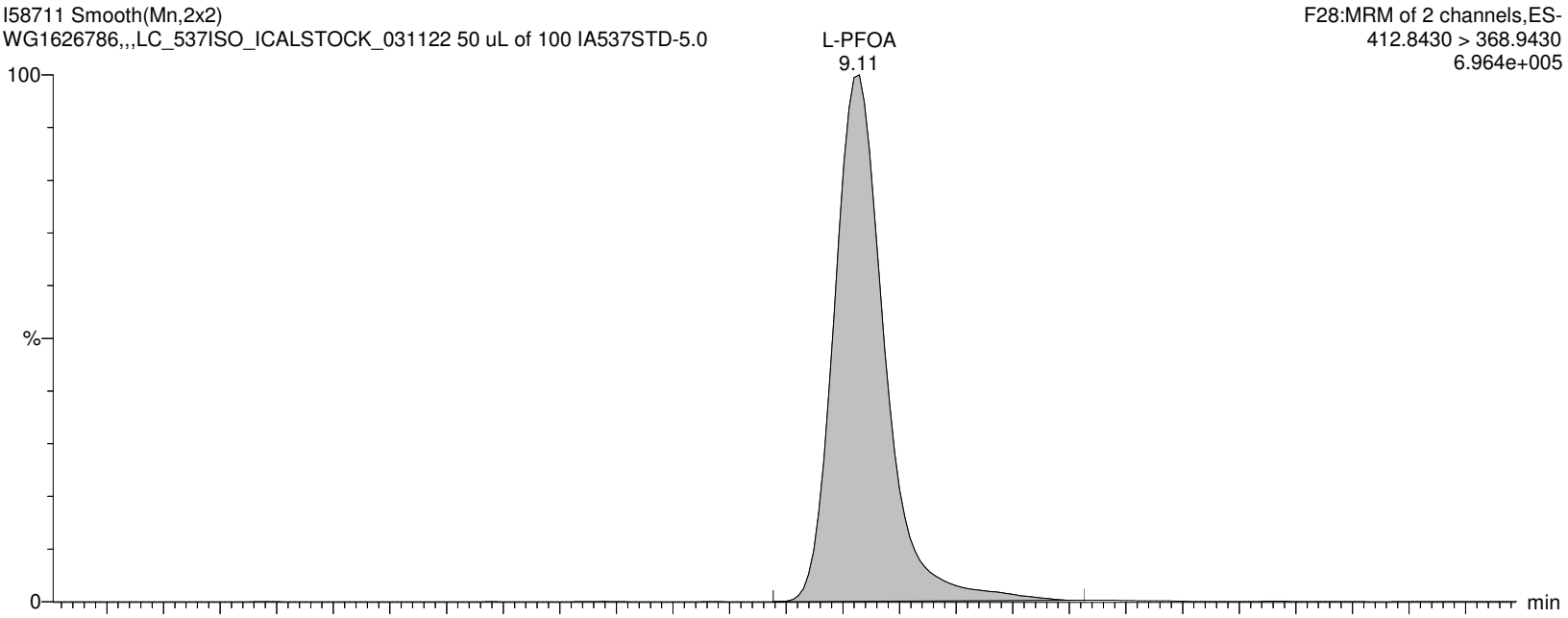


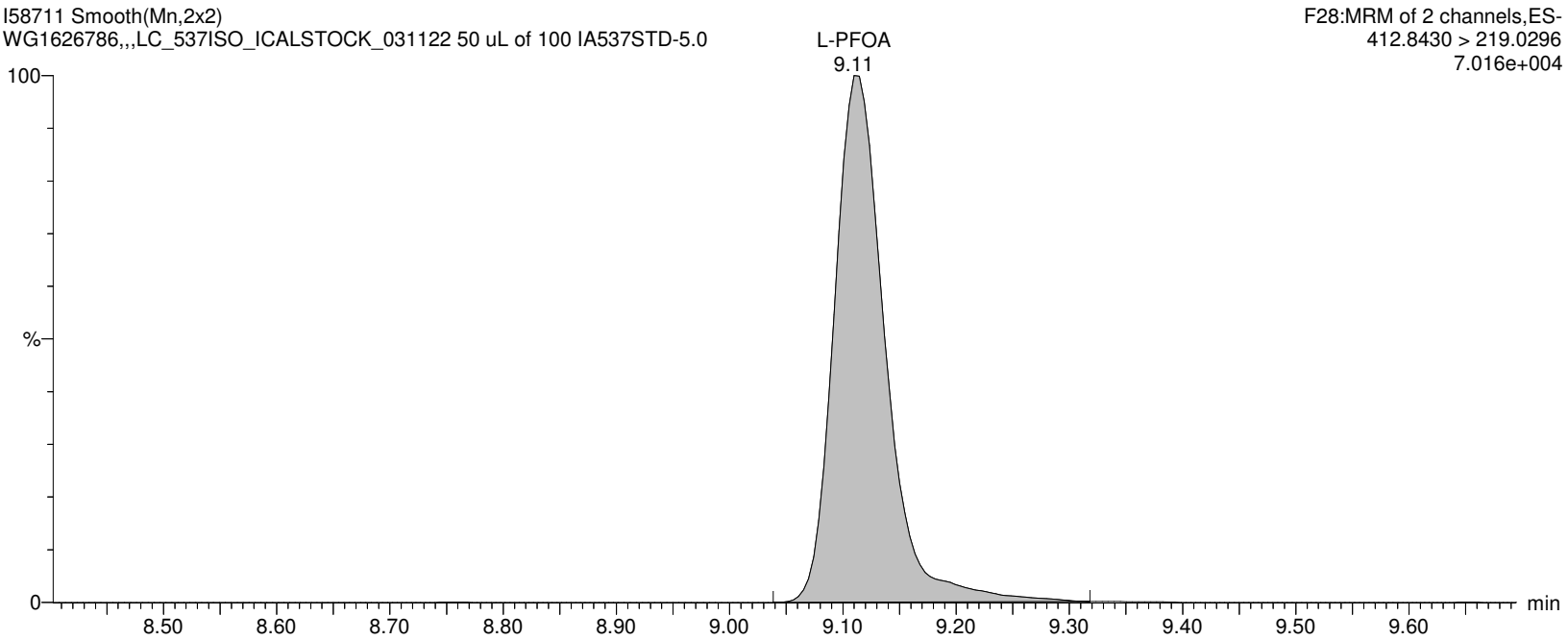
all concentration units in (ng/mL)

Alpha Analytical Inc.
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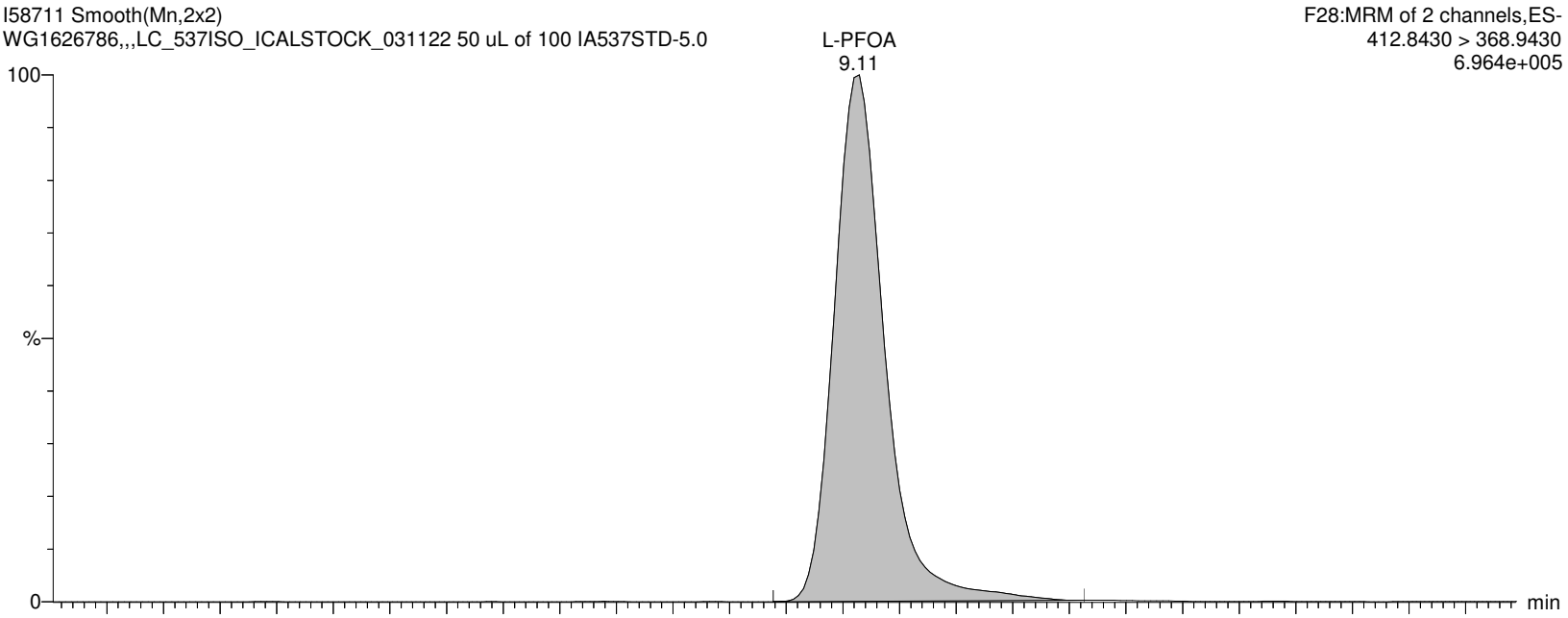


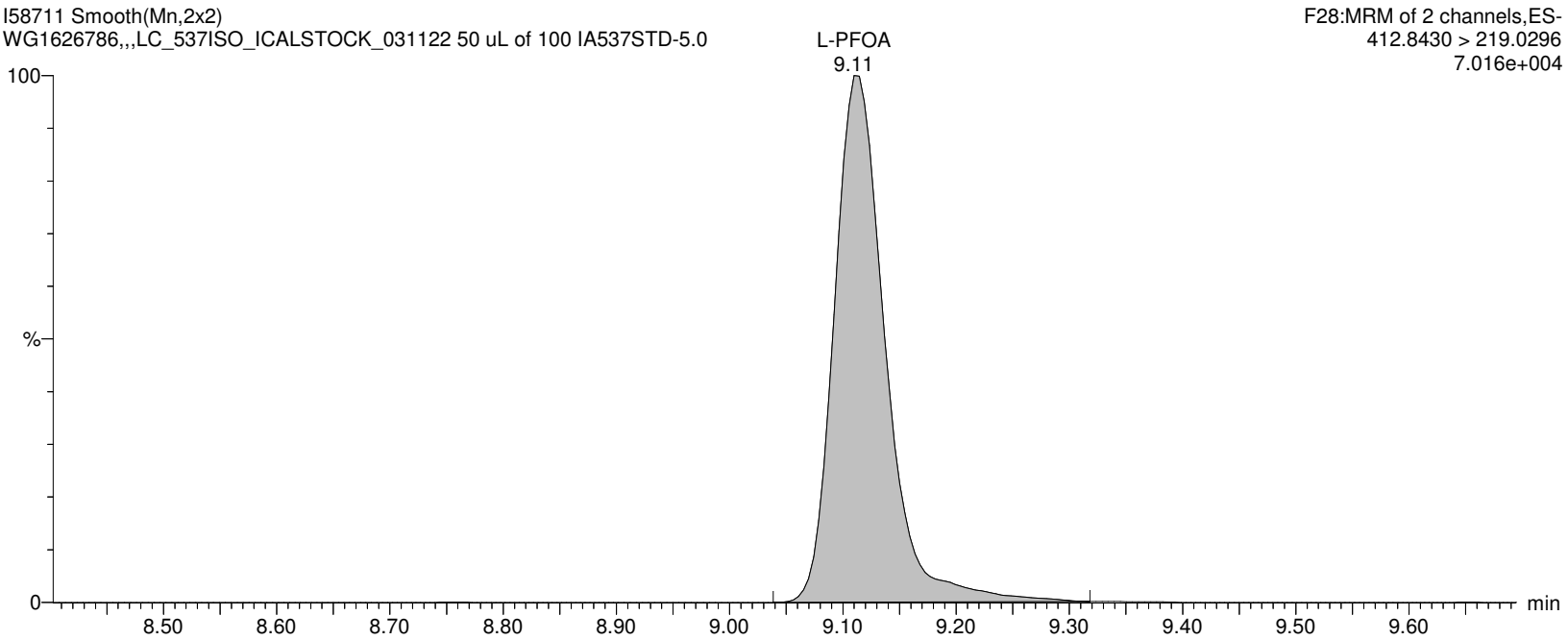
all concentration units in (ng/mL)

Alpha Analytical Inc.
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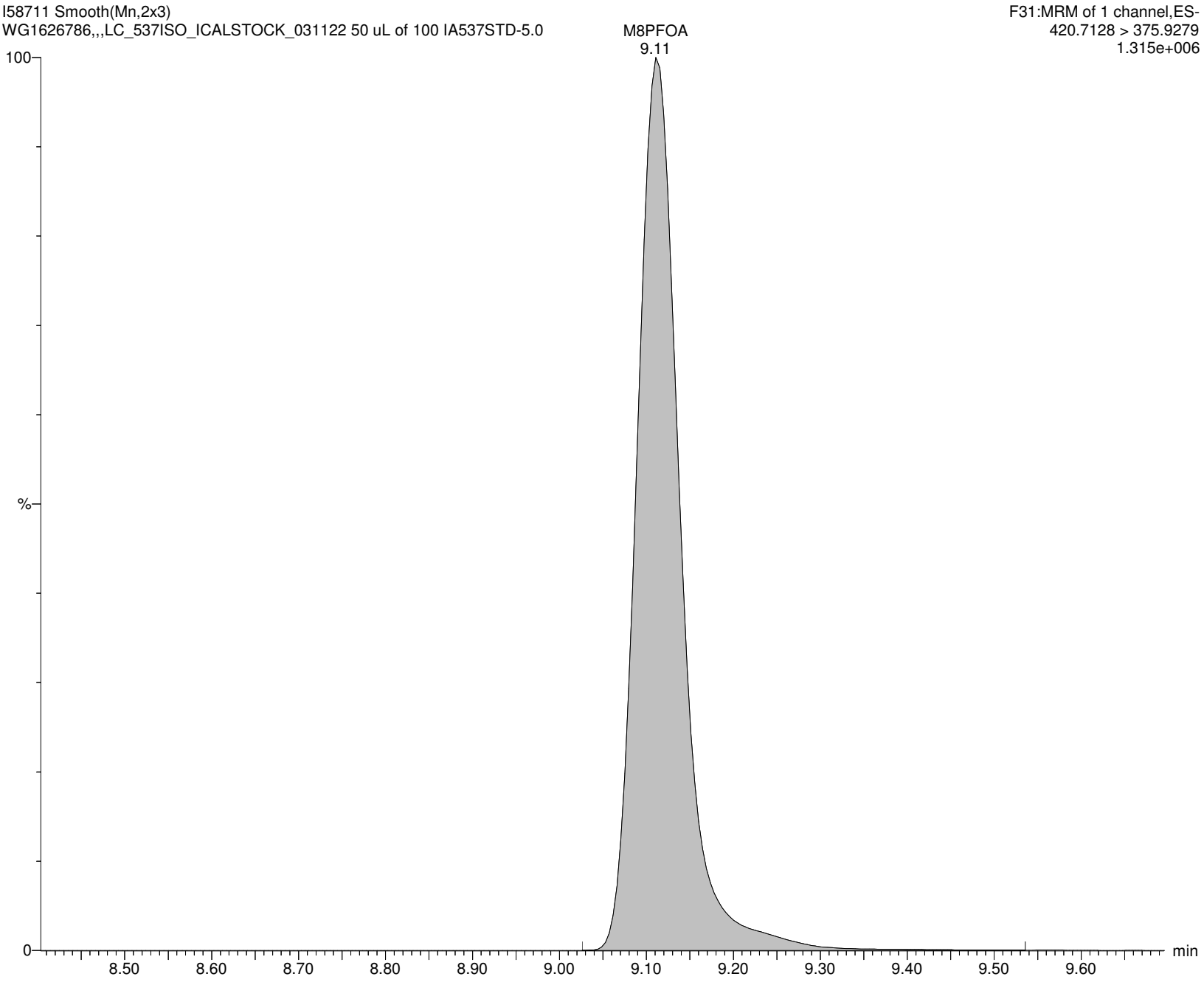


all concentration units in (ng/mL)

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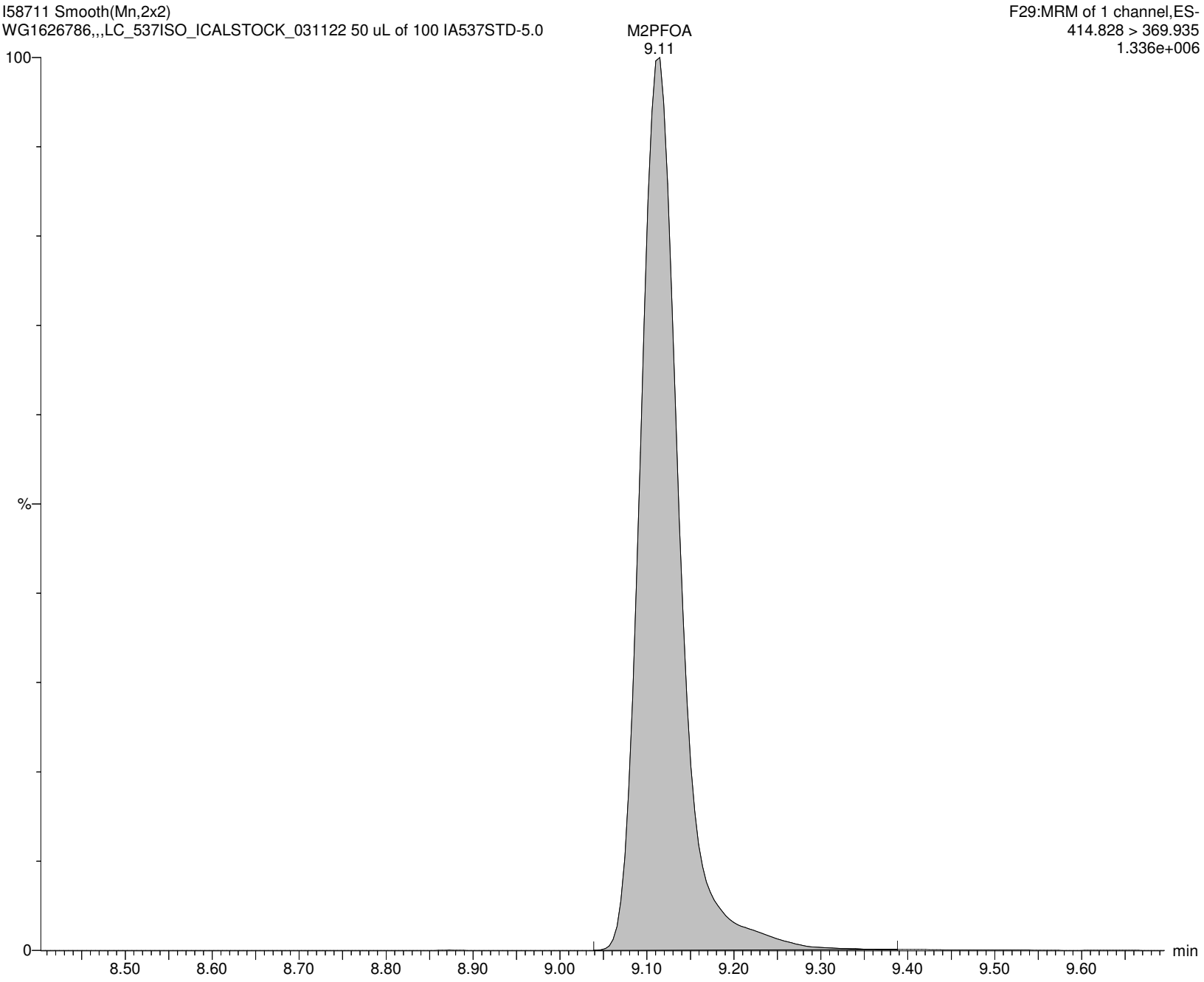


all concentration units in (ng/mL)

Alpha Analytical Inc.
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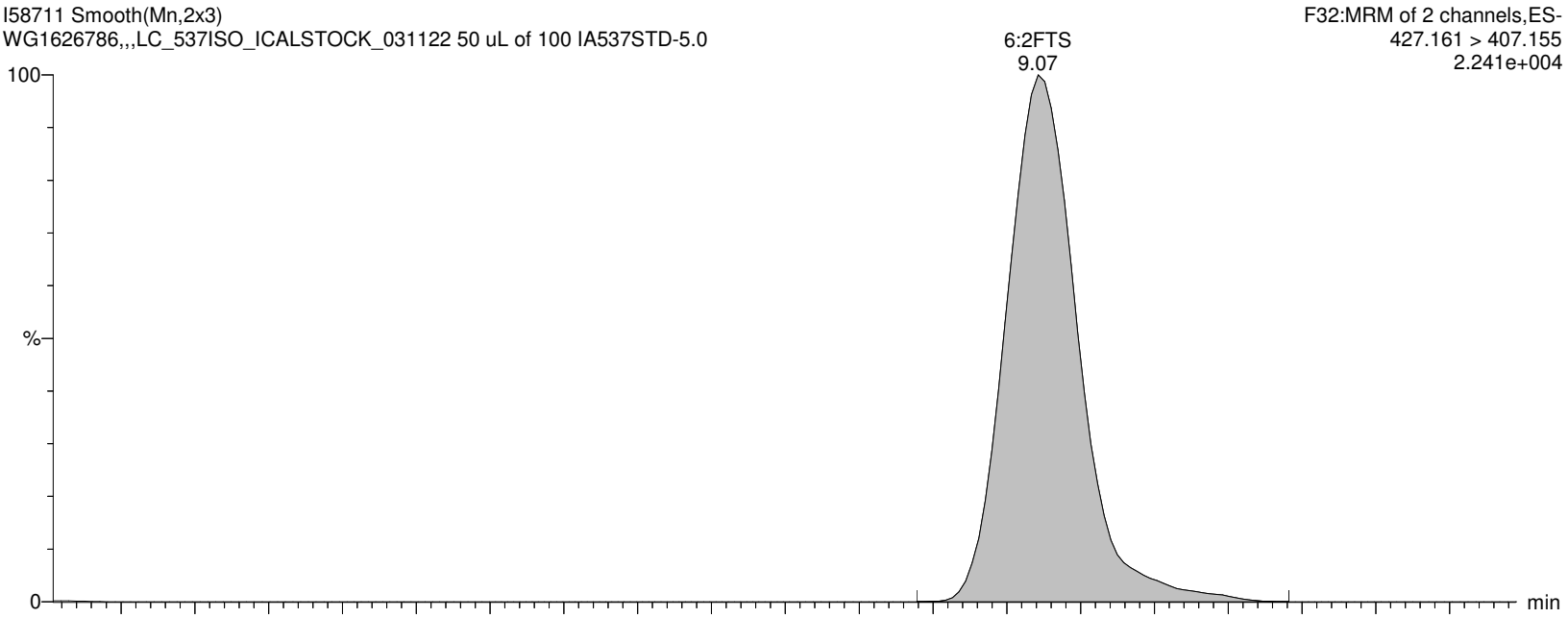


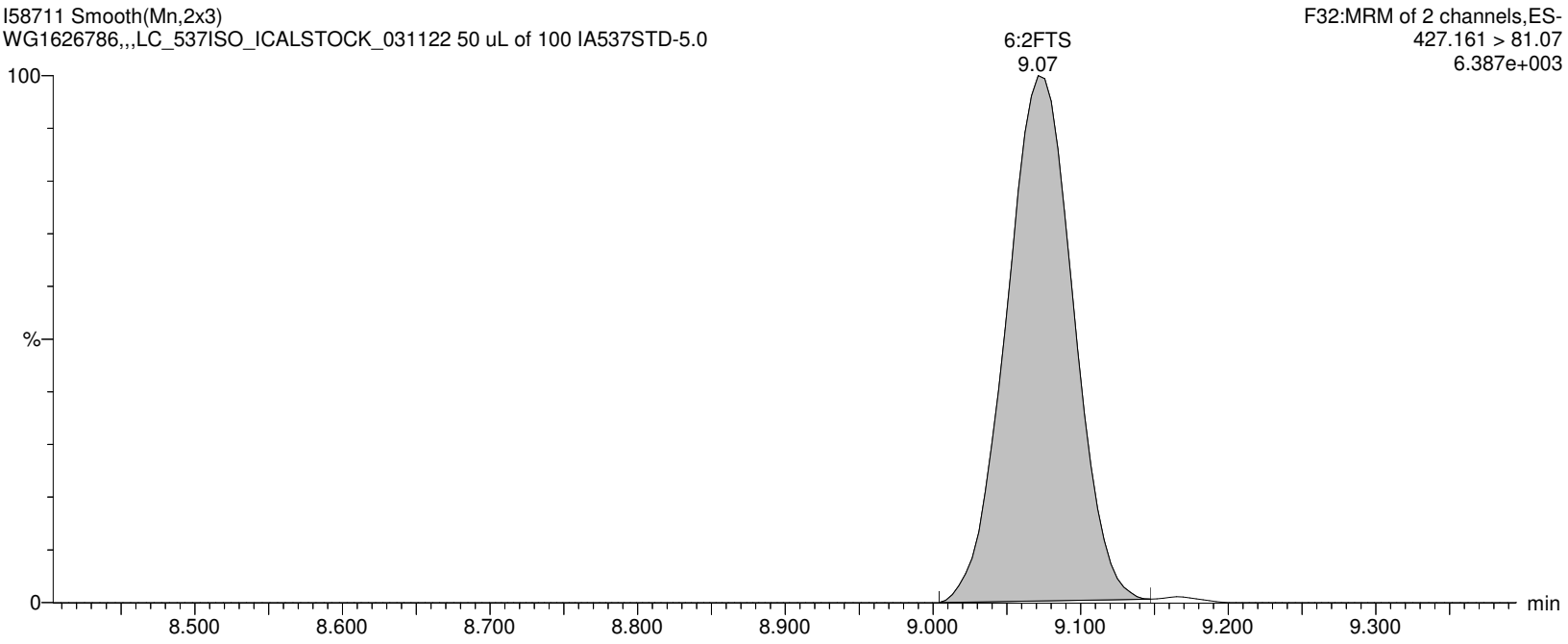
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6:2FTS



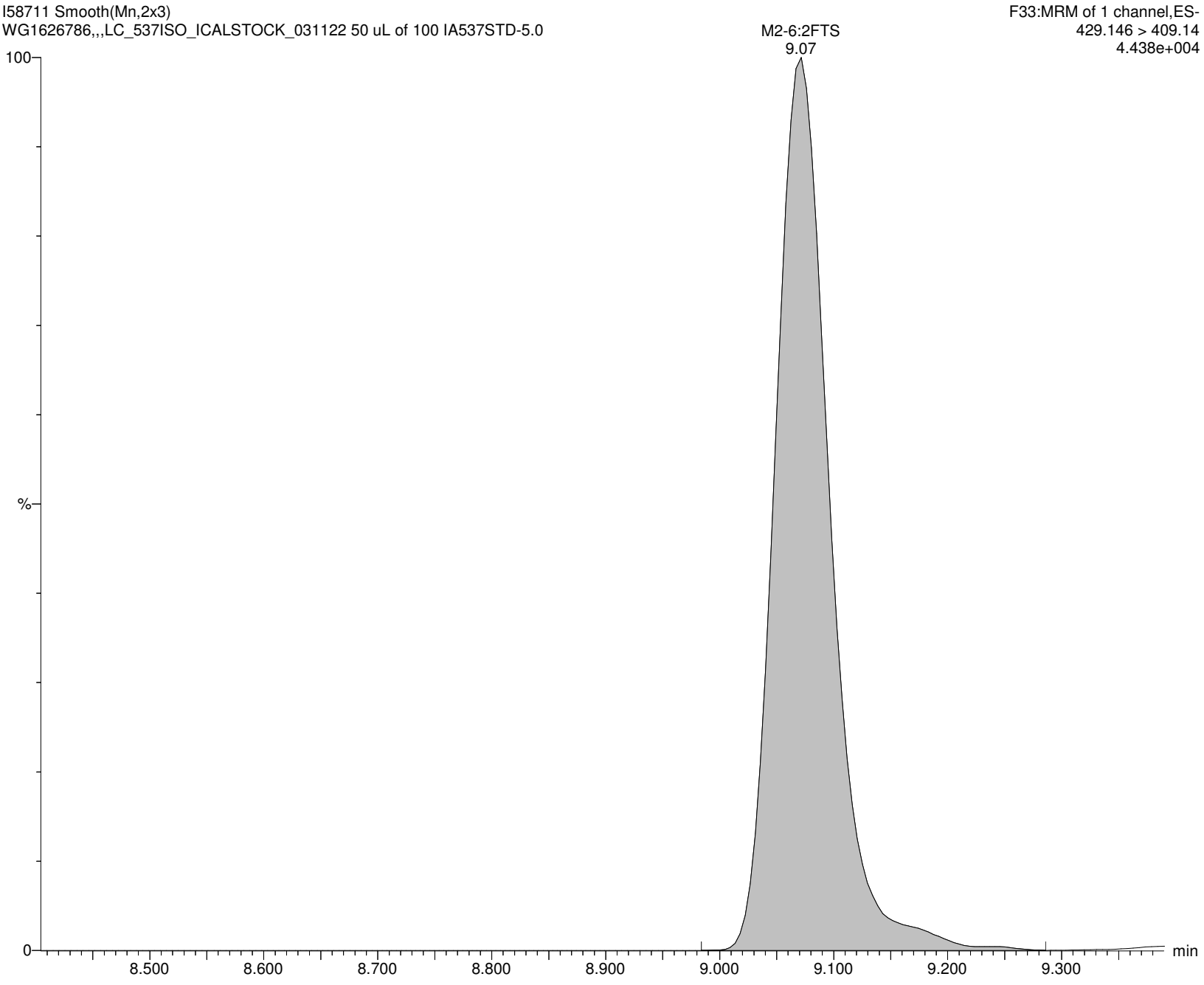


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:06:20
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User: LCMS02:MP
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
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M2-6:2FTS

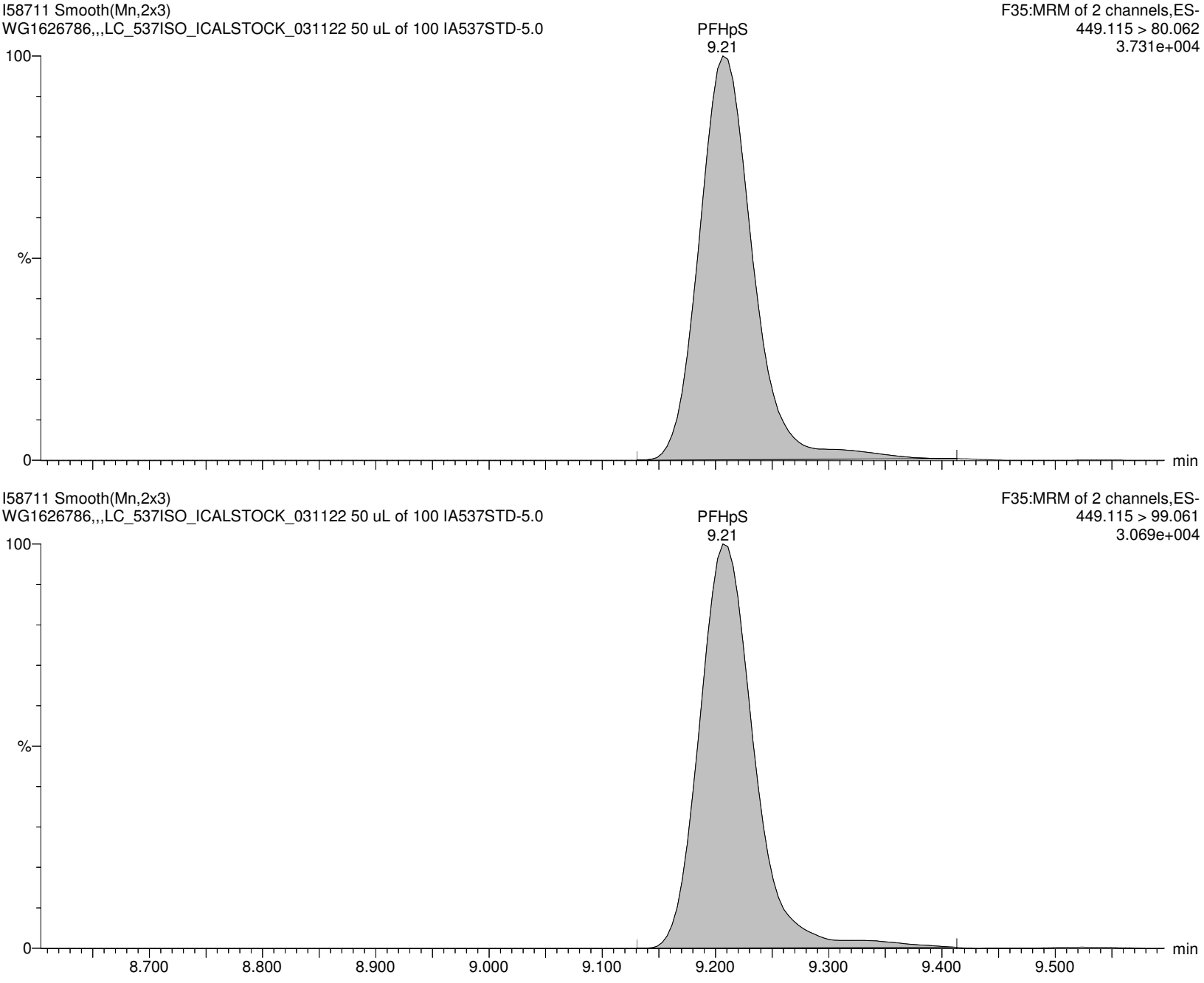


all concentration units in (ng/mL)

Alpha Analytical Inc.
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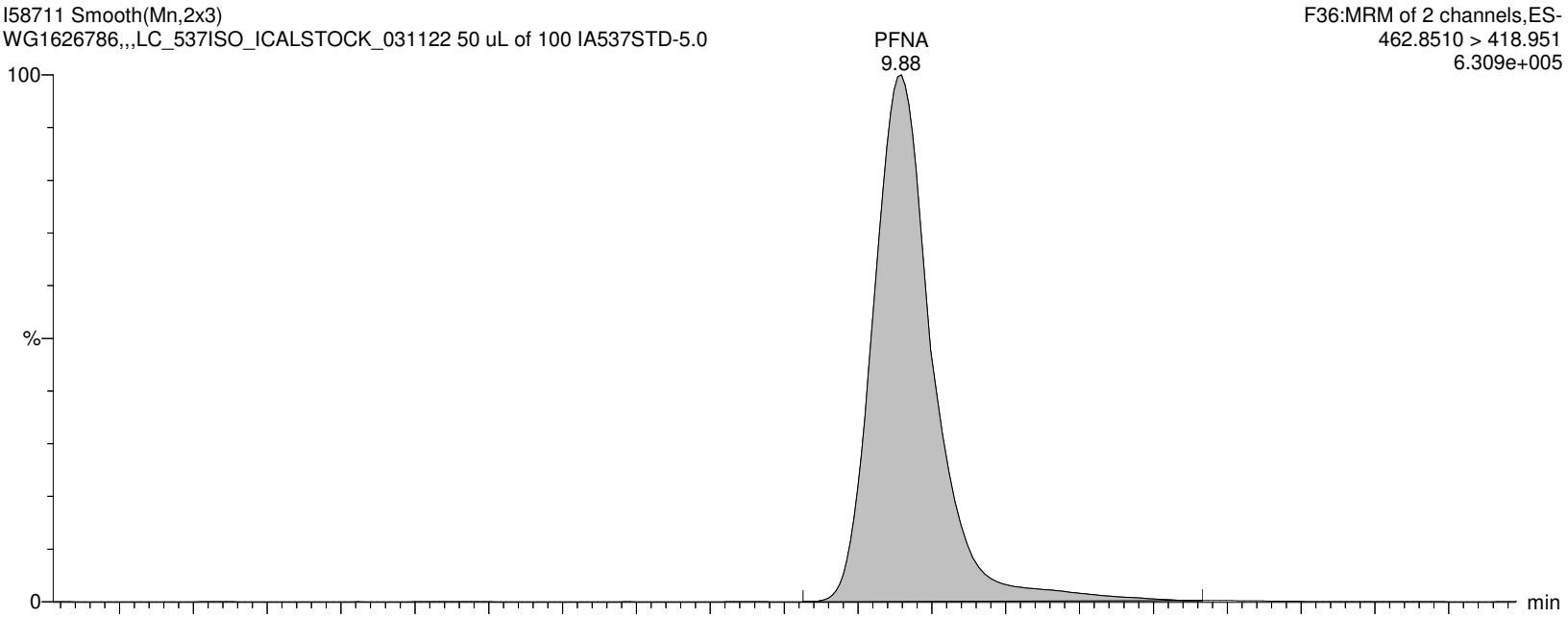


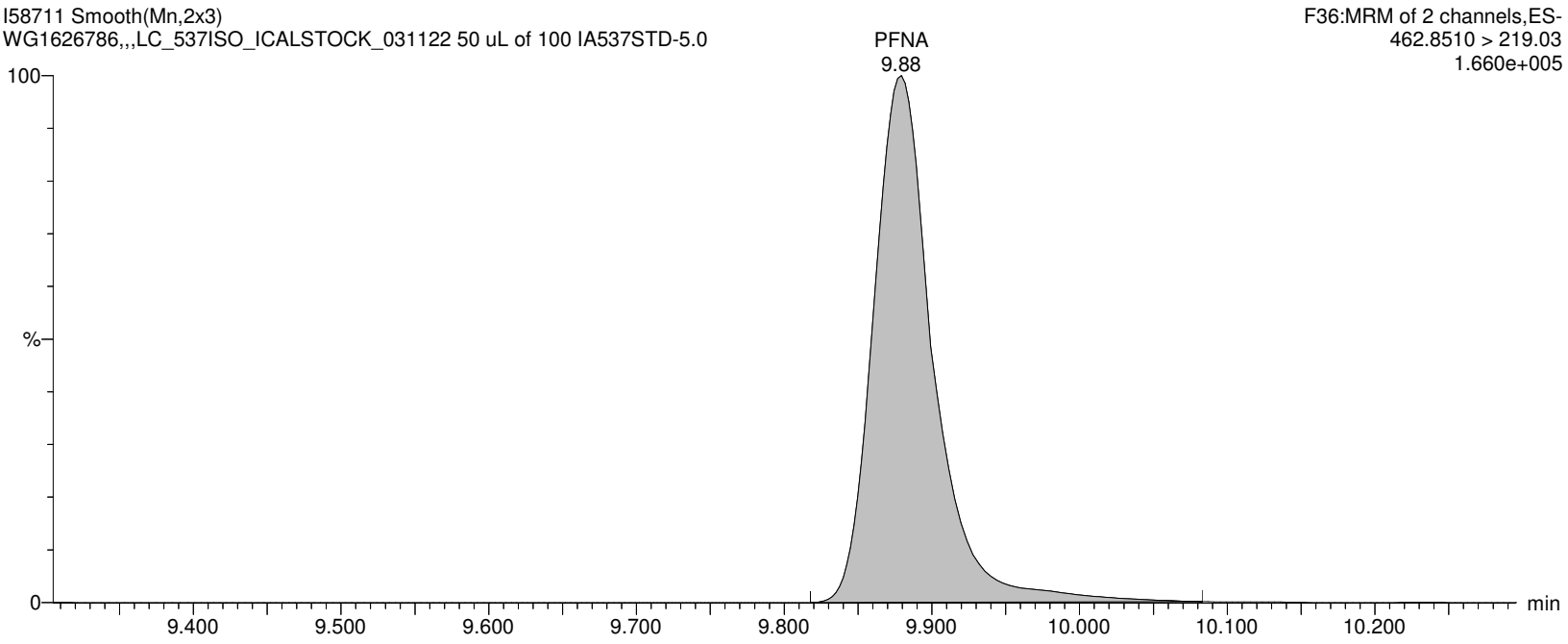
all concentration units in (ng/mL)

Alpha Analytical Inc.
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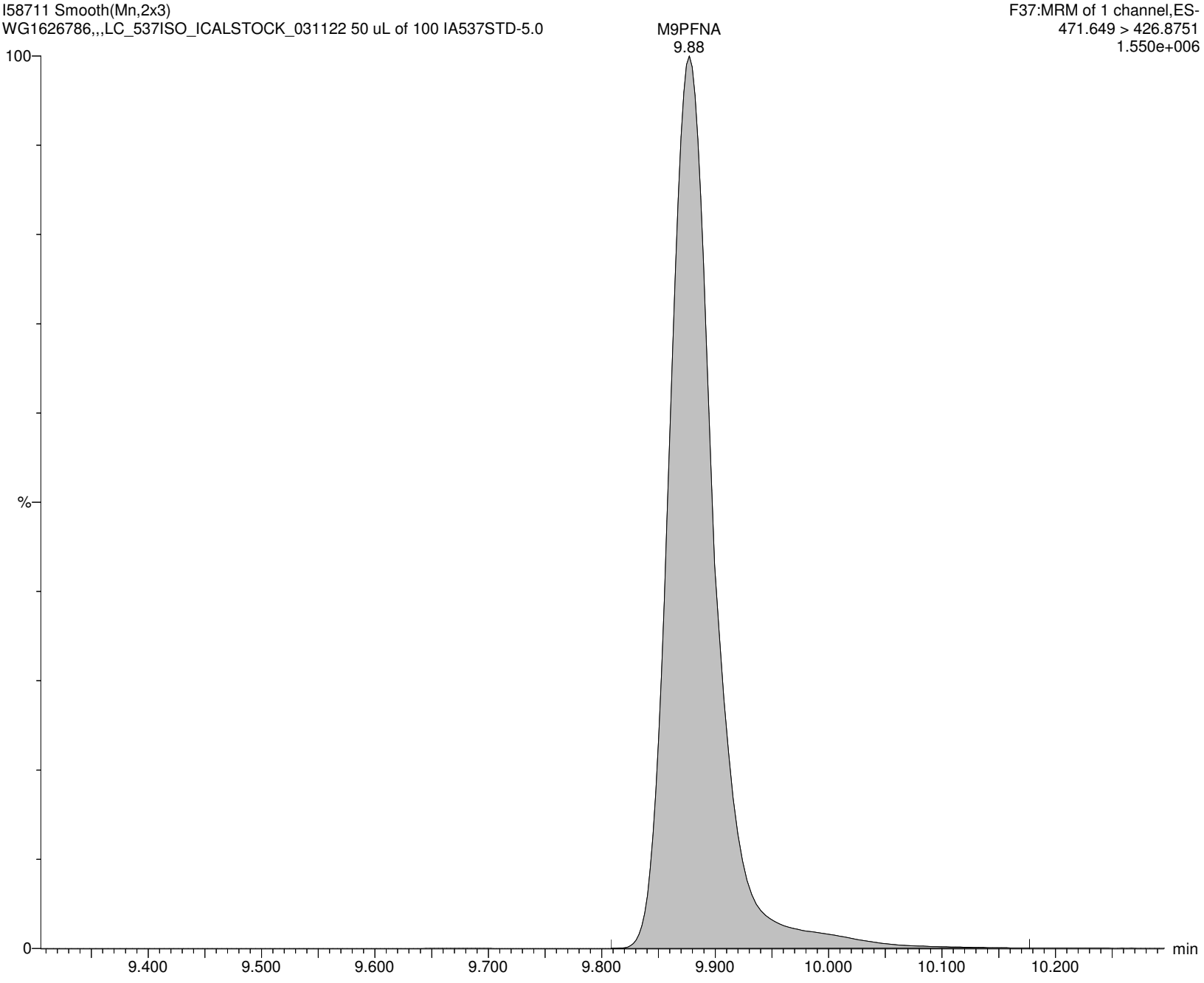


all concentration units in (ng/mL)

Alpha Analytical Inc.
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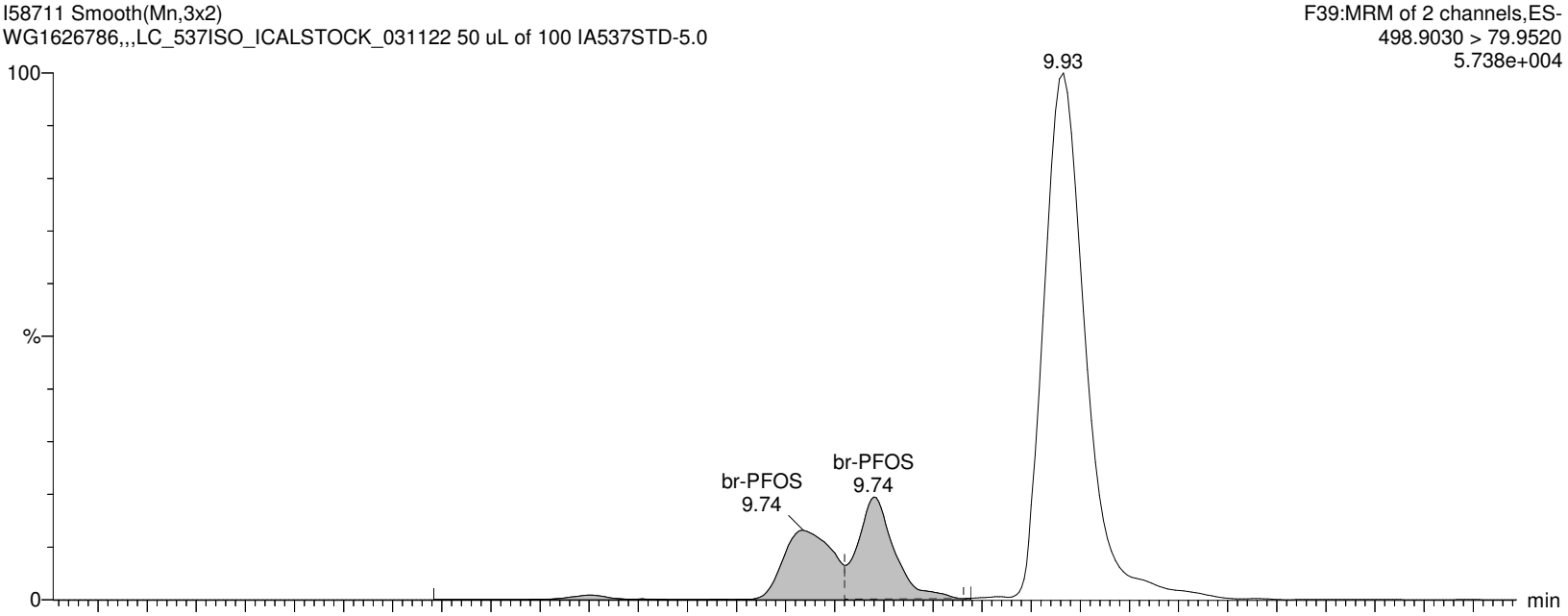


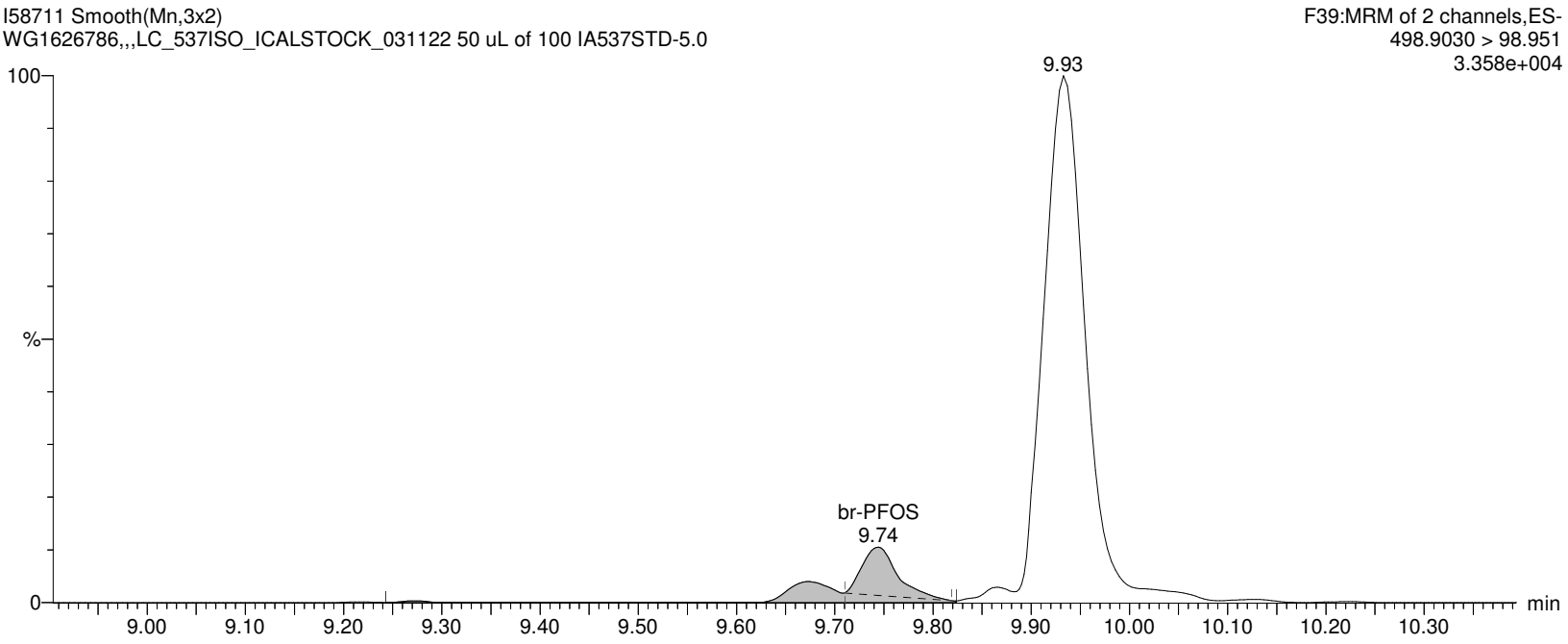
all concentration units in (ng/mL)

Alpha Analytical Inc.
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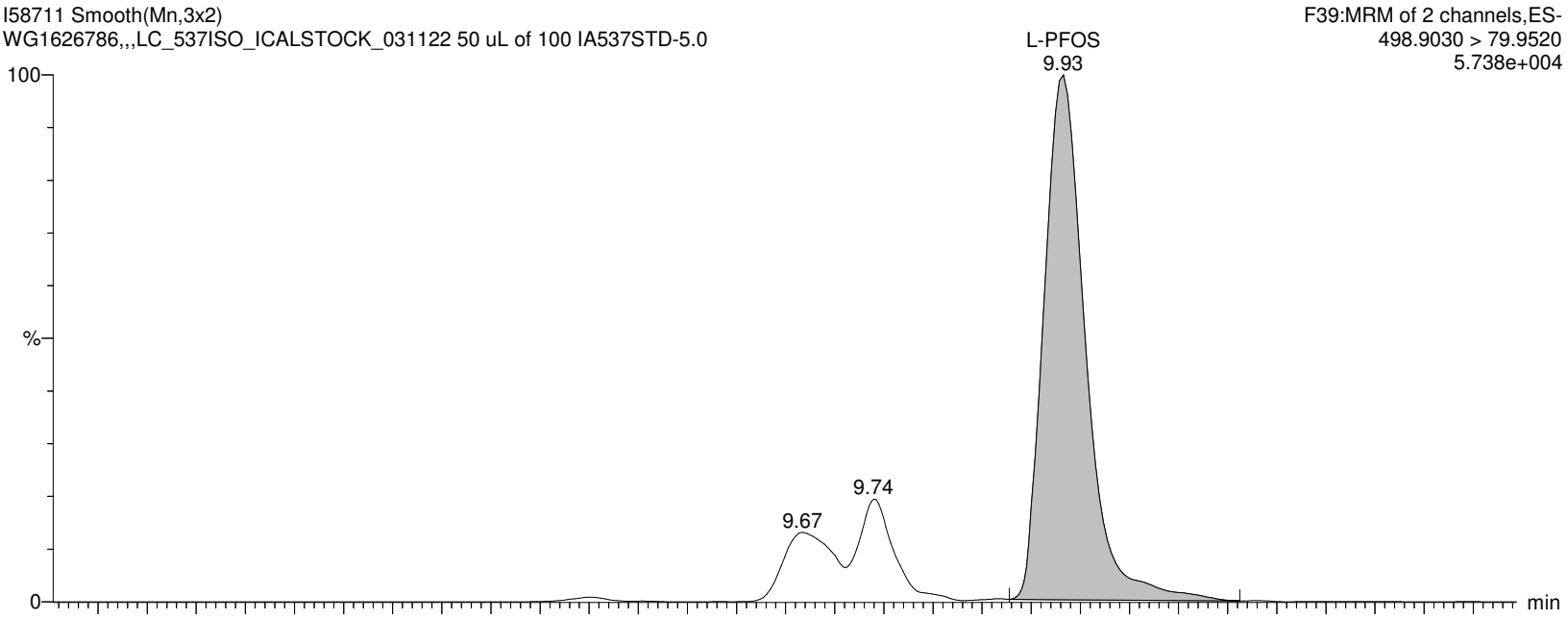


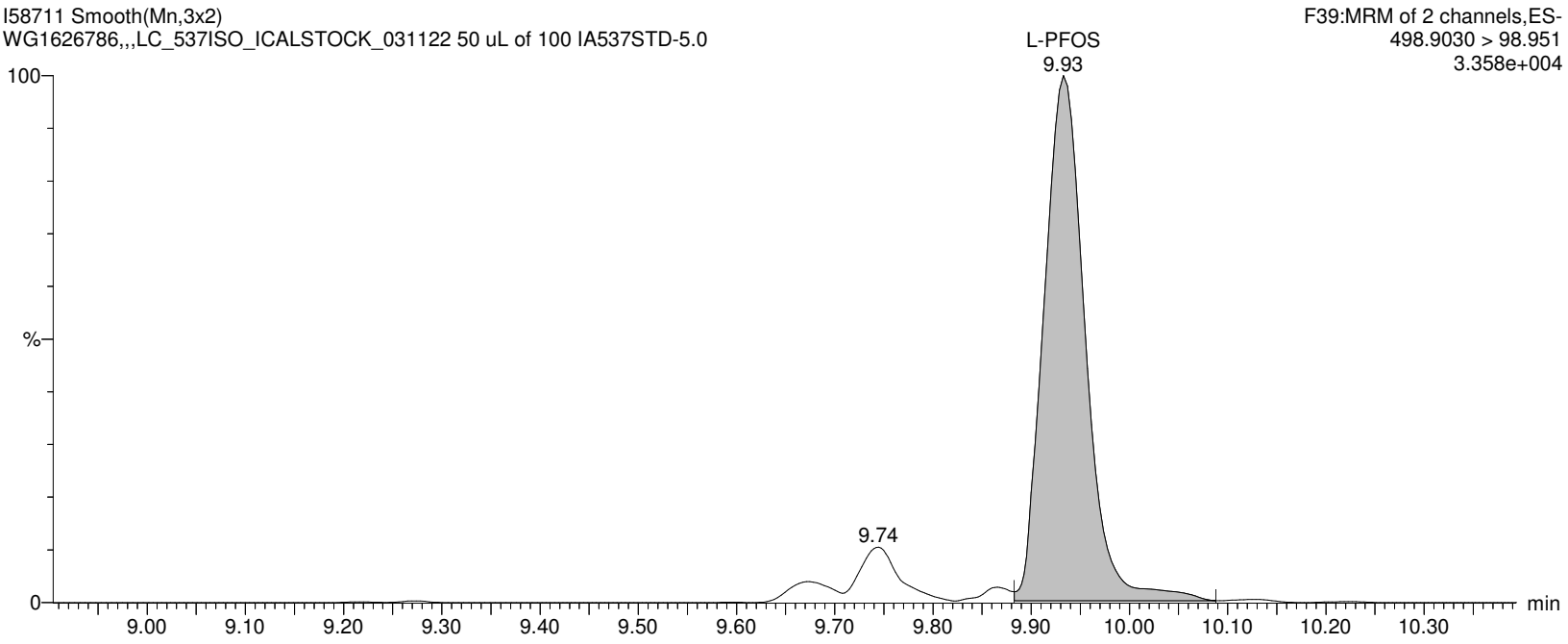
all concentration units in (ng/mL)

Alpha Analytical Inc.
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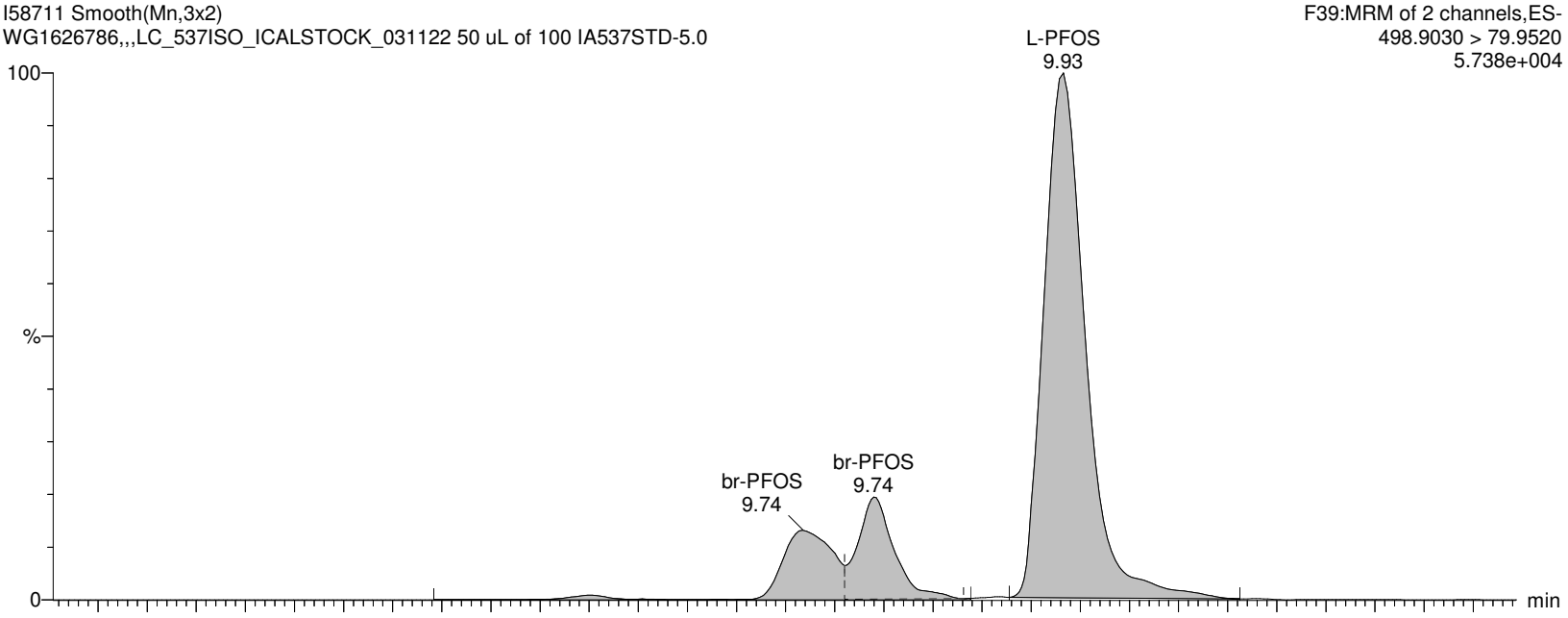


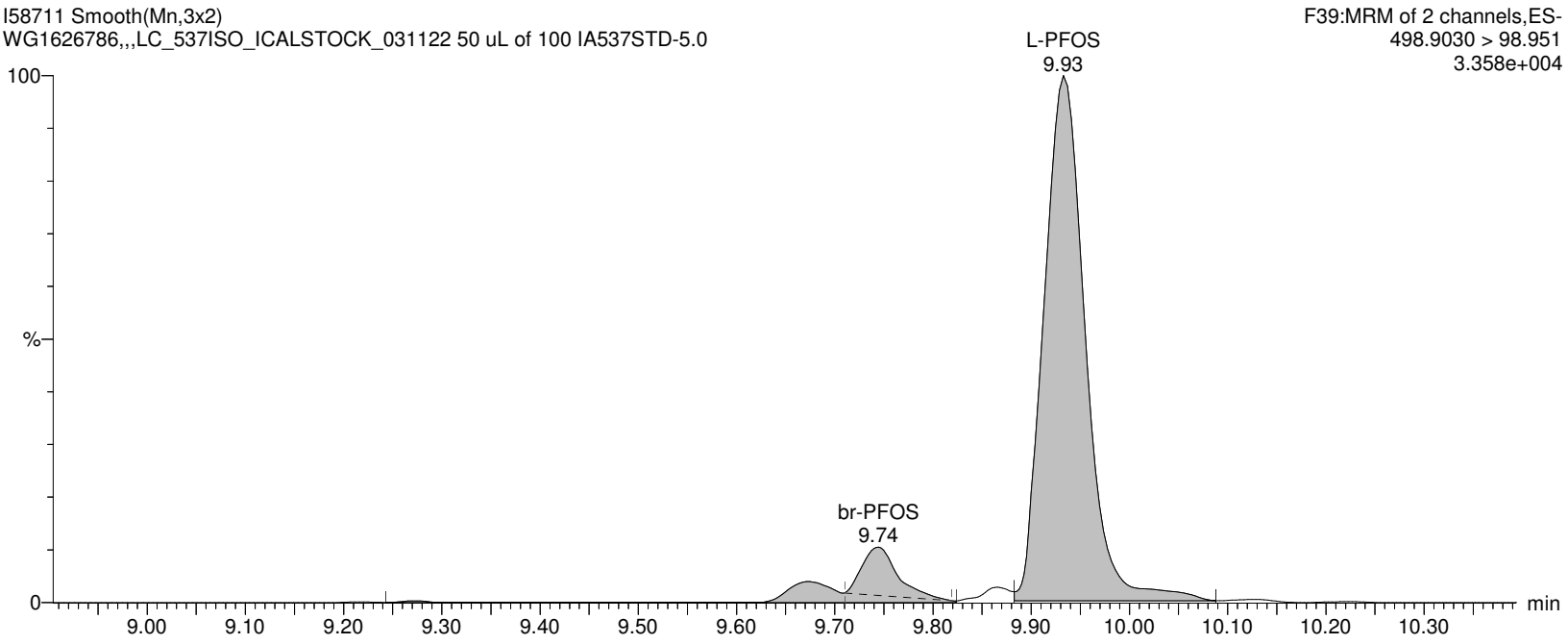
all concentration units in (ng/mL)

Alpha Analytical Inc.
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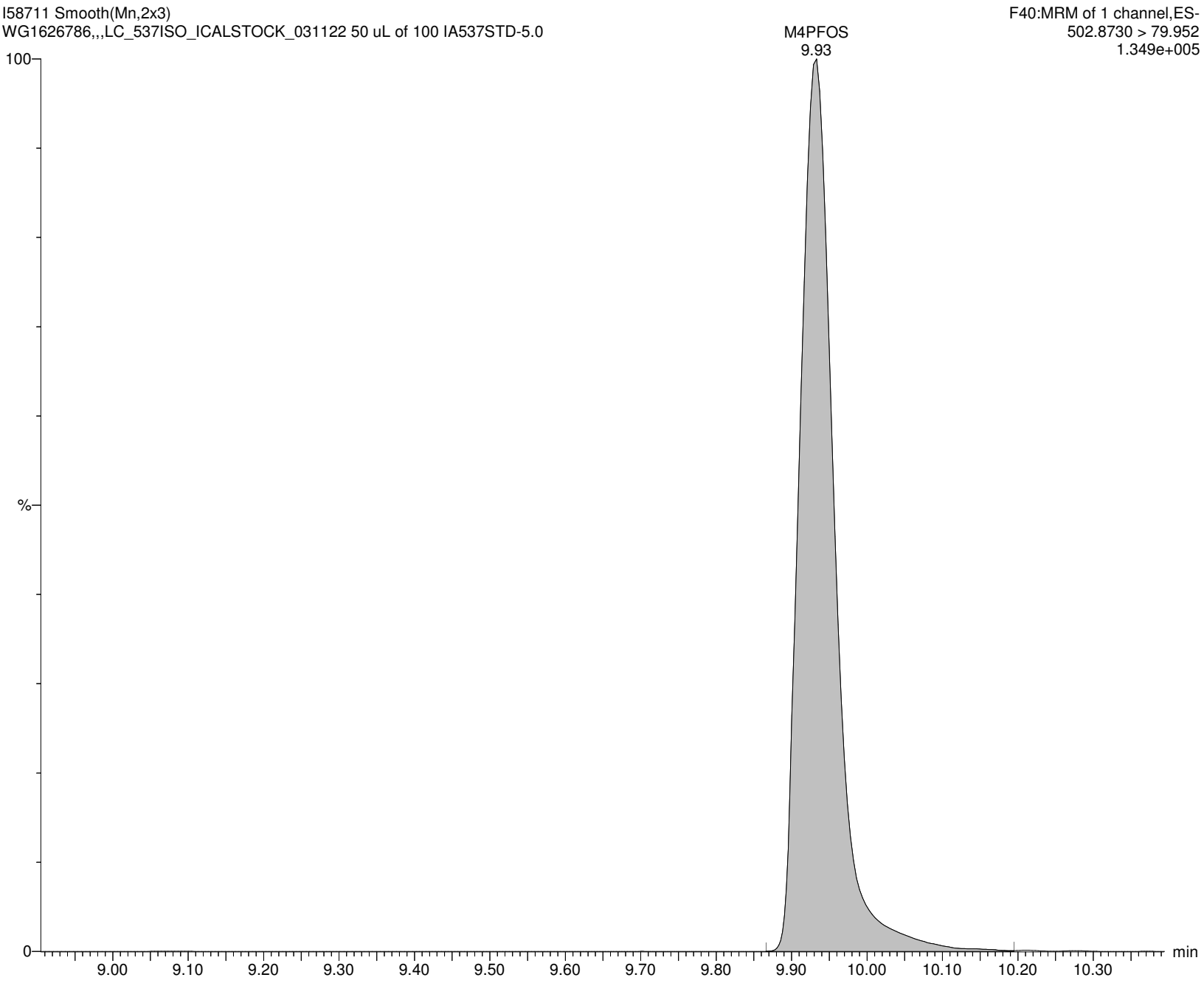


all concentration units in (ng/mL)

Alpha Analytical Inc.
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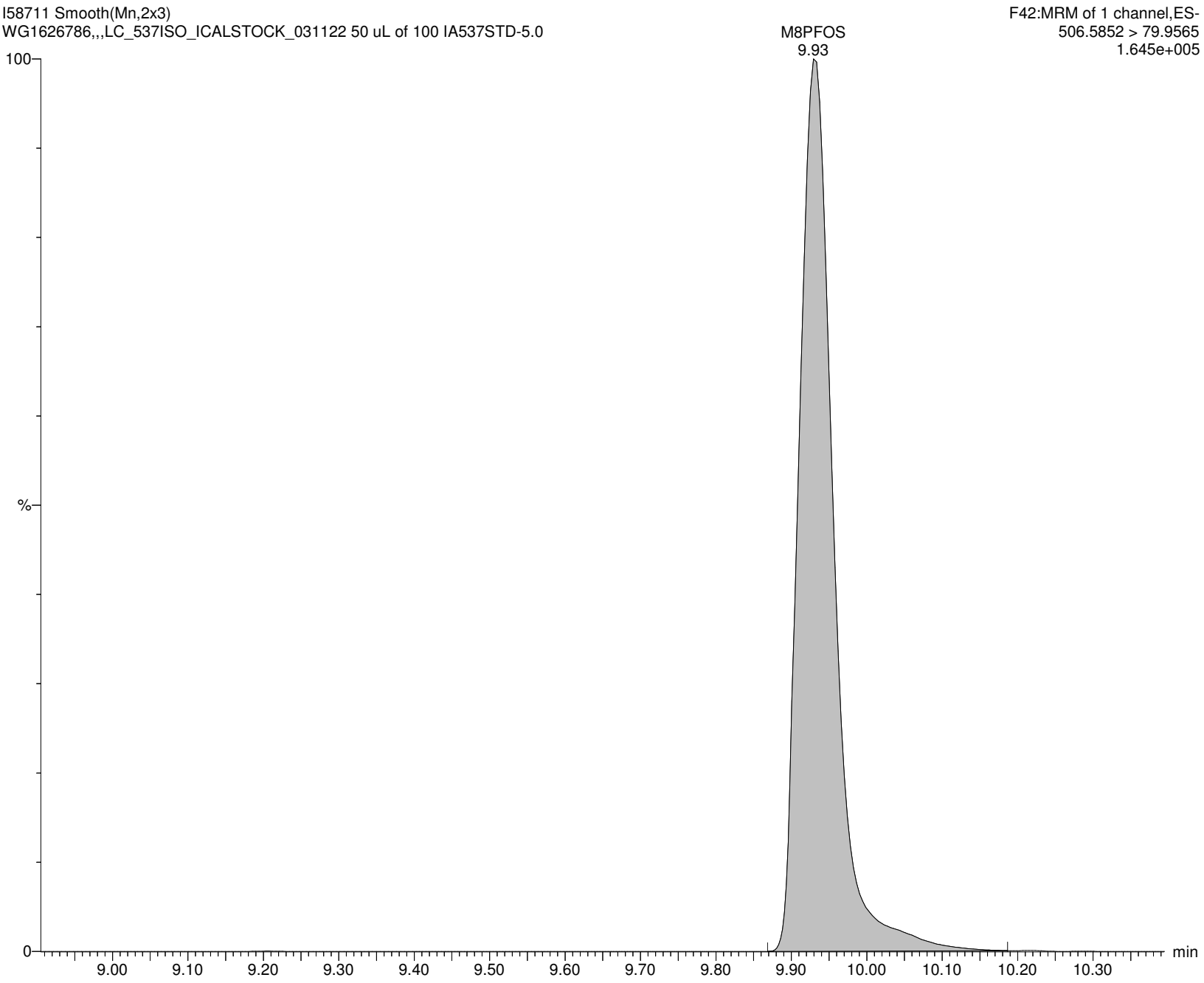


all concentration units in (ng/mL)

Alpha Analytical Inc.
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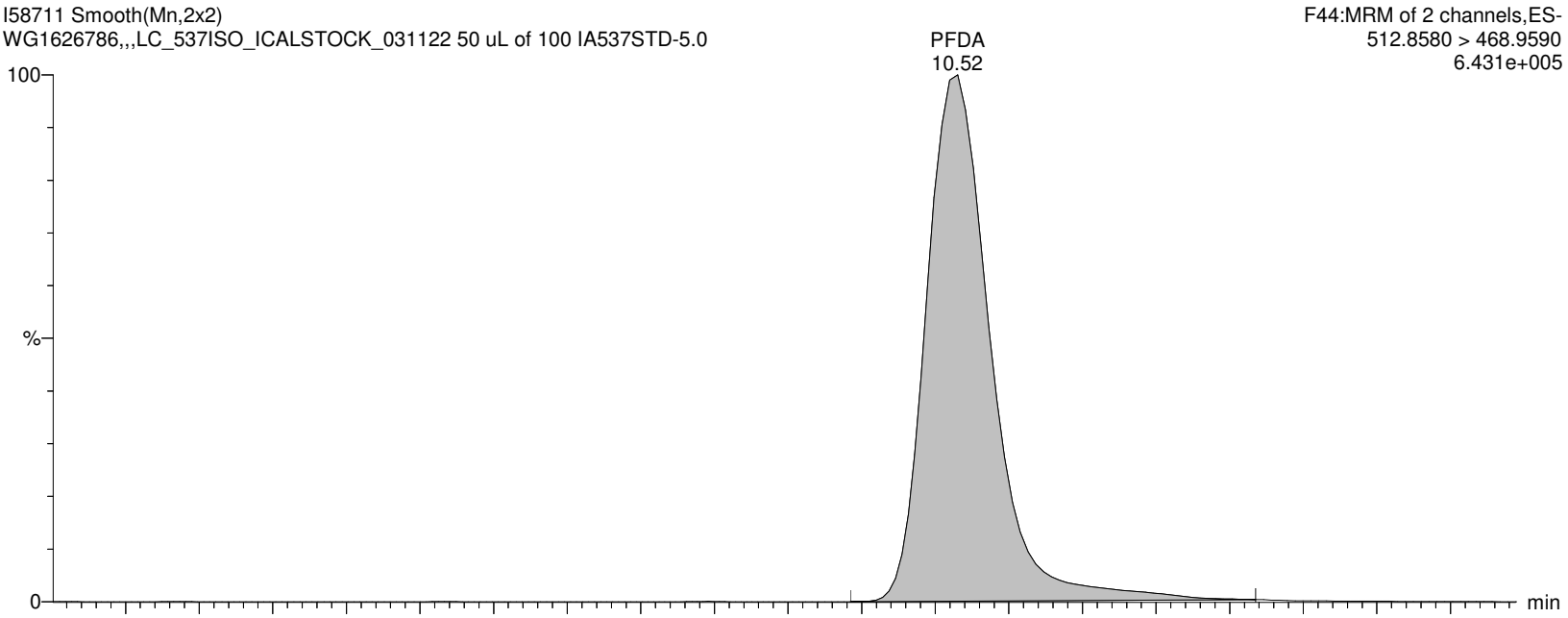


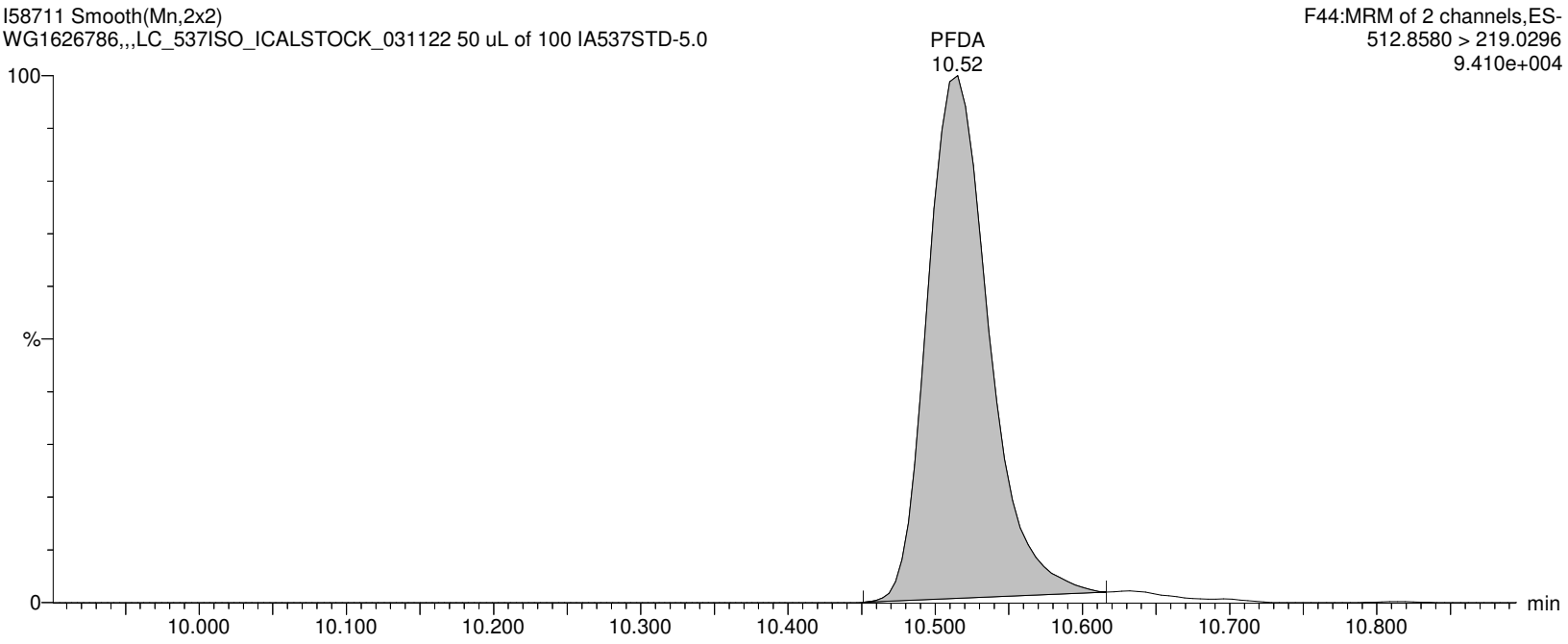
all concentration units in (ng/mL)

Alpha Analytical Inc.
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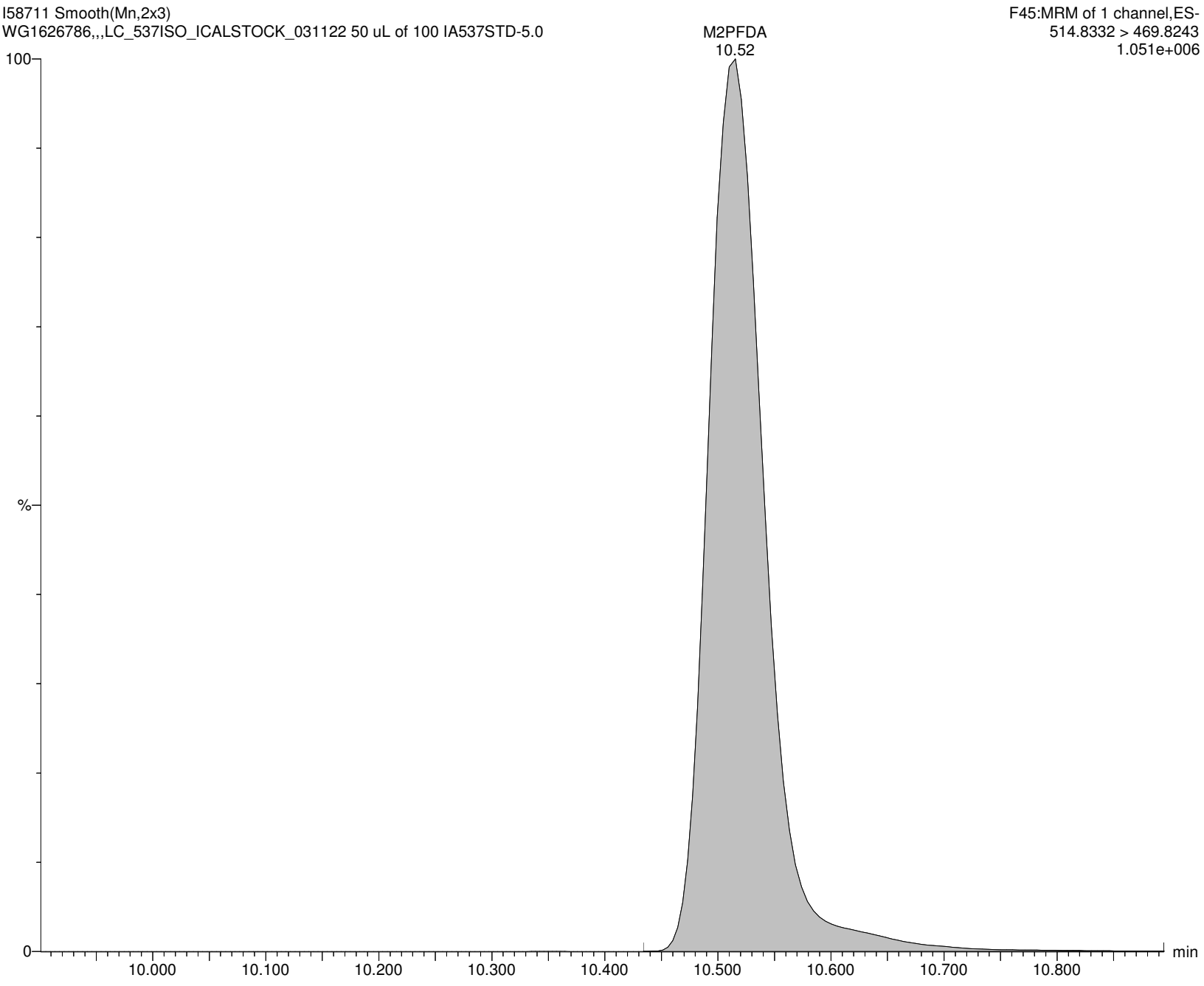


all concentration units in (ng/mL)

Alpha Analytical Inc.
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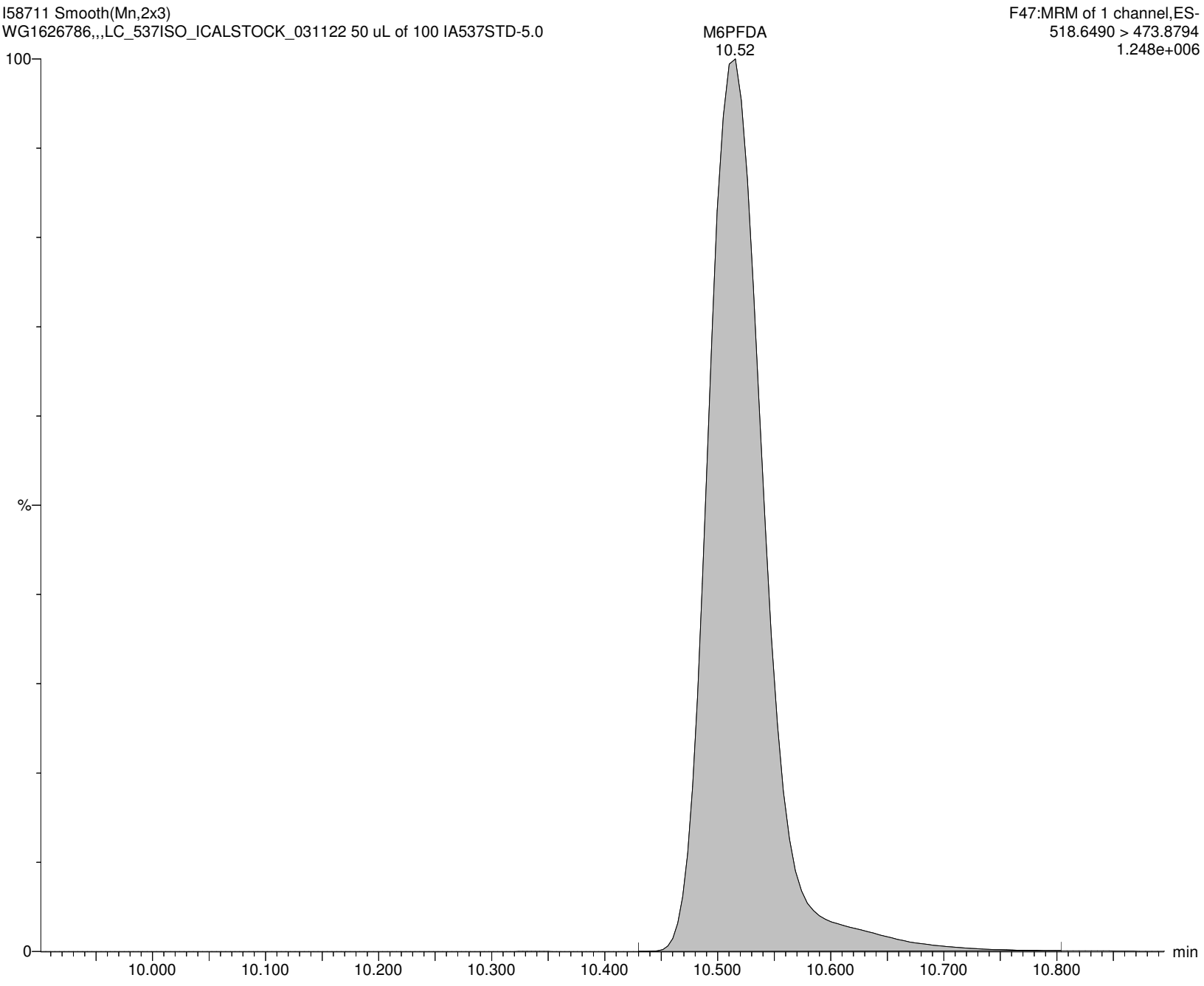


all concentration units in (ng/mL)

Alpha Analytical Inc.
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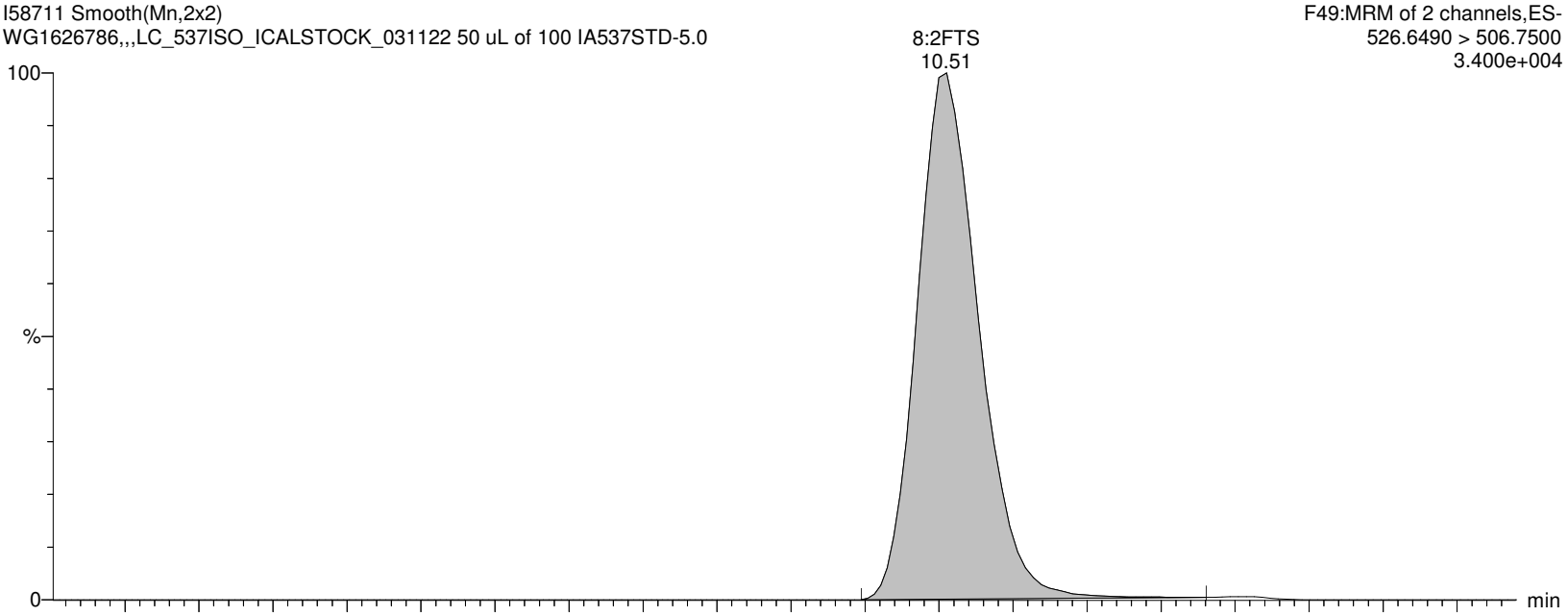


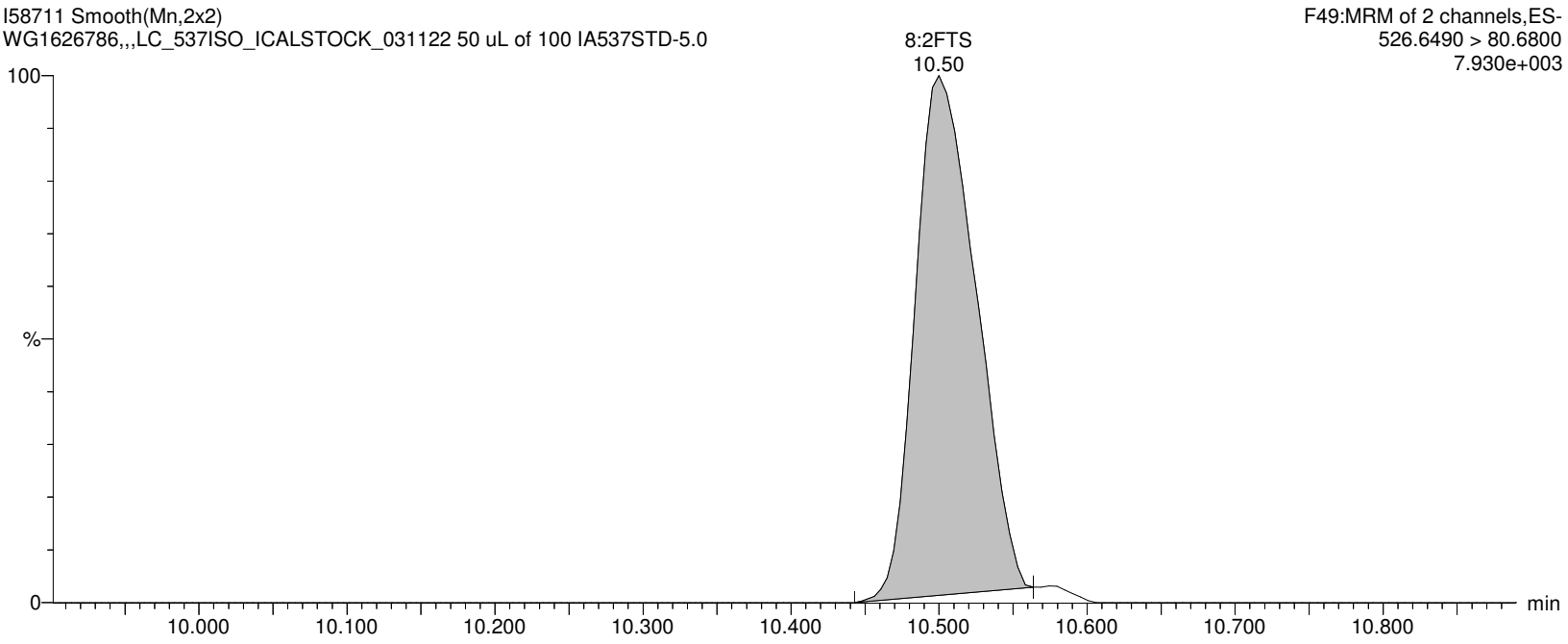
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



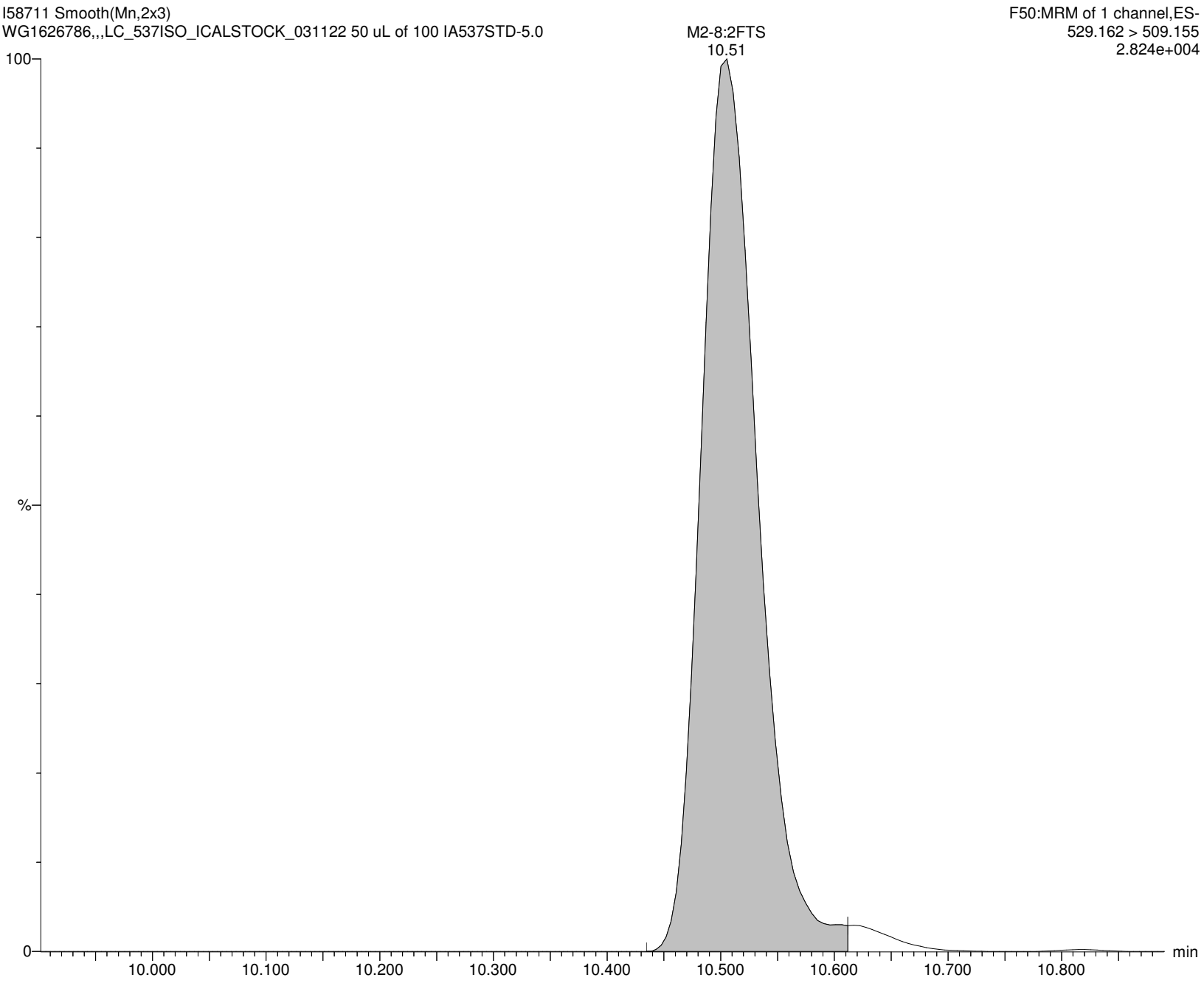


all concentration units in (ng/mL)

Alpha Analytical Inc.
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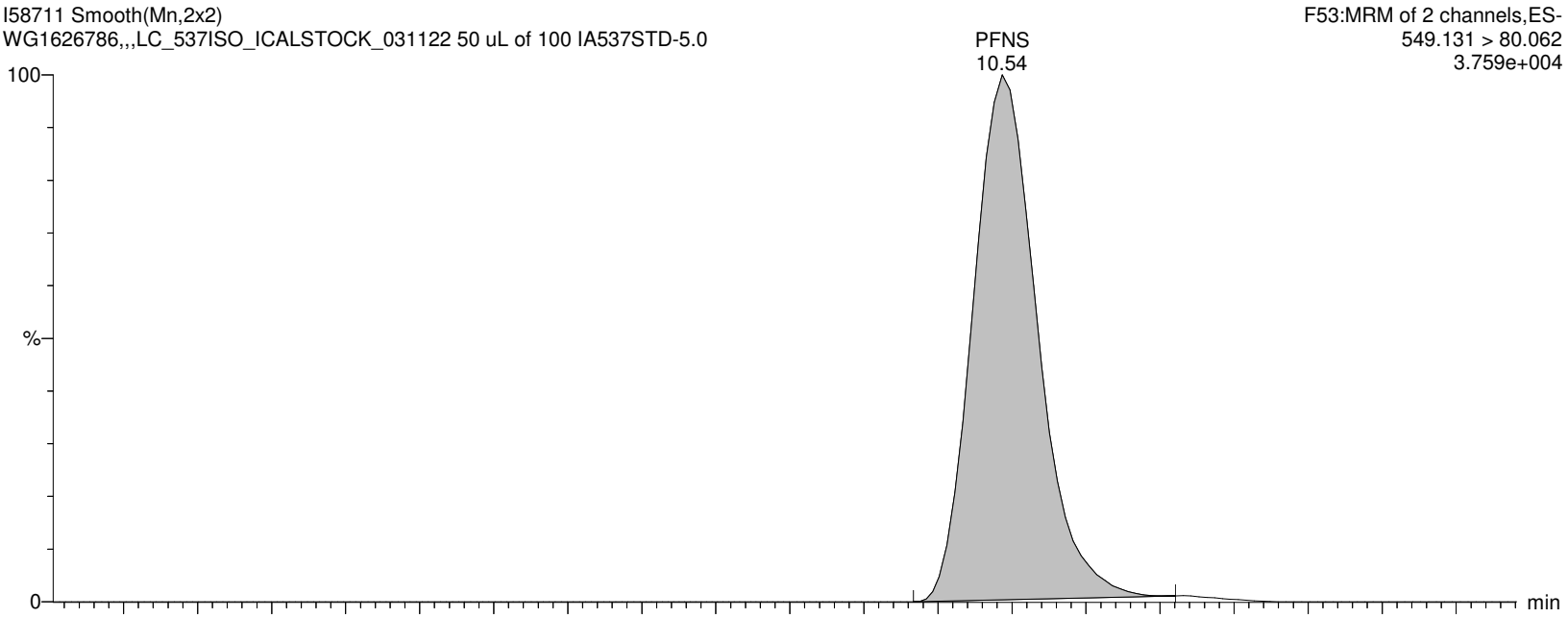


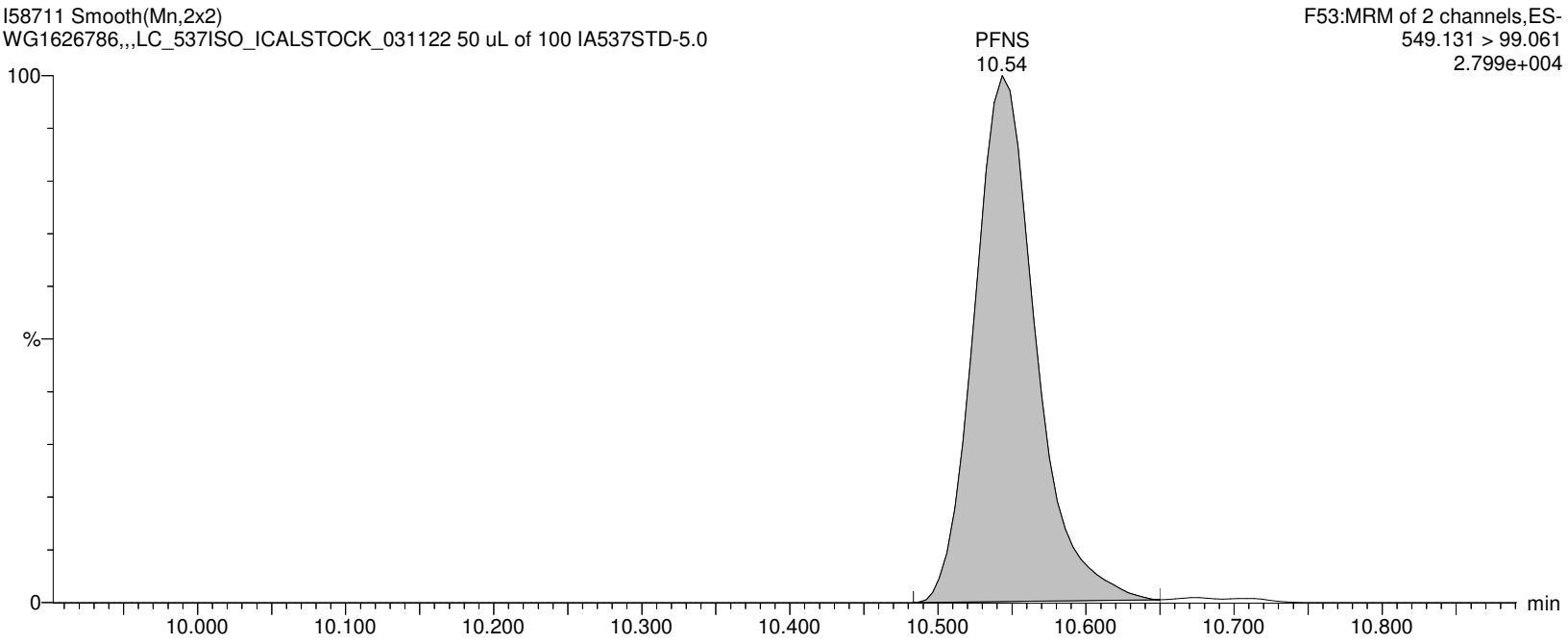
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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PFNS



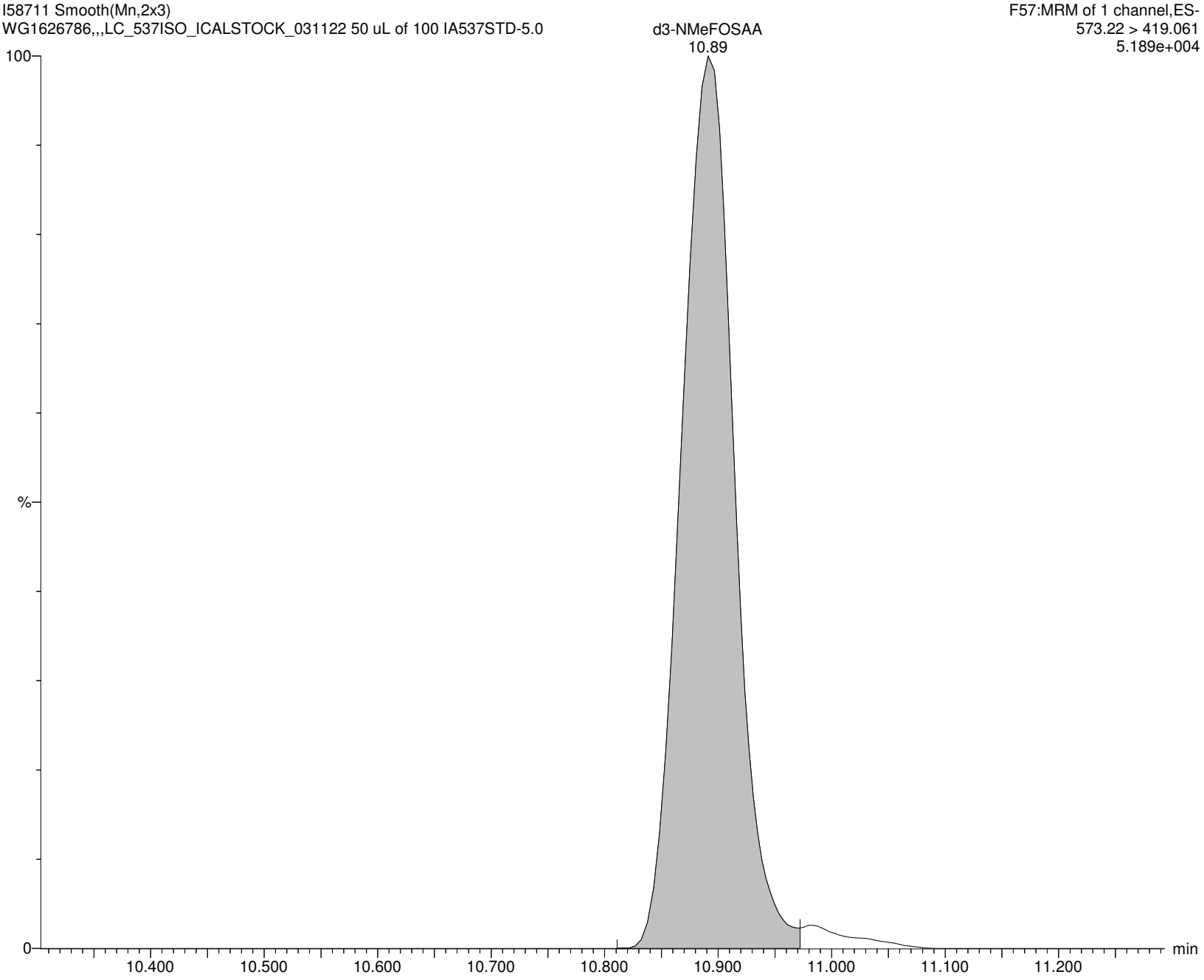


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:06:20
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Vial: 1:A,5
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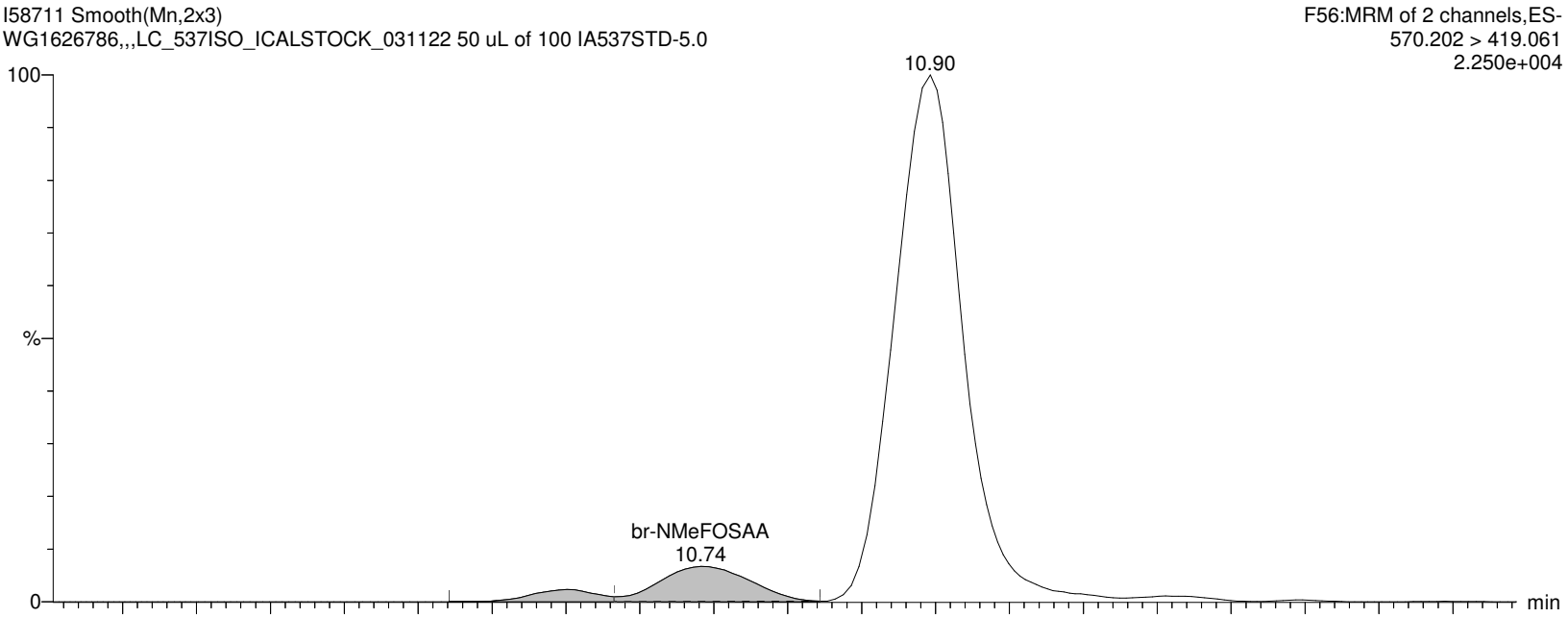


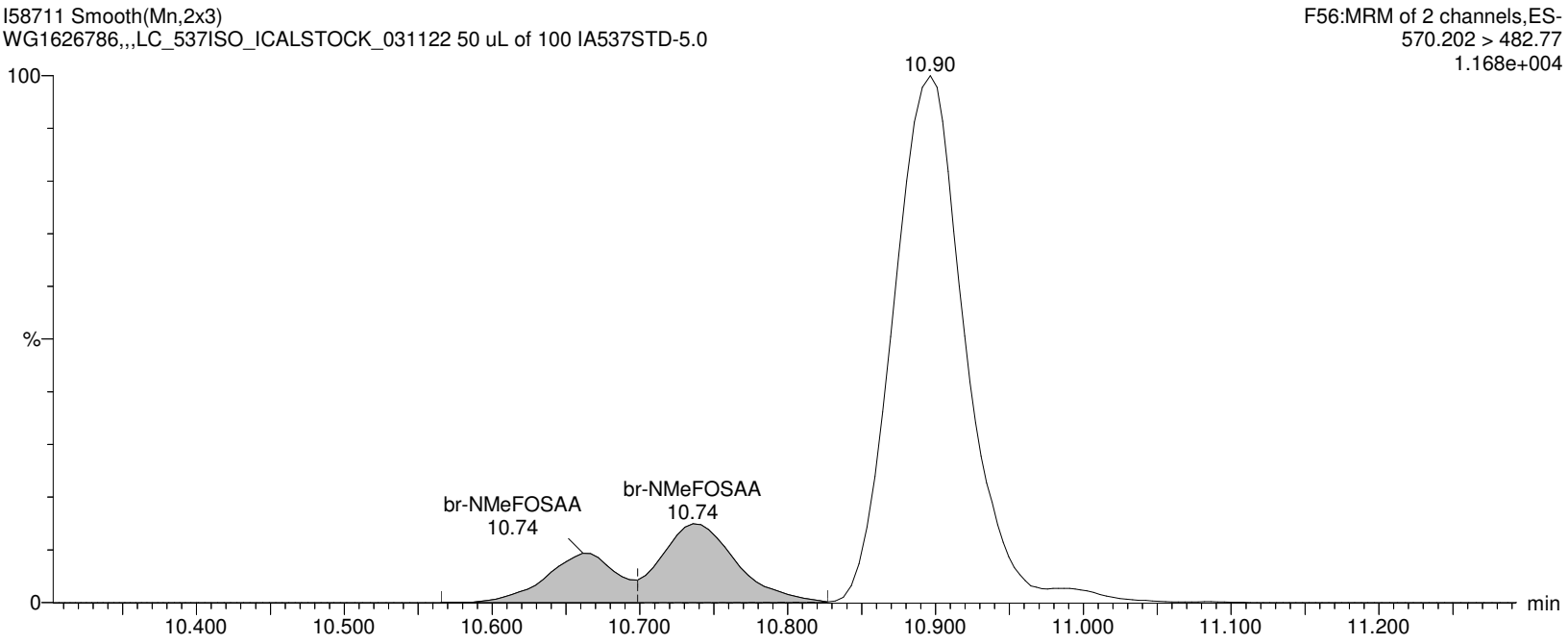
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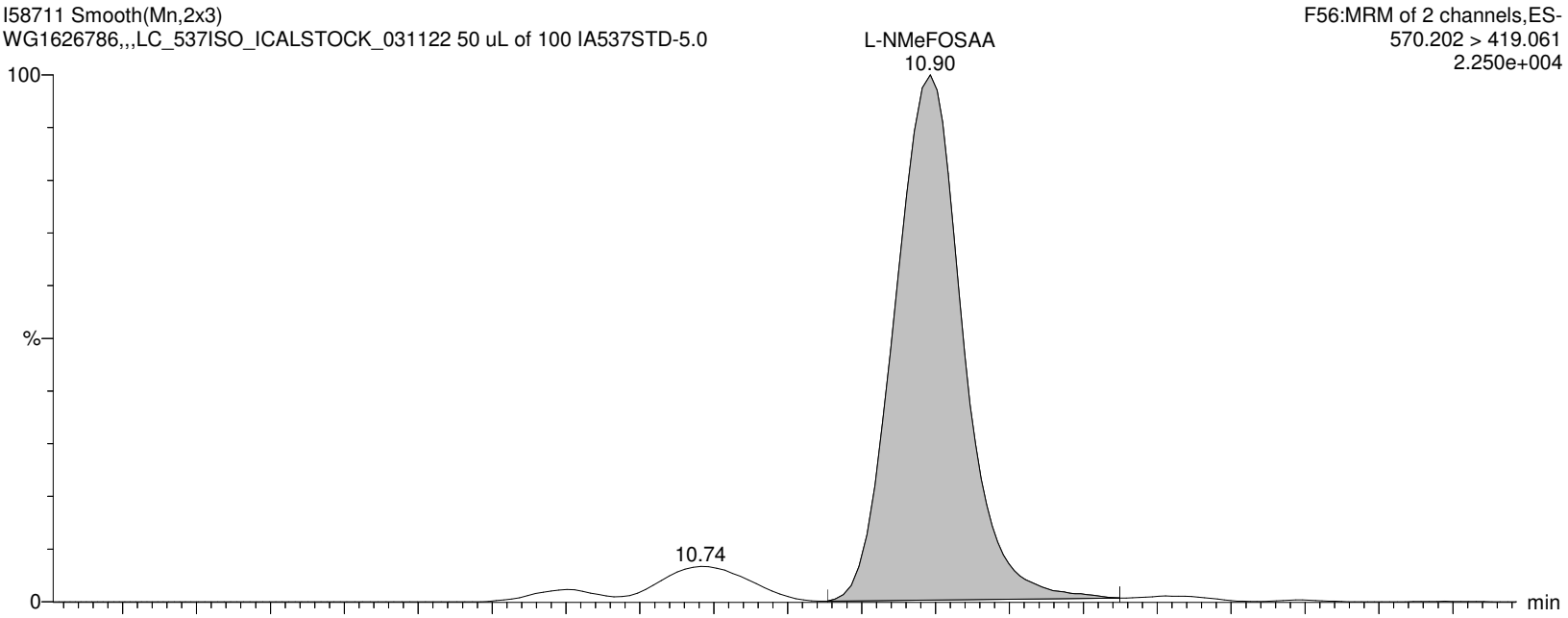


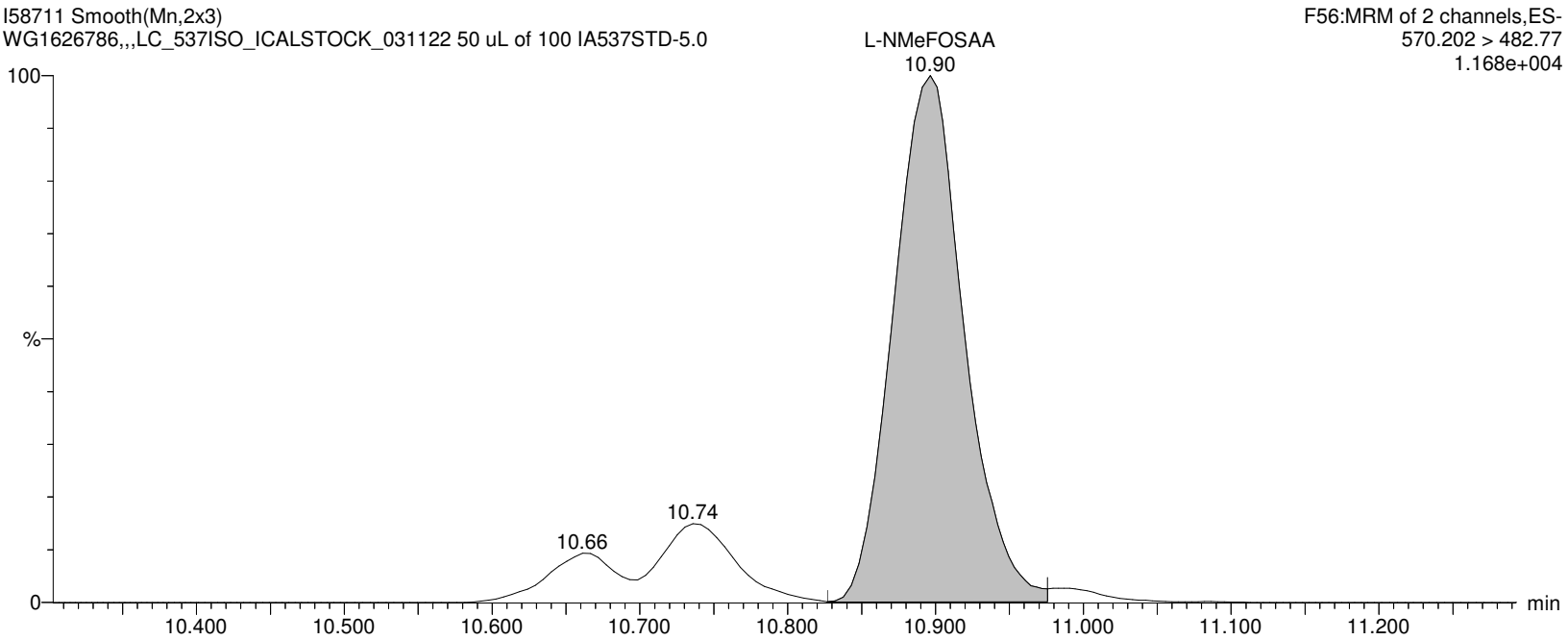
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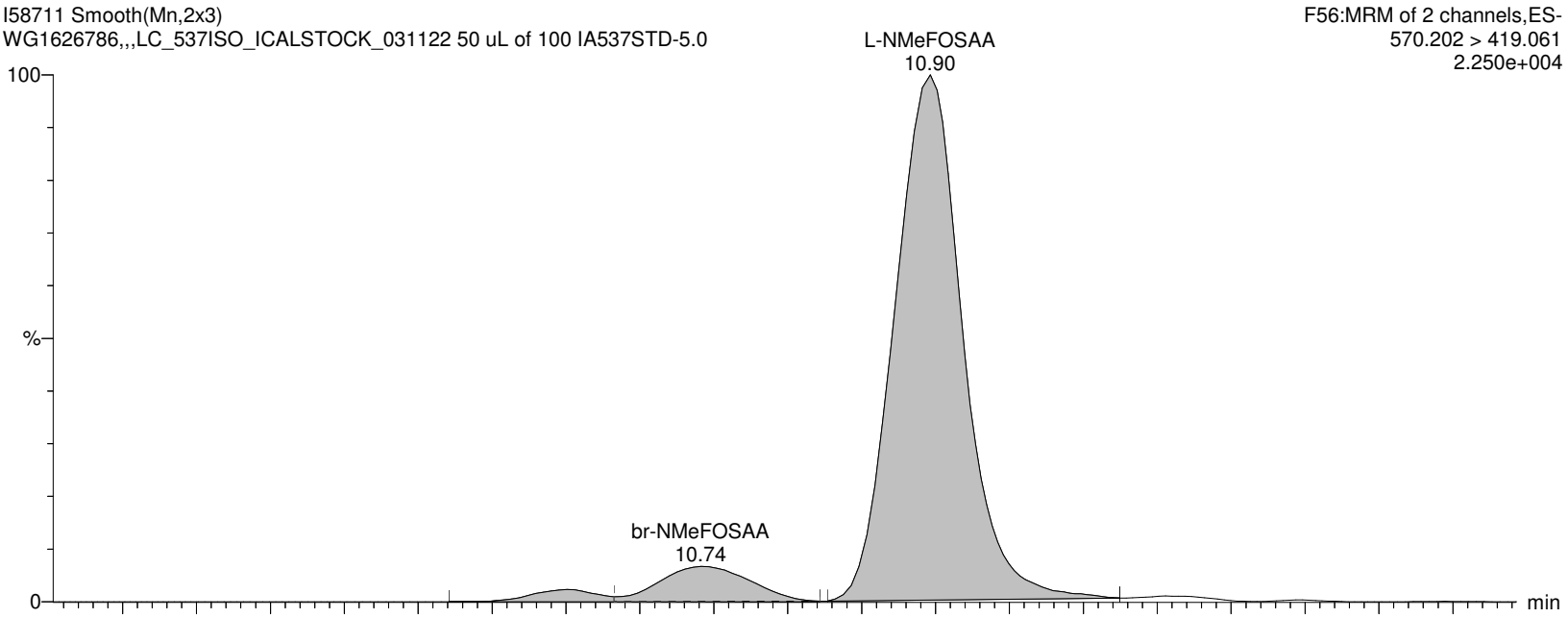


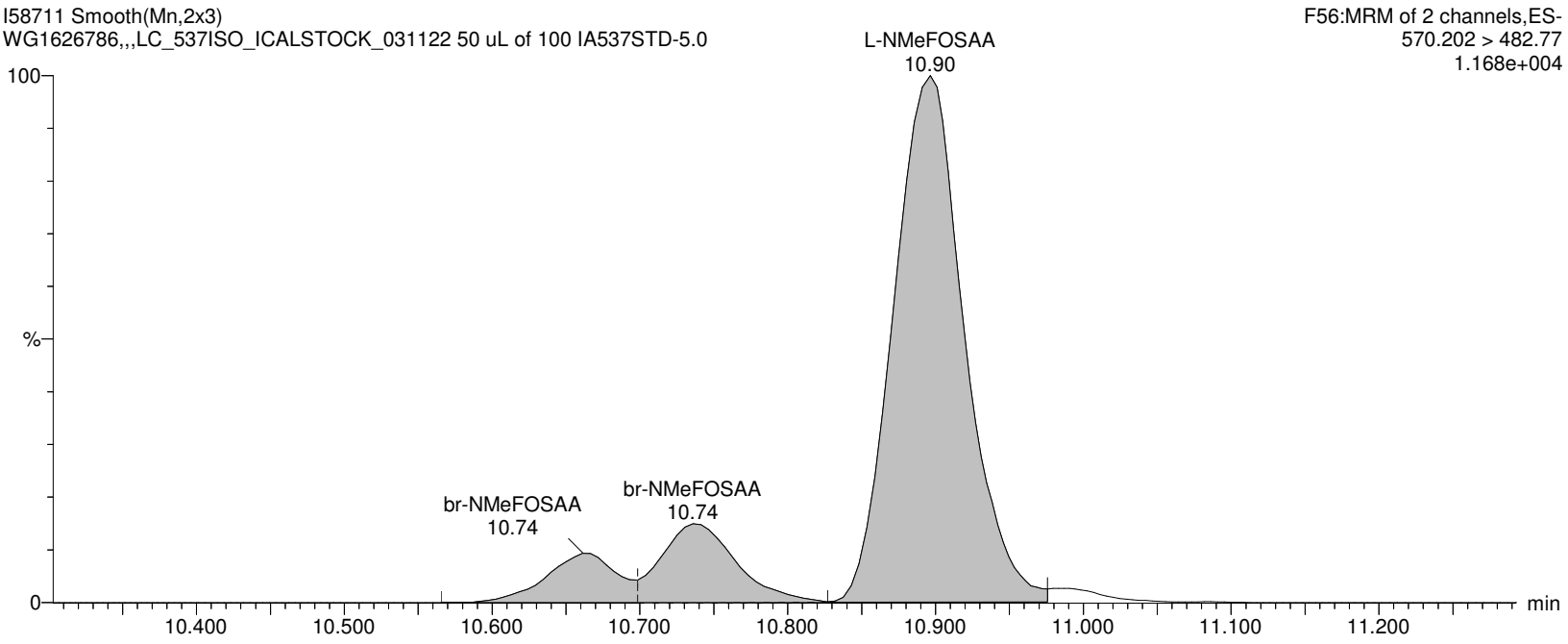
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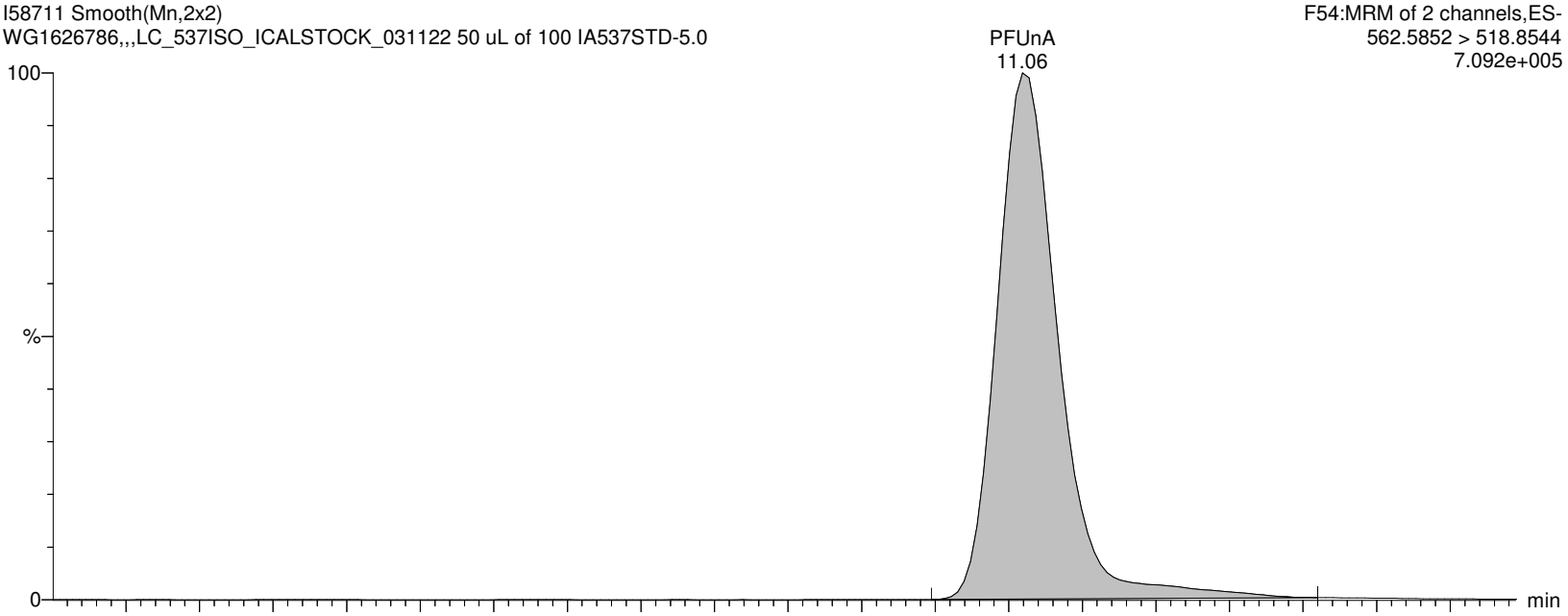


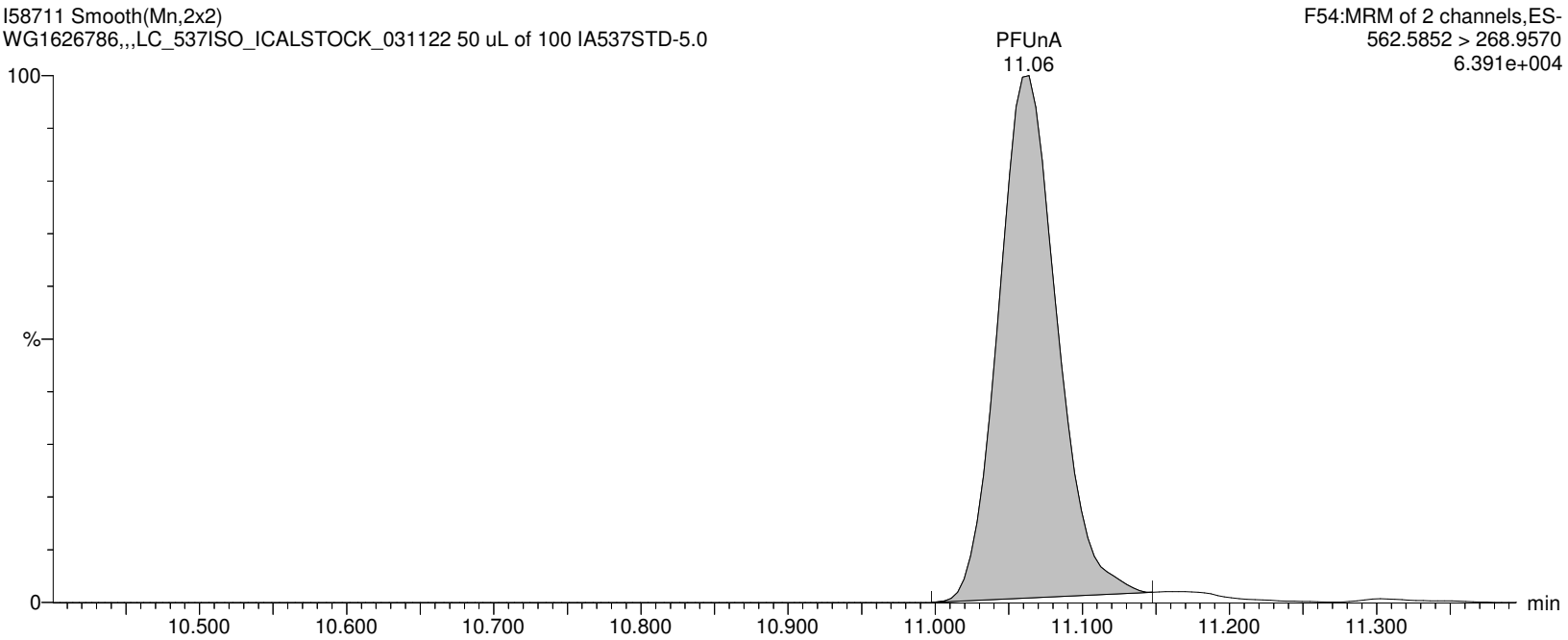
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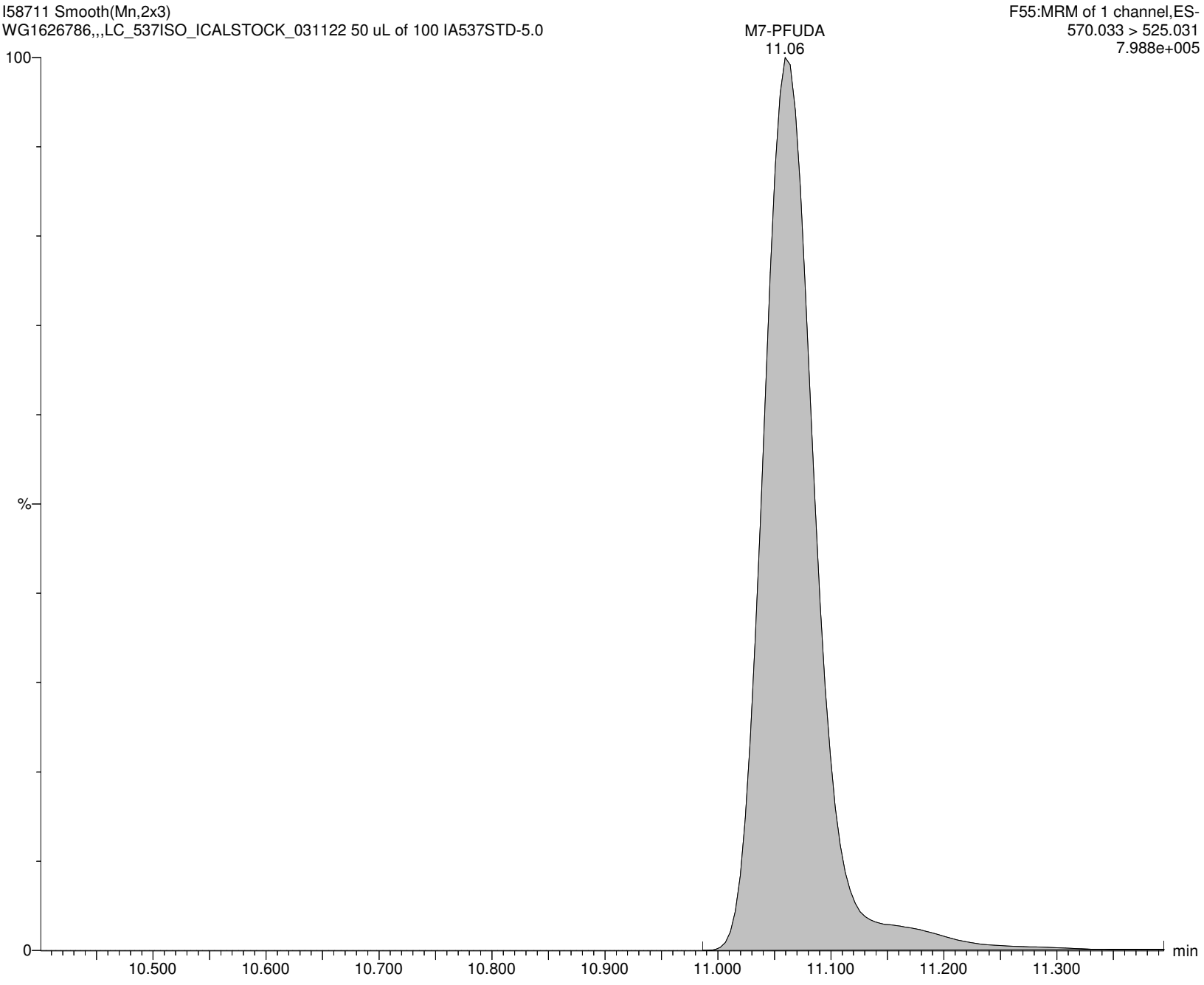


all concentration units in (ng/mL)

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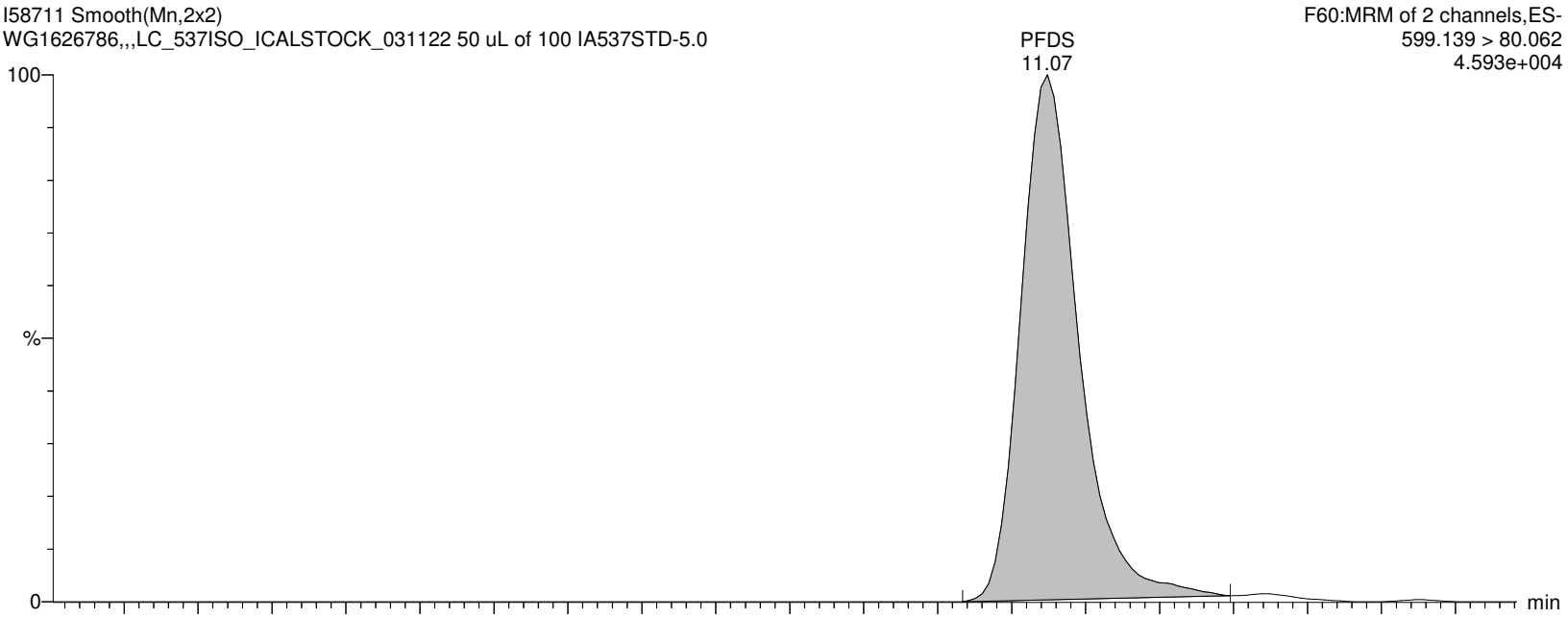


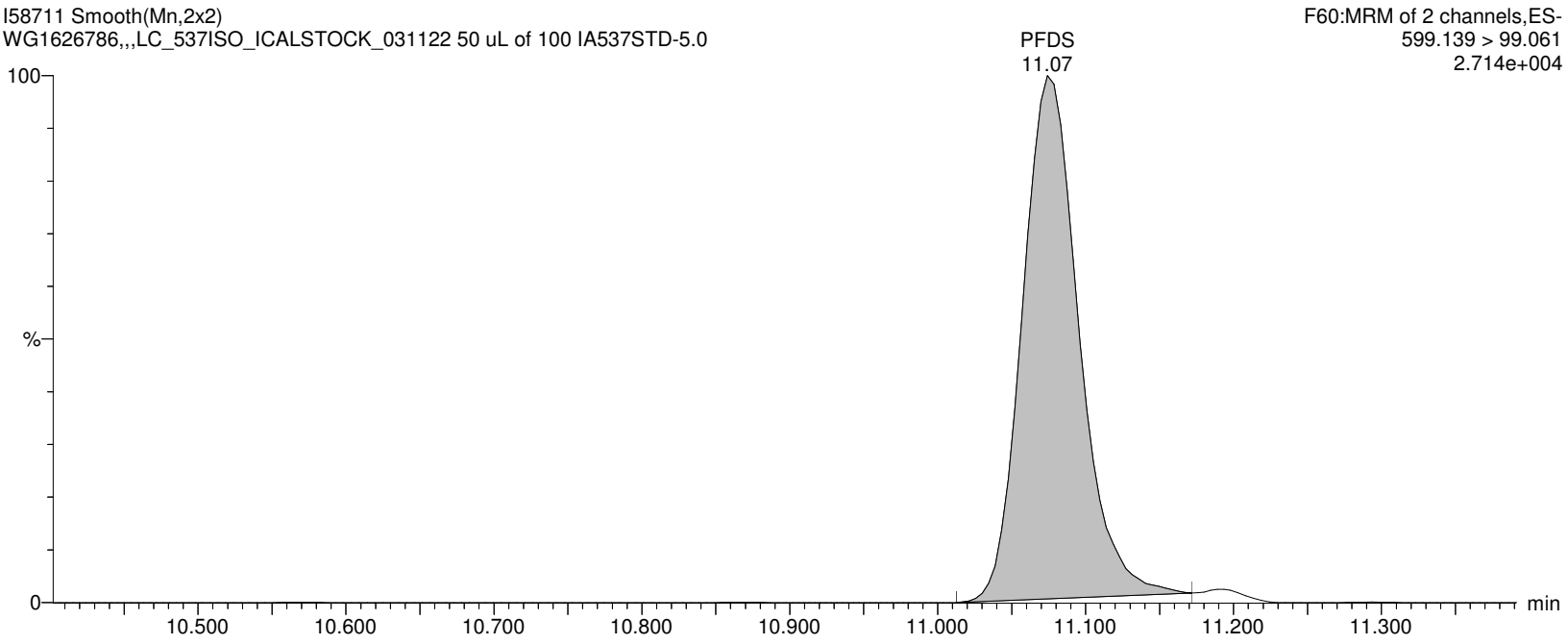
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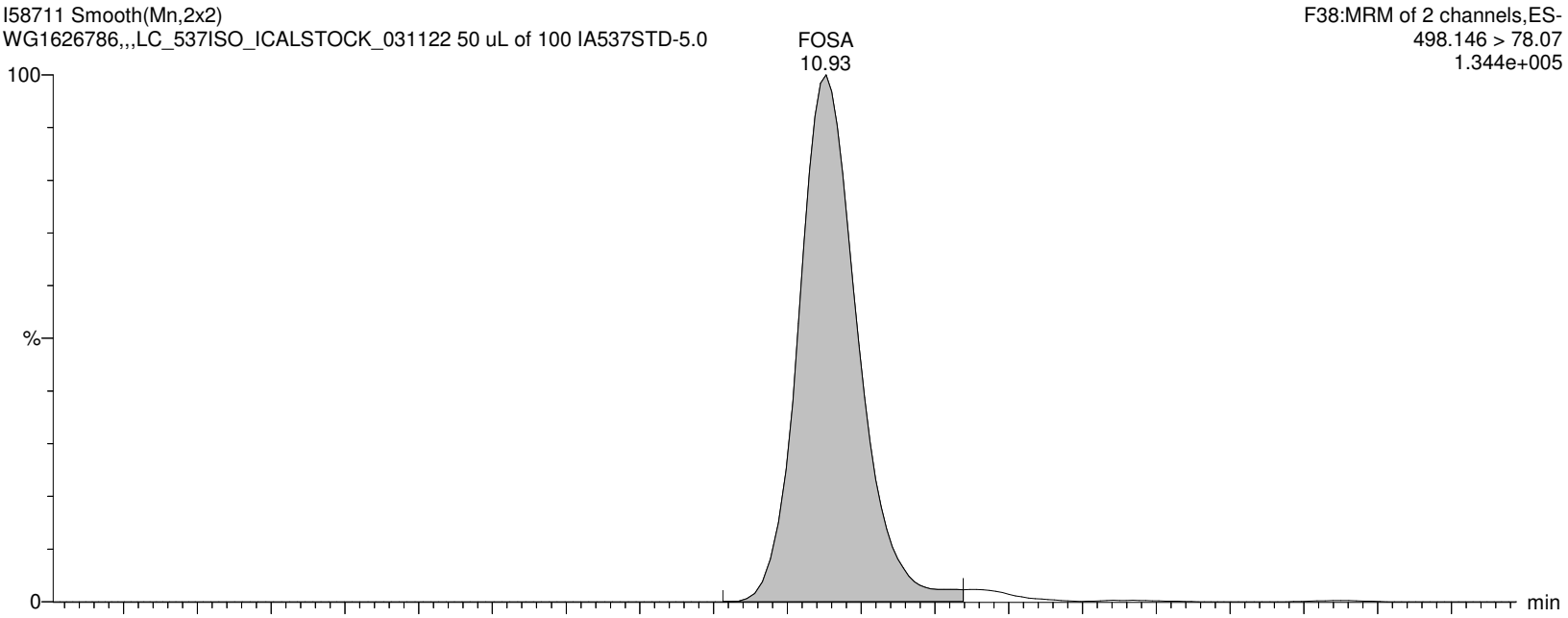


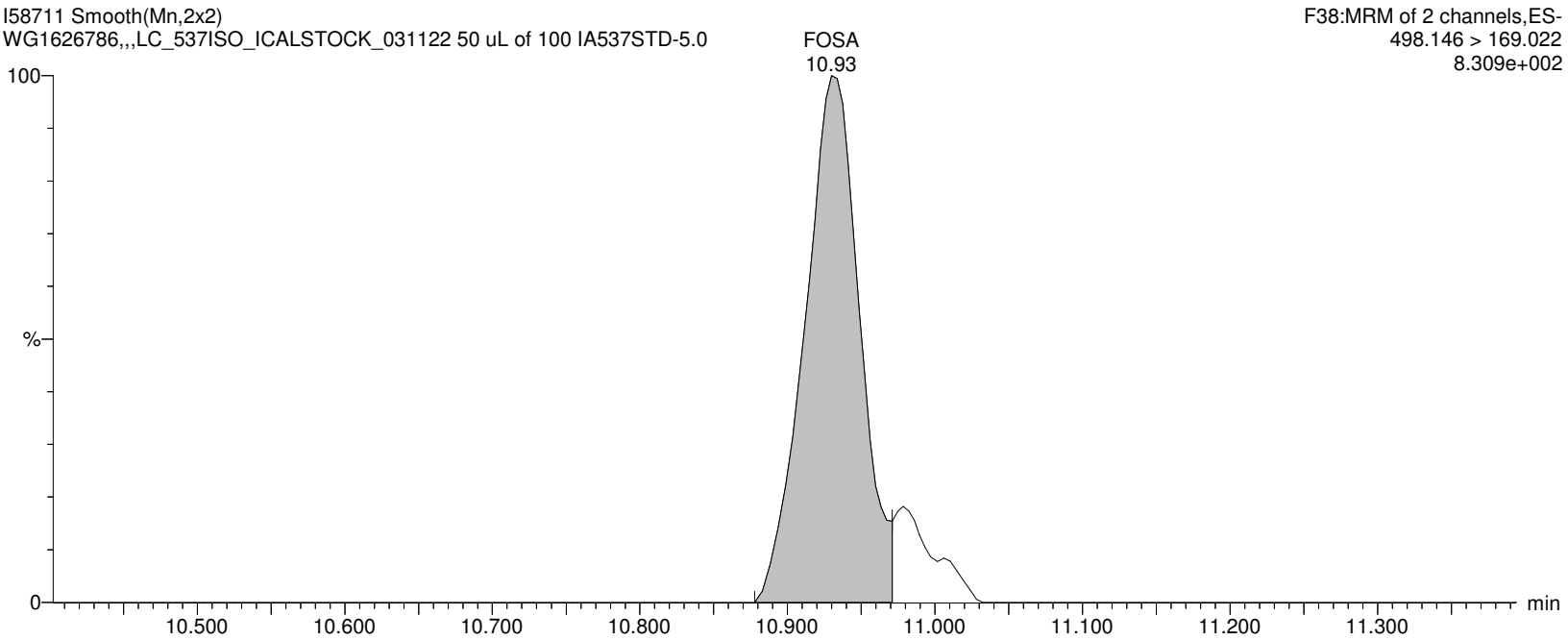
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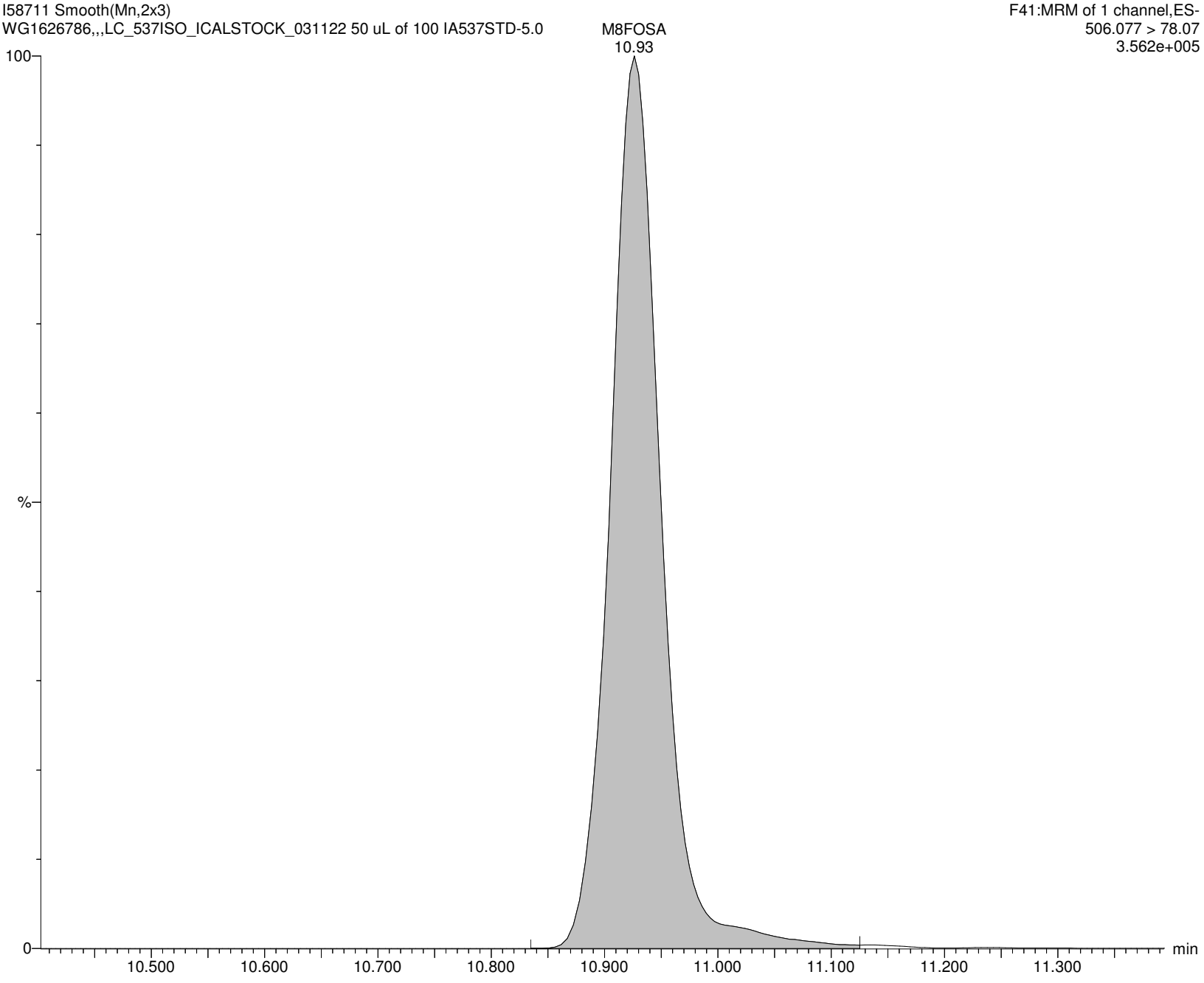


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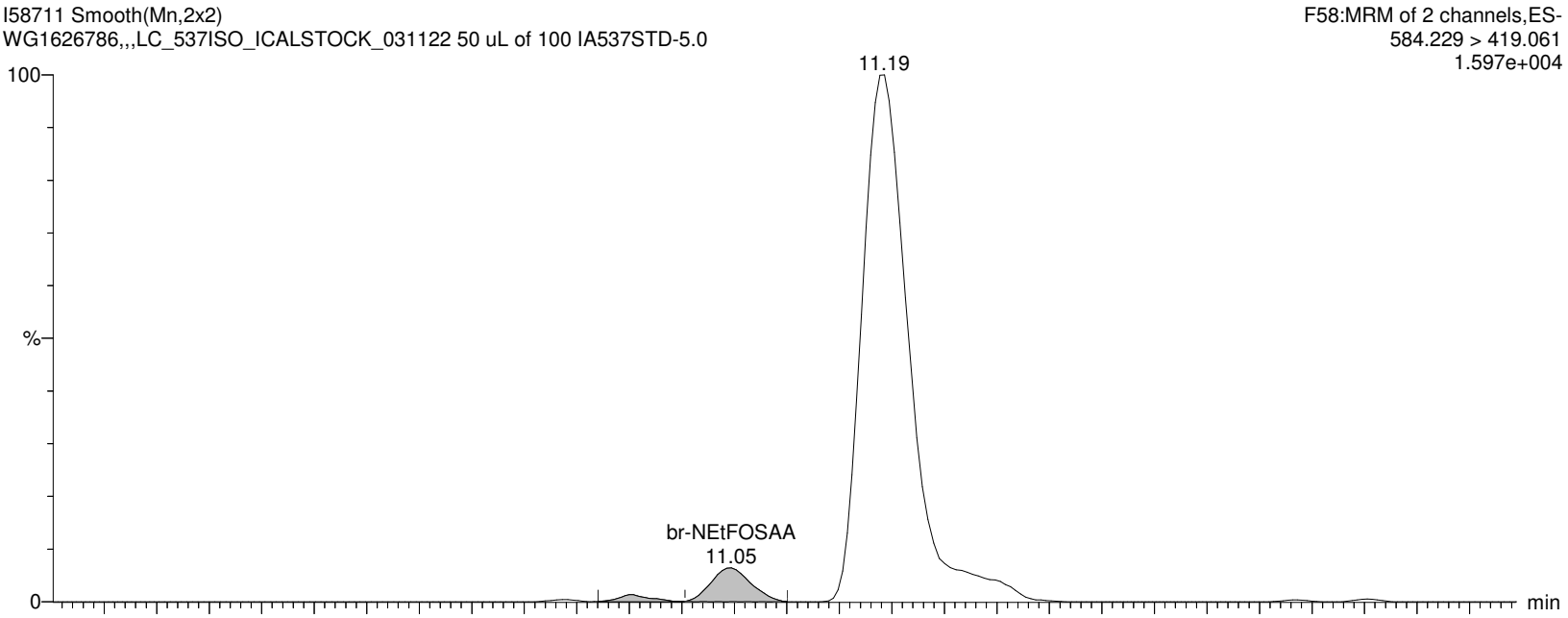


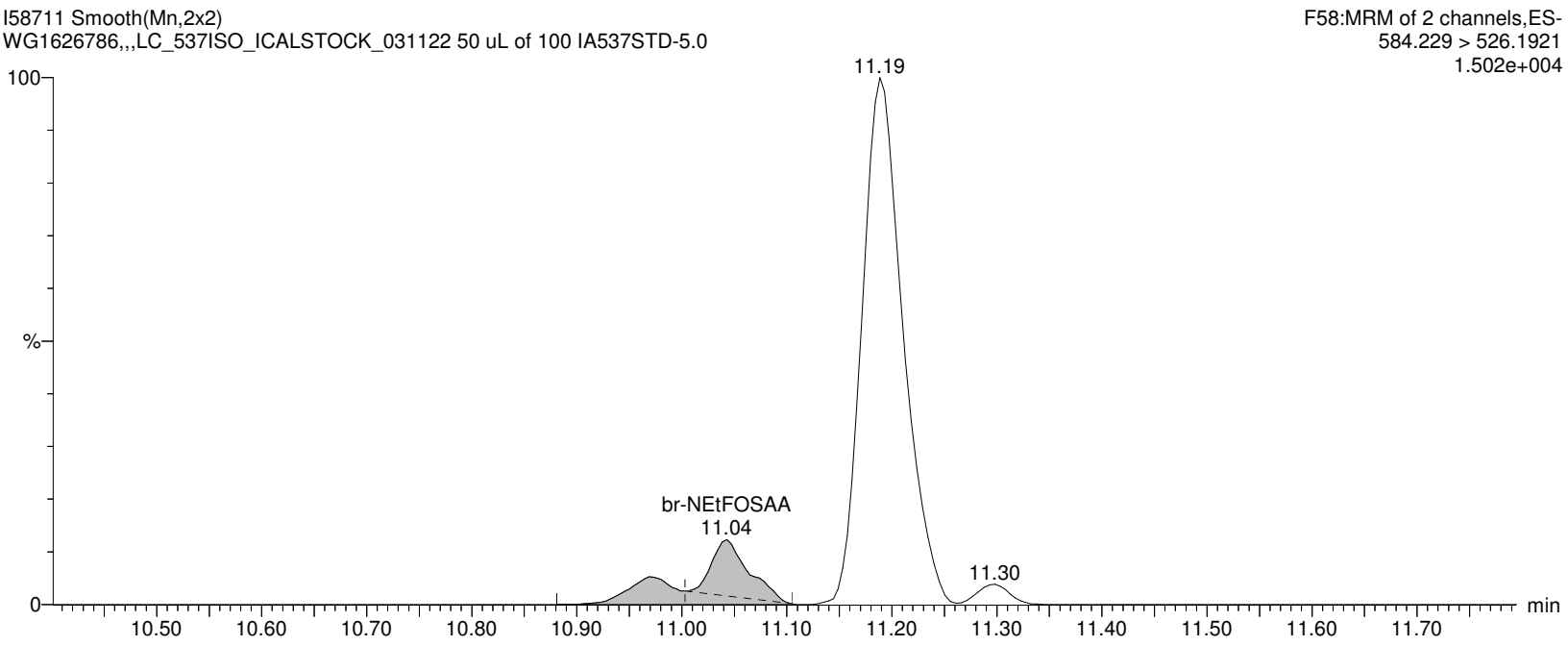
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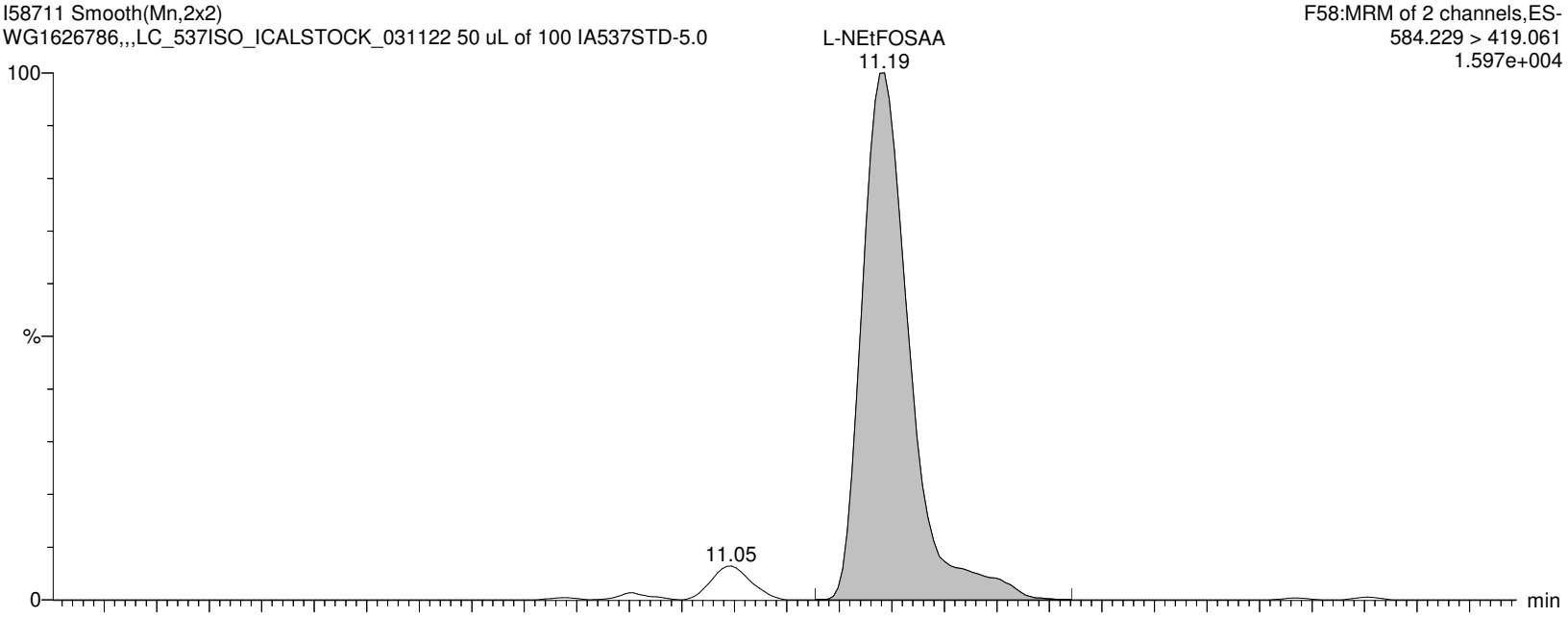


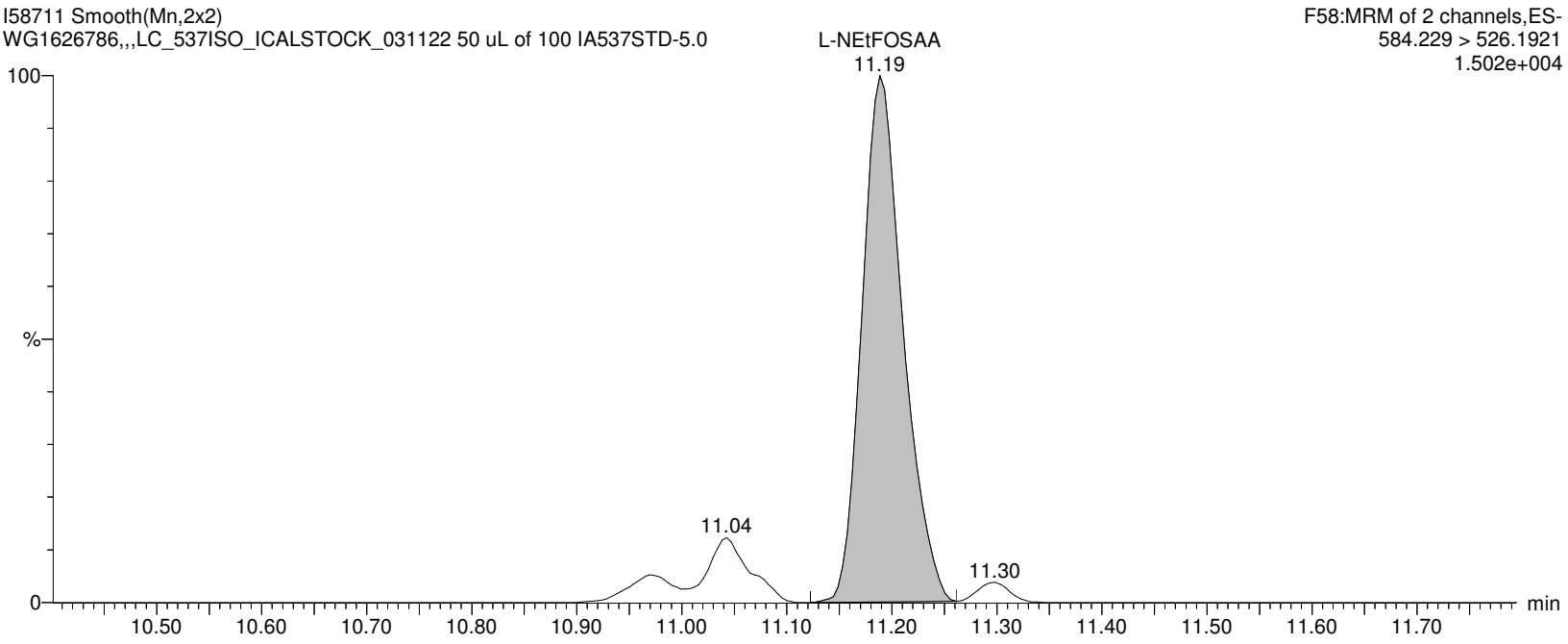
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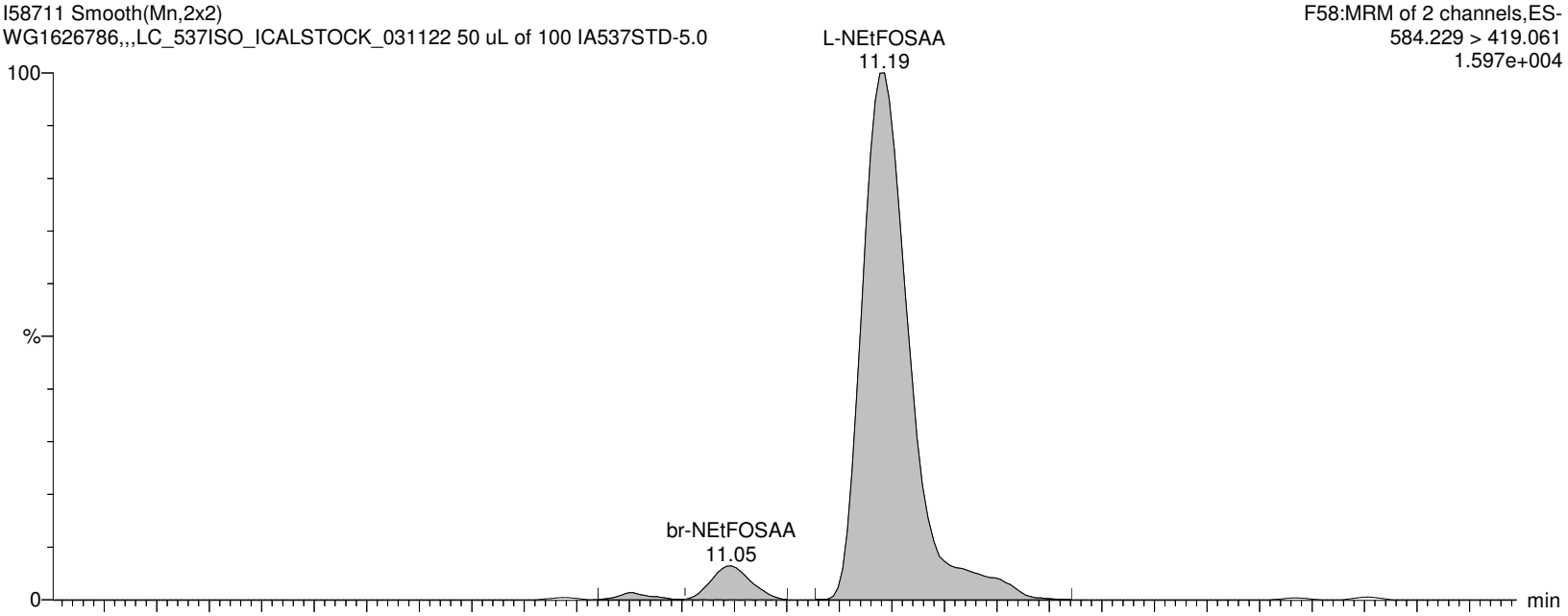


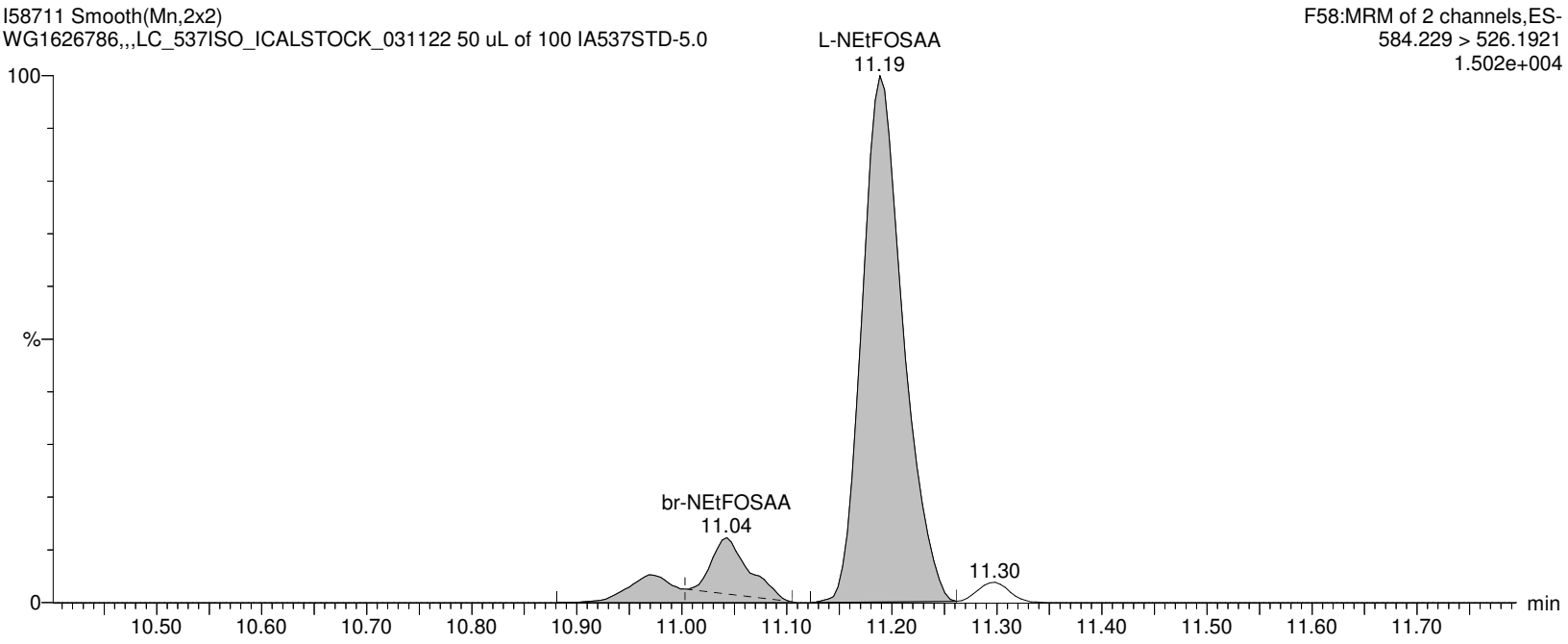
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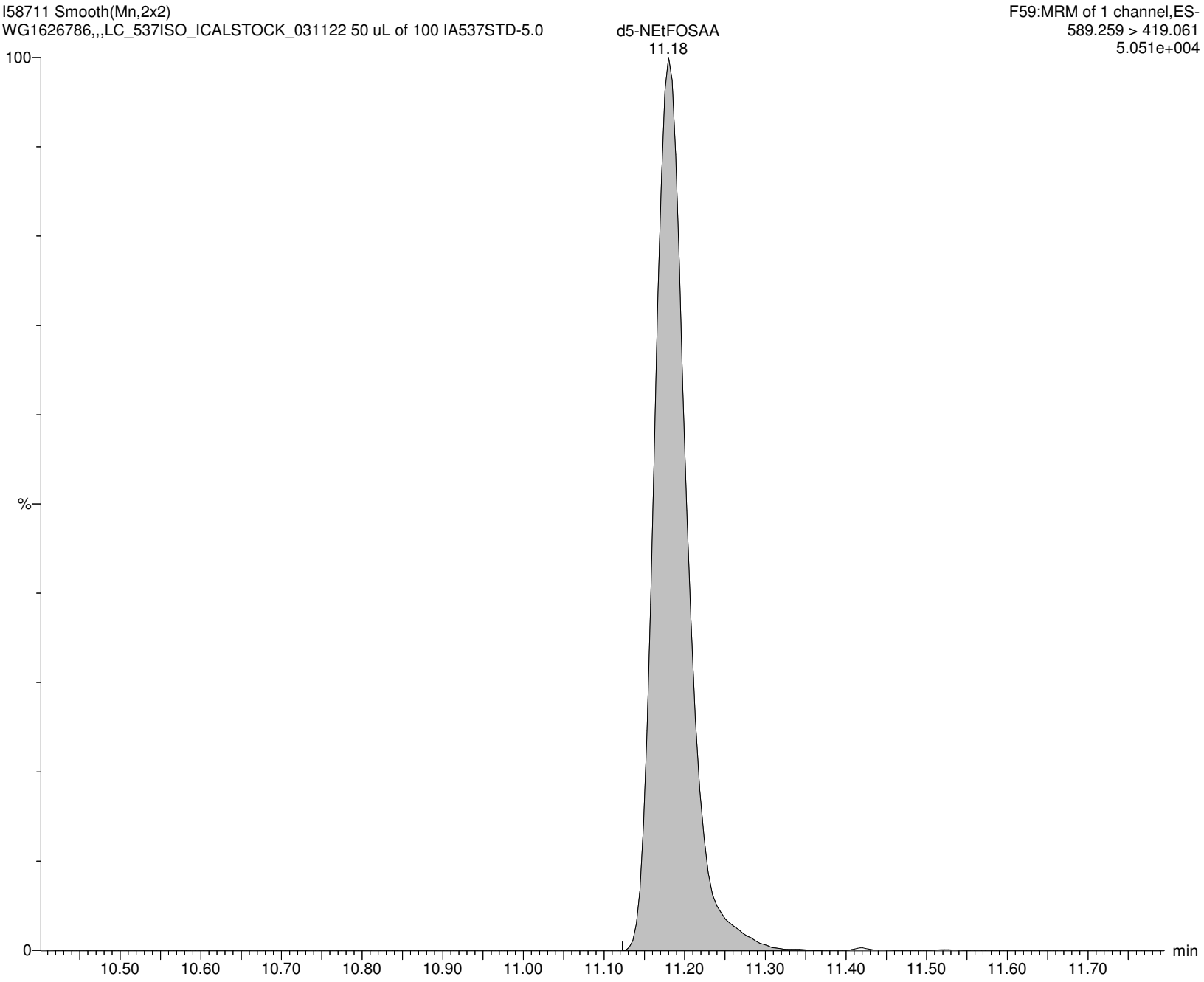


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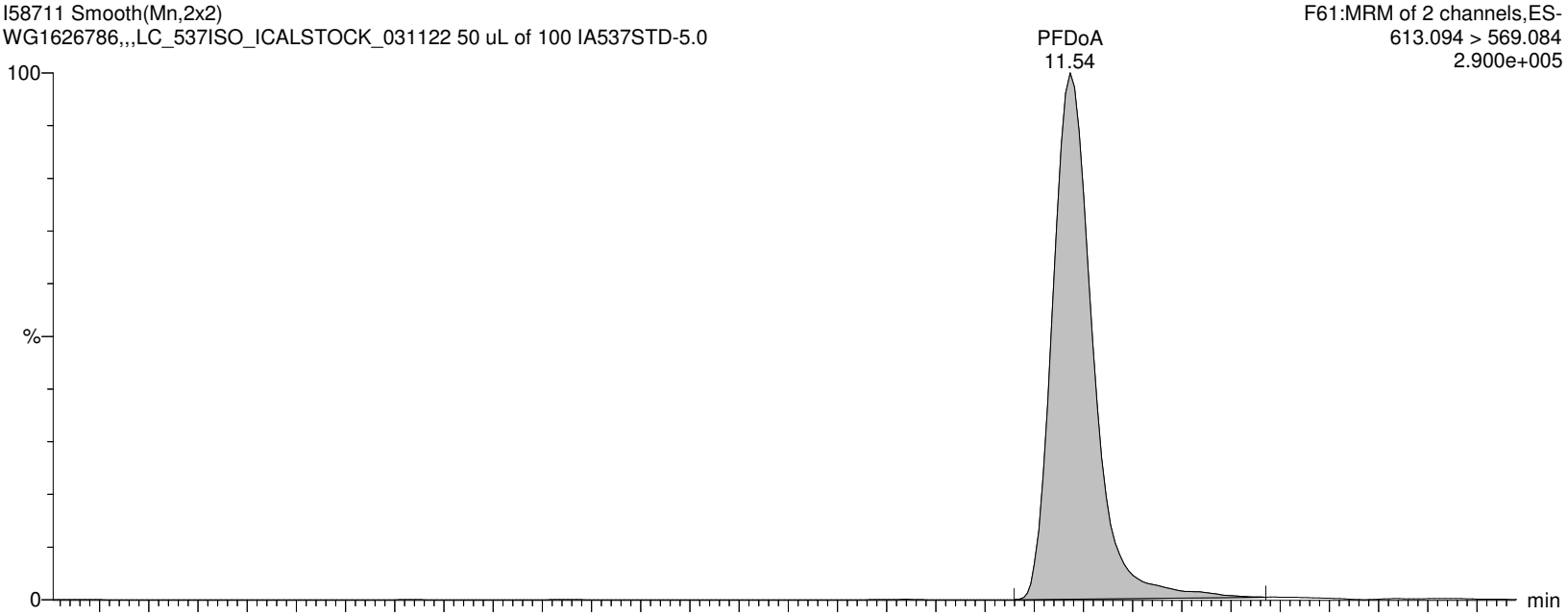


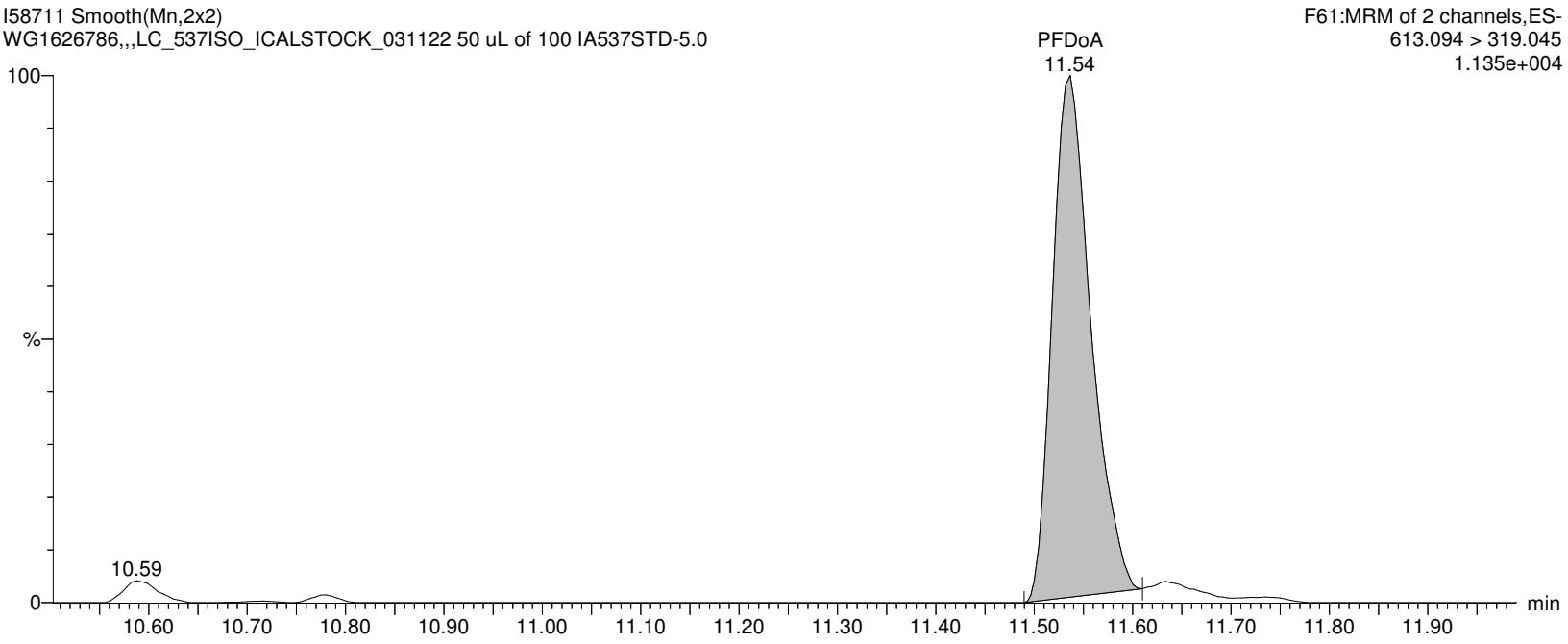
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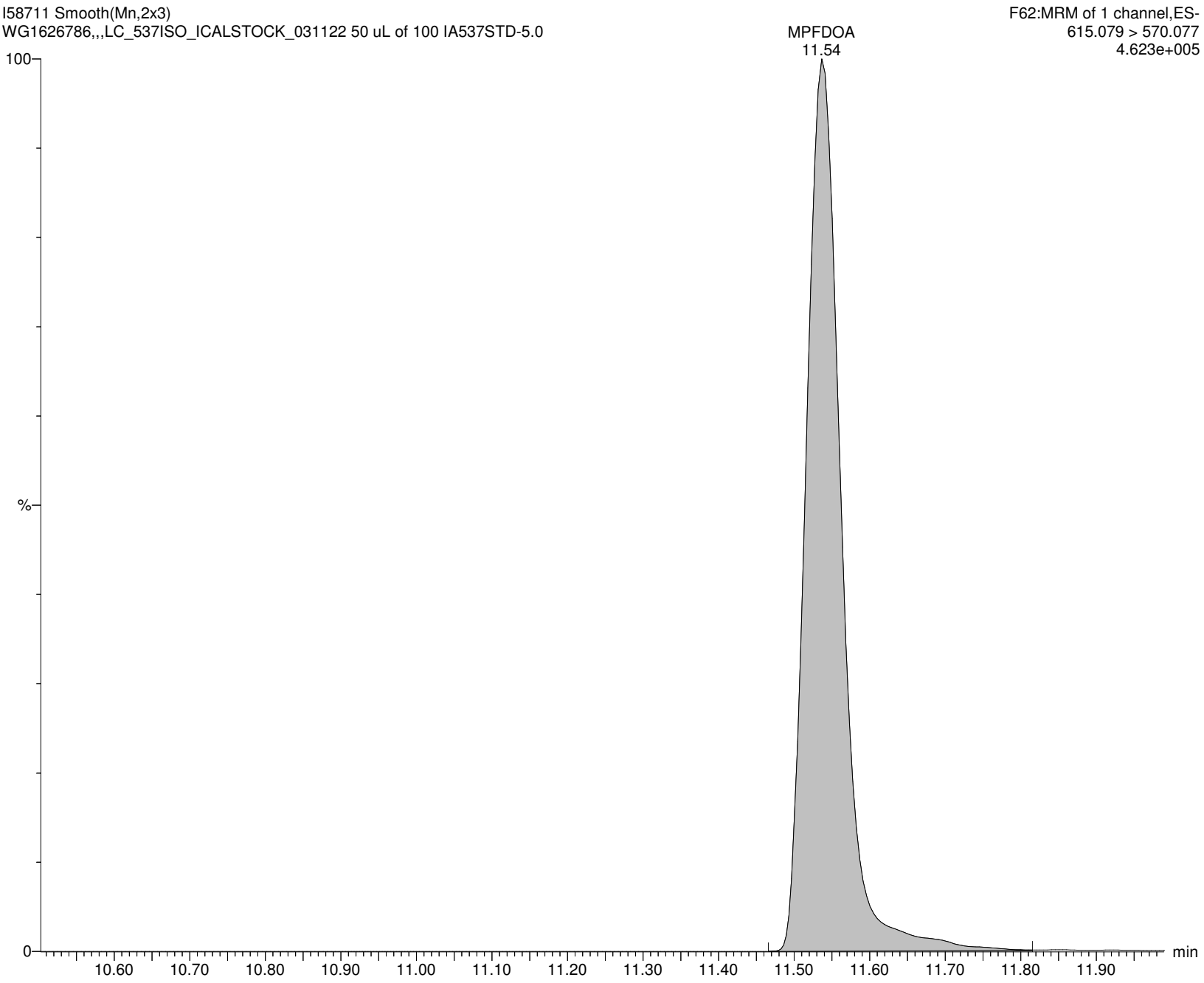


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MPFDOA

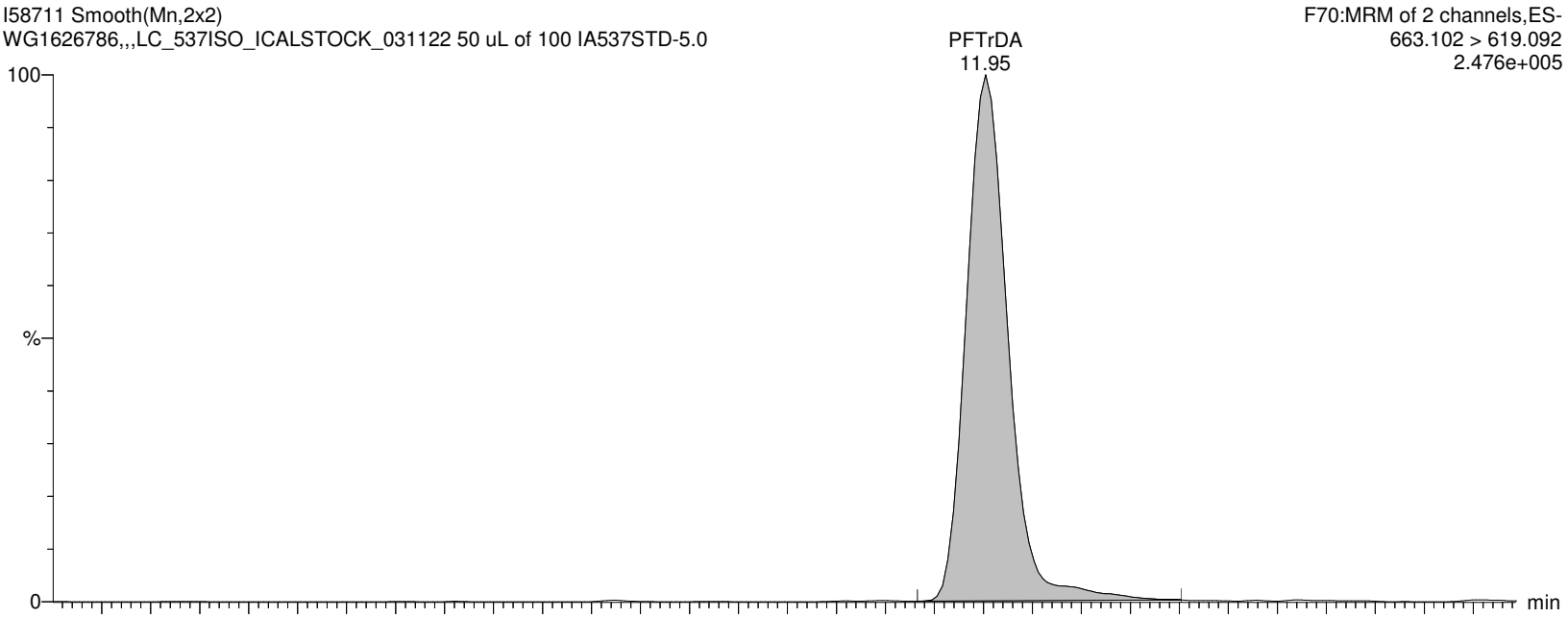


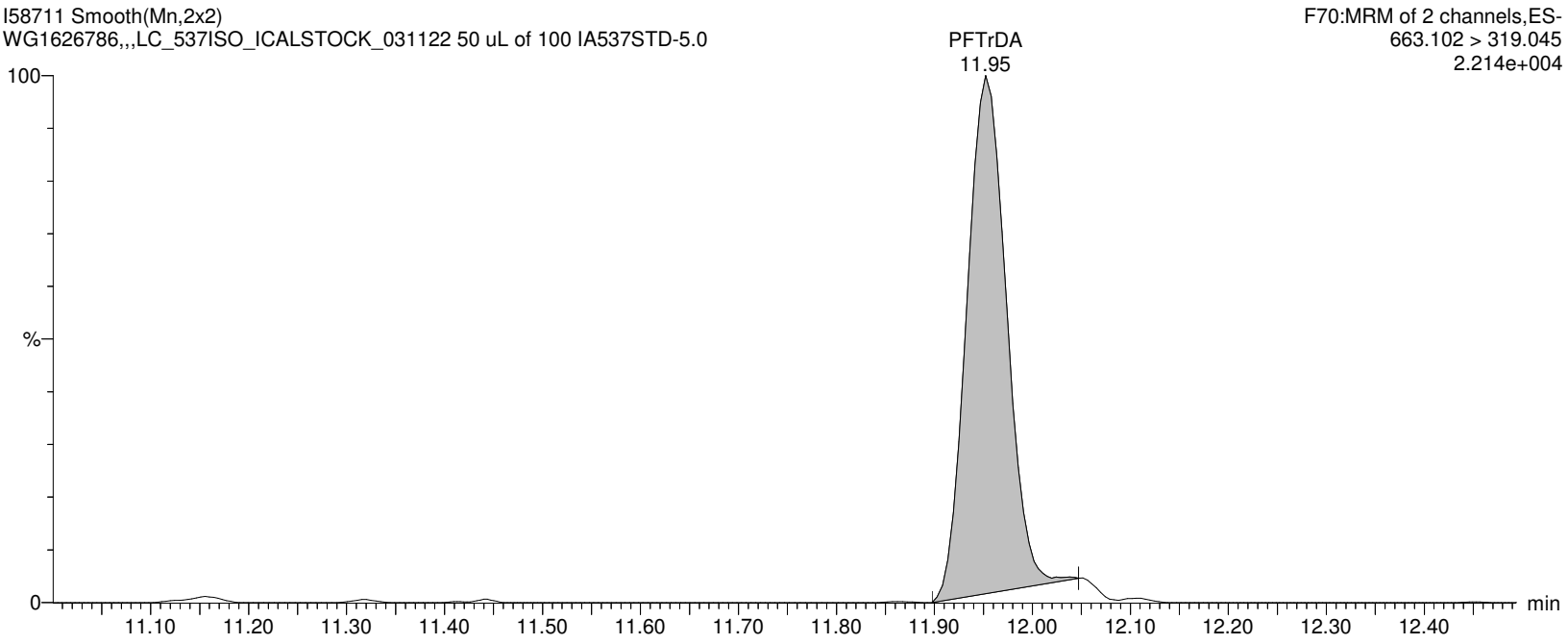
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:06:20
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User: LCMS02:MP
Vial: 1:A,5
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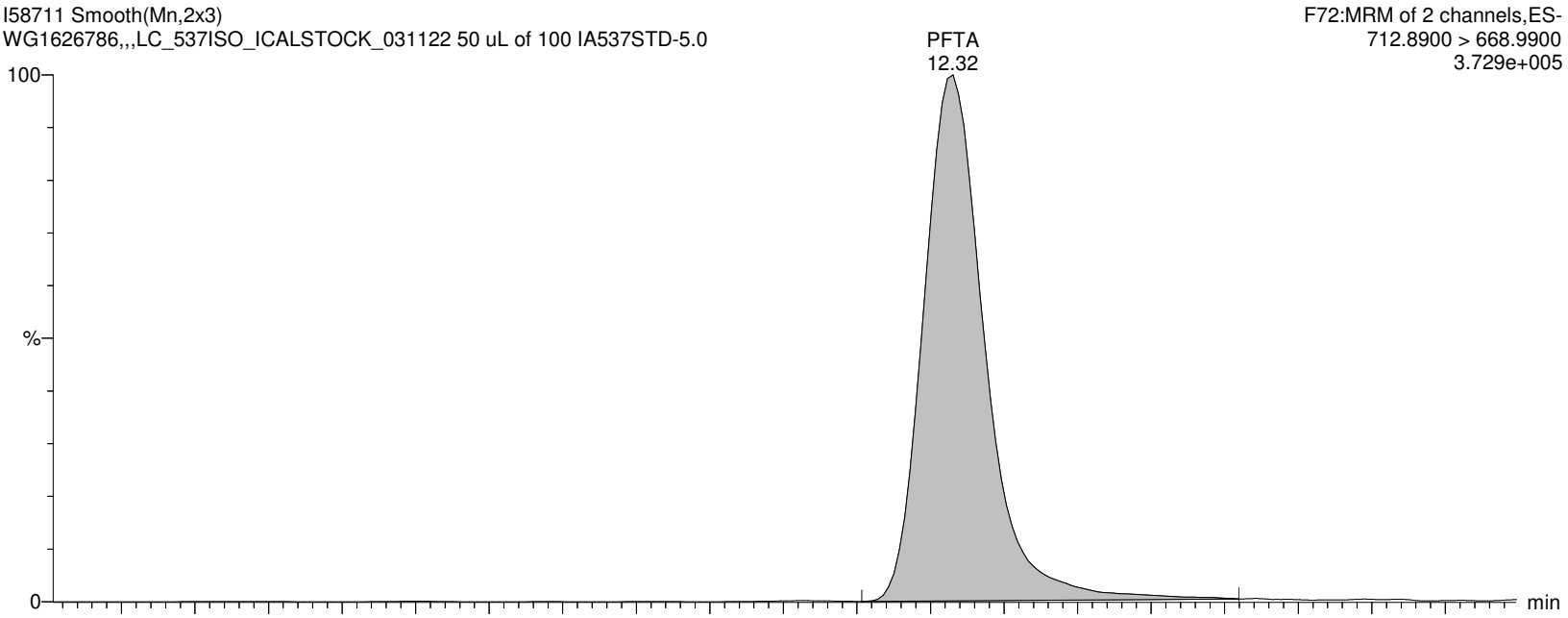


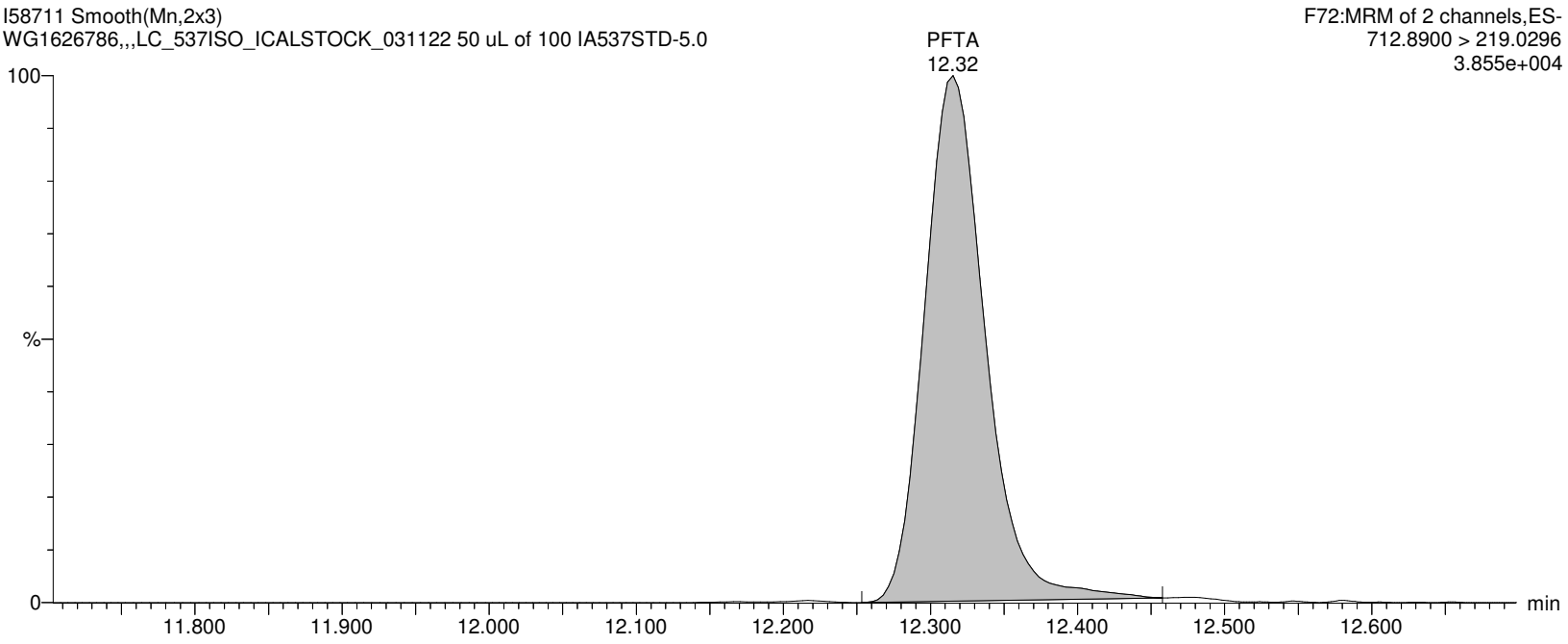
all concentration units in (ng/mL)

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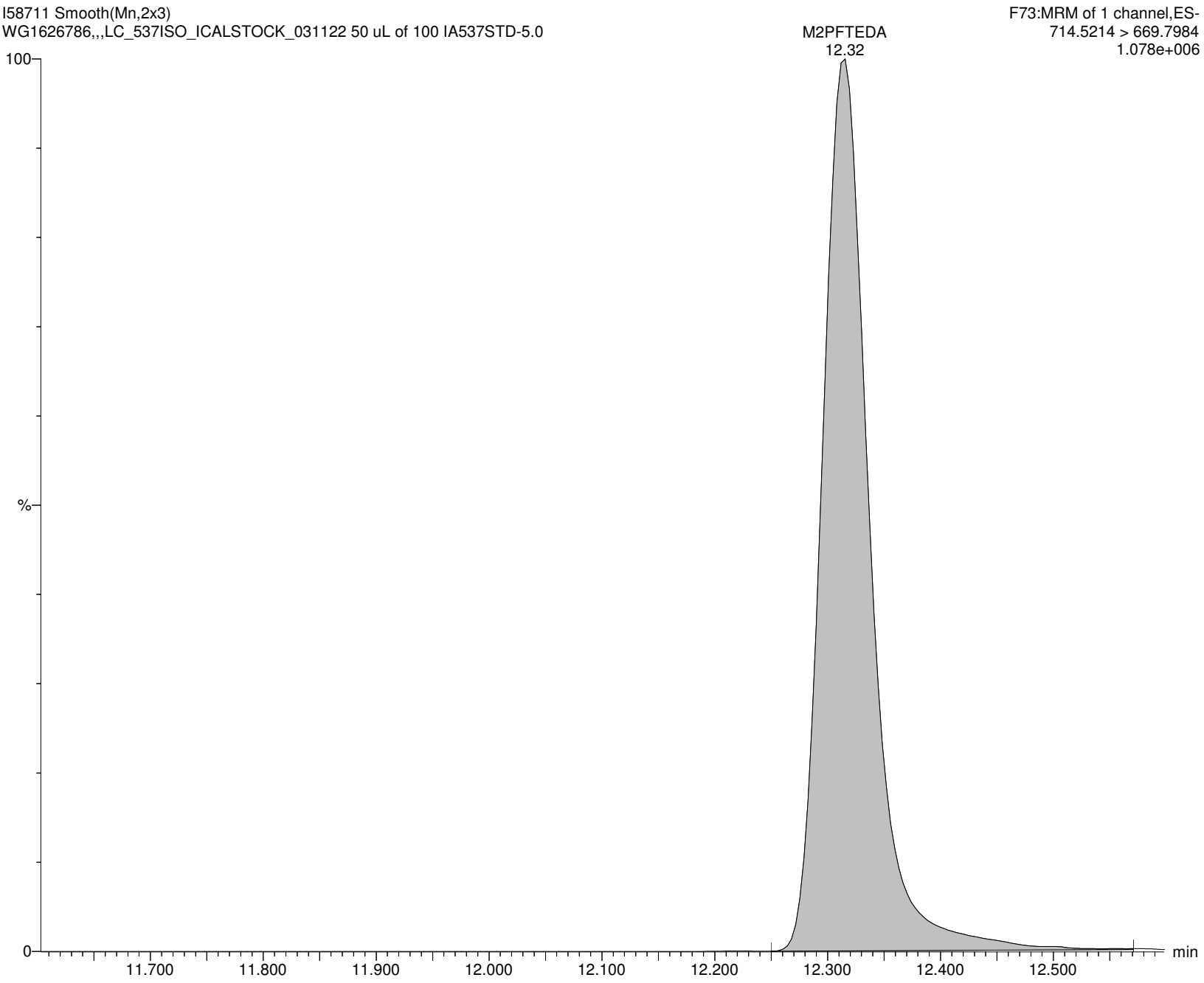


all concentration units in (ng/mL)

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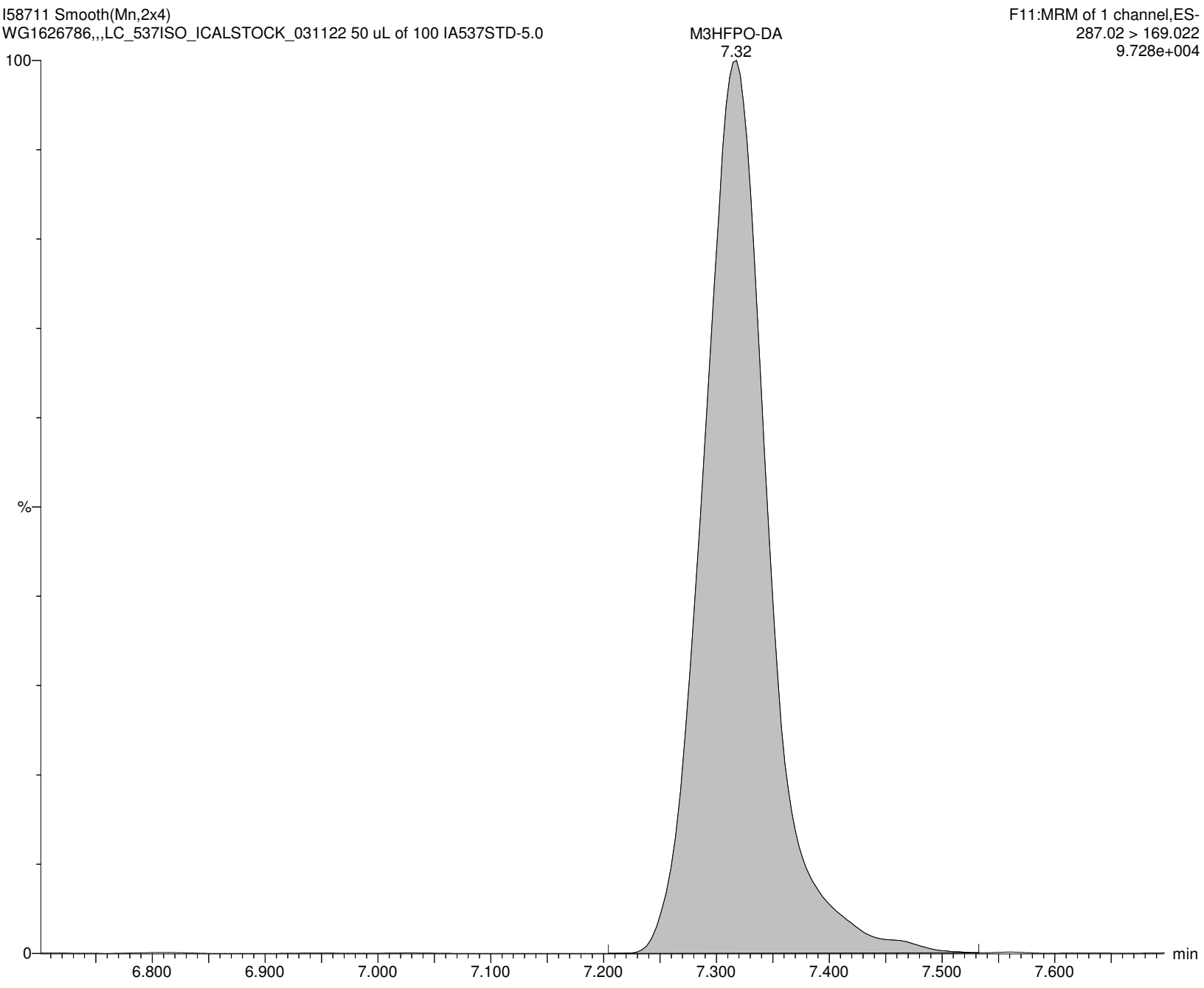


all concentration units in (ng/mL)

Alpha Analytical Inc.
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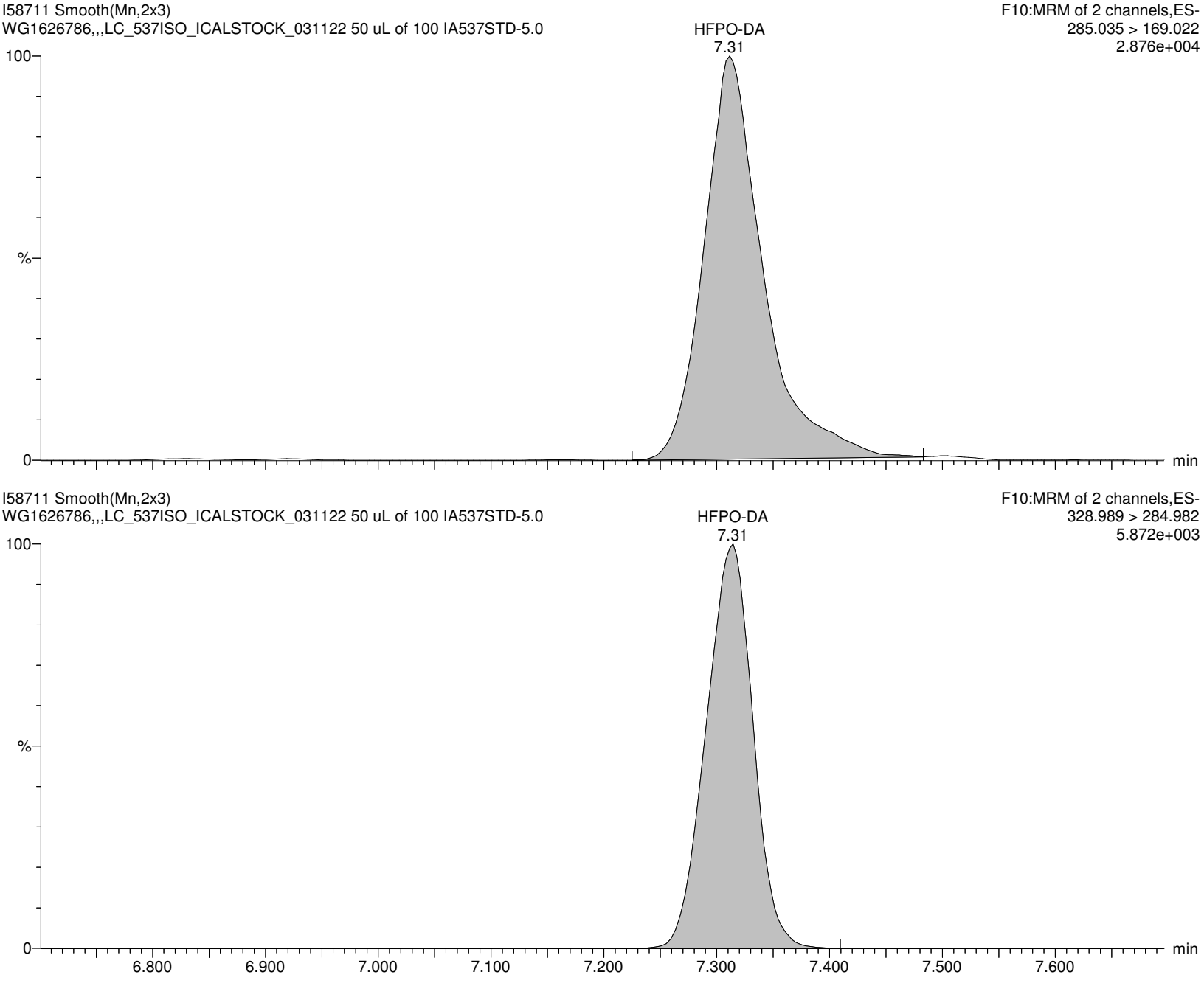


all concentration units in (ng/mL)

Alpha Analytical Inc.
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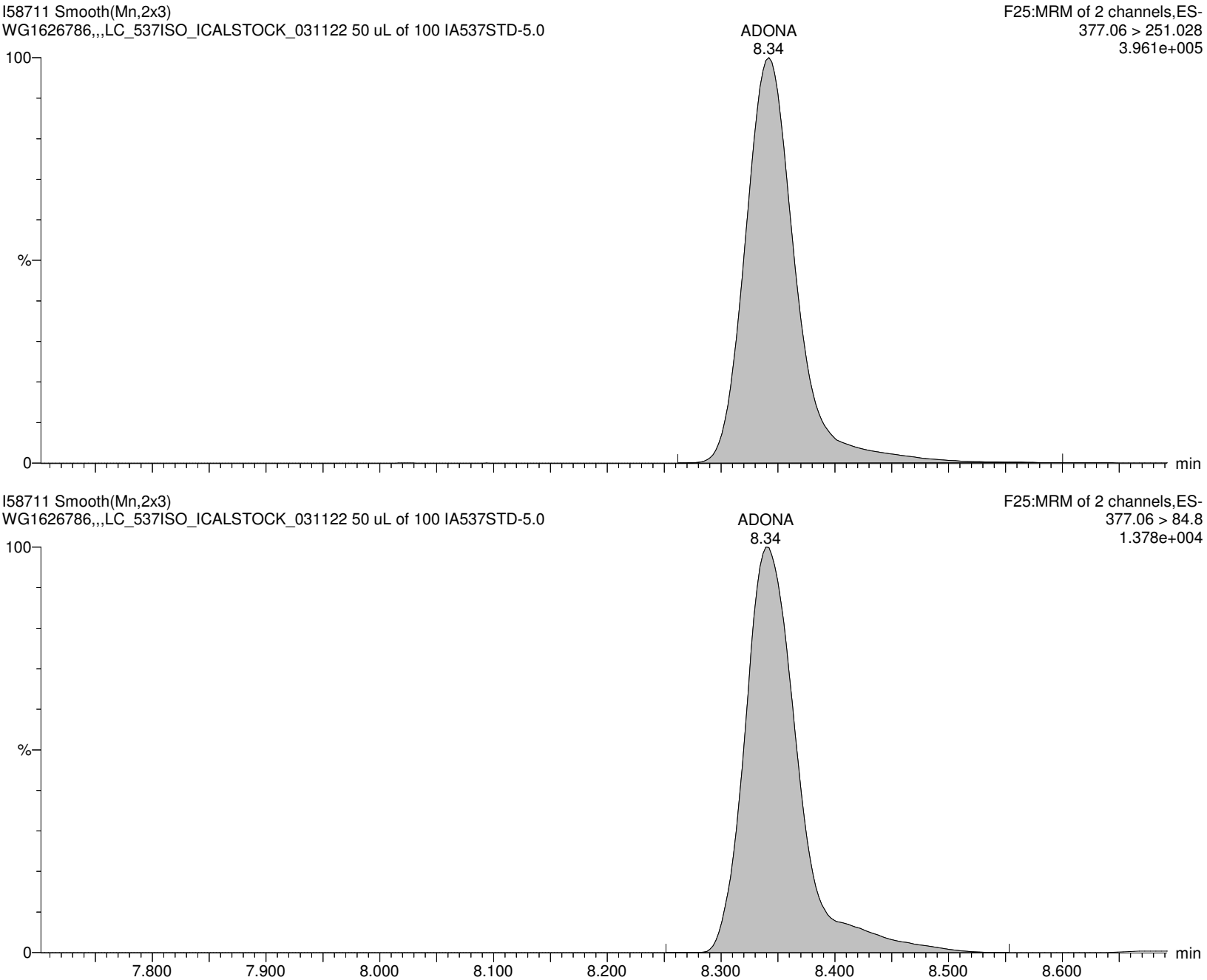


all concentration units in (ng/mL)

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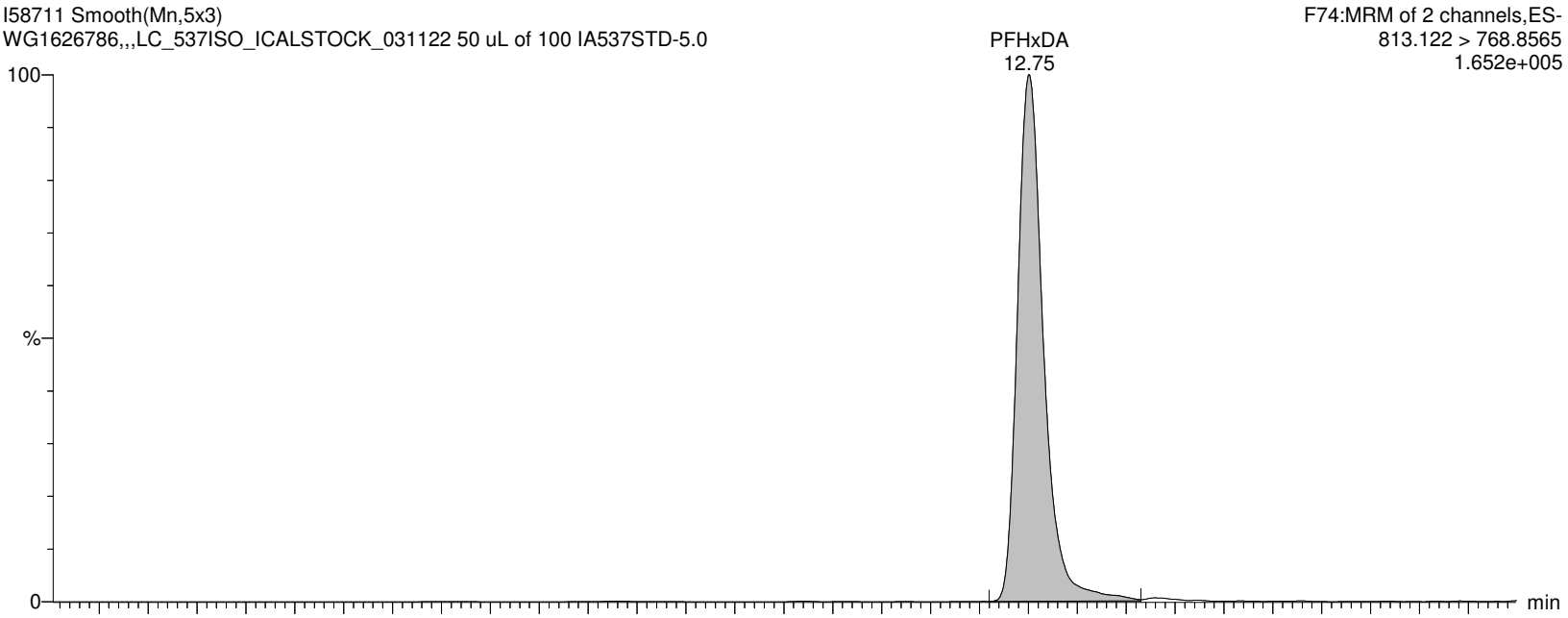


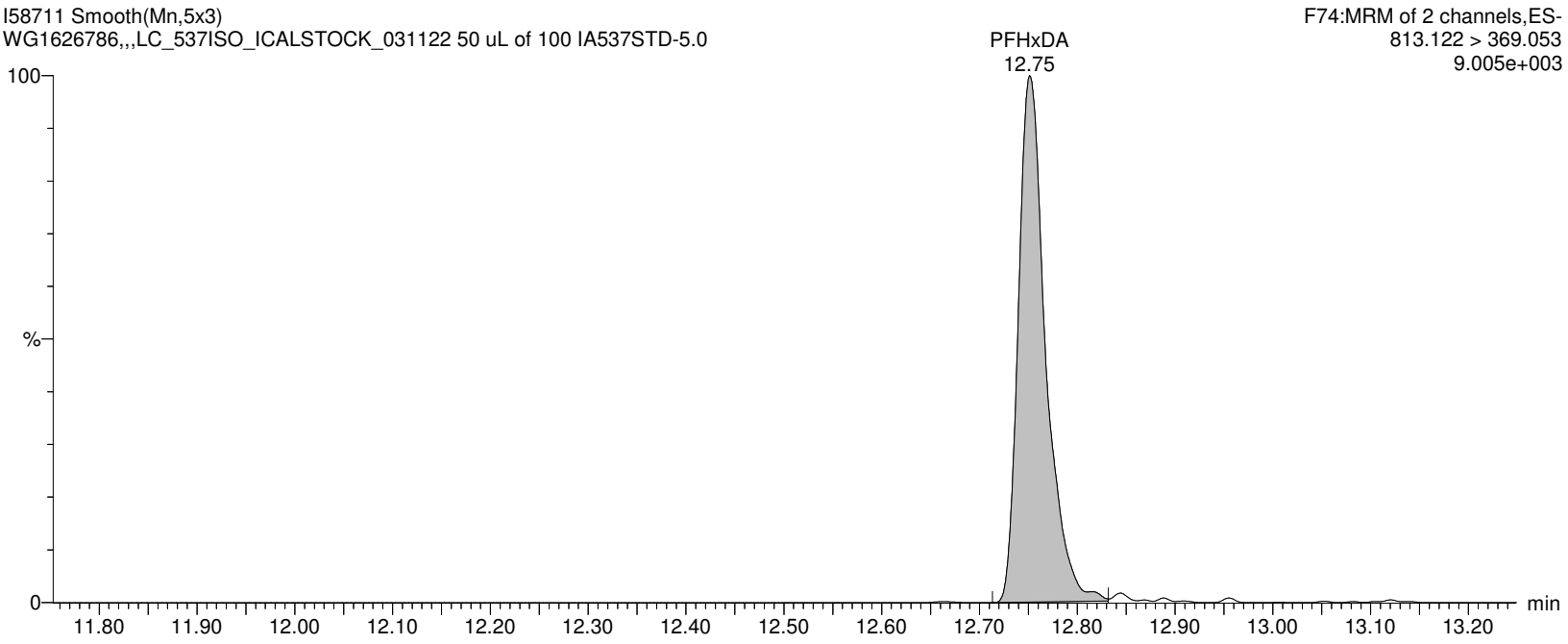
all concentration units in (ng/mL)

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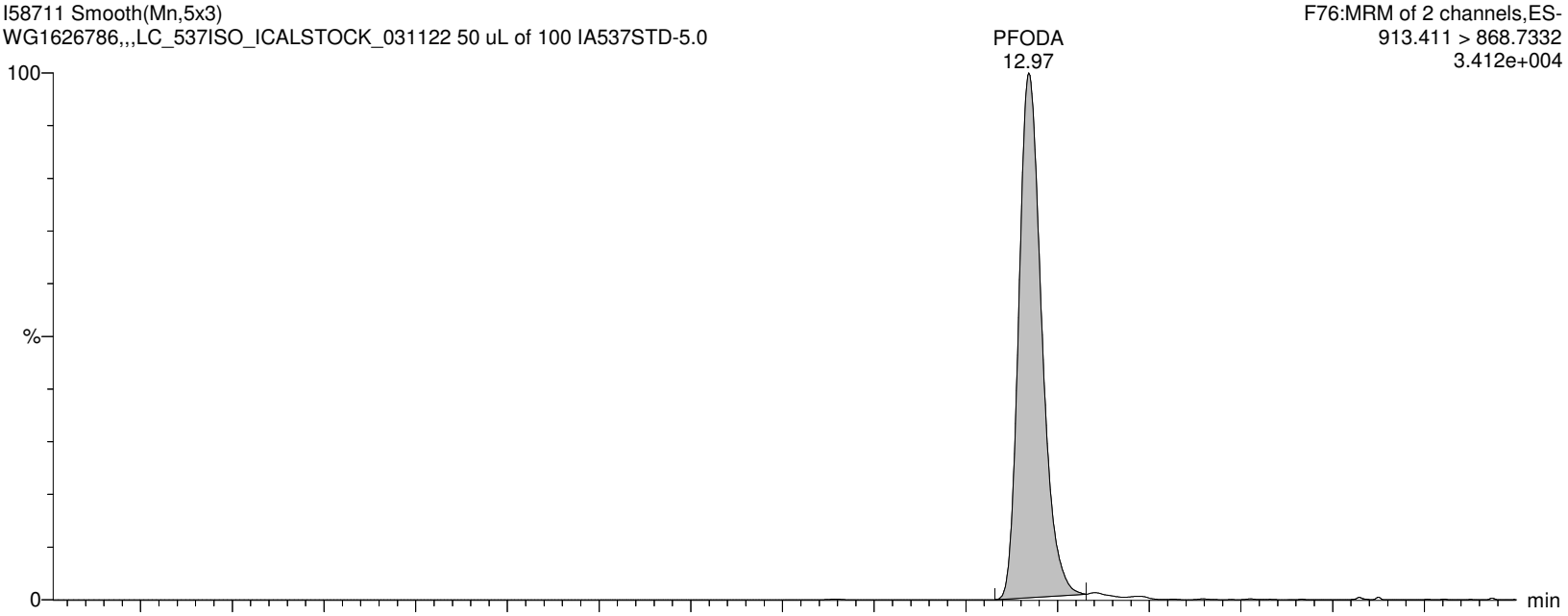


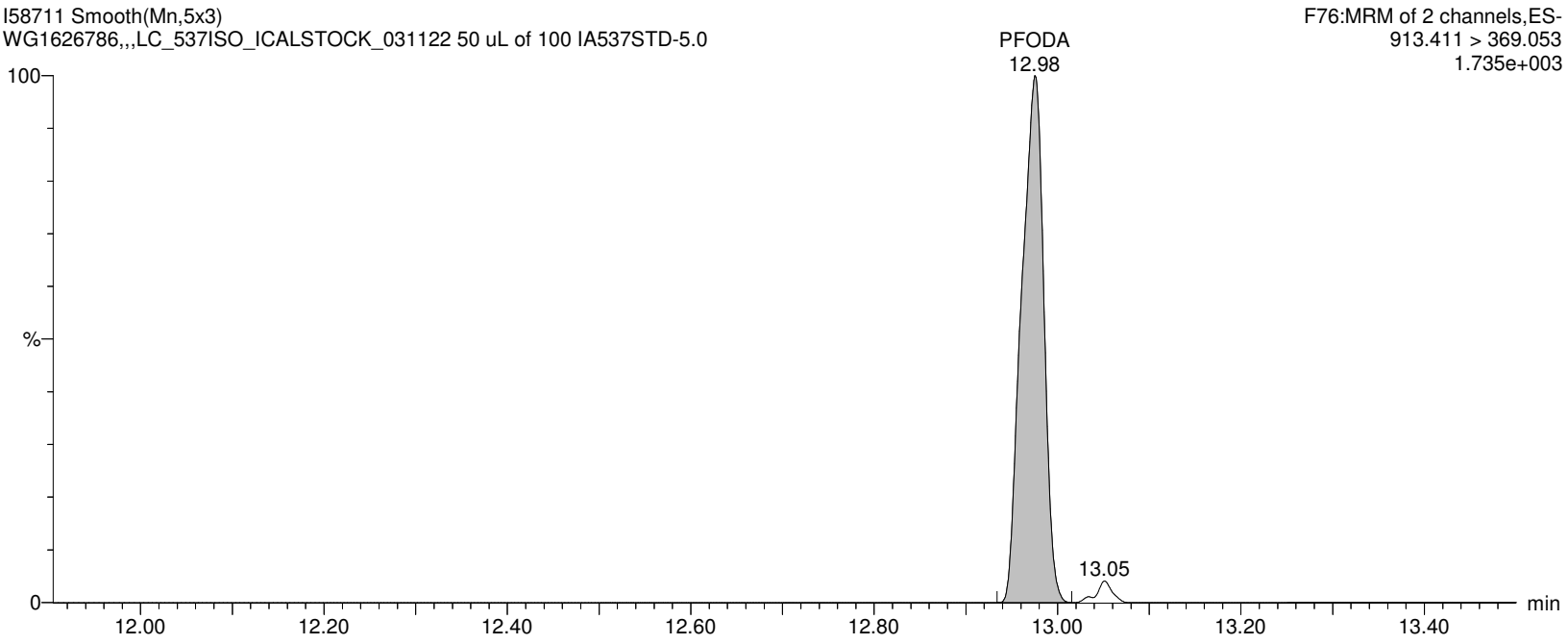
all concentration units in (ng/mL)

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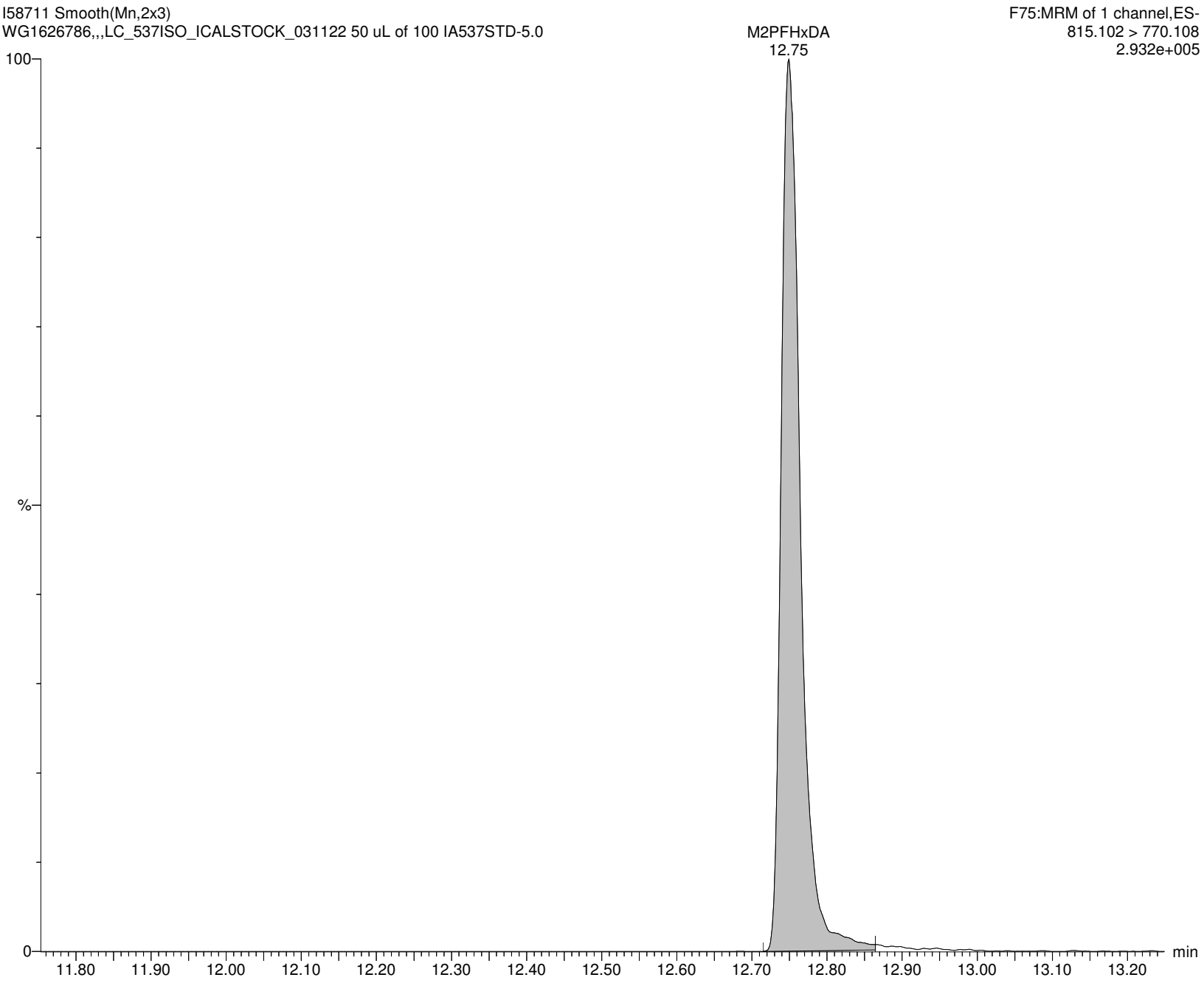


all concentration units in (ng/mL)

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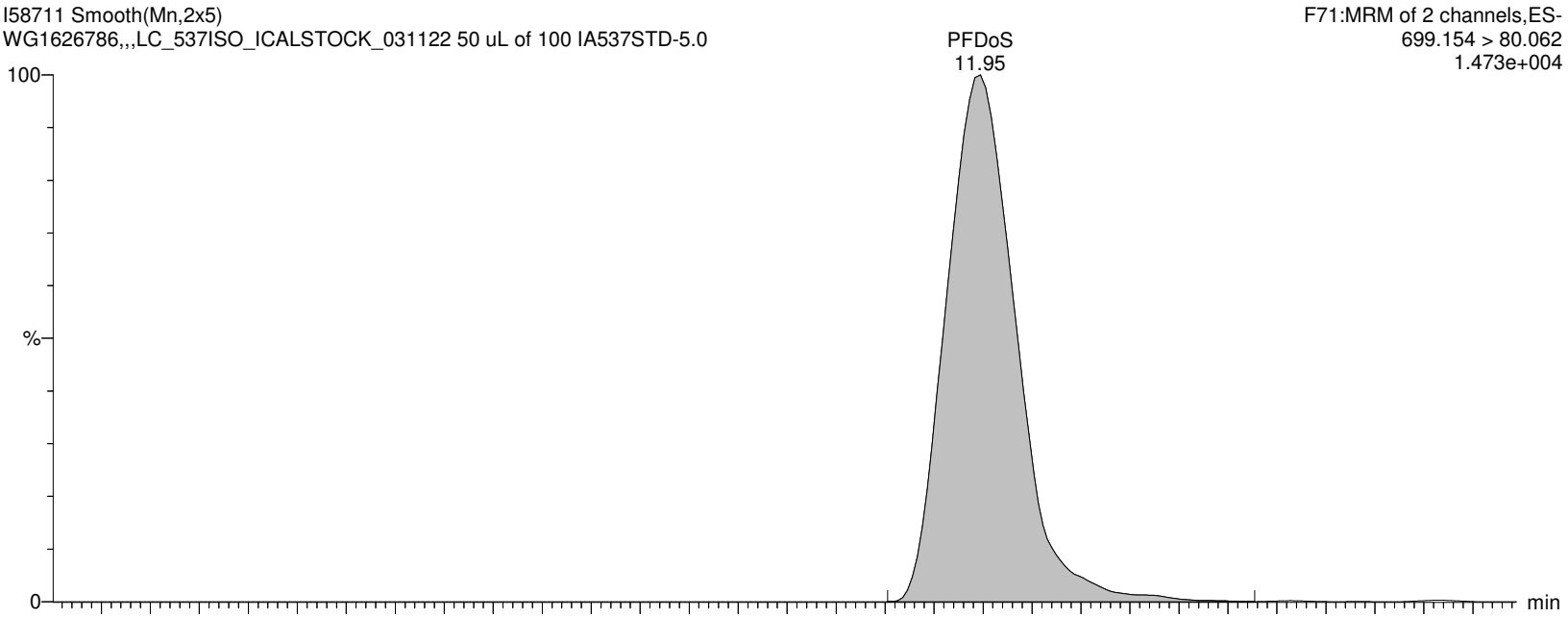


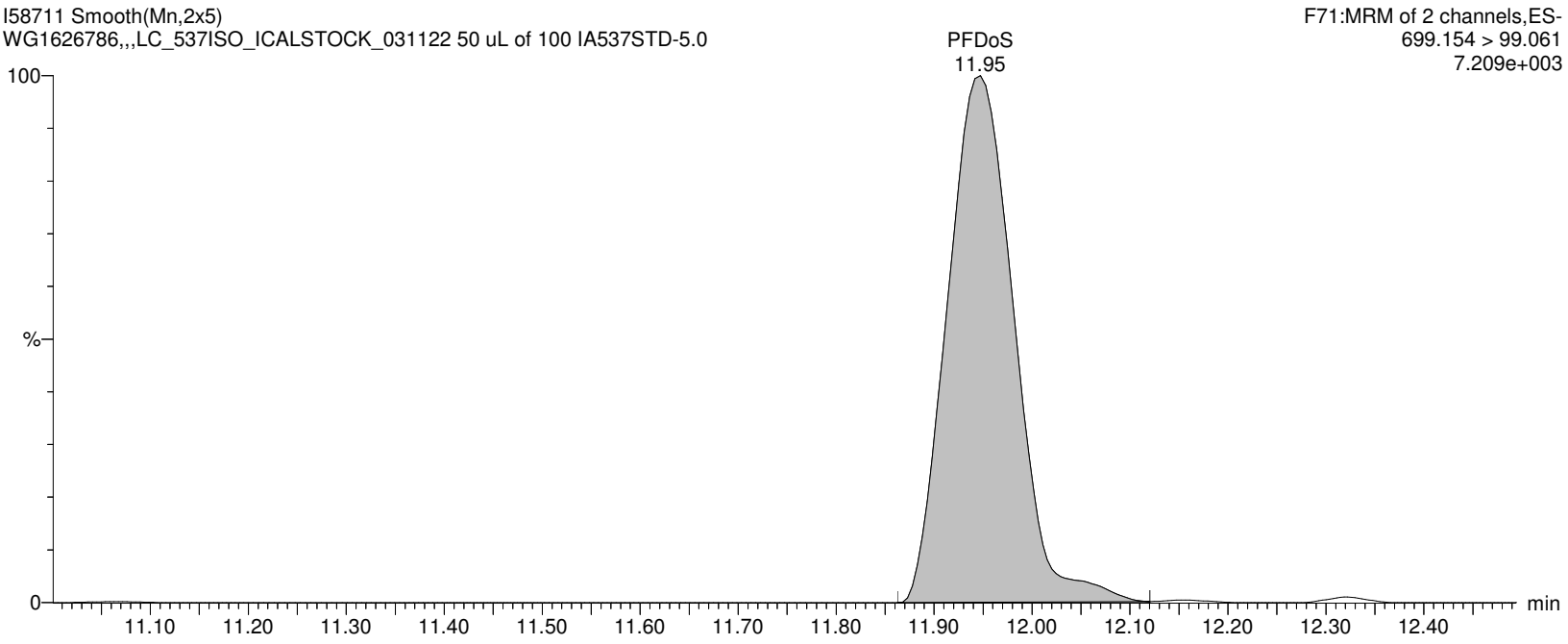
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PFDoS



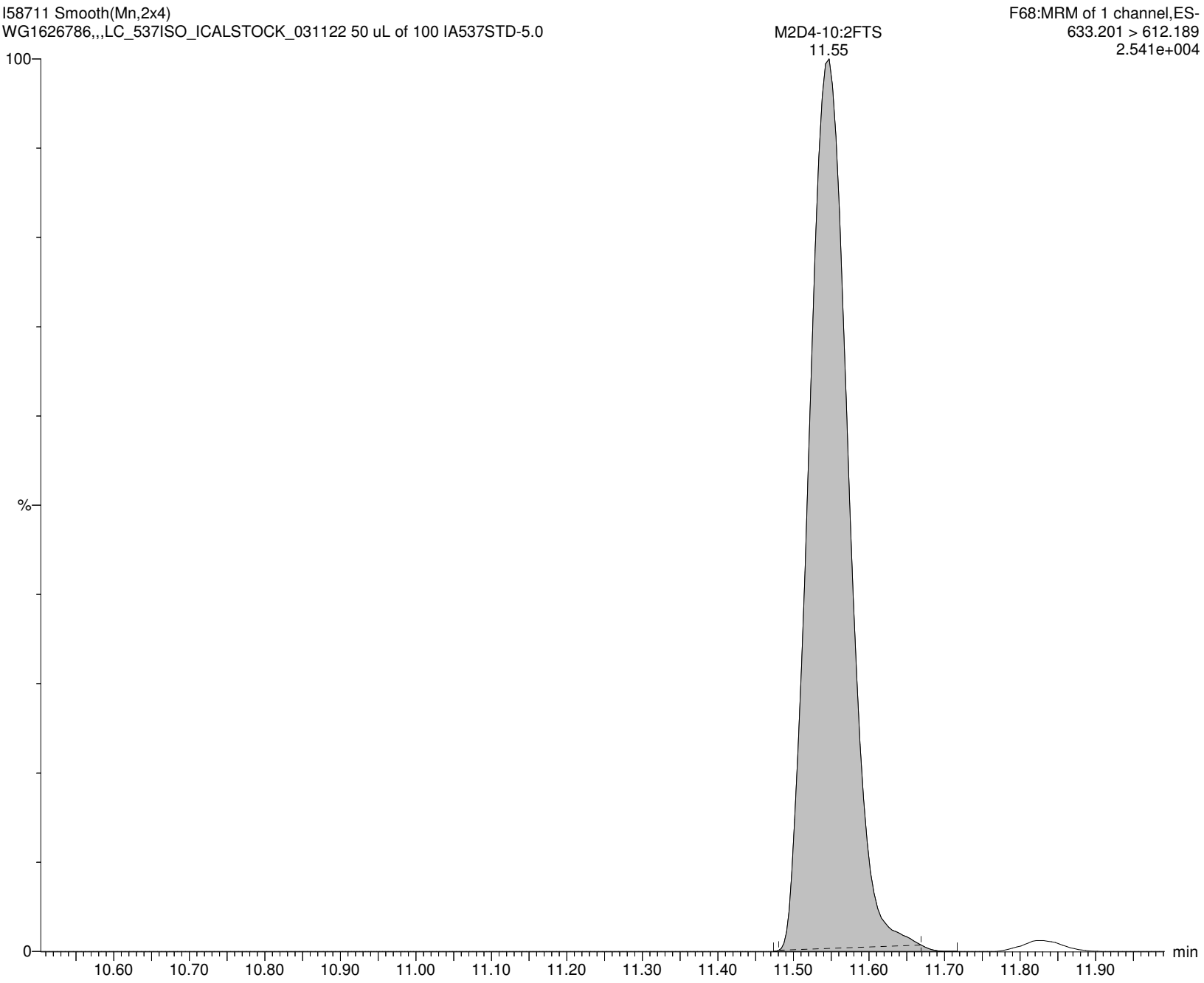


all concentration units in (ng/mL)

Alpha Analytical Inc.
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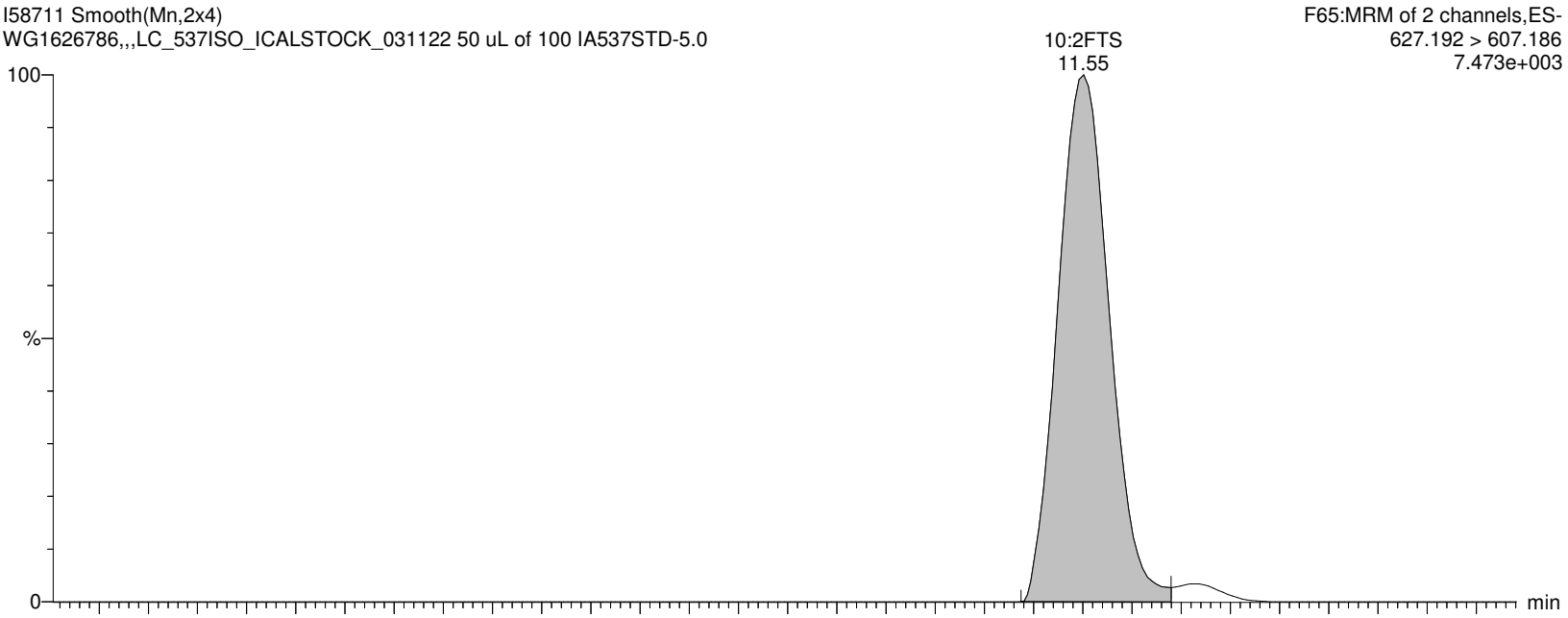


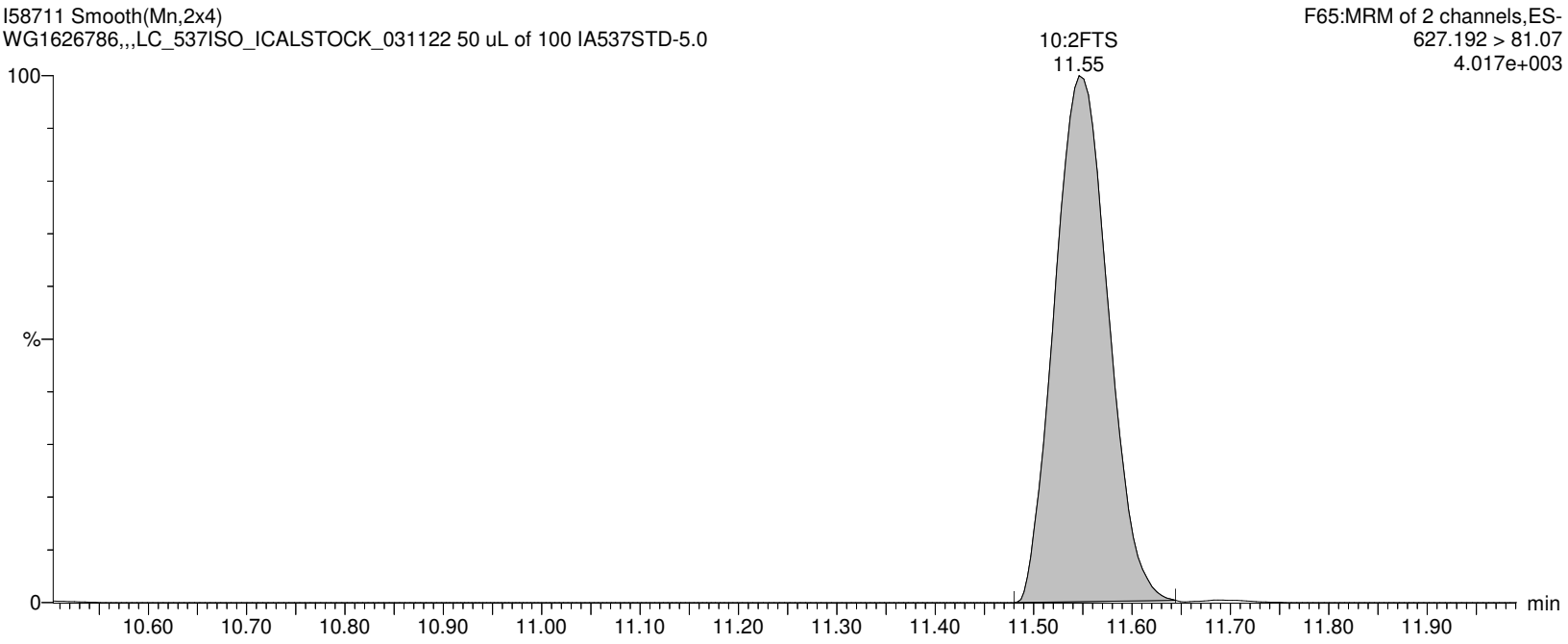
all concentration units in (ng/mL)

Alpha Analytical Inc.
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10:2FTS



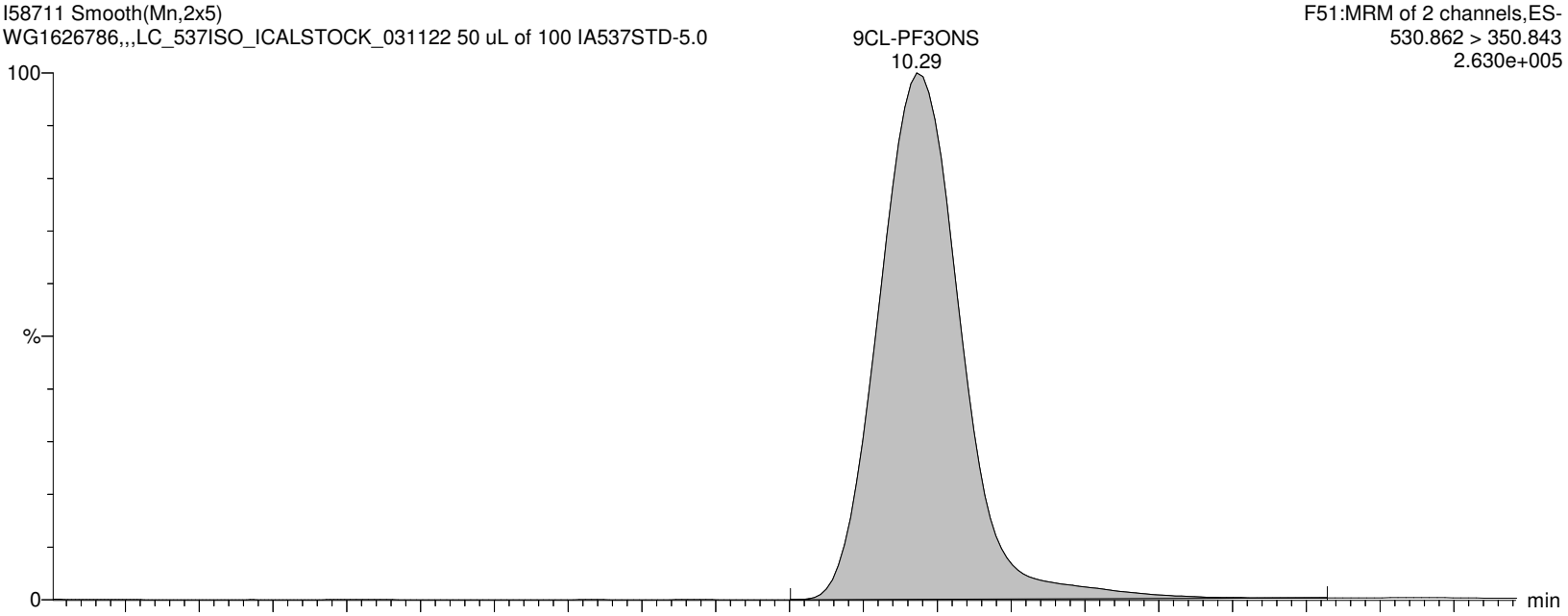


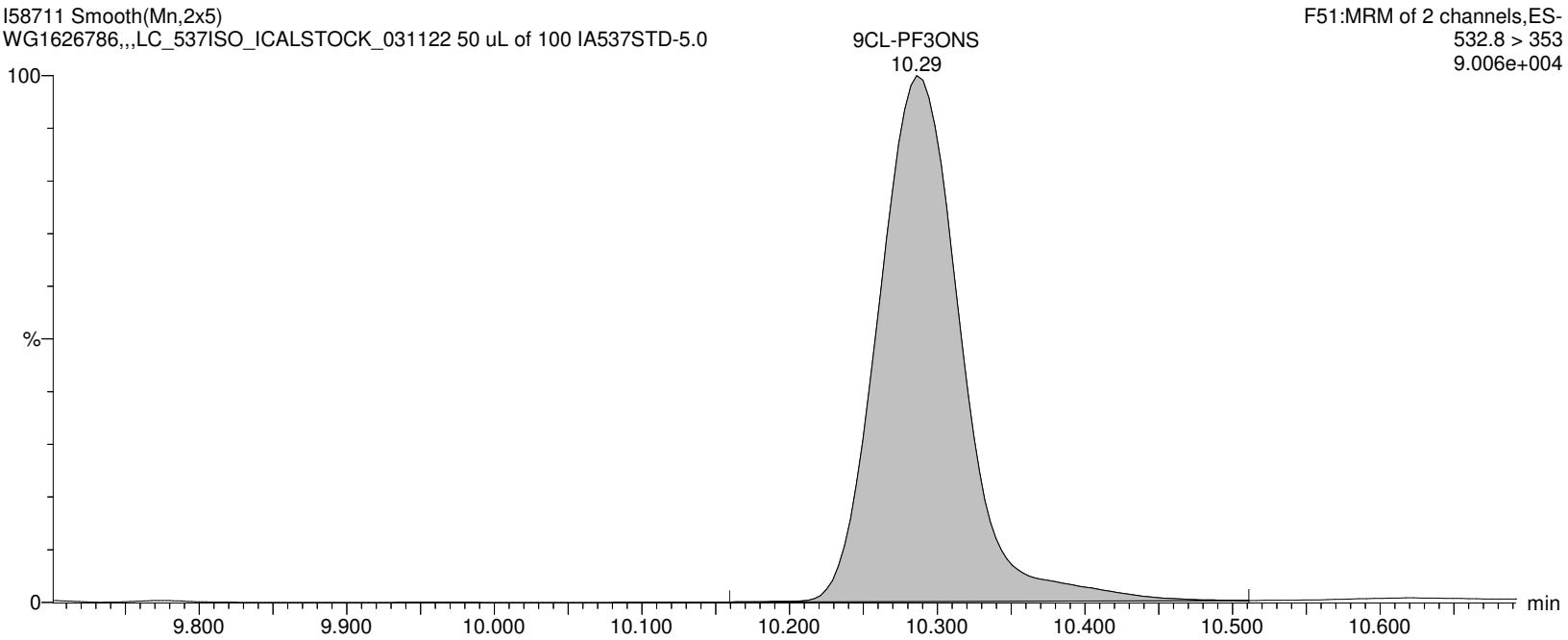
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



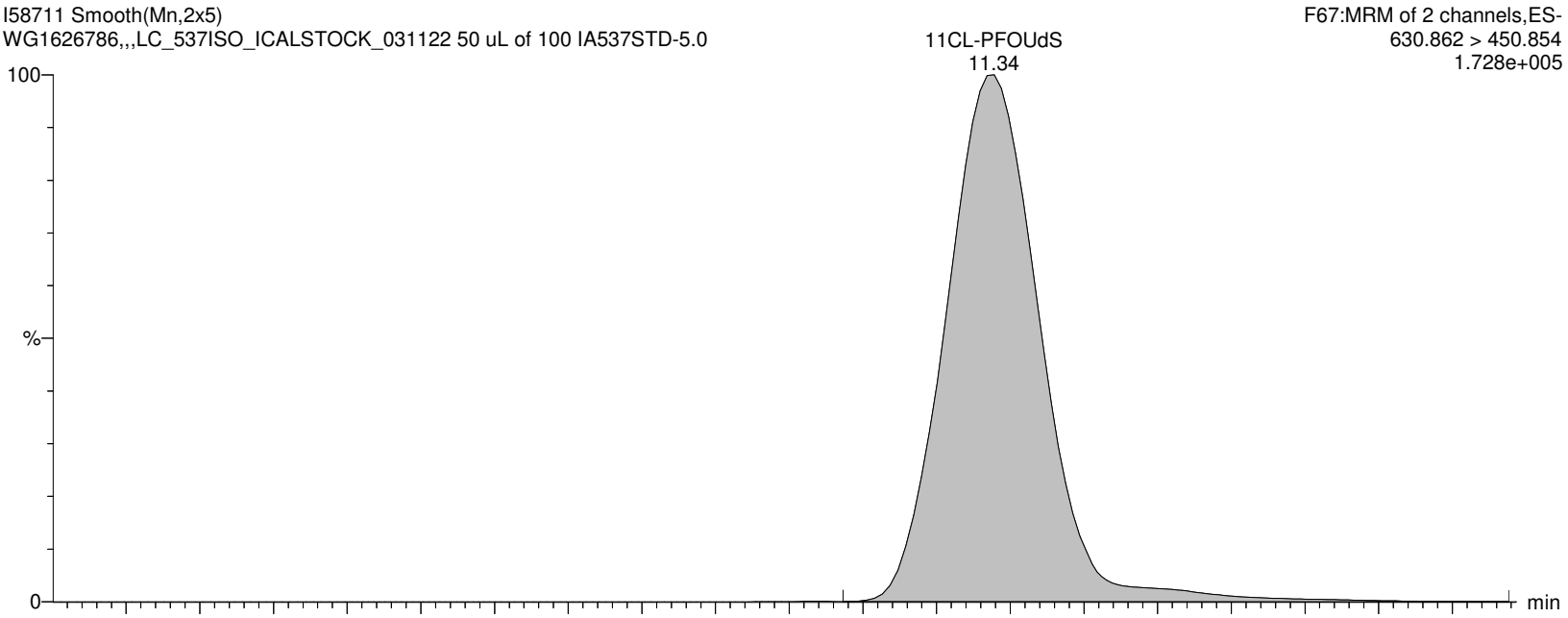


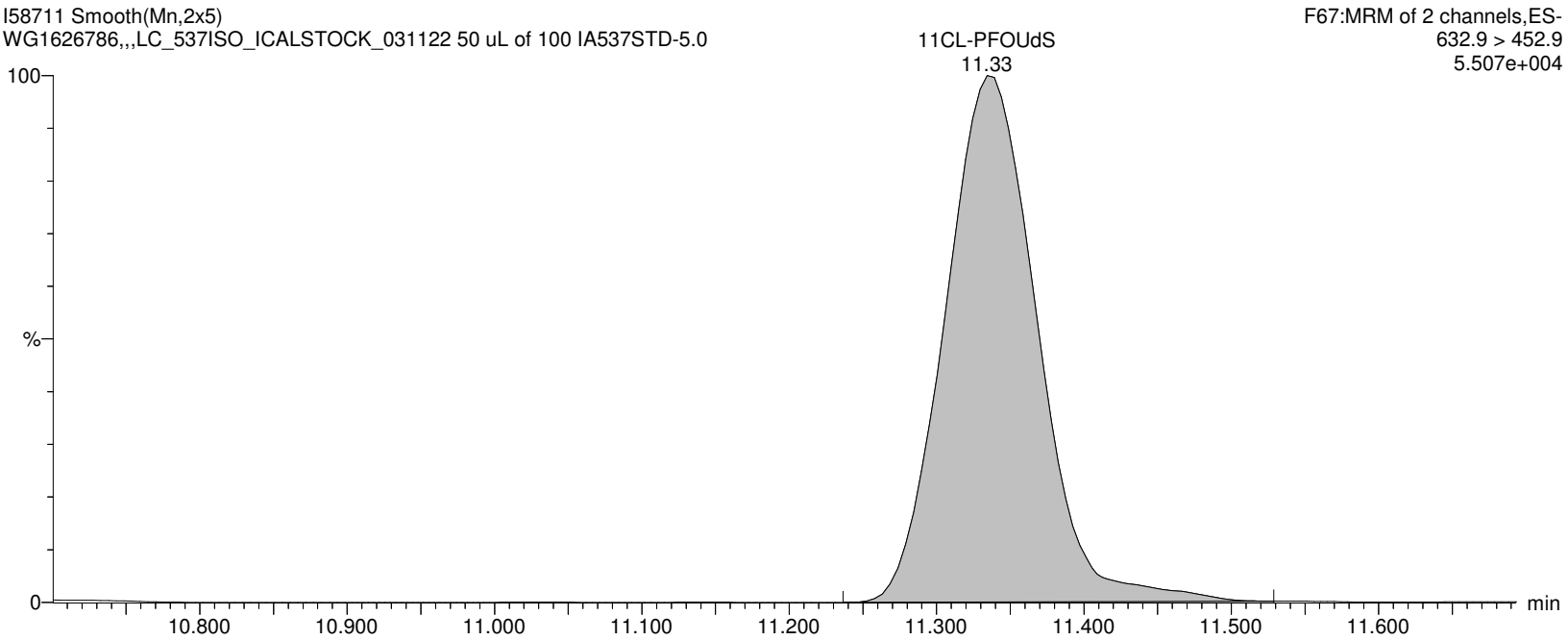
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Alpha Analytical Inc.
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11CL-PFOUdS



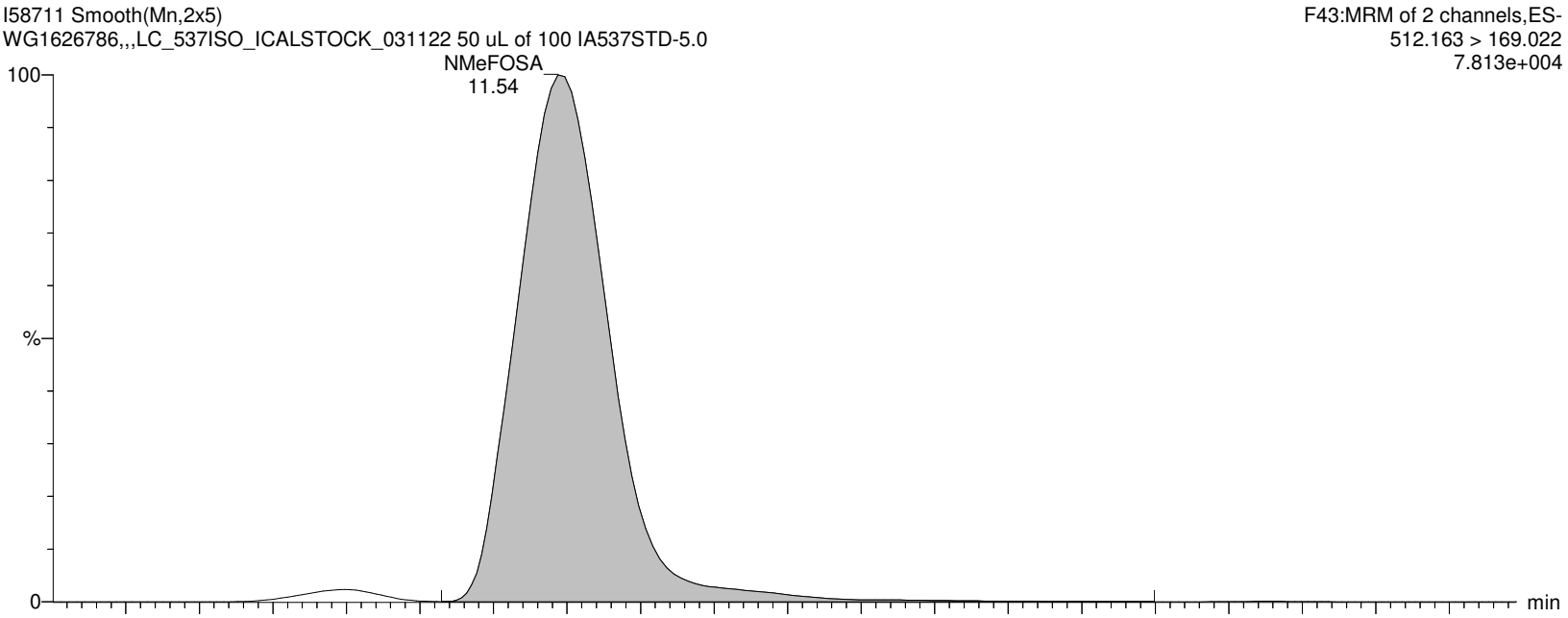


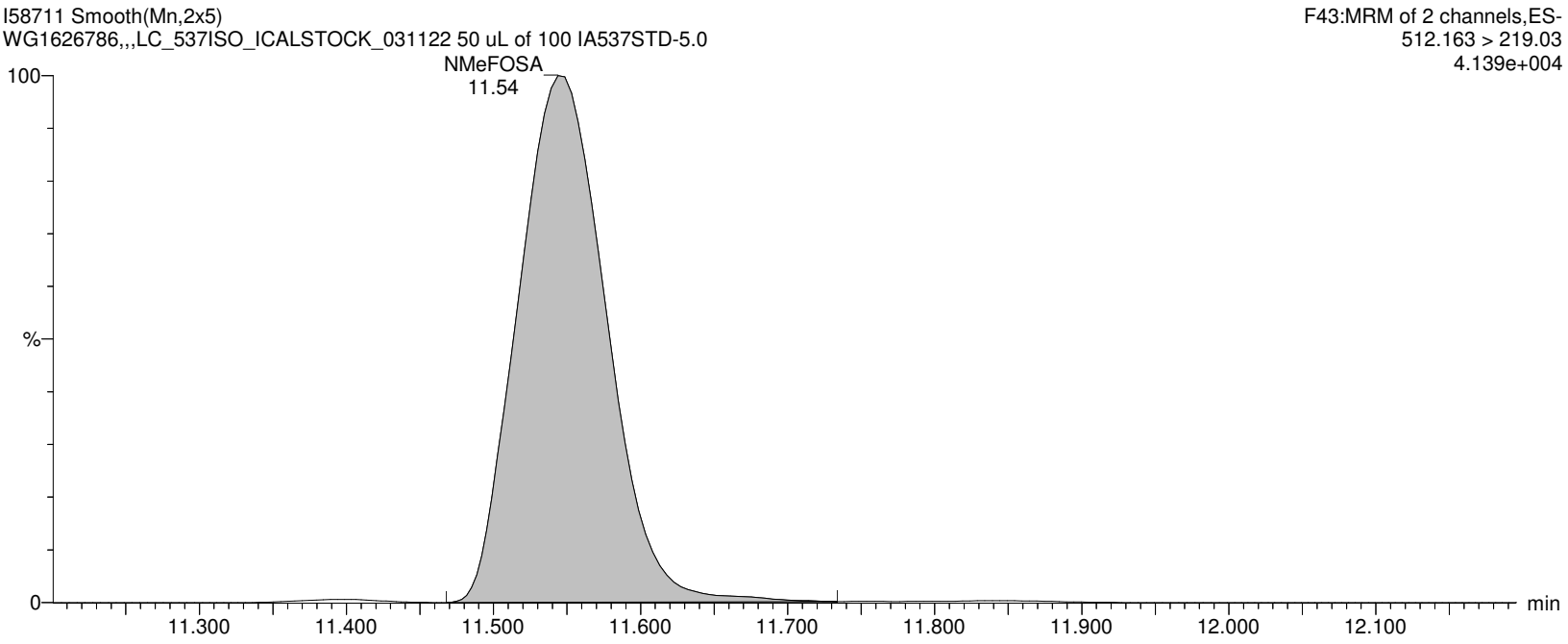
all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NMeFOSA



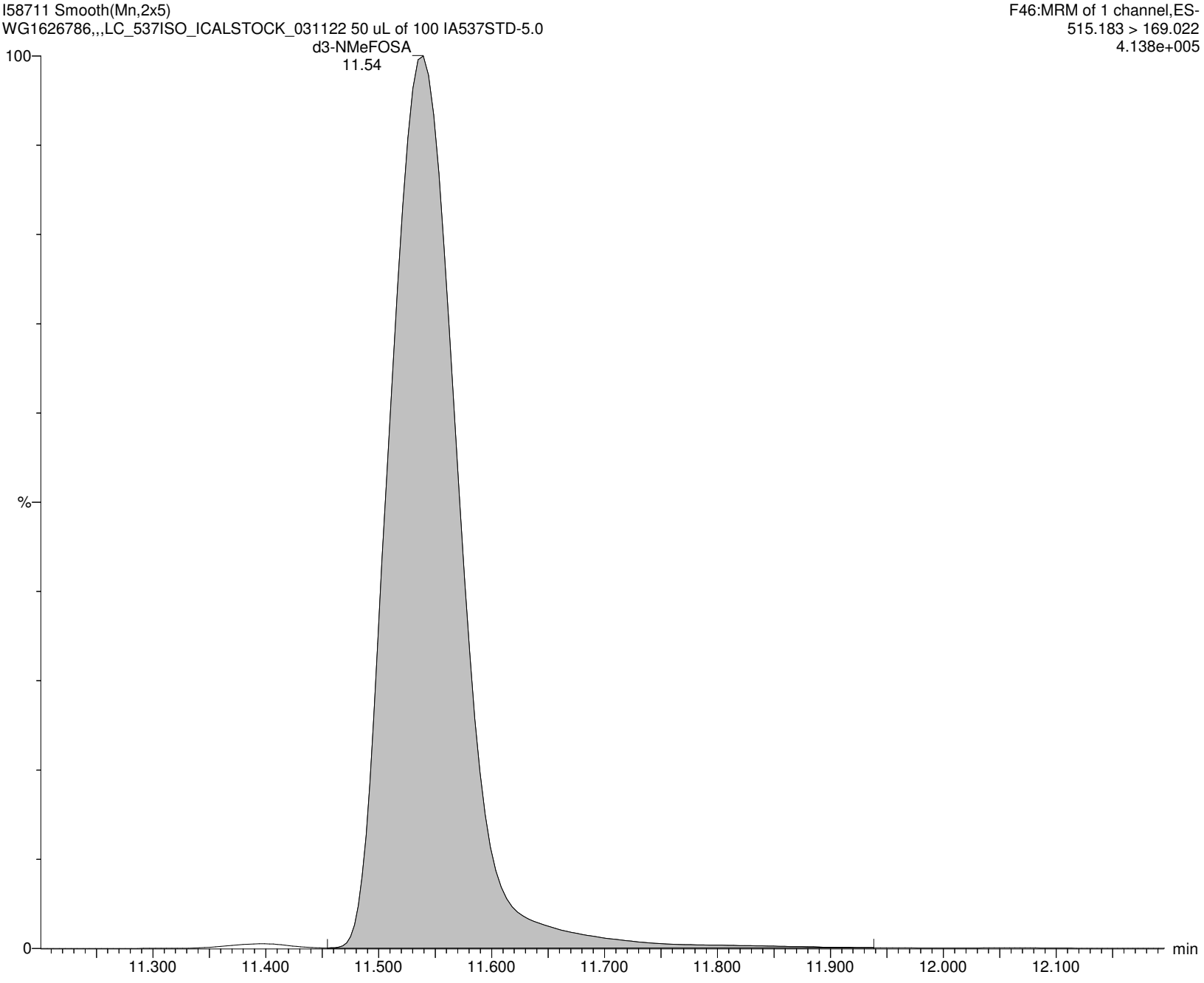


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:06:20
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User: LCMS02:MP
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
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d3-NMeFOSA

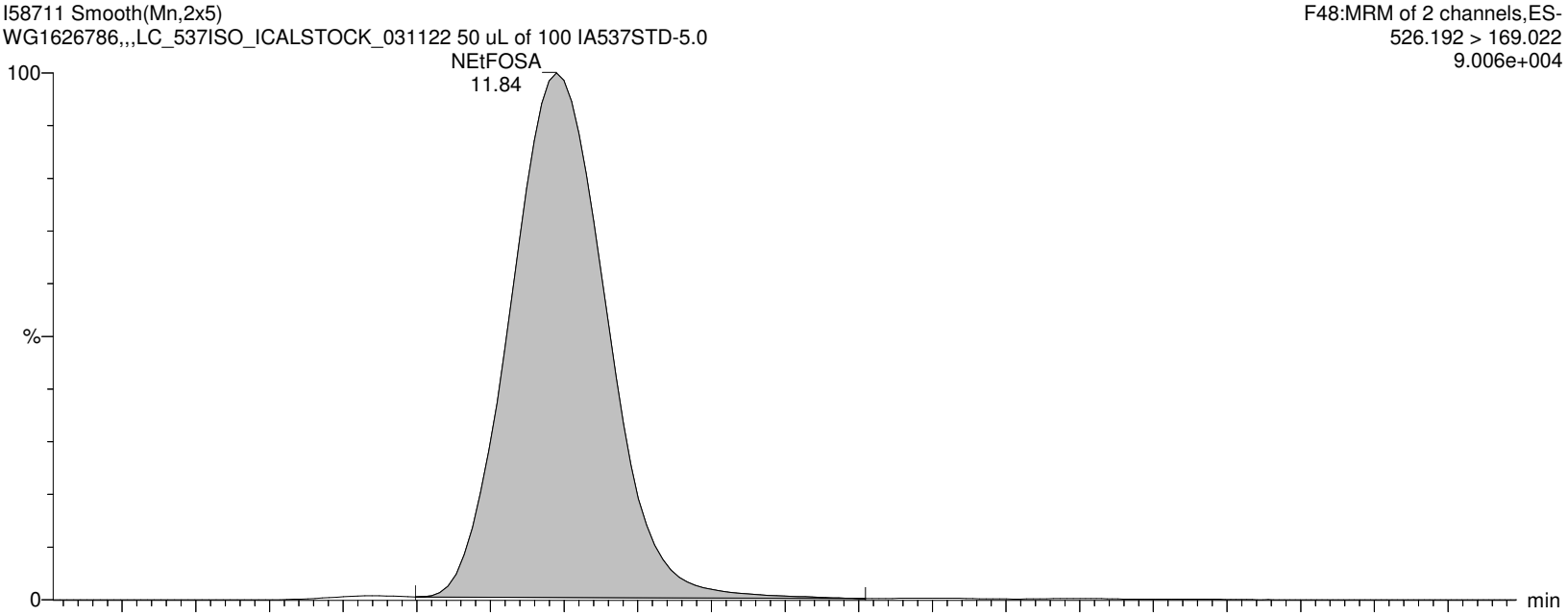


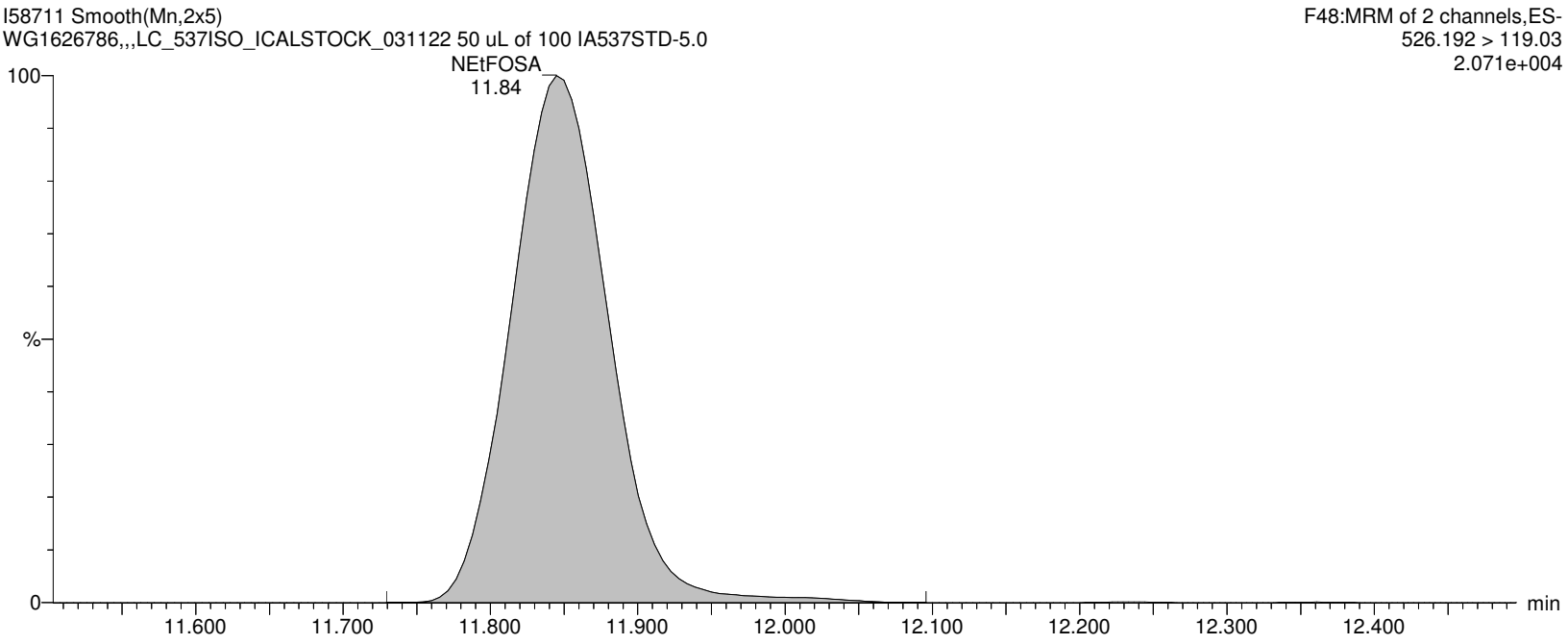
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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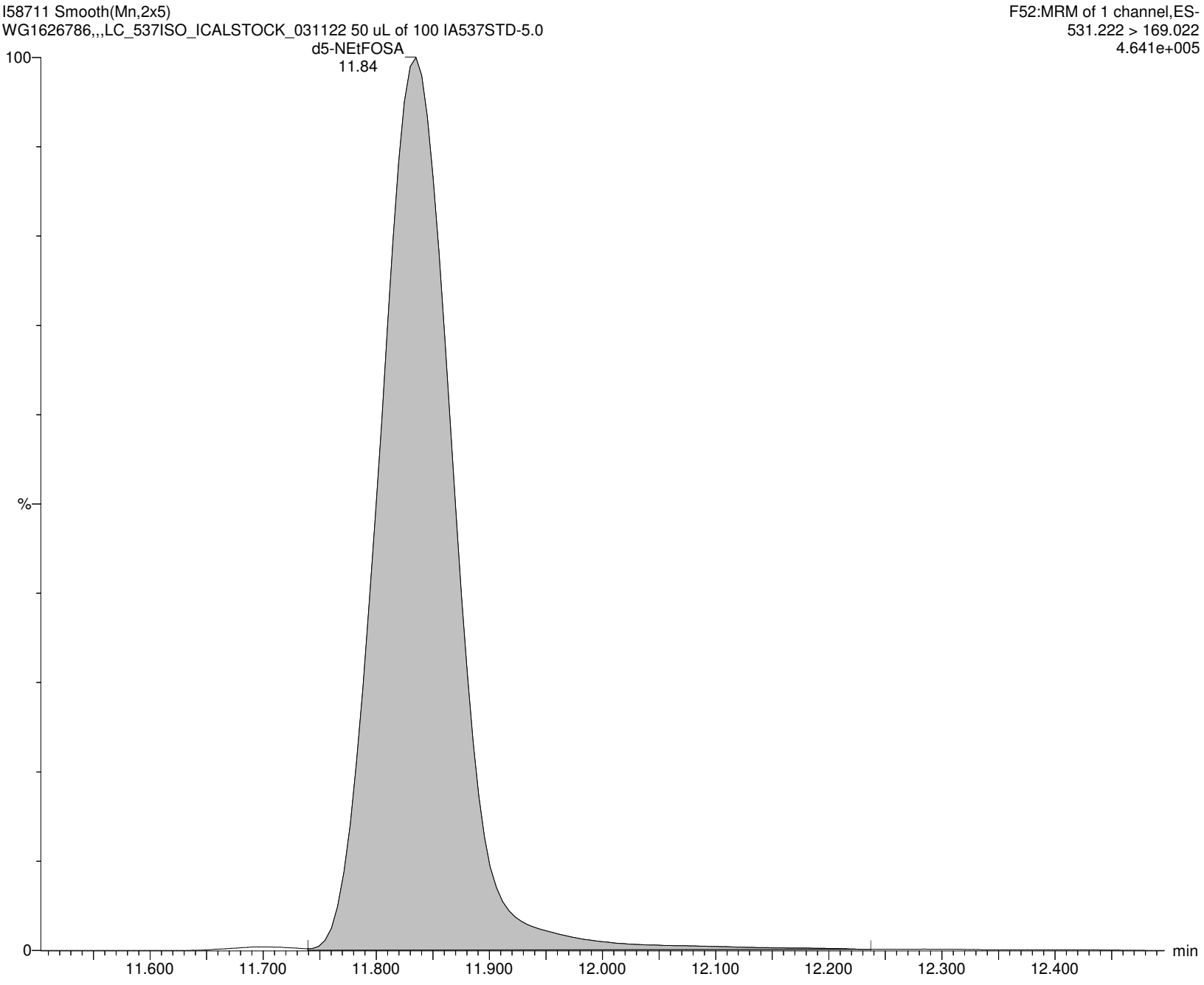


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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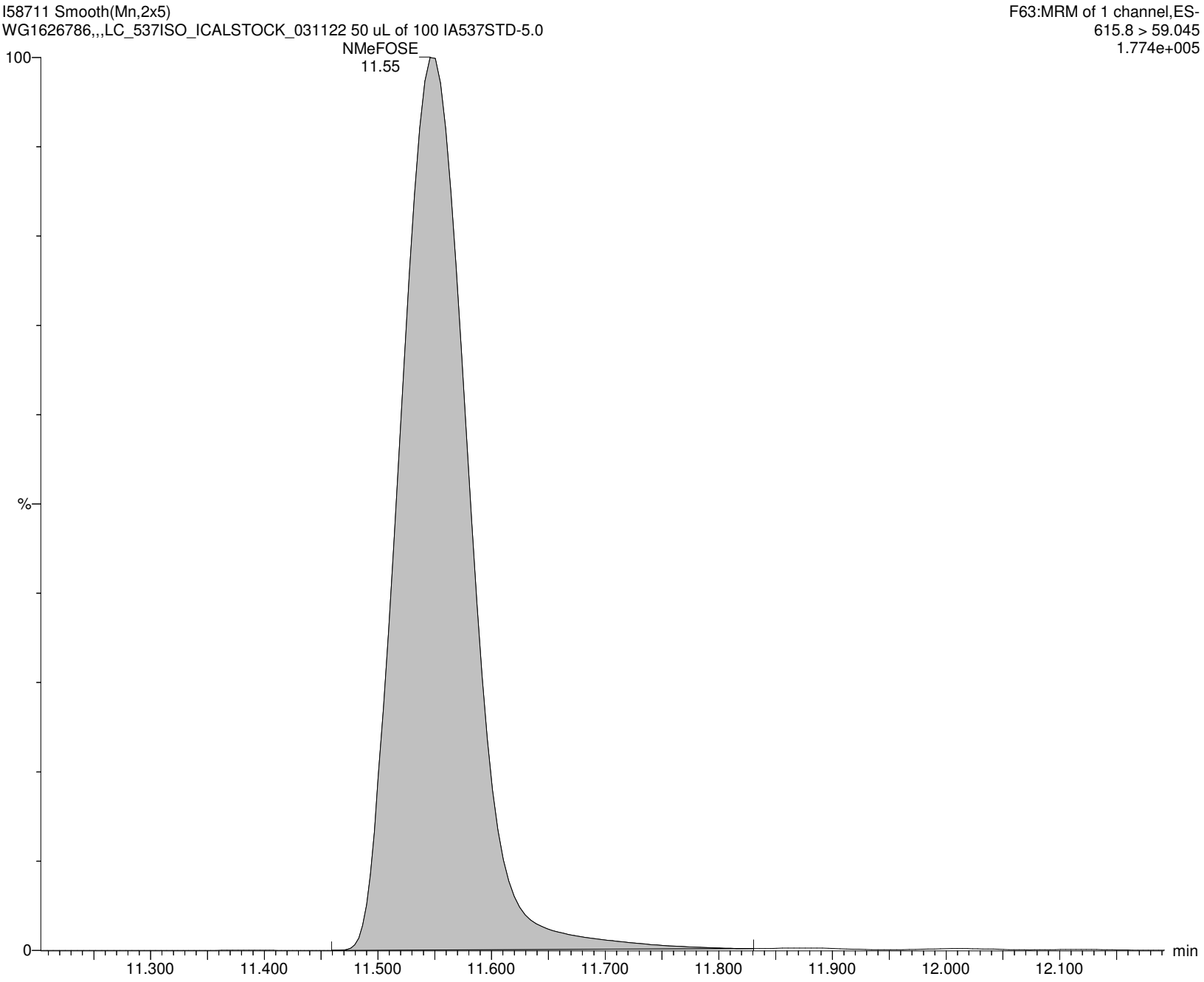


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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NMeFOSE

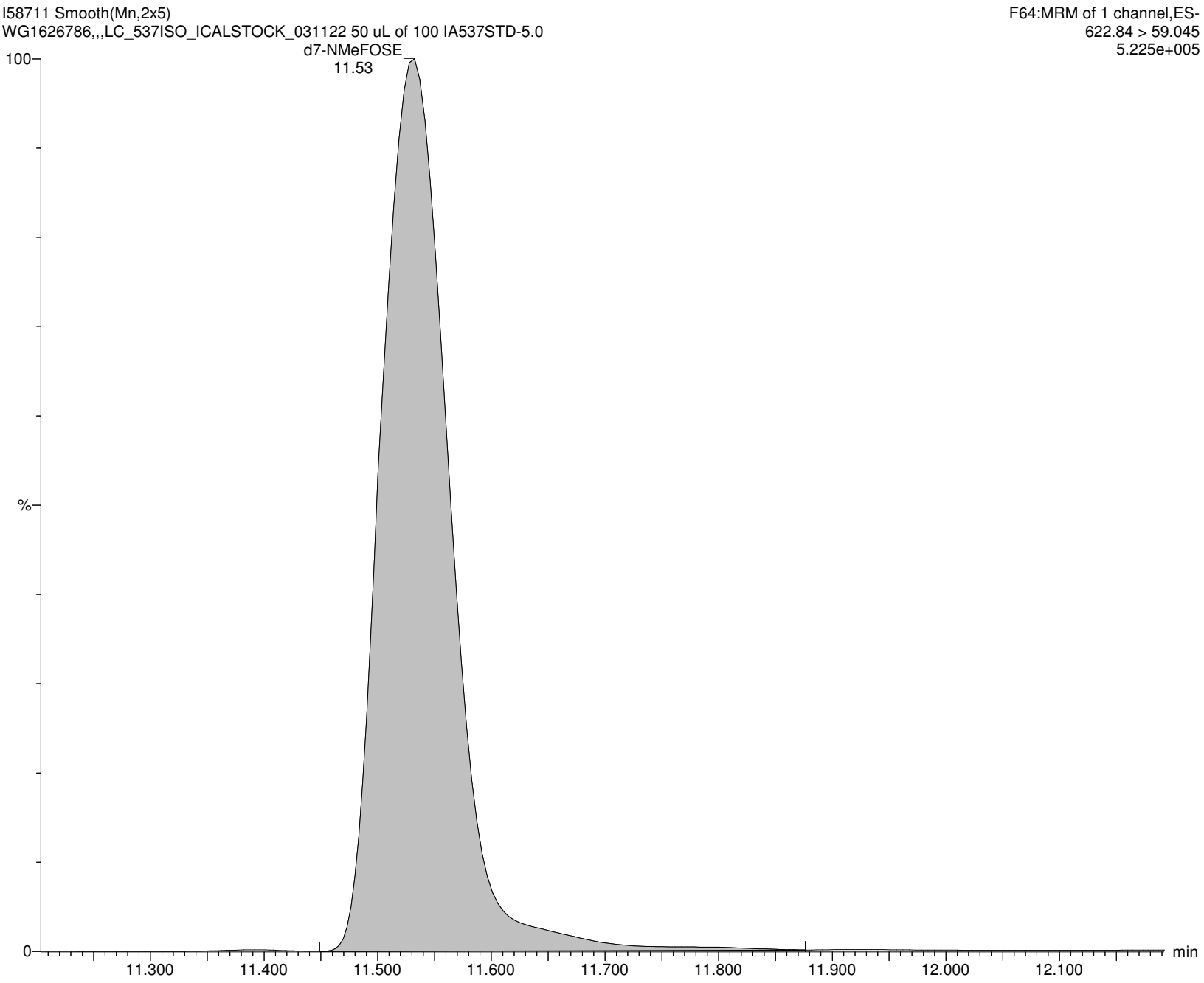


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,5
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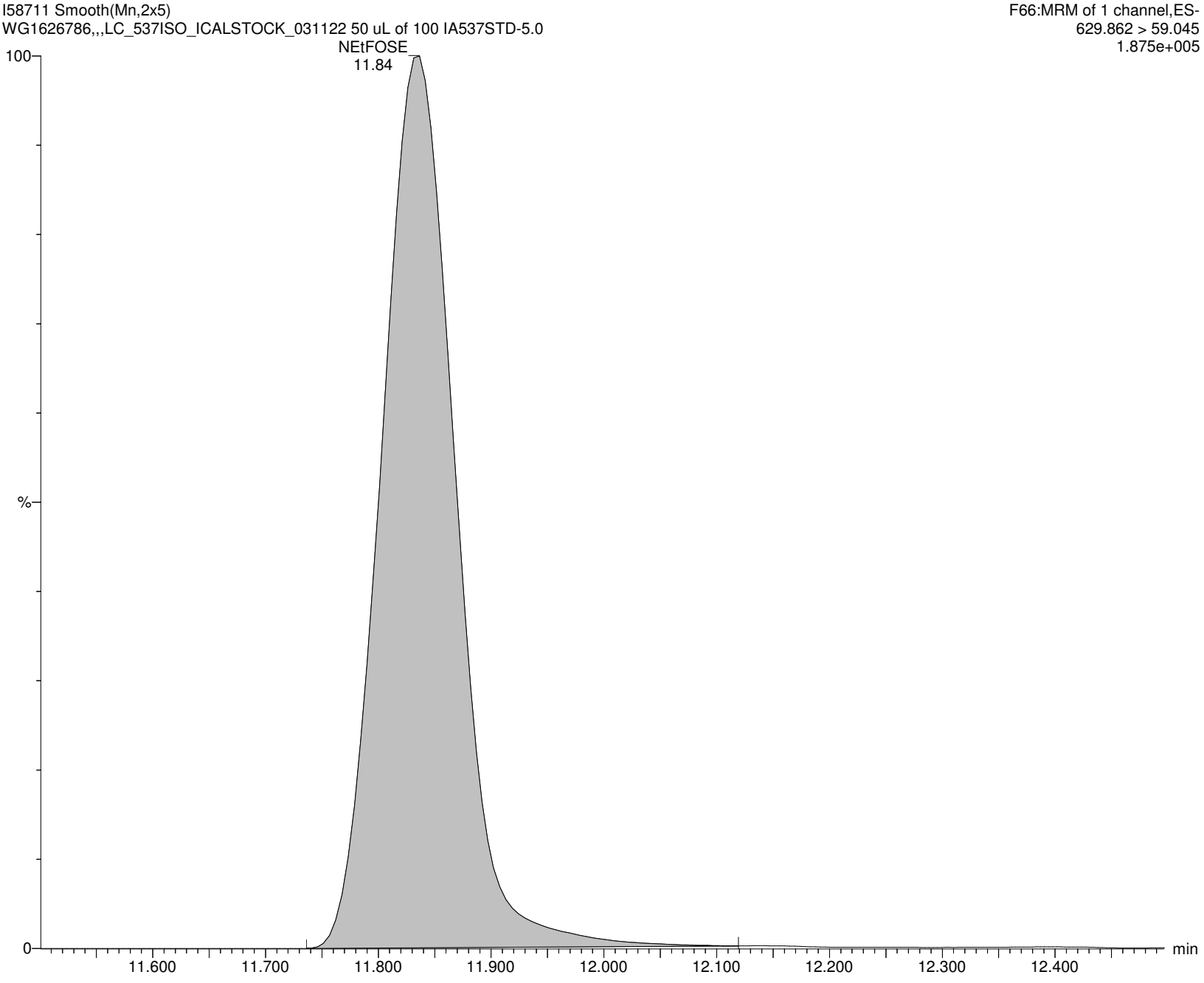


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:A,5
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NEtFOSE

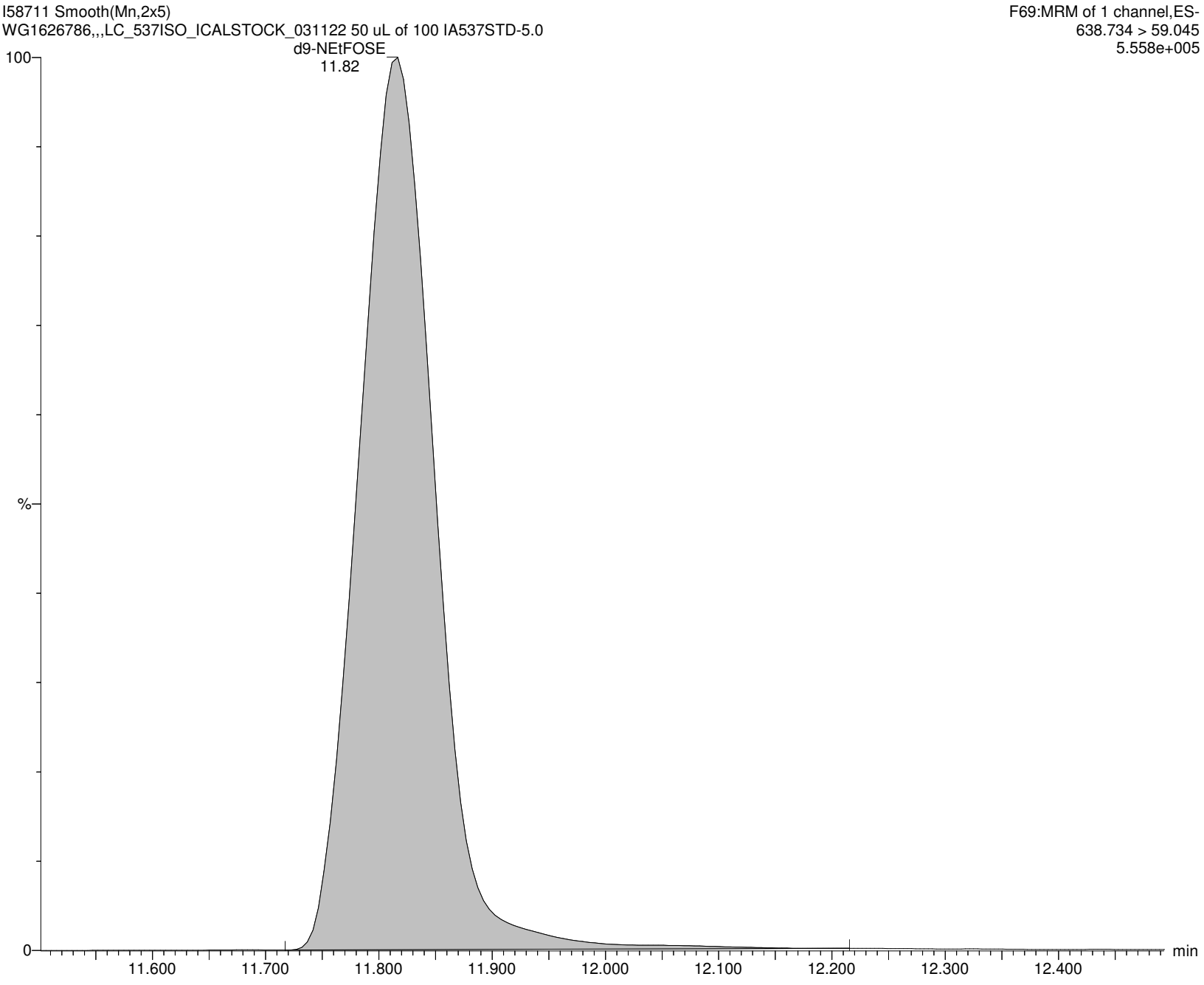


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d9-NEtFOSE

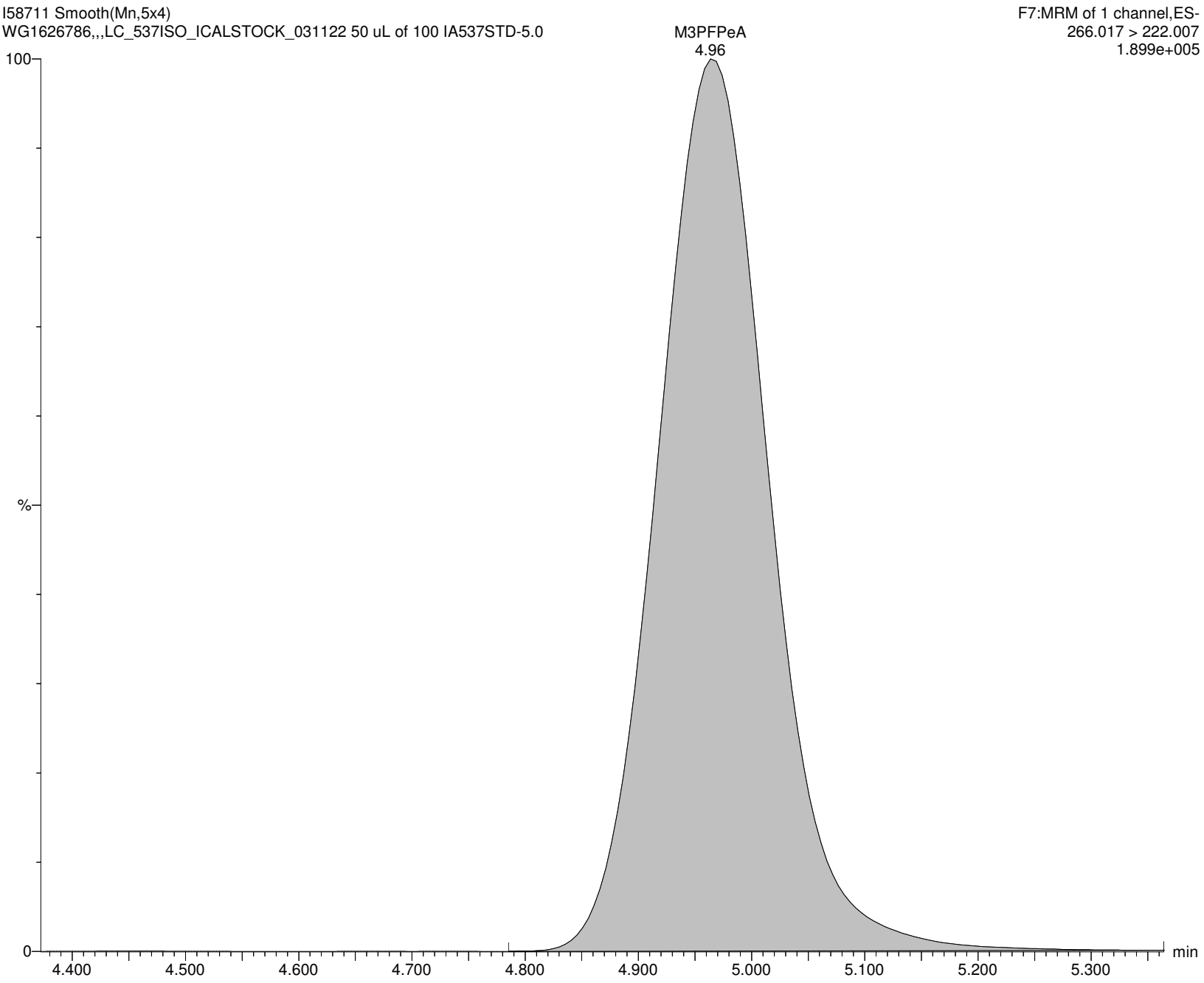


all concentration units in (ng/mL)

Alpha Analytical Inc.
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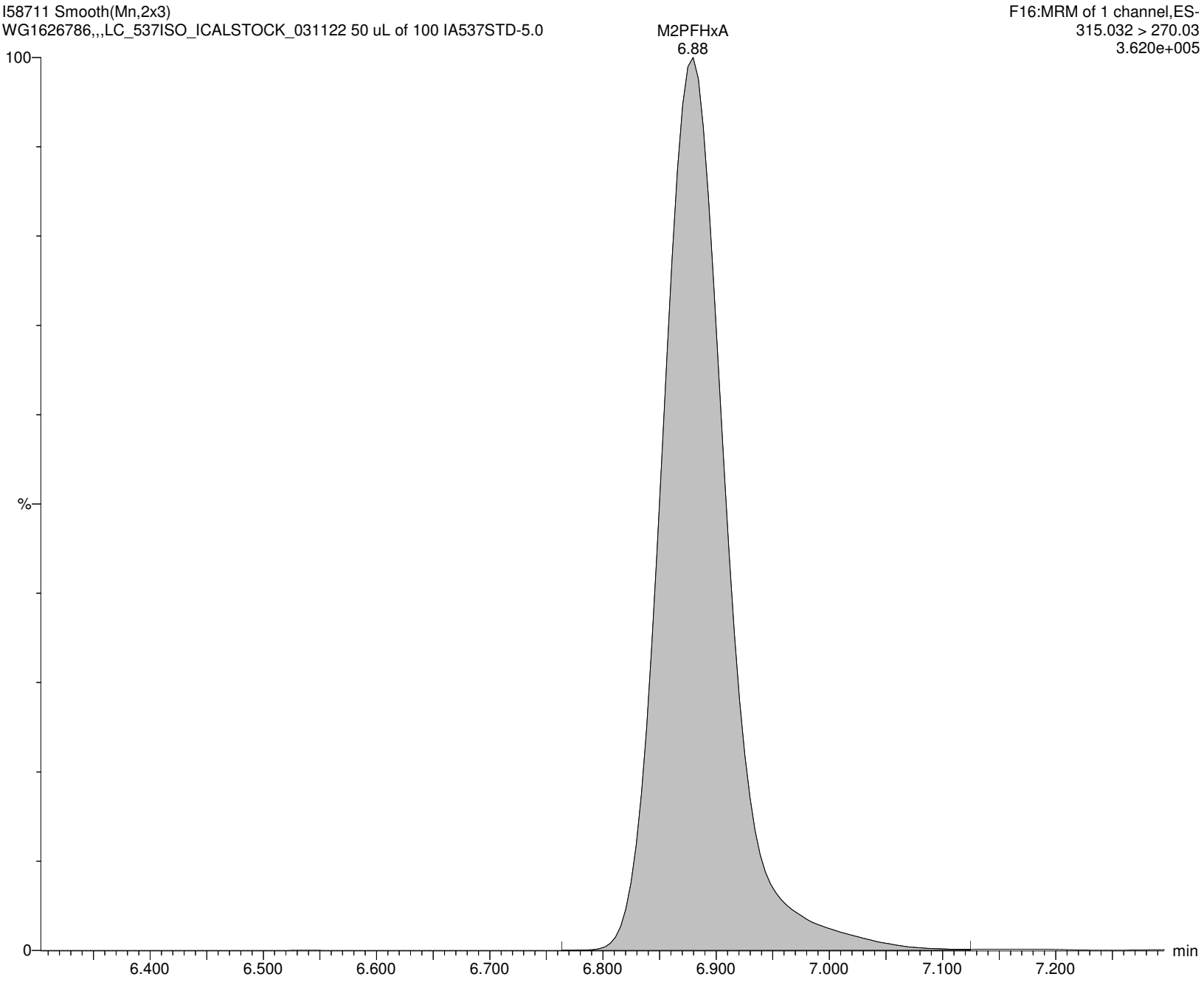


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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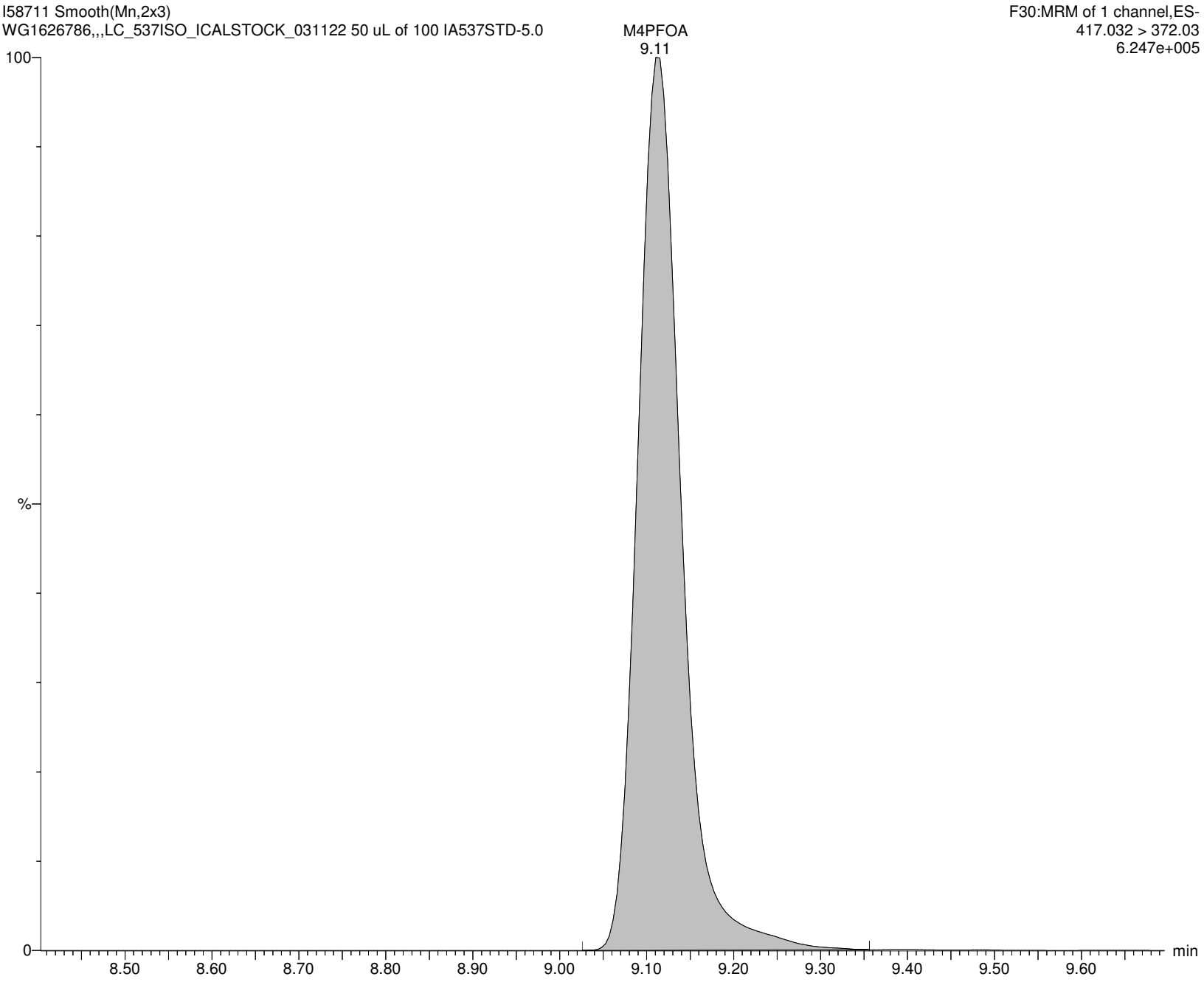


all concentration units in (ng/mL)

Alpha Analytical Inc.
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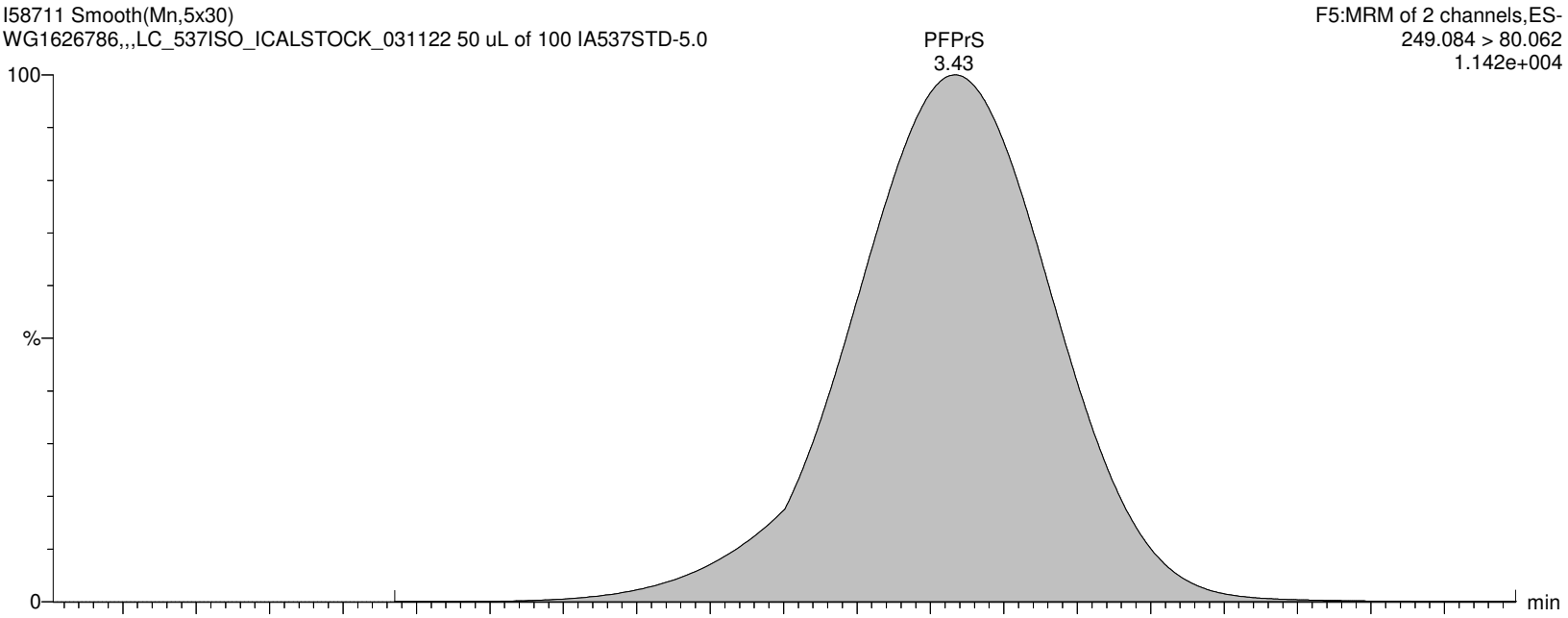


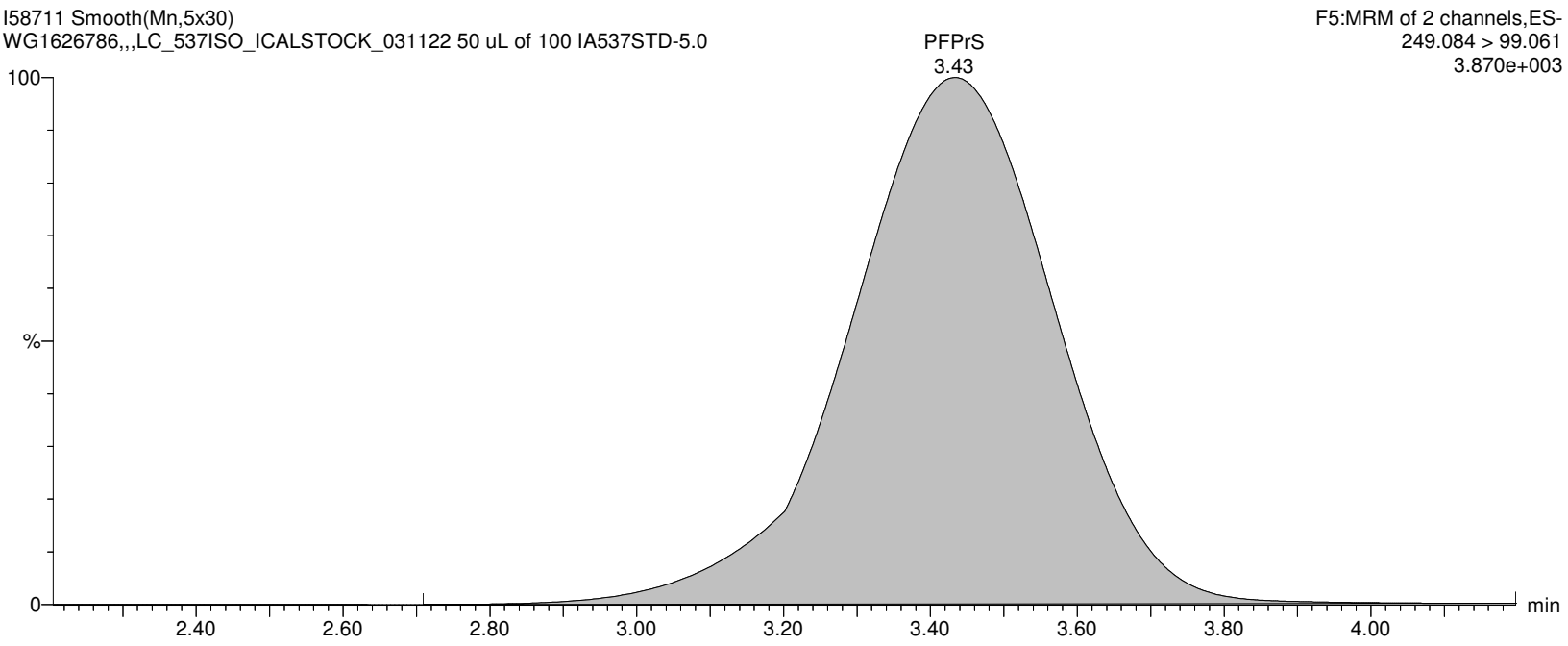
all concentration units in (ng/mL)

Alpha Analytical Inc.
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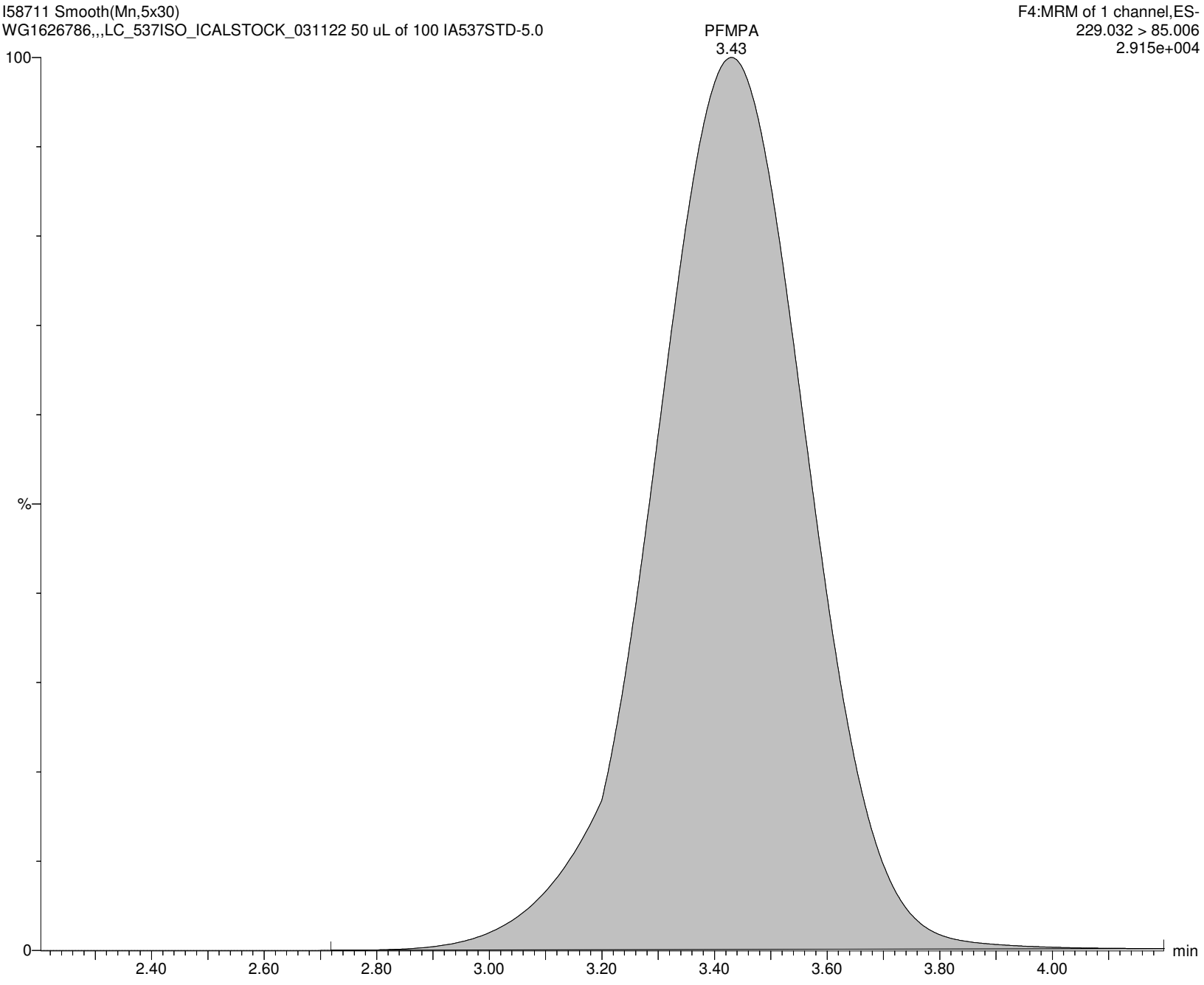


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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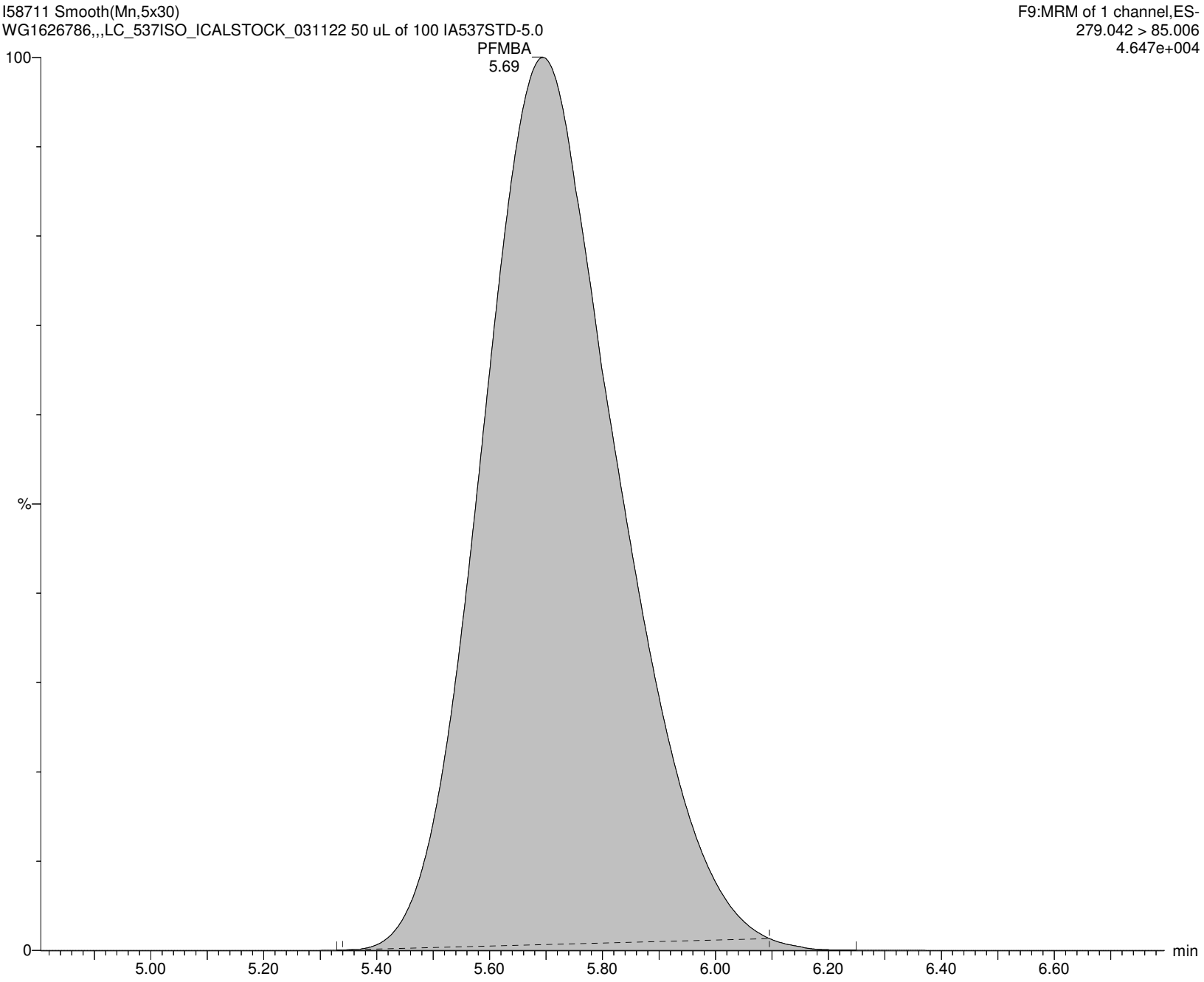


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,5
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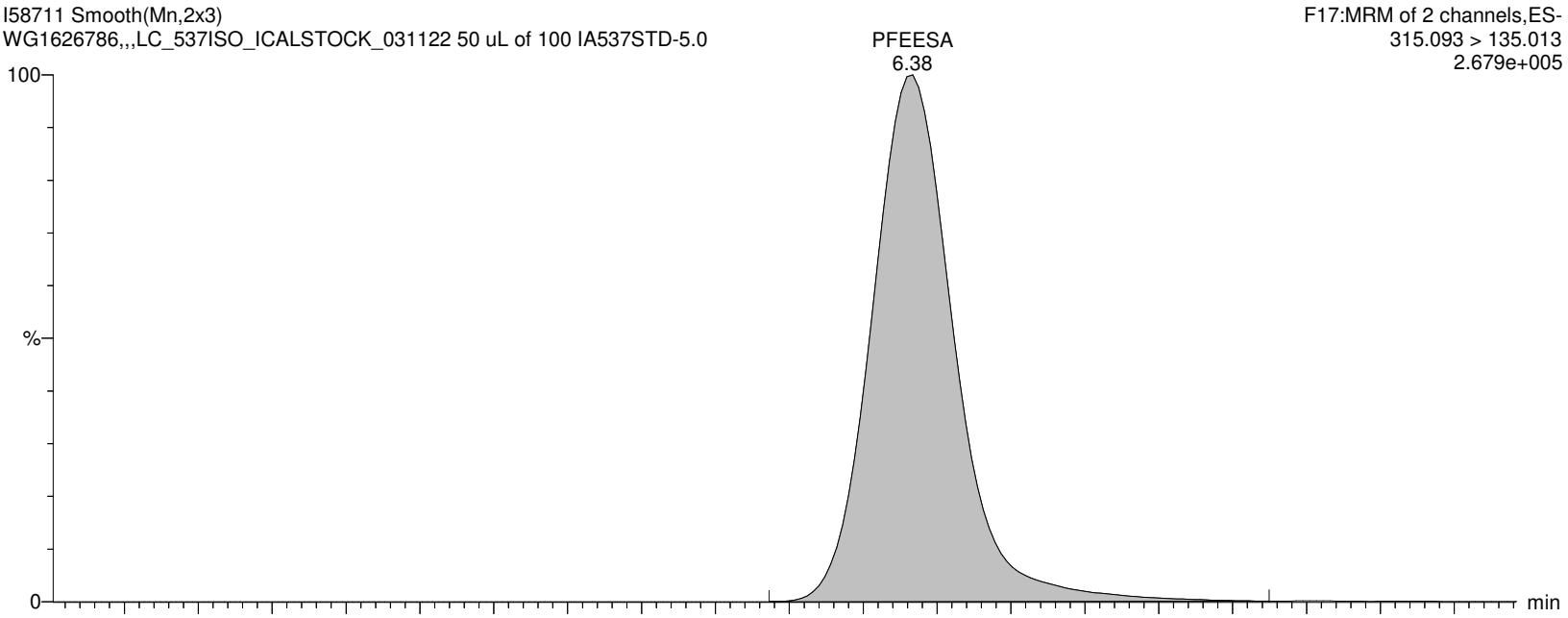


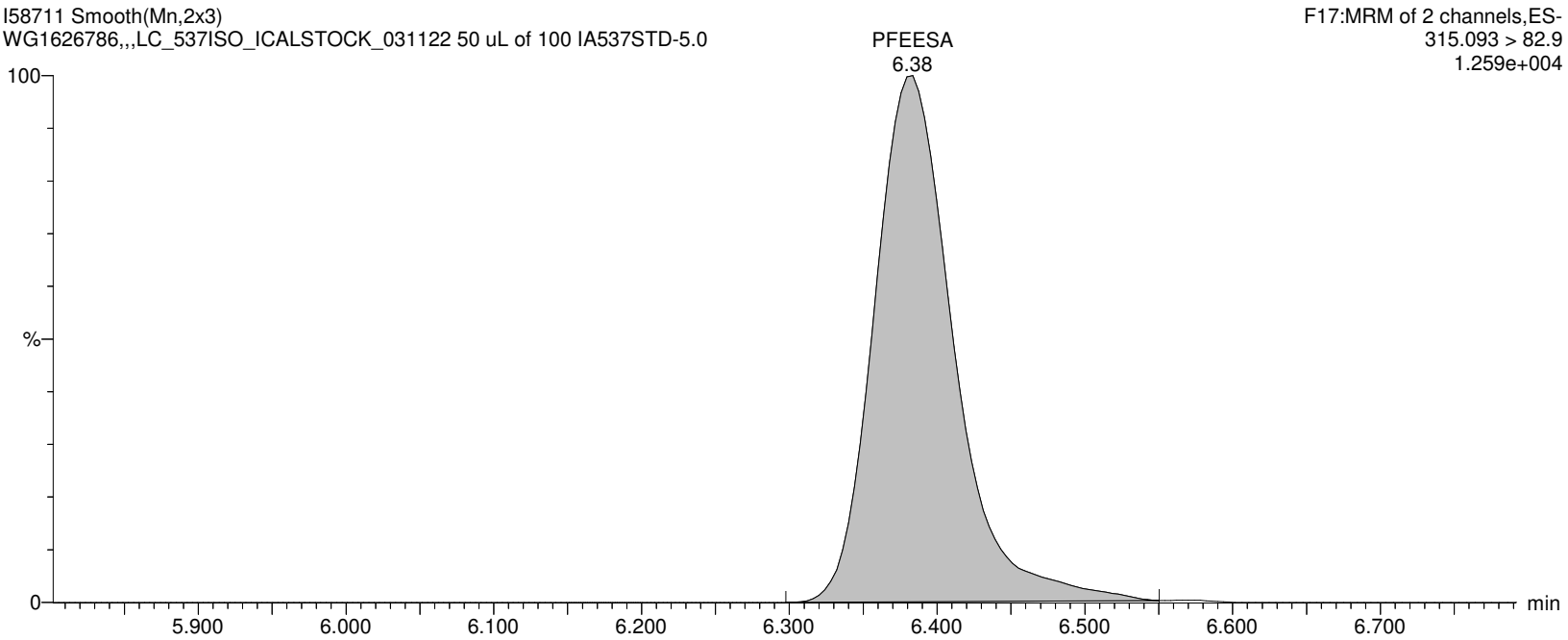
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,5
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PFEESA



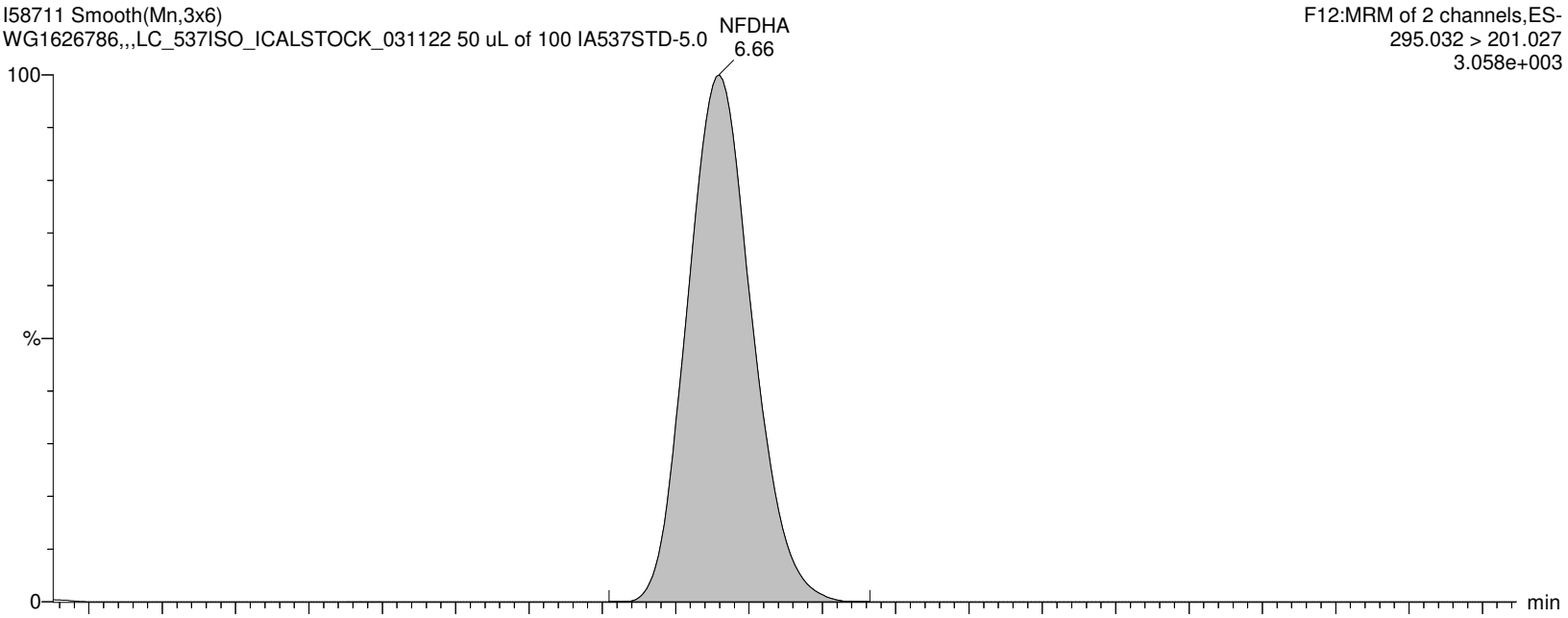


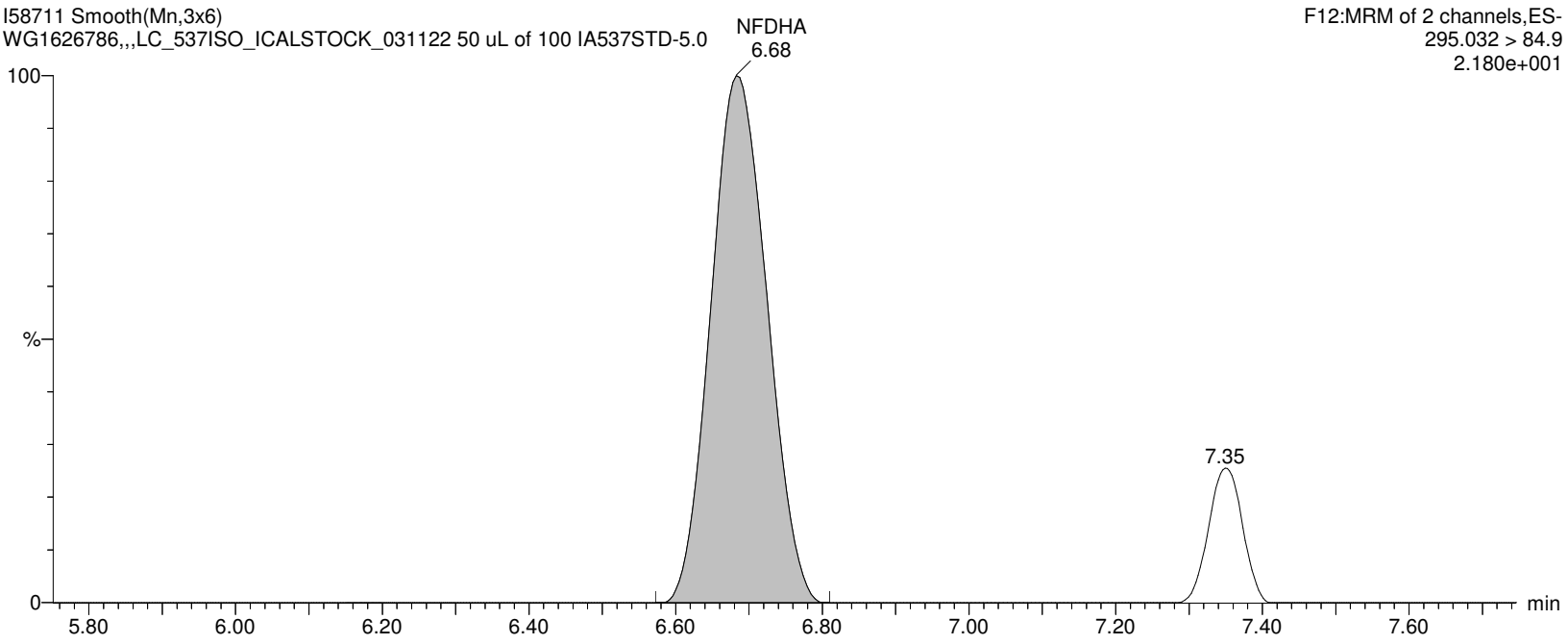
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:18 Eastern Daylight Time

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ID: IA537STD-5.0
Date: 13-Apr-2022
Time: 17:06:20
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL of 100
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Vial: 1:A,5
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:20 Eastern Daylight Time

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	24393		9.822		na	98.2
2	M3PFBA	INT STD	2.11	216.009 > 171.999	26242		10.302		na	103.0
3	MPFBA	INT STD	2.11	217.001 > 171.999	28950		9.889		na	98.9
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	27527		9.970		na	99.7
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	35742		9.939		na	99.4
6	PFBS	375-73-5	5.63	299.092 > 80.062	6408		8.747	1.97	NO	98.6
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6620		9.150		na	98.2
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	2686		9.307	2.65	NO	99.3
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2756		8.535		na	91.0
10	PFHxA	307-24-4	6.88	313.047 > 269.037	43099		9.676	17.15	NO	96.8
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	45811		9.908		na	99.1
12	PFPeS	2706-91-4	7.21	349.1 > 80.062	6092		8.950	2.21	NO	95.1
13	PFHpA	375-85-9	8.16	363.055 > 319.045	52992		9.731	6.19	NO	97.3
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	54141		9.785		na	97.9
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	919	M5,M7	1.779	2.36	NO	94.1
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	4687		7.953	1.60	NO	98.1
17	PFHxS	355-46-4		399.107 > 80.062	5606		9.732		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	6326		9.323		na	98.3
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	70771		9.785	9.44	NO	97.9
21	PFOA	335-67-1		412.8430 > 368.9430	70771		9.785		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	73475		9.843		na	98.4
23	M2PFOA	INT STD	9.11	414.828 > 369.935	69006		10.582		na	105.8
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	2337		9.488	3.56	NO	99.8
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	2435		8.389		na	88.2
26	PFHpS	375-92-8	9.22	449.115 > 80.062	4185		9.380	1.26	NO	98.4
27	PFNA	375-95-1	9.88	462.8510 > 418.951	57548		9.584	3.94	NO	95.8
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	70504		10.114		na	101.1
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	1886	M5,M7	1.909	3.88	NO	90.5
30	L-PFOS	1763-23-1	9.94	498.9030 > 79.9520	5784		7.531	1.84	NO	95.4
31	PFOS	1763-23-1		498.9030 > 79.9520	7670		9.440		na	
32	M4PFOS	INT STD	9.94	502.8730 > 79.952	6900		10.578		na	105.8
33	M8PFOS	INT STD	9.94	506.5852> 79.9565	8572		9.658		na	100.7
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	63486		9.900	6.76	NO	99.0
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	58616		10.920		na	109.2
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	68723		9.829		na	98.3
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	3380		9.969	4.11	NO	103.8
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1682		8.696		na	90.6
39	PFNS	68259-12-1	10.55	549.131 > 80.062	3791		9.384	1.53	NO	97.5

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Instrument: XEVO-TQSmicro#QEB0050
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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2646		9.144		na	91.4
41	br-NMeFOSAA		10.74	570.202 > 419.061	256	M5,M7	2.143	1.00	NO	89.3
42	L-NMeFOSAA		10.90	570.202 > 419.061	2287		6.931	1.74	NO	91.2
43	NMeFOSAA	2355-31-9		570.202 > 419.061	2543		9.073		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	63032		10.061	12.12	NO	100.6
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	41381		9.949		na	99.5
46	PFDS	335-77-3	11.08	599.139 > 80.062	4152		10.207	1.76	NO	105.8
47	FOSA	754-91-6	10.93	498.146 > 78.07	11868		9.073	90.89	NO	90.7
48	M8FOSA	INT STD	10.93	506.077 > 78.07	18890		9.667		na	96.7
49	br-NEtFOSAA		11.05	584.229 > 419.061	167	M5,M7	2.226	0.63	NO	99.0
50	L-NEtFOSAA		11.19	584.229 > 419.061	1542		7.076	1.14	NO	91.3
51	NEtFOSAA	2991-50-6		584.229 > 419.061	1709		9.302		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2161		8.949		na	89.5
53	PFDoA	307-55-1	11.54	613.094 > 569.084	26891		9.750	23.23	NO	97.5
54	MPFDOA	INT STD	11.54	615.079 > 570.077	24669		9.335		na	93.3
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	22958		10.242	9.72	NO	102.4
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	36105		10.595	11.08	NO	105.9
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	51077		9.152		na	91.5
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	6749		224.654		na	112.3
59	HFPO-DA	13252-13-6	7.32	285.035 > 169.022	2724		71.568	4.69	NO	71.6
60	ADONA	958445-44-8	8.34	377.06 > 251.028	39870		9.266	26.45	NO	98.1
61	PFHxDA		12.75	813.122 > 768.8565	10708		10.694	19.03	NO	106.9
62	PFODA		12.97	913.411 > 868.7332	1857		9.310	19.62	NO	93.1
63	M2PFHxDA		12.75	815.102 > 770.108	8940		9.433		na	94.3
64	PFDoS		11.95	699.154 > 80.062	2656		10.850	2.53	NO	108.5
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1542	M4	18.535		na	94.6
66	10:2FTS		11.55	627.192 > 607.186	862		8.298	1.55	NO	85.9
67	9CL-PF3ONS		10.29	530.862 > 350.843	33498		8.741	2.88	NO	93.7
68	11CL-PFOUdS		11.34	630.862 > 450.854	26445		8.609	3.20	NO	91.3
69	NMeFOSA		11.55	512.163 > 169.022	11631		47.169	2.06	NO	94.3
70	d3-NMeFOSA		11.54	515.183 > 169.022	28852		96.024		na	96.0
71	NEtFOSA		11.85	526.192 > 169.022	14037		47.744	4.65	NO	95.5
72	d5-NEtFOSA		11.84	531.222 > 169.022	34221		94.981		na	95.0
73	NMeFOSE		11.55	615.8 > 59.045	24519		25.273		na	101.1
74	d7-NMeFOSE		11.53	622.84 > 59.045	35065		98.041		na	98.0
75	NEtFOSE		11.84	629.862 > 59.045	28903		25.281		na	101.1
76	d9-NEtFOSE		11.82	638.734 > 59.045	42187		95.660		na	95.7
77	M3PFPeA		4.97	266.017 > 222.007	21445		10.324		na	103.2
78	M2PFHxA		6.88	315.032 > 270.03	24264		10.546		na	105.5
79	M4PFOA		9.12	417.032 > 372.03	36203		10.543		na	105.4
80	PFPrS	423-41-6	3.44	249.084 > 80.062	7158		8.909	2.96	NO	96.8
81	PFMPA		3.43	229.032 > 85.006	18161		10.770		na	107.7
82	PFMBA		5.70	279.042 > 85.006	24844	M4	10.274		na	102.7

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	33960		8.725	22.26	NO	98.0
84	NFDHA		6.66	295.032 > 201.027	855		12.107	27.43	NO	121.1

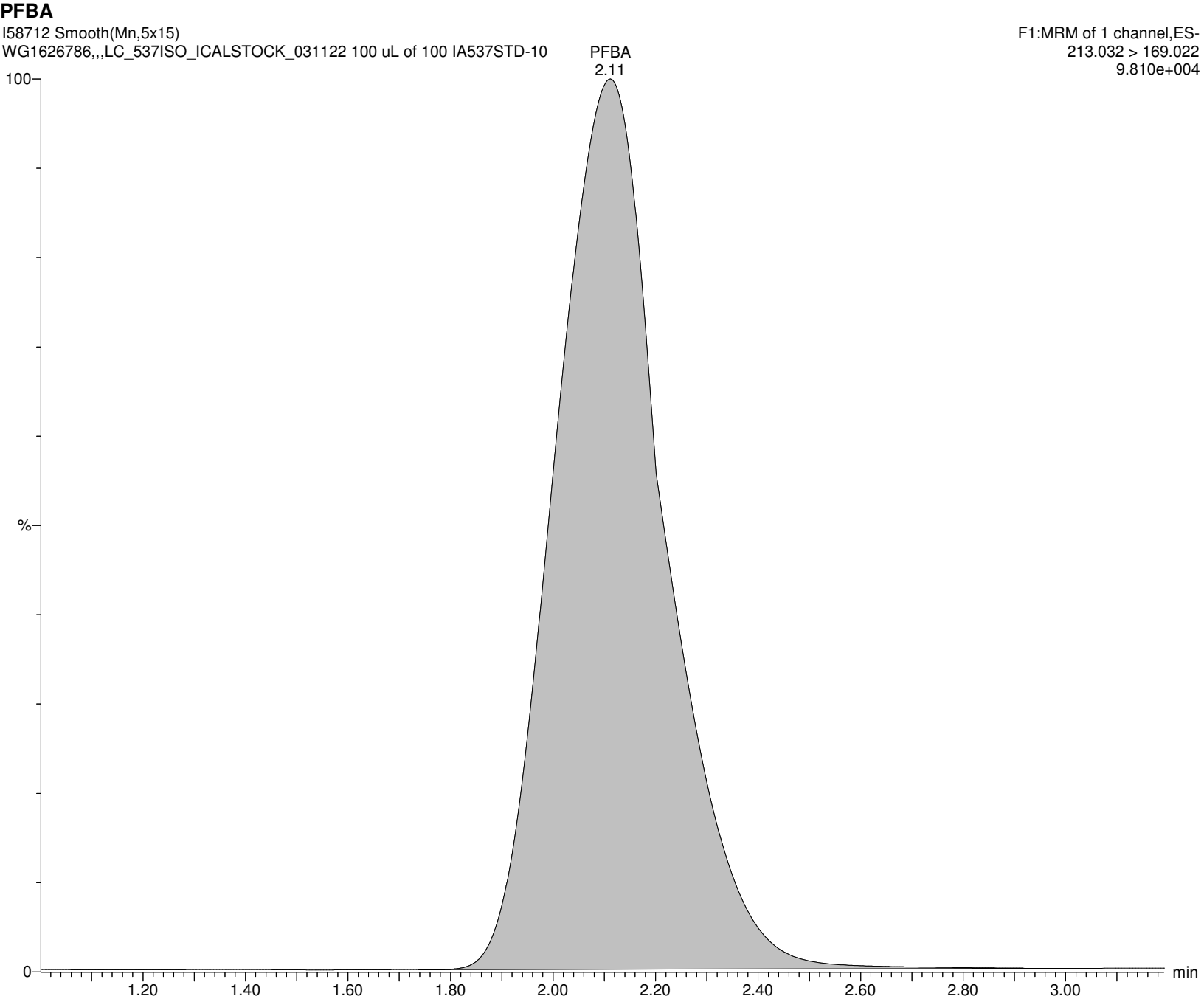
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PFBA

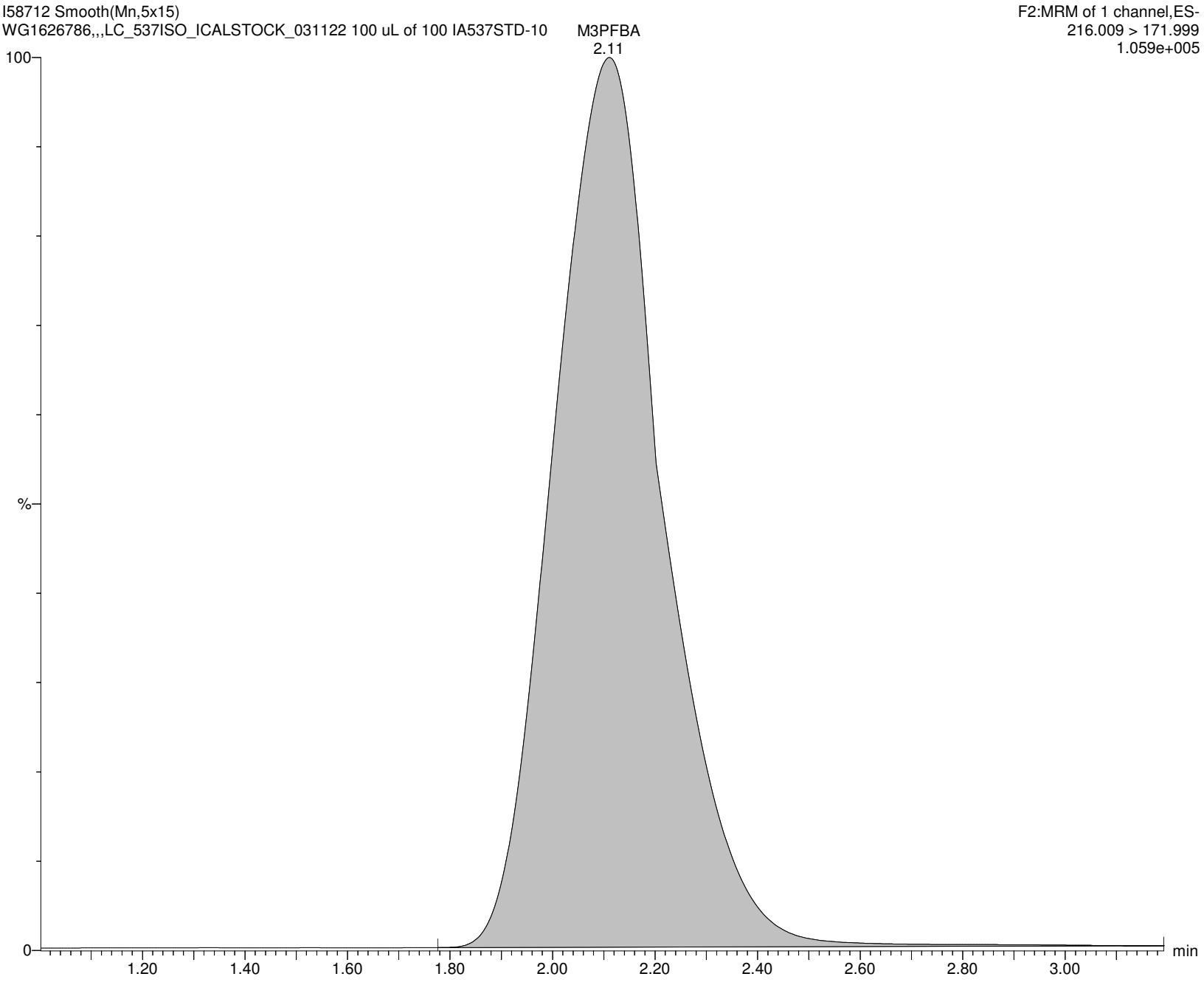


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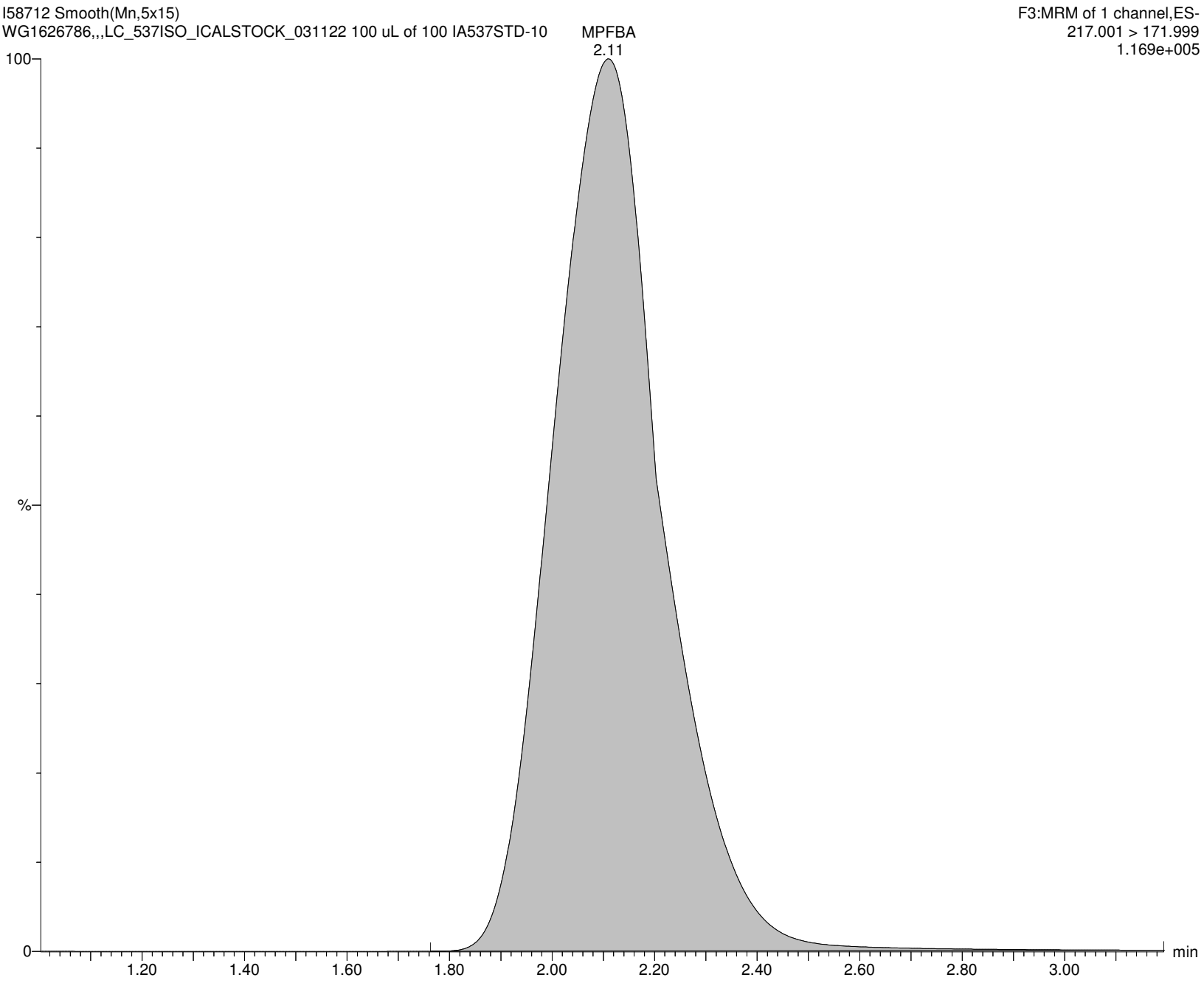


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MPFBA

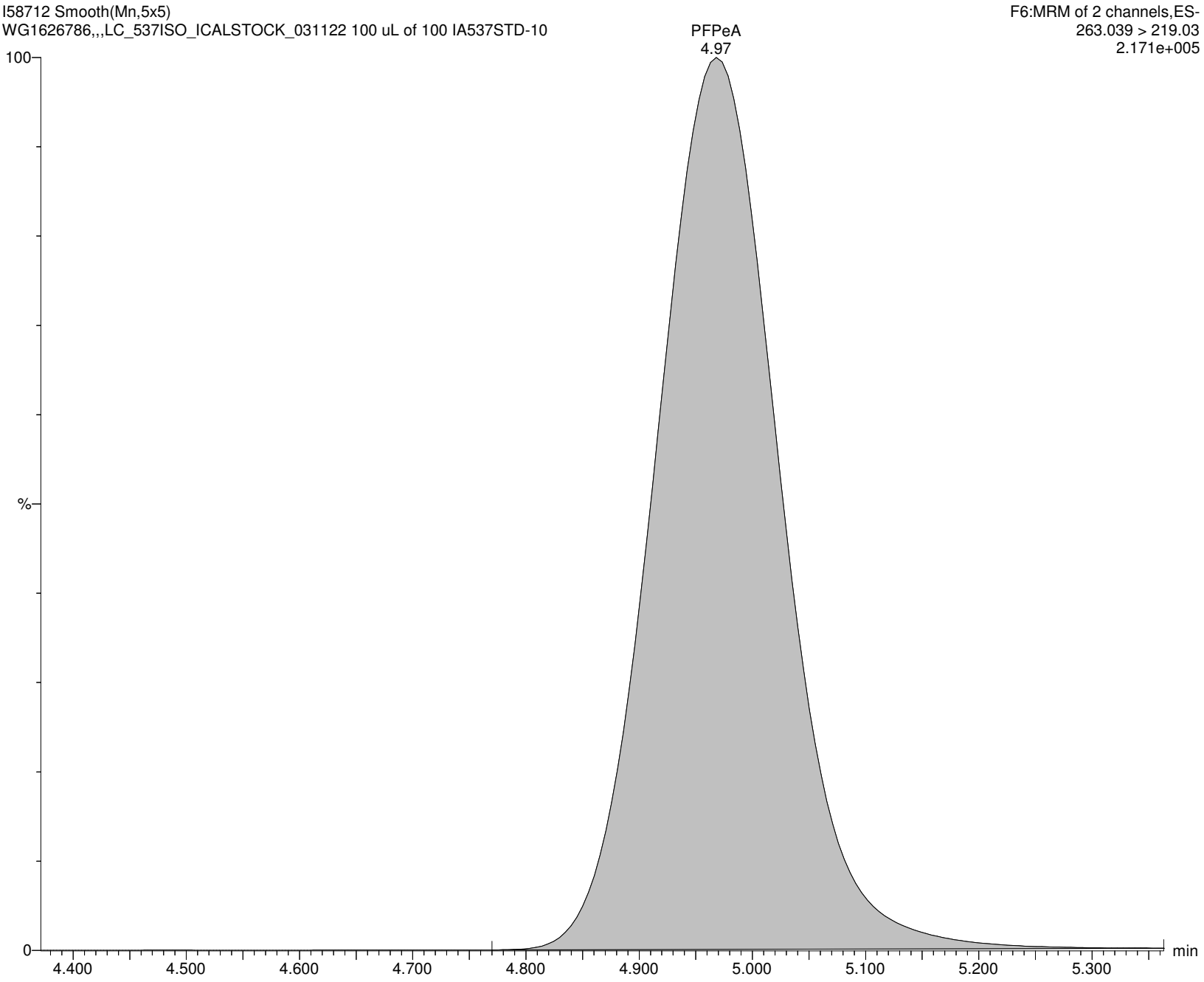


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PFPeA

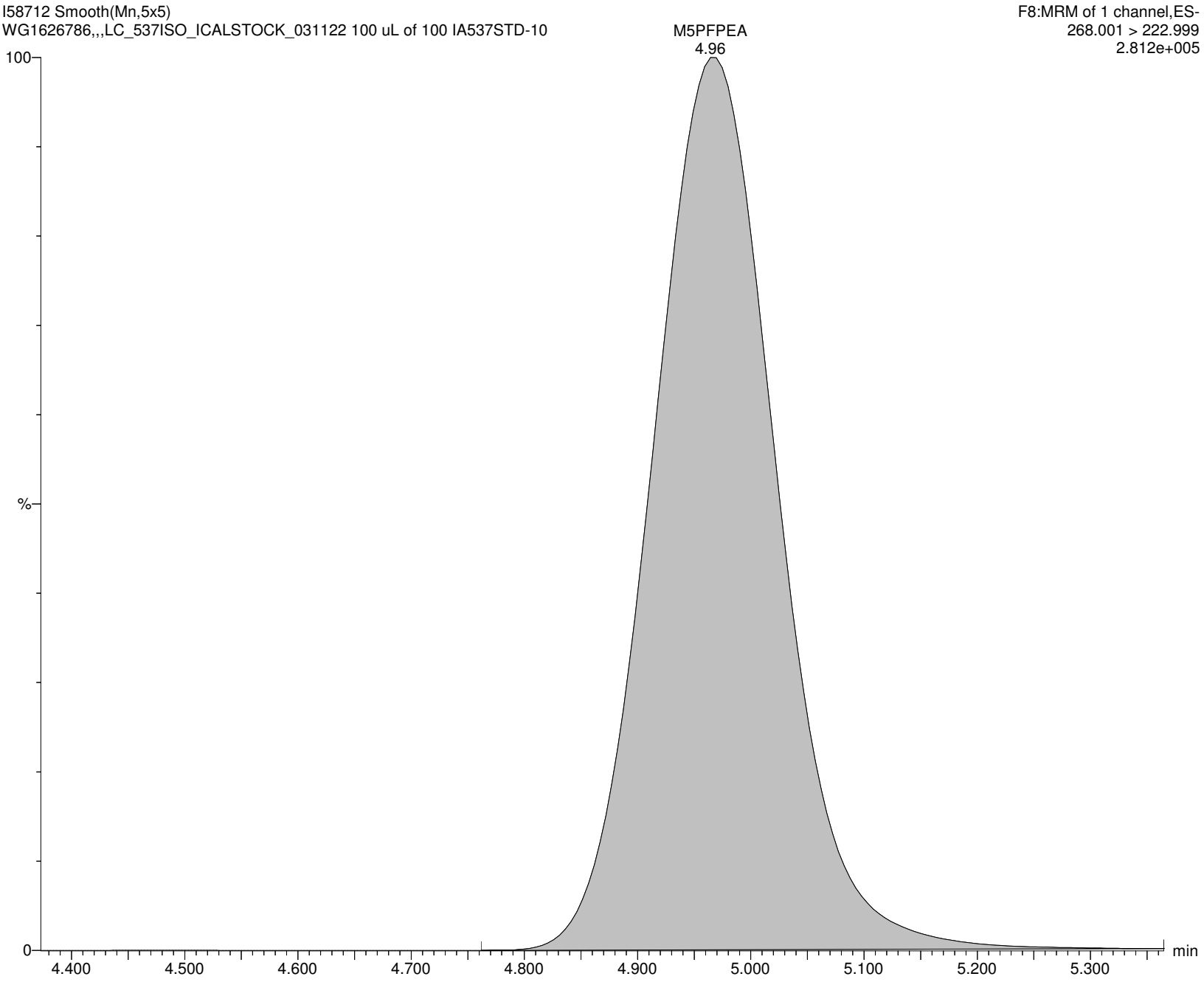


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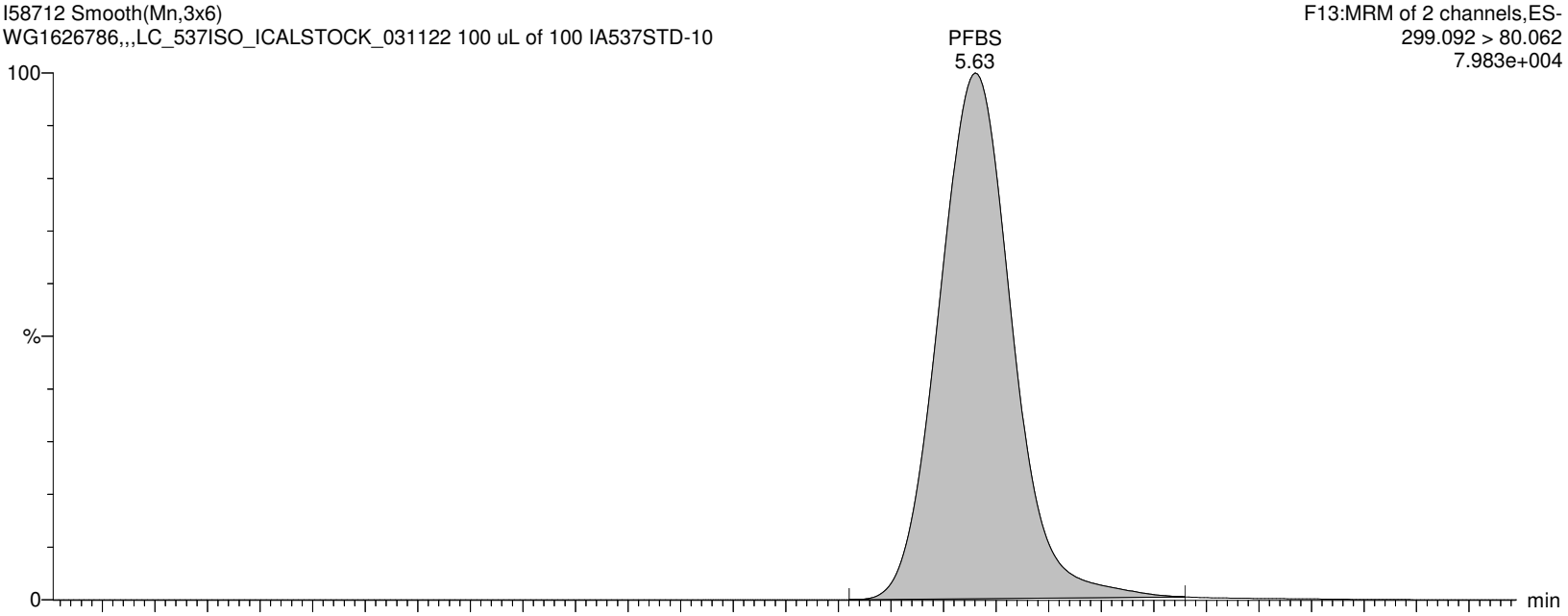


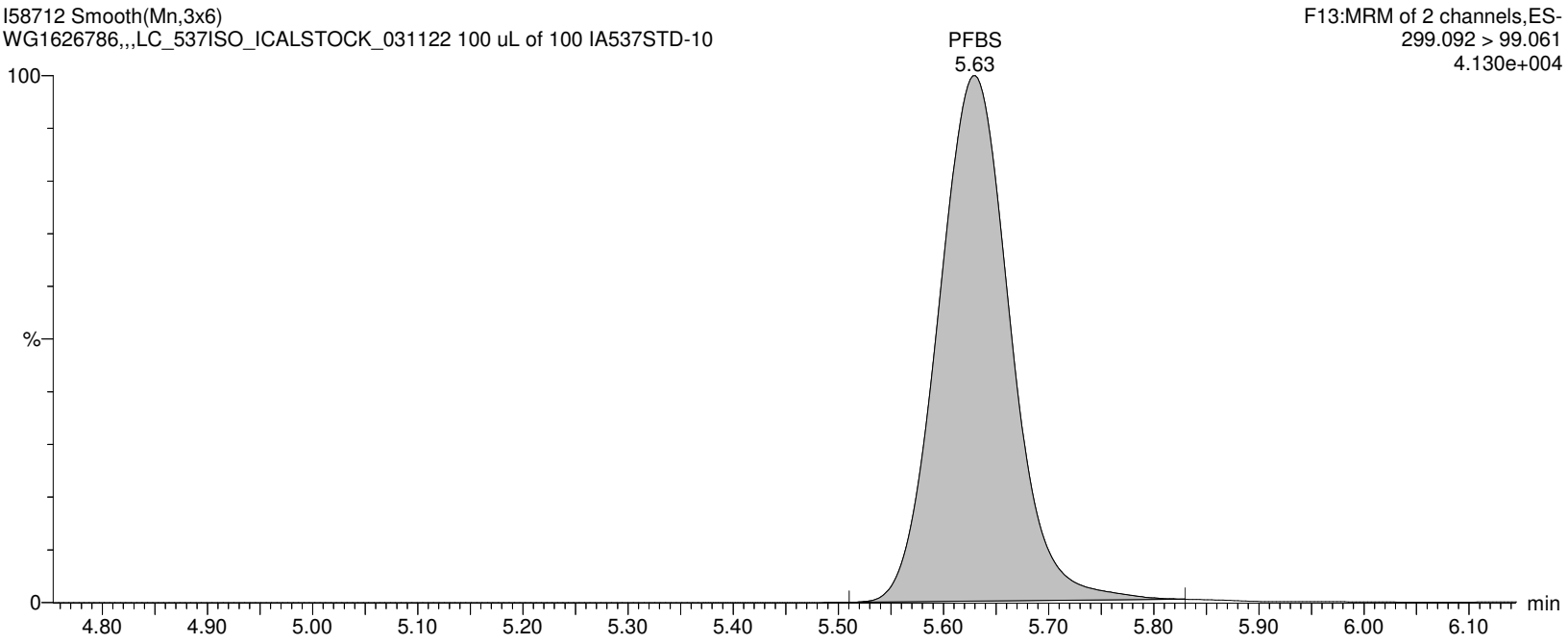
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PFBS



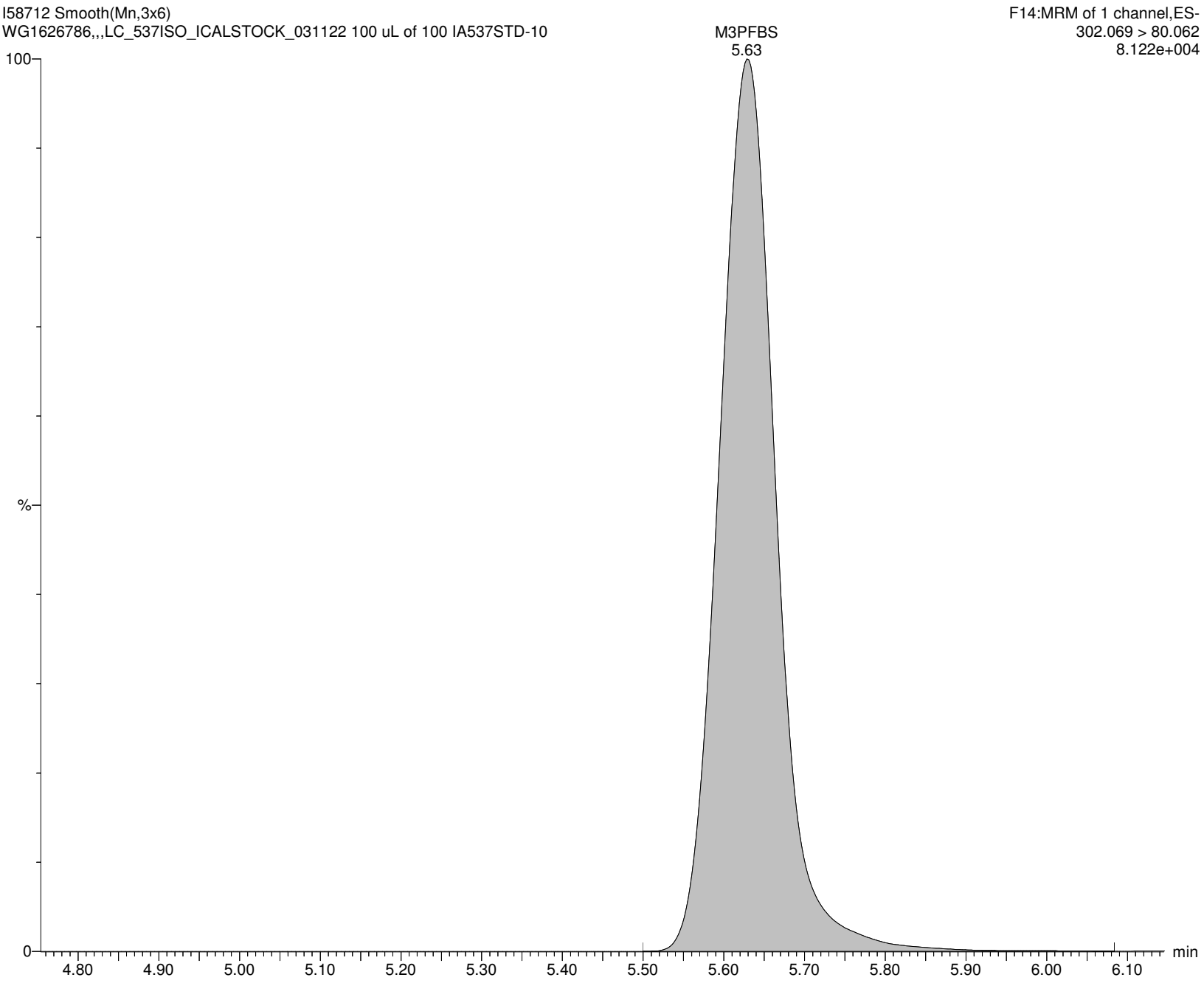


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M3PFBS

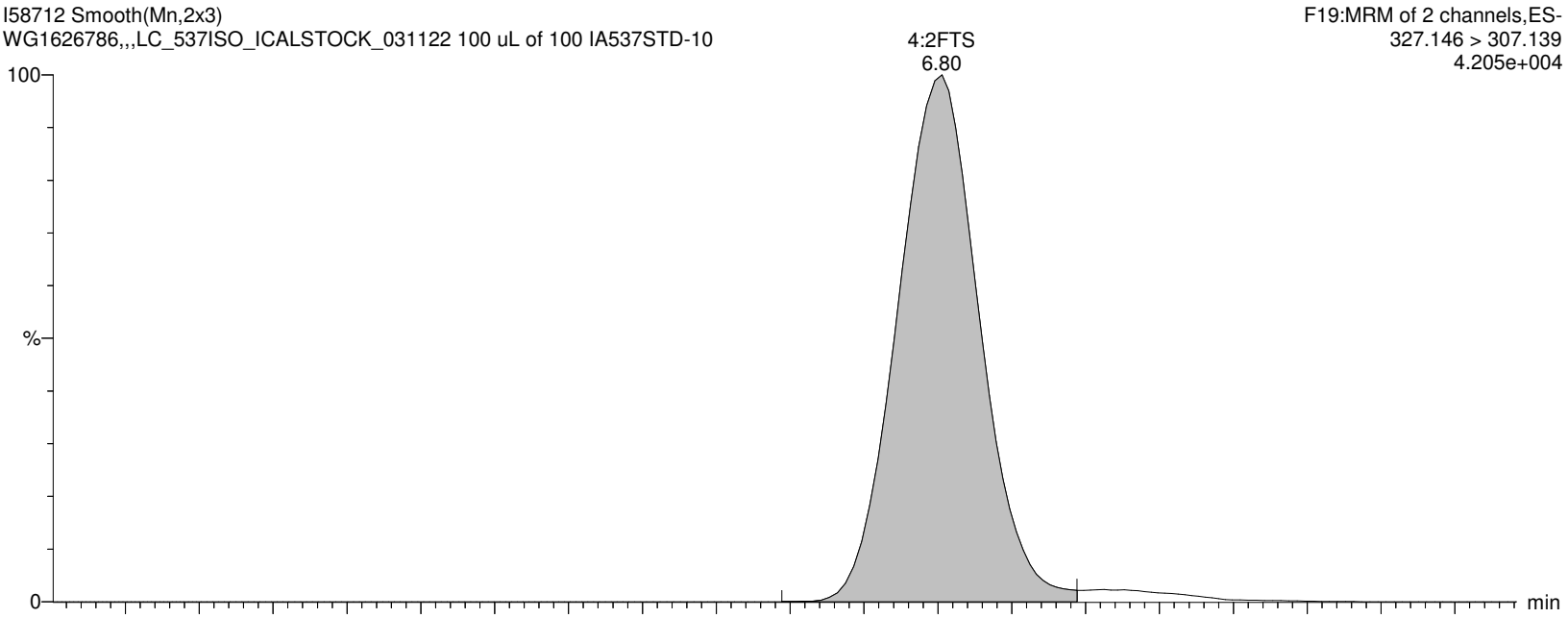


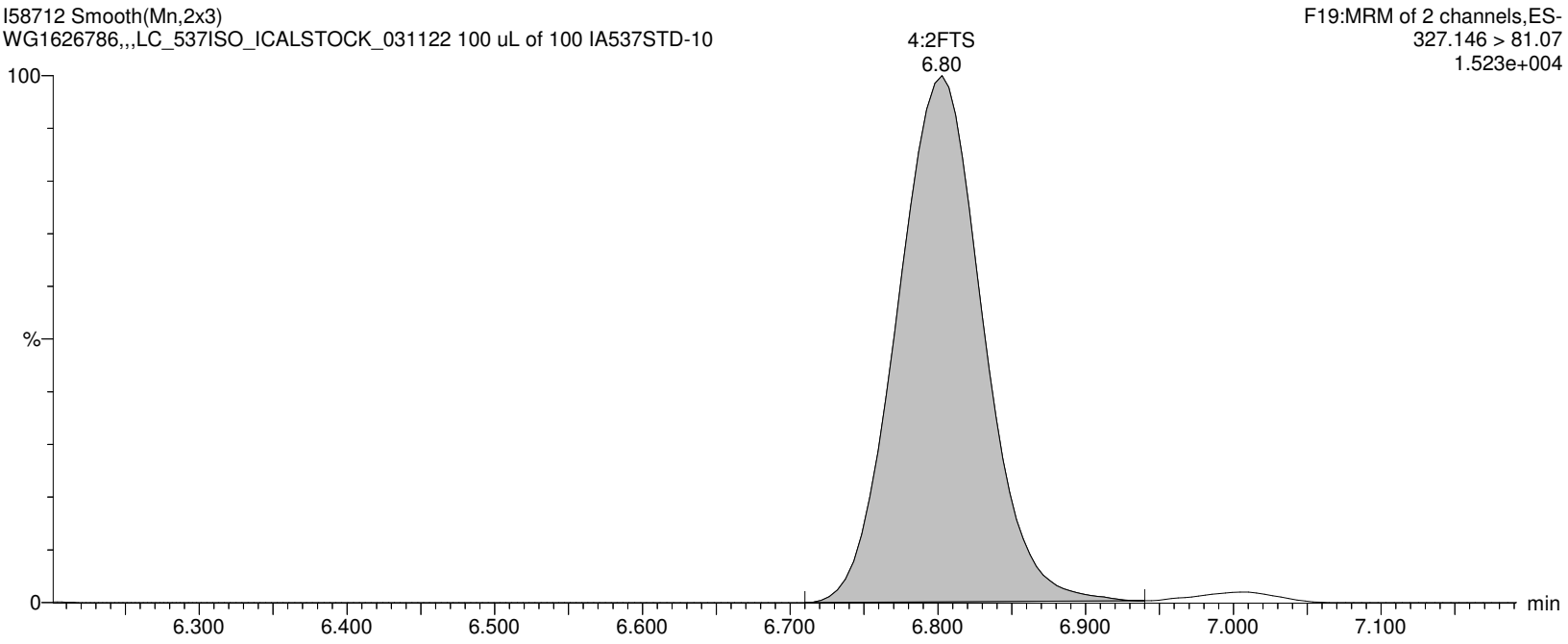
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4:2FTS



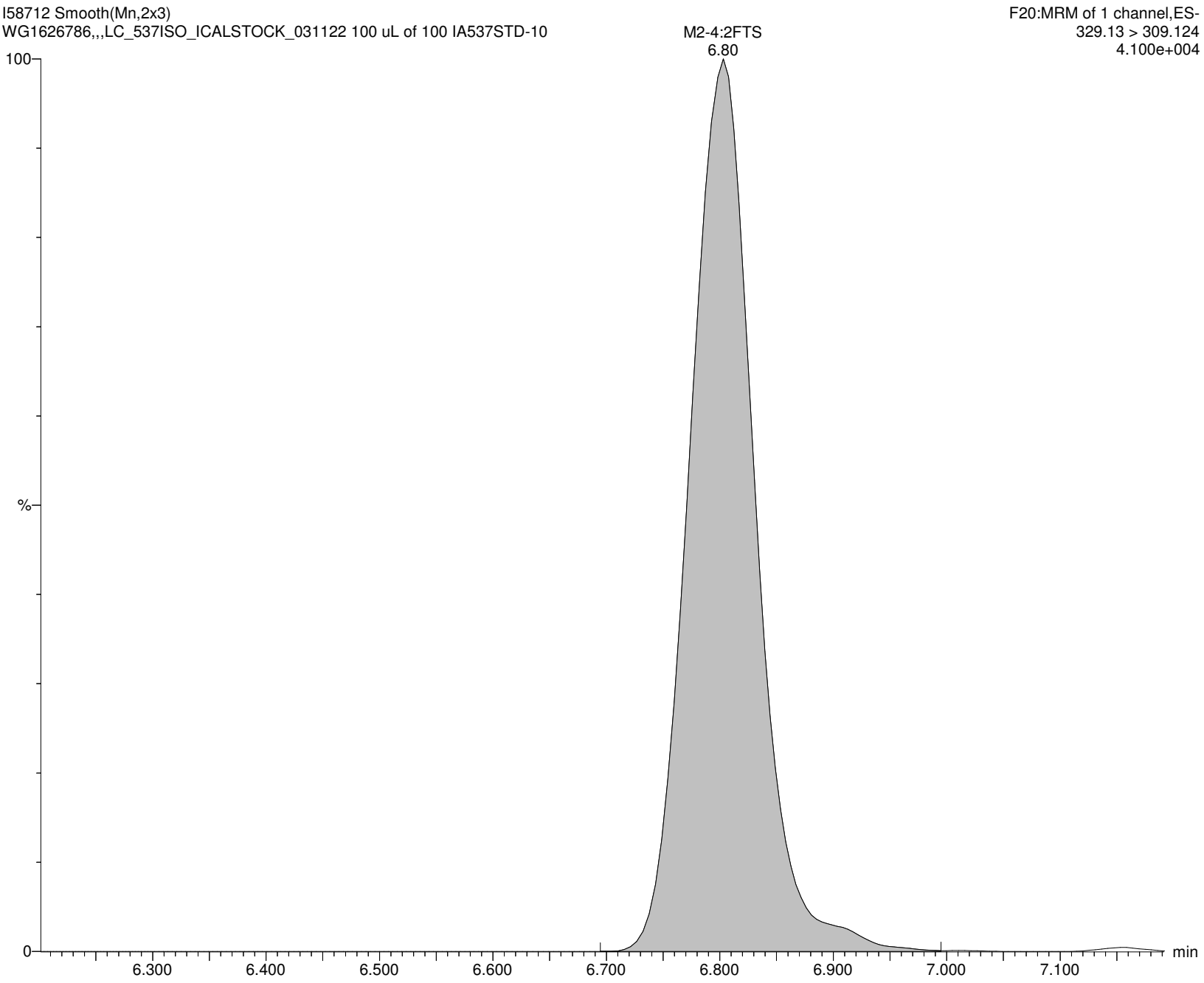


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:20 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:22:56
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 100
User: LCMS02:MP
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
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M2-4:2FTS

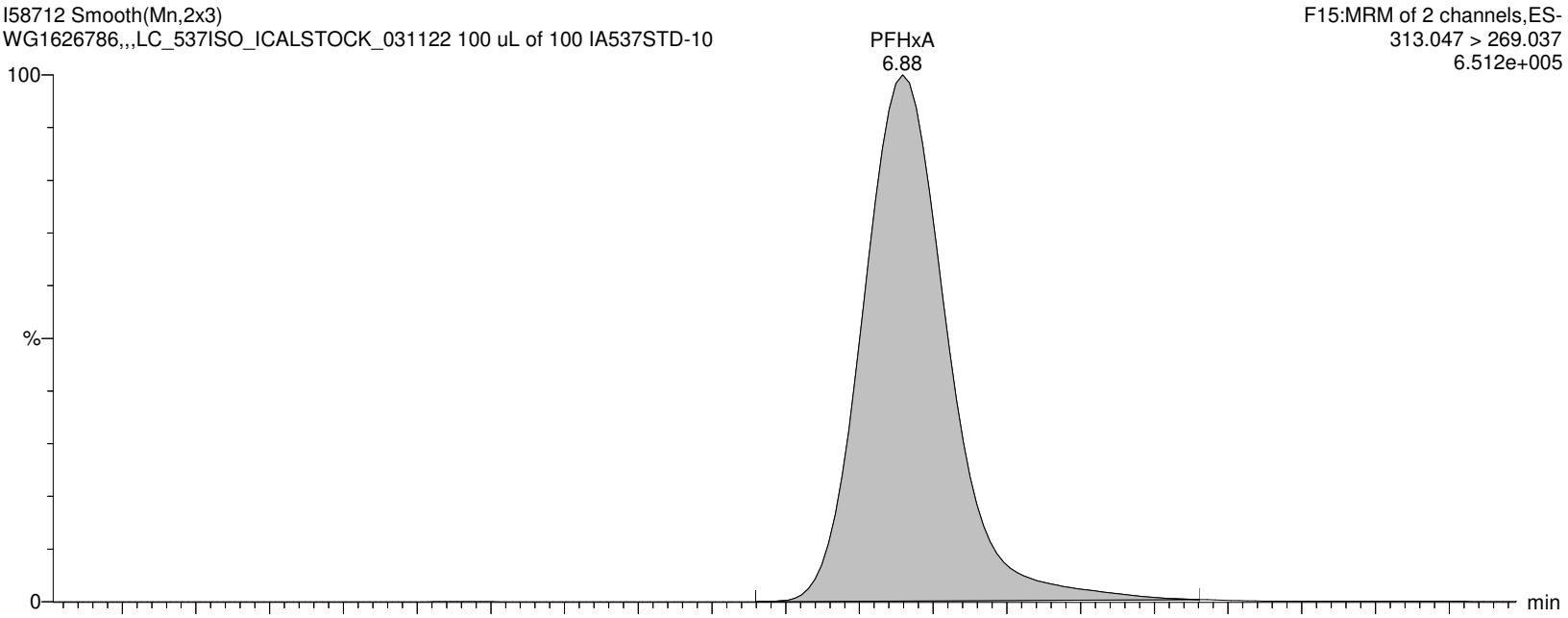


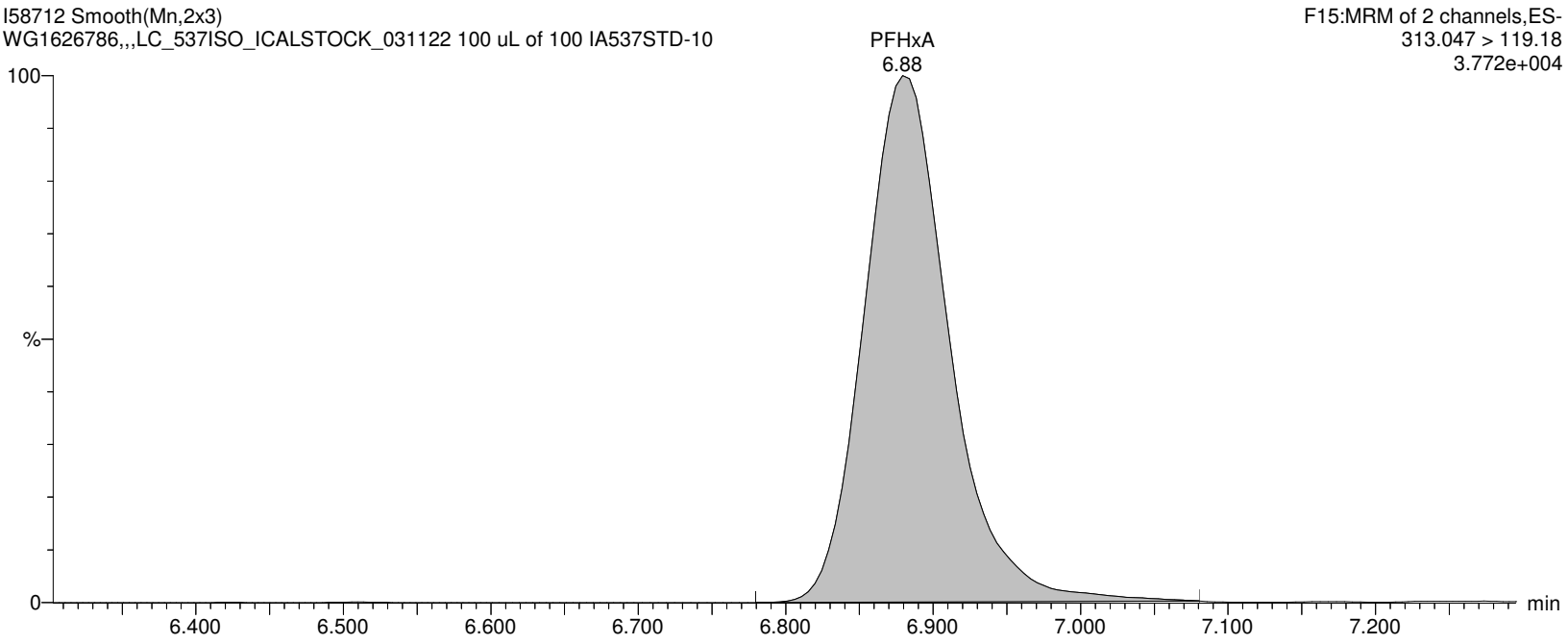
all concentration units in (ng/mL)

Alpha Analytical Inc.
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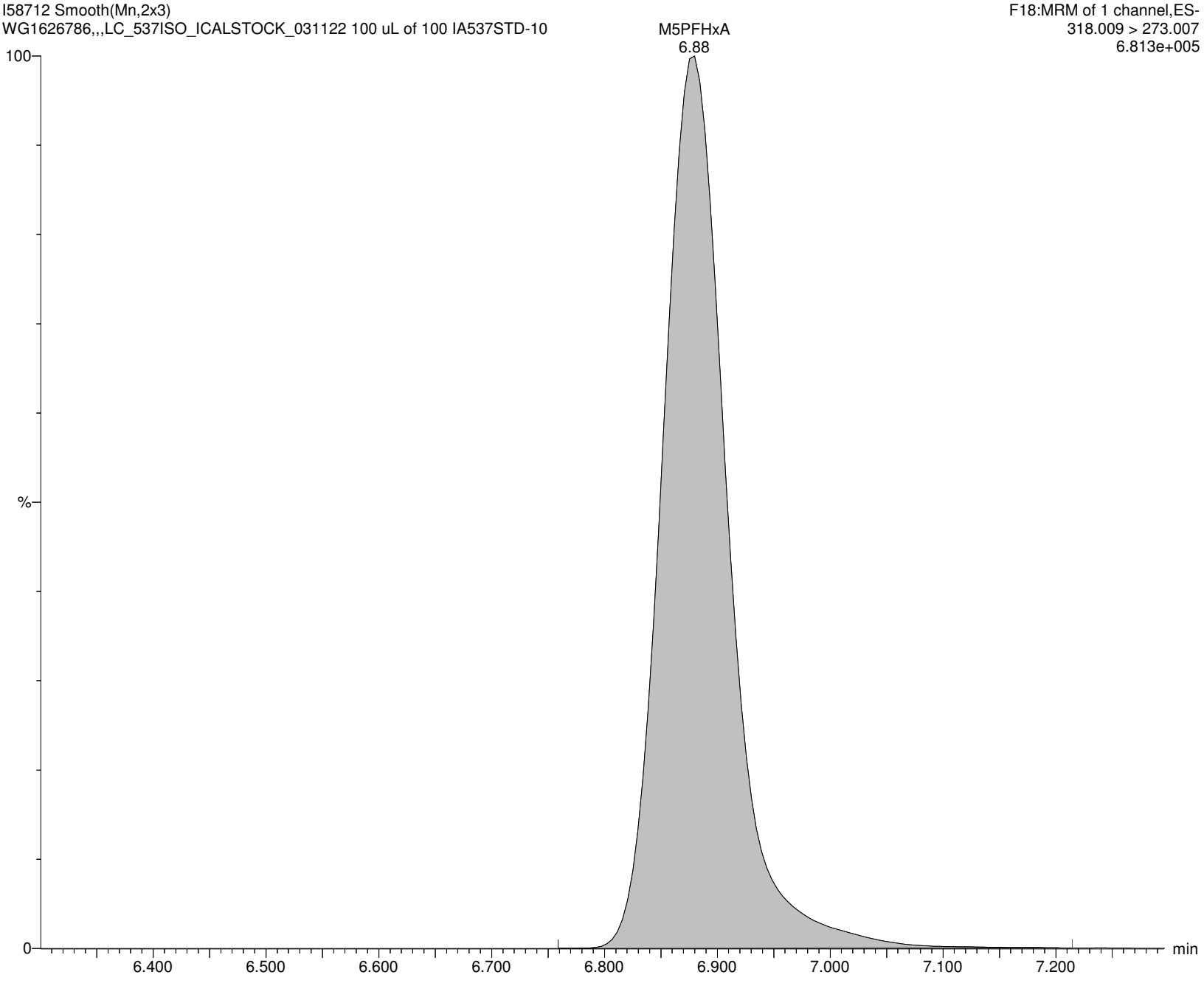


all concentration units in (ng/mL)

Alpha Analytical Inc.
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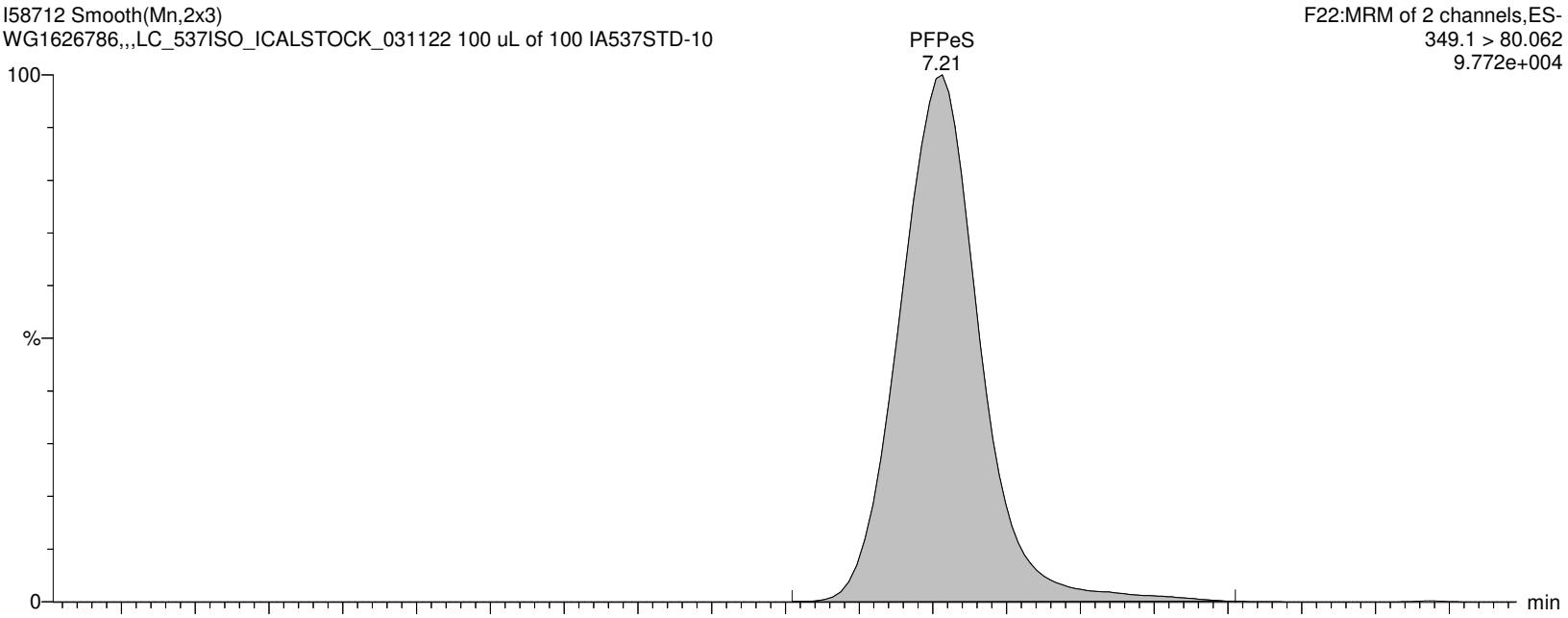


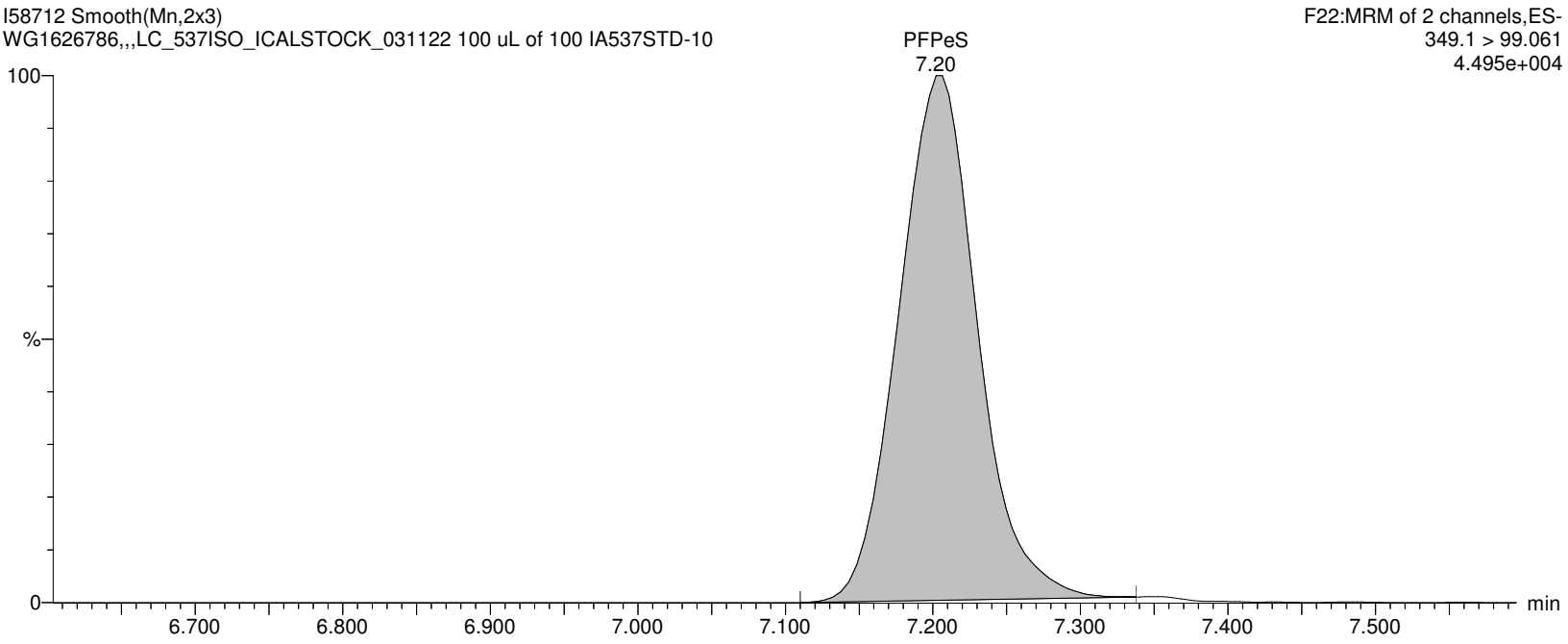
all concentration units in (ng/mL)

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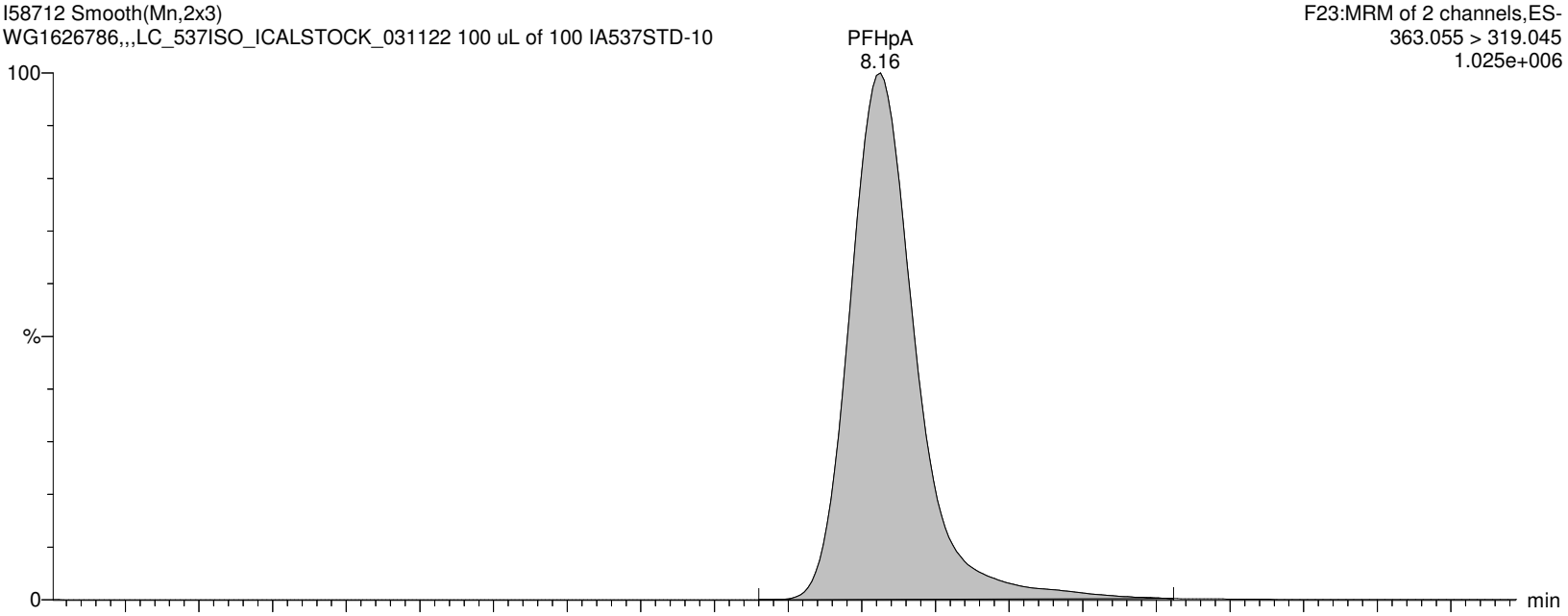


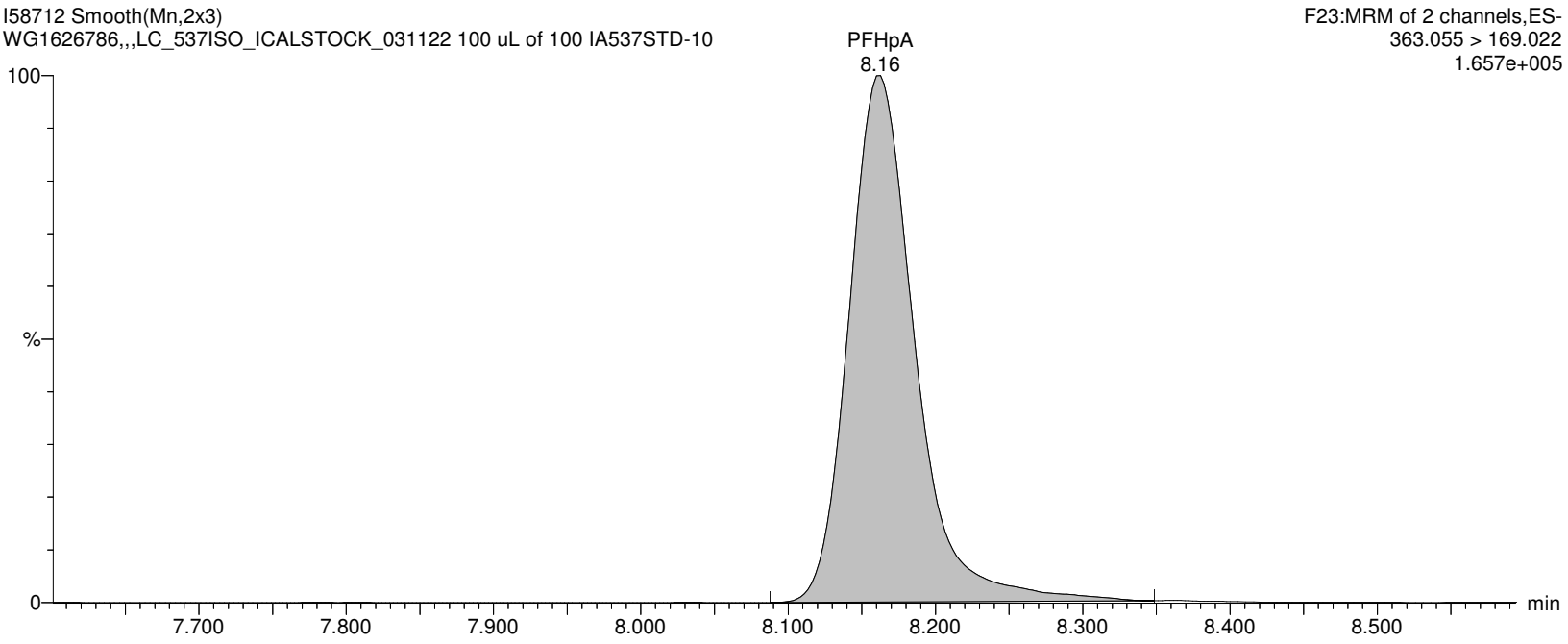


all concentration units in (ng/mL)

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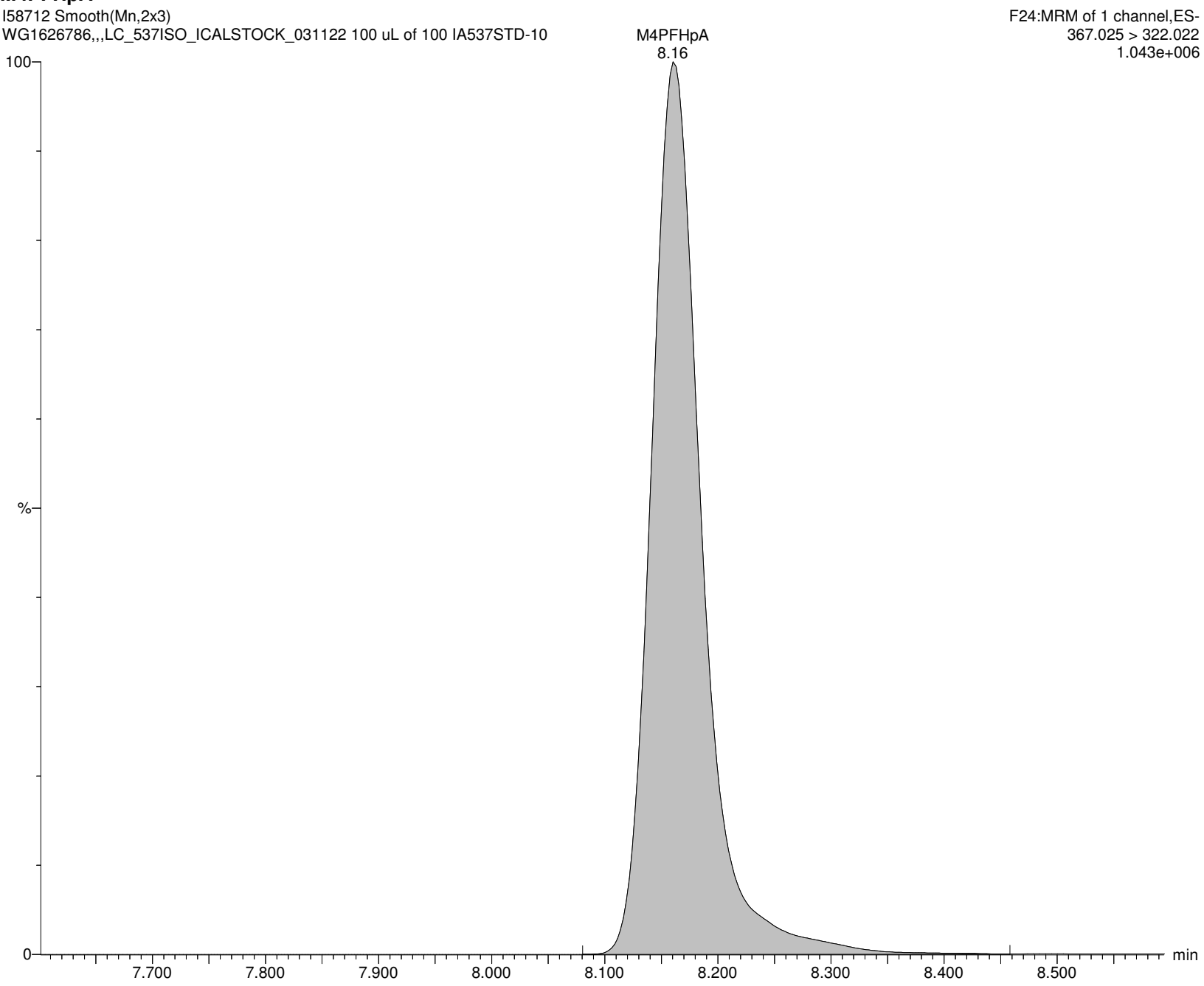




Alpha Analytical Inc.
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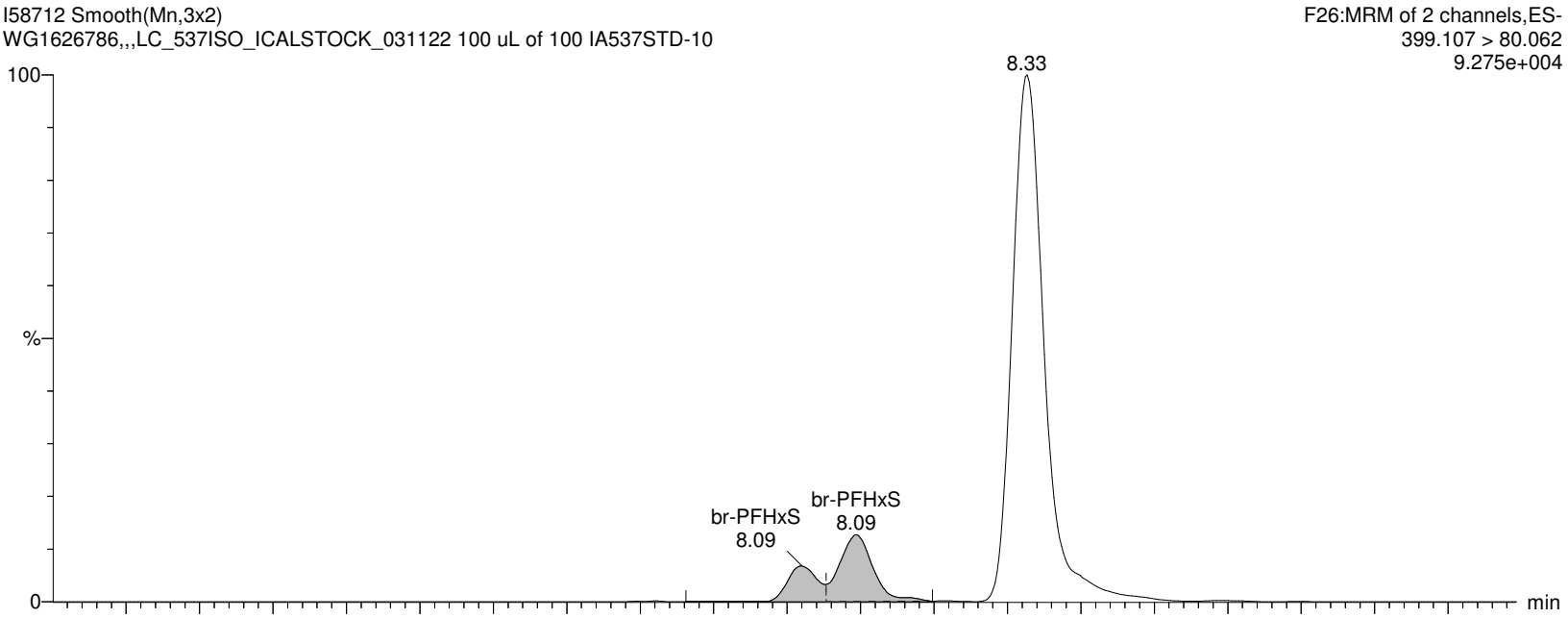


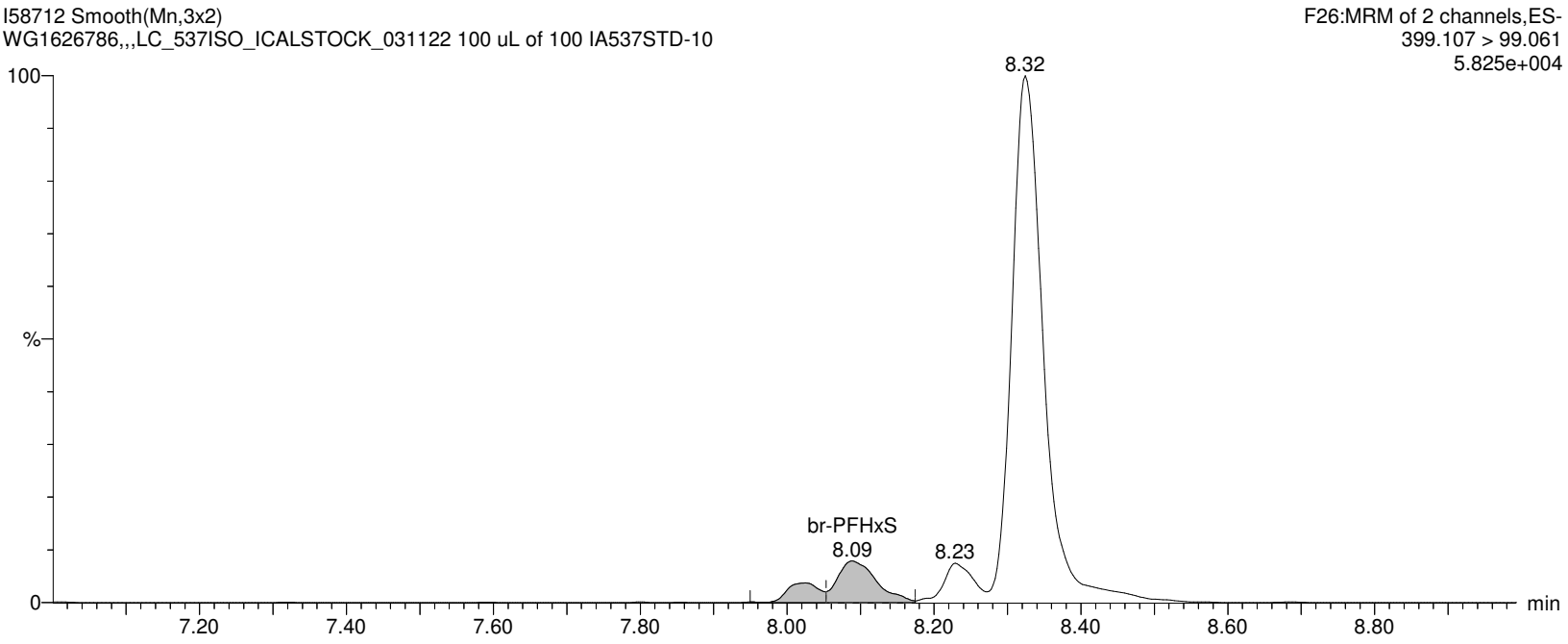
all concentration units in (ng/mL)

Alpha Analytical Inc.
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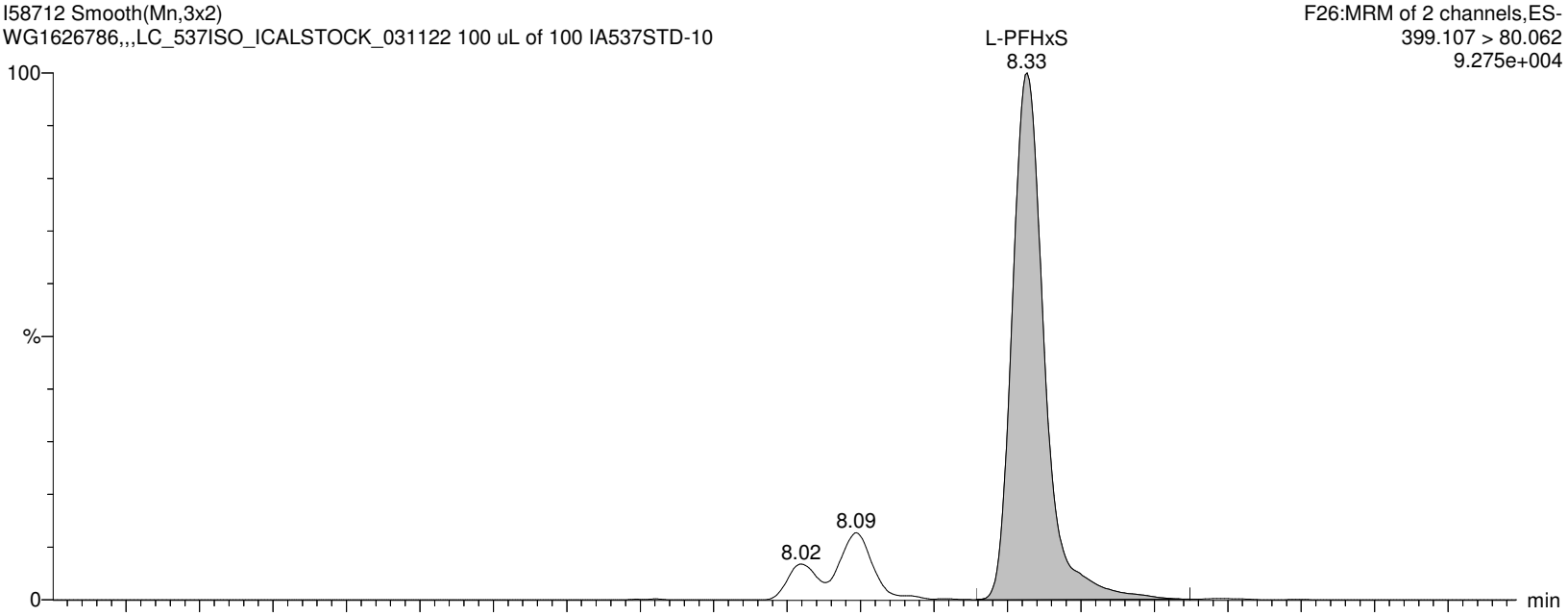


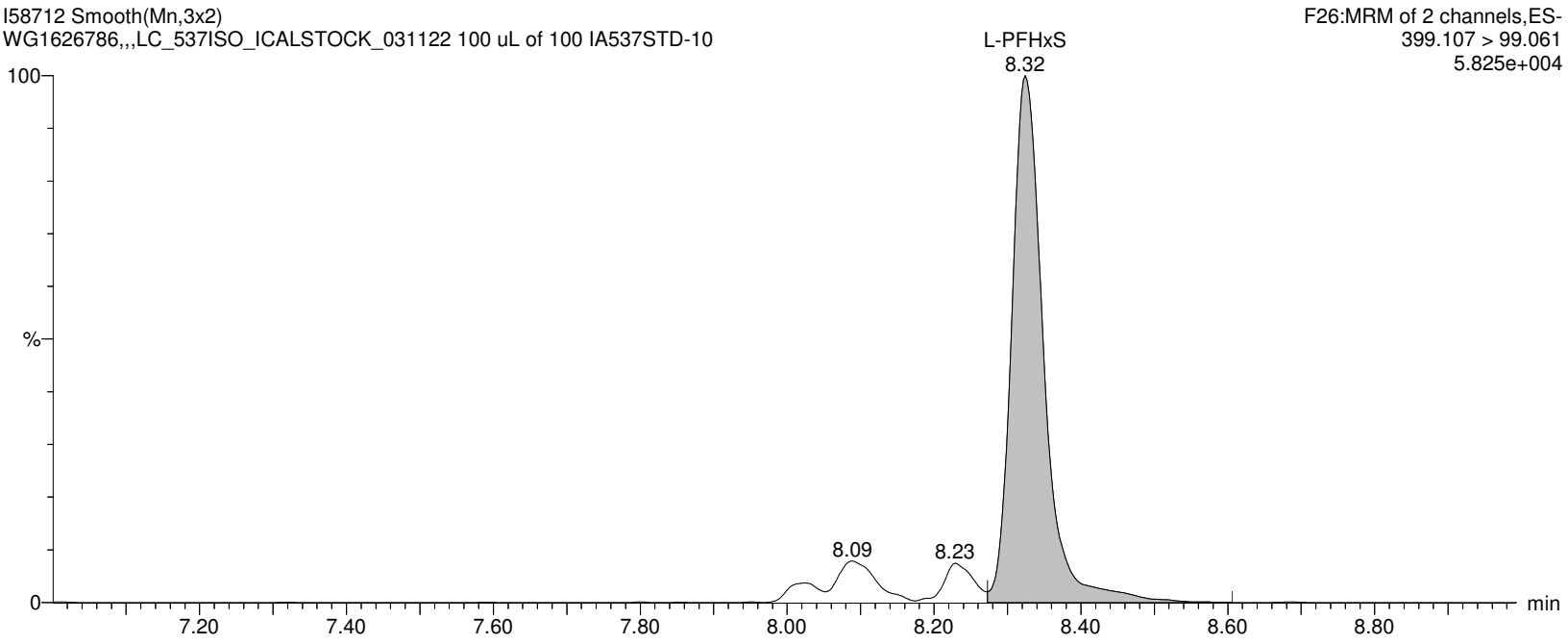
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS



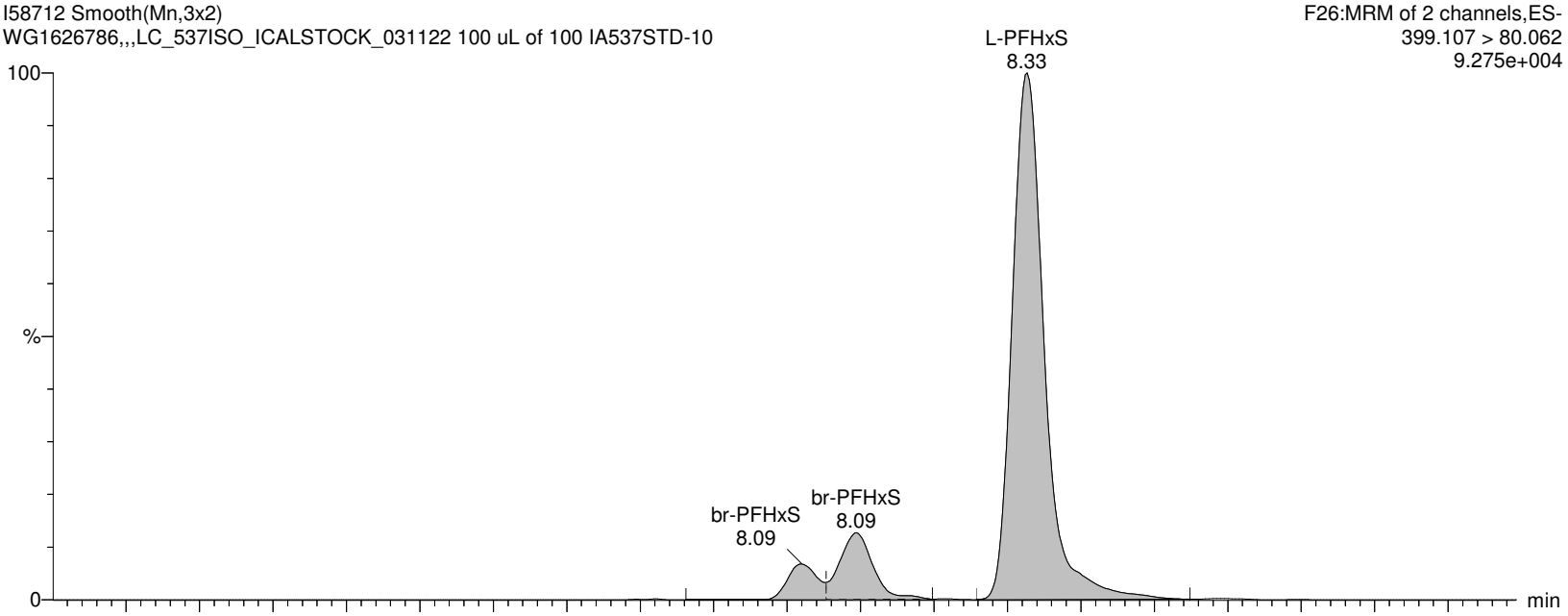


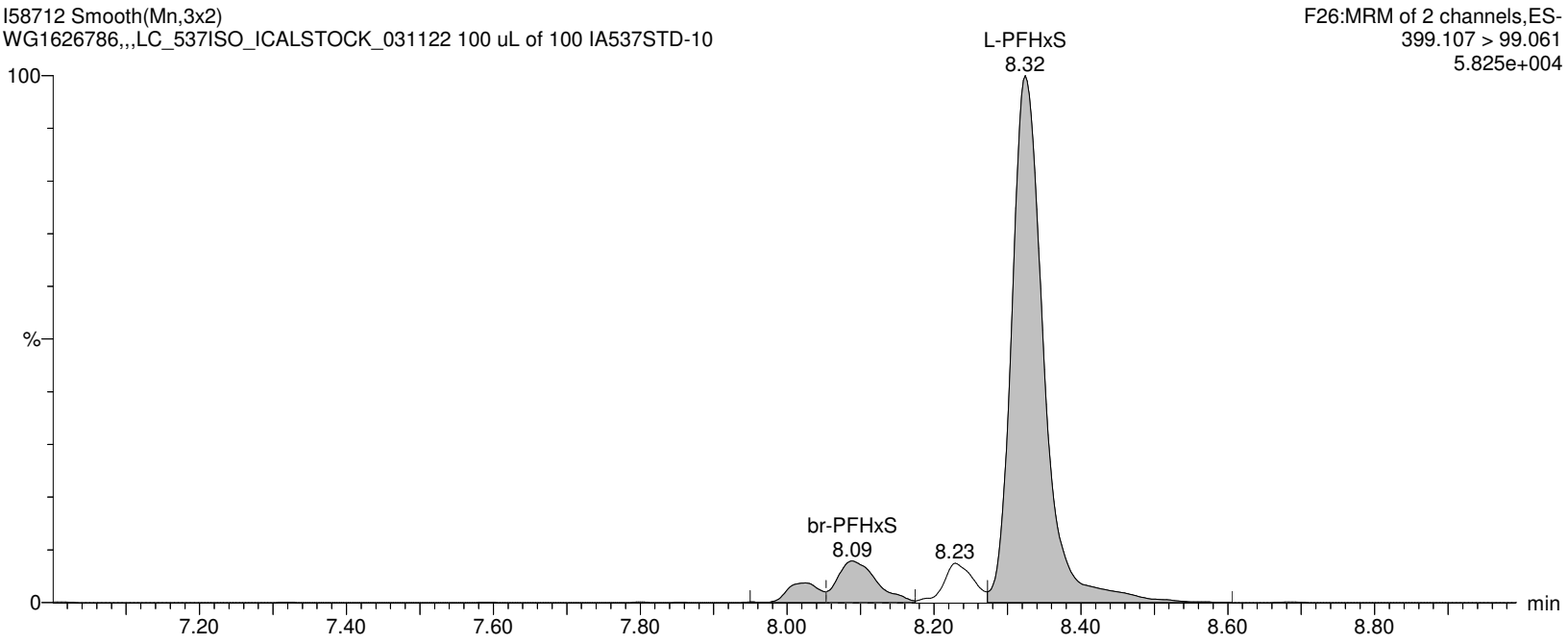
all concentration units in (ng/mL)

Alpha Analytical Inc.
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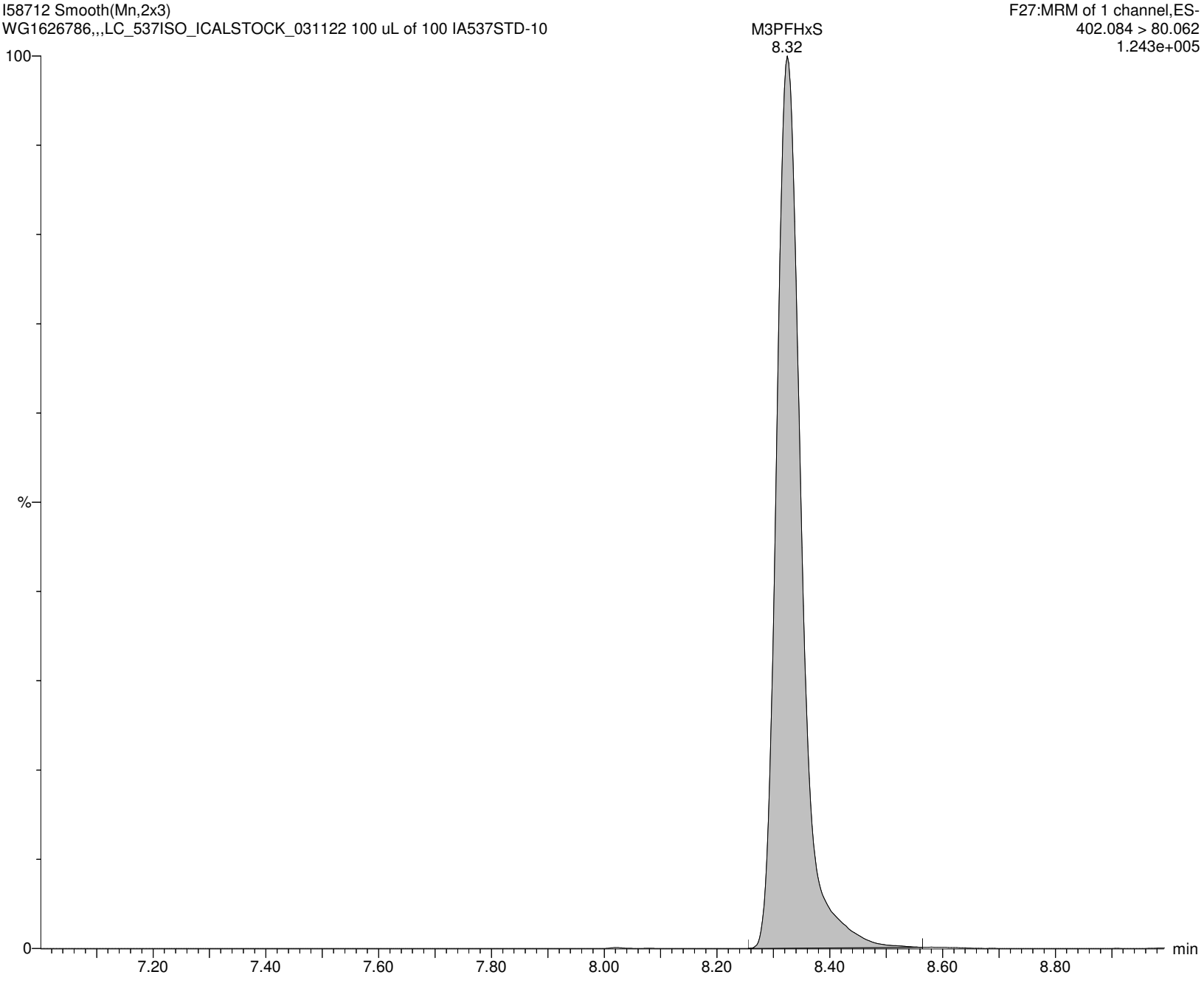


all concentration units in (ng/mL)

Alpha Analytical Inc.
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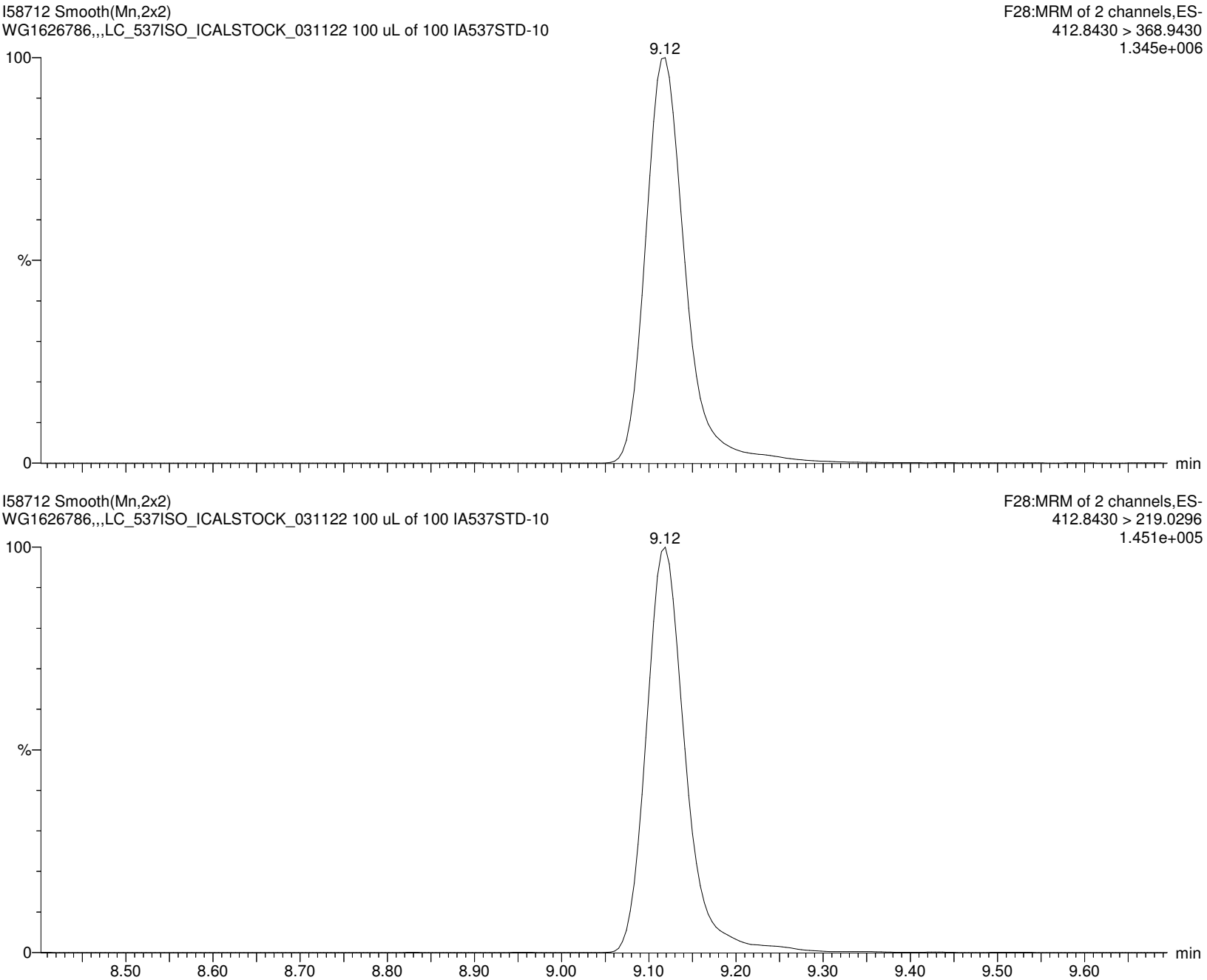


all concentration units in (ng/mL)

Alpha Analytical Inc.
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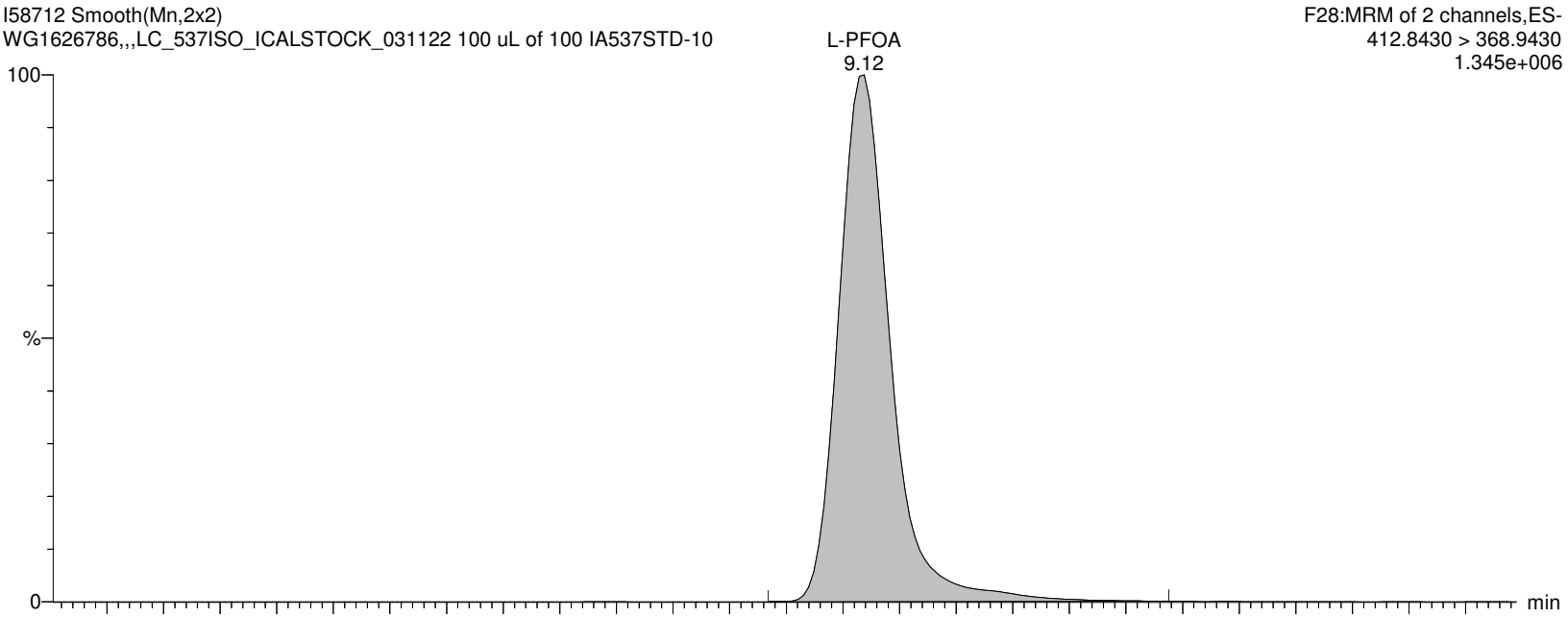


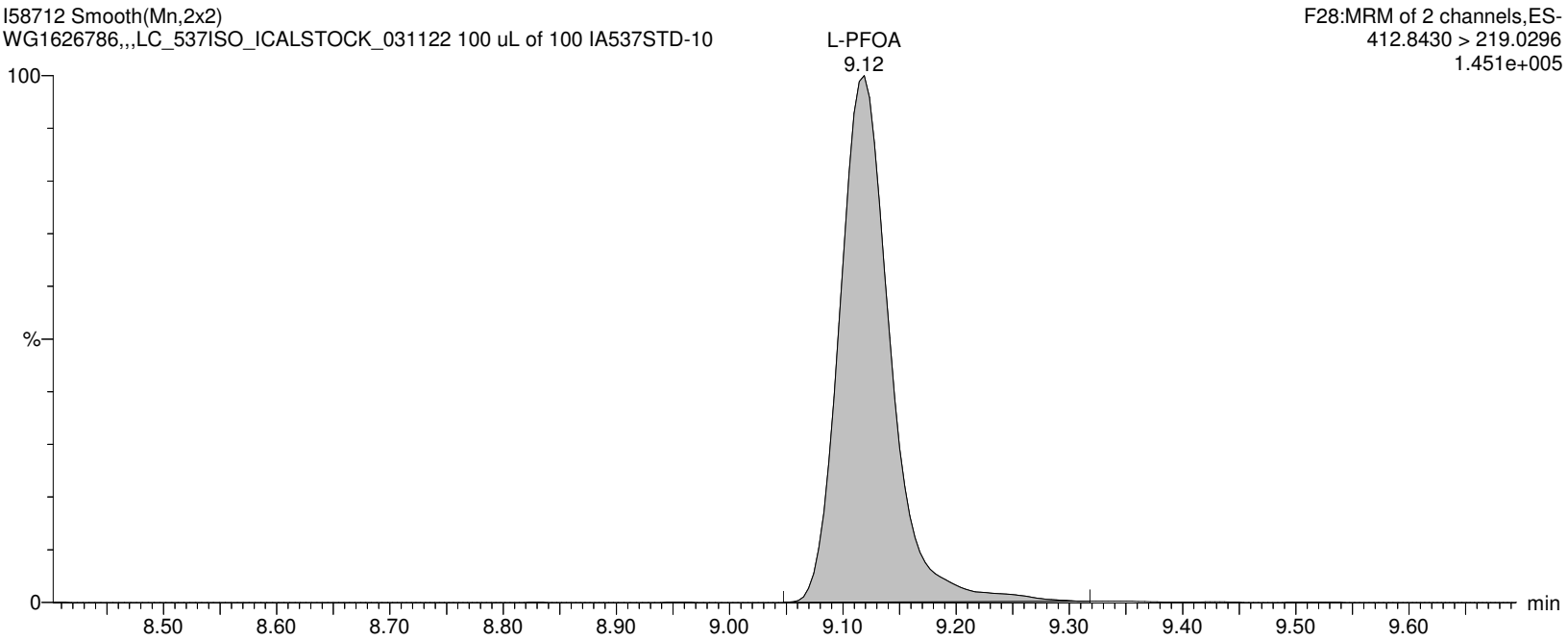
all concentration units in (ng/mL)

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L-PFOA



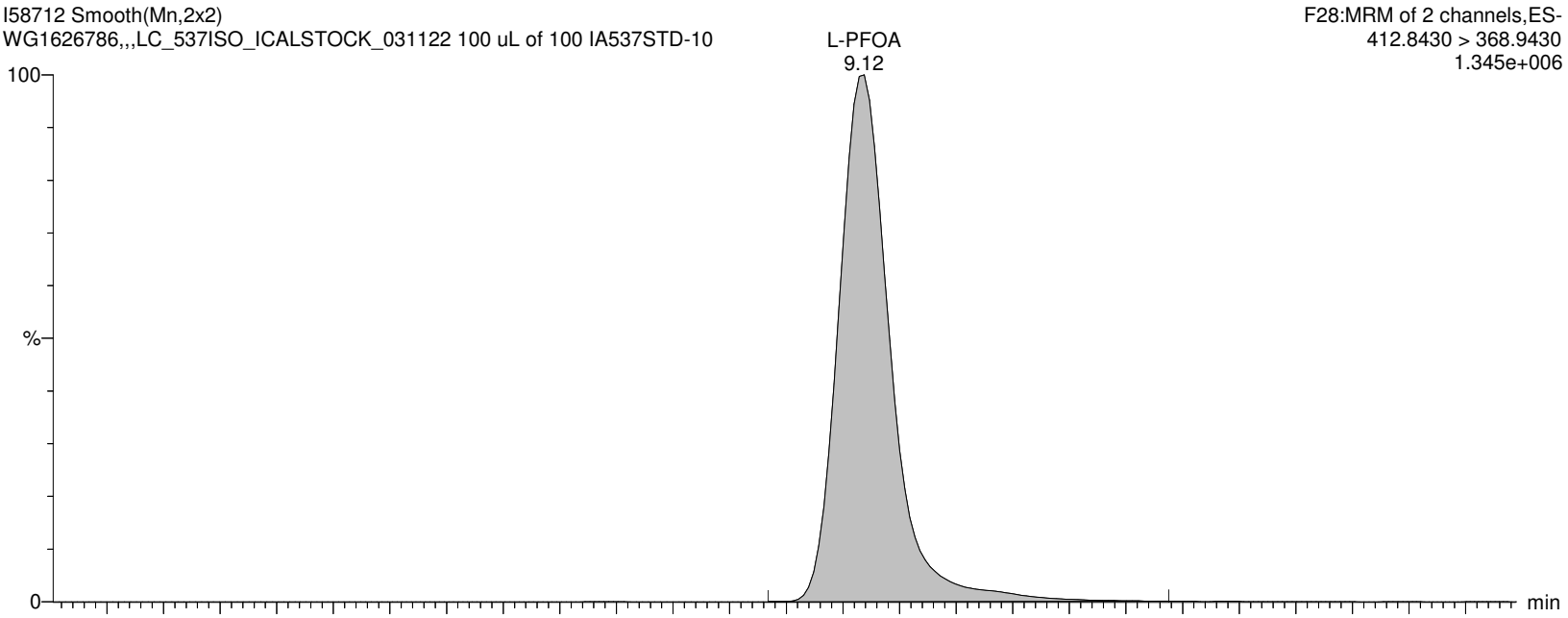


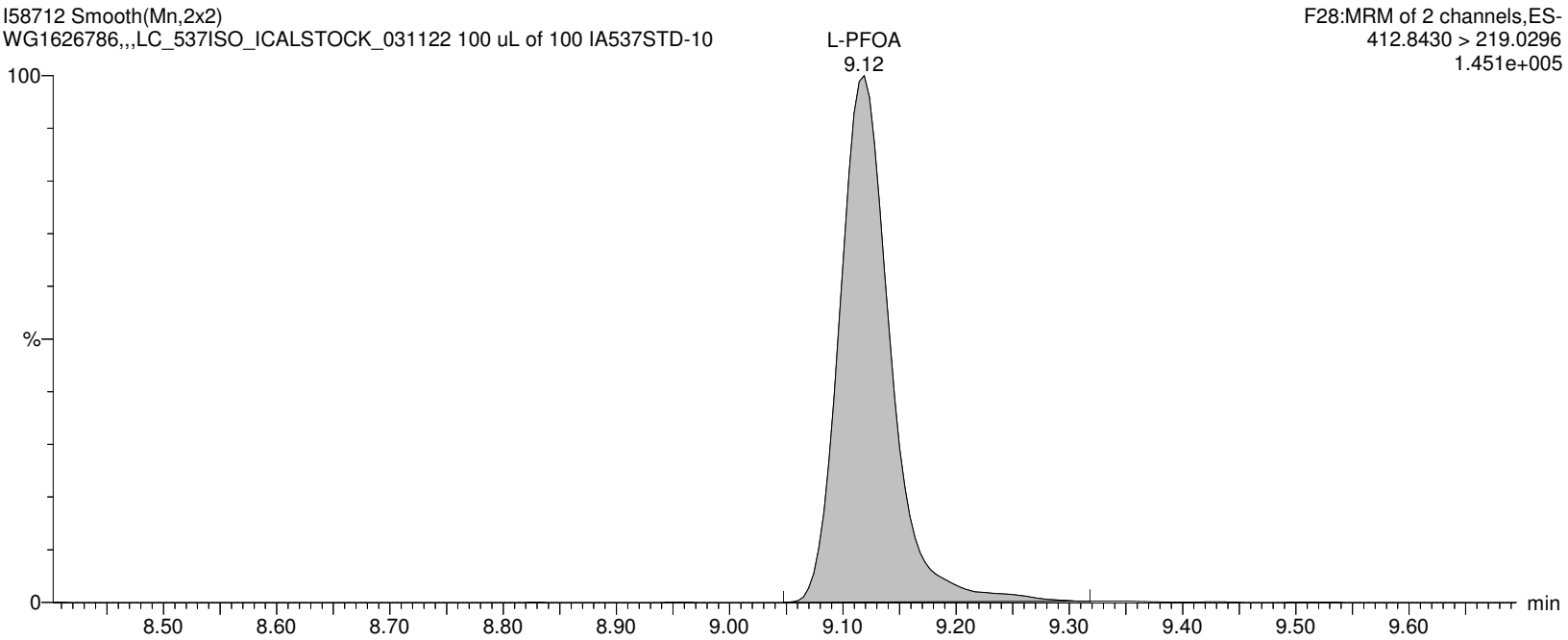
all concentration units in (ng/mL)

Alpha Analytical Inc.
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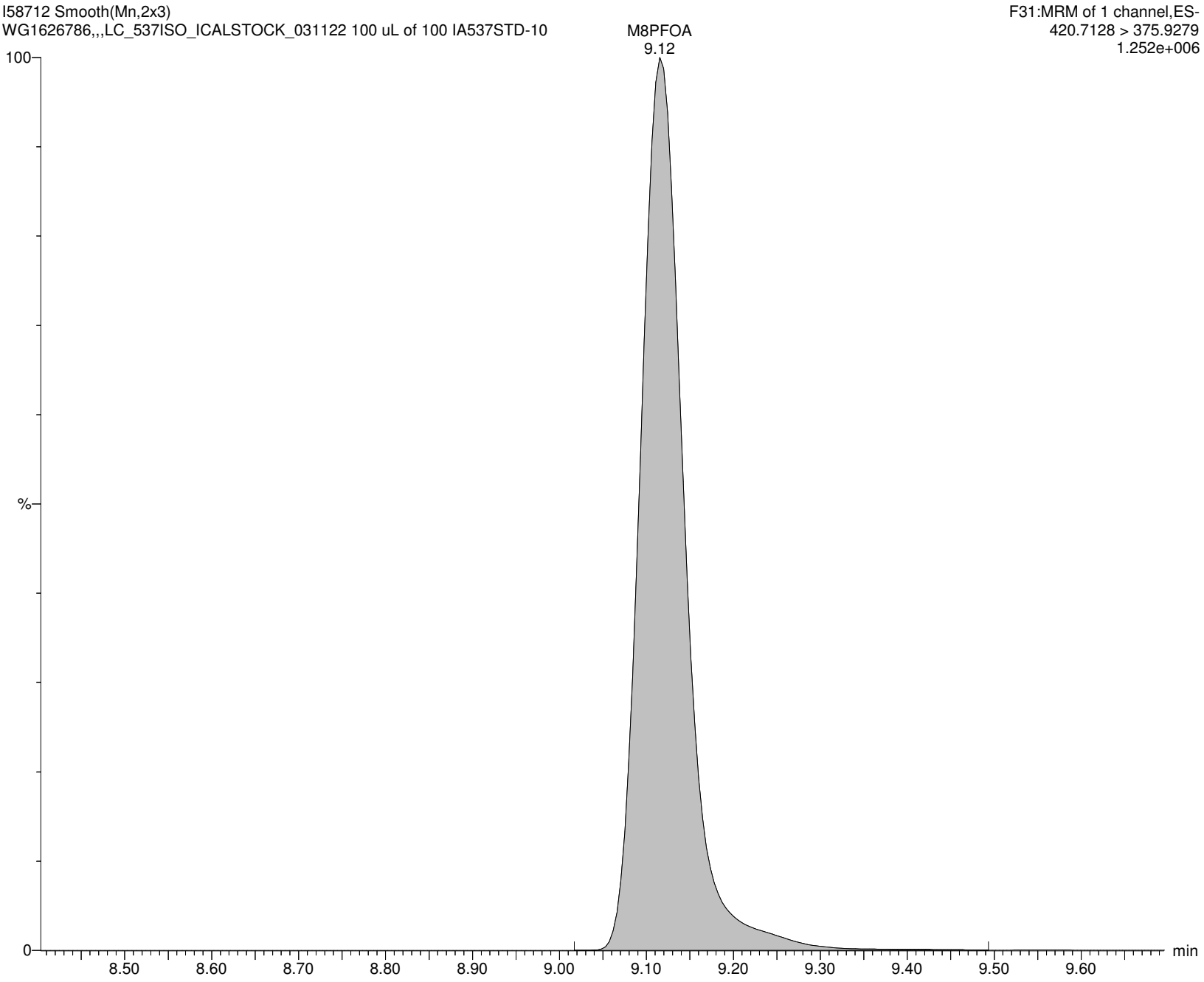


all concentration units in (ng/mL)

Alpha Analytical Inc.
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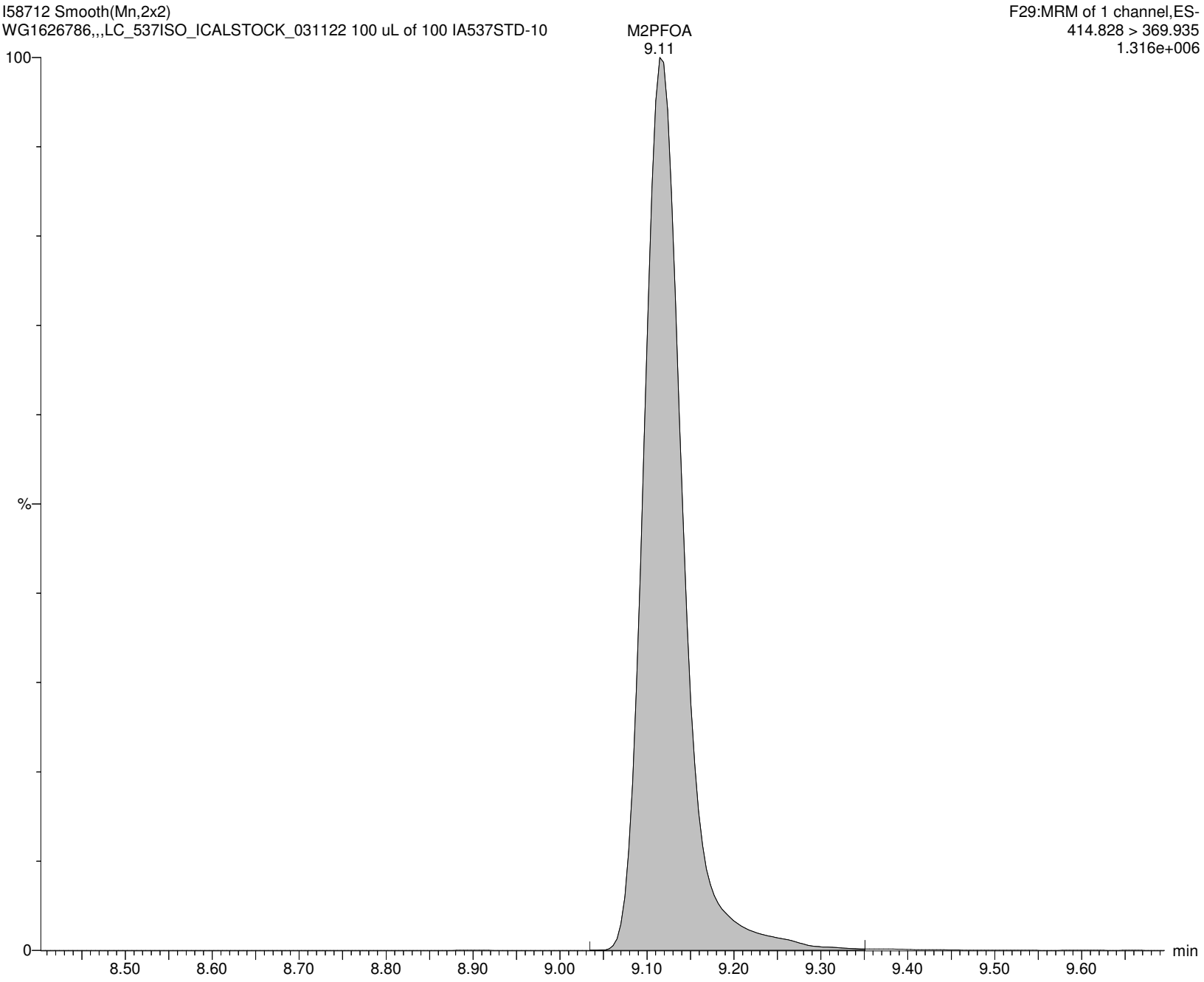


all concentration units in (ng/mL)

Alpha Analytical Inc.
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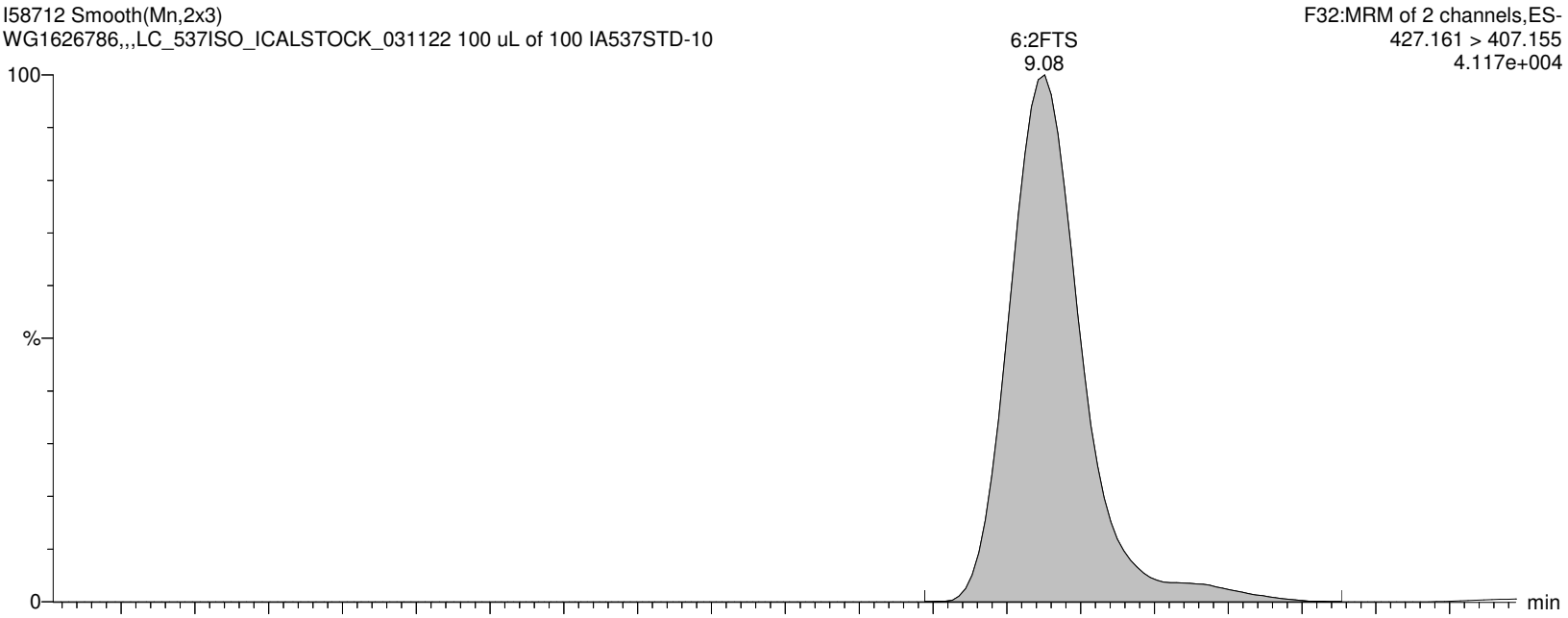


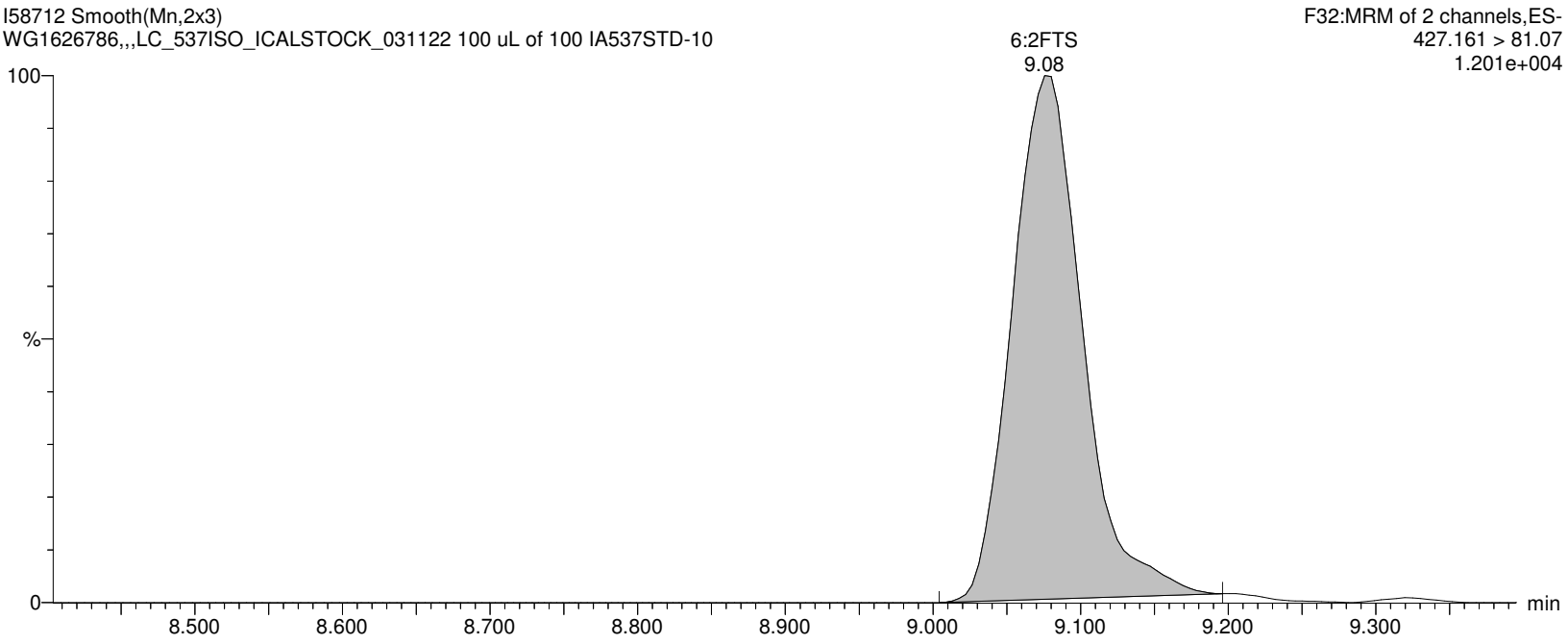
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:20 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:22:56
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User: LCMS02:MP
Vial: 1:A,6
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6:2FTS



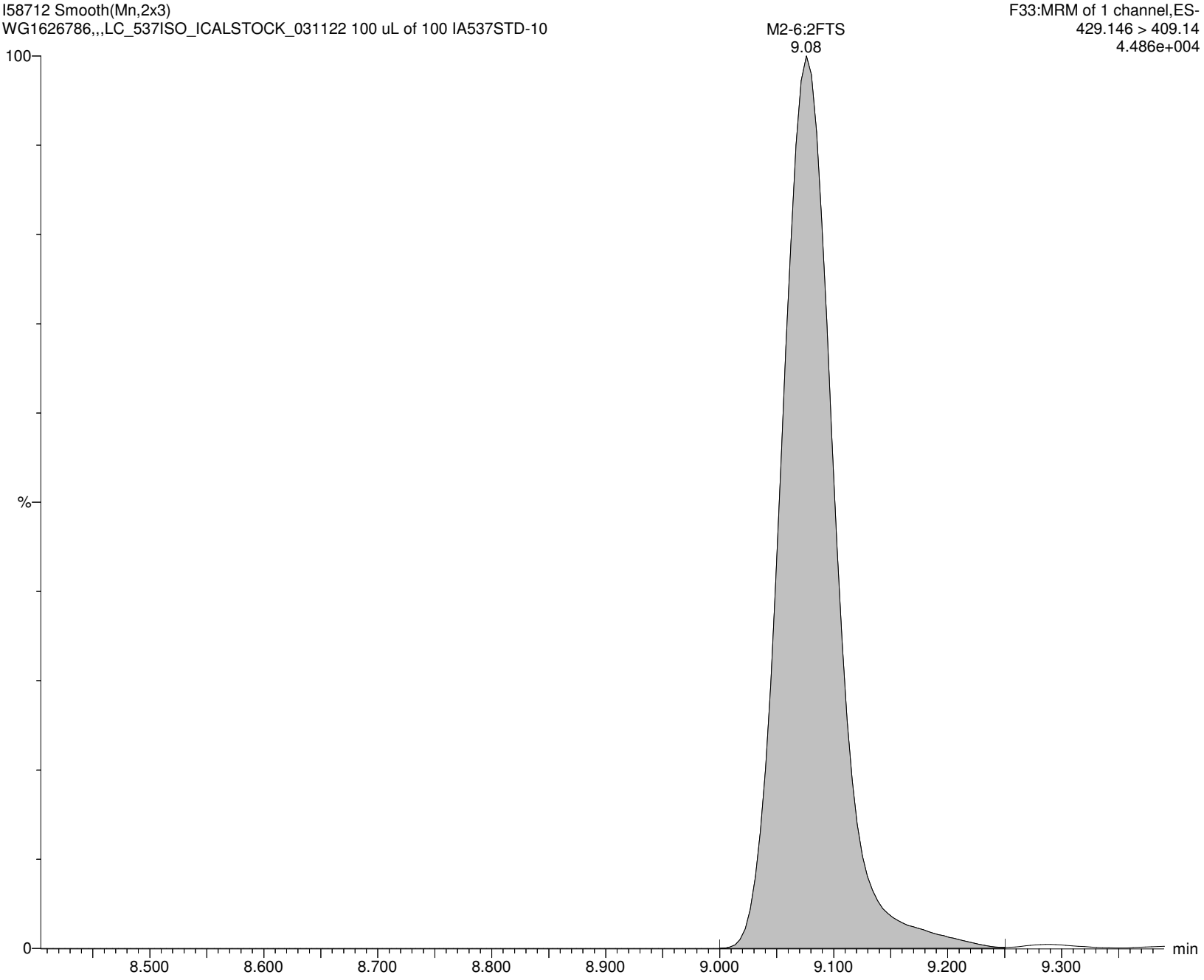


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2-6:2FTS

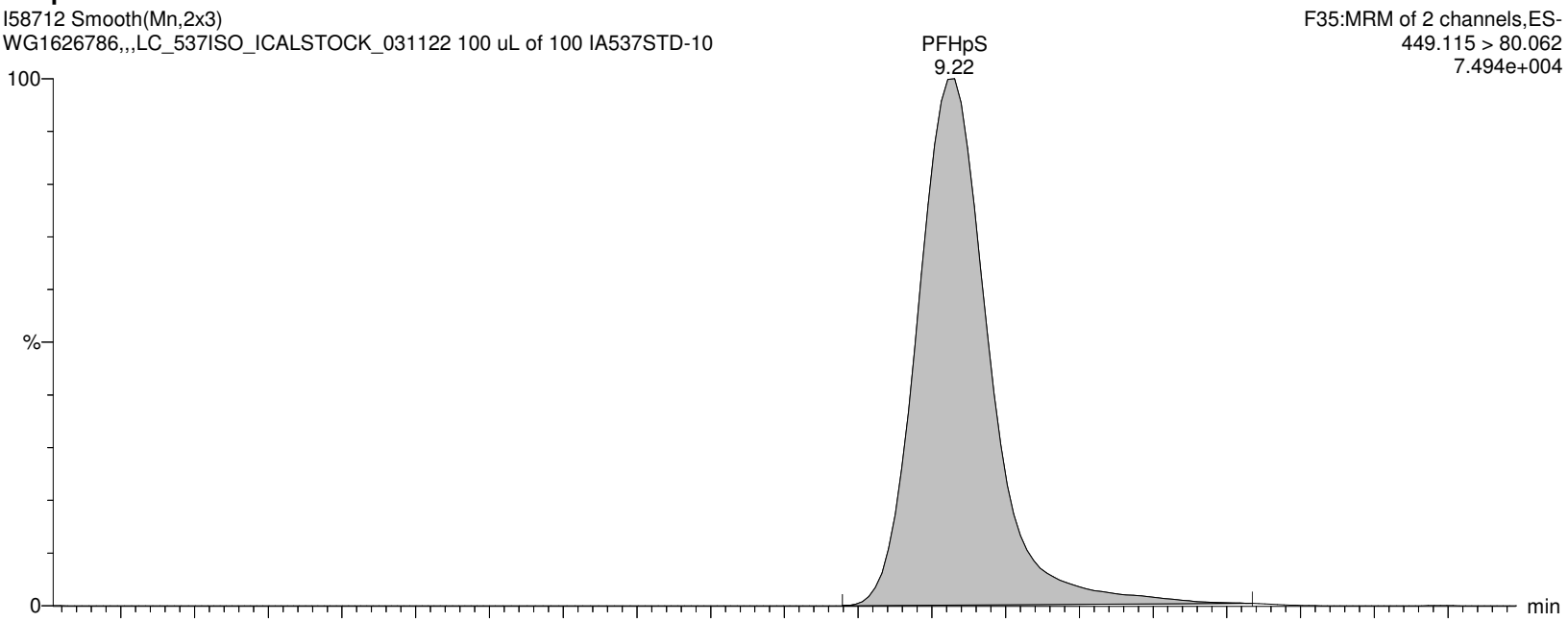


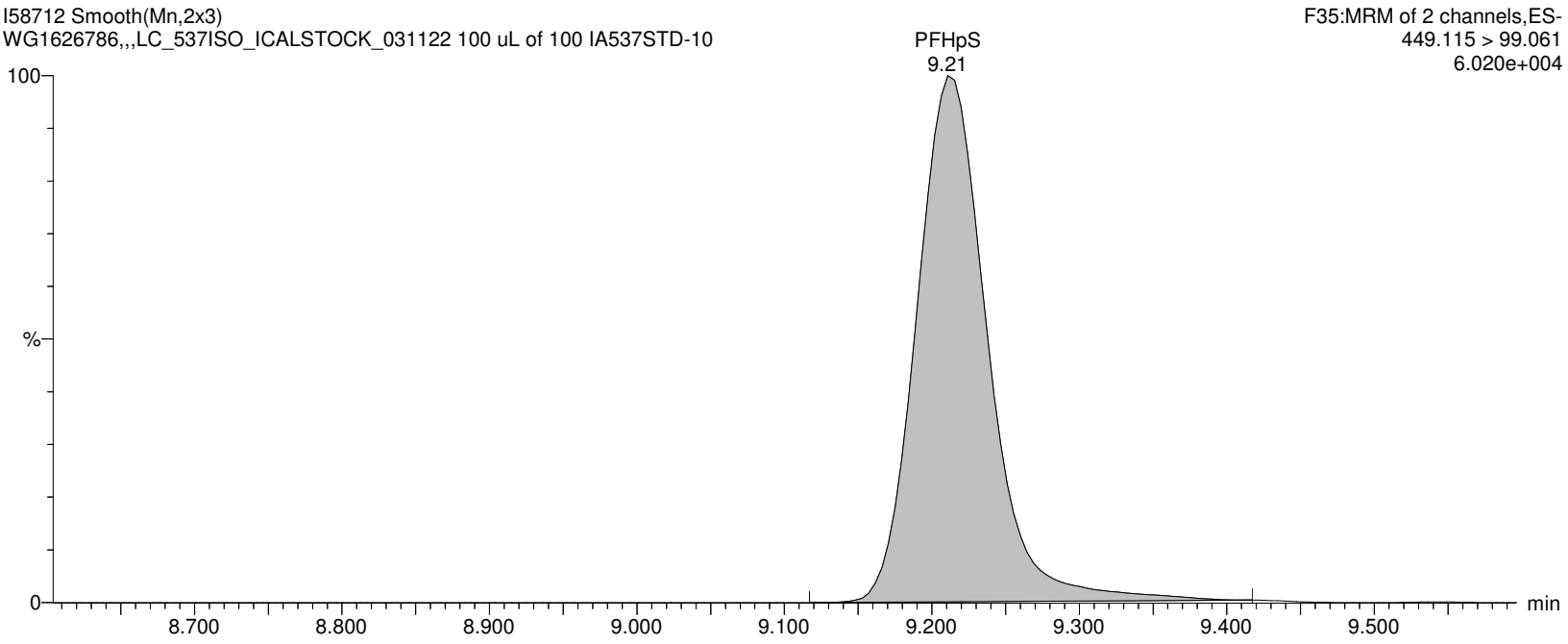
all concentration units in (ng/mL)

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PFHpS



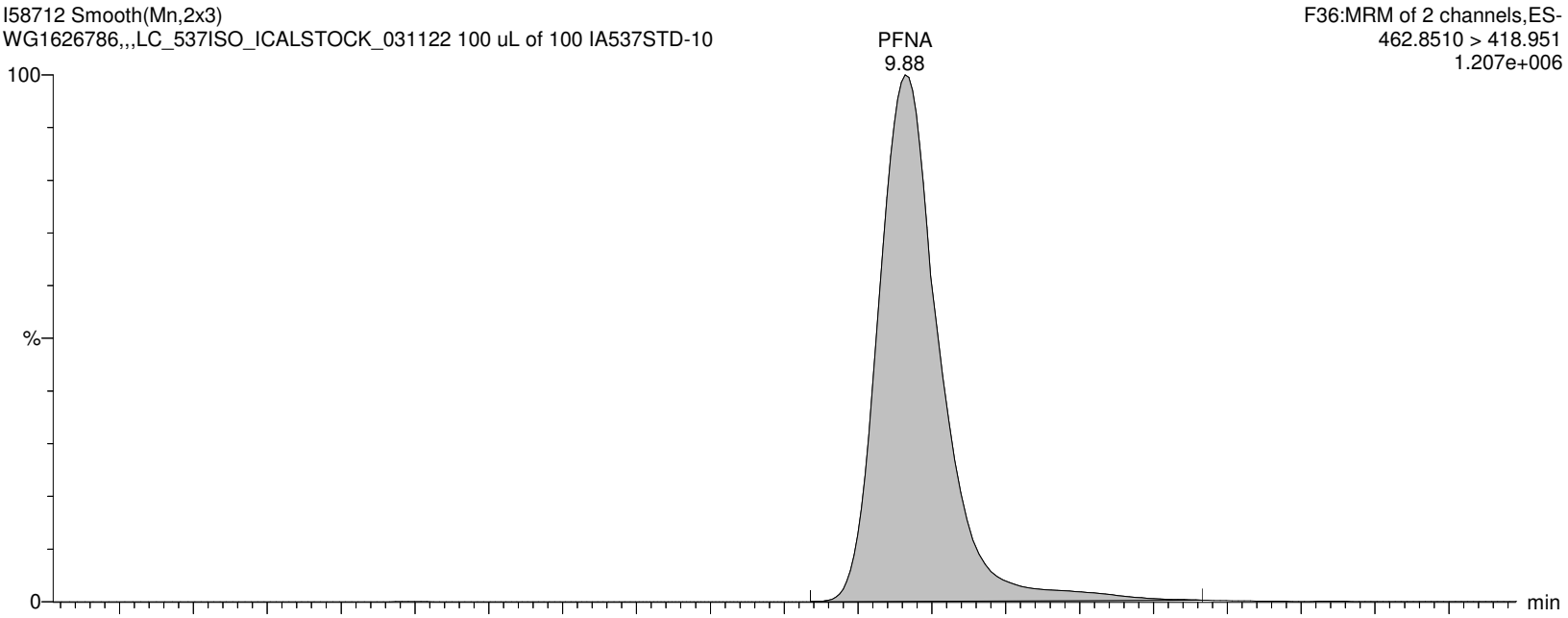


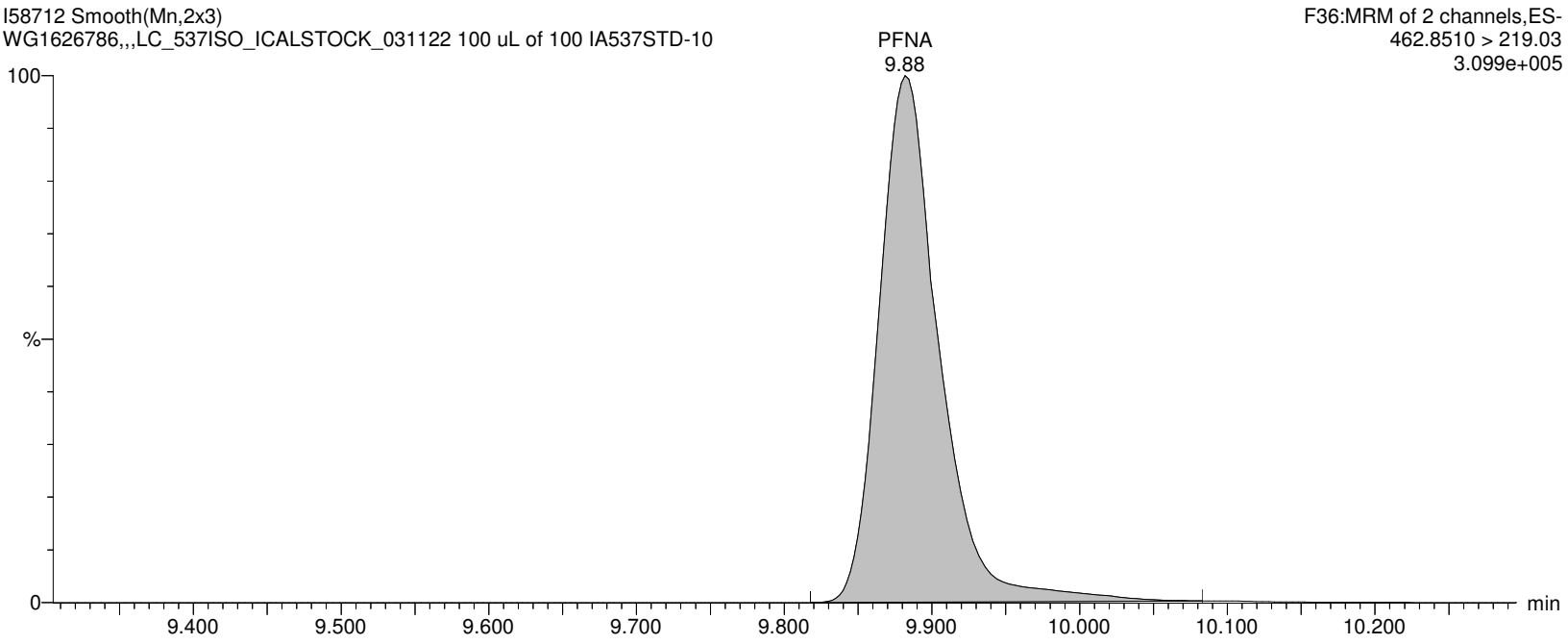
all concentration units in (ng/mL)

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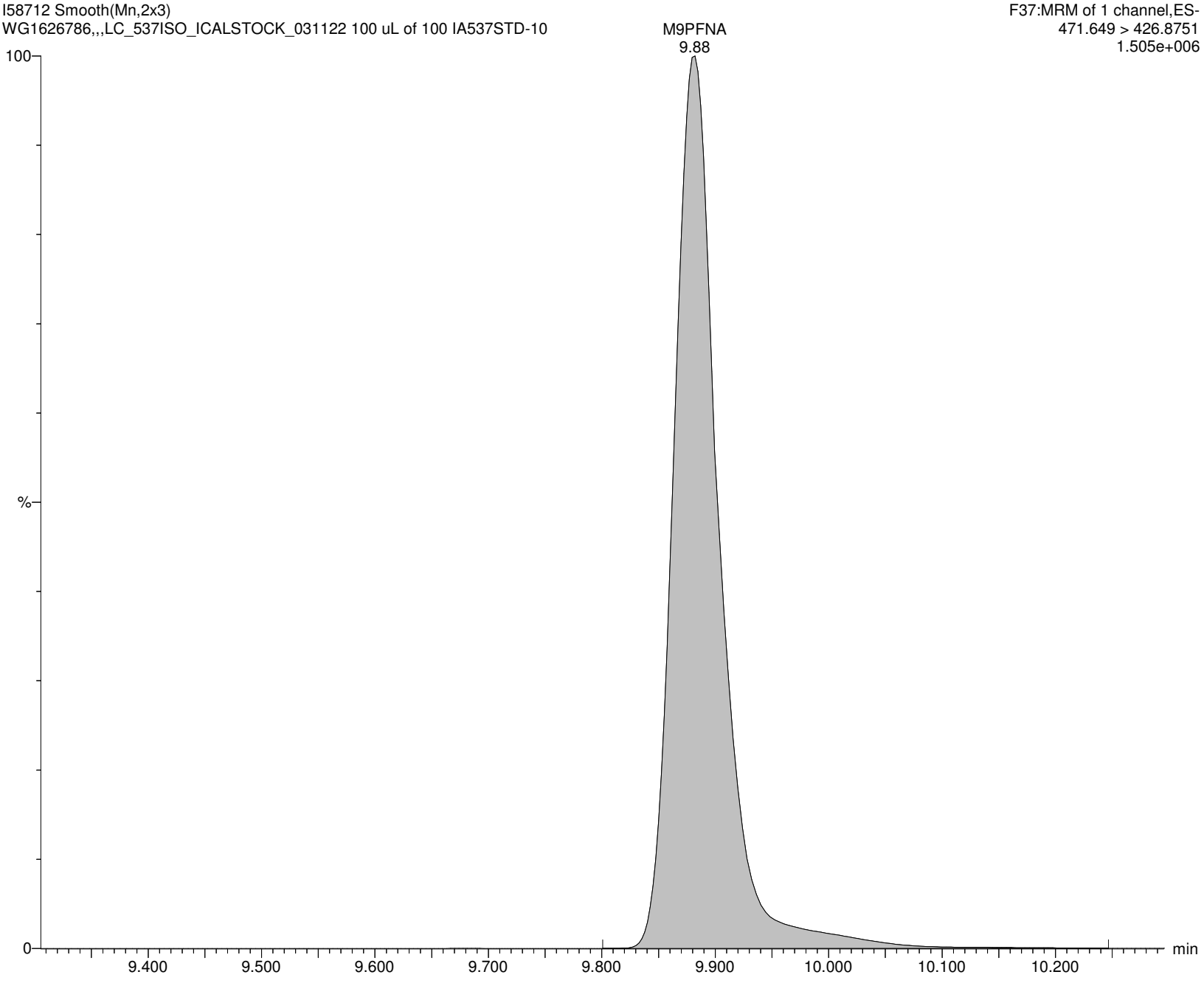


all concentration units in (ng/mL)

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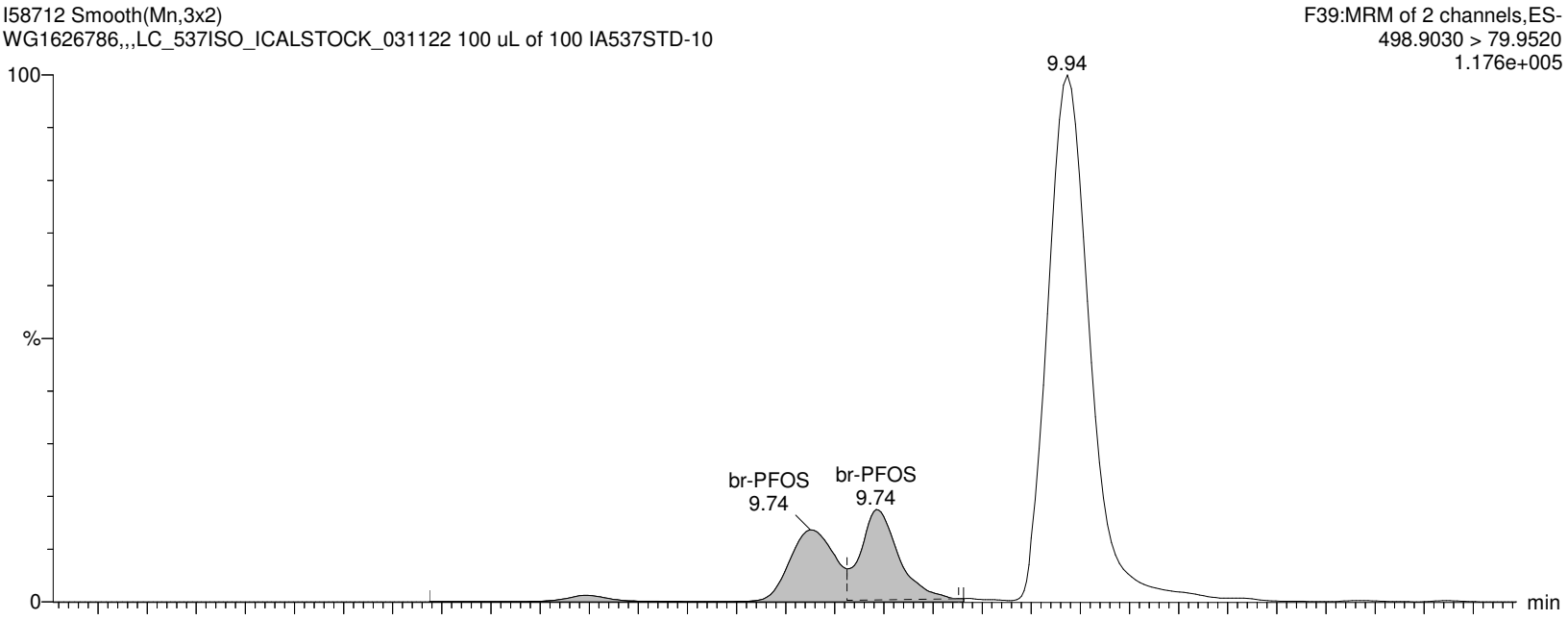


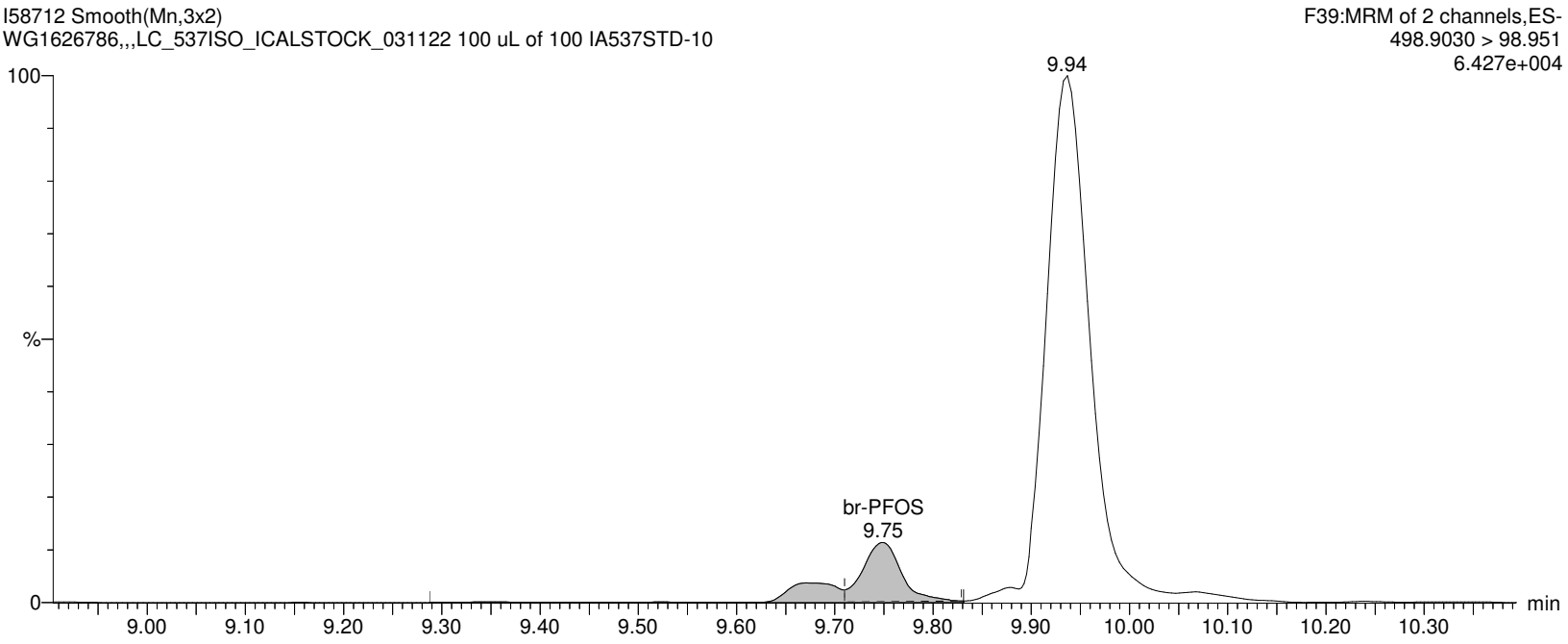
all concentration units in (ng/mL)

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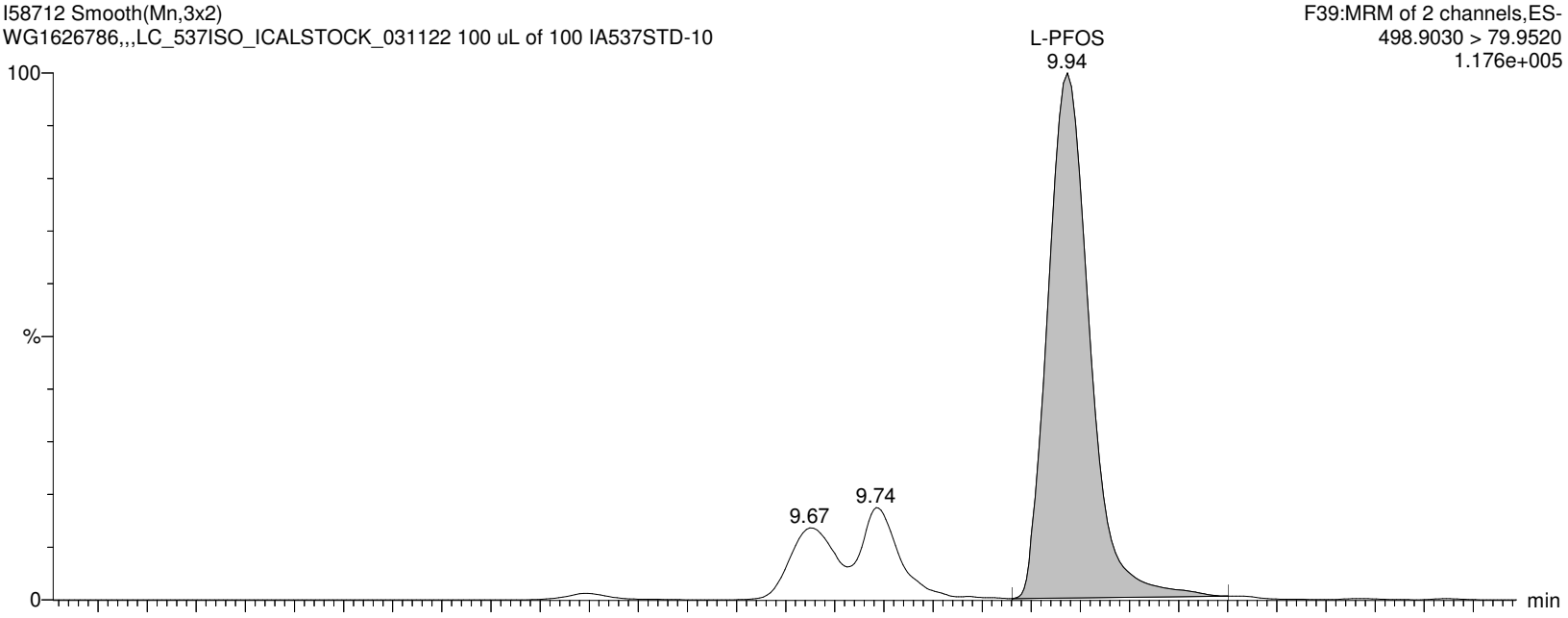


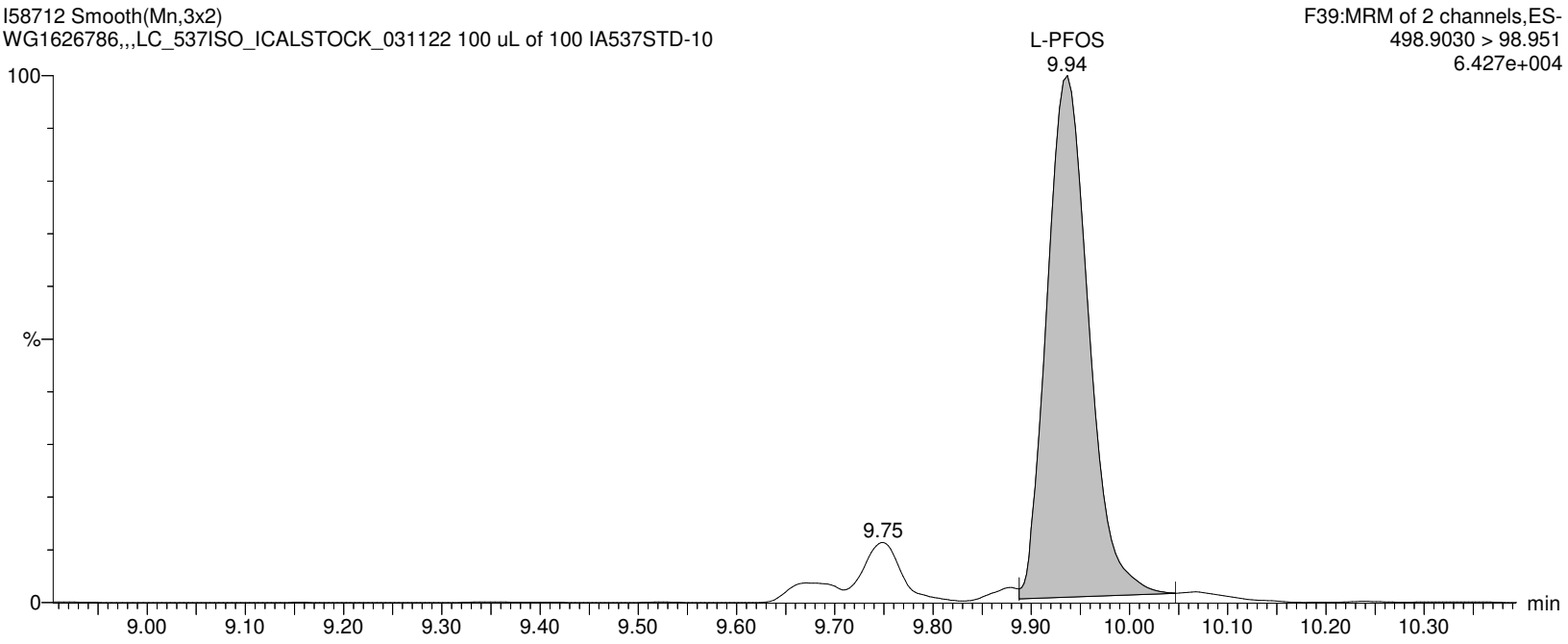
all concentration units in (ng/mL)

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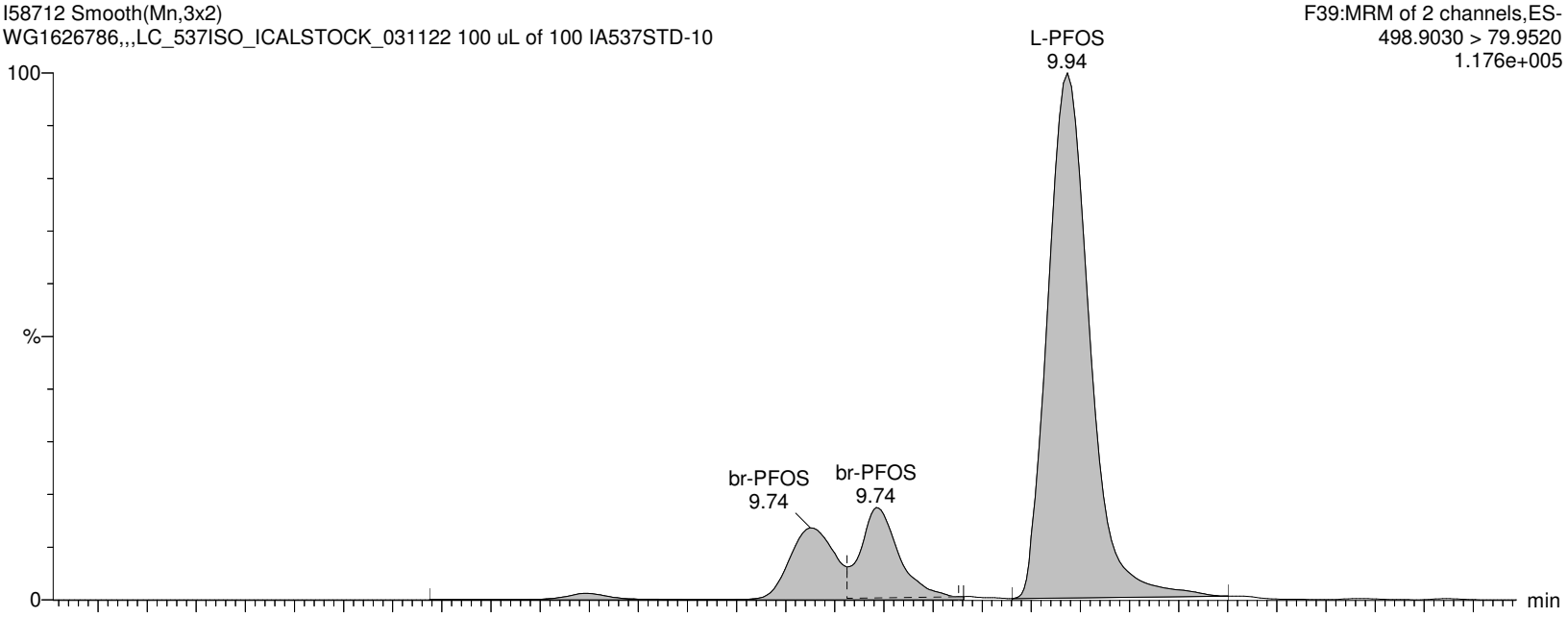


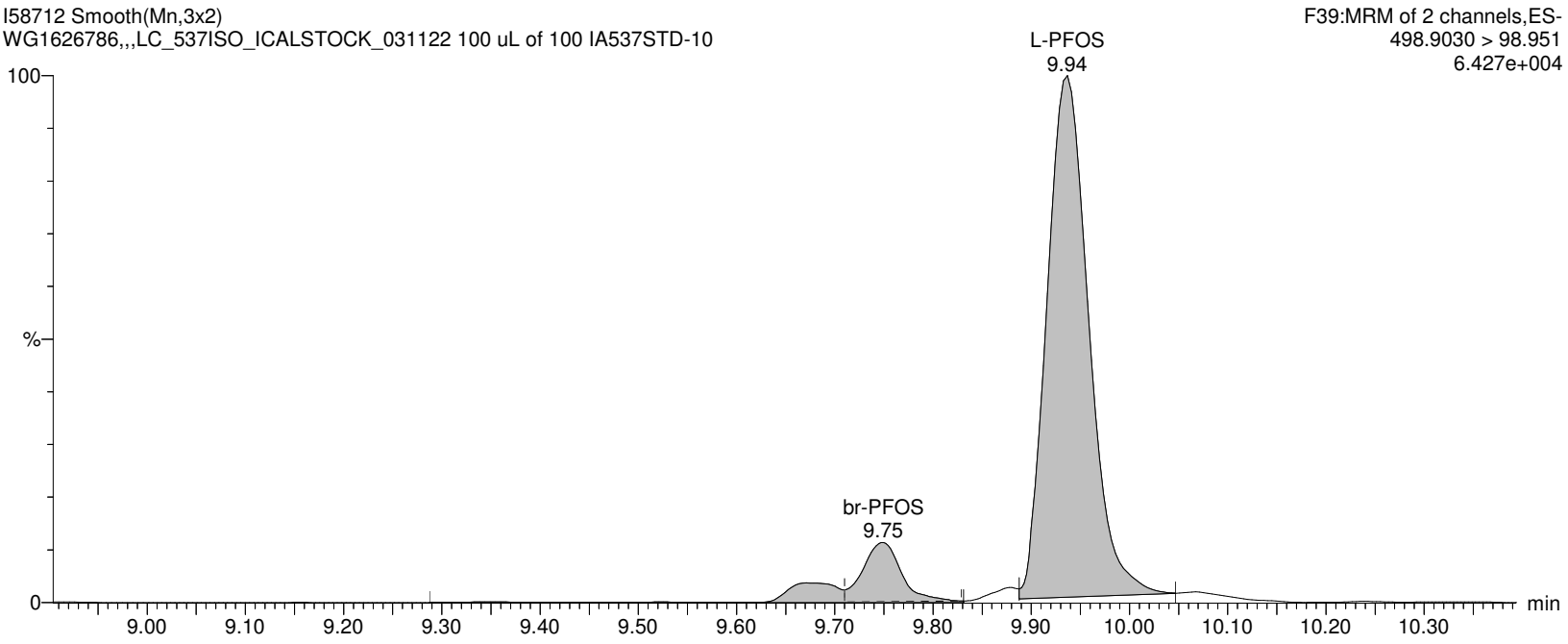
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



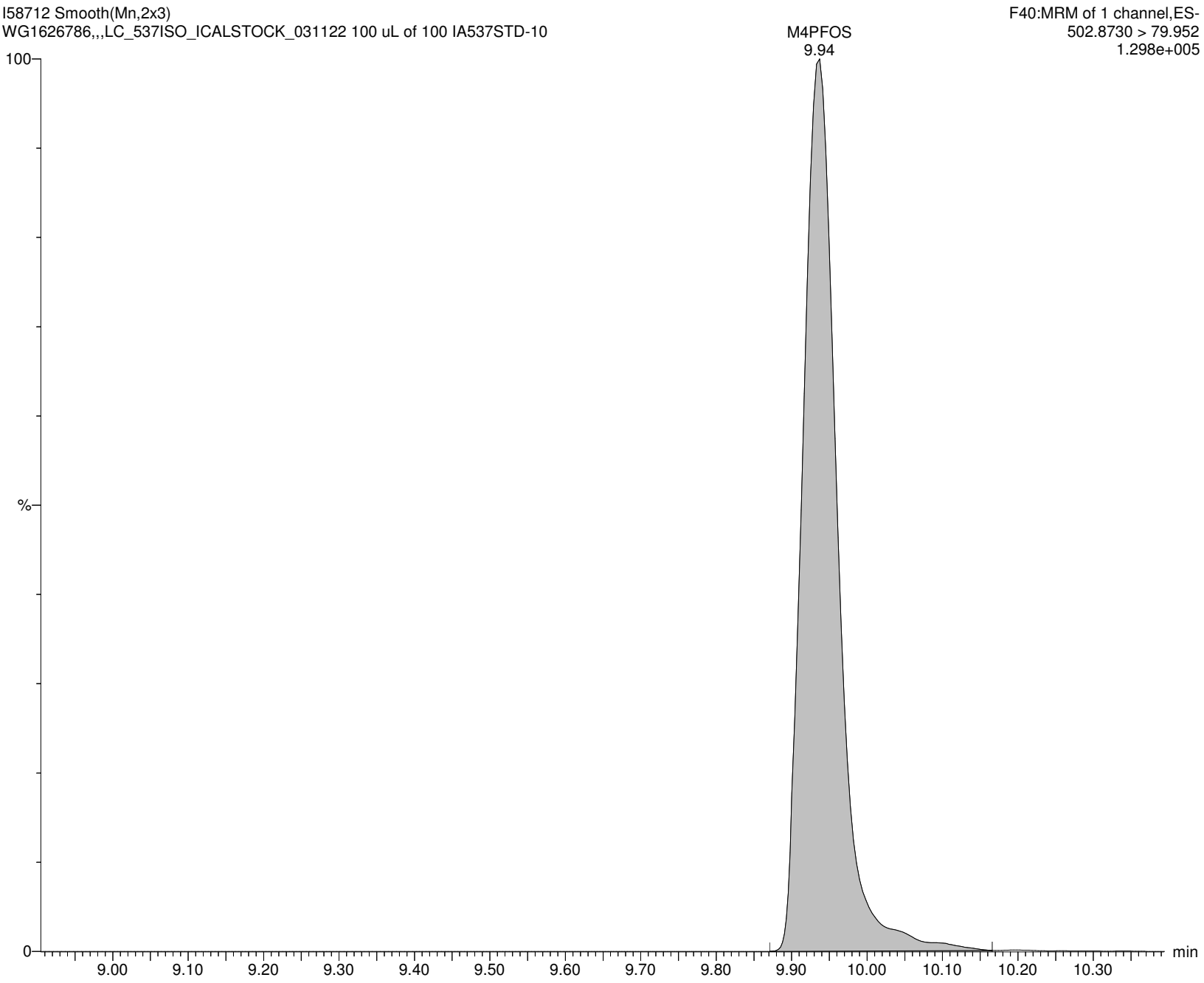


all concentration units in (ng/mL)

Alpha Analytical Inc.
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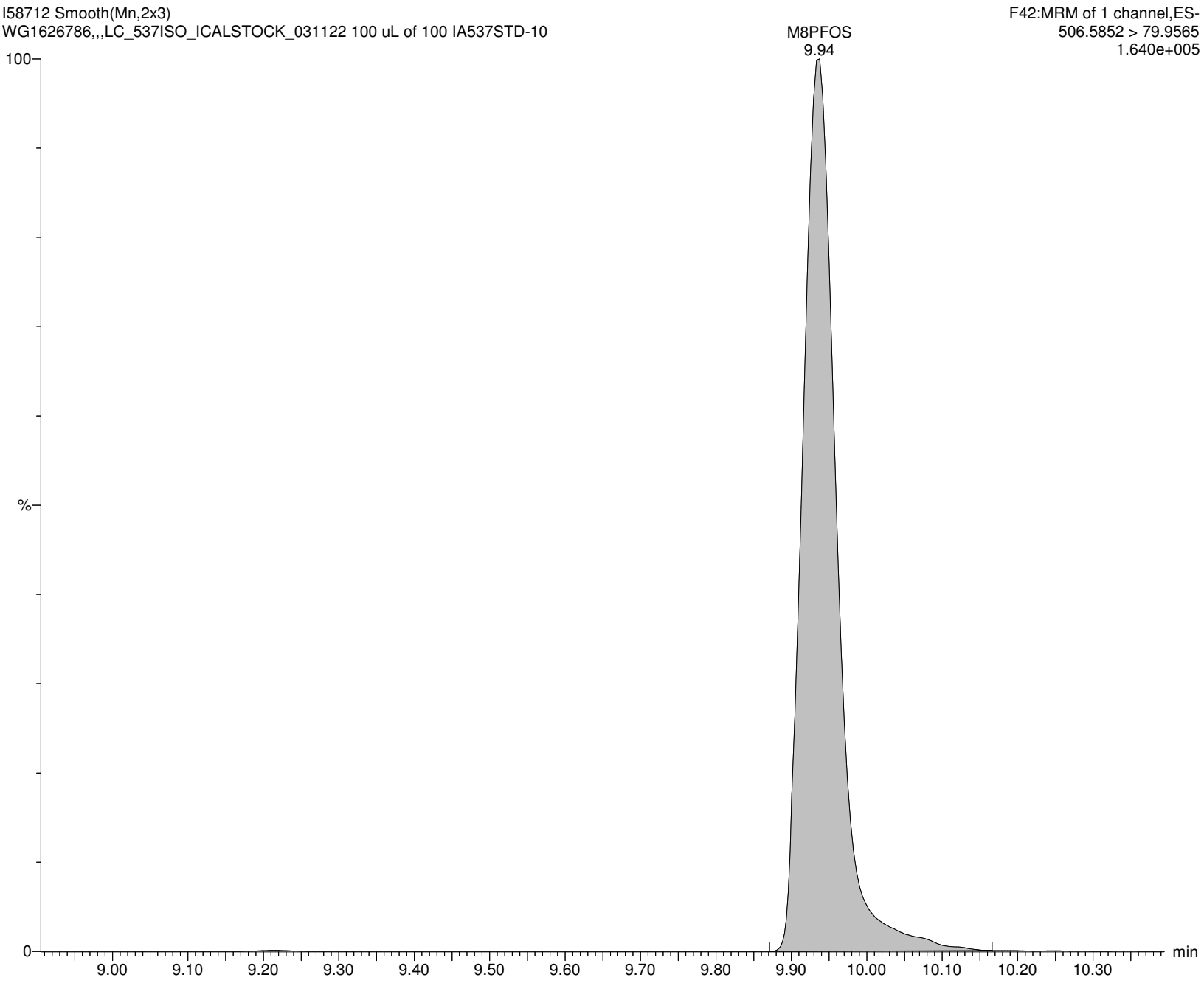


all concentration units in (ng/mL)

Alpha Analytical Inc.
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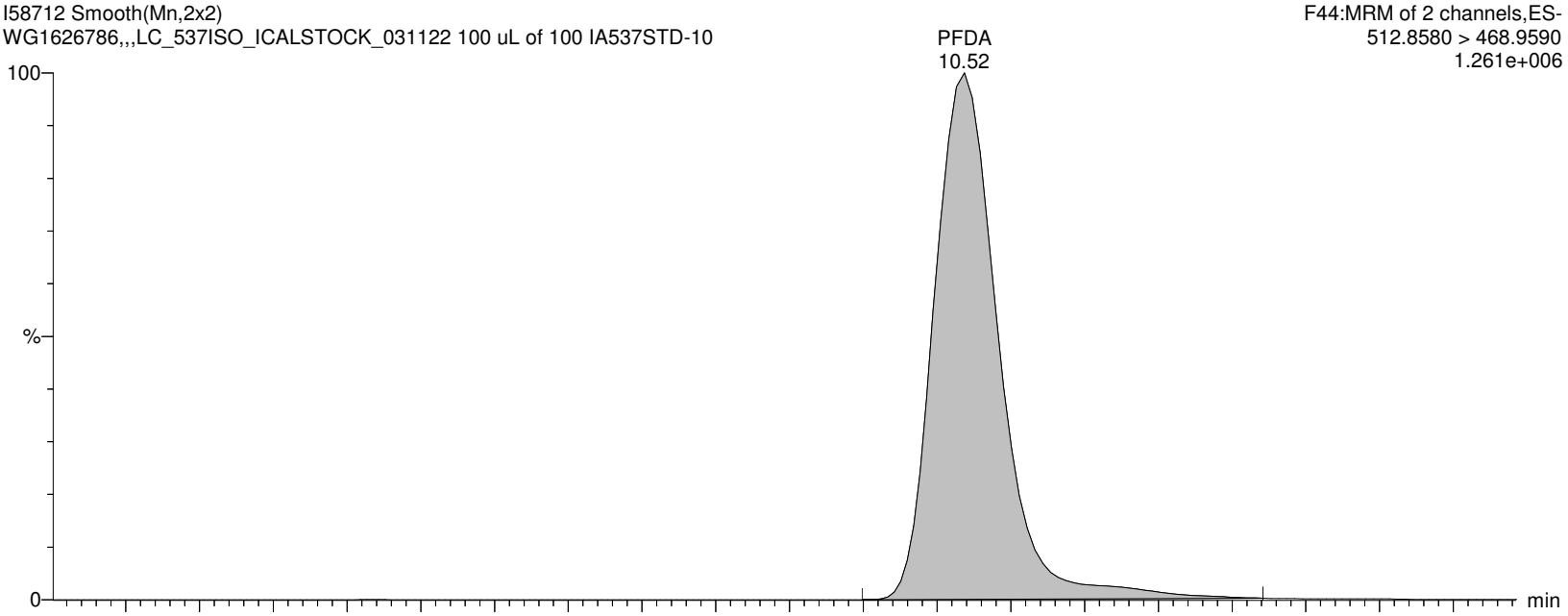


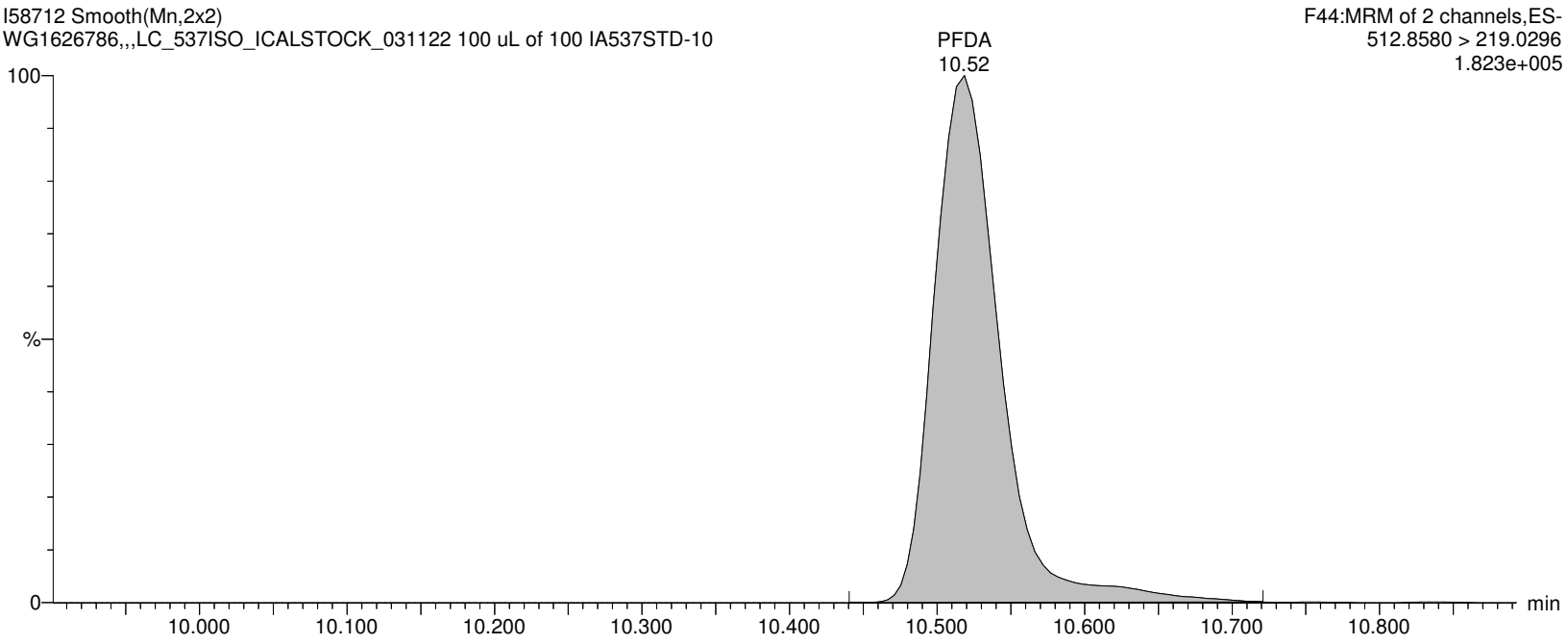
all concentration units in (ng/mL)

Alpha Analytical Inc.
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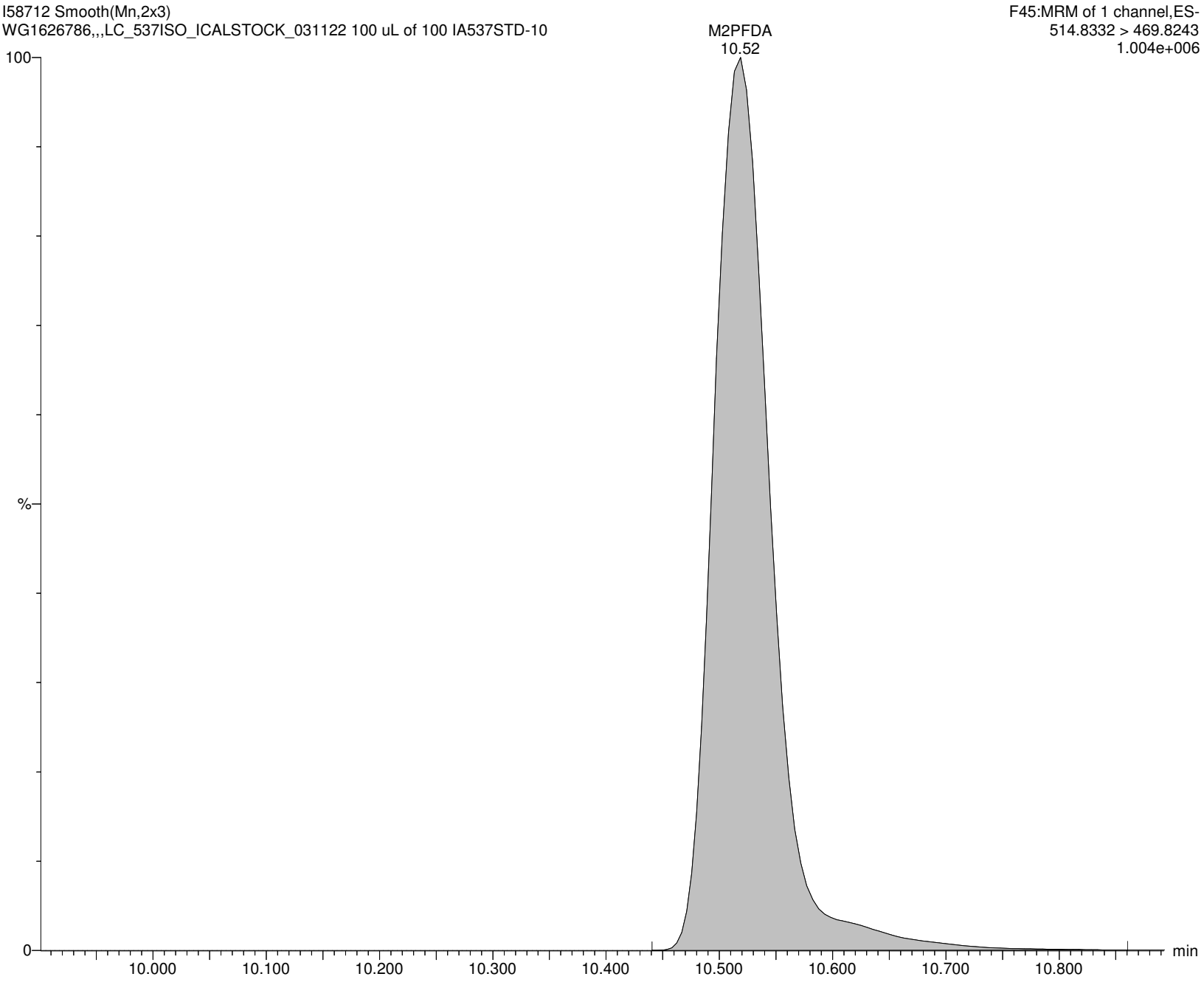


all concentration units in (ng/mL)

Alpha Analytical Inc.
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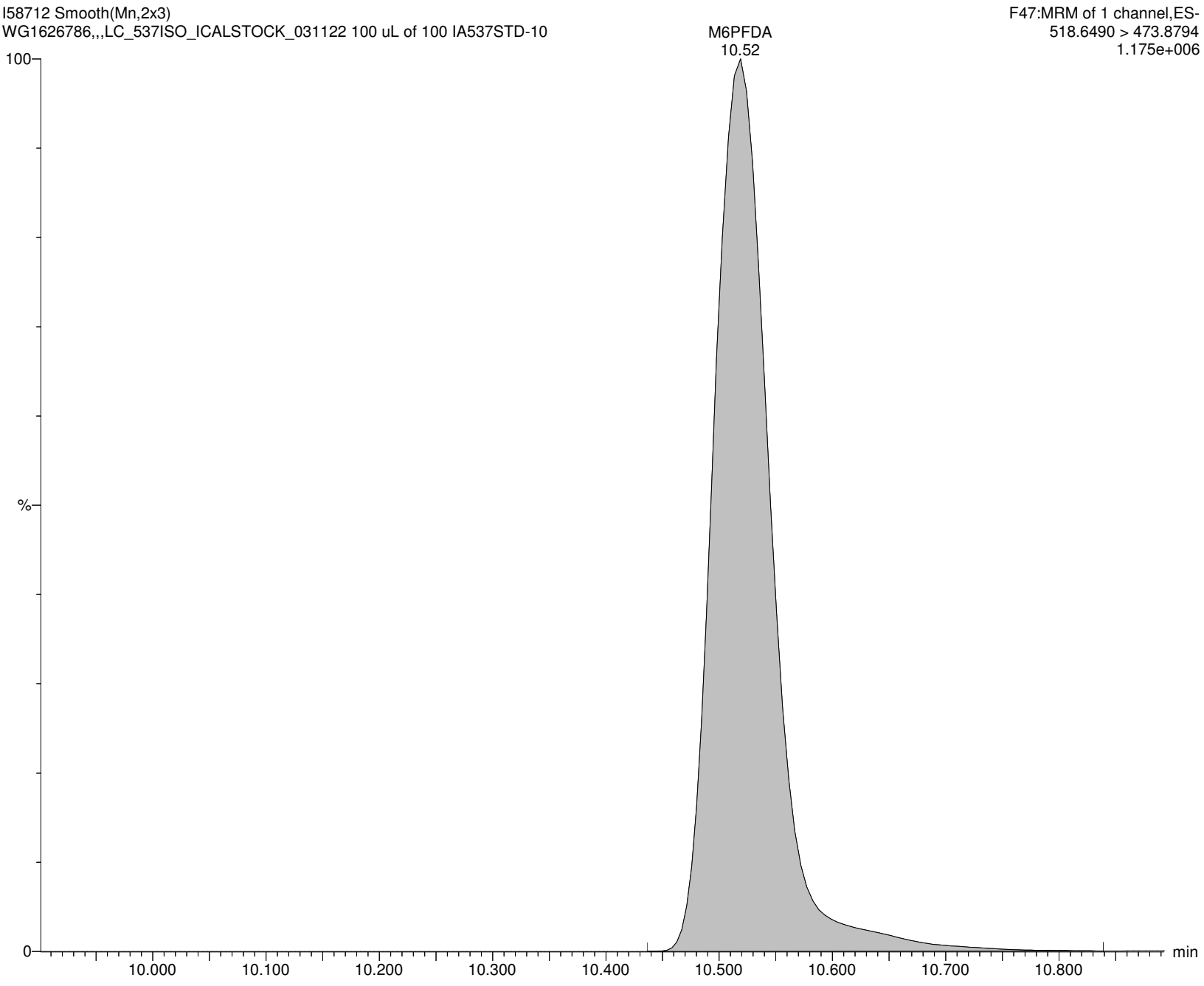


all concentration units in (ng/mL)

Alpha Analytical Inc.
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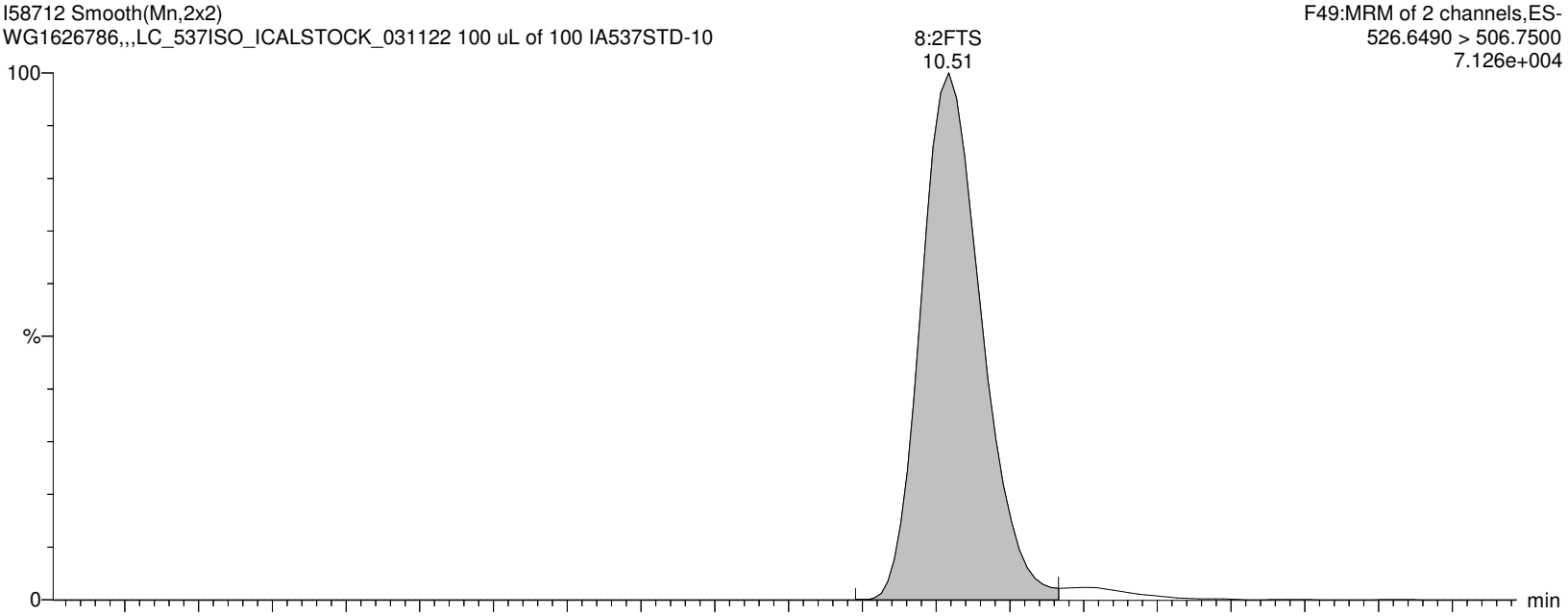


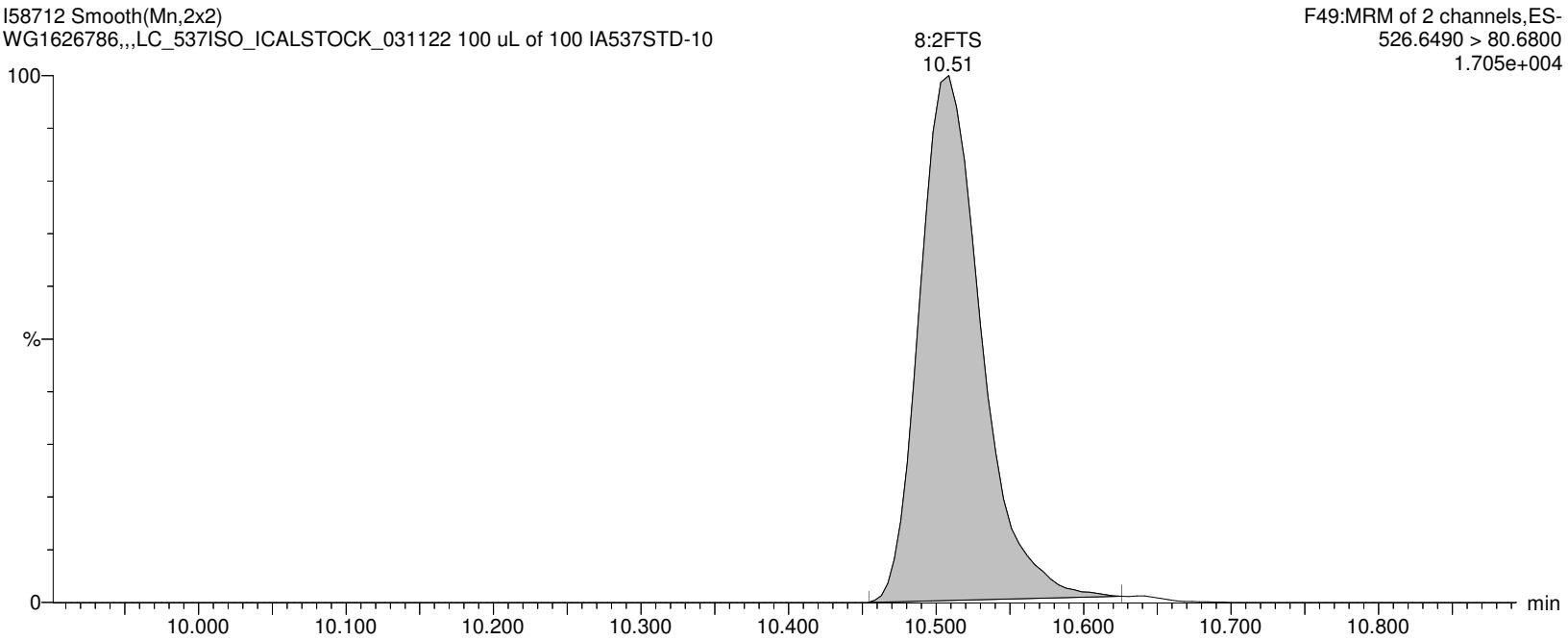
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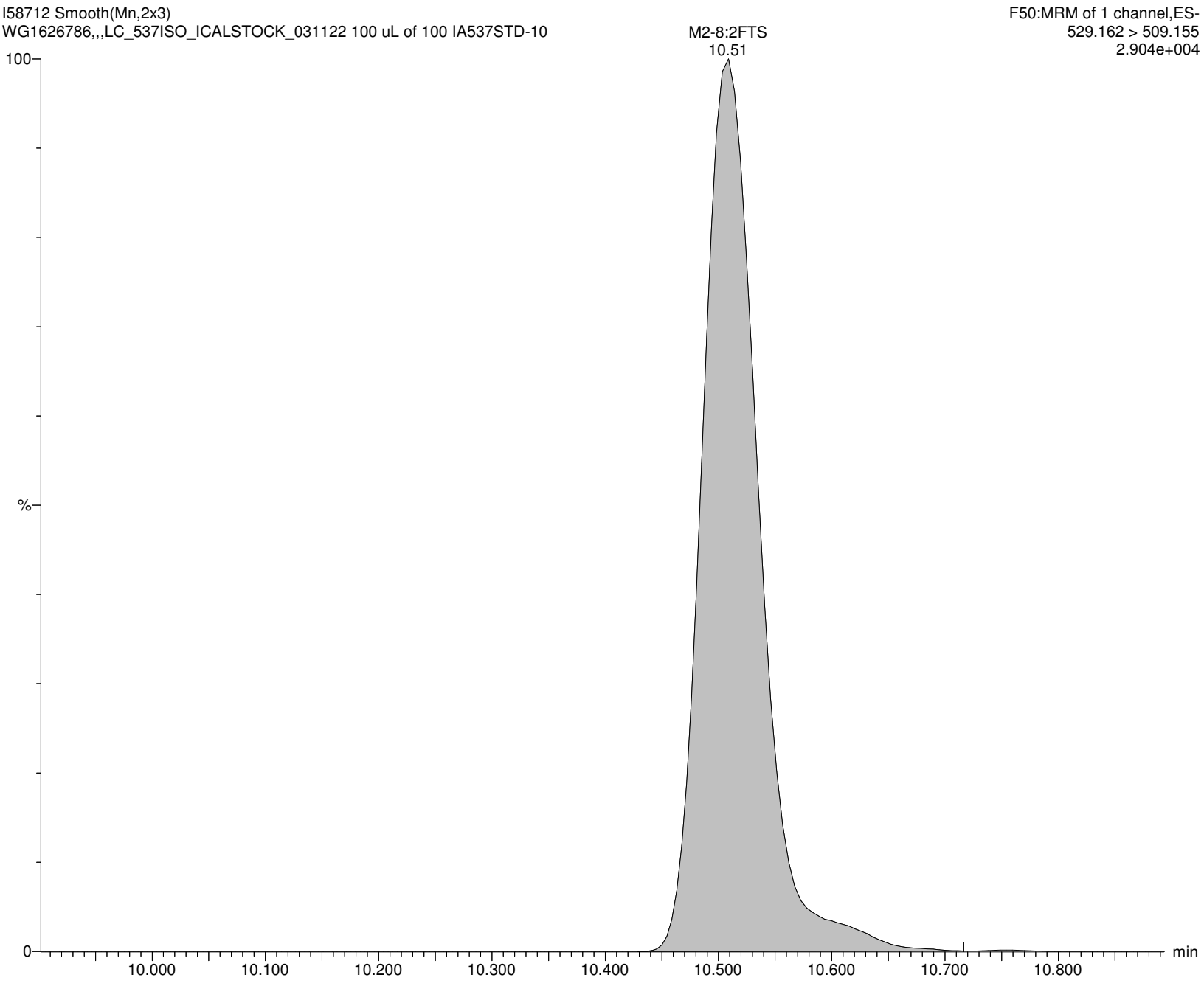


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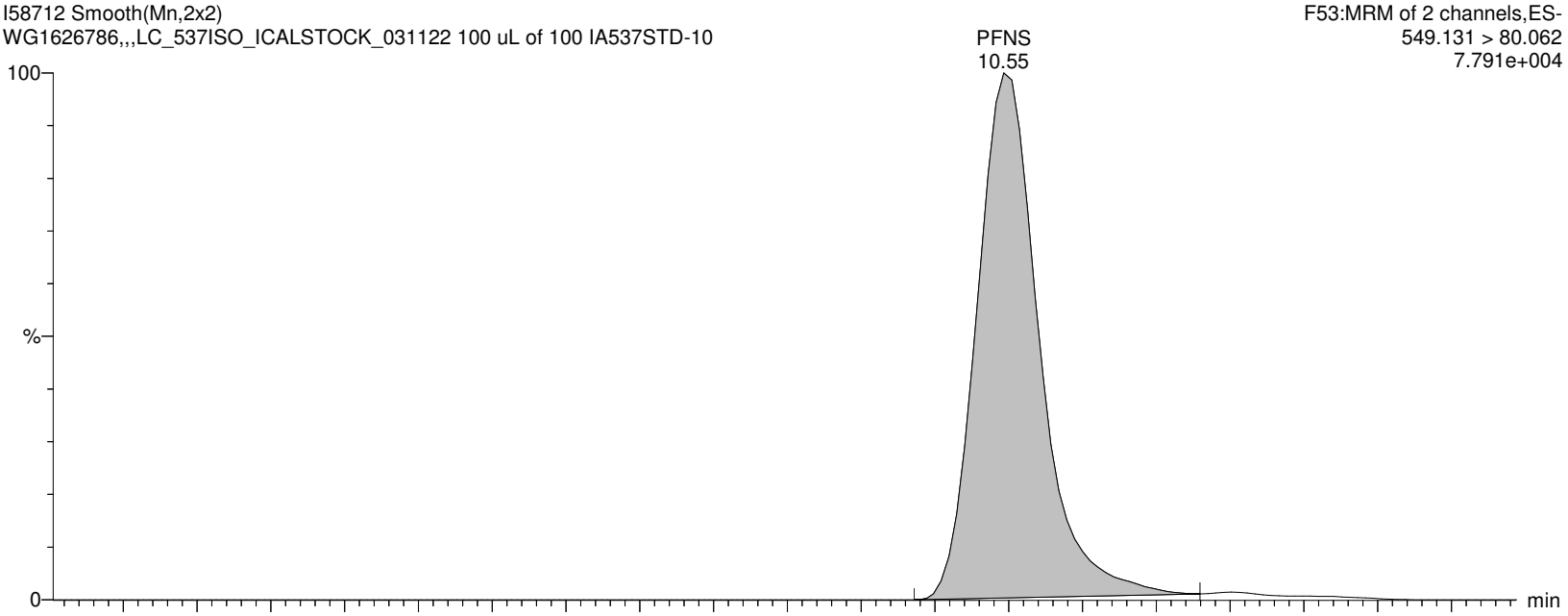


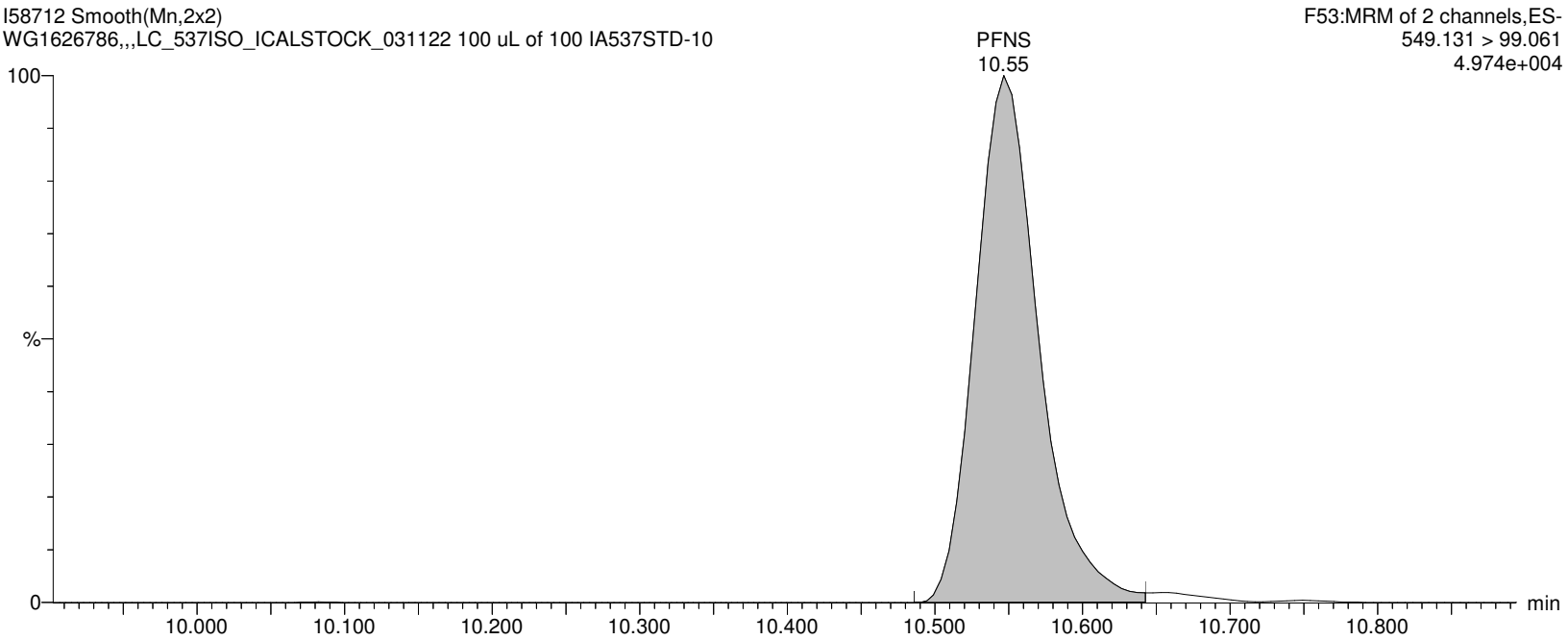
all concentration units in (ng/mL)

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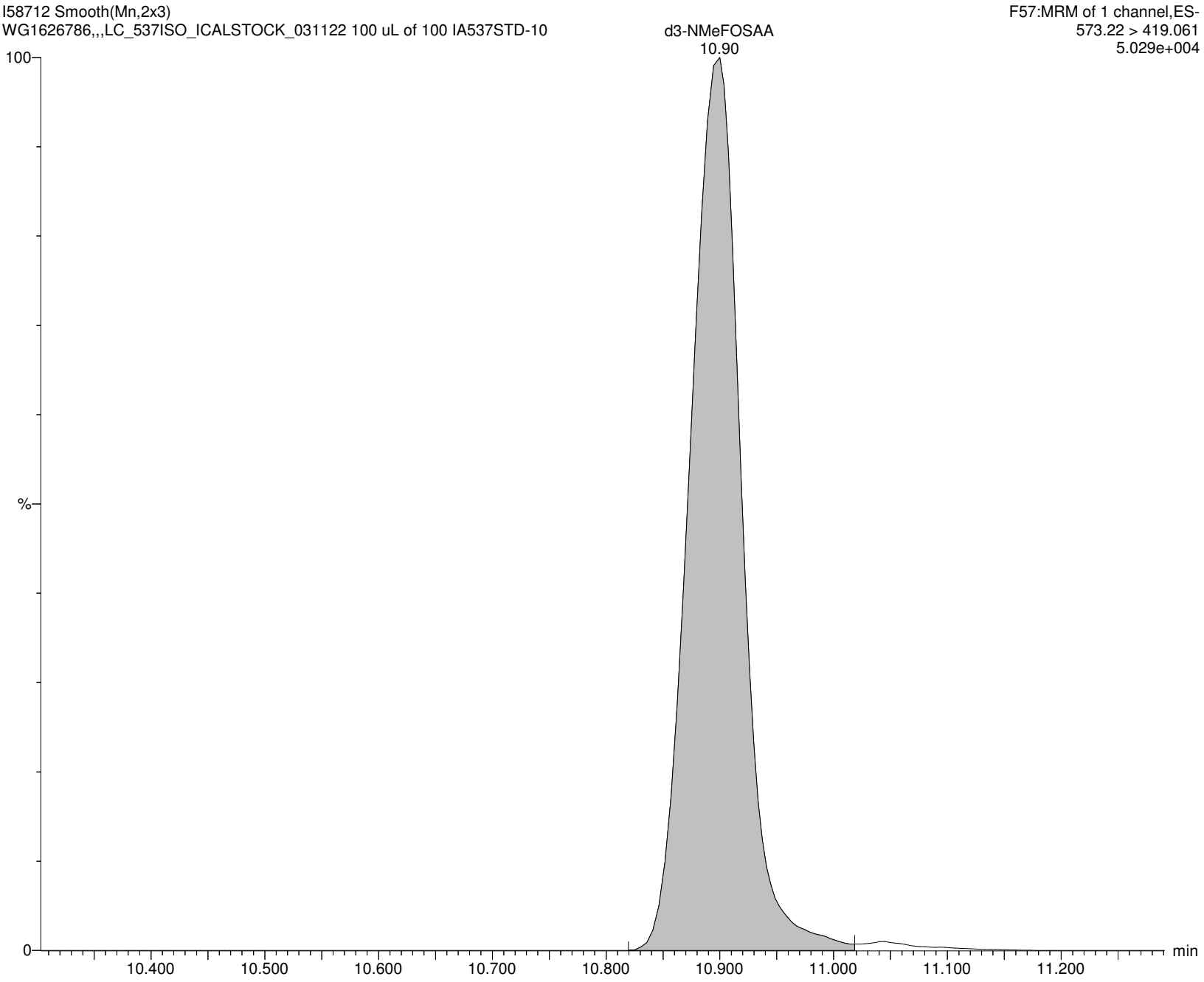


all concentration units in (ng/mL)

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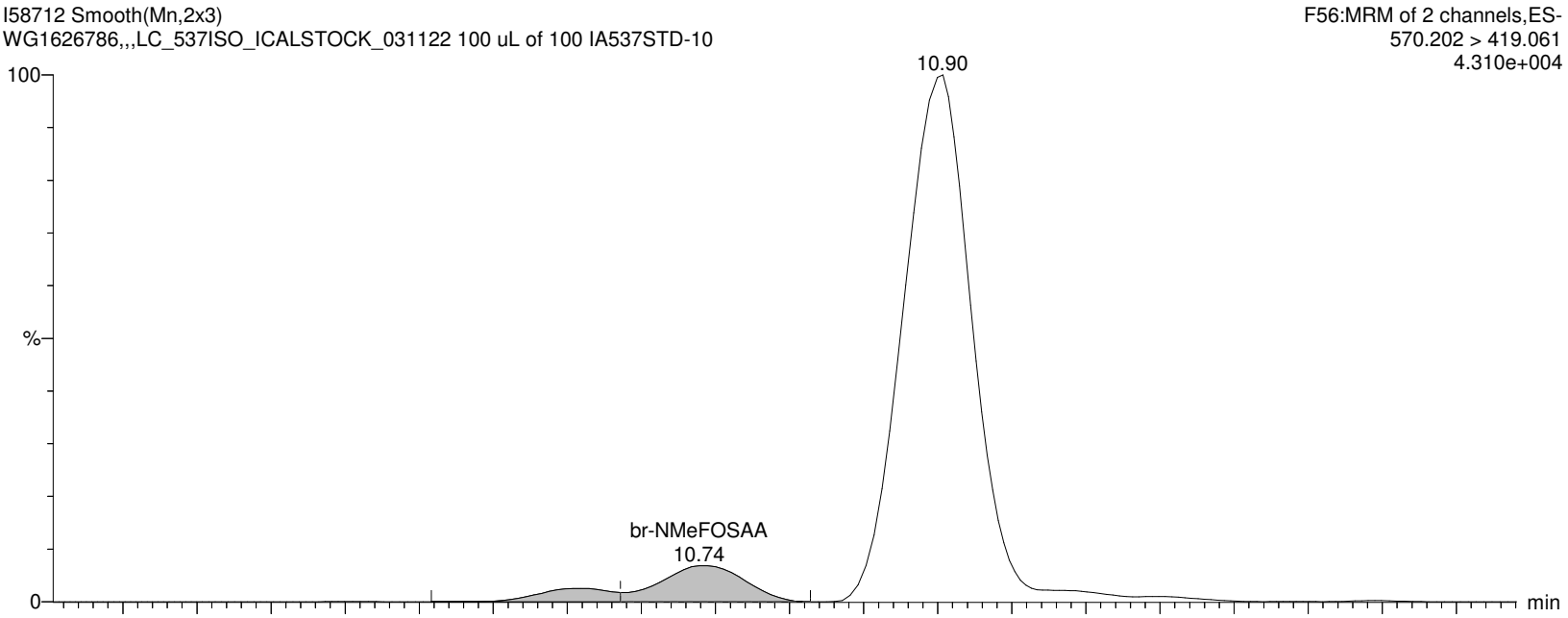


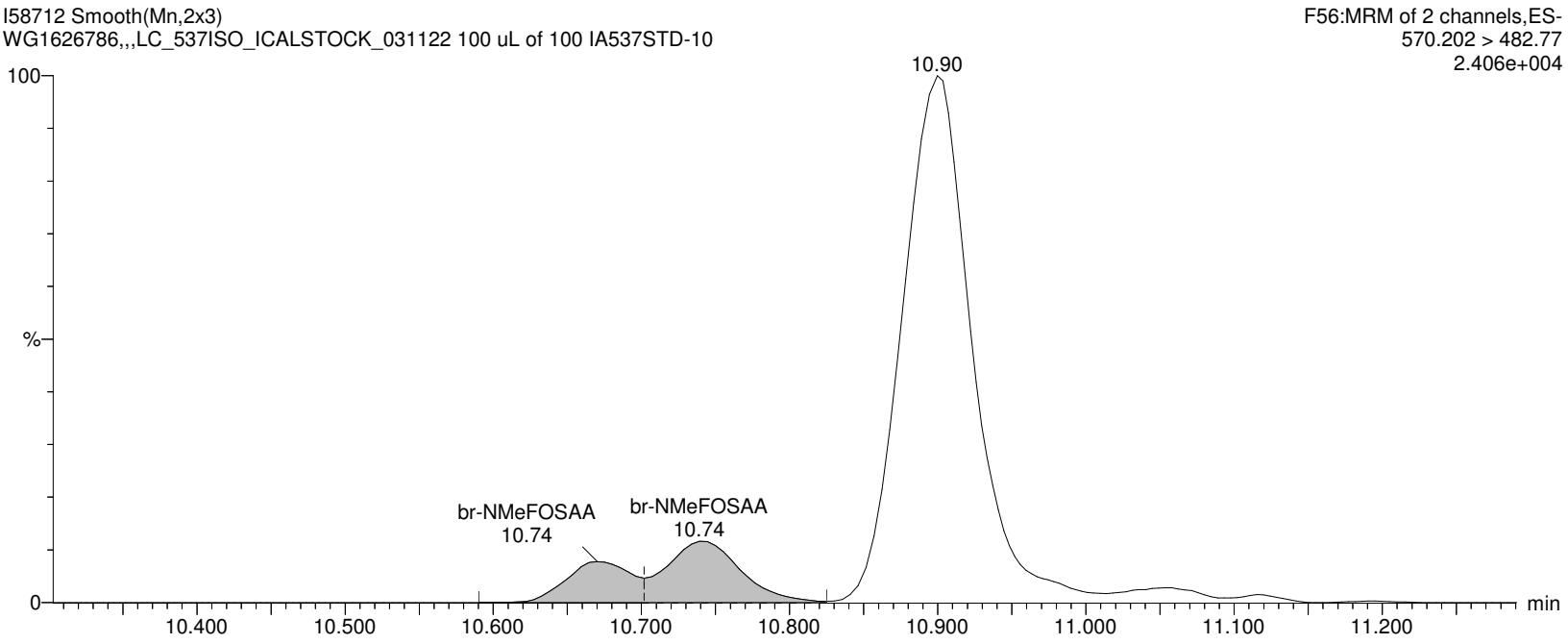
all concentration units in (ng/mL)

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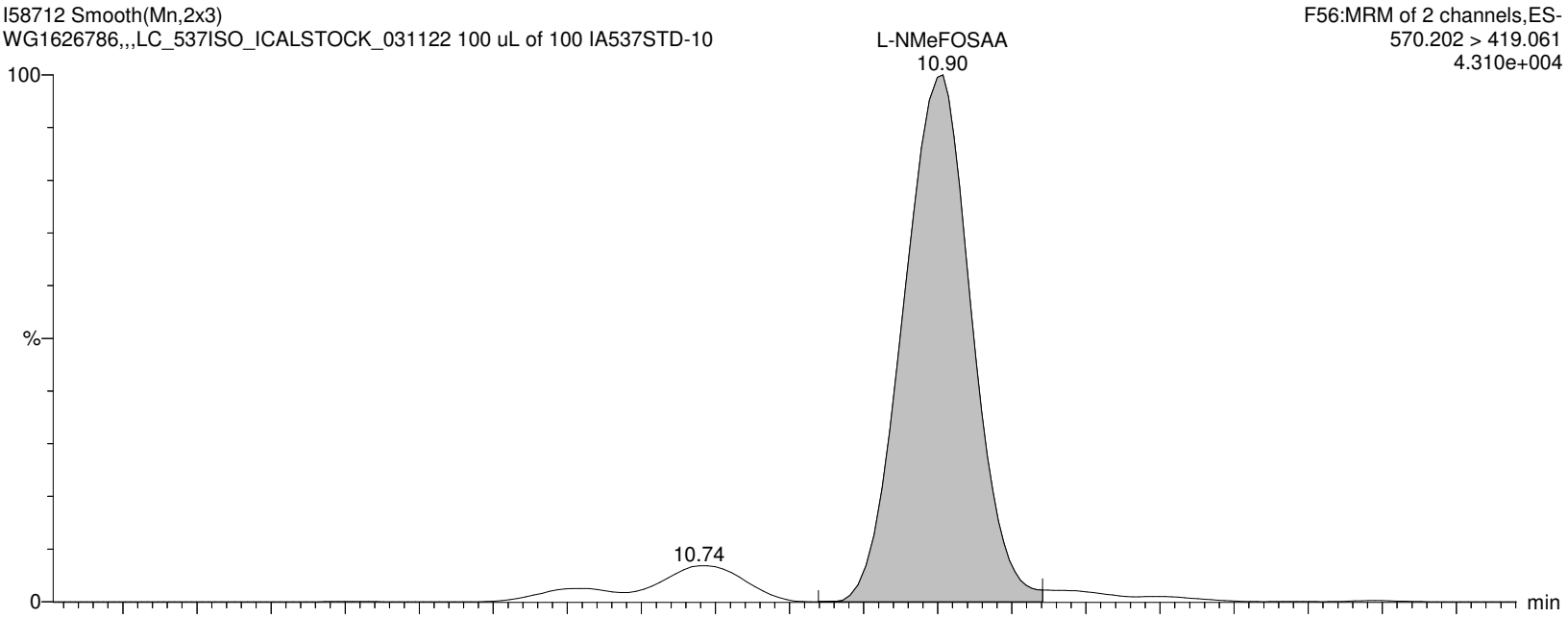


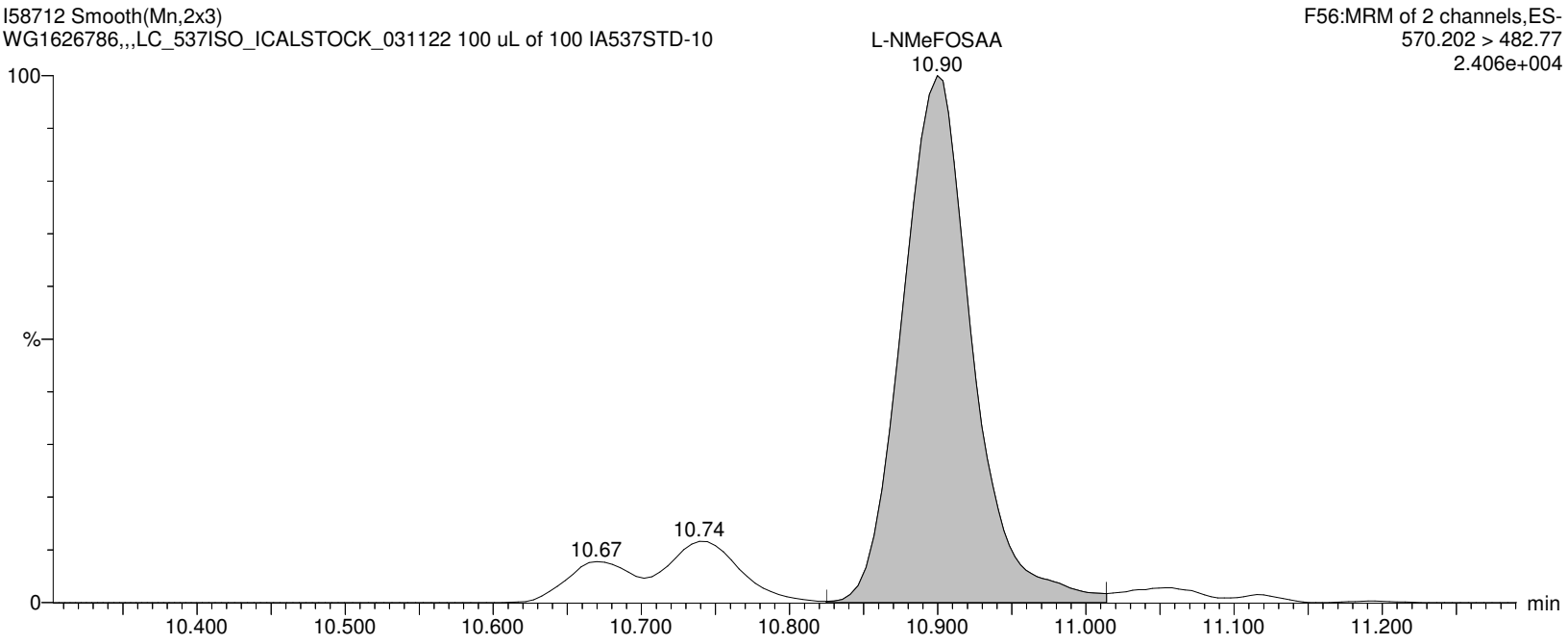
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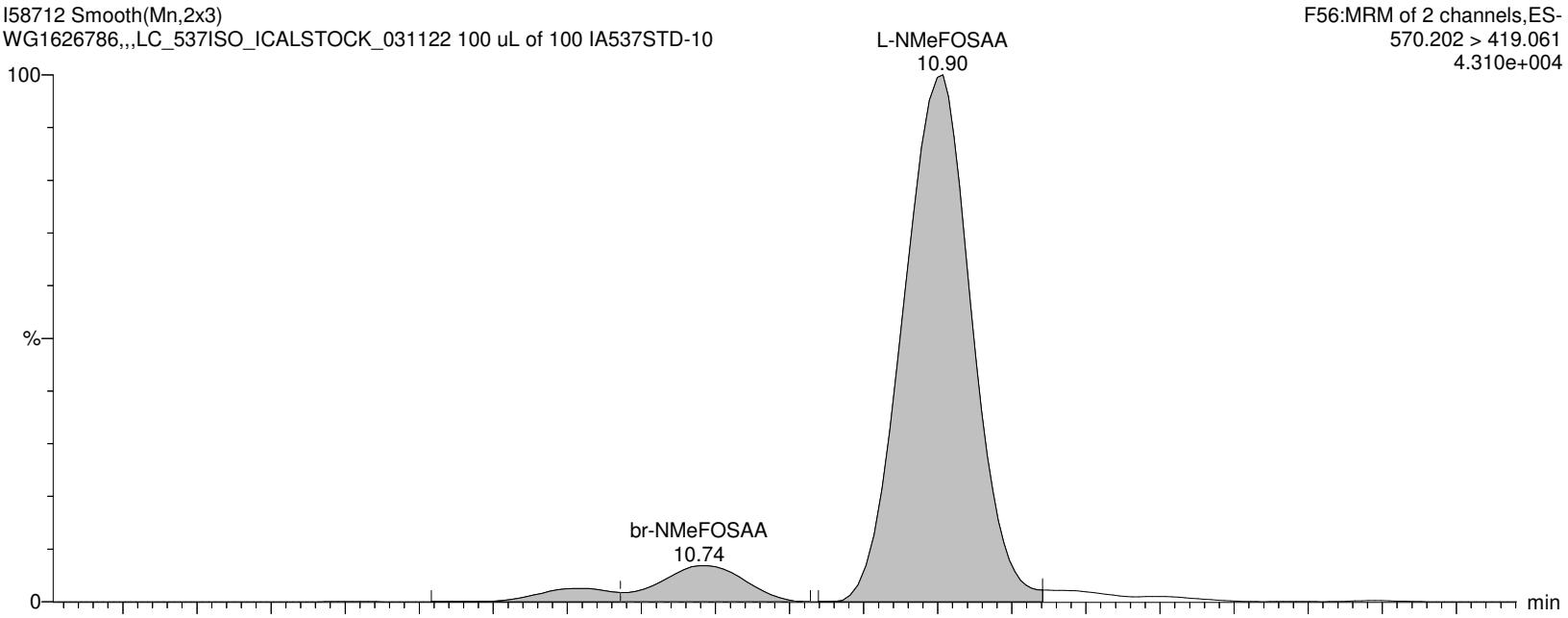


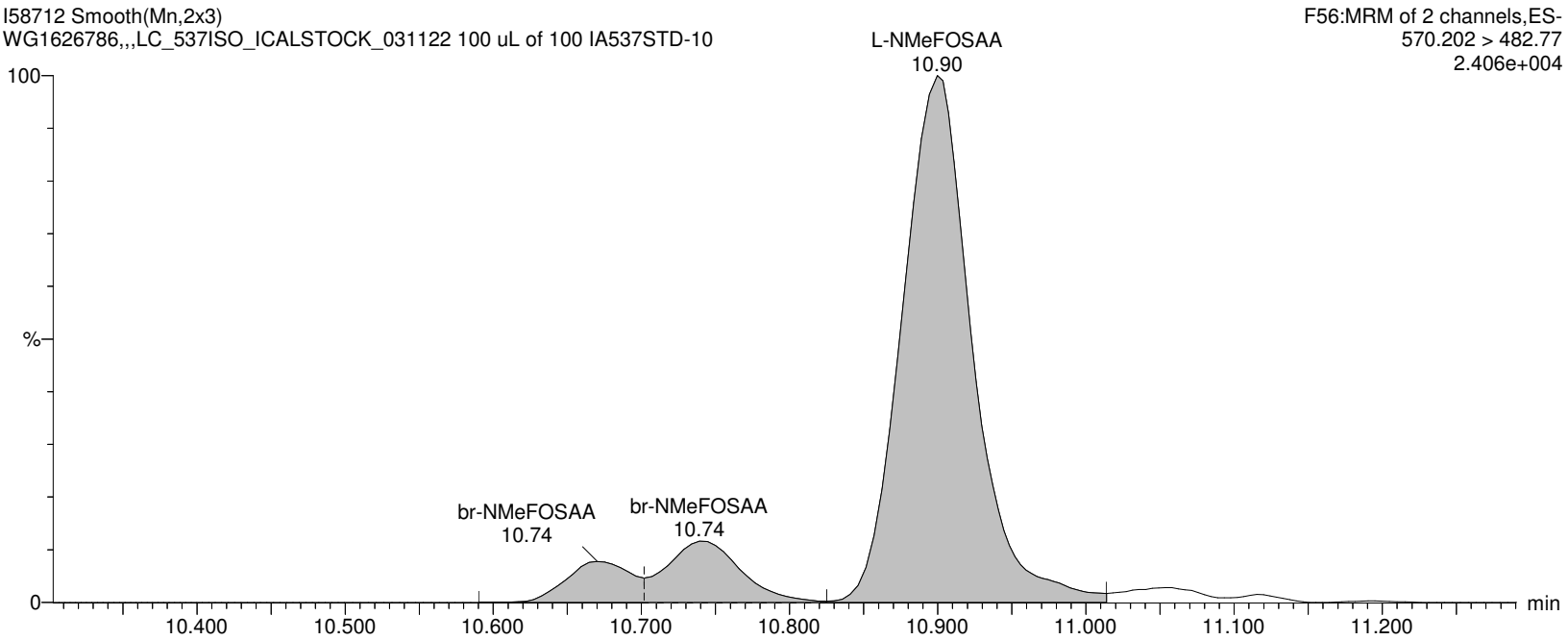
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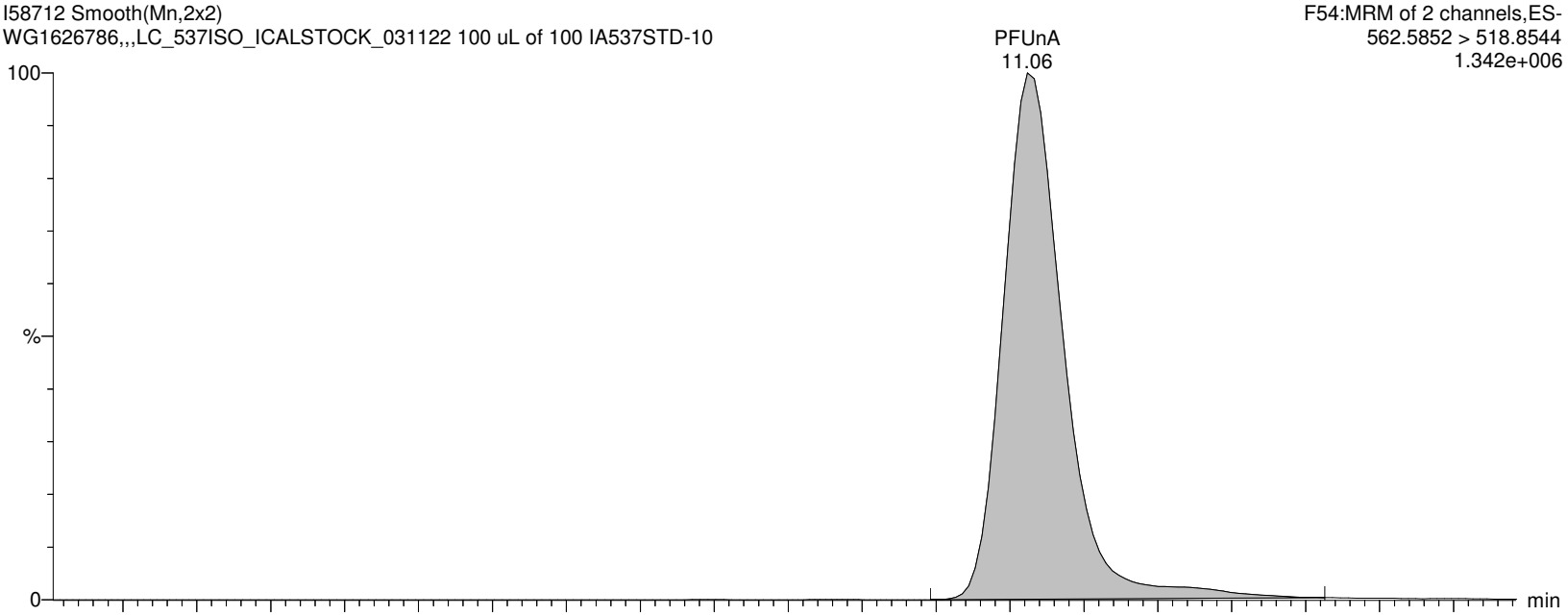


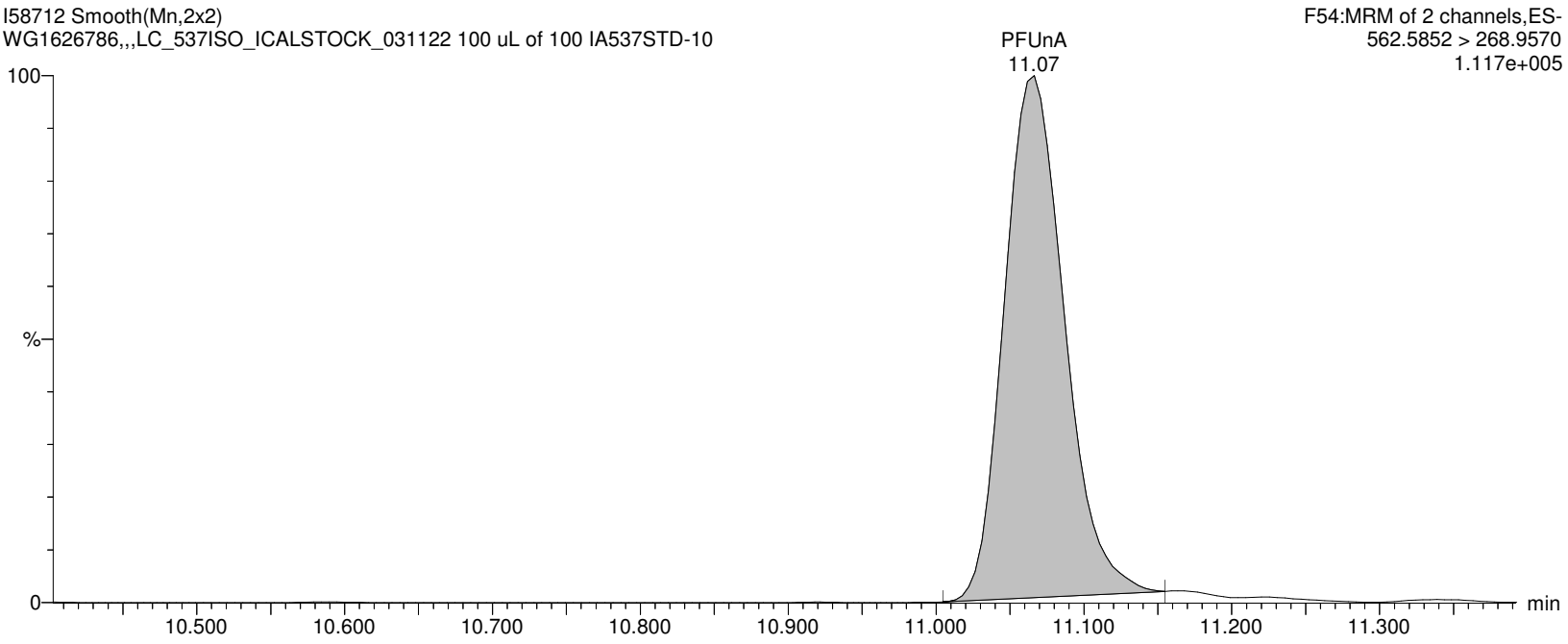
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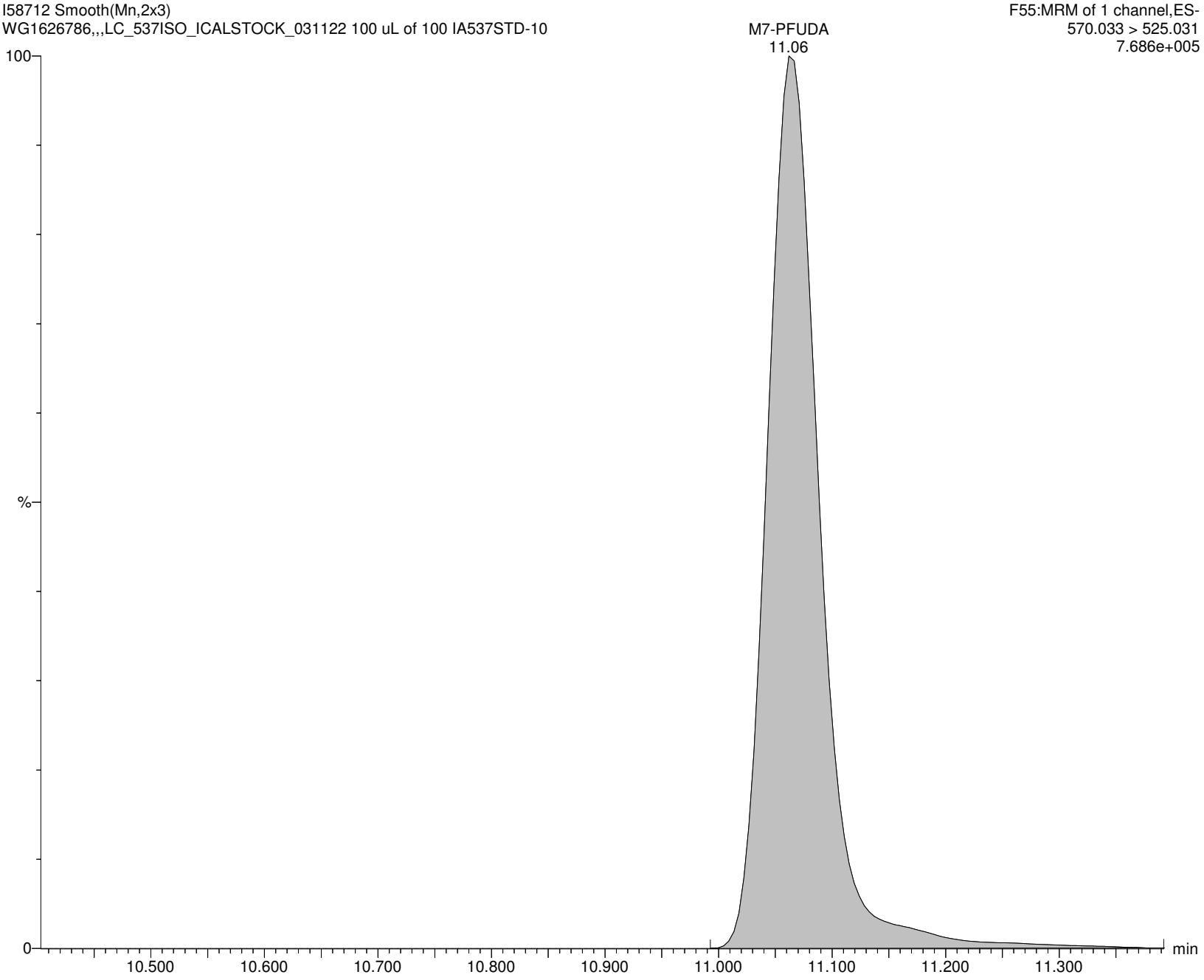


all concentration units in (ng/mL)

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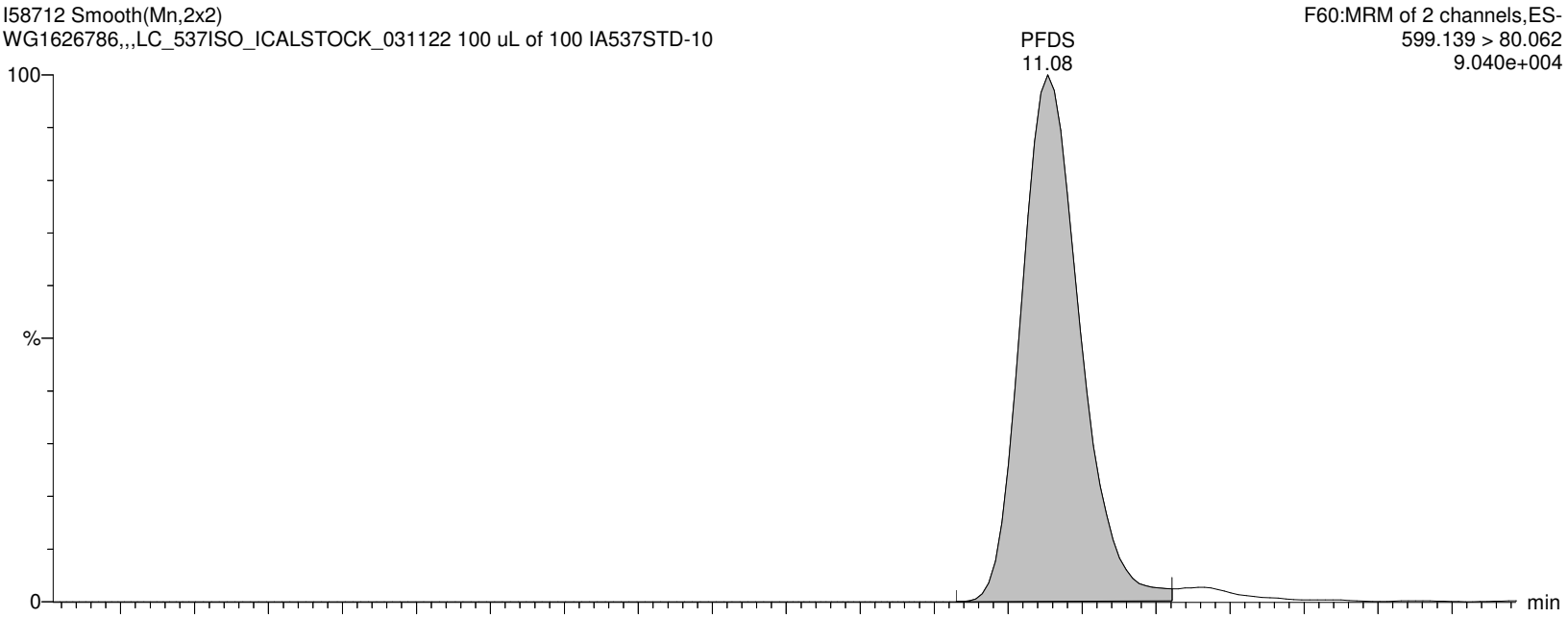


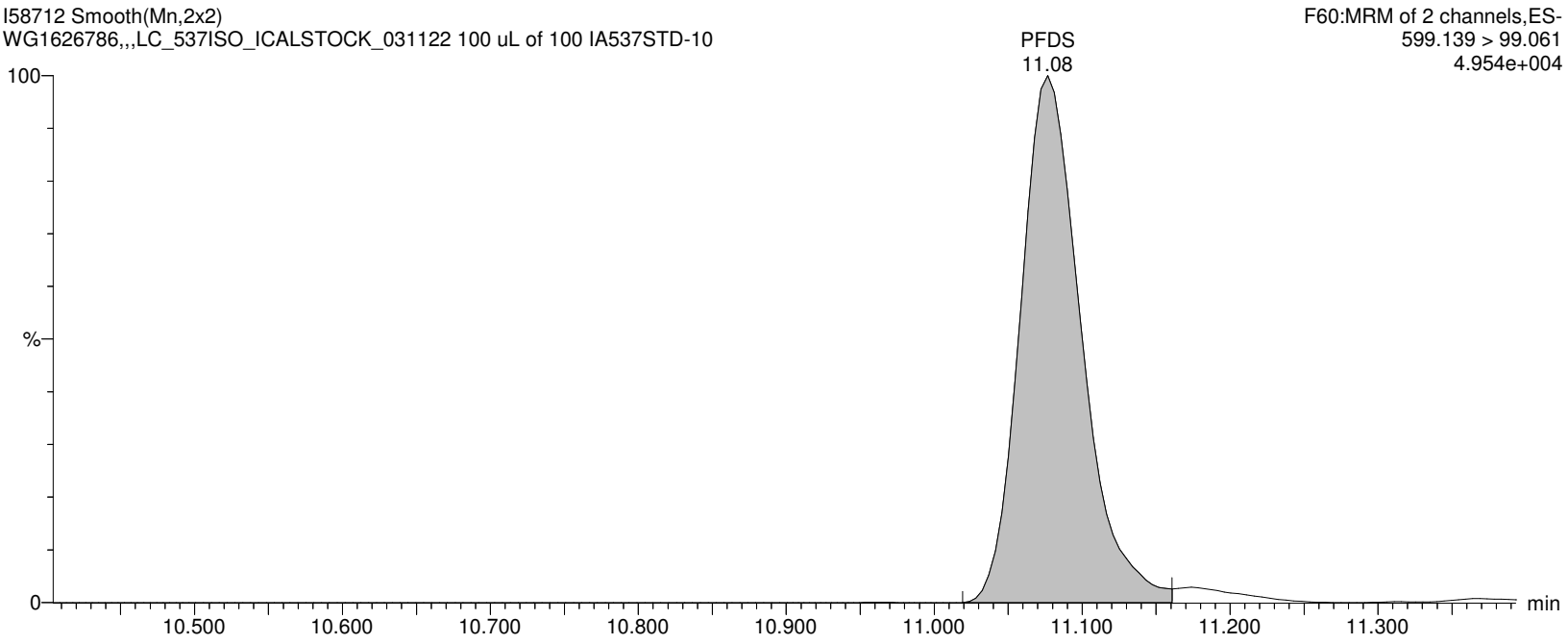
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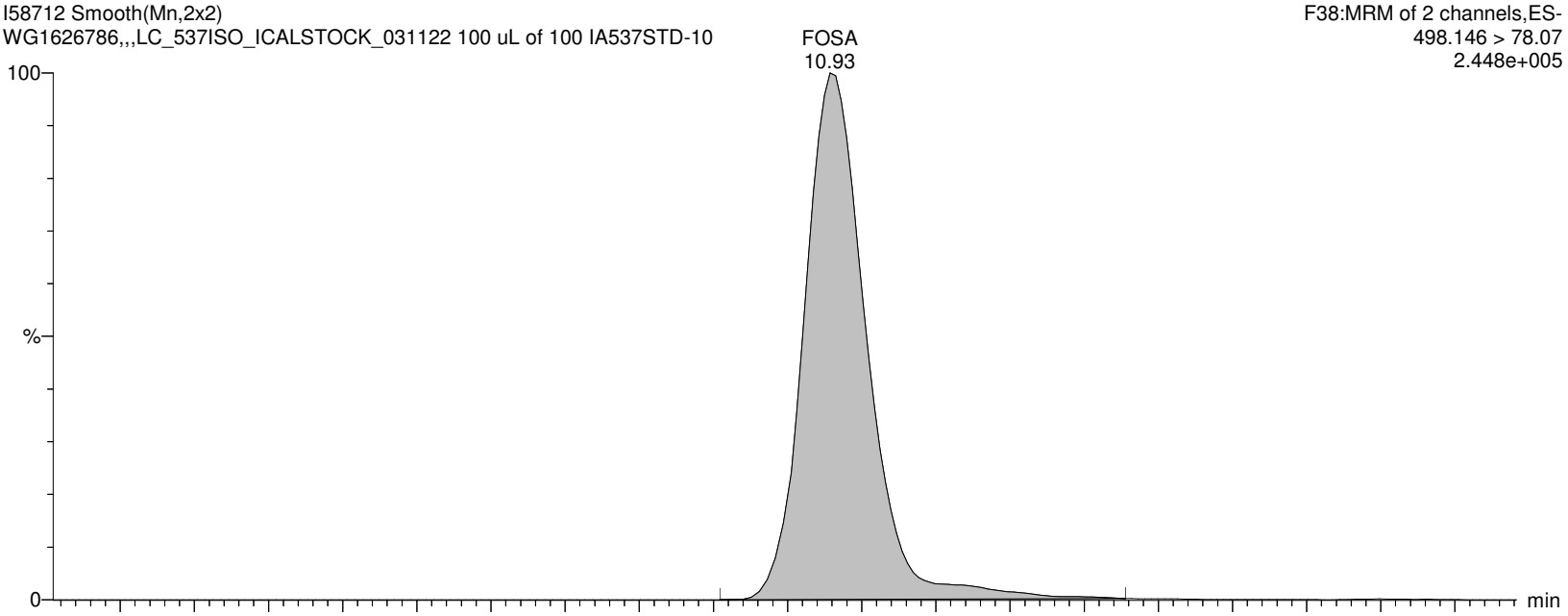


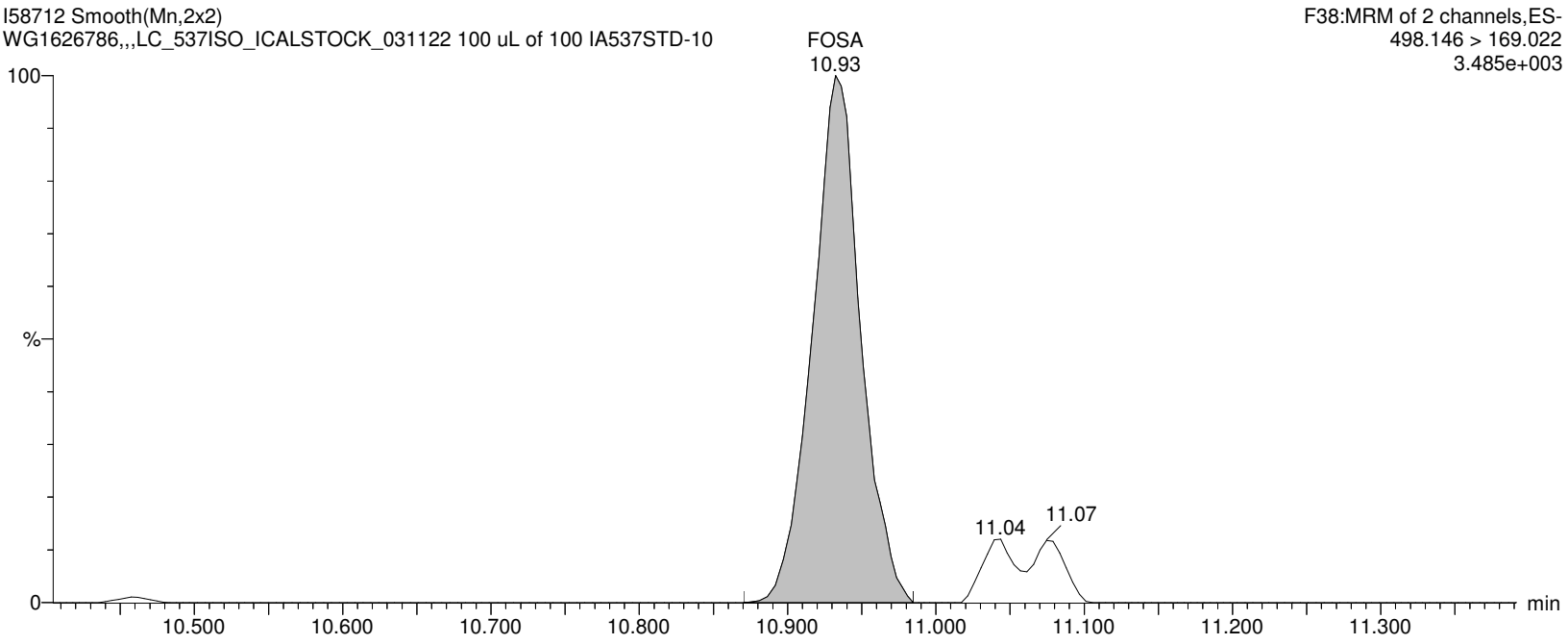
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FOSA



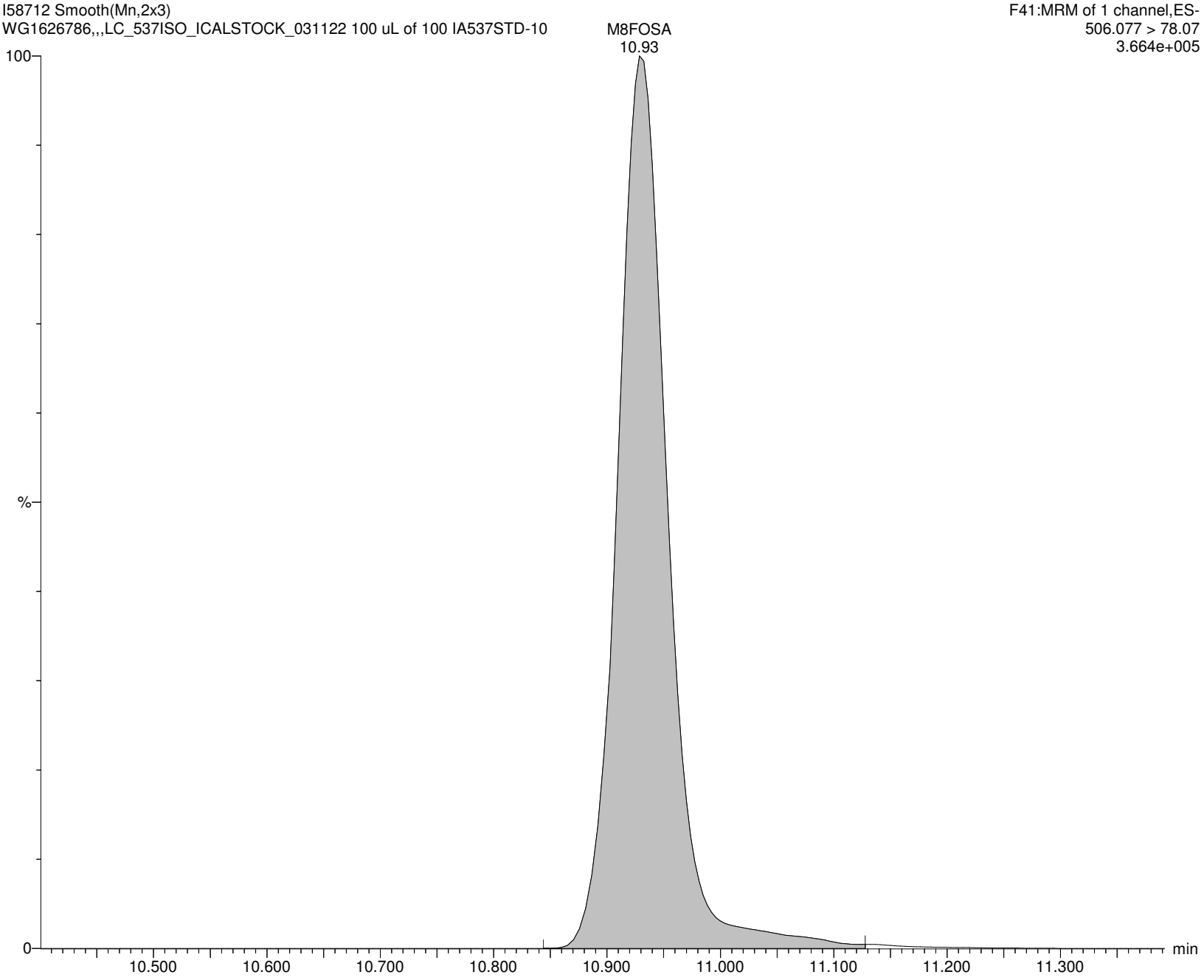


all concentration units in (ng/mL)

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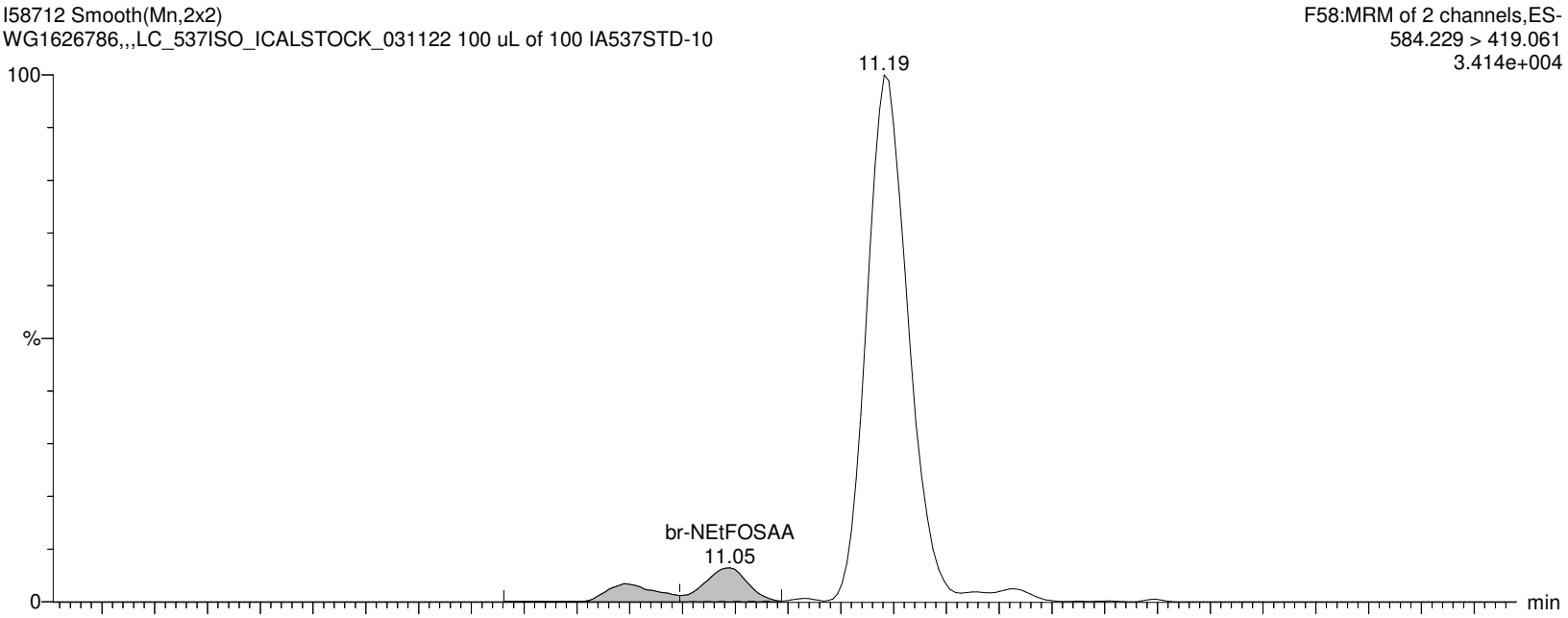


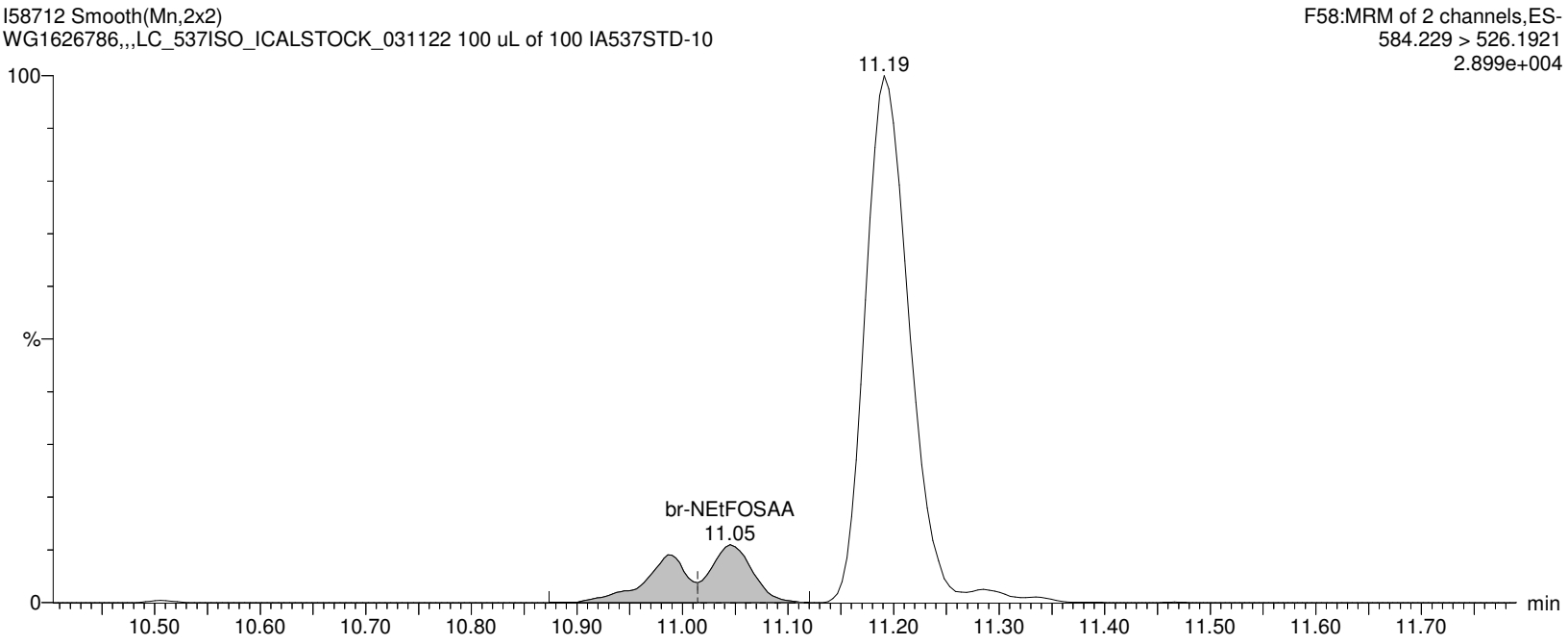
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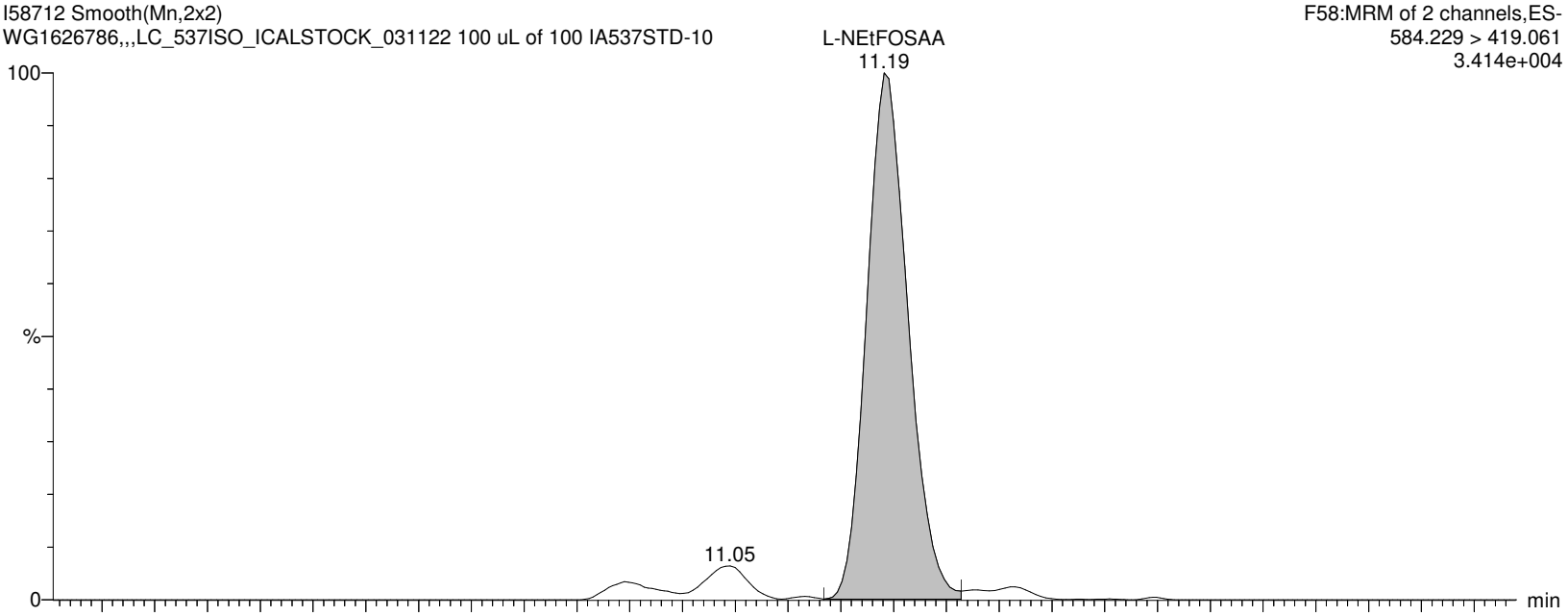


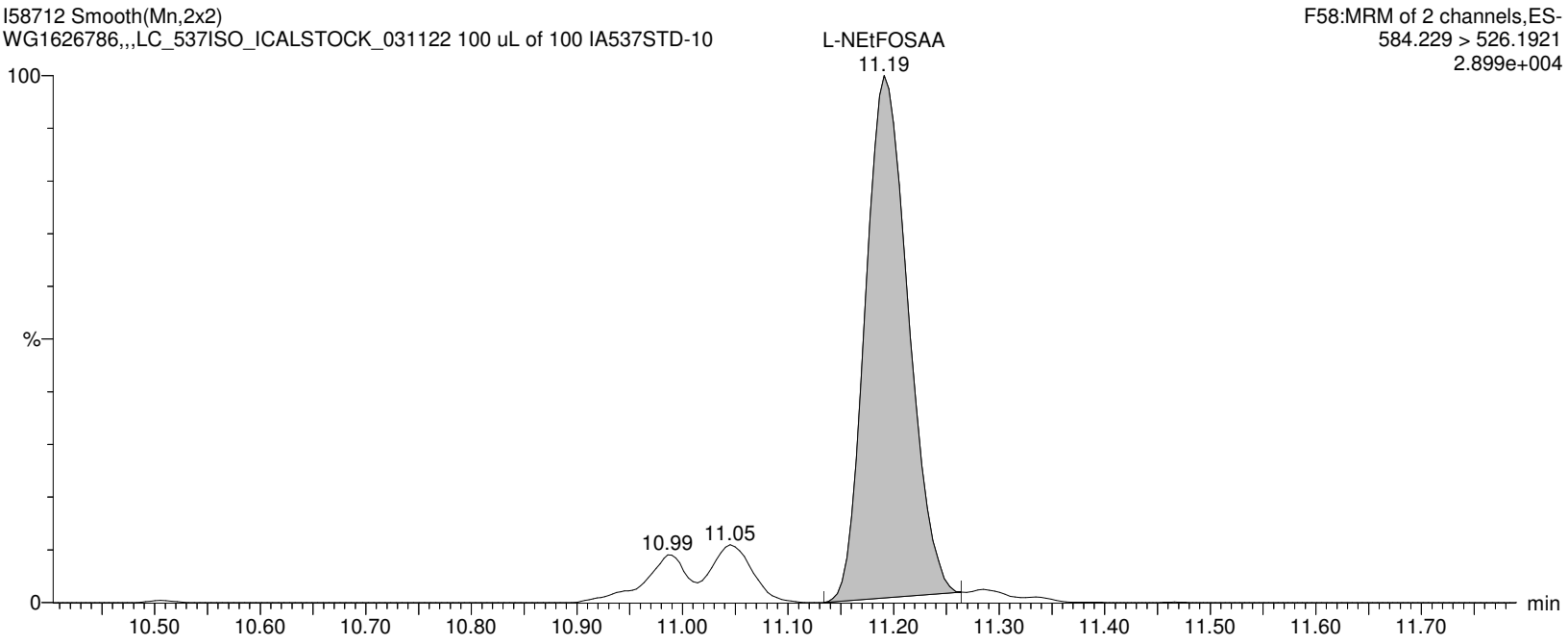
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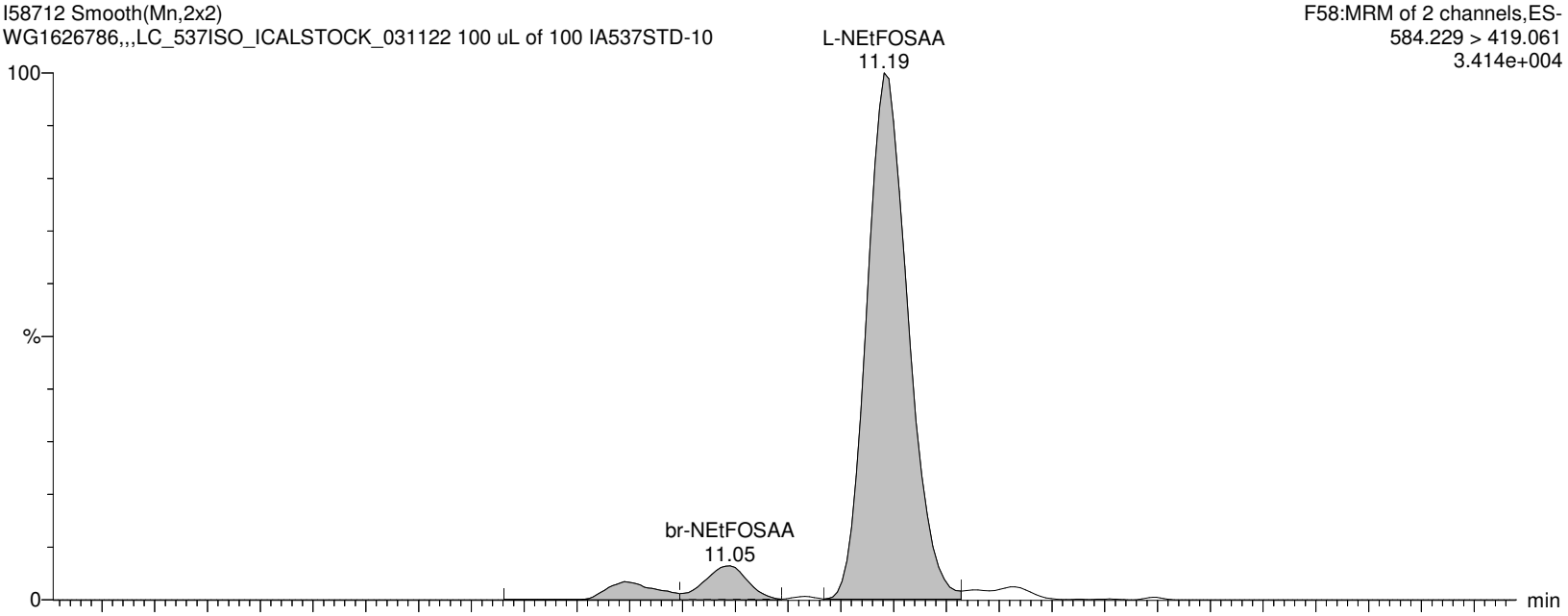


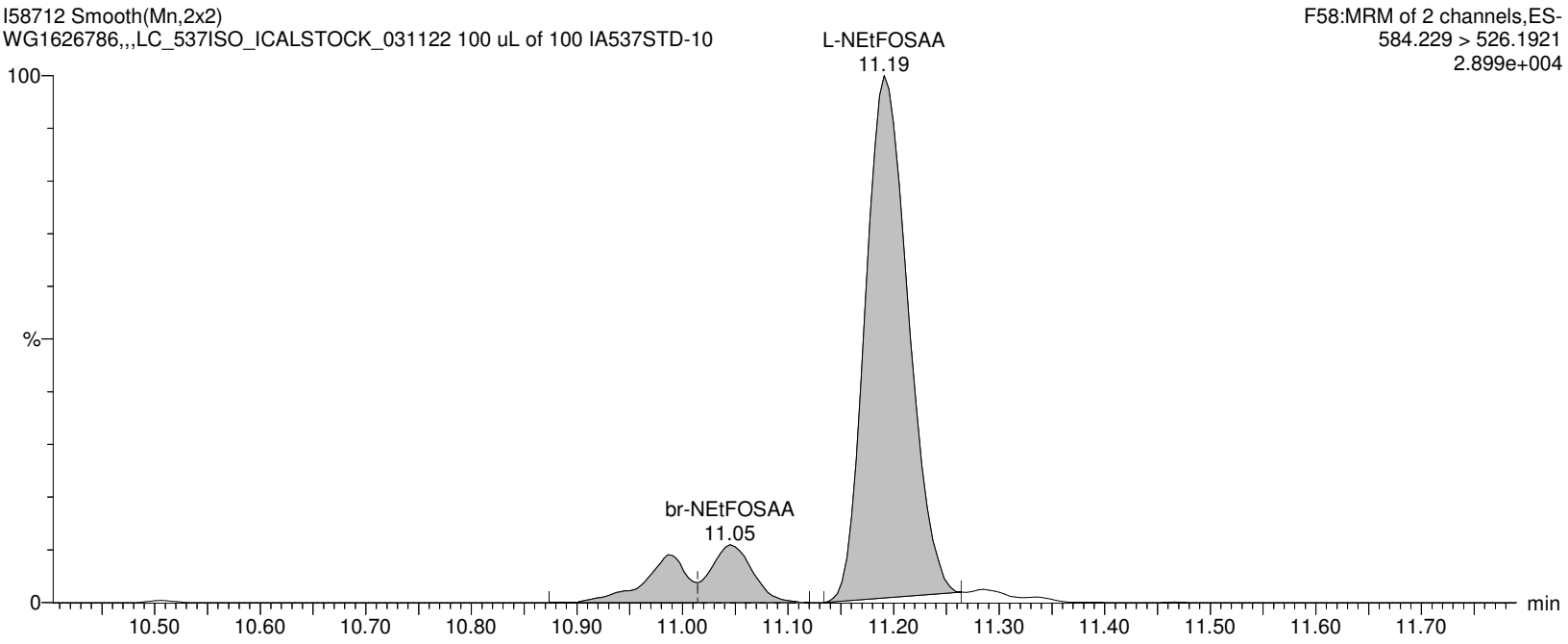
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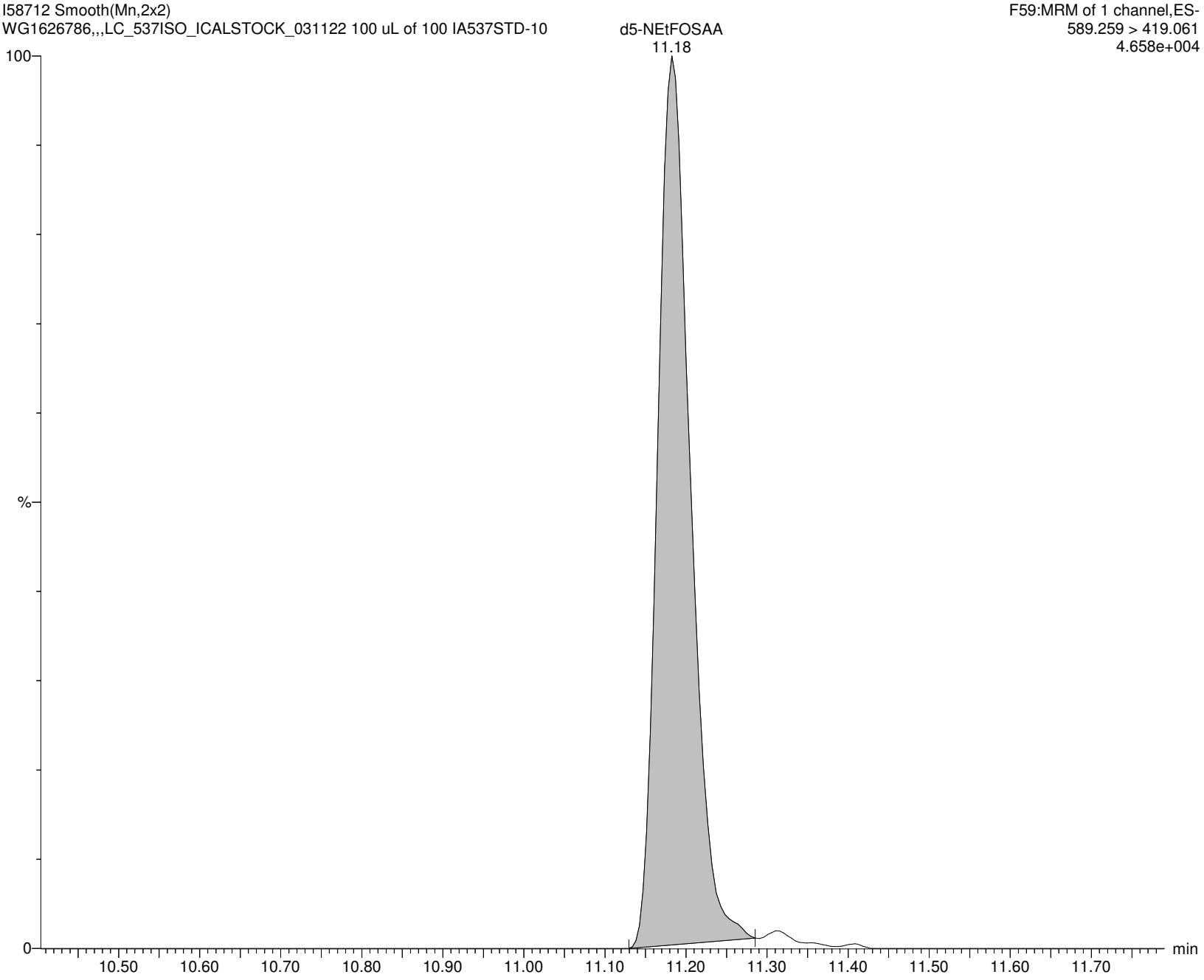


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d5-NEtFOSAA

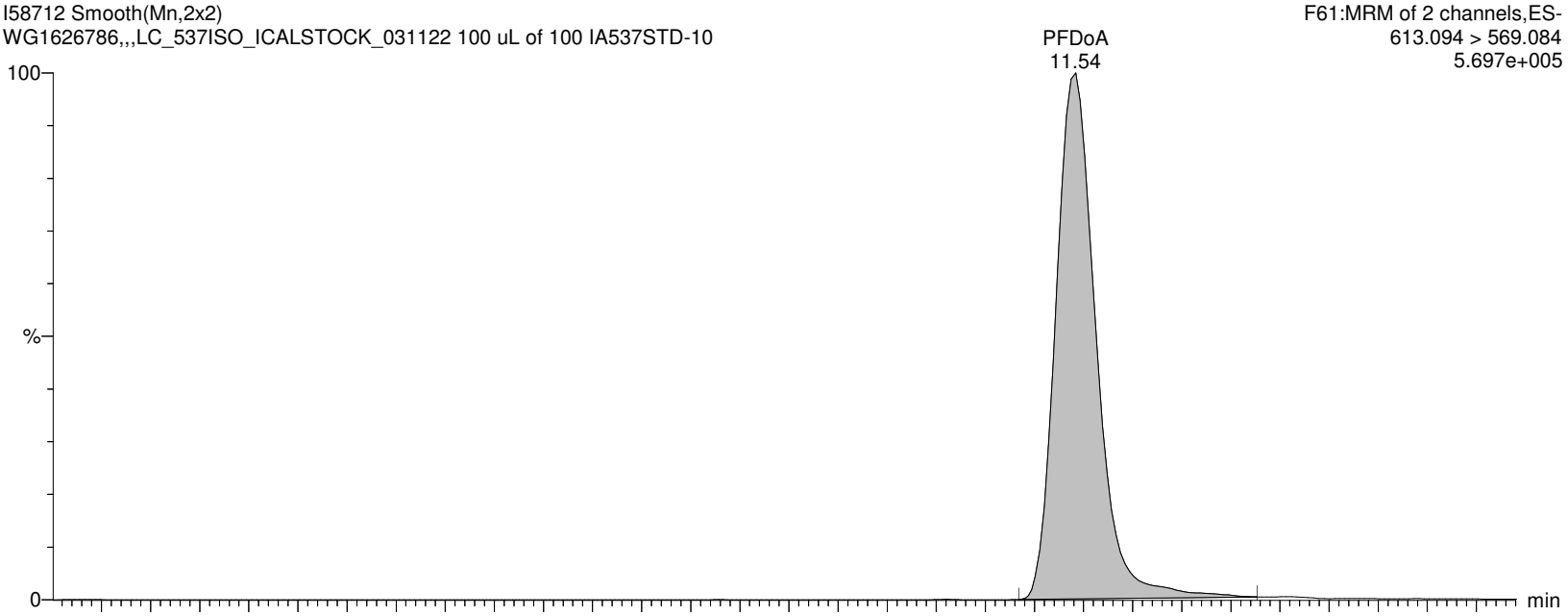


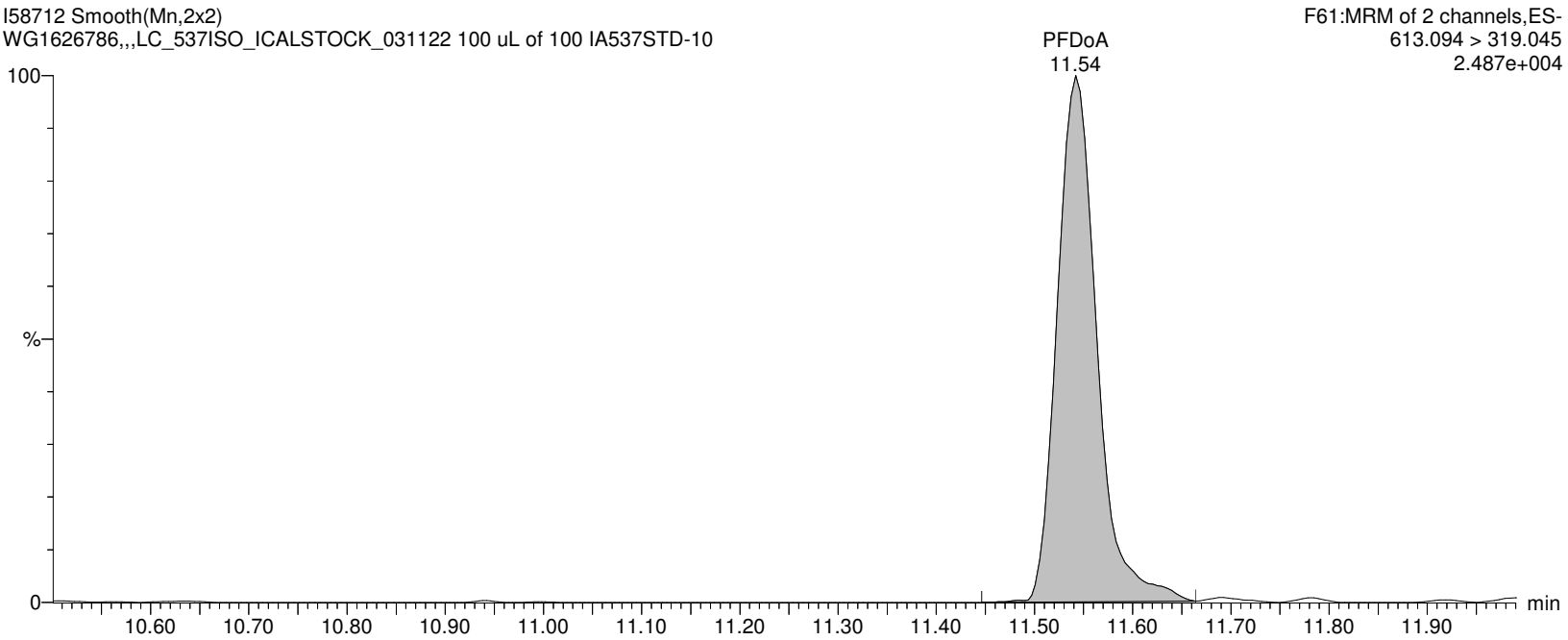
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Vial: 1:A,6
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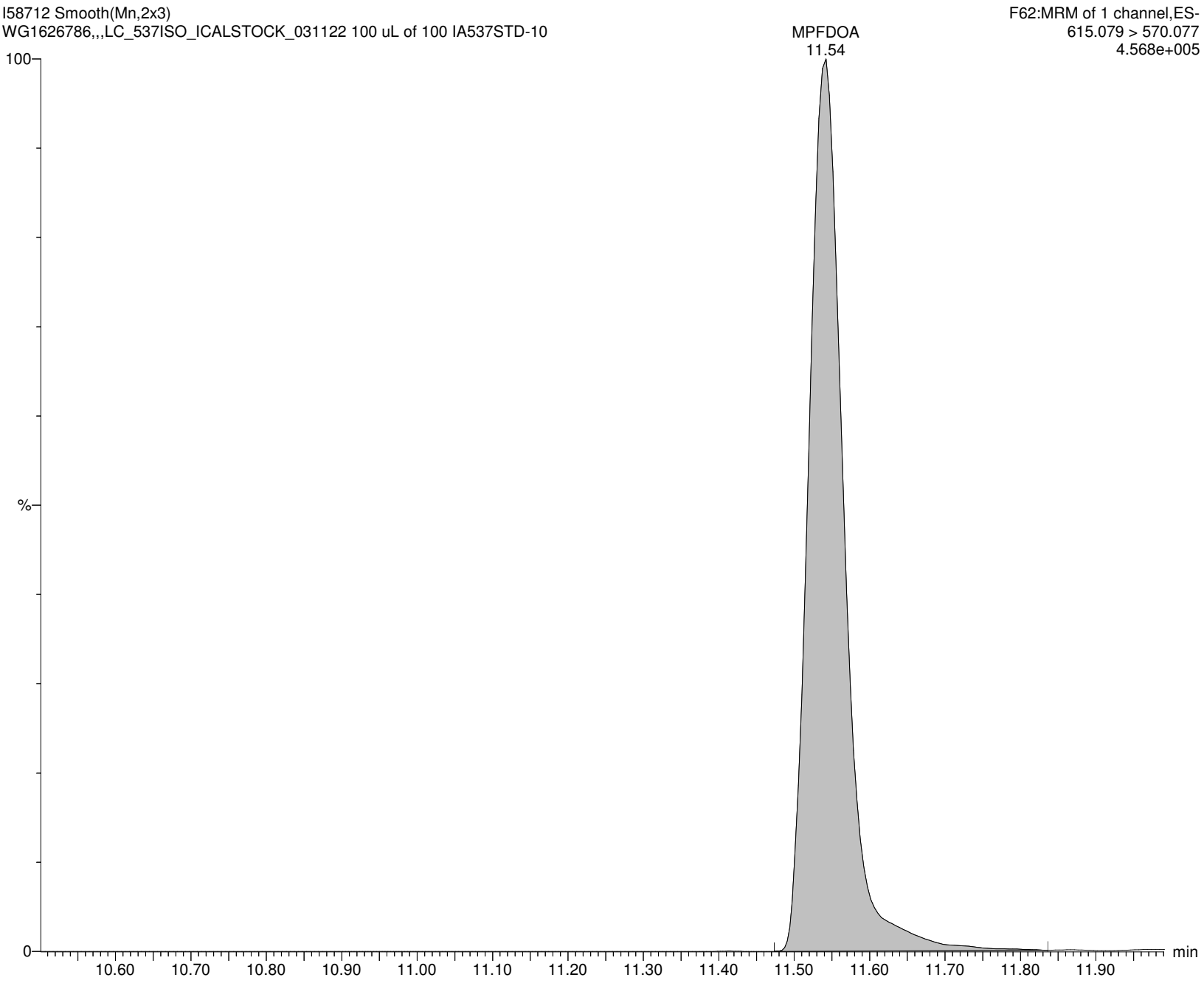


all concentration units in (ng/mL)

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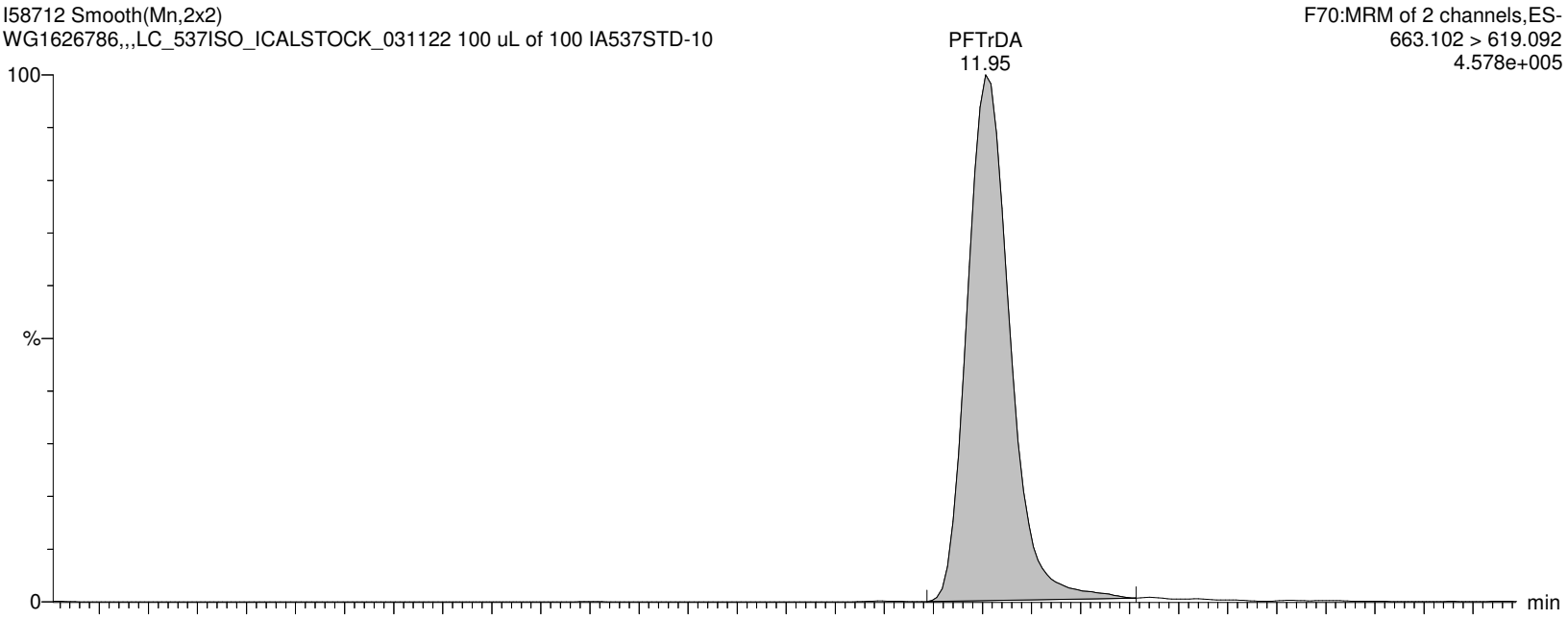


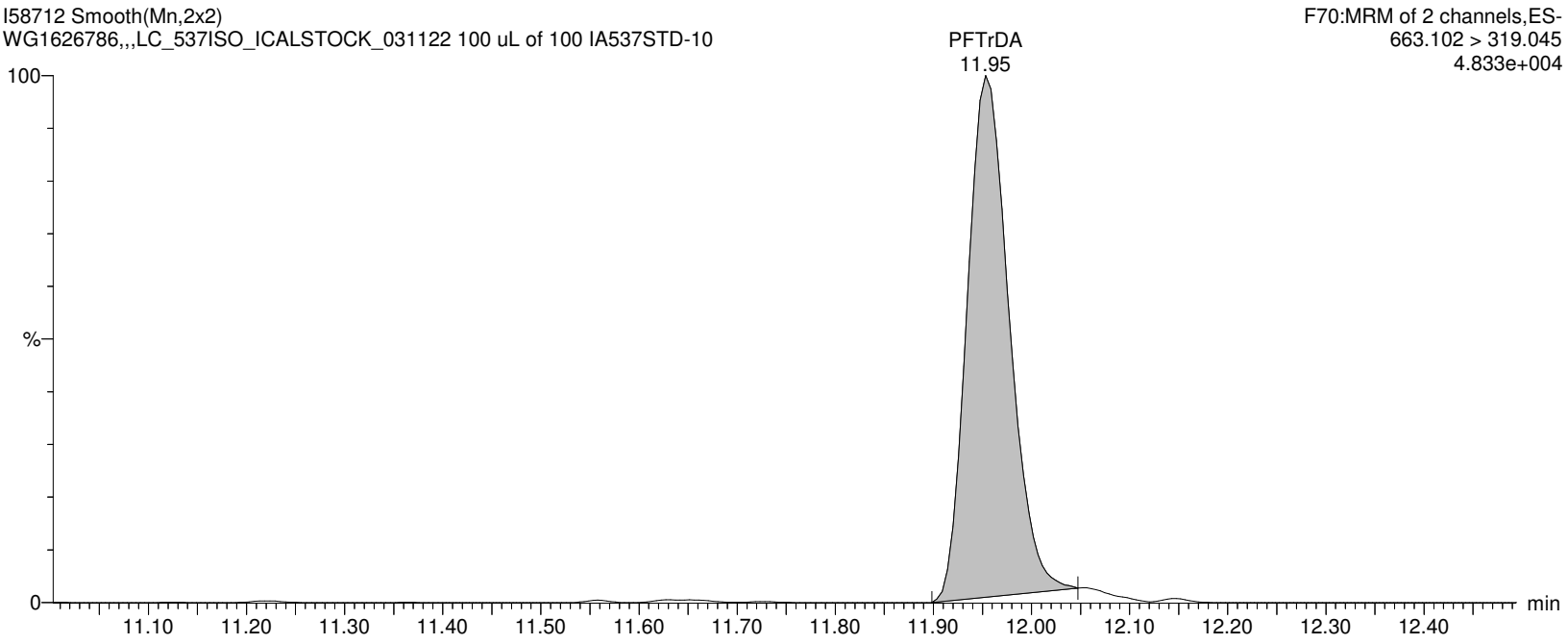
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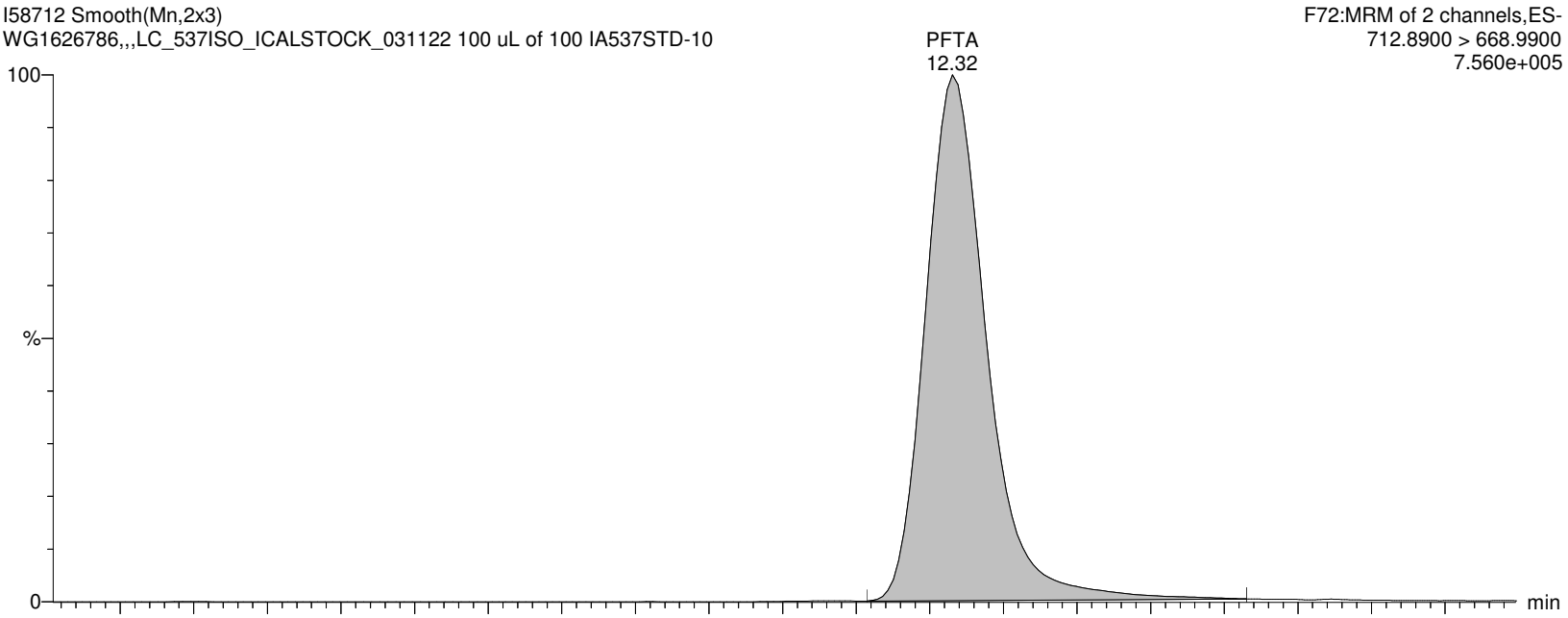


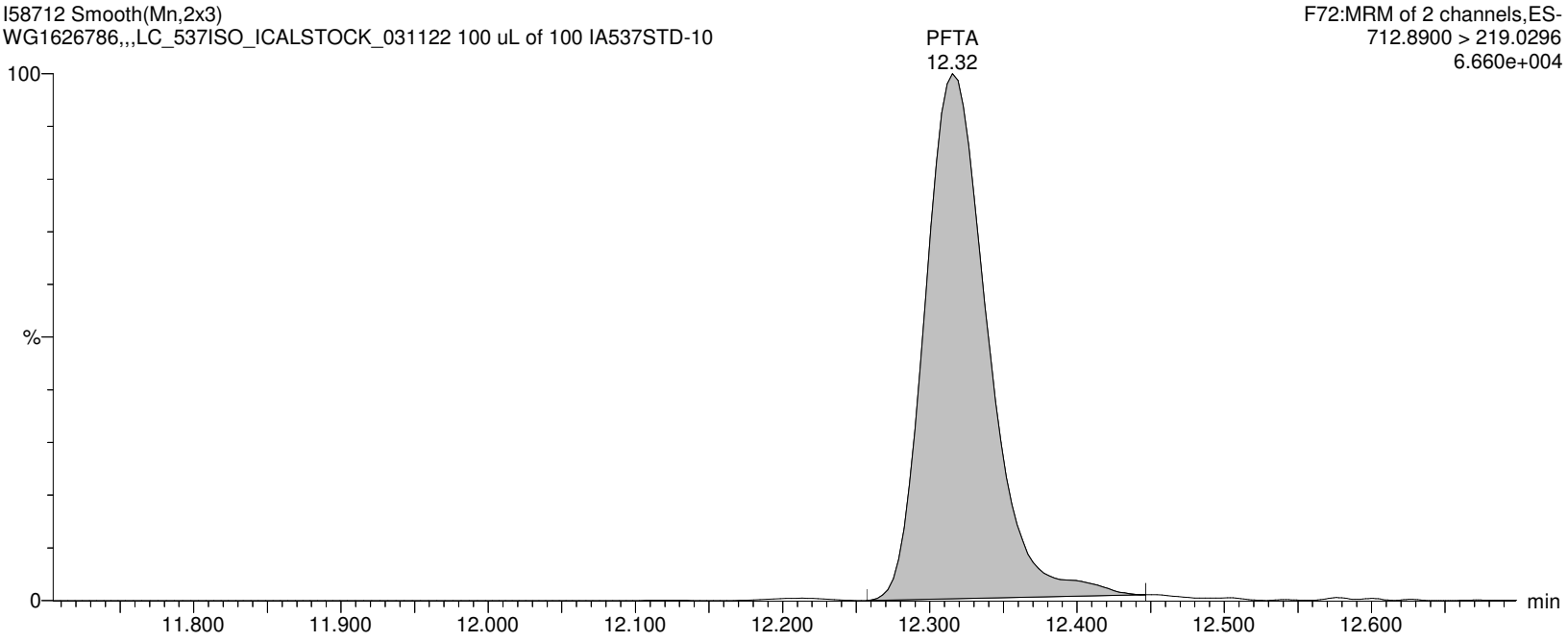
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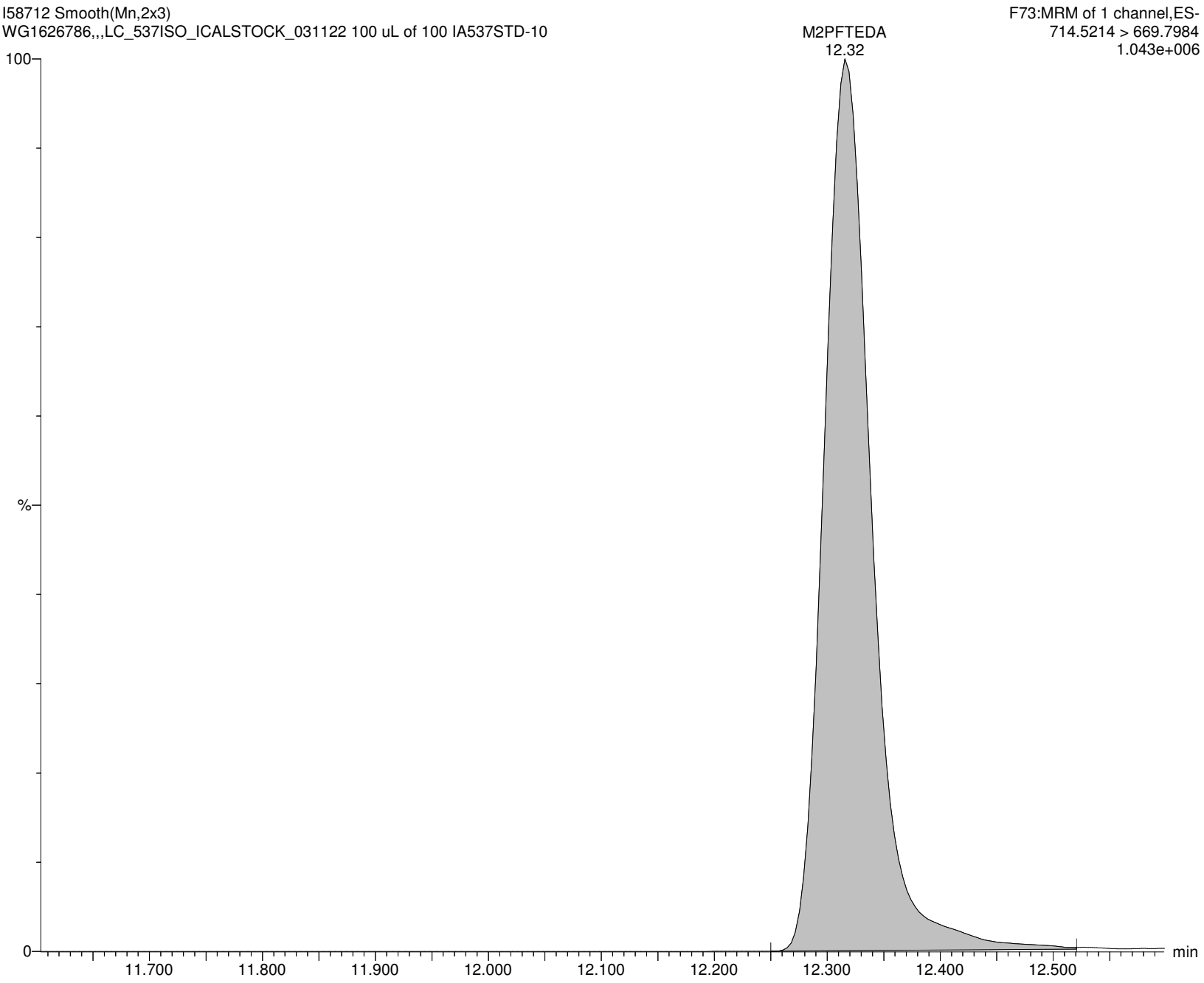


all concentration units in (ng/mL)

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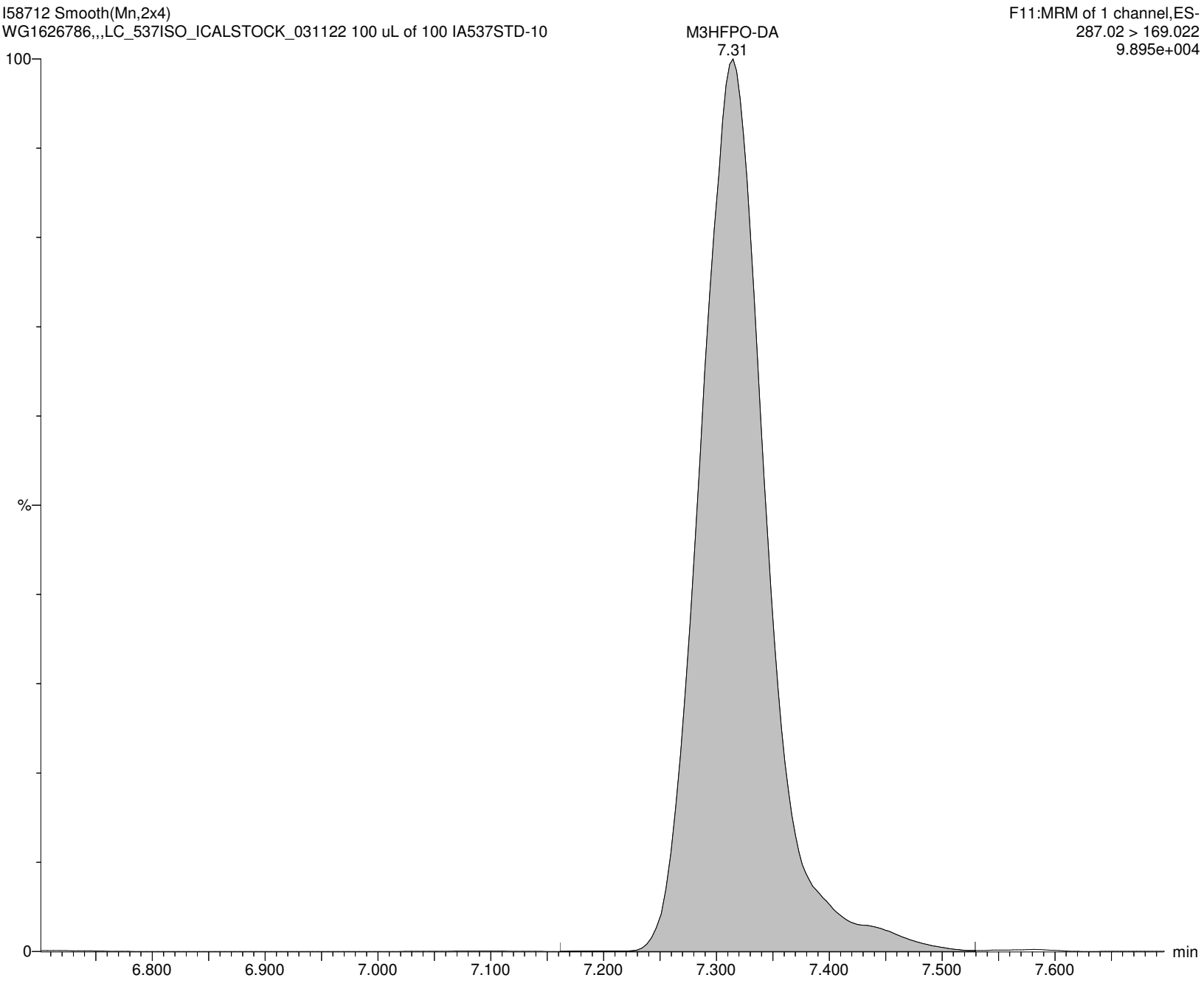


all concentration units in (ng/mL)

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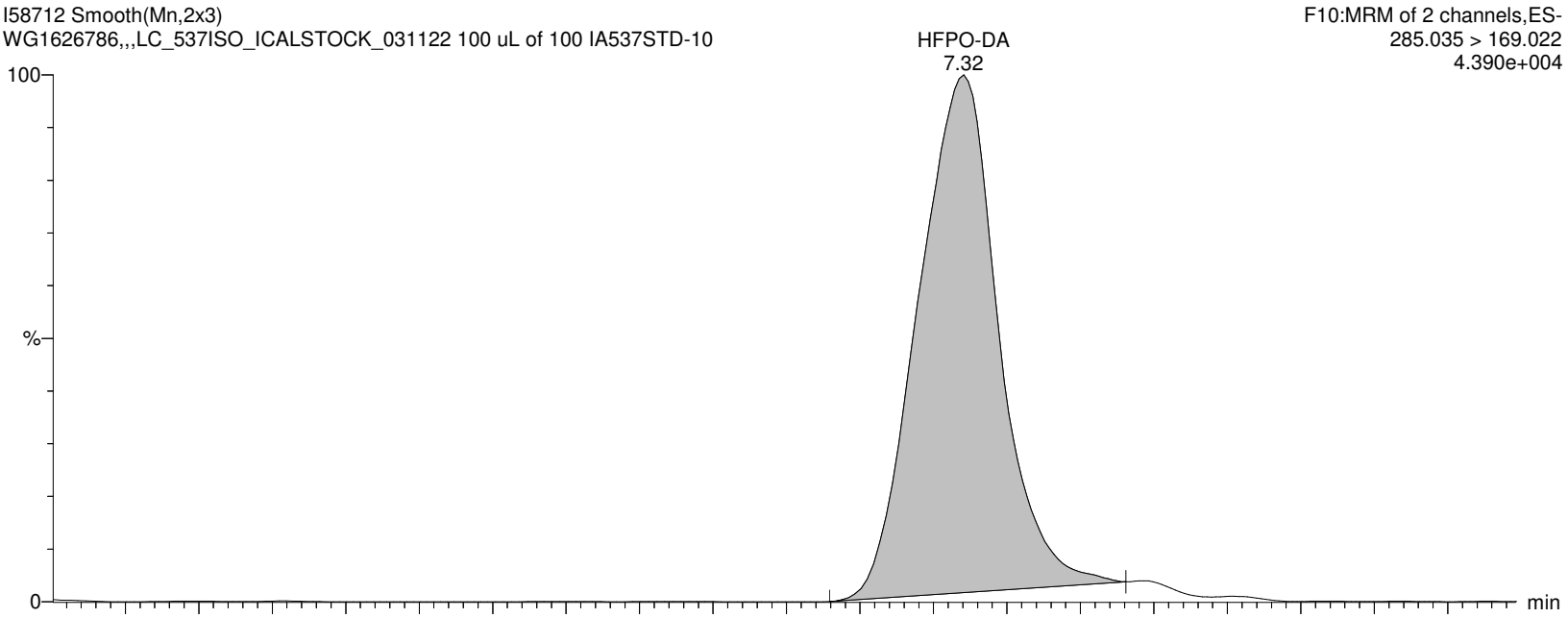


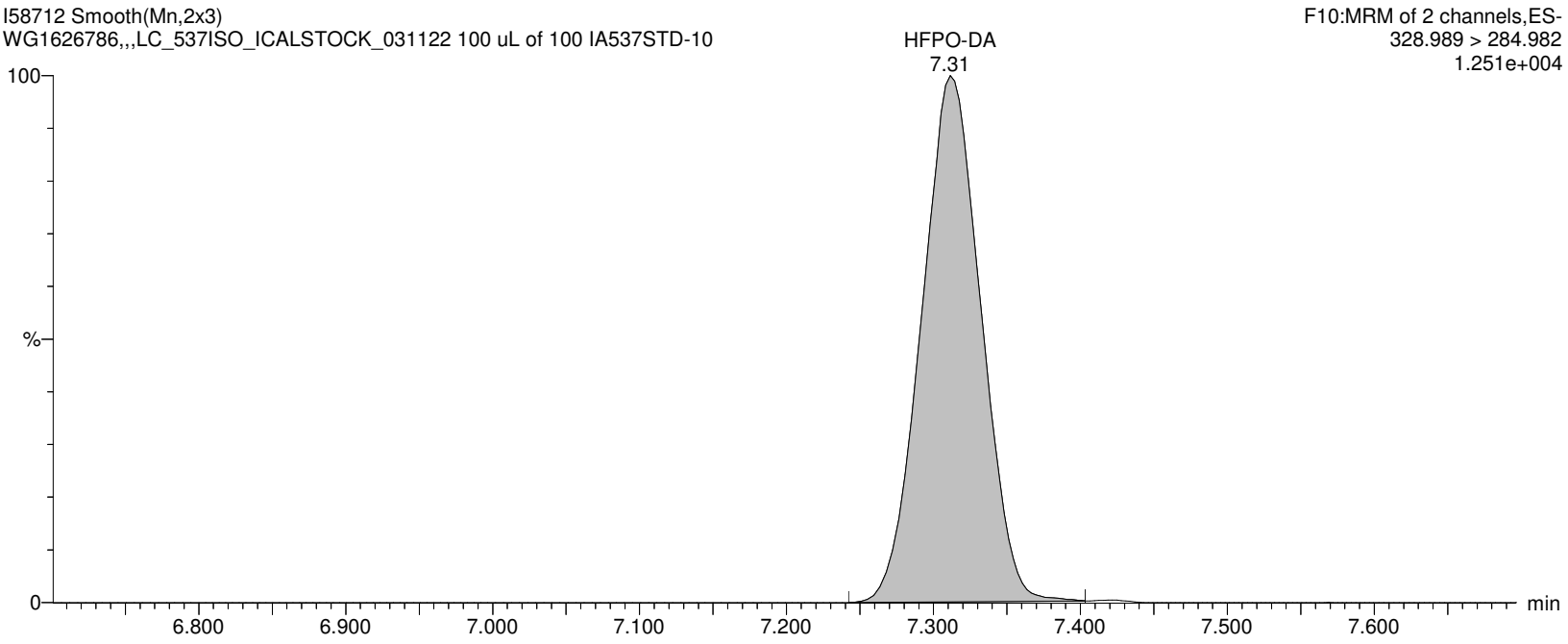
all concentration units in (ng/mL)

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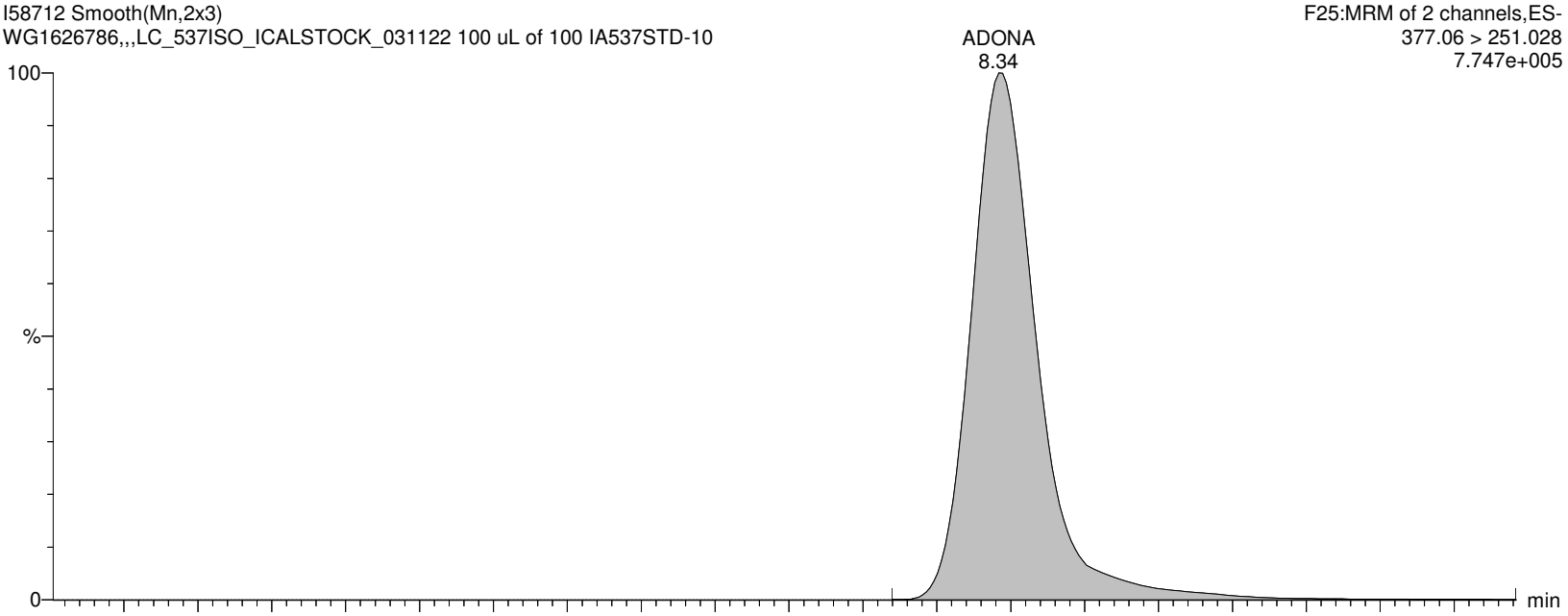


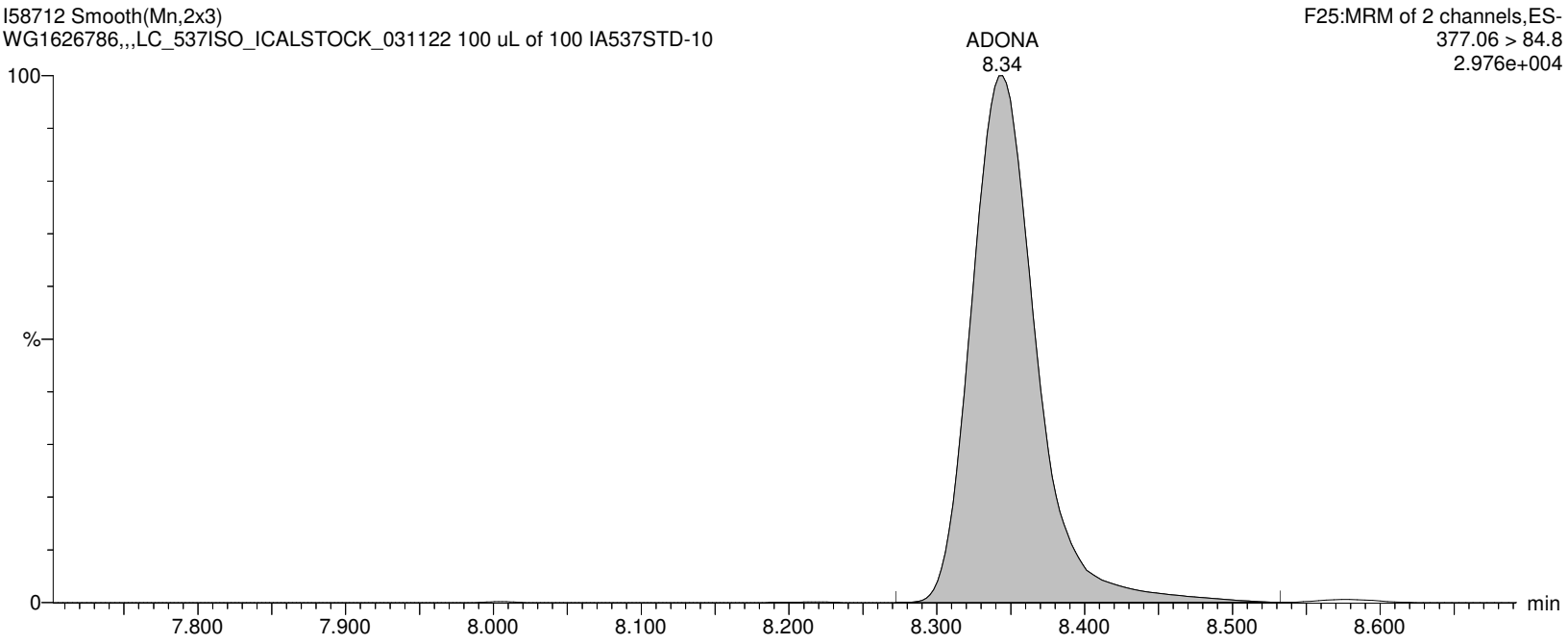
all concentration units in (ng/mL)

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ADONA



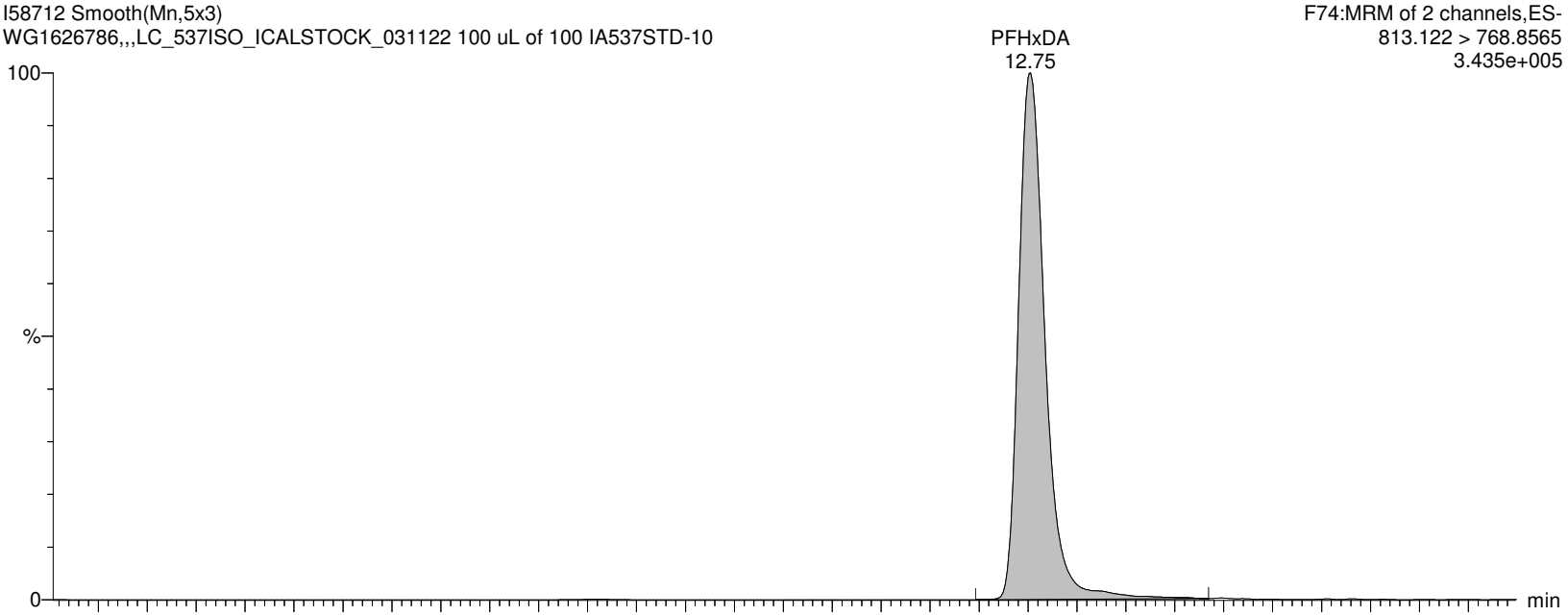


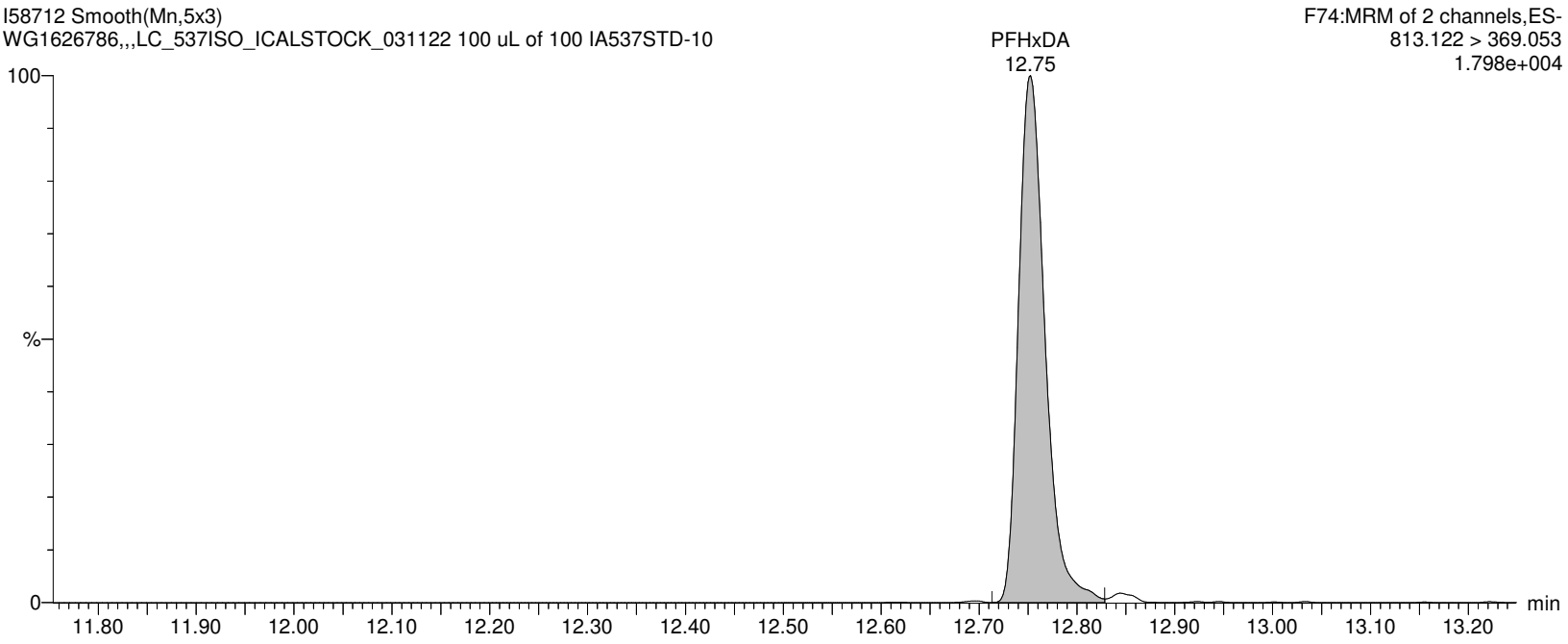
all concentration units in (ng/mL)

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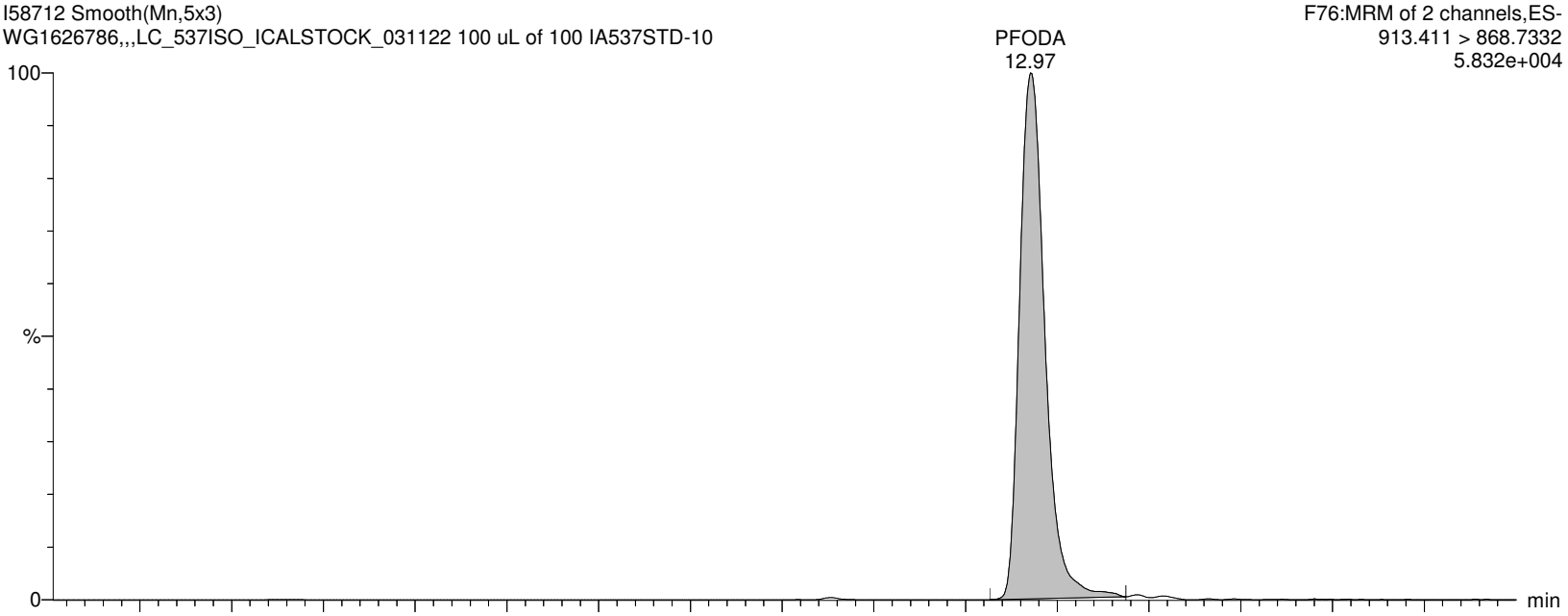


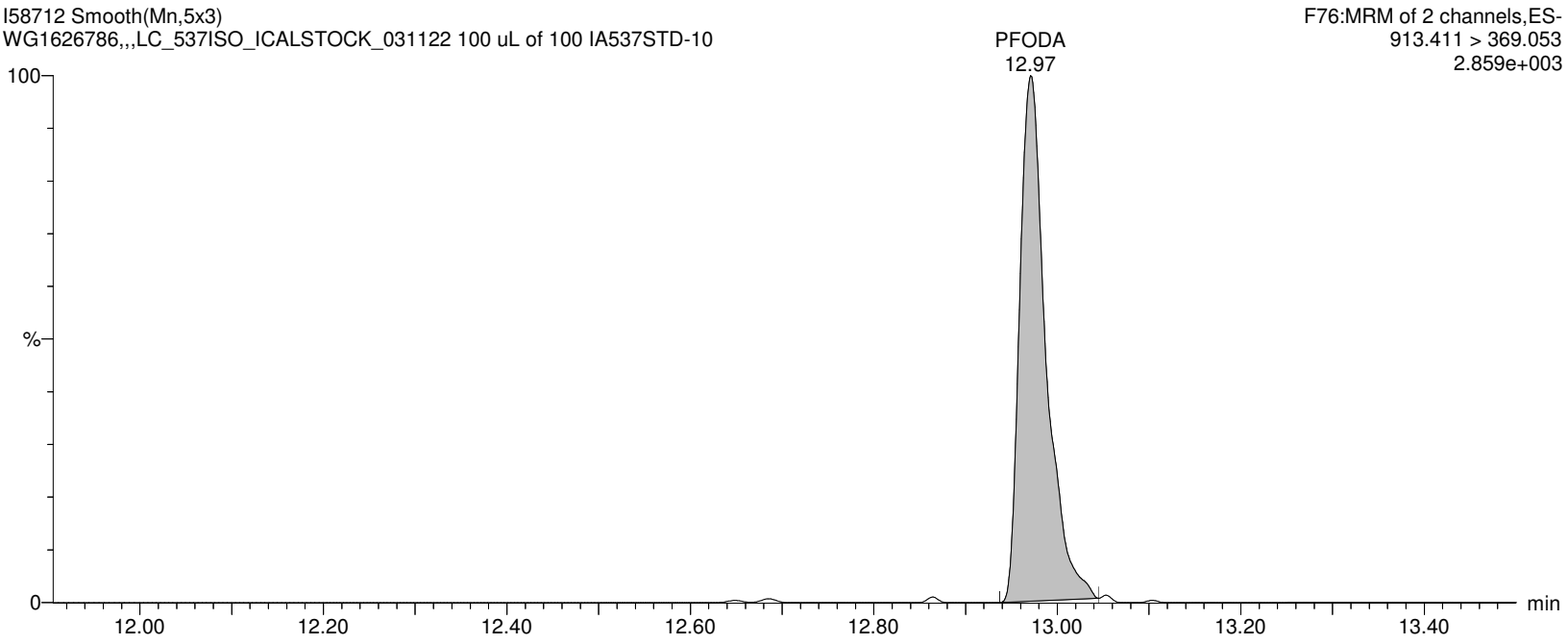
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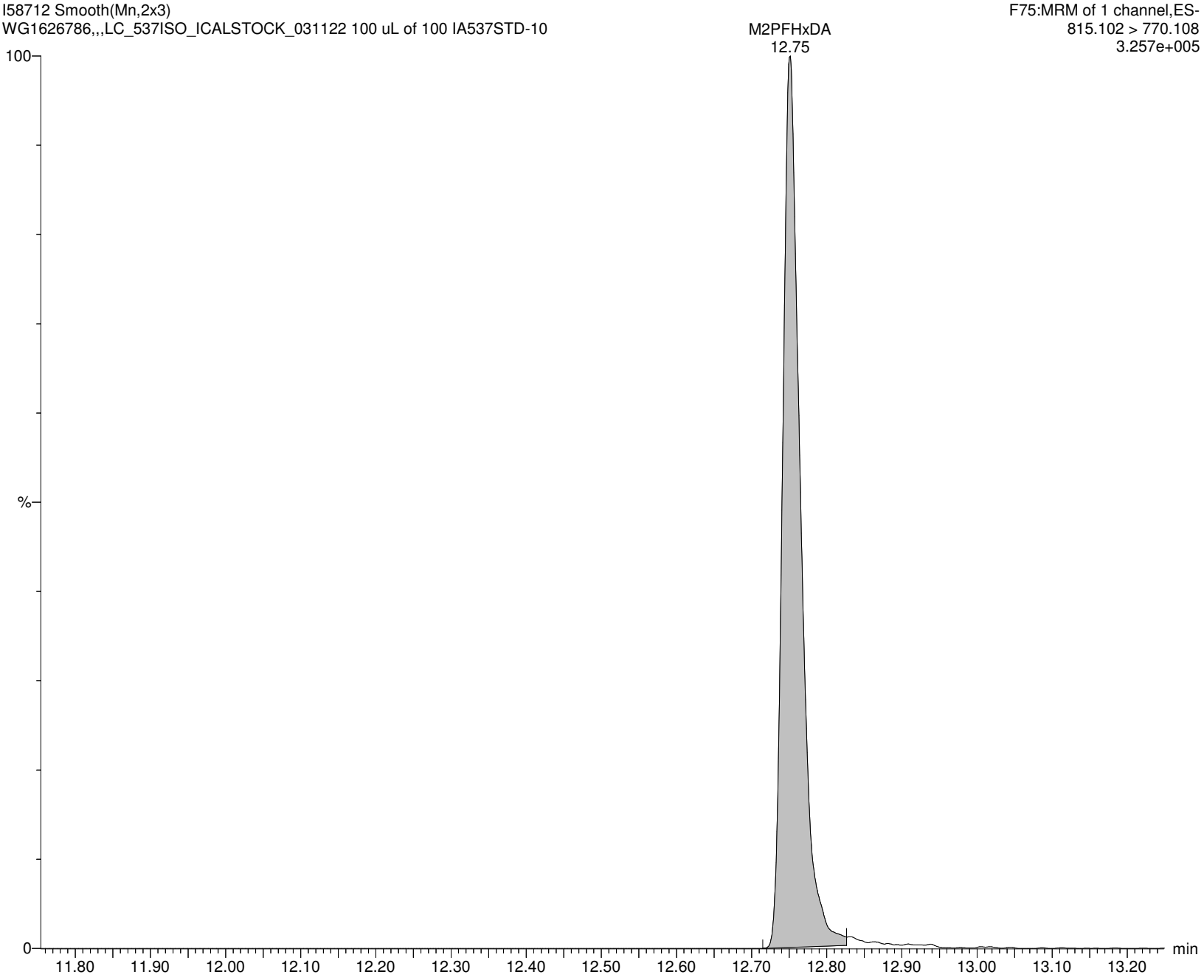


all concentration units in (ng/mL)

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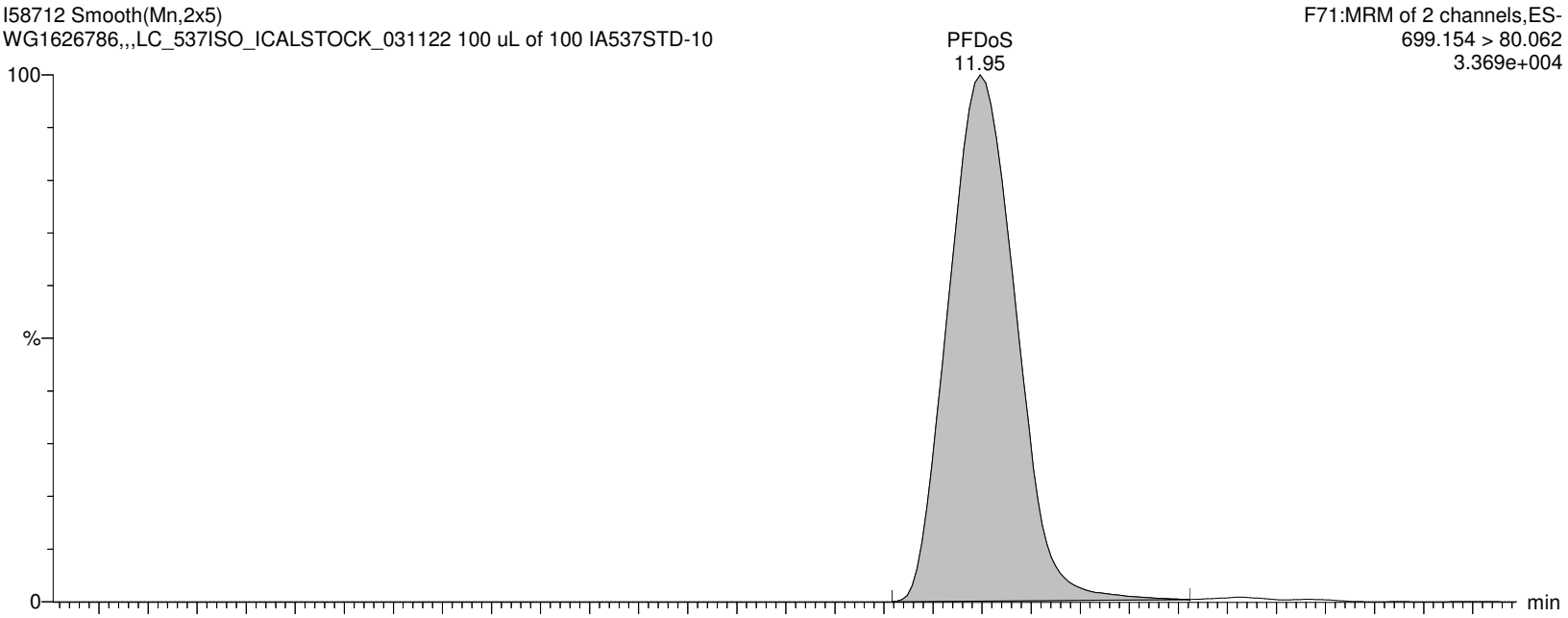


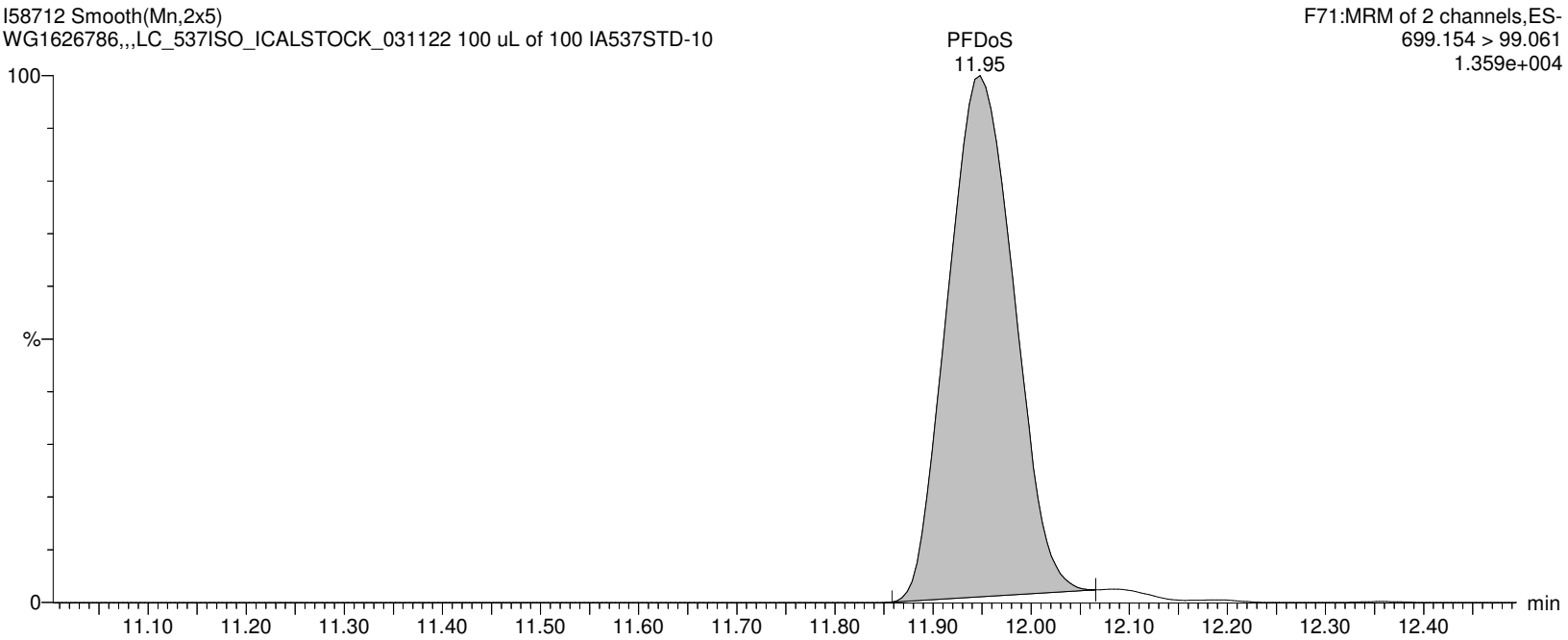
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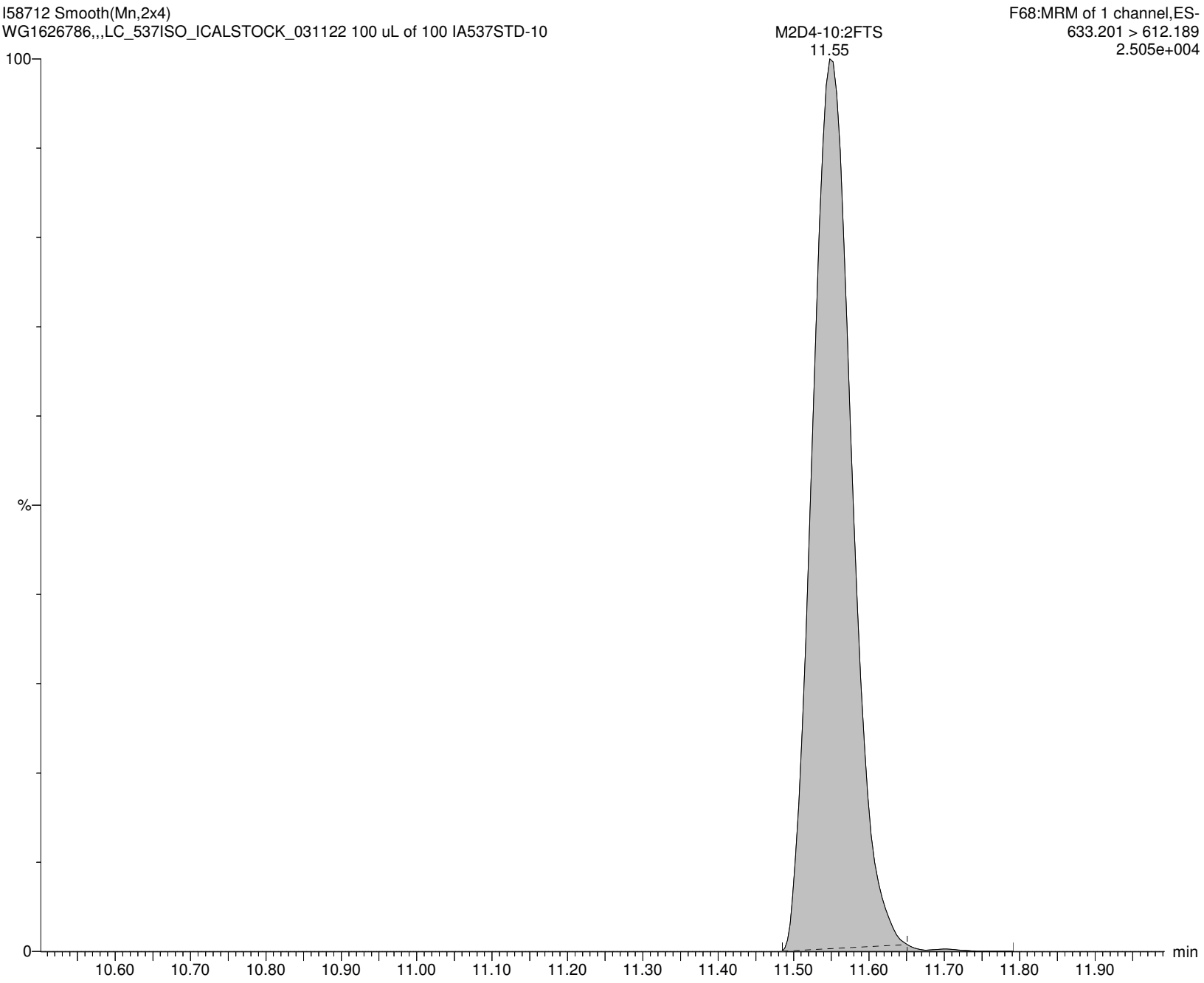


all concentration units in (ng/mL)

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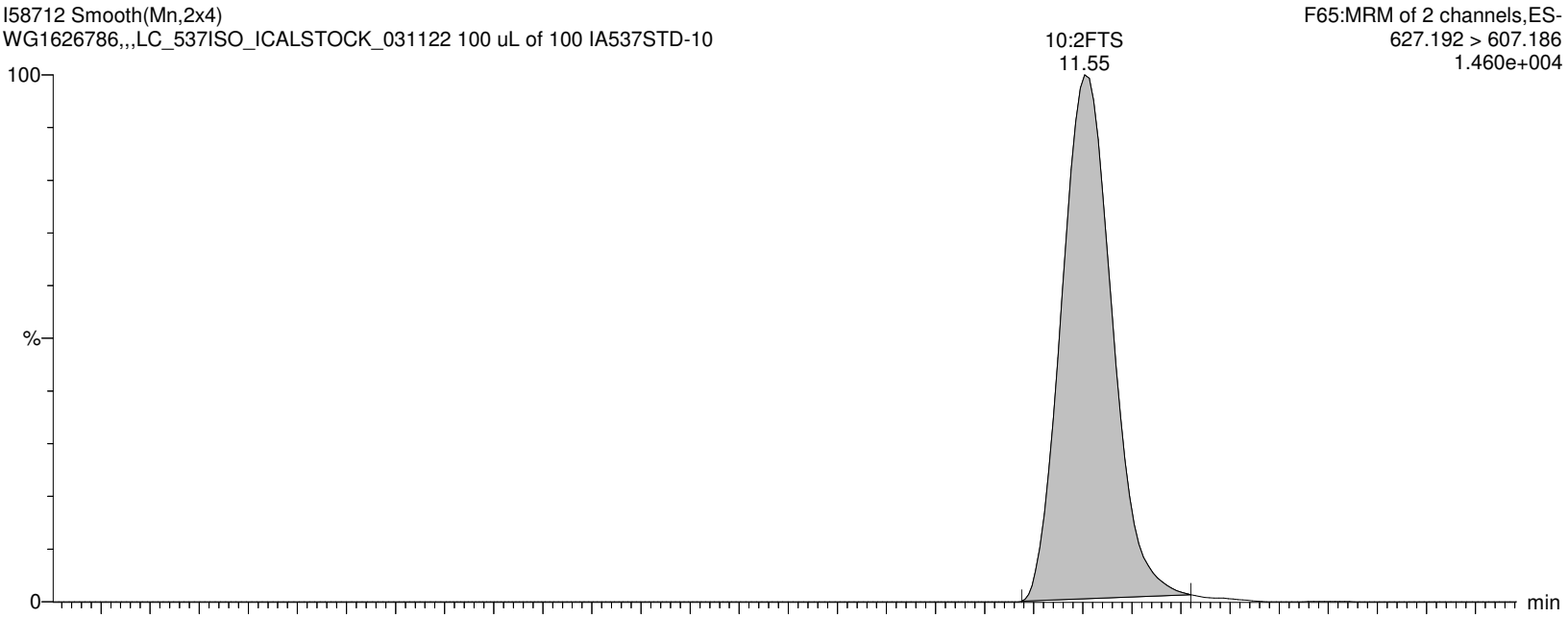


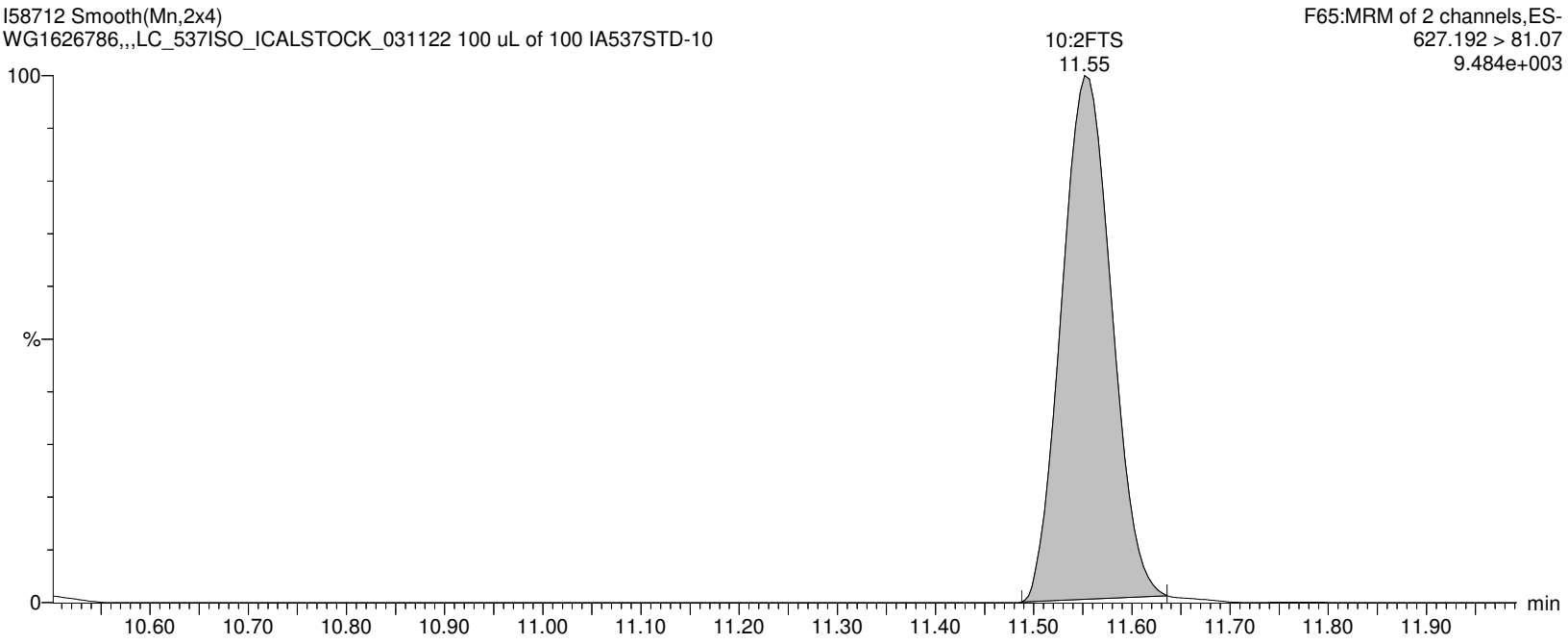
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10:2FTS



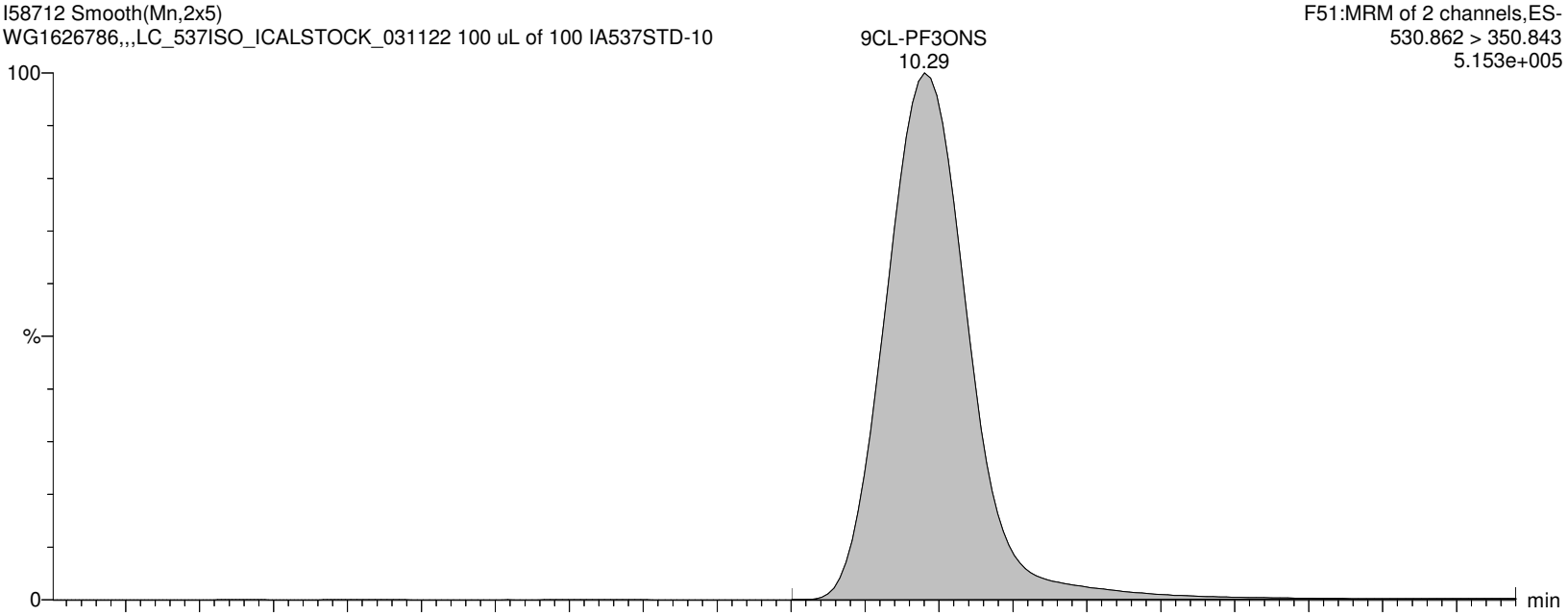


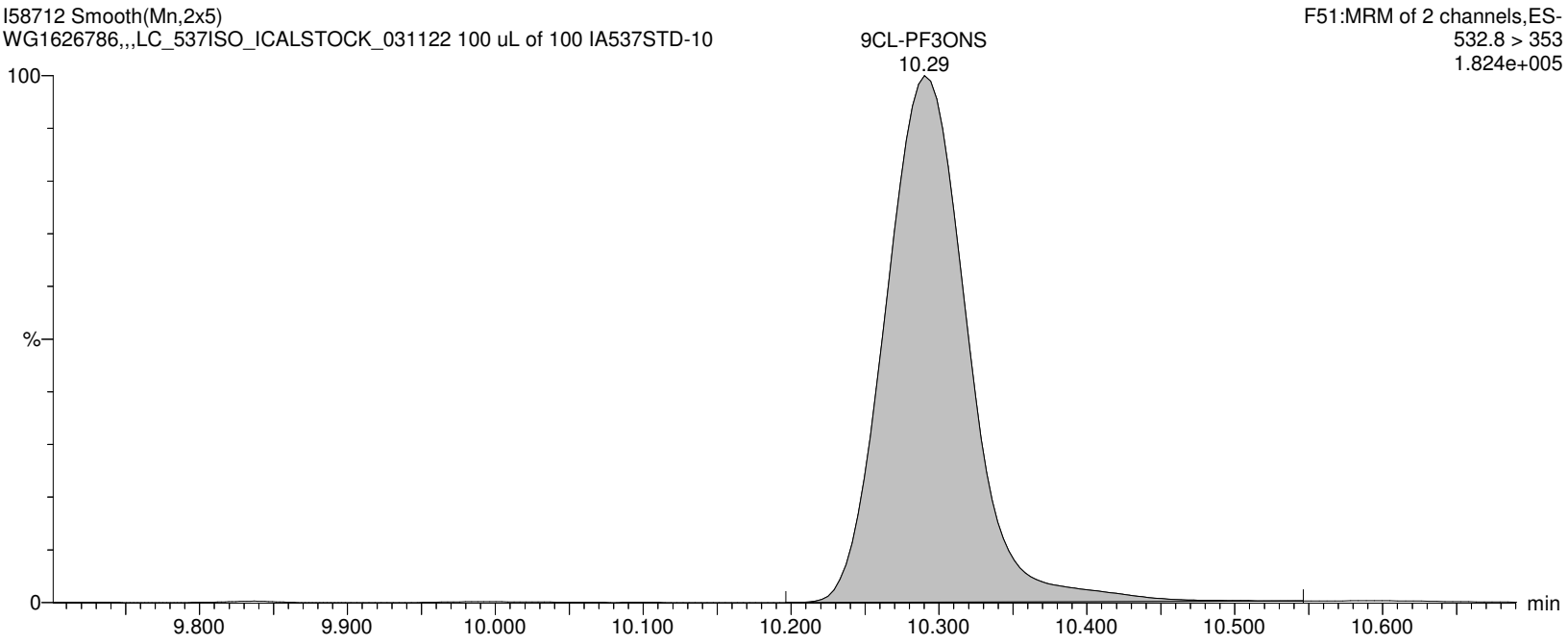
all concentration units in (ng/mL)

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9CL-PF3ONS



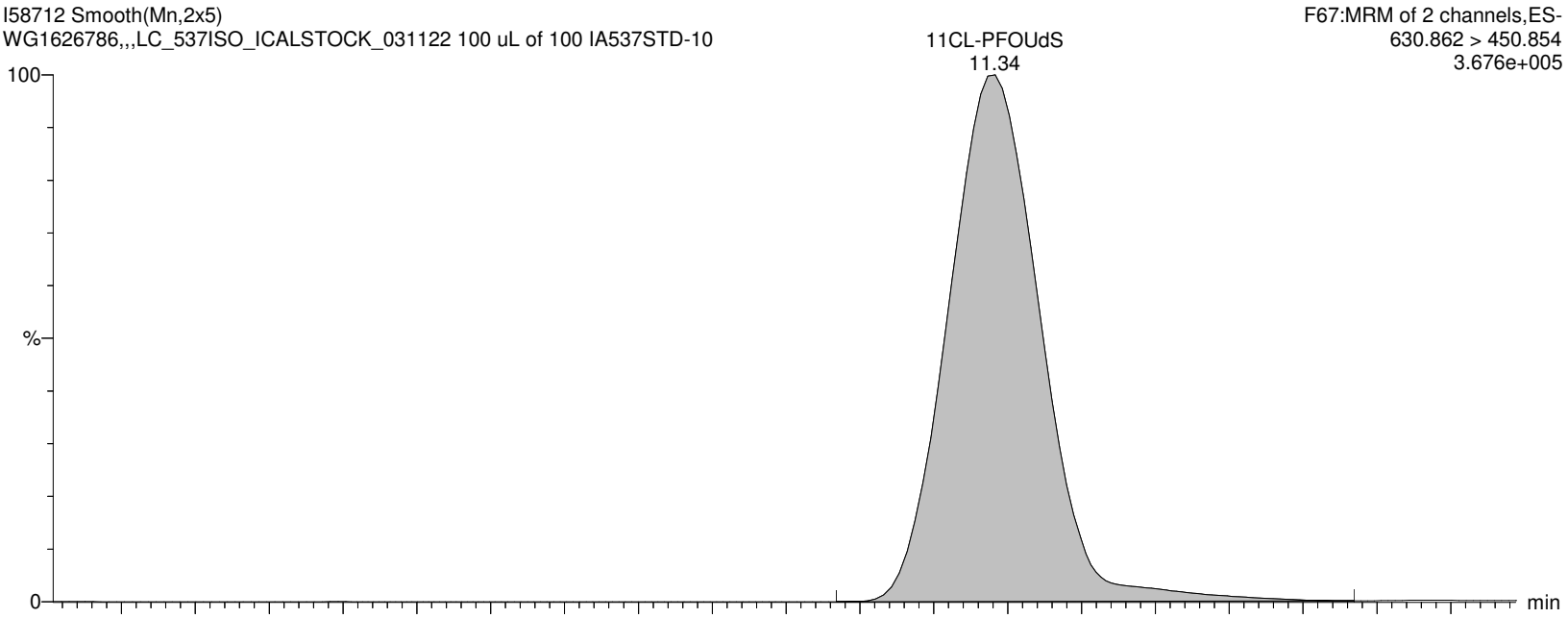


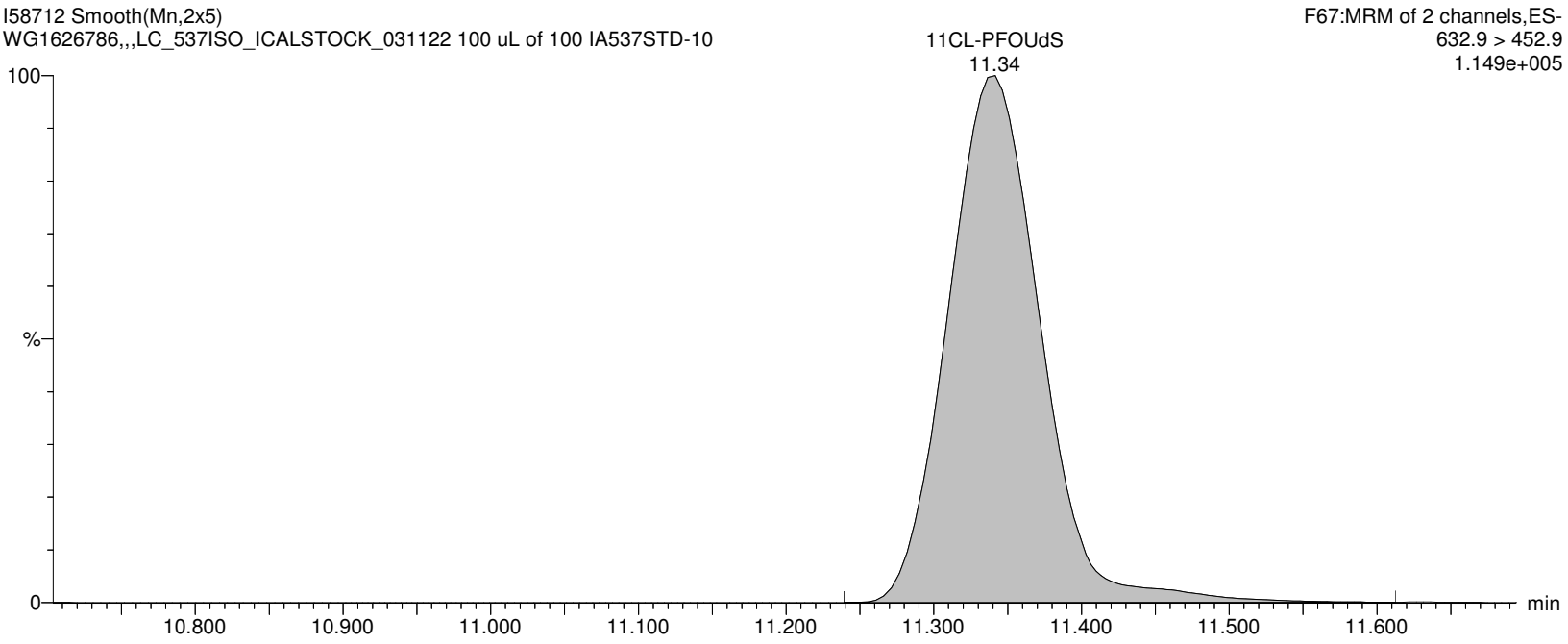
all concentration units in (ng/mL)

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Time: 17:22:56
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Vial: 1:A,6
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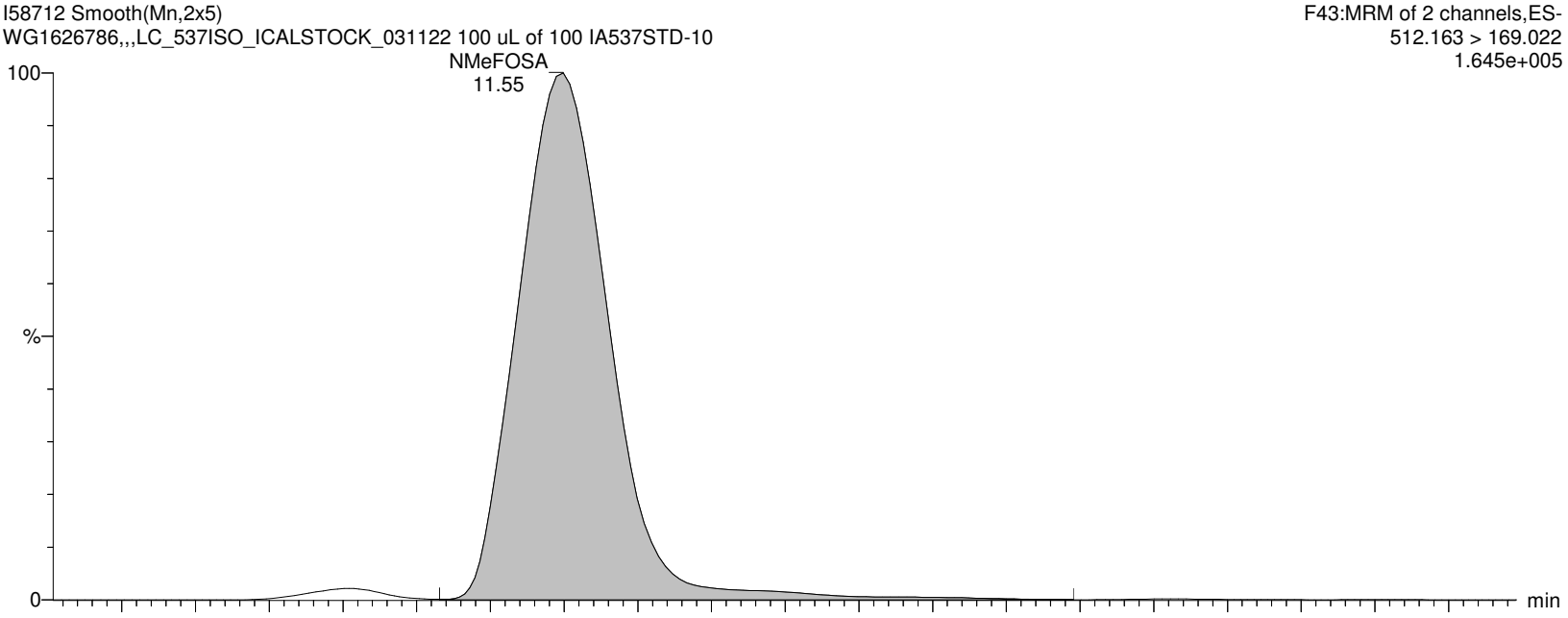


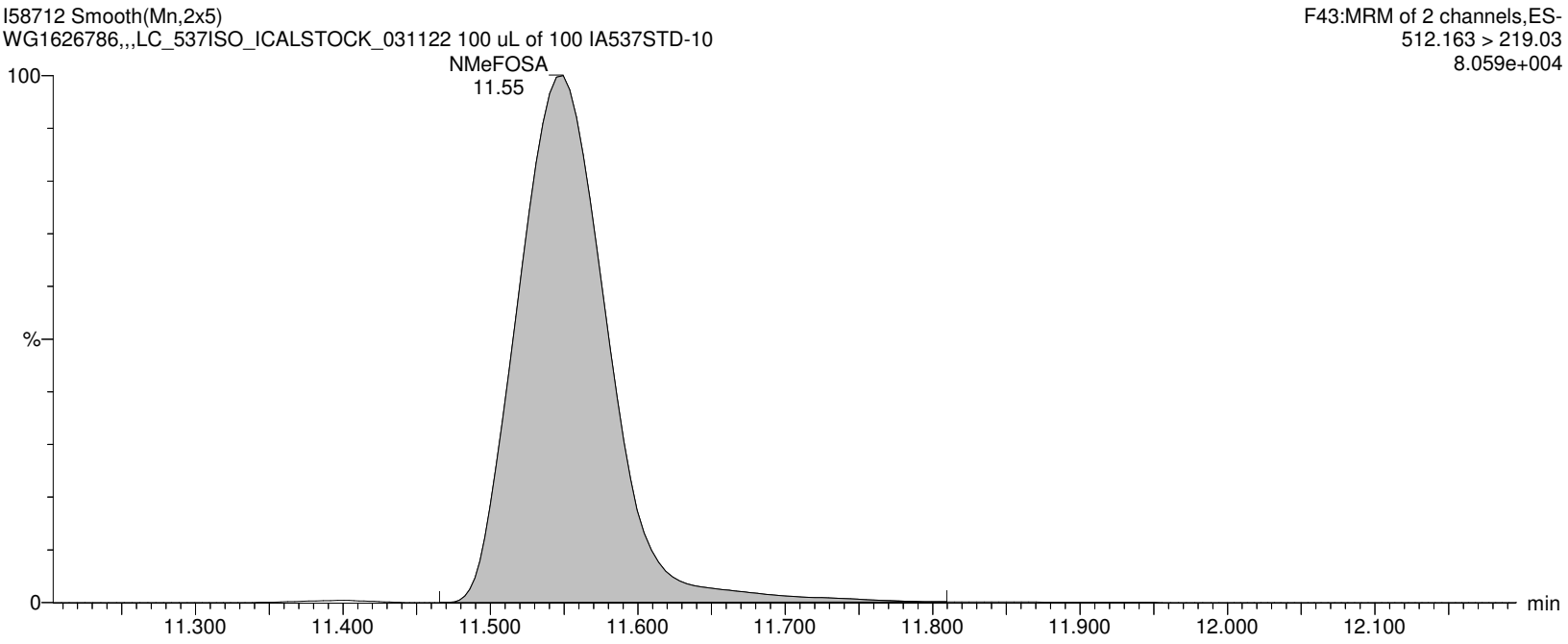
all concentration units in (ng/mL)

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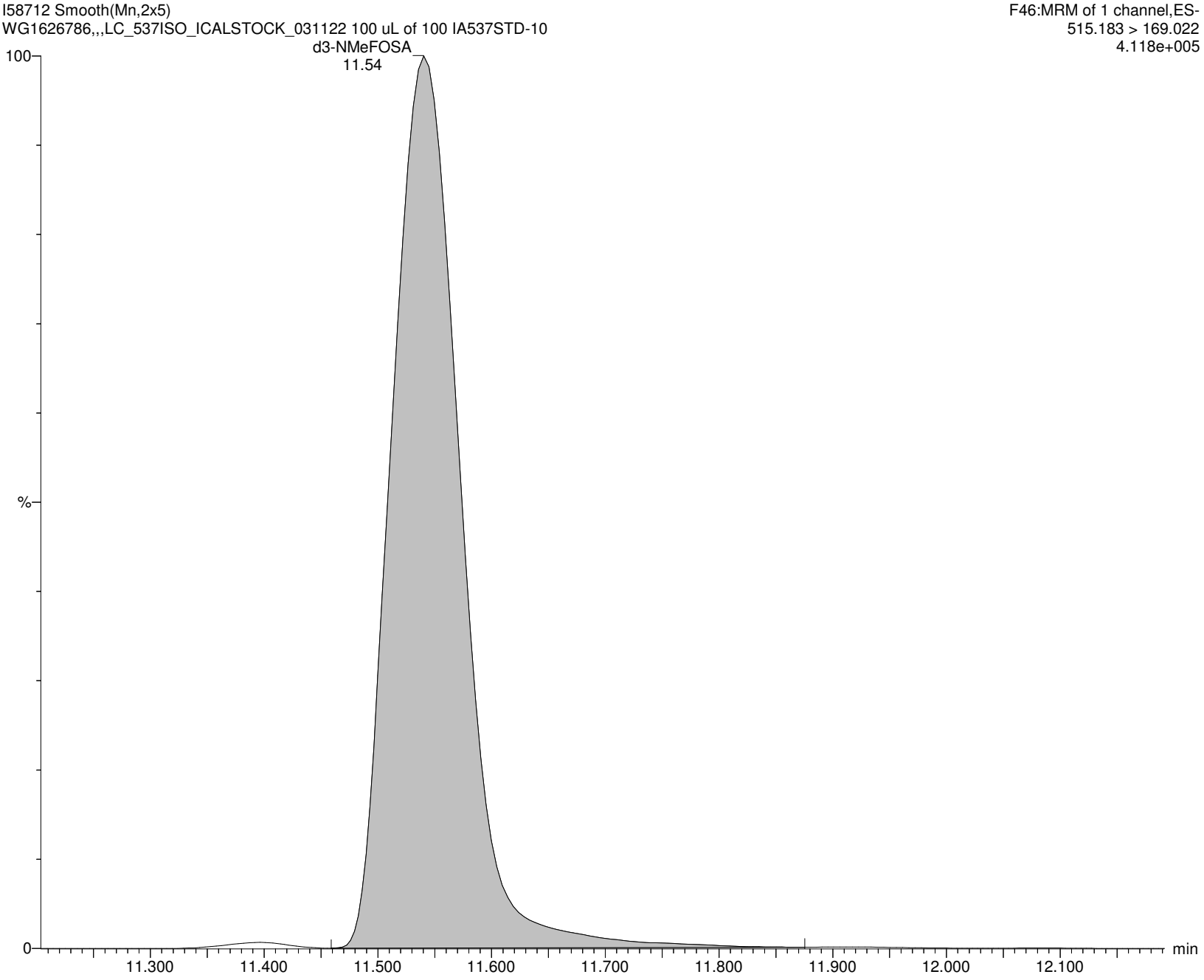


all concentration units in (ng/mL)

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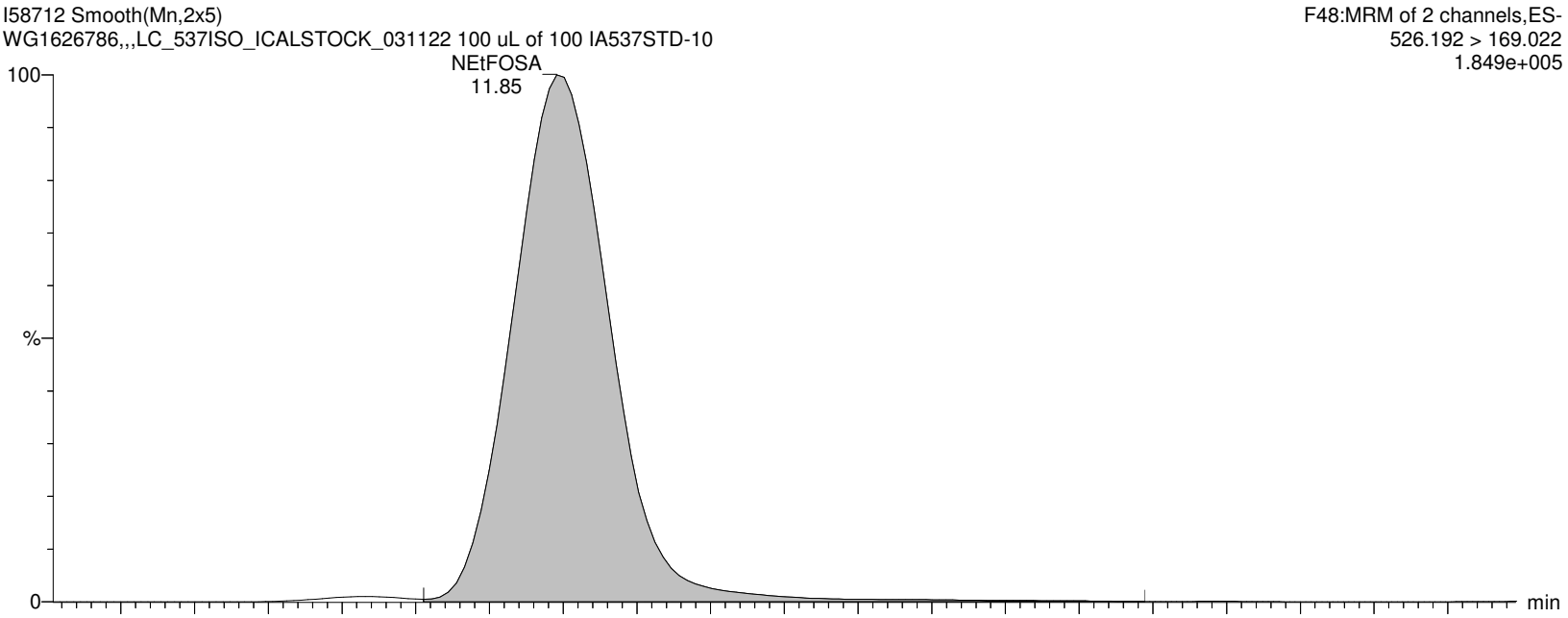


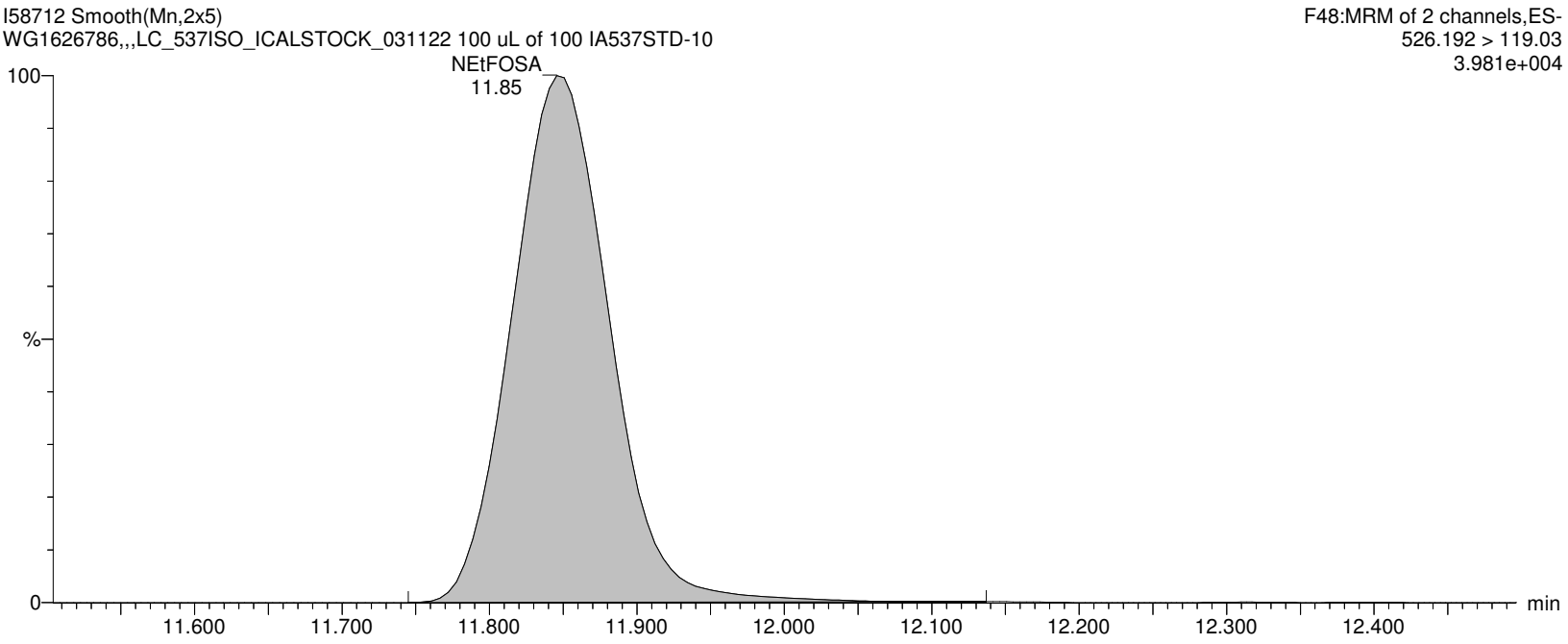
all concentration units in (ng/mL)

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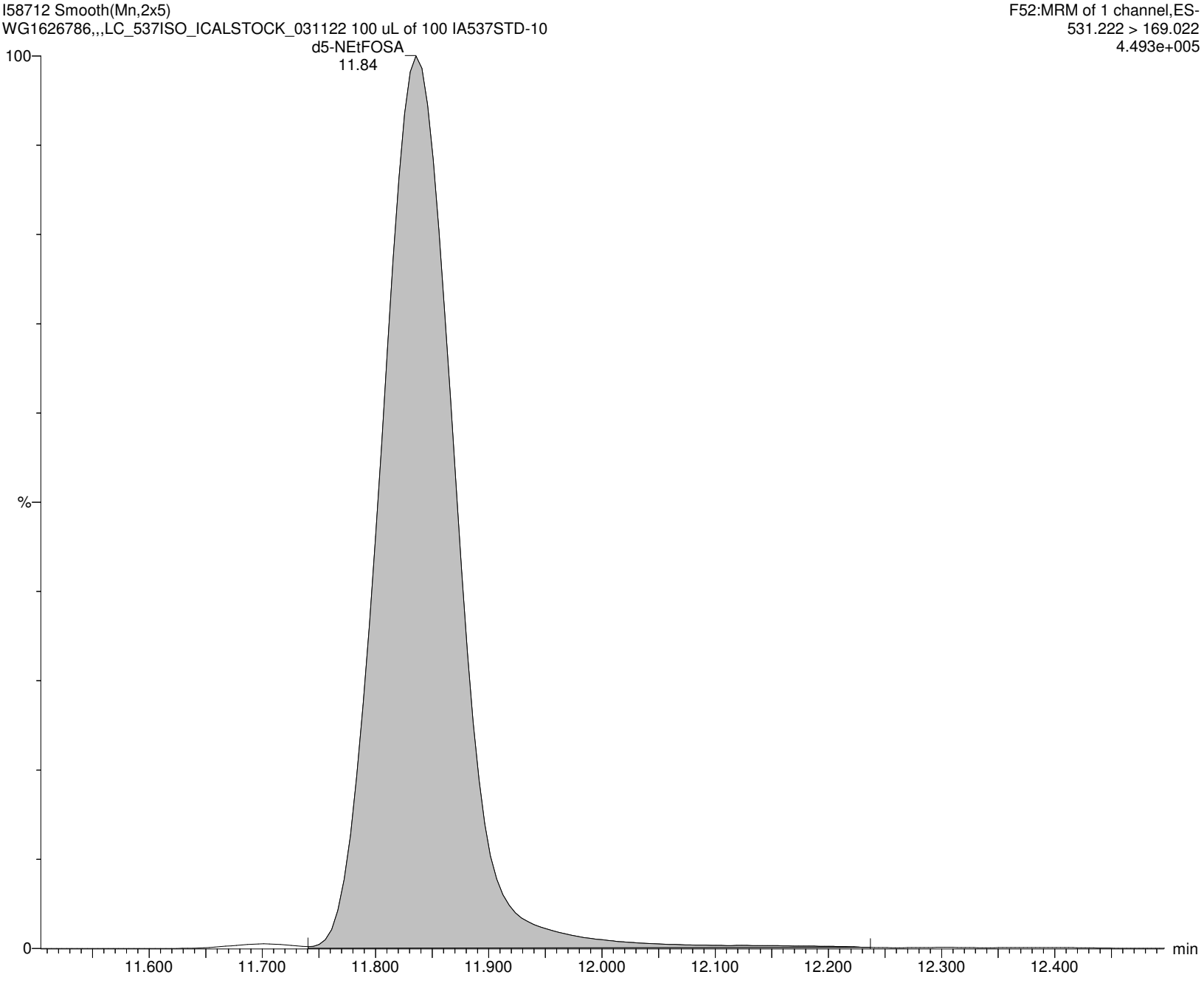


all concentration units in (ng/mL)

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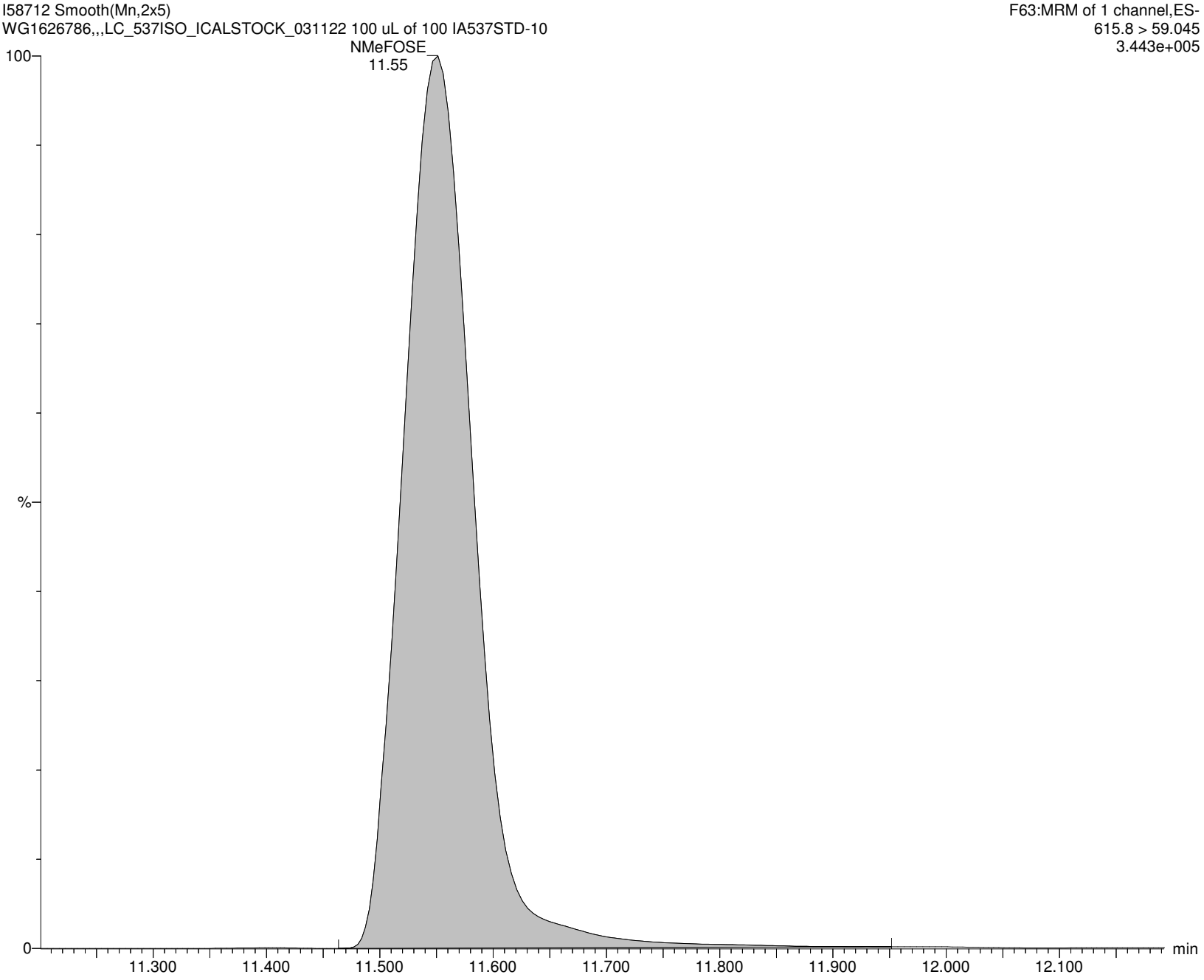


all concentration units in (ng/mL)

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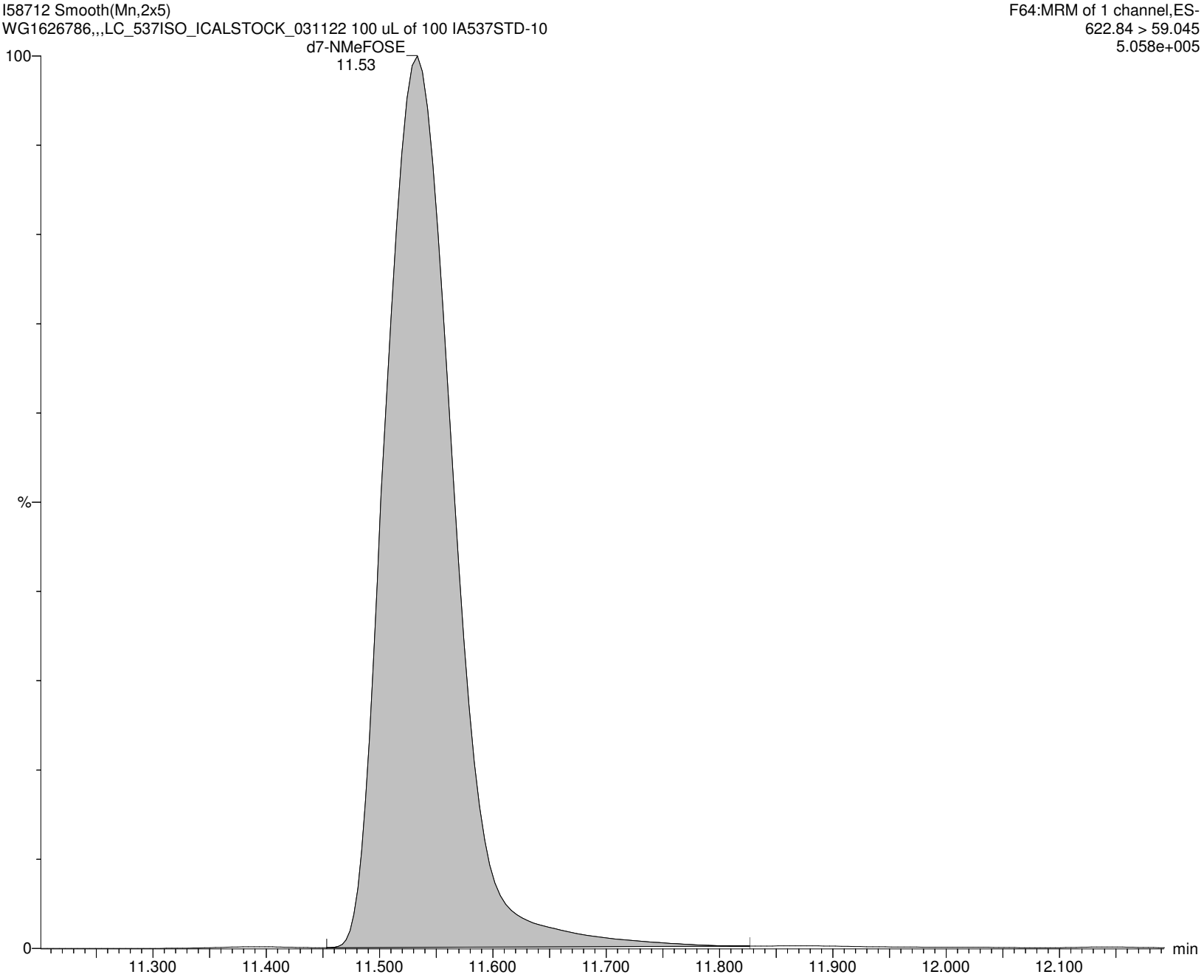


all concentration units in (ng/mL)

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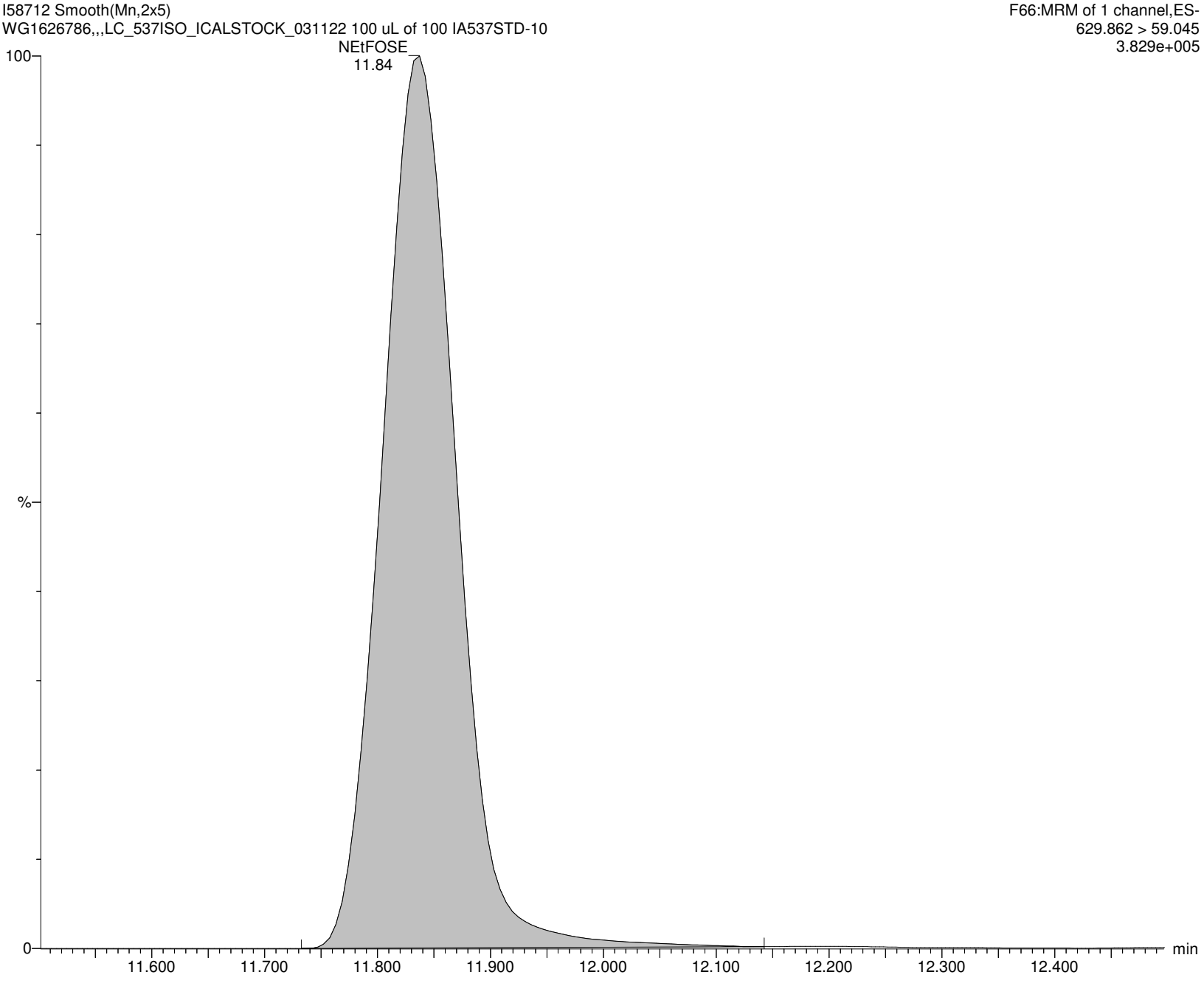


all concentration units in (ng/mL)

Alpha Analytical Inc.
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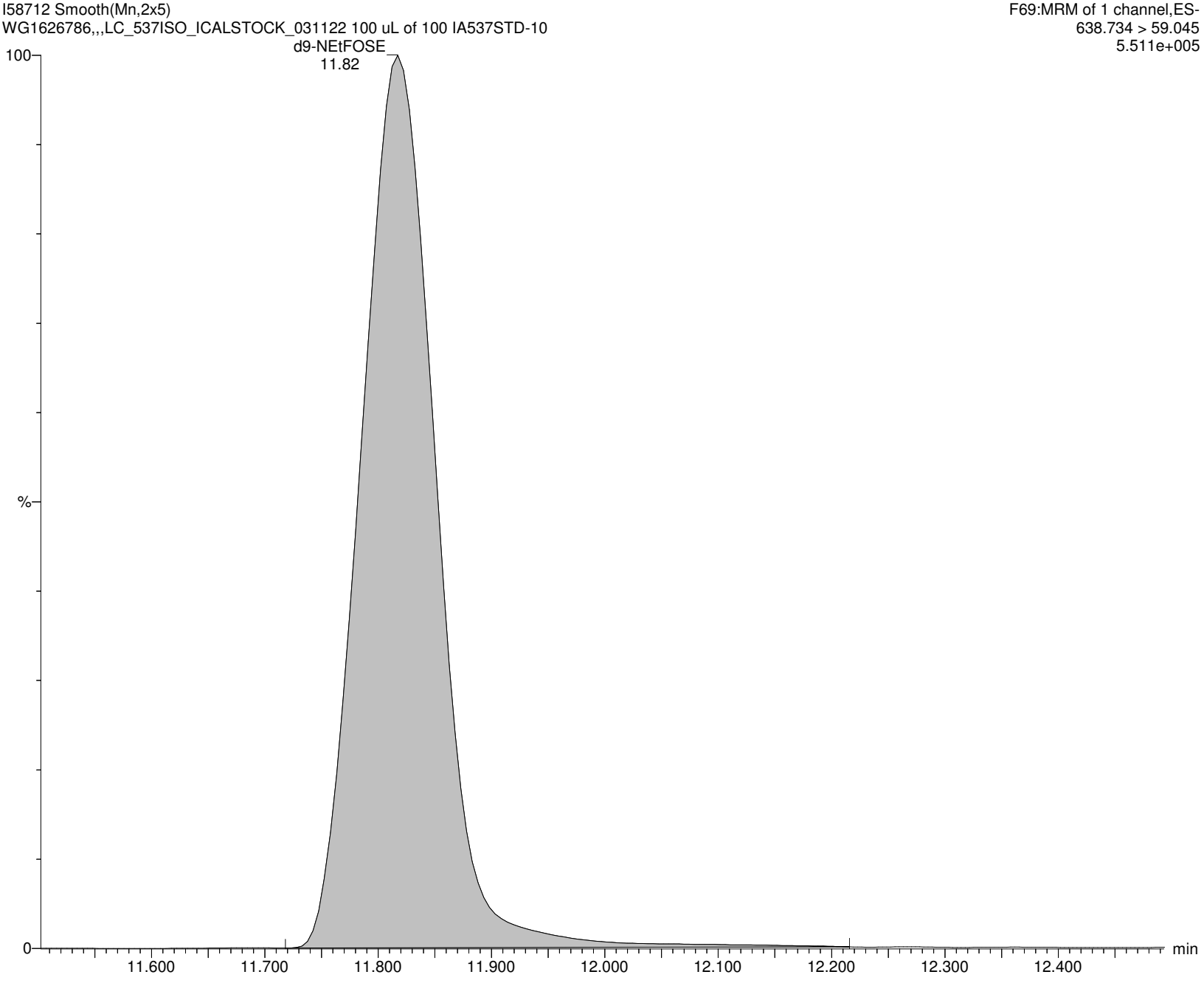


all concentration units in (ng/mL)

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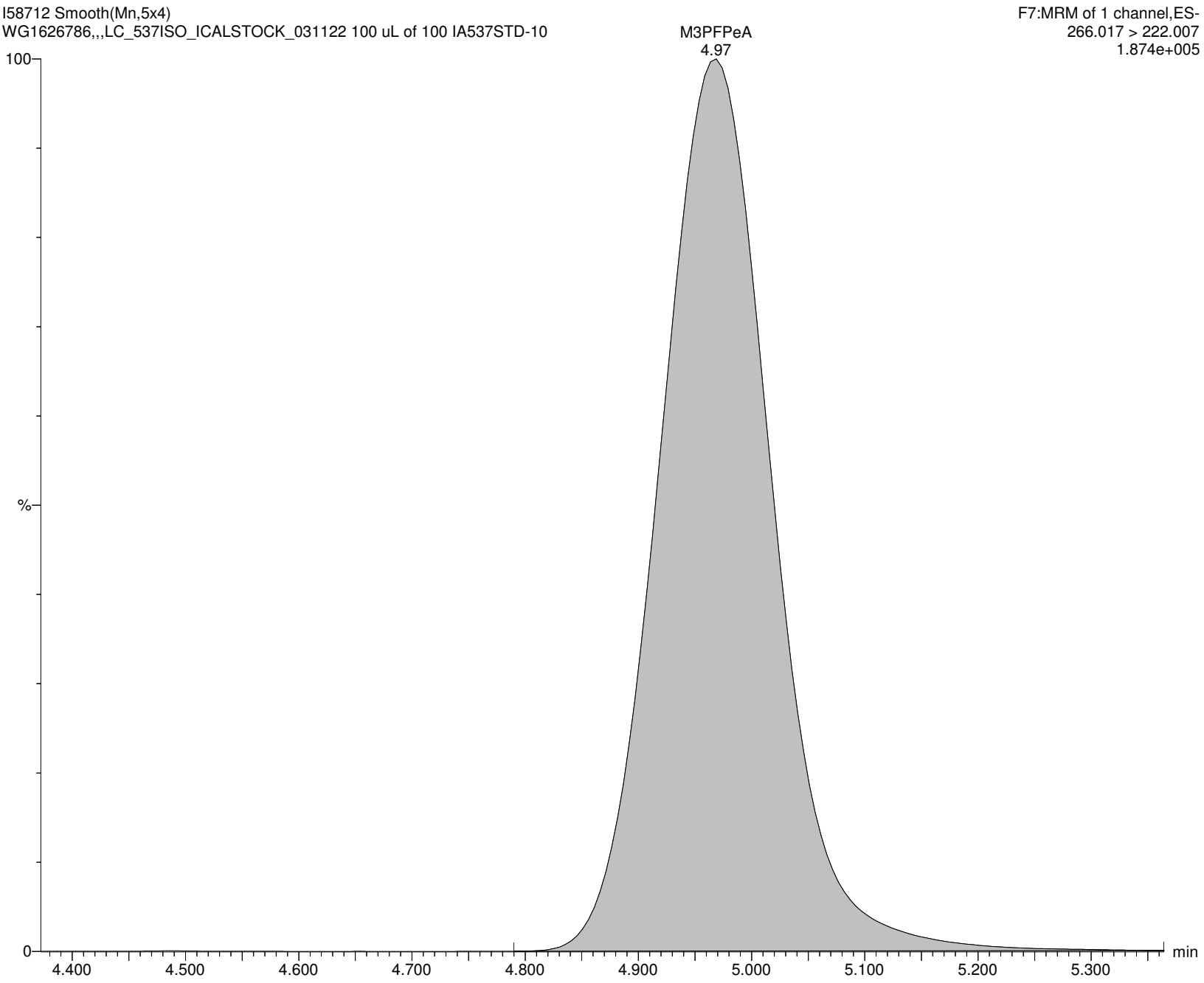


all concentration units in (ng/mL)

Alpha Analytical Inc.
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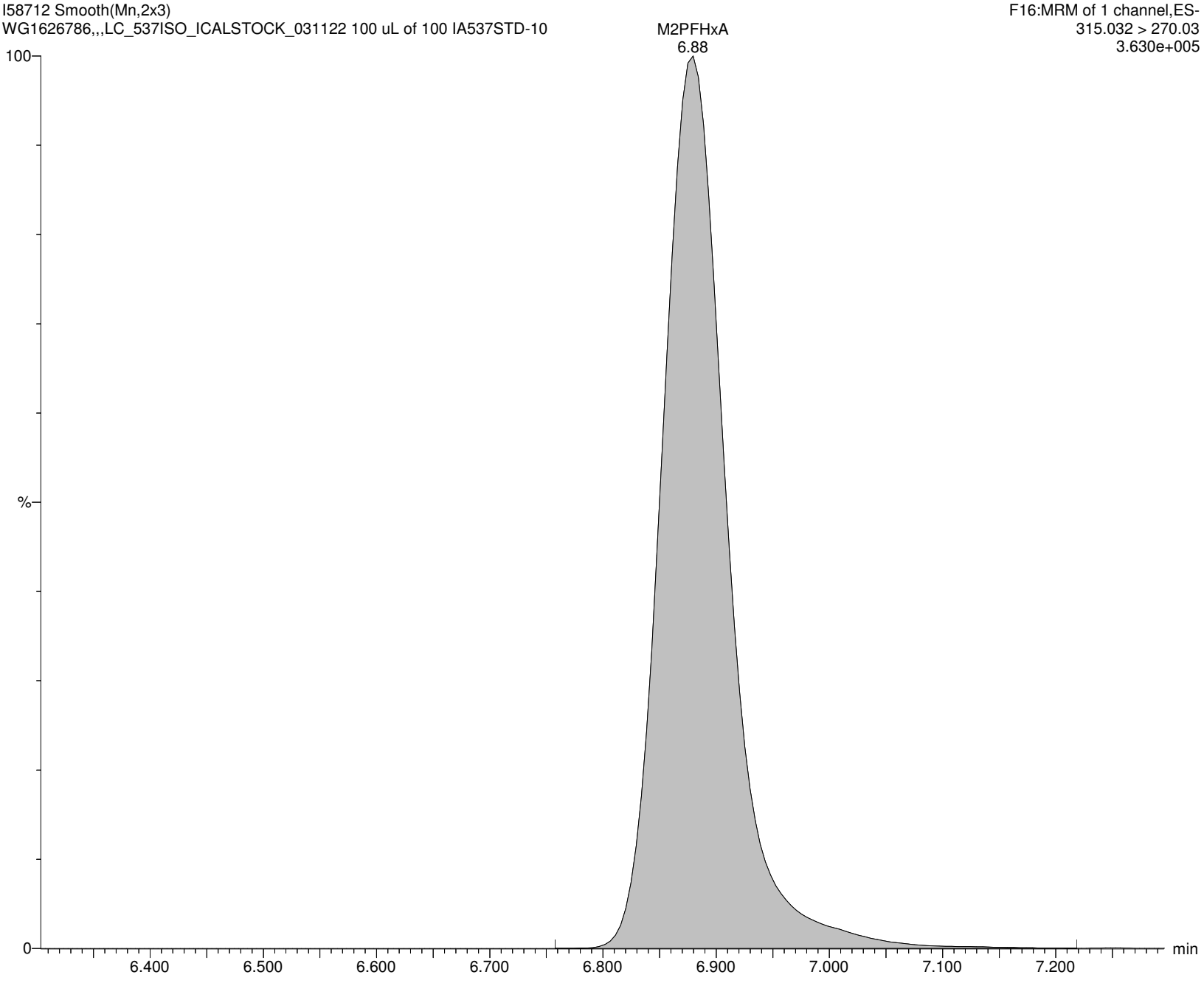


all concentration units in (ng/mL)

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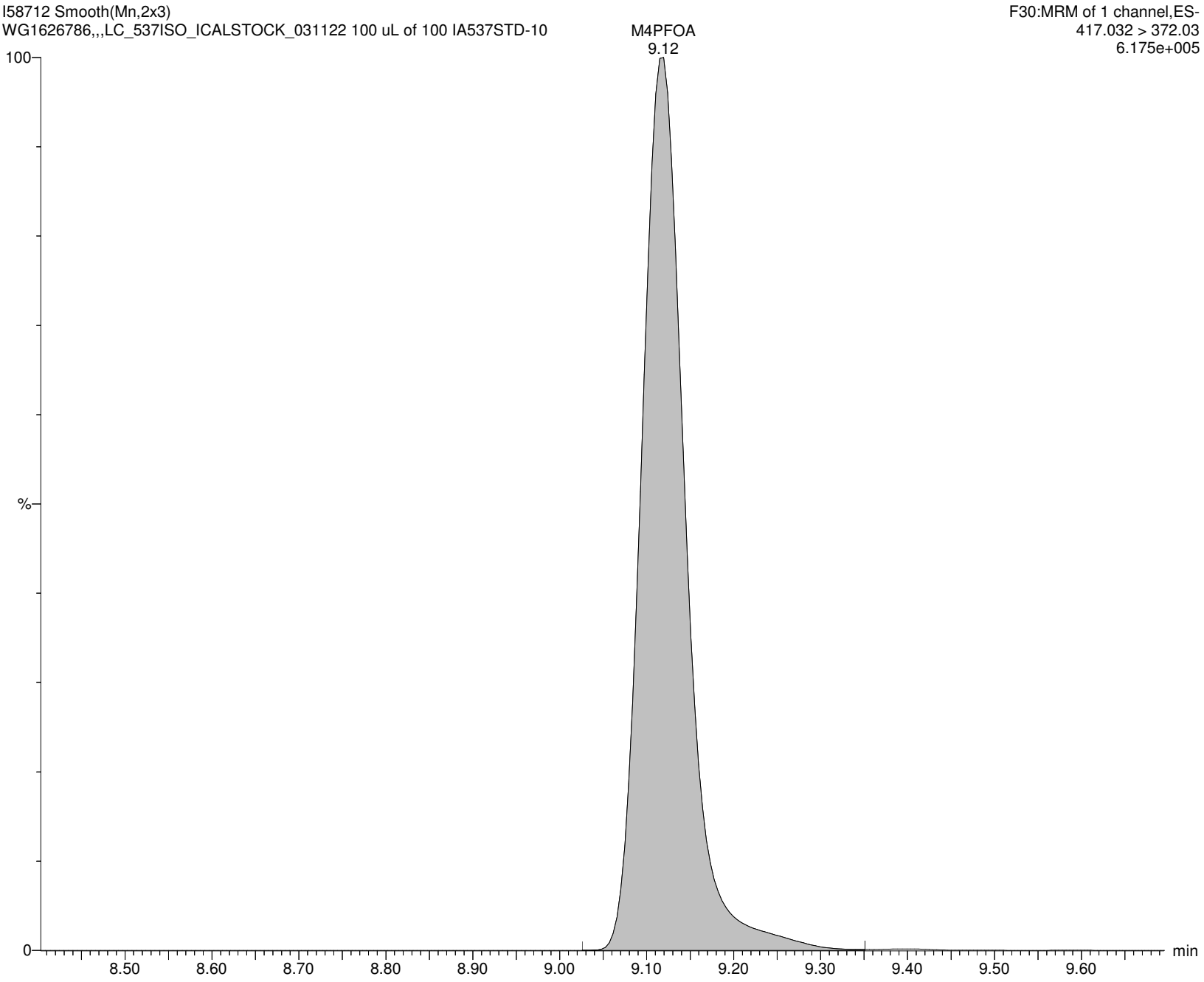


all concentration units in (ng/mL)

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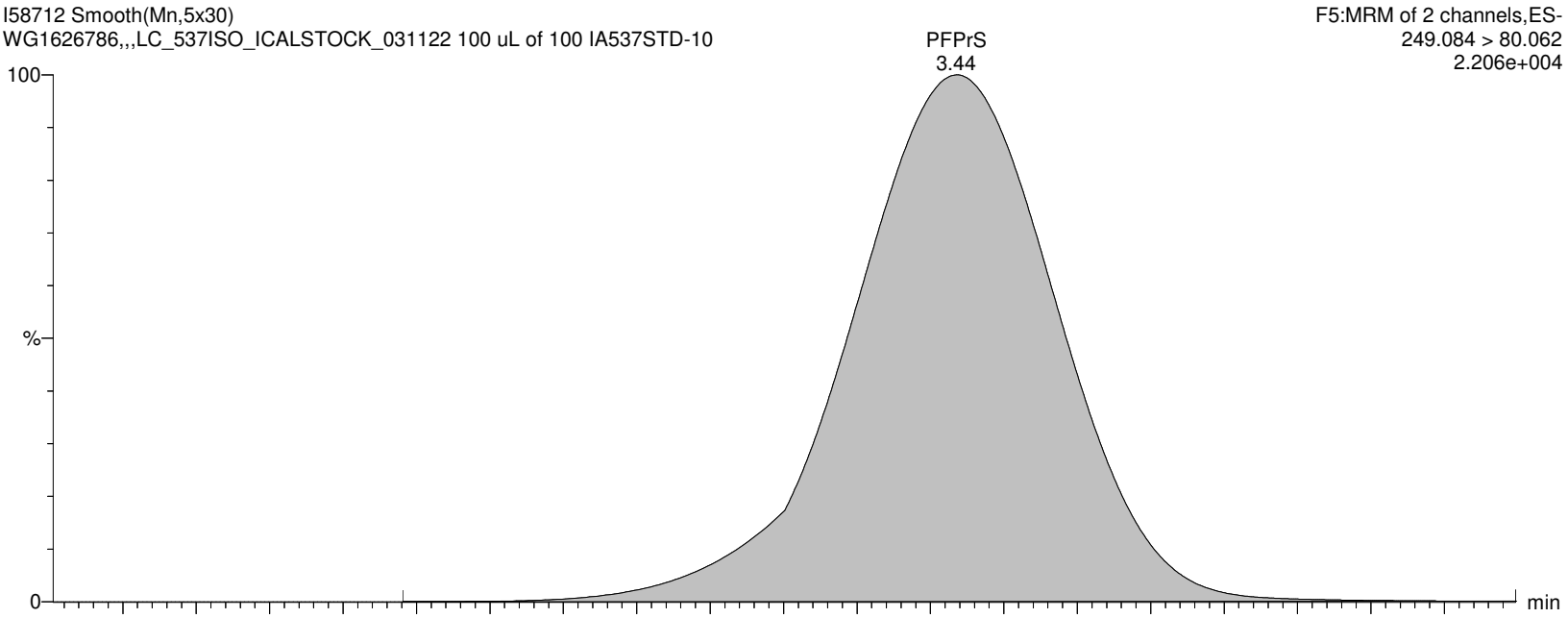


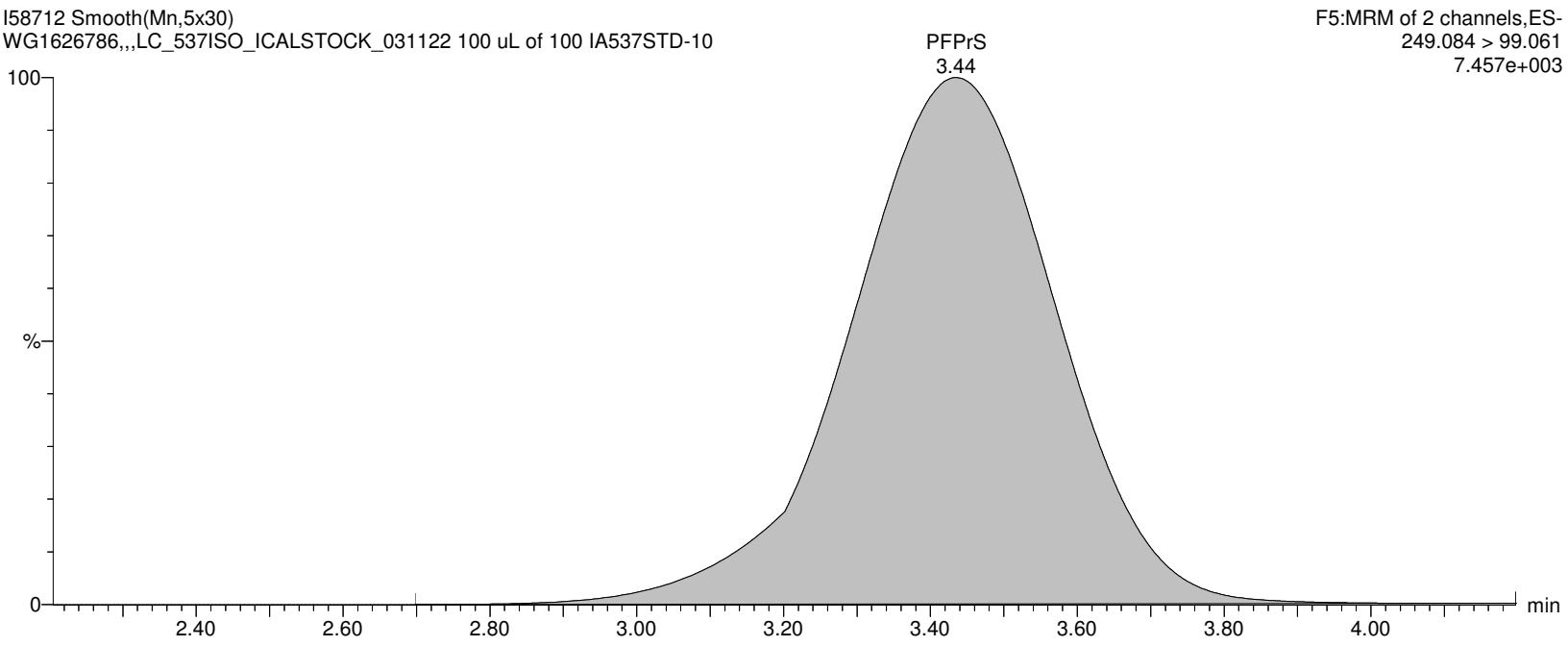
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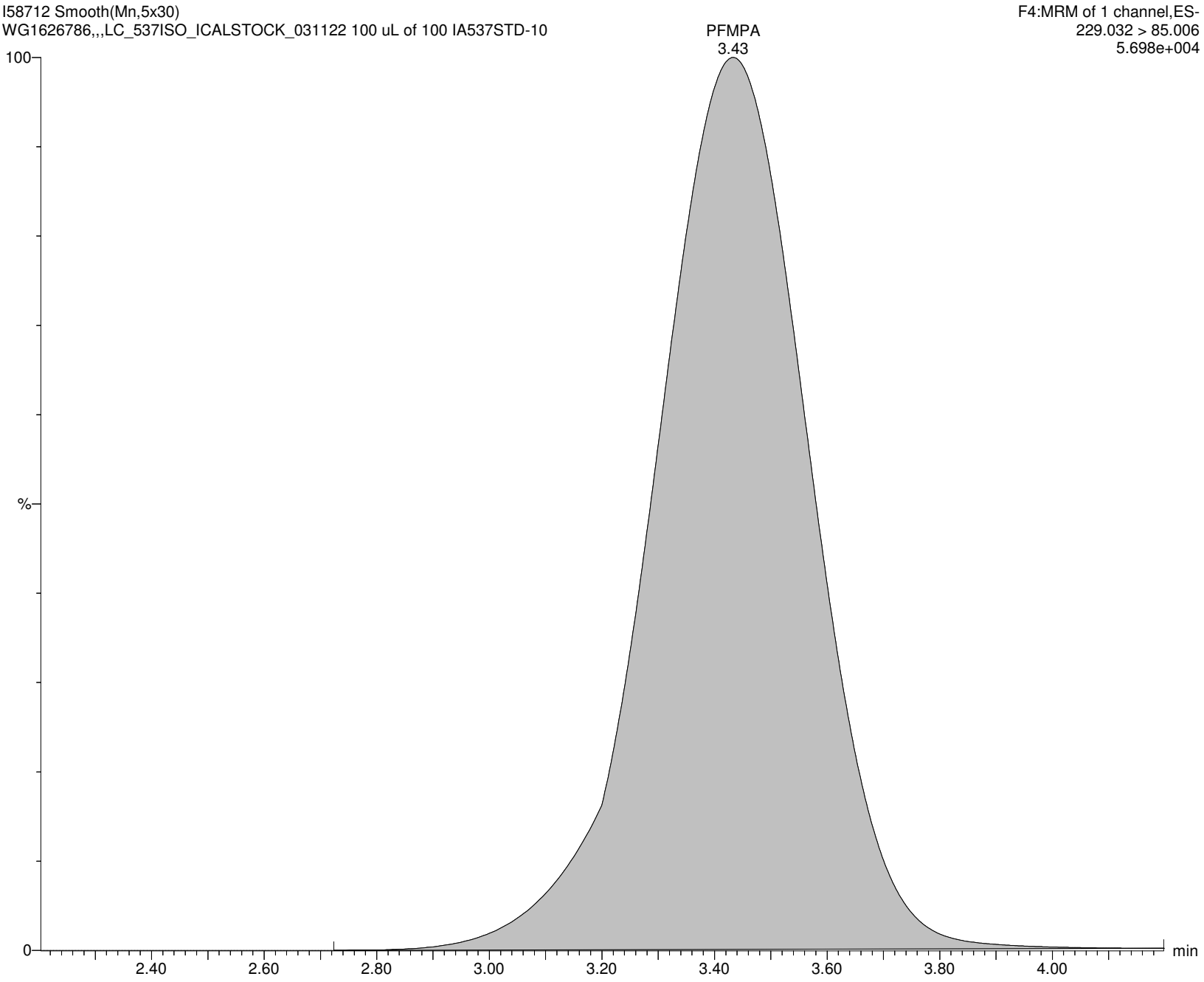


all concentration units in (ng/mL)

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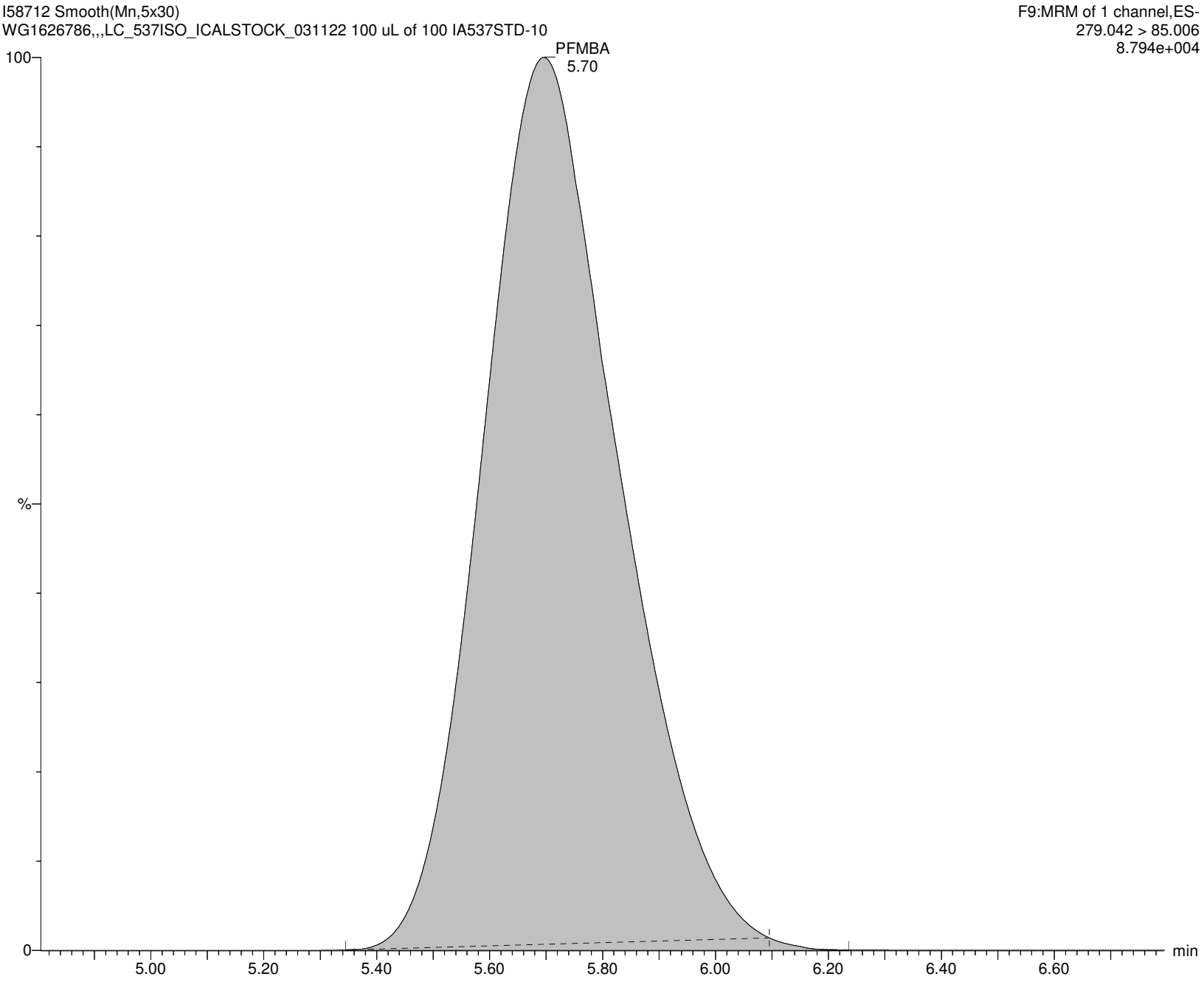


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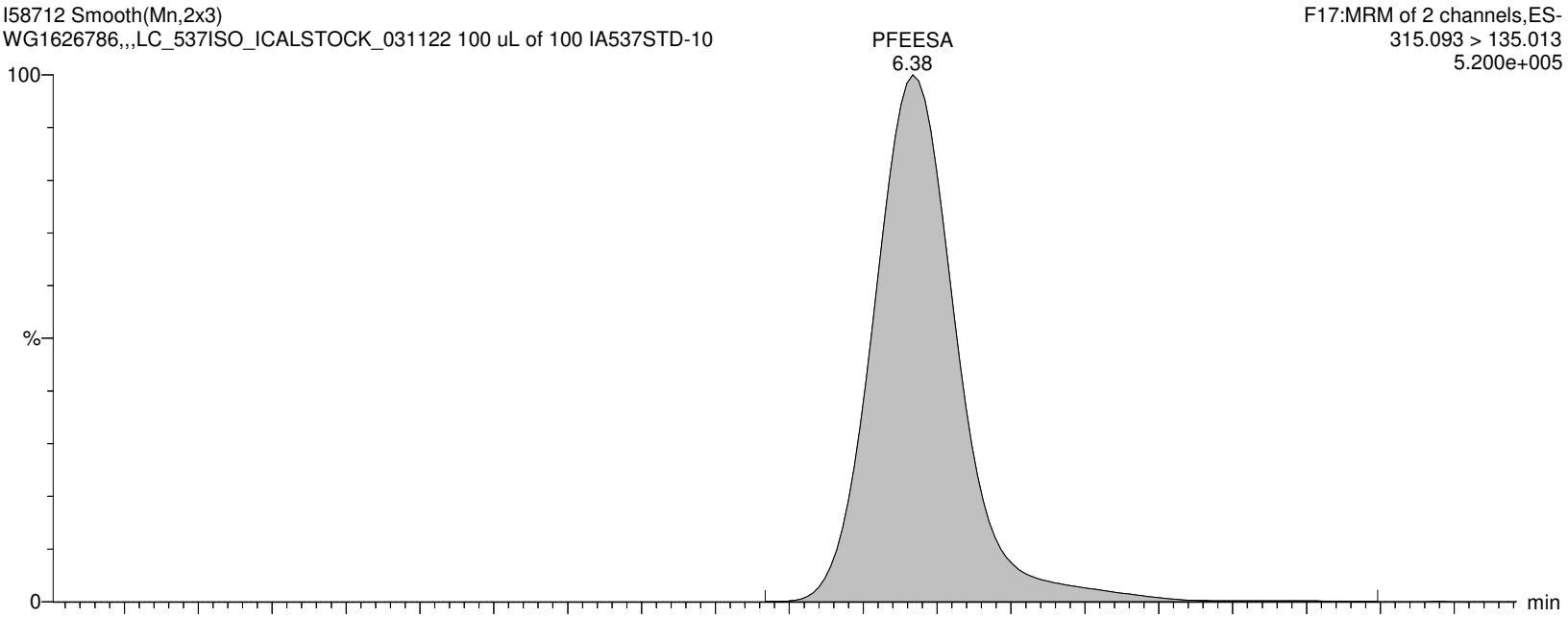


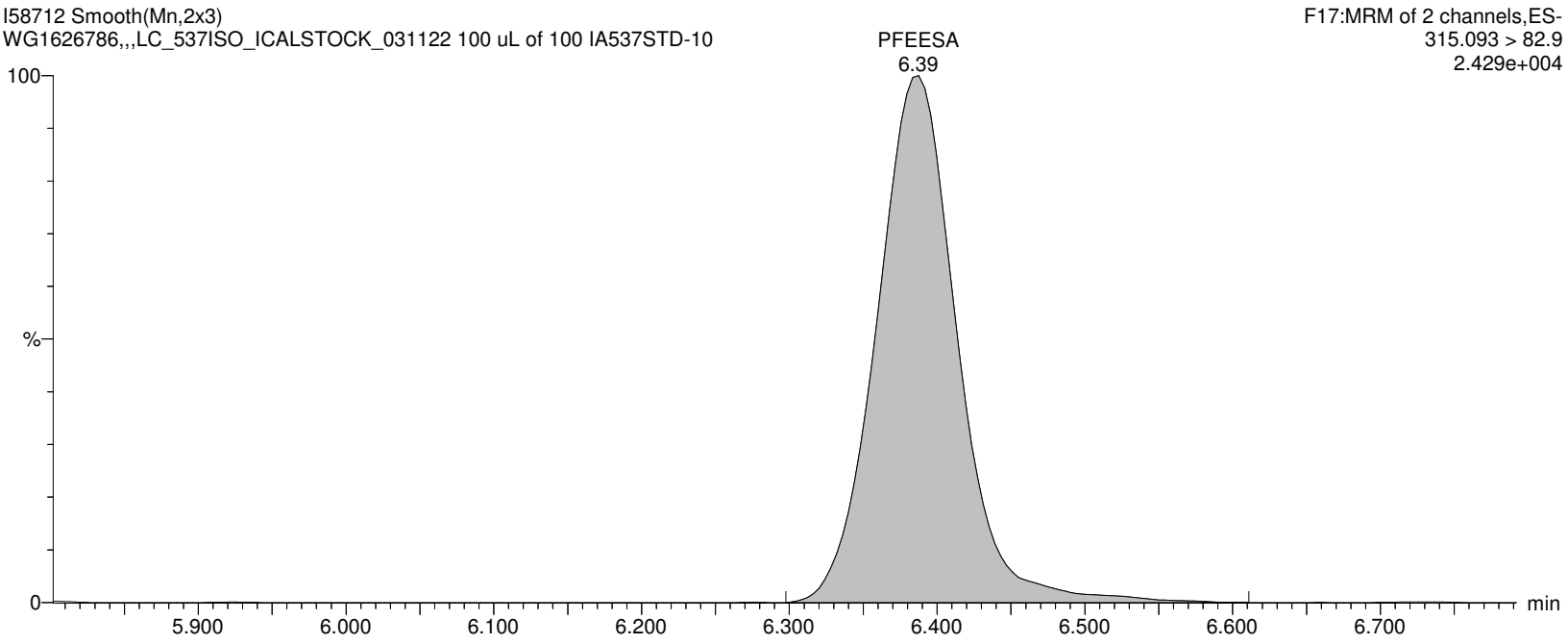
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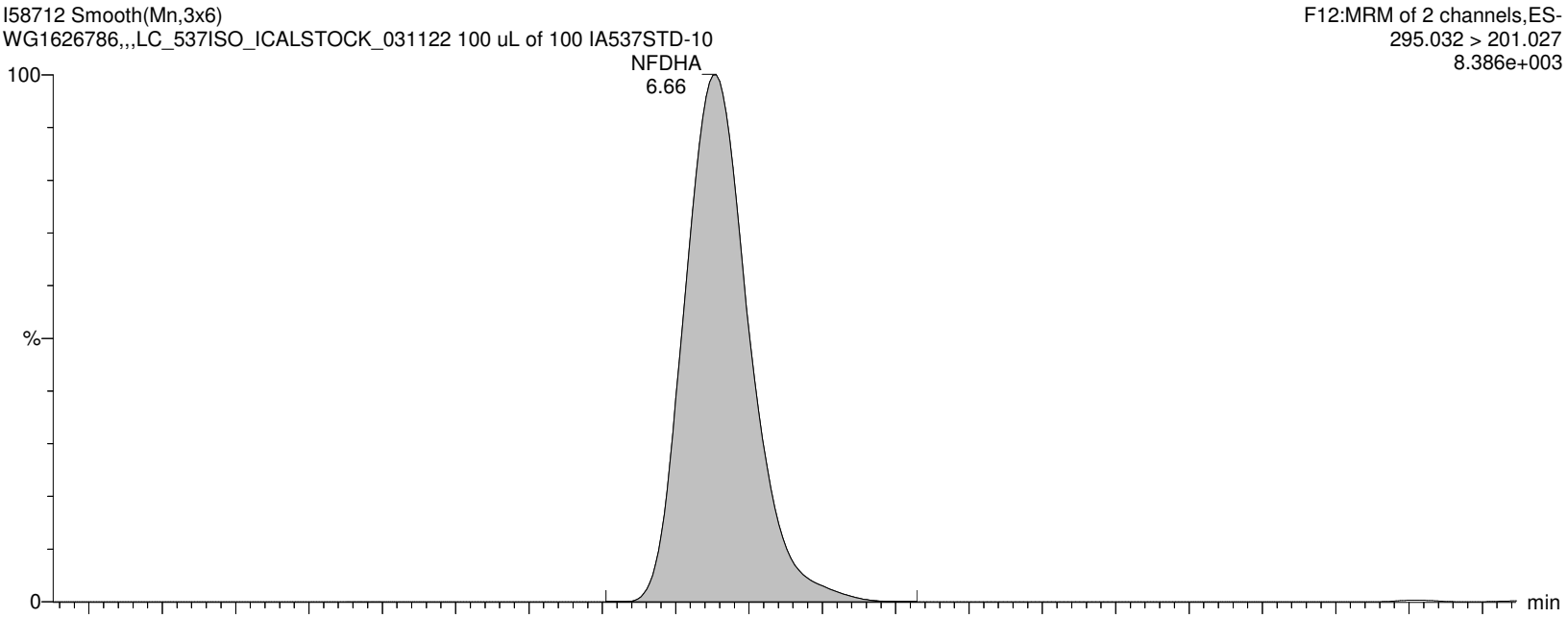


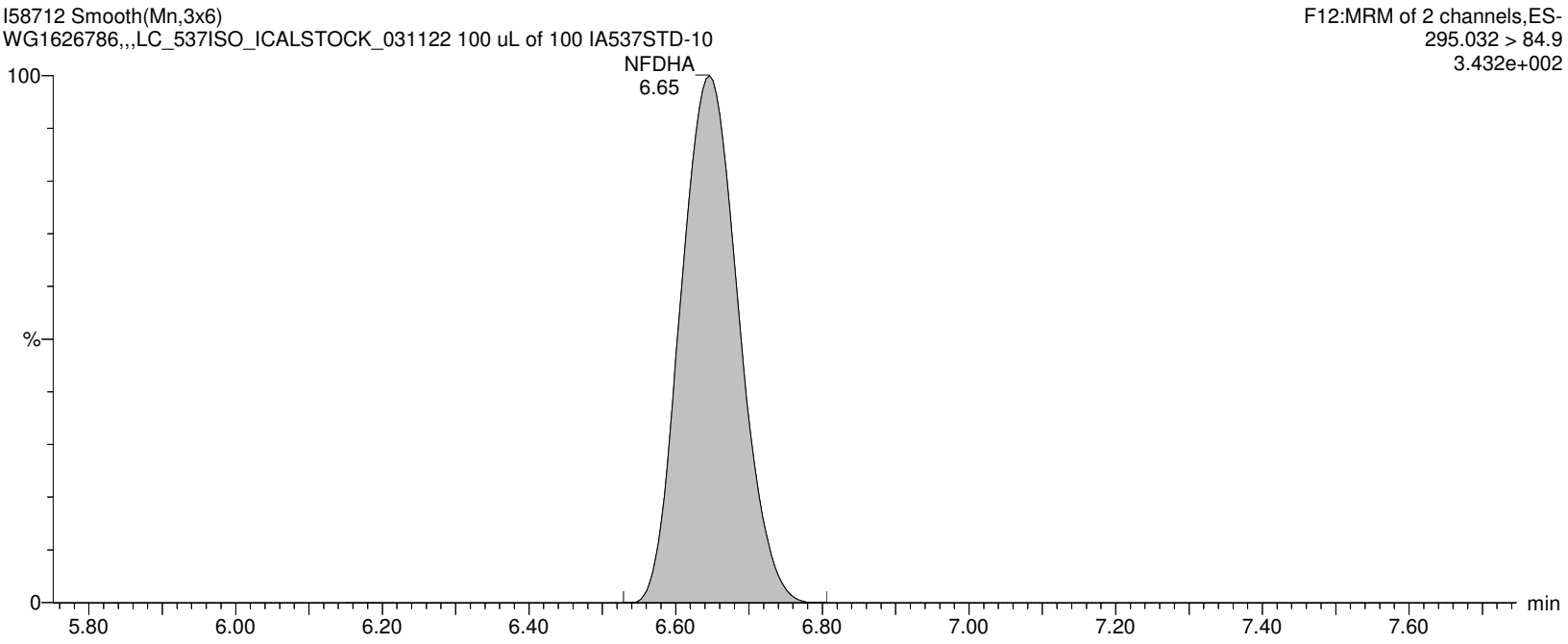
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Date: 13-Apr-2022
Time: 17:22:56
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 100
User: LCMS02:MP
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:23 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: IA537STD-25
Name: I58713
Date: 13-Apr-2022
Time: 17:39:29
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	58461		24.210		na	96.8
2	M3PFBA	INT STD	2.11	216.009 > 171.999	25795		10.127		na	101.3
3	MPFBA	INT STD	2.11	217.001 > 171.999	28148		9.781		na	97.8
4	PFPeA	2706-90-3	4.96	263.039 > 219.03	66441		24.601		na	98.4
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	34963		9.891		na	98.9
6	PFBS	375-73-5	5.63	299.092 > 80.062	15372		21.563	1.95	NO	97.2
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6442		9.057		na	97.2
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	6501		23.265	2.48	NO	99.3
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2818		8.875		na	94.6
10	PFHxA	307-24-4	6.88	313.047 > 269.037	102925		24.106	17.26	NO	96.4
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	43914		9.843		na	98.4
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	15250		22.760	2.29	NO	96.7
13	PFHpA	375-85-9	8.16	363.055 > 319.045	127175		23.797	6.24	NO	95.2
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	53131		9.952		na	99.5
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	2349	M5,M7	4.507	2.14	NO	95.4
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	11146		19.267	1.63	NO	95.0
17	PFHxS	355-46-4		399.107 > 80.062	13495		23.774		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	6219		9.323		na	98.3
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	170173		24.327	9.56	NO	97.3
21	PFOA	335-67-1		412.8430 > 368.9430	170173		24.327		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	71065		9.866		na	98.7
23	M2PFOA	INT STD	9.11	414.828 > 369.935	66587		10.211		na	102.1
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	5878		24.382	3.66	NO	102.6
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2517		8.820		na	92.7
26	PFHpS	375-92-8	9.21	449.115 > 80.062	9620		22.888	1.17	NO	96.1
27	PFNA	375-95-1	9.88	462.8510 > 418.951	138885		24.240	3.83	NO	97.0
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	67278		10.002		na	100.0
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	4718	M5,M7	4.973	4.01	NO	94.3
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	13875		19.187	1.68	NO	97.3
31	PFOS	1763-23-1		498.9030 > 79.9520	18593		24.160		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	6784		10.399		na	104.0
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	8076		9.255		na	96.5
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	147935		25.615	6.72	NO	102.5
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	54497		10.152		na	101.5
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	61891		9.521		na	95.2
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	7704		22.296	3.70	NO	92.9
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1811		9.520		na	99.2
39	PFNS	68259-12-1	10.54	549.131 > 80.062	9606		25.241	1.54	NO	105.0

all concentration units in (ng/mL)

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ID: IA537STD-25
Name: I58713
Date: 13-Apr-2022
Time: 17:39:29
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2551		9.480		na	94.8
41	br-NMeFOSAA		10.74	570.202 > 419.061	651	M5,M7	5.625	0.82	NO	93.7
42	L-NMeFOSAA		10.90	570.202 > 419.061	5630		17.781	1.79	NO	93.6
43	NMeFOSAA	2355-31-9		570.202 > 419.061	6282		23.406		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	143795		25.030	12.15	NO	100.1
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	37947		9.813		na	98.1
46	PFDS	335-77-3	11.07	599.139 > 80.062	9744		25.429	1.73	NO	105.4
47	FOSA	754-91-6	10.93	498.146 > 78.07	29314		24.196	103.44	NO	96.8
48	M8FOSA	INT STD	10.93	506.077 > 78.07	17496		9.631		na	96.3
49	br-NEtFOSAA		11.04	584.229 > 419.061	418	M5,M7	5.899	0.55	NO	104.9
50	L-NEtFOSAA		11.19	584.229 > 419.061	3732		18.114	1.04	NO	93.5
51	NEtFOSAA	2991-50-6		584.229 > 419.061	4151		24.013		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2047		9.119		na	91.2
53	PFDoA	307-55-1	11.54	613.094 > 569.084	64456		23.997	23.71	NO	96.0
54	MPFDOA	INT STD	11.54	615.079 > 570.077	24025		9.778		na	97.8
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	53491		24.904	11.06	NO	99.6
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	85016		25.765	10.31	NO	103.1
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	49456		9.531		na	95.3
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	5225		180.231		na	90.1
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	7383		251.901	4.02	NO	100.8
60	ADONA	958445-44-8	8.34	377.06 > 251.028	95850		23.032	27.01	NO	97.5
61	PFHxDA		12.75	813.122 > 768.8565	23248		24.277	18.14	NO	97.1
62	PFODA		12.97	913.411 > 868.7332	4667		24.518	15.89	NO	98.1
63	M2PFHxDA		12.75	815.102 > 770.108	8550		9.704		na	97.0
64	PFDoS		11.95	699.154 > 80.062	6145		26.644	2.32	NO	106.6
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1598	M4	19.536		na	99.7
66	10:2FTS		11.55	627.192 > 607.186	2239		20.816	1.47	NO	86.2
67	9CL-PF3ONS		10.29	530.862 > 350.843	81158		22.480	2.75	NO	96.4
68	11CL-PFOUdS		11.34	630.862 > 450.854	65892		22.768	3.29	NO	96.6
69	NMeFOSA		11.55	512.163 > 169.022	27211		115.212	2.01	NO	92.2
70	d3-NMeFOSA		11.54	515.183 > 169.022	27635		98.922		na	98.9
71	NEtFOSA		11.85	526.192 > 169.022	32824		117.524	4.49	NO	94.0
72	d5-NEtFOSA		11.84	531.222 > 169.022	32510		97.052		na	97.1
73	NMeFOSE		11.55	615.8 > 59.045	57638		63.149		na	101.0
74	d7-NMeFOSE		11.53	622.84 > 59.045	32989		99.209		na	99.2
75	NEtFOSE		11.84	629.862 > 59.045	67627		61.609		na	98.6
76	d9-NEtFOSE		11.82	638.734 > 59.045	40936		99.841		na	99.8
77	M3PFPeA		4.96	266.017 > 222.007	21055		10.136		na	101.4
78	M2PFHxA		6.88	315.032 > 270.03	23384		10.163		na	101.6
79	M4PFOA		9.12	417.032 > 372.03	34432		10.027		na	100.3
80	PFPrS	423-41-6	3.43	249.084 > 80.062	17321		22.067	3.00	NO	95.9
81	PFMPA		3.43	229.032 > 85.006	43200		26.349		na	105.4
82	PFMBA		5.69	279.042 > 85.006	60475	M4	25.565		na	102.3

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:23 Eastern Daylight Time

ID: IA537STD-25
Name: I58713
Date: 13-Apr-2022
Time: 17:39:29
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	82145		21.249	21.39	NO	95.5
84	NFDHA		6.65	295.032 > 201.027	1587		23.451	25.07	NO	93.8

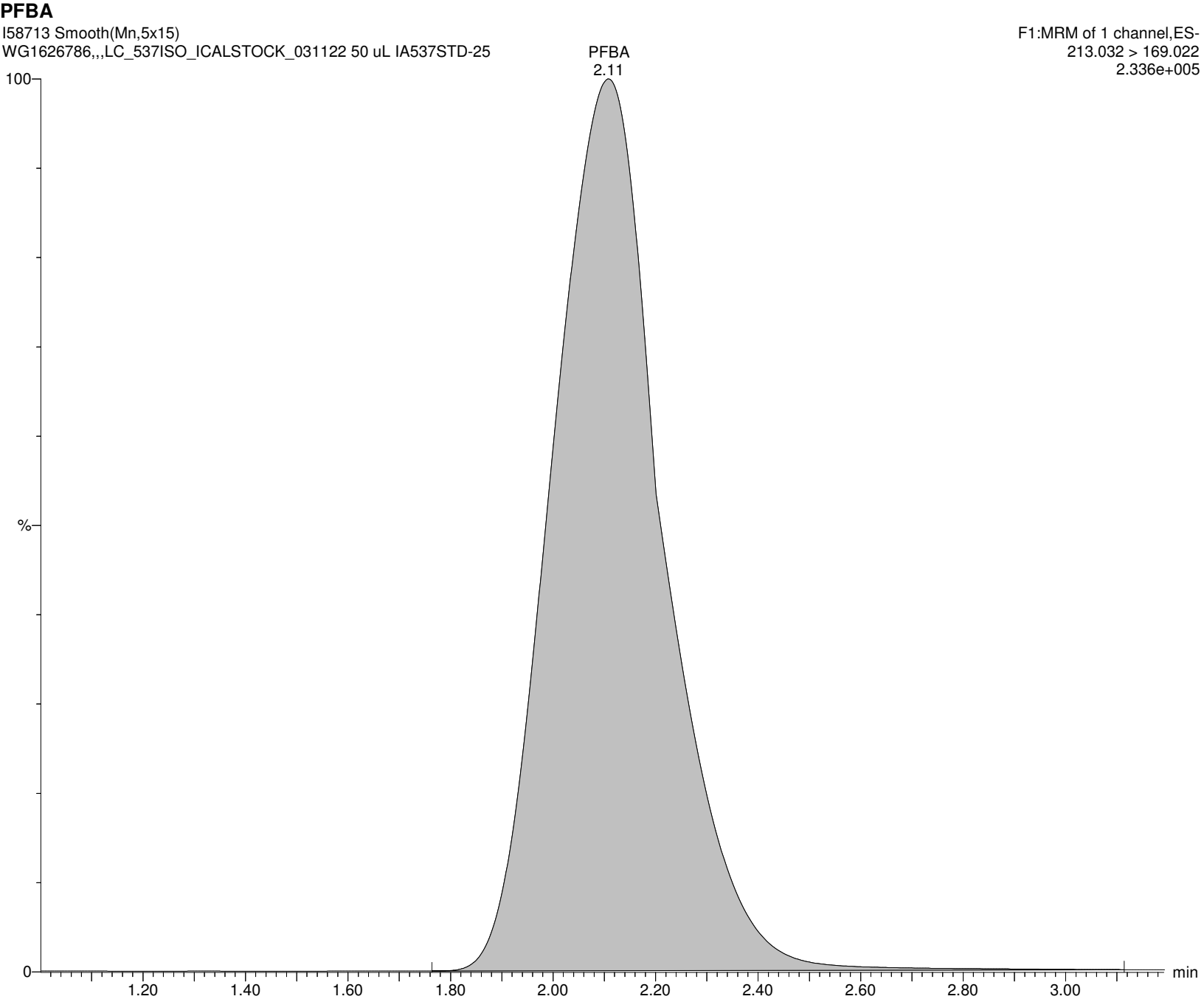
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

Name: I58713
ID: IA537STD-25
Date: 13-Apr-2022
Time: 17:39:29
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL
User: LCMS02:MP
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

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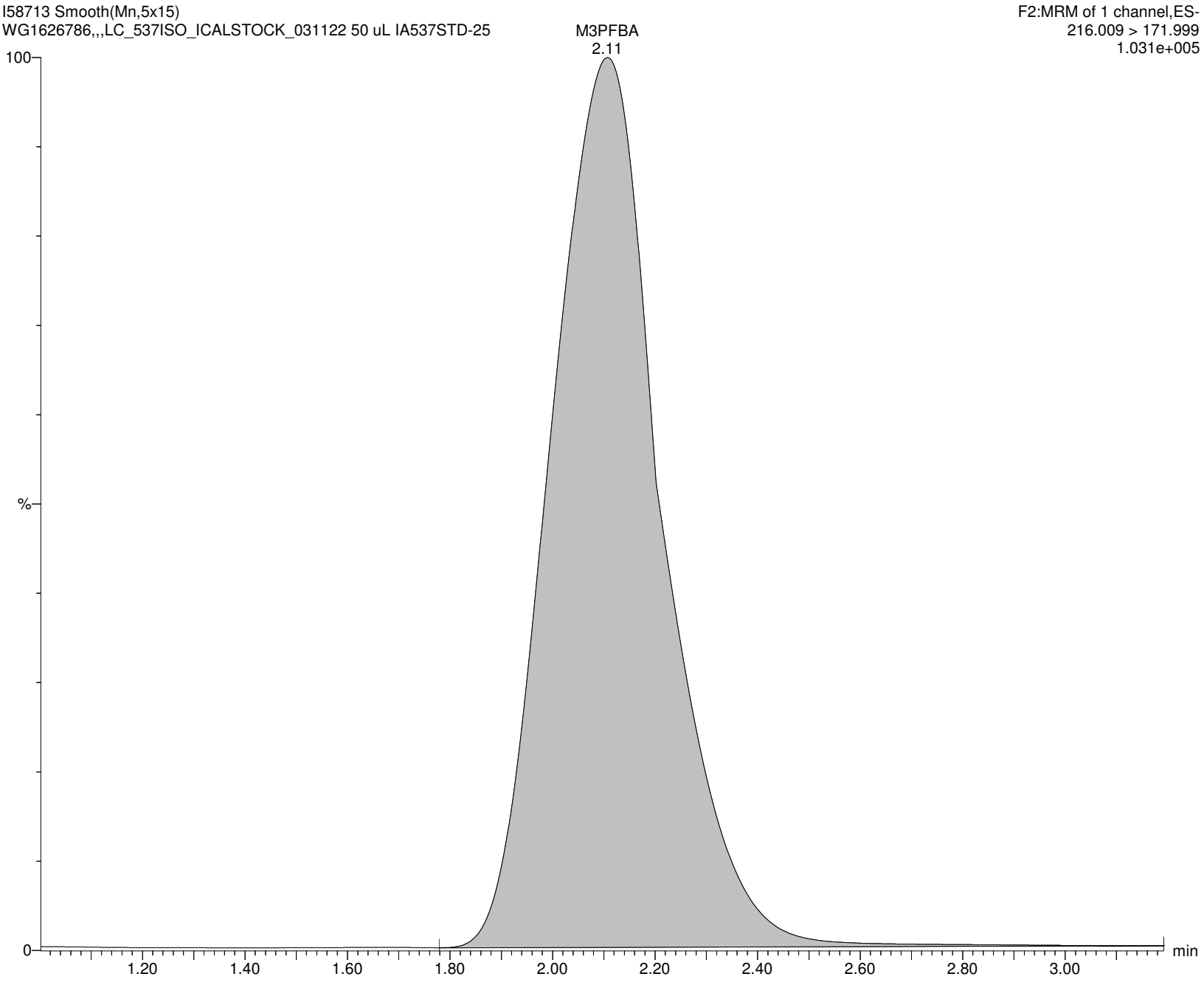


all concentration units in (ng/mL)

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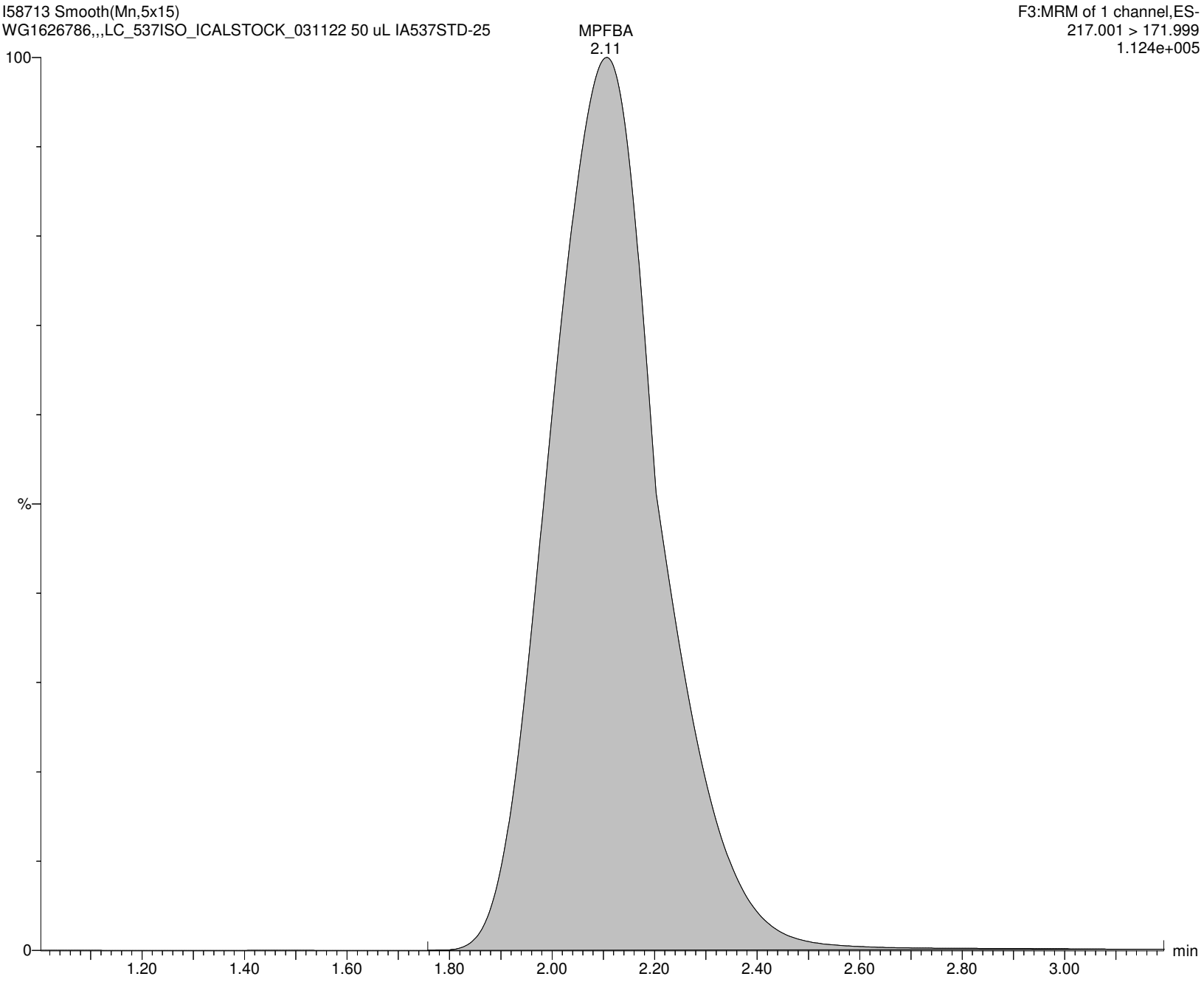


all concentration units in (ng/mL)

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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
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MPFBA

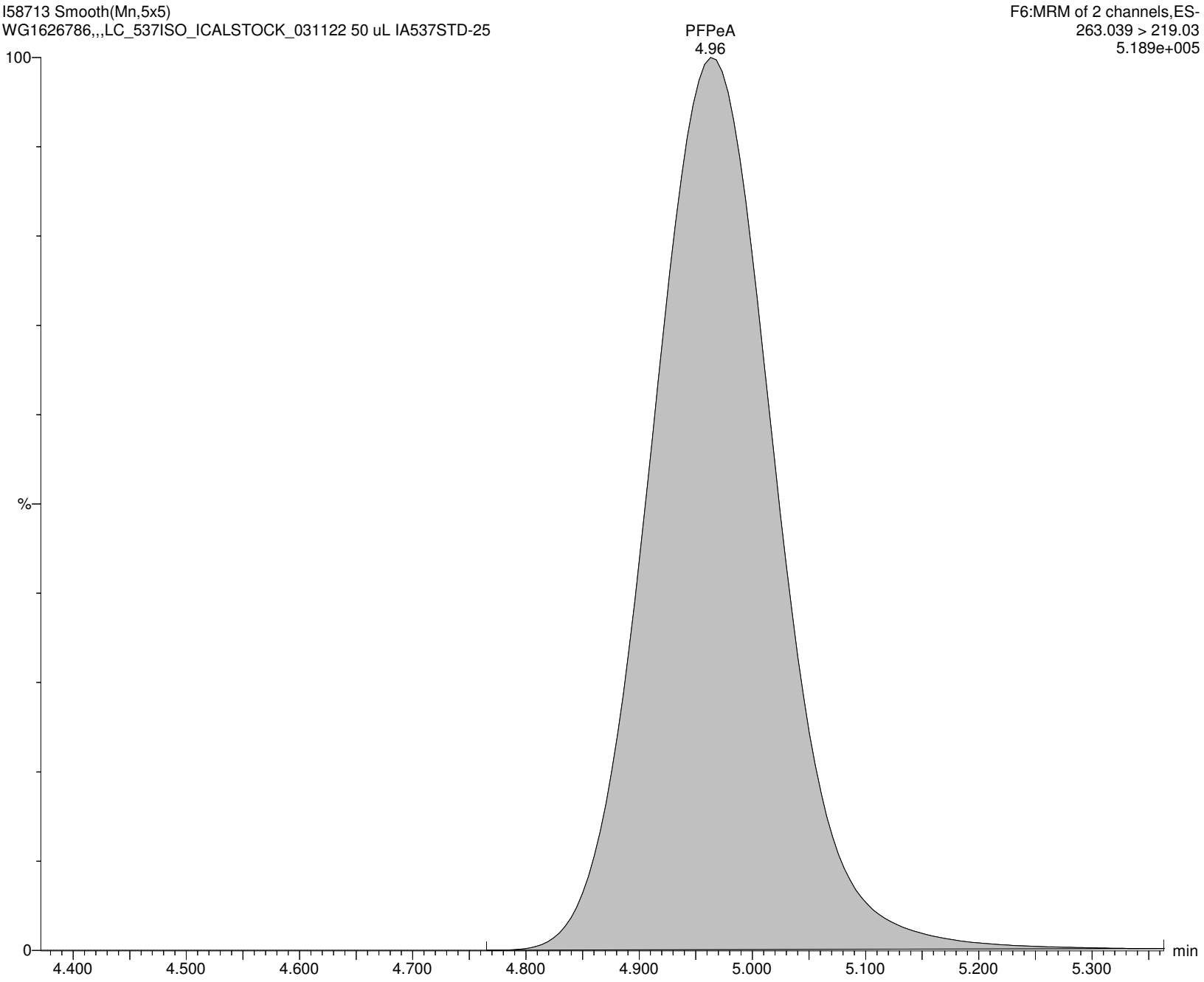


all concentration units in (ng/mL)

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PFPeA

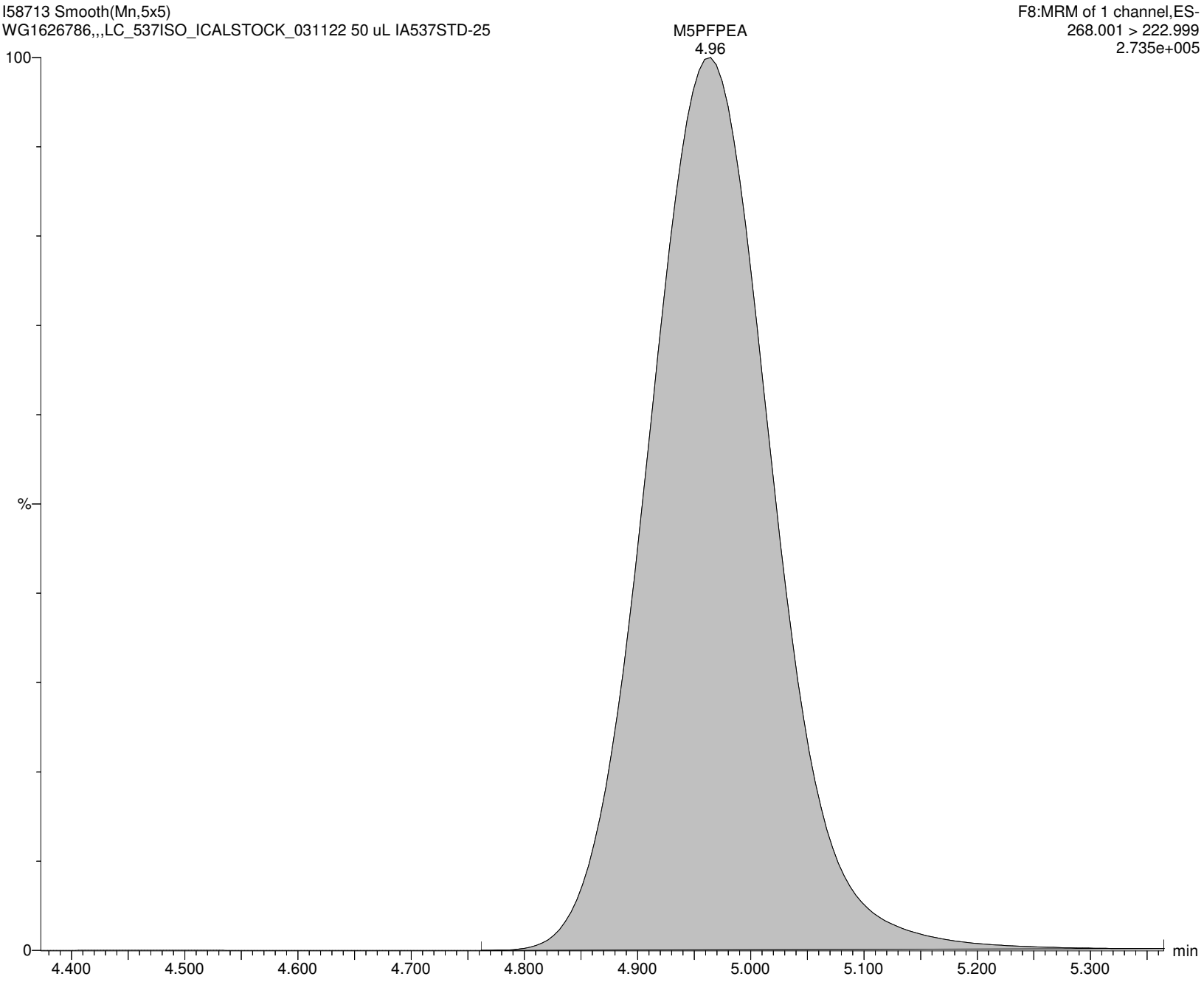


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M5PFPEA

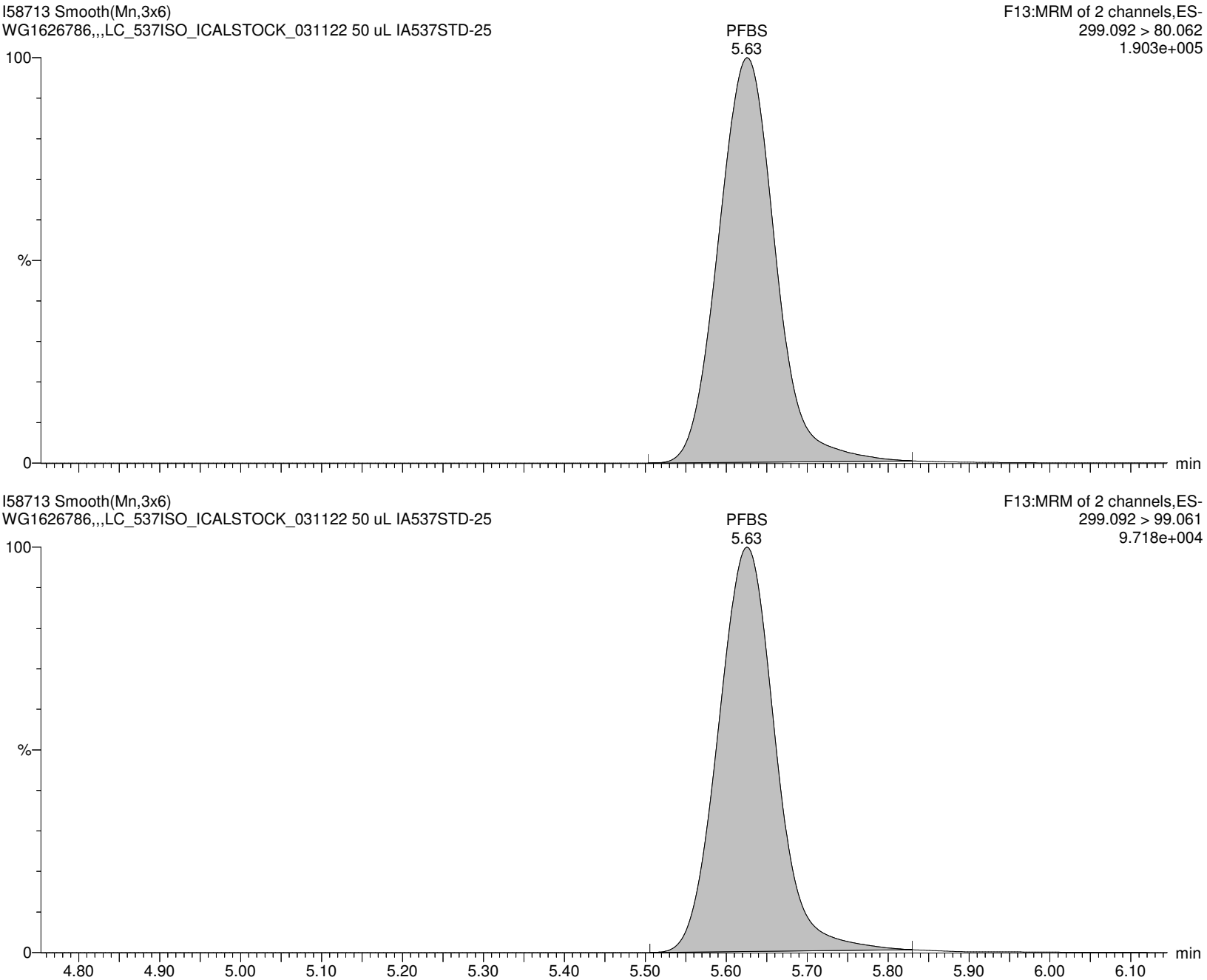


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PFBS

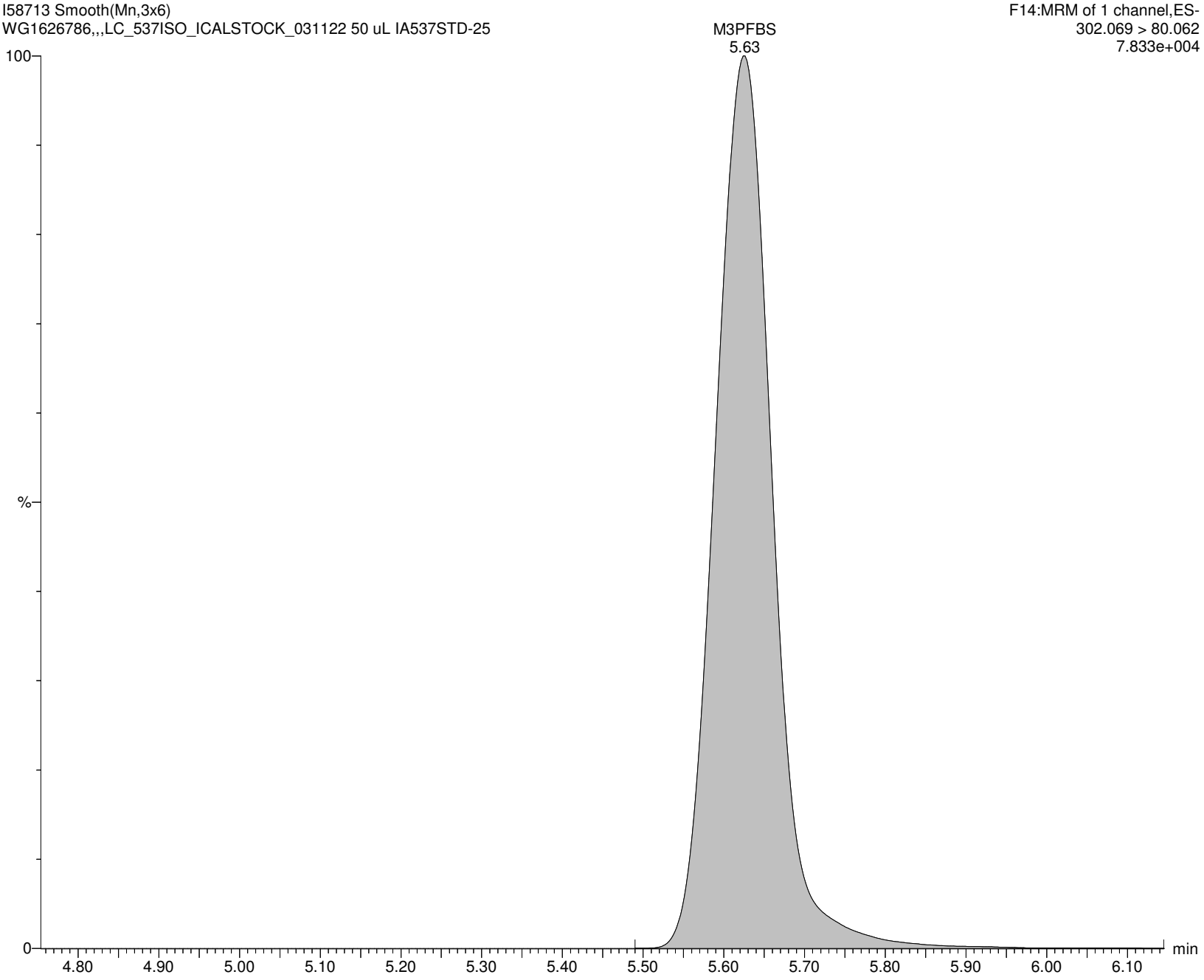


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M3PFBS

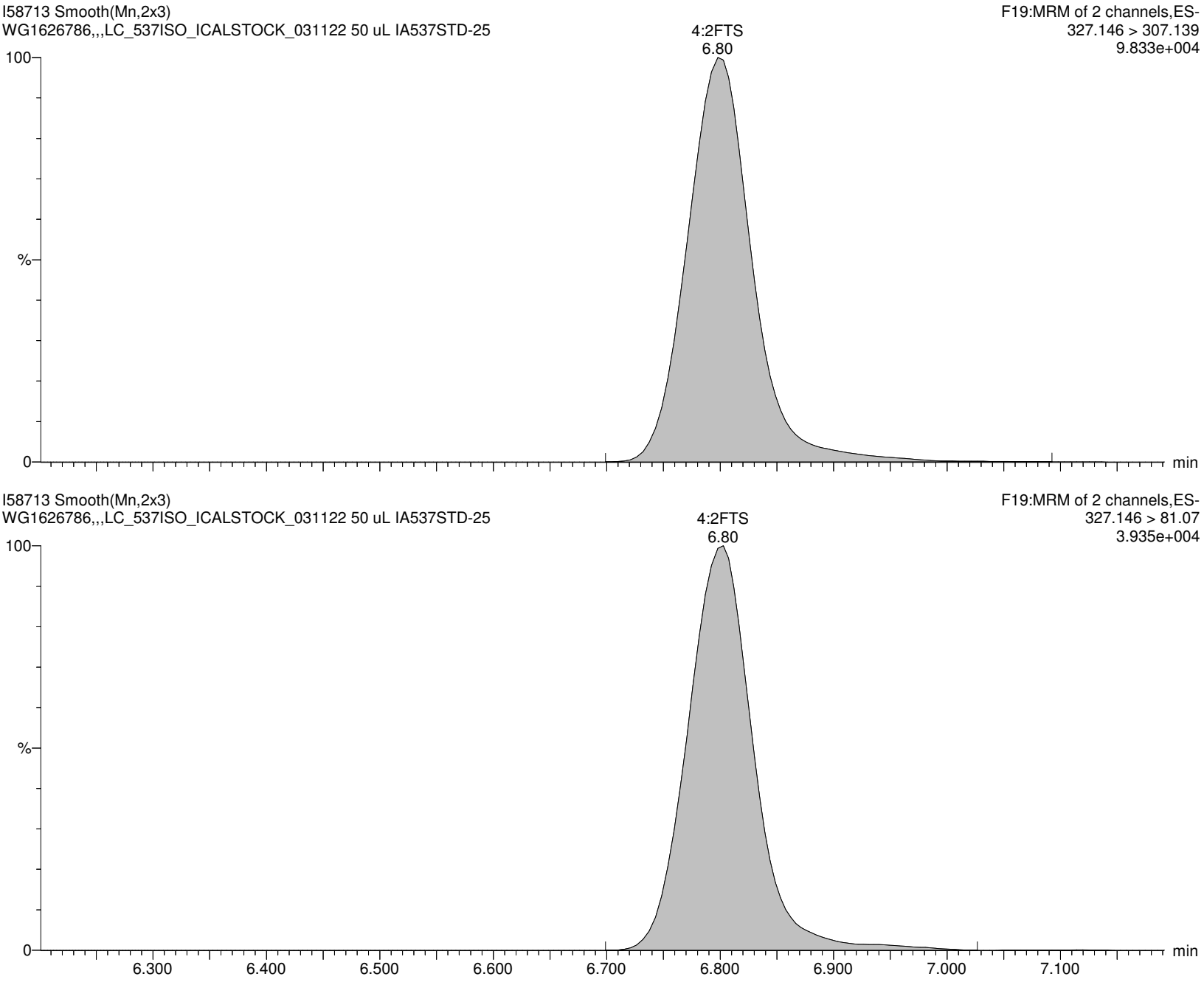


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:23 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:39:29
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL
User: LCMS02:MP
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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4:2FTS

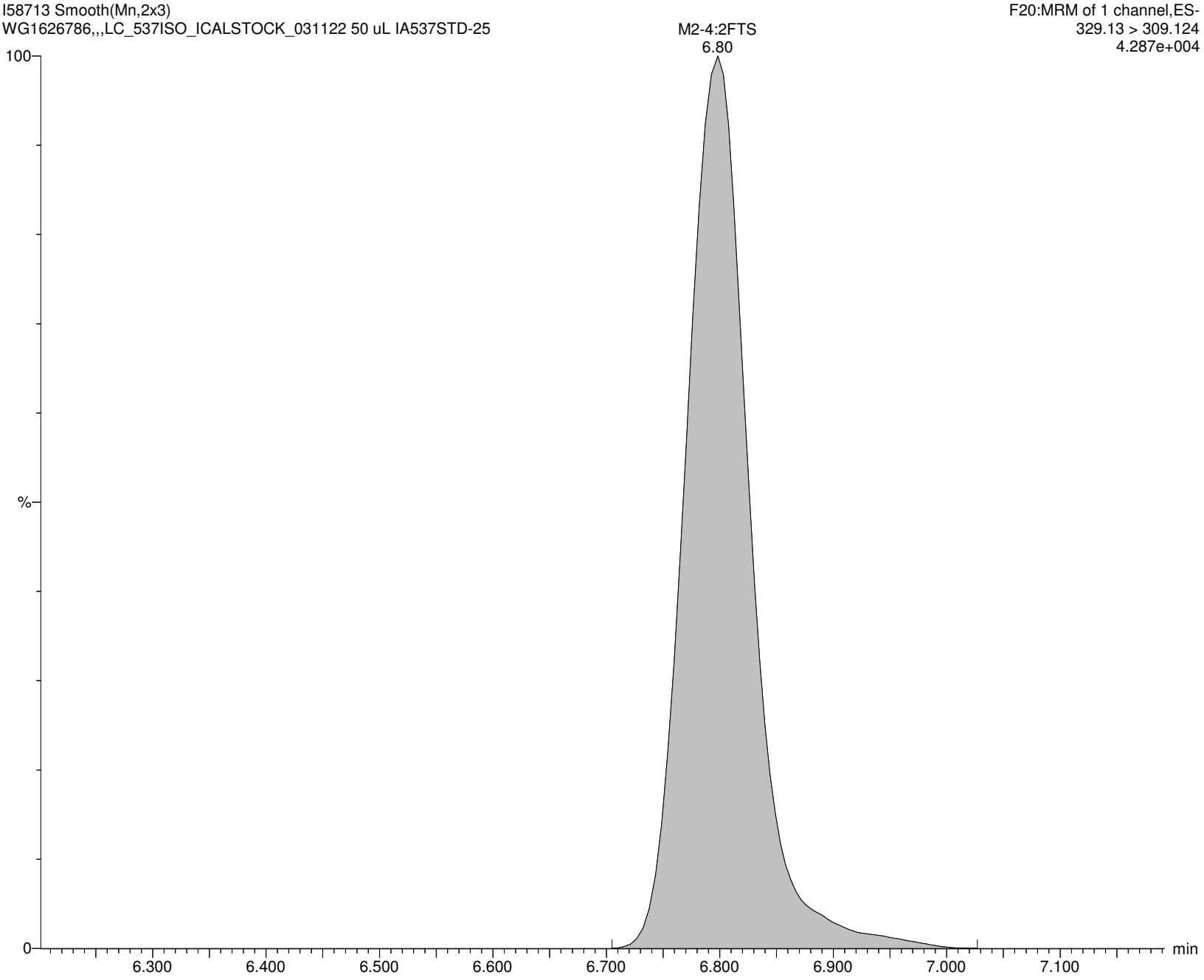


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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M2-4:2FTS

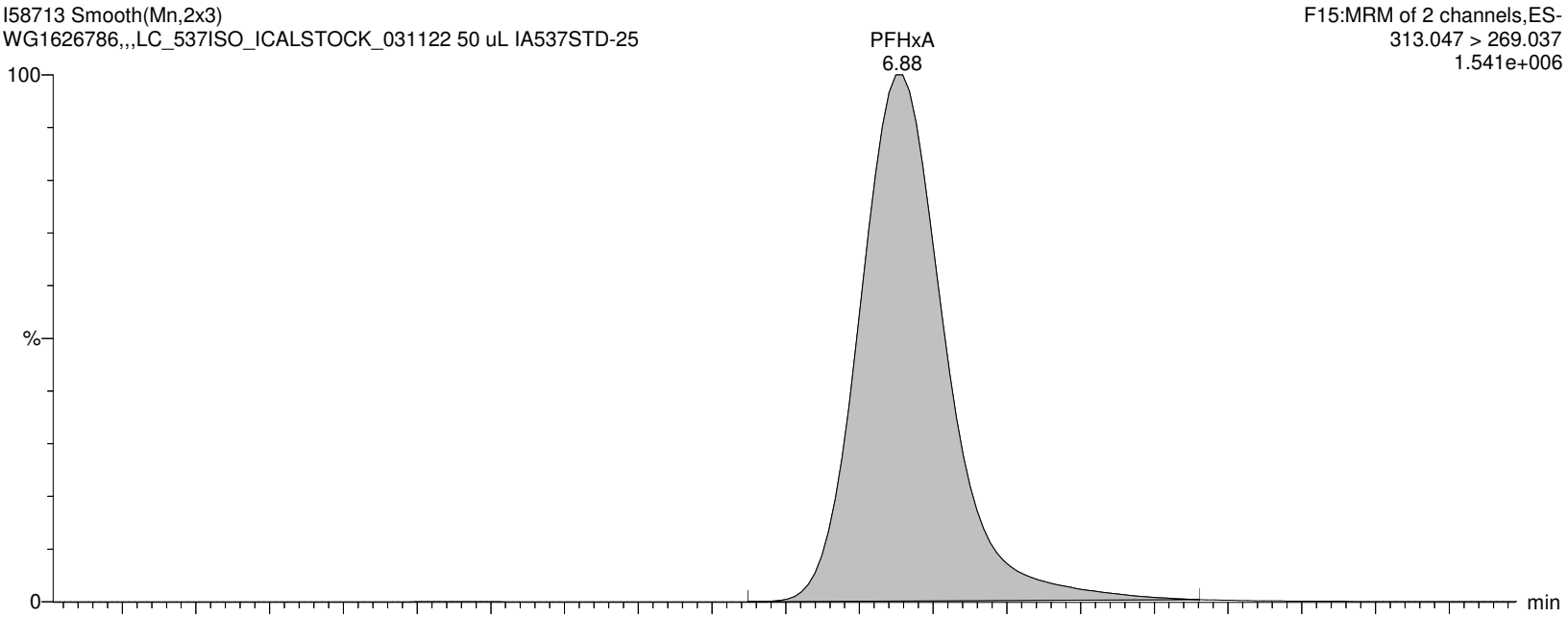


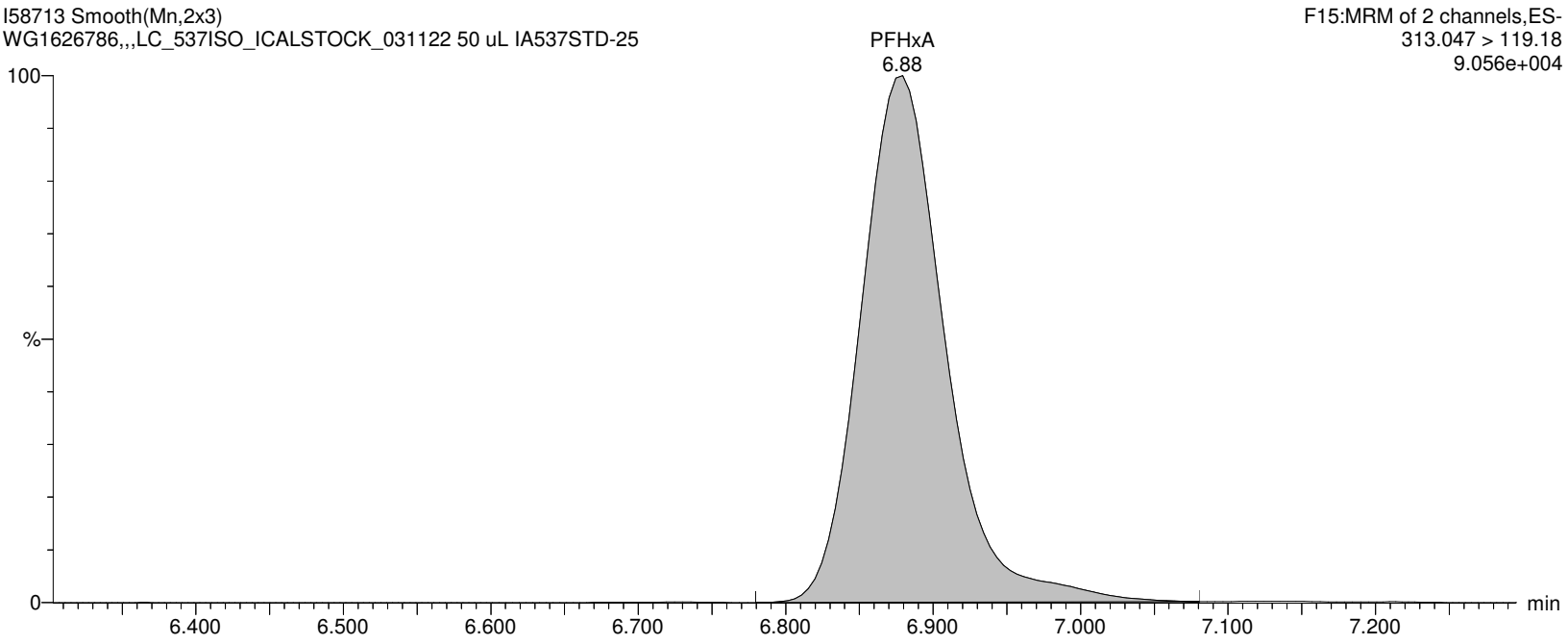
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxA



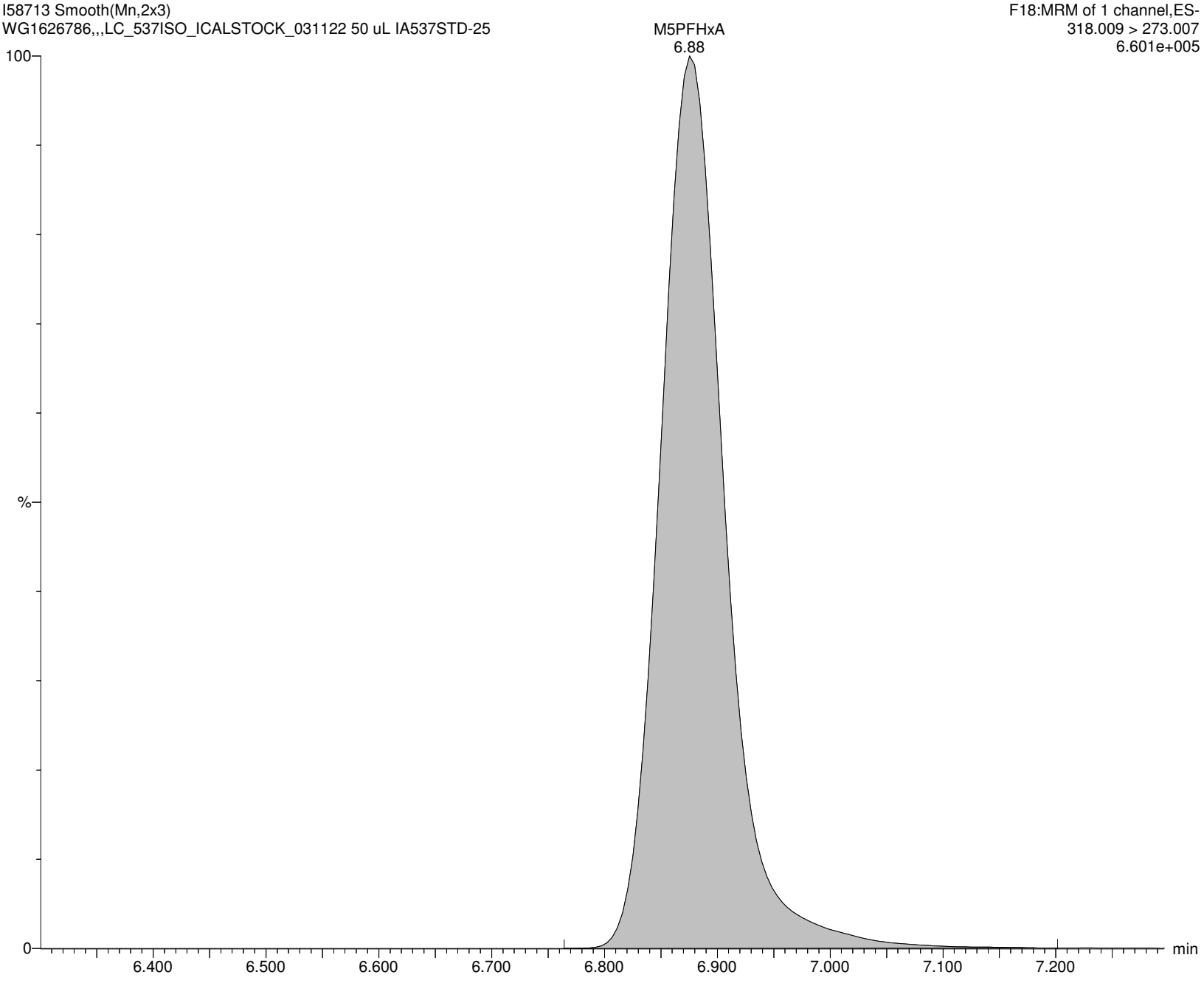


all concentration units in (ng/mL)

Alpha Analytical Inc.
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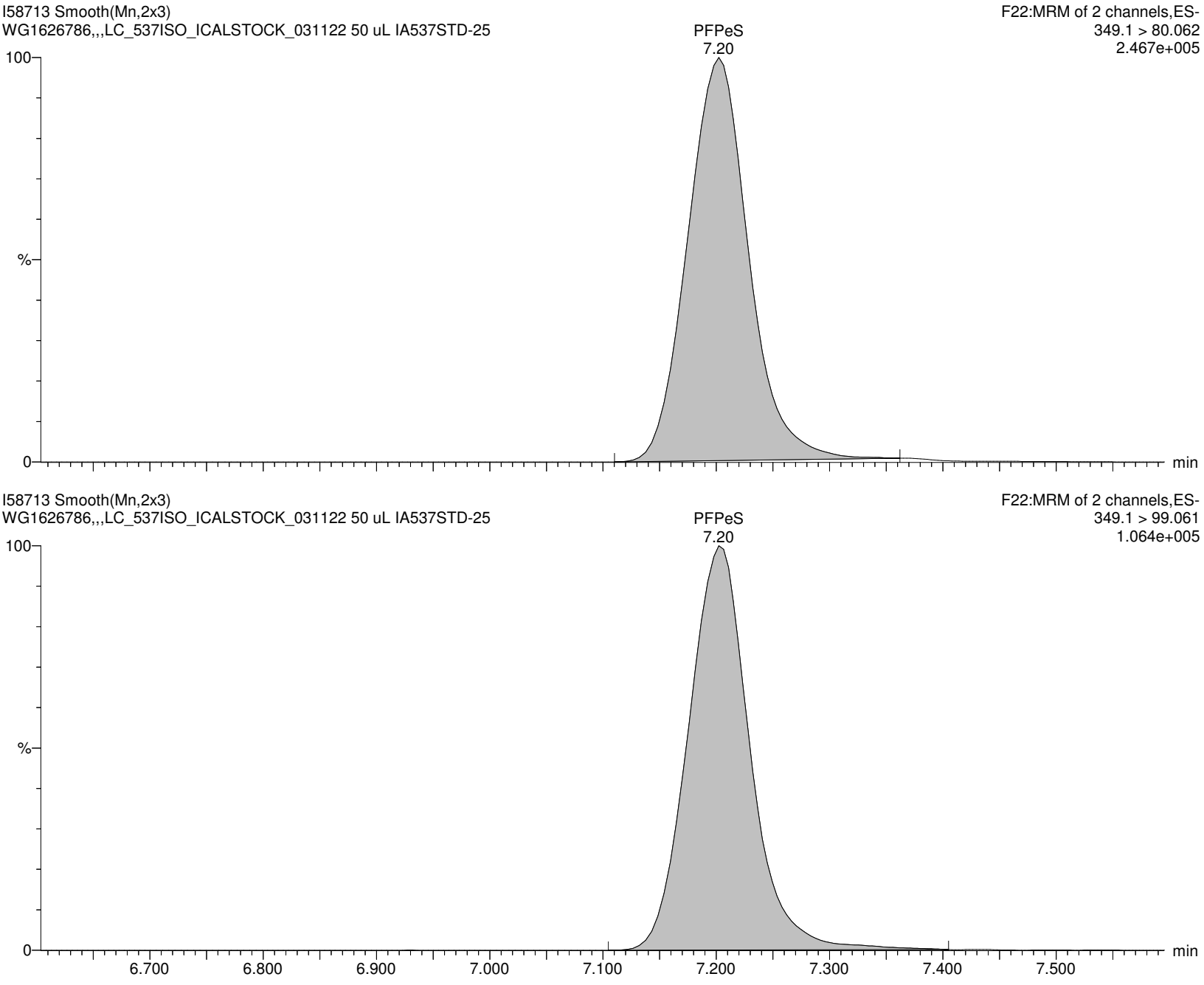


all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFPeS

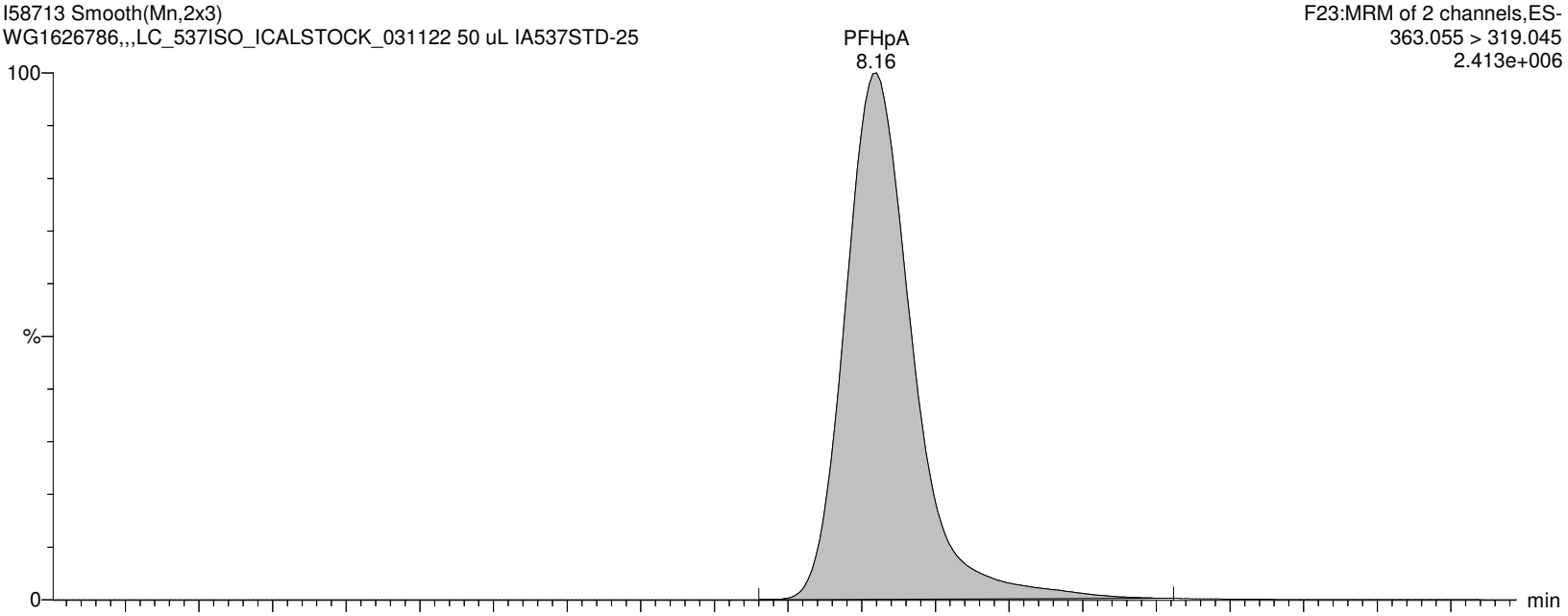


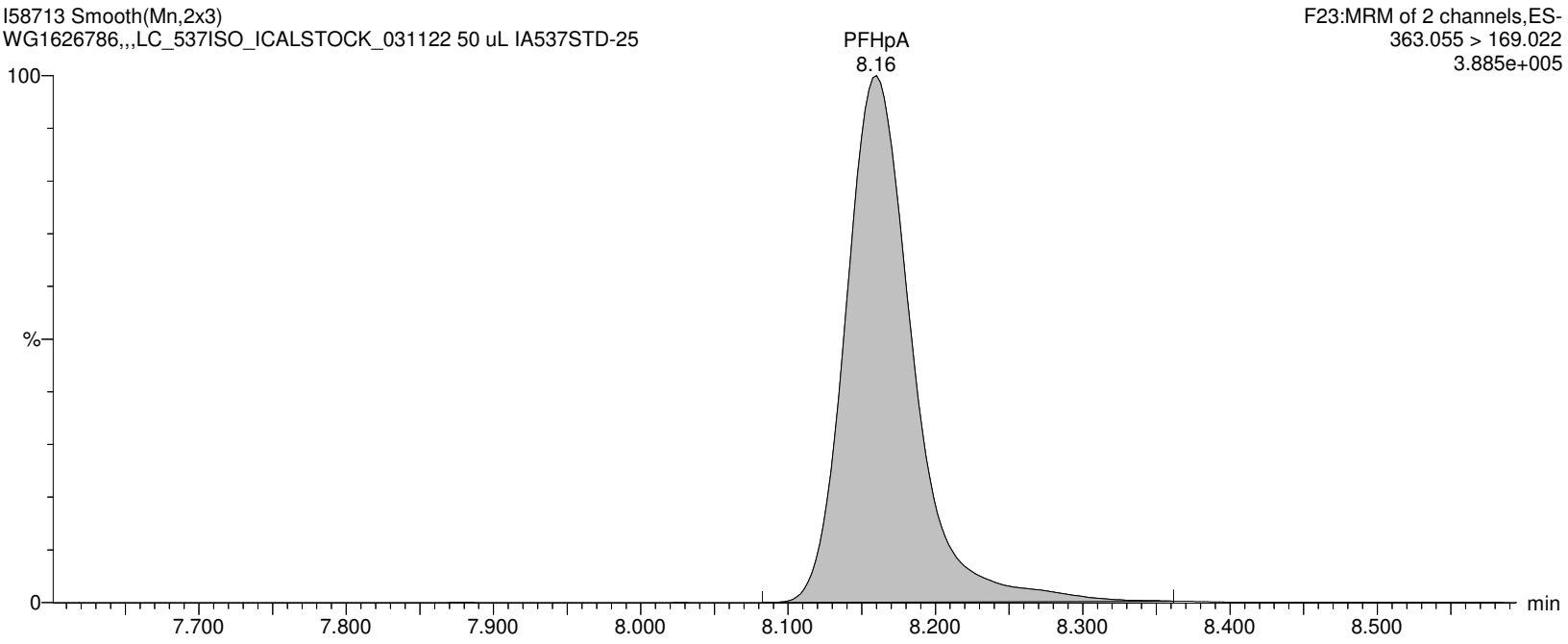
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHpA



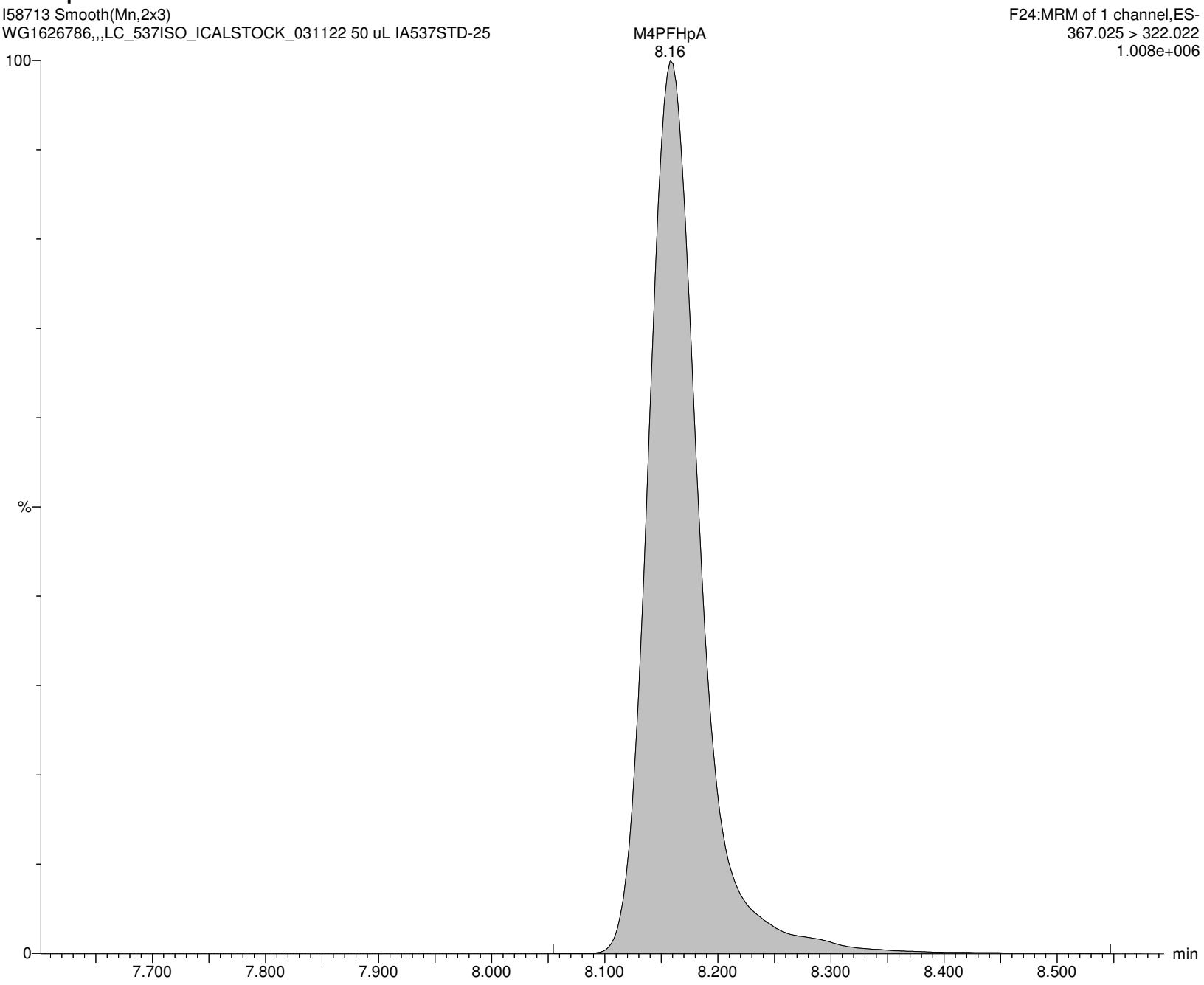


all concentration units in (ng/mL)

Alpha Analytical Inc.
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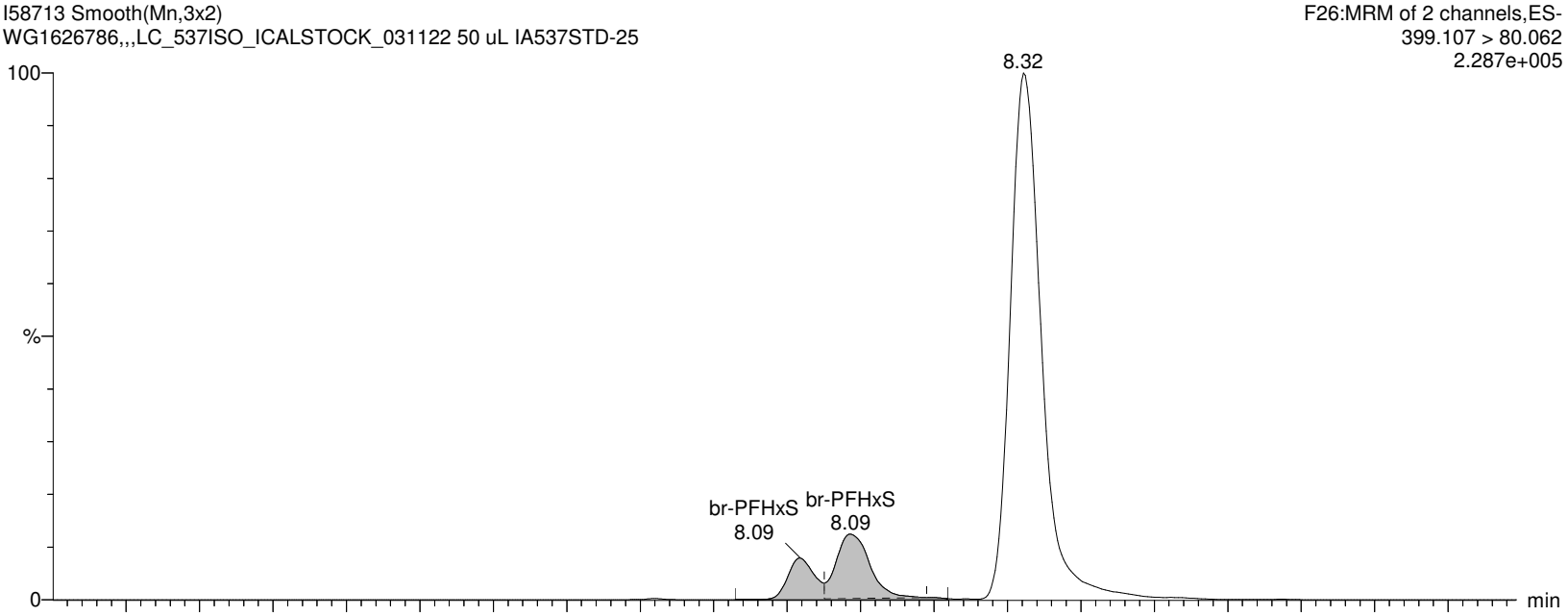


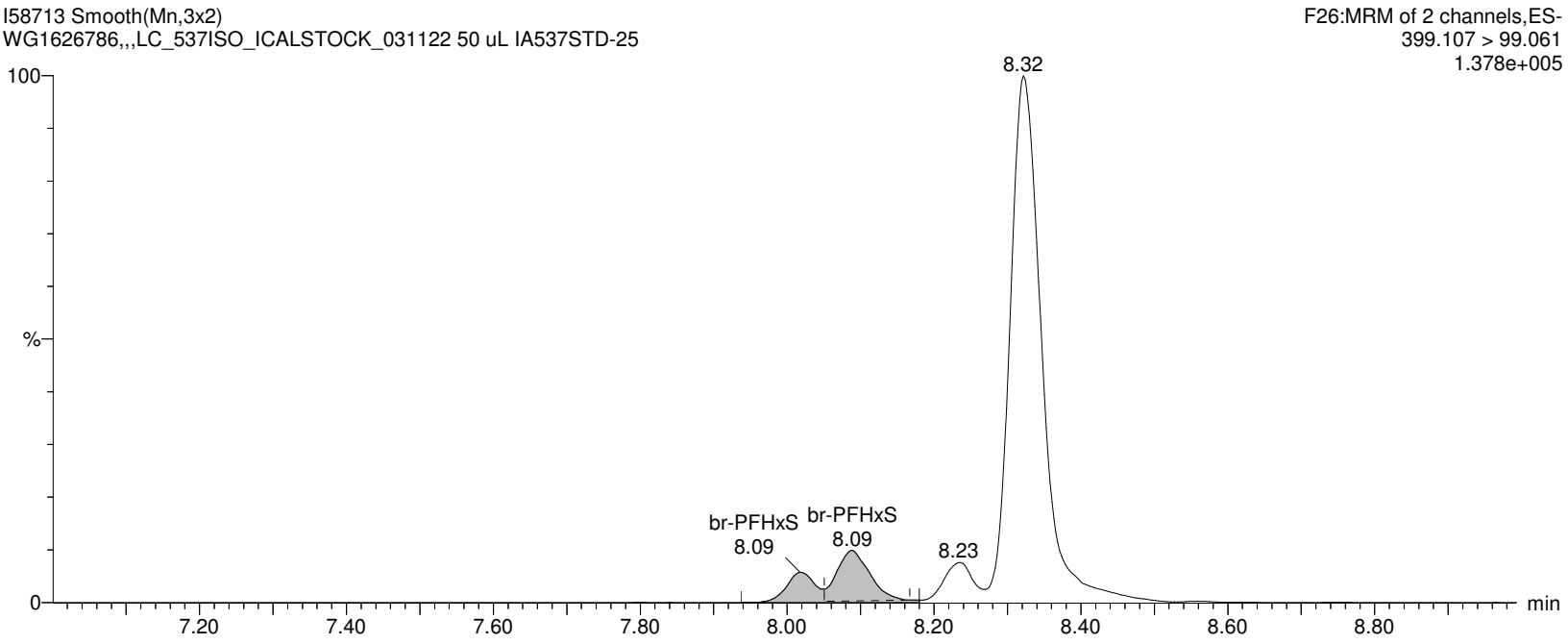
all concentration units in (ng/mL)

Alpha Analytical Inc.
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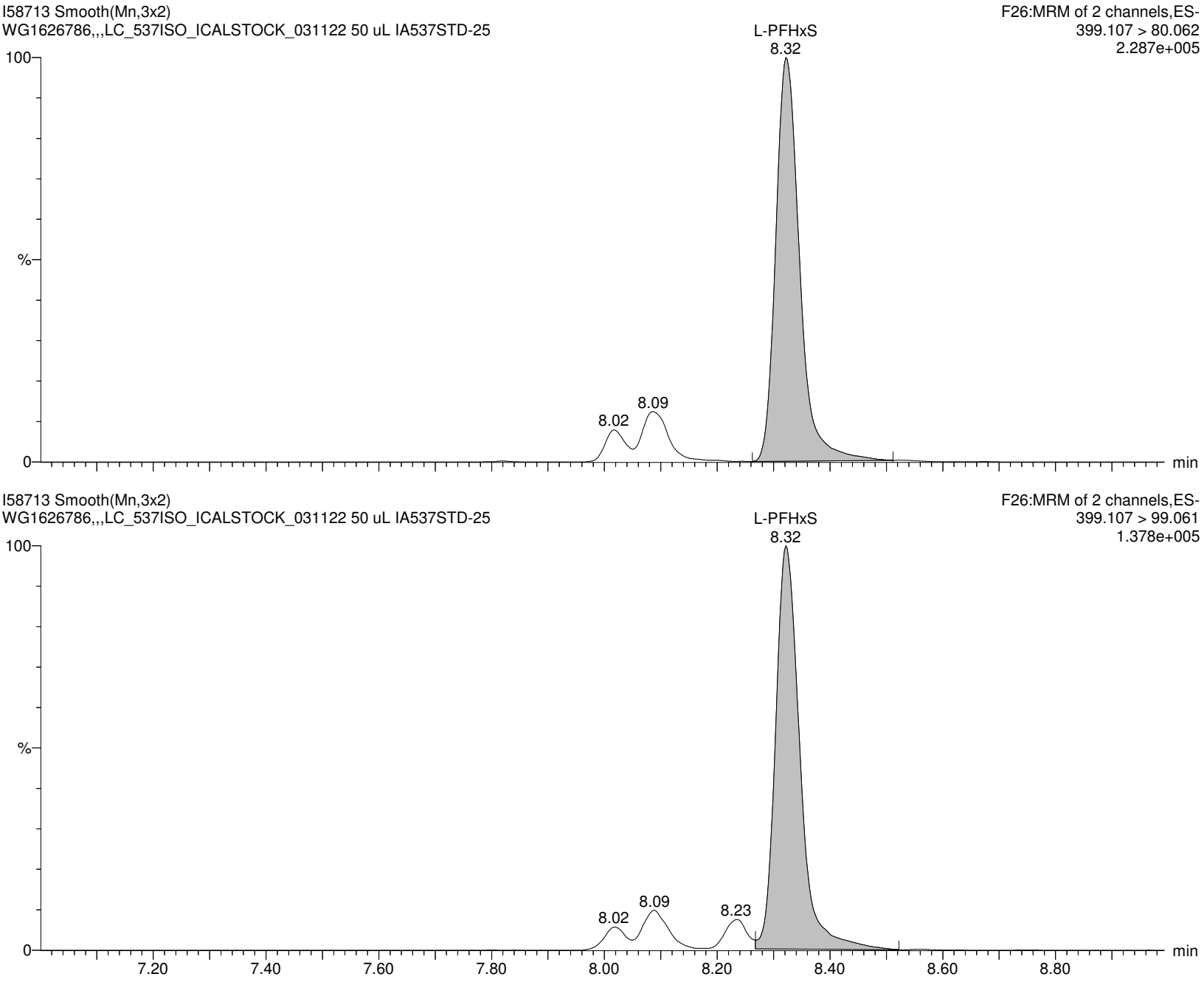


all concentration units in (ng/mL)

Alpha Analytical Inc.
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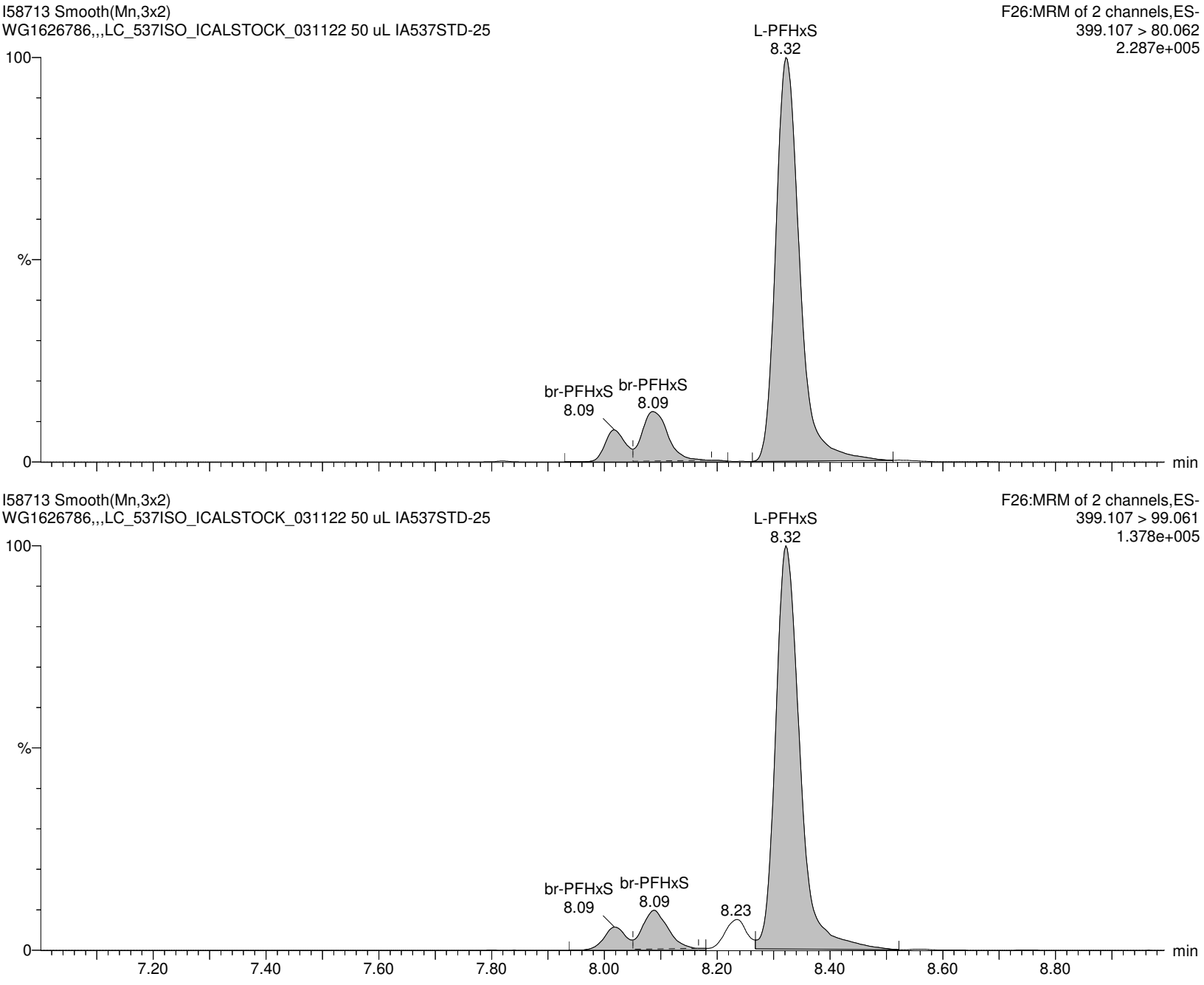


all concentration units in (ng/mL)

Alpha Analytical Inc.
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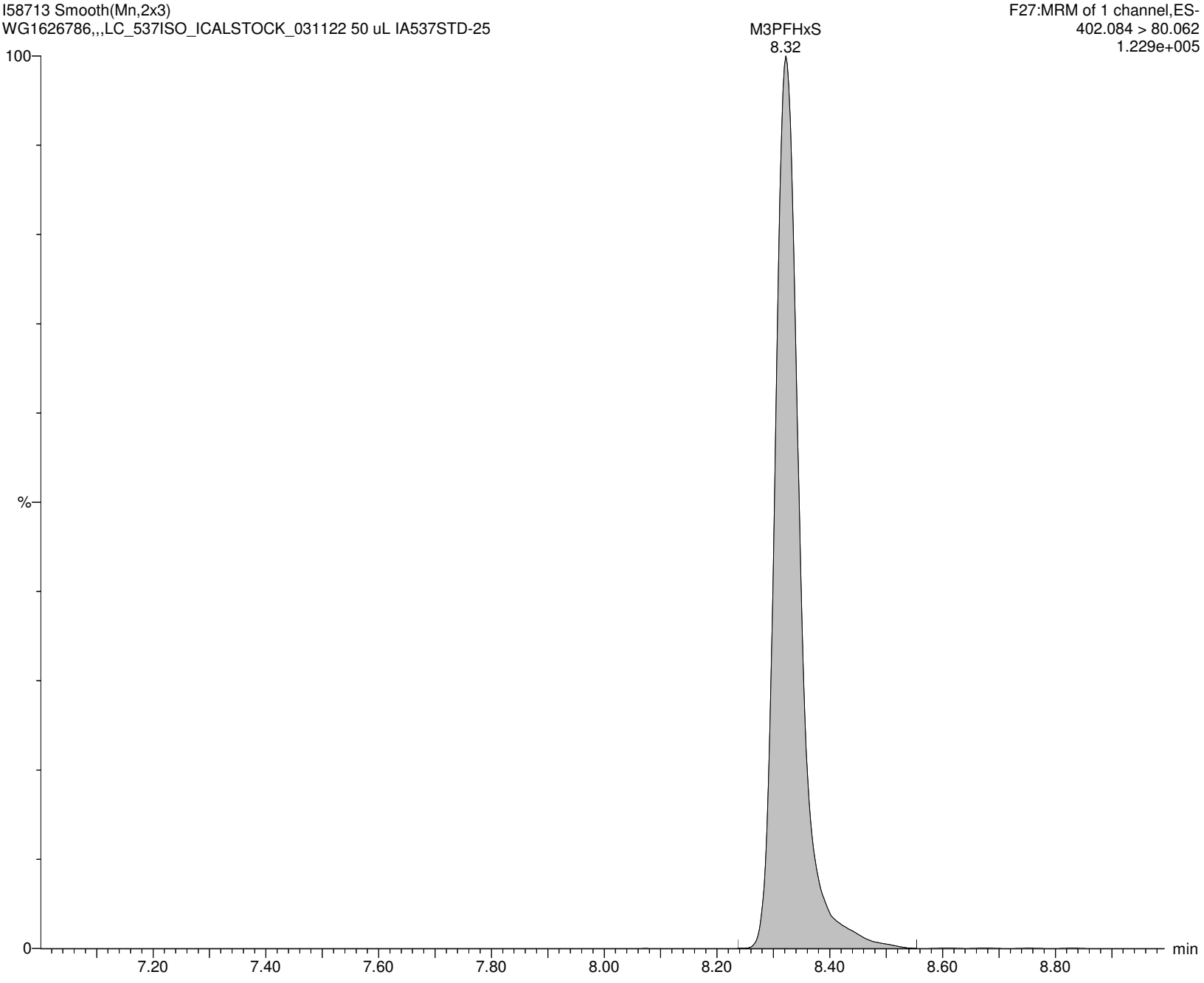


all concentration units in (ng/mL)

Alpha Analytical Inc.
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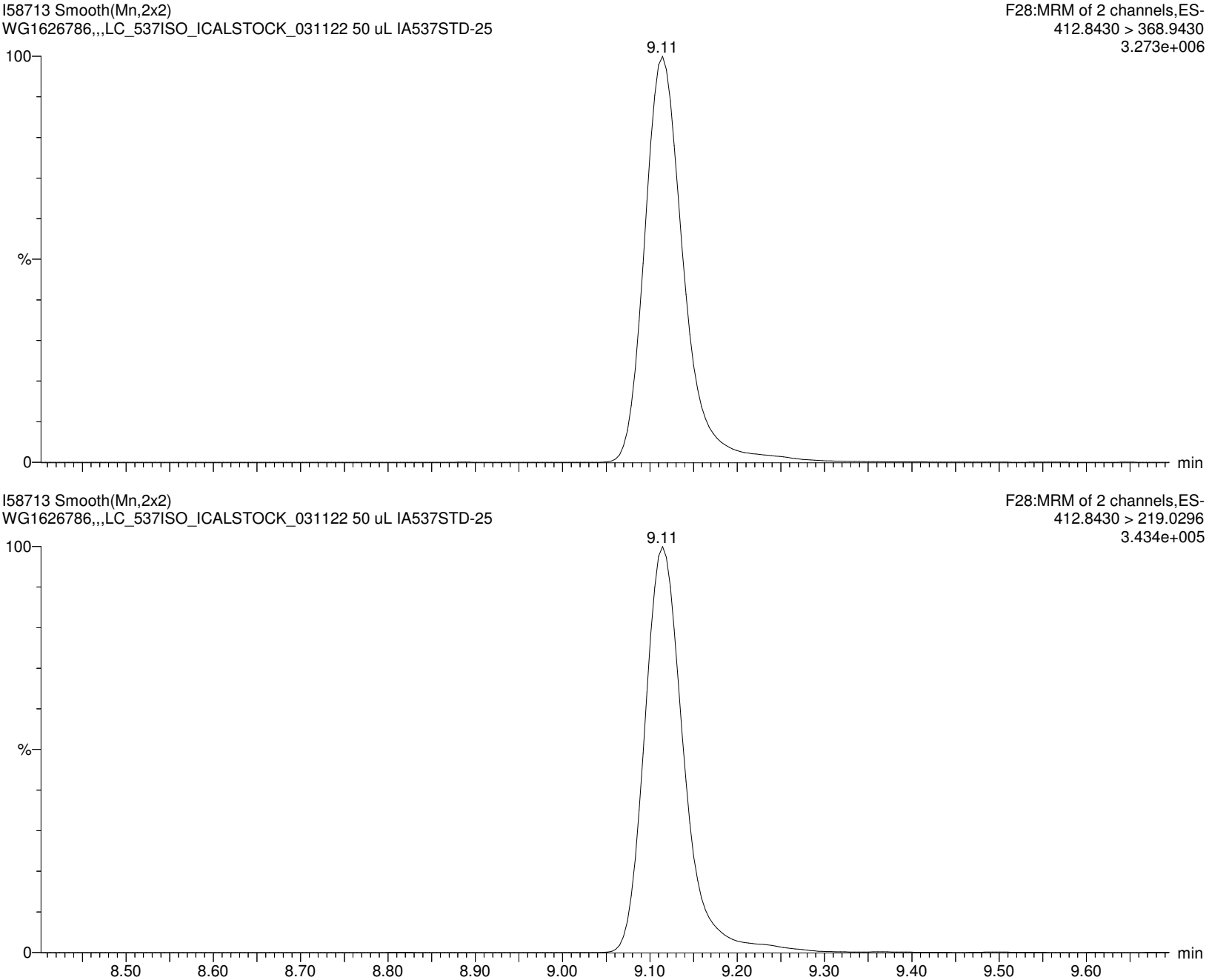


all concentration units in (ng/mL)

Alpha Analytical Inc.
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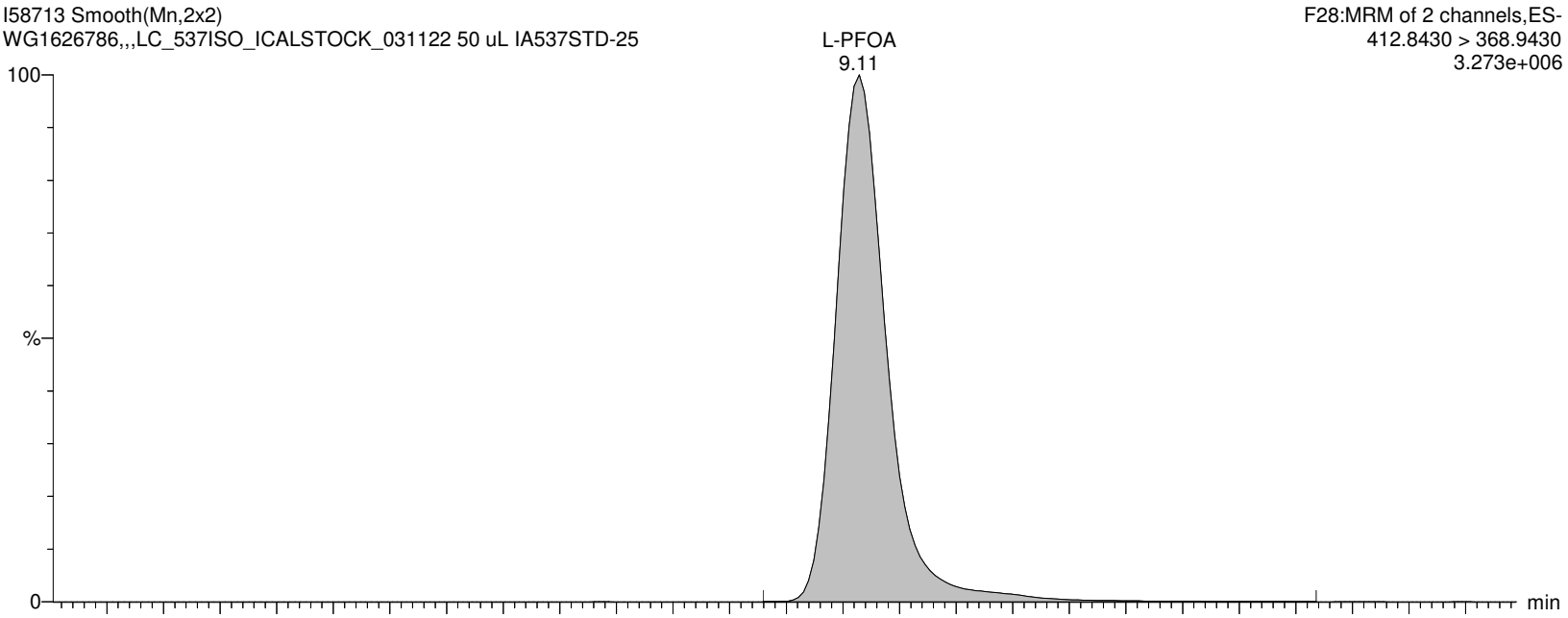


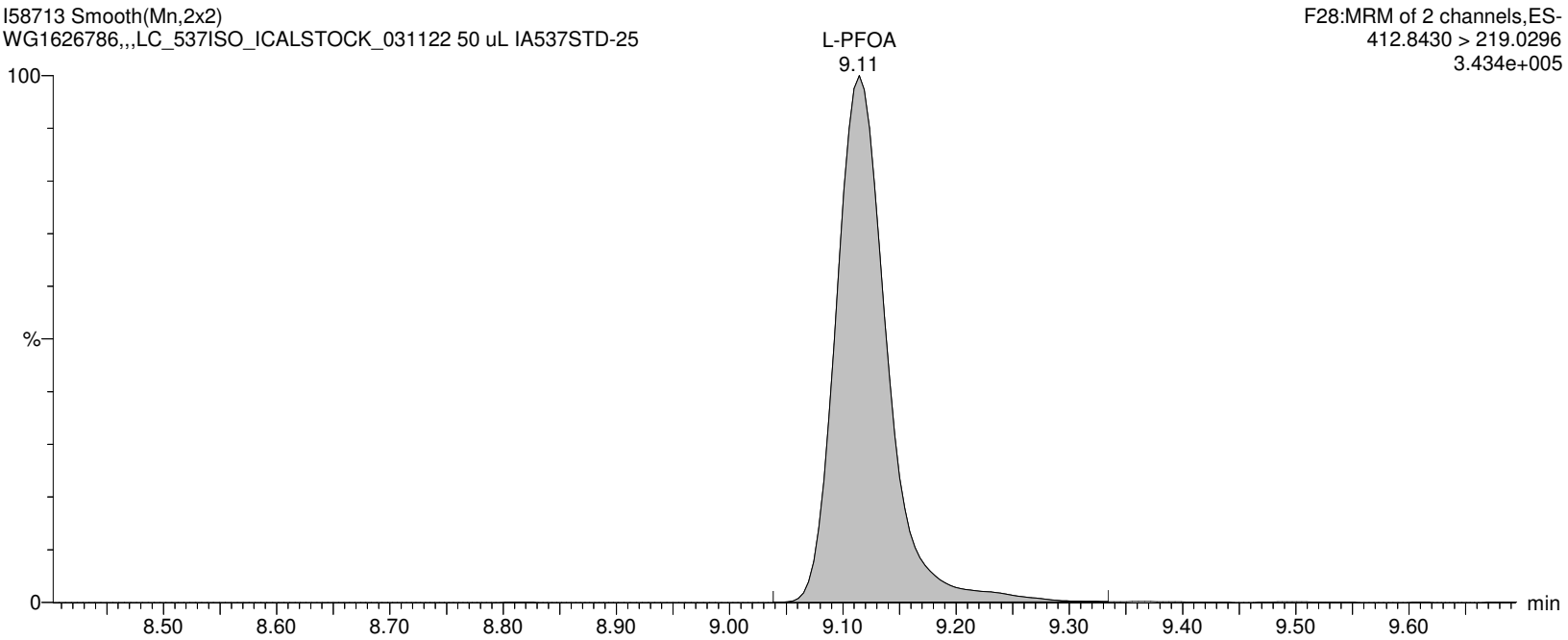
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOA



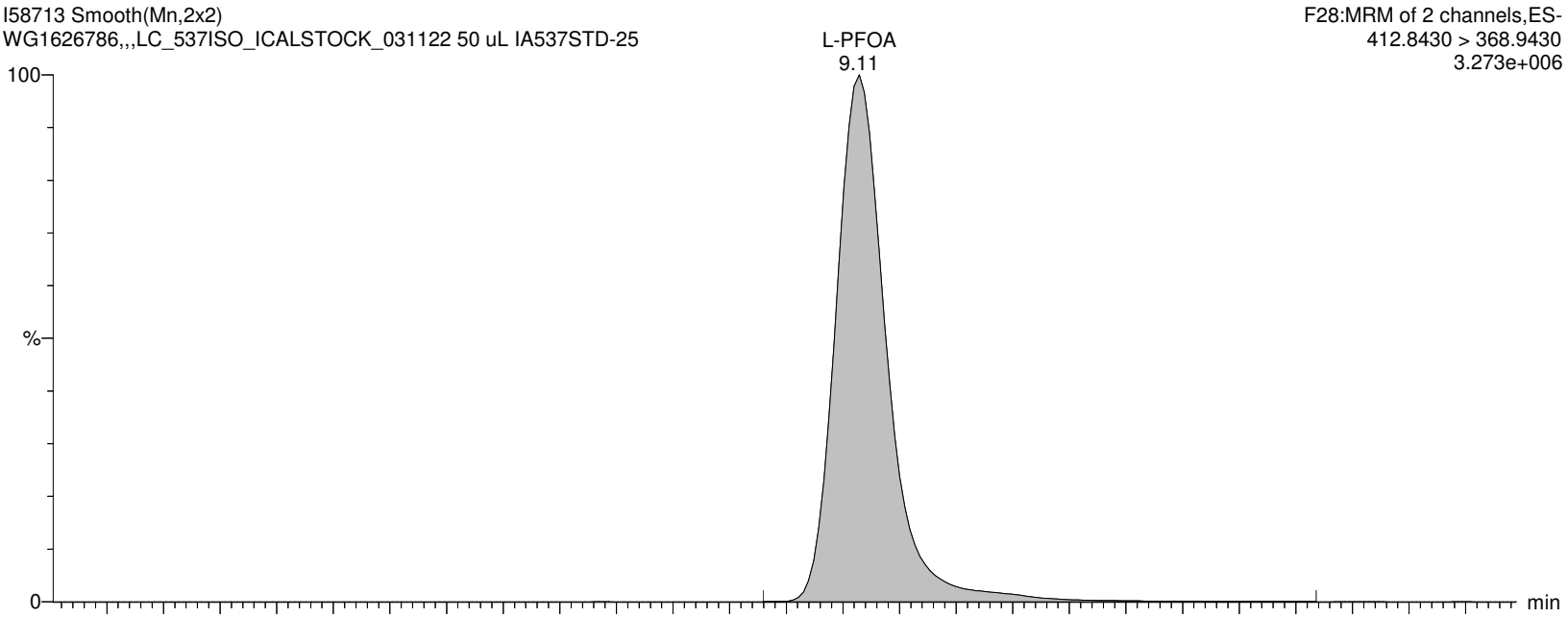


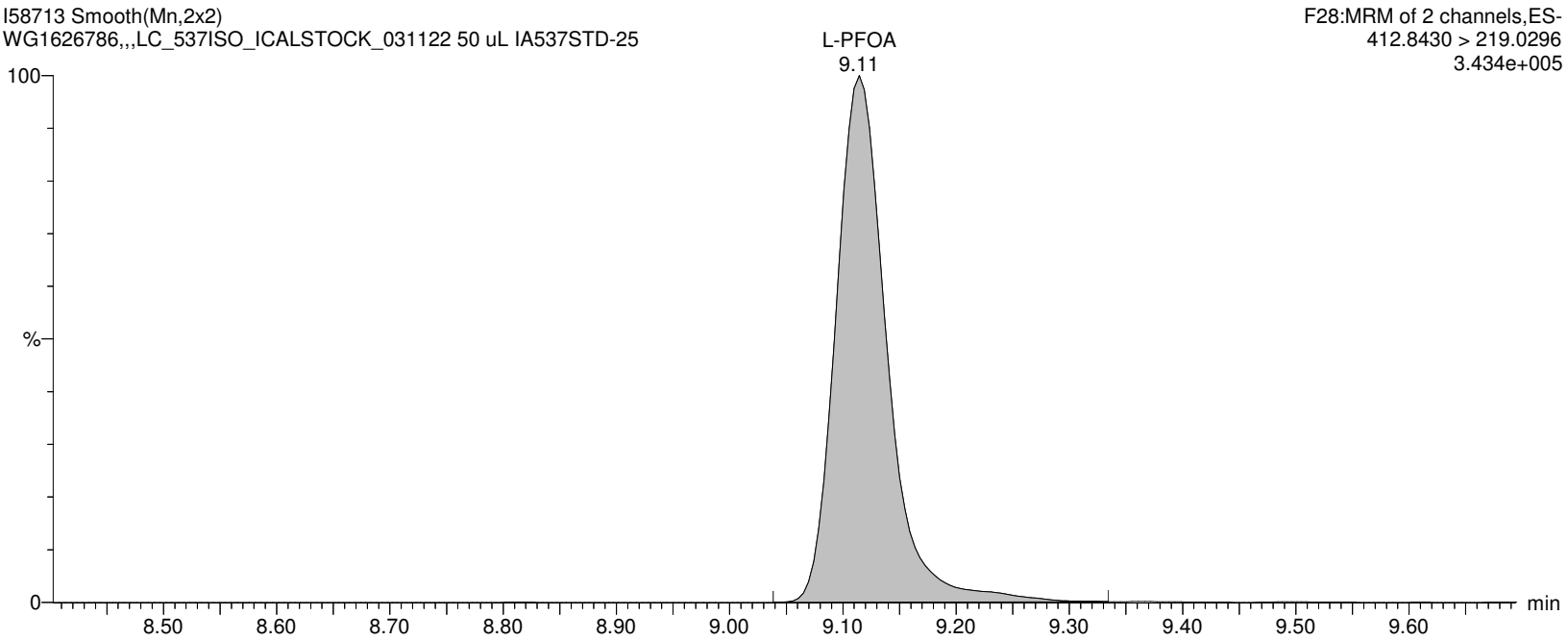
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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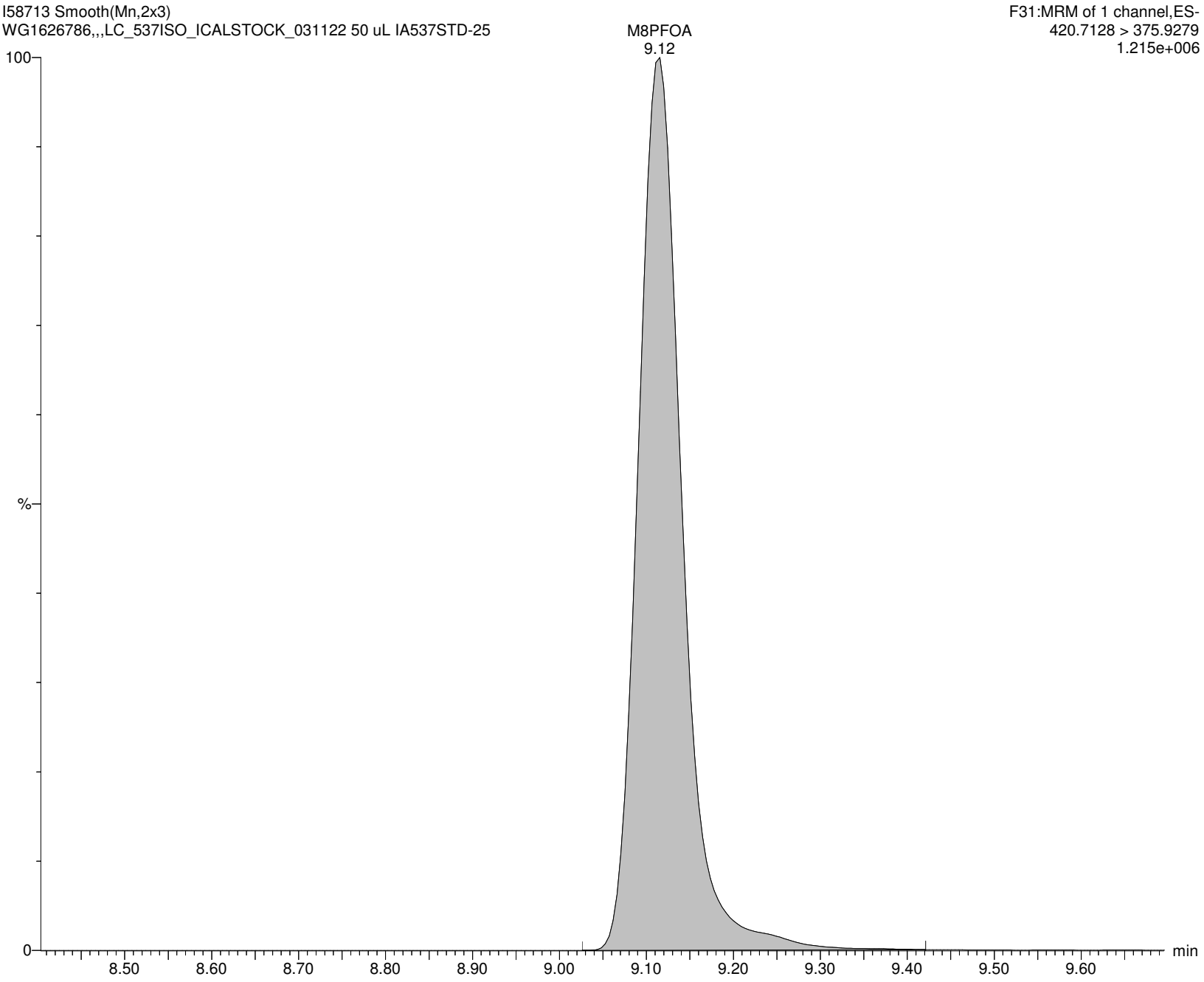


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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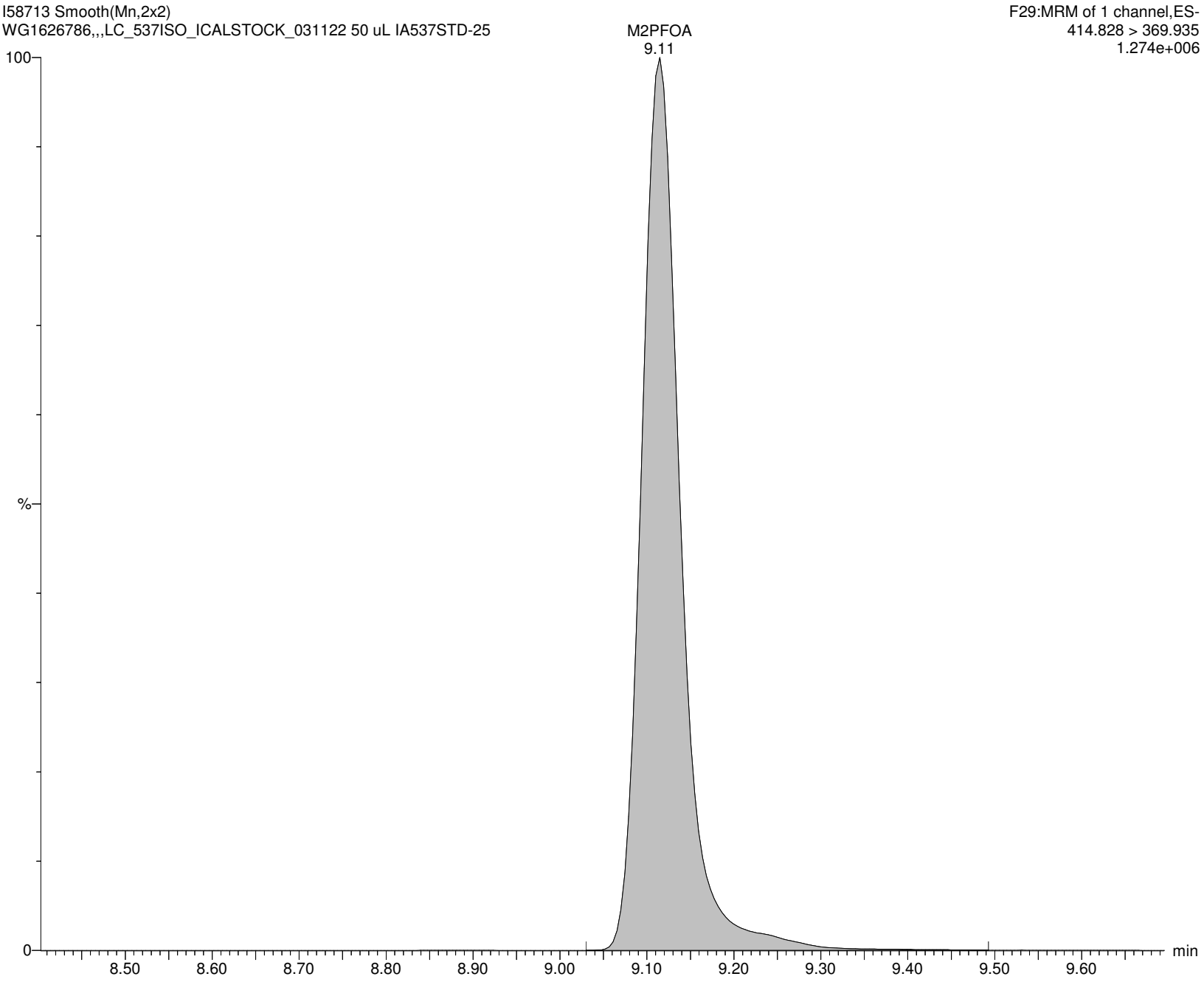


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,7
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M2PFOA

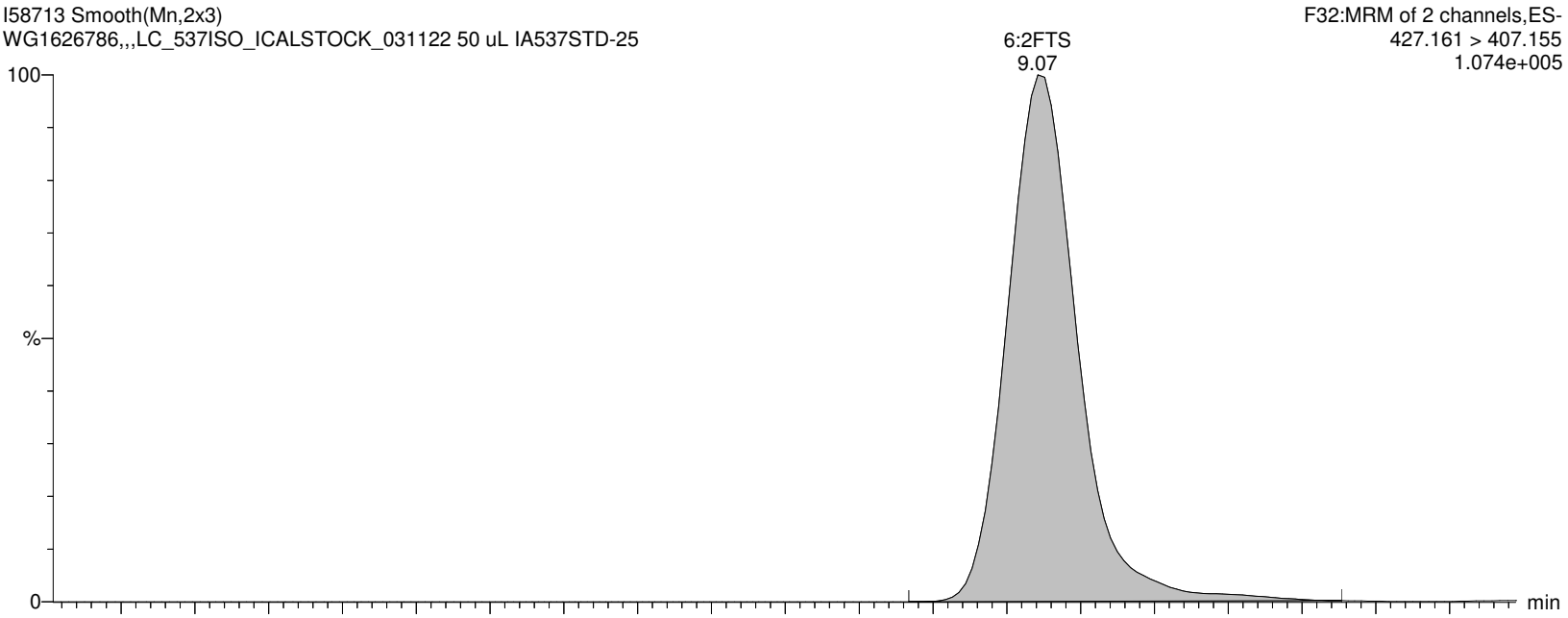


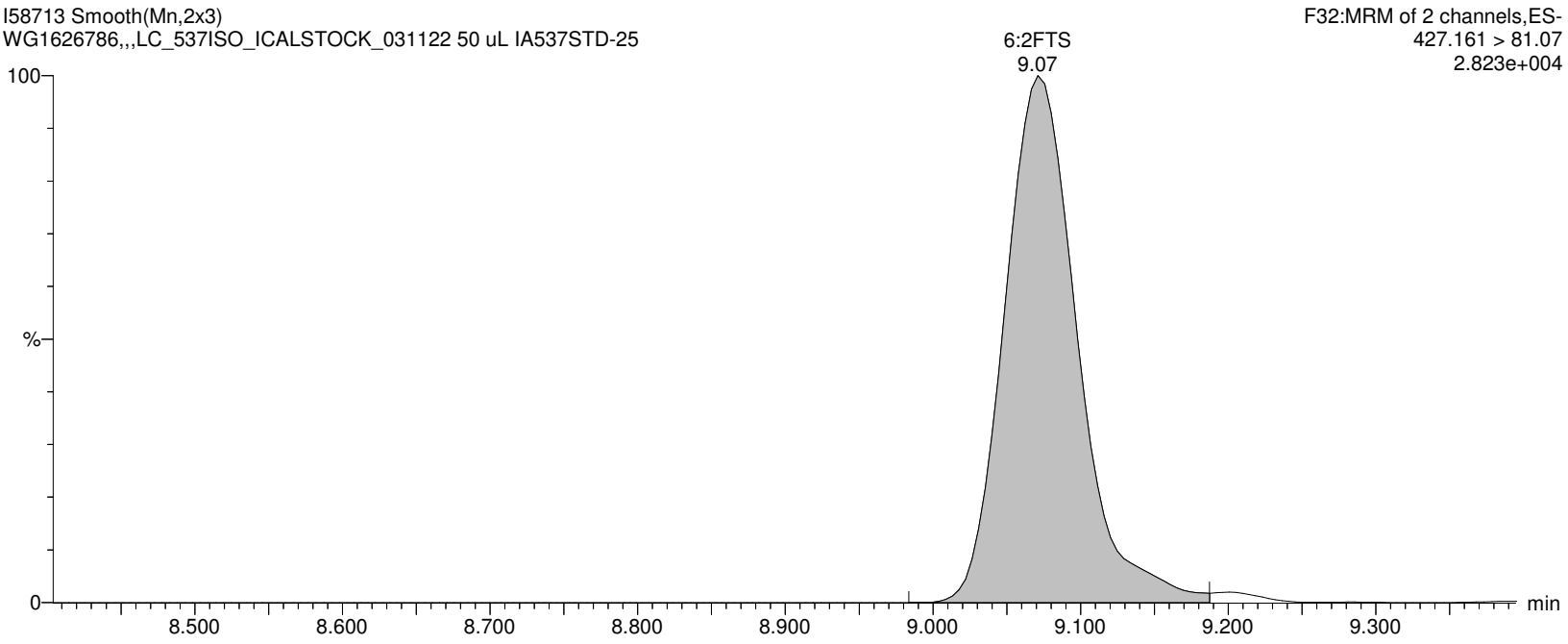
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:23 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:39:29
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User: LCMS02:MP
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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6:2FTS



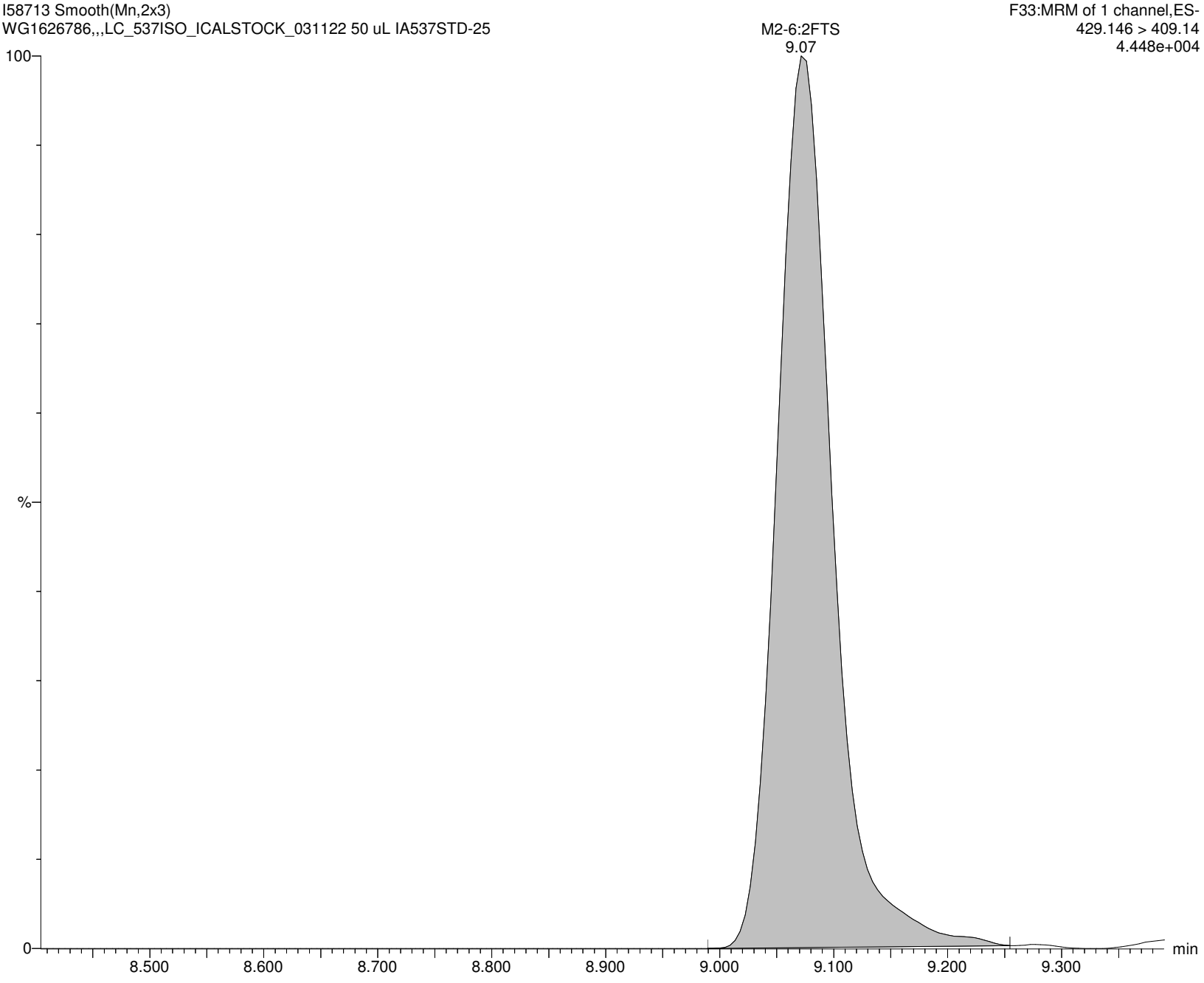


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2-6:2FTS

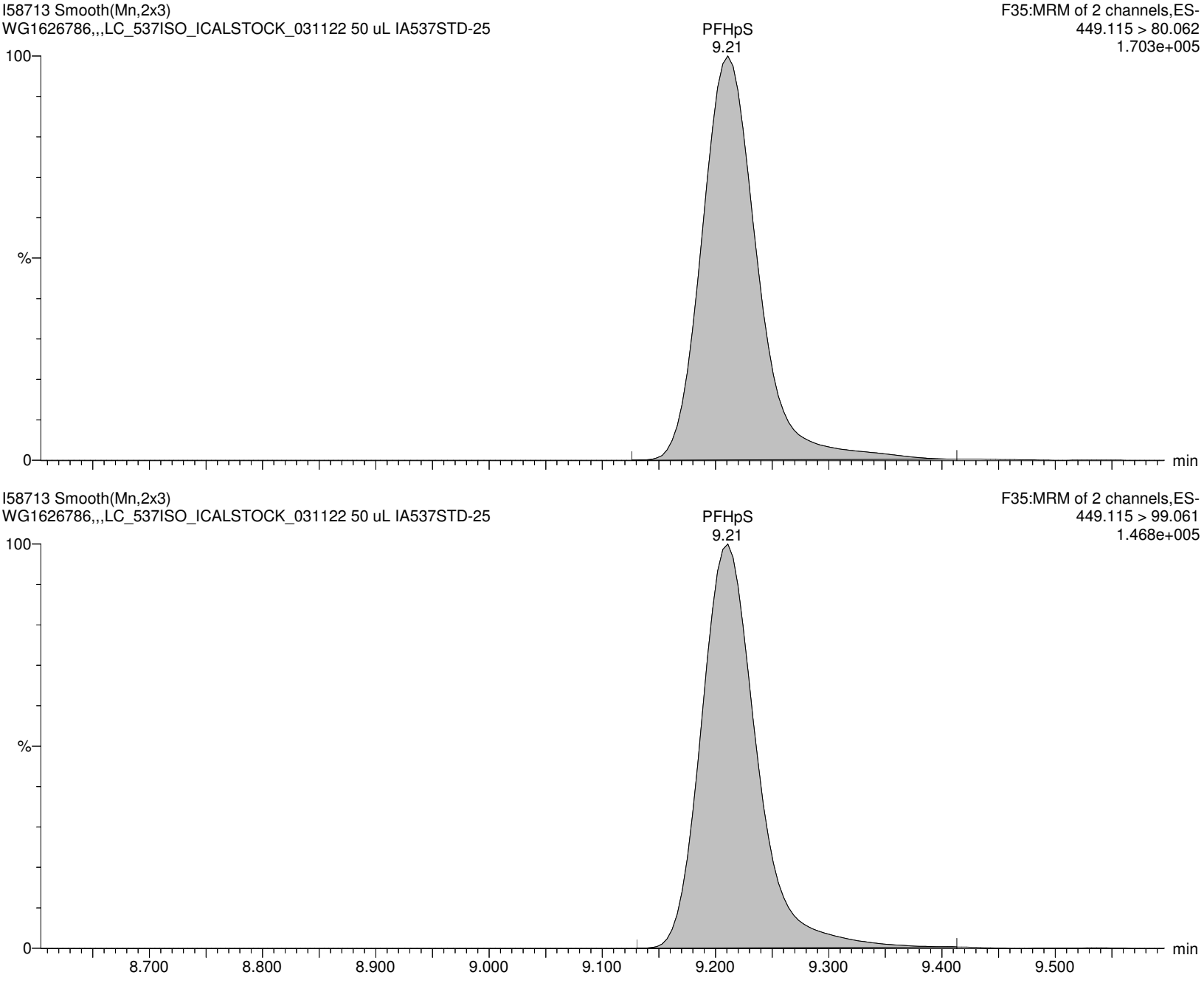


all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHpS

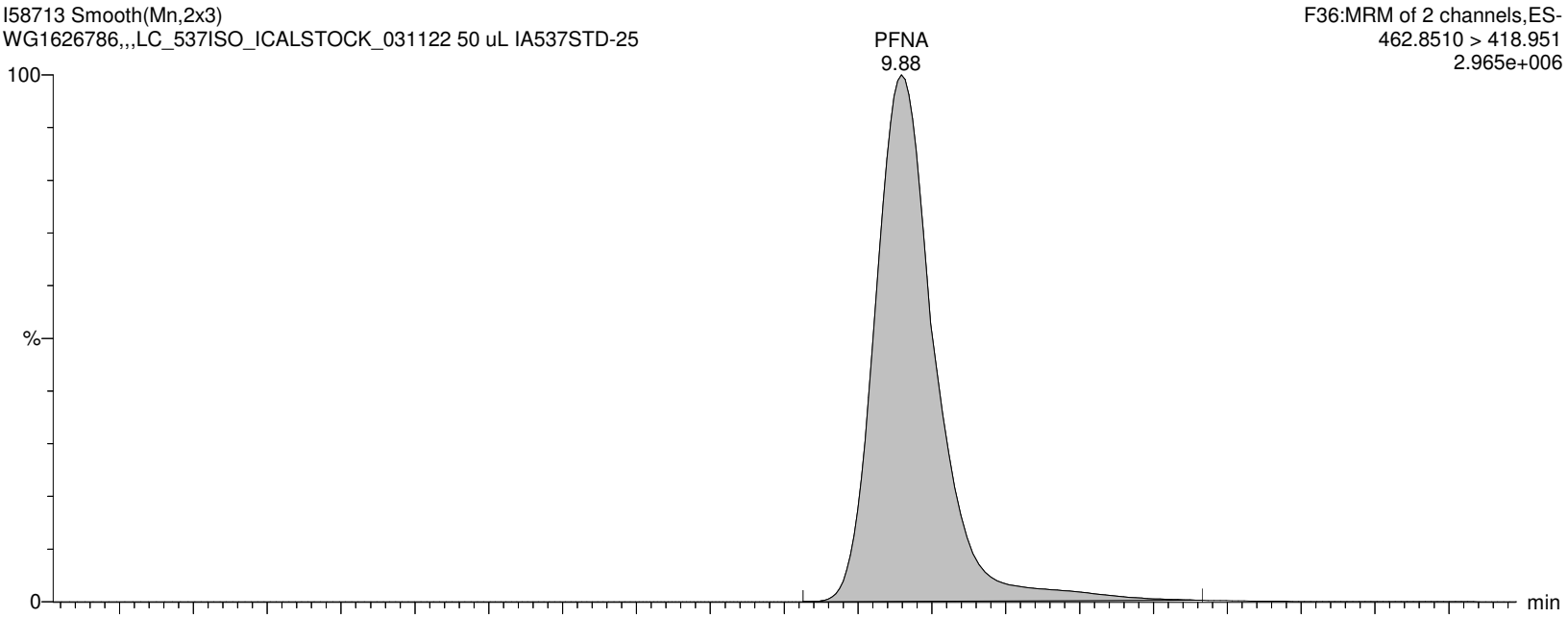


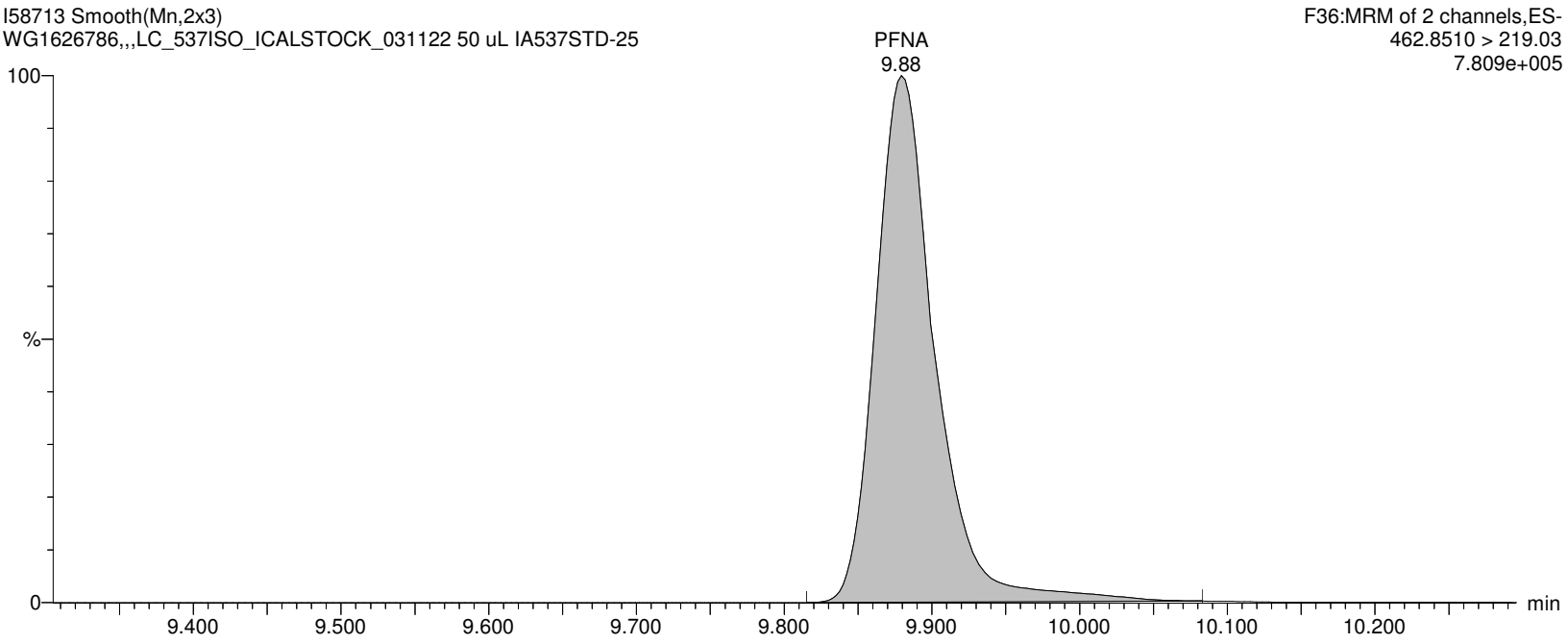
all concentration units in (ng/mL)

Alpha Analytical Inc.
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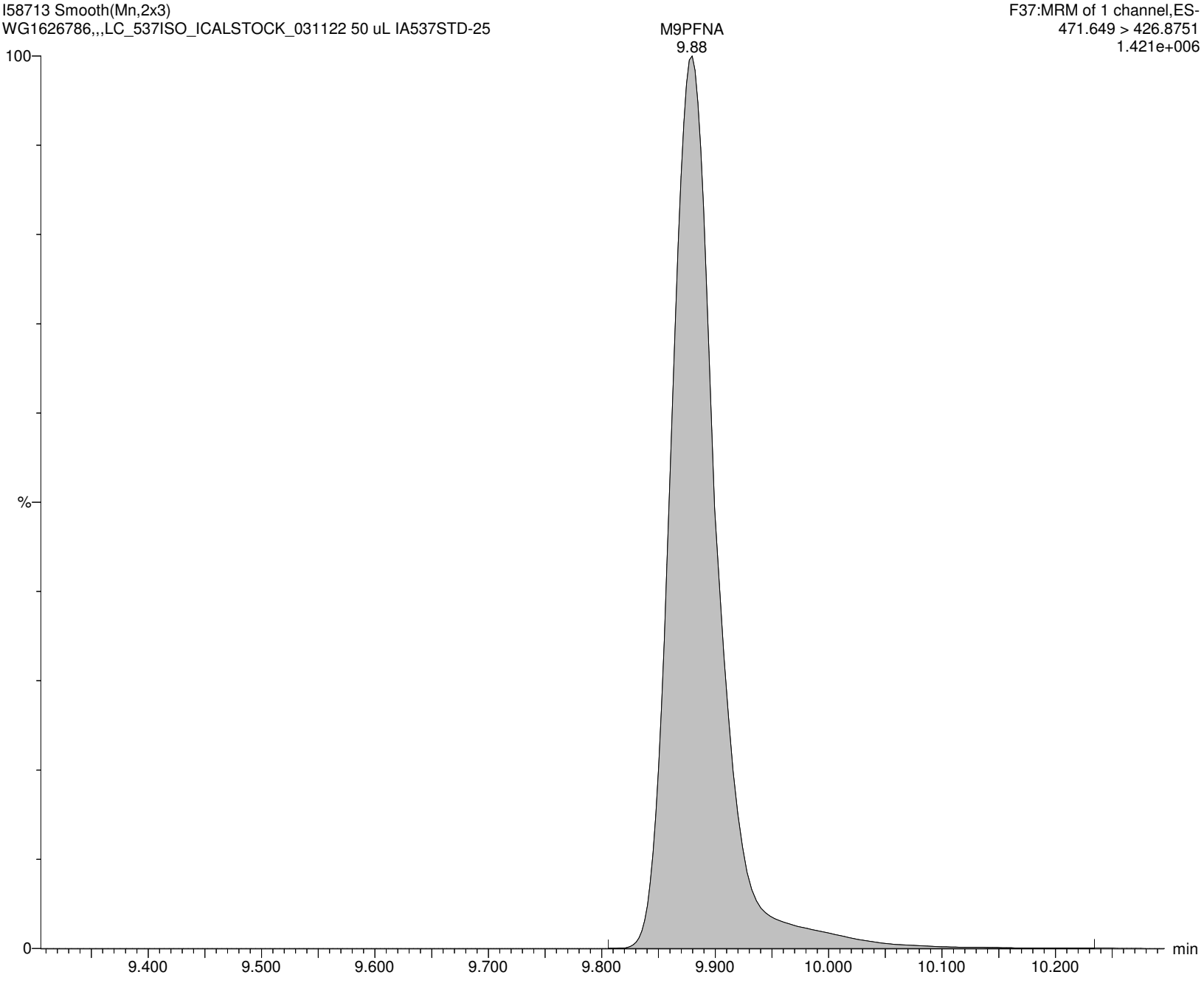


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M9PFNA

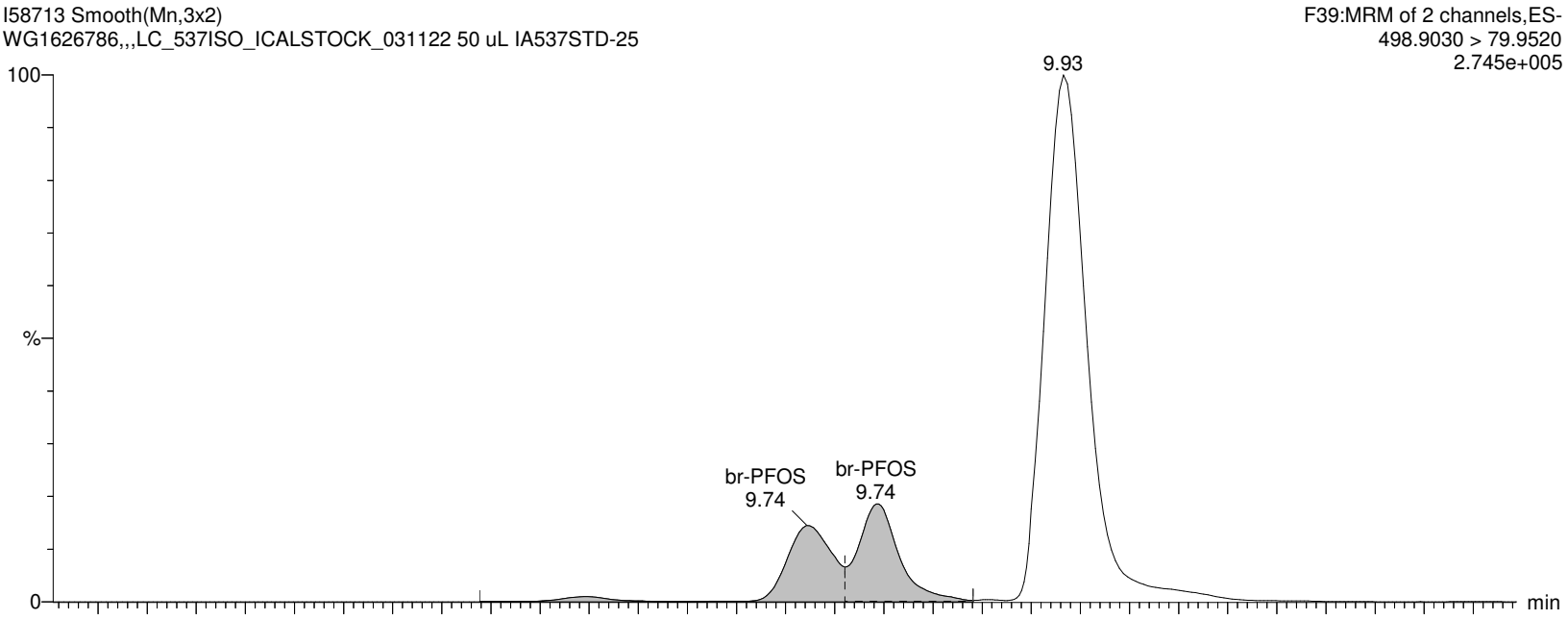


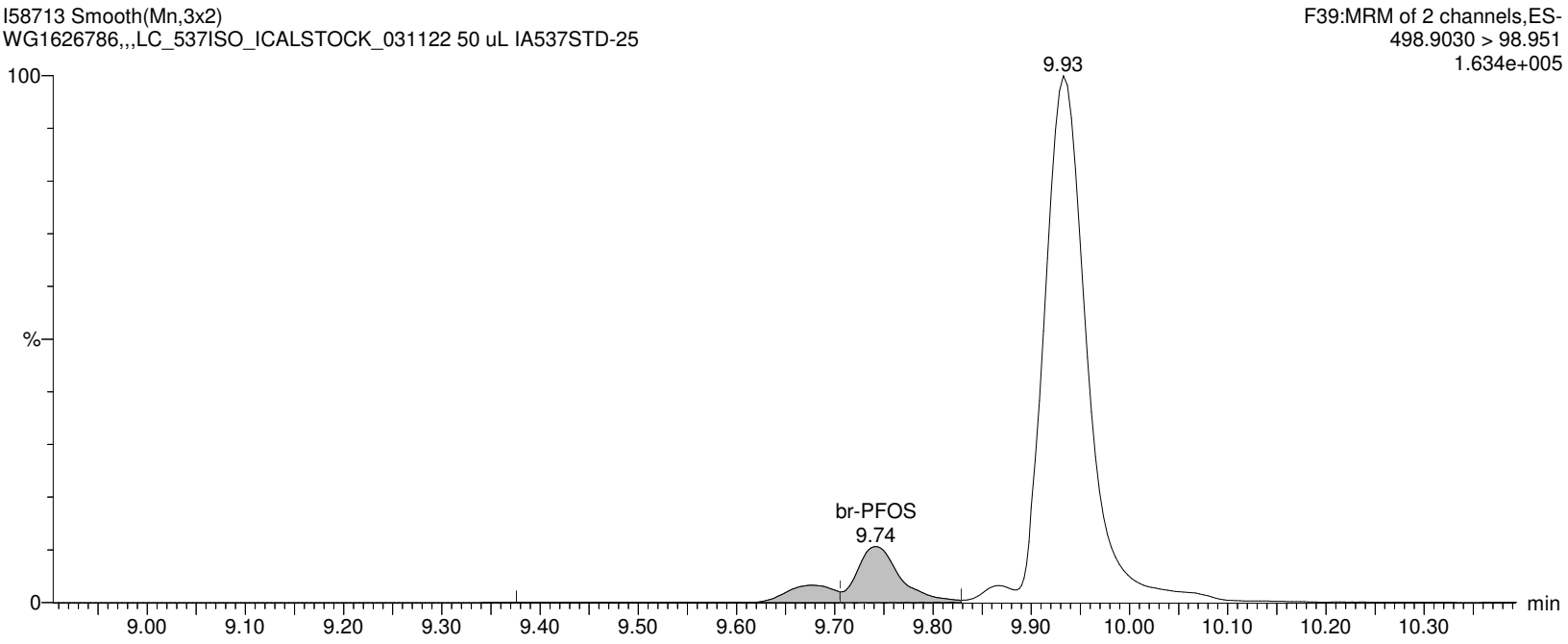
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-PFOS



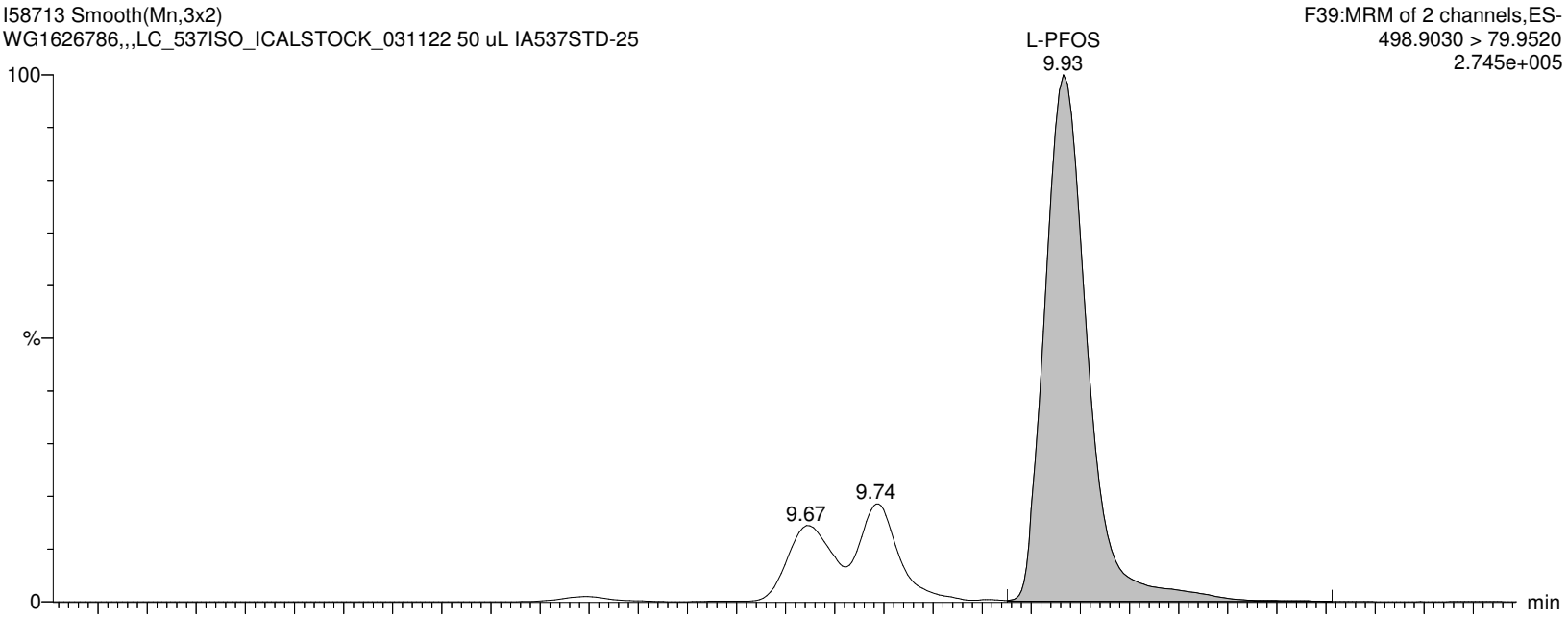


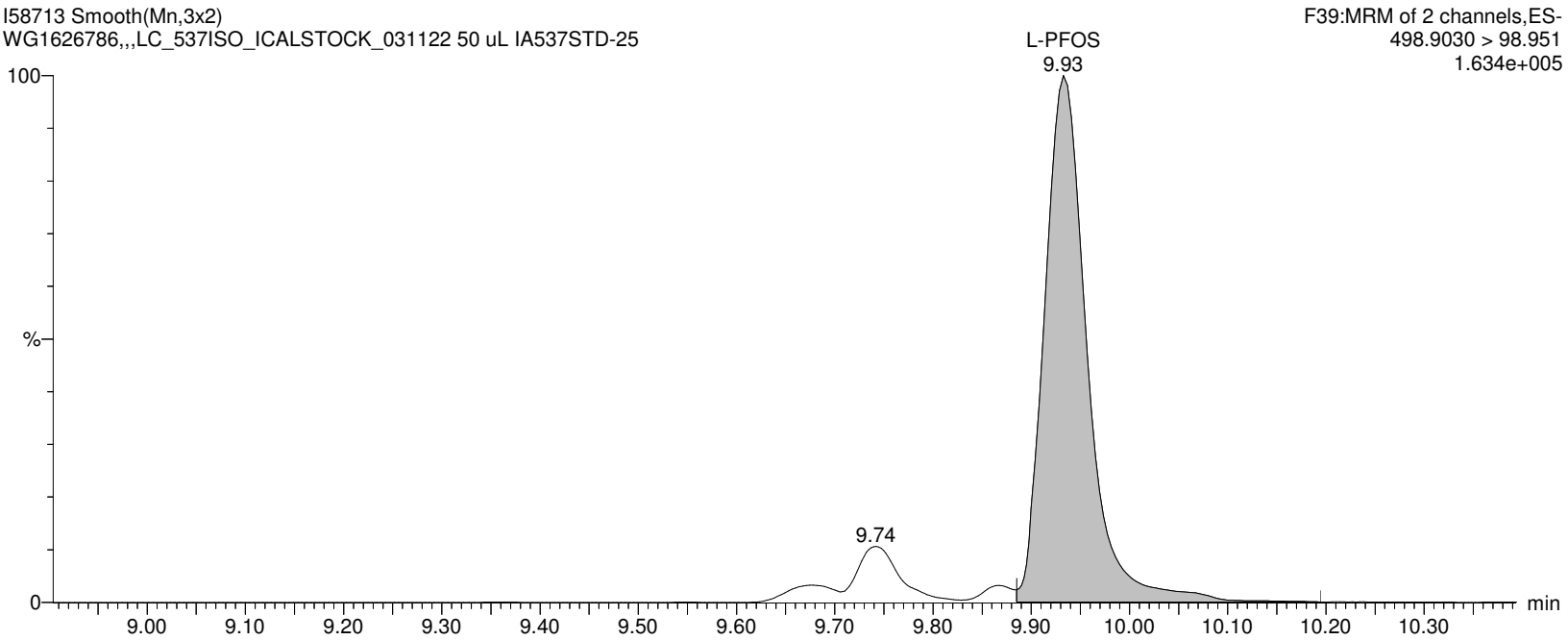
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOS



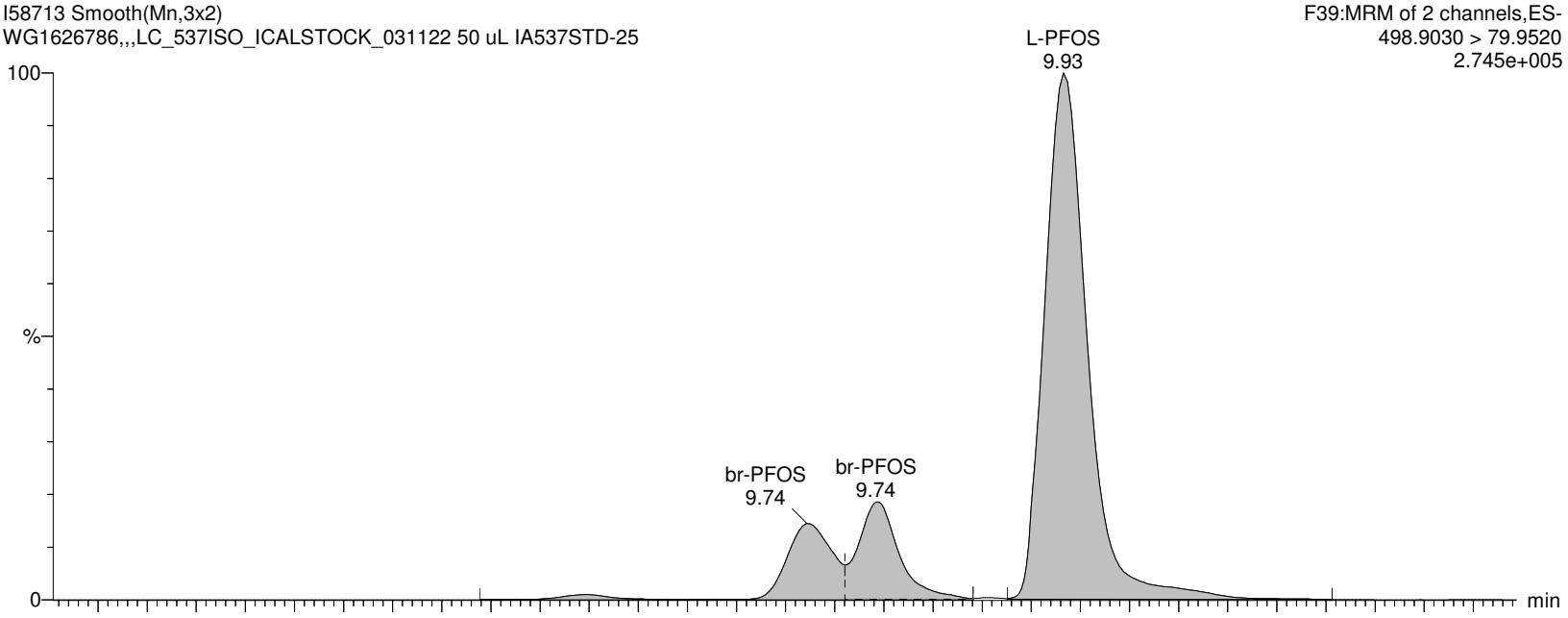


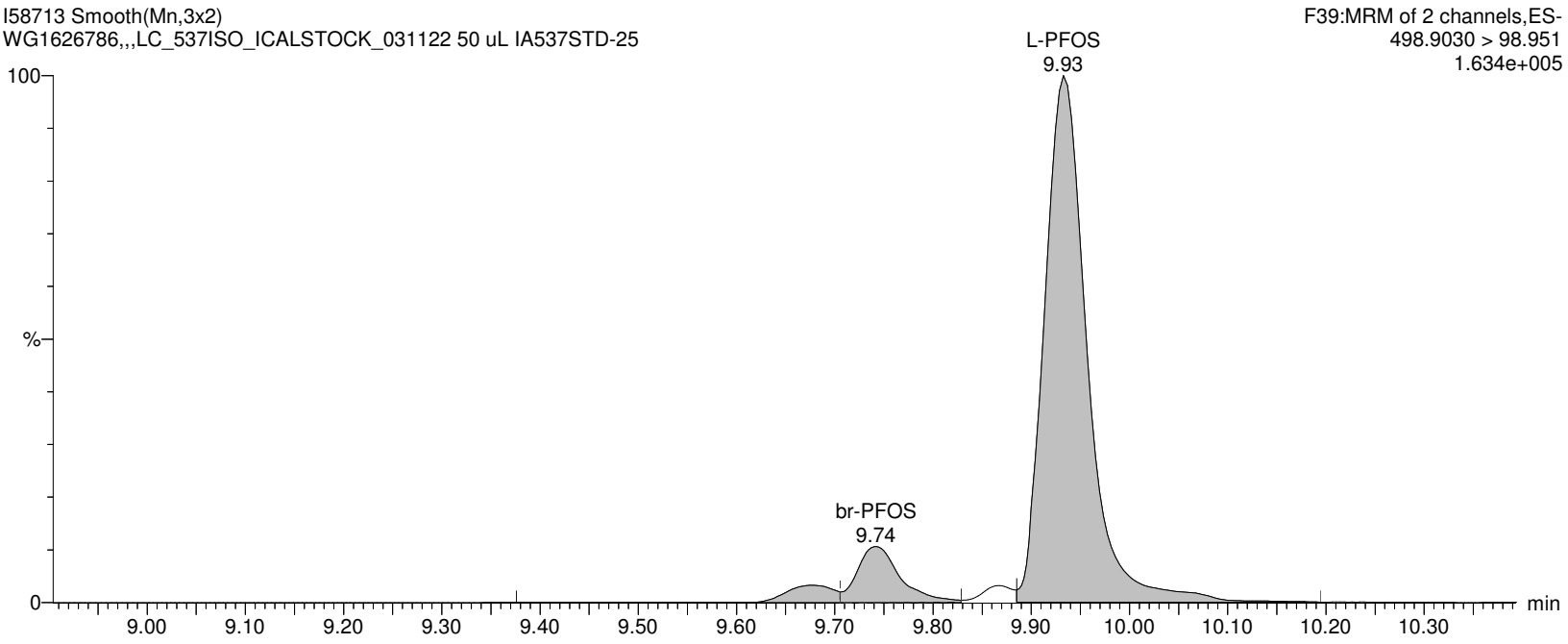
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



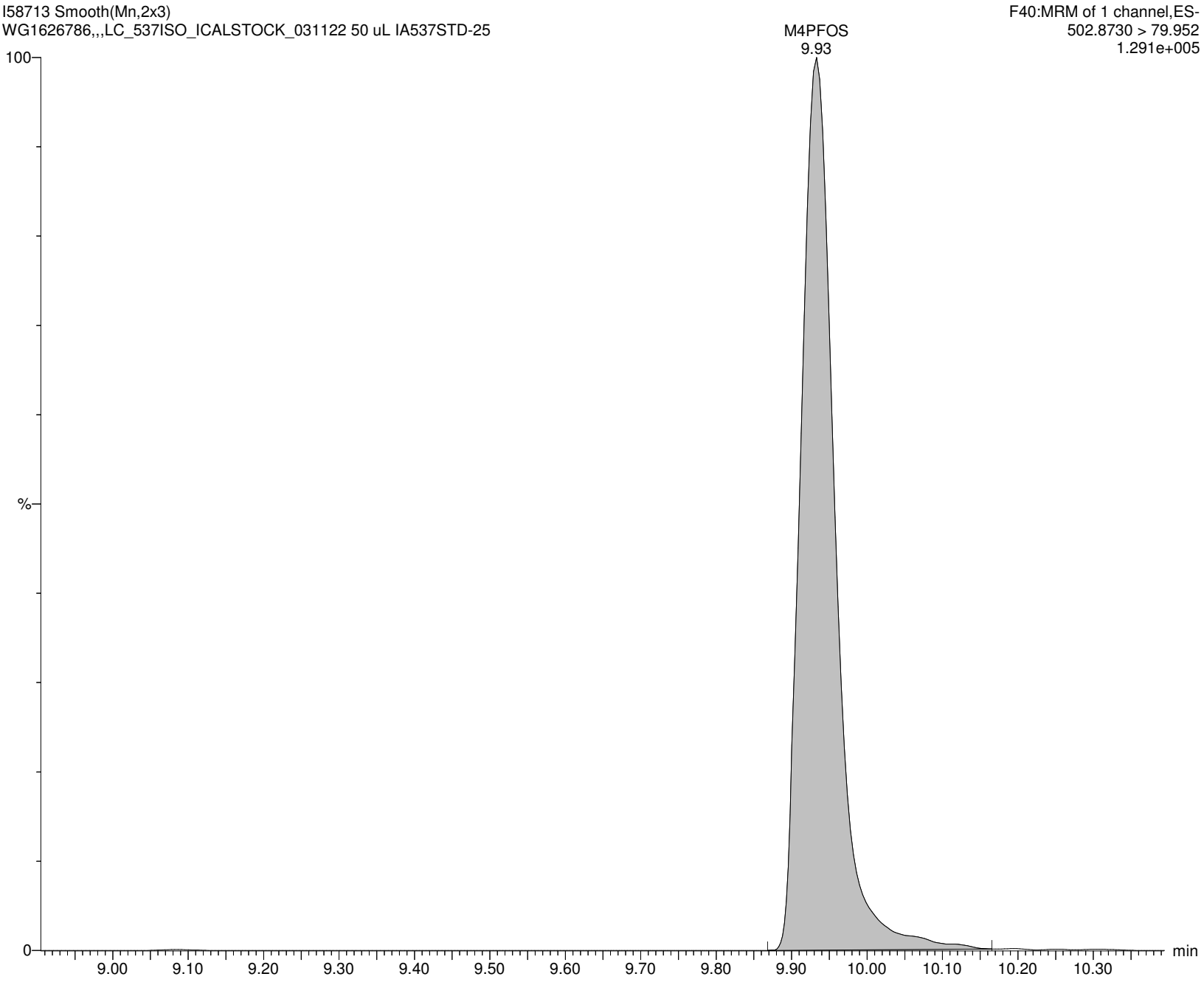


all concentration units in (ng/mL)

Alpha Analytical Inc.
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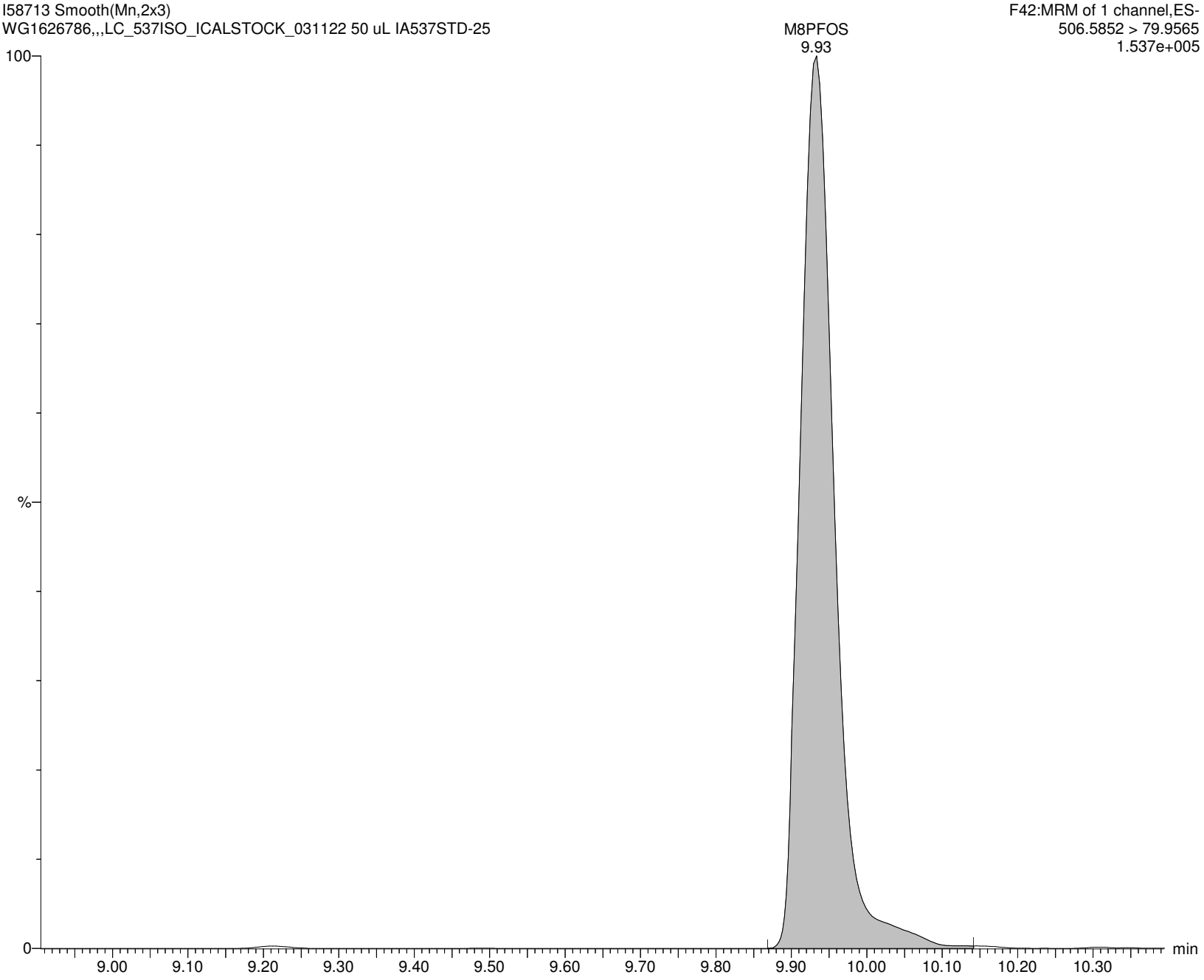


all concentration units in (ng/mL)

Alpha Analytical Inc.
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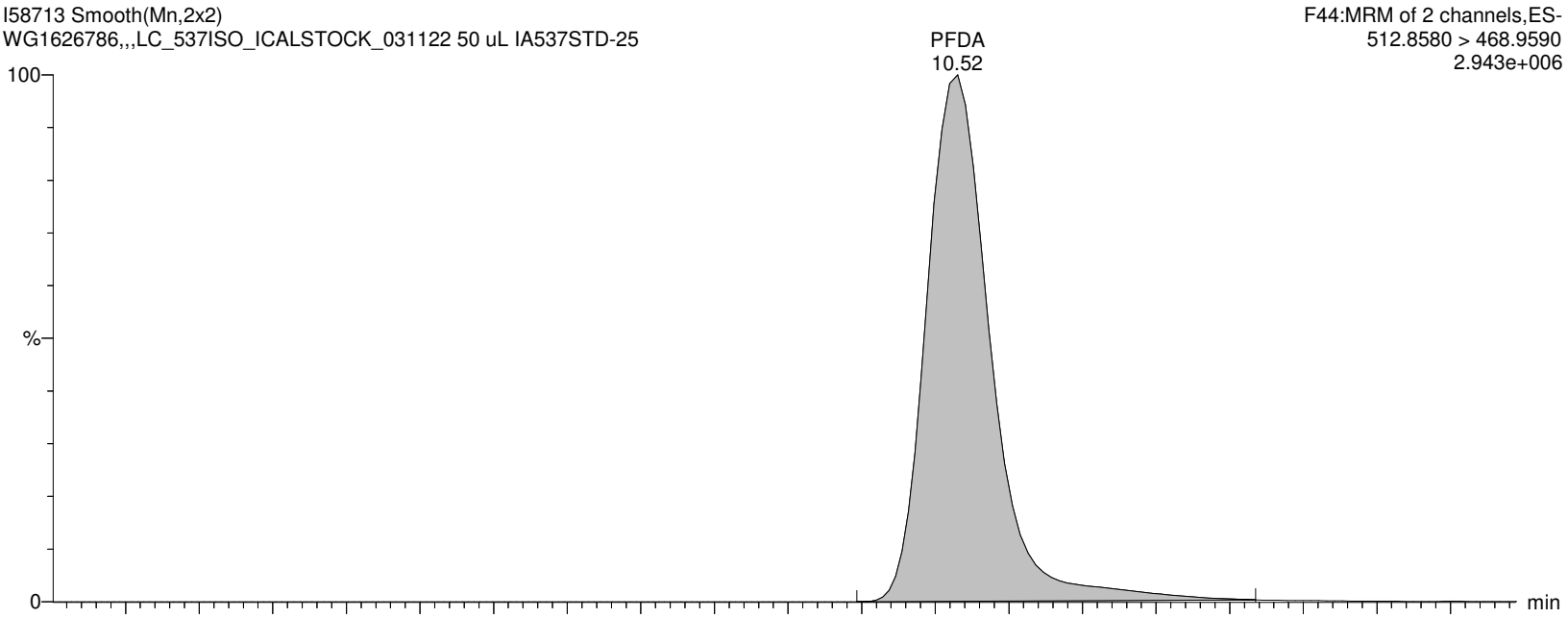


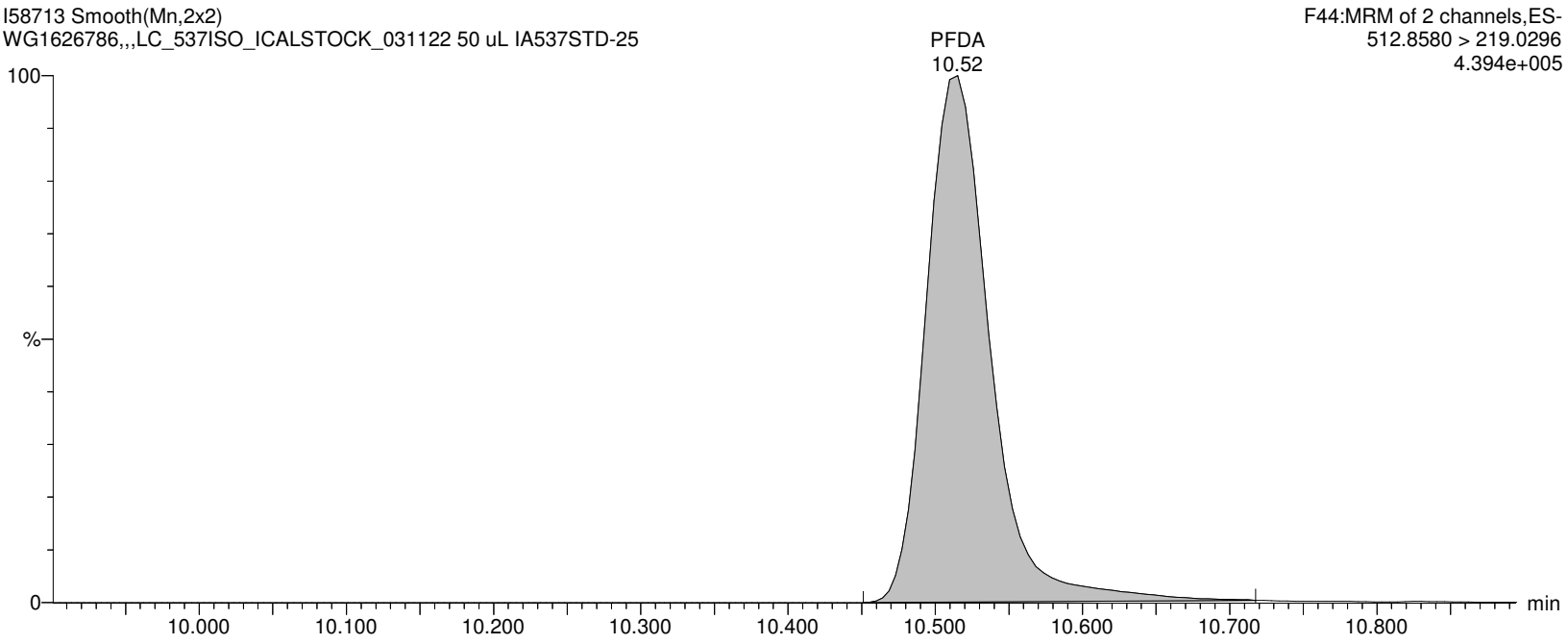
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDA



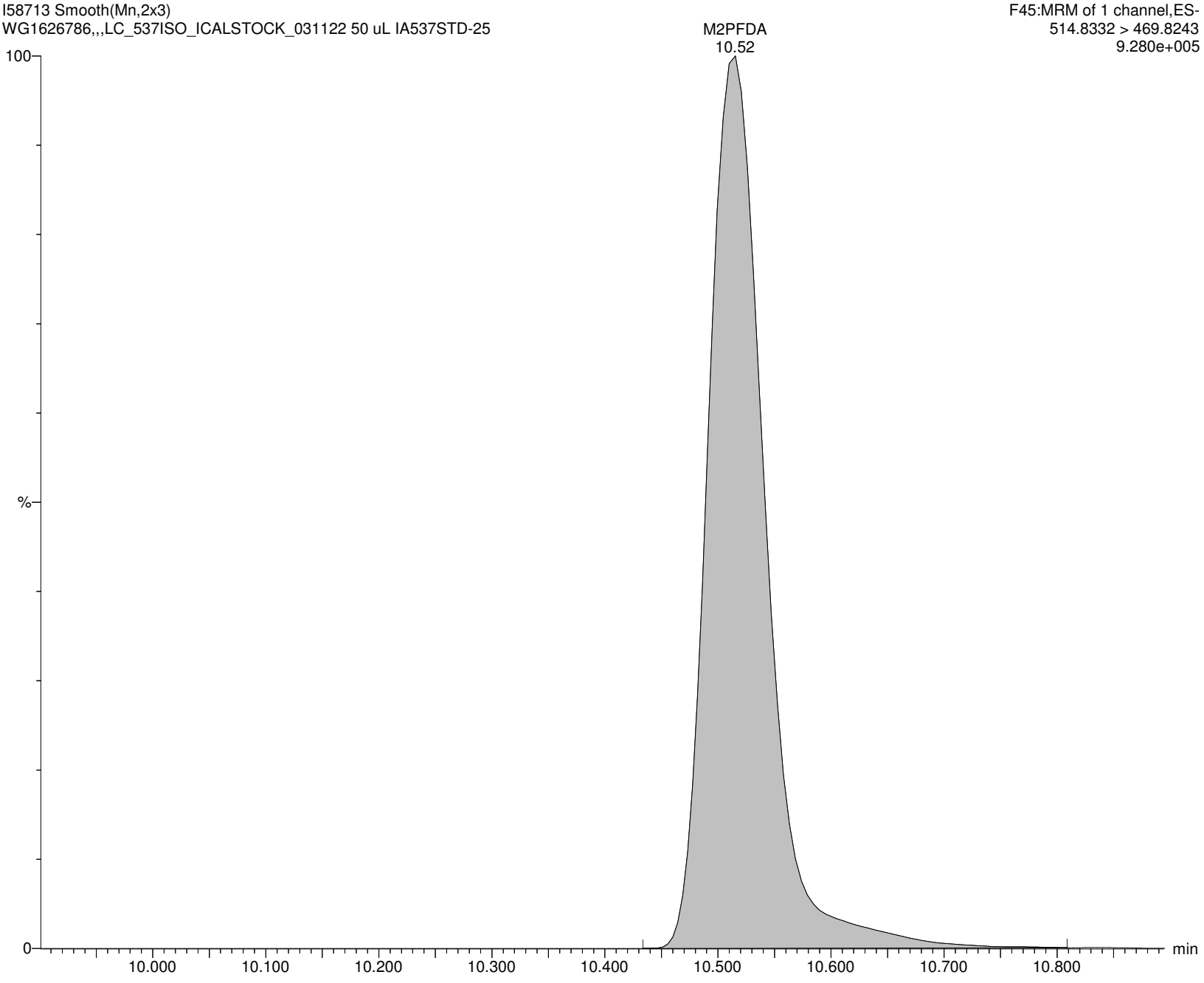


all concentration units in (ng/mL)

Alpha Analytical Inc.
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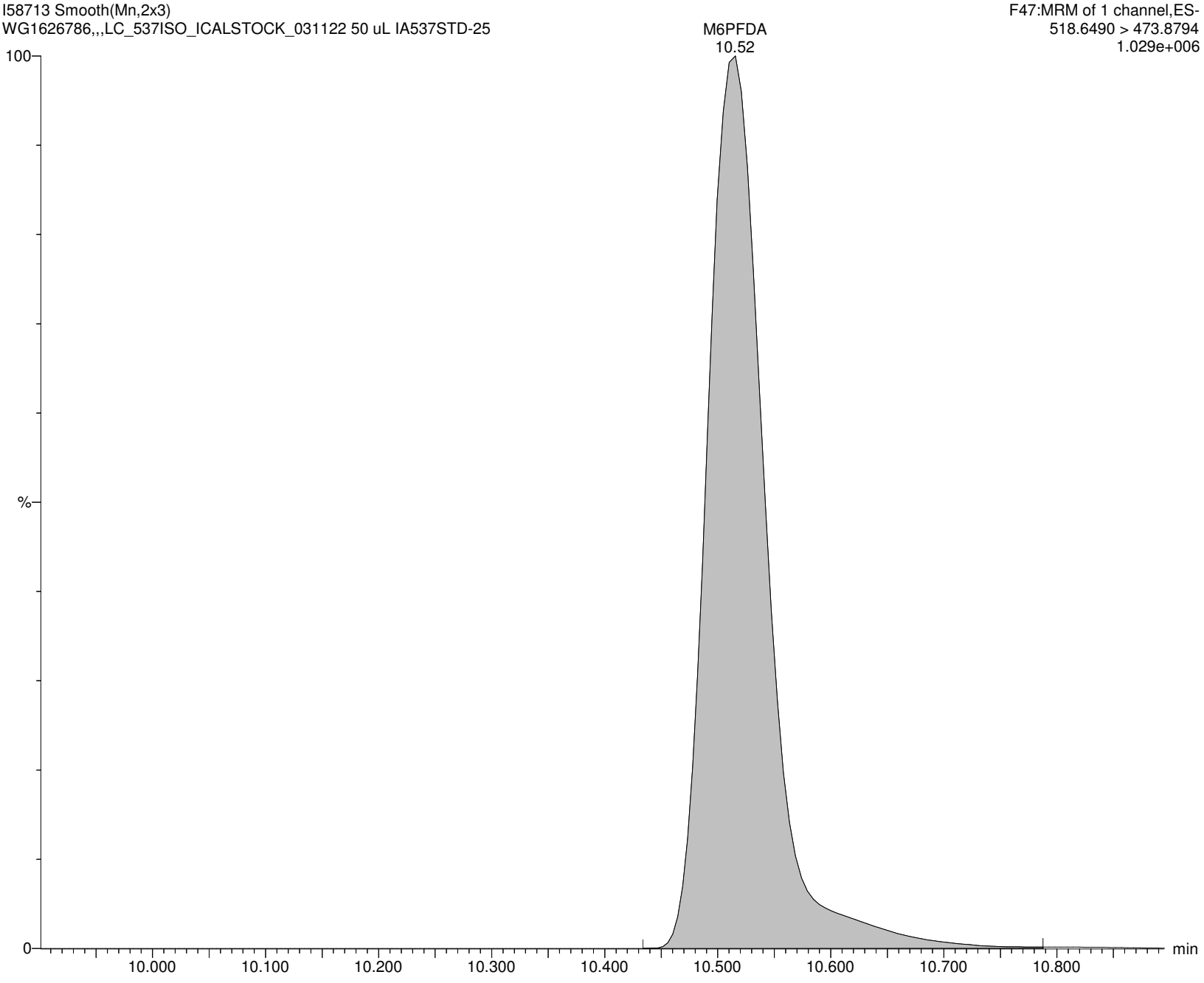


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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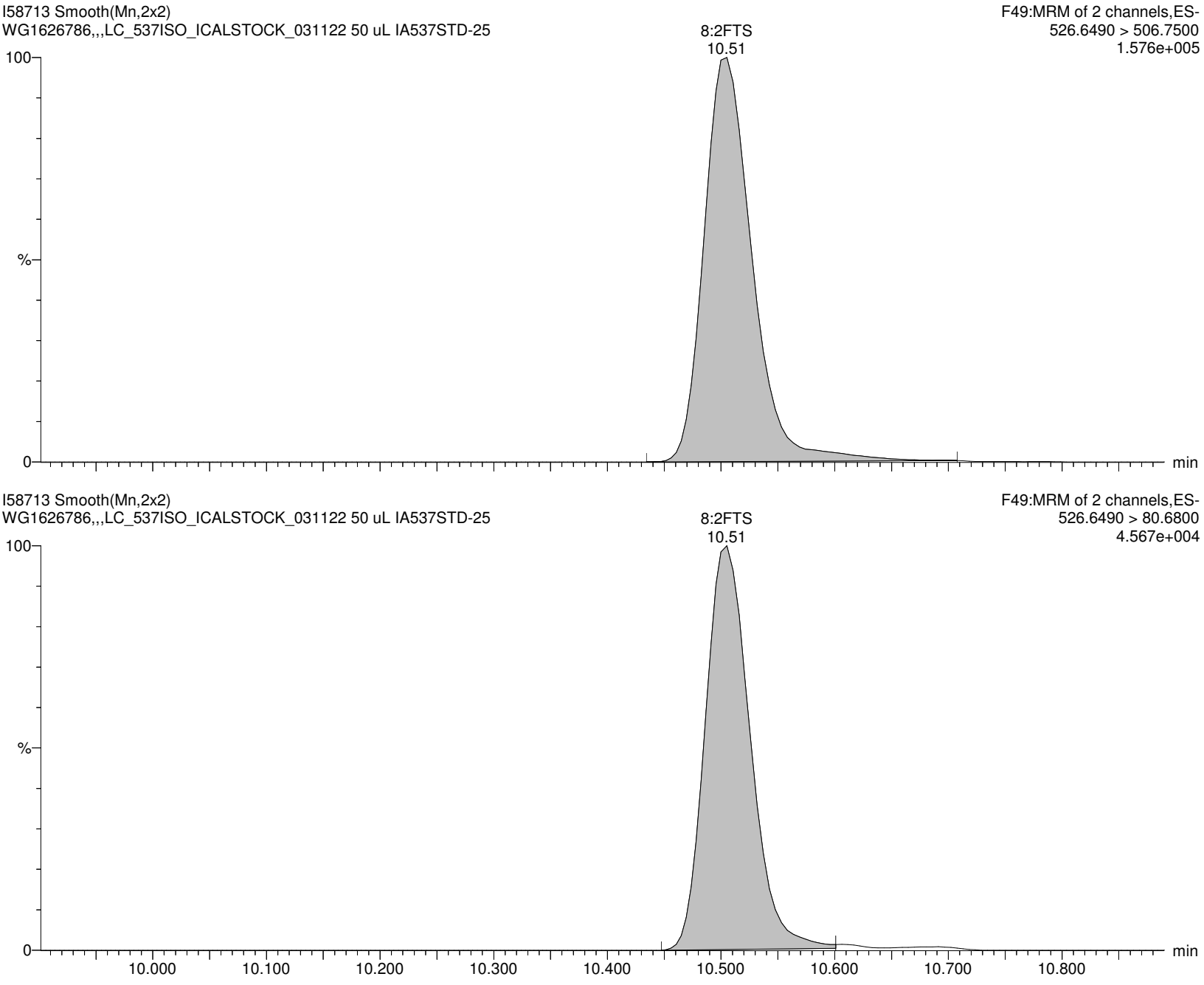


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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8:2FTS

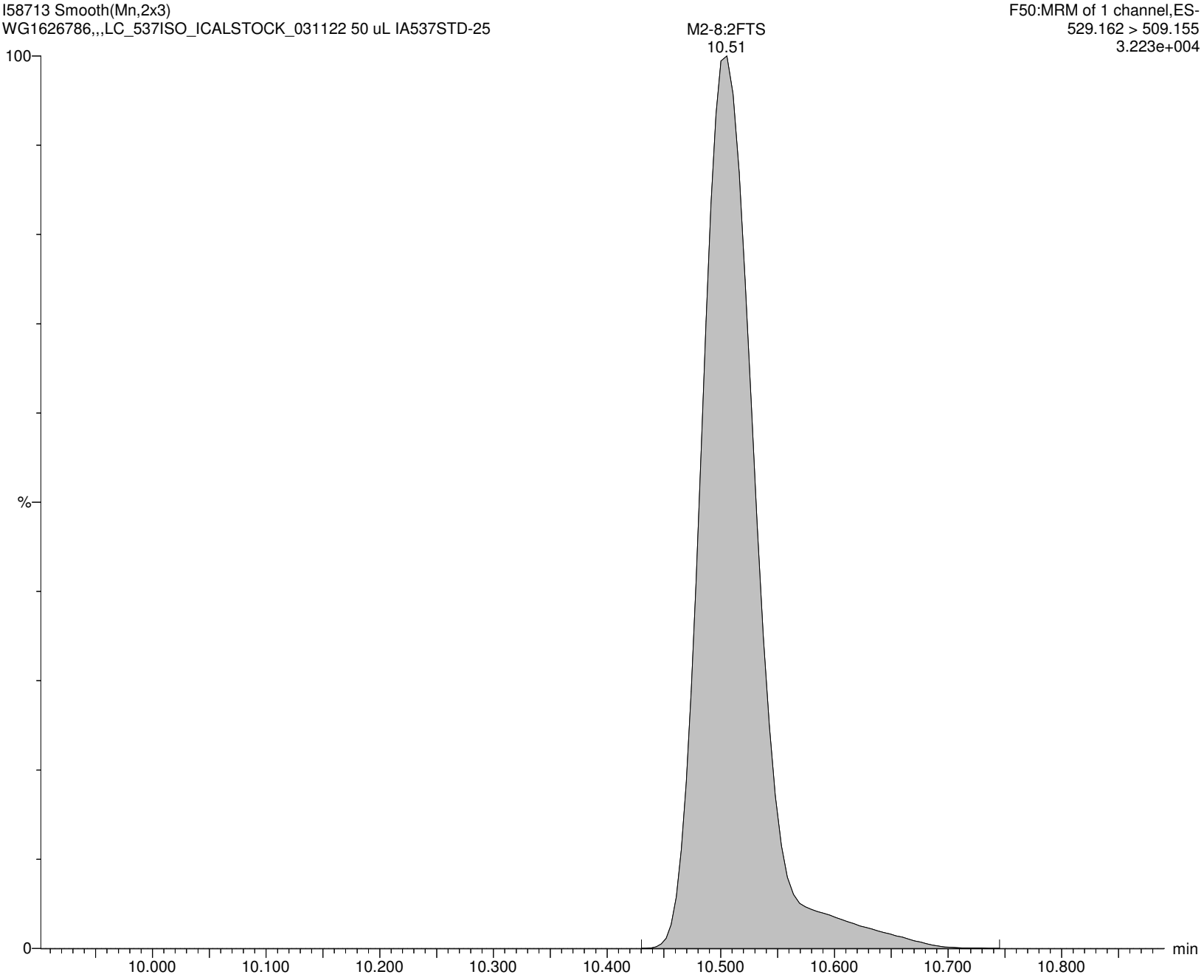


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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M2-8:2FTS

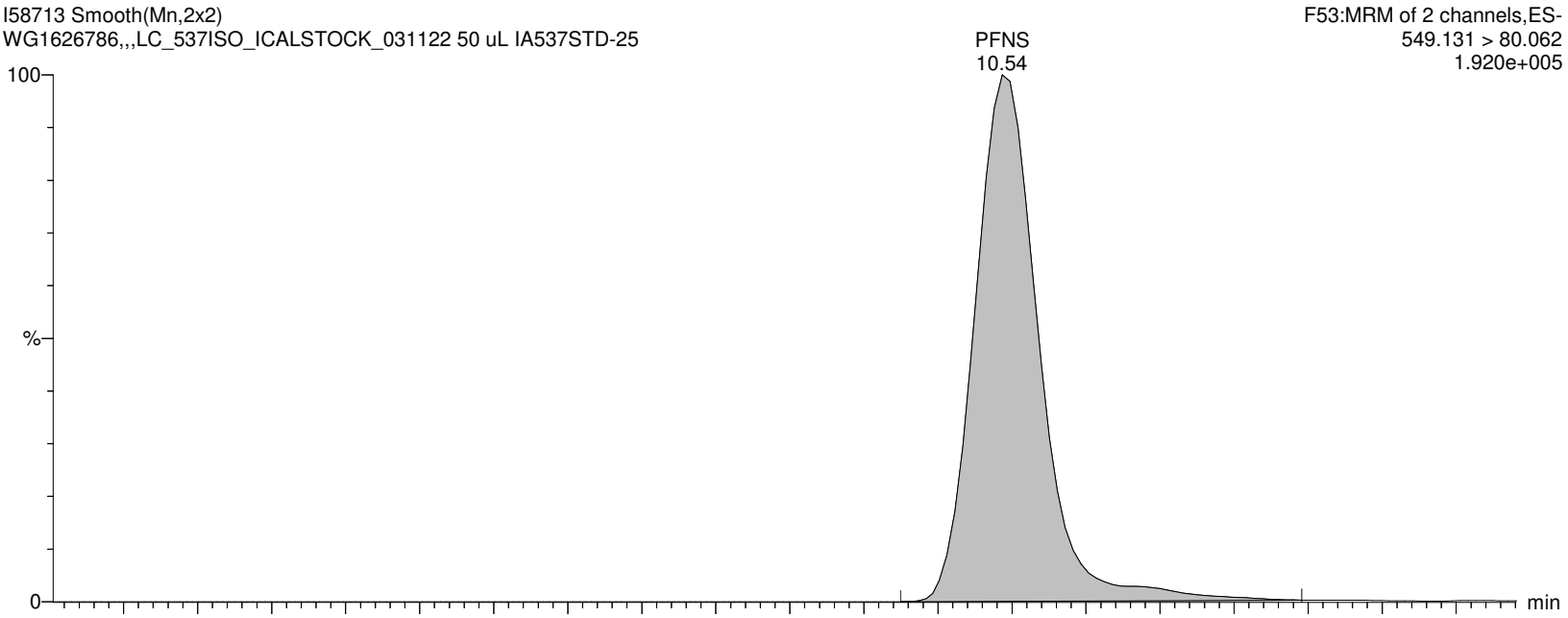


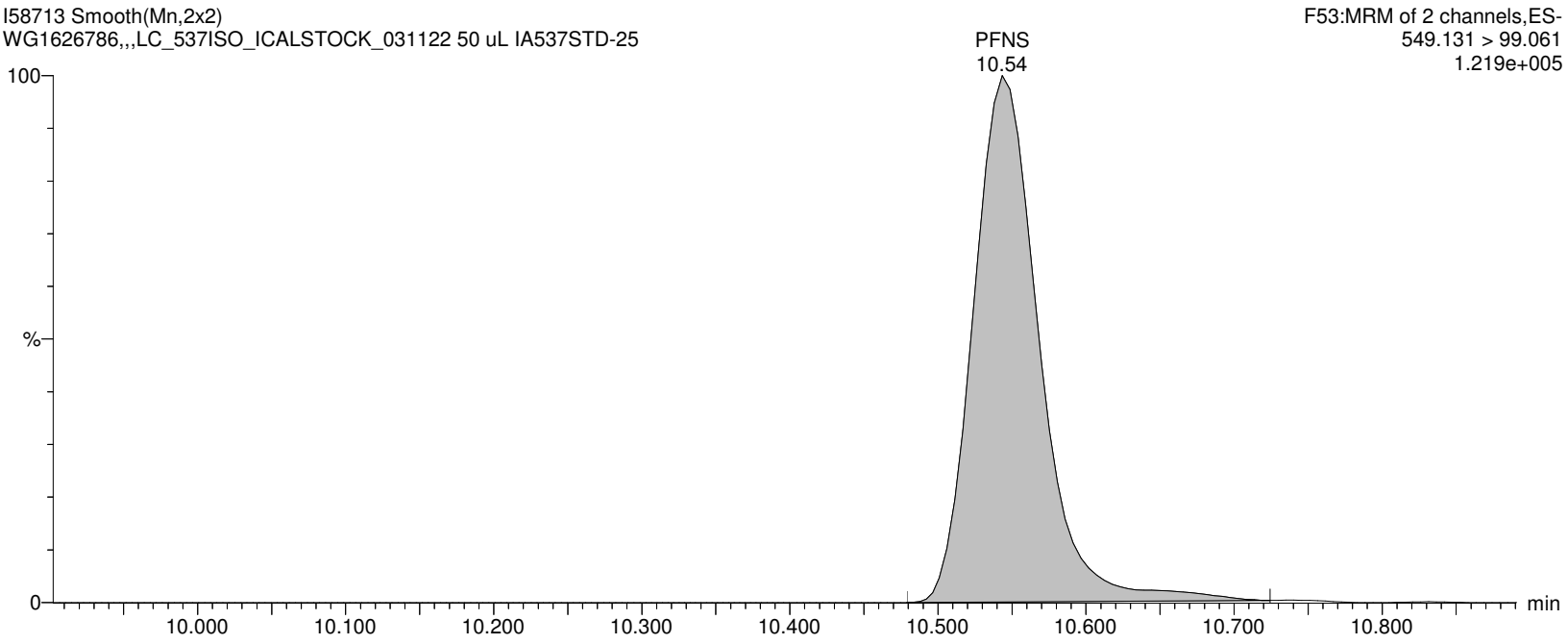
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,7
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PFNS



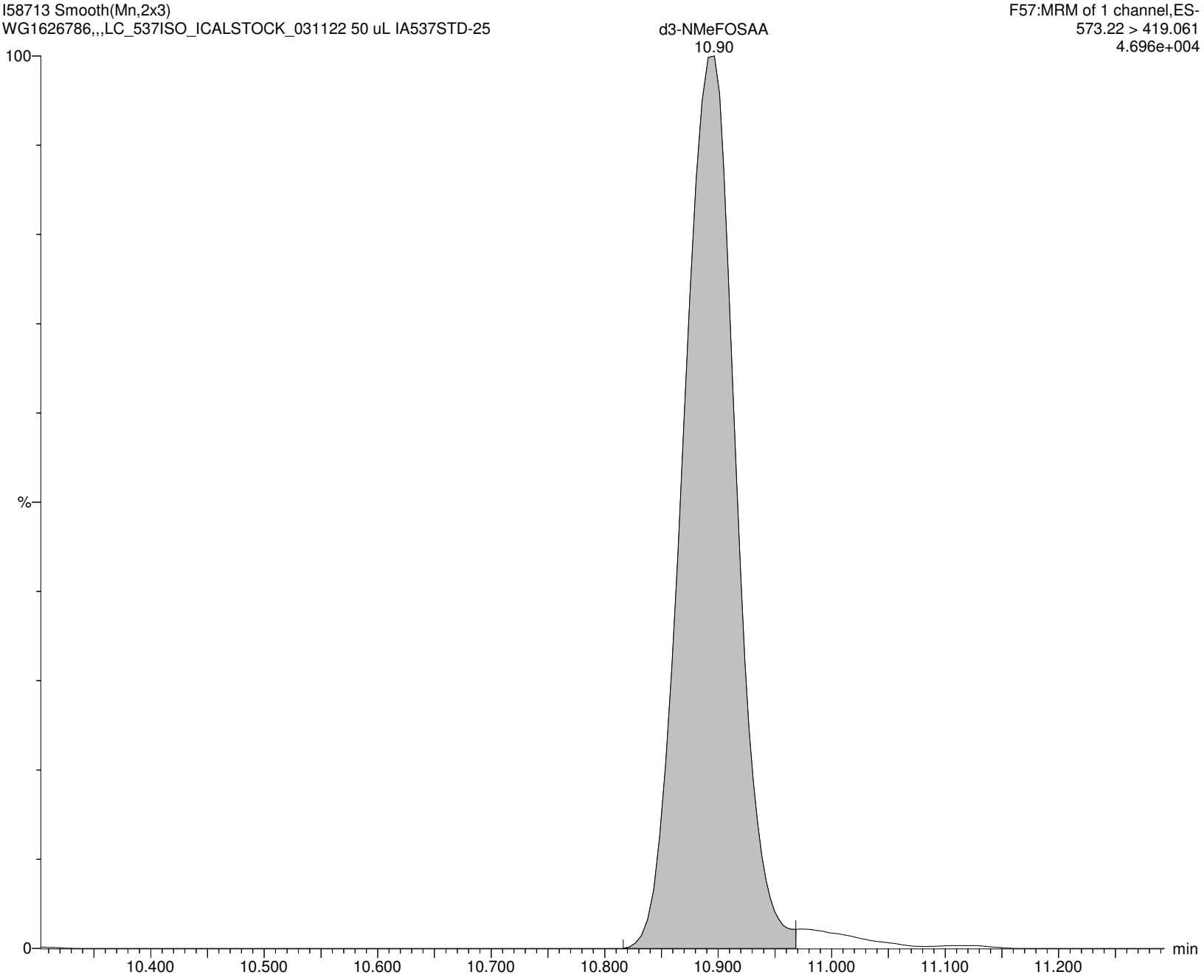


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Time: 17:39:29
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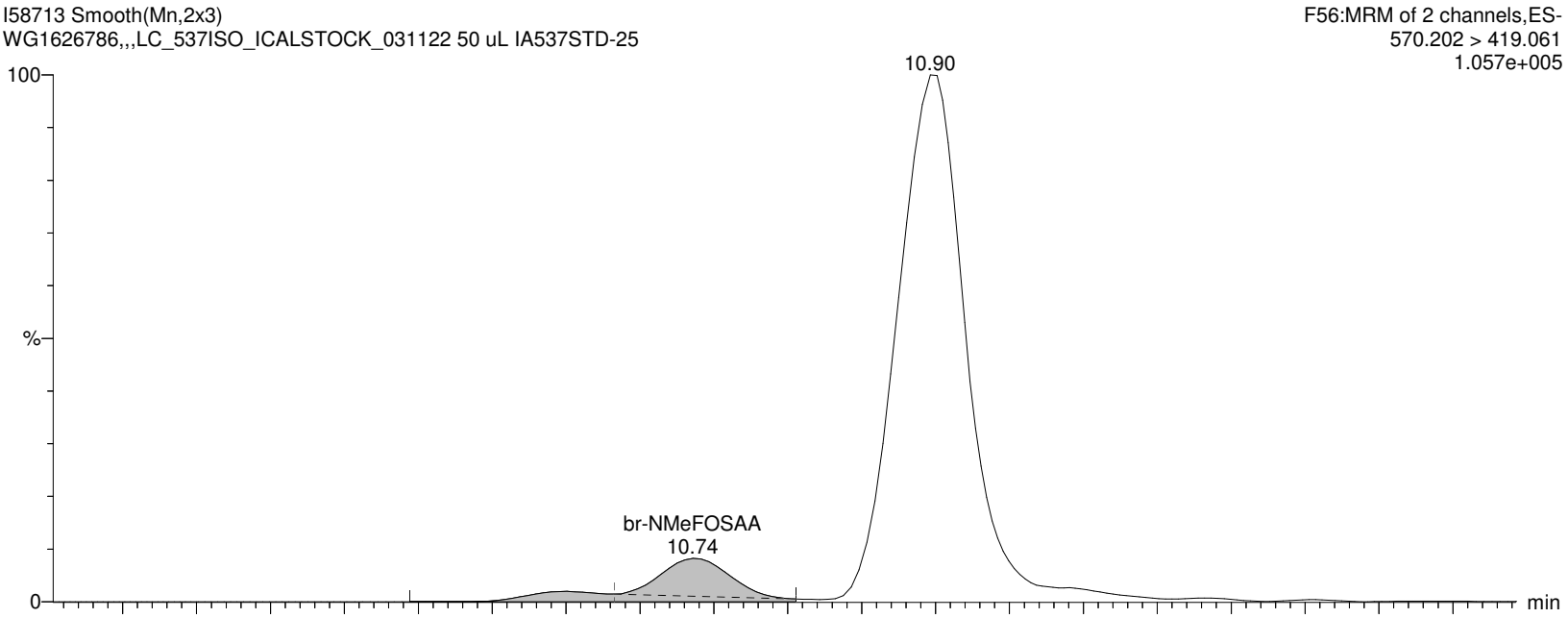


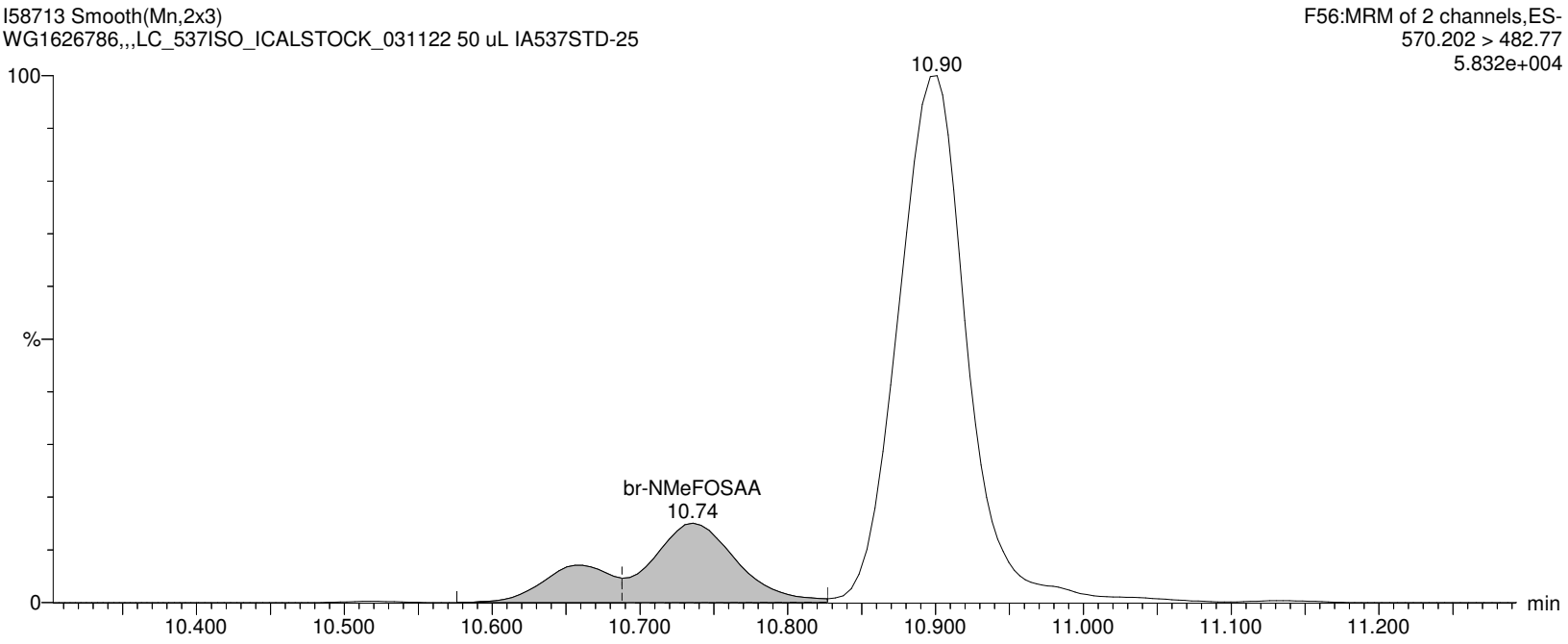
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-NMeFOSAA



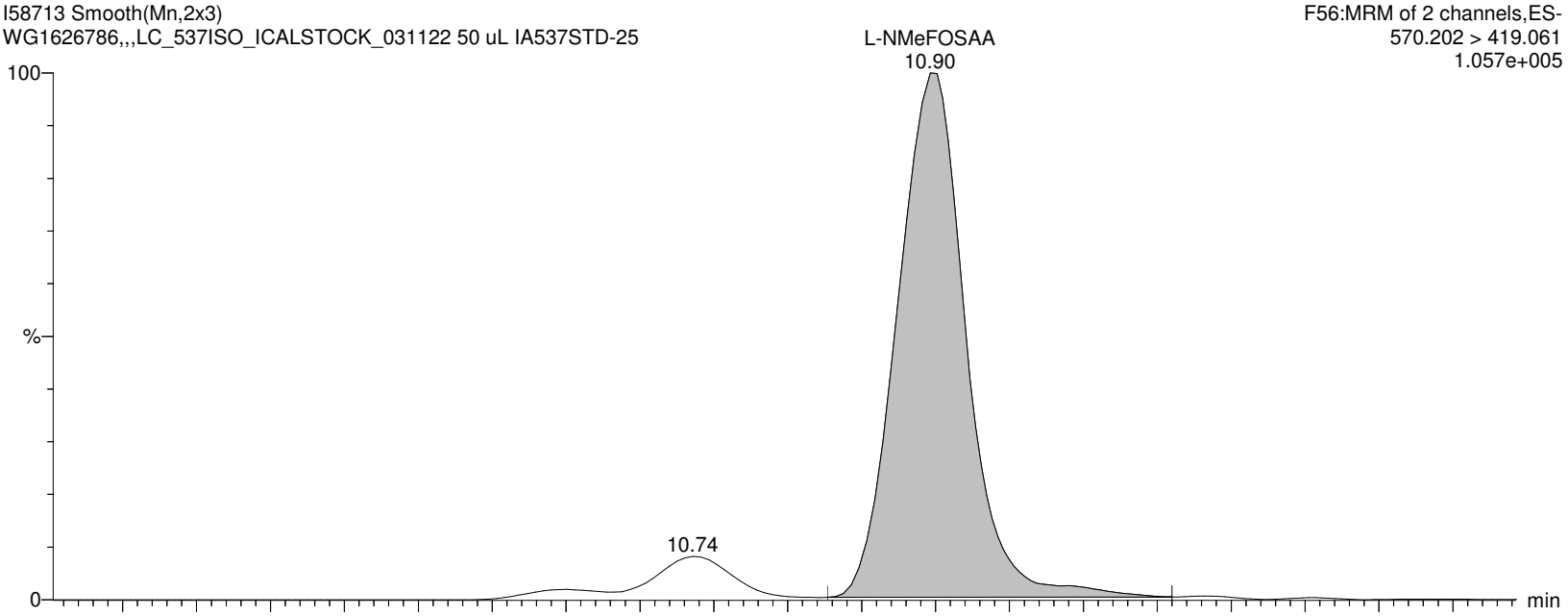


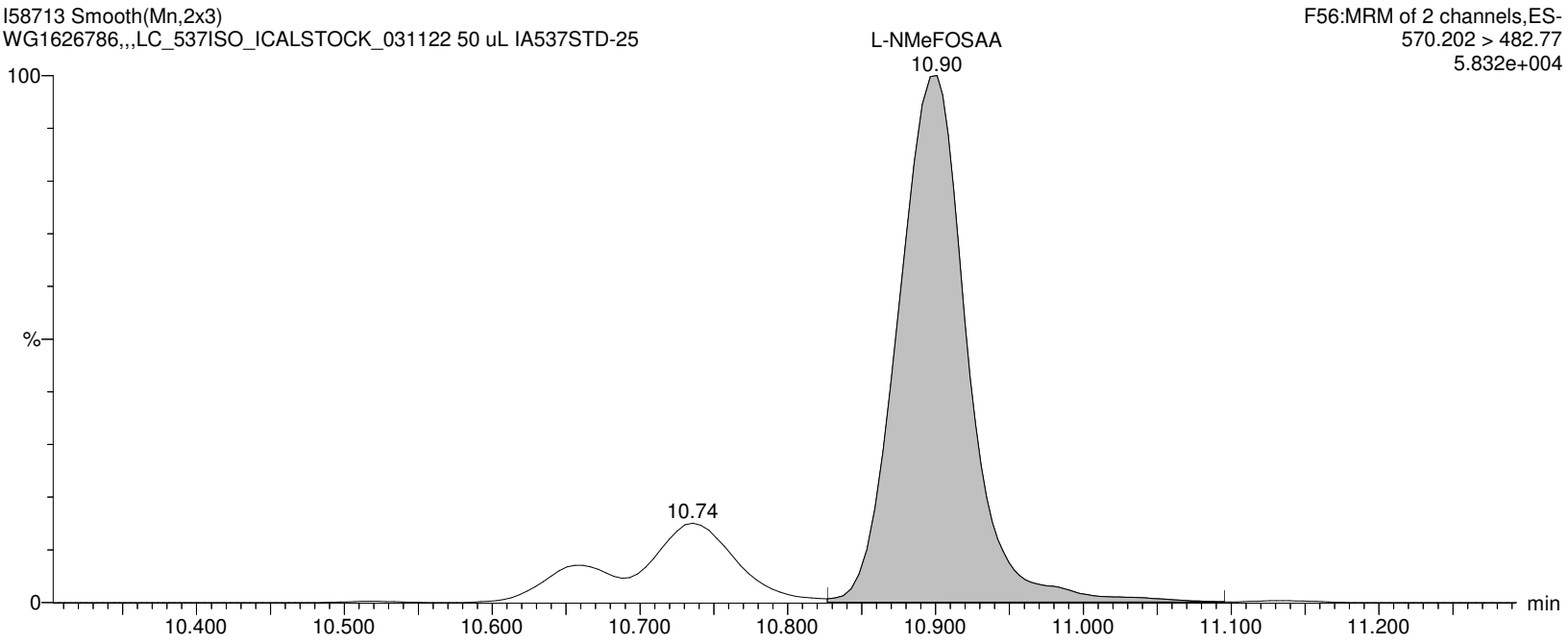
all concentration units in (ng/mL)

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L-NMeFOSAA



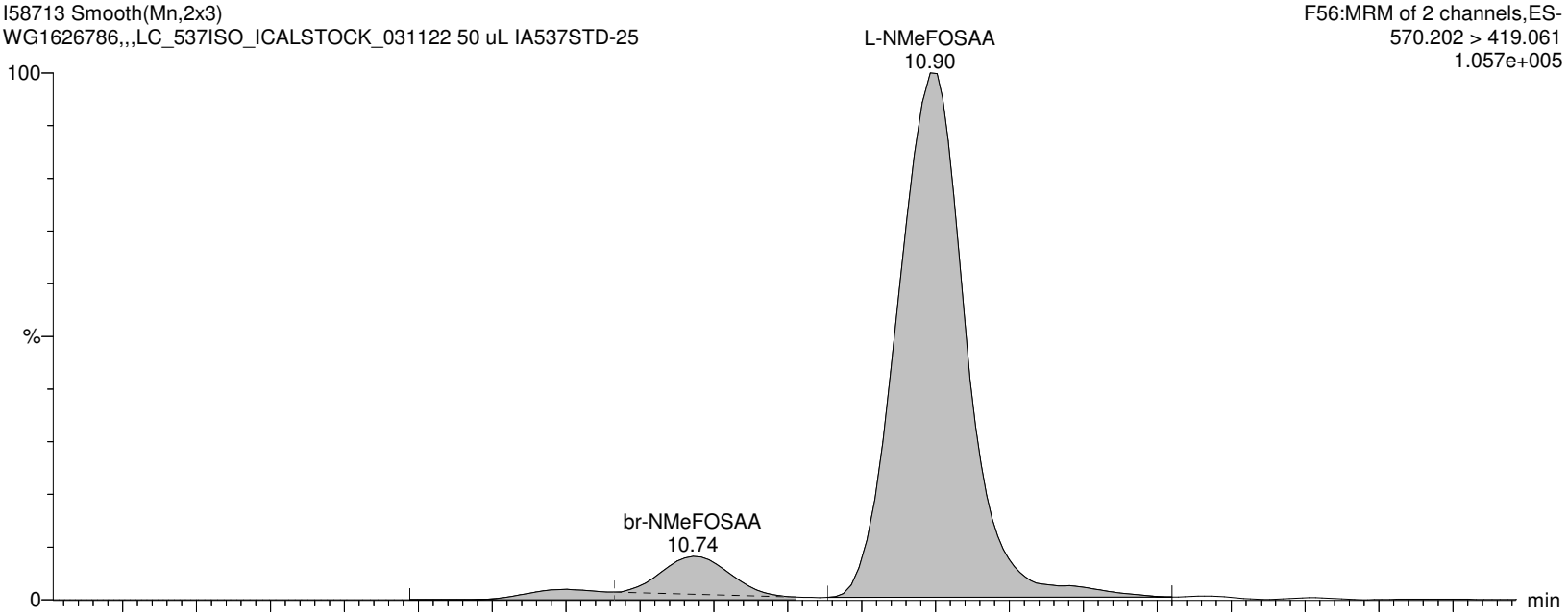


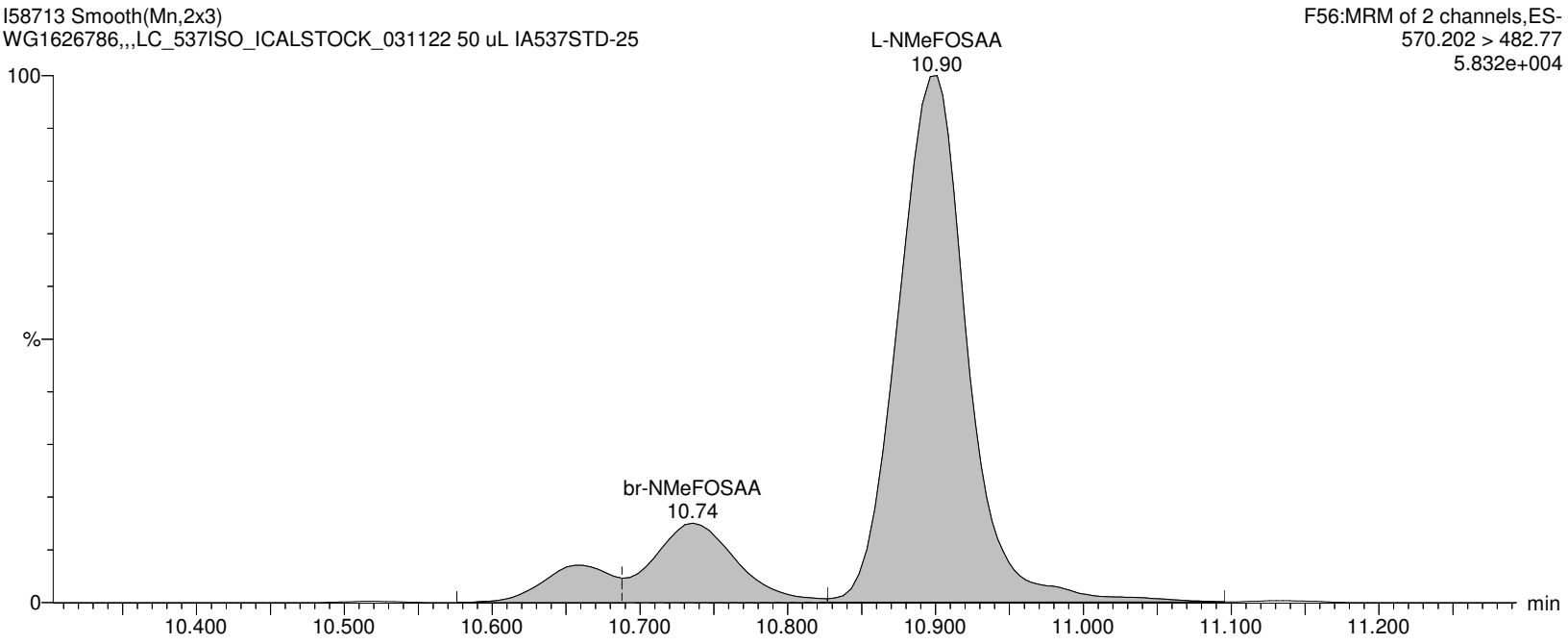
all concentration units in (ng/mL)

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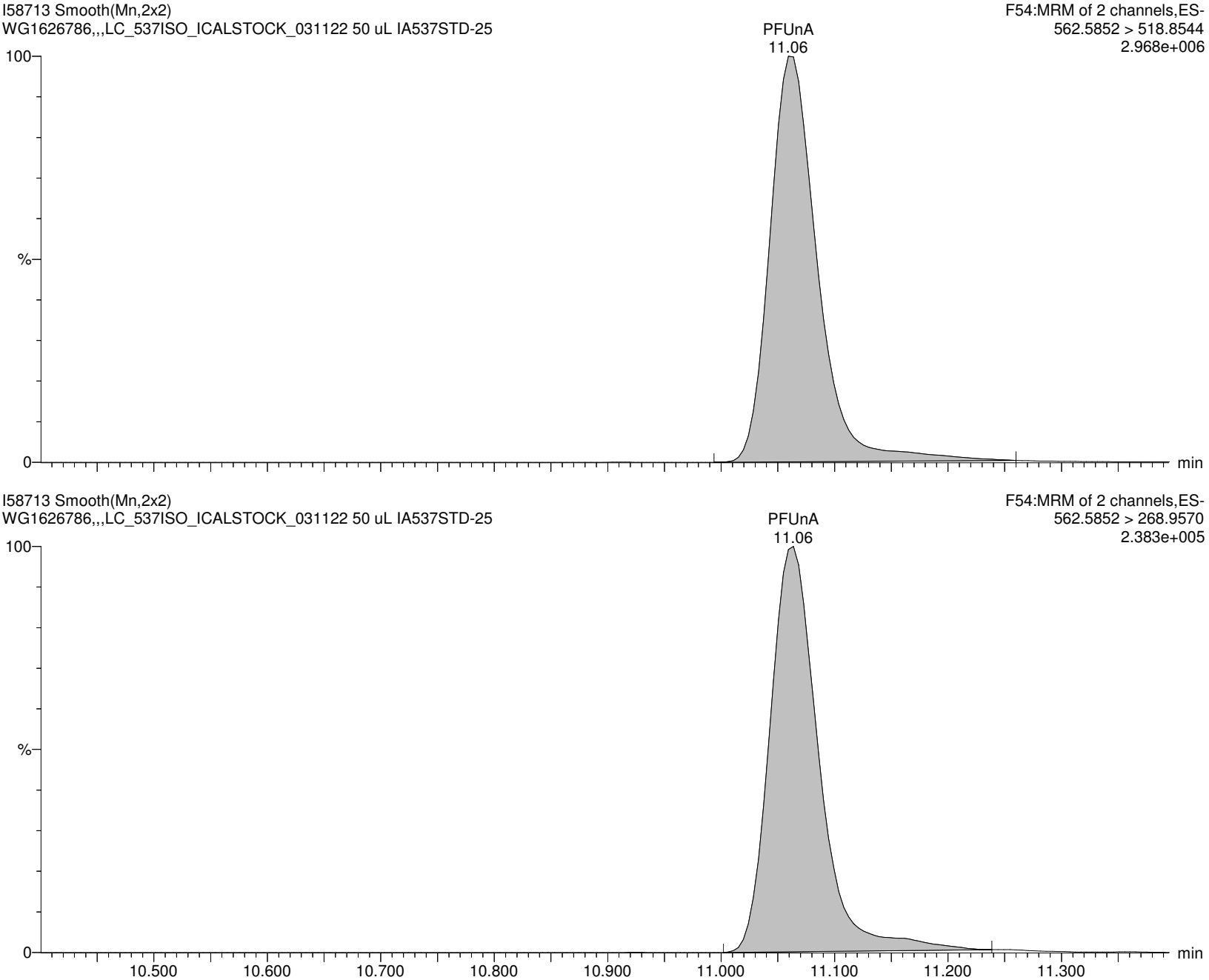


all concentration units in (ng/mL)

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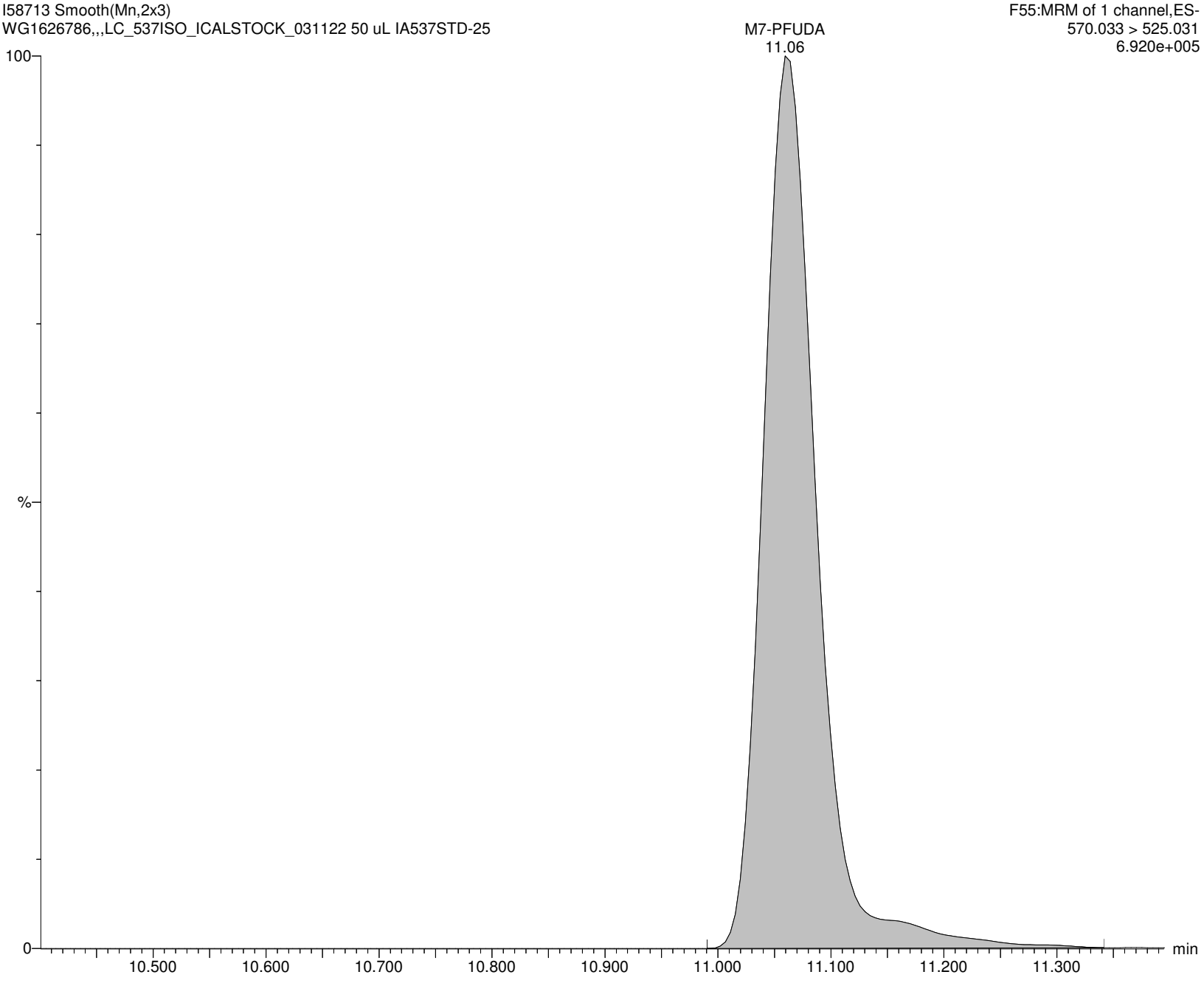


all concentration units in (ng/mL)

Alpha Analytical Inc.
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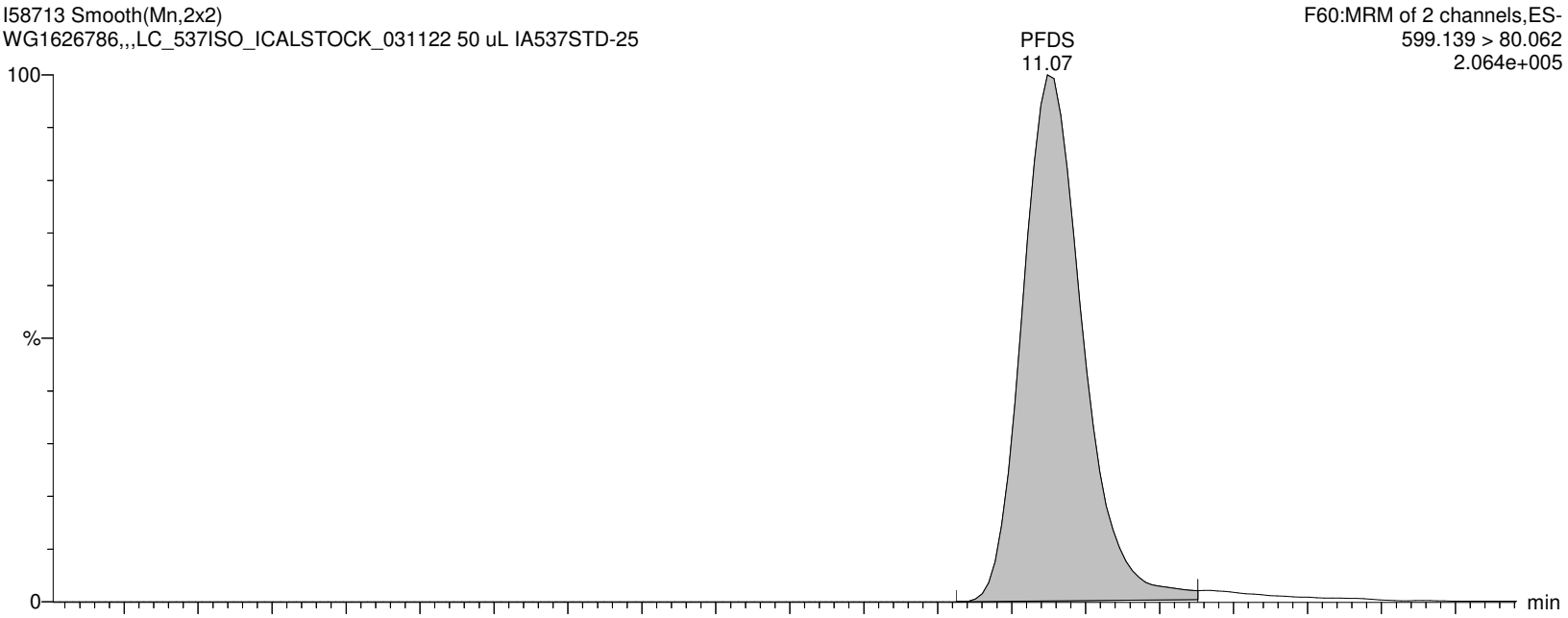


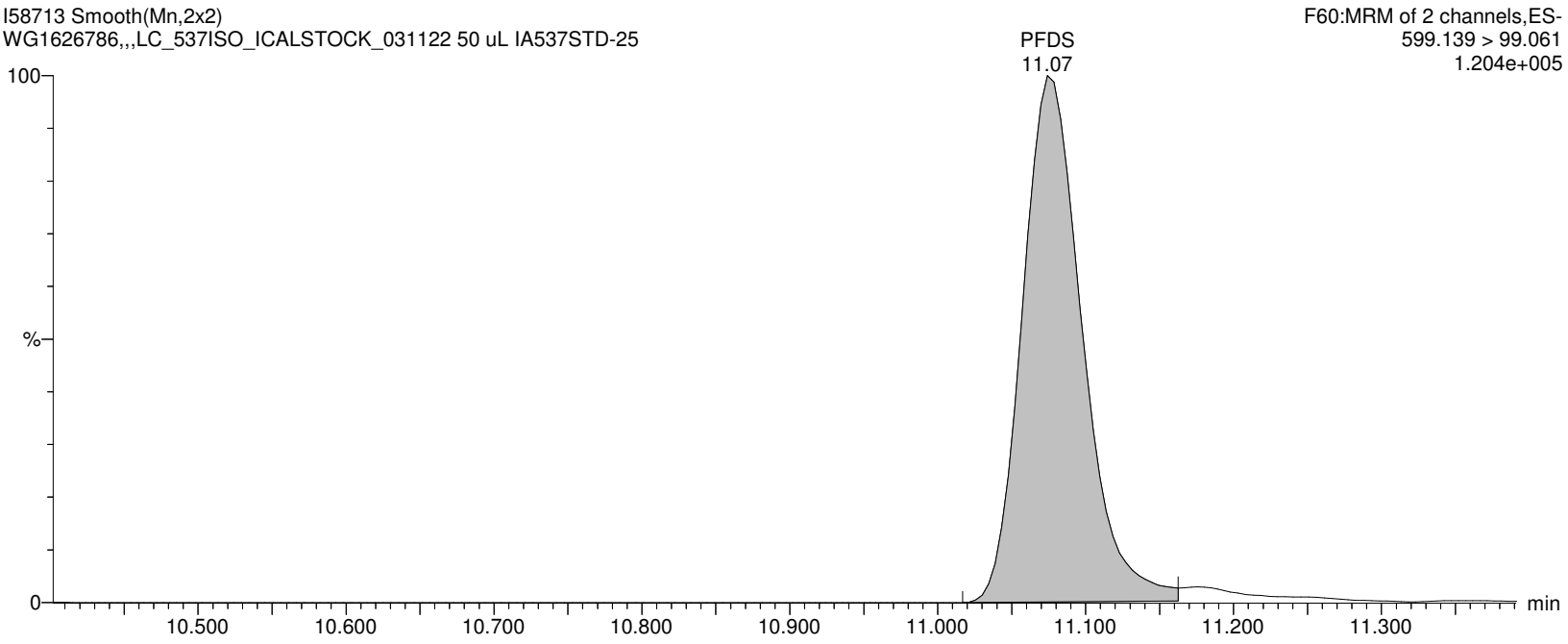
all concentration units in (ng/mL)

Alpha Analytical Inc.
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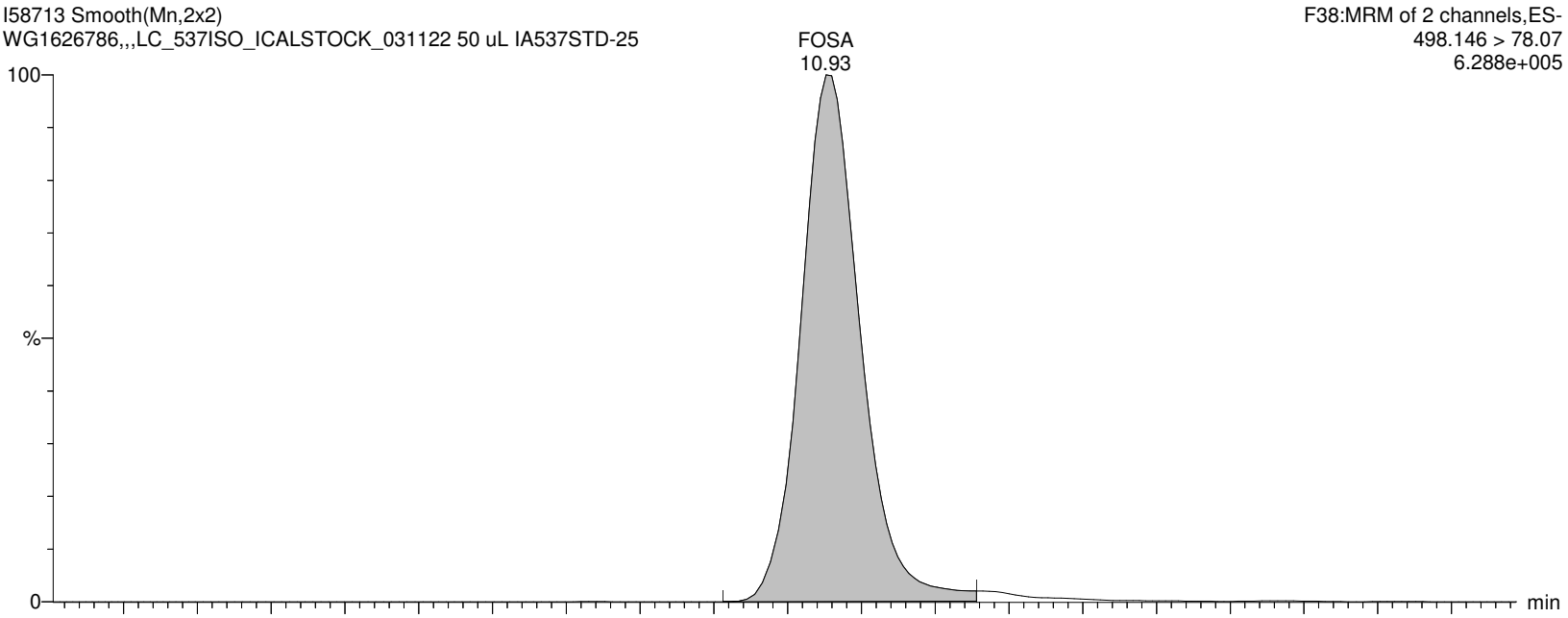


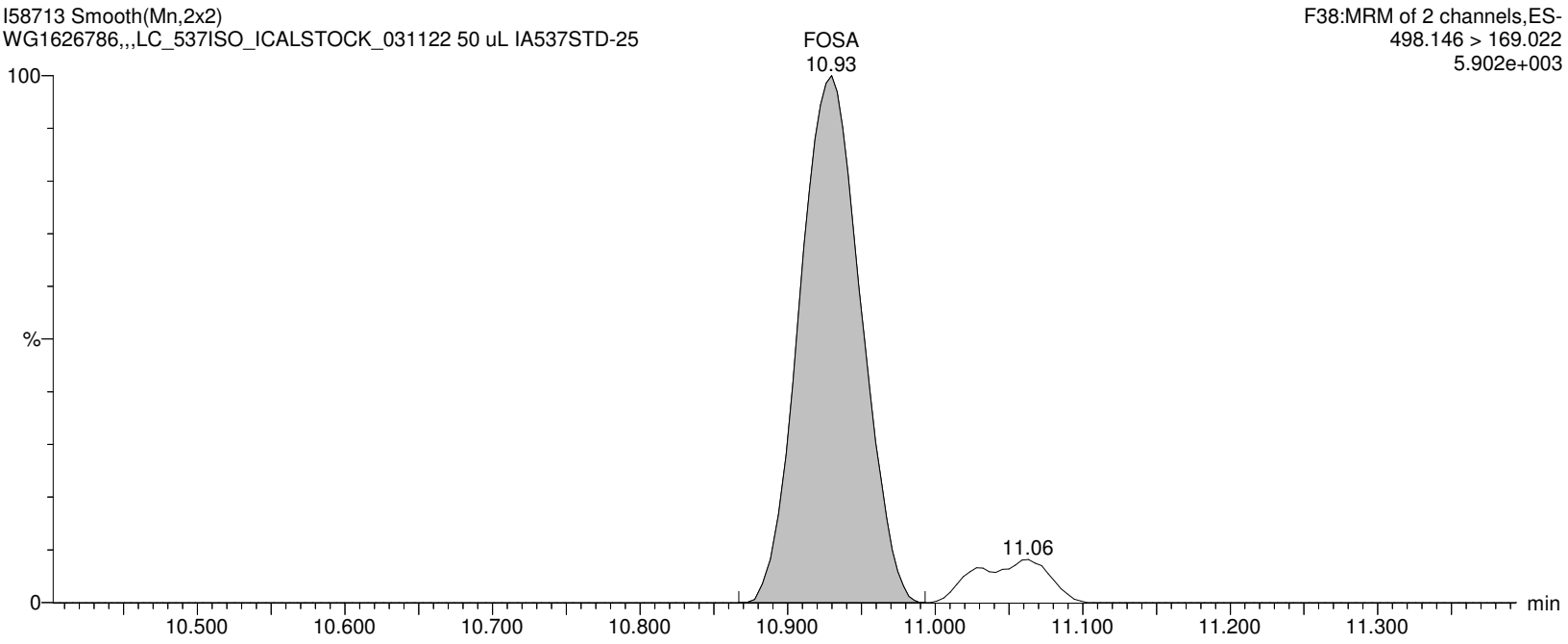
all concentration units in (ng/mL)

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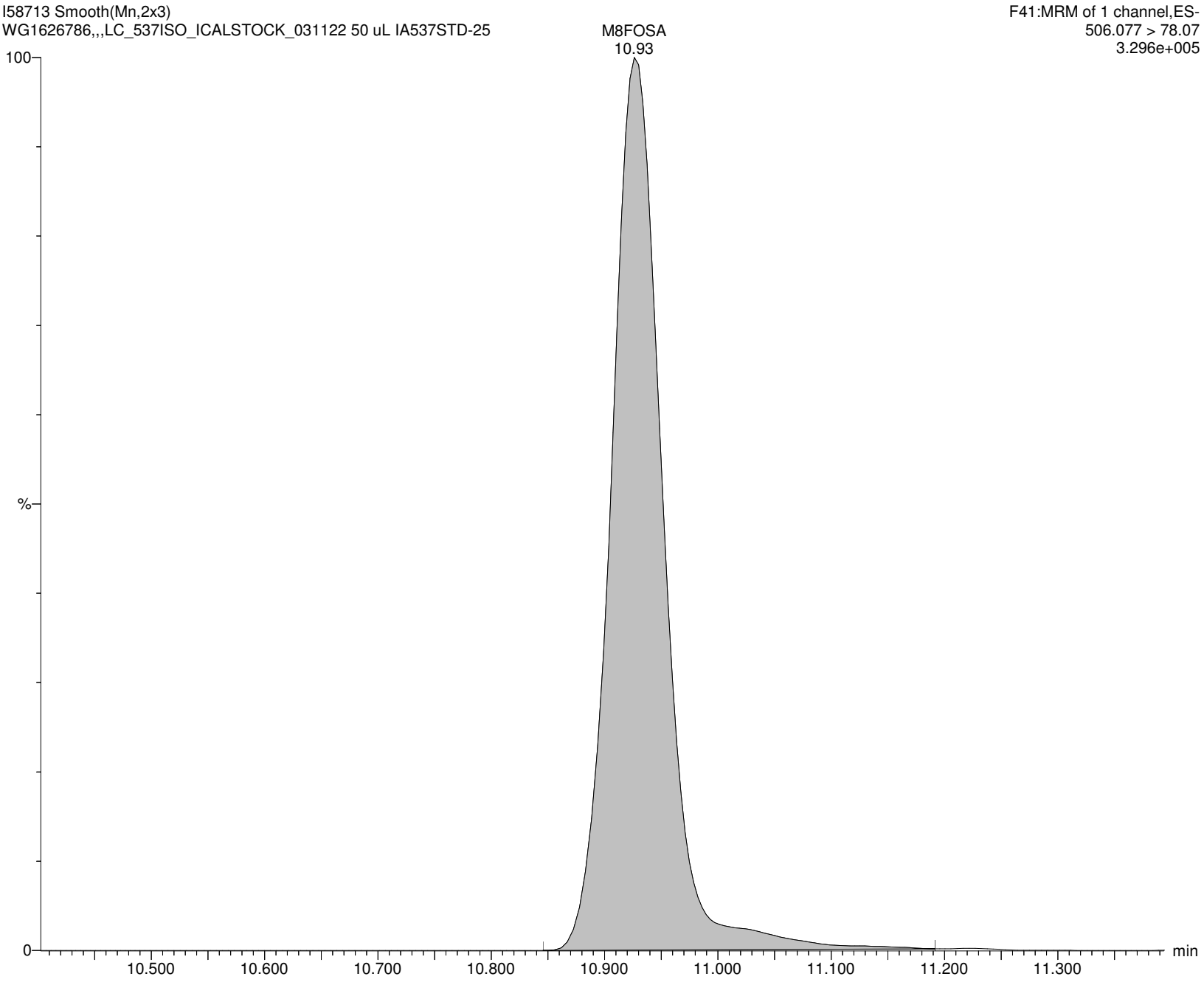


all concentration units in (ng/mL)

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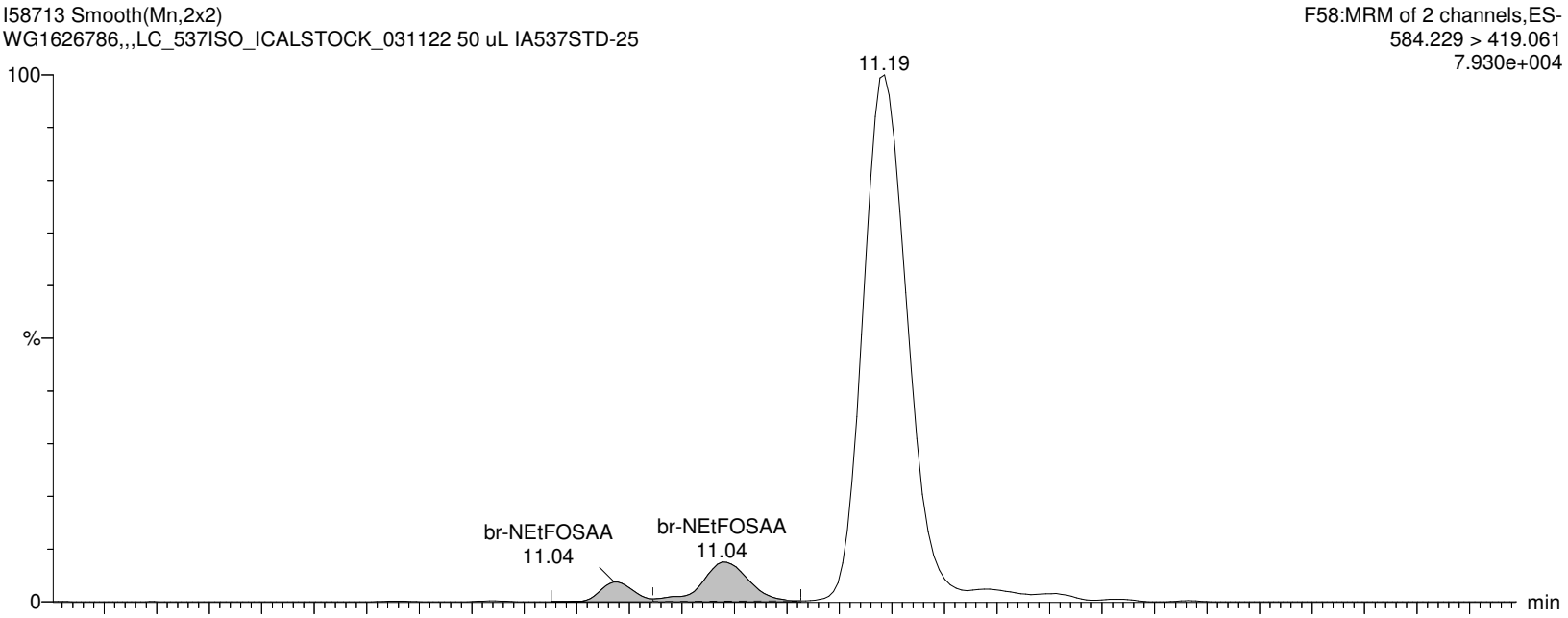


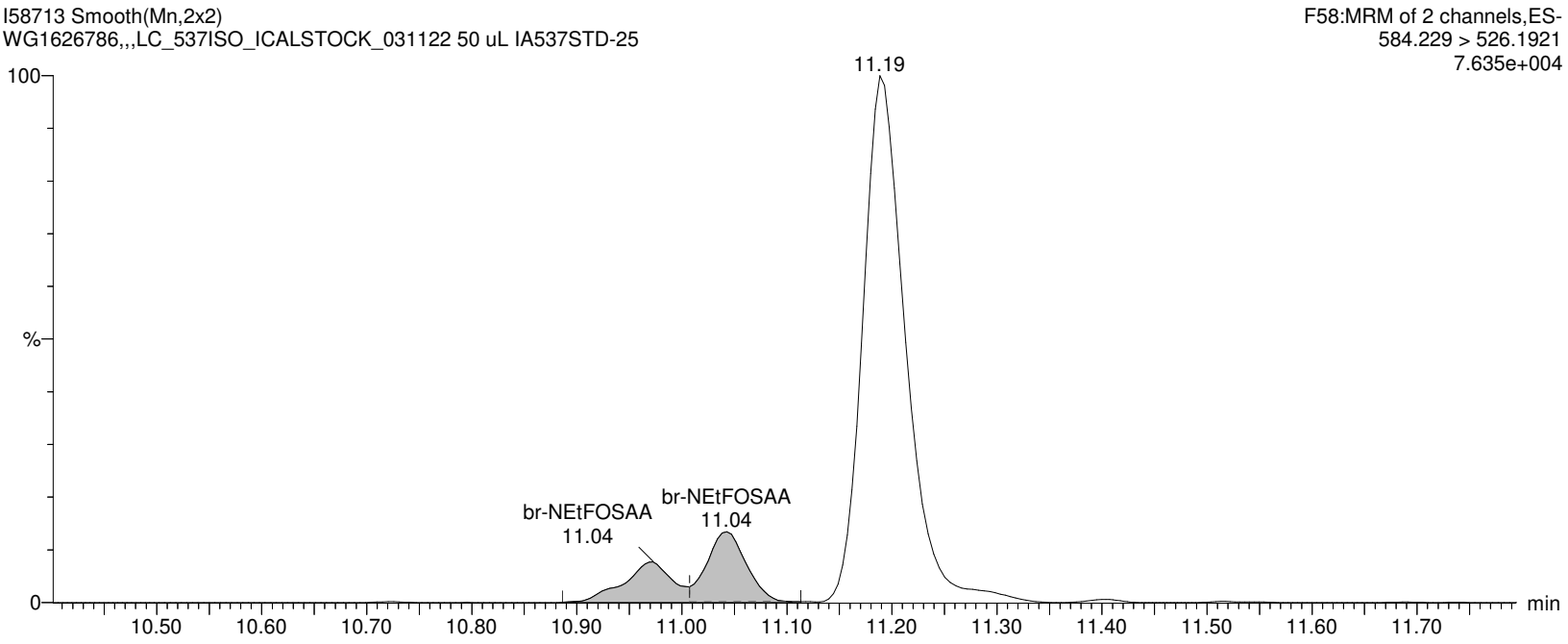
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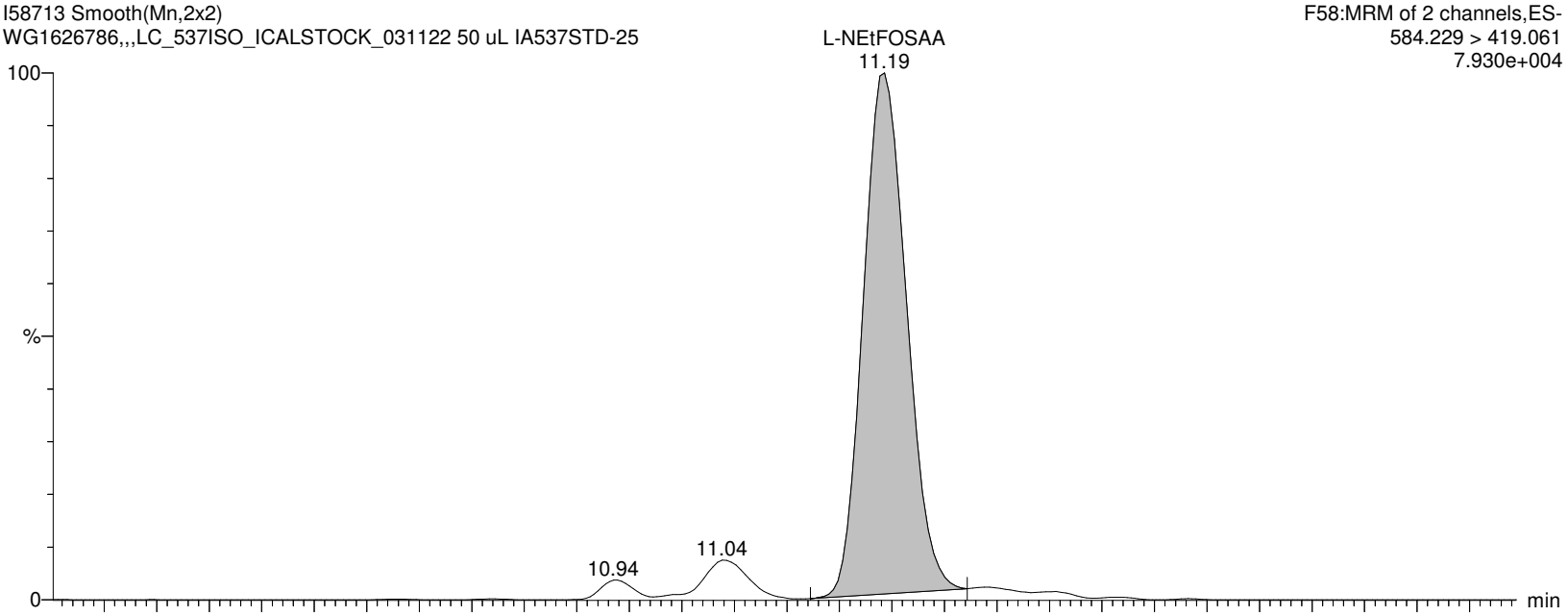


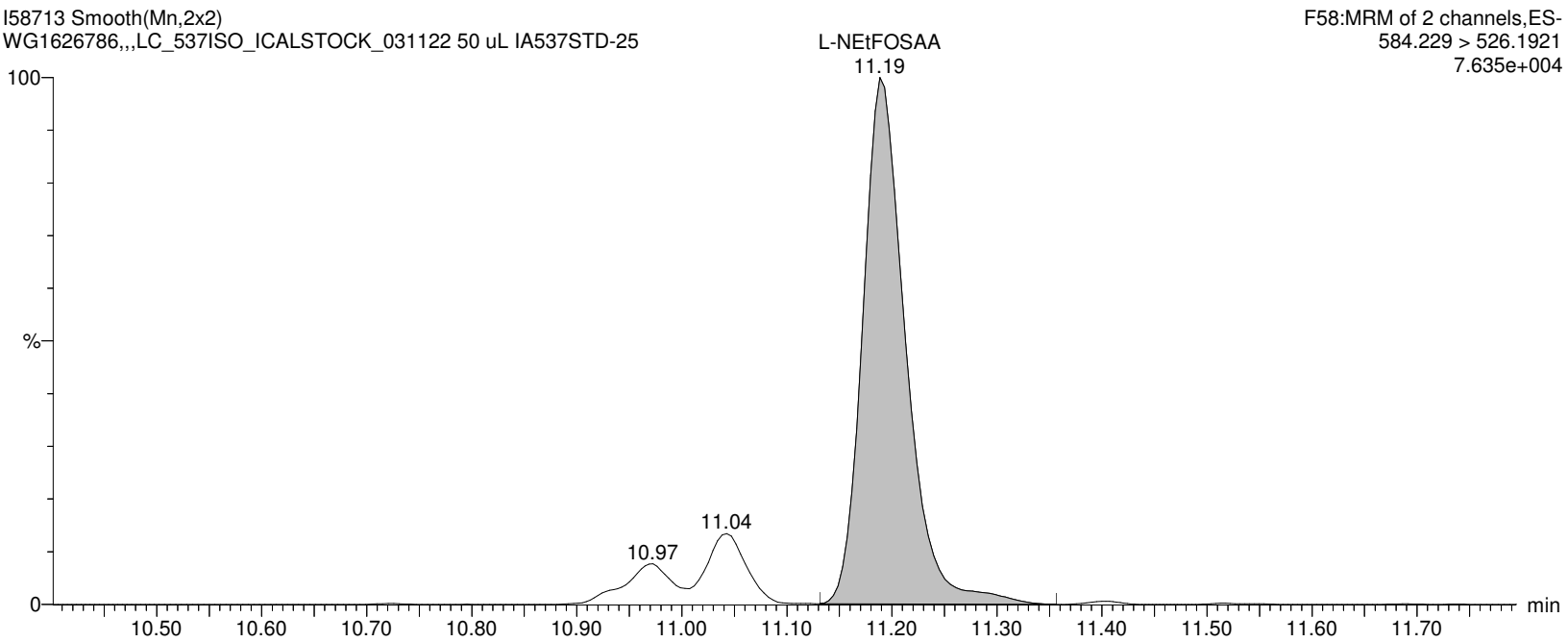
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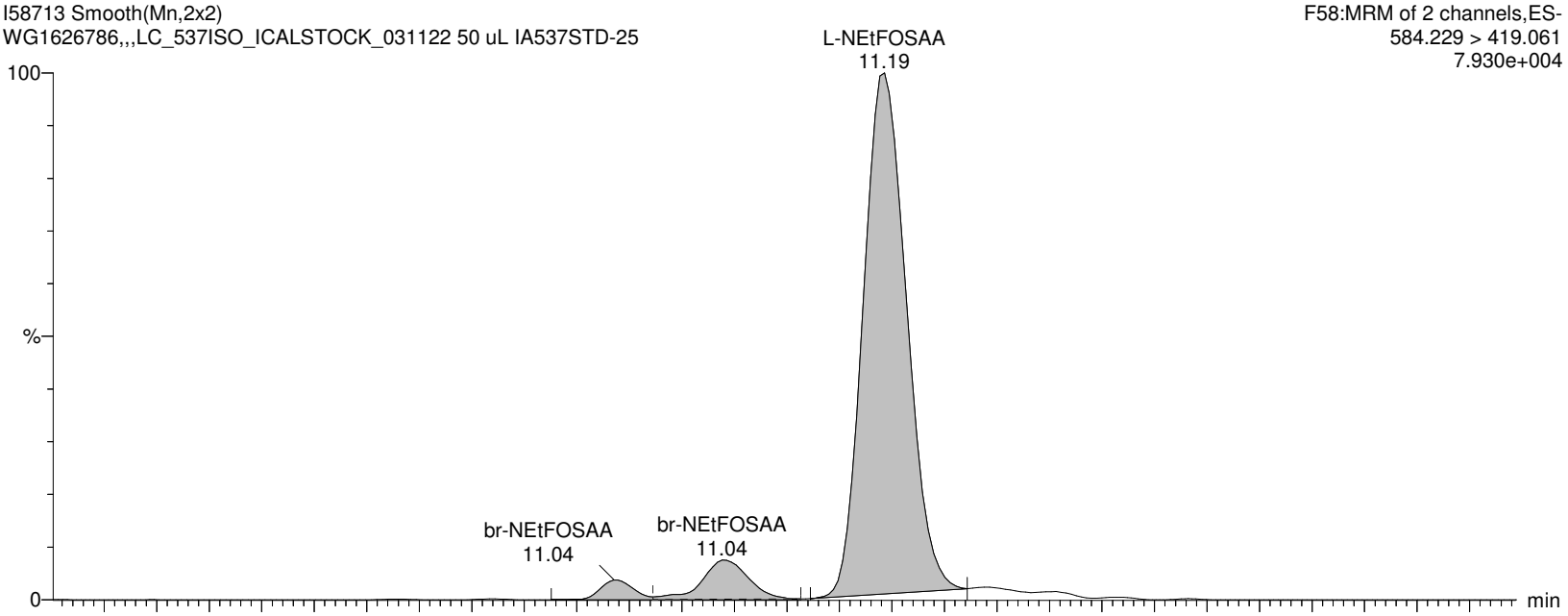


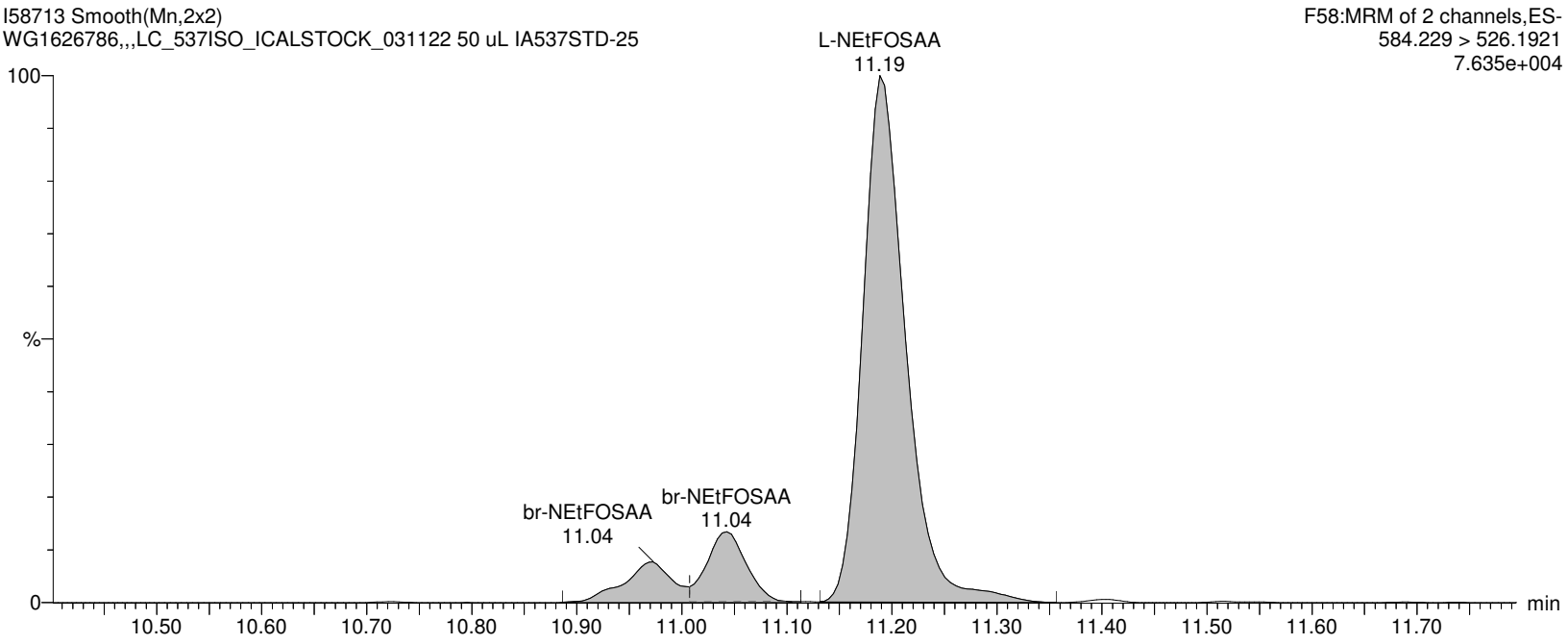
all concentration units in (ng/mL)

Alpha Analytical Inc.
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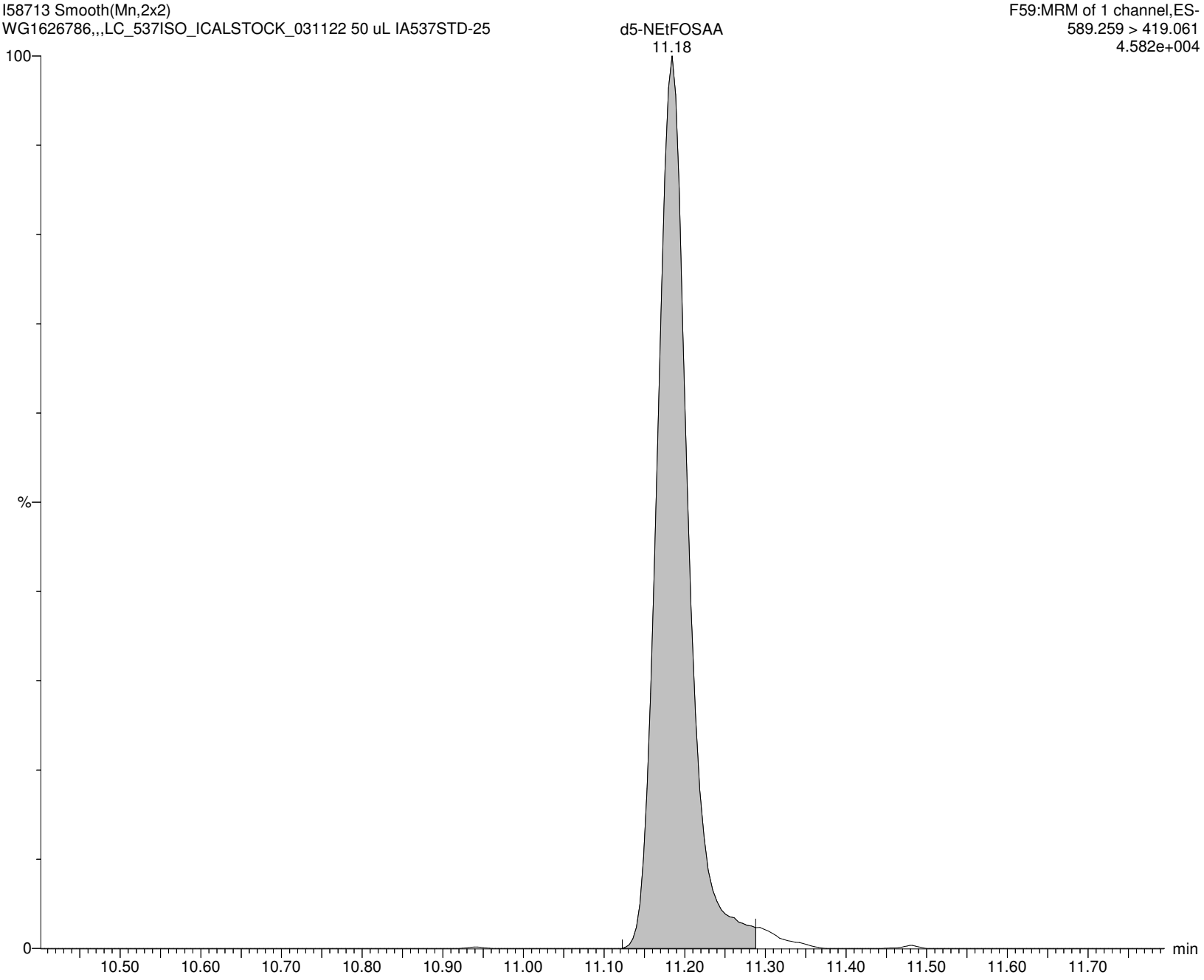


all concentration units in (ng/mL)

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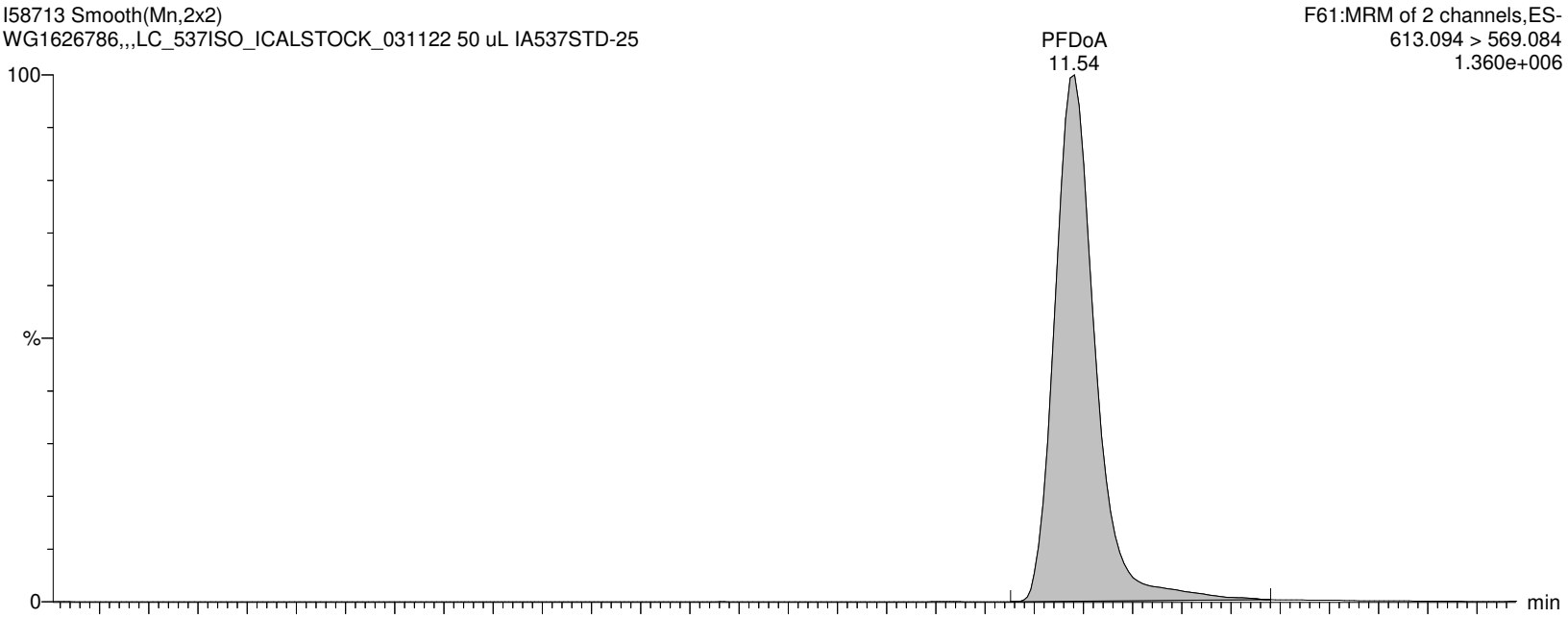


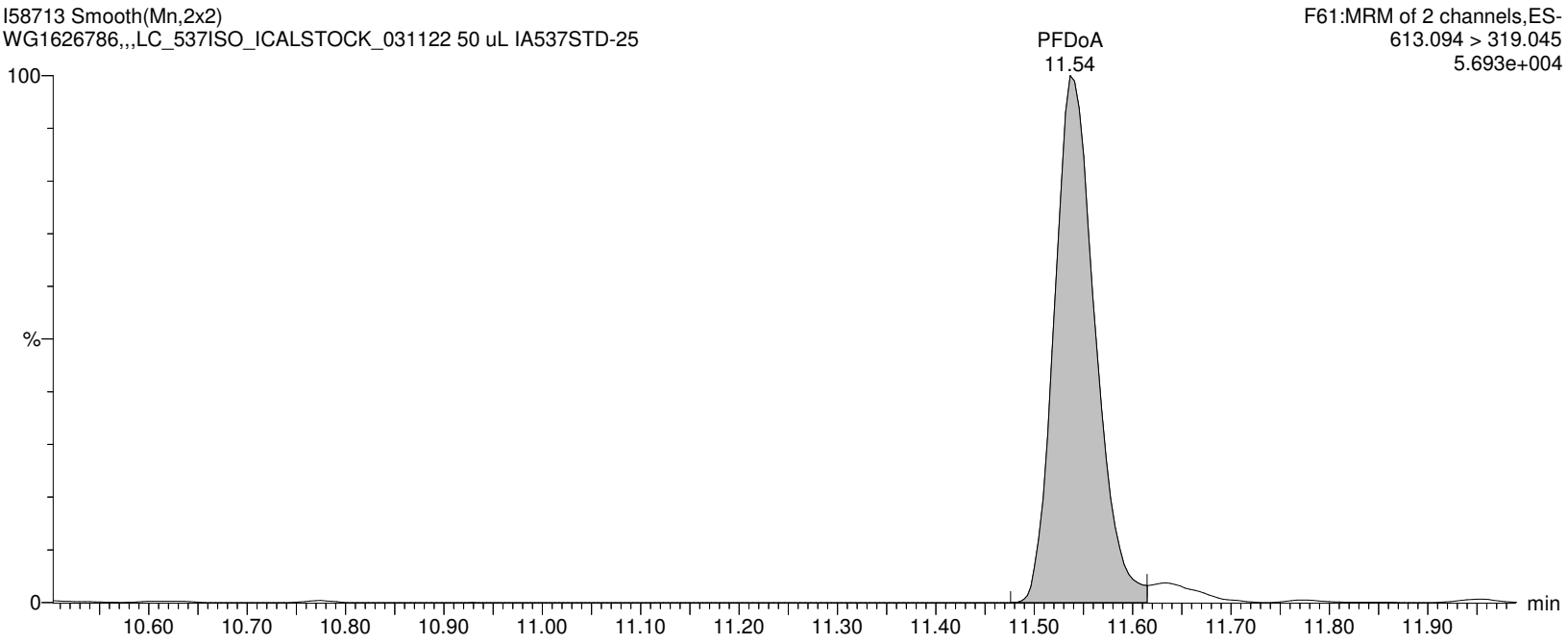
all concentration units in (ng/mL)

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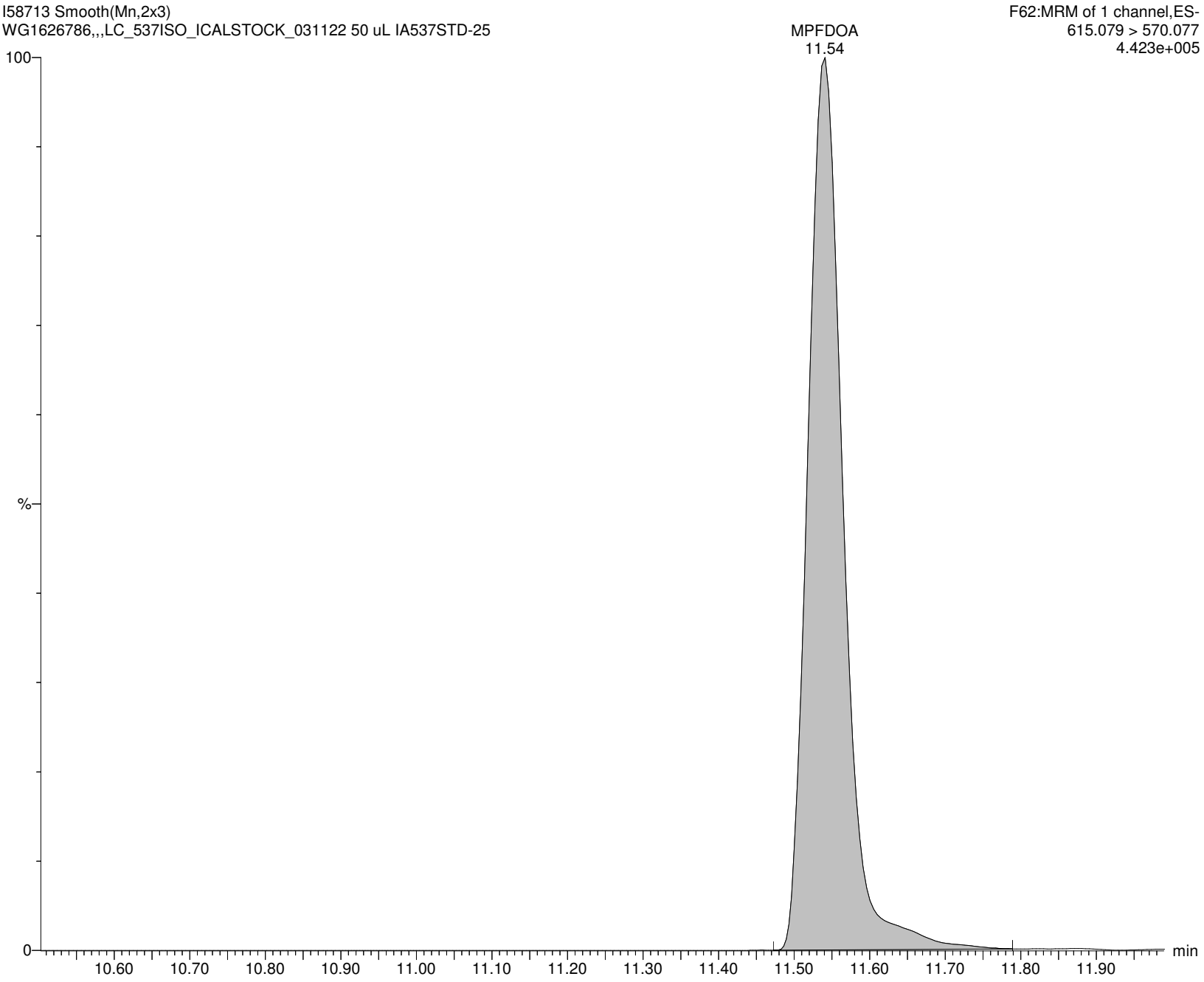


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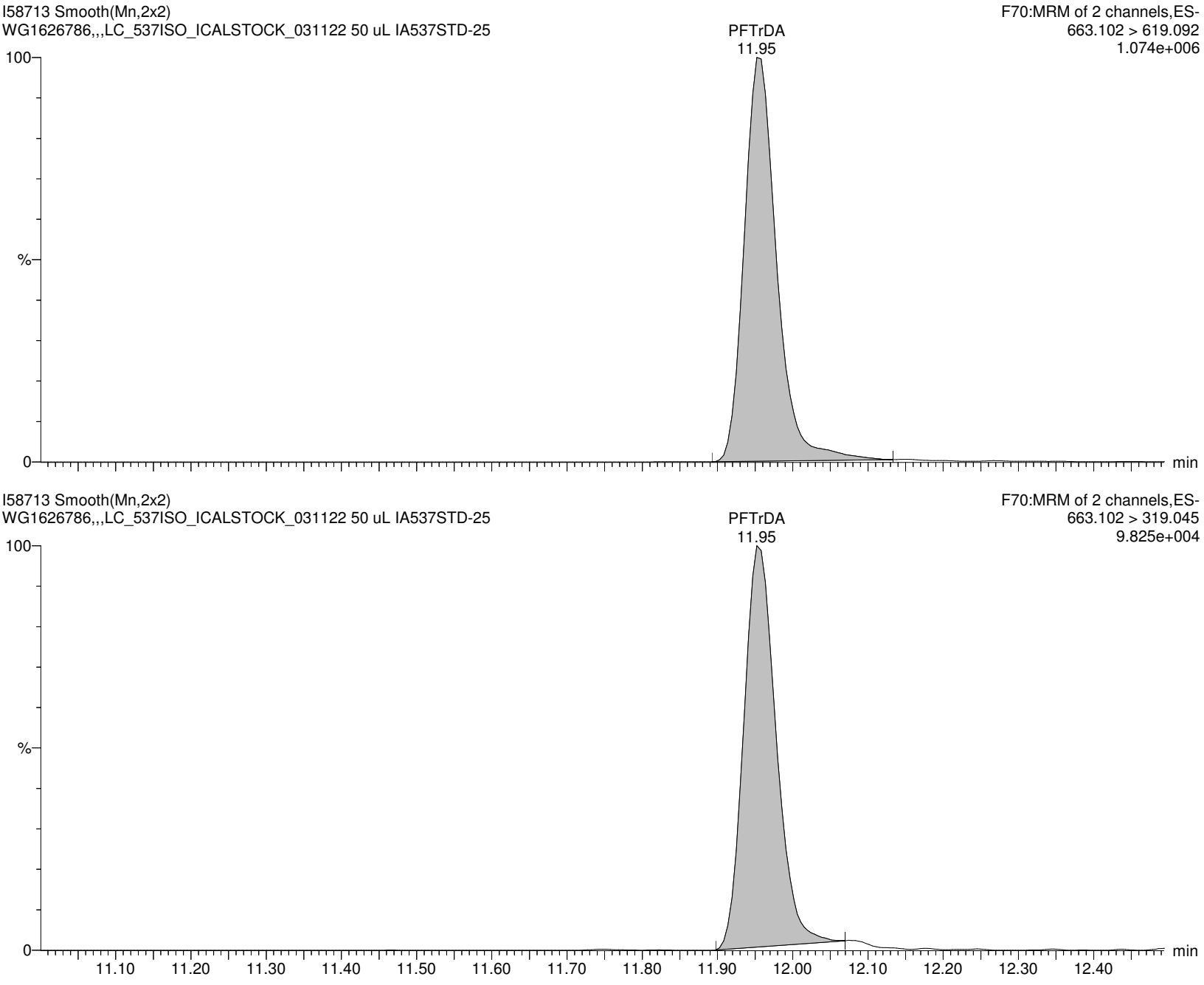


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 13-Apr-2022
Time: 17:39:29
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User: LCMS02:MP
Vial: 1:A,7
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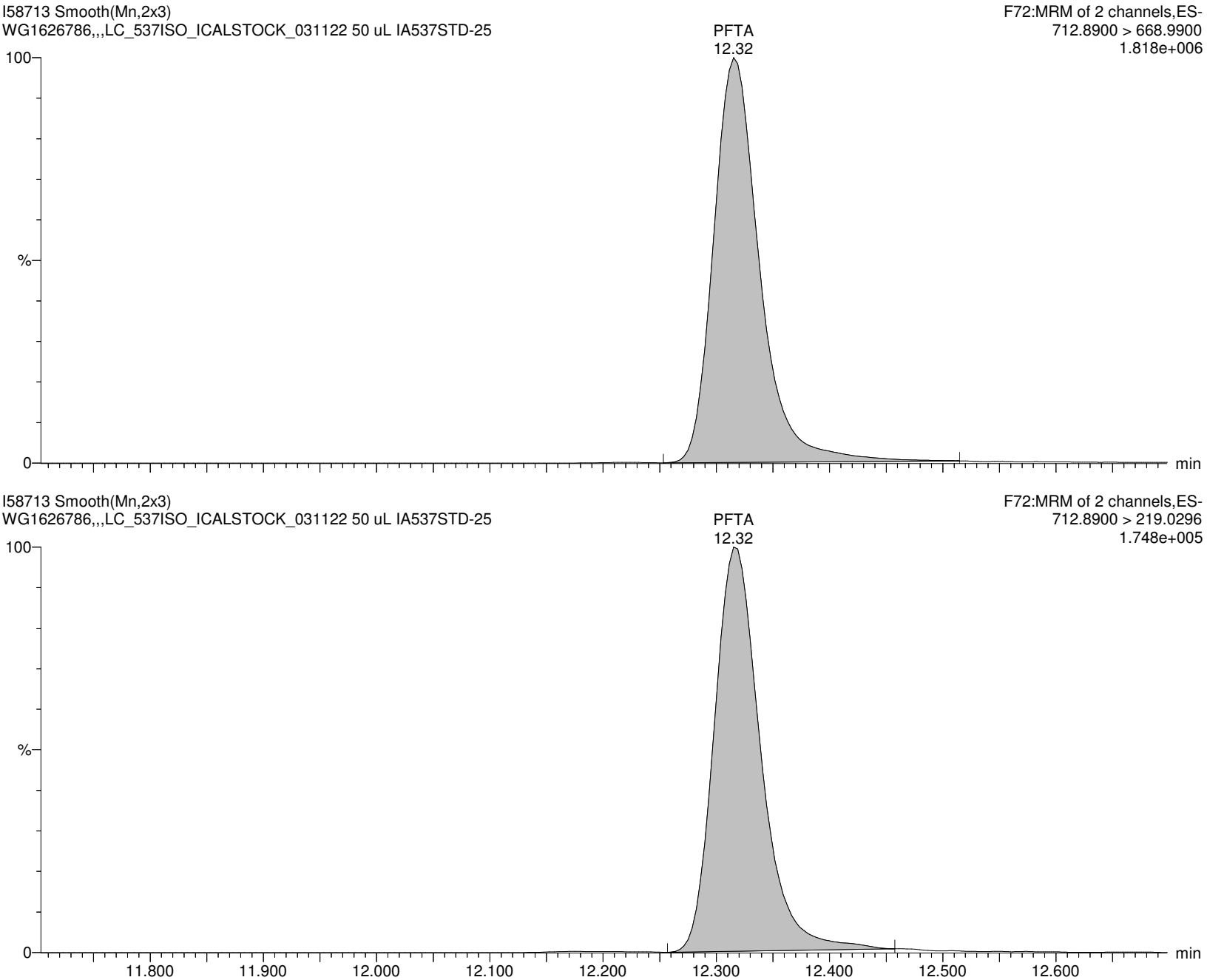


all concentration units in (ng/mL)

Alpha Analytical Inc.
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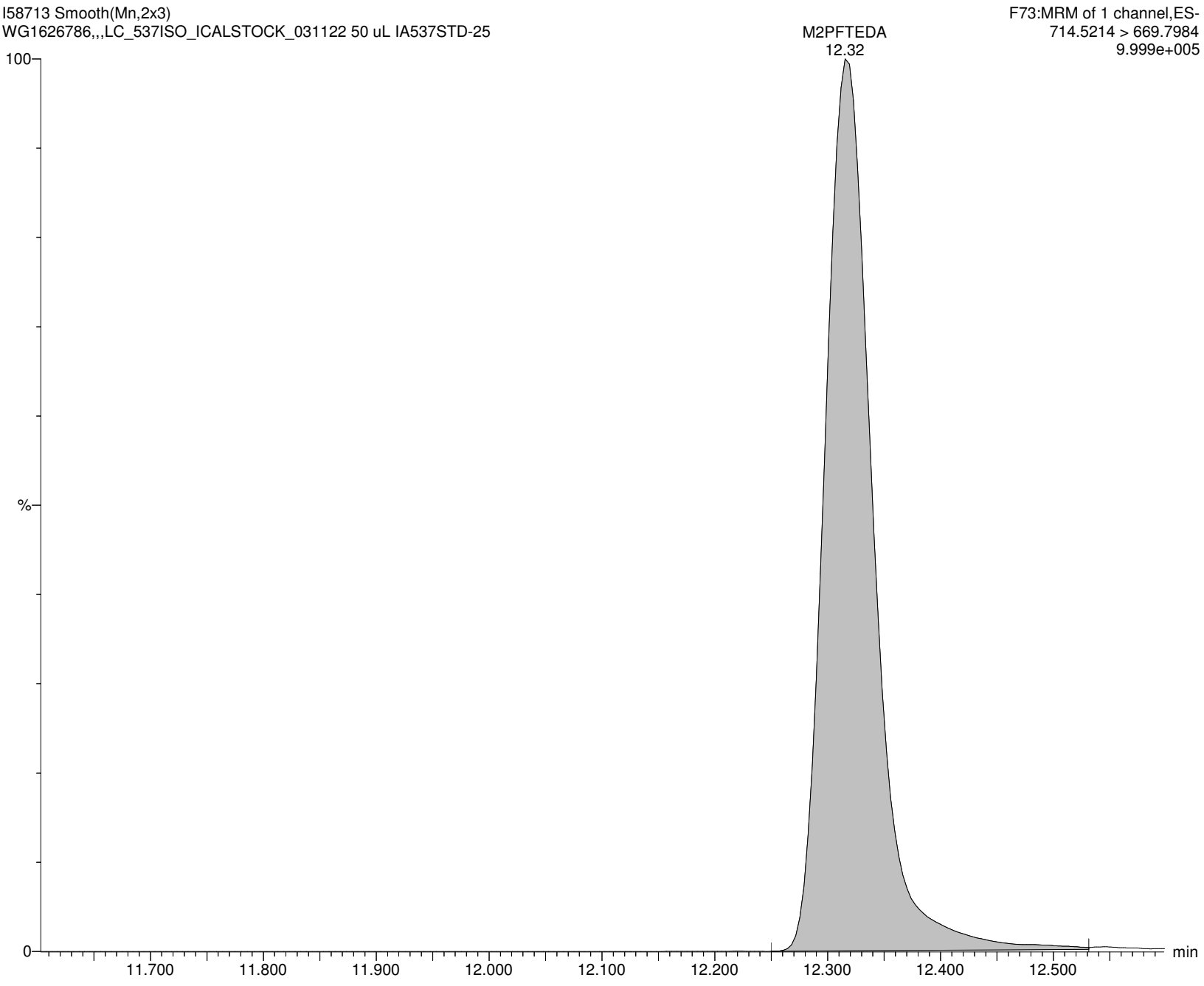


all concentration units in (ng/mL)

Alpha Analytical Inc.
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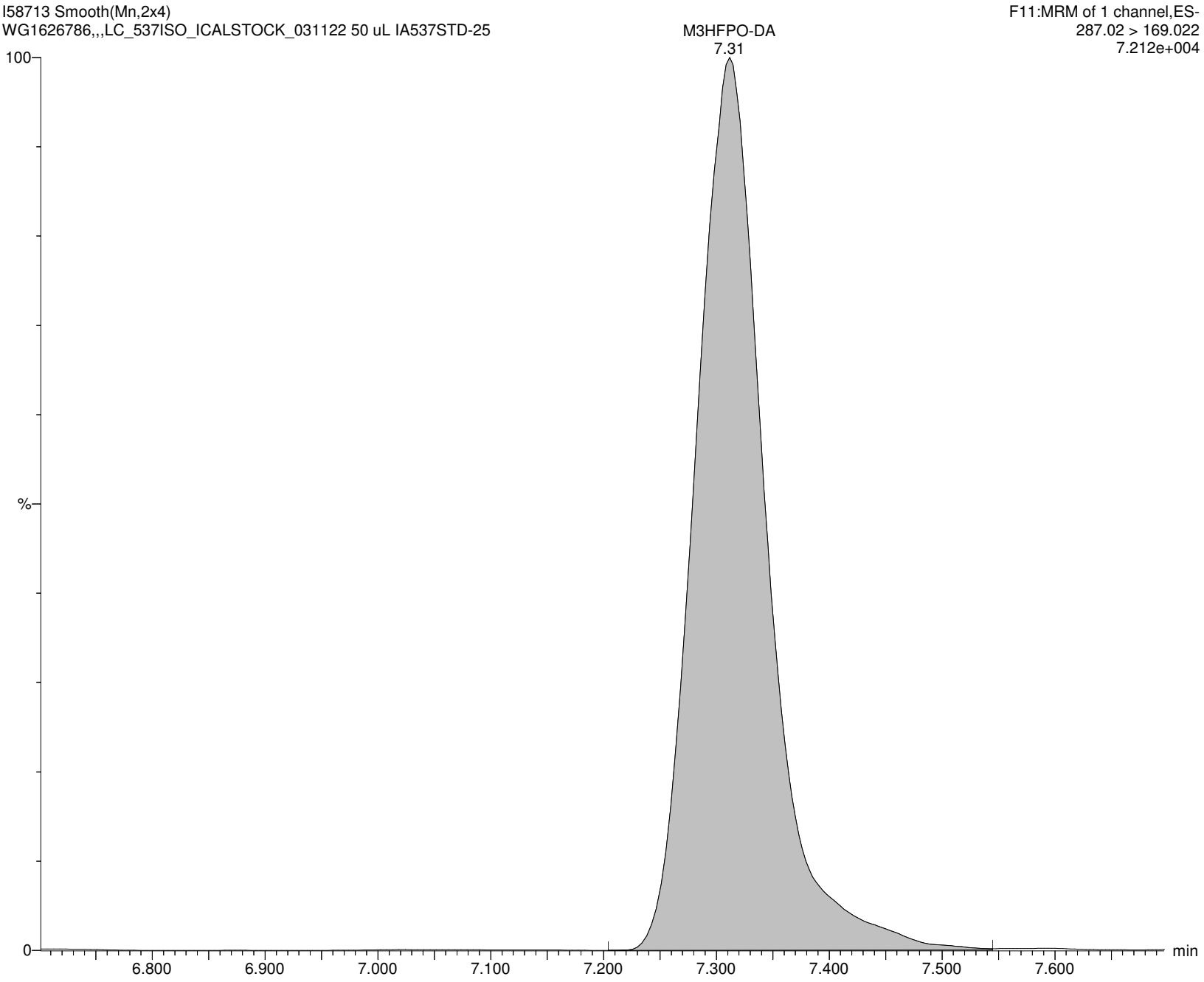


all concentration units in (ng/mL)

Alpha Analytical Inc.
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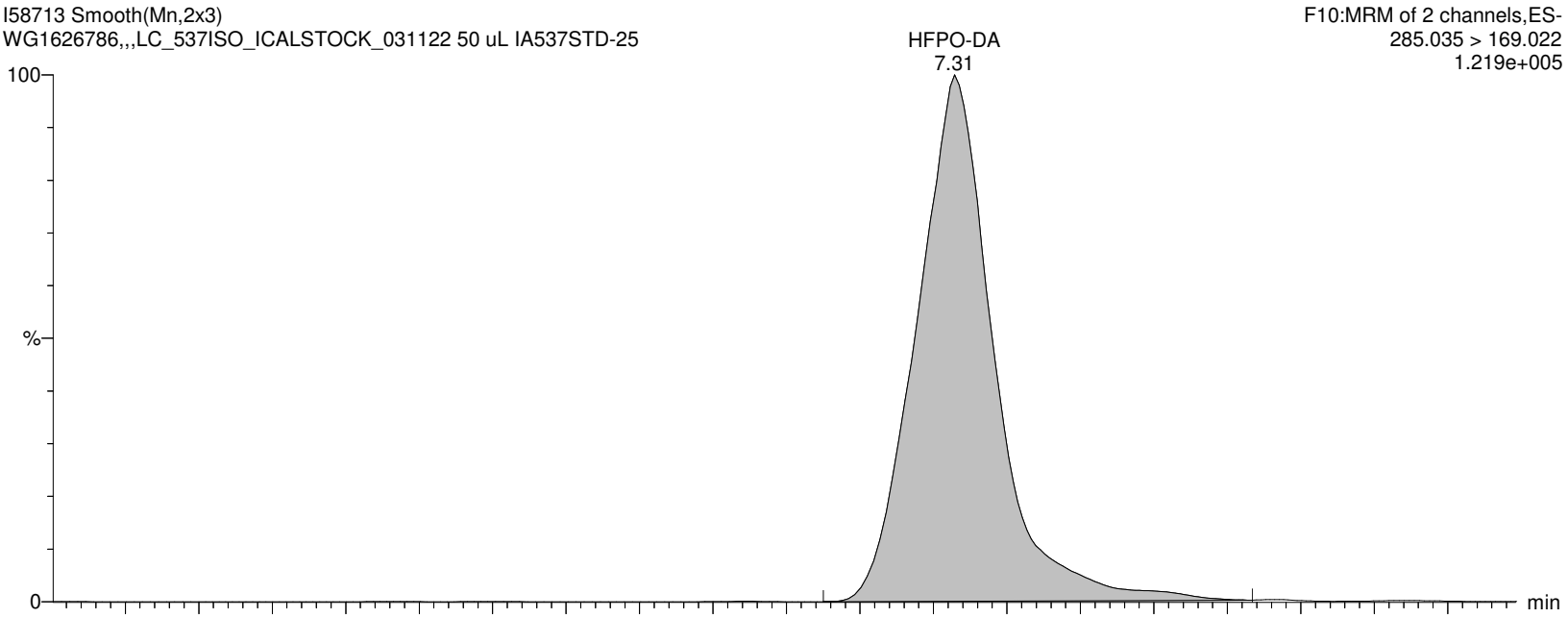


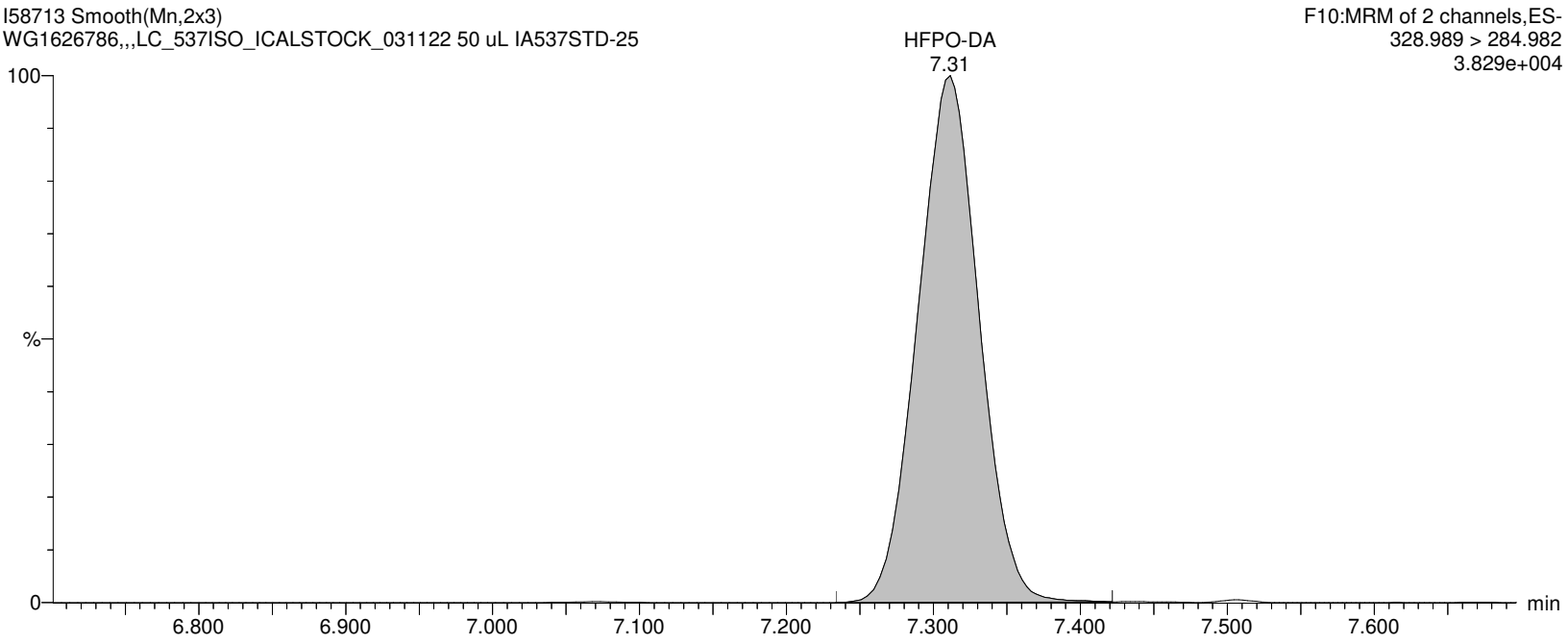
all concentration units in (ng/mL)

Alpha Analytical Inc.
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HFPO-DA



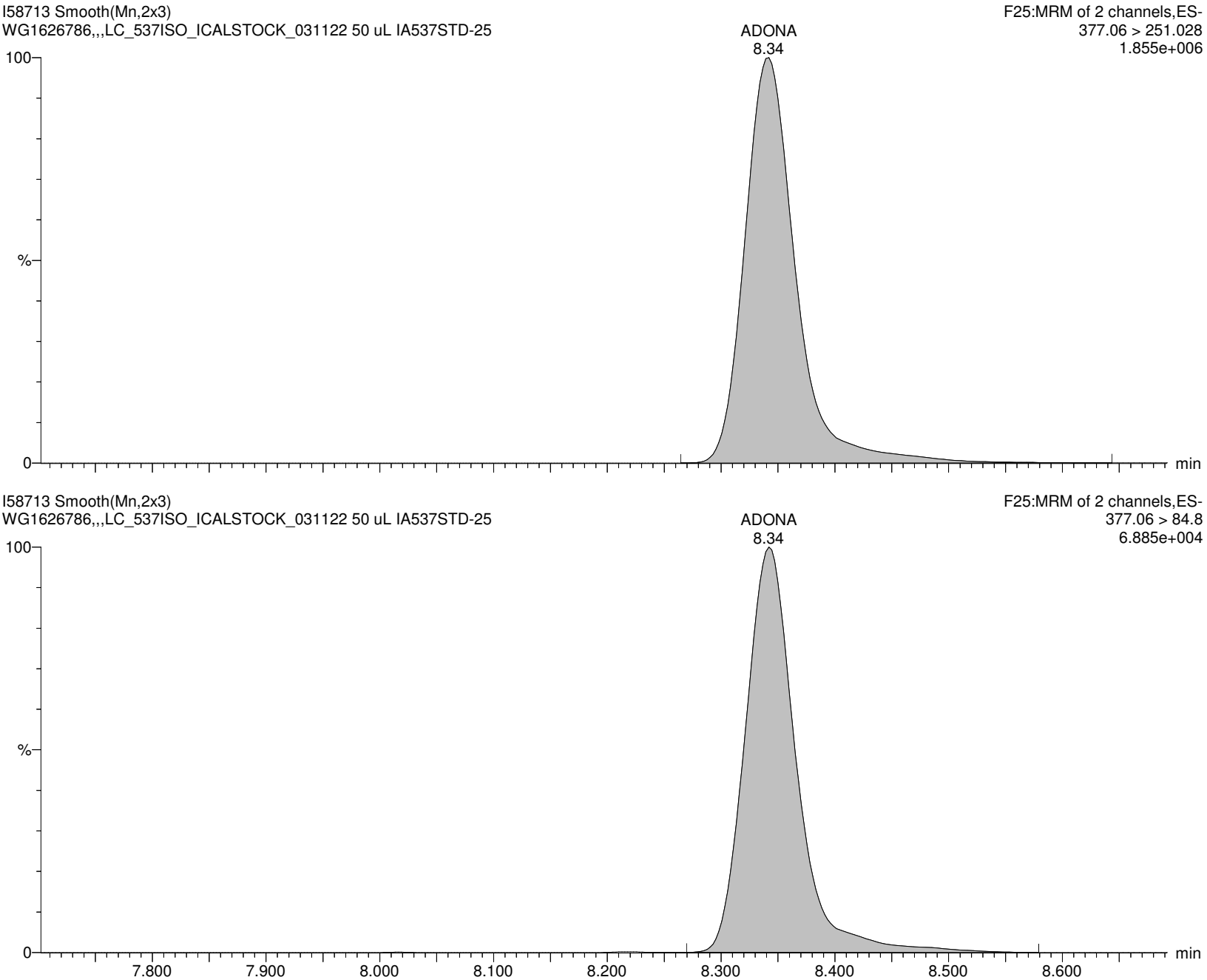


all concentration units in (ng/mL)

Alpha Analytical Inc.
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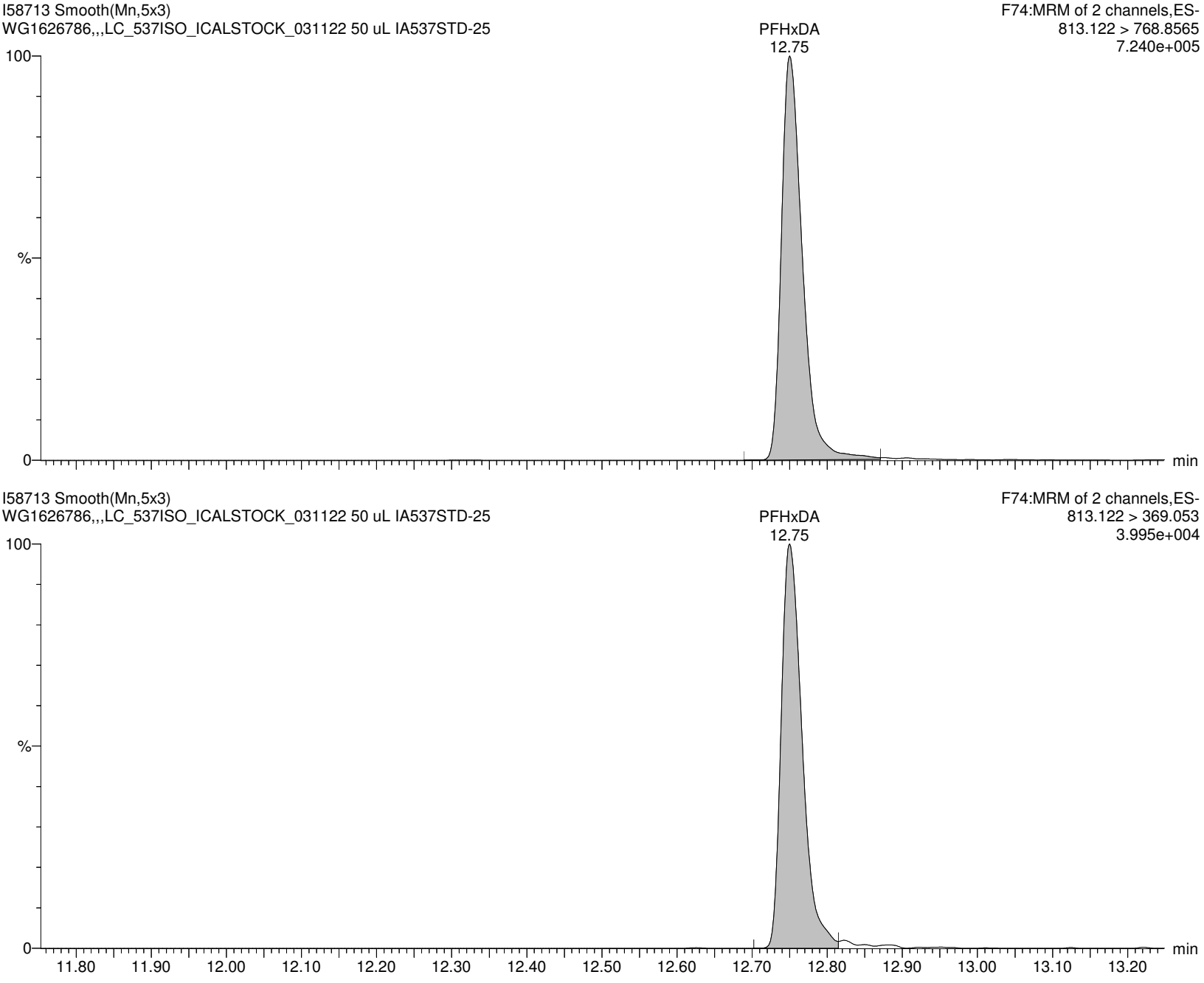


all concentration units in (ng/mL)

Alpha Analytical Inc.
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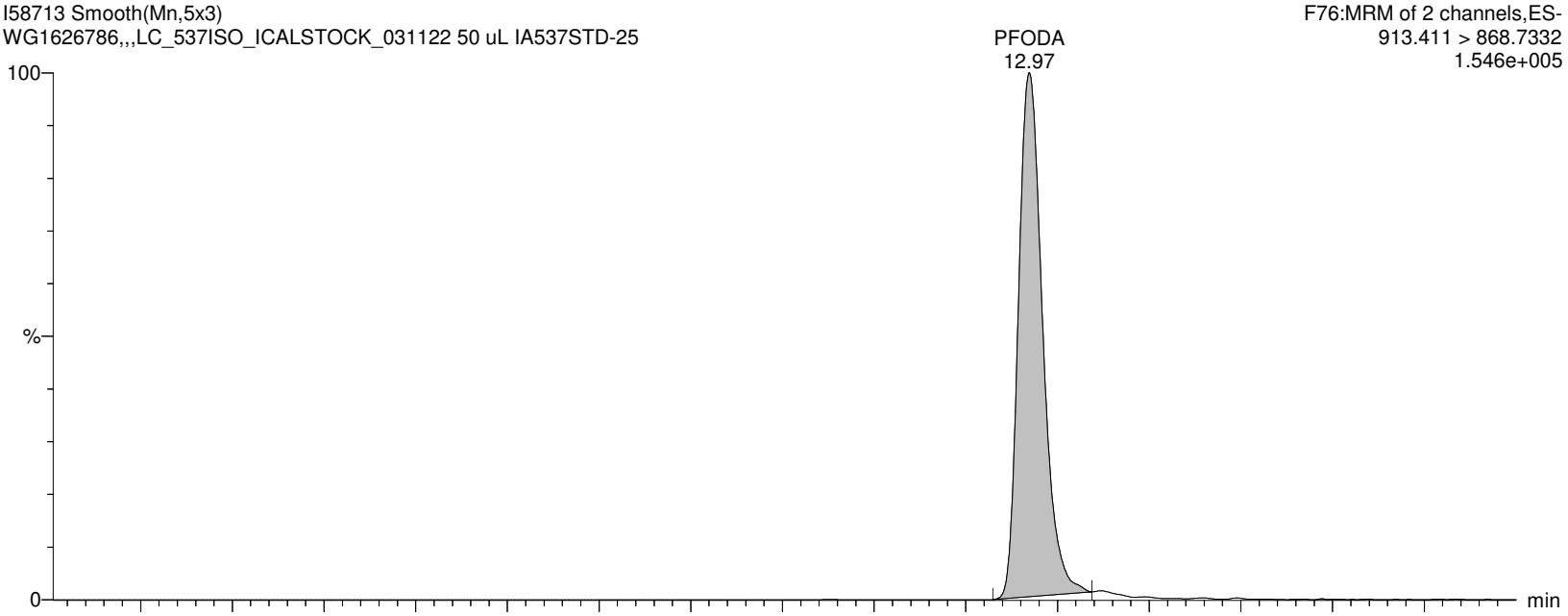


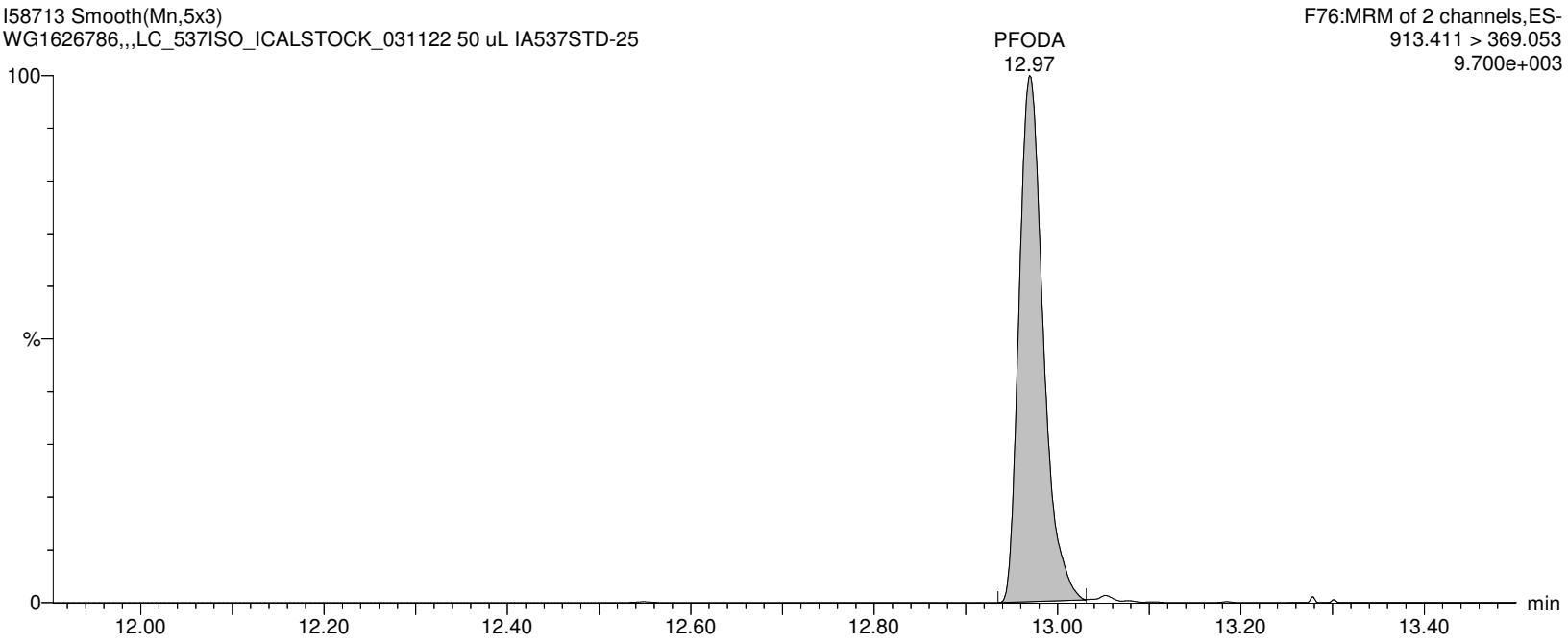
all concentration units in (ng/mL)

Alpha Analytical Inc.
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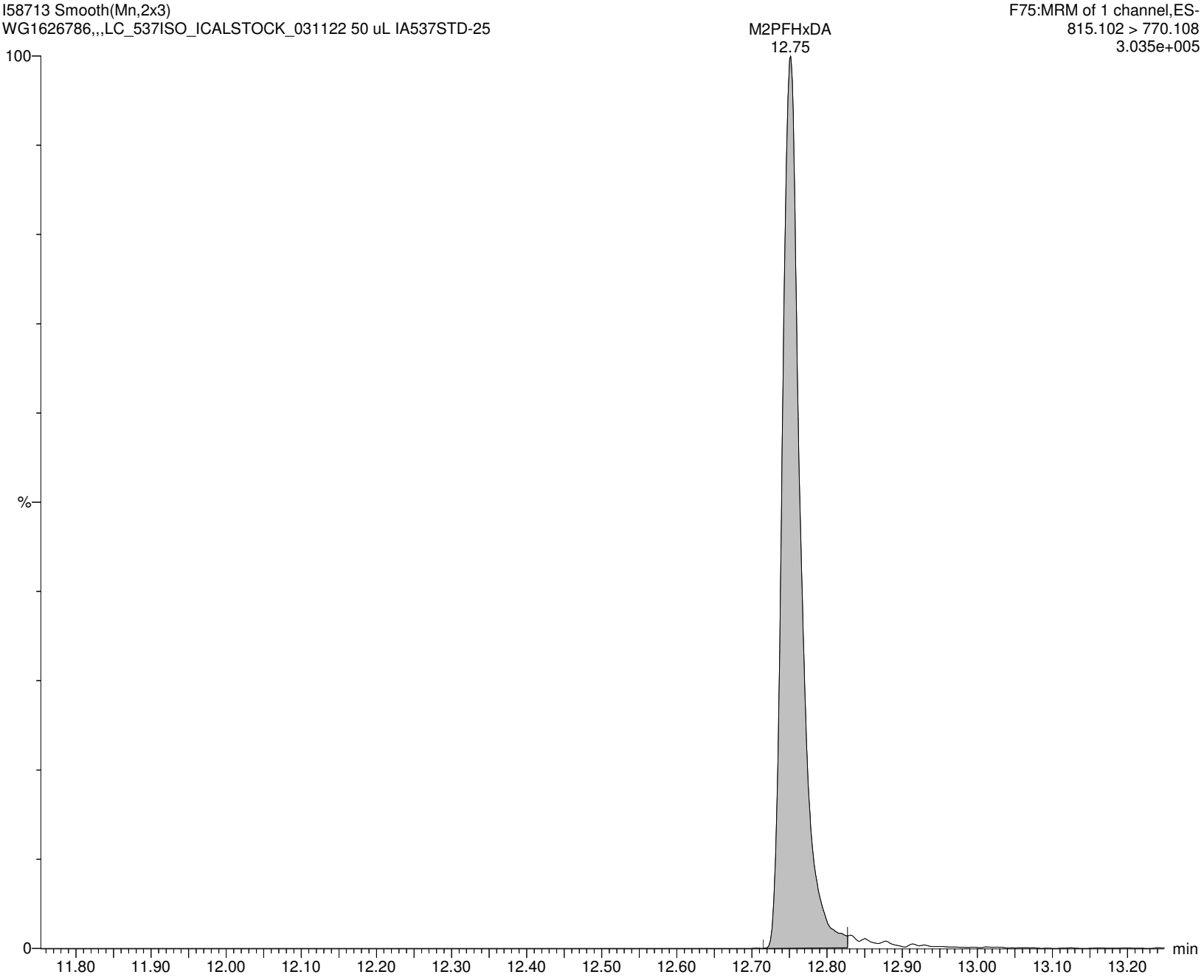


all concentration units in (ng/mL)

Alpha Analytical Inc.
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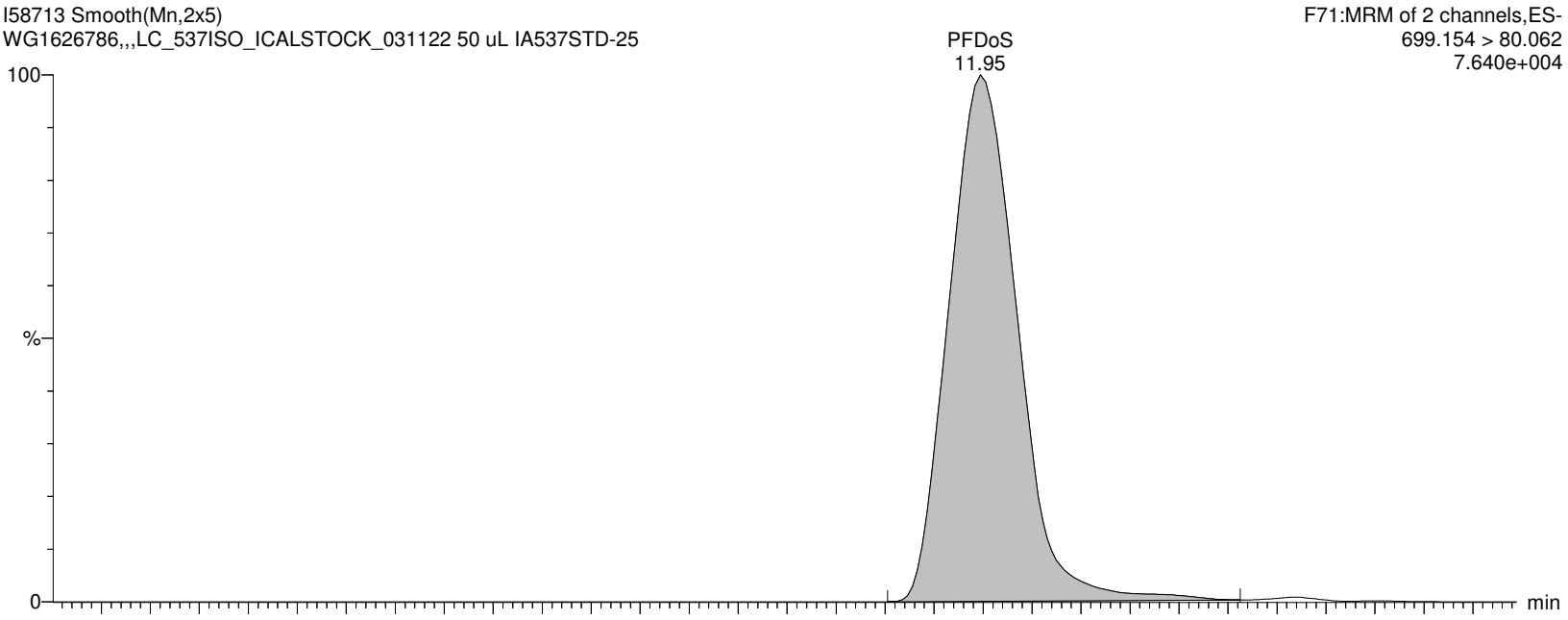


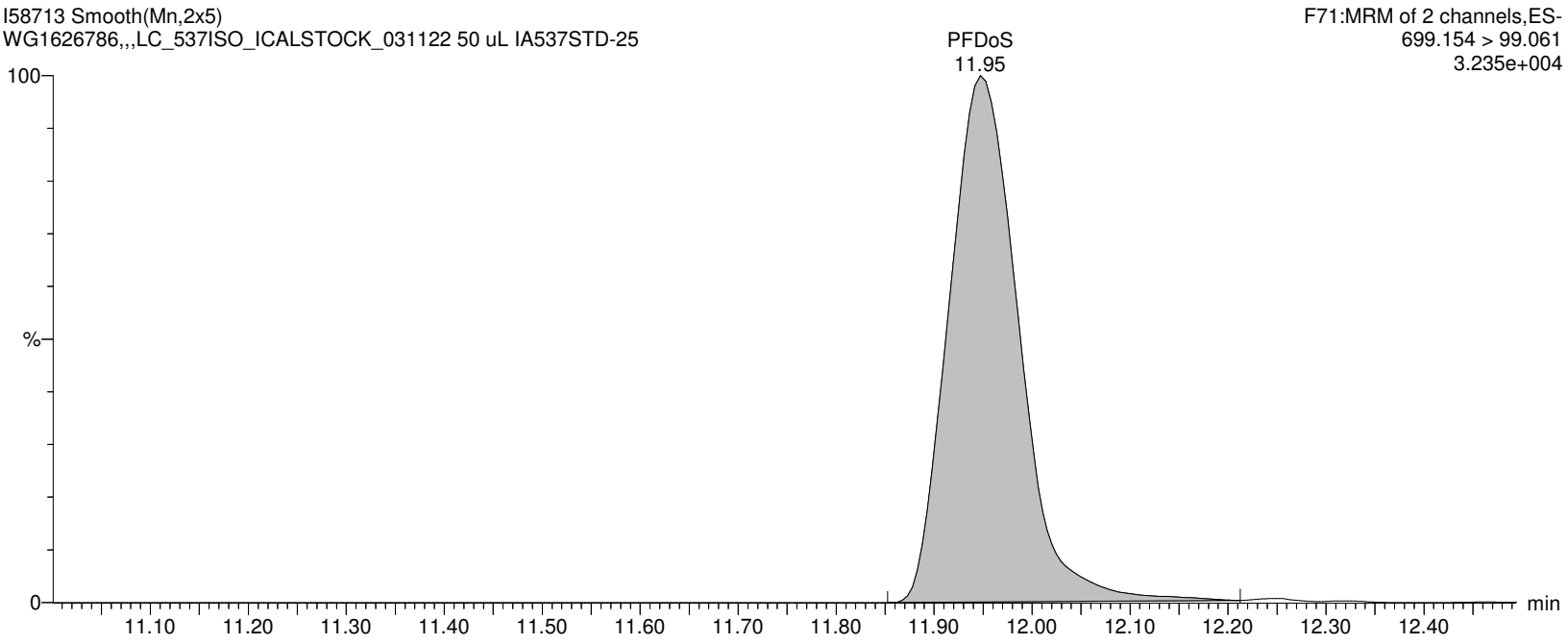
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDoS



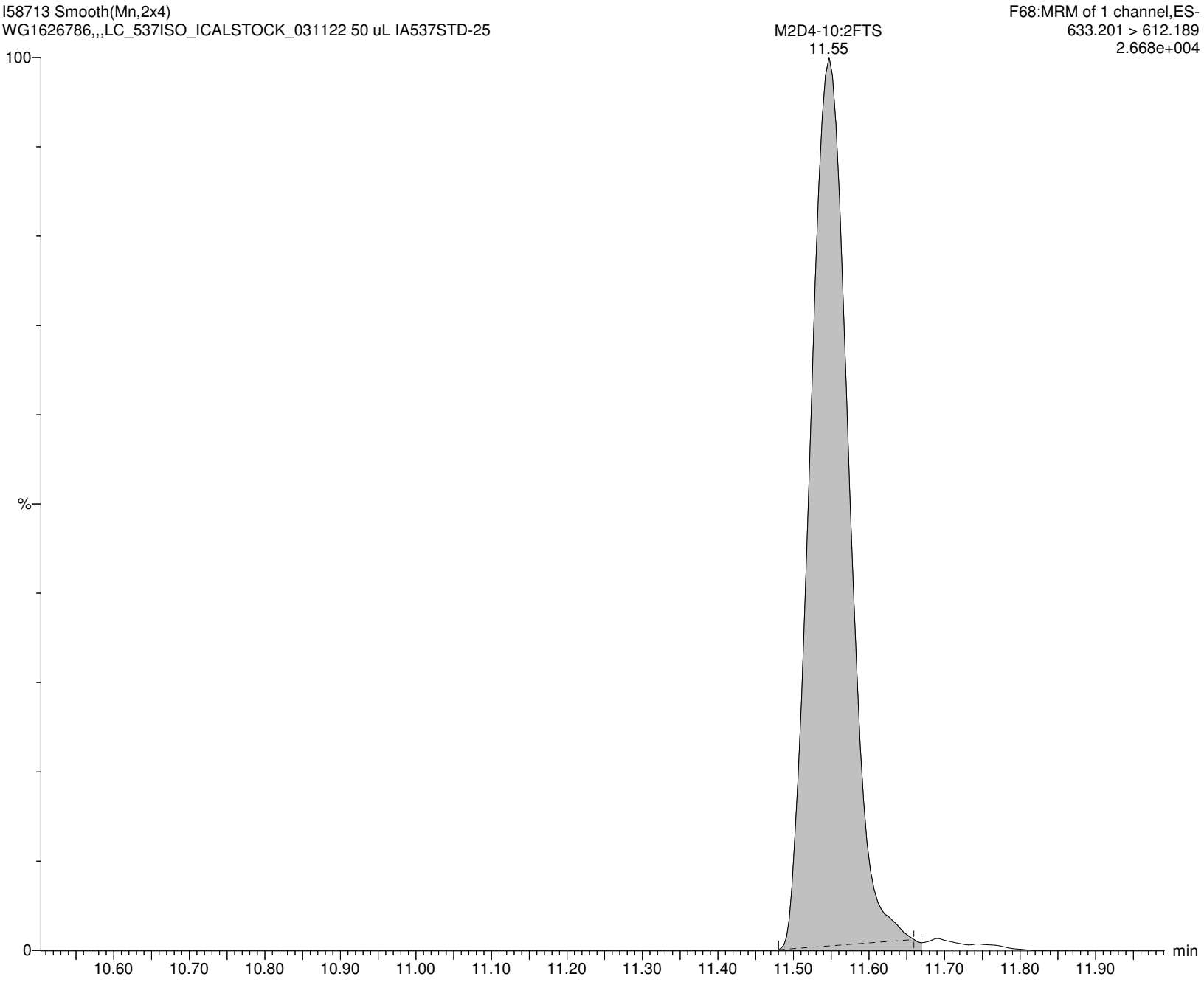


all concentration units in (ng/mL)

Alpha Analytical Inc.
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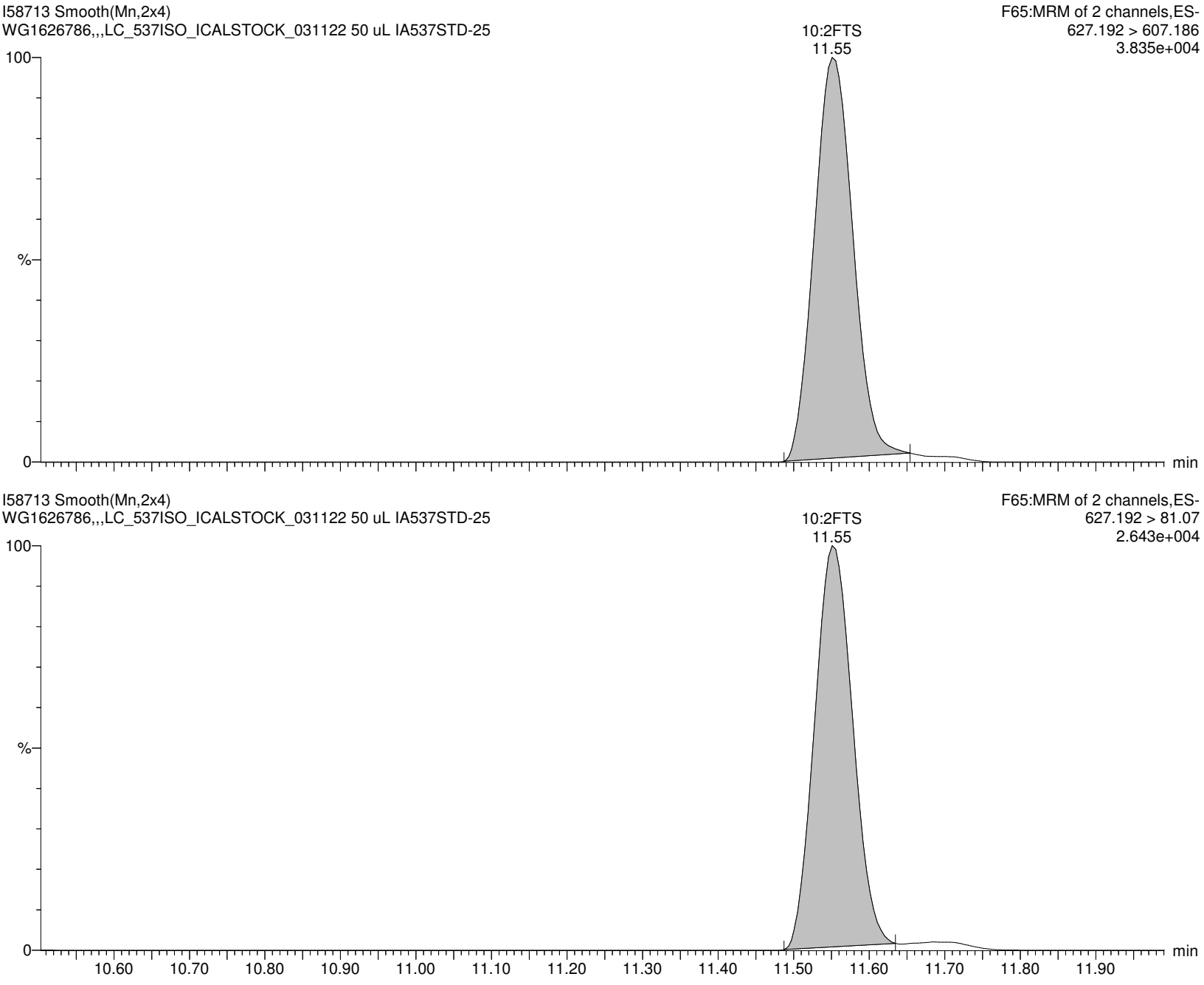


all concentration units in (ng/mL)

Alpha Analytical Inc.
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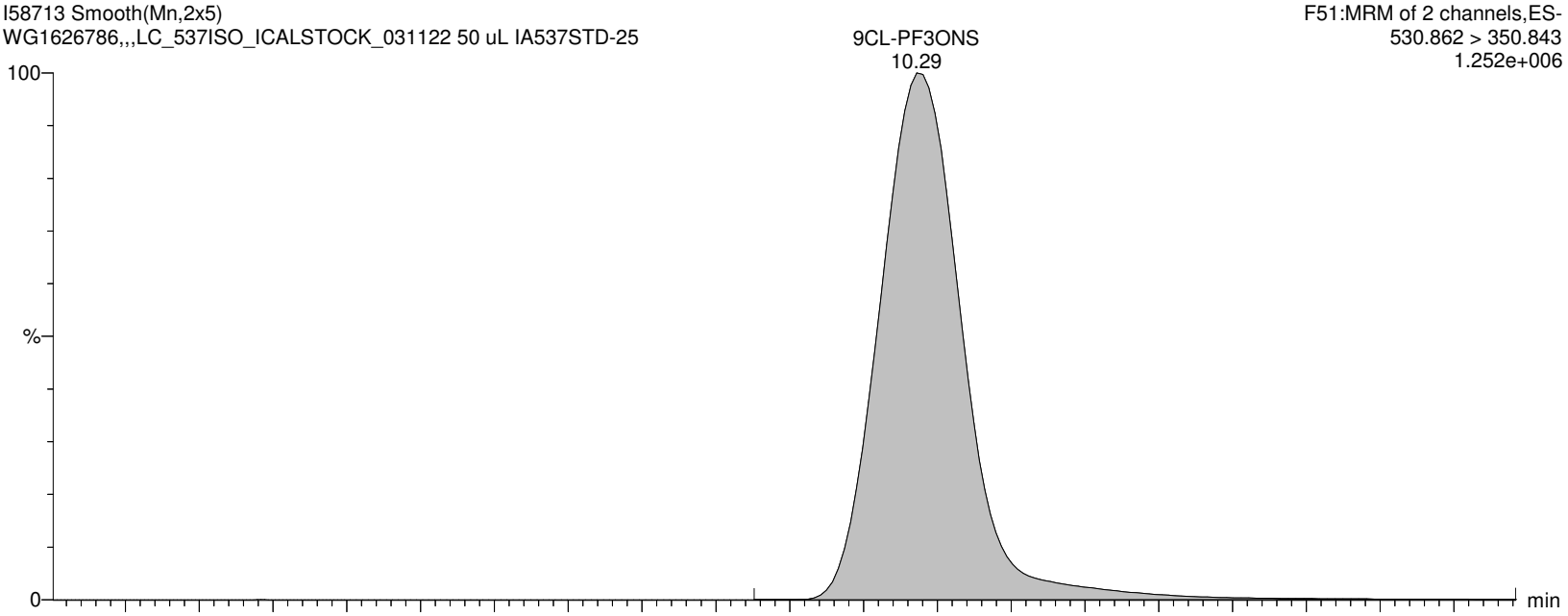


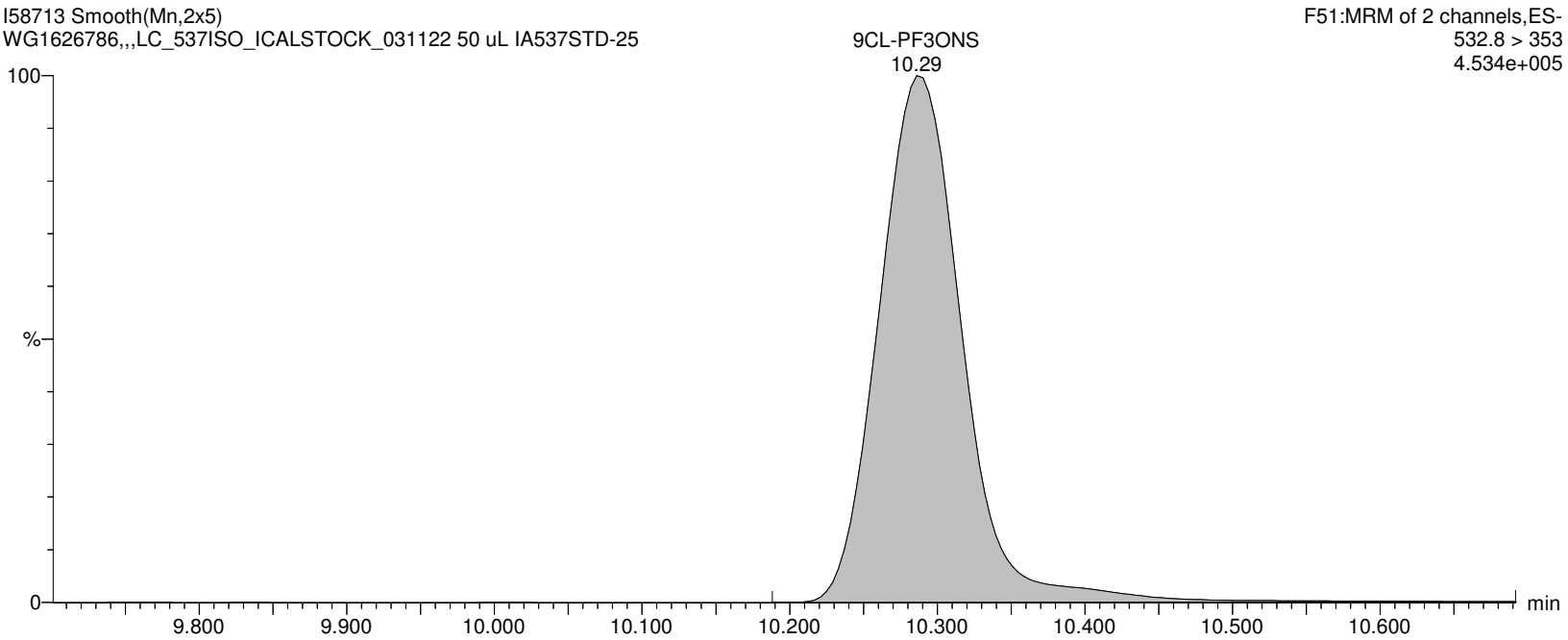
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



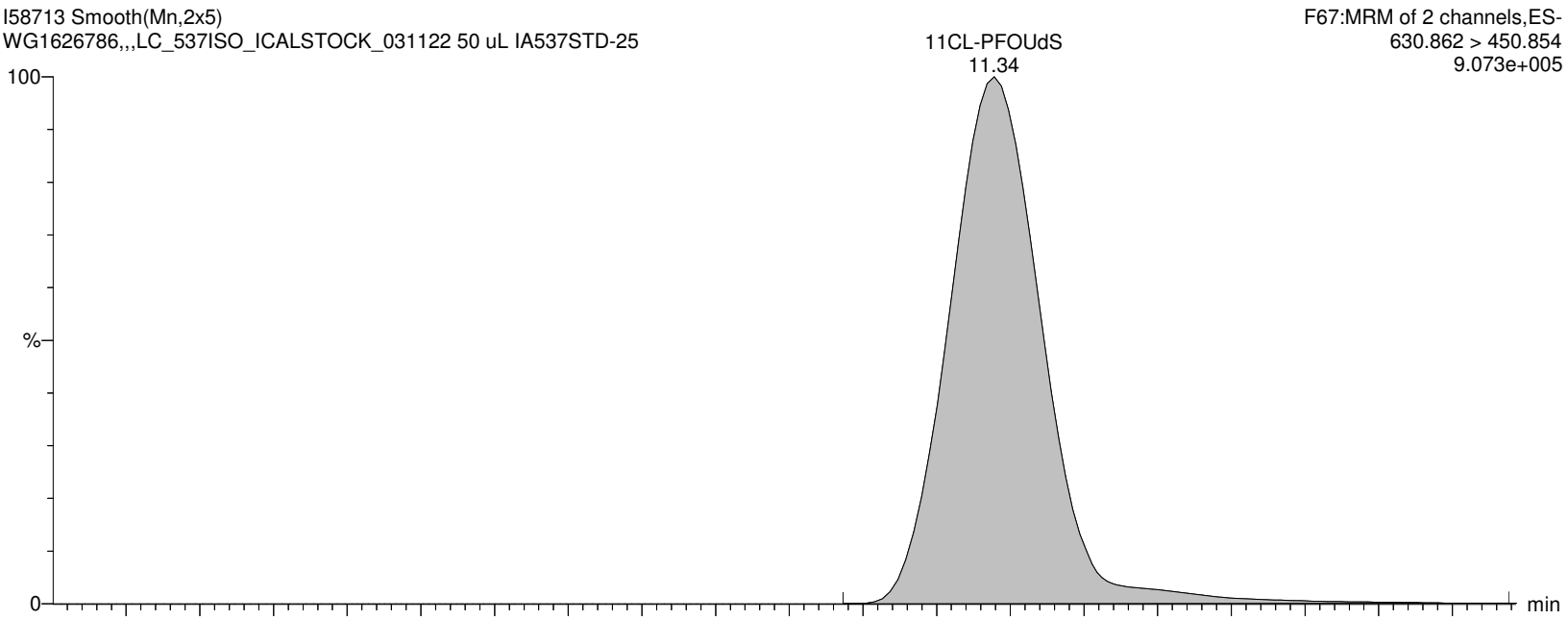


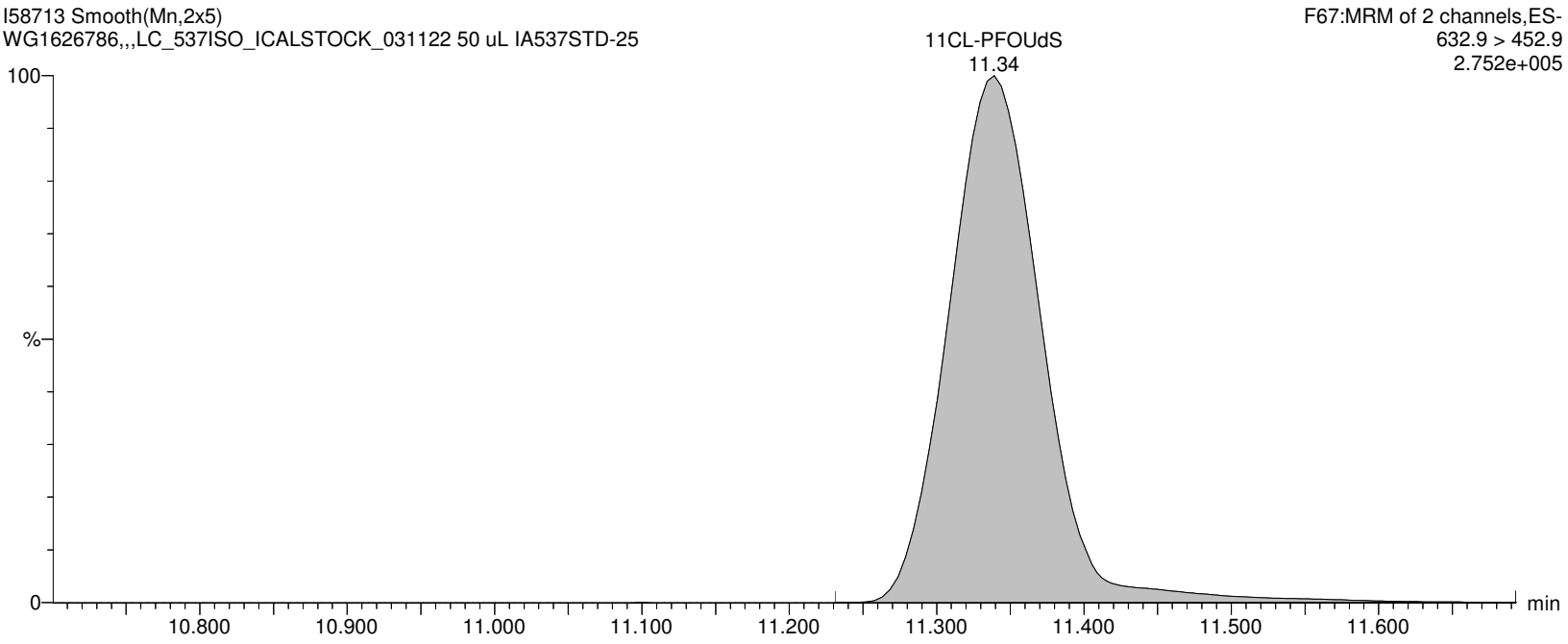
all concentration units in (ng/mL)

Alpha Analytical Inc.
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11CL-PFOUdS



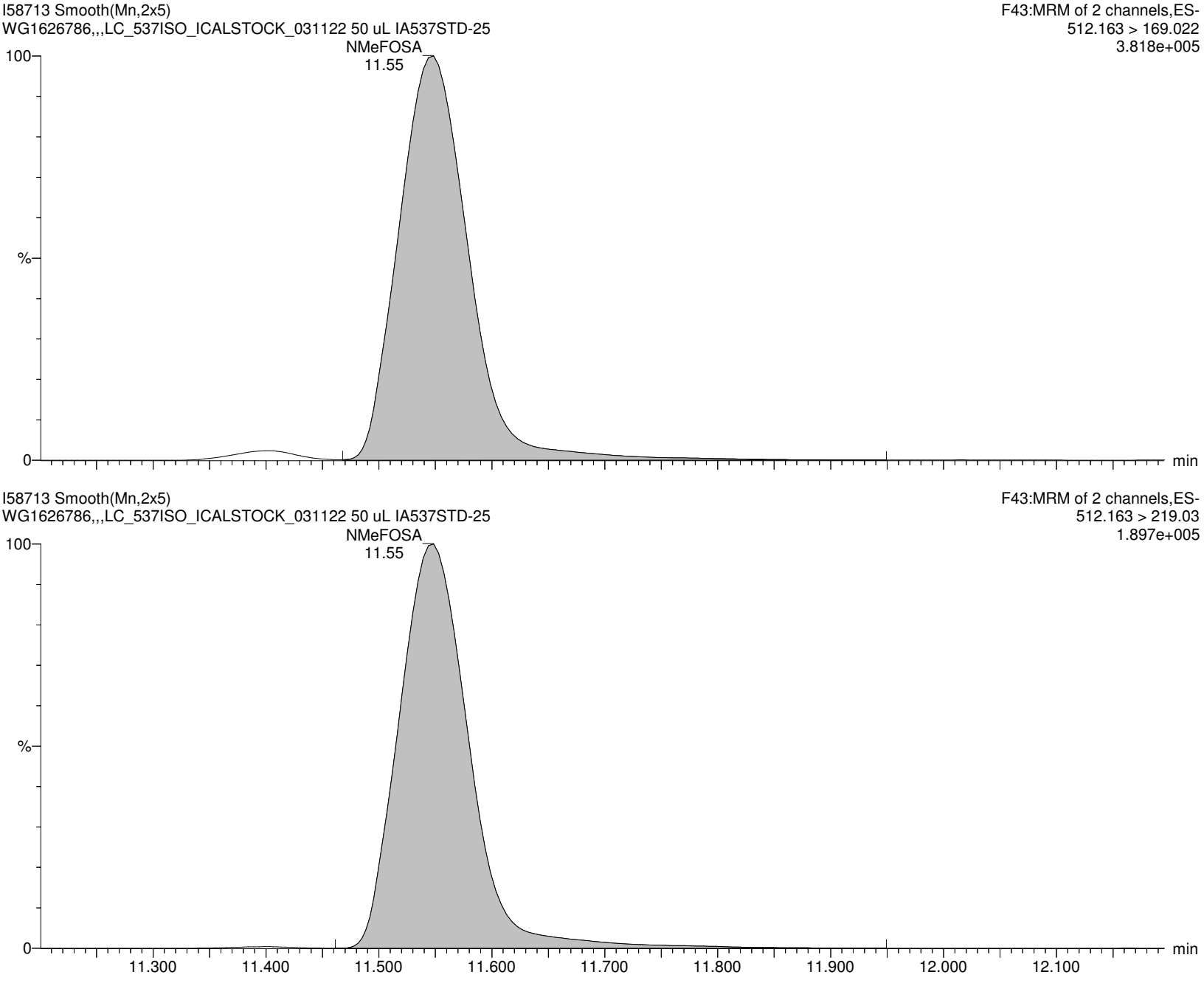


all concentration units in (ng/mL)

Alpha Analytical Inc.
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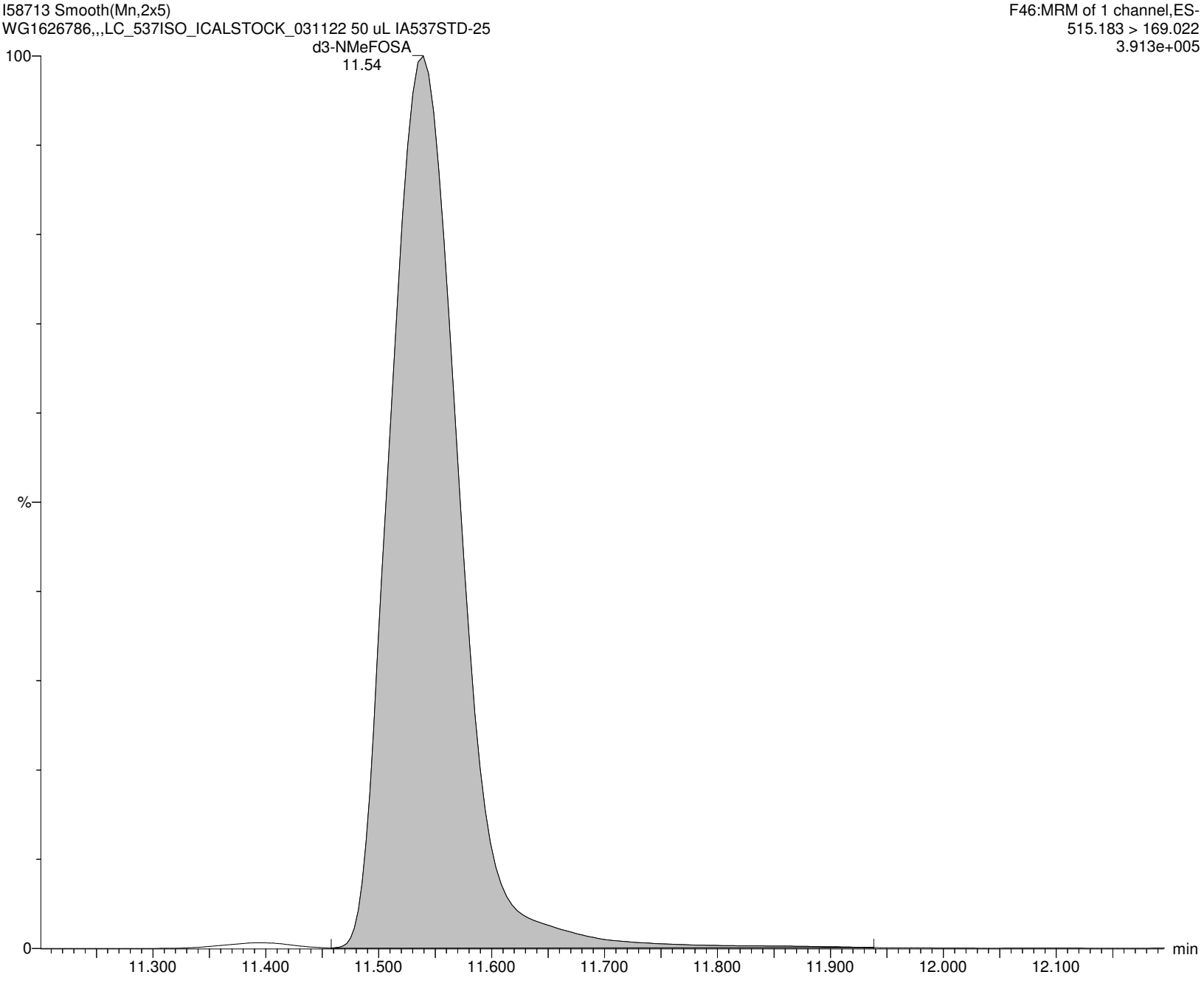


all concentration units in (ng/mL)

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d3-NMeFOSA

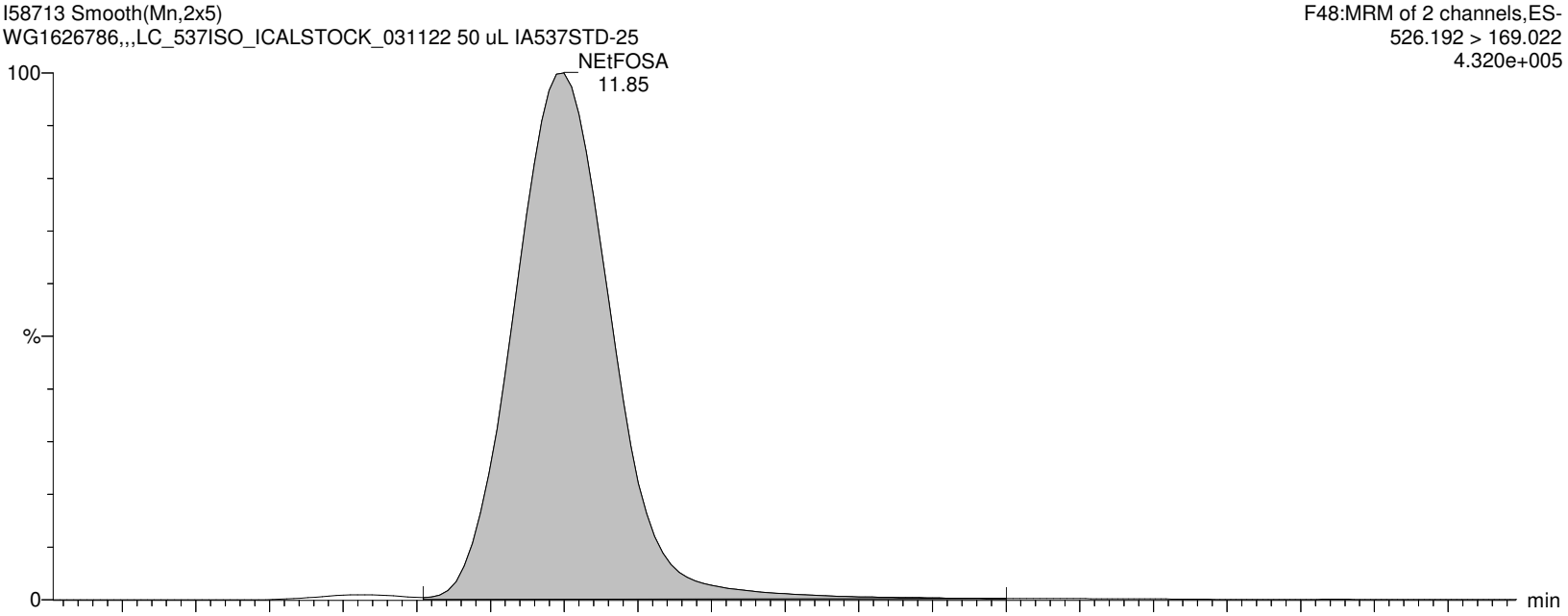


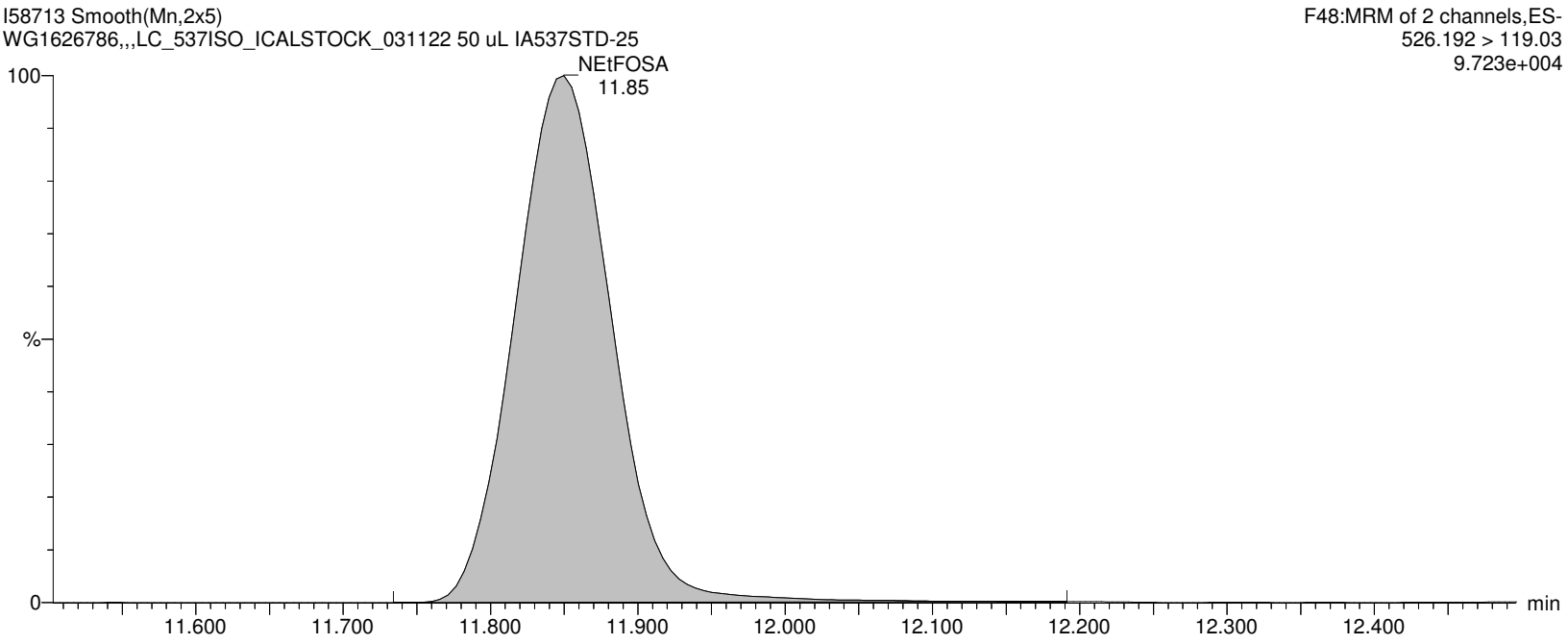
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:23 Eastern Daylight Time

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ID: IA537STD-25
Date: 13-Apr-2022
Time: 17:39:29
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User: LCMS02:MP
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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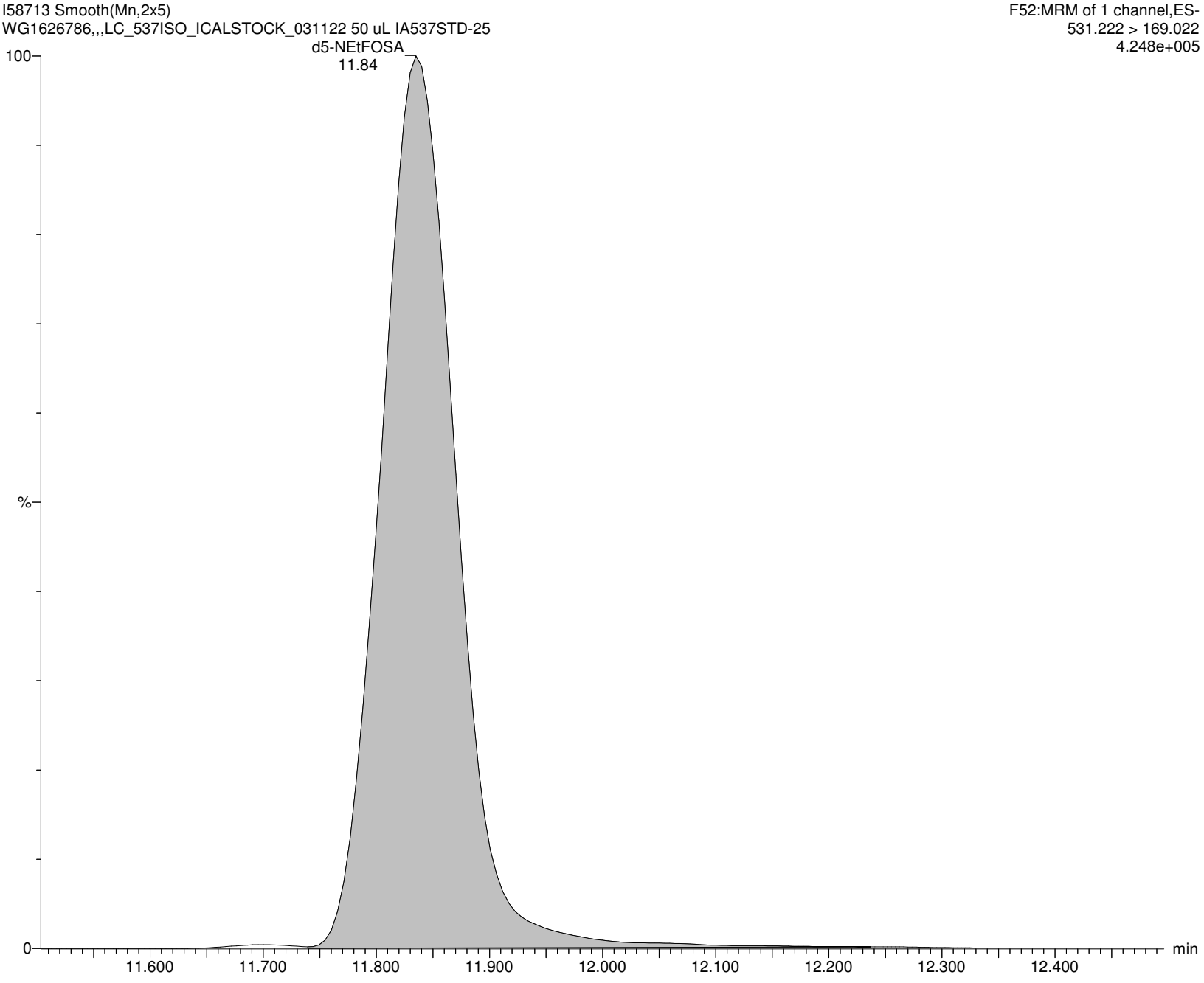


all concentration units in (ng/mL)

Alpha Analytical Inc.
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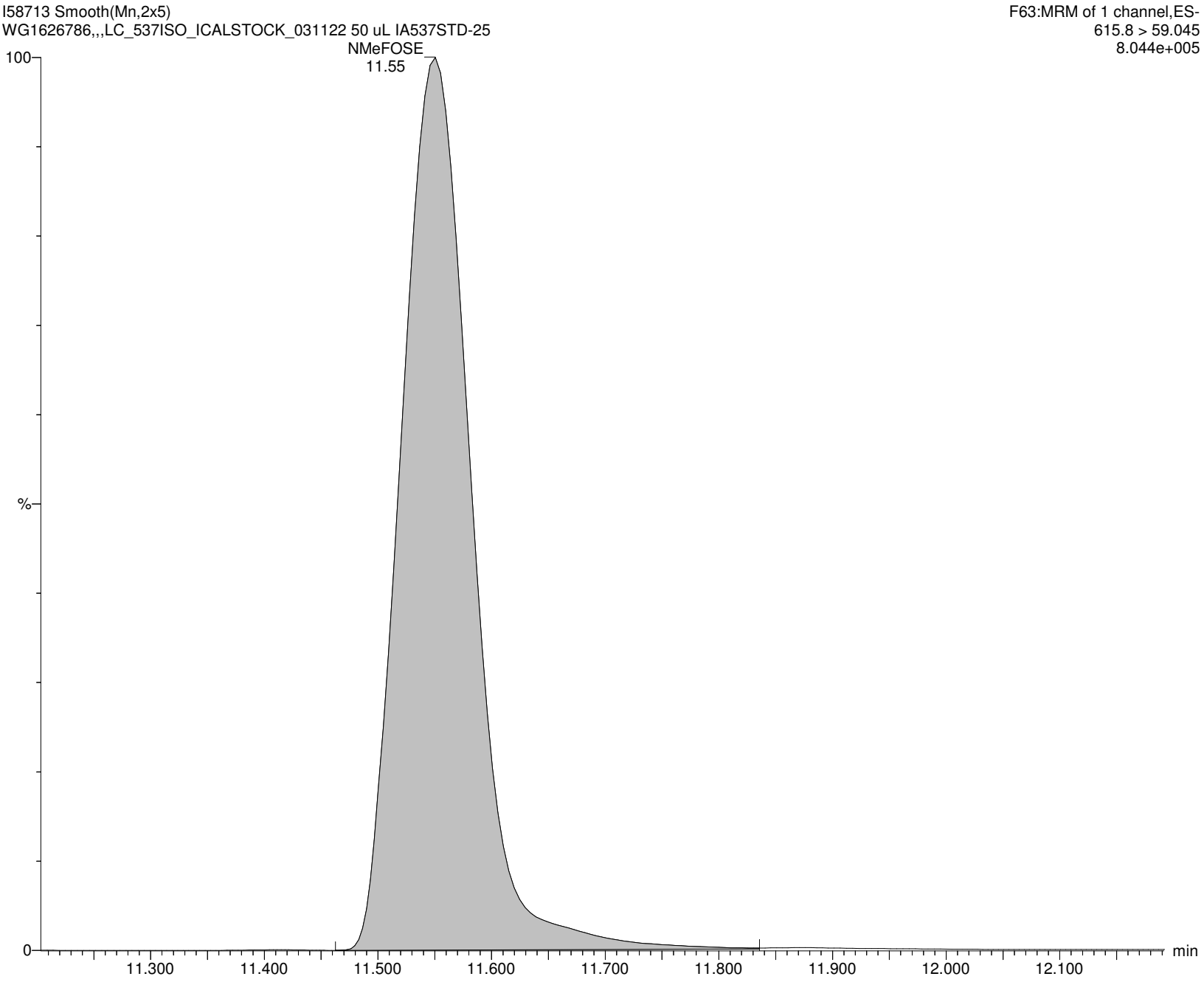


all concentration units in (ng/mL)

Alpha Analytical Inc.
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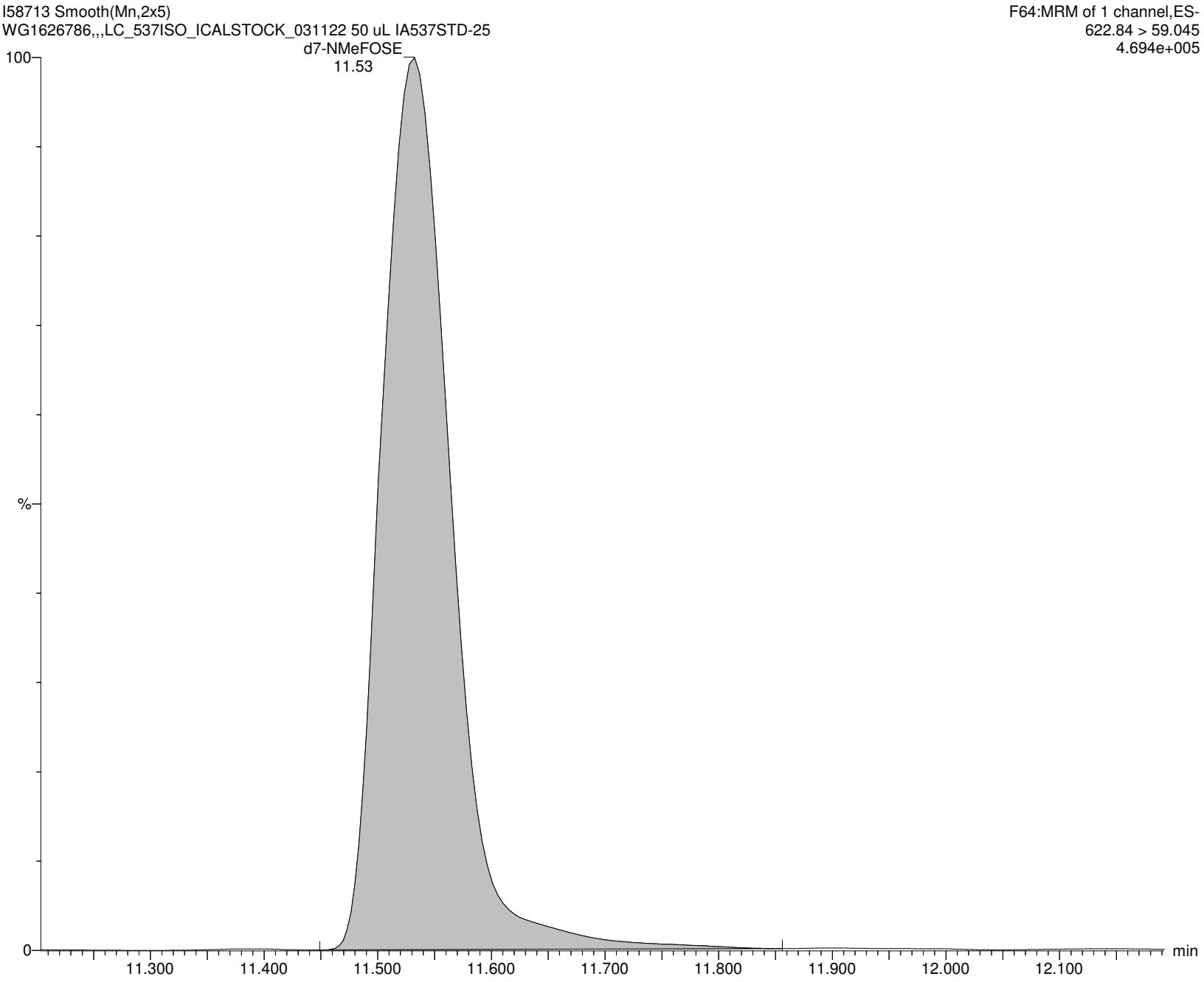


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d7-NMeFOSE

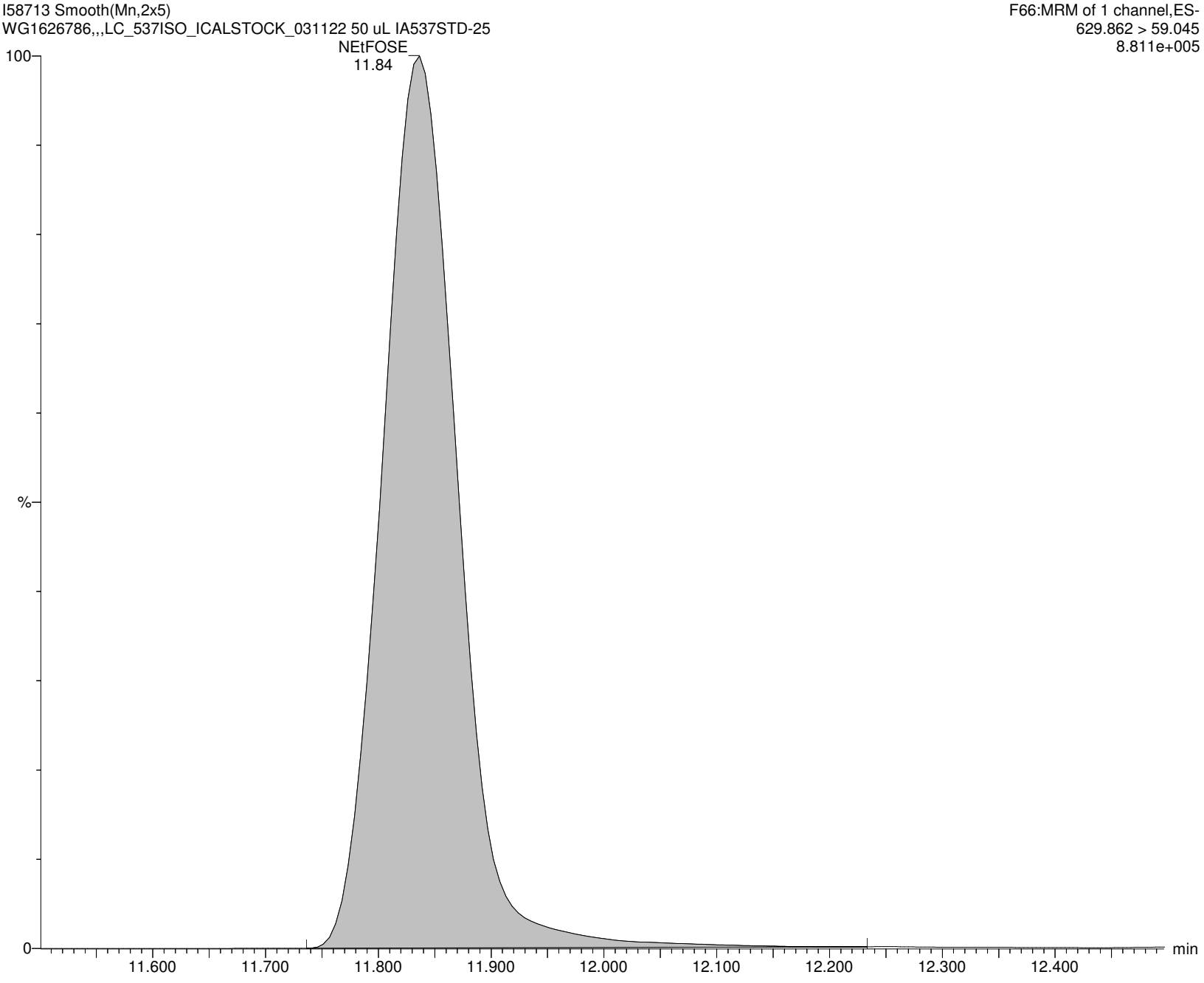


all concentration units in (ng/mL)

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NEtFOSE

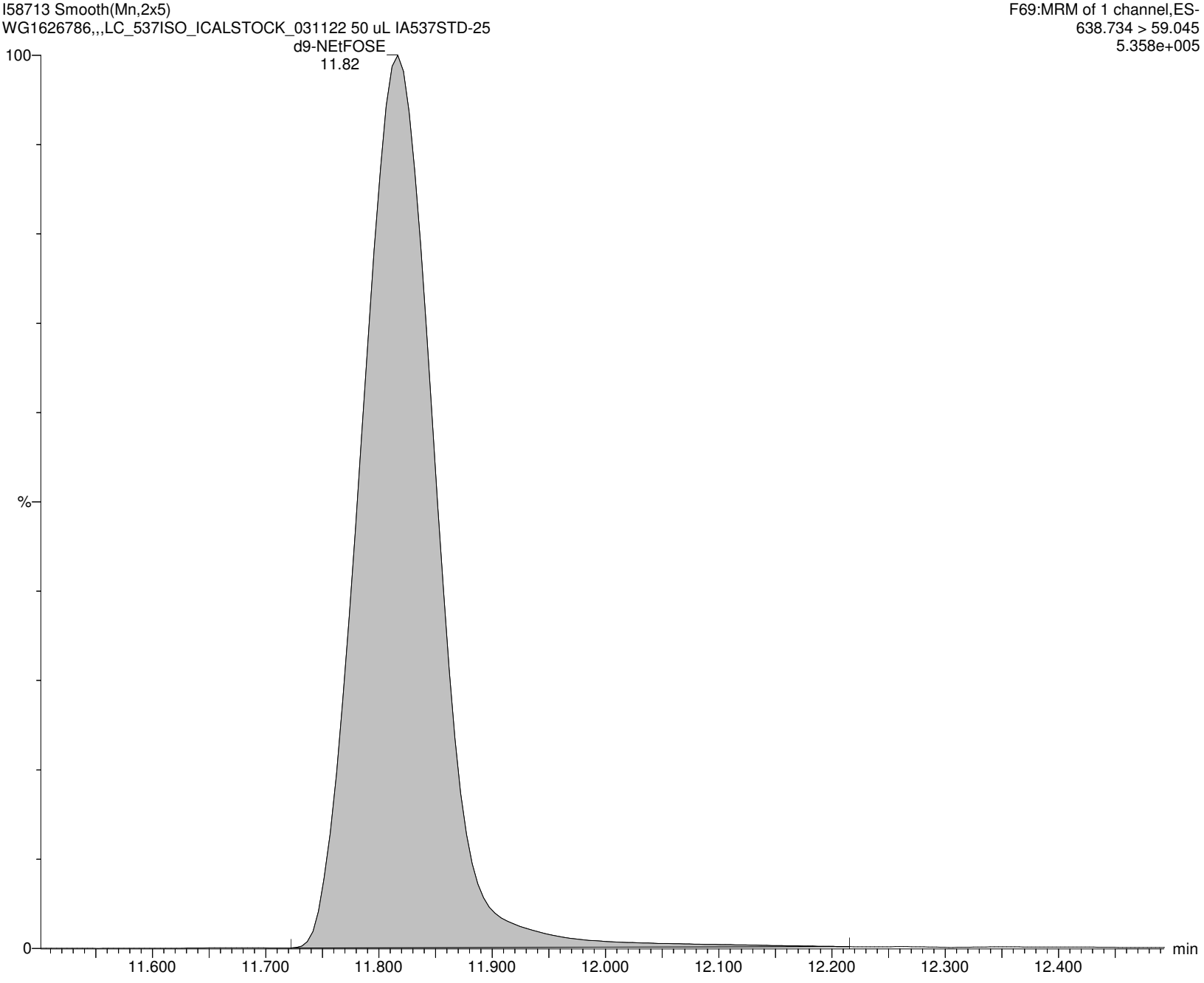


all concentration units in (ng/mL)

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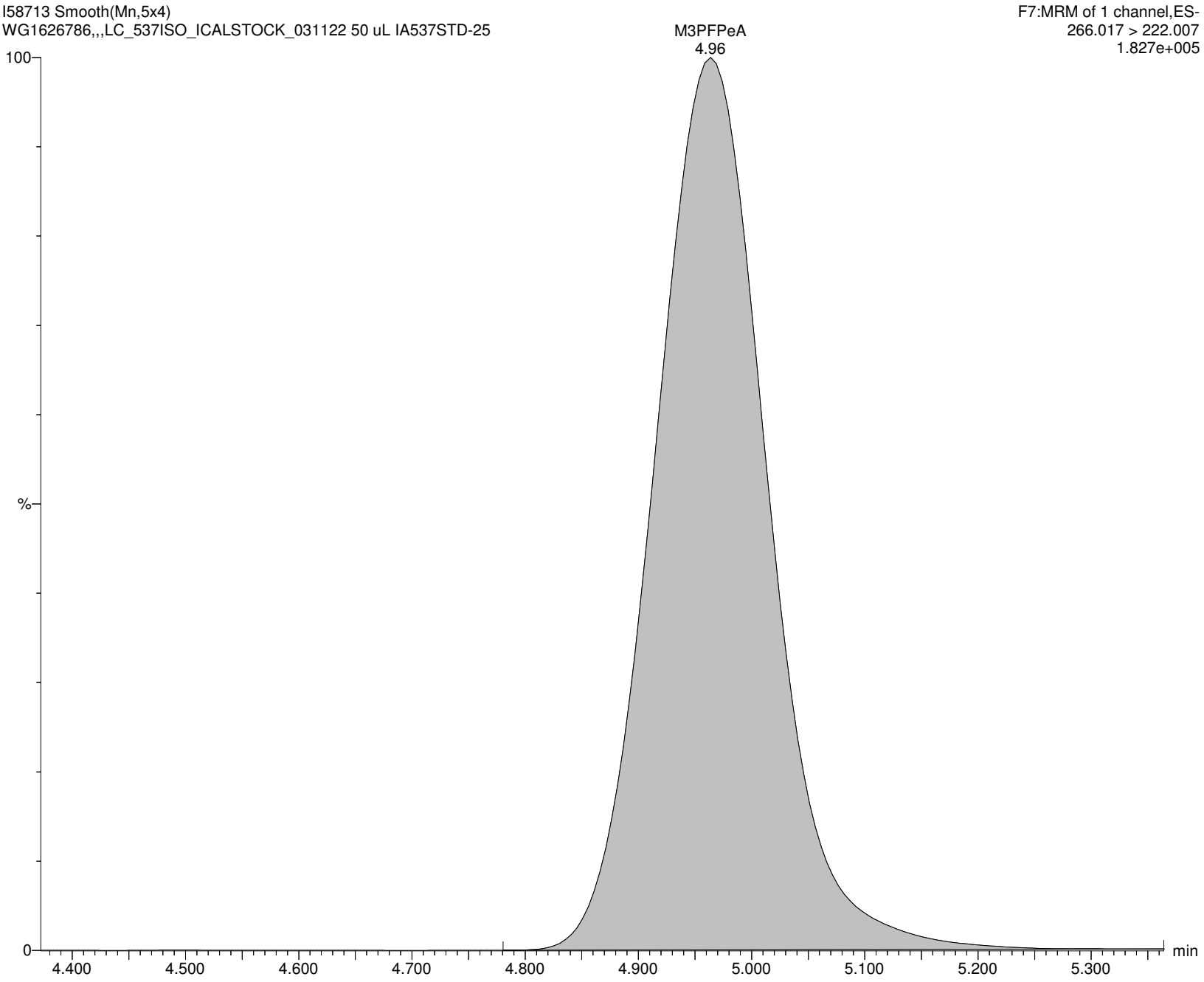


all concentration units in (ng/mL)

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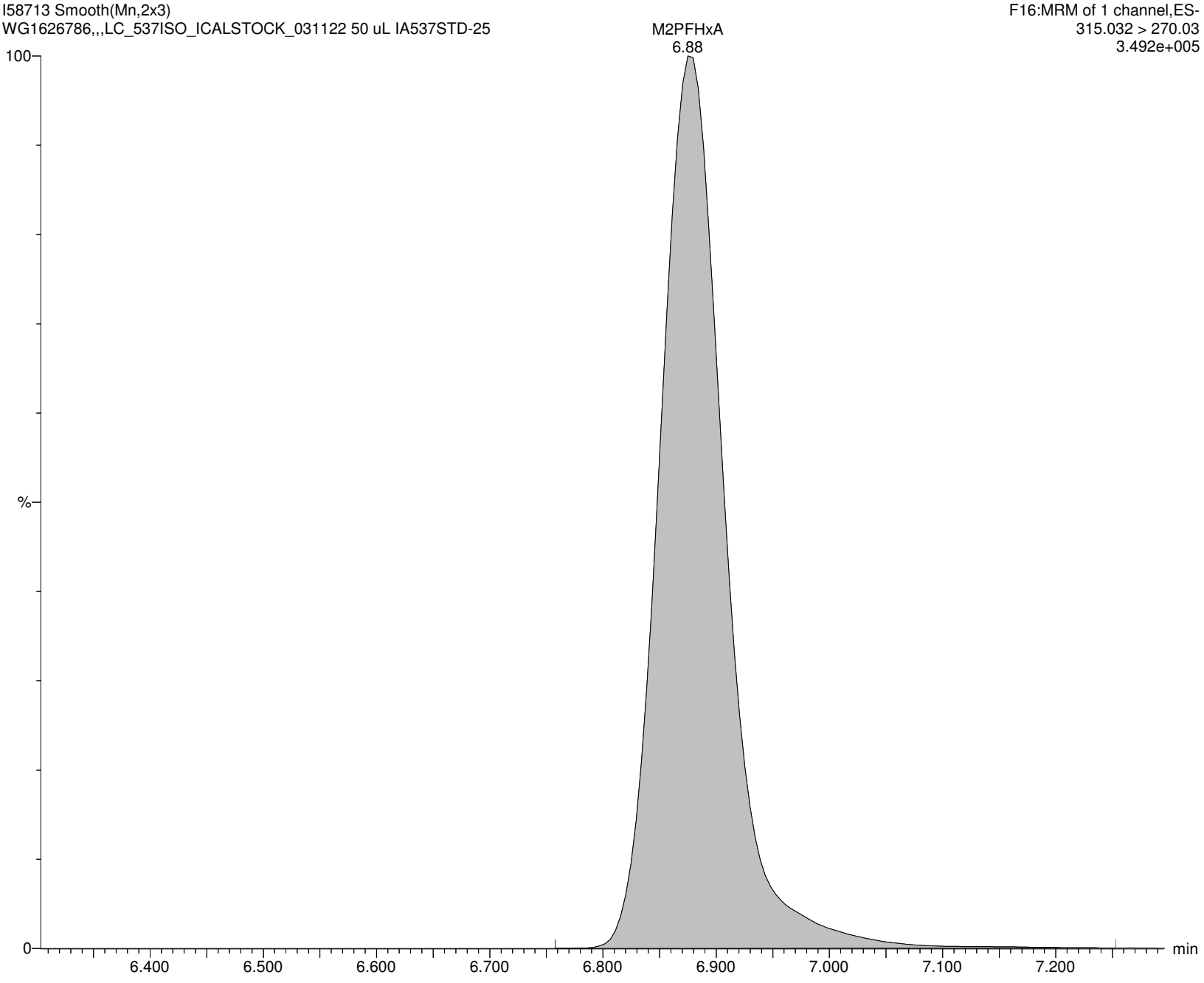


all concentration units in (ng/mL)

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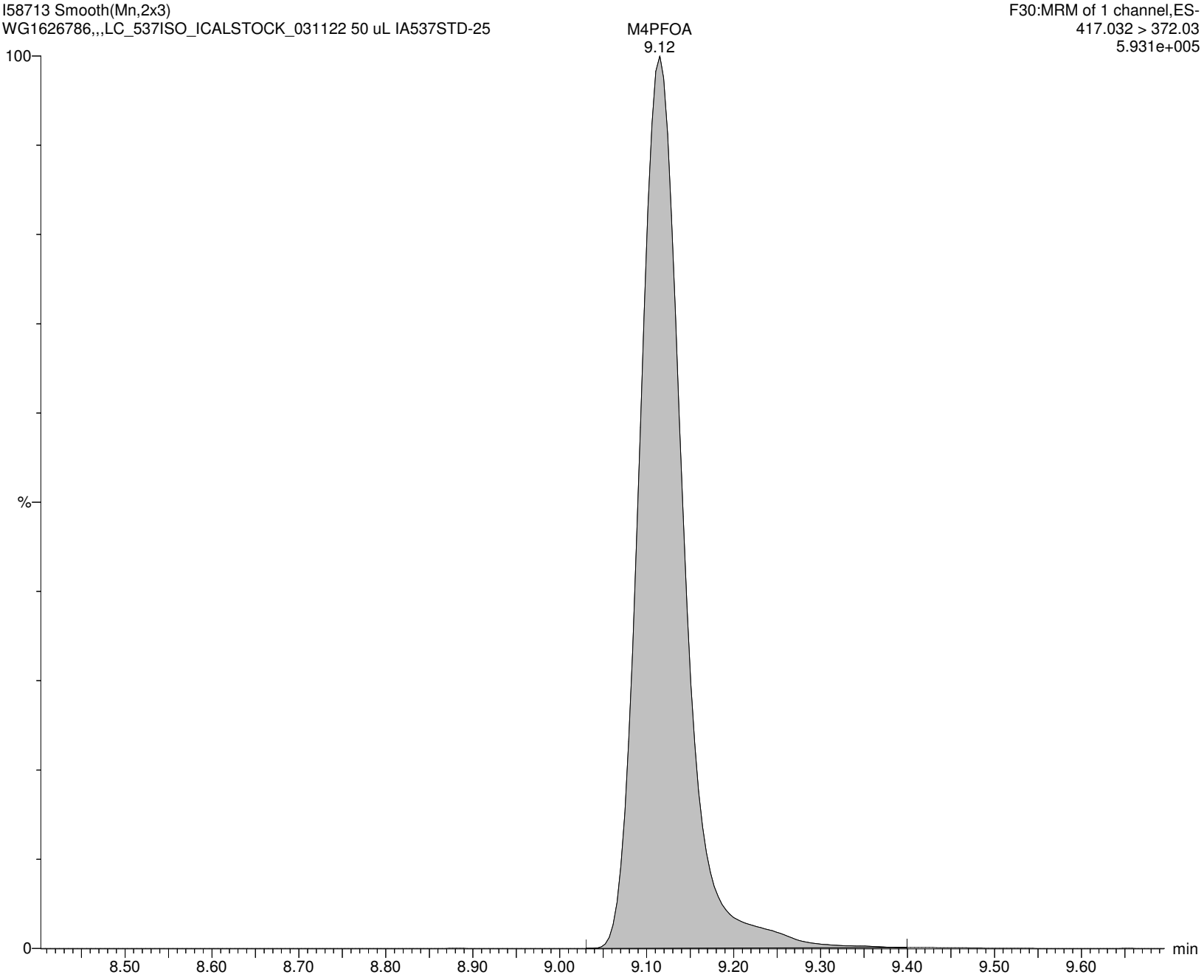


all concentration units in (ng/mL)

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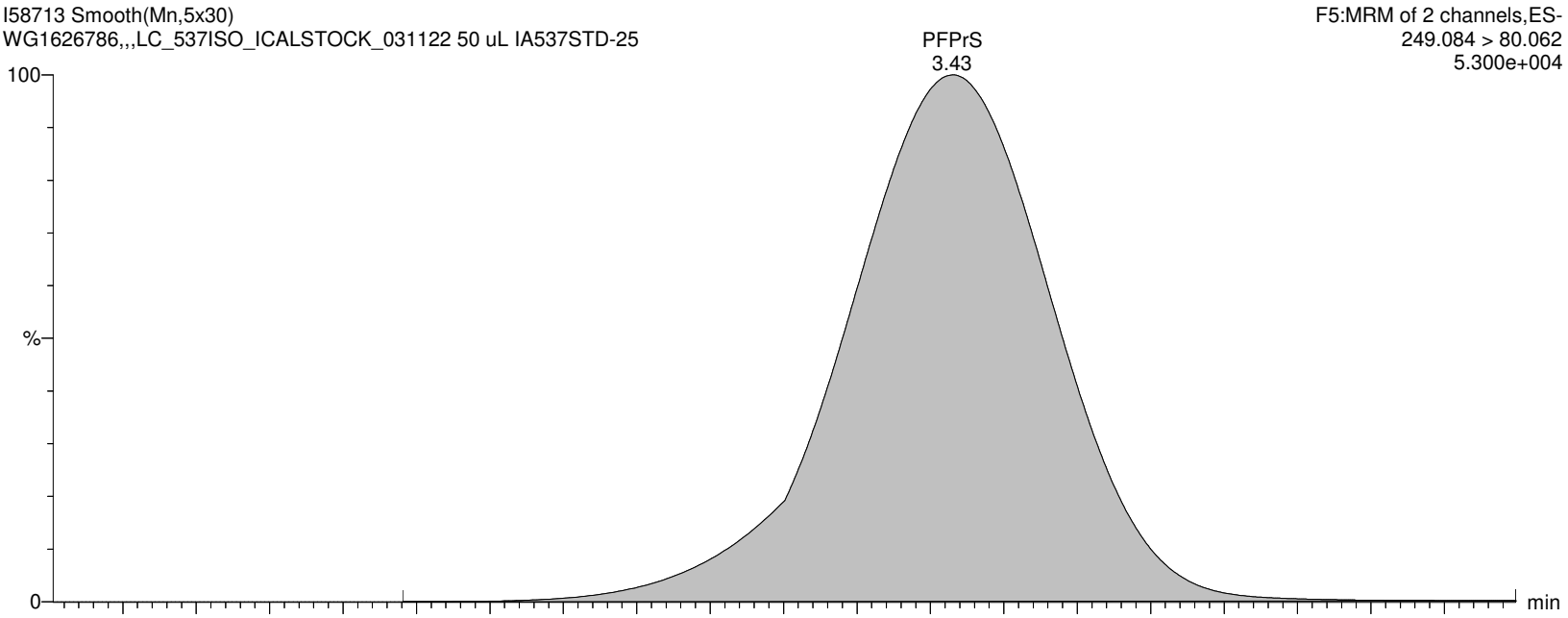


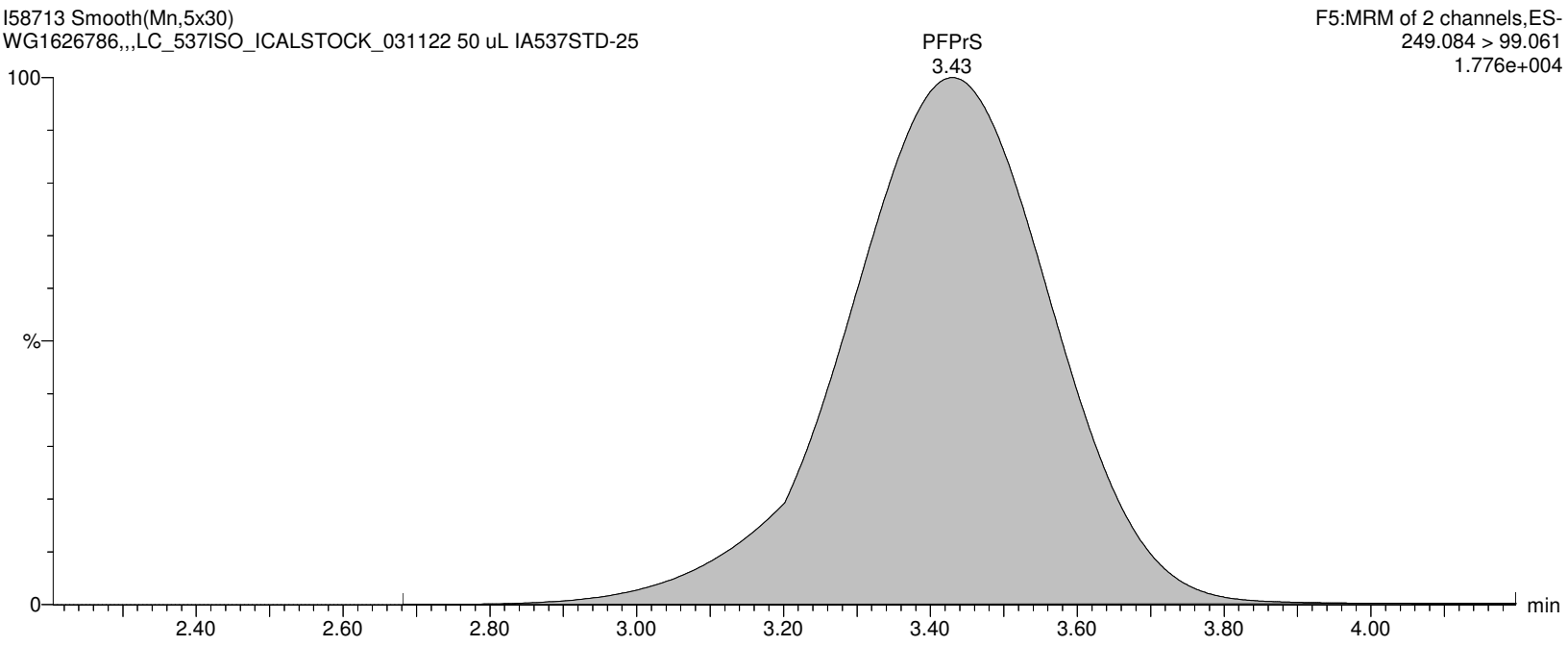
all concentration units in (ng/mL)

Alpha Analytical Inc.
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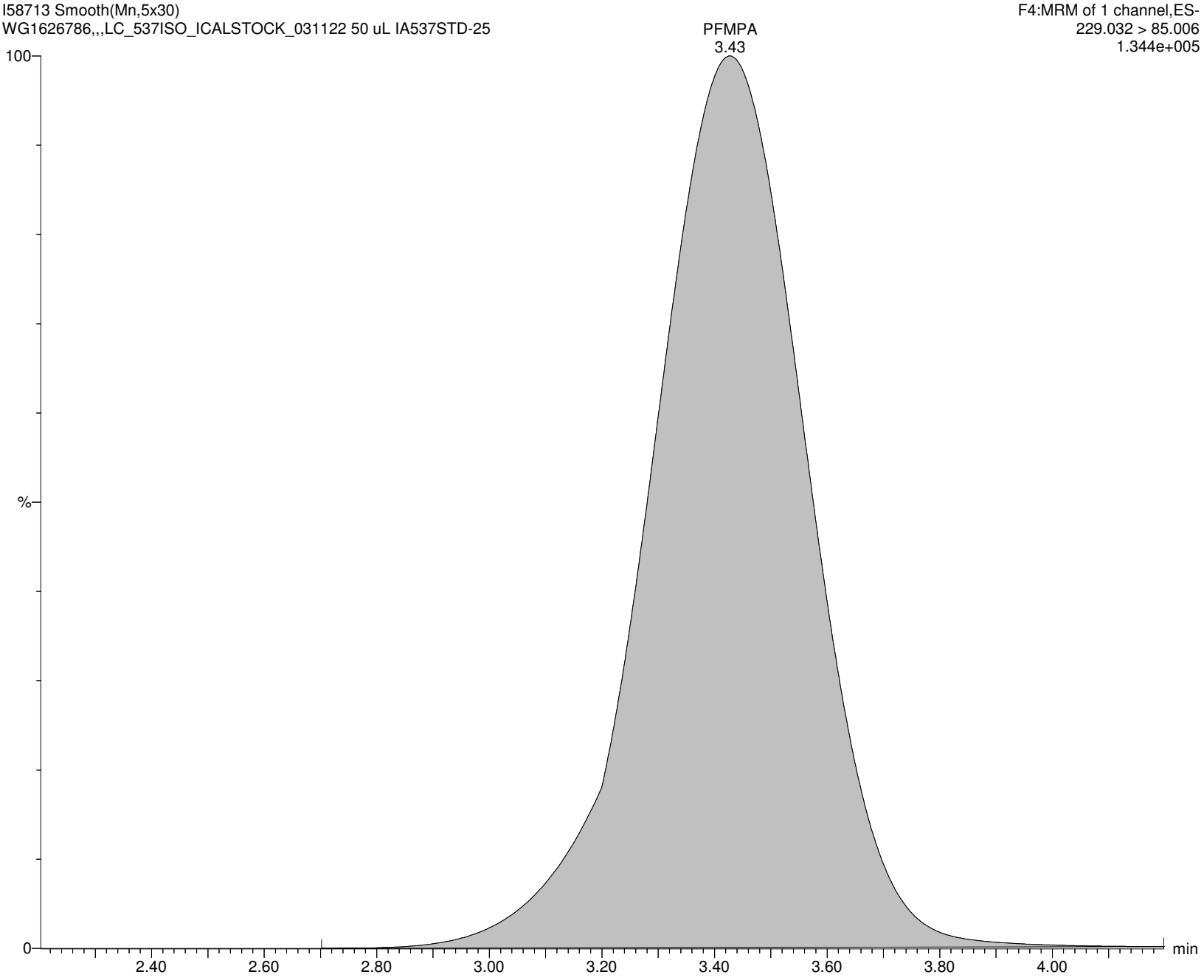


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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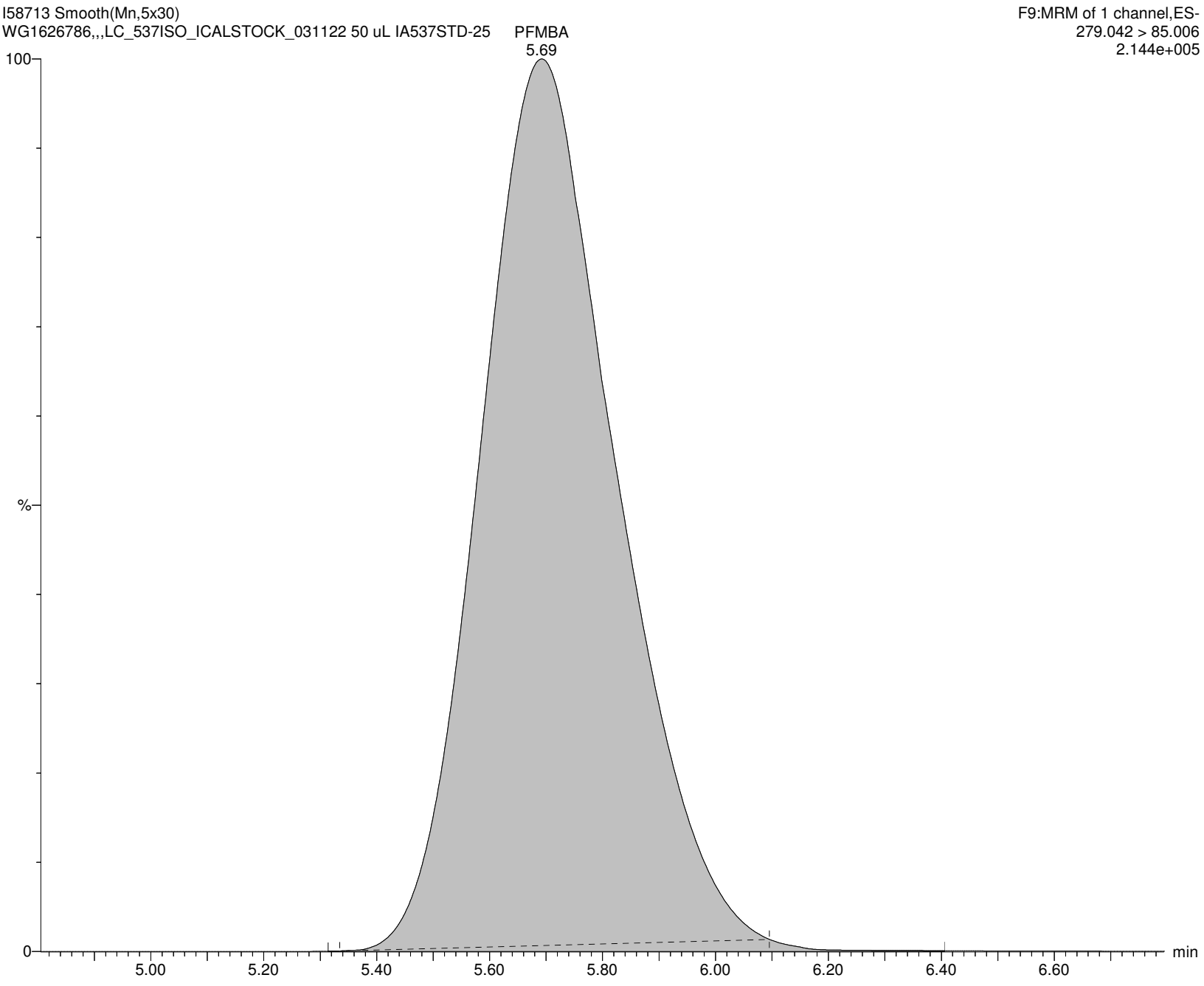


all concentration units in (ng/mL)

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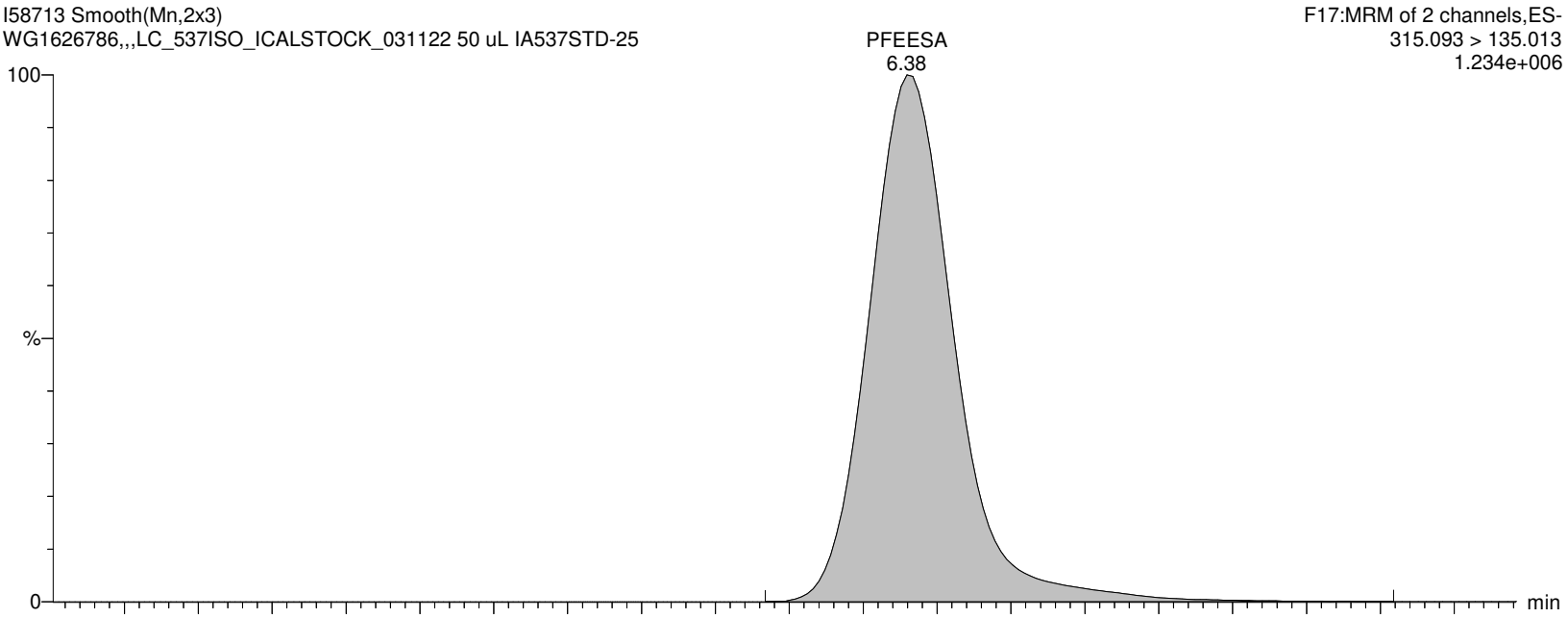


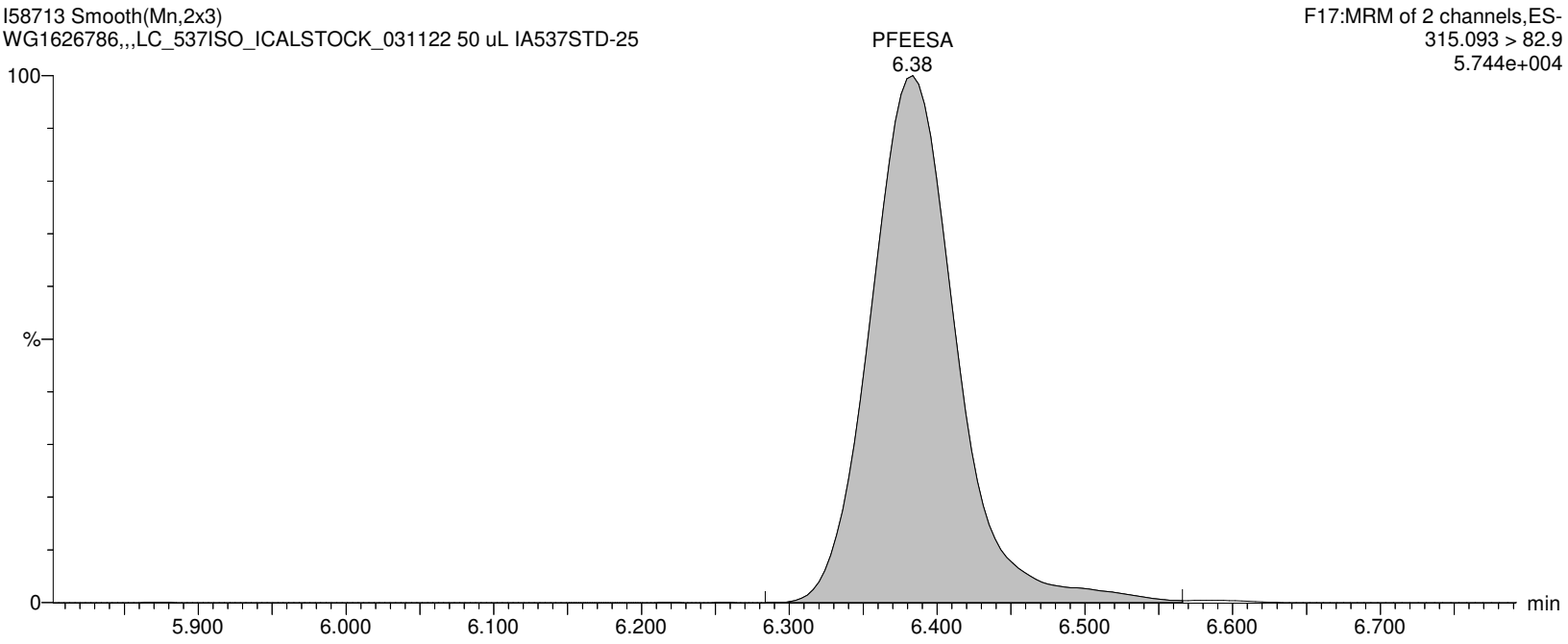
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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PFEESA



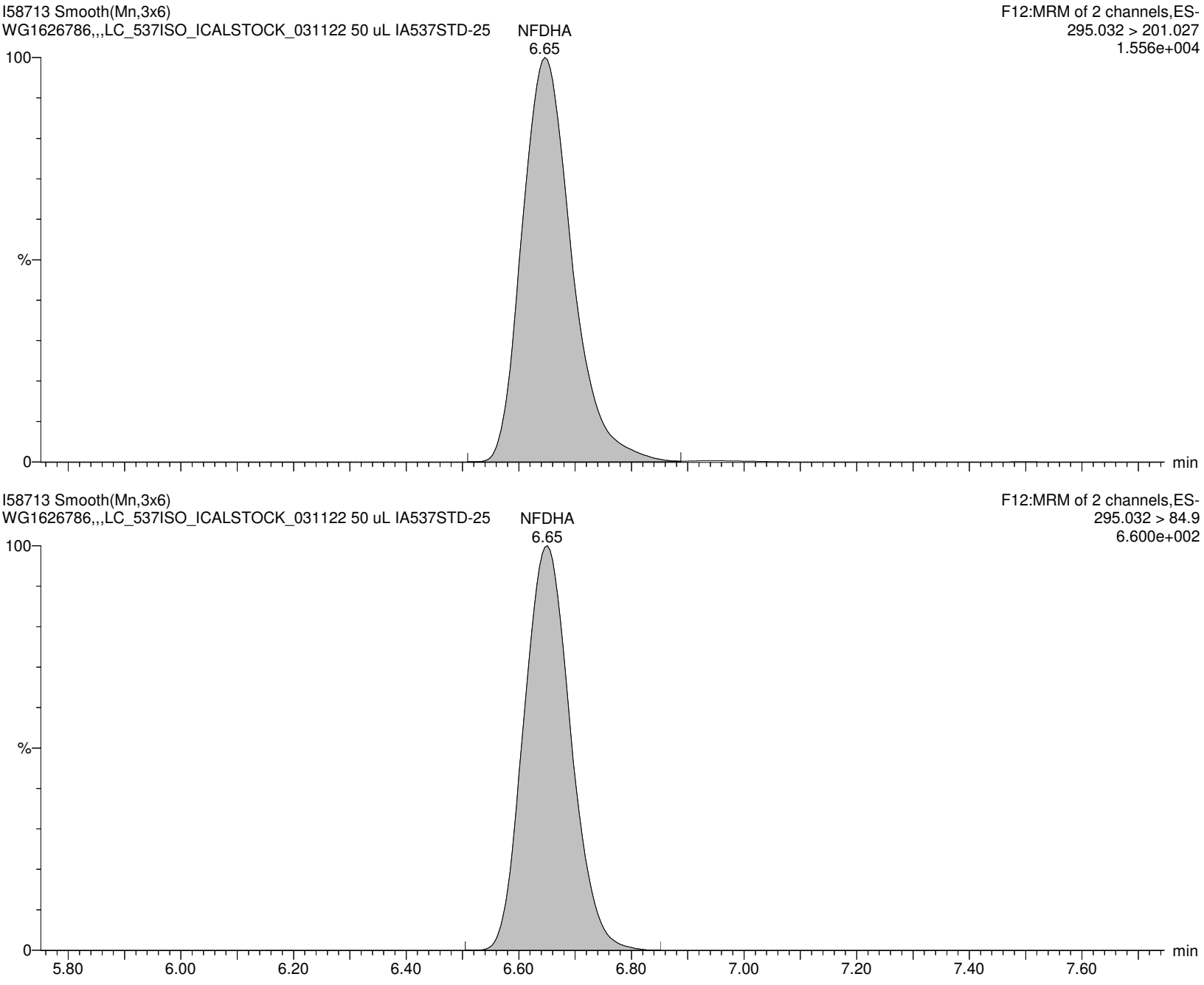


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA



all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:25 Eastern Daylight Time

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Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

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Time: 17:56:03
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	121962		50.846		na	101.7
2	M3PFBA	INT STD	2.11	216.009 > 171.999	25107		9.857		na	98.6
3	MPFBA	INT STD	2.11	217.001 > 171.999	27960		9.982		na	99.8
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	134002		50.921		na	101.8
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	34068		9.902		na	99.0
6	PFBS	375-73-5	5.63	299.092 > 80.062	30541		45.250	1.94	NO	102.0
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6100		9.074		na	97.4
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	13323		49.190	2.53	NO	105.0
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	3049		10.161		na	108.3
10	PFHxA	307-24-4	6.88	313.047 > 269.037	207590		51.049	17.64	NO	102.1
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	41824		9.843		na	98.4
12	PFPeS	2706-91-4	7.21	349.1 > 80.062	30316		46.696	2.30	NO	99.2
13	PFHpA	375-85-9	8.17	363.055 > 319.045	257961		50.818	6.37	NO	101.6
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	50467		9.925		na	99.2
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	5052	M5,M7	9.565	2.27	NO	101.2
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	22476		40.299	1.64	NO	99.4
17	PFHxS	355-46-4		399.107 > 80.062	27528		49.863		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	6012		9.537		na	100.6
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	341295		50.865	9.57	NO	101.7
21	PFOA	335-67-1		412.8430 > 368.9430	341295		50.865		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	68166		9.937		na	99.4
23	M2PFOA	INT STD	9.12	414.828 > 369.935	63419		9.725		na	97.2
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	12091		47.258	3.34	NO	99.4
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	2924		10.841		na	114.0
26	PFHpS	375-92-8	9.22	449.115 > 80.062	19857		46.894	1.22	NO	98.4
27	PFNA	375-95-1	9.88	462.8510 > 418.951	275963		51.958	3.85	NO	103.9
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	62365		9.735		na	97.3
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	9914	M5,M7	10.056	3.92	NO	95.3
30	L-PFOS	1763-23-1	9.94	498.9030 > 79.9520	27805		38.202	1.73	NO	96.8
31	PFOS	1763-23-1		498.9030 > 79.9520	37720		48.258		na	
32	M4PFOS	INT STD	9.94	502.8730 > 79.952	6411		9.828		na	98.3
33	M8PFOS	INT STD	9.94	506.5852> 79.9565	8137		9.867		na	102.9
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	287894		52.146	6.65	NO	104.3
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	49896		9.295		na	93.0
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	59164		9.940		na	99.4
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	15124		51.119	3.70	NO	106.5
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1785		9.931		na	103.4
39	PFNS	68259-12-1	10.55	549.131 > 80.062	18022		47.002	1.49	NO	97.7

all concentration units in (ng/mL)

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2541		10.314		na	103.1
41	br-NMeFOSAA		10.74	570.202 > 419.061	1368	M5,M7	11.739	0.82	NO	97.8
42	L-NMeFOSAA		10.90	570.202 > 419.061	11766		37.616	1.95	NO	99.0
43	NMeFOSAA	2355-31-9		570.202 > 419.061	13135		49.354		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	267741		50.664	11.58	NO	101.3
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	34906		9.859		na	98.6
46	PFDS	335-77-3	11.08	599.139 > 80.062	18859		48.850	1.69	NO	101.2
47	FOSA	754-91-6	10.93	498.146 > 78.07	60680		51.565	85.15	NO	103.1
48	M8FOSA	INT STD	10.93	506.077 > 78.07	16993		10.217		na	102.2
49	br-NEtFOSAA		11.04	584.229 > 419.061	861	M5,M7	11.166	0.55	NO	99.3
50	L-NEtFOSAA		11.19	584.229 > 419.061	8454		37.716	1.08	NO	97.3
51	NEtFOSAA	2991-50-6		584.229 > 419.061	9316		48.882		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2235		10.873		na	108.7
53	PFDoA	307-55-1	11.54	613.094 > 569.084	133532		51.626	24.37	NO	103.3
54	MPFDOA	INT STD	11.54	615.079 > 570.077	23135		10.284		na	102.8
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	98539		47.937	9.63	NO	95.9
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	176621		54.480	9.89	NO	109.0
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	48591		10.228		na	102.3
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	5175		187.427		na	93.7
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	12876		446.046	2.58	NO	89.2
60	ADONA	958445-44-8	8.35	377.06 > 251.028	190403		47.698	27.79	NO	100.9
61	PFHxDA		12.75	813.122 > 768.8565	49971		53.002	19.20	NO	106.0
62	PFODA		12.97	913.411 > 868.7332	9353		50.097	15.64	NO	100.2
63	M2PFHxDA		12.75	815.102 > 770.108	8418		10.435		na	104.3
64	PFDoS		11.95	699.154 > 80.062	12582		54.148	2.19	NO	108.3
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1383	M4	17.898		na	91.3
66	10:2FTS		11.55	627.192 > 607.186	5044		54.182	1.76	NO	112.2
67	9CL-PF3ONS		10.29	530.862 > 350.843	157813		43.387	2.67	NO	93.0
68	11CL-PFOUdS		11.34	630.862 > 450.854	130919		44.900	3.36	NO	95.2
69	NMeFOSA		11.55	512.163 > 169.022	55949		248.652	1.97	NO	99.5
70	d3-NMeFOSA		11.54	515.183 > 169.022	26328		102.934		na	102.9
71	NEtFOSA		11.84	526.192 > 169.022	69303		242.344	4.46	NO	96.9
72	d5-NEtFOSA		11.84	531.222 > 169.022	33287		108.533		na	108.5
73	NMeFOSE		11.55	615.8 > 59.045	109701		124.818		na	99.9
74	d7-NMeFOSE		11.53	622.84 > 59.045	31766		104.338		na	104.3
75	NEtFOSE		11.83	629.862 > 59.045	130434		124.102		na	99.3
76	d9-NEtFOSE		11.81	638.734 > 59.045	39929		106.364		na	106.4
77	M3PFPeA		4.97	266.017 > 222.007	20391		9.817		na	98.2
78	M2PFHxA		6.88	315.032 > 270.03	22388		9.730		na	97.3
79	M4PFOA		9.12	417.032 > 372.03	34050		9.916		na	99.2
80	PFPrS	423-41-6	3.44	249.084 > 80.062	34919		46.644	2.98	NO	101.4
81	PFMPA		3.43	229.032 > 85.006	85486		52.491		na	105.0
82	PFMBA		5.70	279.042 > 85.006	121094	M4	52.537		na	105.1

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	166176		43.669	20.83	NO	98.1
84	NFDHA		6.66	295.032 > 201.027	3790		58.793	28.63	NO	117.6

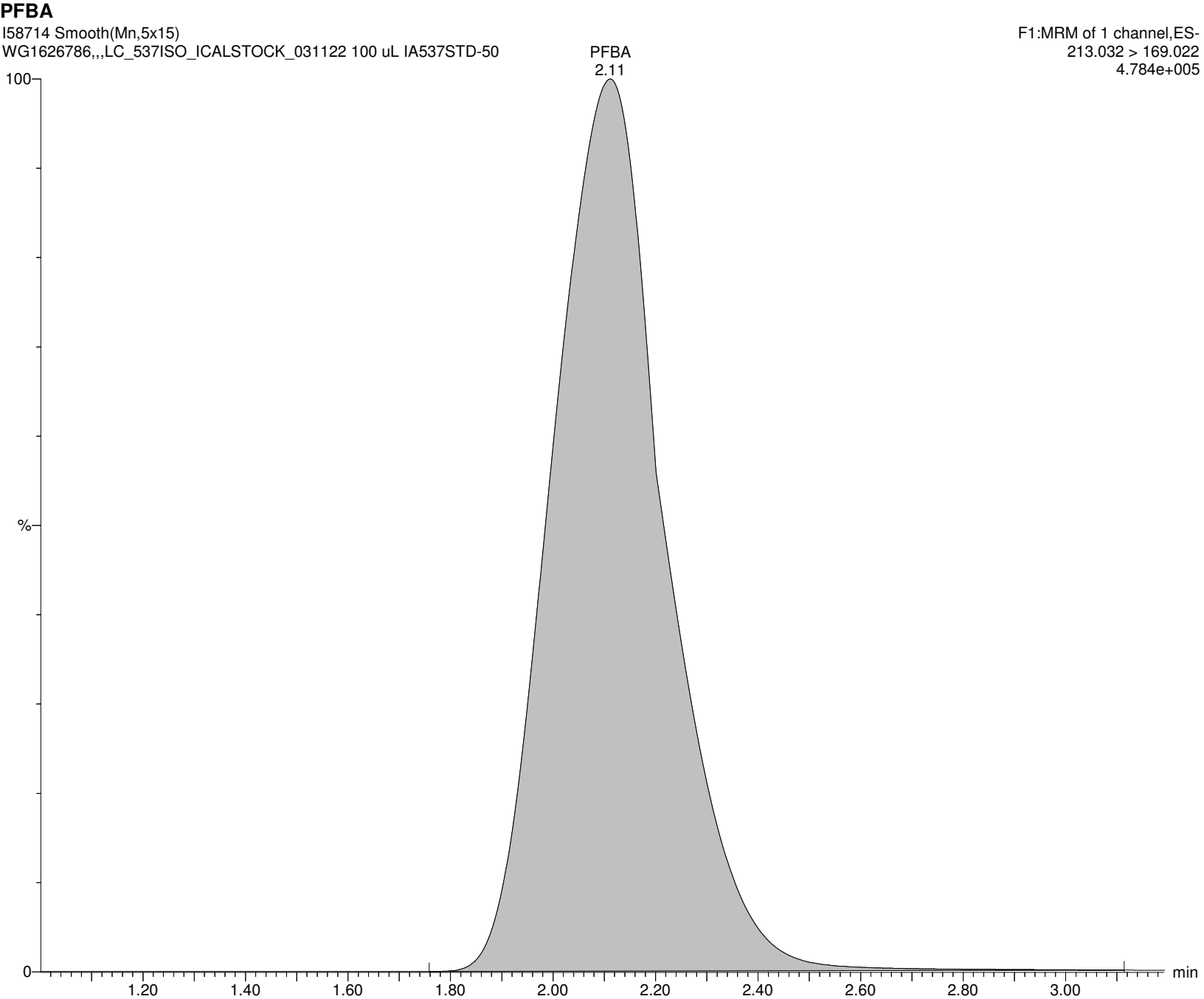
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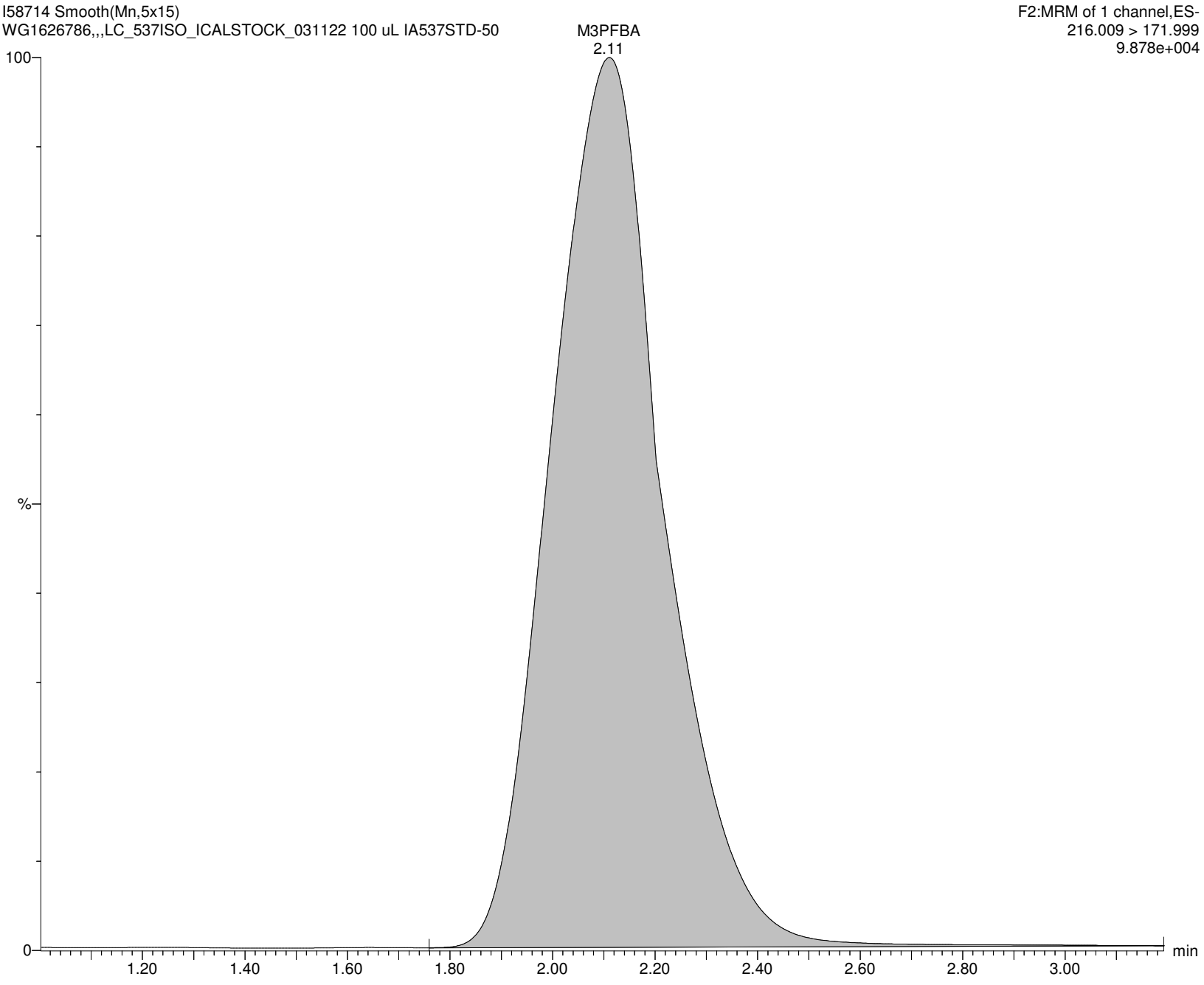


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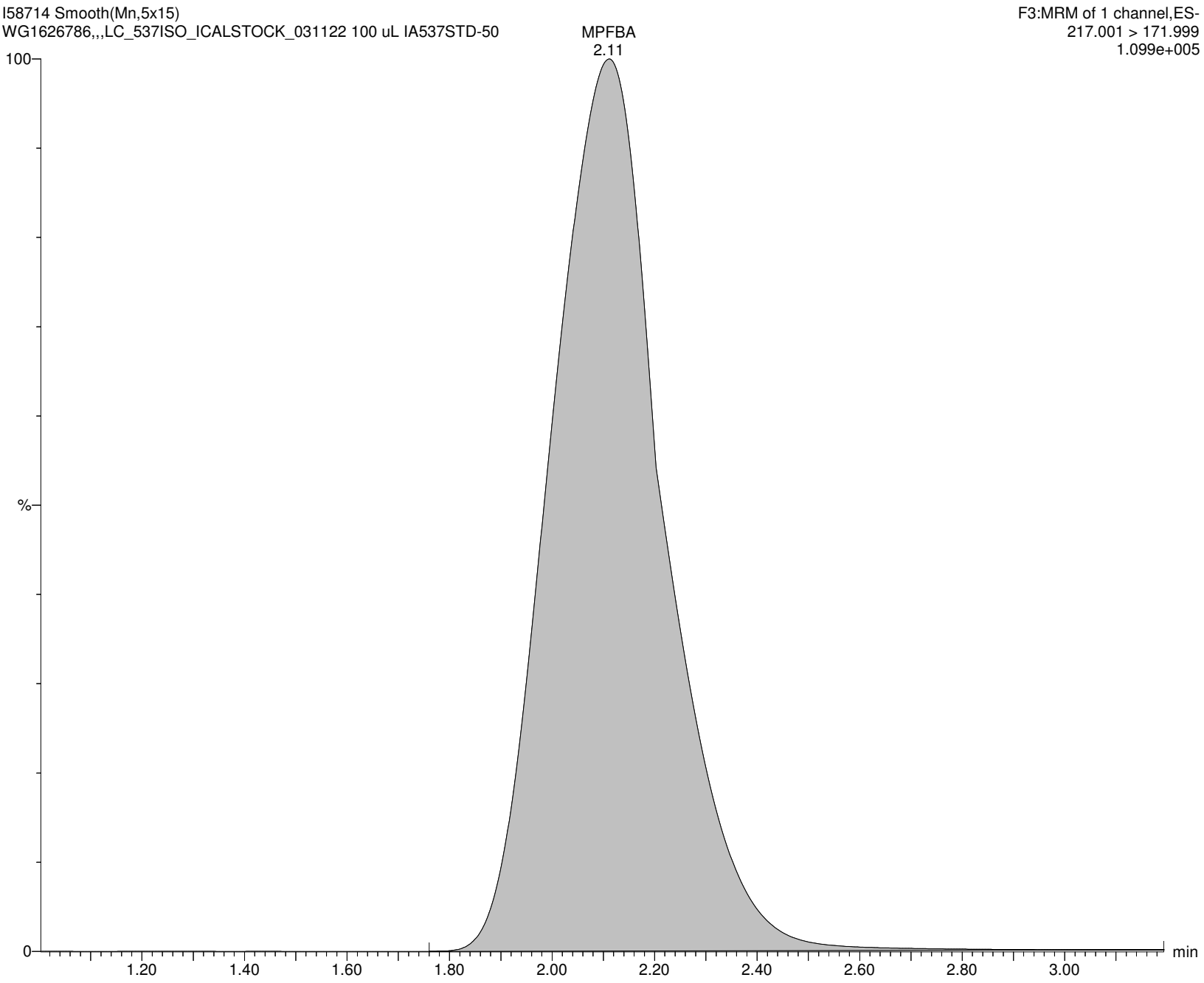


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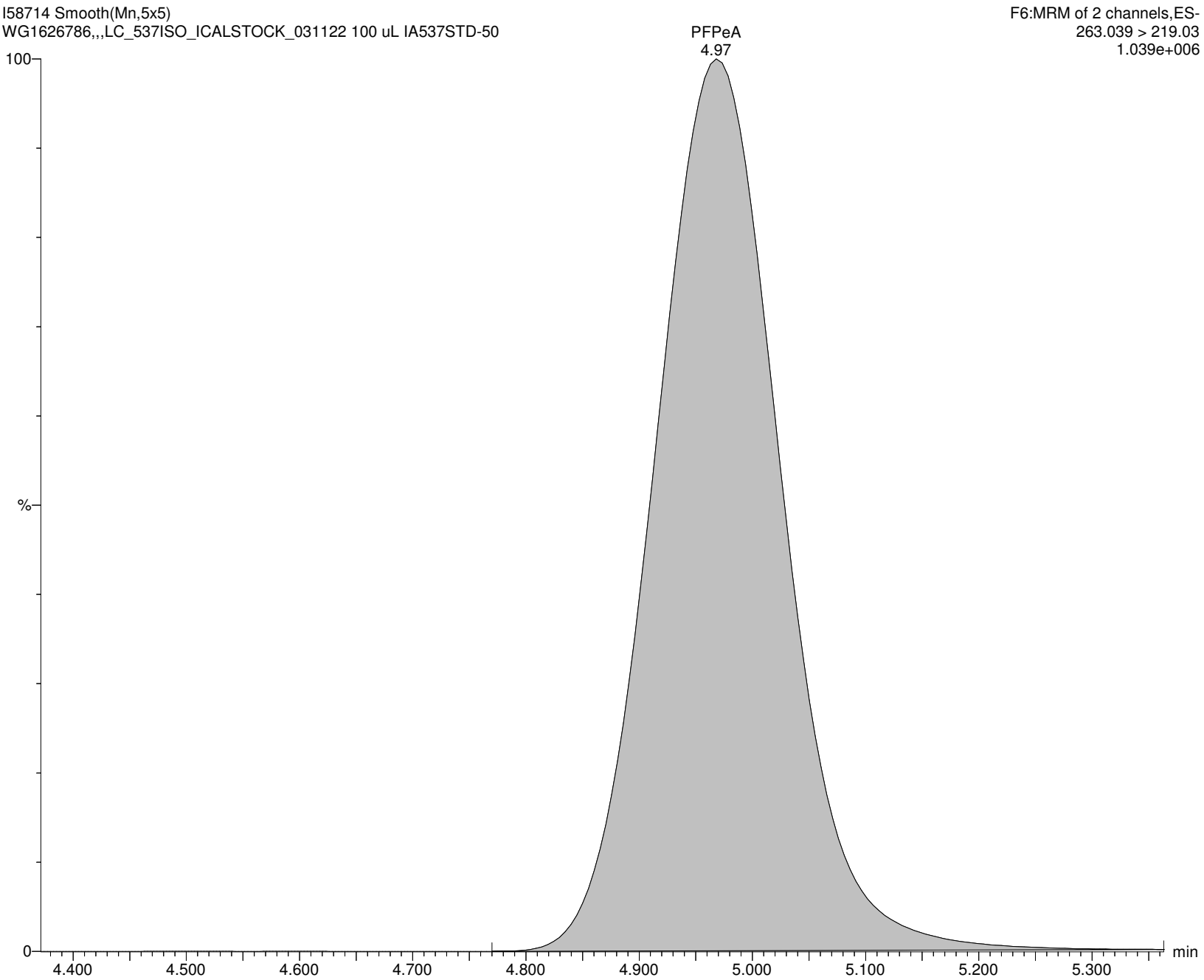


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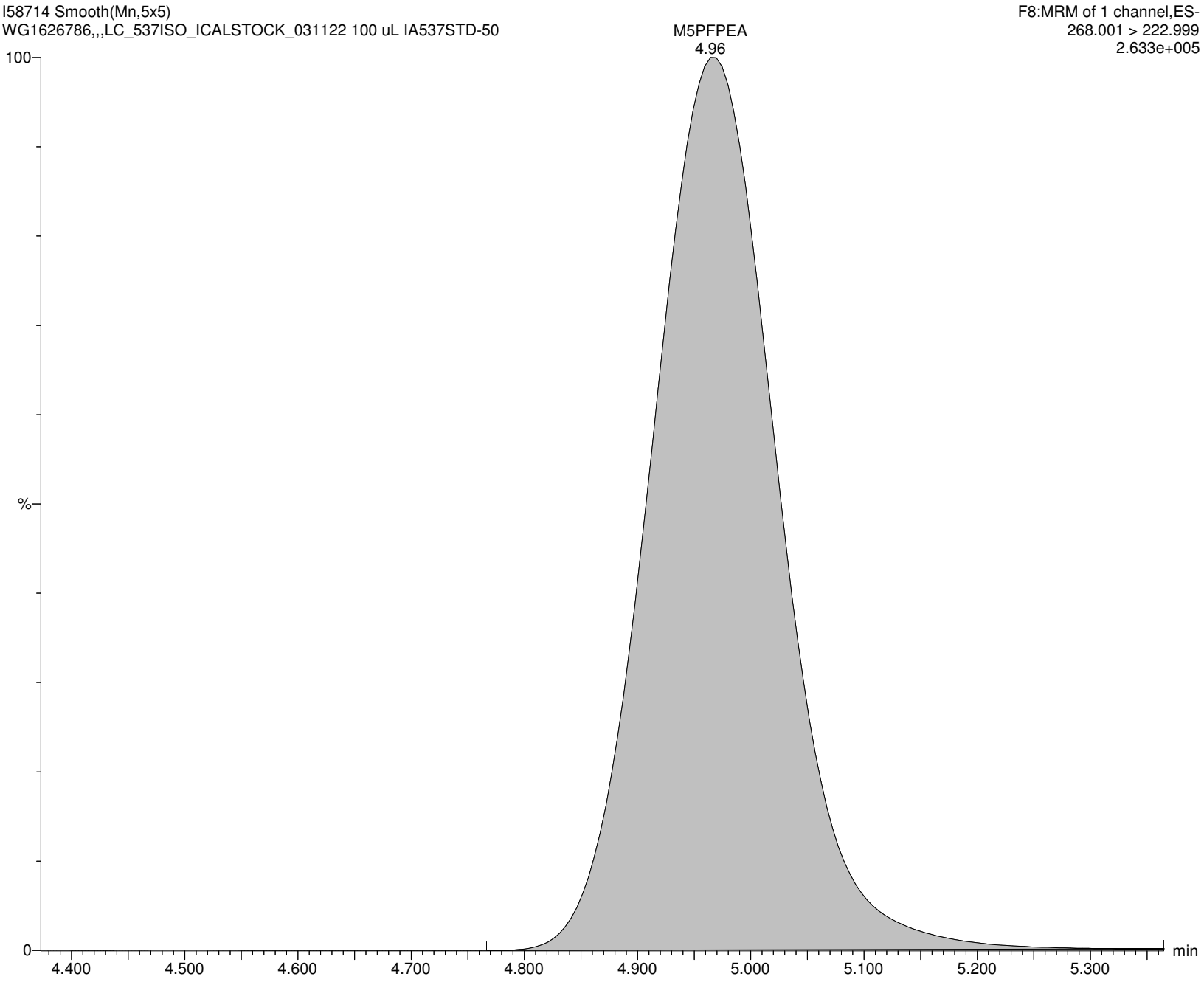


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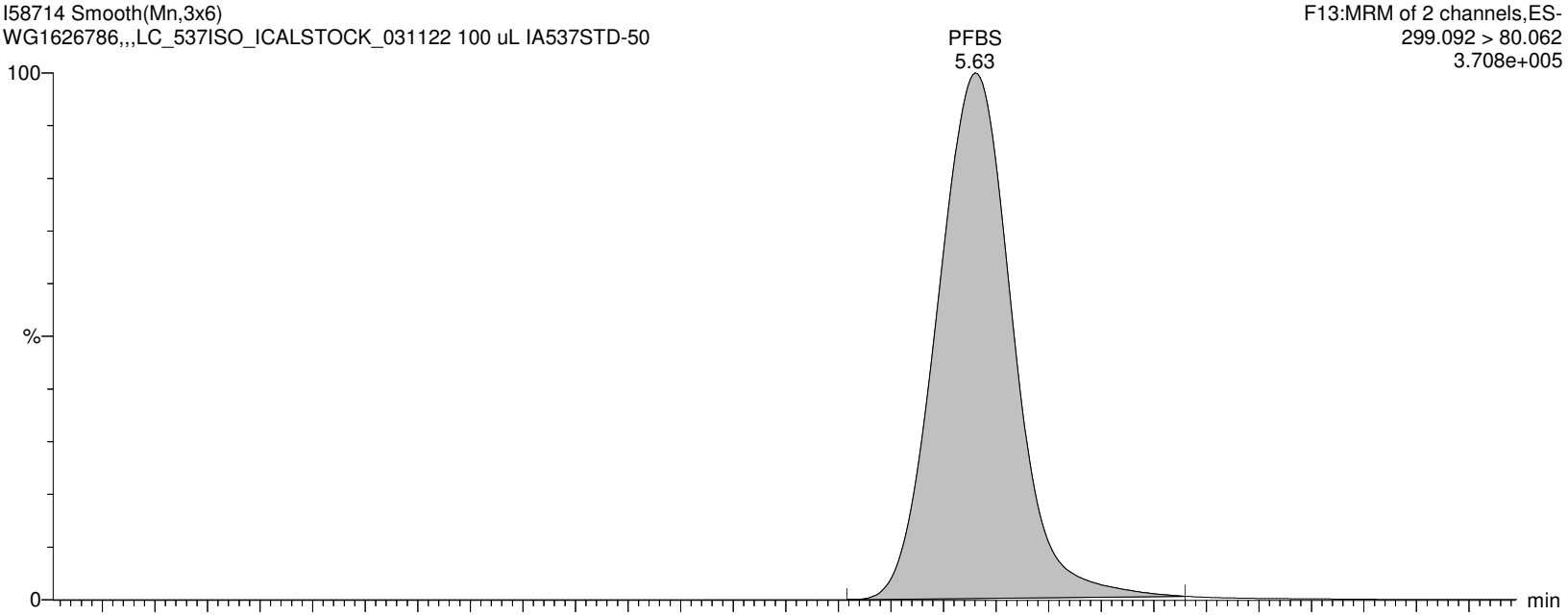


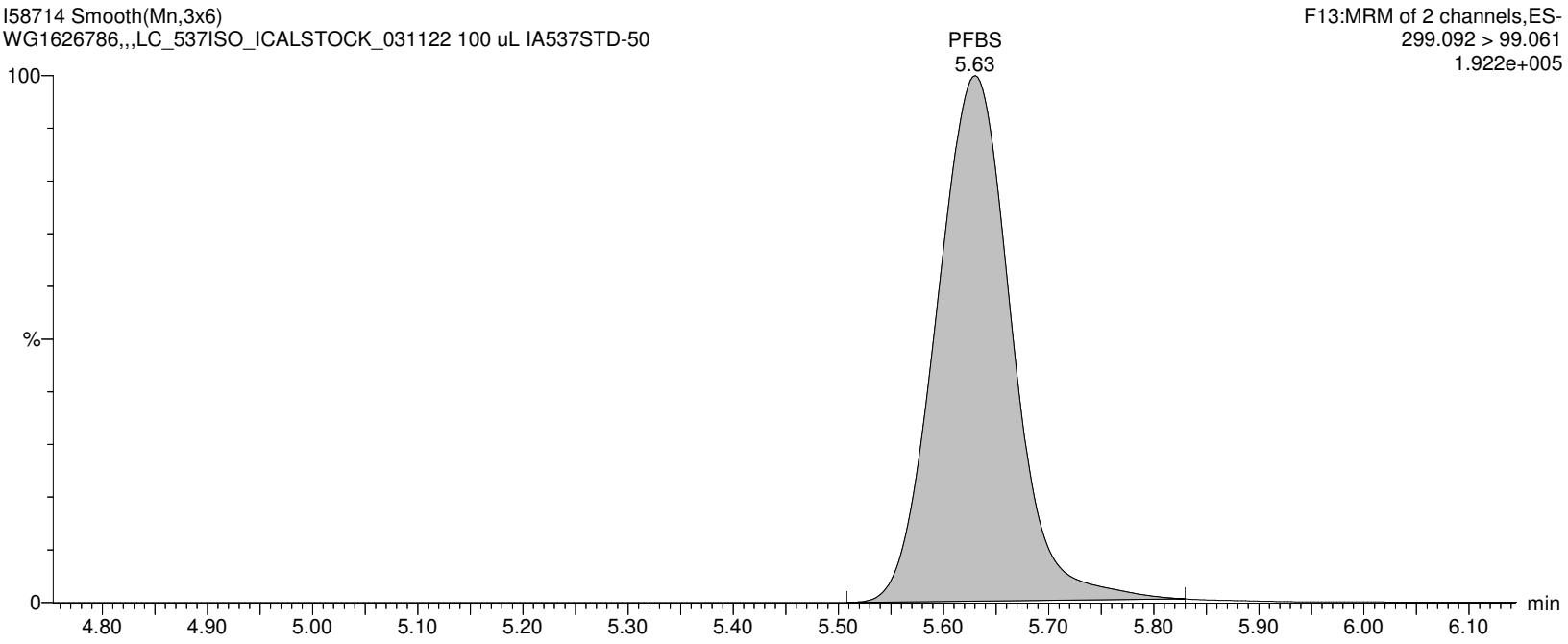
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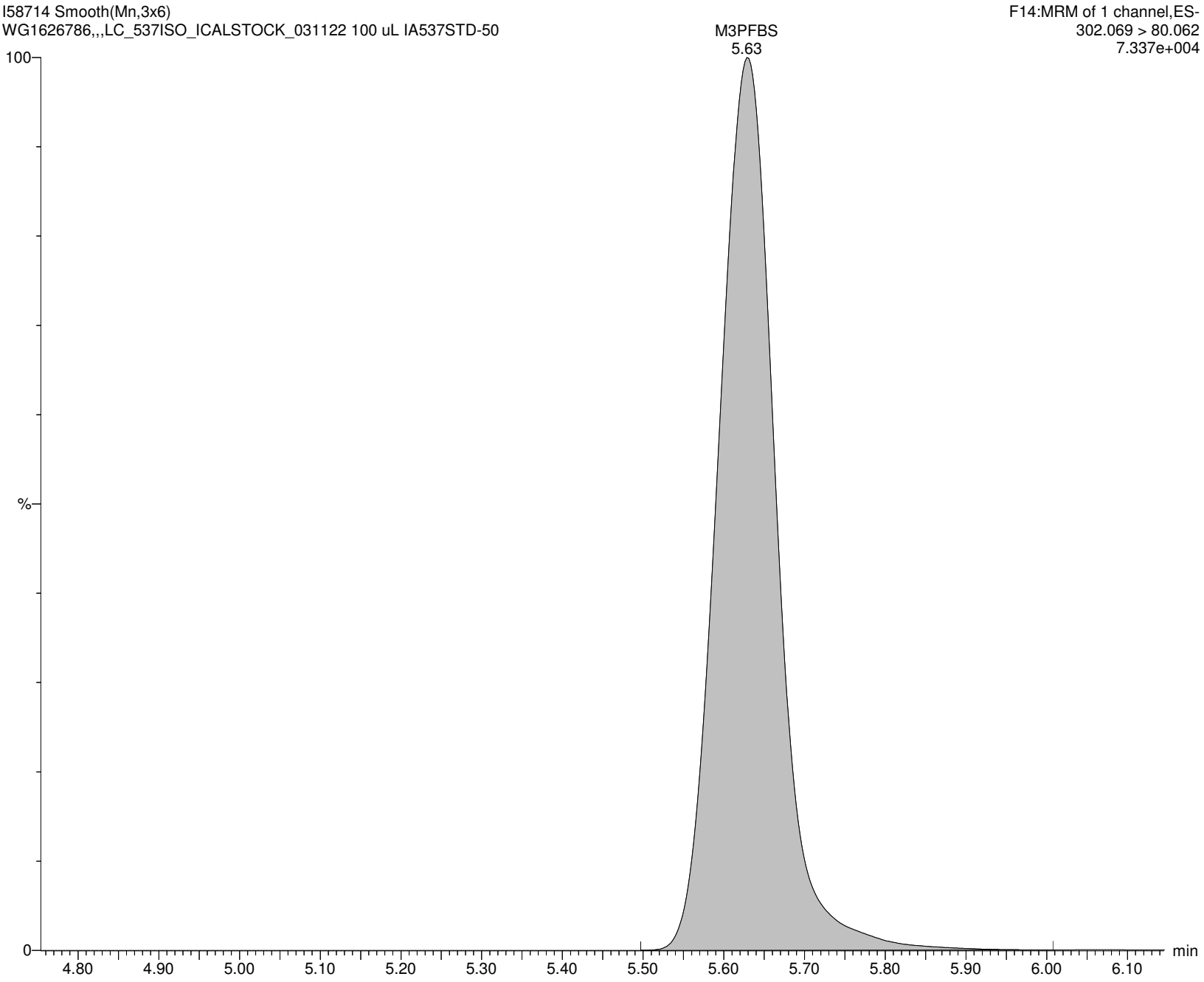


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M3PFBS

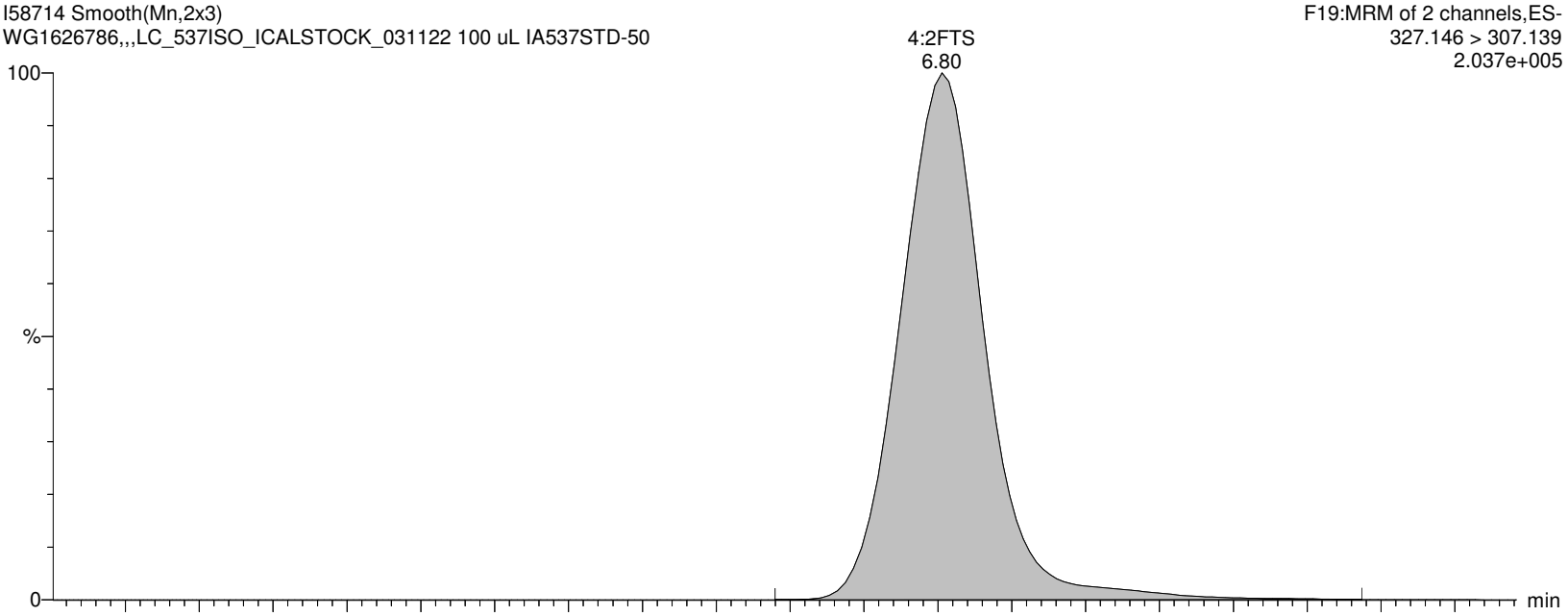


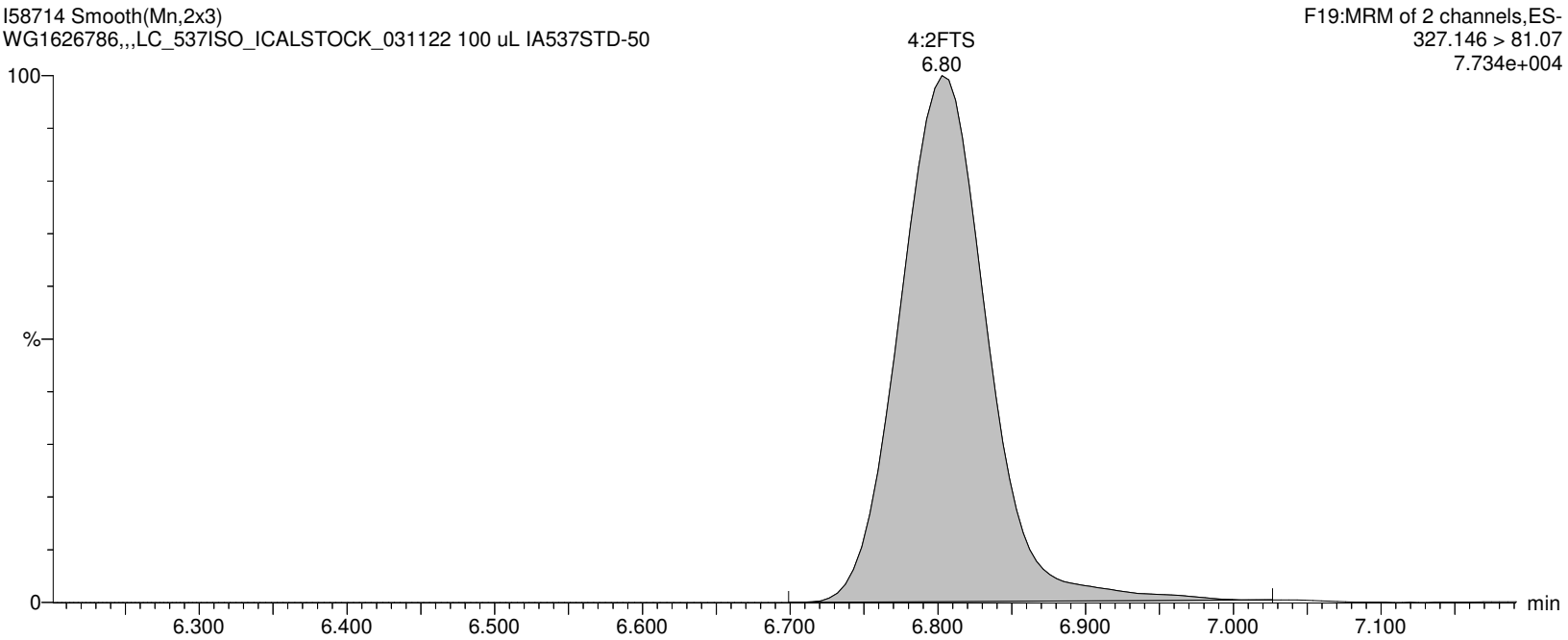
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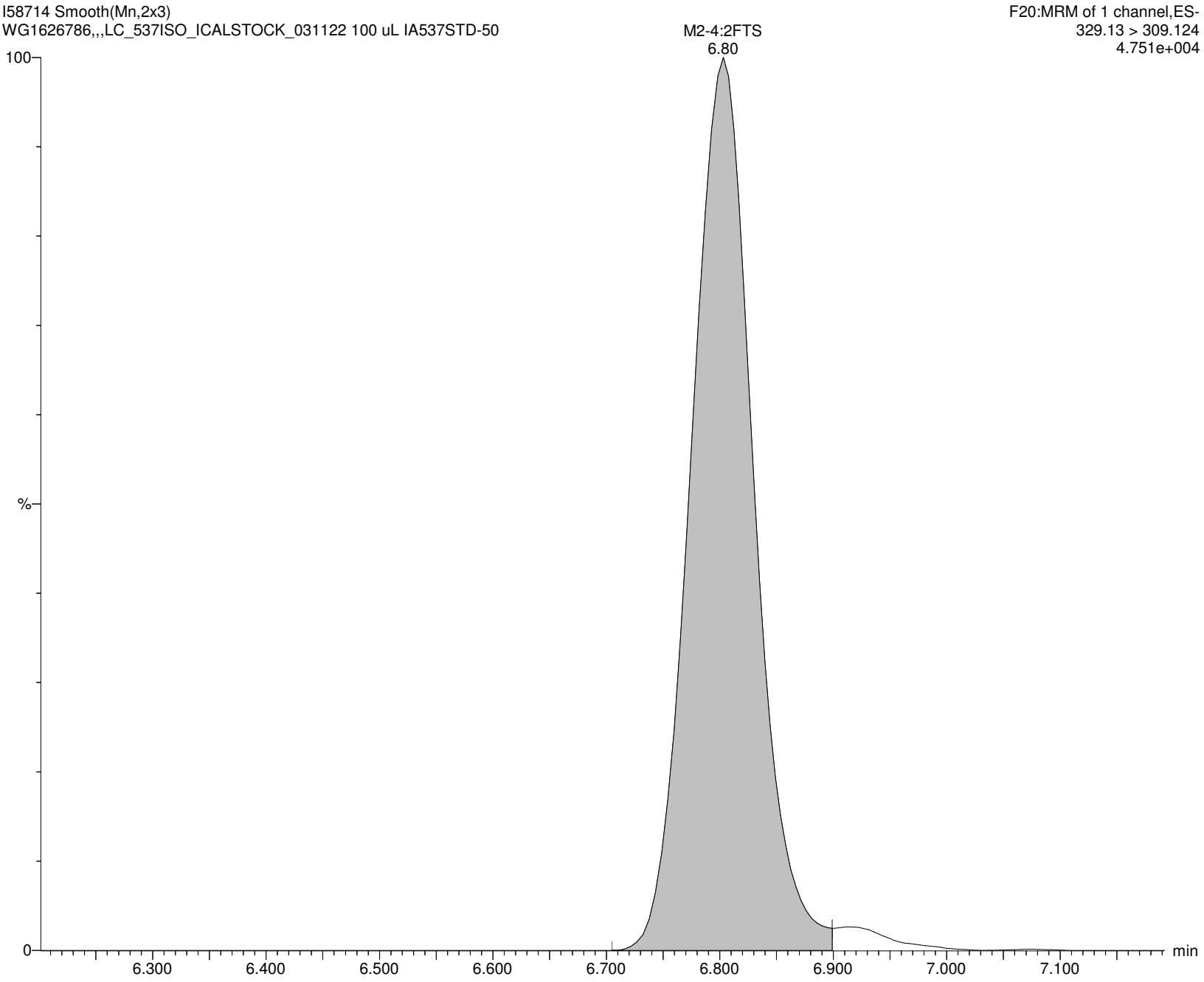


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M2-4:2FTS

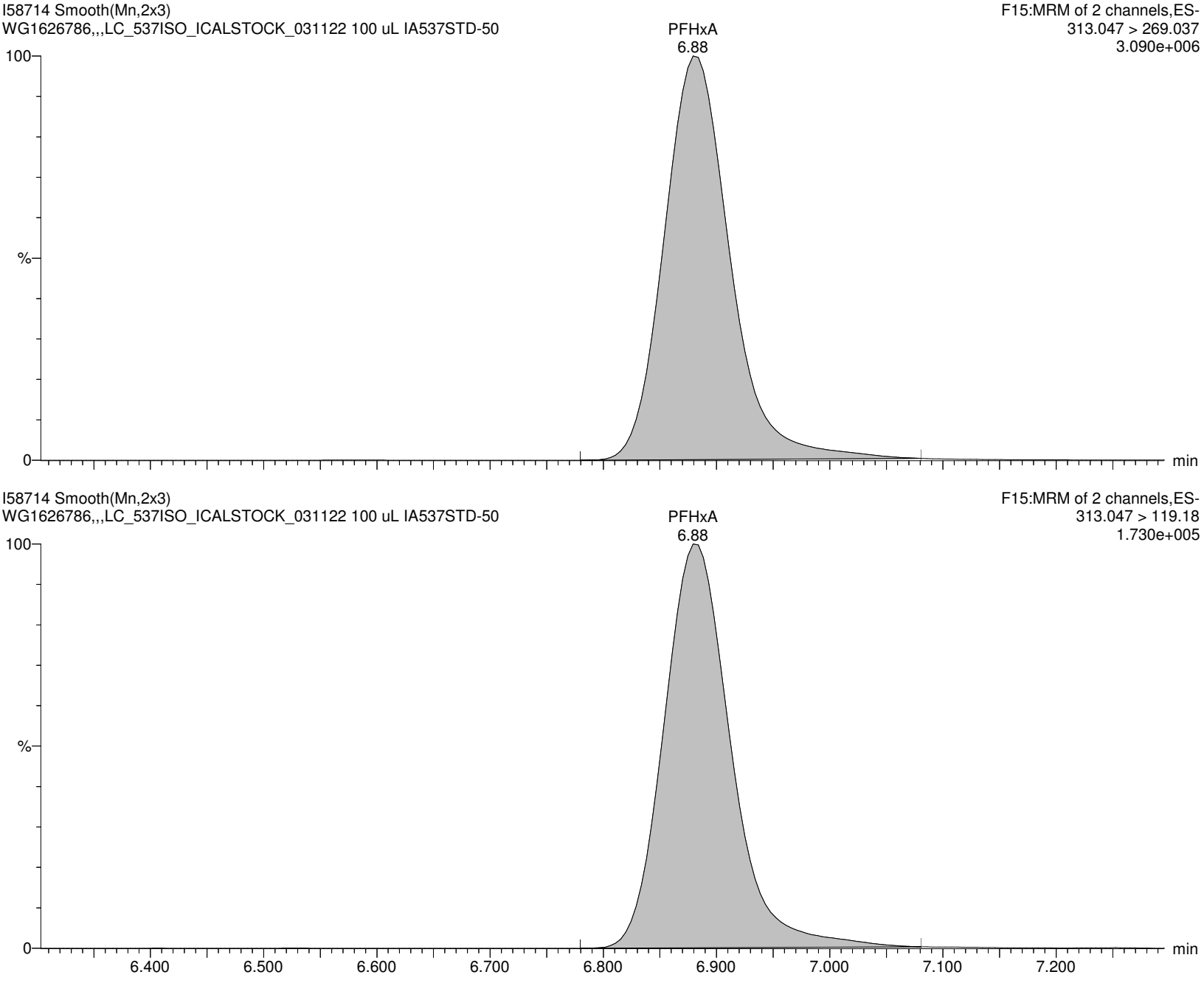


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:25 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:56:03
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User: LCMS02:MP
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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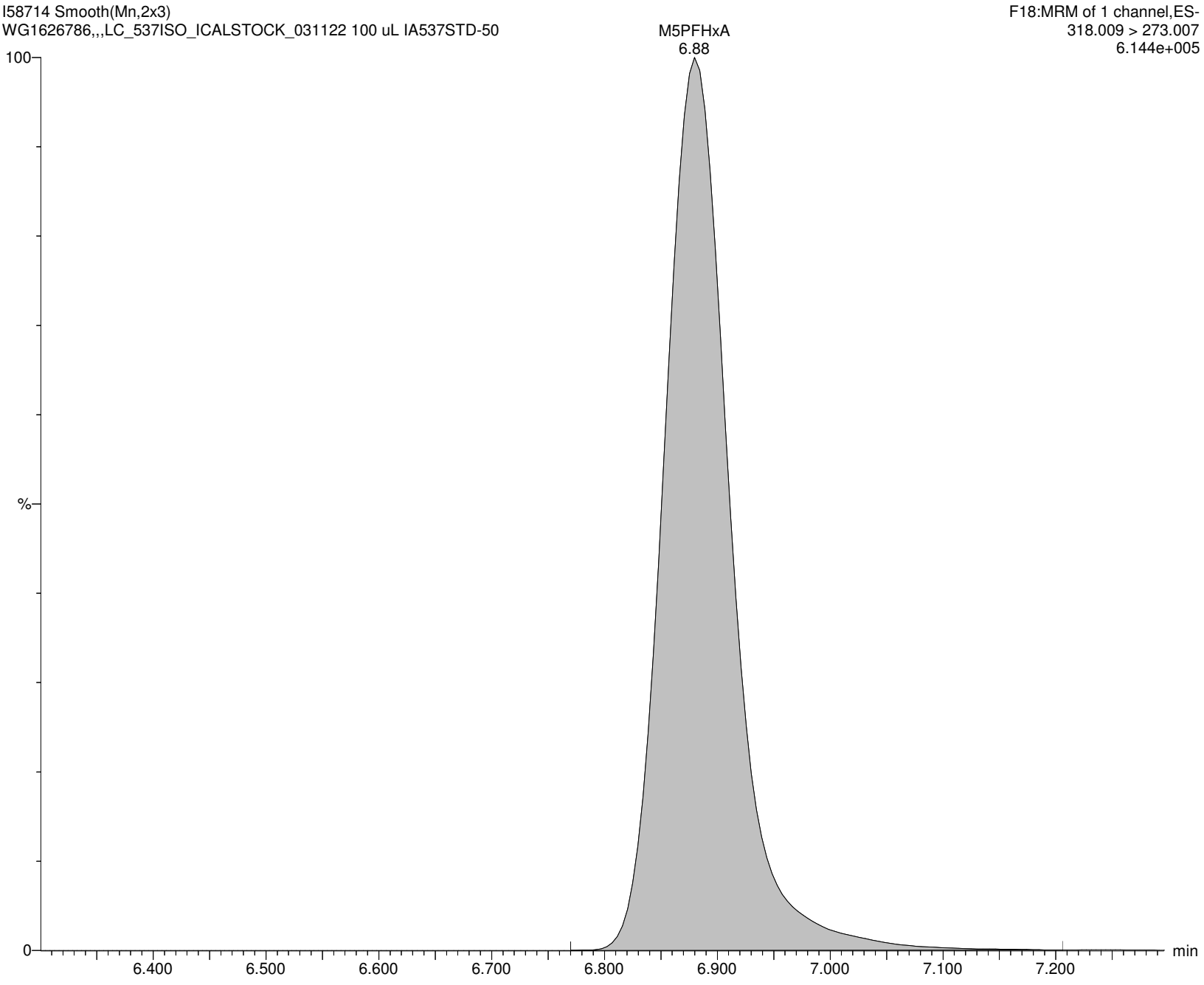


all concentration units in (ng/mL)

Alpha Analytical Inc.
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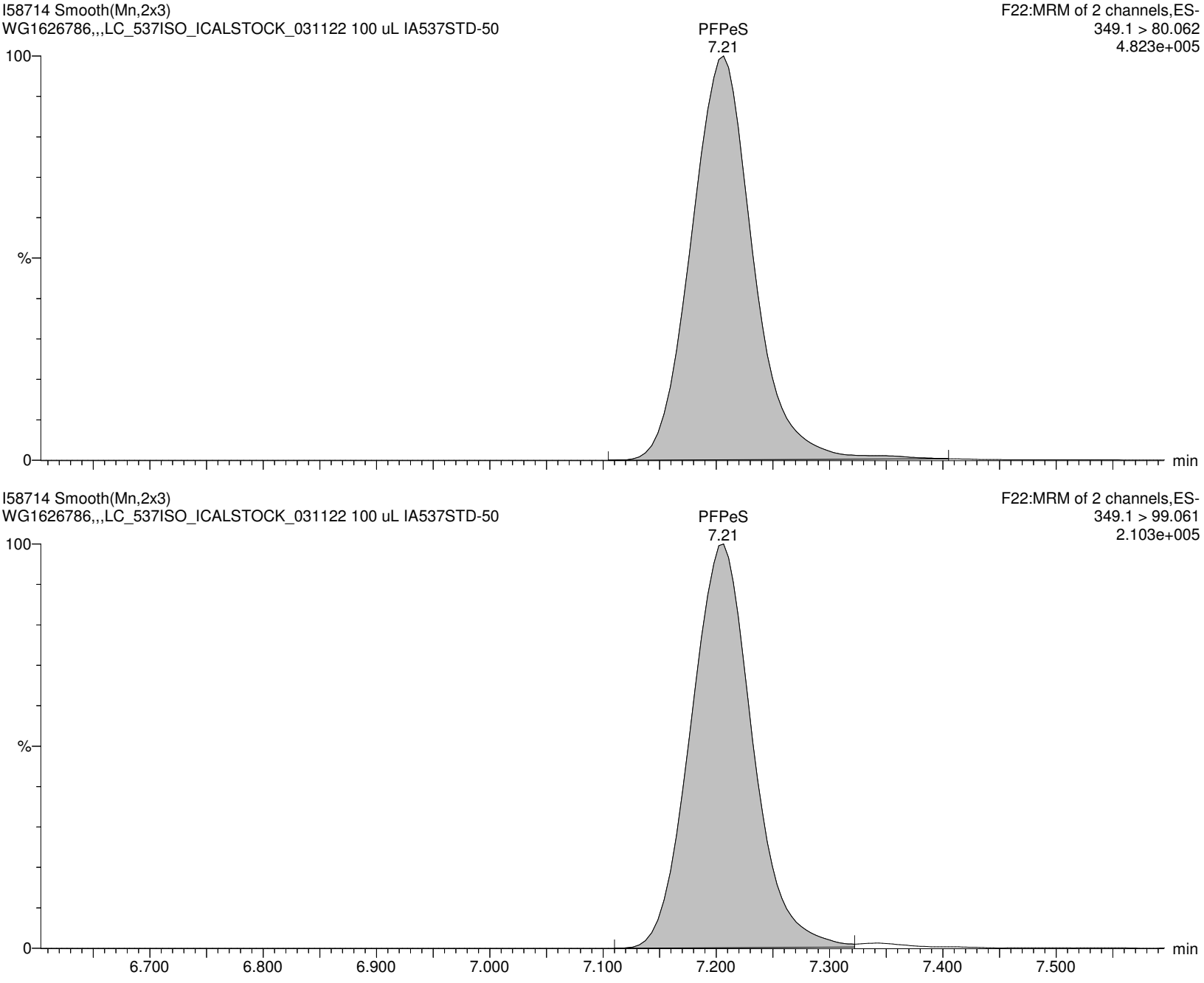


all concentration units in (ng/mL)

Alpha Analytical Inc.
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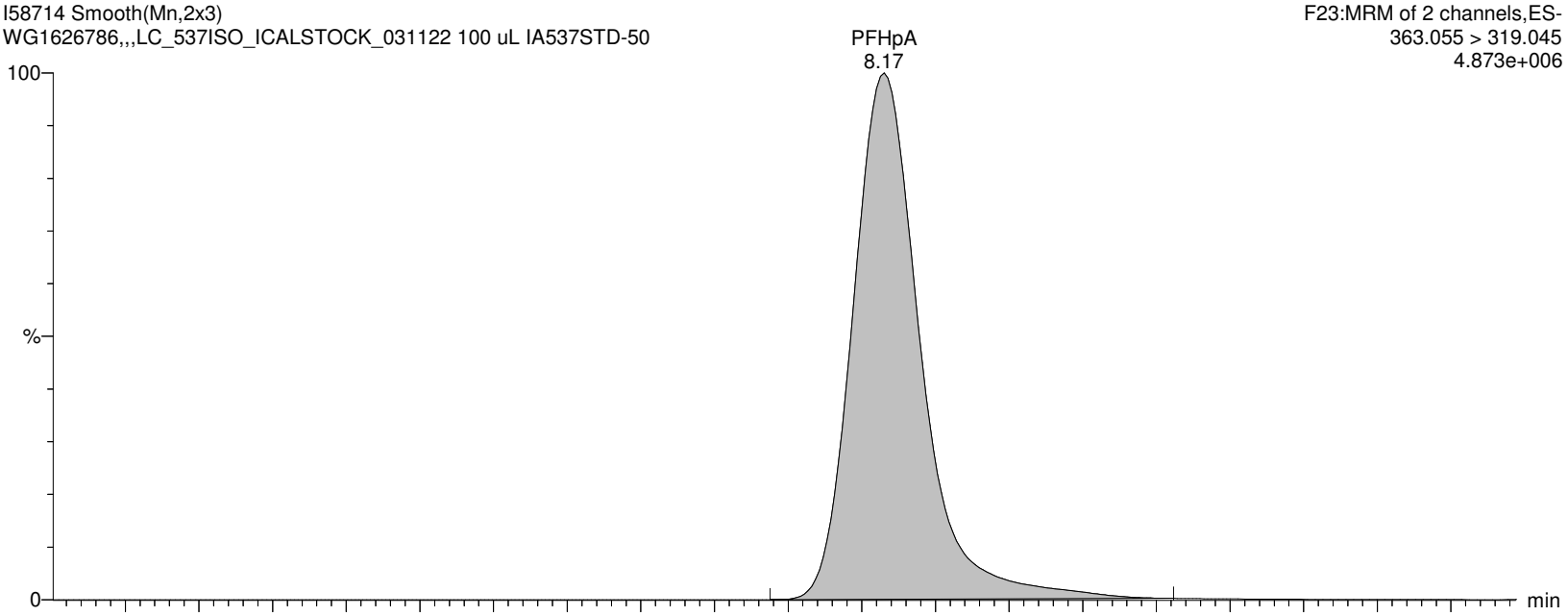


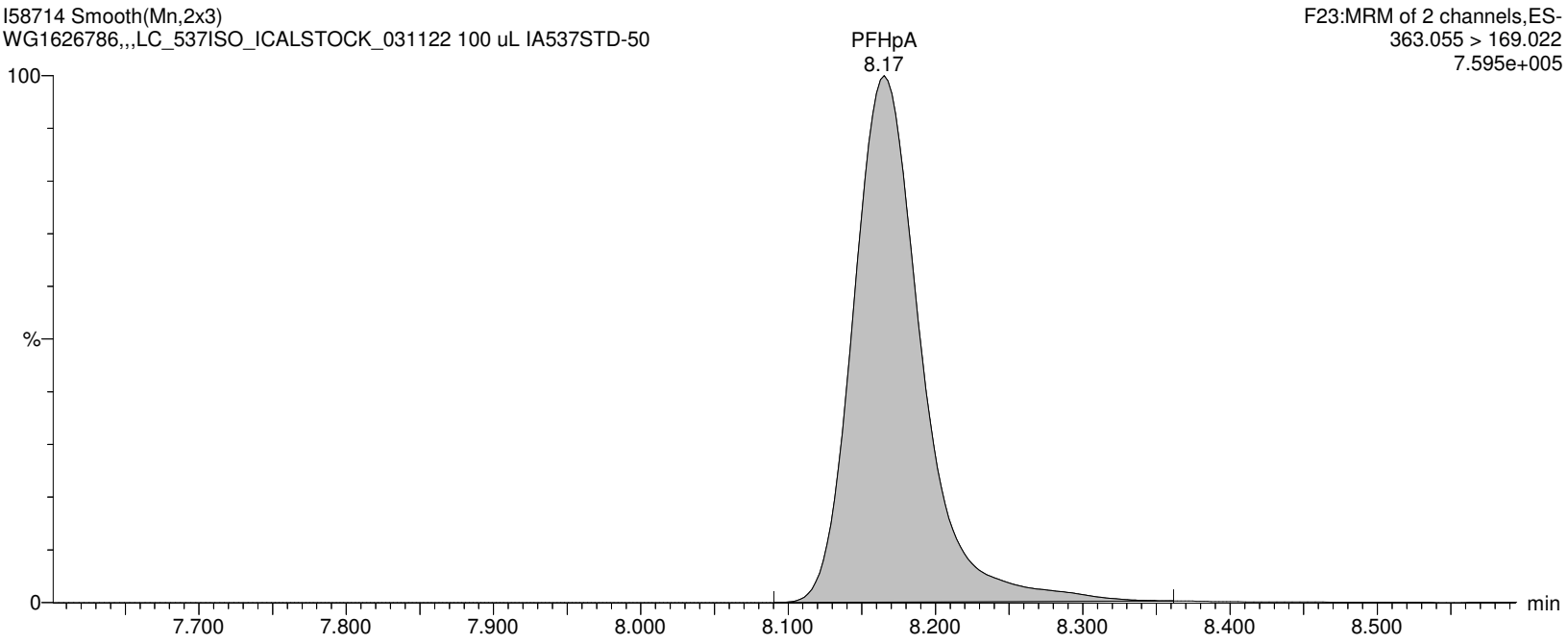
all concentration units in (ng/mL)

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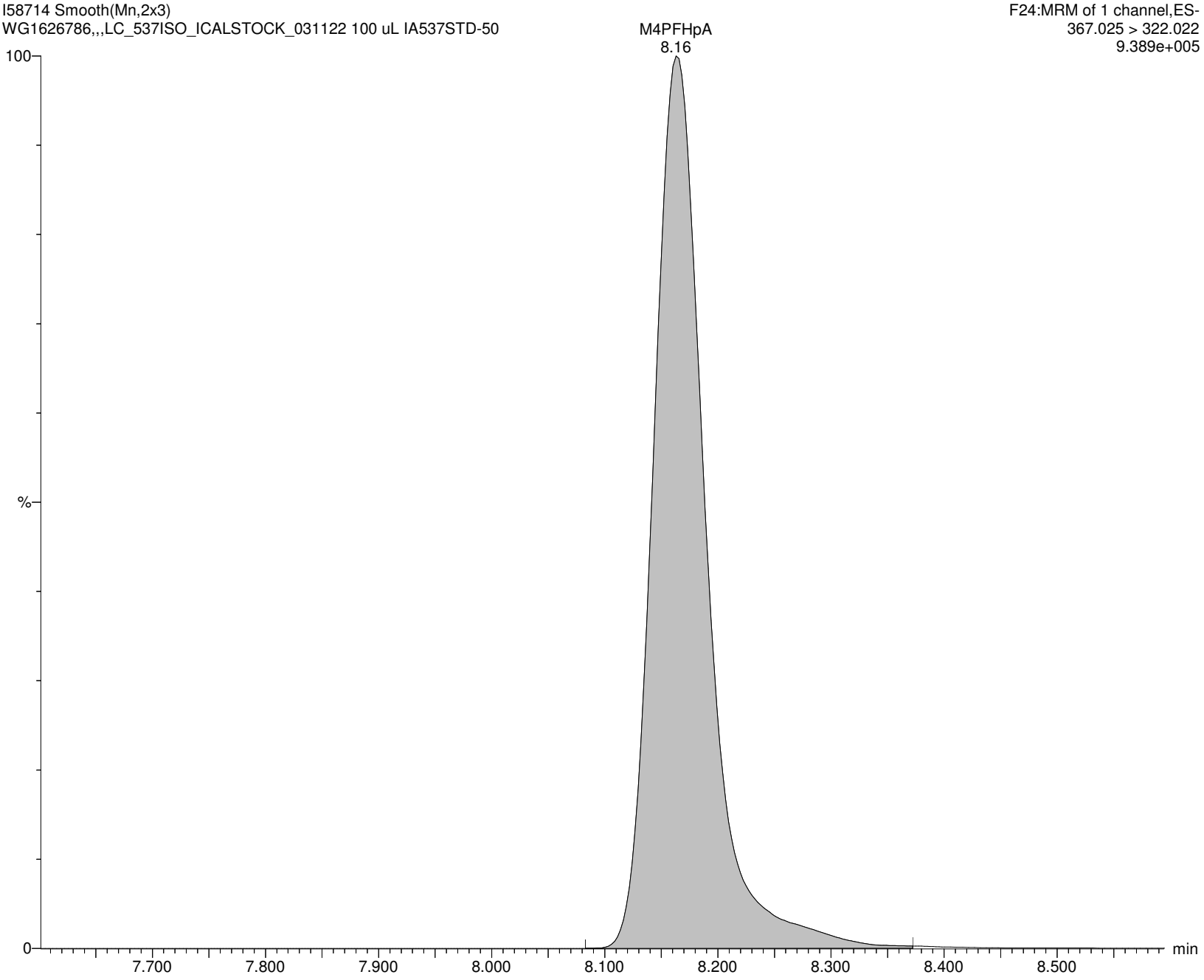


all concentration units in (ng/mL)

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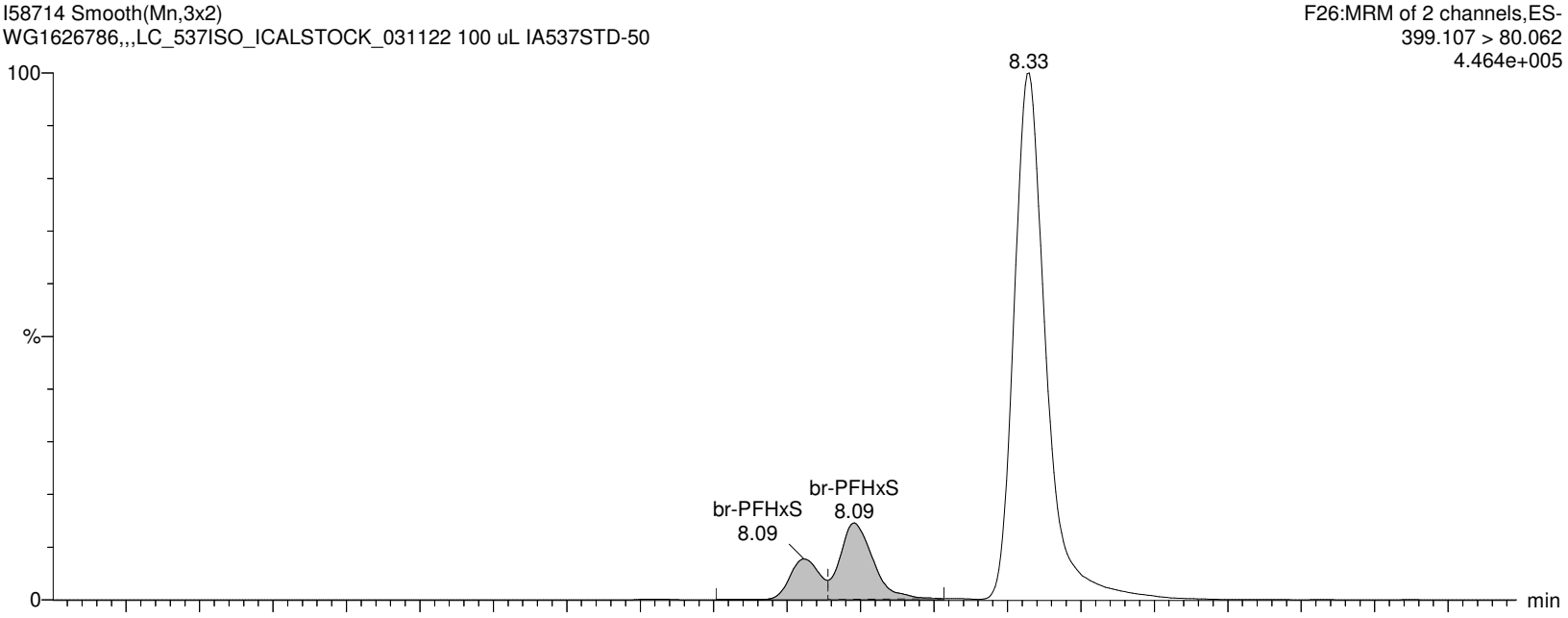


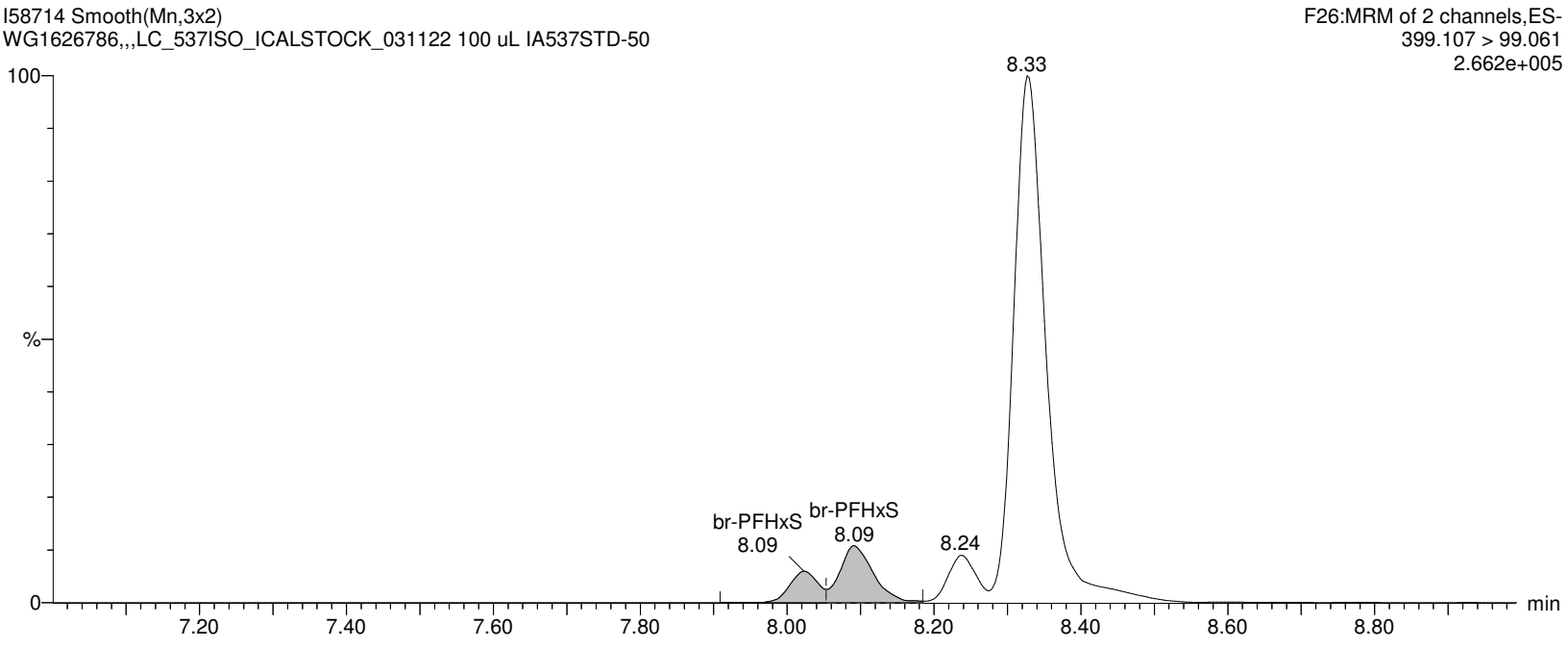
all concentration units in (ng/mL)

Alpha Analytical Inc.
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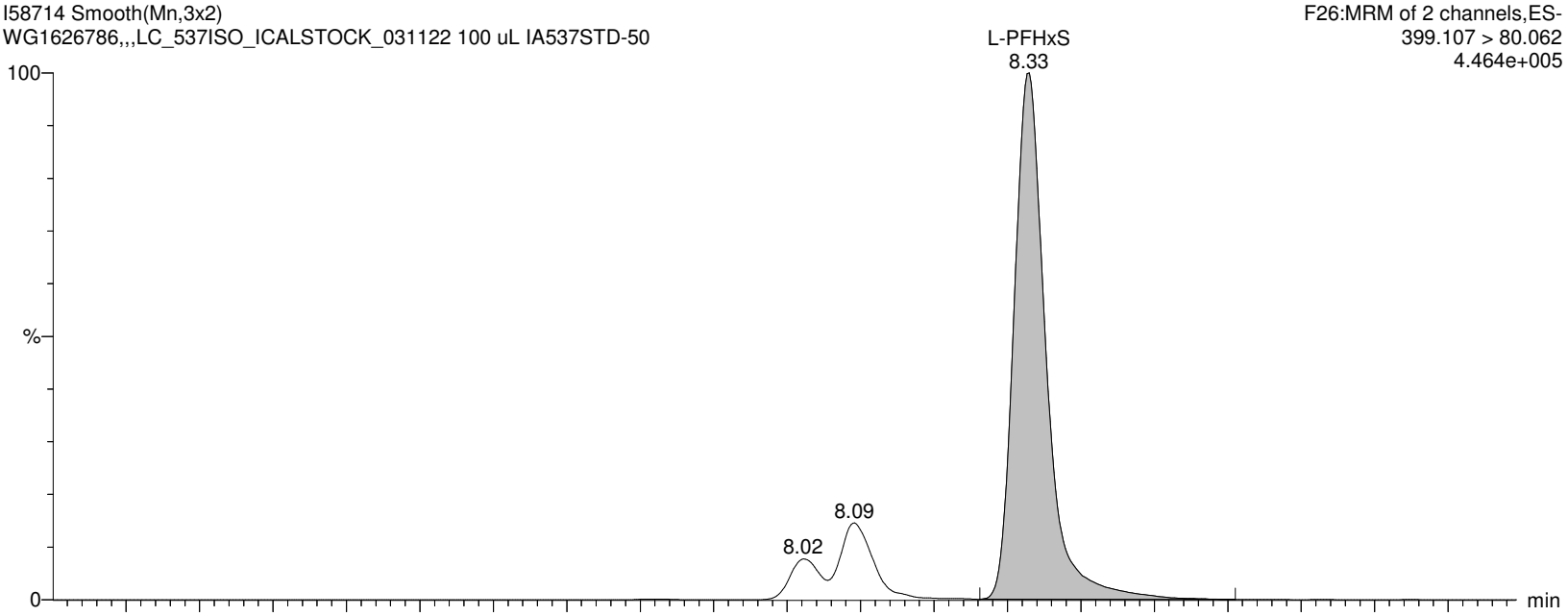


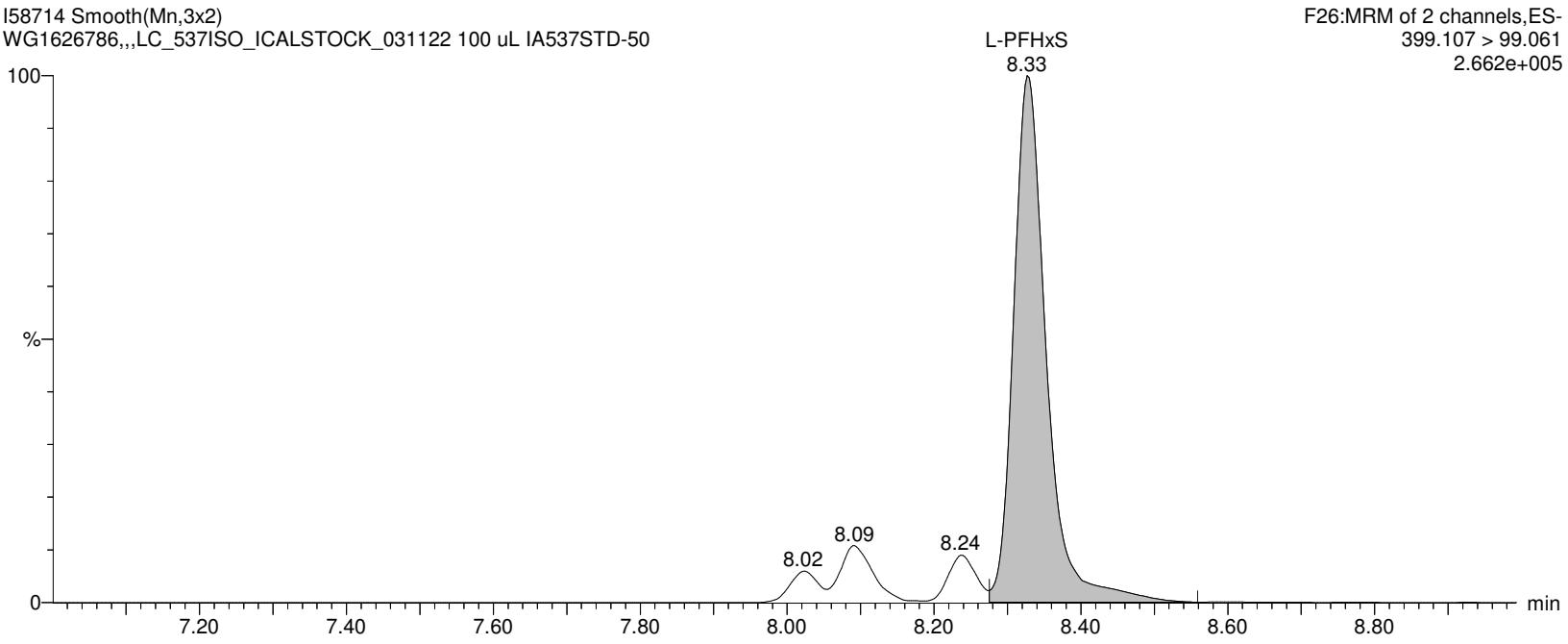
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS



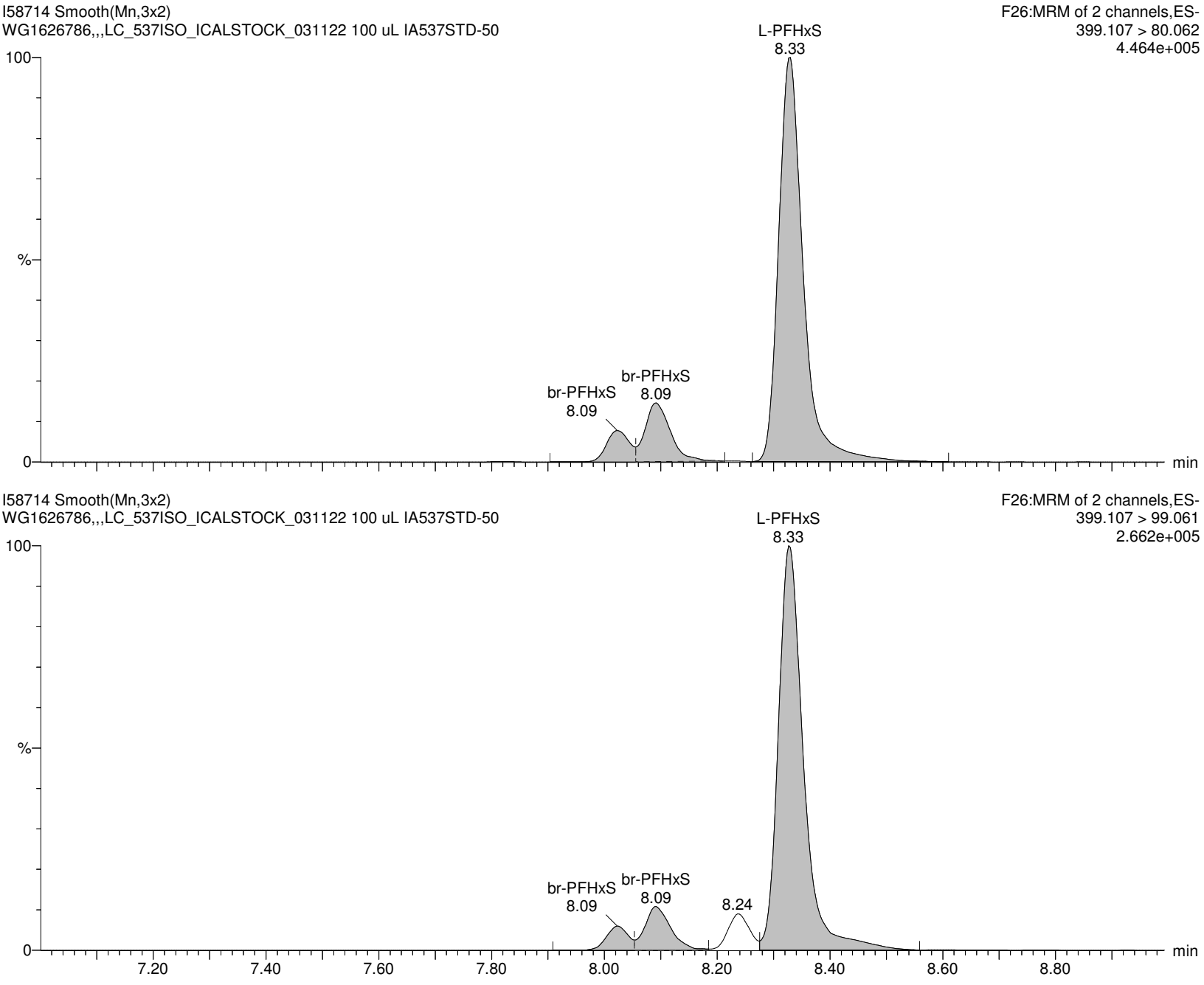


all concentration units in (ng/mL)

Alpha Analytical Inc.
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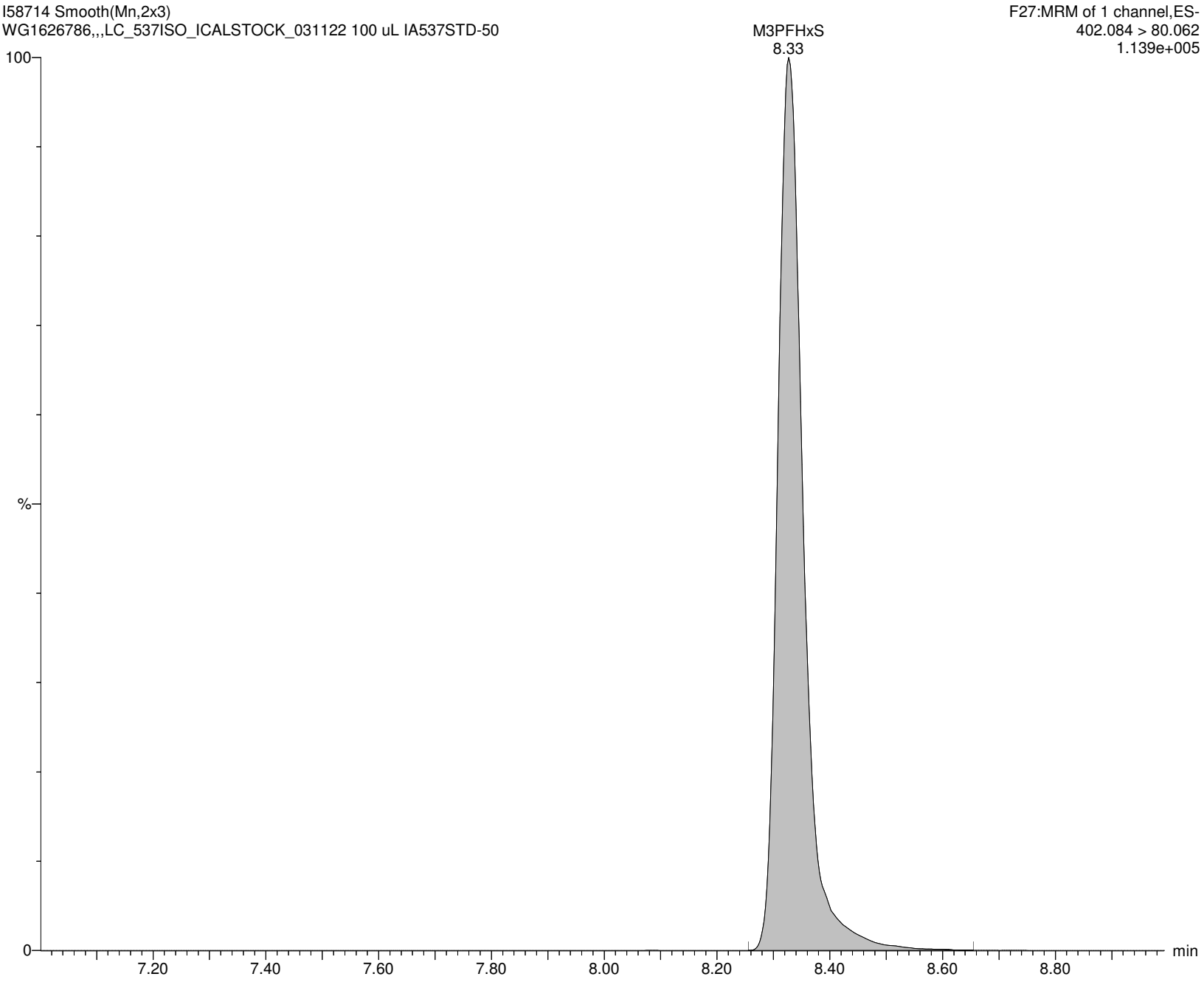


all concentration units in (ng/mL)

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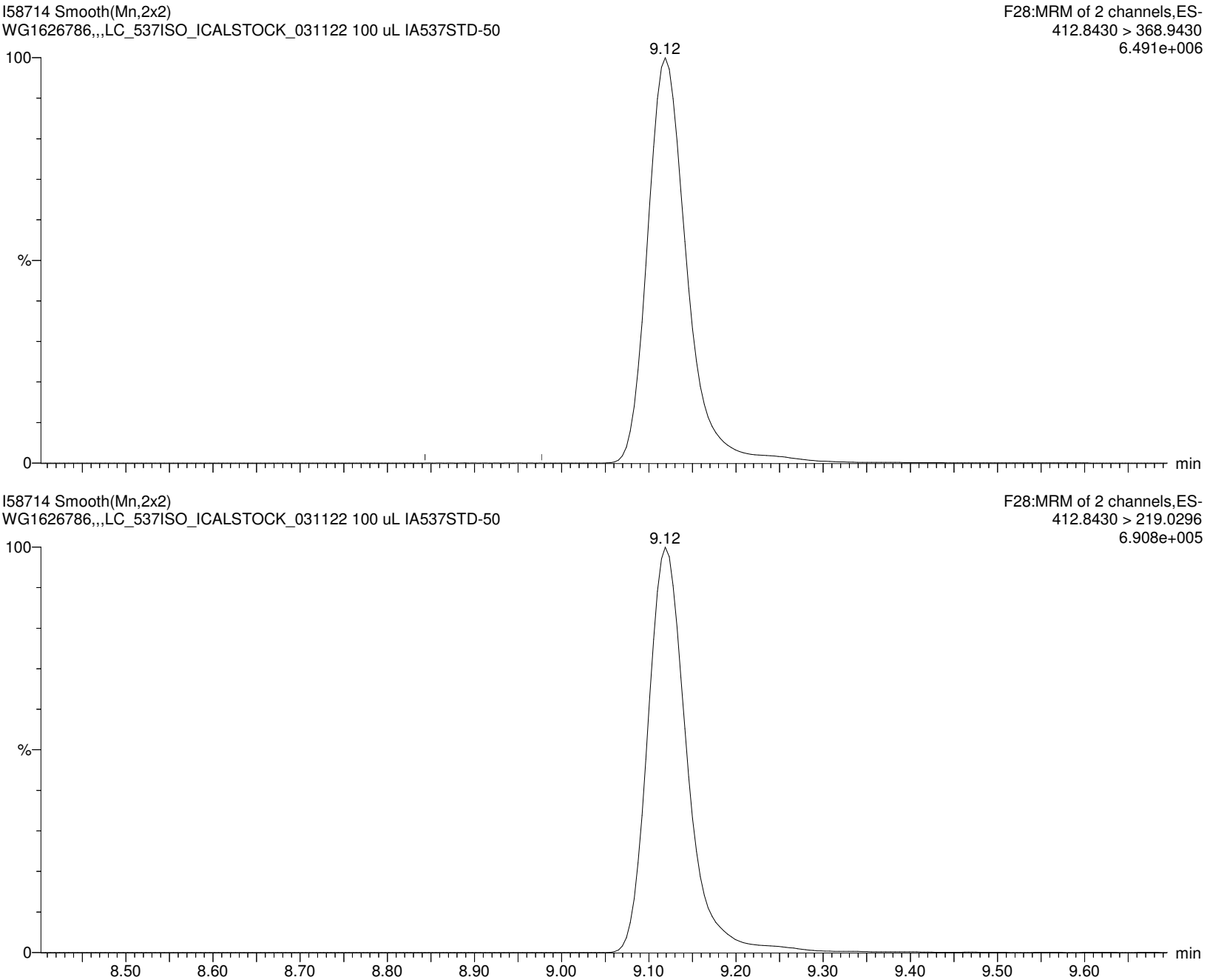


all concentration units in (ng/mL)

Alpha Analytical Inc.
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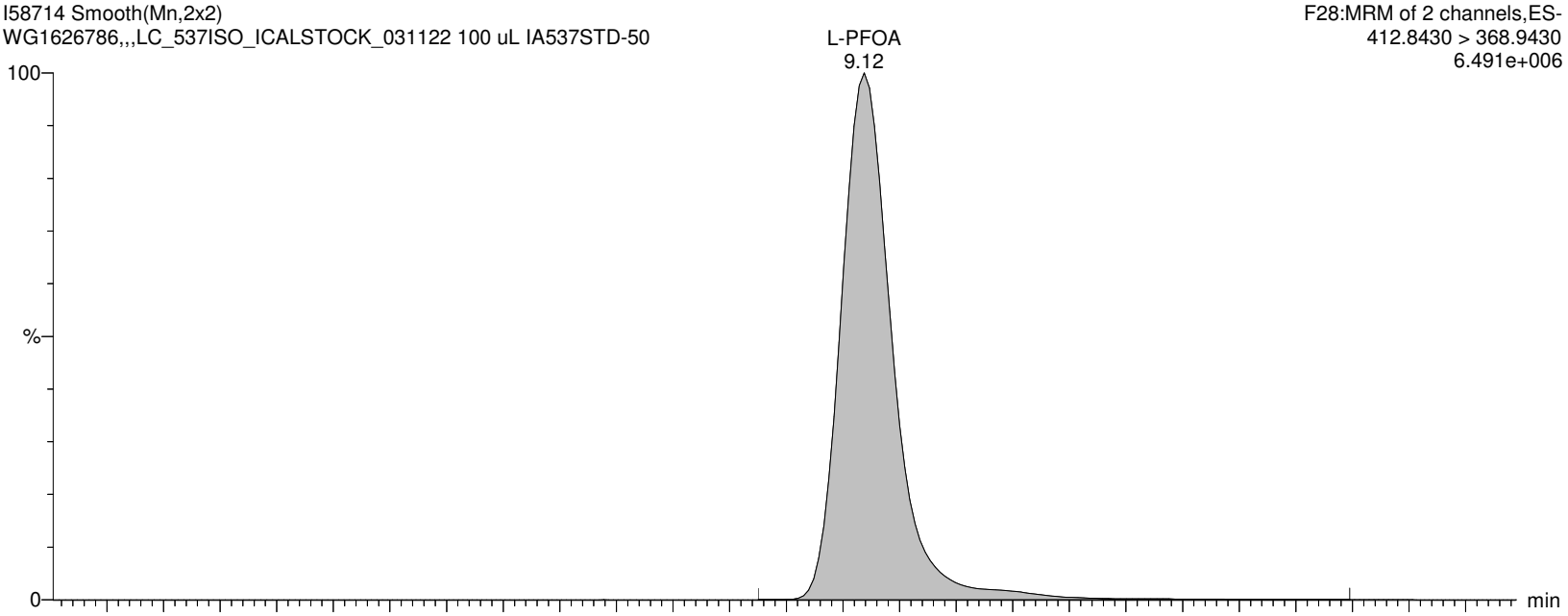


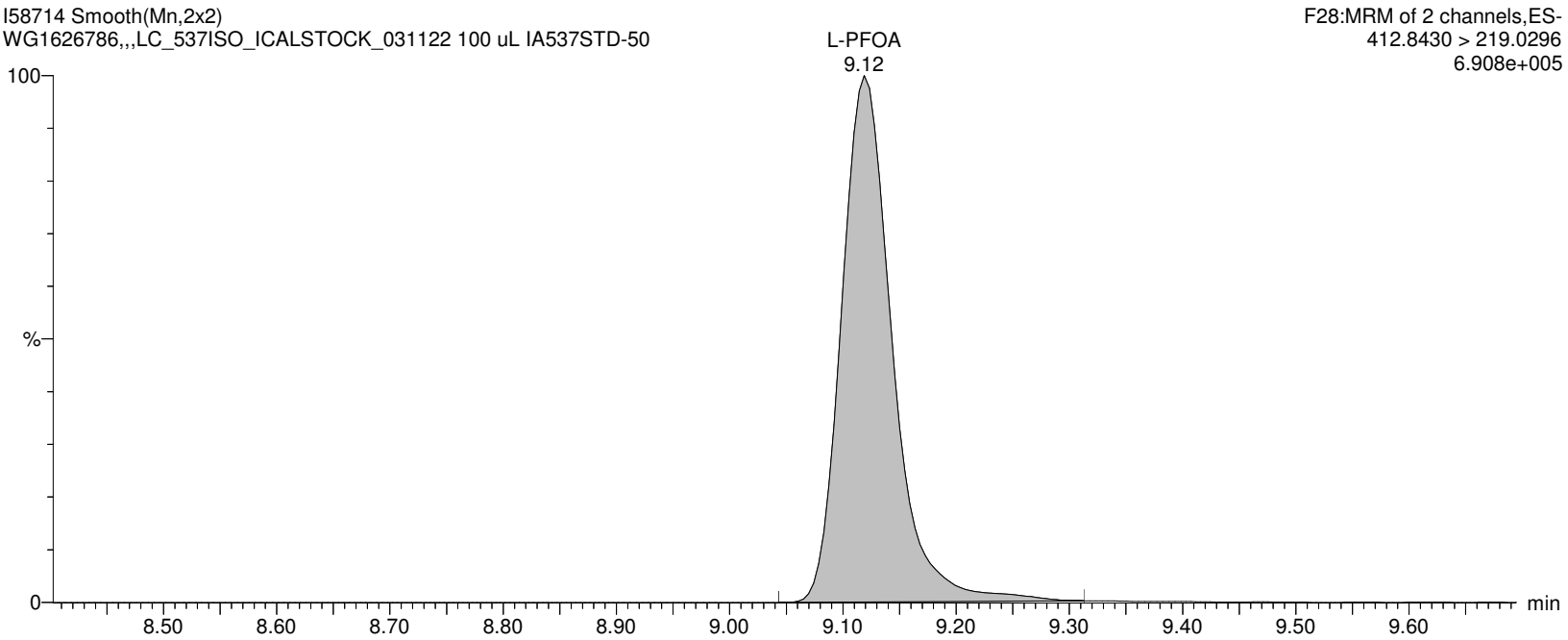
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L-PFOA



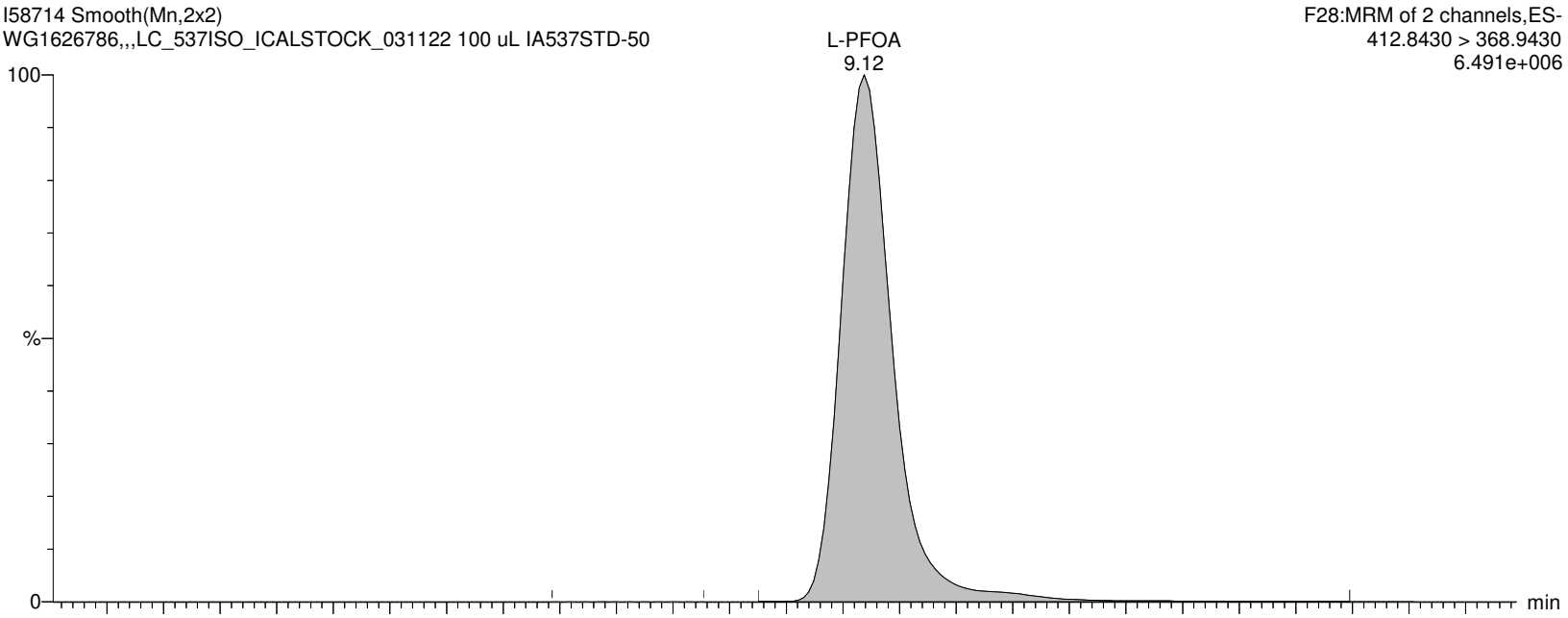


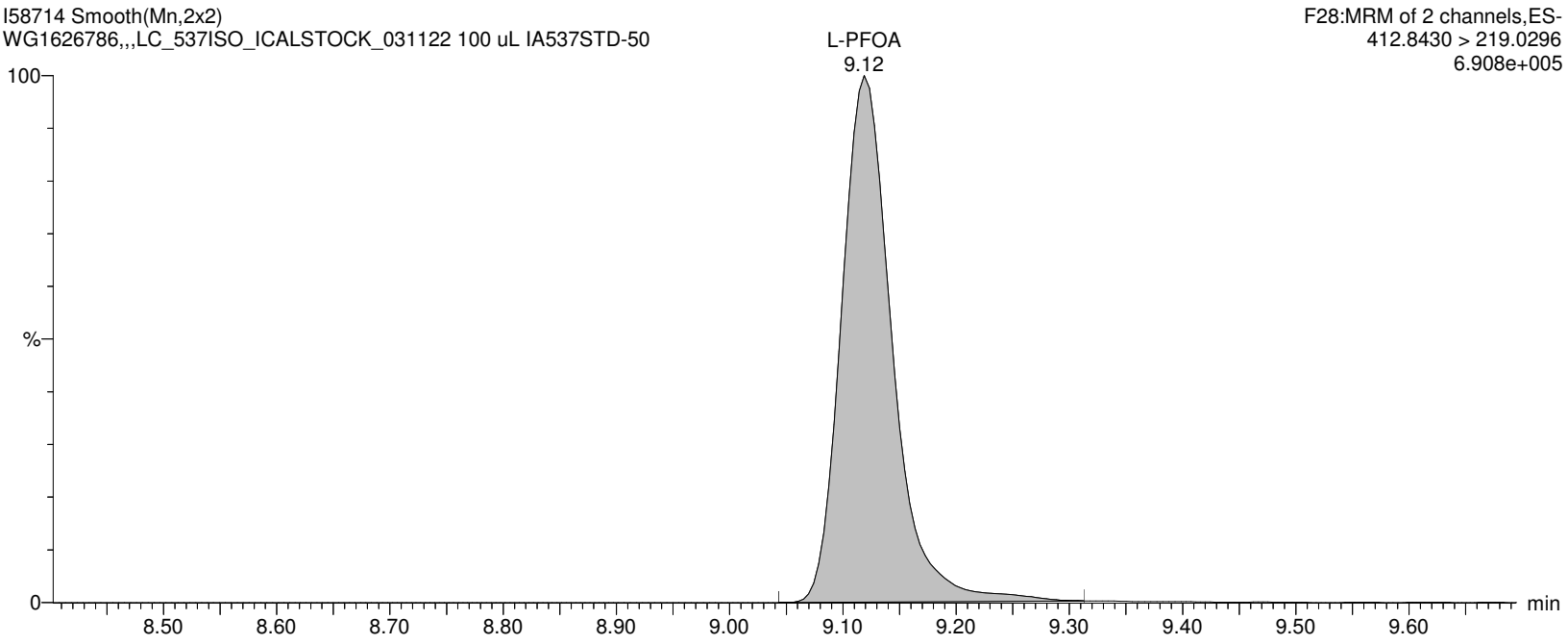
all concentration units in (ng/mL)

Alpha Analytical Inc.
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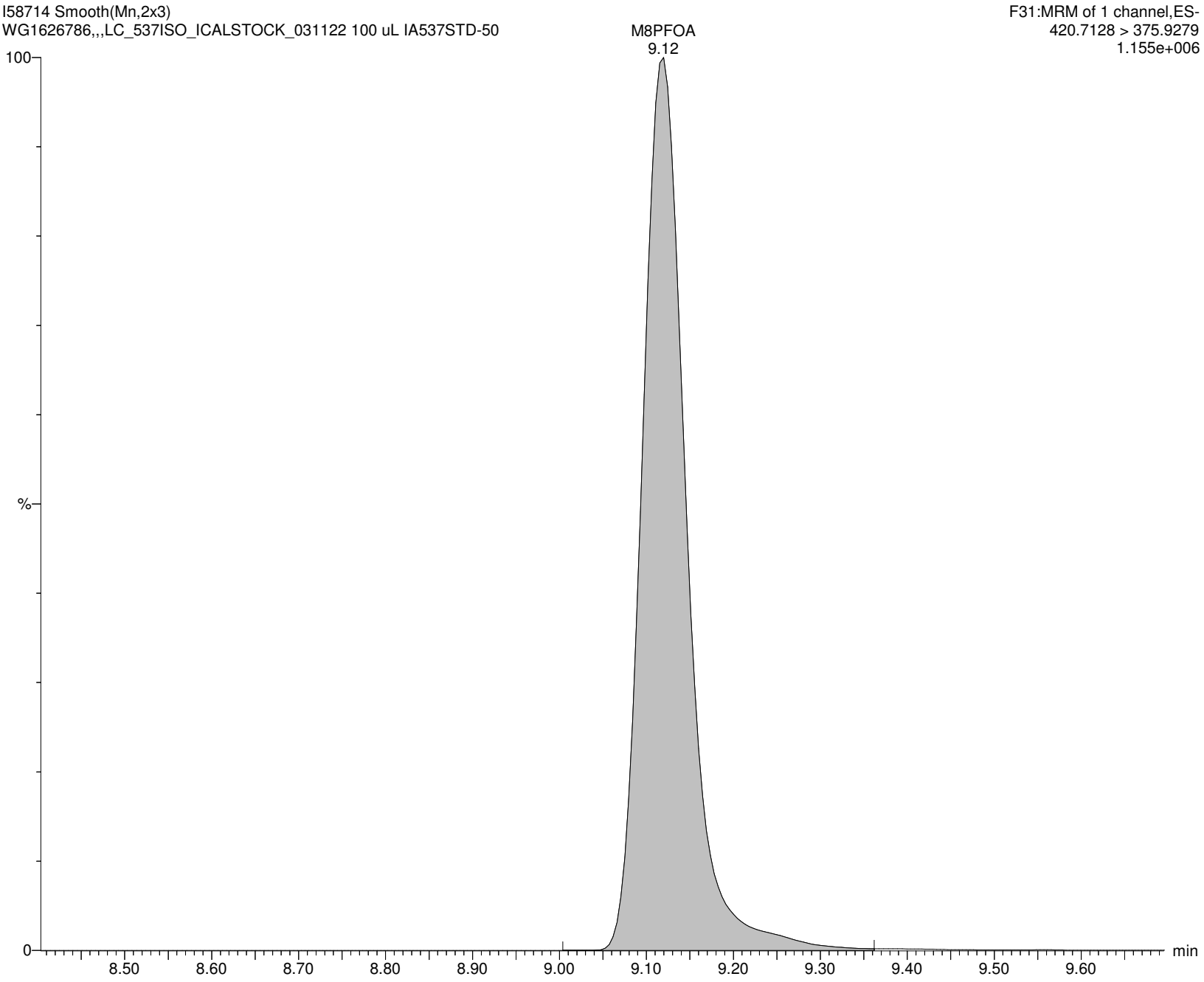


all concentration units in (ng/mL)

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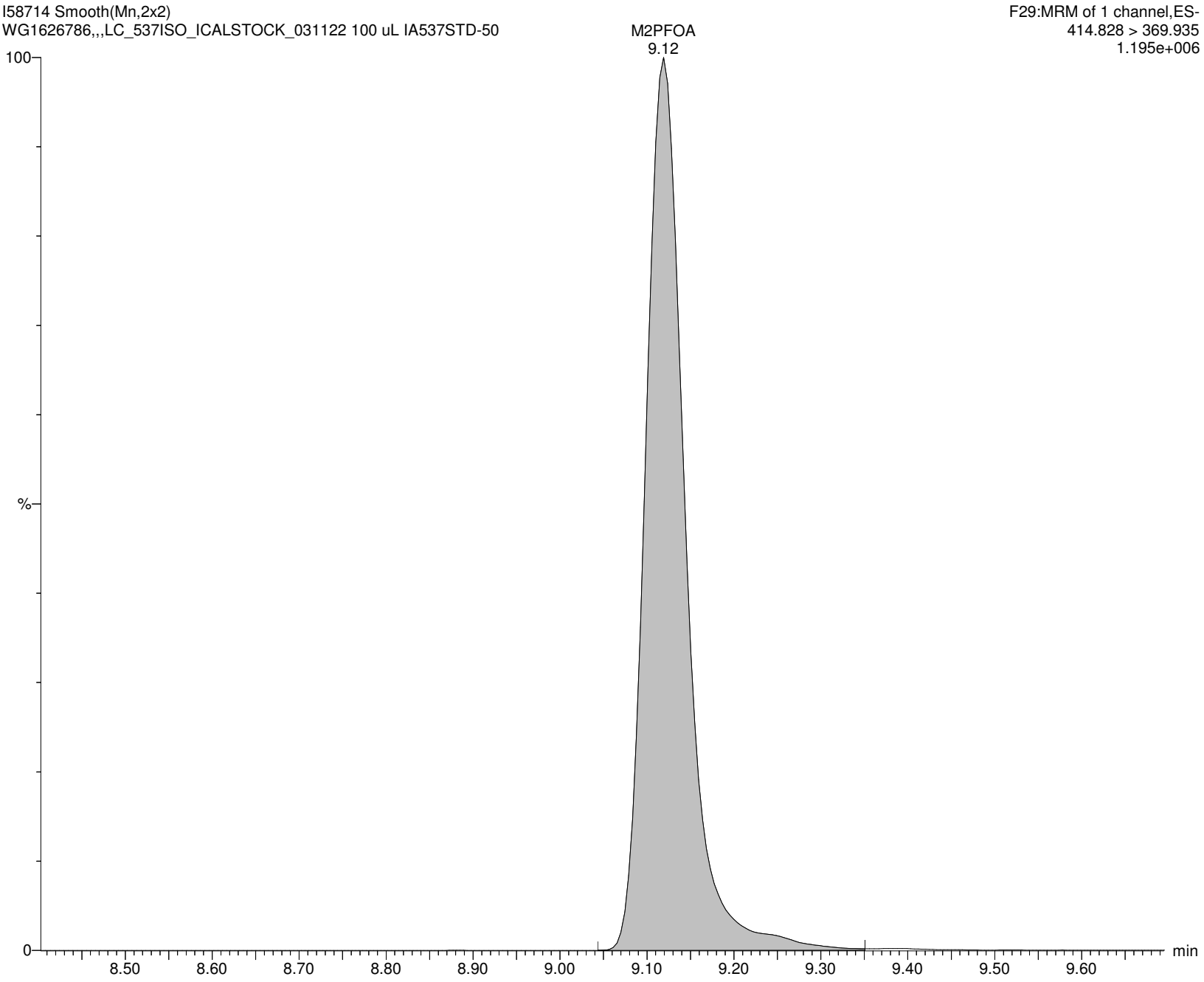


all concentration units in (ng/mL)

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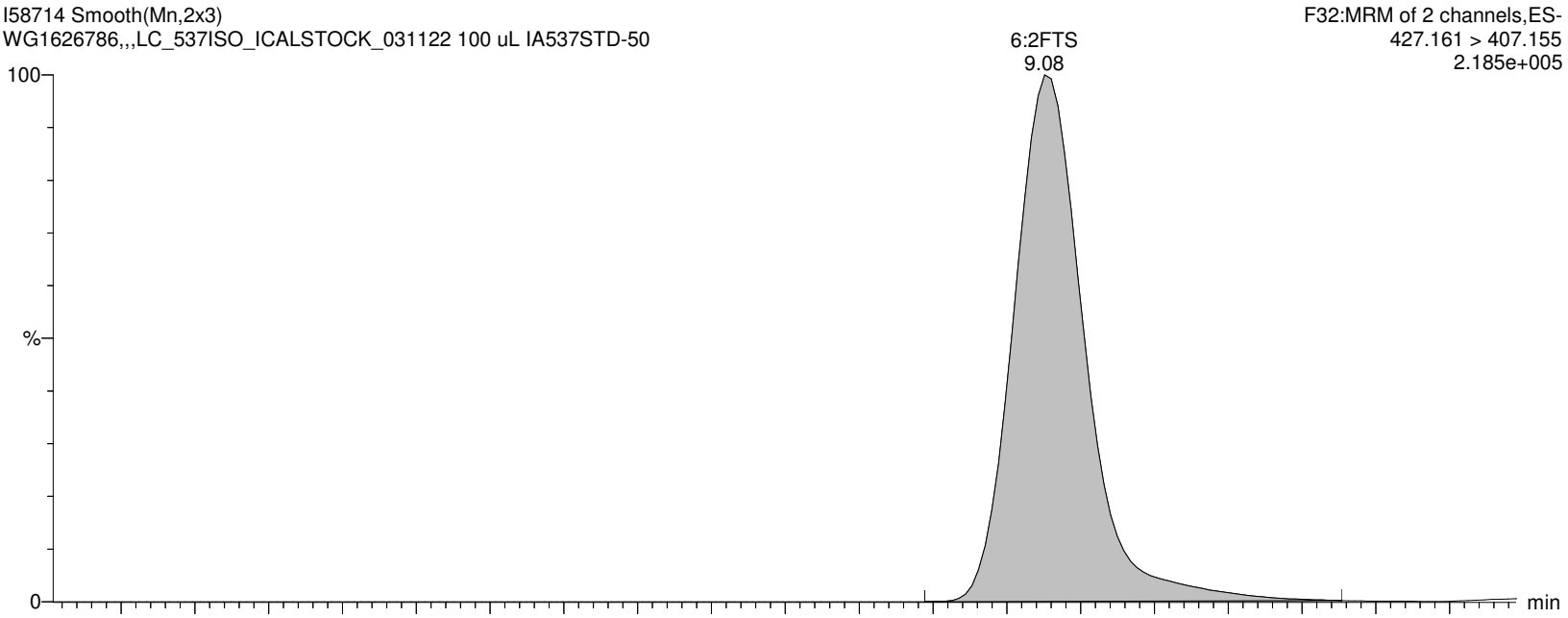


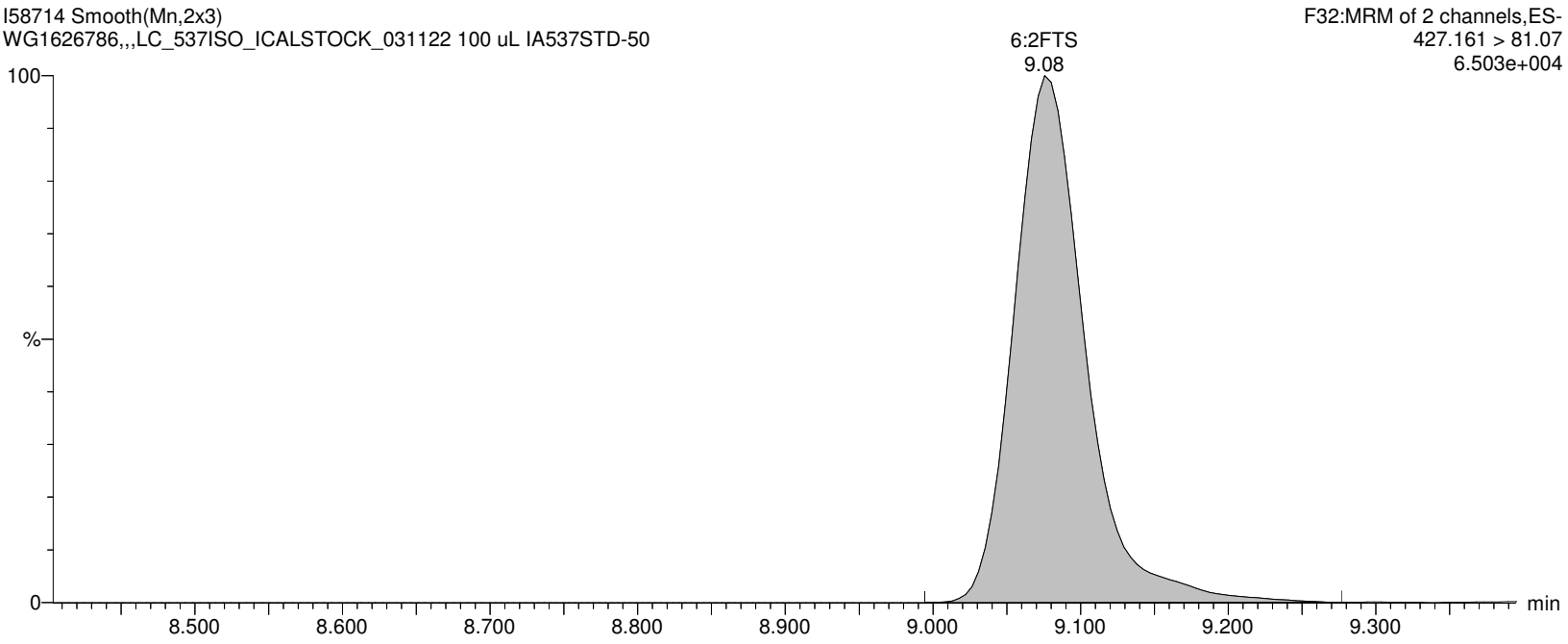
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



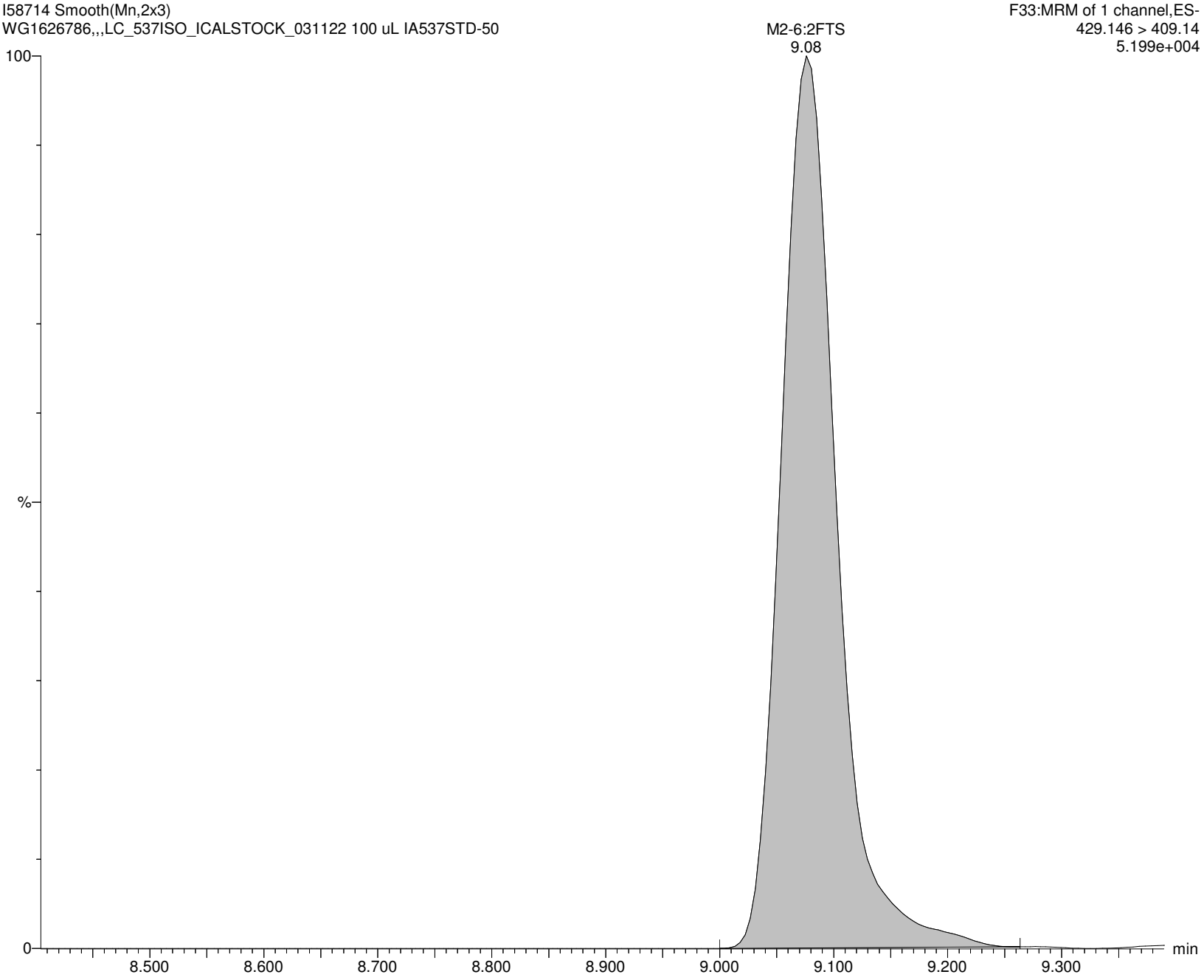


all concentration units in (ng/mL)

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M2-6:2FTS

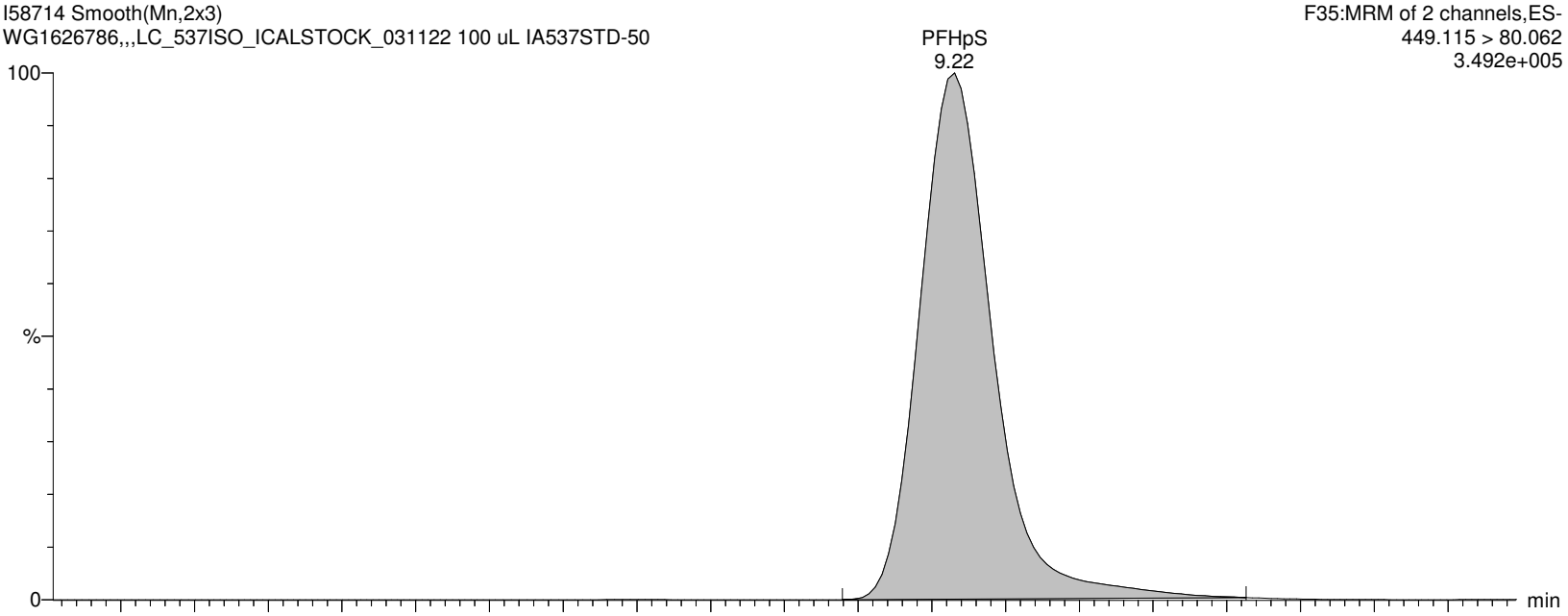


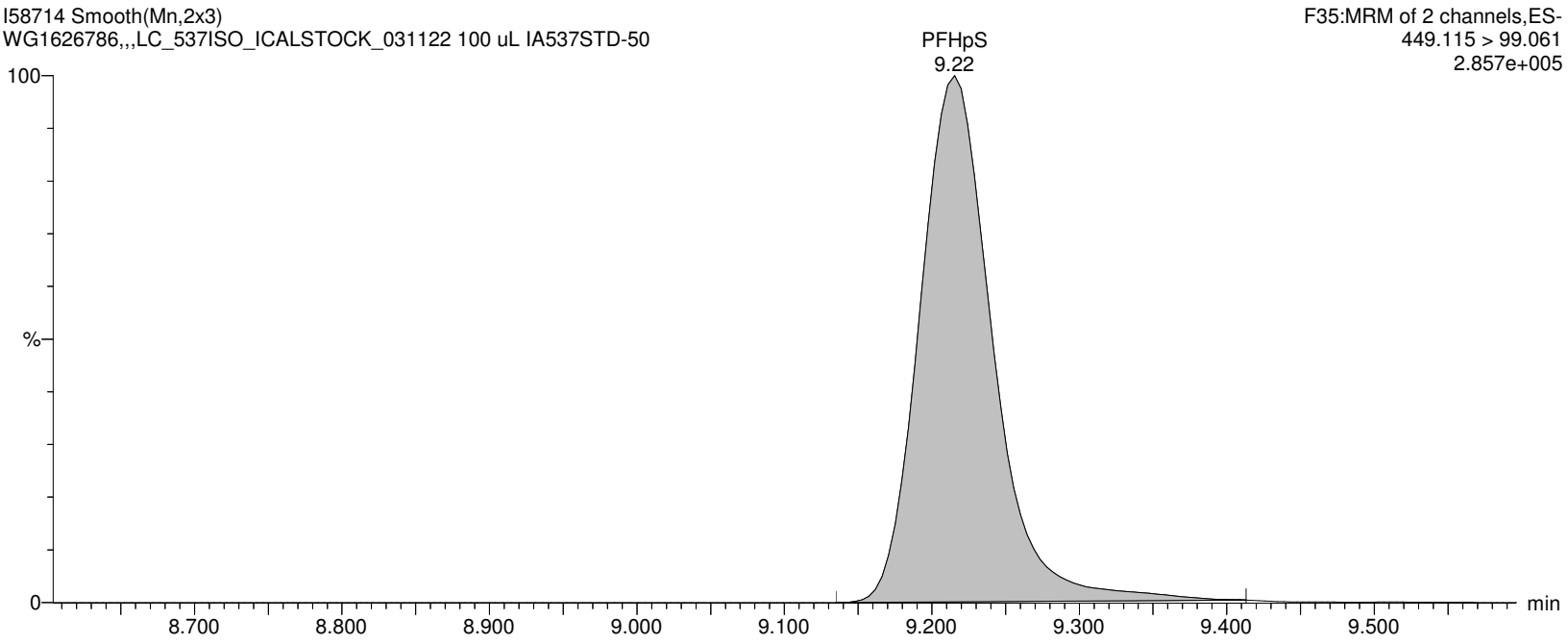
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:25 Eastern Daylight Time

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ID: IA537STD-50
Date: 13-Apr-2022
Time: 17:56:03
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL
User: LCMS02:MP
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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PFHpS



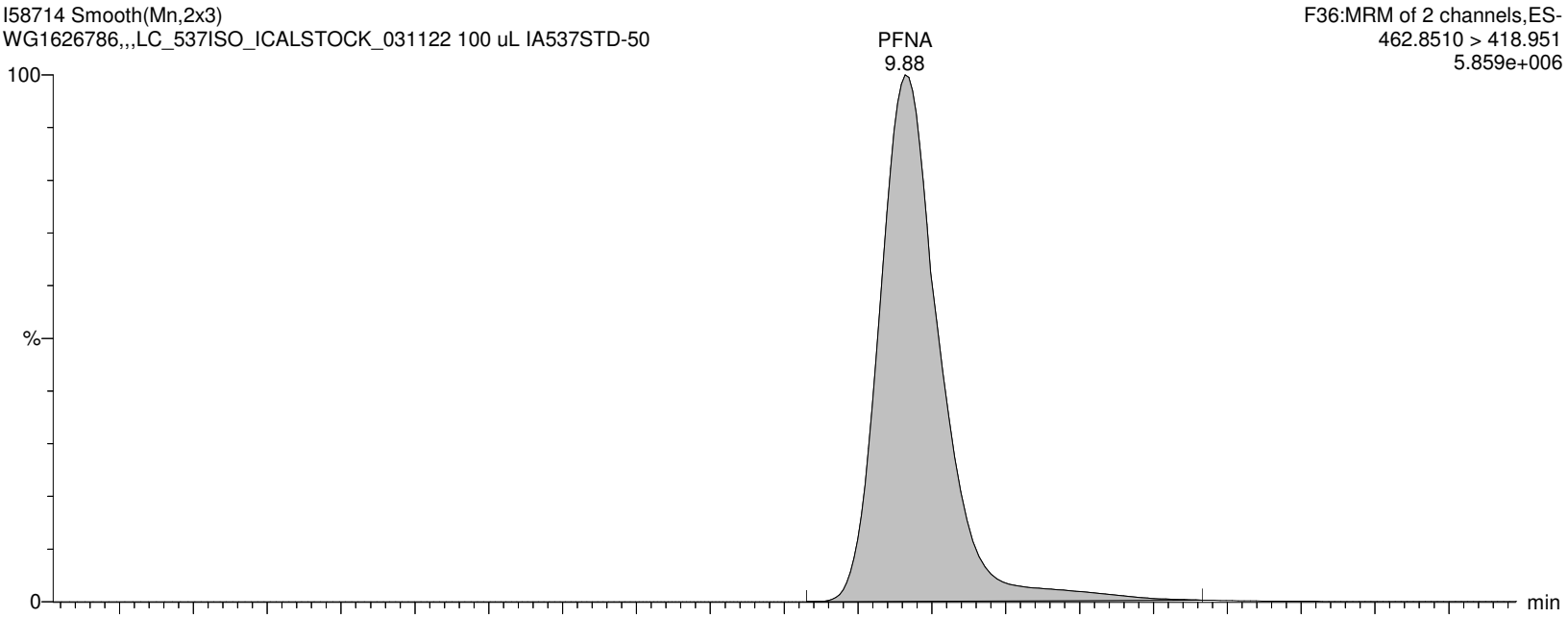


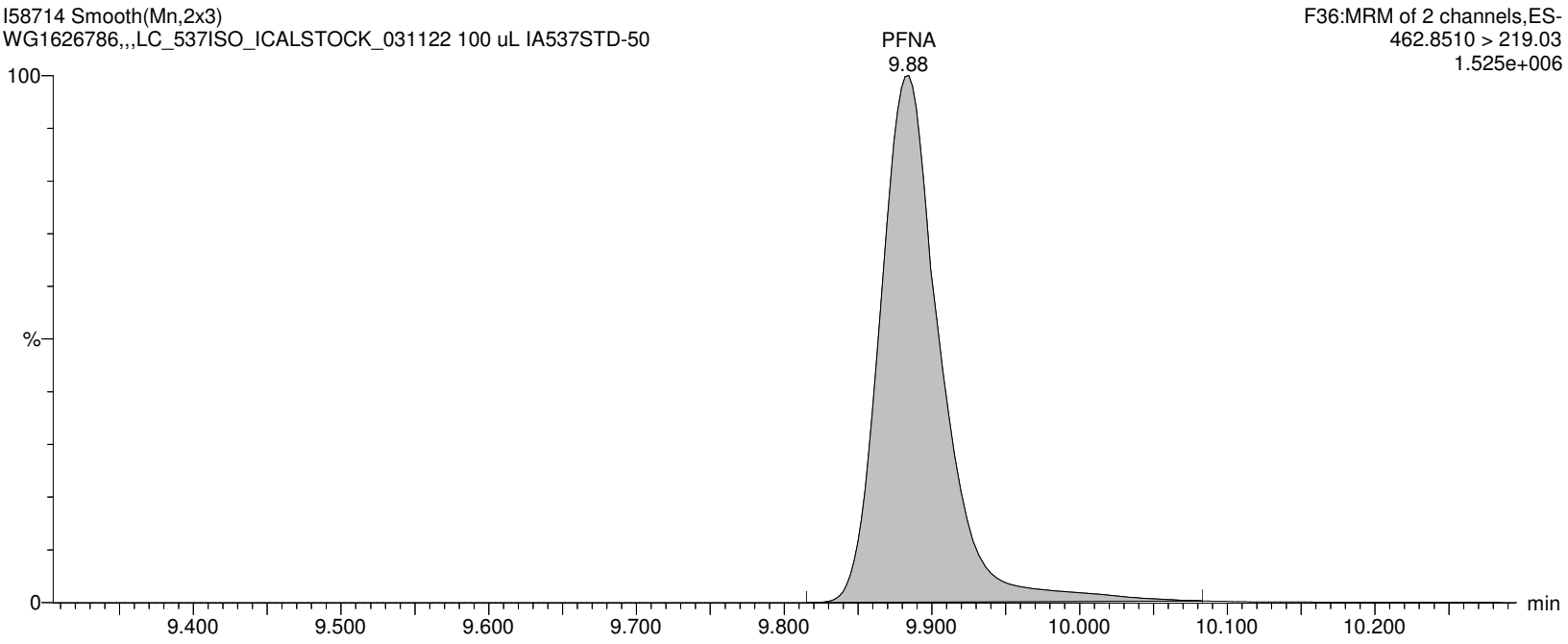
all concentration units in (ng/mL)

Alpha Analytical Inc.
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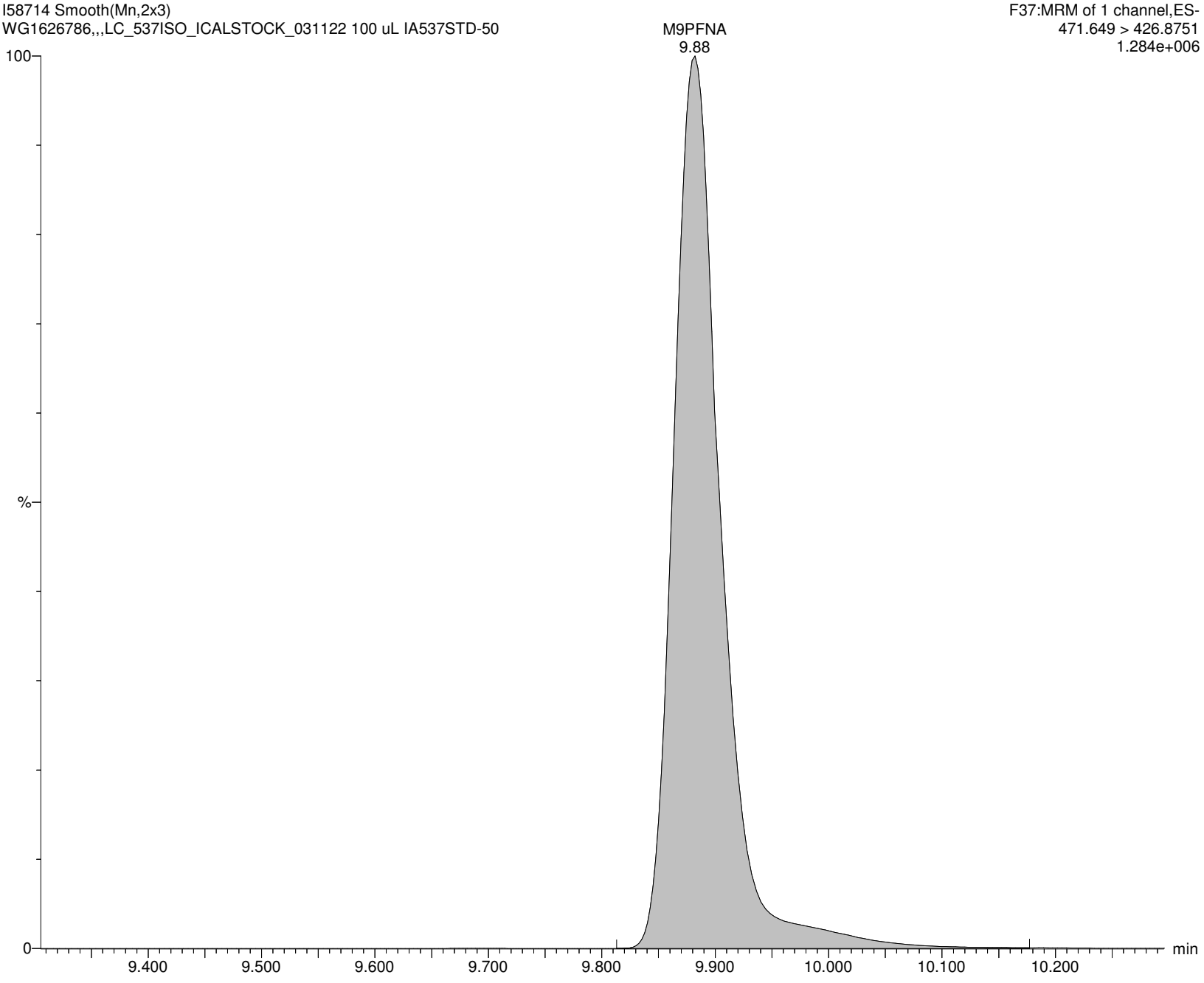


all concentration units in (ng/mL)

Alpha Analytical Inc.
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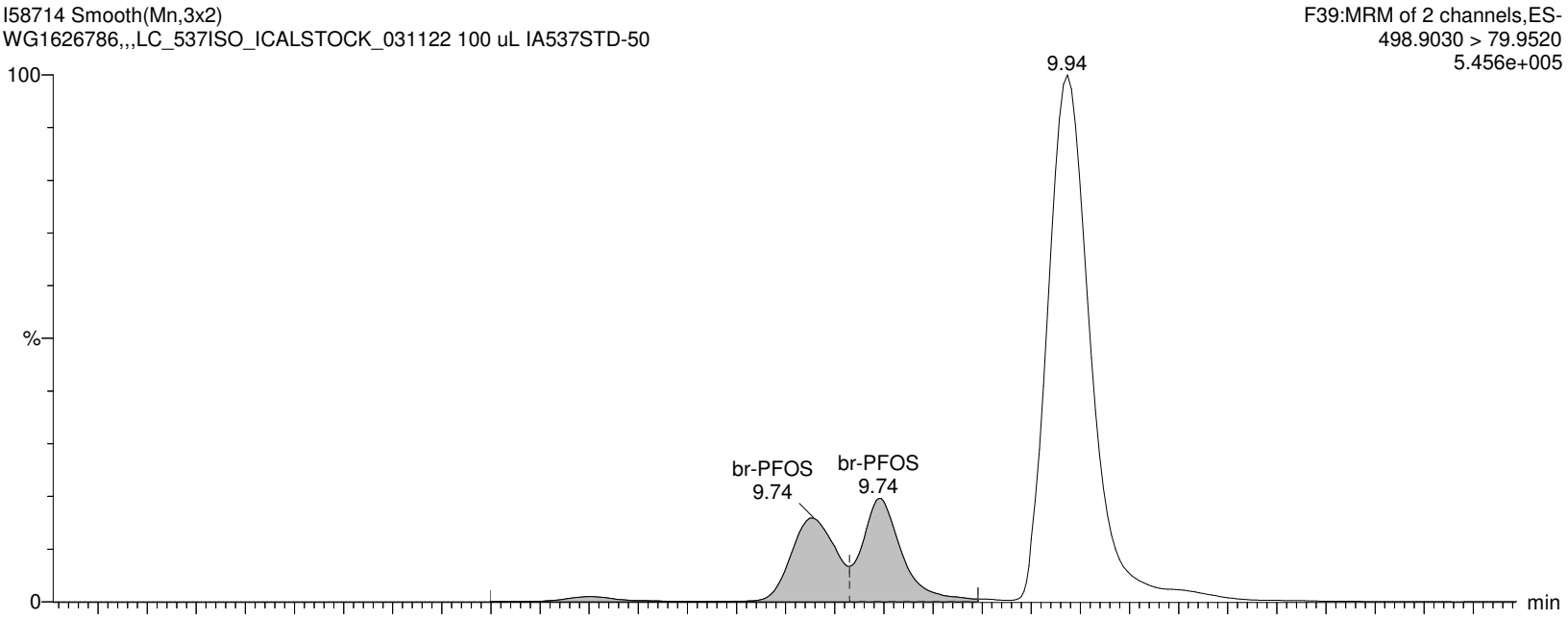


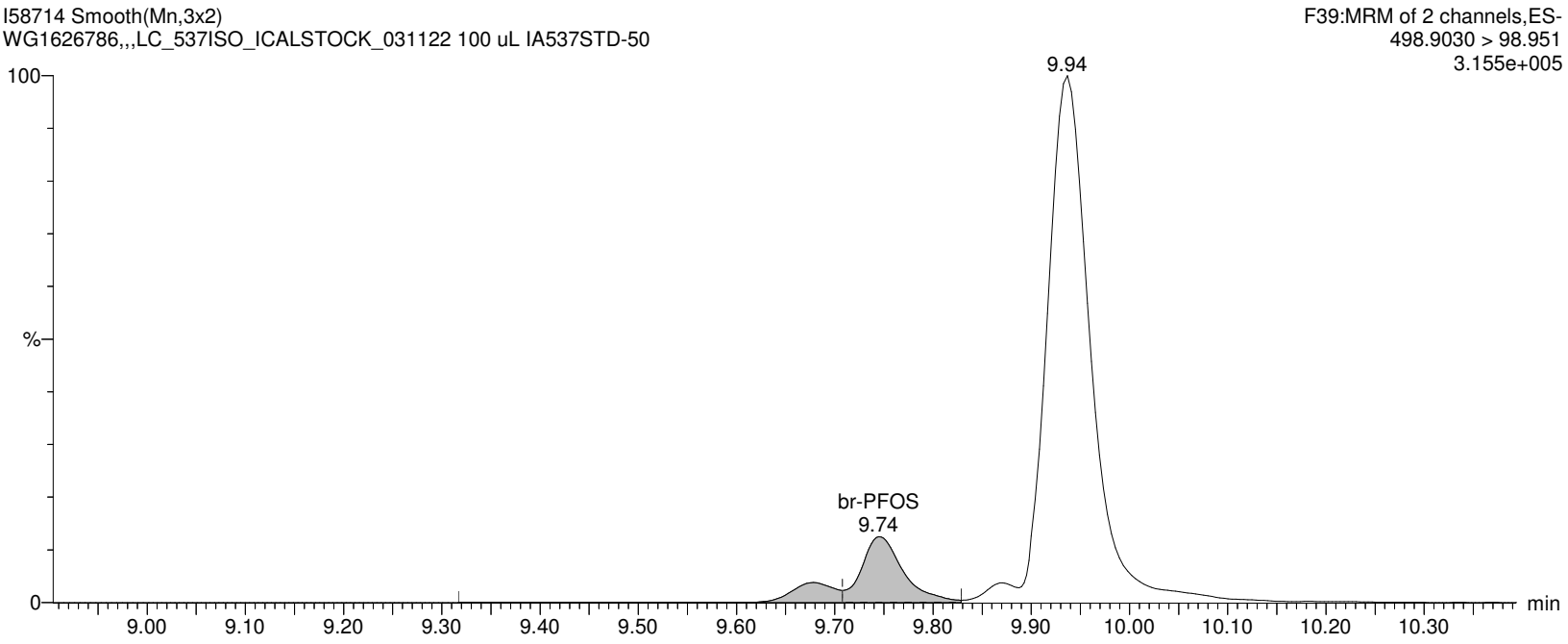
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-PFOS



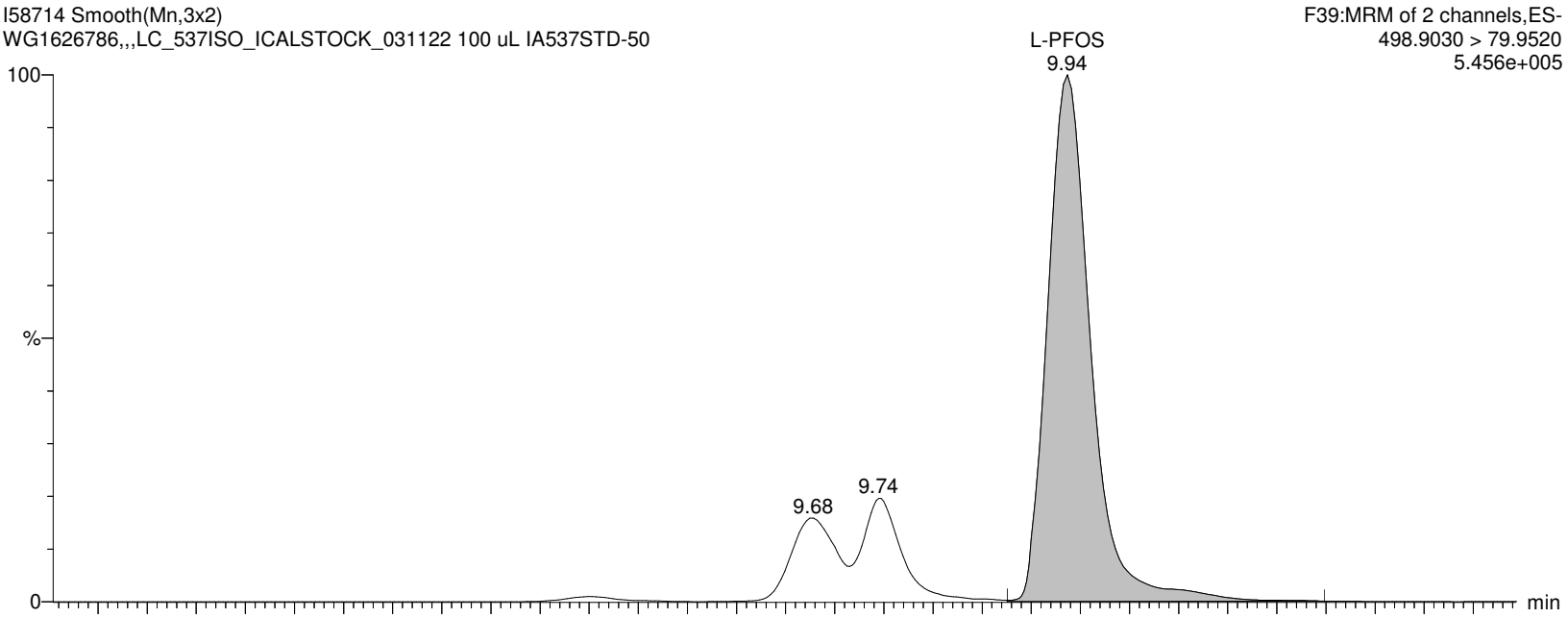


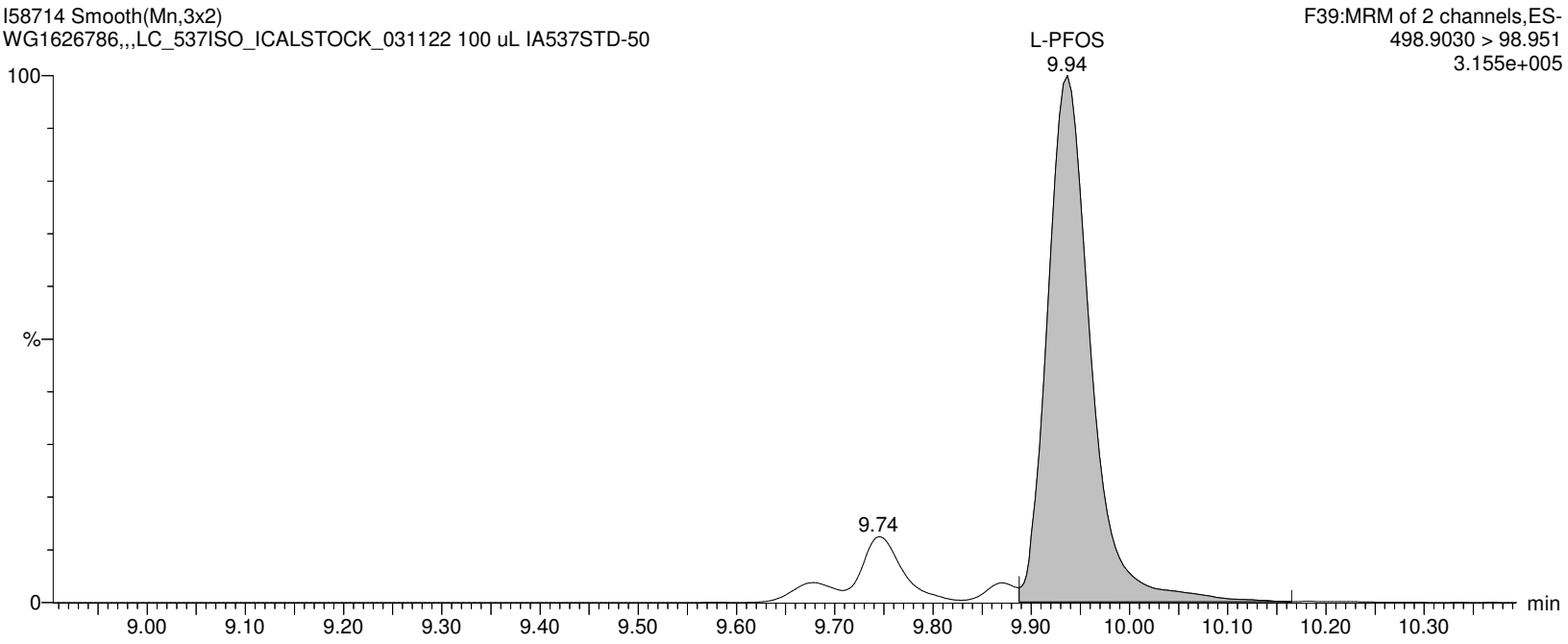
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOS



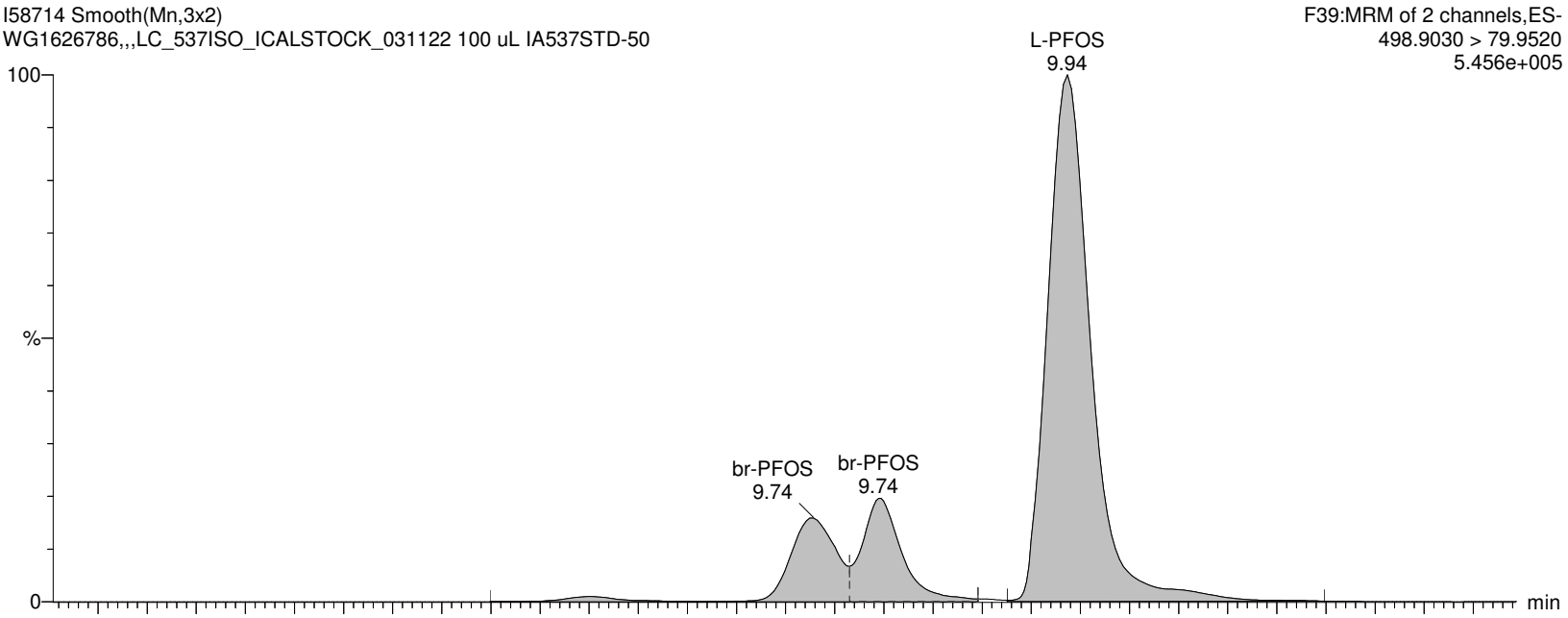


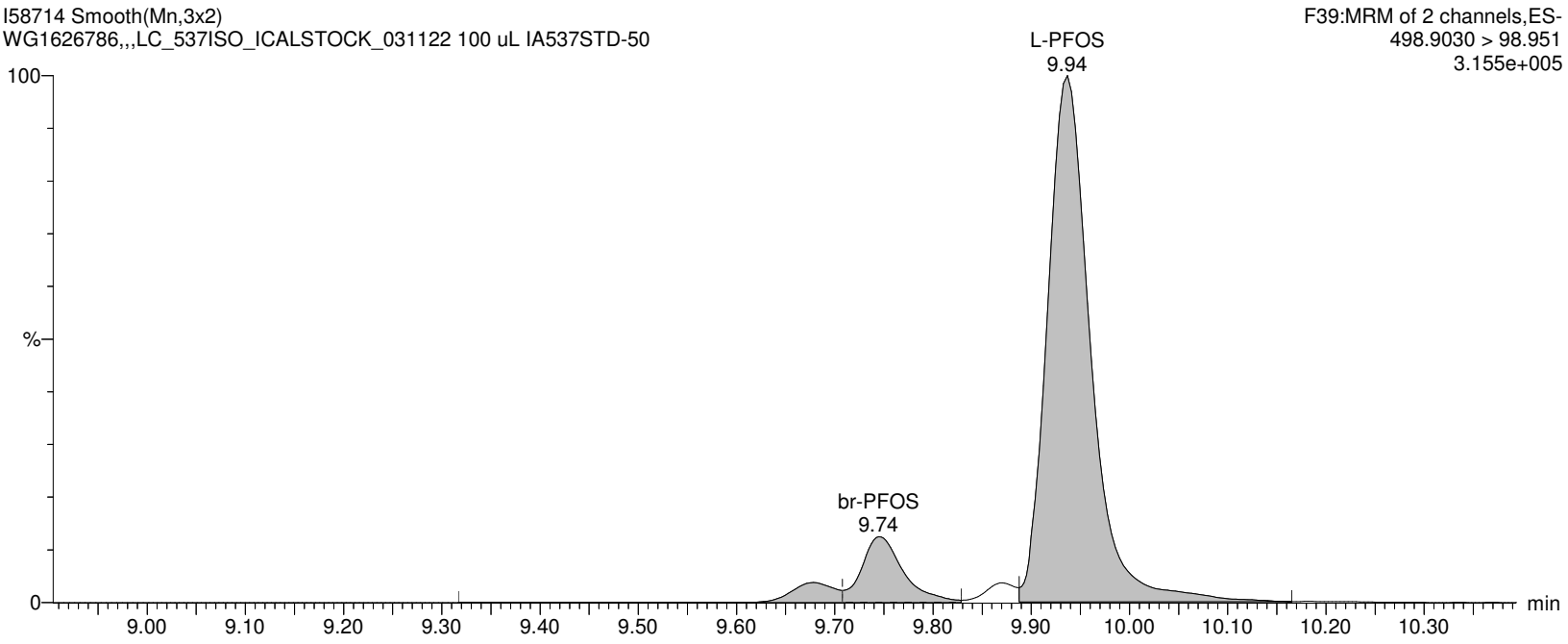
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



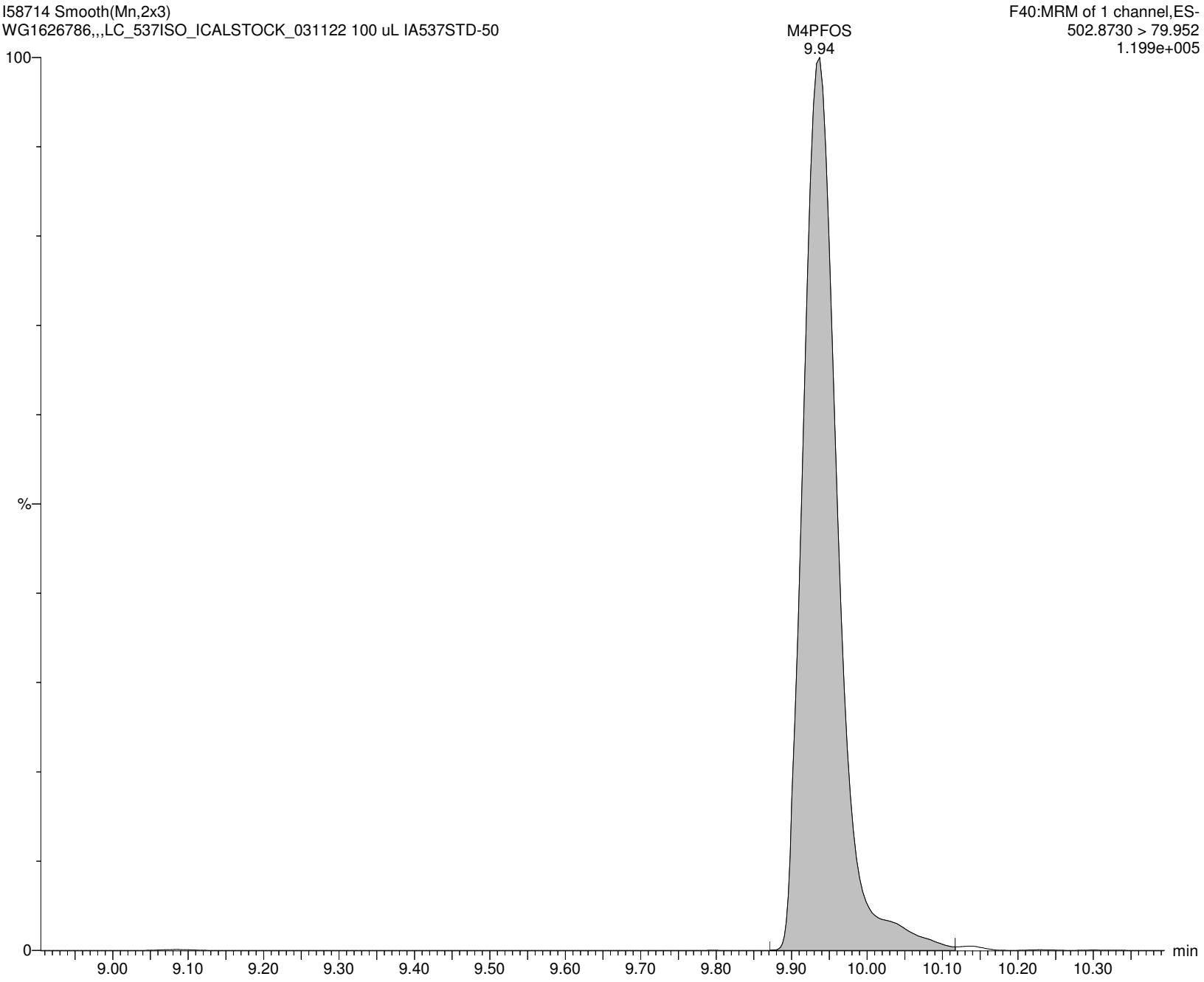


all concentration units in (ng/mL)

Alpha Analytical Inc.
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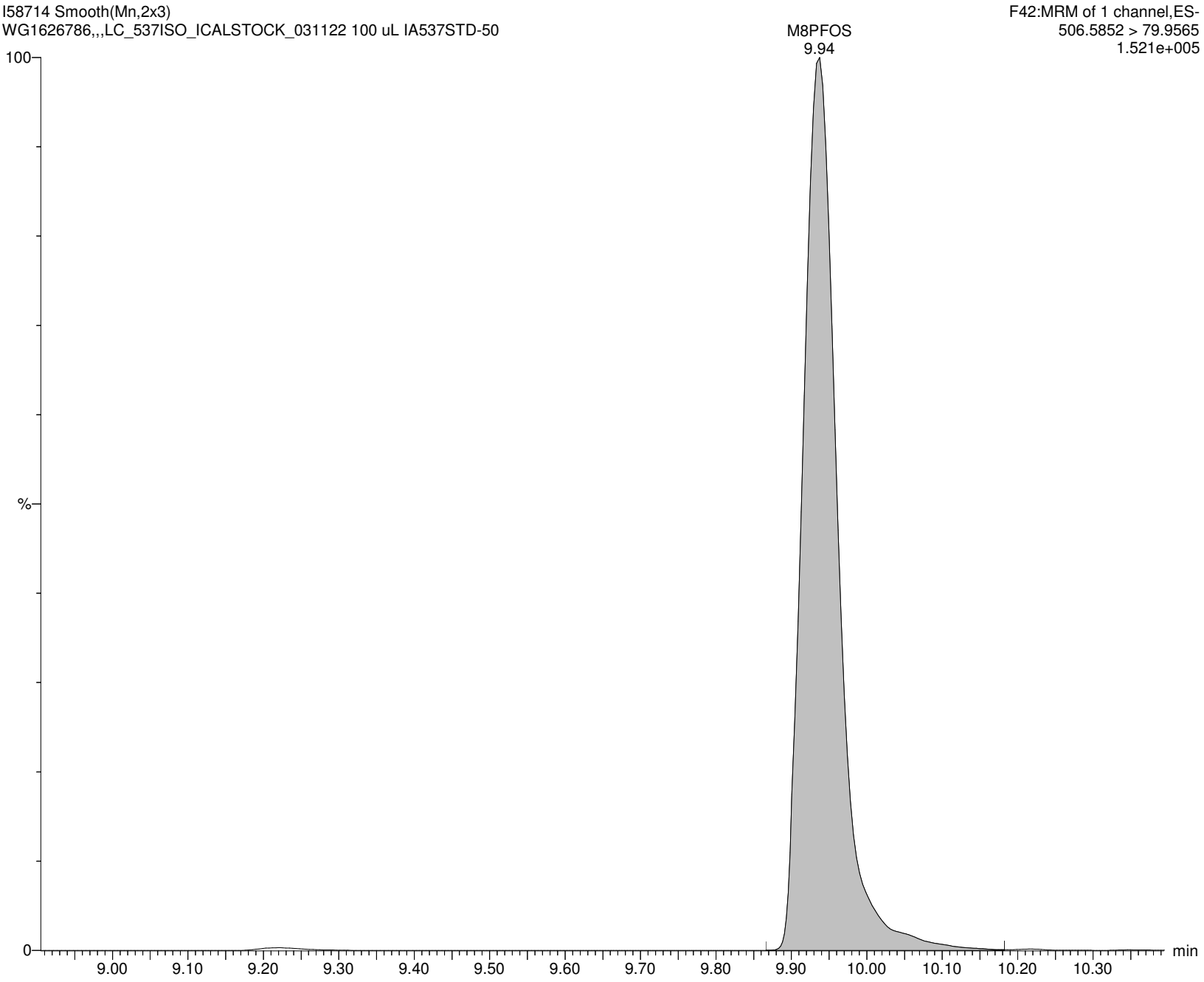


all concentration units in (ng/mL)

Alpha Analytical Inc.
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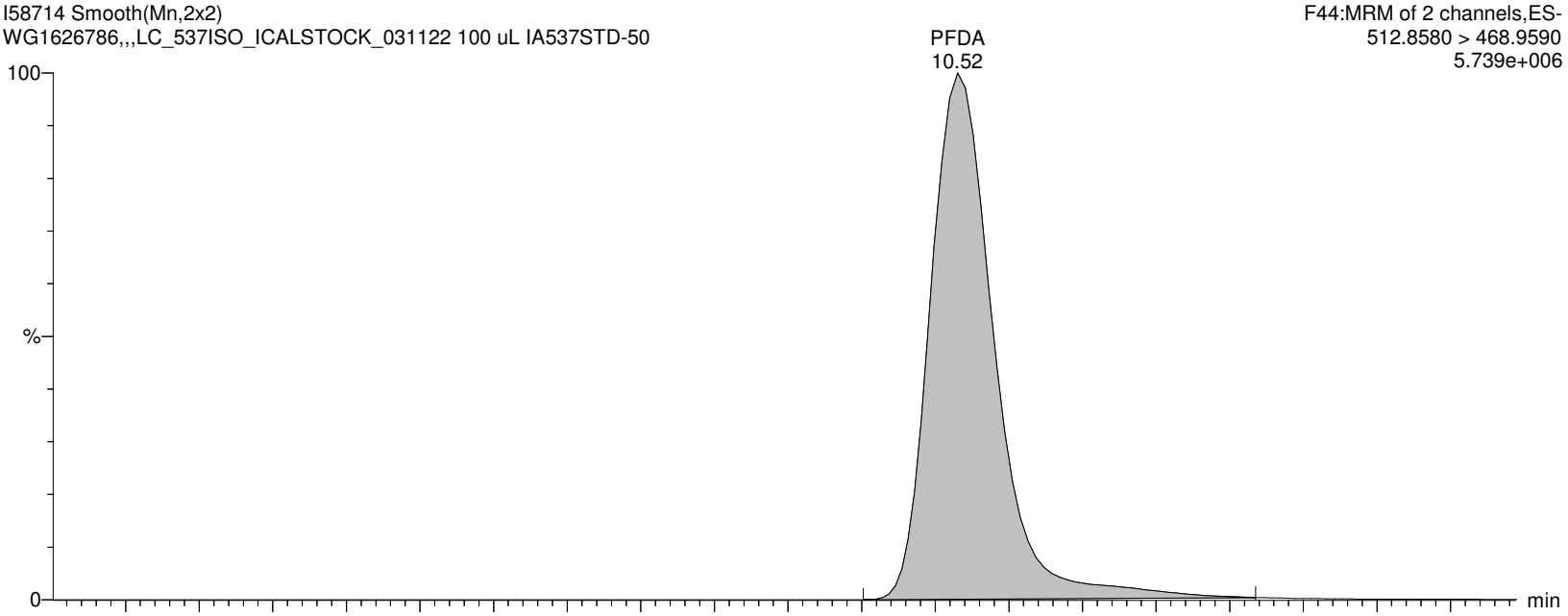


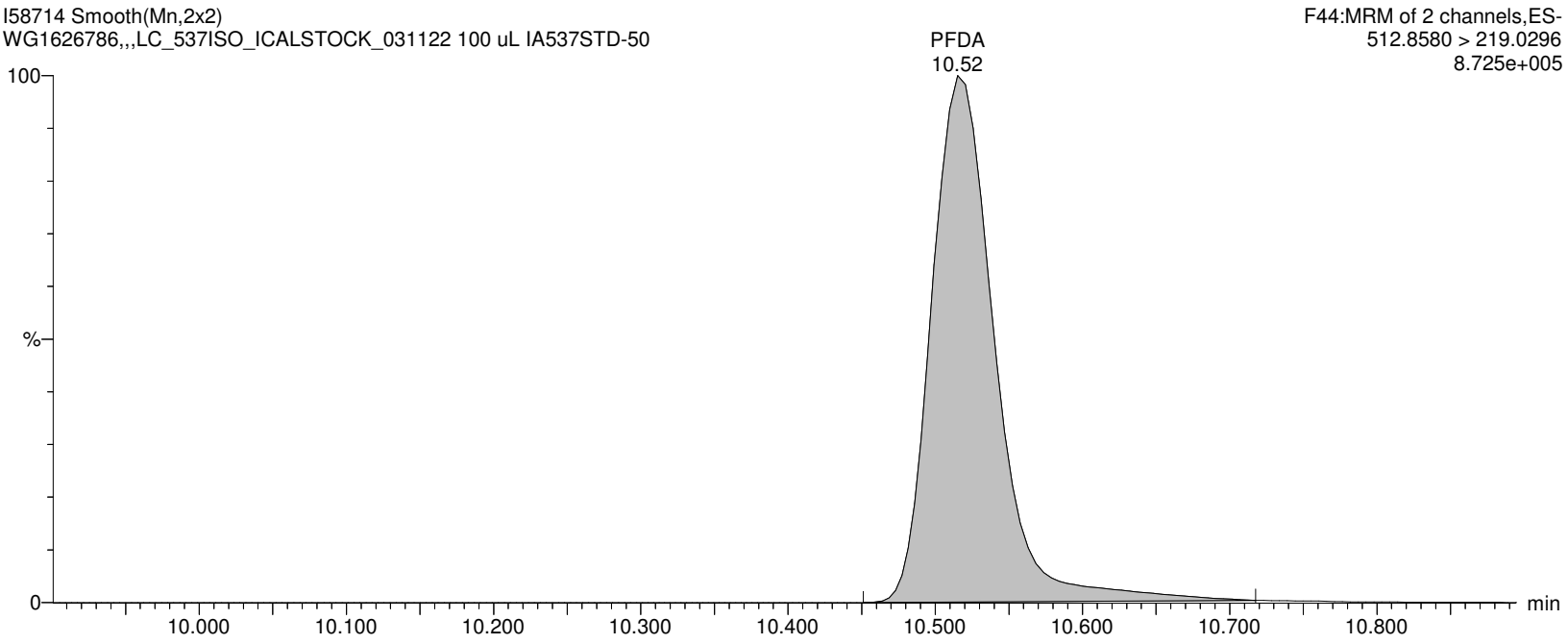
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFDA



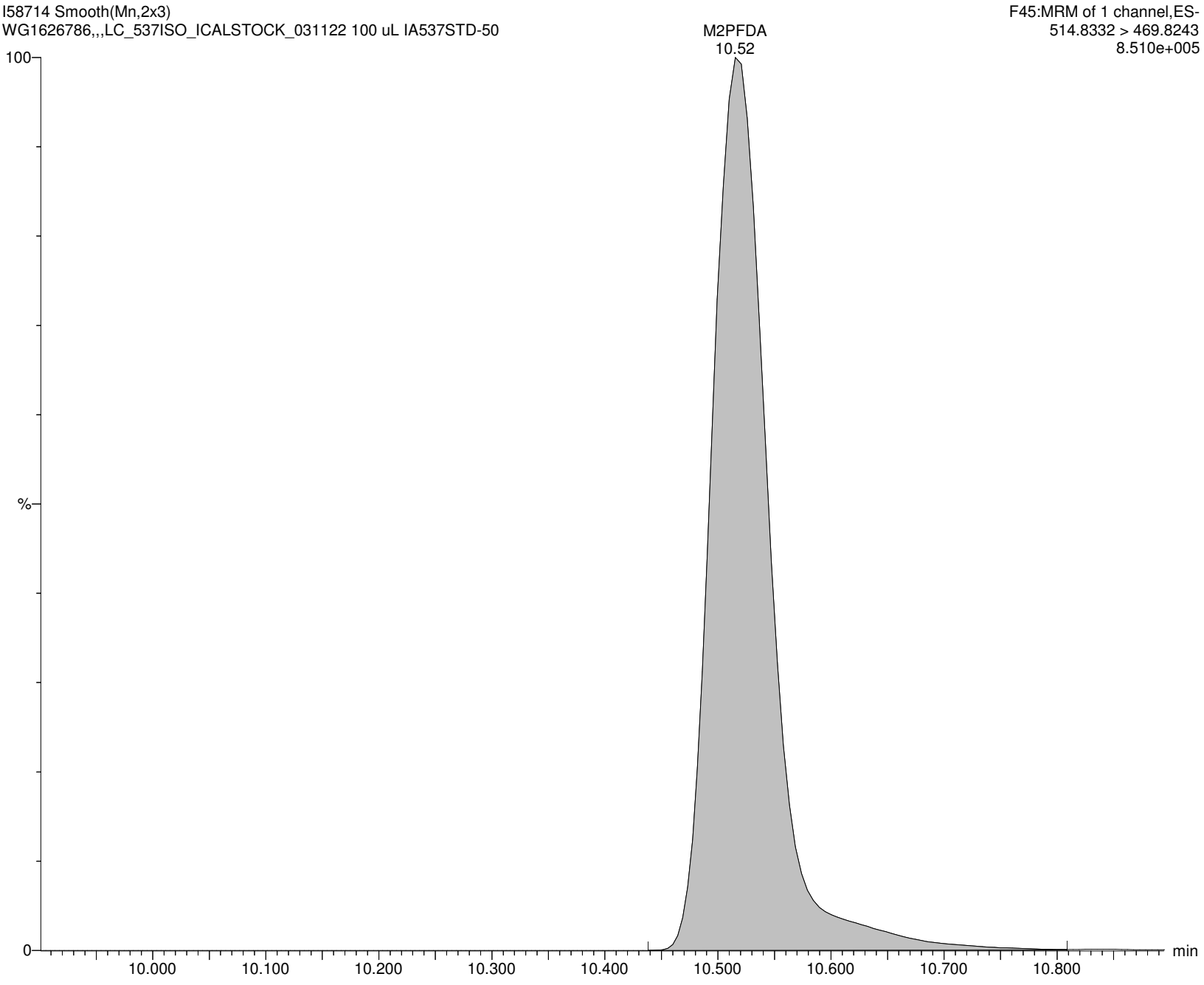


all concentration units in (ng/mL)

Alpha Analytical Inc.
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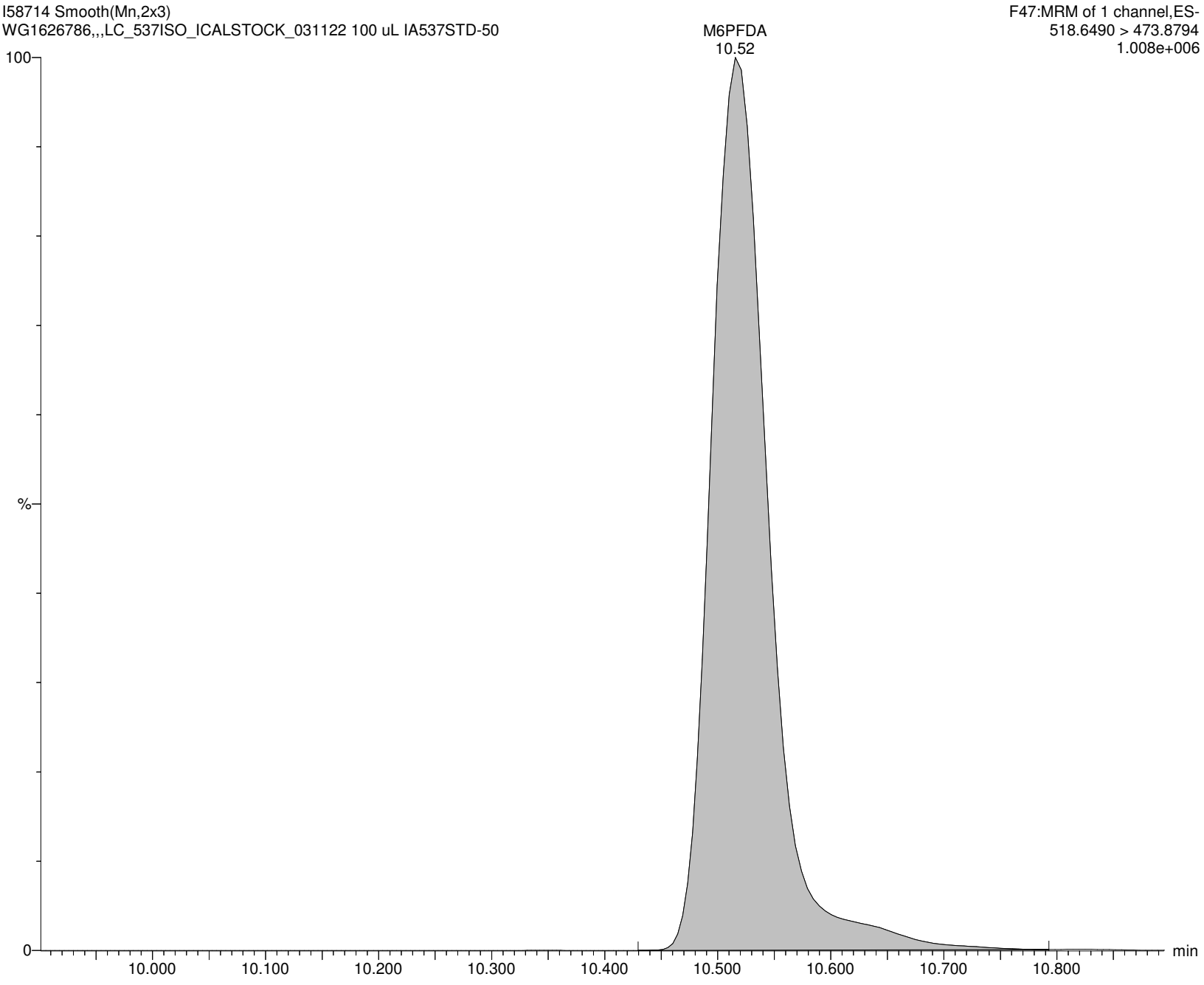


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M6PFDA

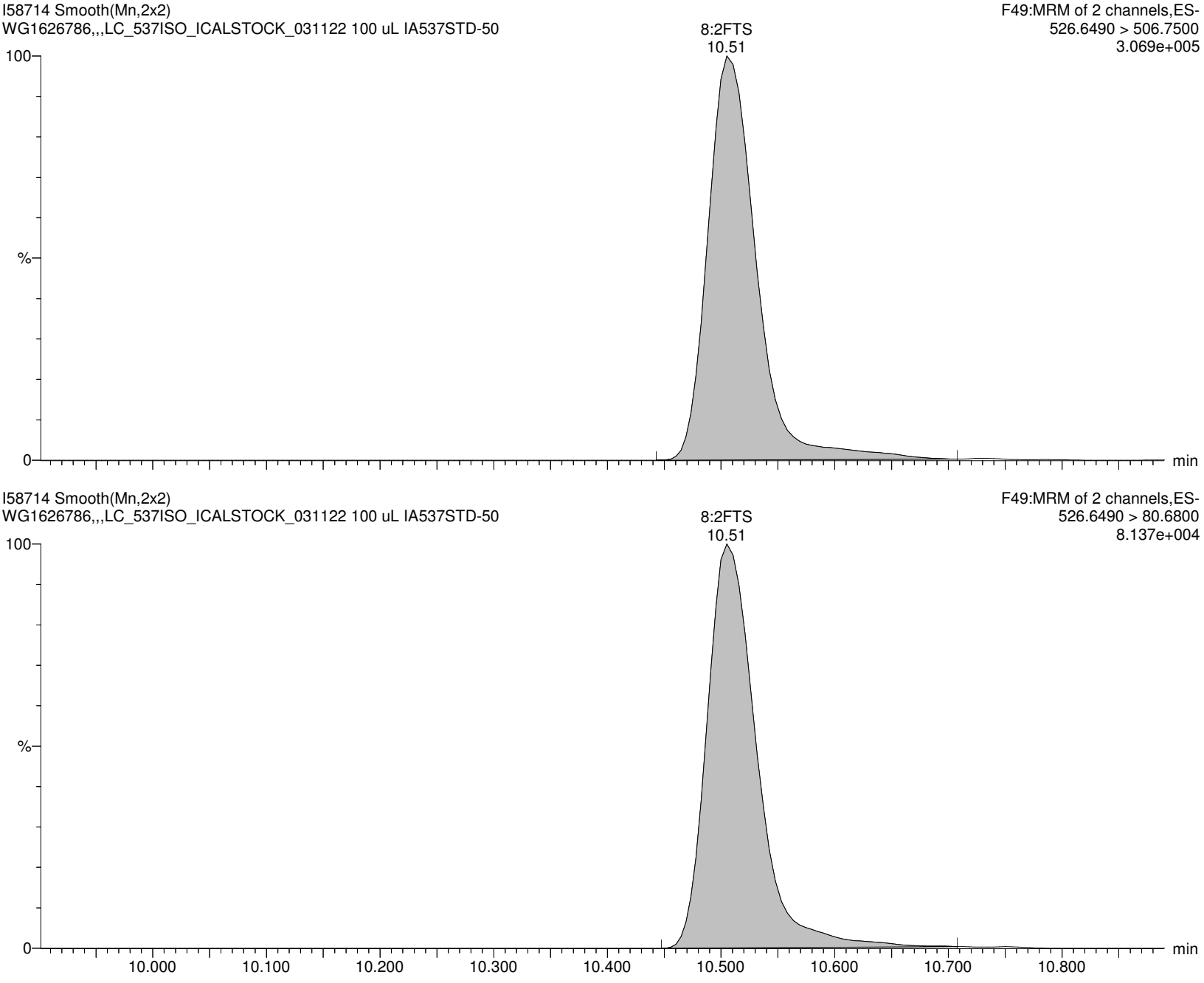


all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS

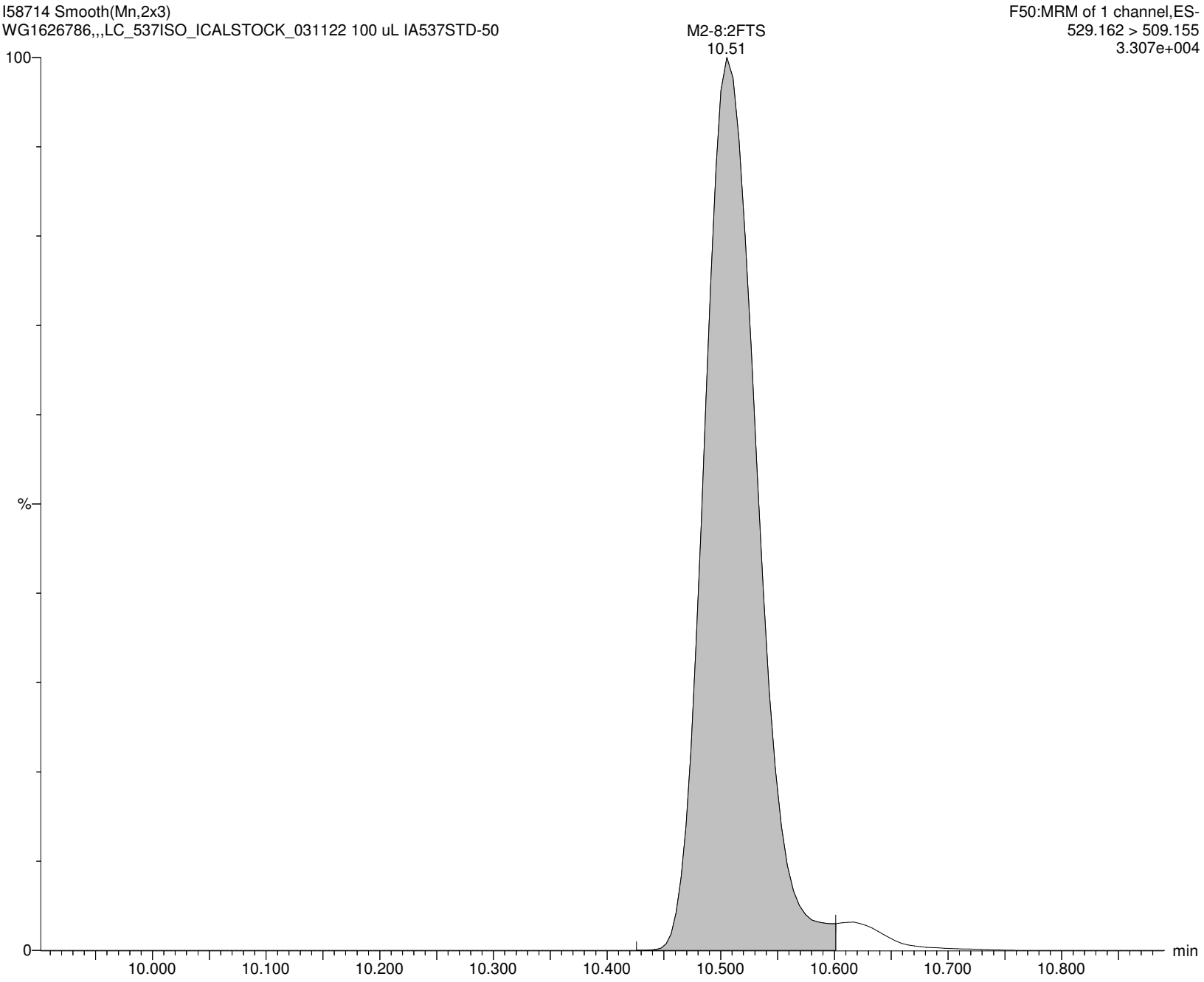


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:A,8
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M2-8:2FTS

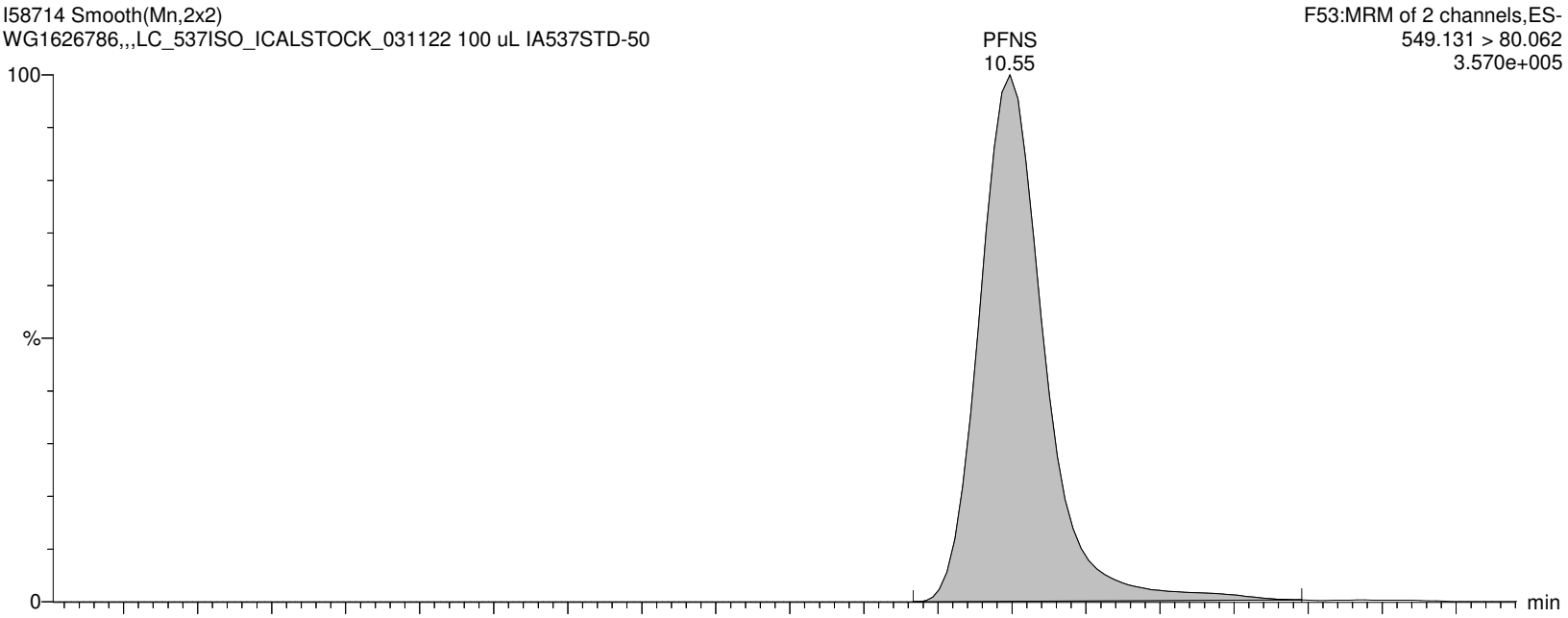


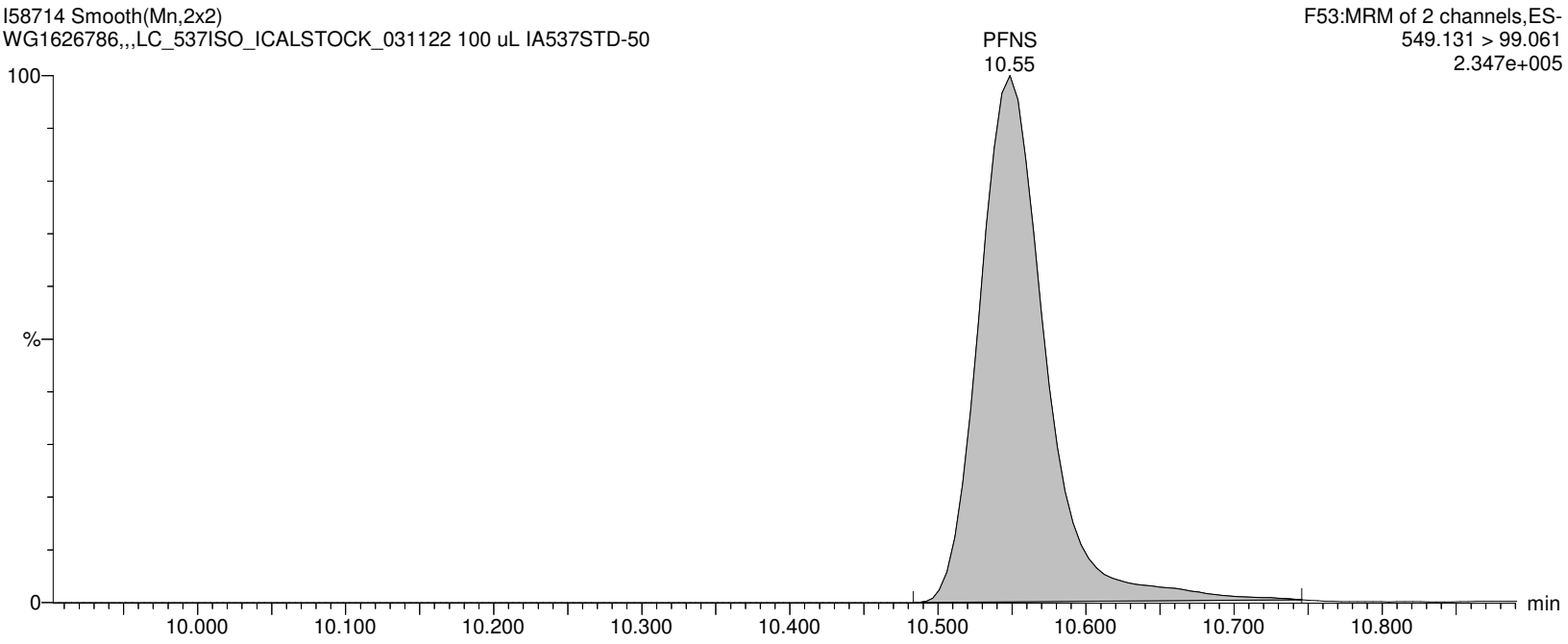
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:A,8
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PFNS



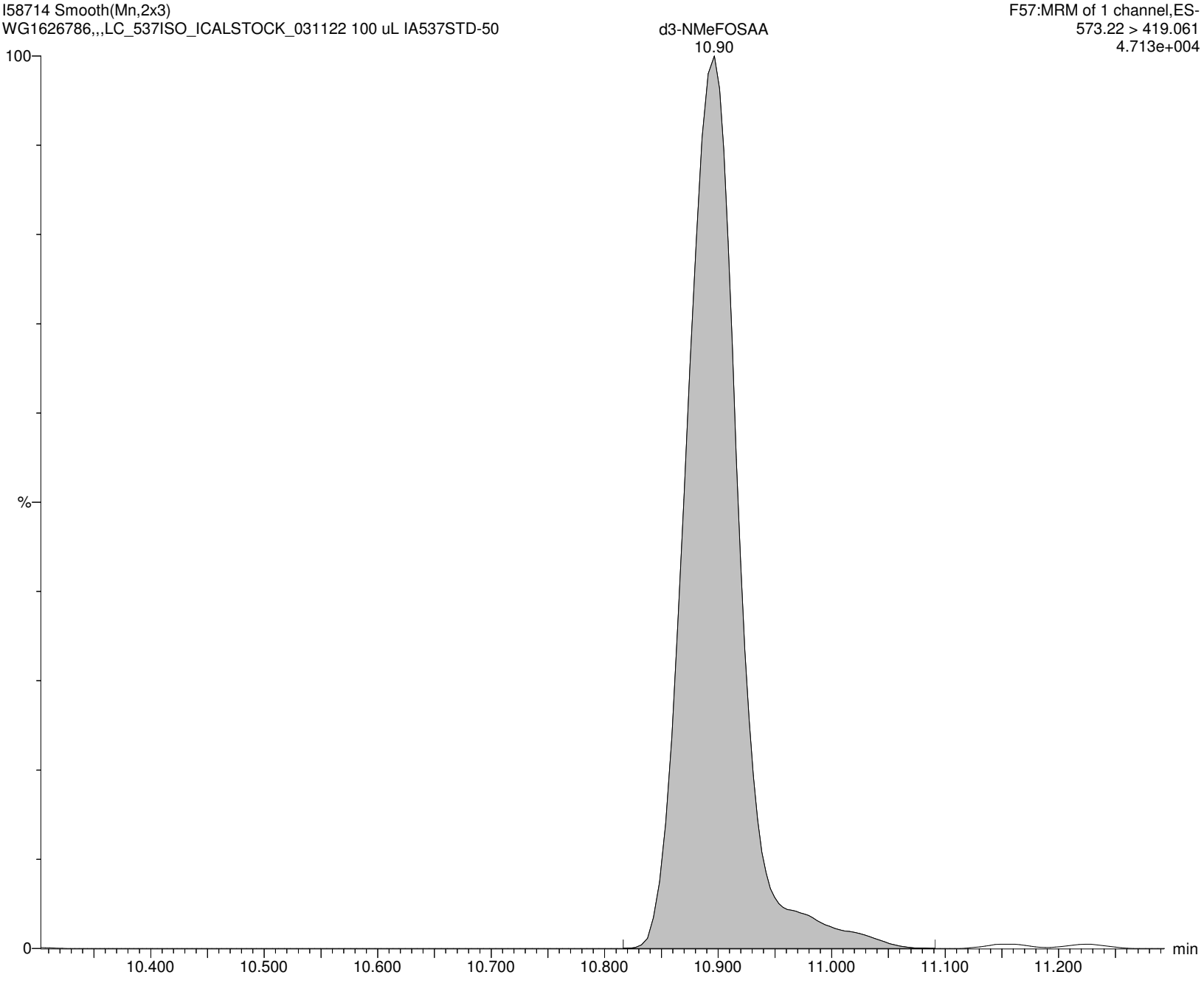


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:A,8
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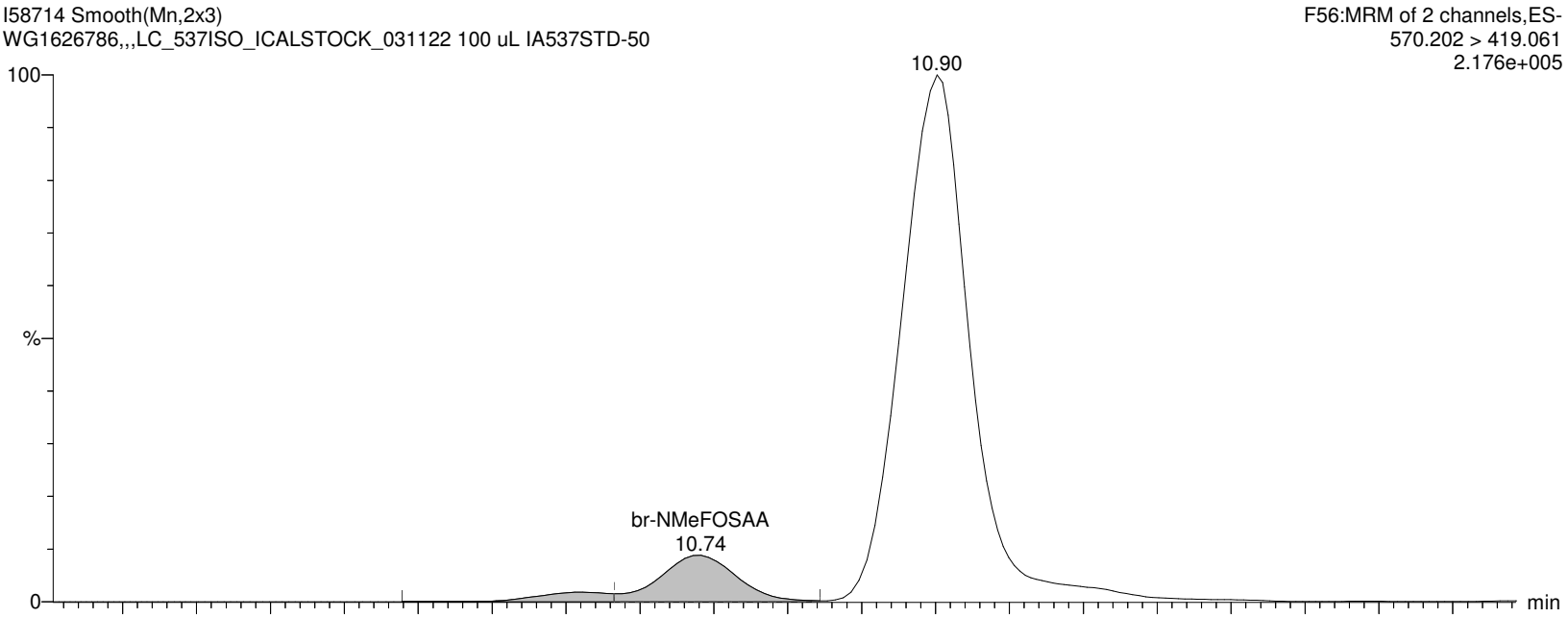


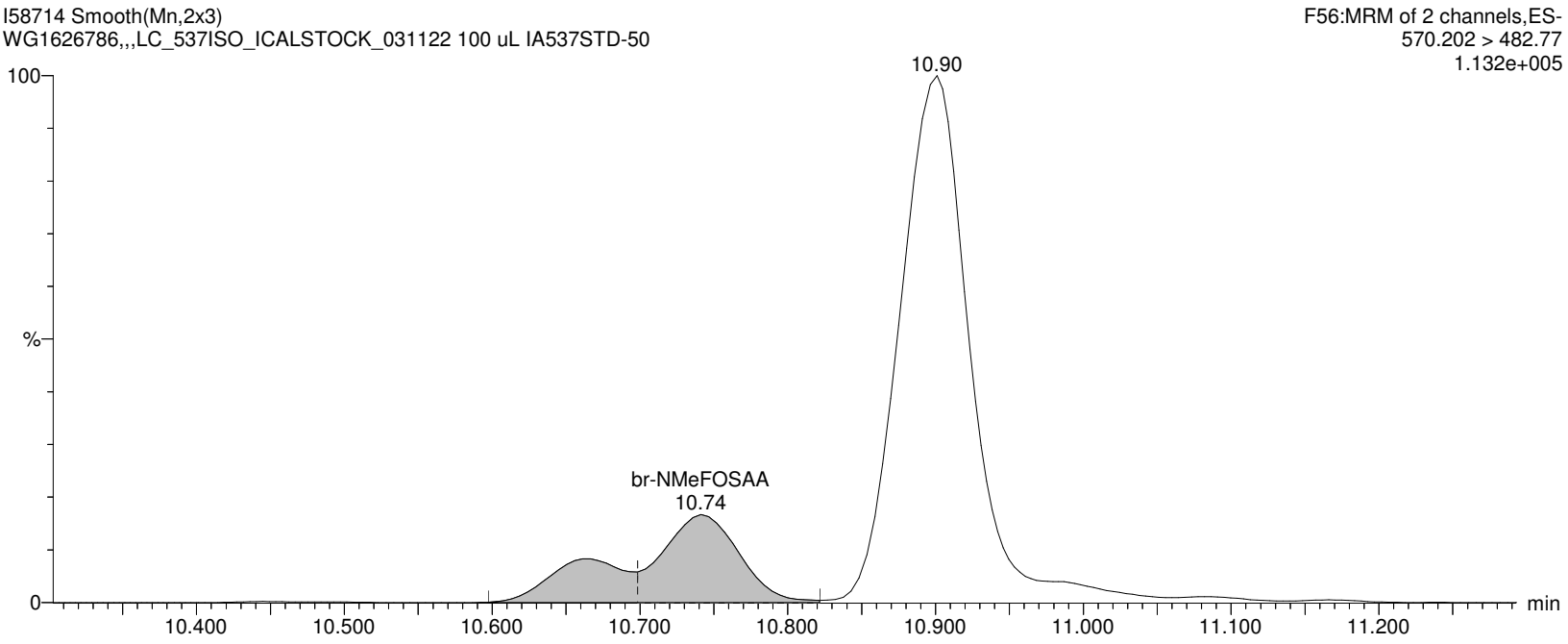
all concentration units in (ng/mL)

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Time: 17:56:03
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br-NMeFOSAA



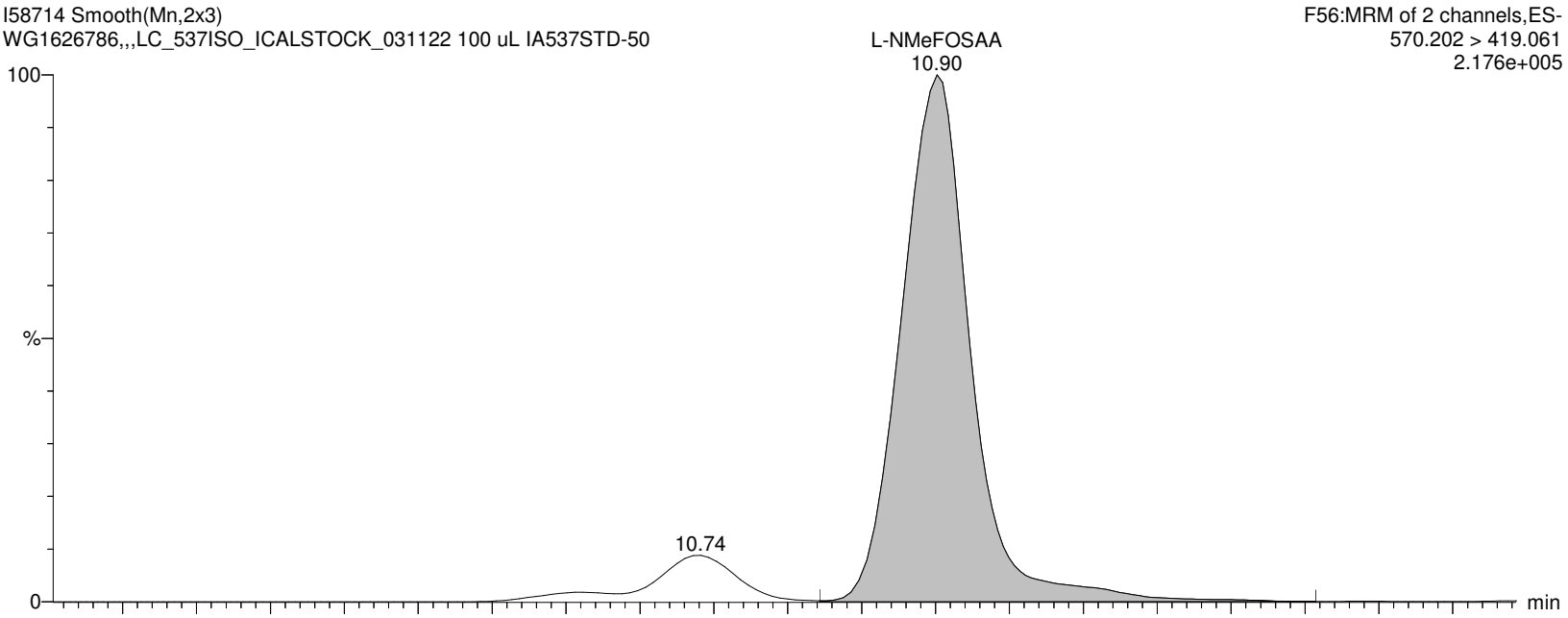


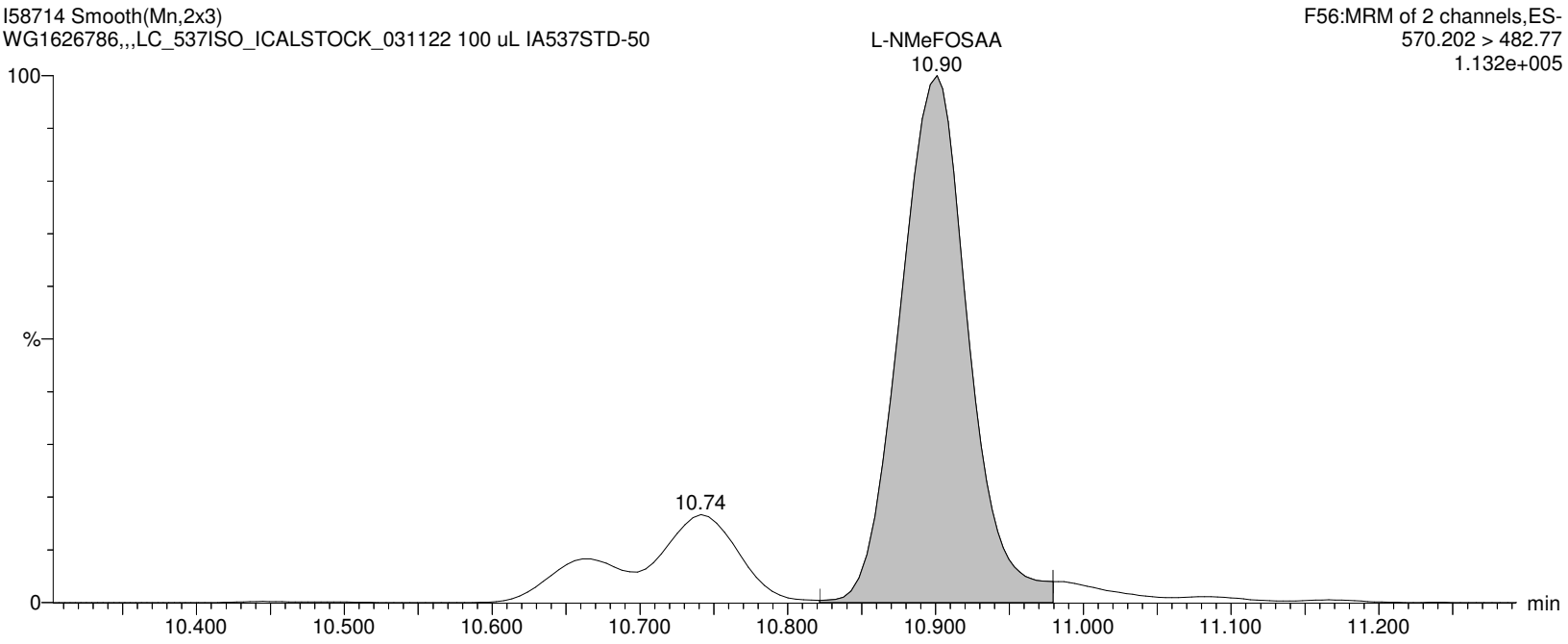
all concentration units in (ng/mL)

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L-NMeFOSAA



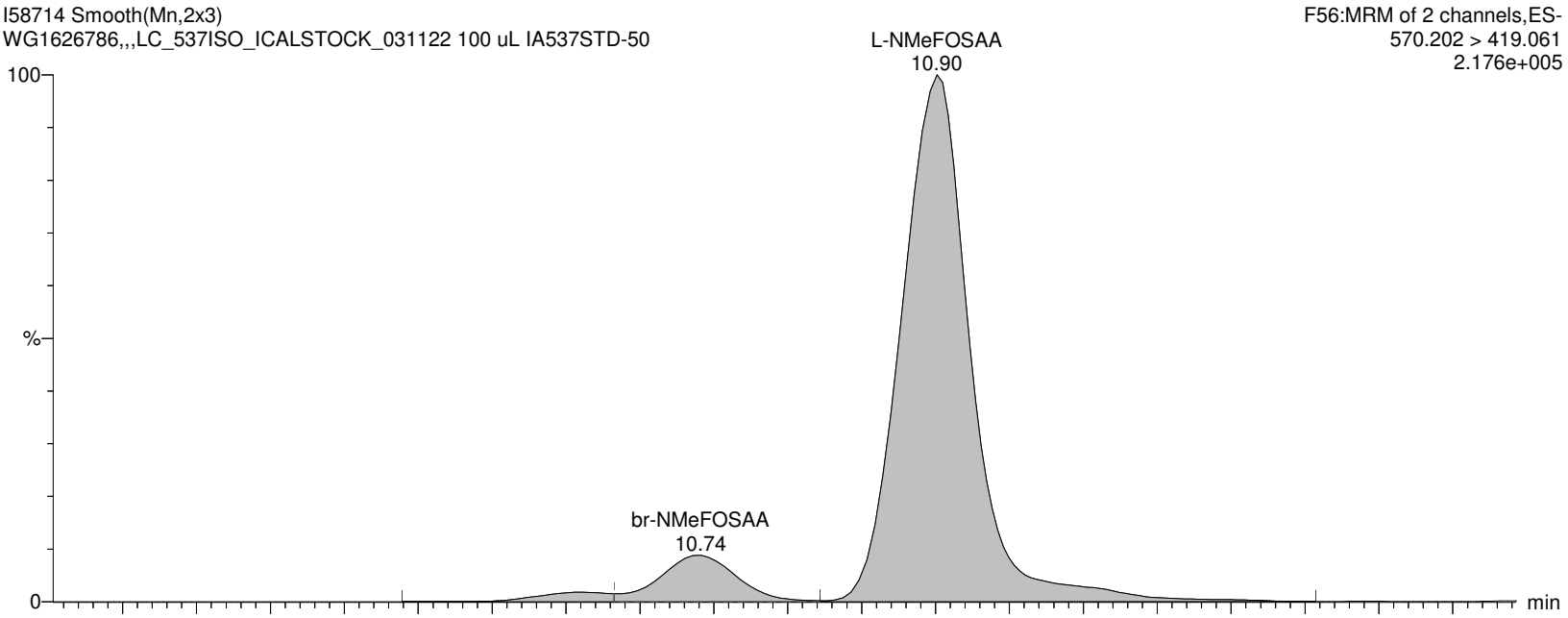


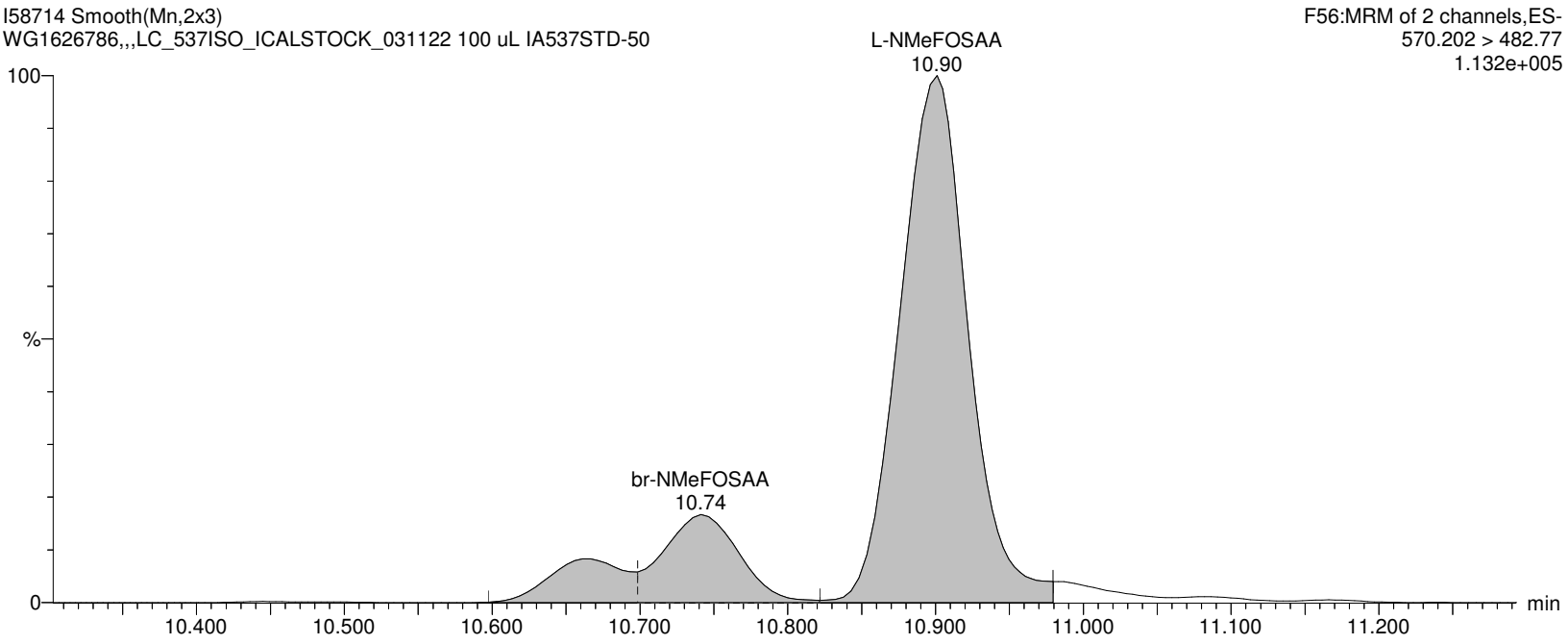
all concentration units in (ng/mL)

Alpha Analytical Inc.
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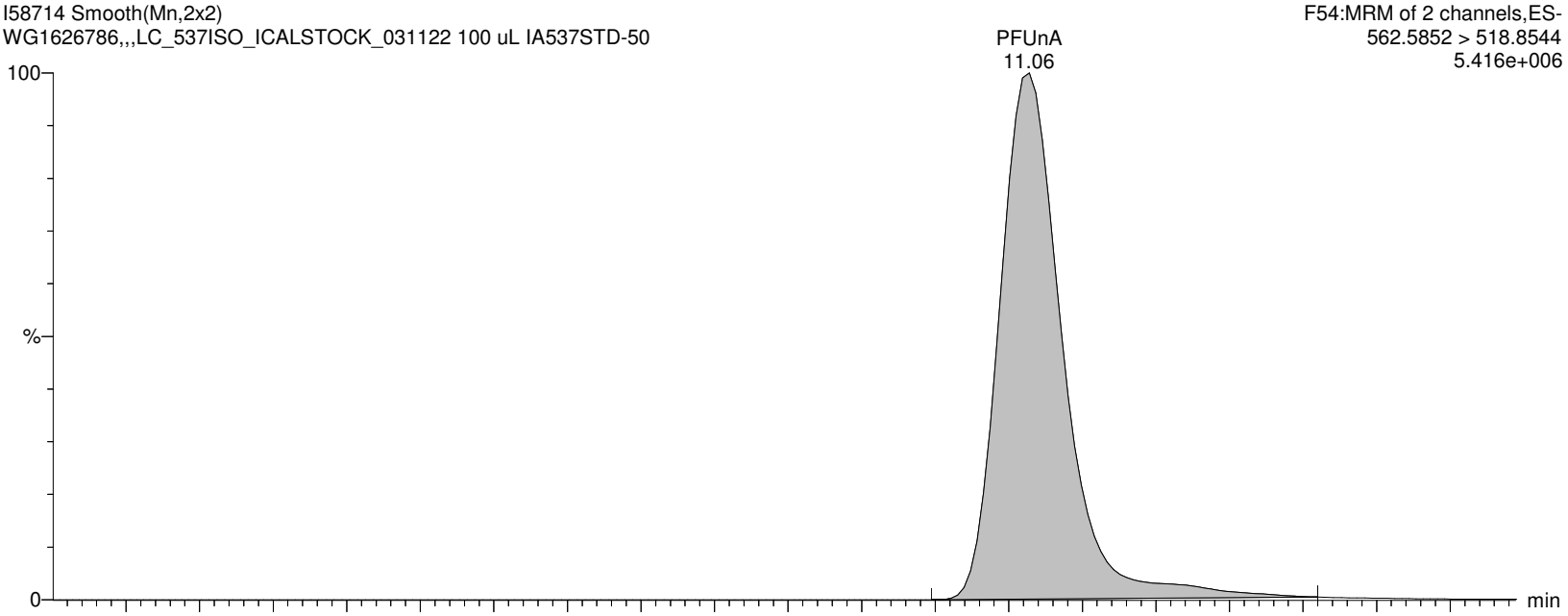


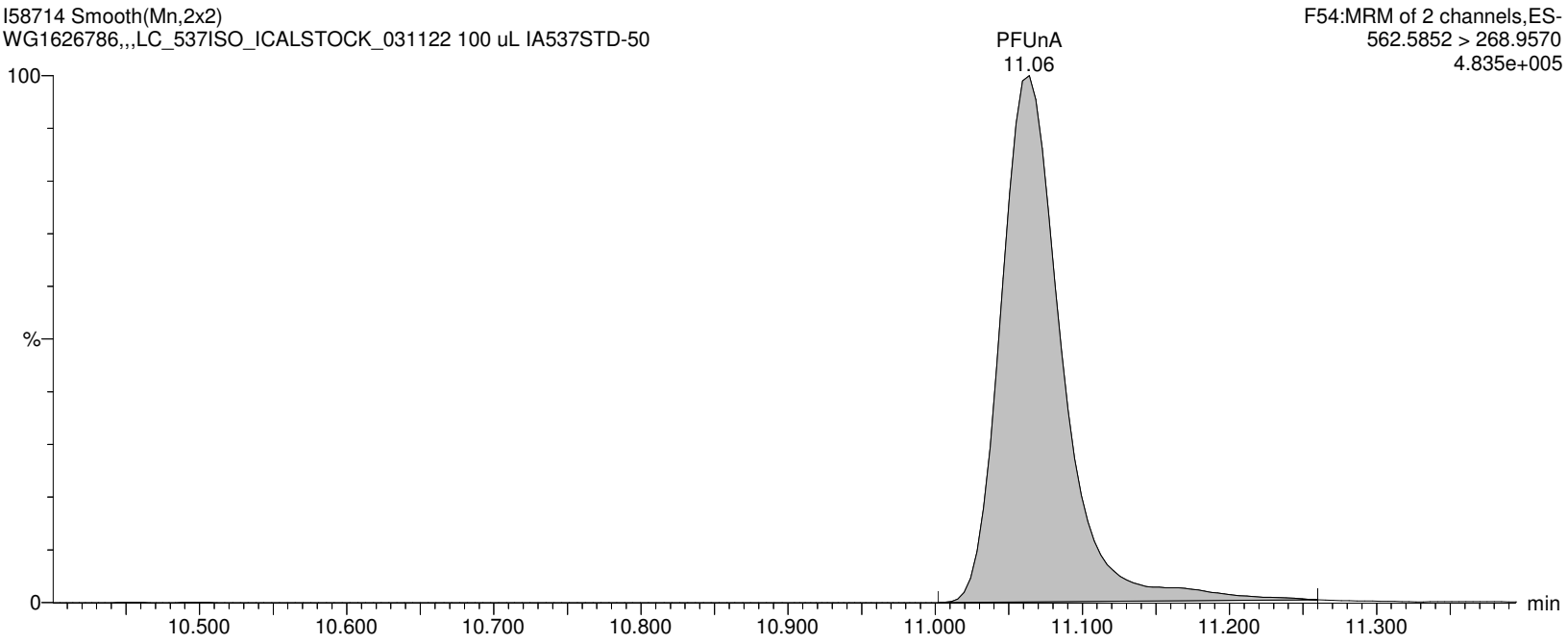
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFUnA



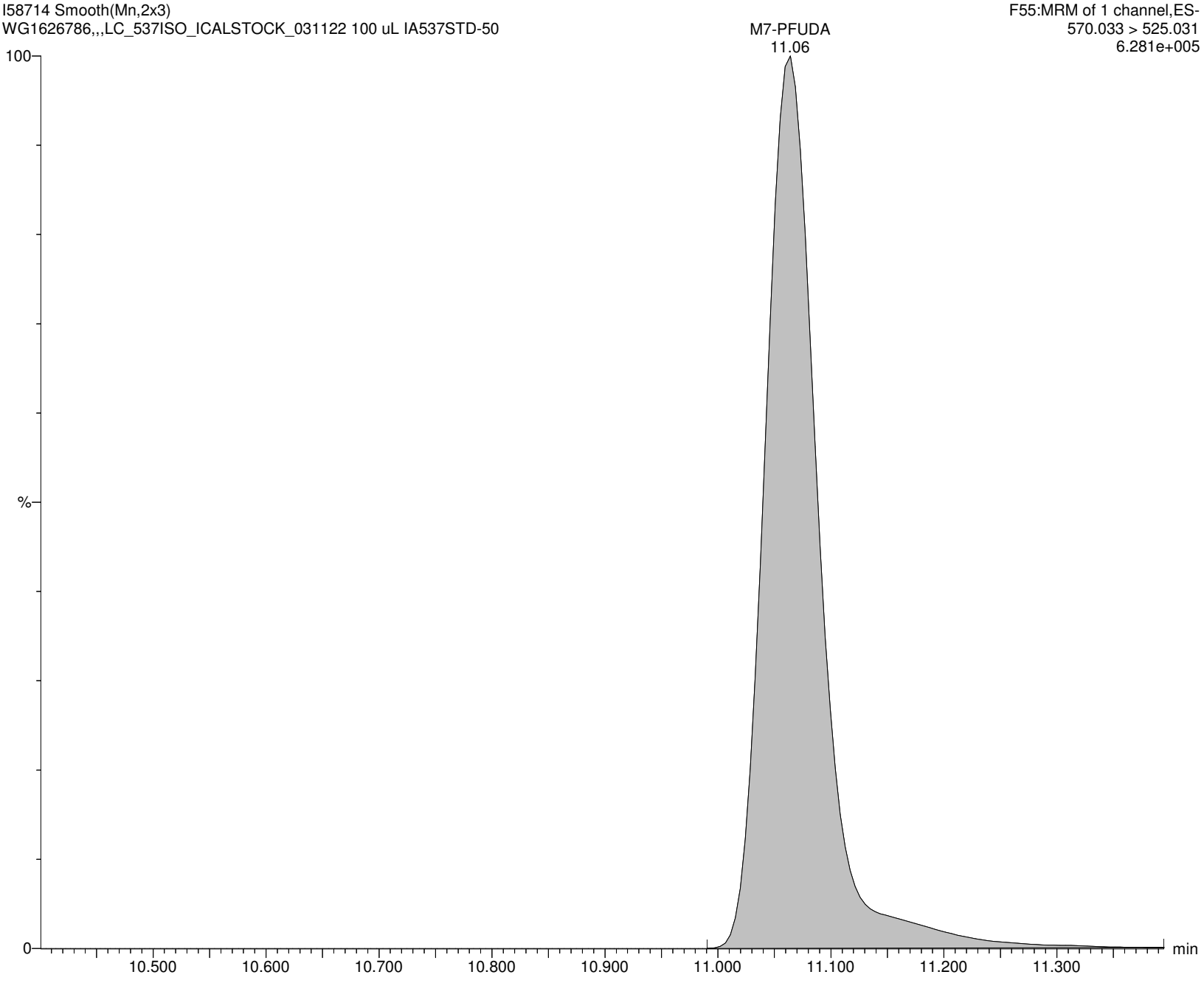


all concentration units in (ng/mL)

Alpha Analytical Inc.
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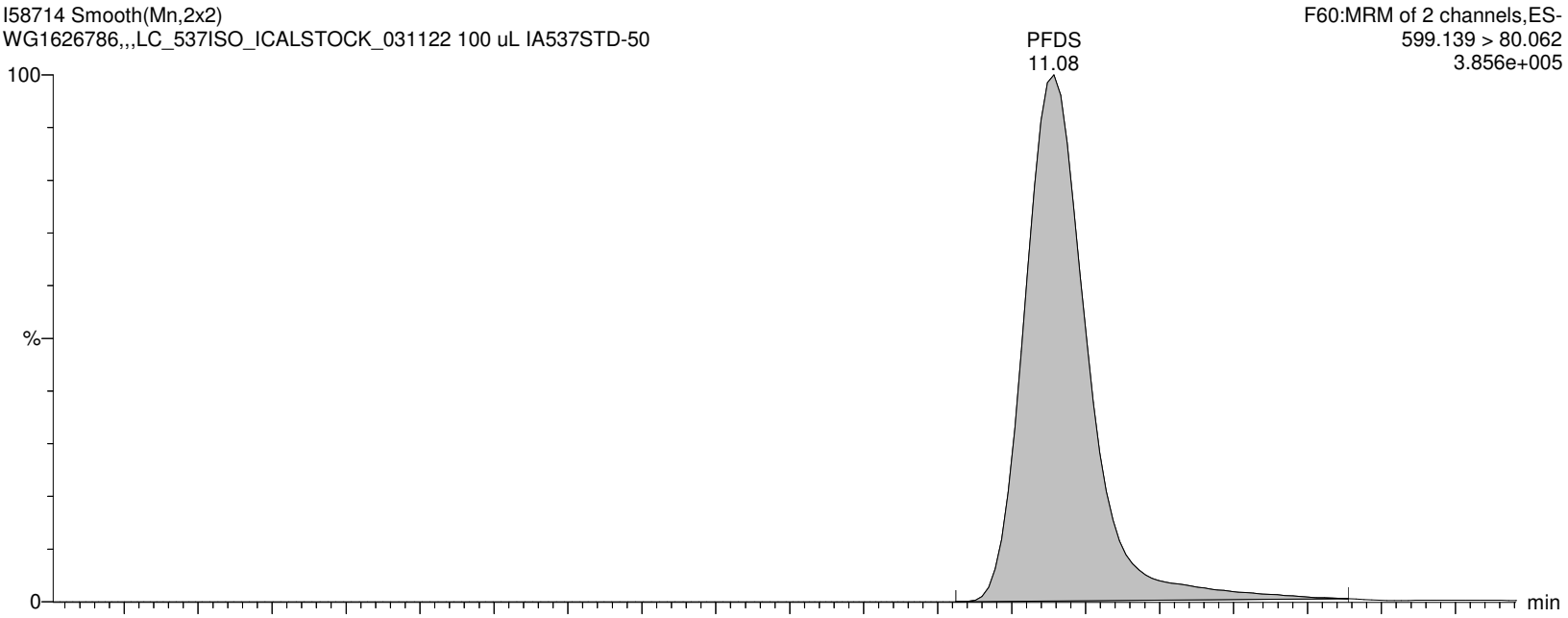


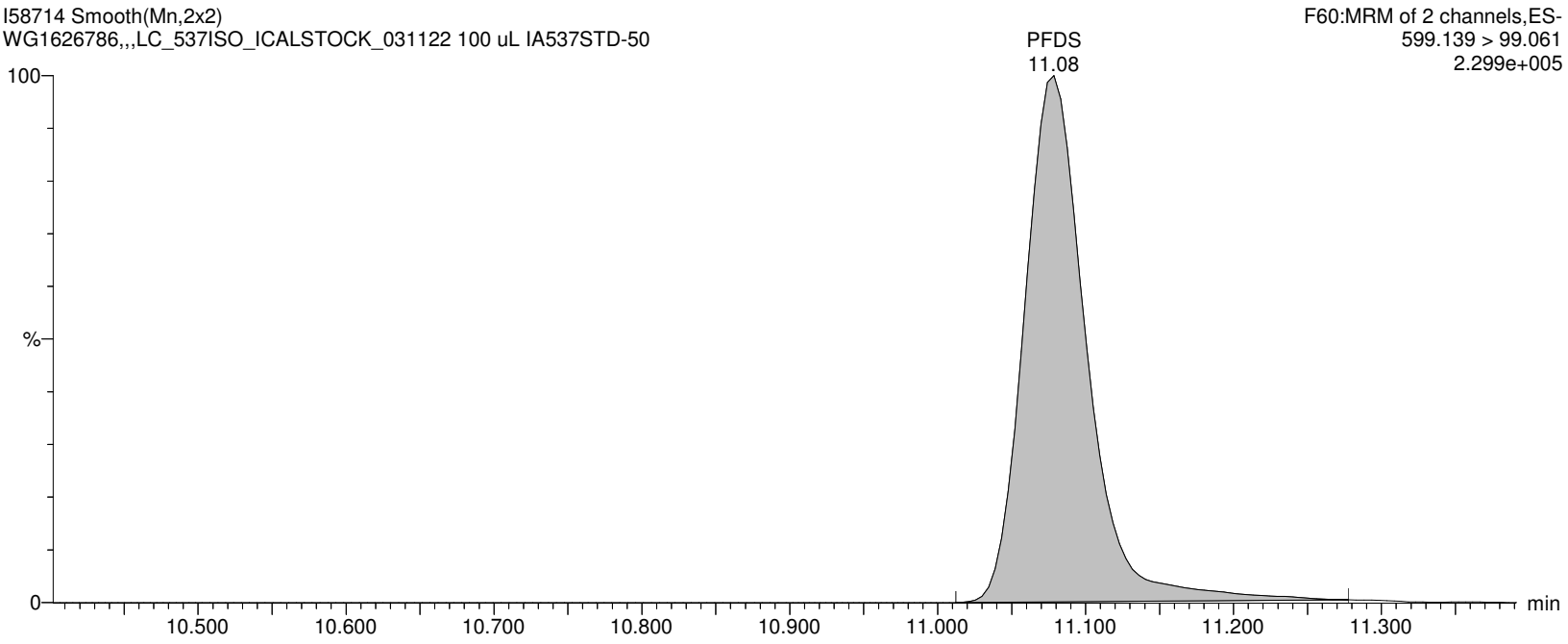
all concentration units in (ng/mL)

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PFDS



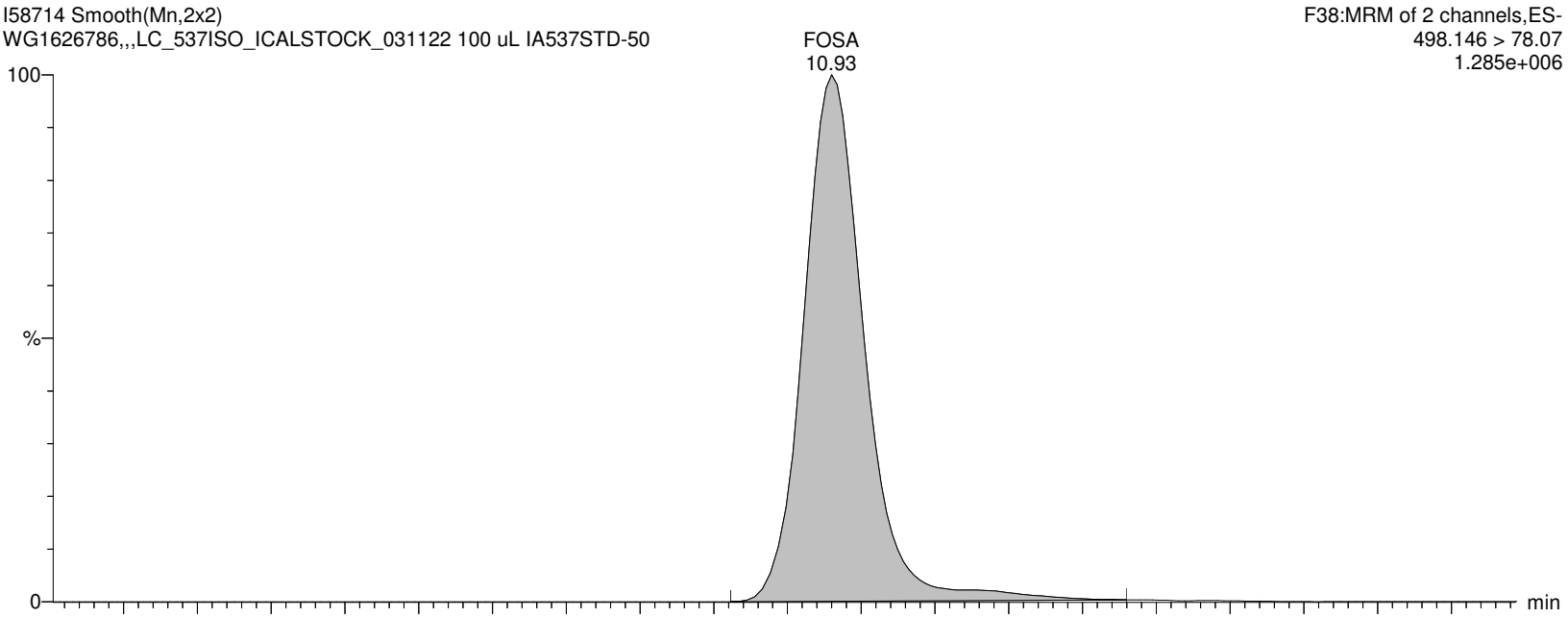


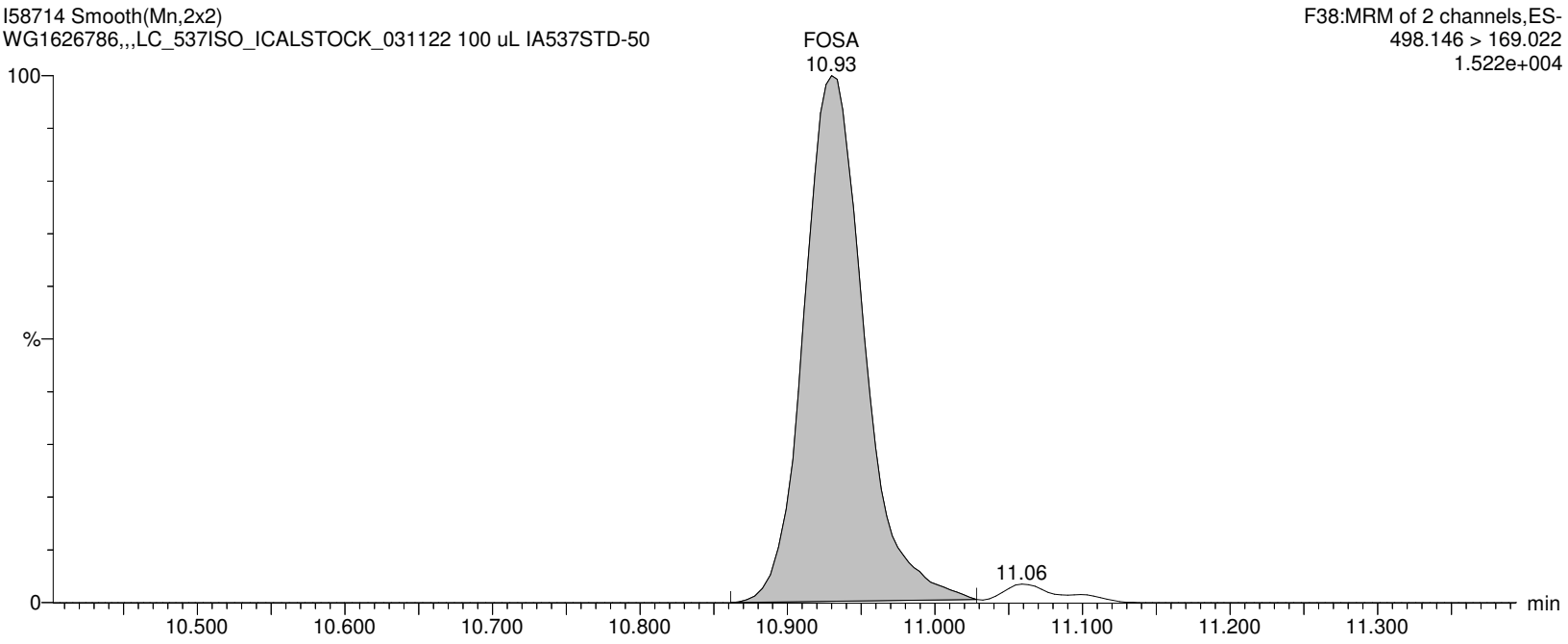
all concentration units in (ng/mL)

Alpha Analytical Inc.
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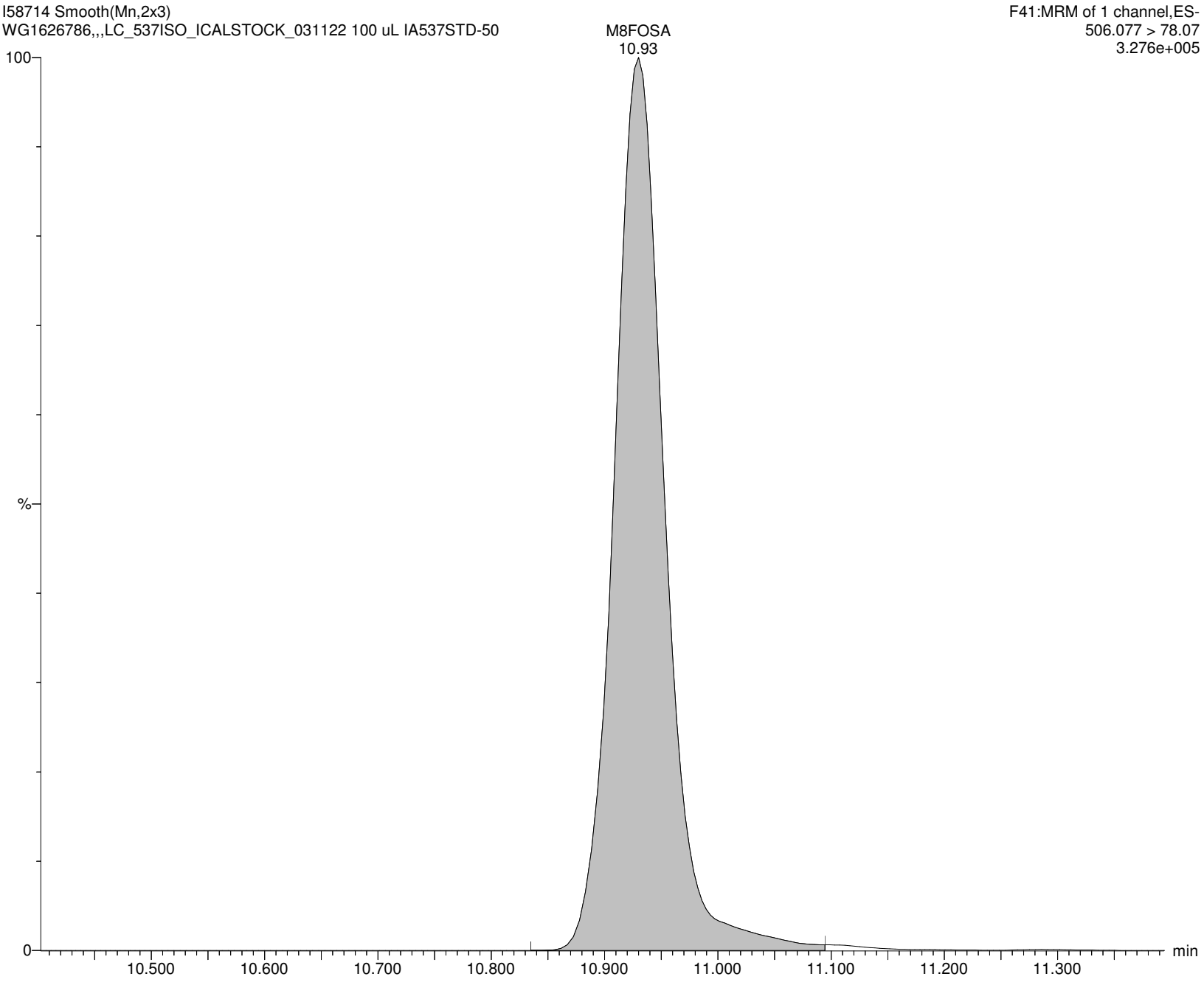


all concentration units in (ng/mL)

Alpha Analytical Inc.
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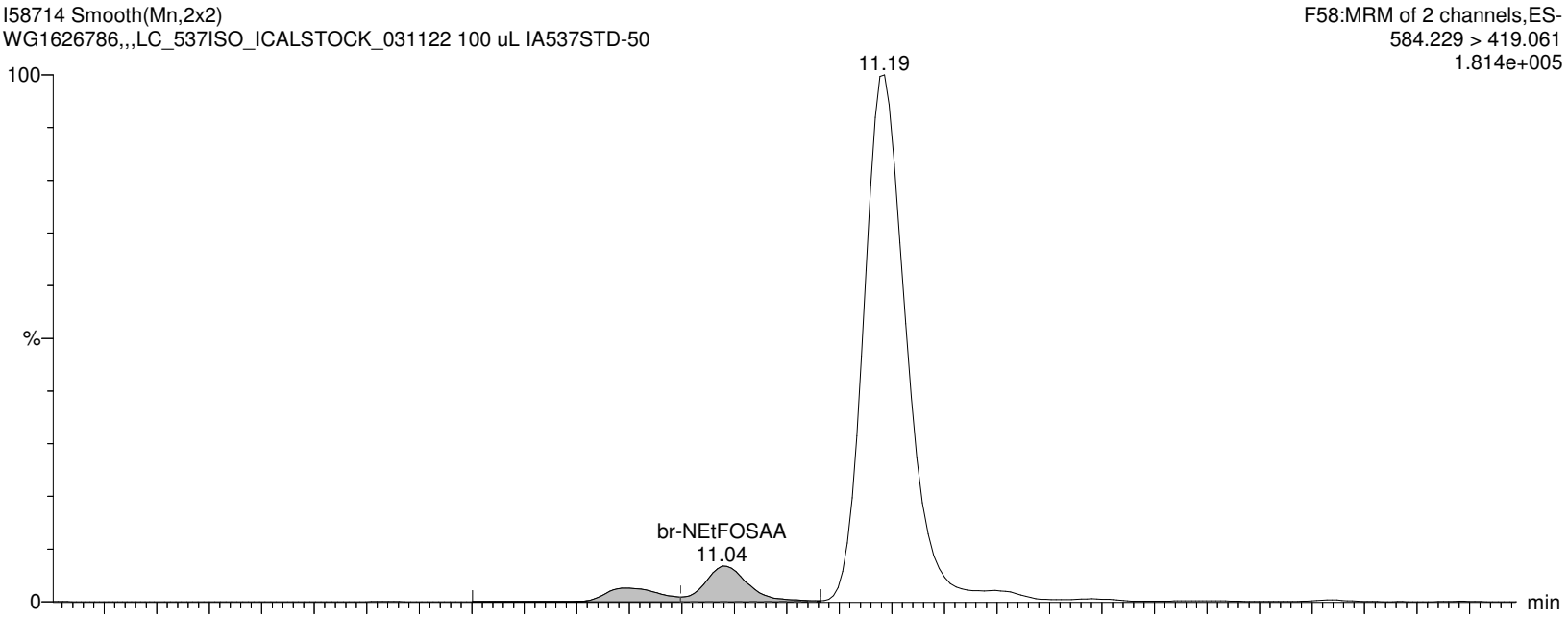


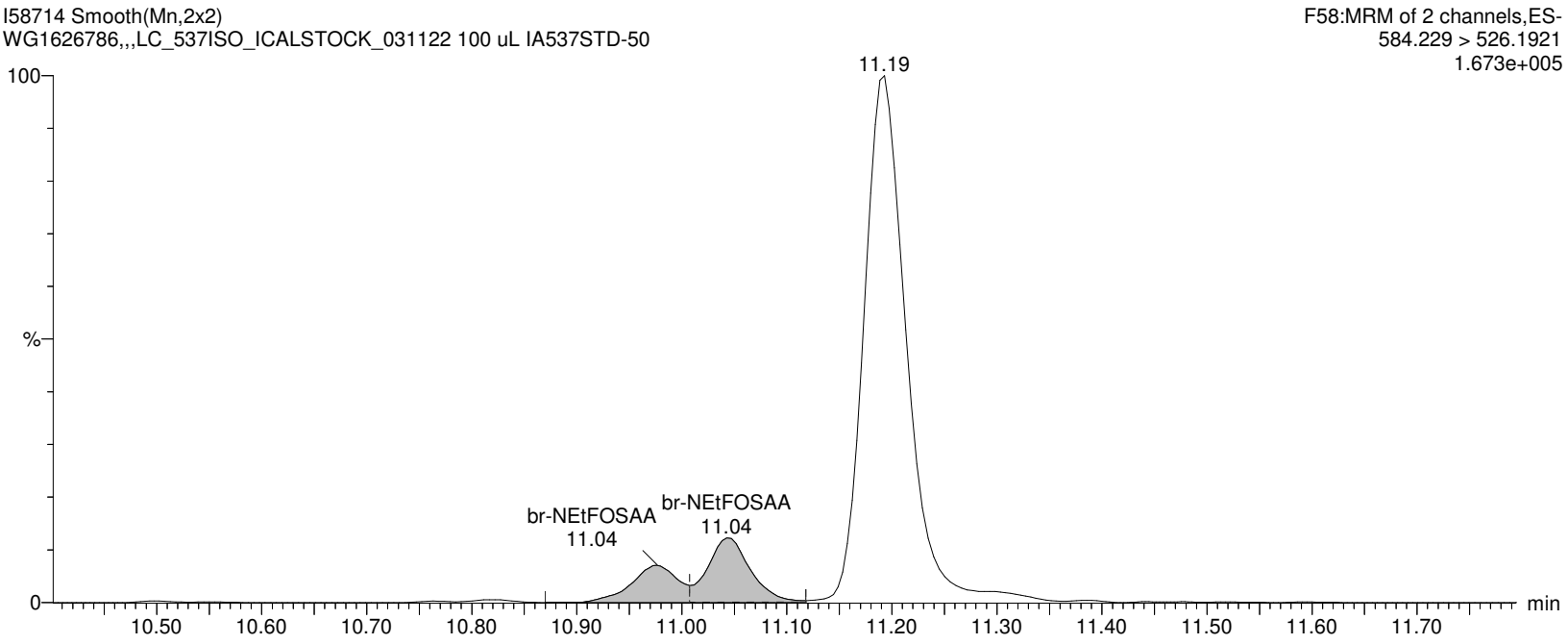
all concentration units in (ng/mL)

Alpha Analytical Inc.
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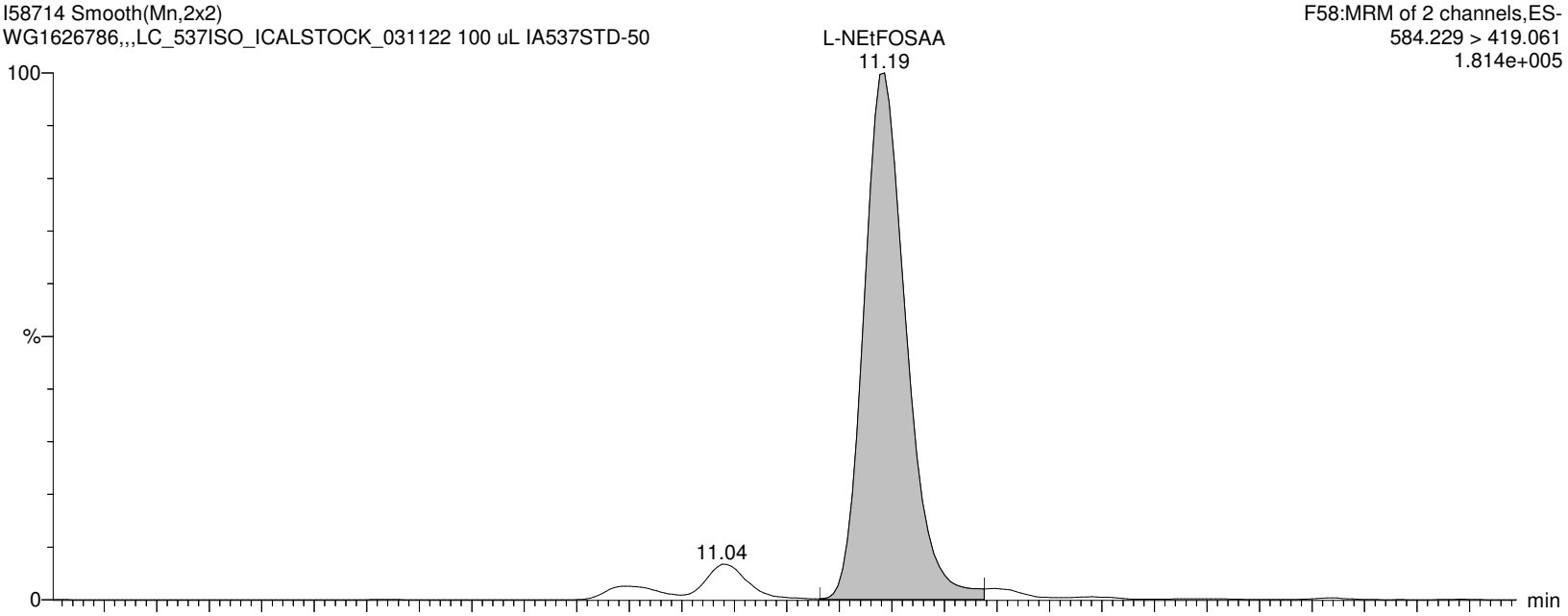


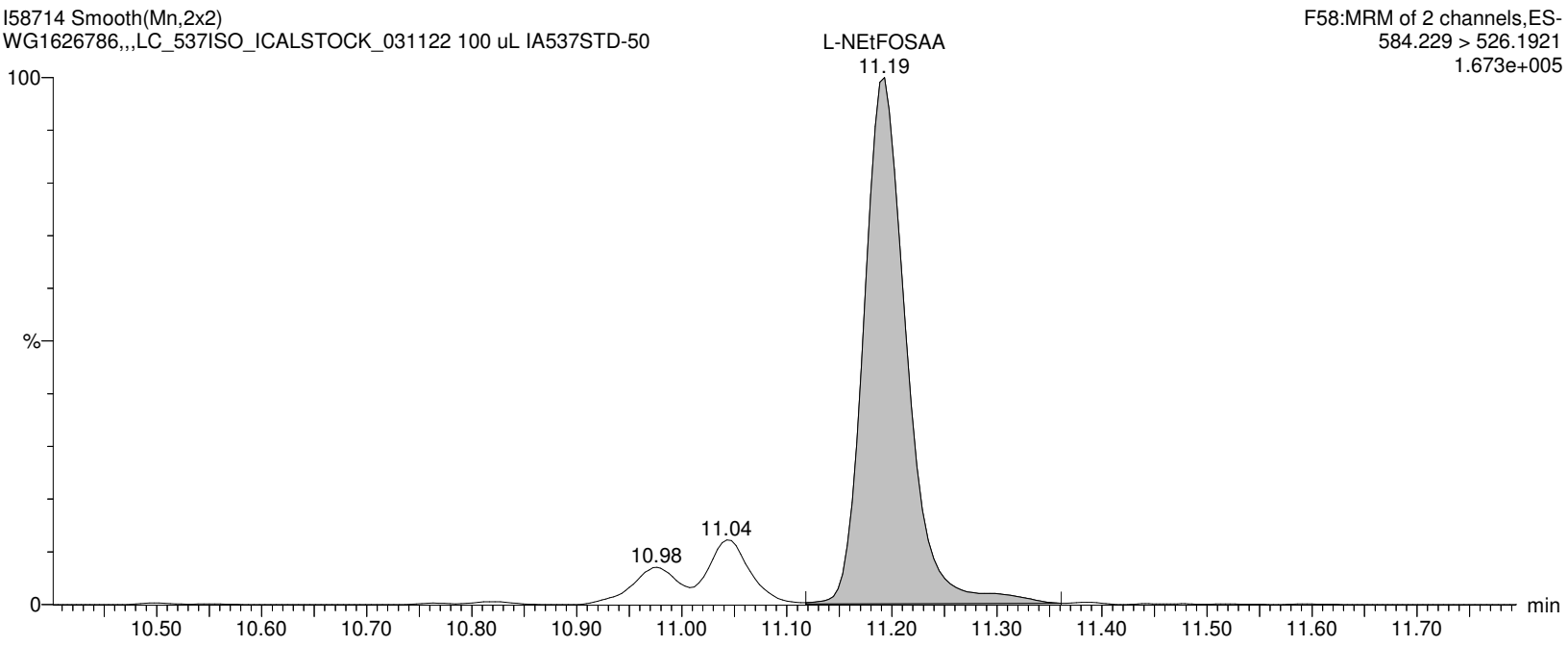
all concentration units in (ng/mL)

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L-NEtFOSAA



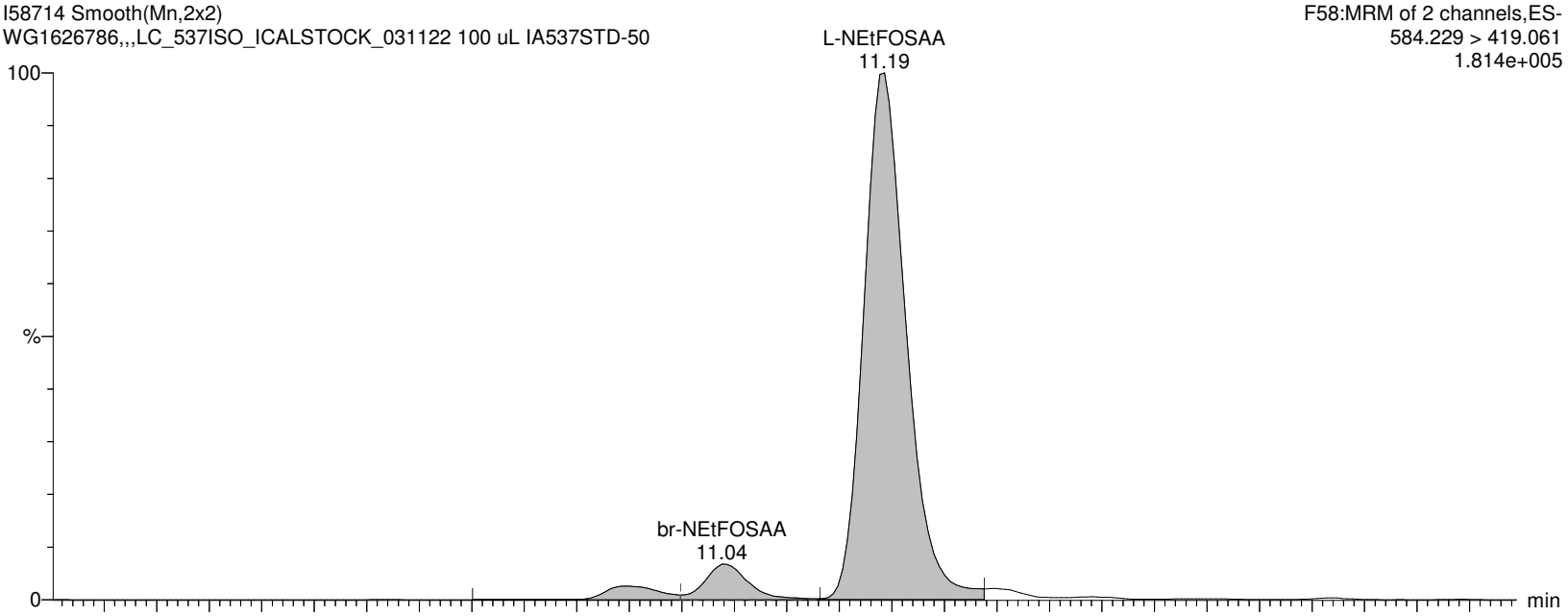


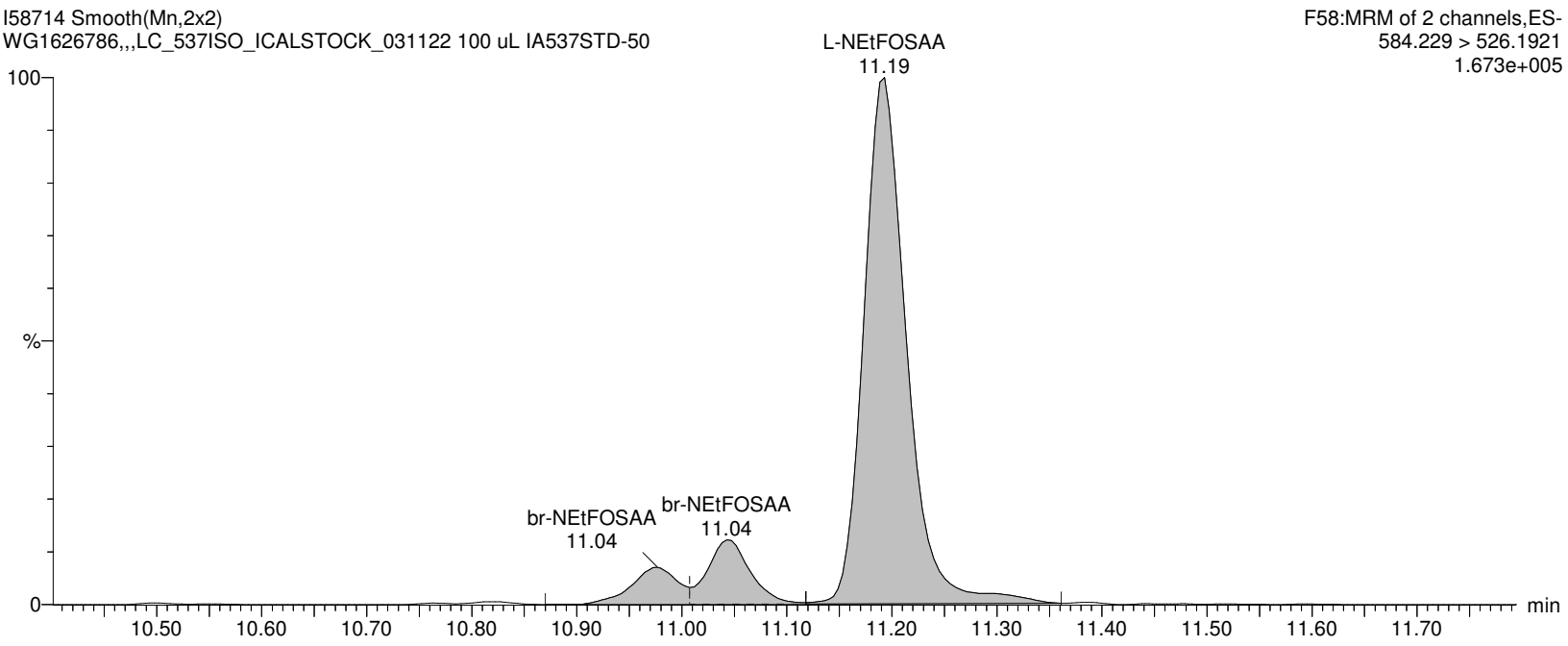
all concentration units in (ng/mL)

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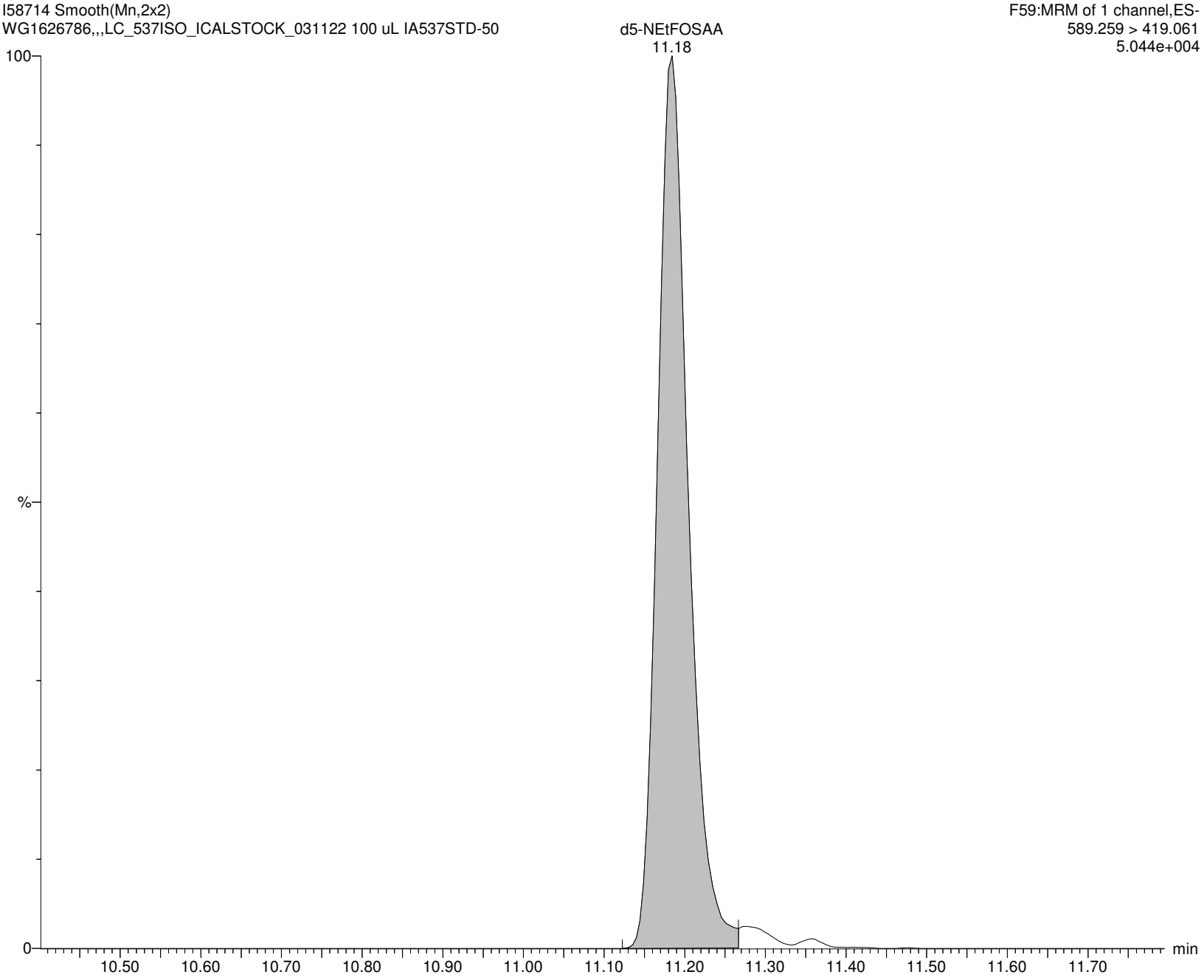


all concentration units in (ng/mL)

Alpha Analytical Inc.
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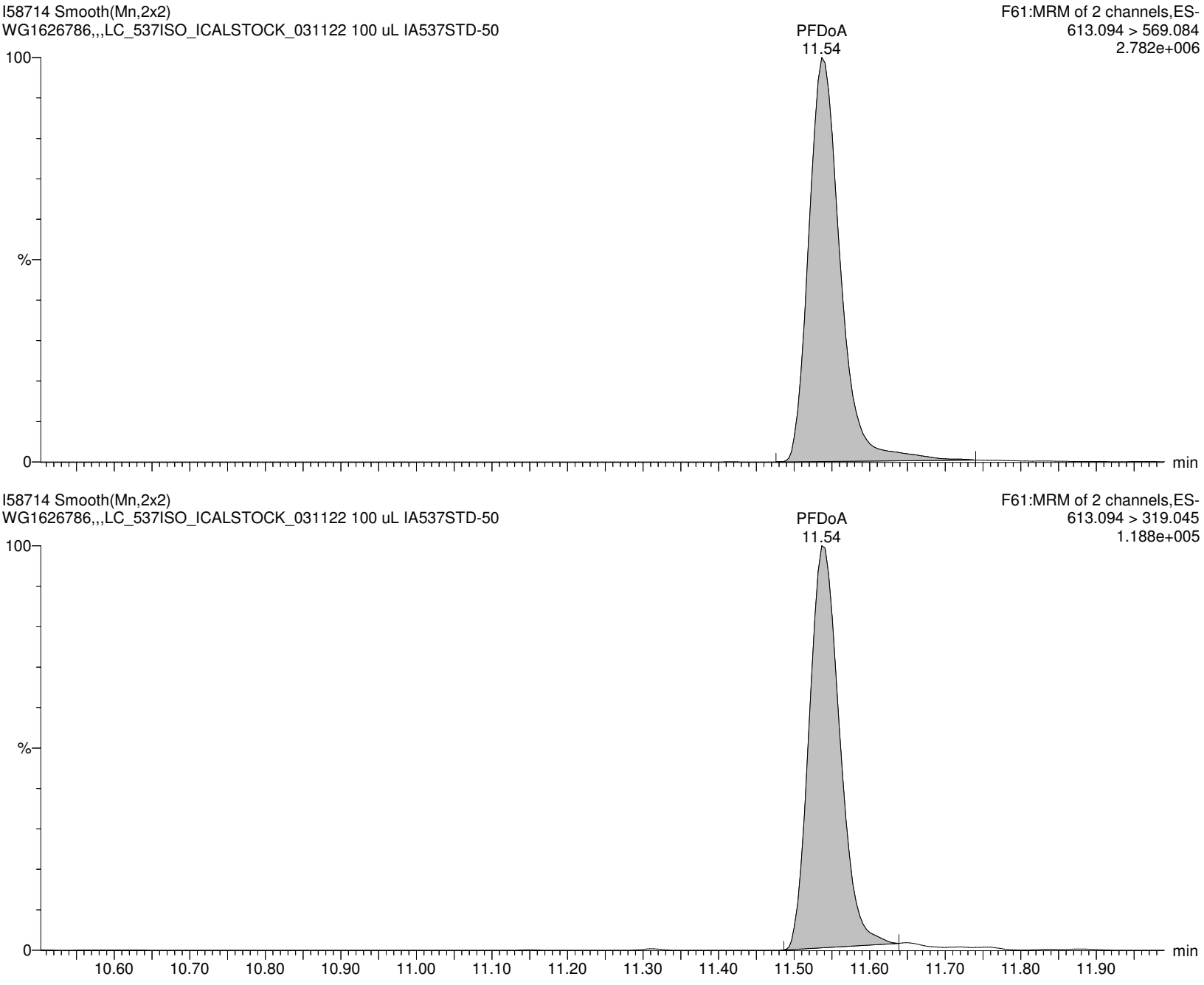


all concentration units in (ng/mL)

Alpha Analytical Inc.
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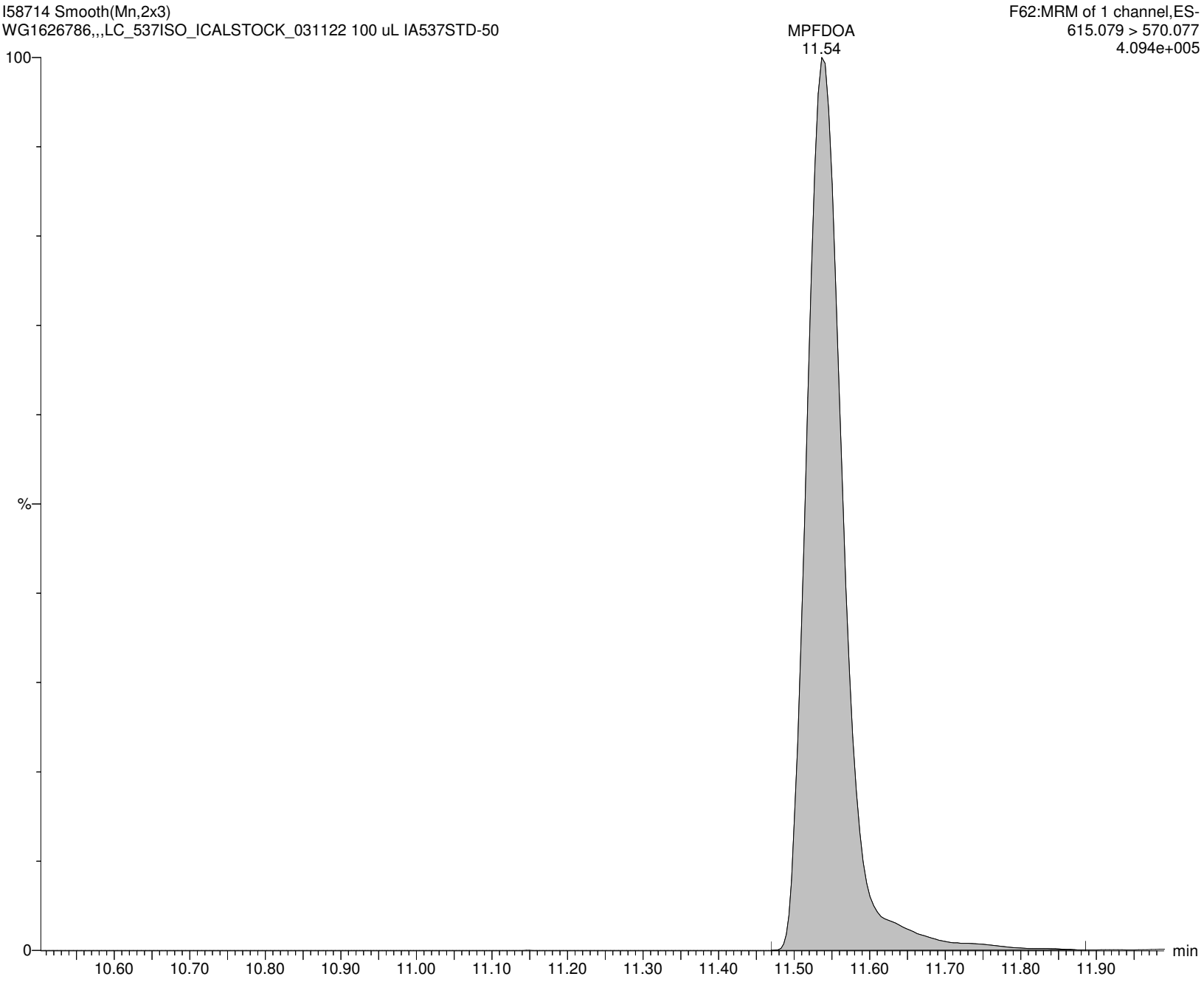


all concentration units in (ng/mL)

Alpha Analytical Inc.
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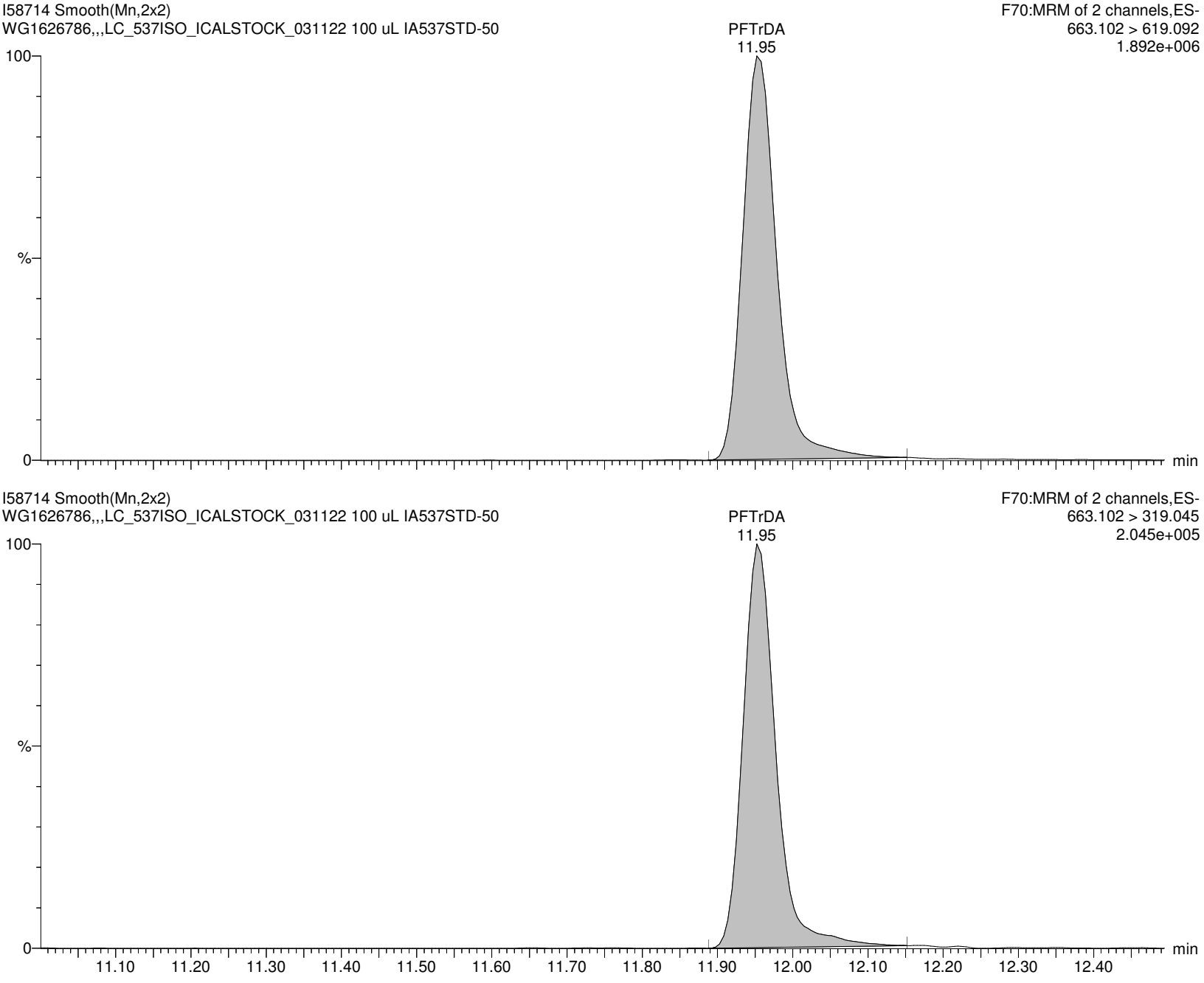


all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFTrDA

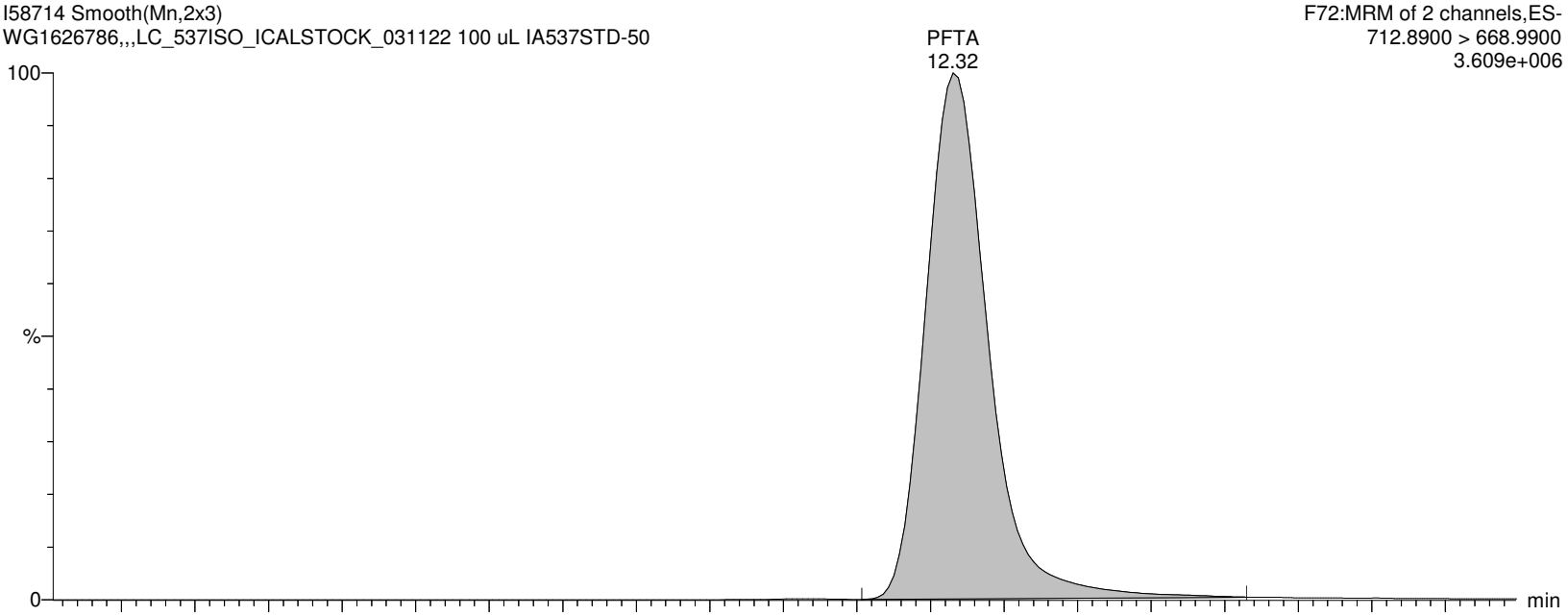


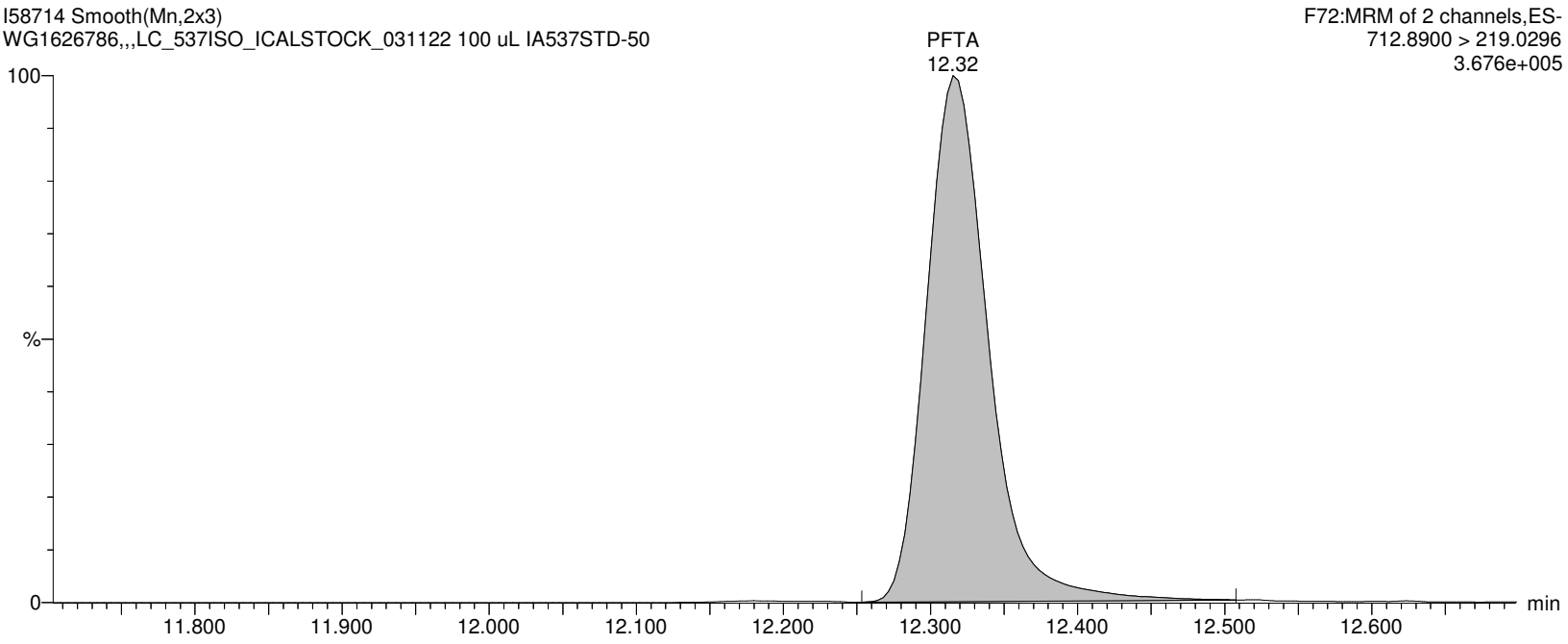
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:25 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:56:03
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User: LCMS02:MP
Vial: 1:A,8
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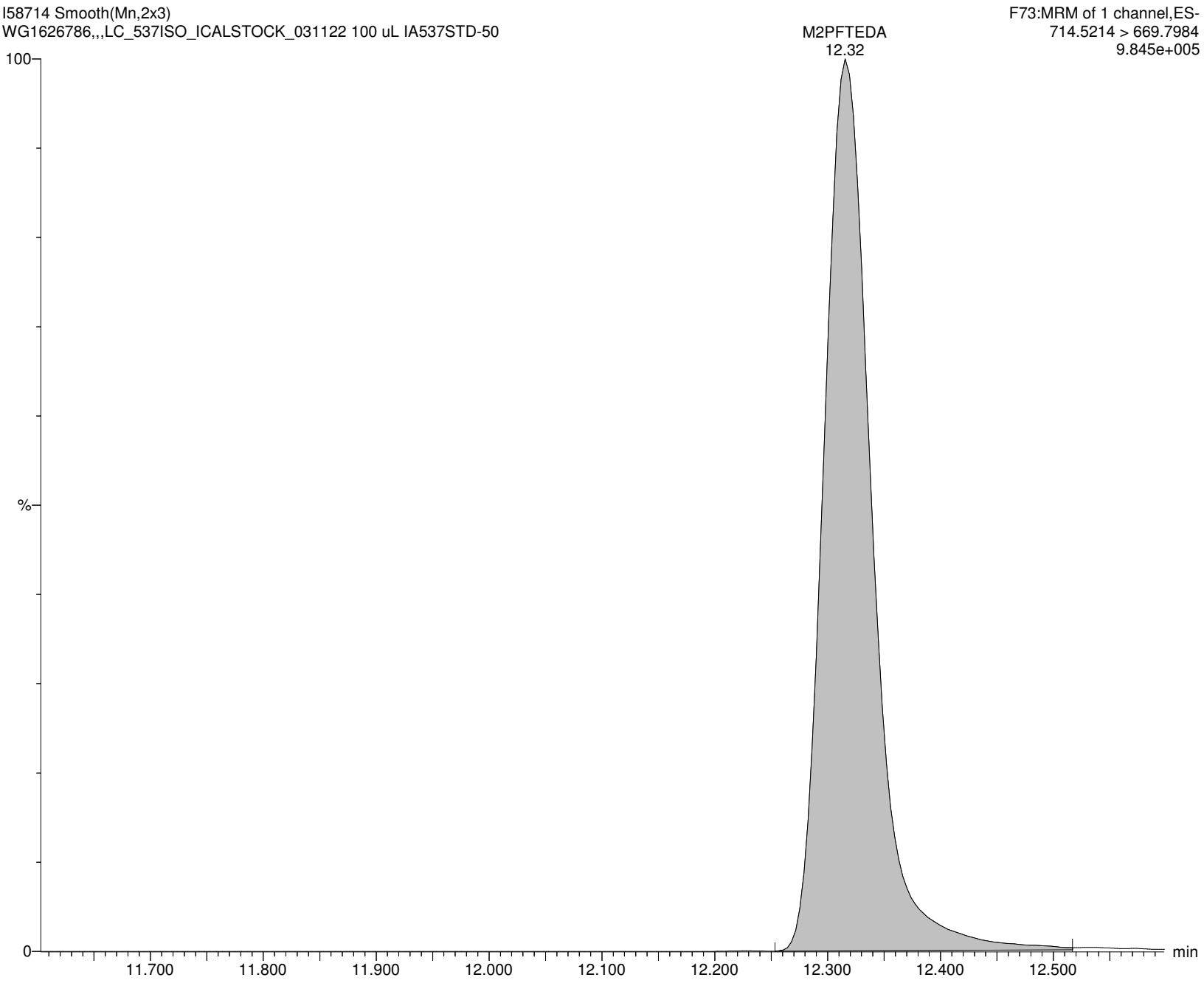


all concentration units in (ng/mL)

Alpha Analytical Inc.
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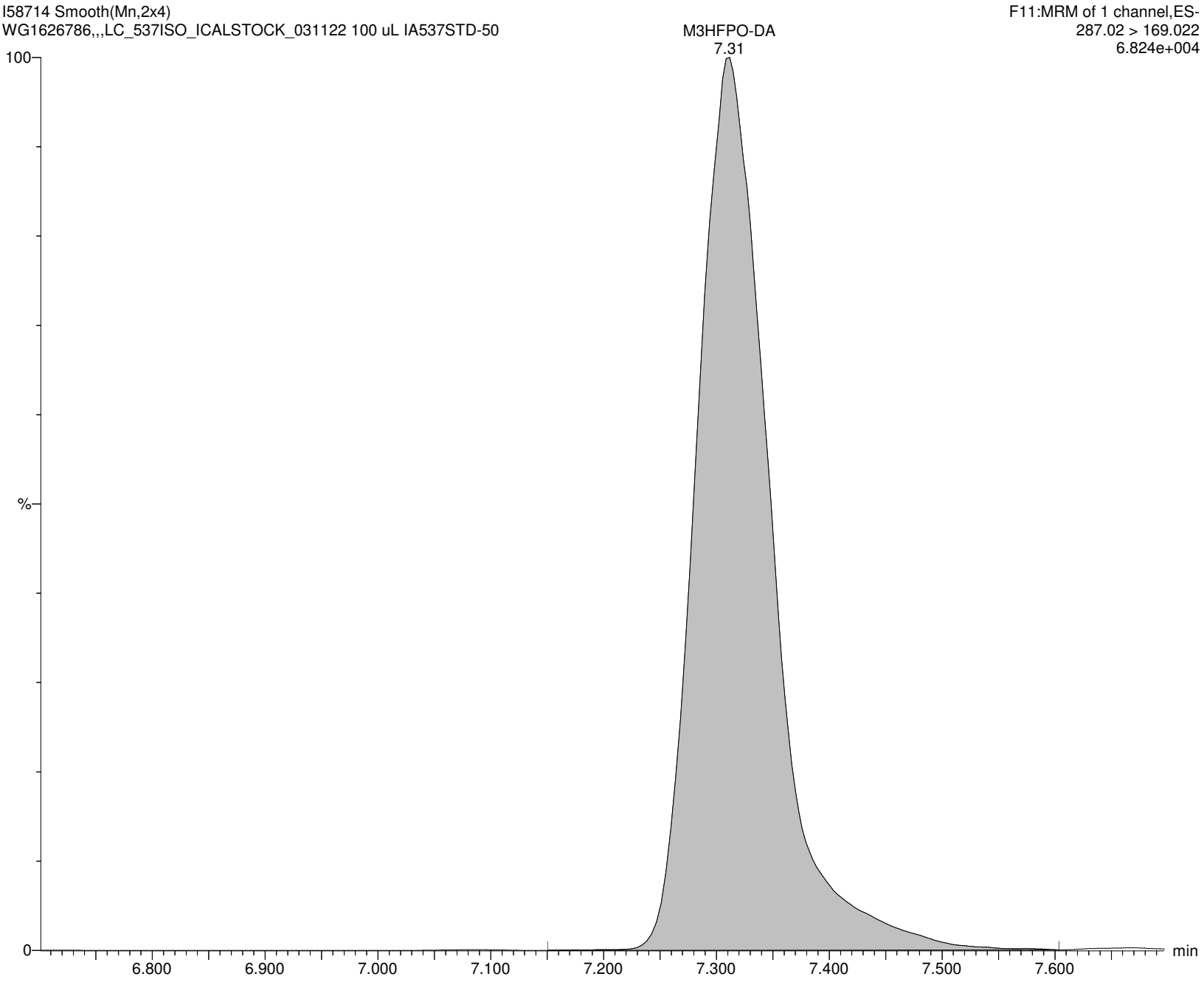


all concentration units in (ng/mL)

Alpha Analytical Inc.
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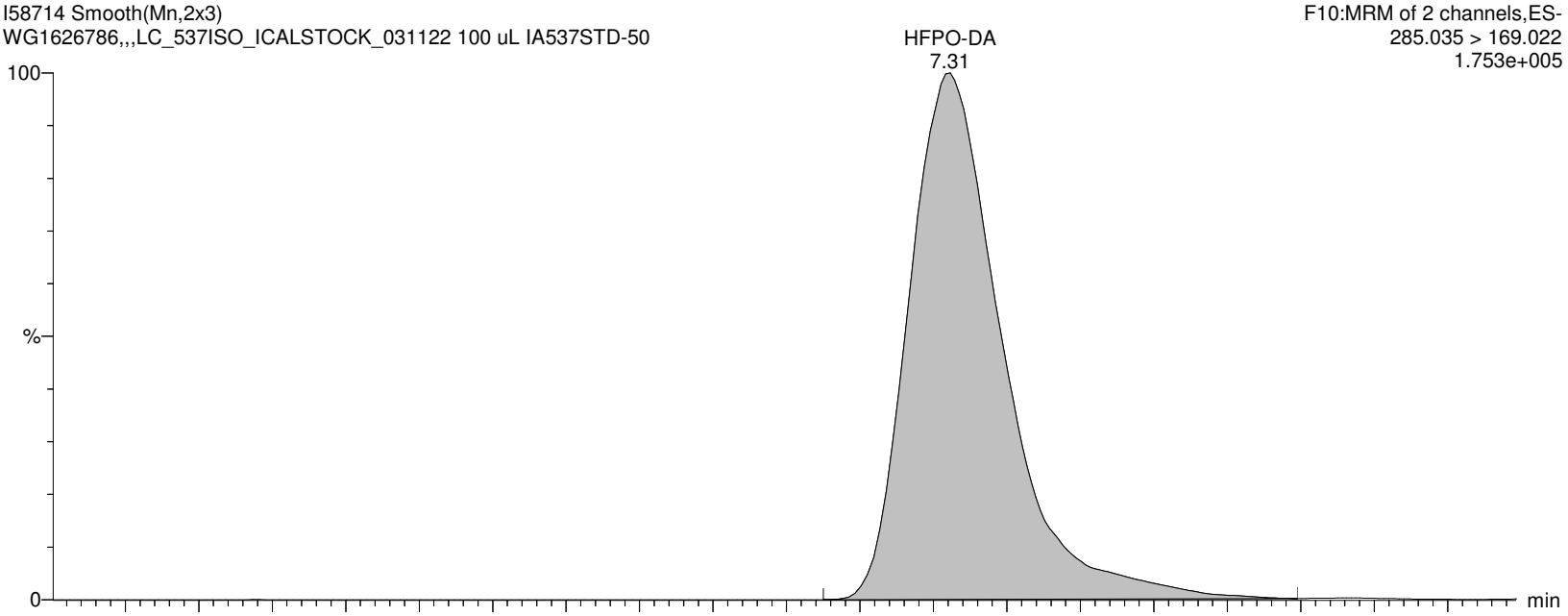


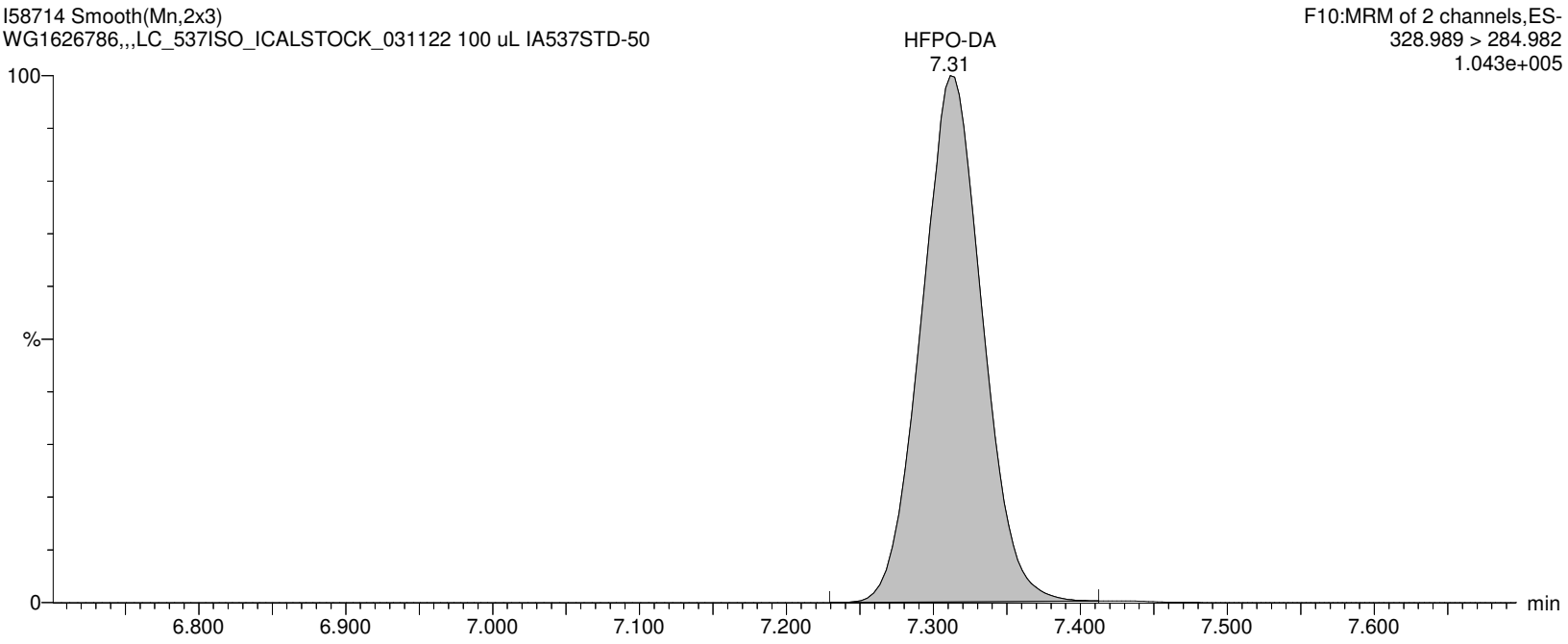
all concentration units in (ng/mL)

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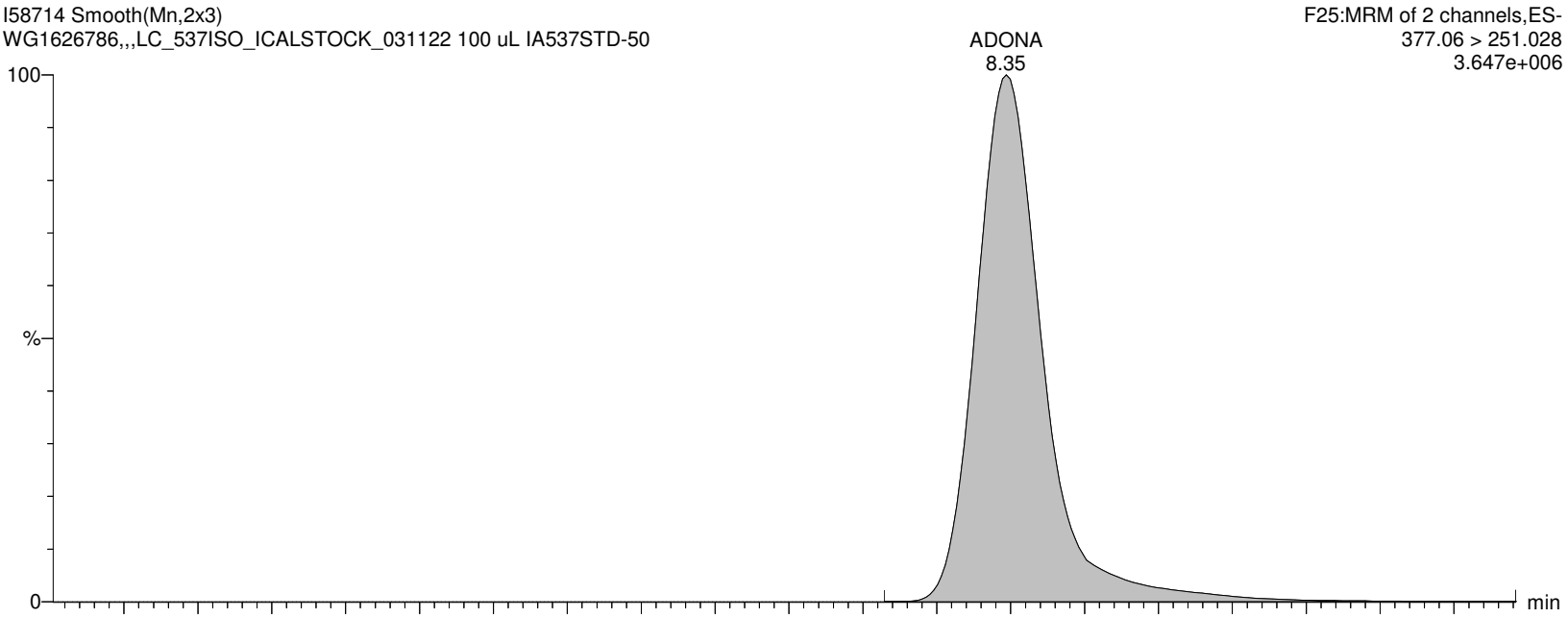


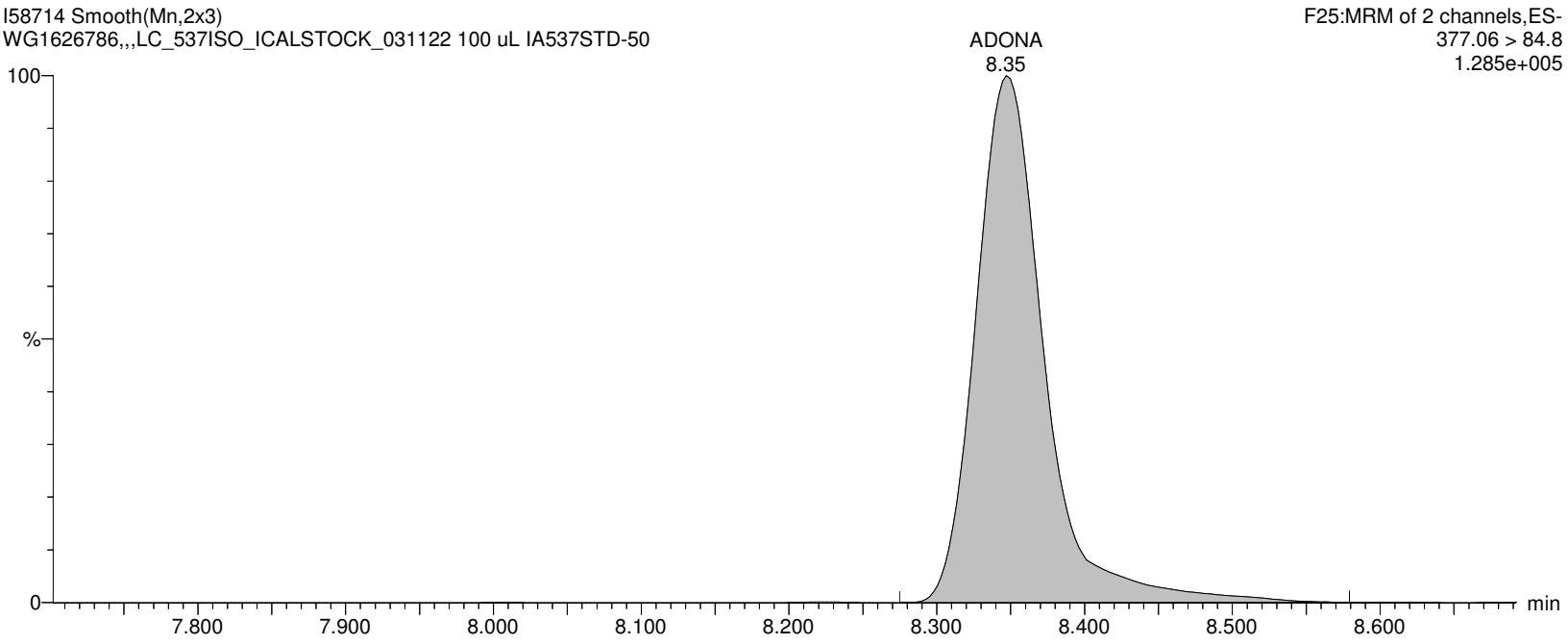
all concentration units in (ng/mL)

Alpha Analytical Inc.
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ADONA



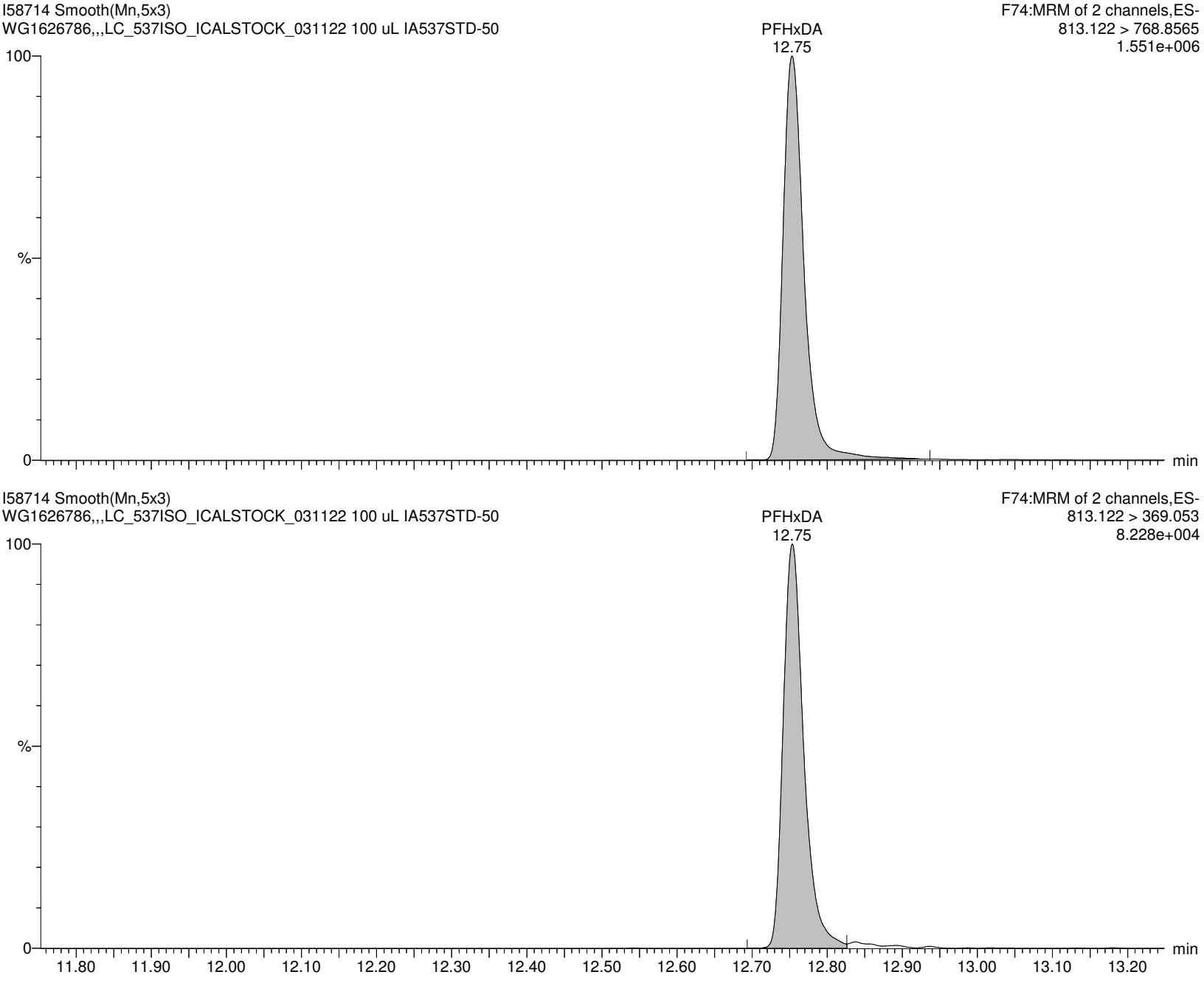


all concentration units in (ng/mL)

Alpha Analytical Inc.
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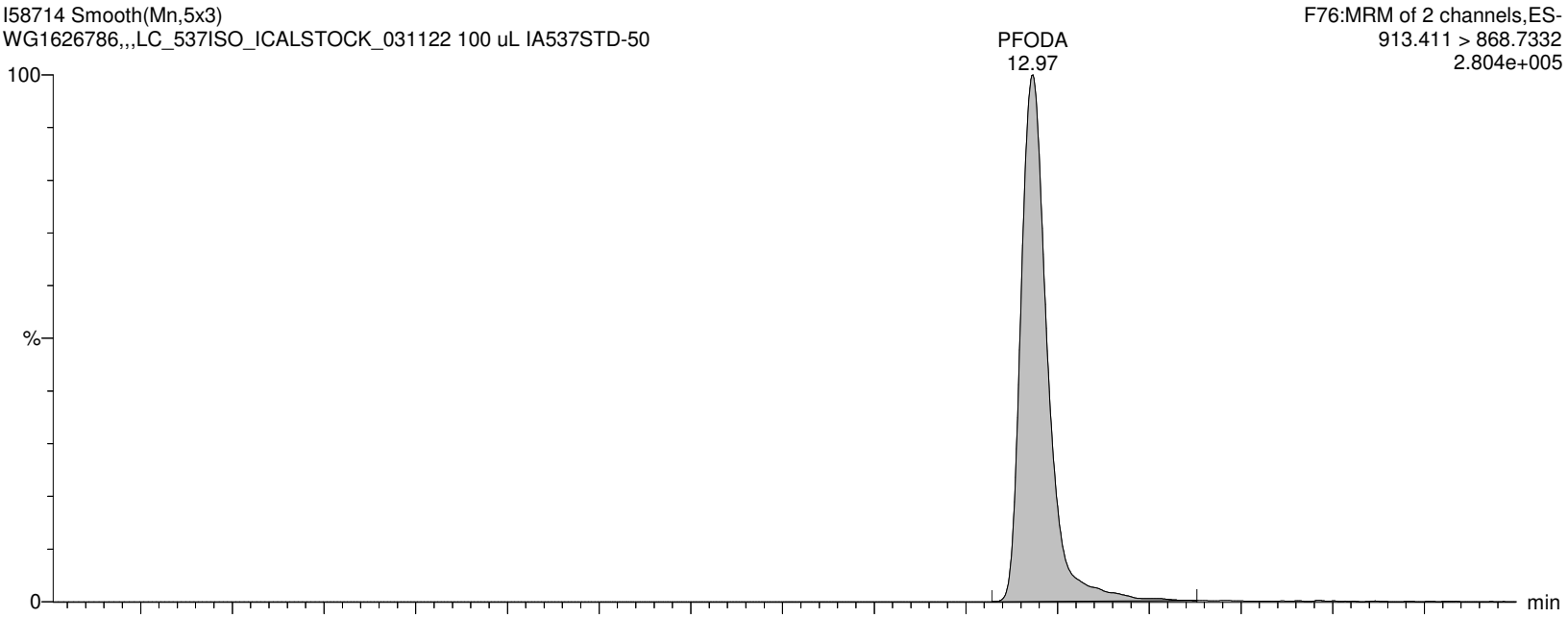


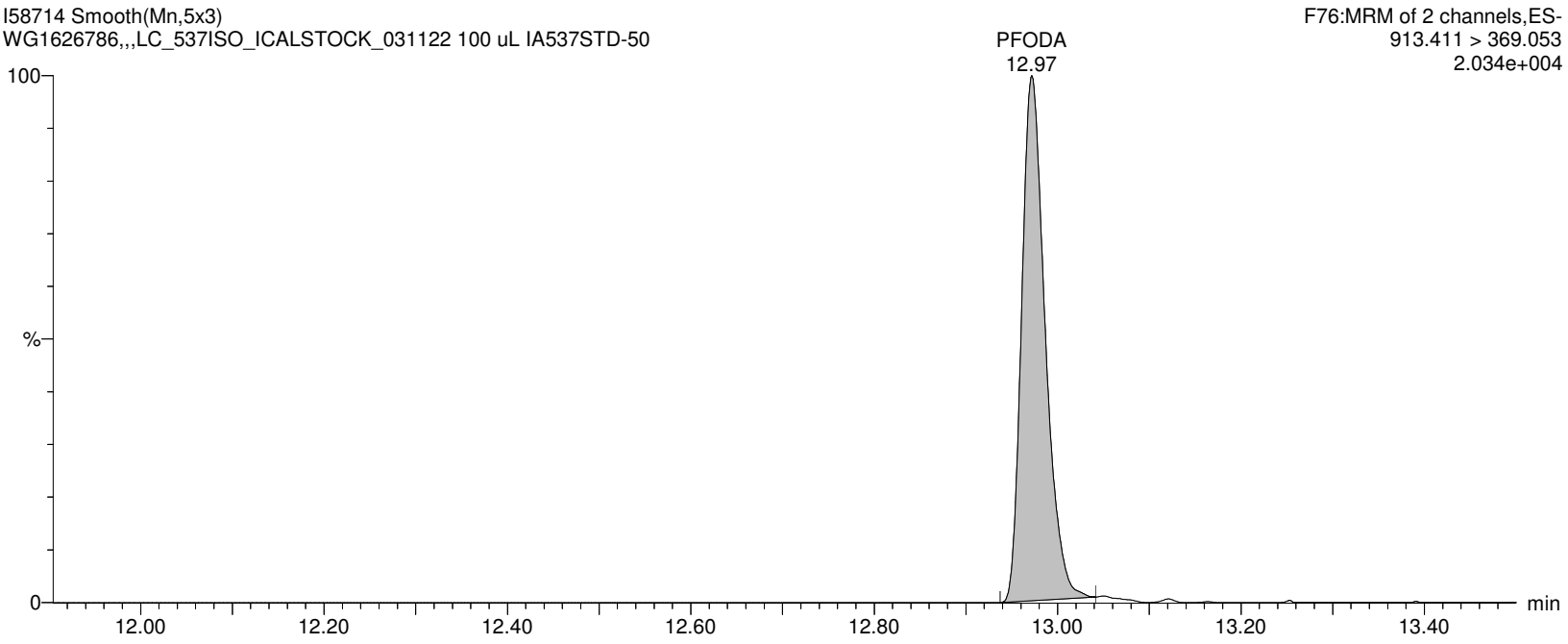
all concentration units in (ng/mL)

Alpha Analytical Inc.
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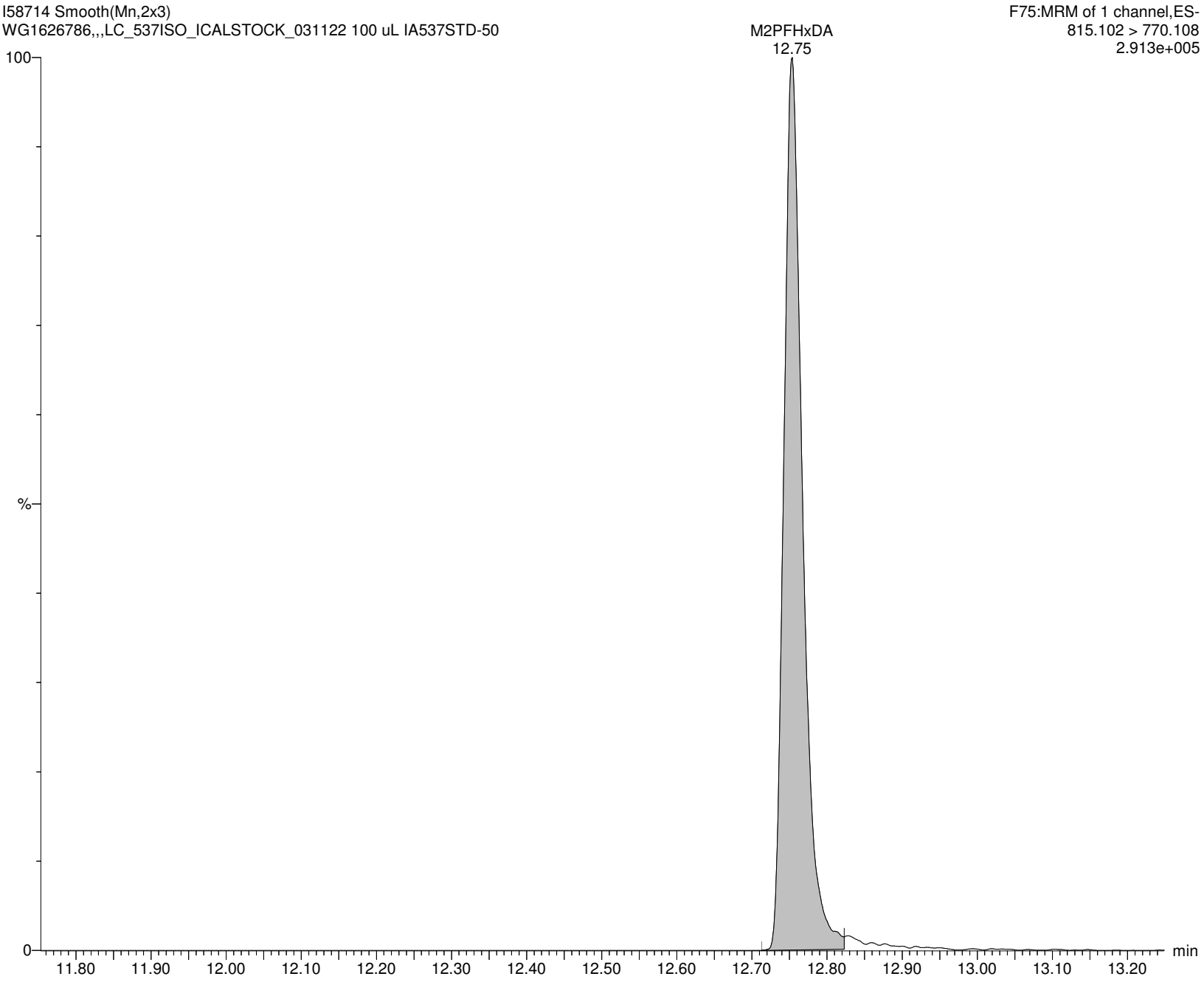


all concentration units in (ng/mL)

Alpha Analytical Inc.
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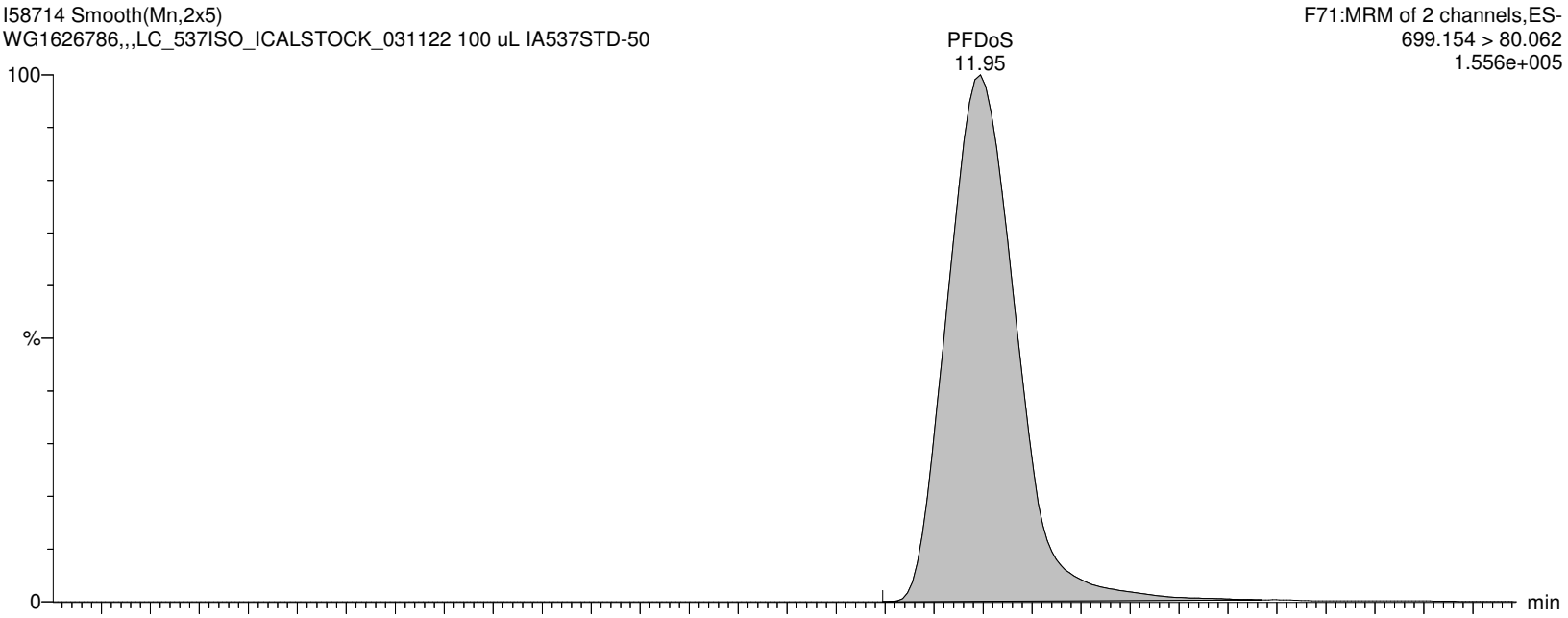


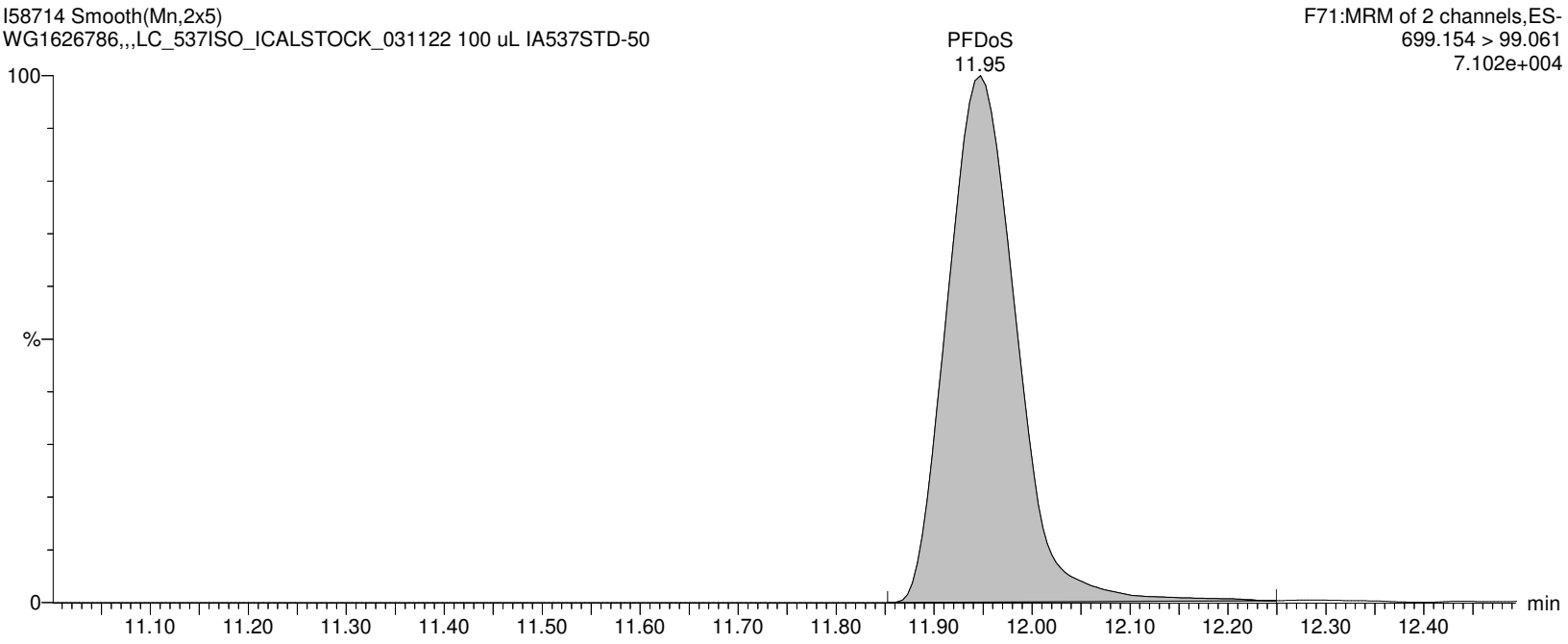
all concentration units in (ng/mL)

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PFDoS



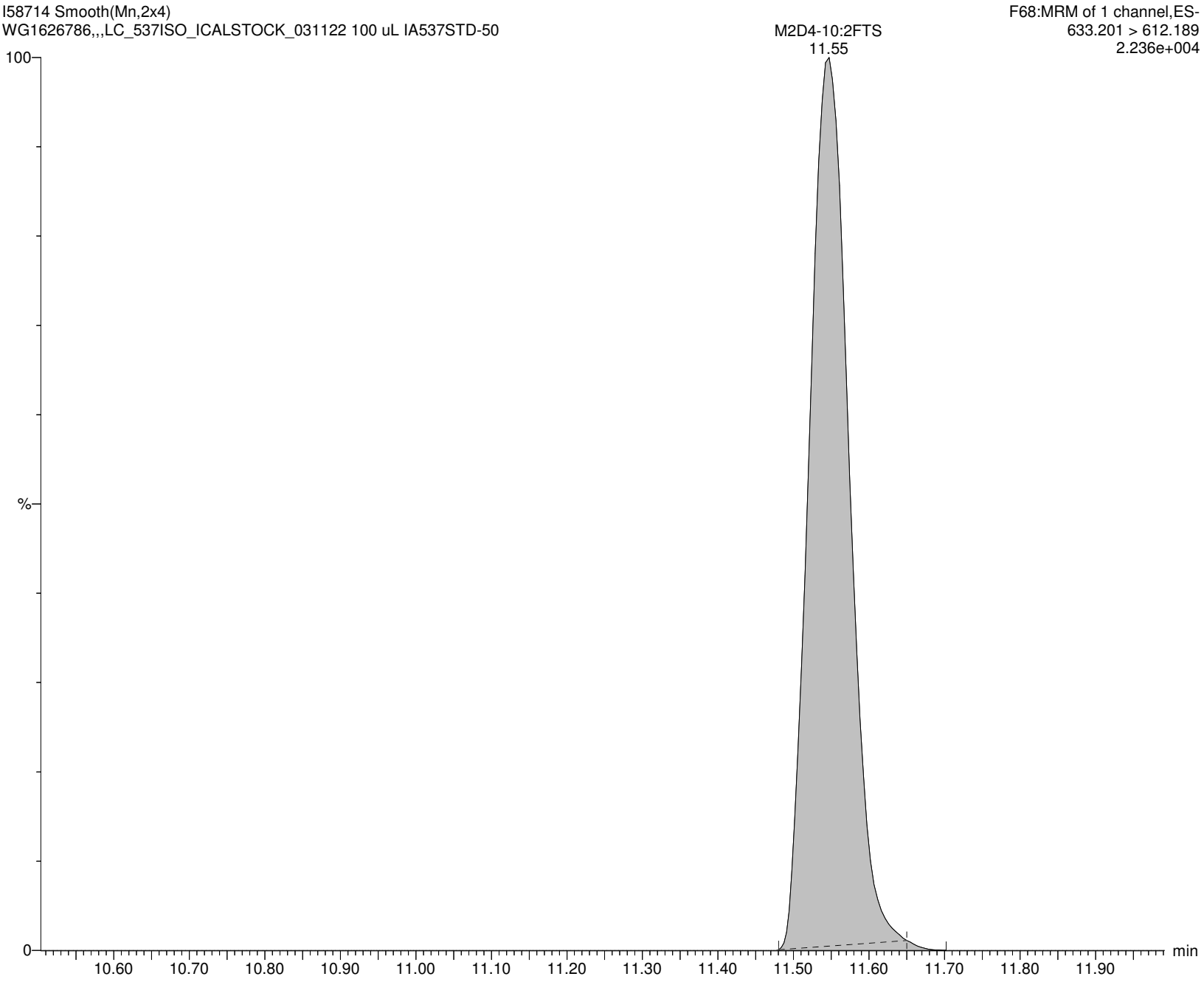


all concentration units in (ng/mL)

Alpha Analytical Inc.
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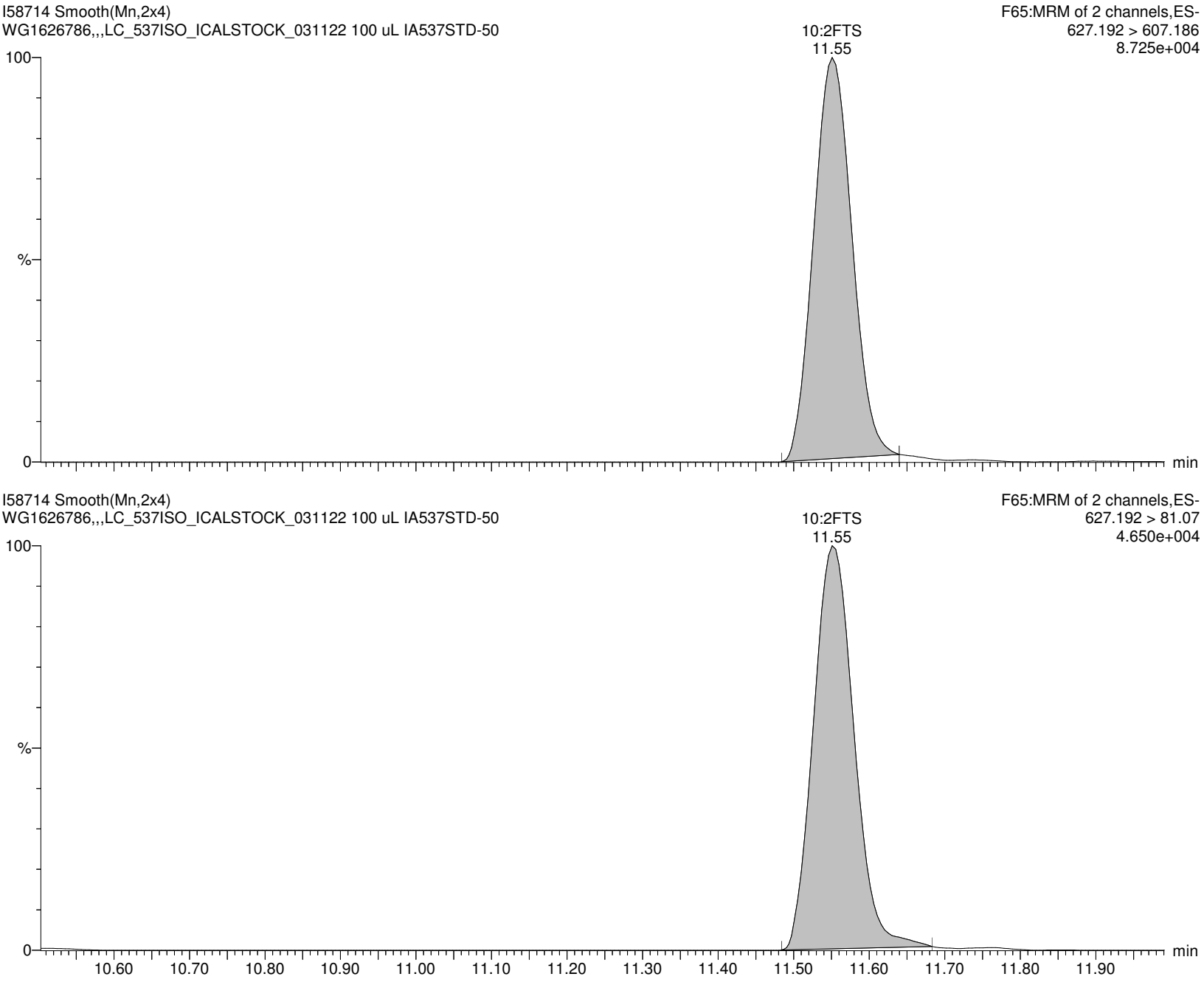


all concentration units in (ng/mL)

Alpha Analytical Inc.
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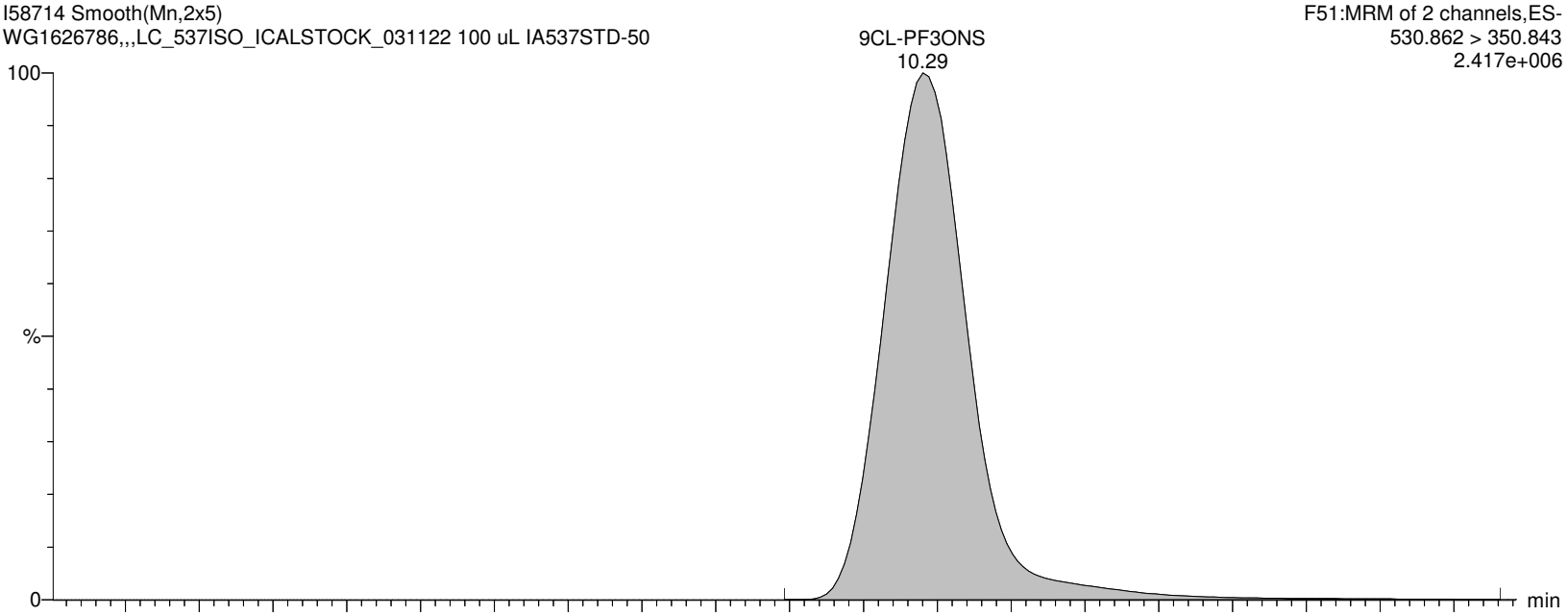


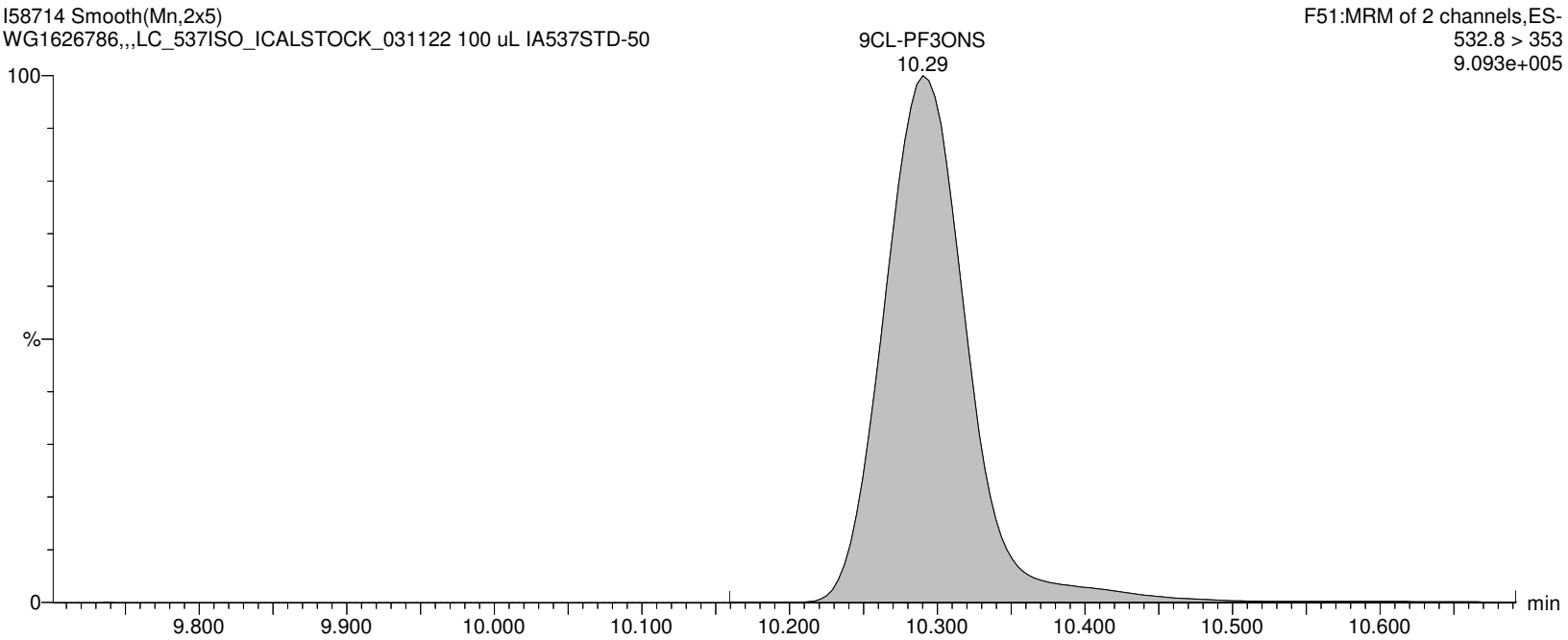
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



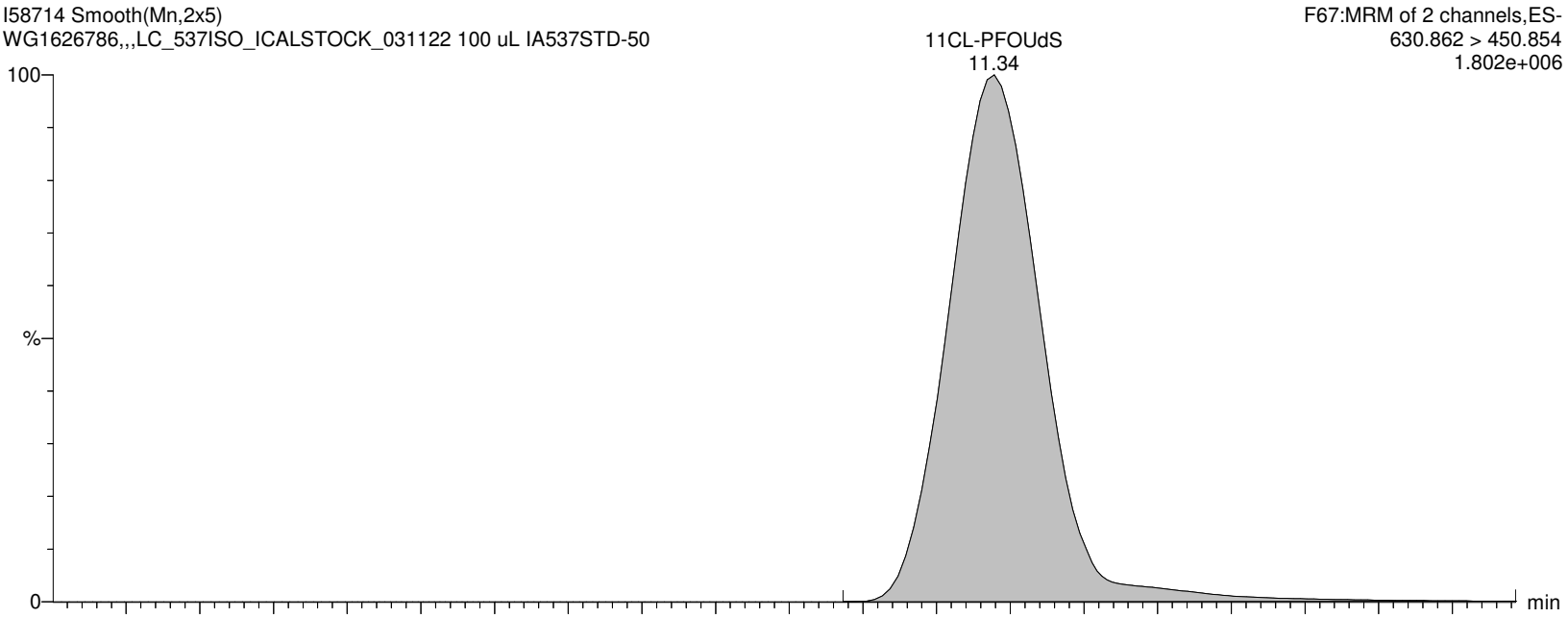


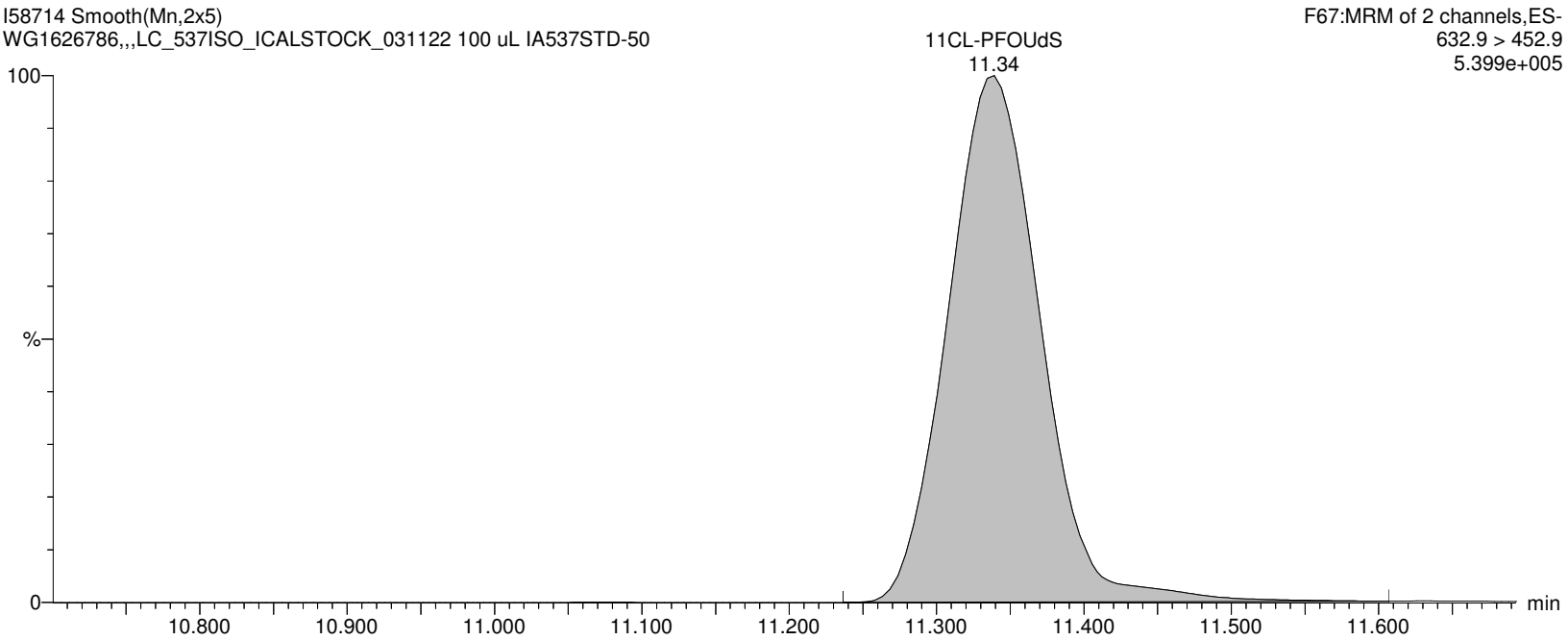
all concentration units in (ng/mL)

Alpha Analytical Inc.
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11CL-PFOUdS



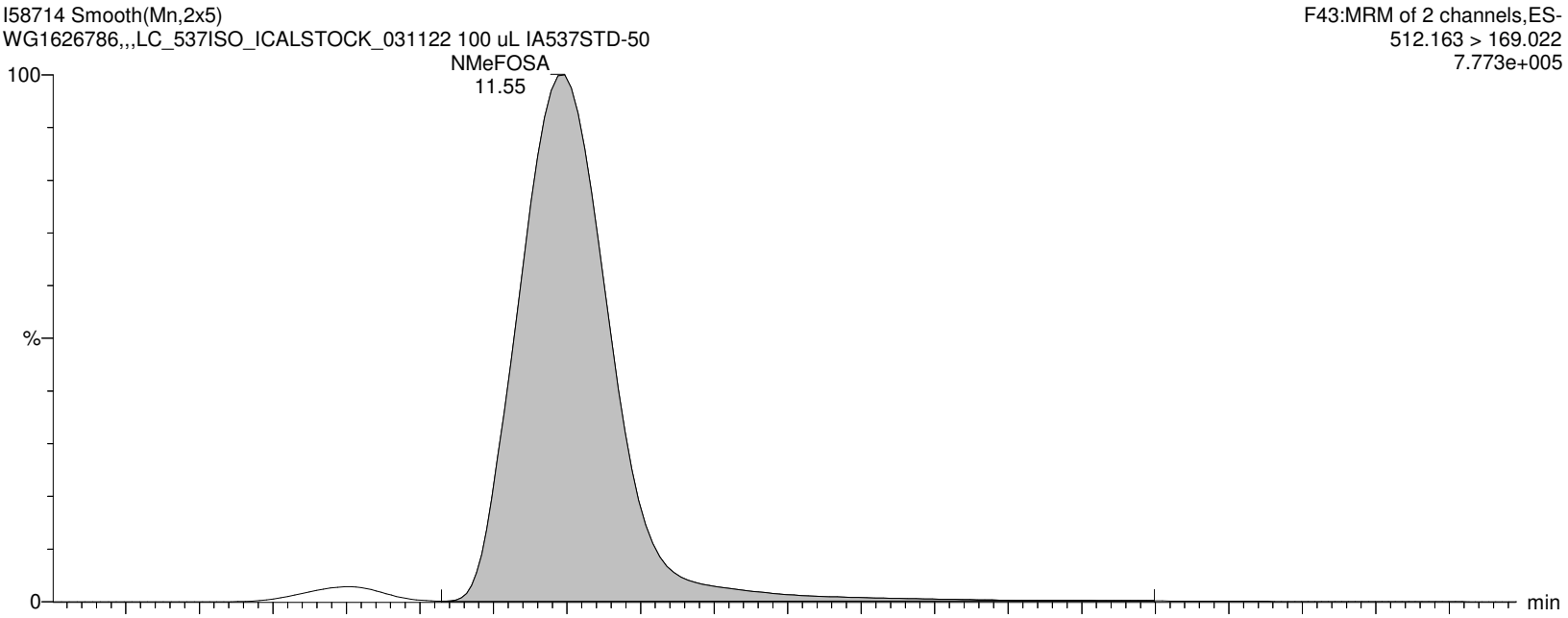


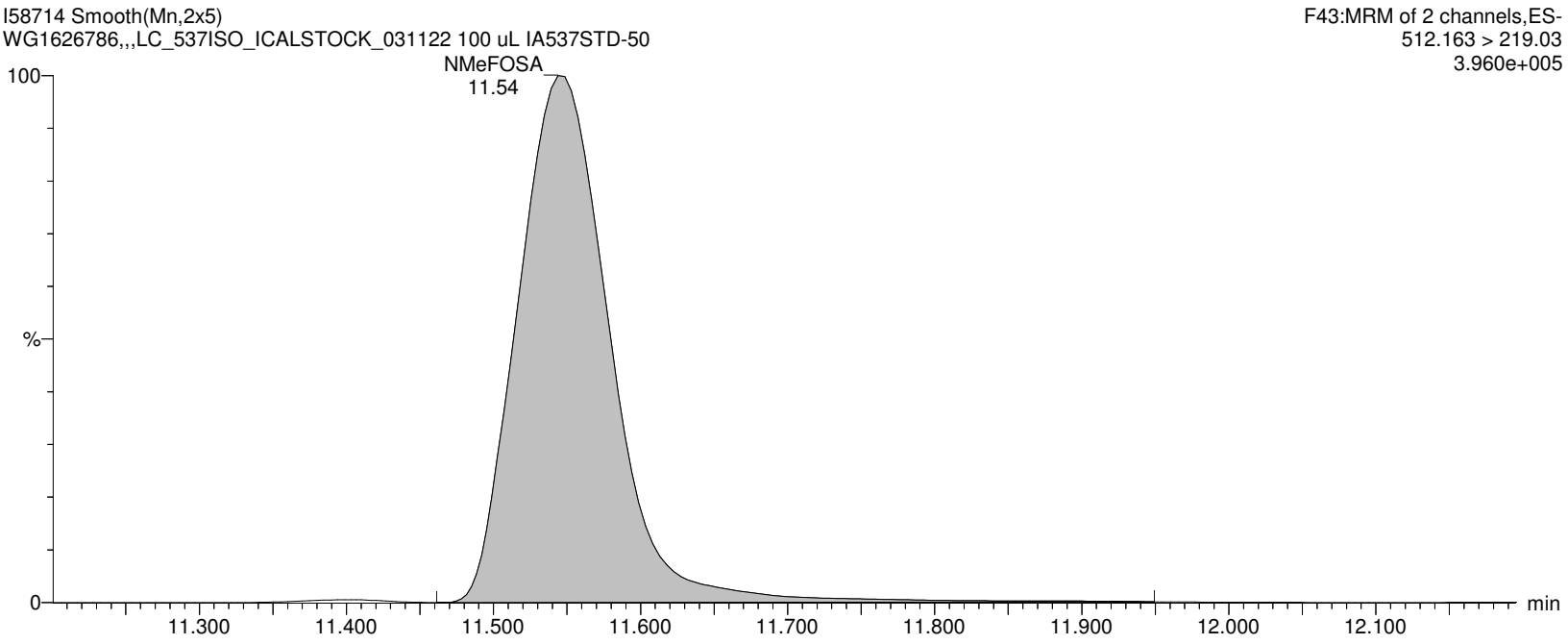
all concentration units in (ng/mL)

Alpha Analytical Inc.
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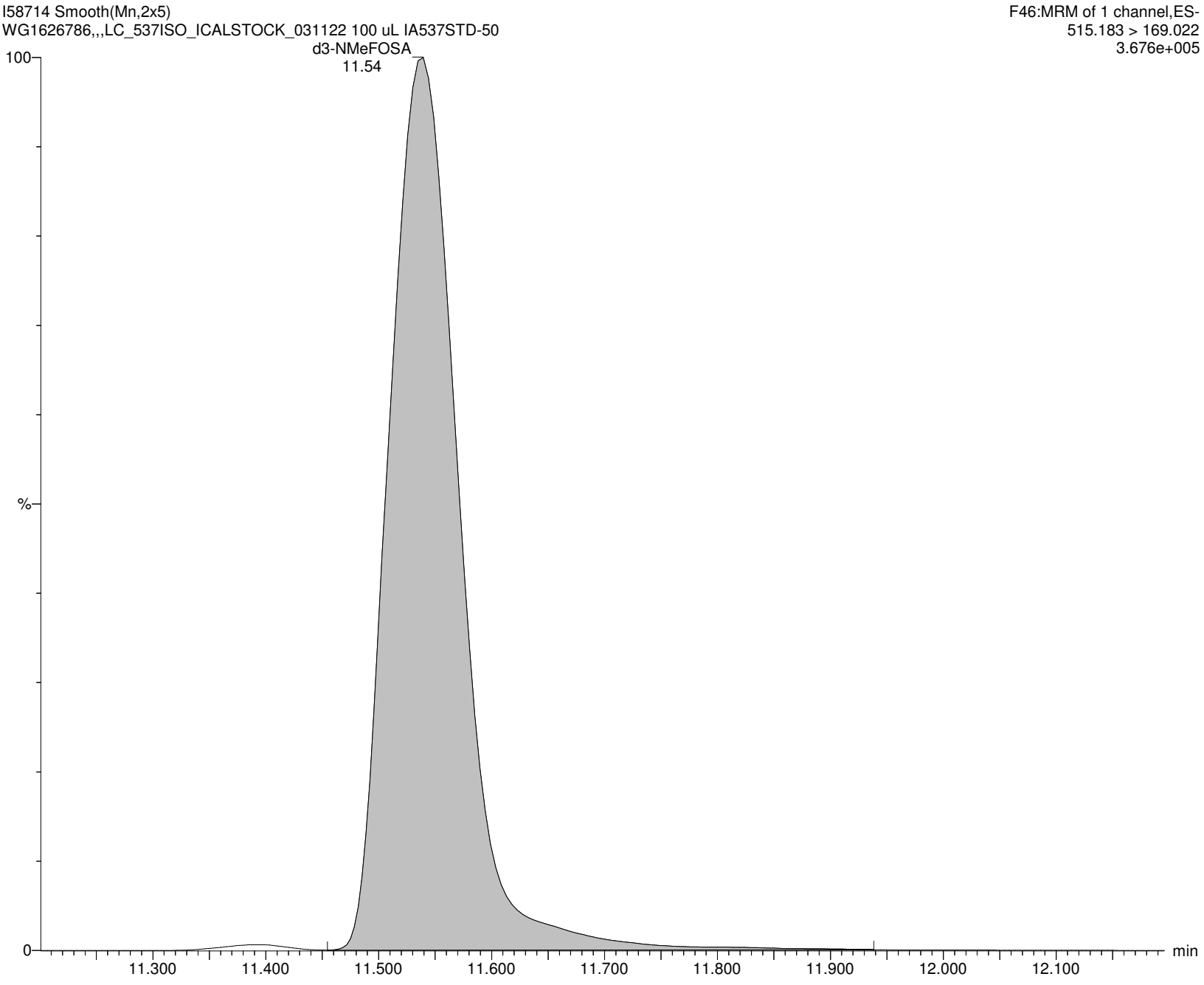


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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d3-NMeFOSA

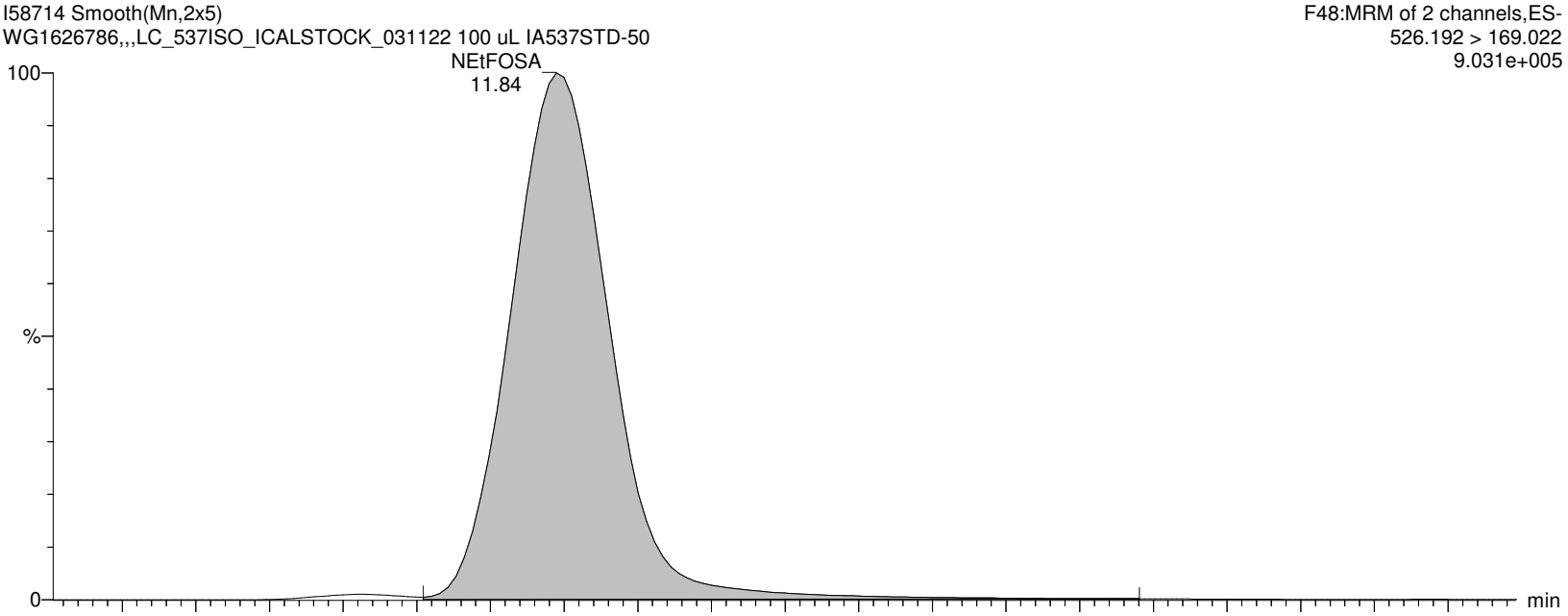


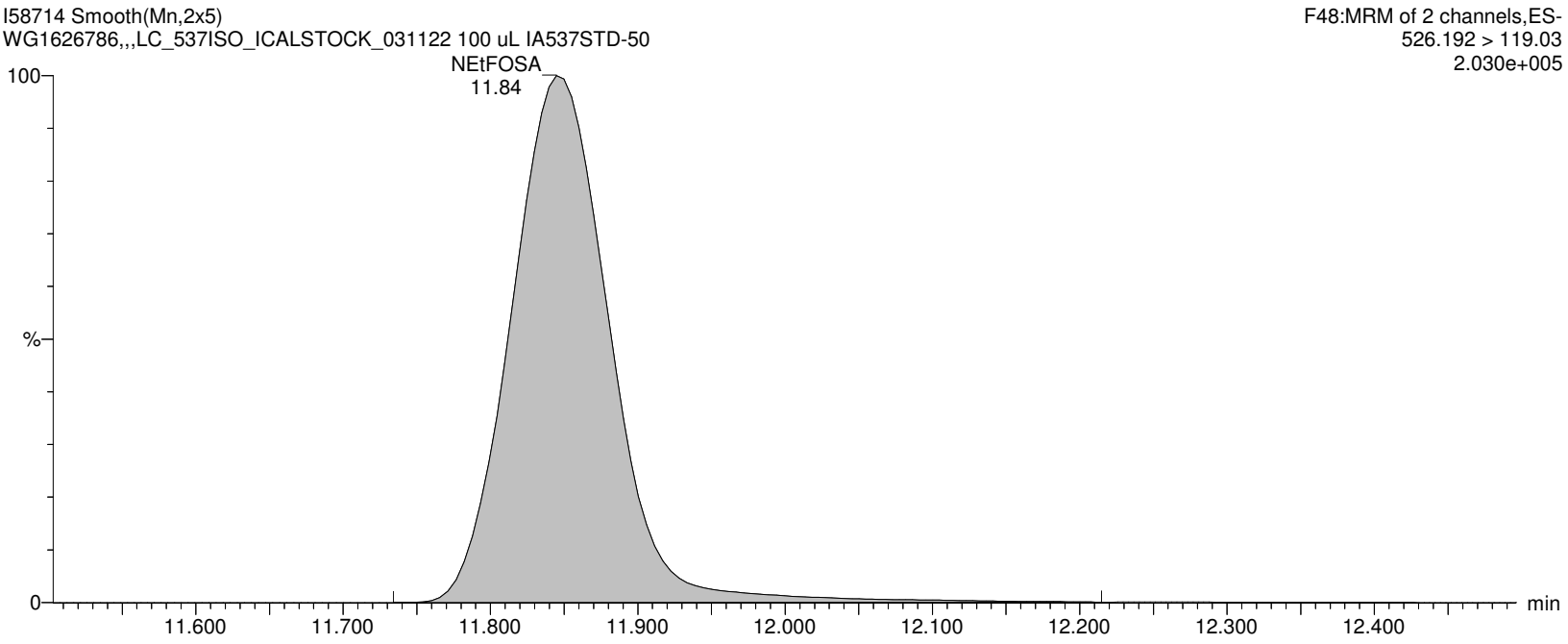
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:25 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 17:56:03
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User: LCMS02:MP
Vial: 1:A,8
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NEtFOSA



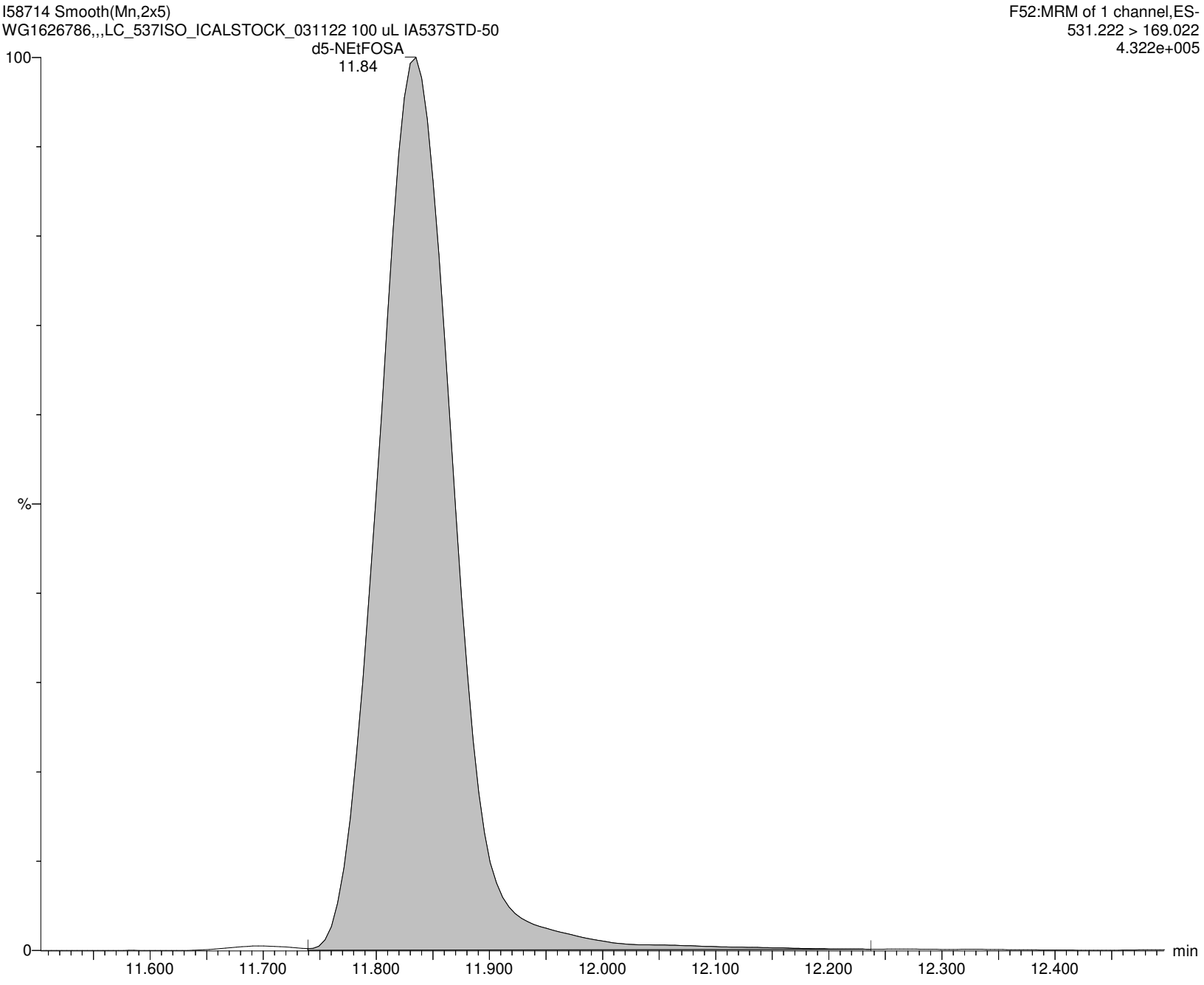


all concentration units in (ng/mL)

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d5-NEtFOSA

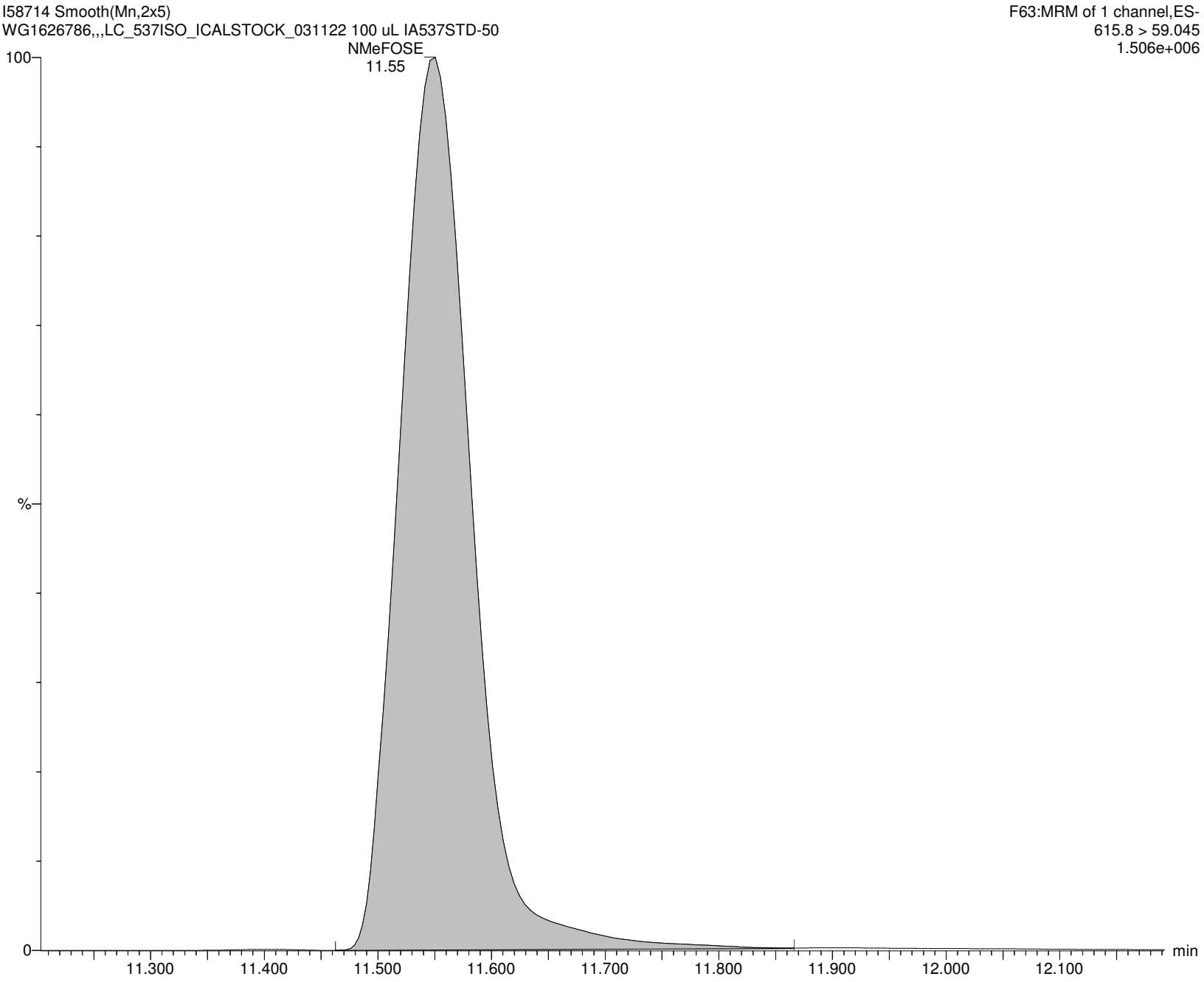


all concentration units in (ng/mL)

Alpha Analytical Inc.
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NMeFOSE

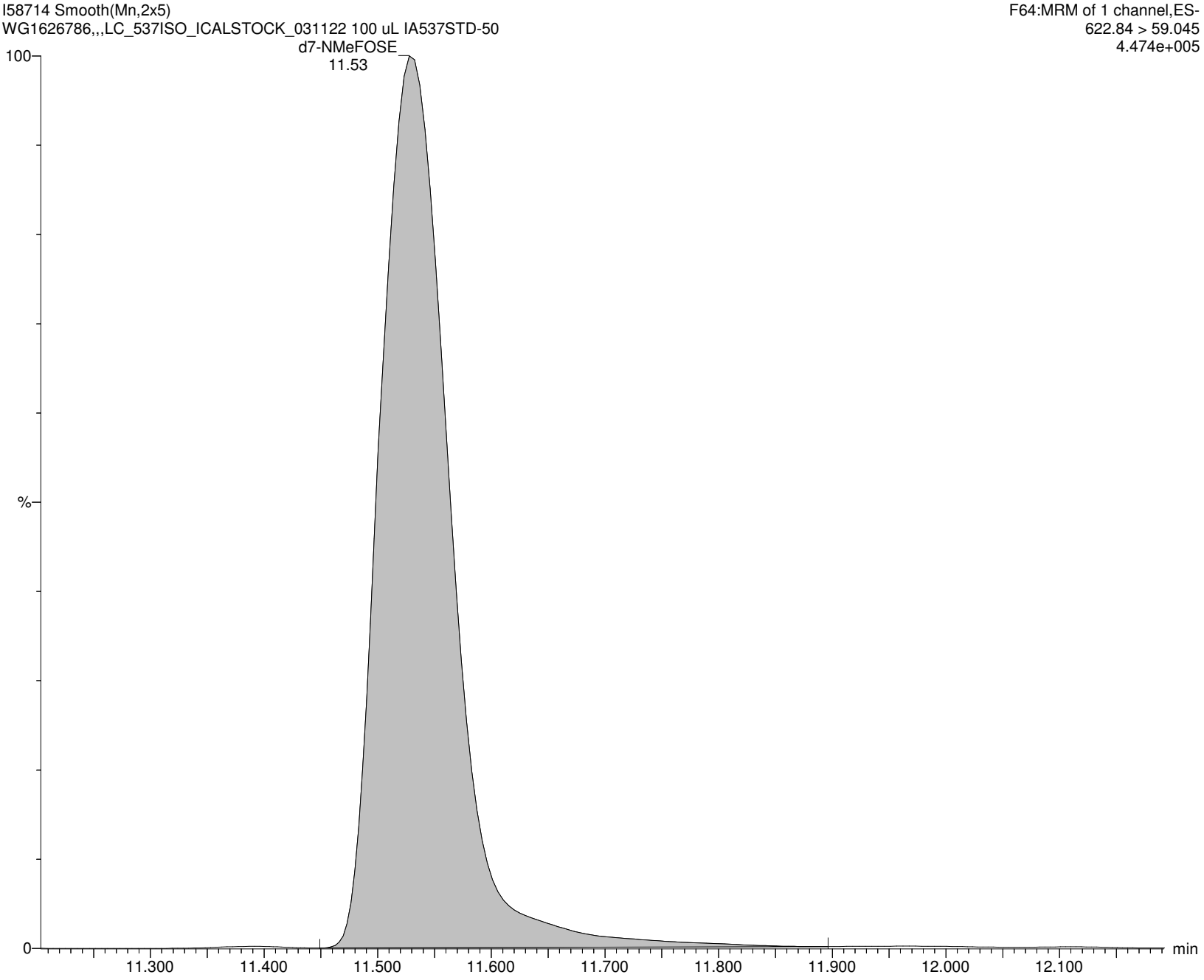


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d7-NMeFOSE

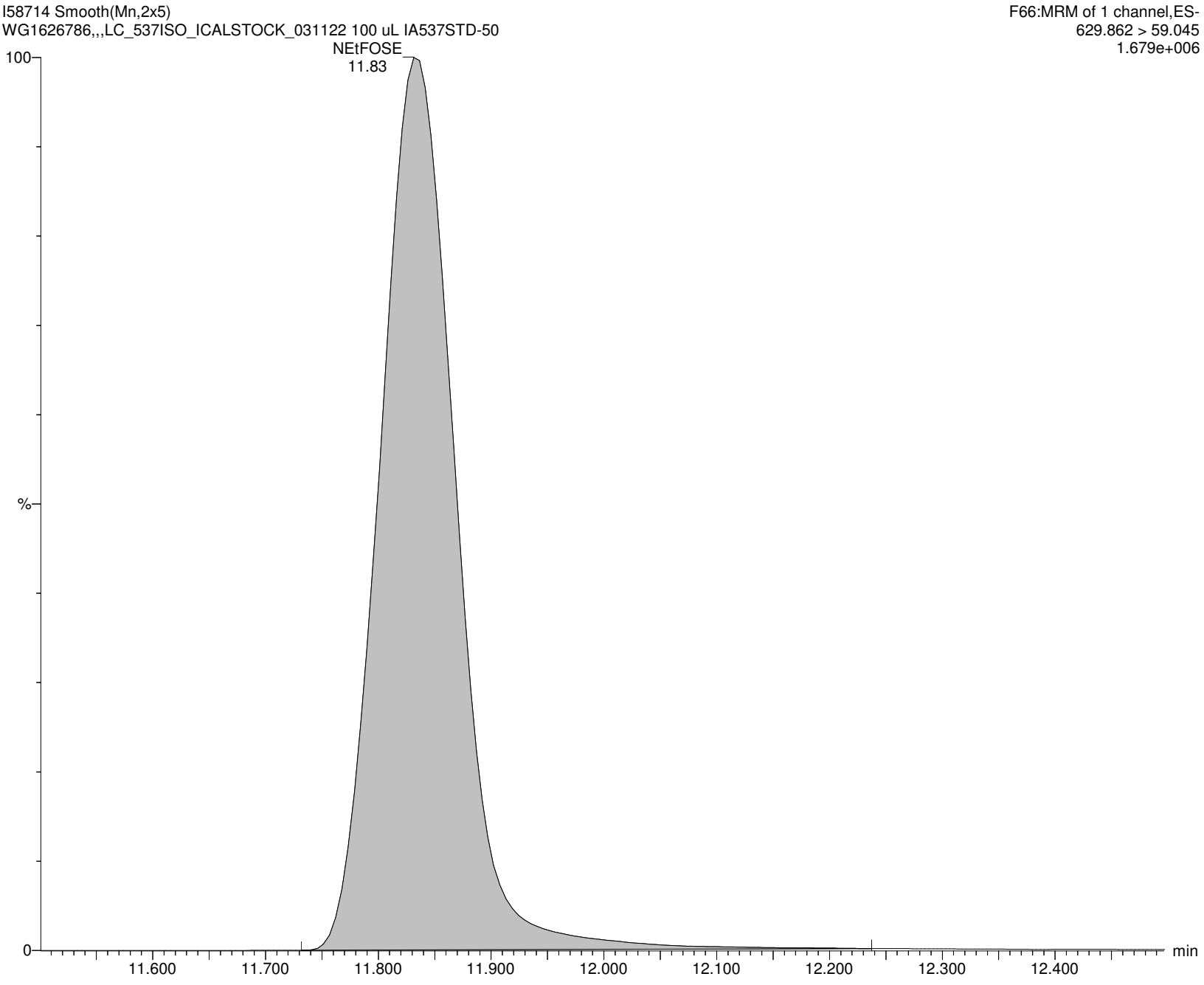


all concentration units in (ng/mL)

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NEtFOSE

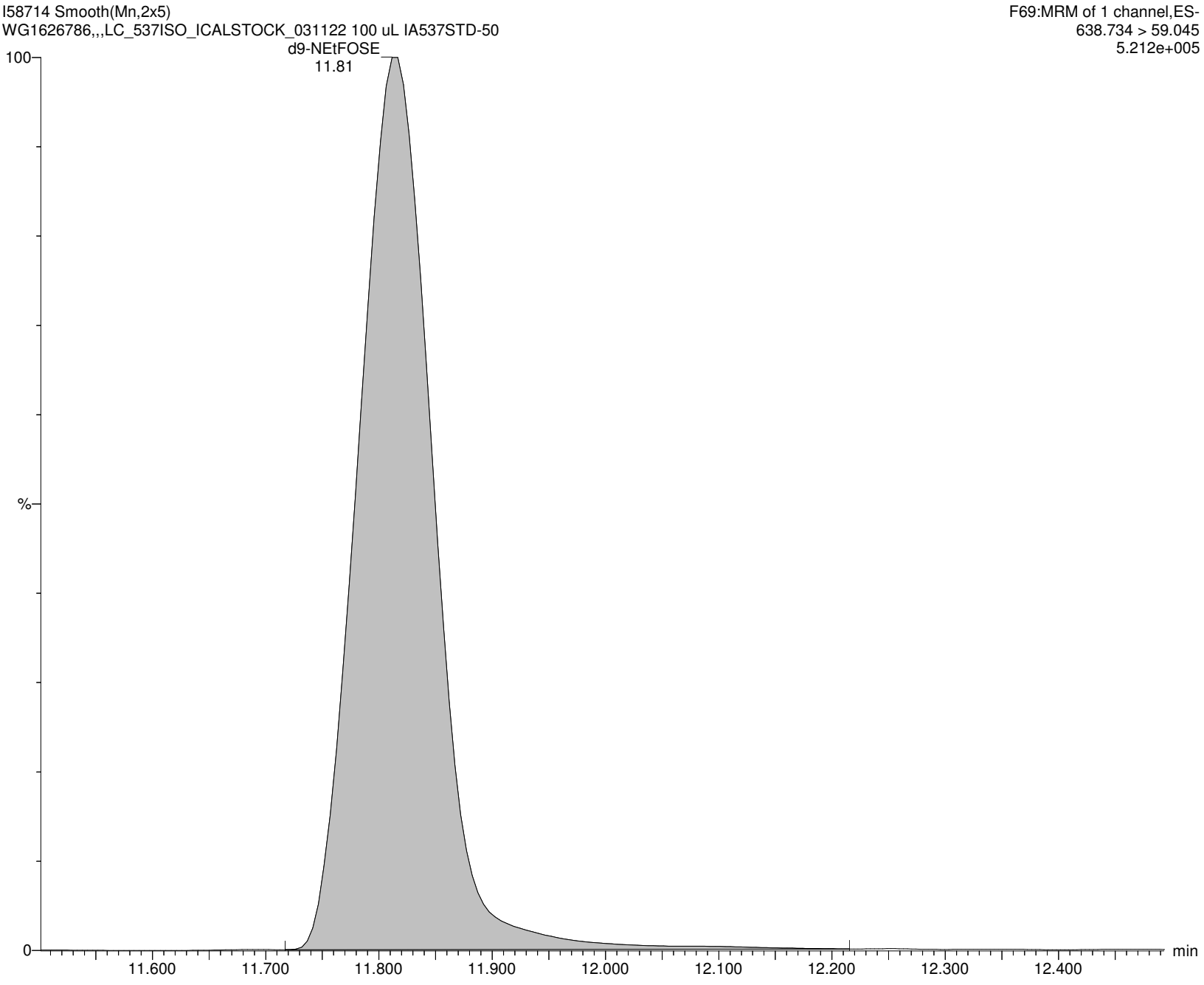


all concentration units in (ng/mL)

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d9-NEtFOSE

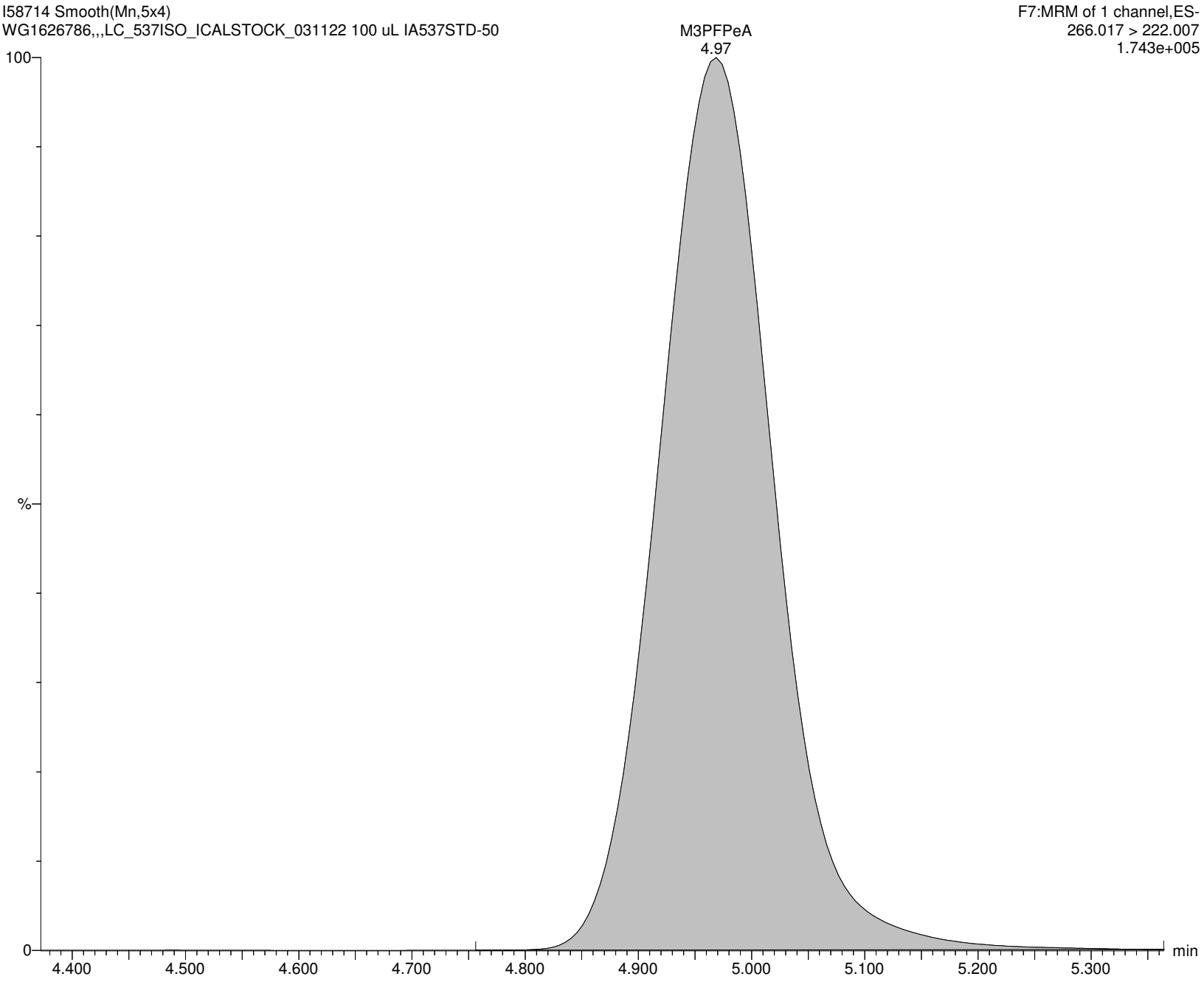


all concentration units in (ng/mL)

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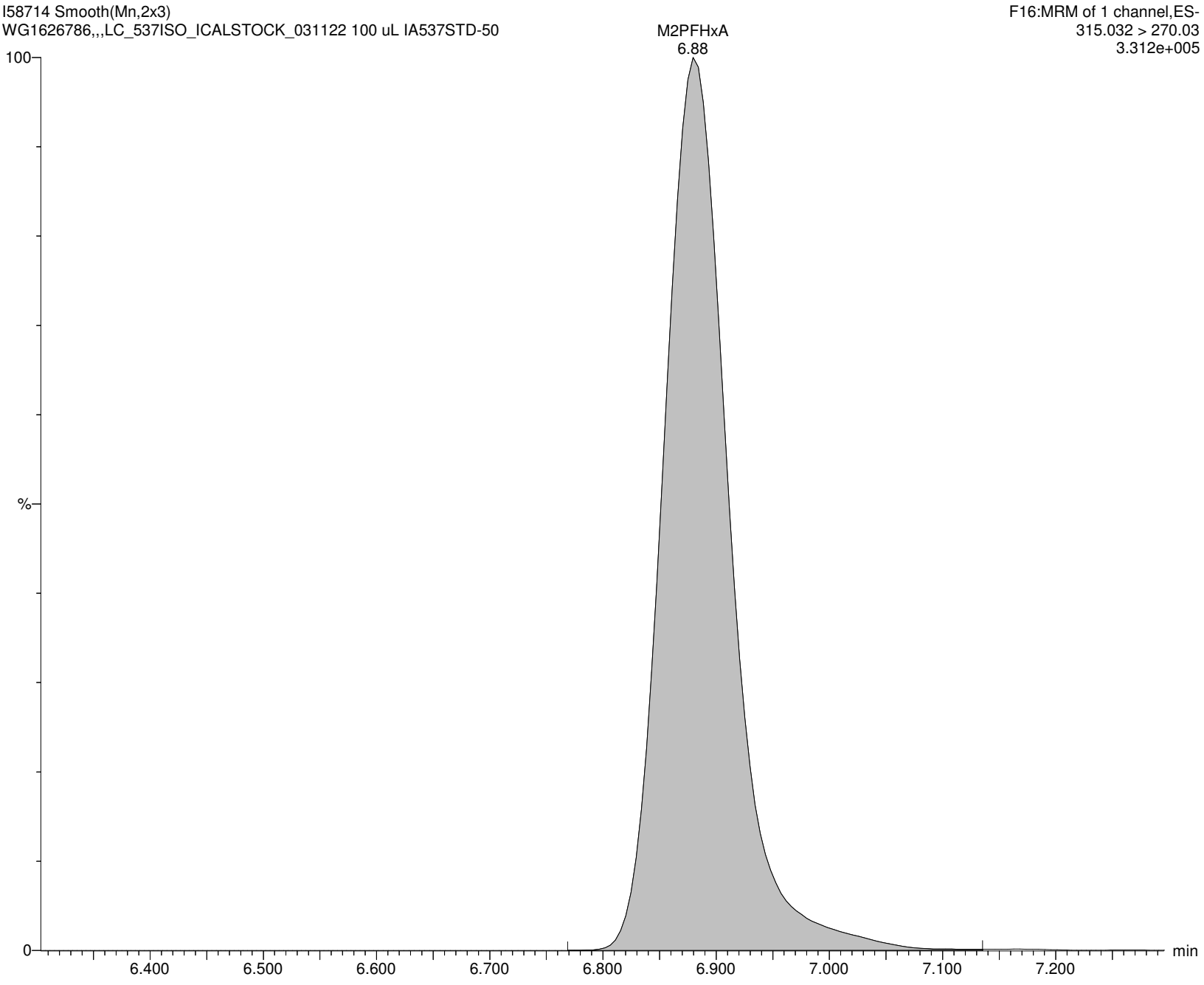


all concentration units in (ng/mL)

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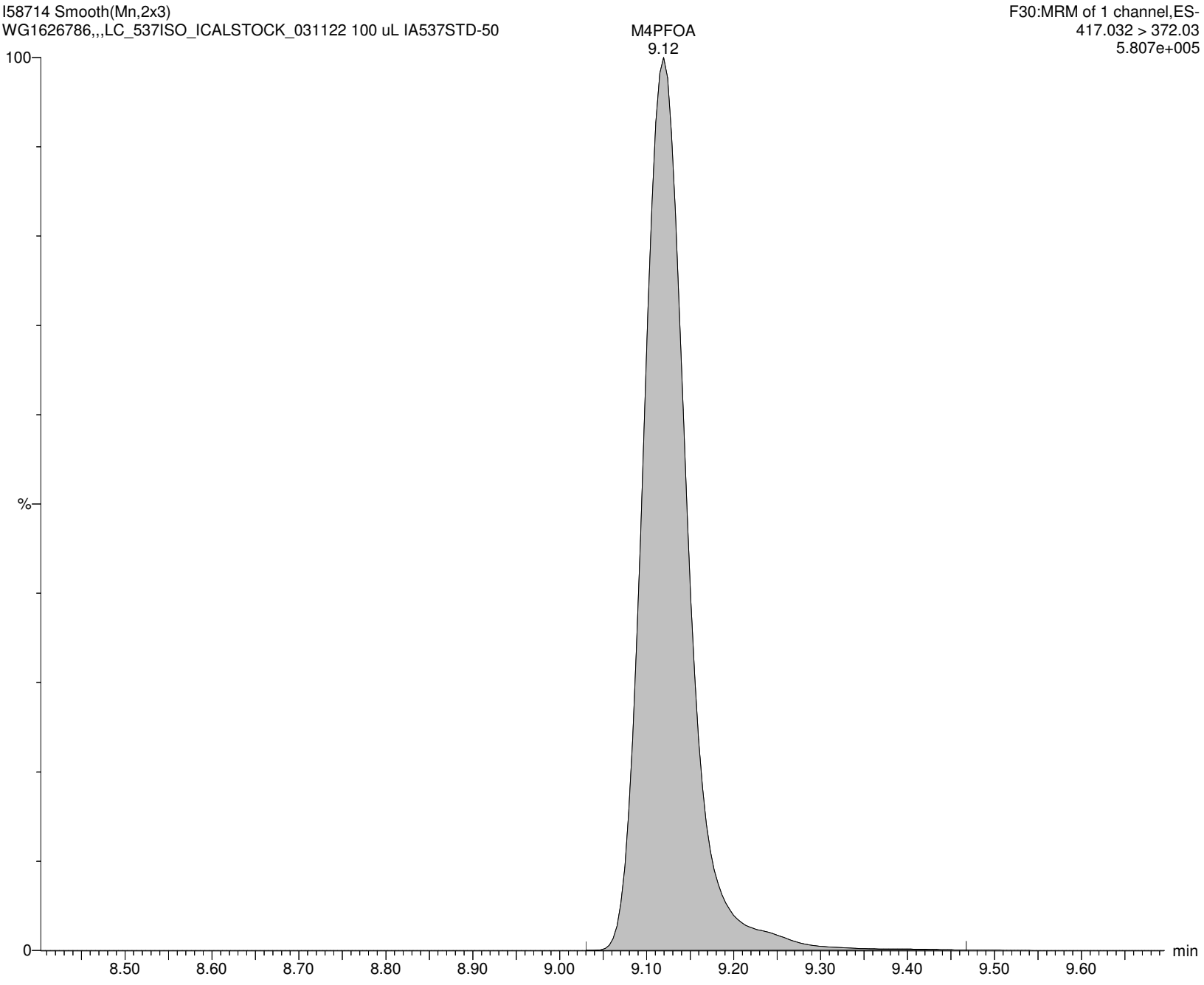


all concentration units in (ng/mL)

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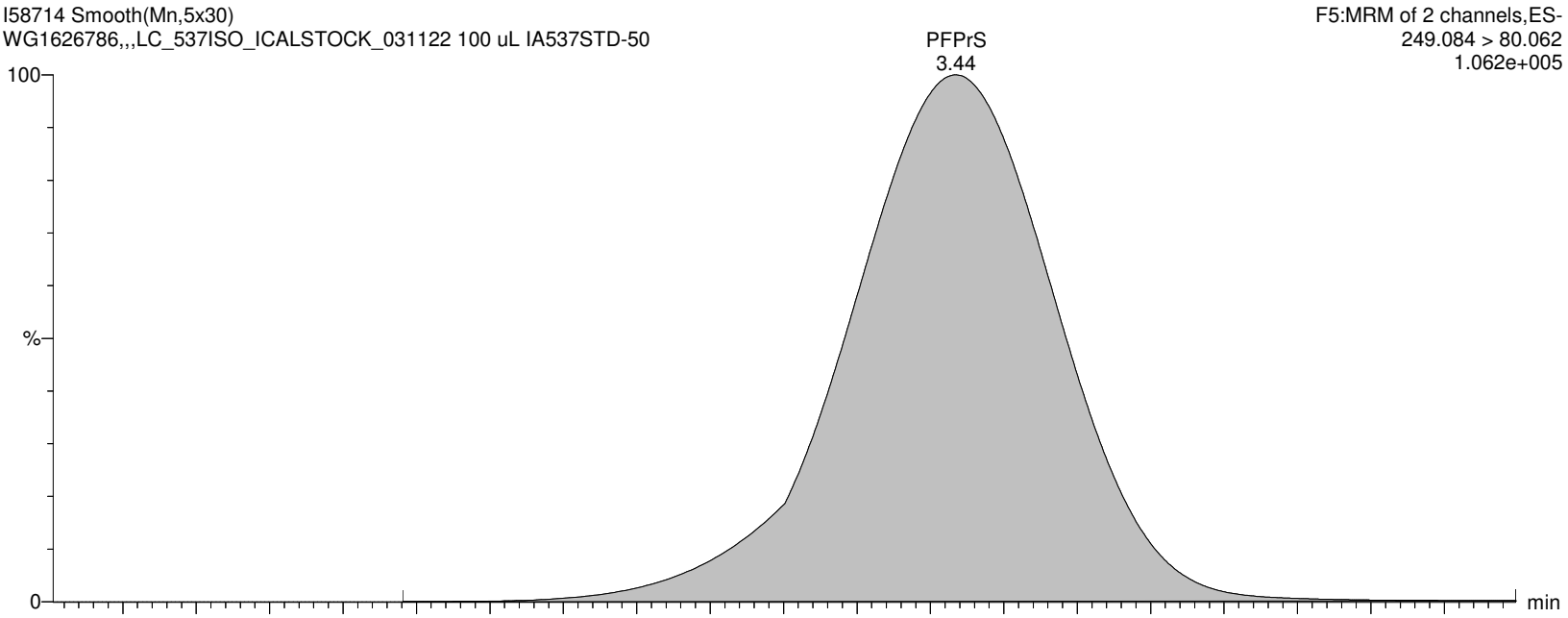


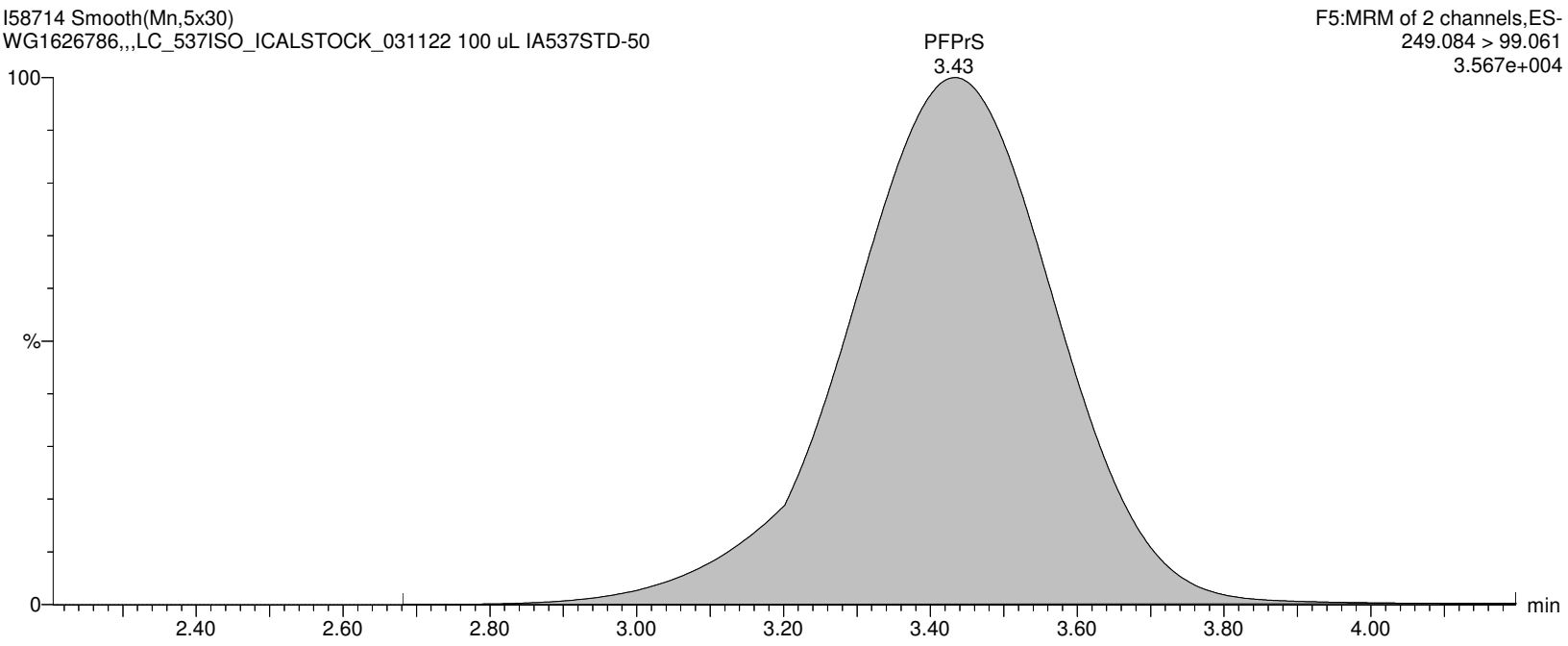
all concentration units in (ng/mL)

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Instrument: XEVO-TQSmicro#QEB0050
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PFPrS



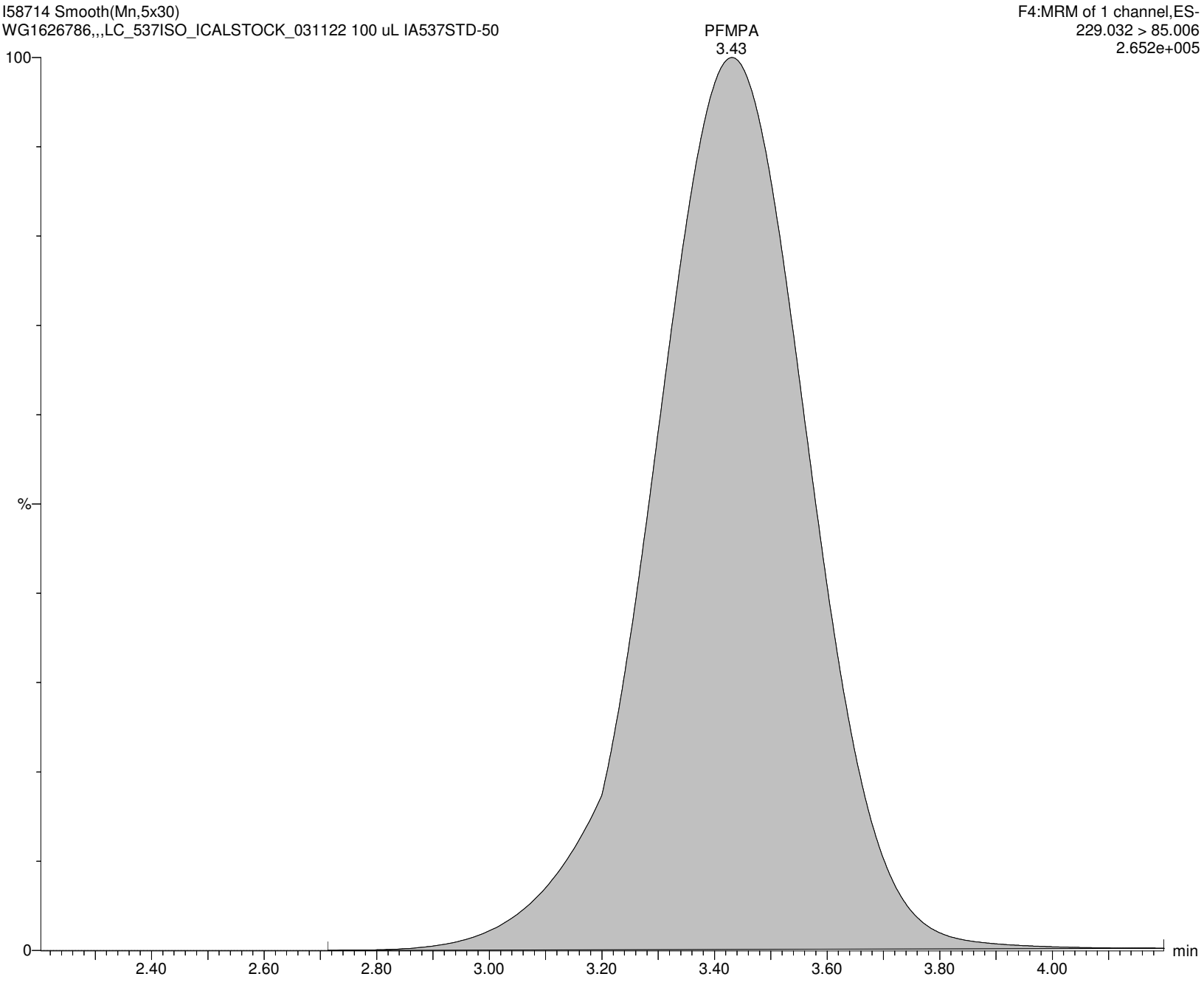


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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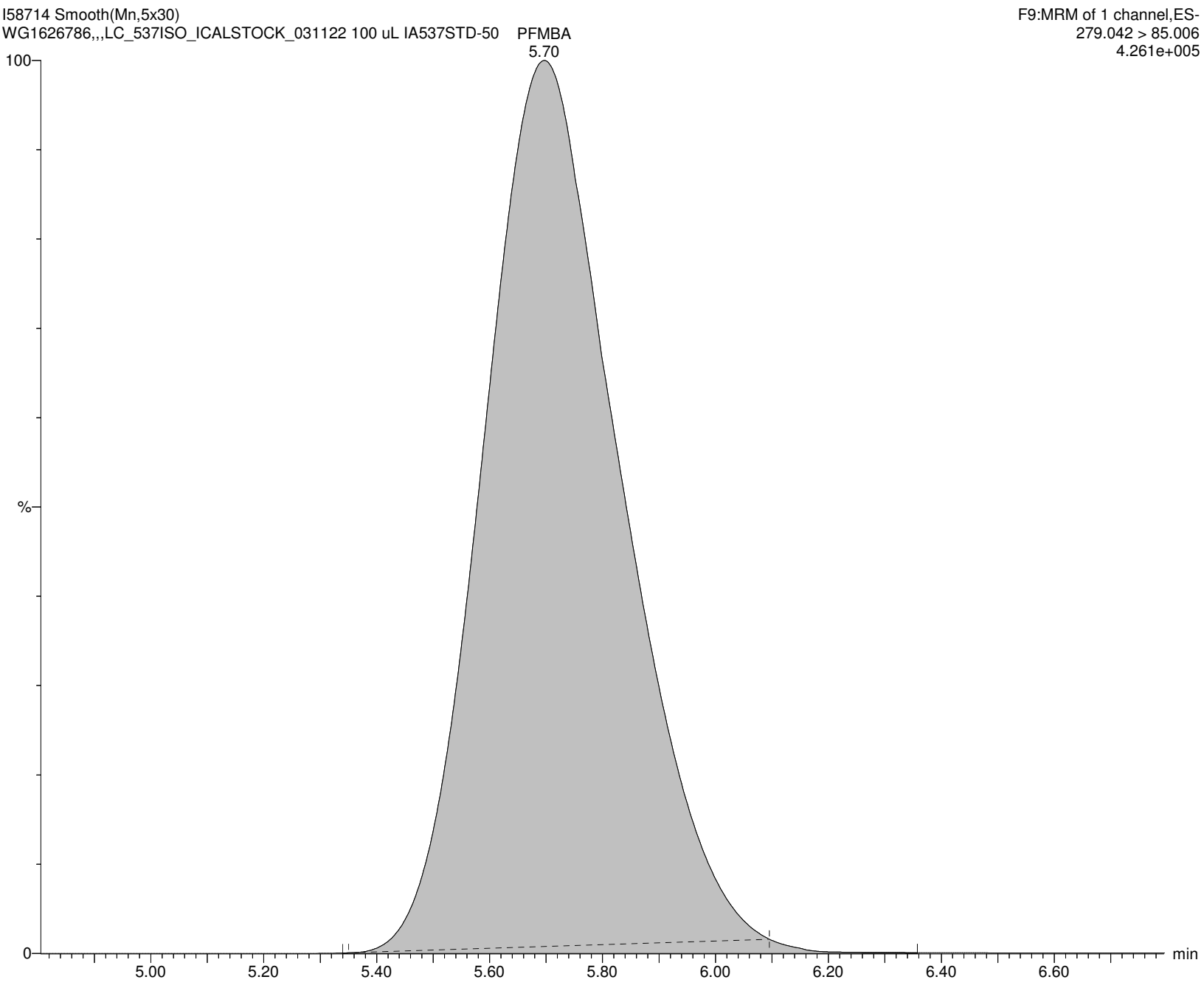


all concentration units in (ng/mL)

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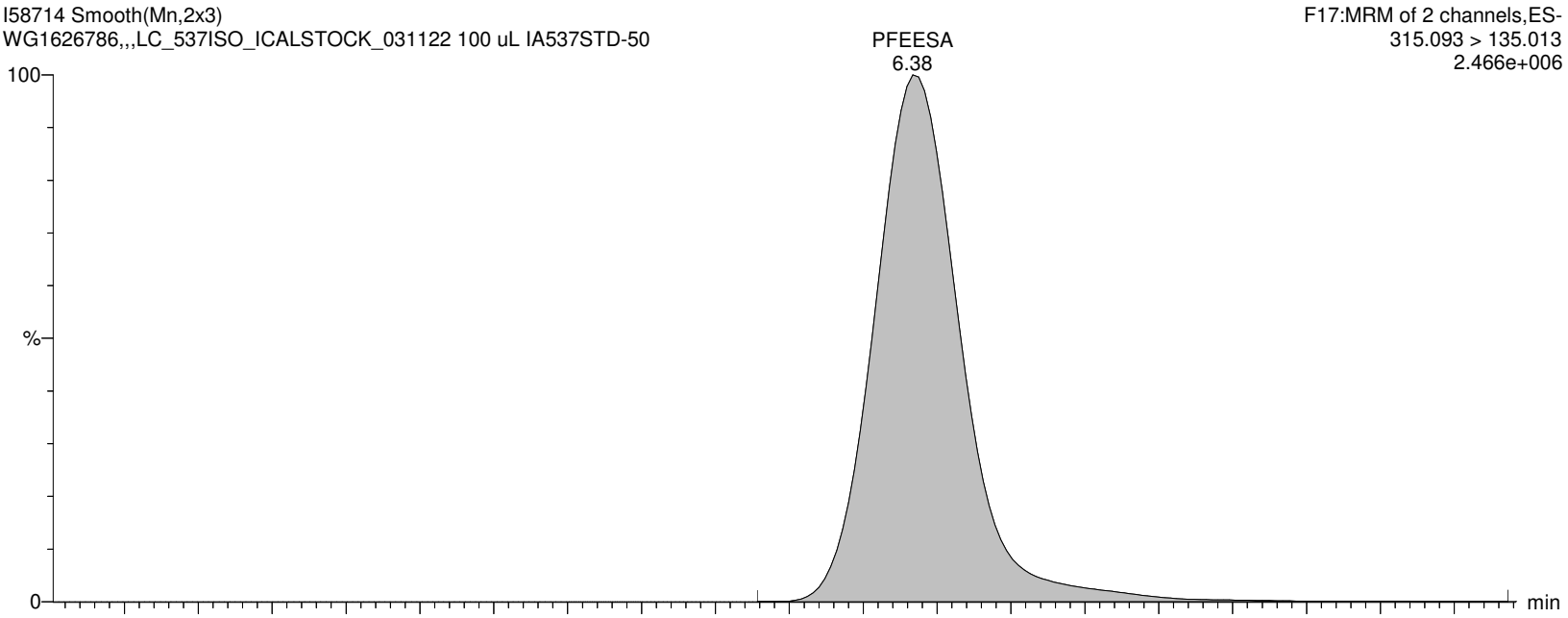


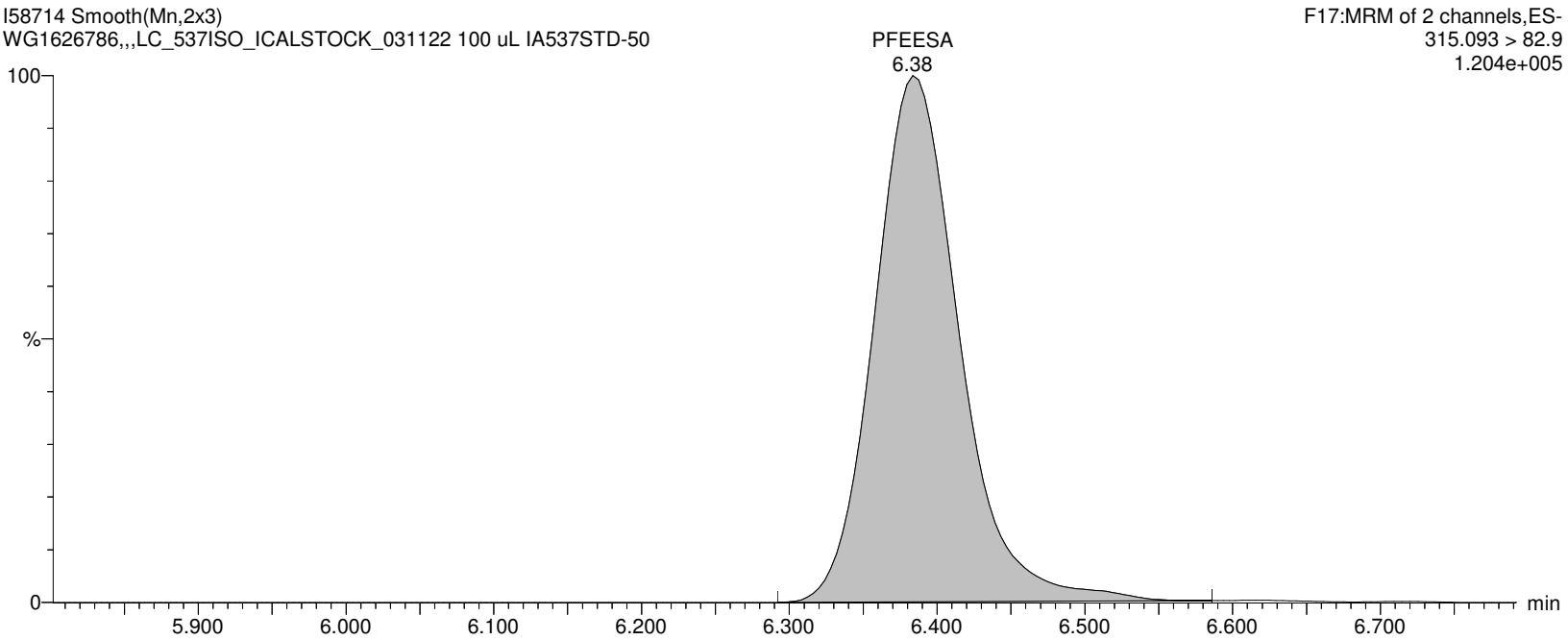
all concentration units in (ng/mL)

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PFEESA



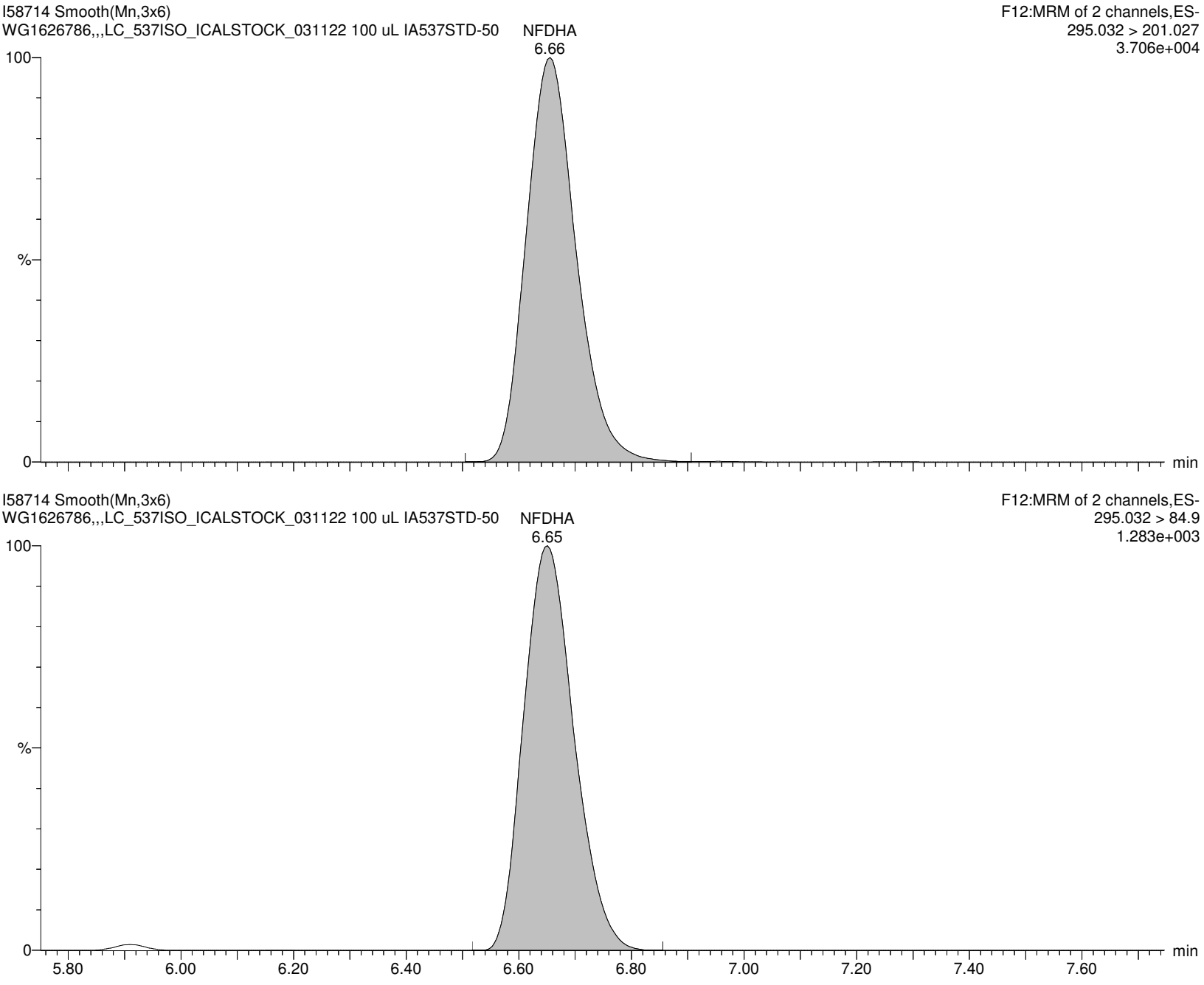


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA



all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
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Time: 18:12:37
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	238355		102.827		na	102.8
2	M3PFBA	INT STD	2.11	216.009 > 171.999	24126		9.472		na	94.7
3	MPFBA	INT STD	2.11	217.001 > 171.999	27020		10.039		na	100.4
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	255473		103.595		na	103.6
5	M5PFPEA	INT STD	4.97	268.001 > 222.999	31925		9.657		na	96.6
6	PFBS	375-73-5	5.63	299.092 > 80.062	57746		91.110	1.96	NO	102.7
7	M3PFBS	INT STD	5.63	302.069 > 80.062	5728		9.639		na	103.4
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	25636		91.509	2.40	NO	97.7
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	3892		14.674		na	156.4
10	PFHxA	307-24-4	6.88	313.047 > 269.037	398759		103.429	17.65	NO	103.4
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	39653		10.050		na	100.5
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	56335		96.985	2.34	NO	103.1
13	PFHpA	375-85-9	8.16	363.055 > 319.045	475690		103.035	6.33	NO	103.0
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	45900		9.721		na	97.2
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	10003	M5,M7	19.505	2.22	NO	103.2
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	41509		84.054	1.65	NO	103.6
17	PFHxS	355-46-4		399.107 > 80.062	51512		103.559		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	5354		9.608		na	101.3
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	638982		103.999	9.58	NO	104.0
21	PFOA	335-67-1		412.8430 > 368.9430	638982		103.999		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	62419		9.798		na	98.0
23	M2PFOA	INT STD	9.11	414.828 > 369.935	58891		9.030		na	90.3
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	23116		95.018	3.31	NO	99.9
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	3465		14.533		na	152.8
26	PFHpS	375-92-8	9.21	449.115 > 80.062	35964		101.581	1.20	NO	106.6
27	PFNA	375-95-1	9.88	462.8510 > 418.951	511105		104.083	3.88	NO	104.1
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	57659		9.692		na	96.9
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	20040	M5,M7	22.604	4.09	NO	107.1
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	50538		83.244	1.75	NO	105.5
31	PFOS	1763-23-1		498.9030 > 79.9520	70579		105.847		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	5667		8.687		na	86.9
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	6803		9.333		na	97.3
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	505264		99.713	6.57	NO	99.7
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	45433		8.464		na	84.6
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	54301		10.020		na	100.2
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	26615		93.180	3.73	NO	97.1
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	2212		13.920		na	145.0
39	PFNS	68259-12-1	10.55	549.131 > 80.062	32968		102.836	1.49	NO	106.9

all concentration units in (ng/mL)

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ID: IA537STD-100
Name: I58715
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Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 200 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2365		10.541		na	105.4
41	br-NMeFOSAA		10.74	570.202 > 419.061	2965	M5,M7	26.644	0.88	NO	111.0
42	L-NMeFOSAA		10.90	570.202 > 419.061	23248		81.371	1.85	NO	107.1
43	NMeFOSAA	2355-31-9		570.202 > 419.061	26213		108.015		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	492870		103.553	11.57	NO	103.6
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	31439		9.752		na	97.5
46	PFDS	335-77-3	11.08	599.139 > 80.062	34240		106.072	1.73	NO	109.9
47	FOSA	754-91-6	10.93	498.146 > 78.07	115295		104.743	89.51	NO	104.7
48	M8FOSA	INT STD	10.93	506.077 > 78.07	15896		10.495		na	105.0
49	br-NEtFOSAA		11.04	584.229 > 419.061	1681	M5,M7	23.945	0.55	NO	106.4
50	L-NEtFOSAA		11.19	584.229 > 419.061	16963		83.038	1.15	NO	107.1
51	NEtFOSAA	2991-50-6		584.229 > 419.061	18644		106.984		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2053	M4	10.970		na	109.7
53	PFDoA	307-55-1	11.54	613.094 > 569.084	240968		106.365	22.36	NO	106.4
54	MPFDOA	INT STD	11.54	615.079 > 570.077	20263		9.893		na	98.9
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	181128		102.185	10.69	NO	102.2
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	322541		108.305	9.93	NO	108.3
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	44636		10.318		na	103.2
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	3656		142.613		na	71.3
59	HFPO-DA	13252-13-6	7.31	285.035 > 169.022	22739		1137.936	1.85	YES	113.8
60	ADONA	958445-44-8	8.34	377.06 > 251.028	350868		95.989	26.78	NO	101.6
61	PFHxDA		12.75	813.122 > 768.8565	92715		102.444	20.24	NO	102.4
62	PFODA		12.97	913.411 > 868.7332	18157		102.103	16.56	NO	102.1
63	M2PFHxDA		12.75	815.102 > 770.108	8081		11.000		na	110.0
64	PFDoS		11.95	699.154 > 80.062	22592		116.289	2.16	NO	116.3
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1321	M4	19.342		na	98.7
66	10:2FTS		11.56	627.192 > 607.186	8643		97.258	1.45	NO	100.7
67	9CL-PF3ONS		10.29	530.862 > 350.843	302839		99.578	2.74	NO	106.7
68	11CL-PFOUdS		11.34	630.862 > 450.854	238405		97.791	3.26	NO	103.7
69	NMeFOSA		11.55	512.163 > 169.022	104838		503.299	2.03	NO	100.7
70	d3-NMeFOSA		11.54	515.183 > 169.022	24373		104.653		na	104.7
71	NEtFOSA		11.85	526.192 > 169.022	129537		506.745	4.56	NO	101.3
72	d5-NEtFOSA		11.84	531.222 > 169.022	29755		106.548		na	106.5
73	NMeFOSE		11.55	615.8 > 59.045	197167		256.503		na	102.6
74	d7-NMeFOSE		11.53	622.84 > 59.045	27782		100.219		na	100.2
75	NEtFOSE		11.84	629.862 > 59.045	233932		252.971		na	101.2
76	d9-NEtFOSE		11.82	638.734 > 59.045	36538		106.895		na	106.9
77	M3PFPeA		4.97	266.017 > 222.007	19223		9.254		na	92.5
78	M2PFHxA		6.88	315.032 > 270.03	21095		9.168		na	91.7
79	M4PFOA		9.12	417.032 > 372.03	31030		9.036		na	90.4
80	PFPrS	423-41-6	3.43	249.084 > 80.062	66605		93.449	2.96	NO	101.6
81	PFMPA		3.43	229.032 > 85.006	163186		103.686		na	103.7
82	PFMBA		5.70	279.042 > 85.006	229695	M4	106.341		na	106.3

all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.38	315.093 > 135.013	324382		92.161	21.47	NO	103.6
84	NFDHA		6.65	295.032 > 201.027	4995		81.733	27.00	NO	81.7

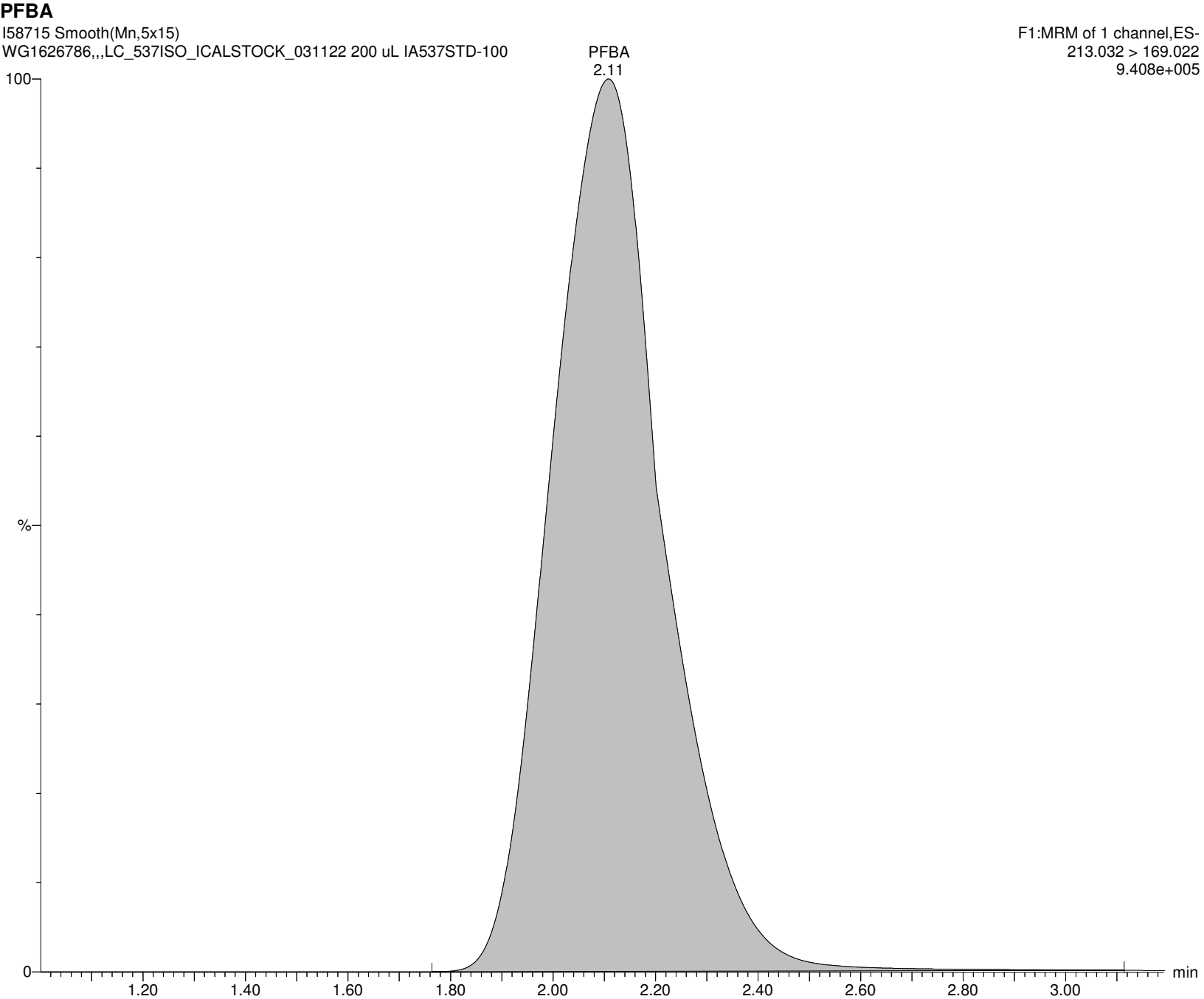
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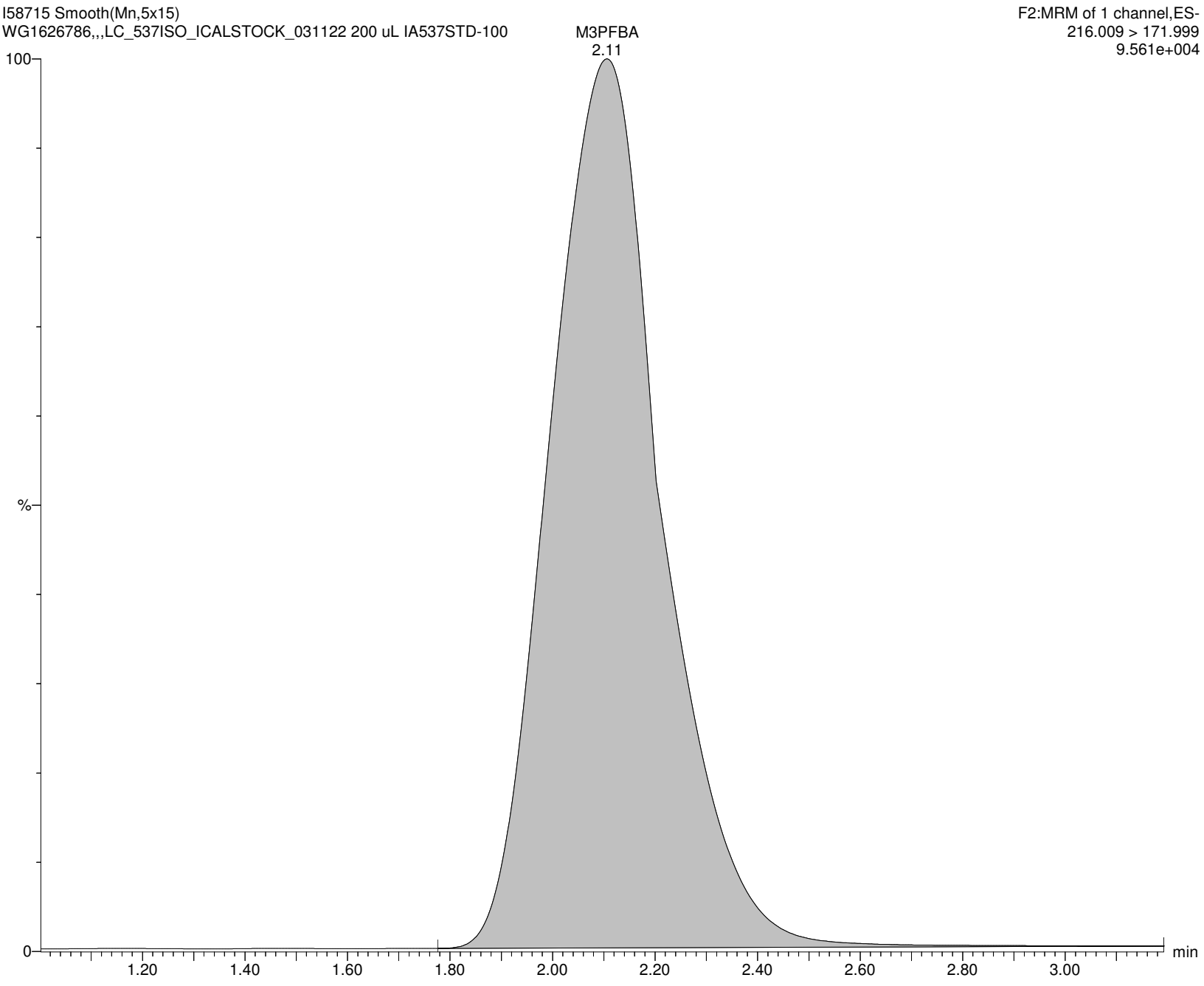


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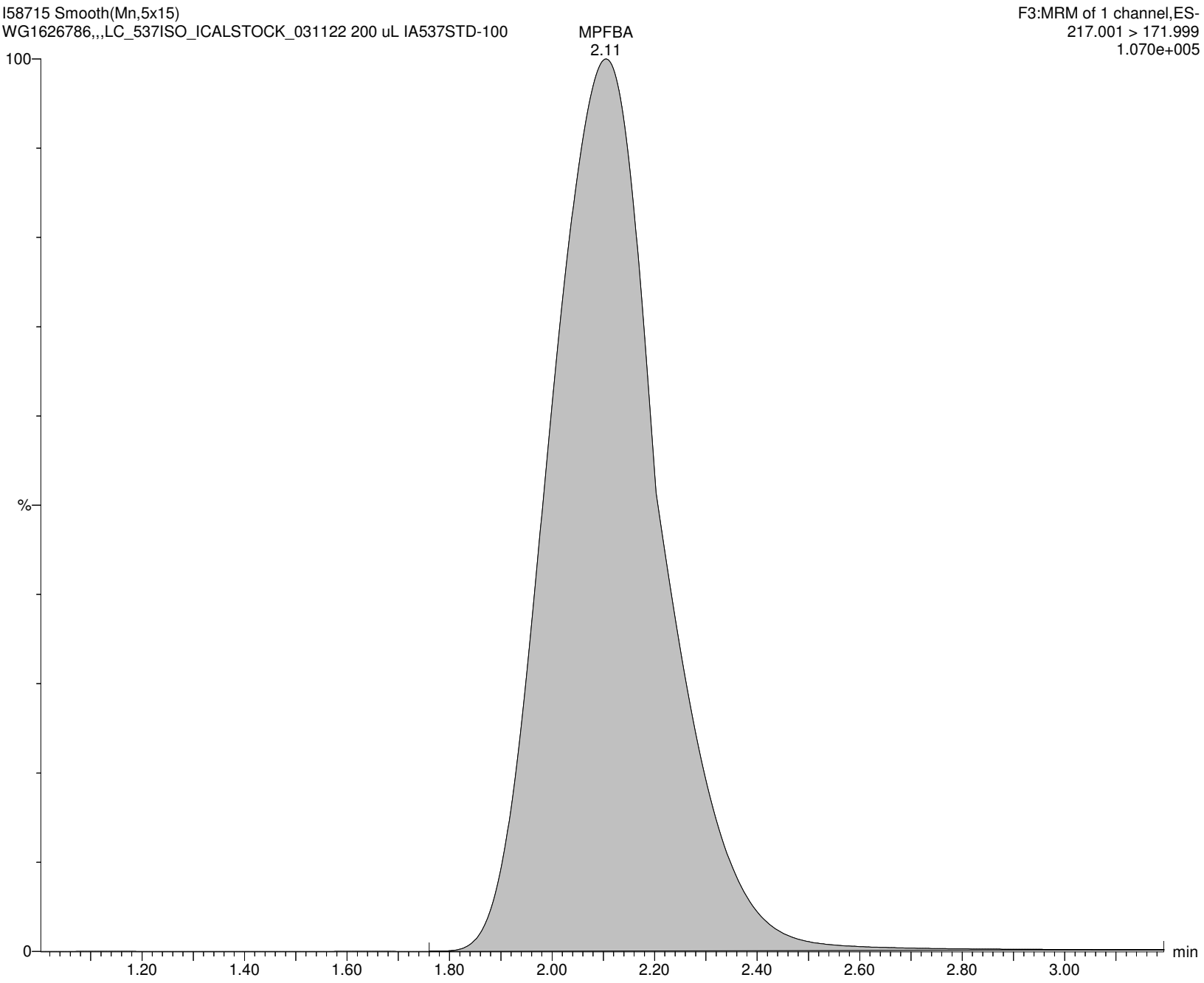


all concentration units in (ng/mL)

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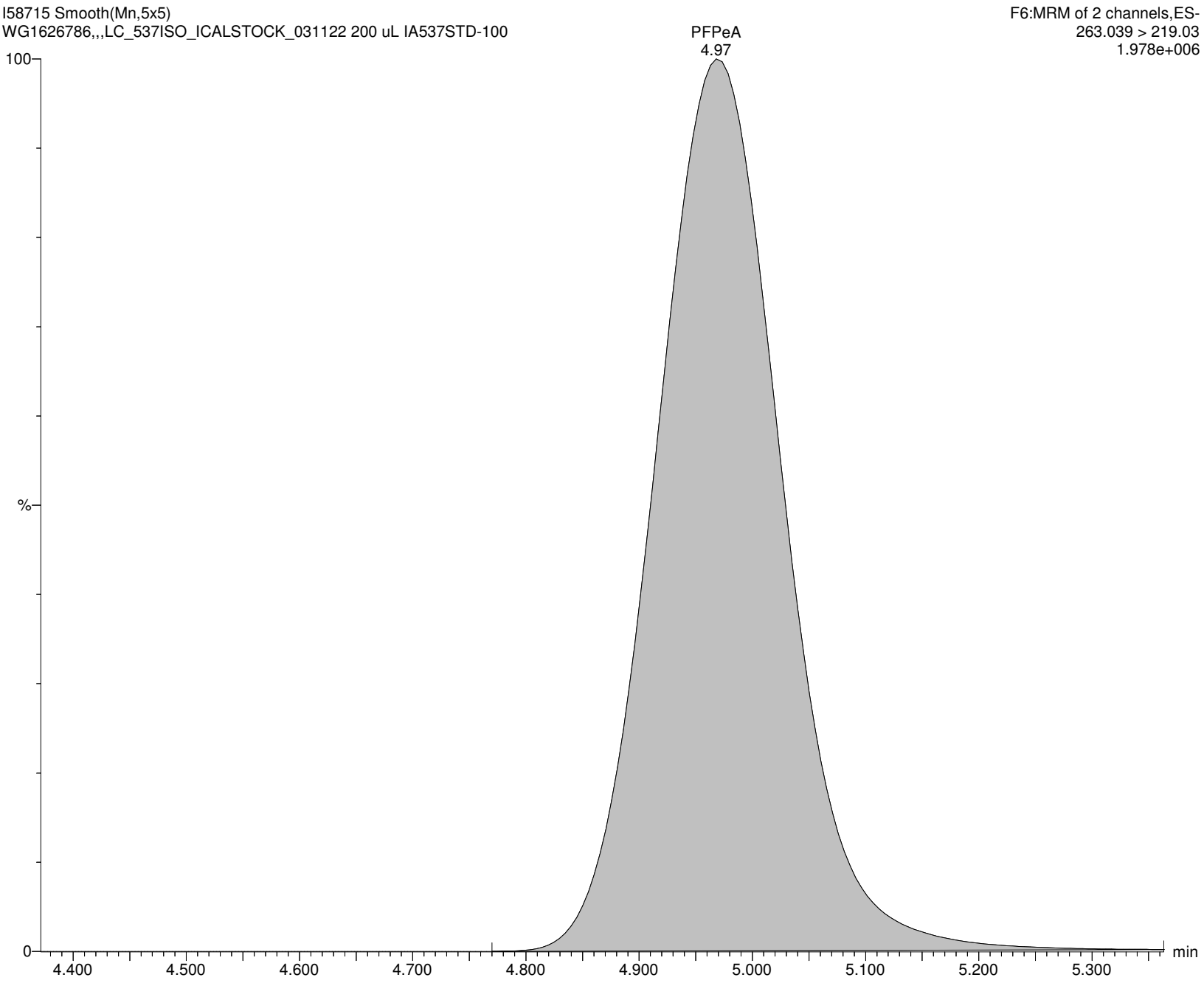


all concentration units in (ng/mL)

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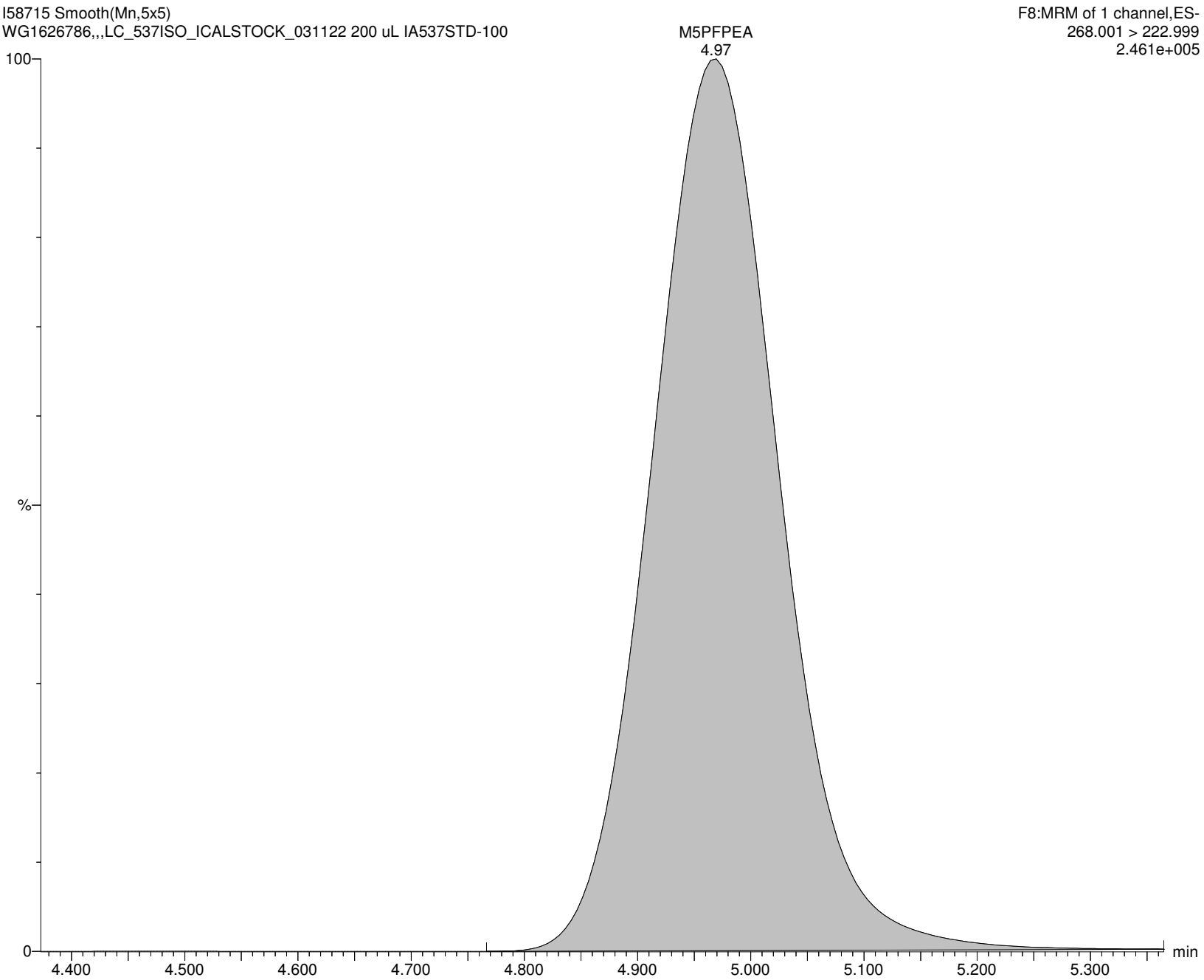


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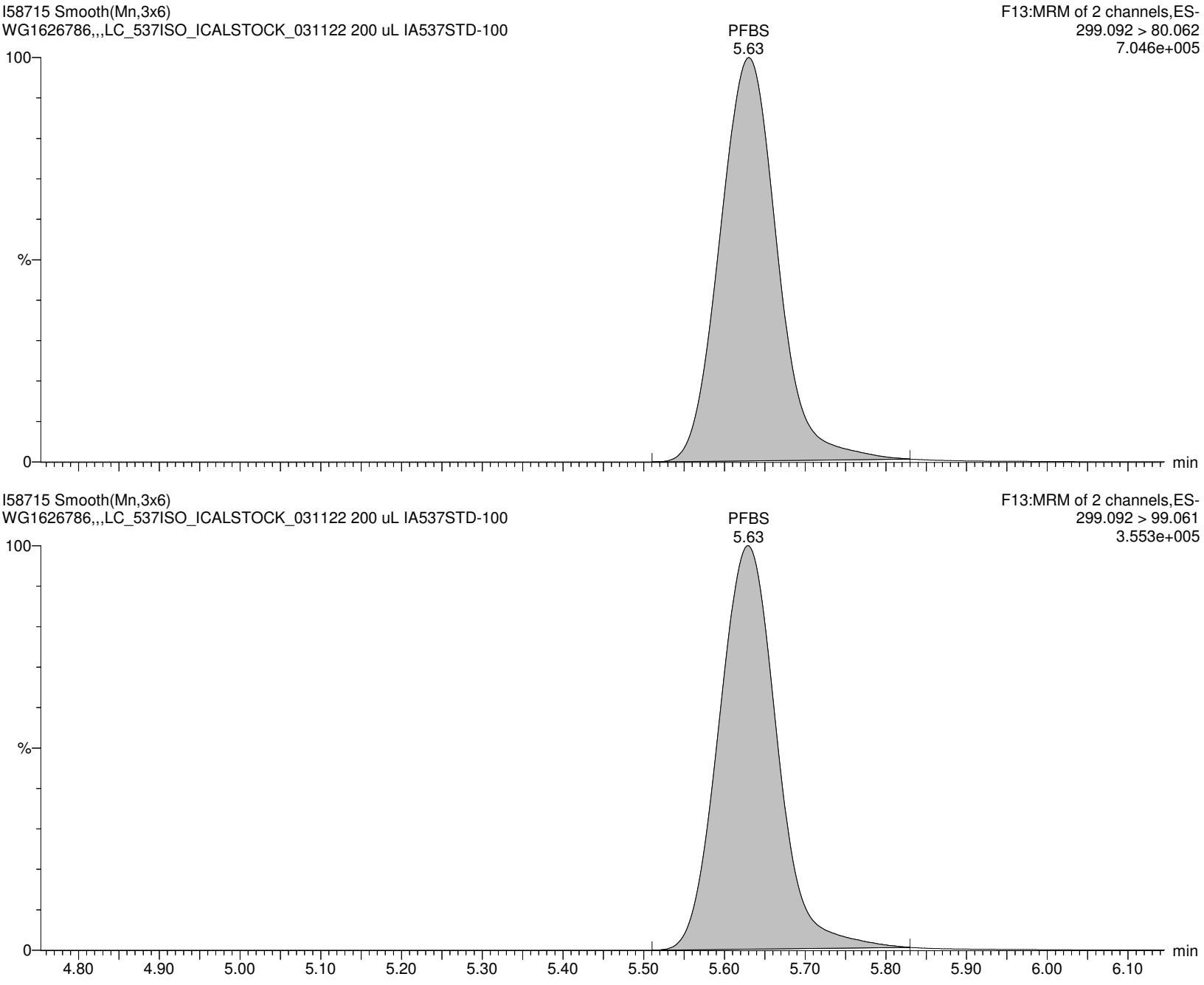


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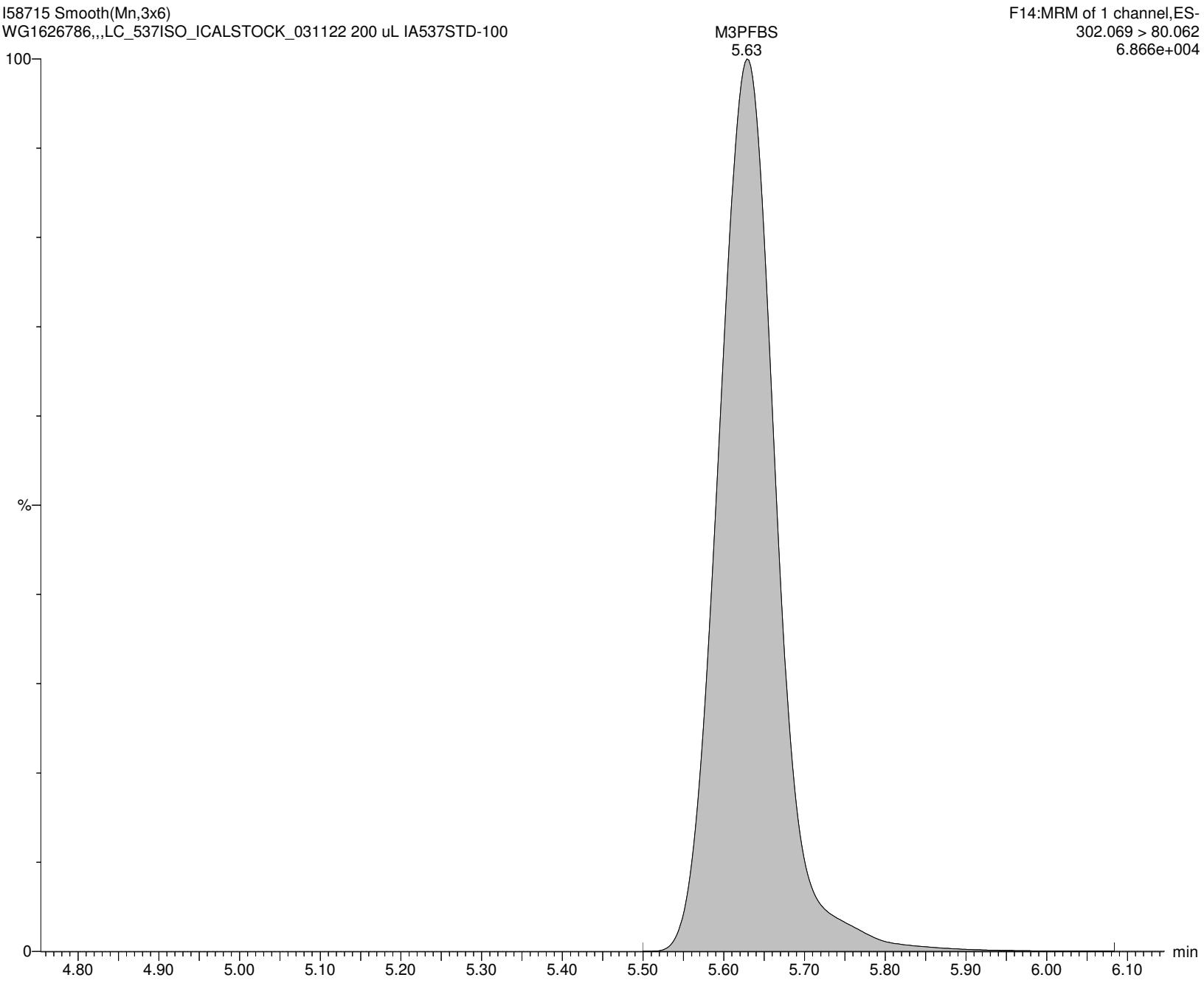


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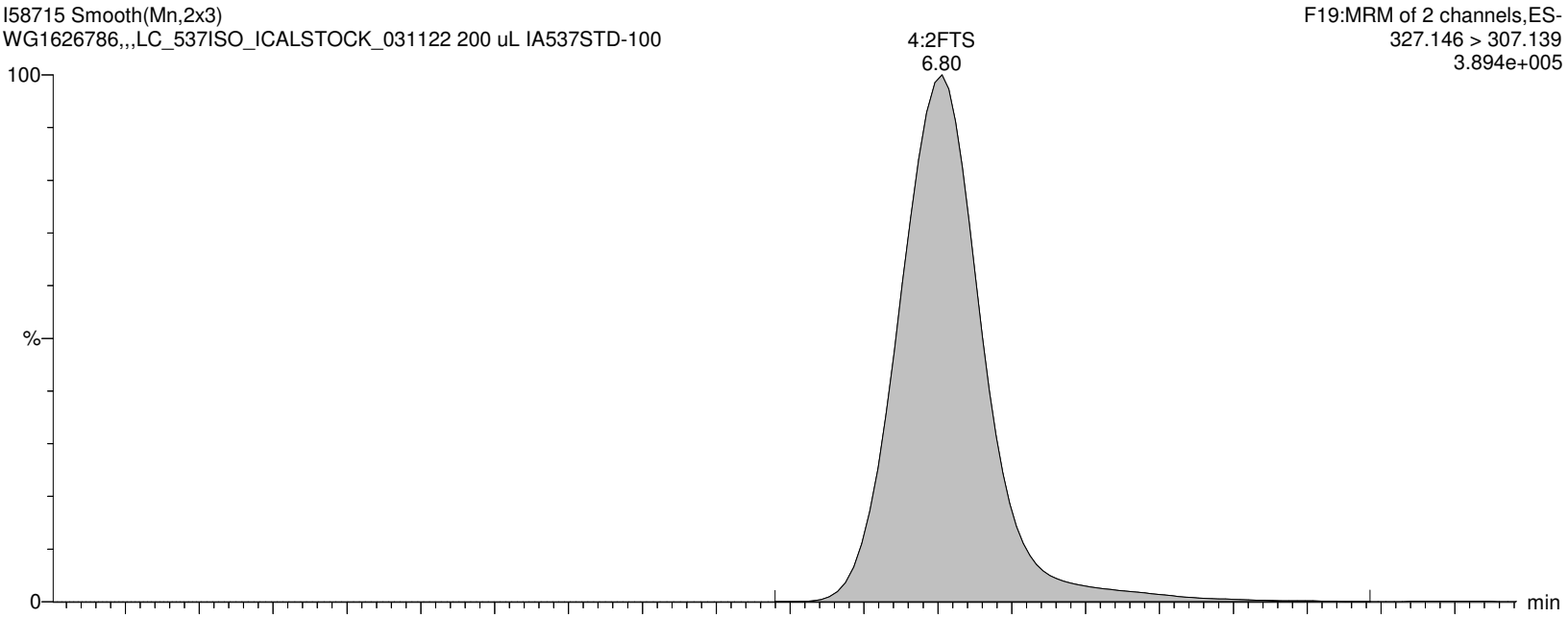


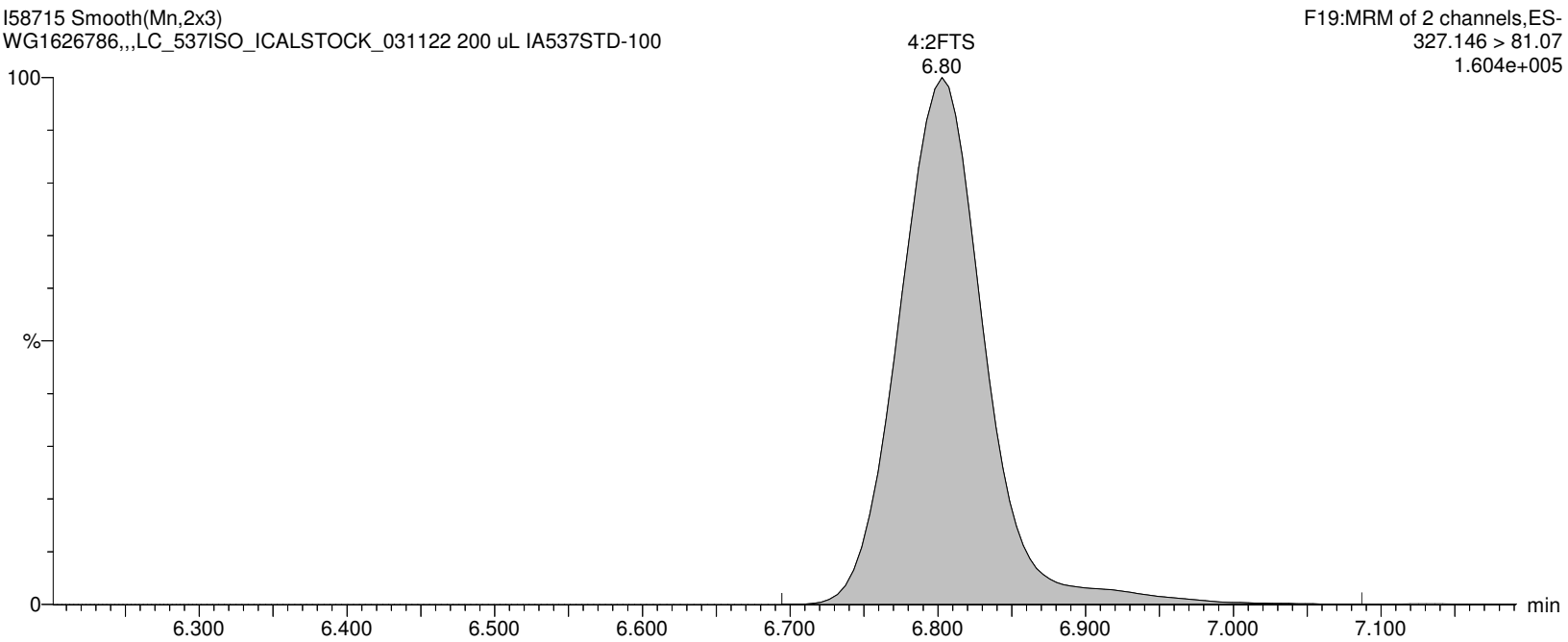
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4:2FTS



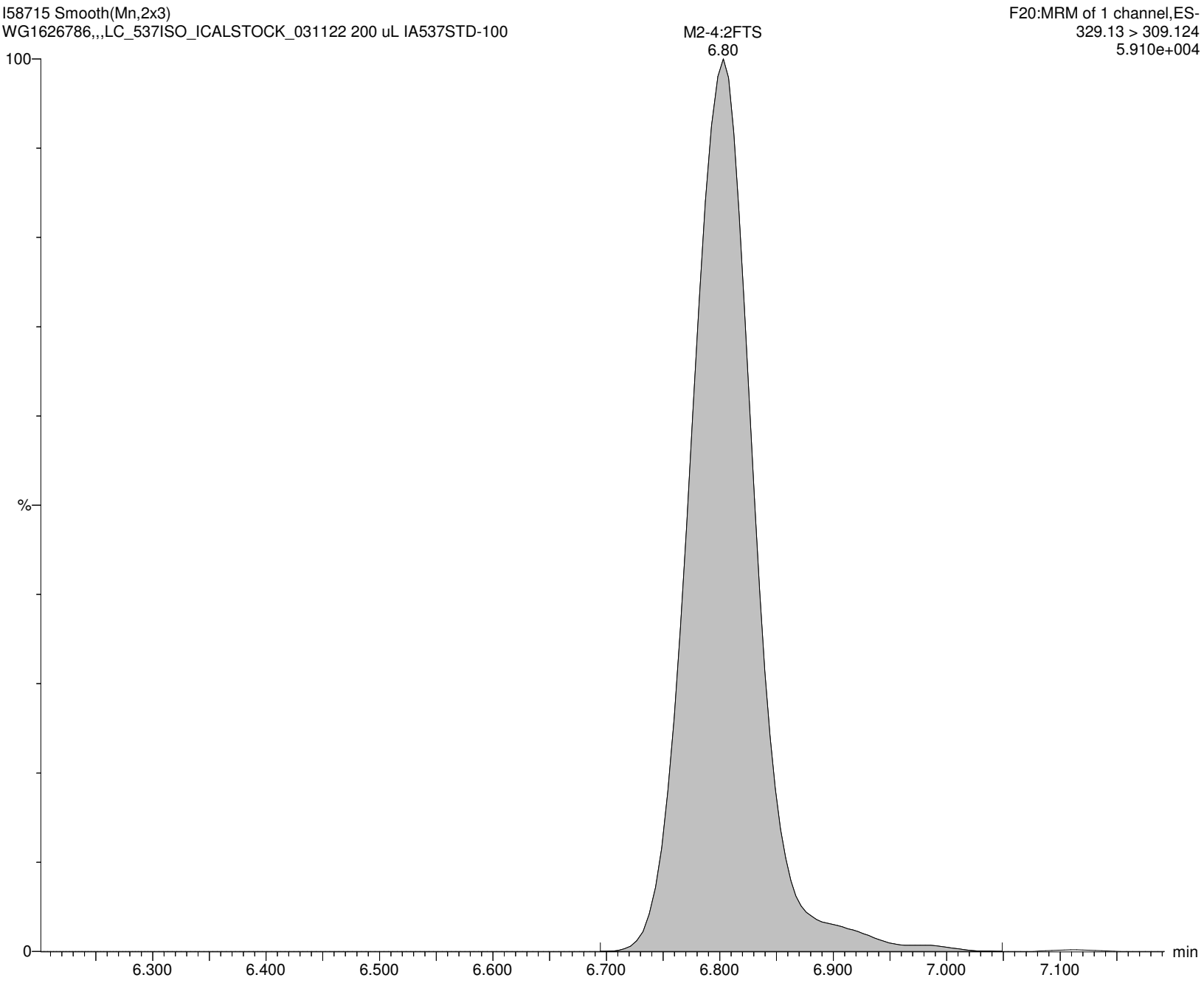


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M2-4:2FTS

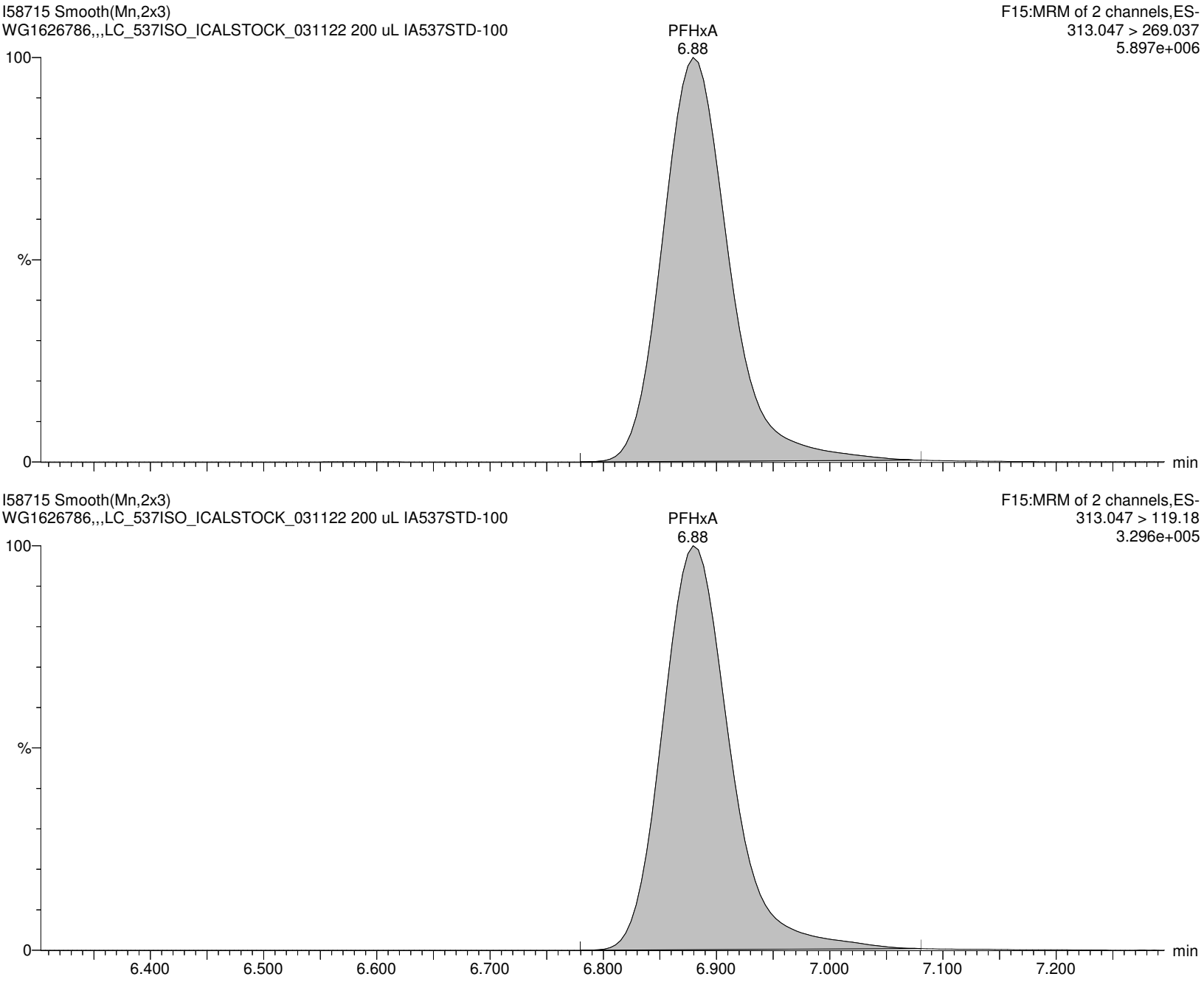


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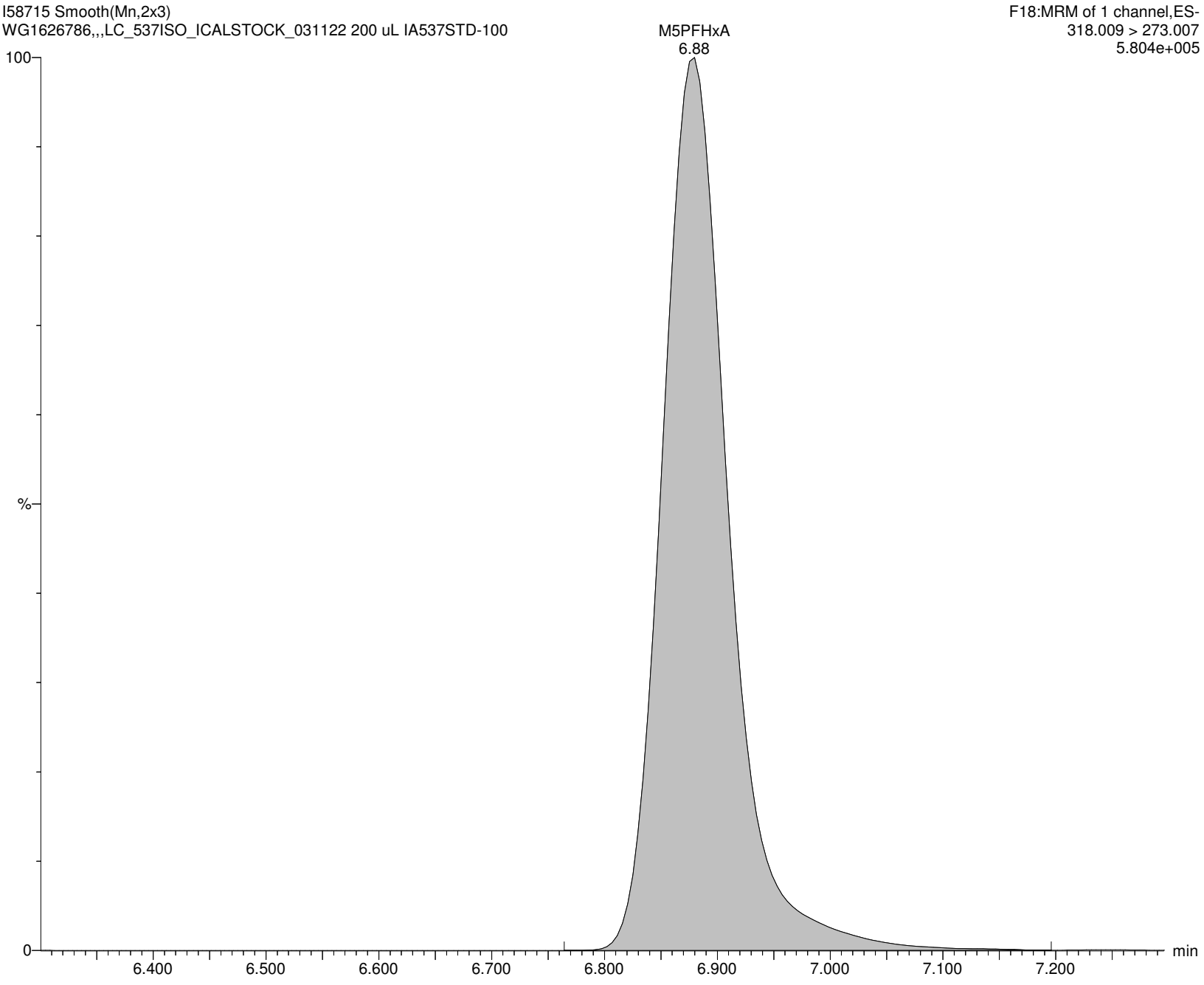


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:12:37
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User: LCMS02:MP
Vial: 1:B,1
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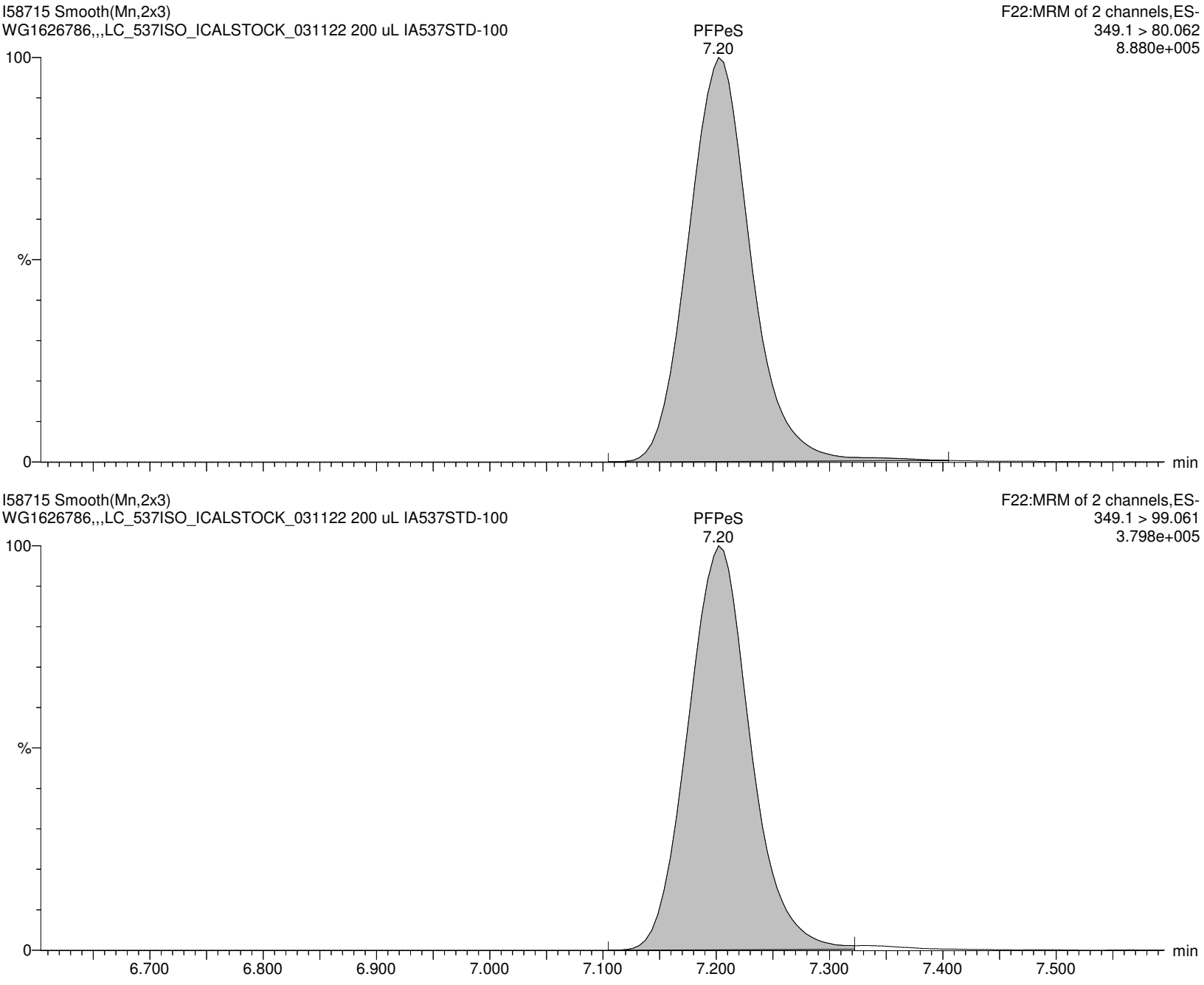


all concentration units in (ng/mL)

Alpha Analytical Inc.
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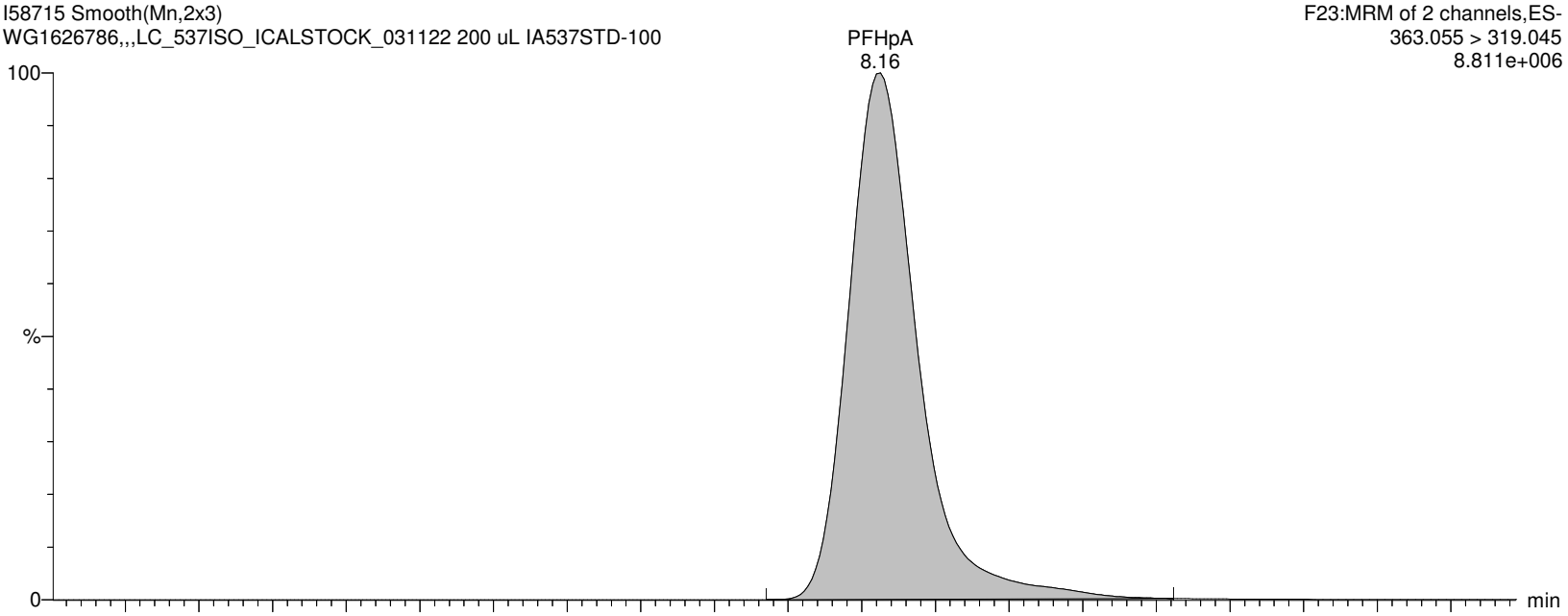


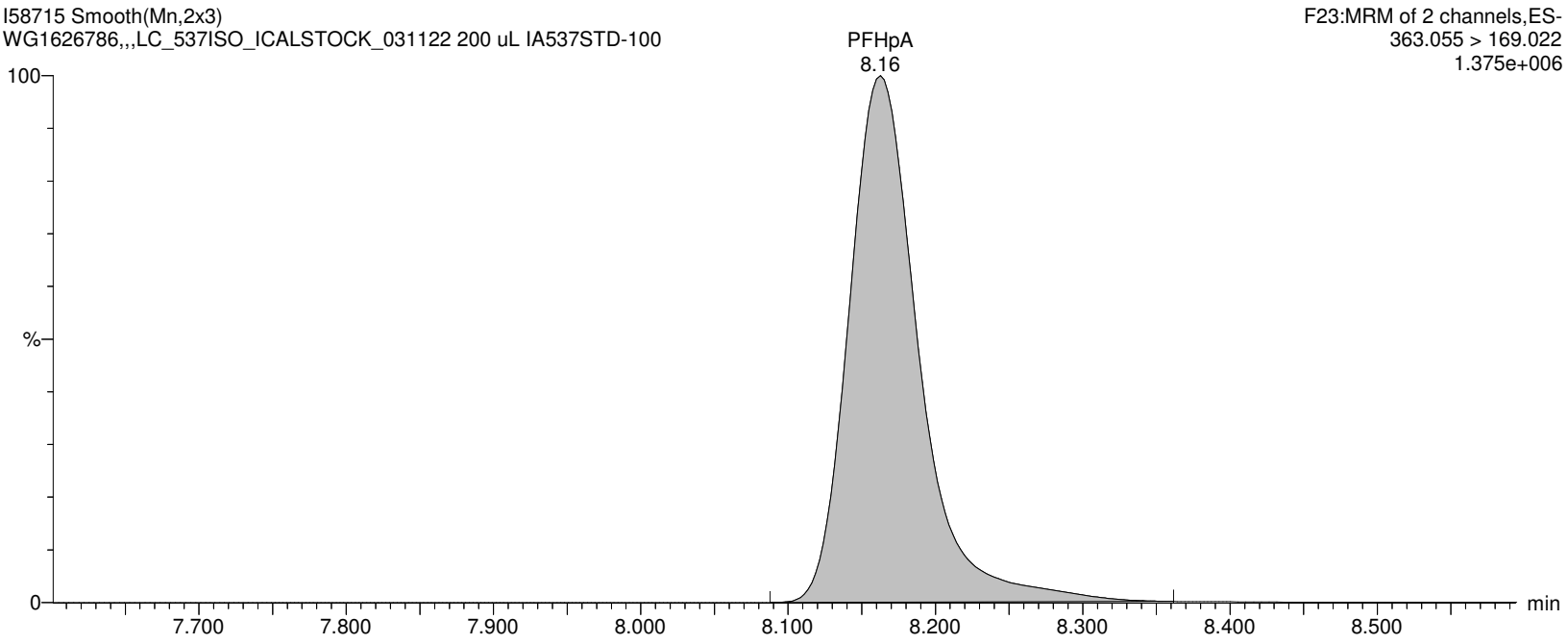
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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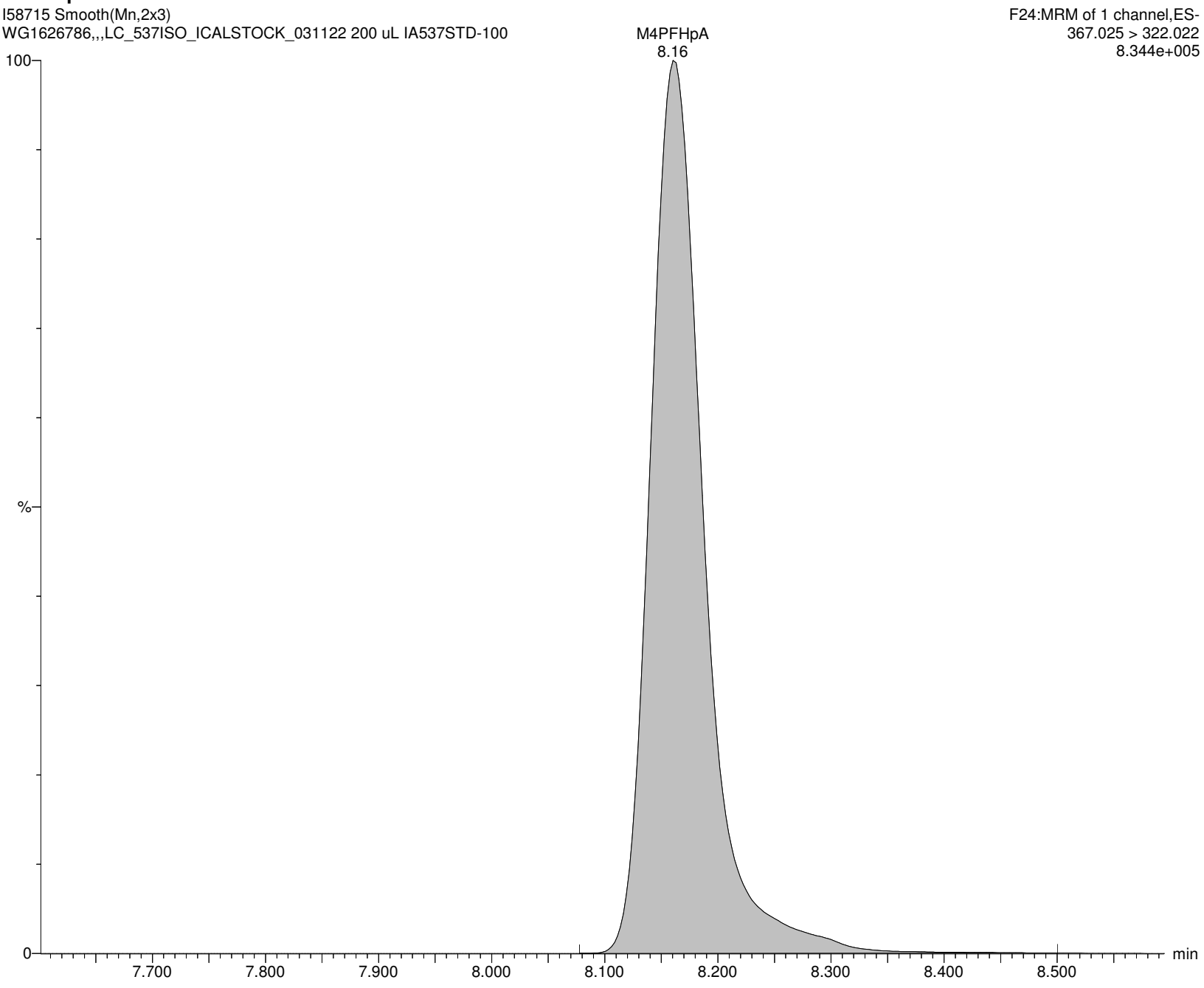


all concentration units in (ng/mL)

Alpha Analytical Inc.
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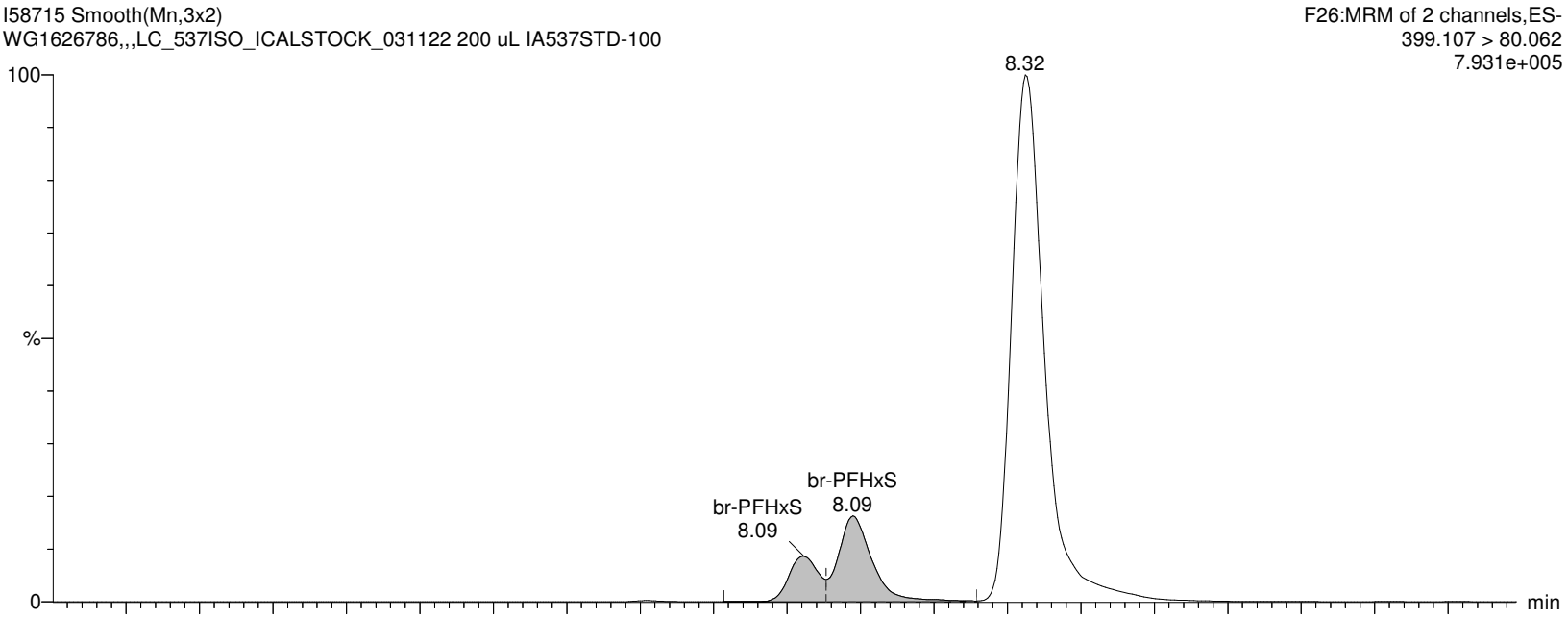


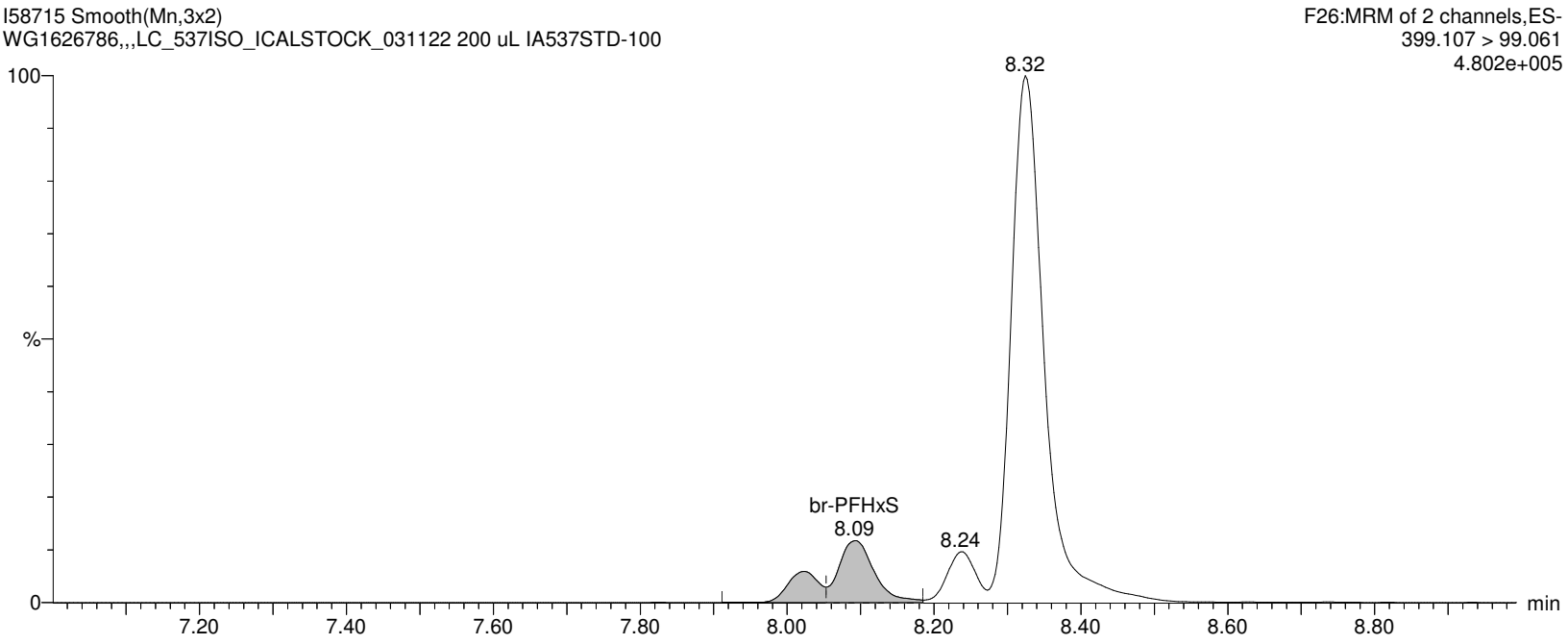
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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br-PFHxS



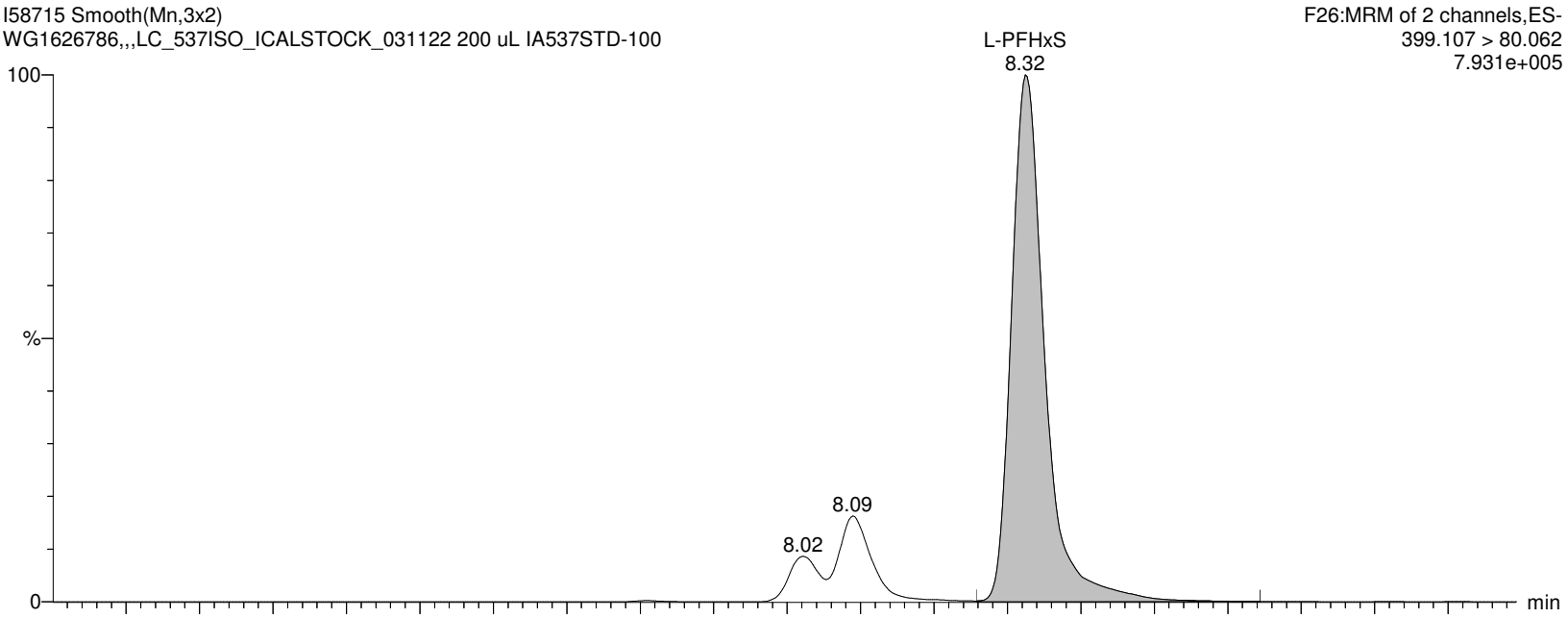


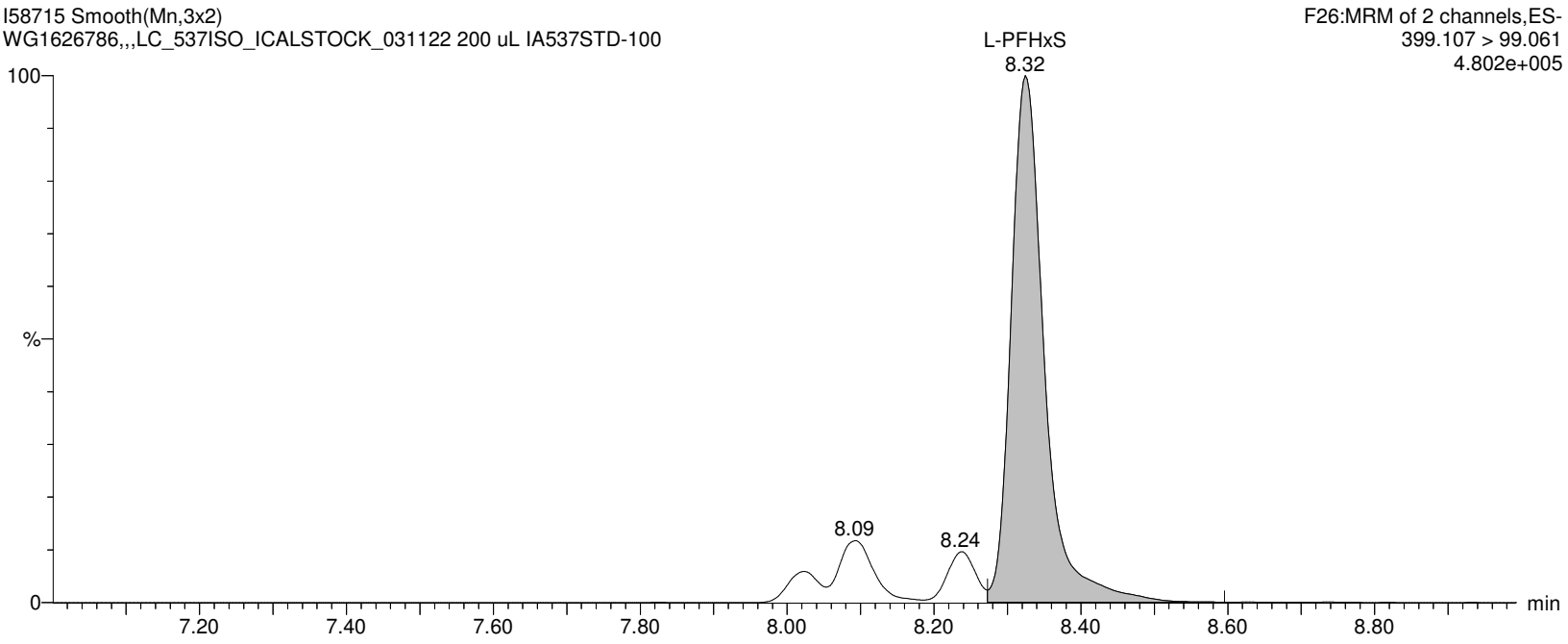
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS



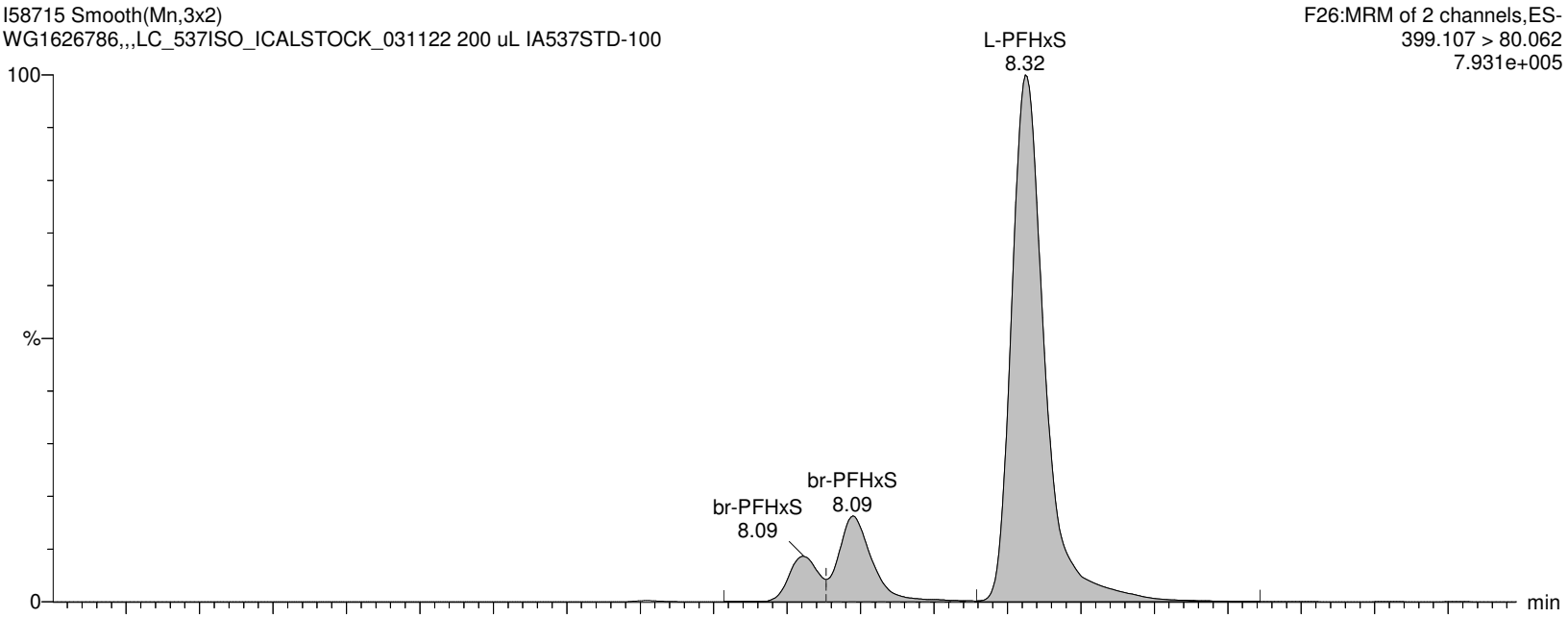


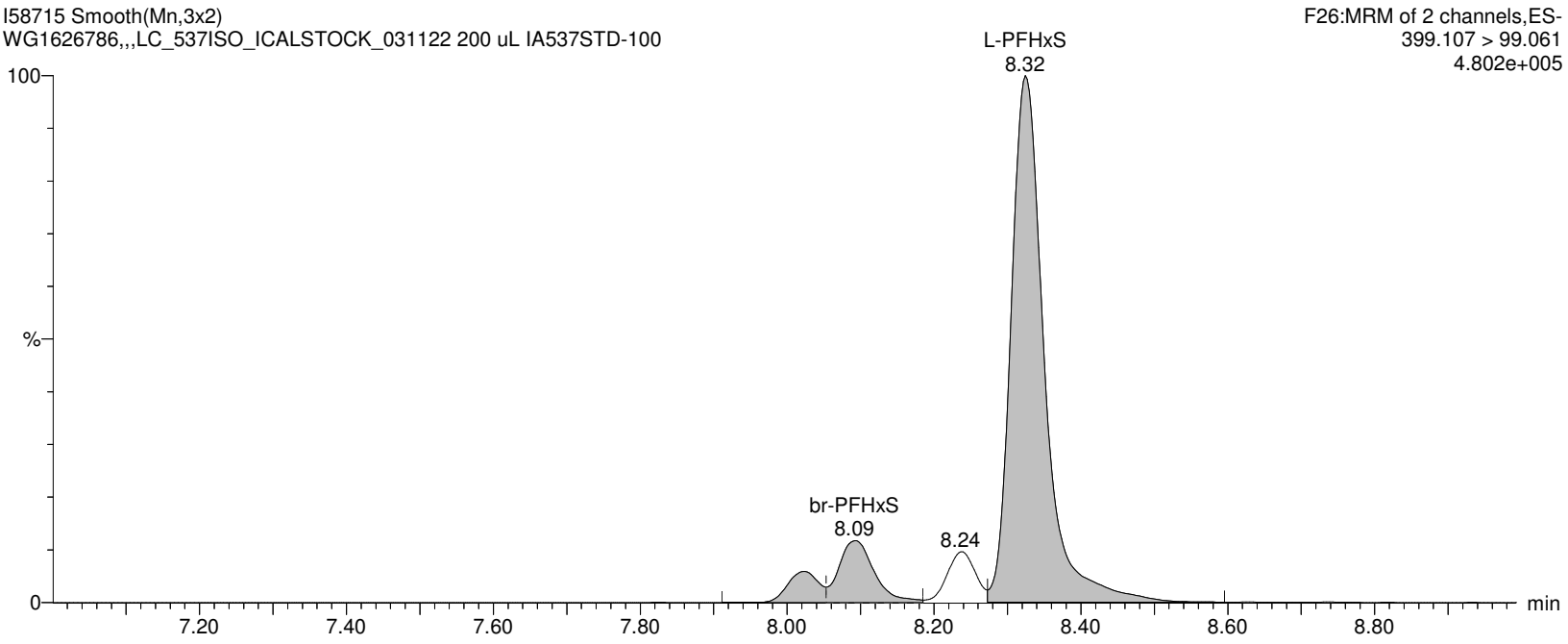
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxS



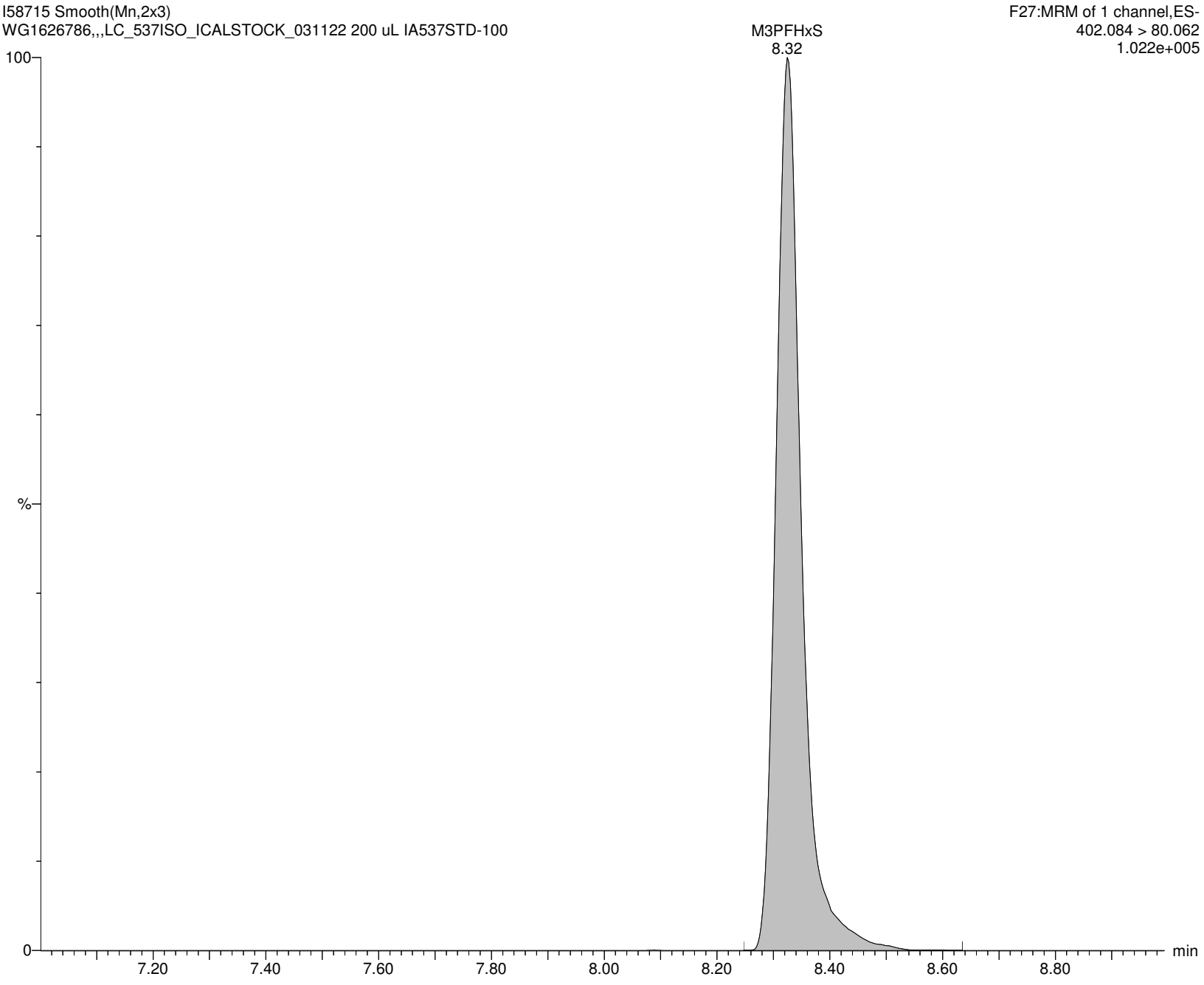


all concentration units in (ng/mL)

Alpha Analytical Inc.
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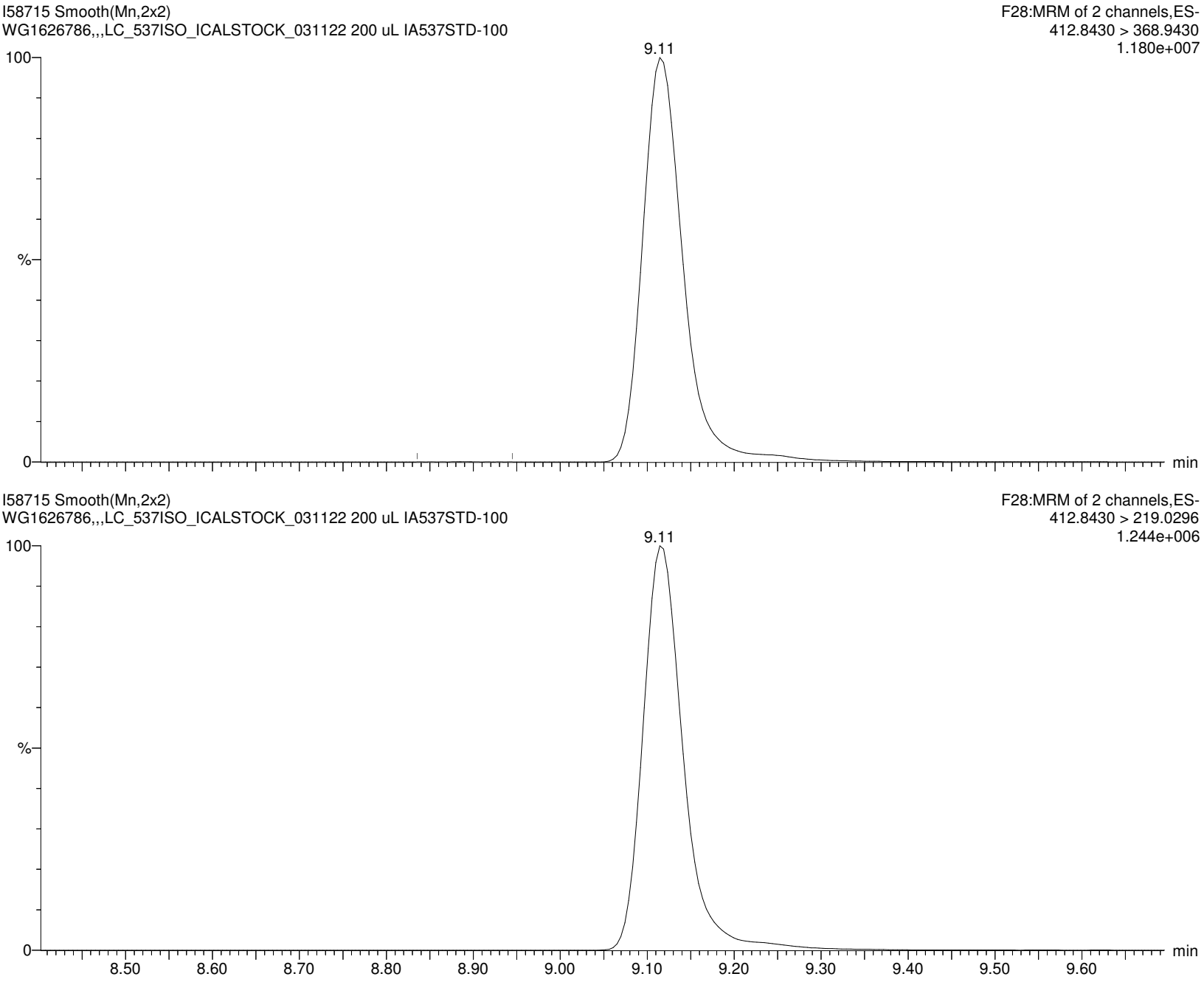


all concentration units in (ng/mL)

Alpha Analytical Inc.
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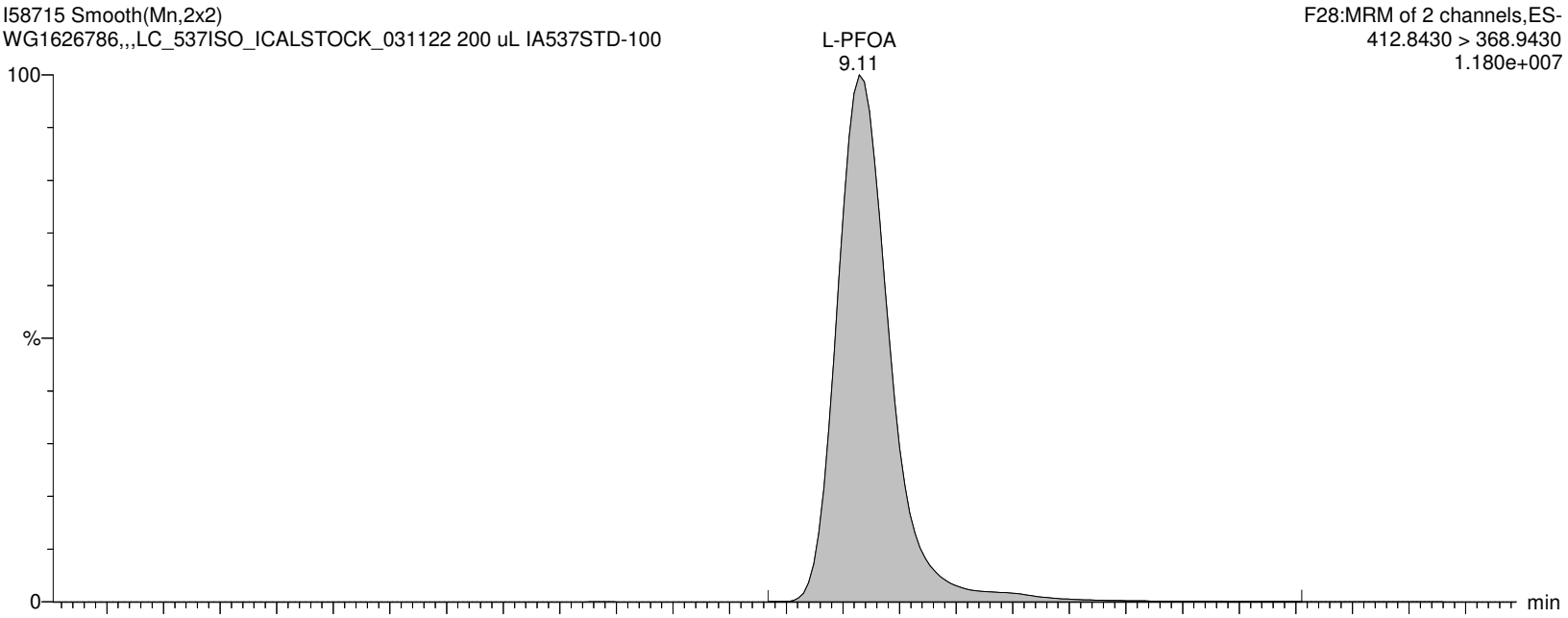


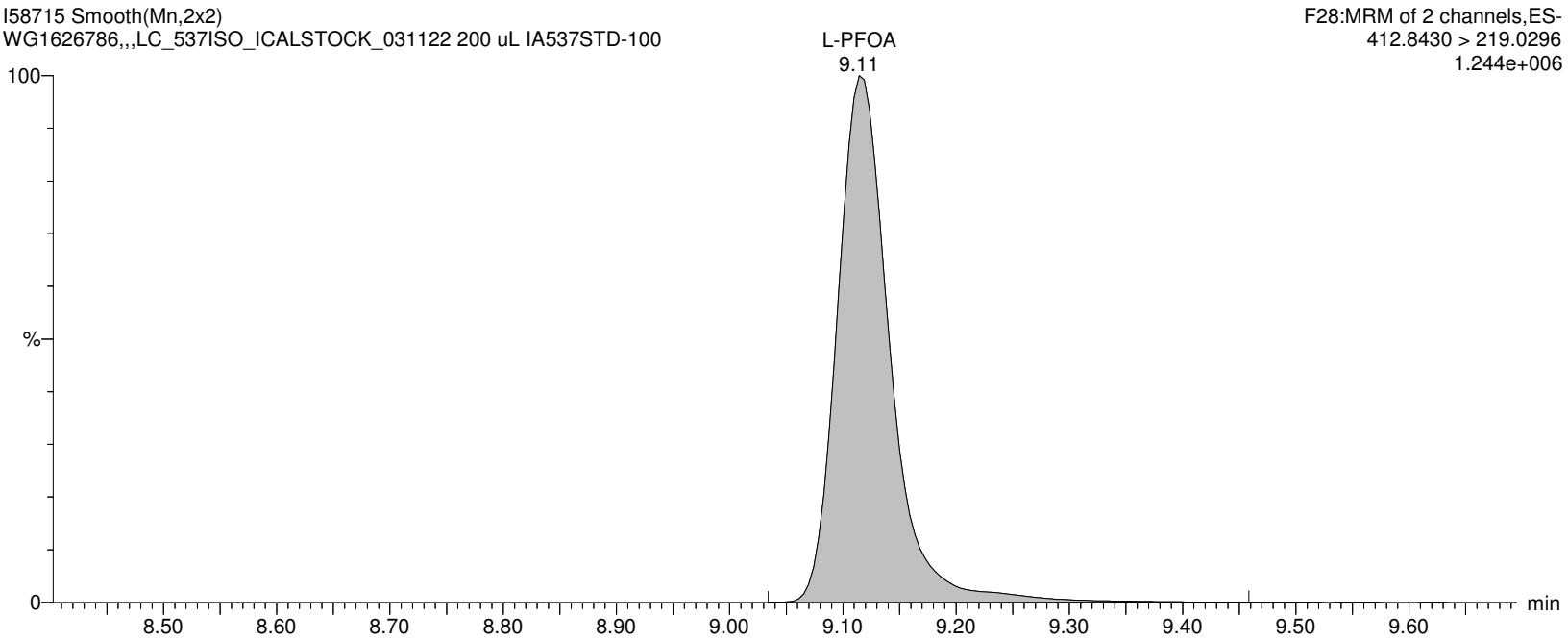
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOA



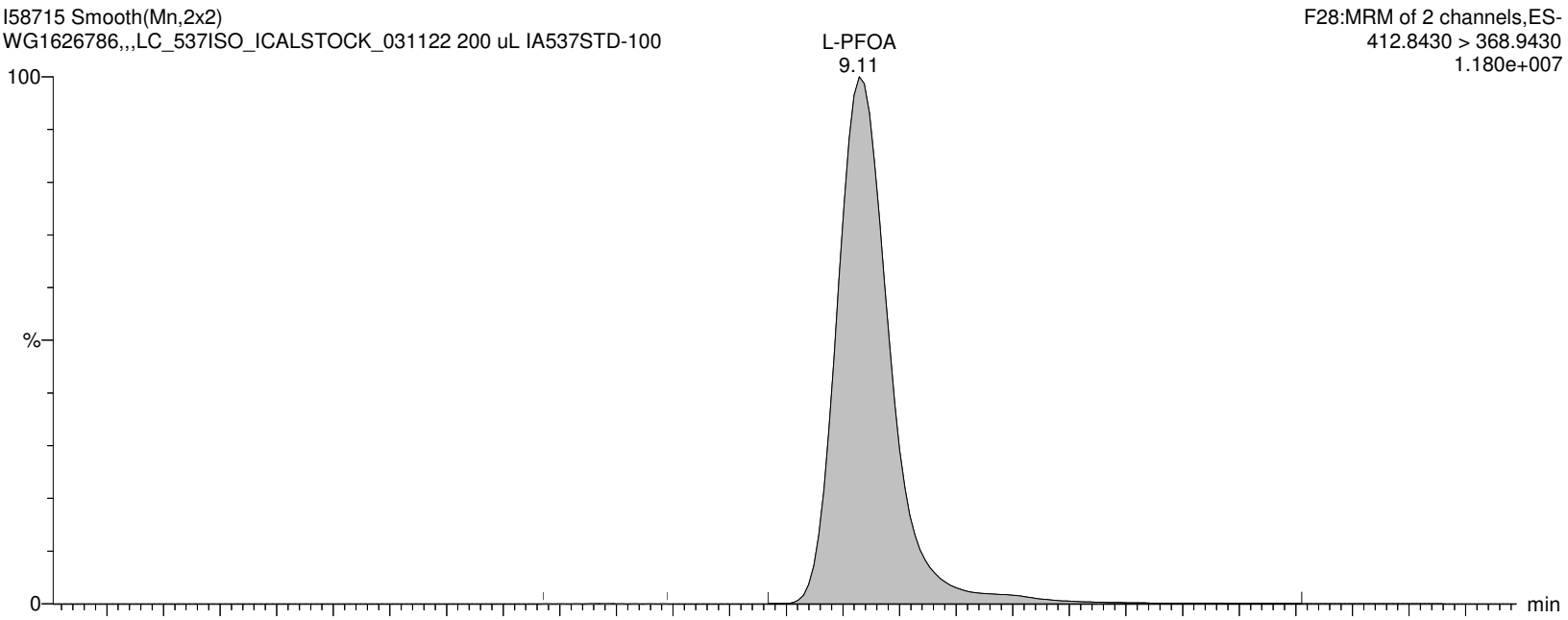


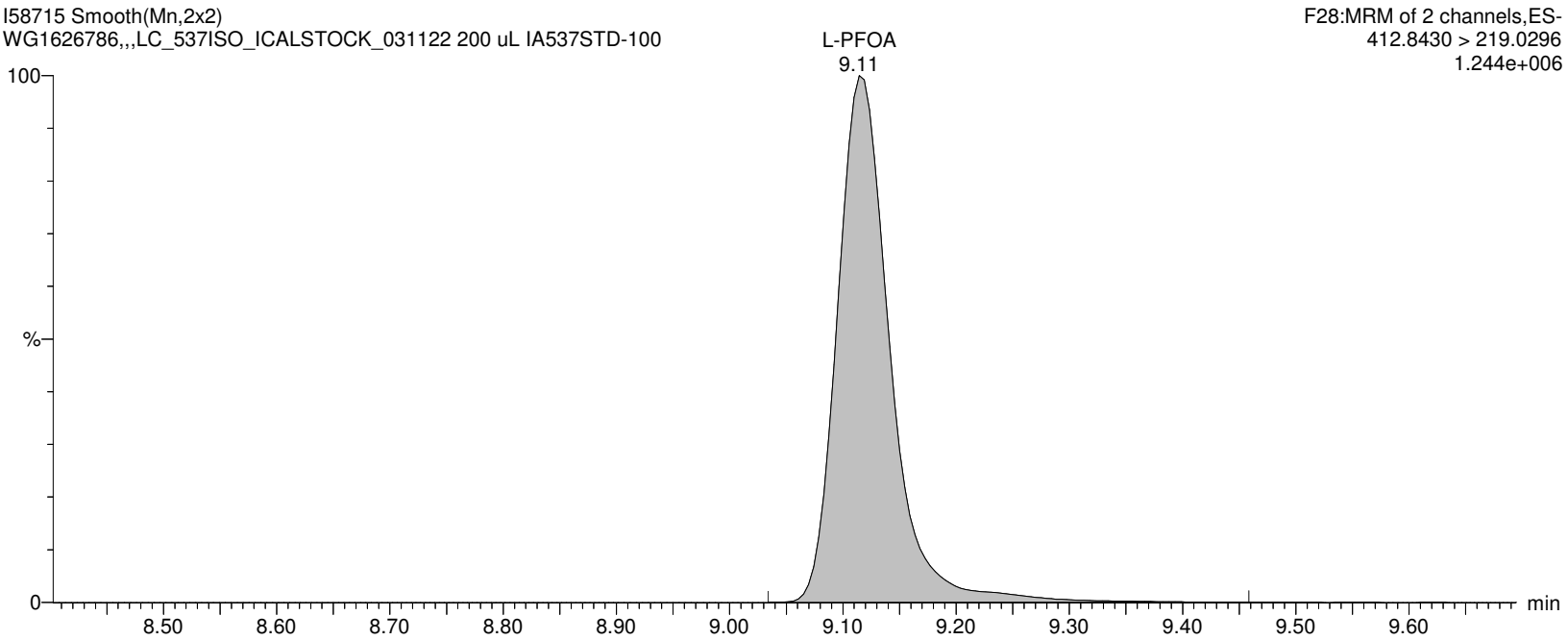
all concentration units in (ng/mL)

Alpha Analytical Inc.
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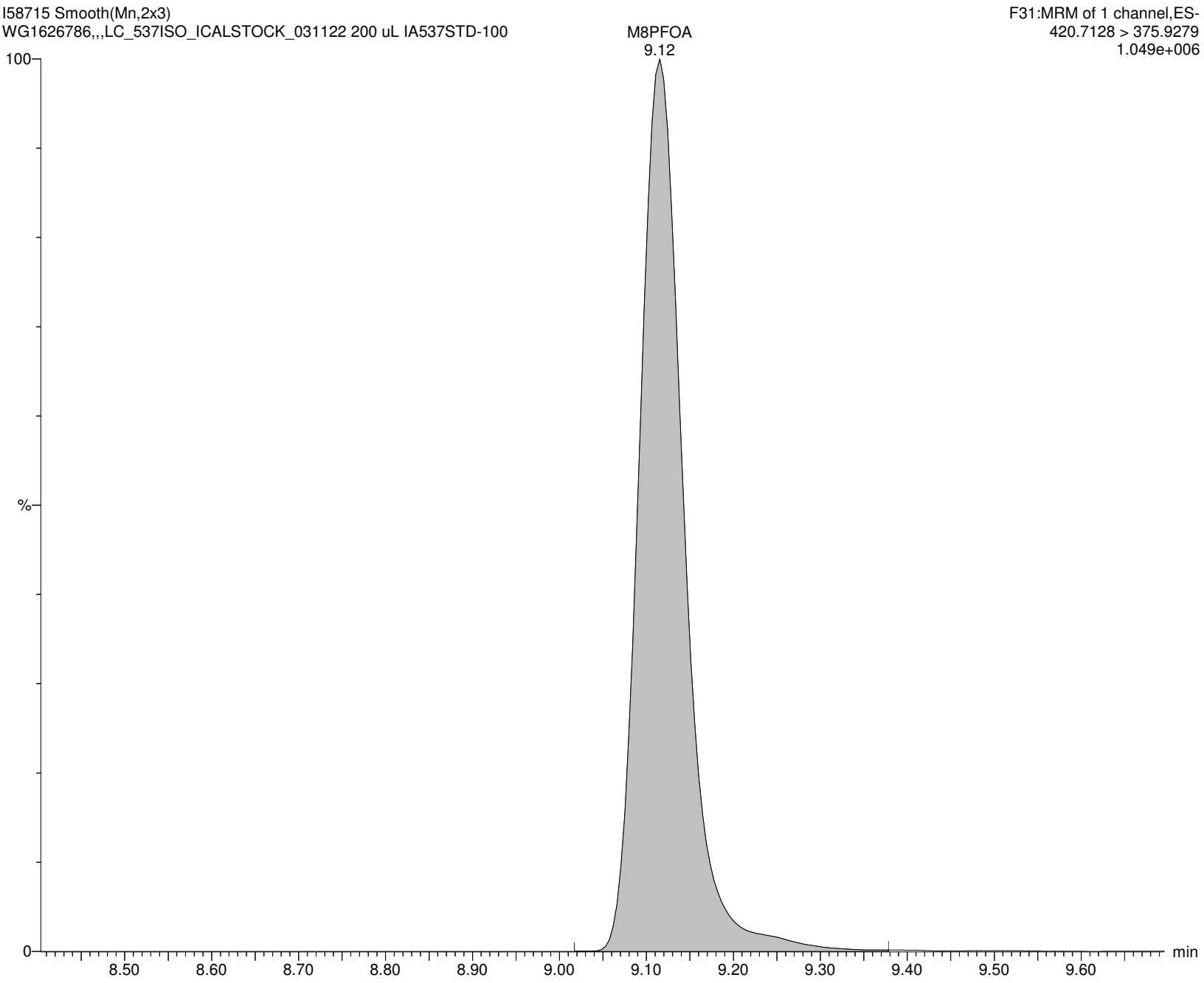


all concentration units in (ng/mL)

Alpha Analytical Inc.
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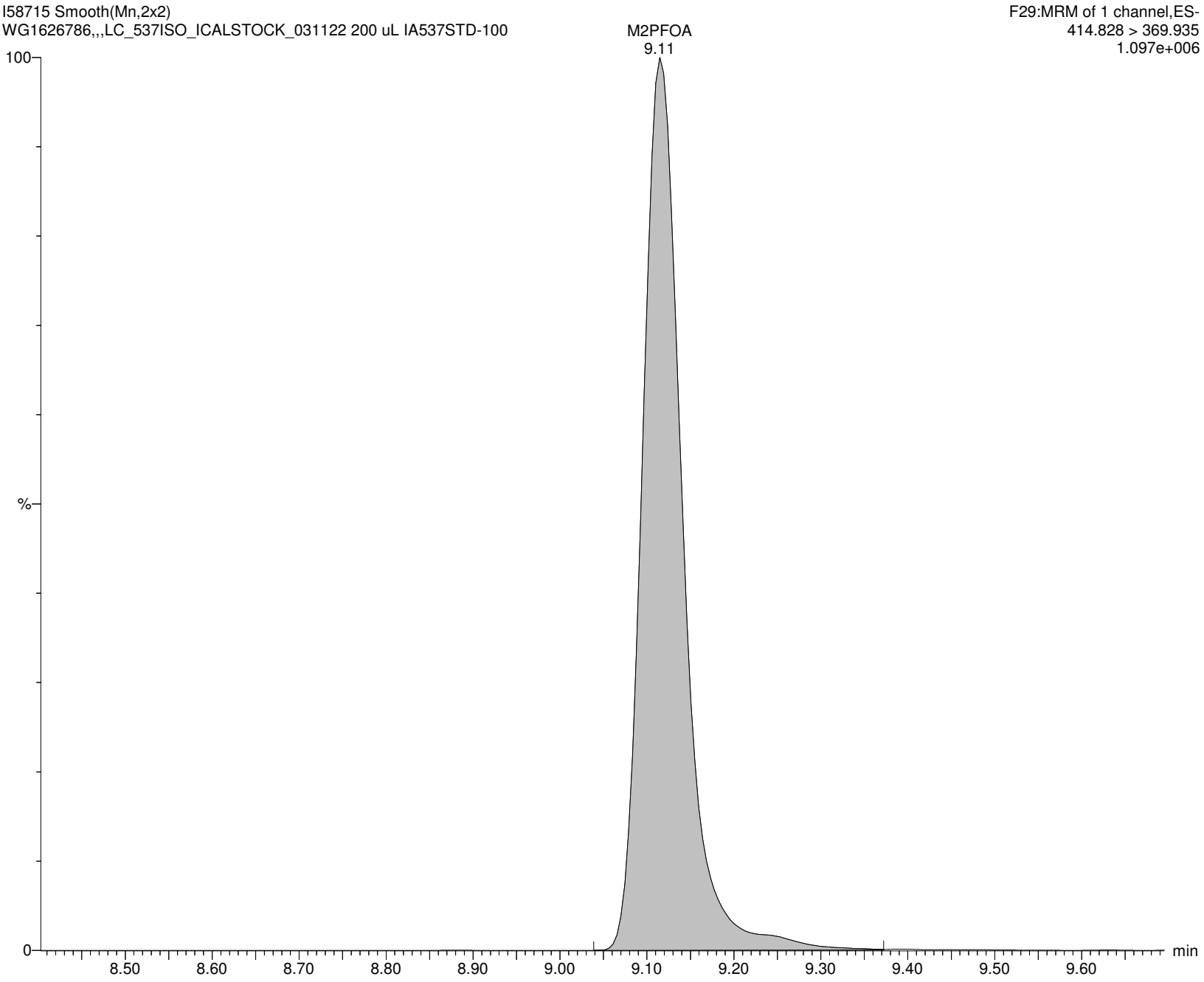


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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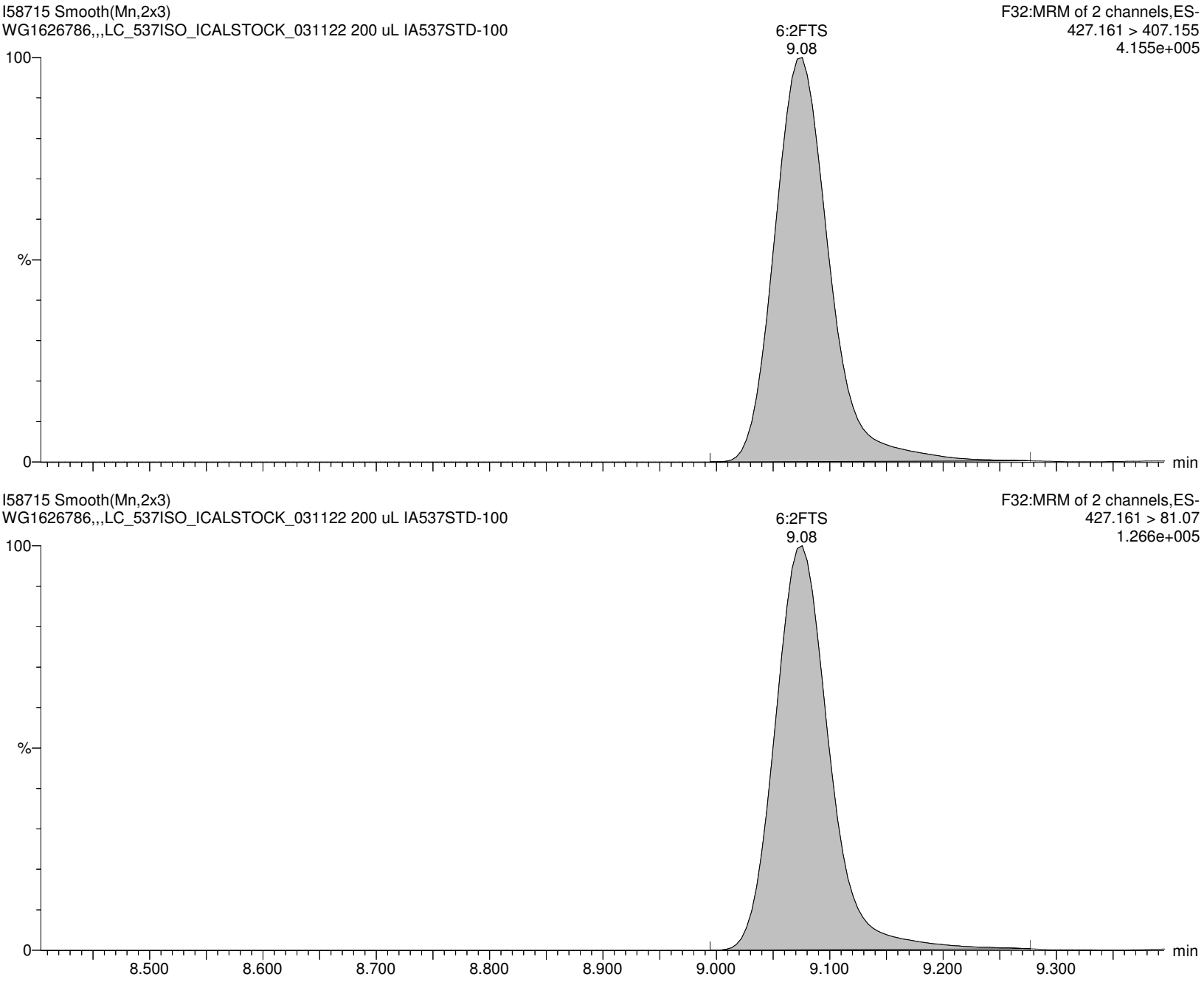


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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6:2FTS

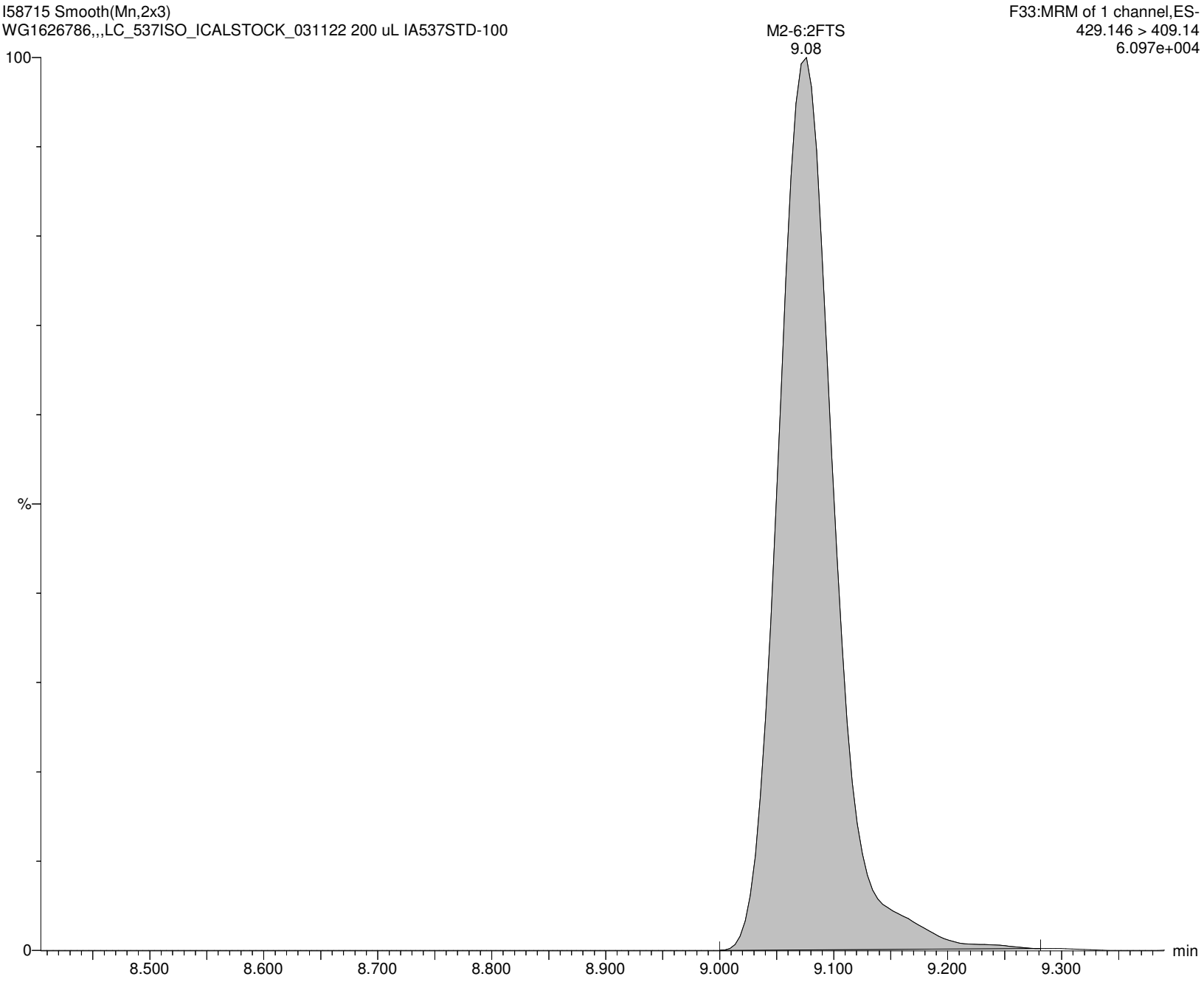


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:B,1
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M2-6:2FTS

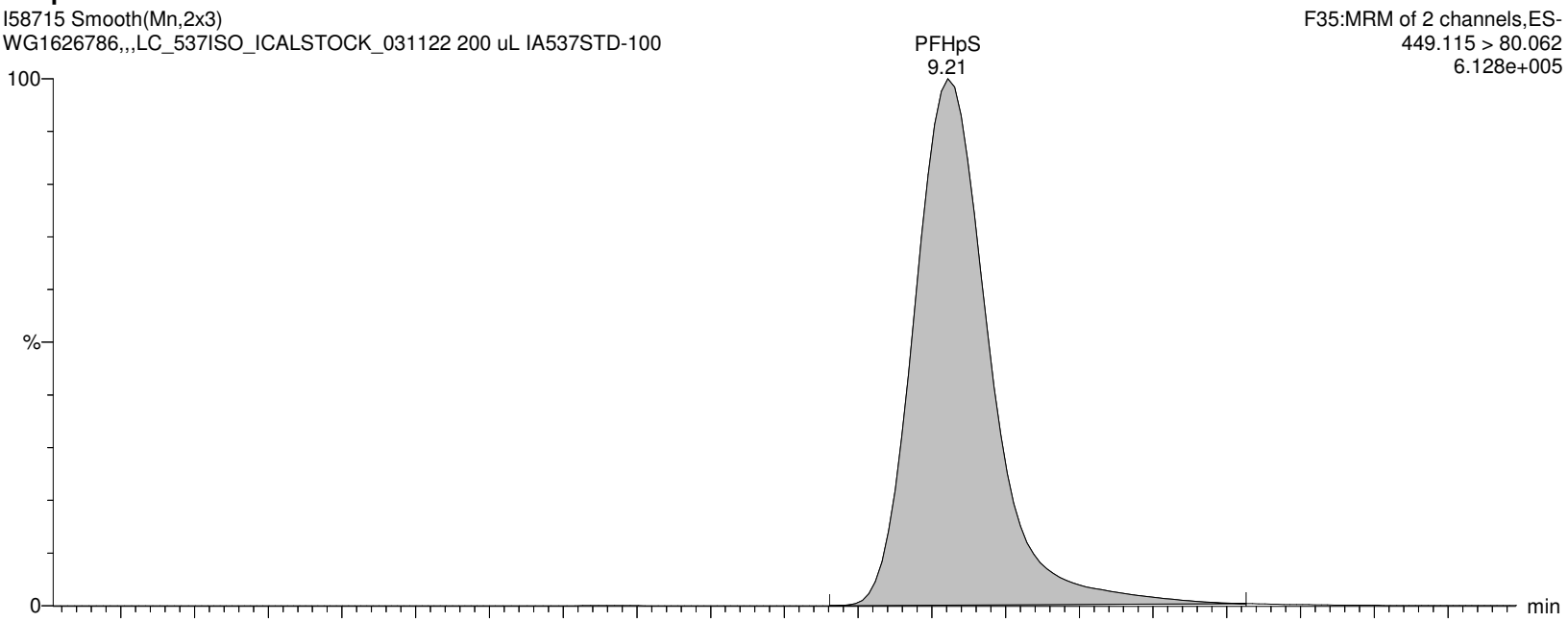


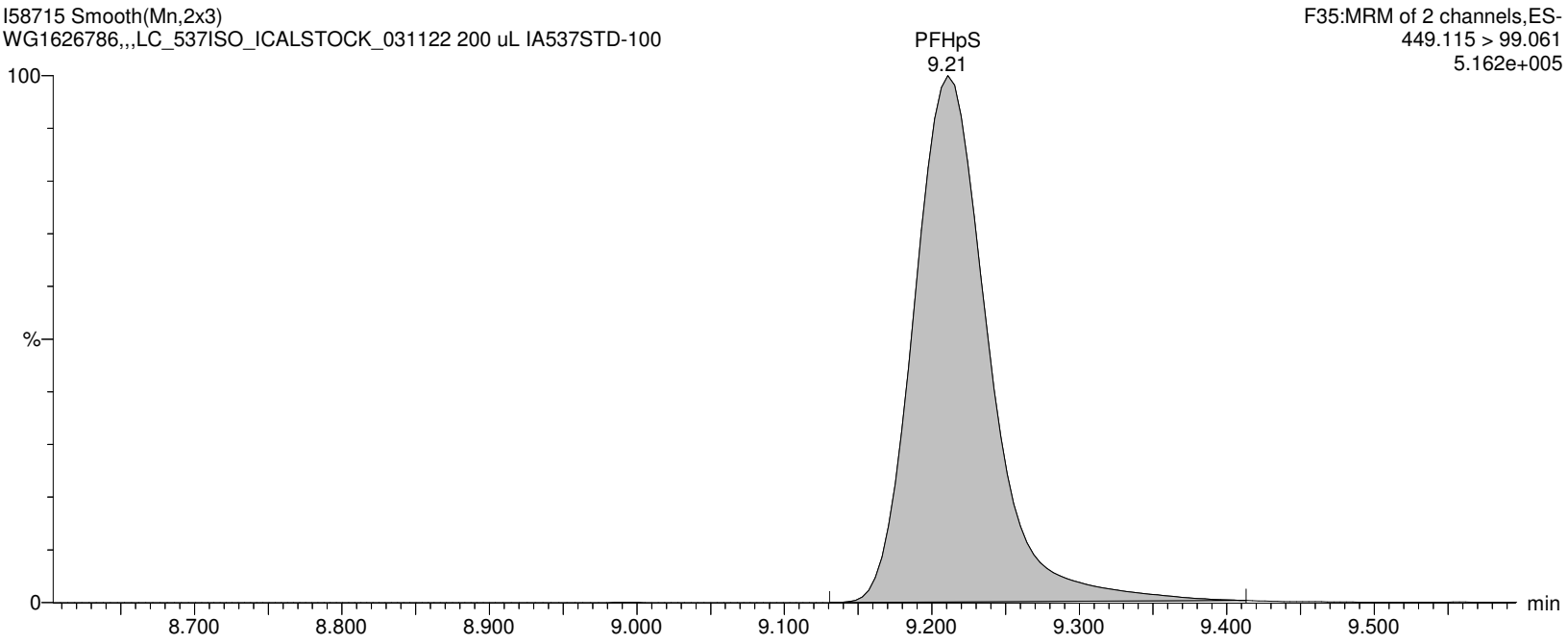
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:12:37
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User: LCMS02:MP
Vial: 1:B,1
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PFHpS



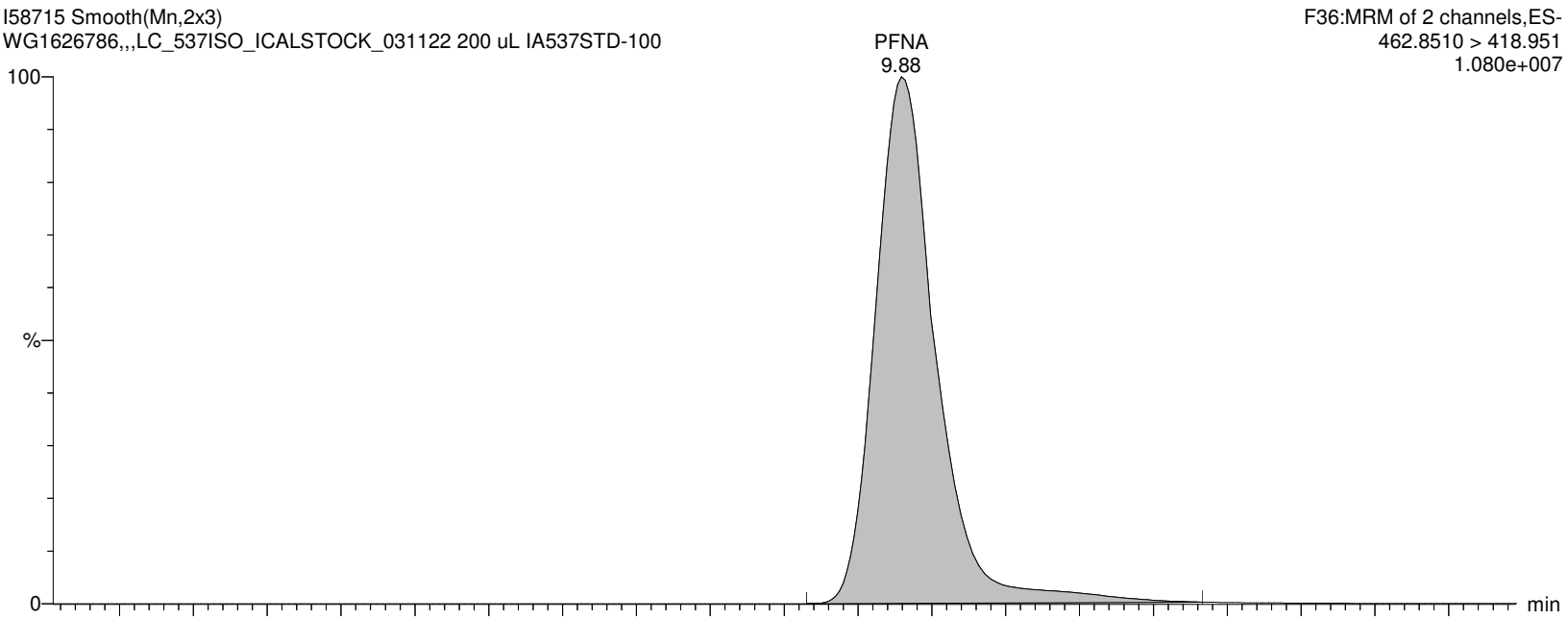


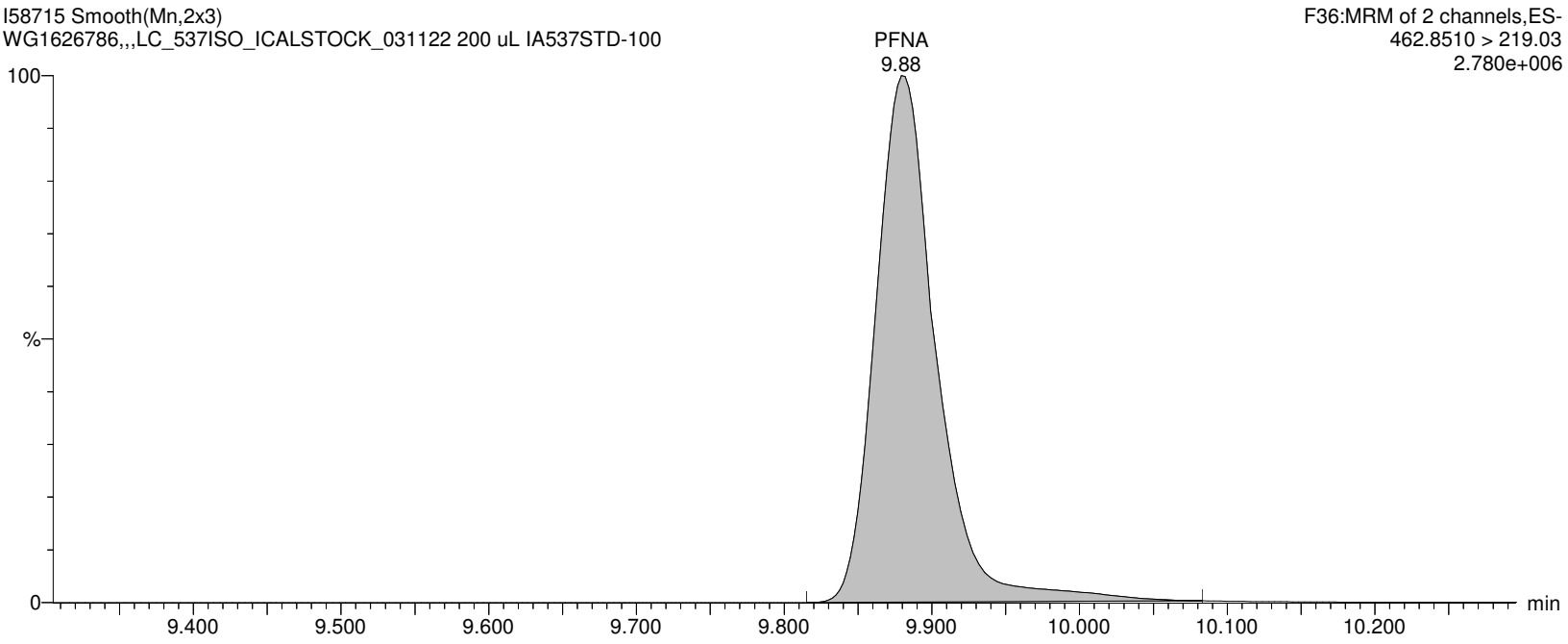
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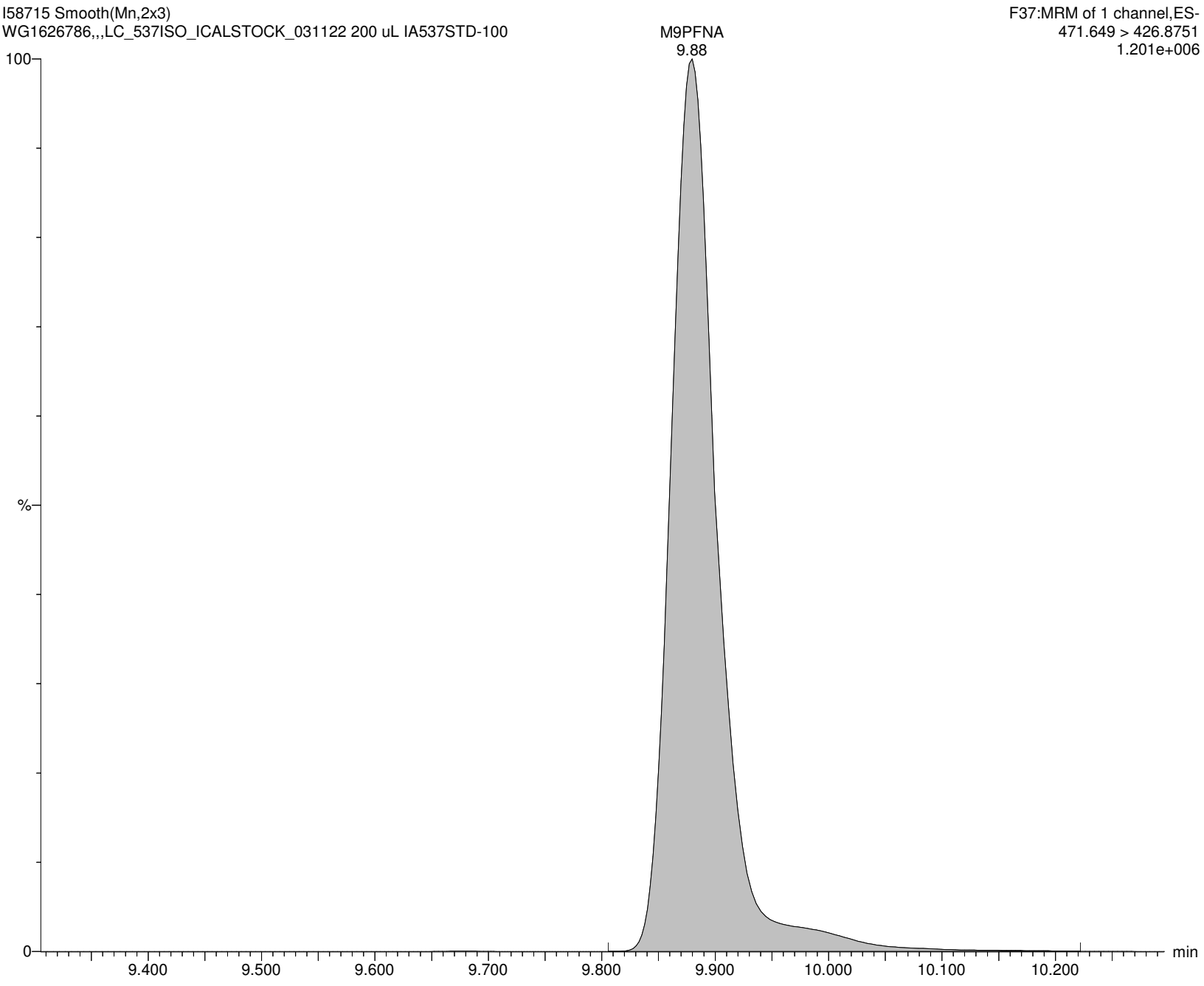


all concentration units in (ng/mL)

Alpha Analytical Inc.
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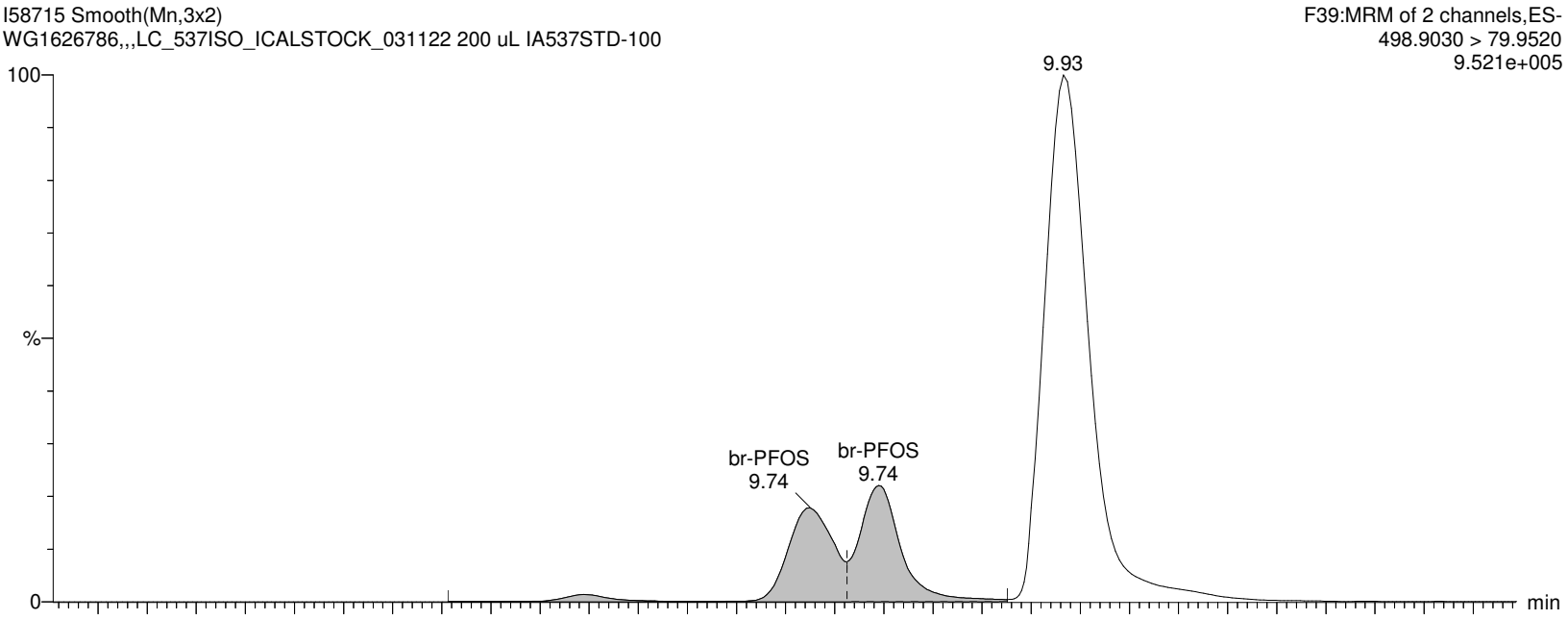


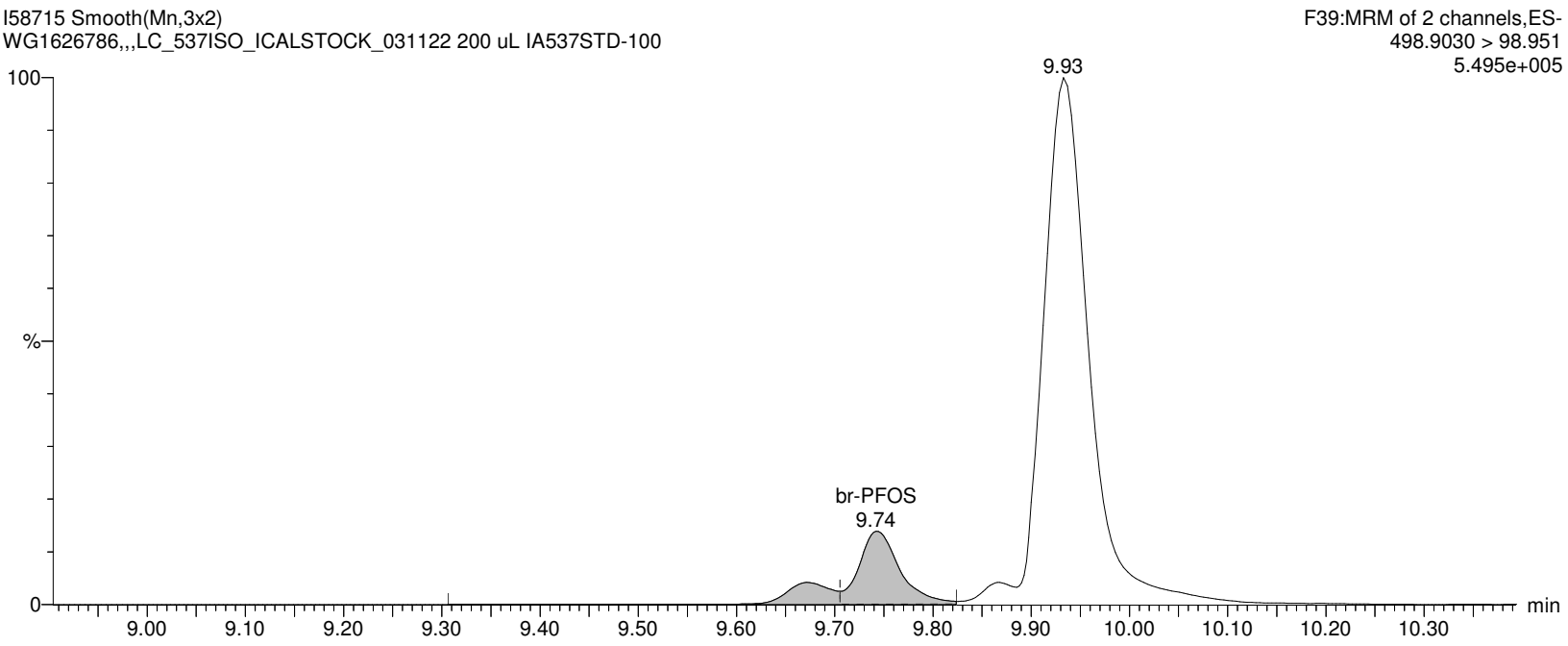
all concentration units in (ng/mL)

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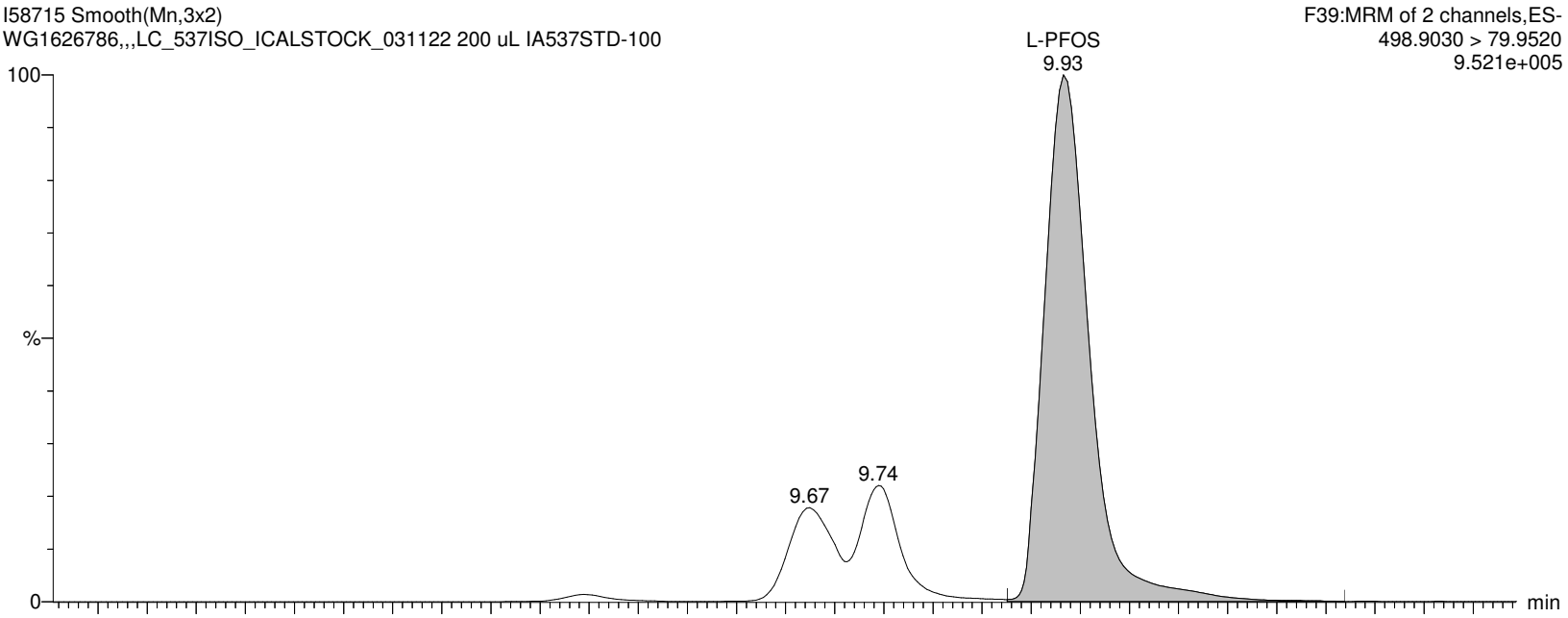


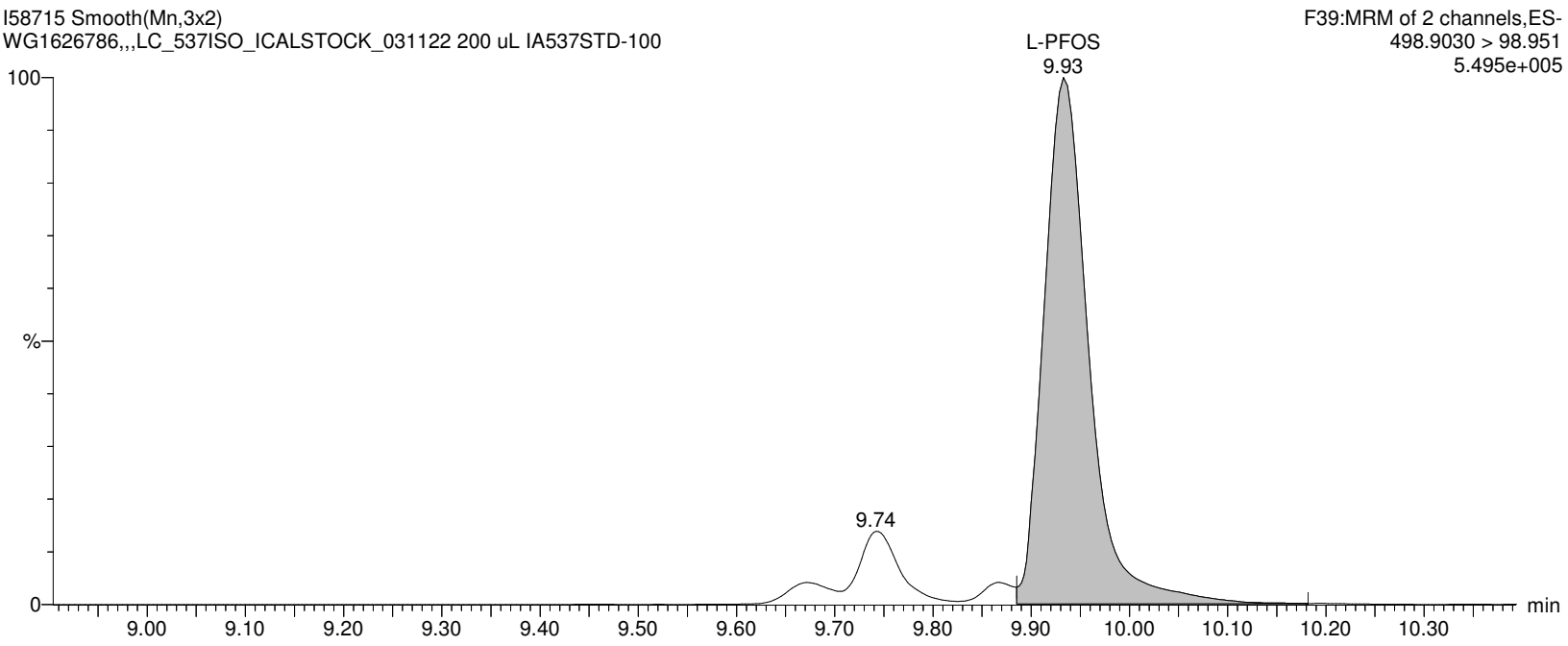
all concentration units in (ng/mL)

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L-PFOS



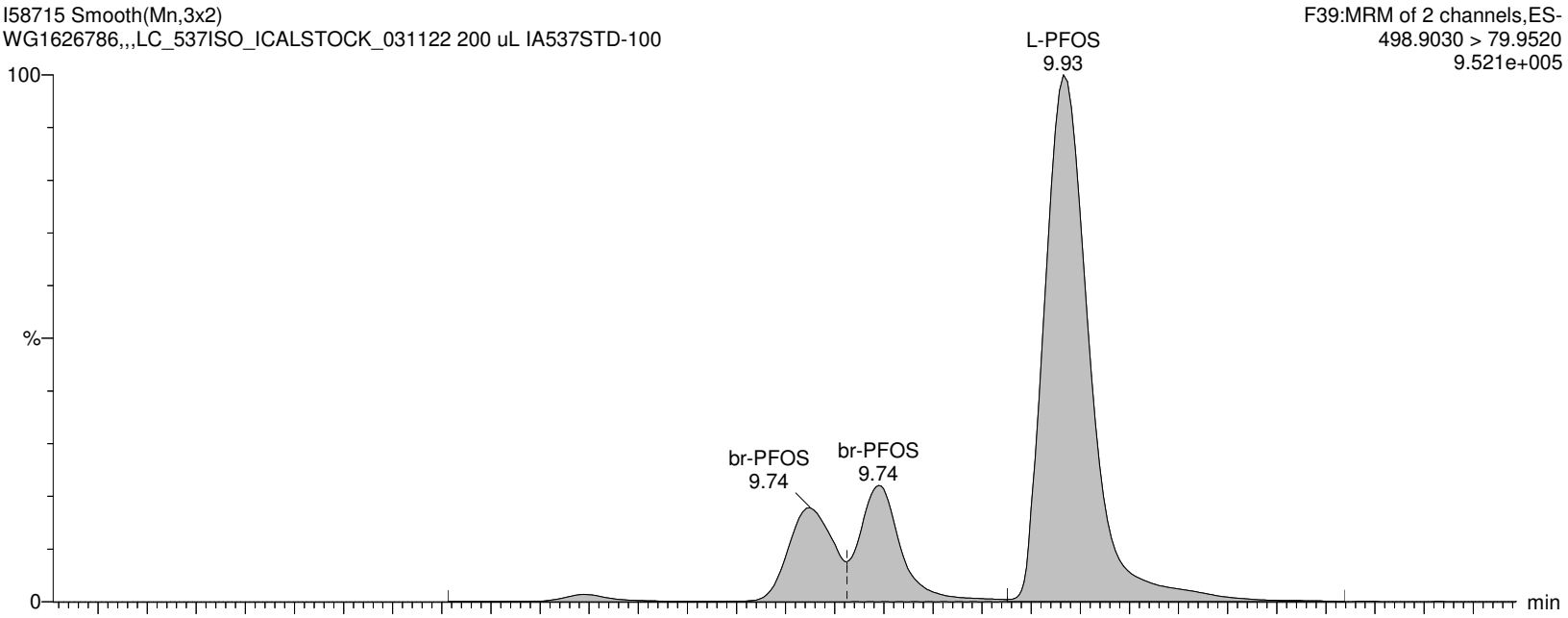


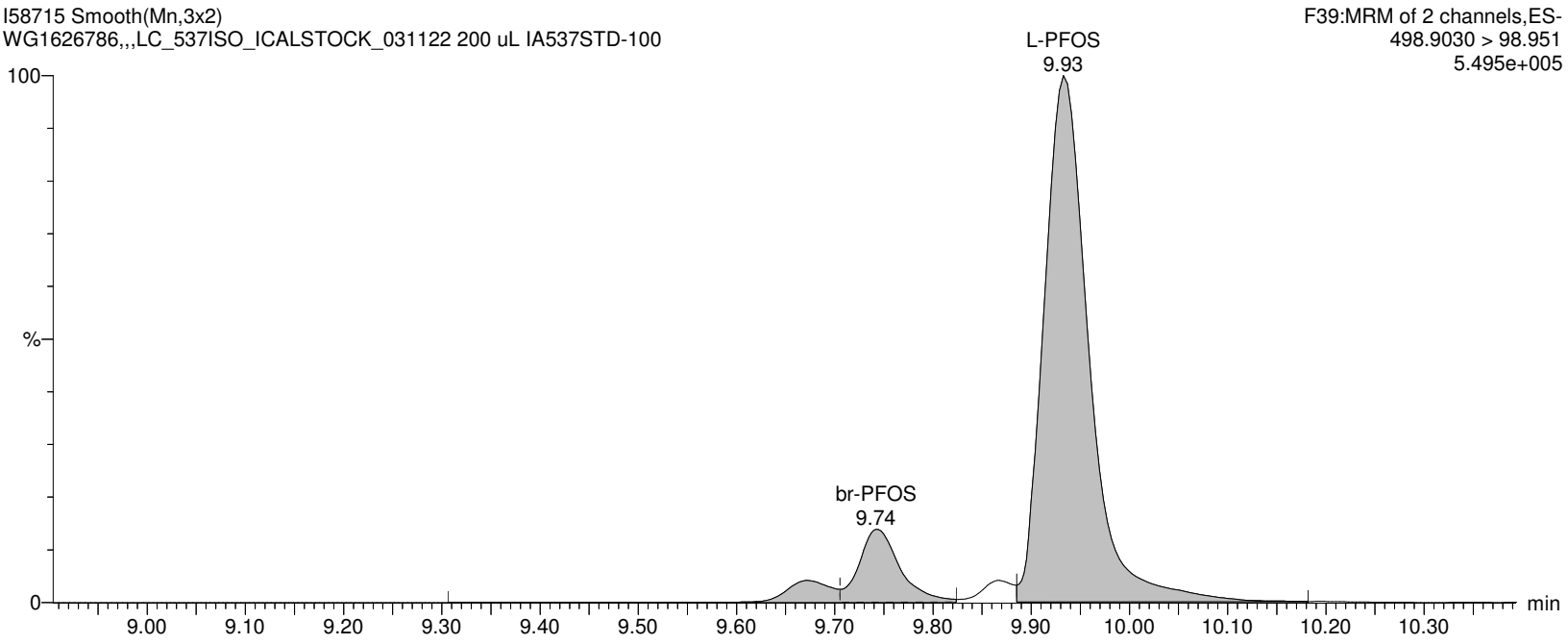
all concentration units in (ng/mL)

Alpha Analytical Inc.
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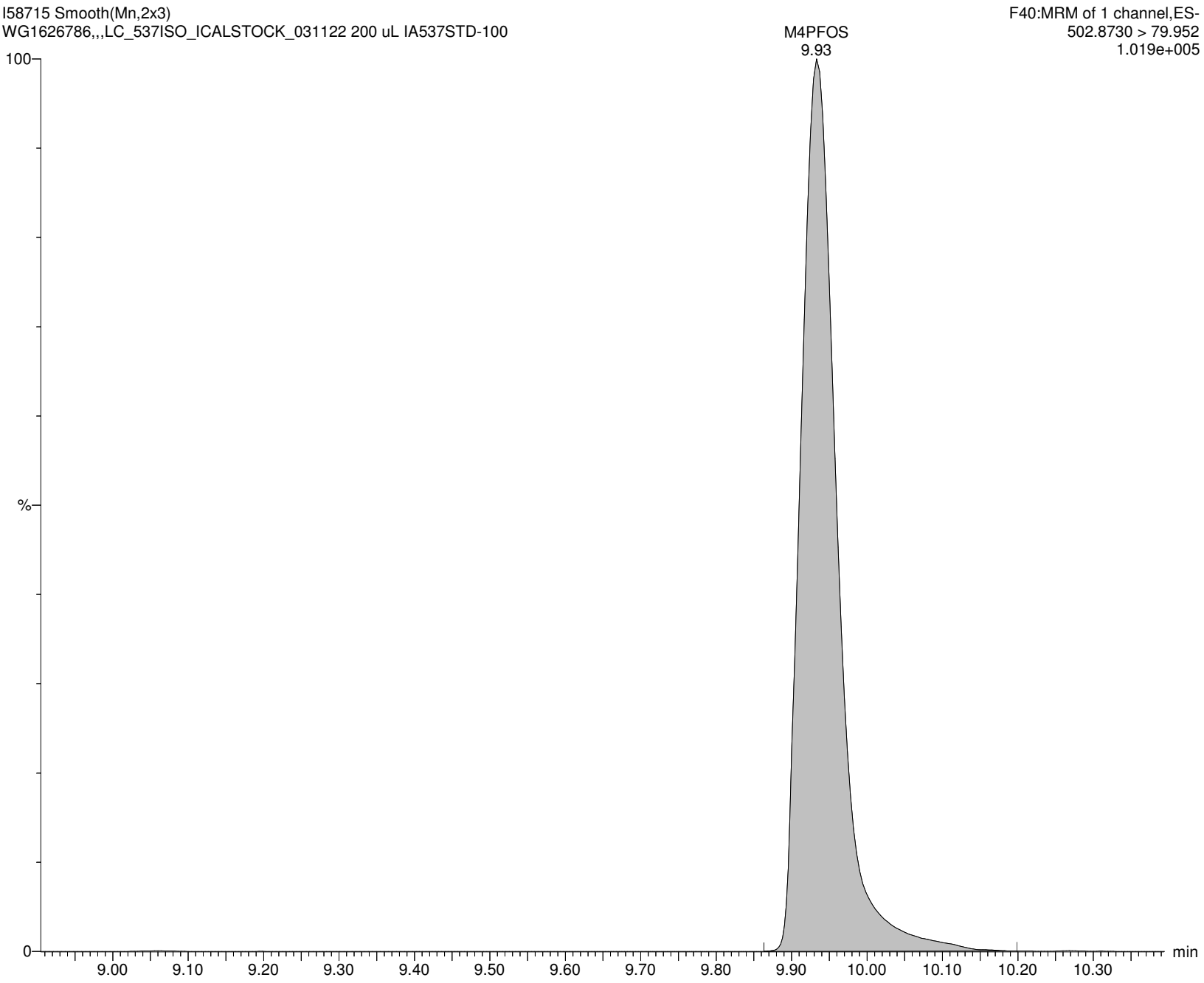


all concentration units in (ng/mL)

Alpha Analytical Inc.
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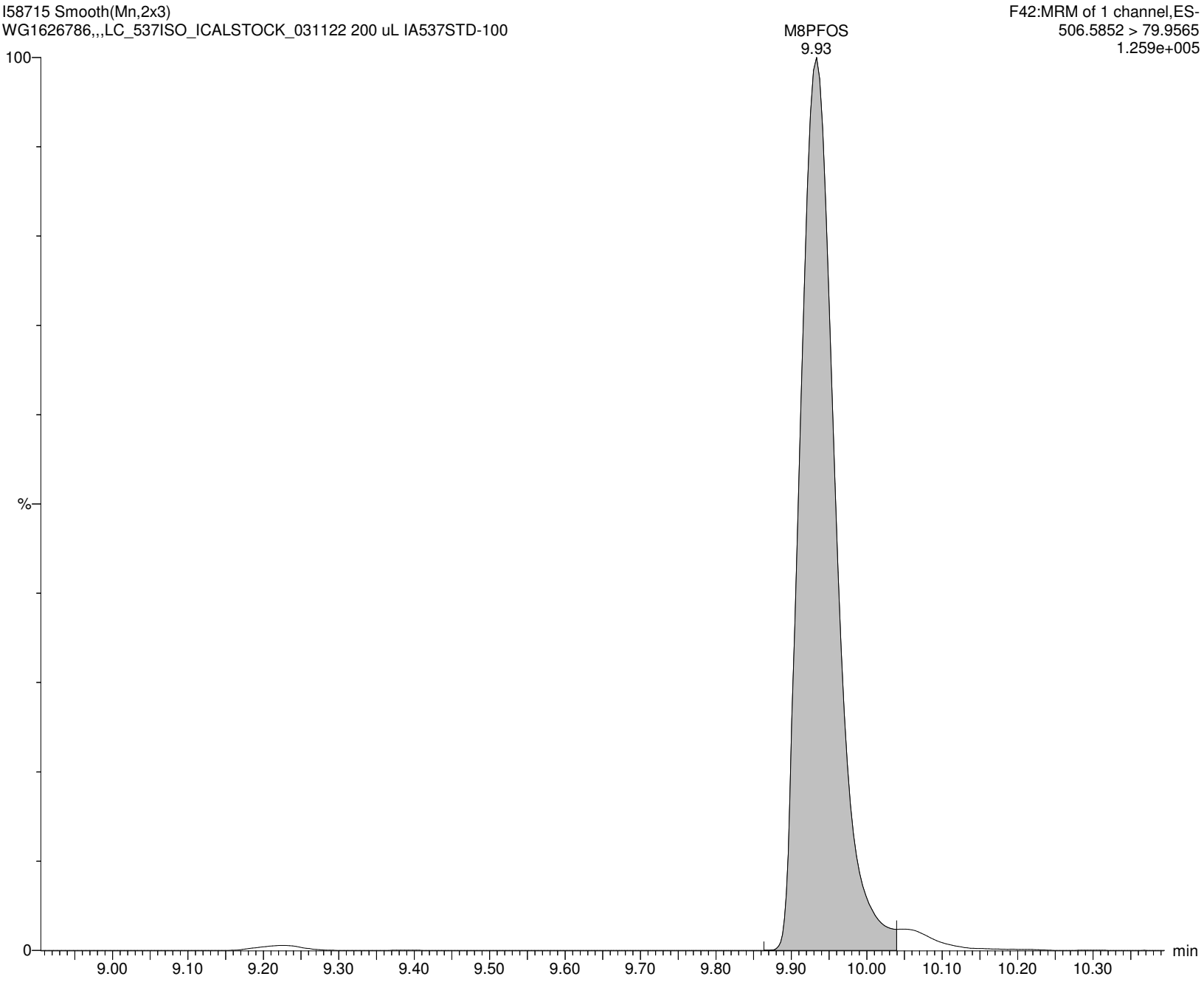


all concentration units in (ng/mL)

Alpha Analytical Inc.
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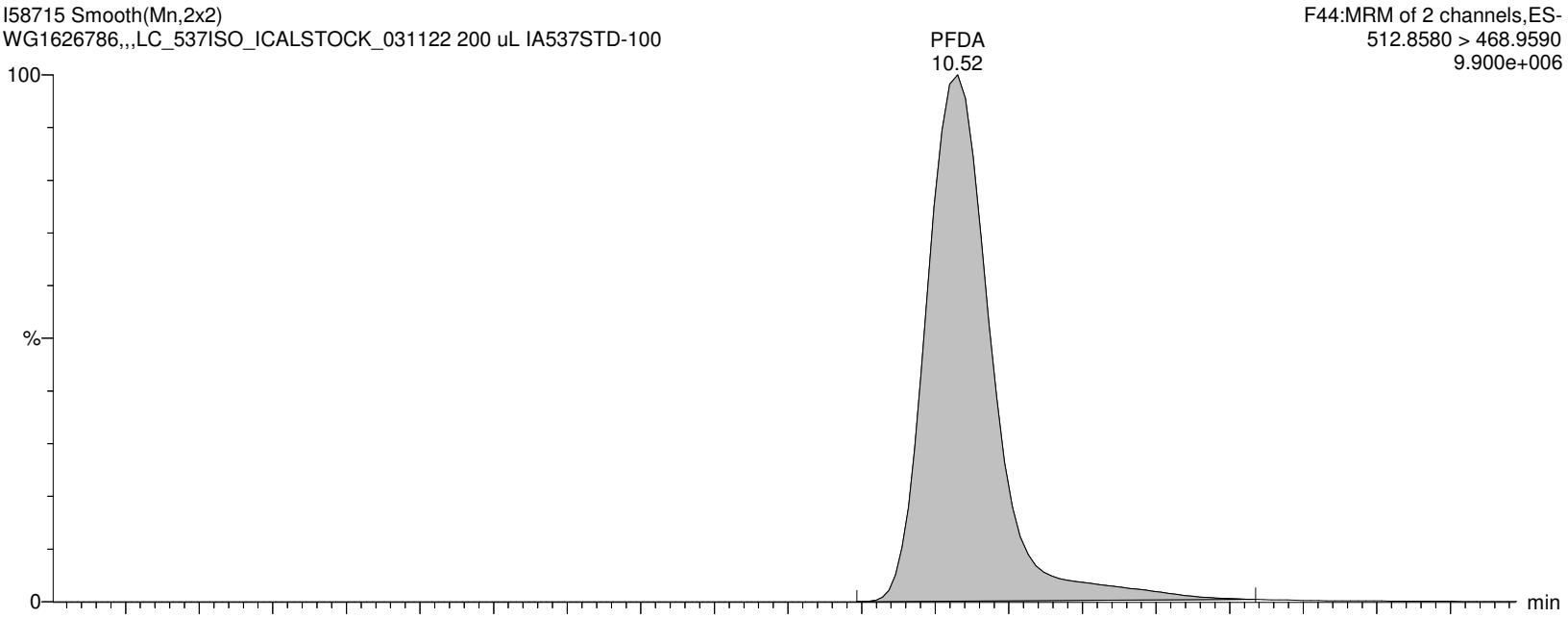


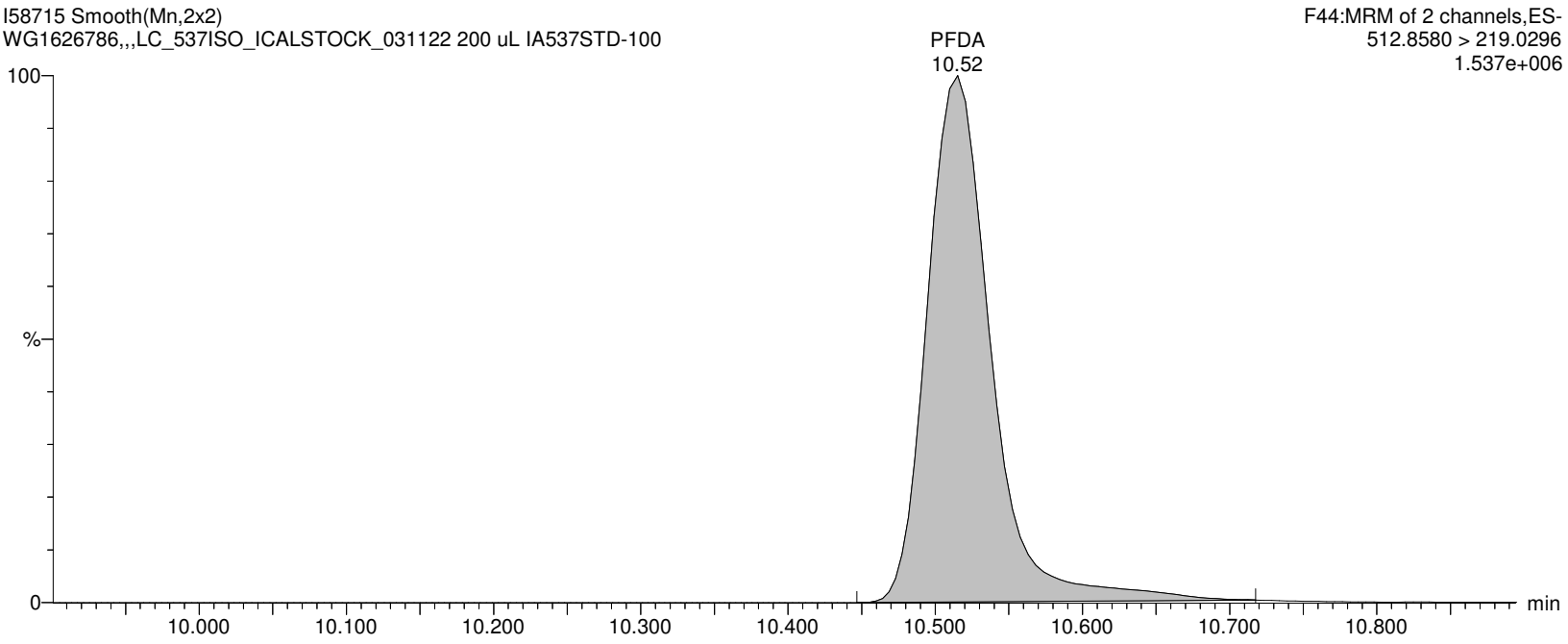
all concentration units in (ng/mL)

Alpha Analytical Inc.
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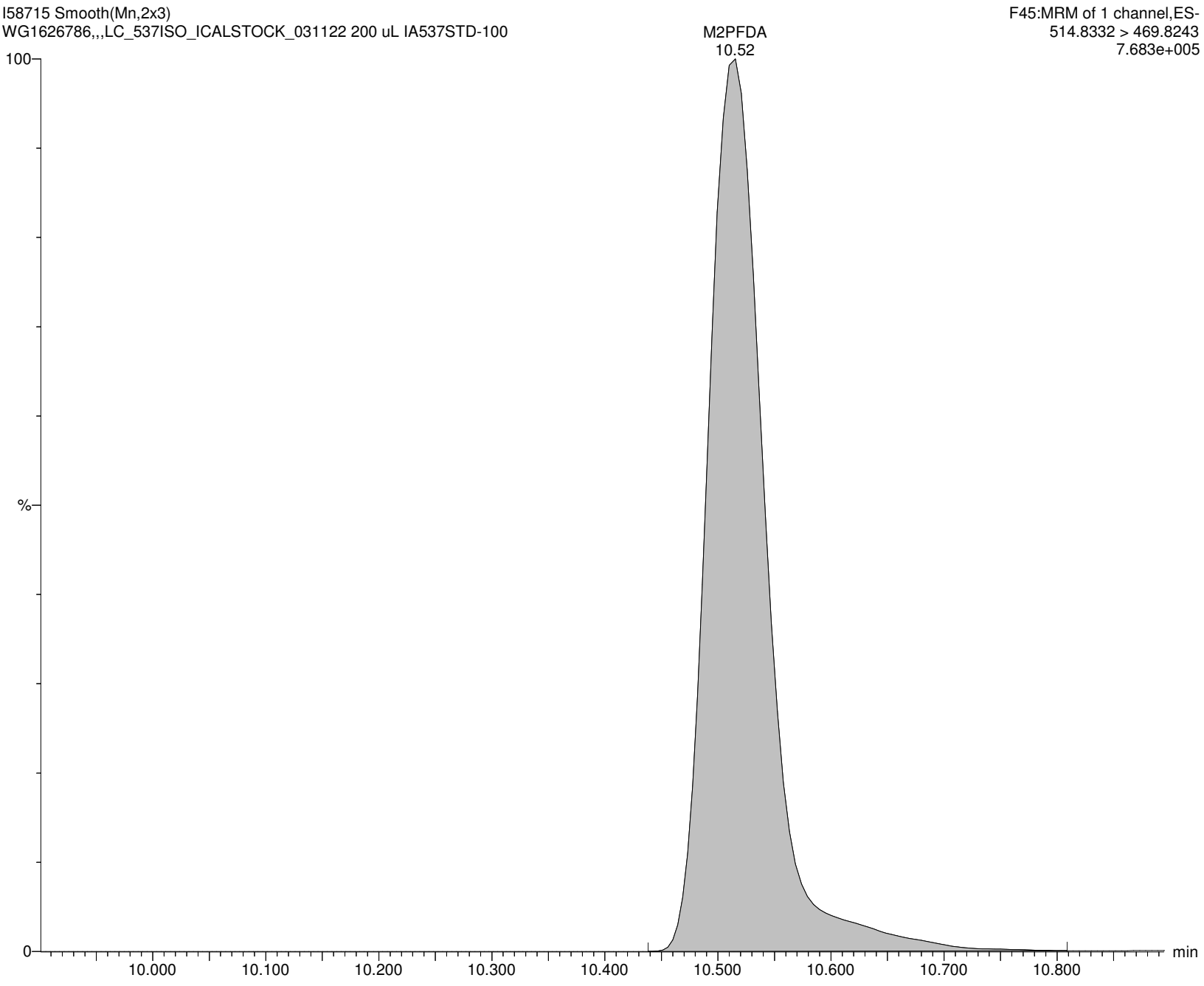


all concentration units in (ng/mL)

Alpha Analytical Inc.
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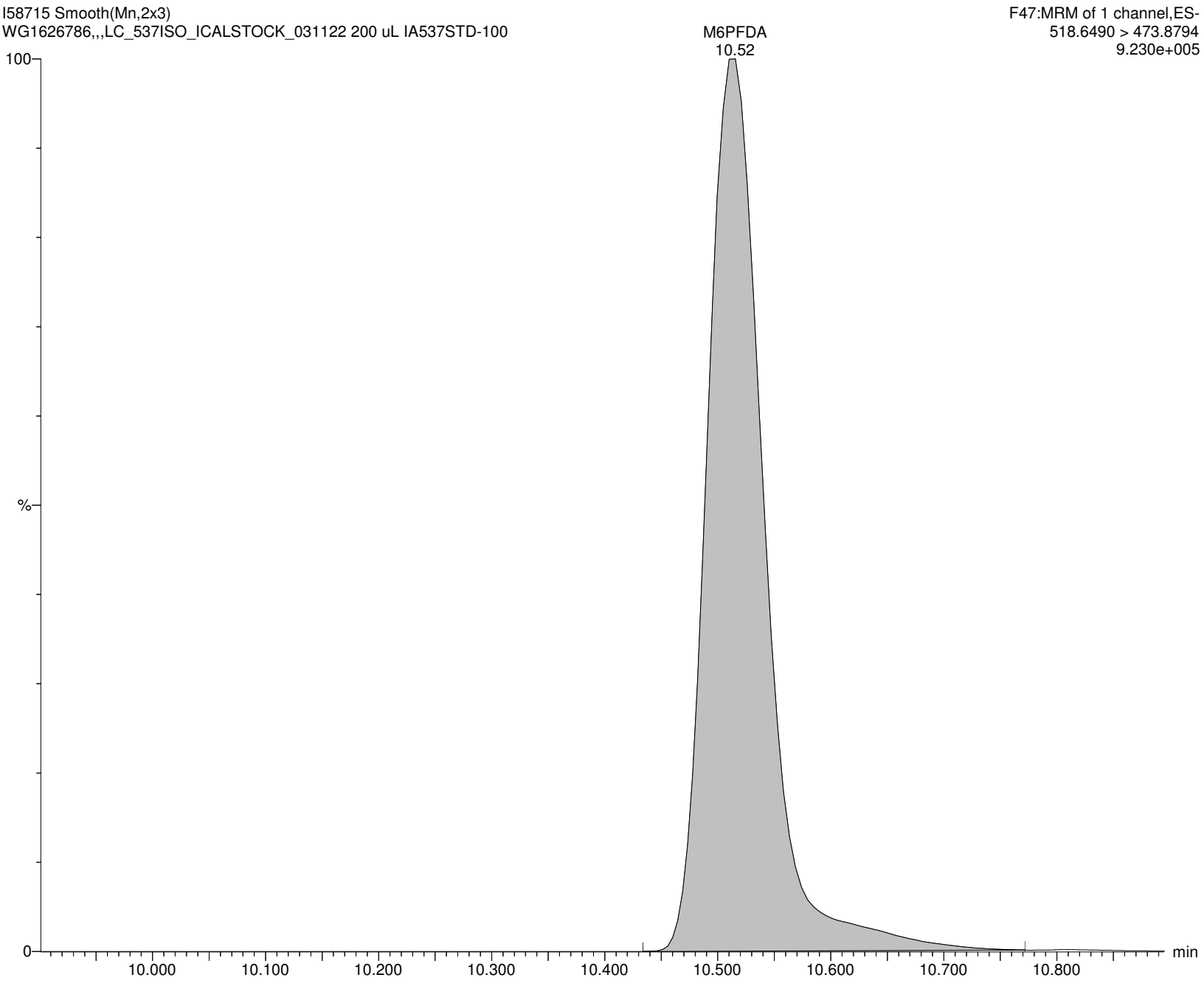


all concentration units in (ng/mL)

Alpha Analytical Inc.
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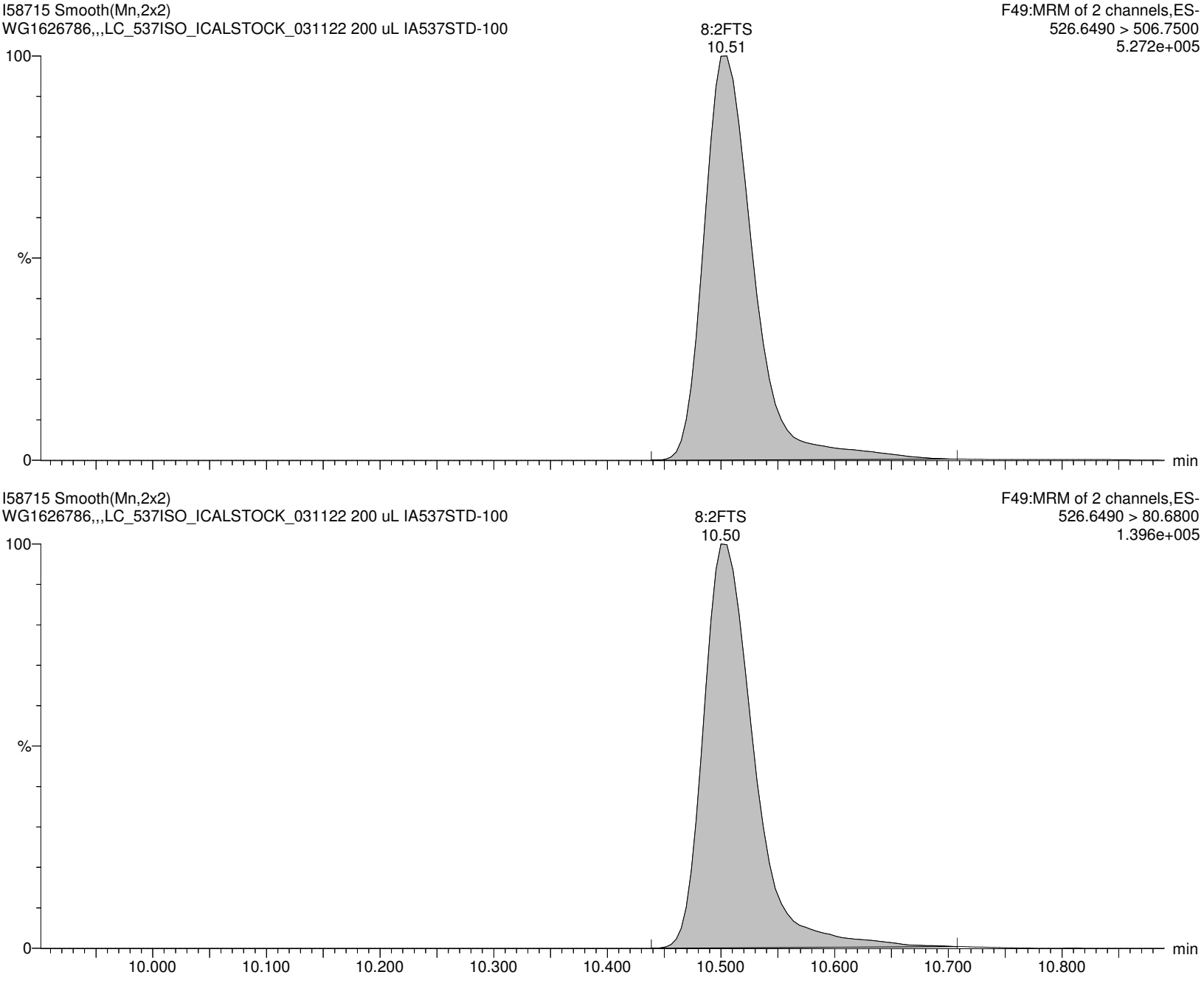


all concentration units in (ng/mL)

Alpha Analytical Inc.
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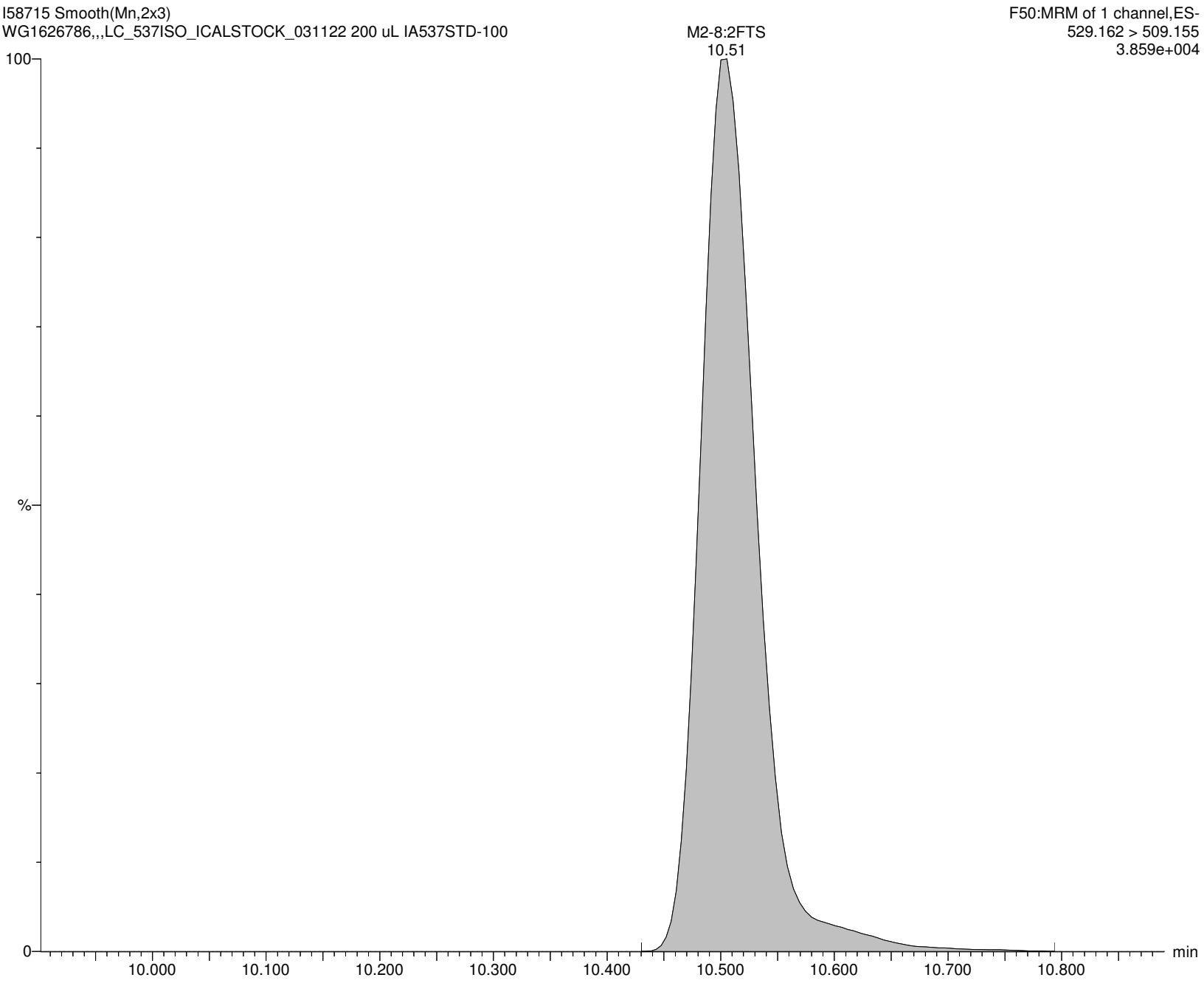


all concentration units in (ng/mL)

Alpha Analytical Inc.
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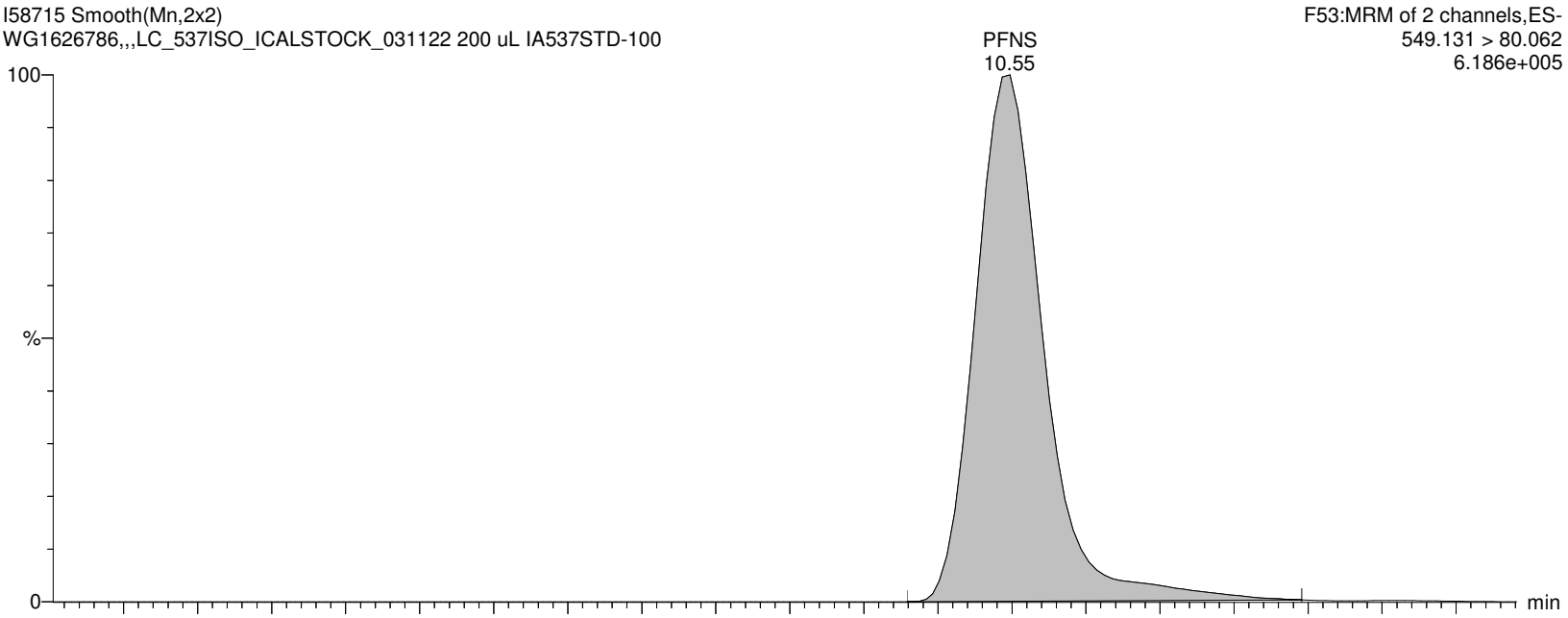


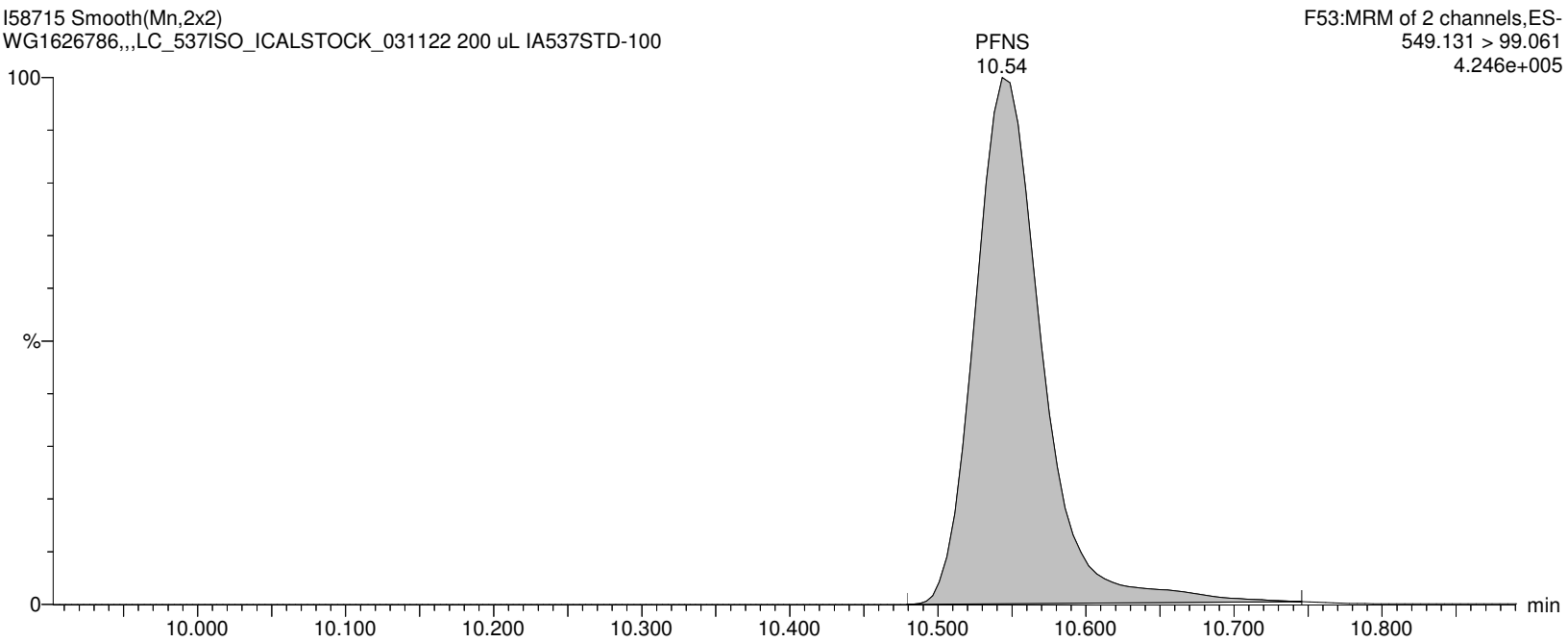
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFNS



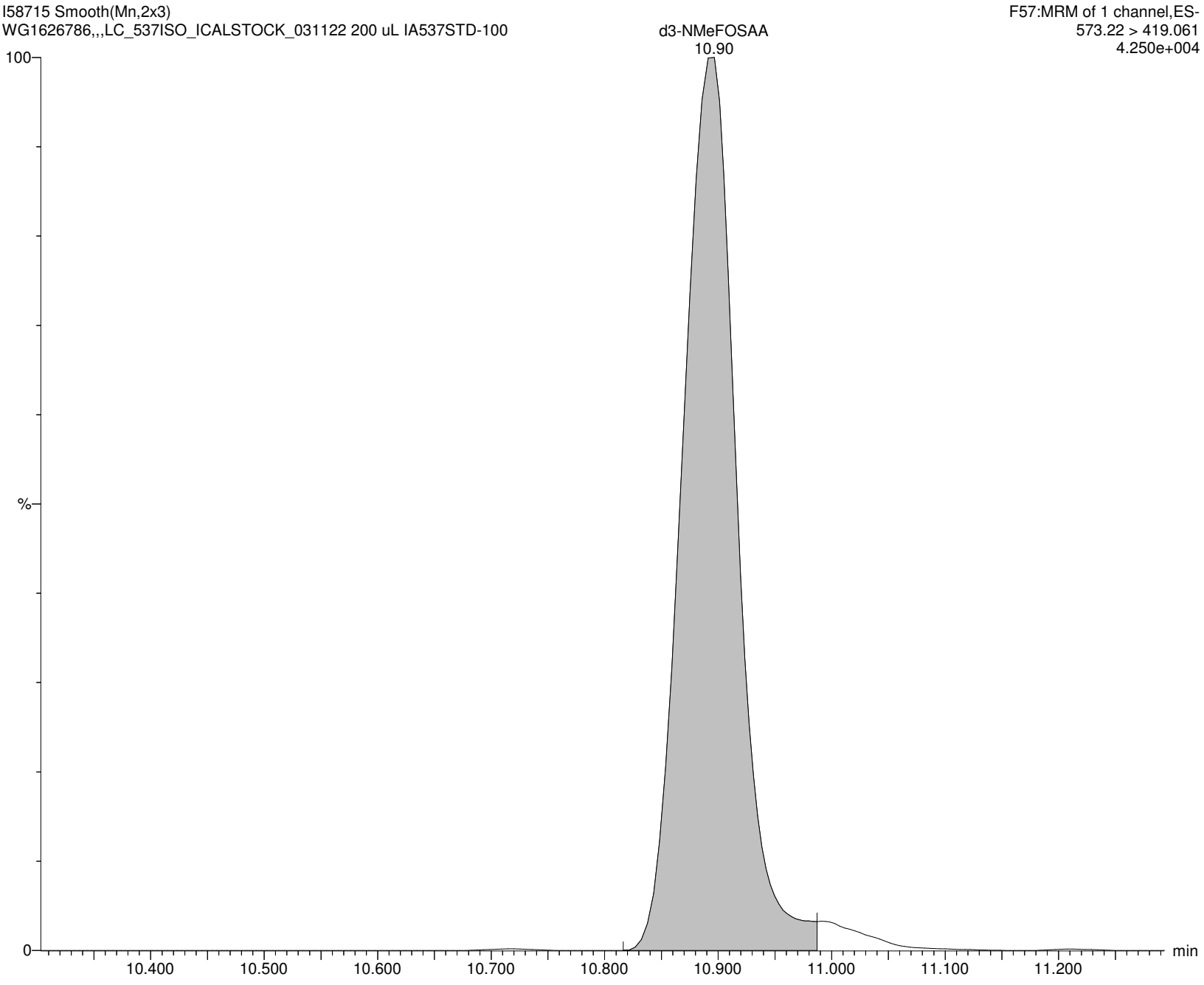


all concentration units in (ng/mL)

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d3-NMeFOSAA

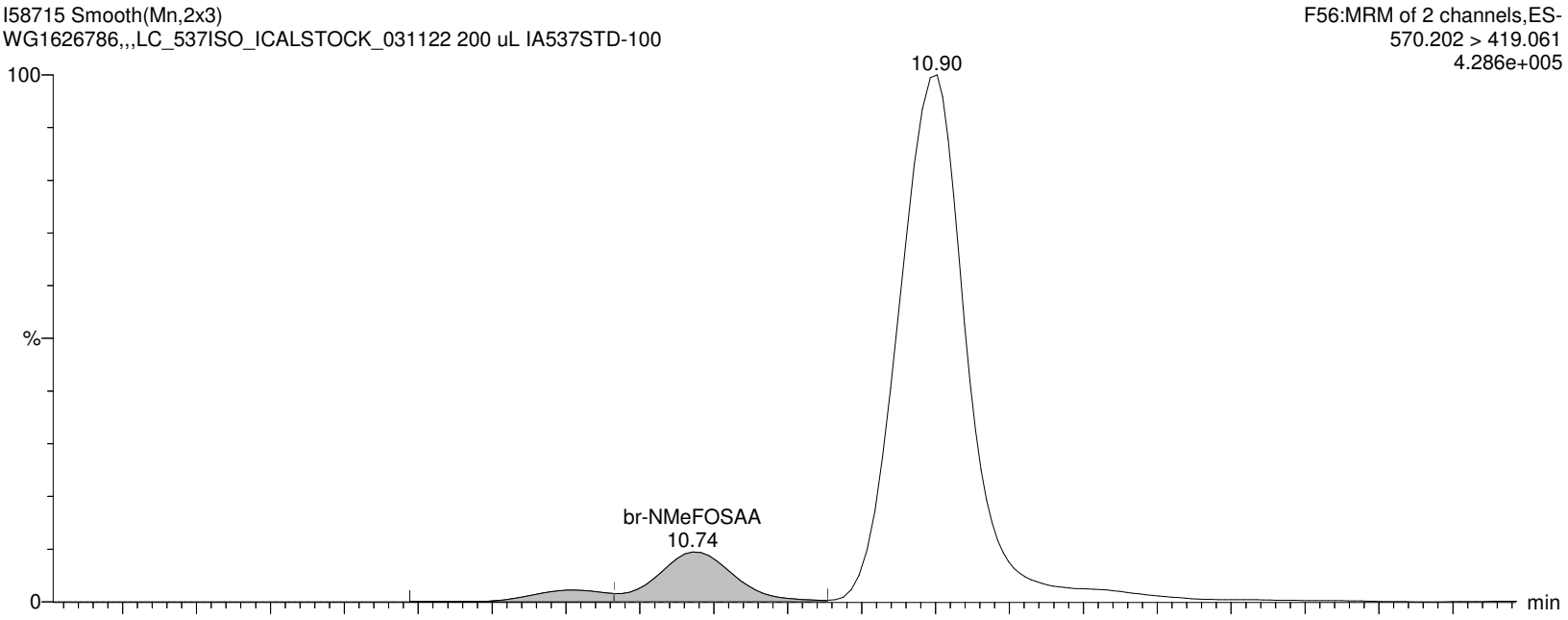


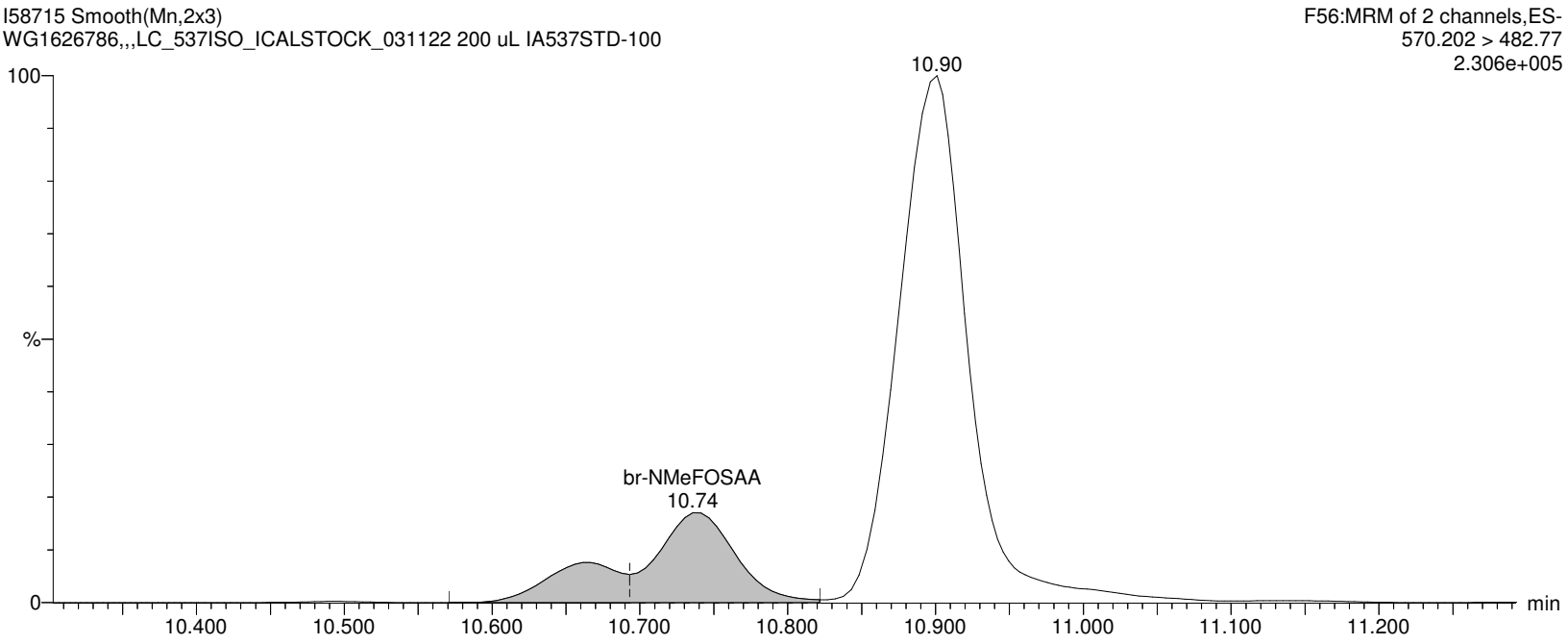
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br-NMeFOSAA



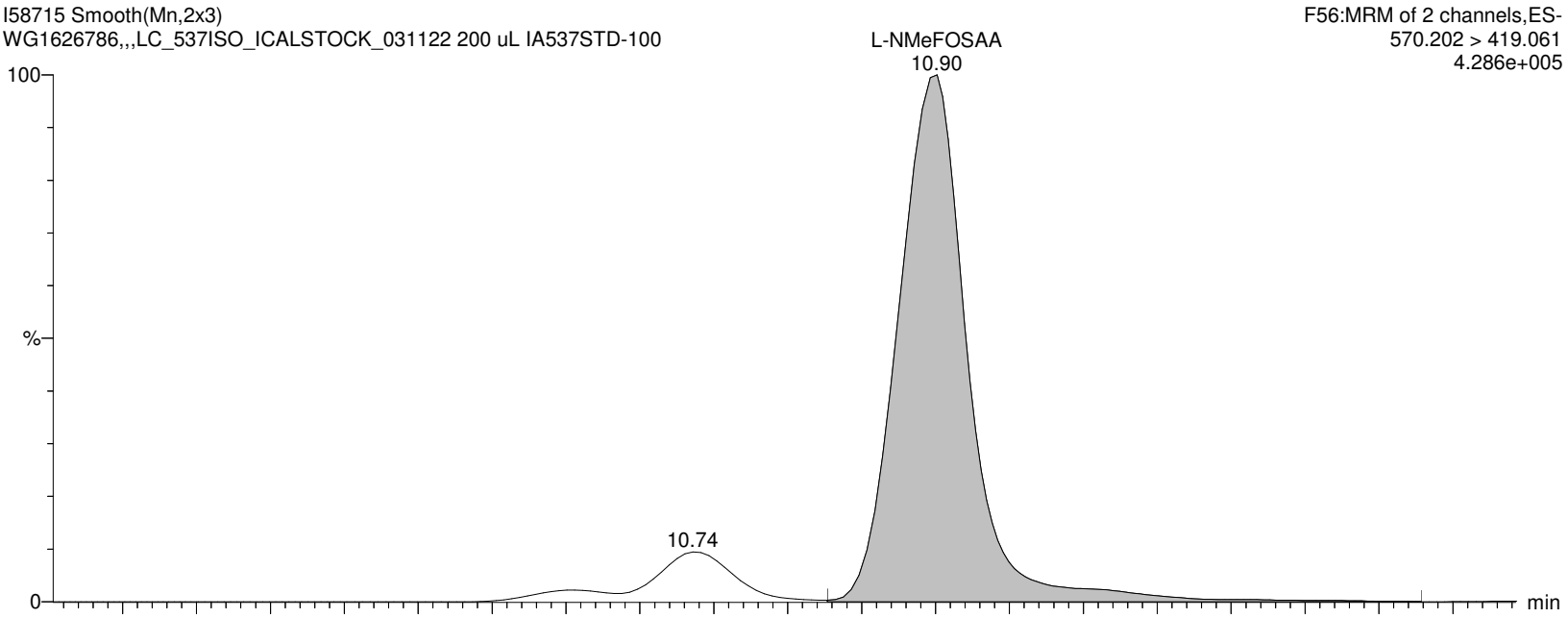


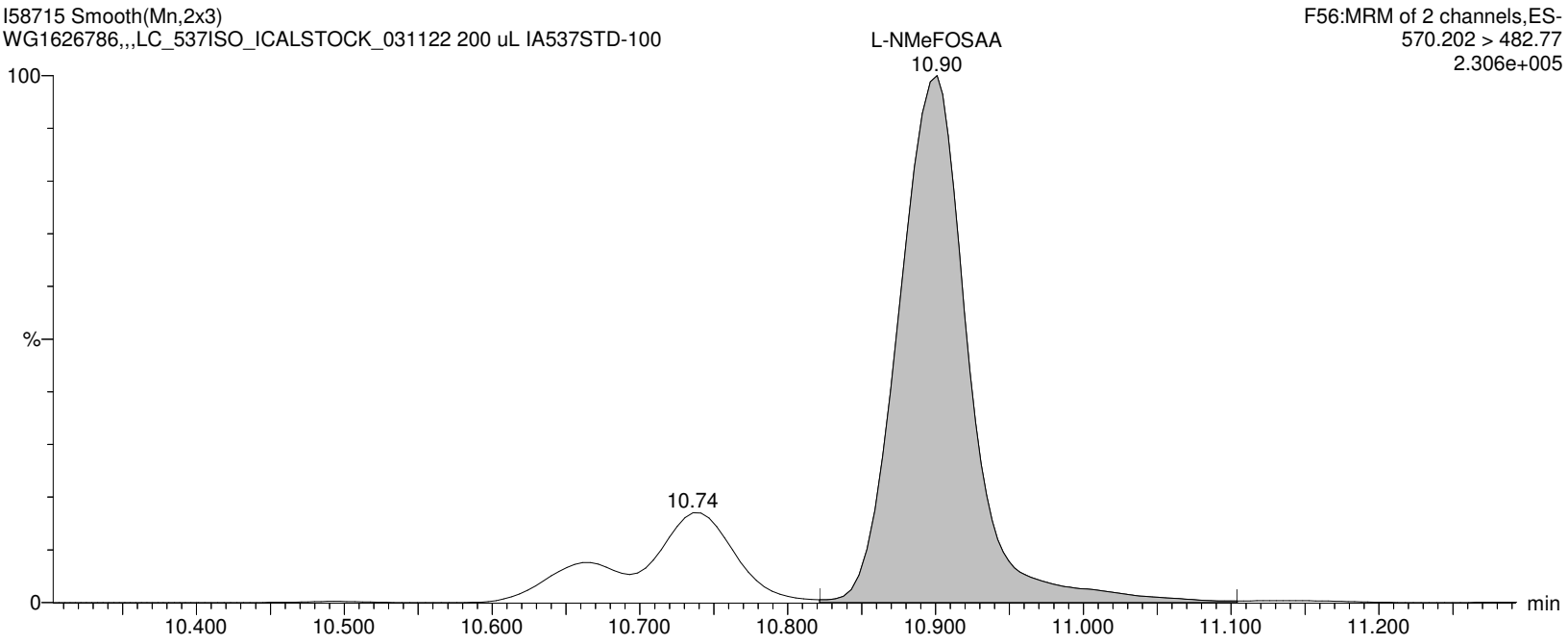
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:12:37
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L-NMeFOSAA



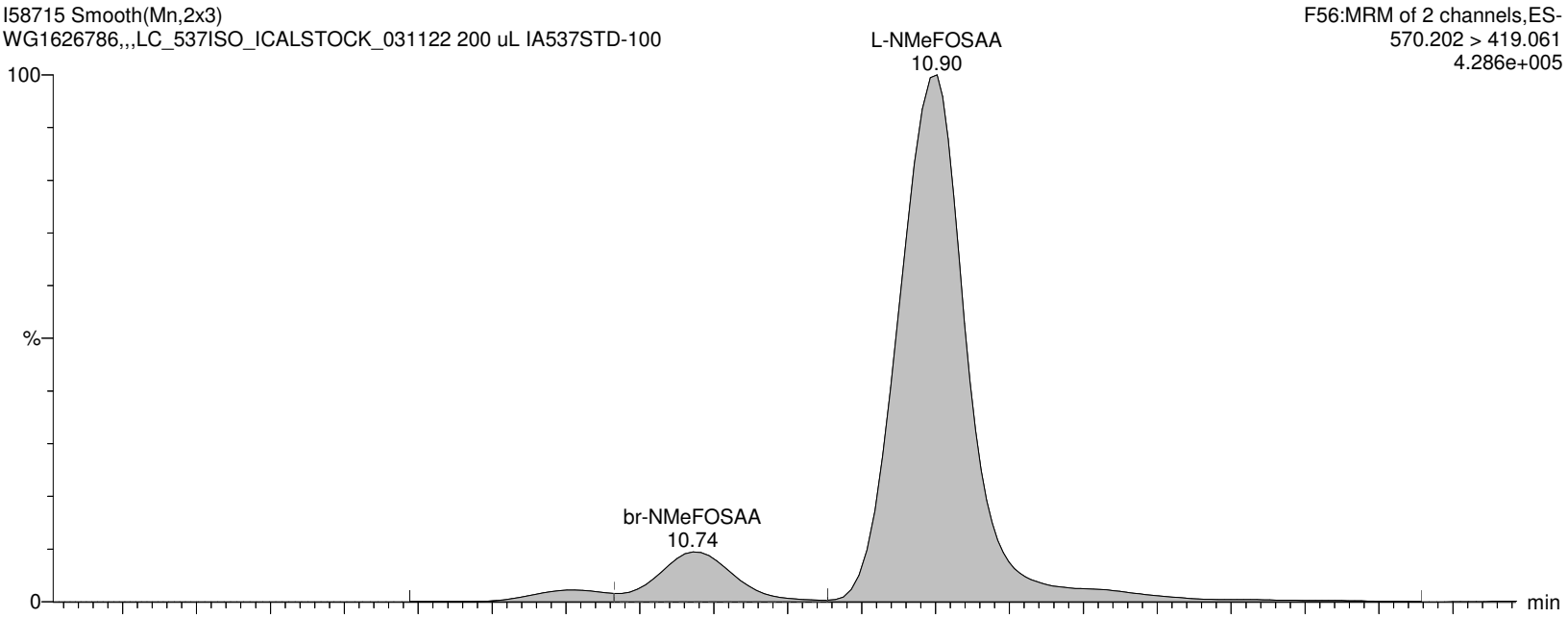


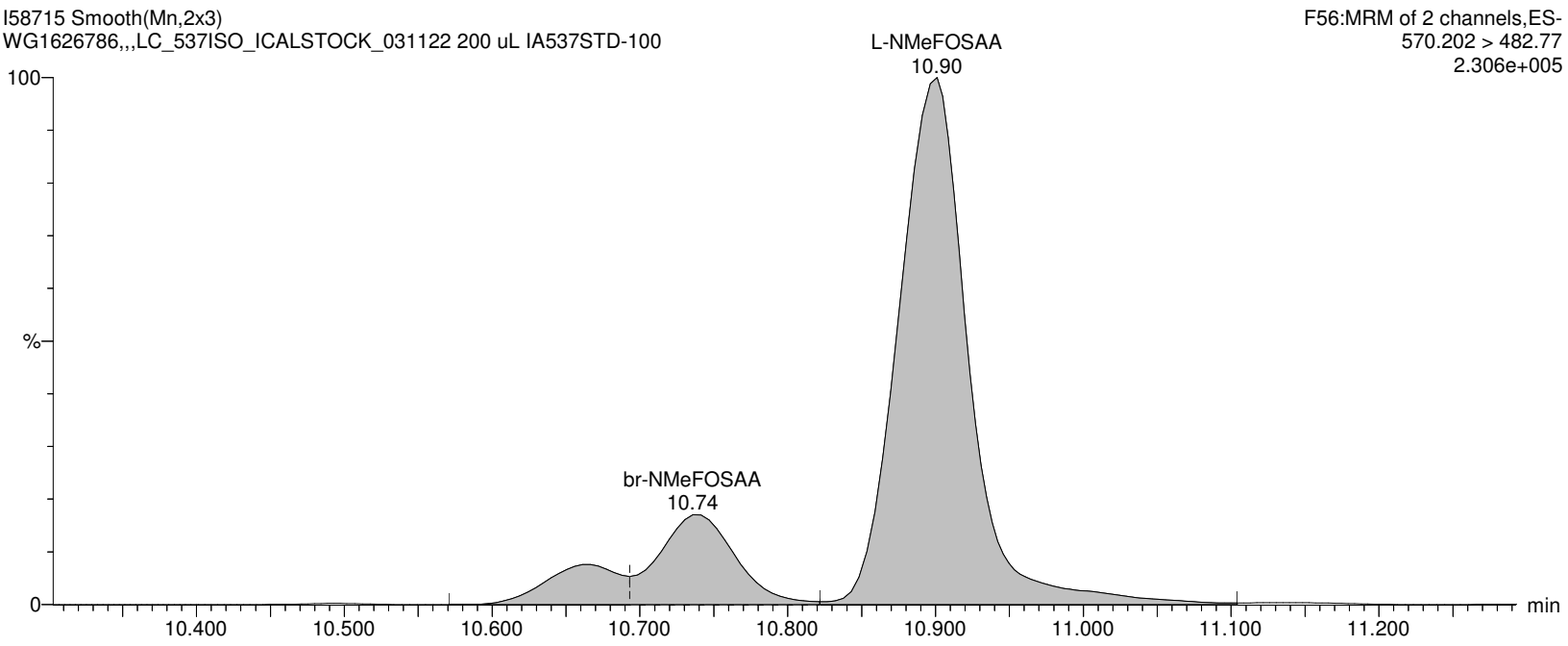
all concentration units in (ng/mL)

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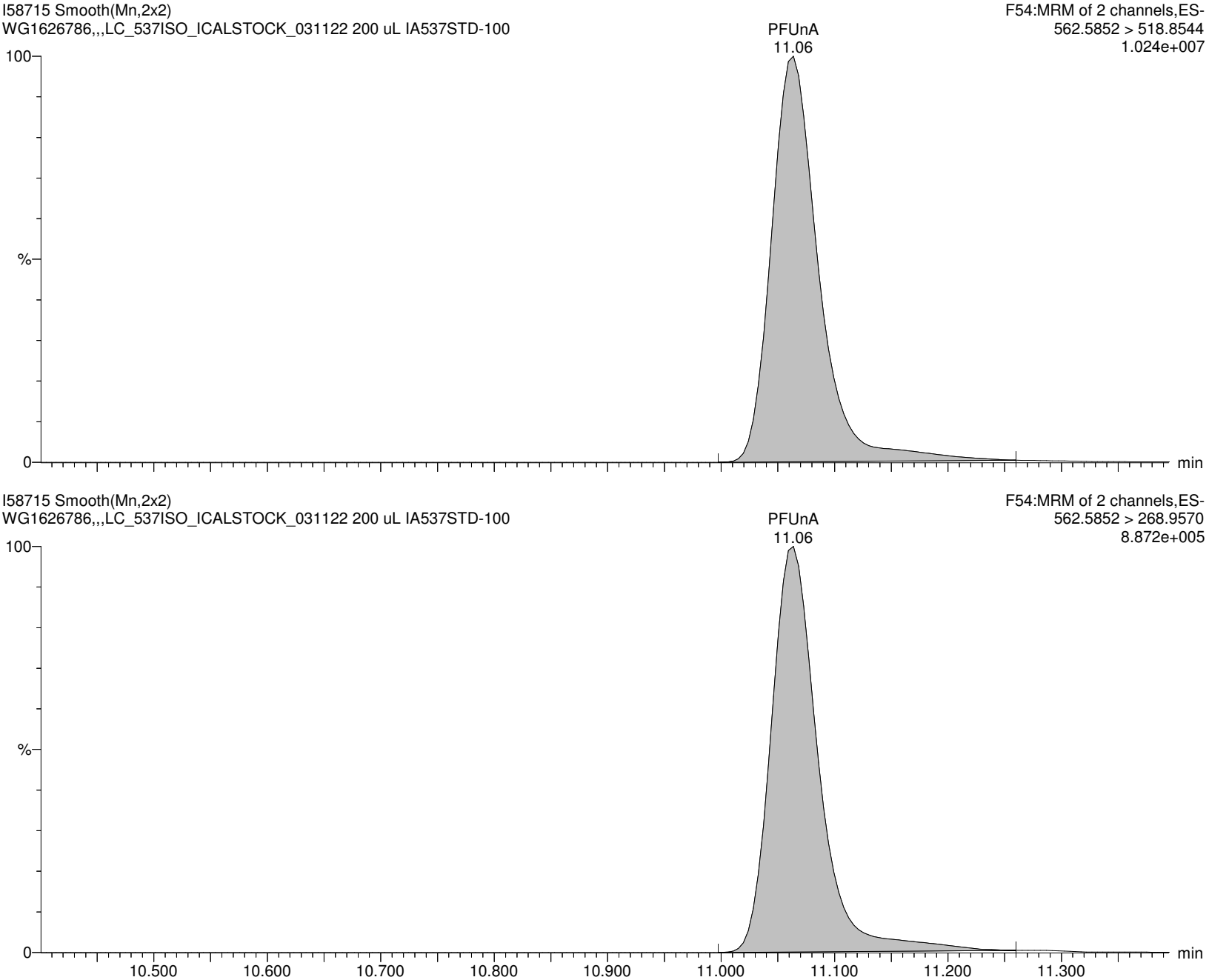


all concentration units in (ng/mL)

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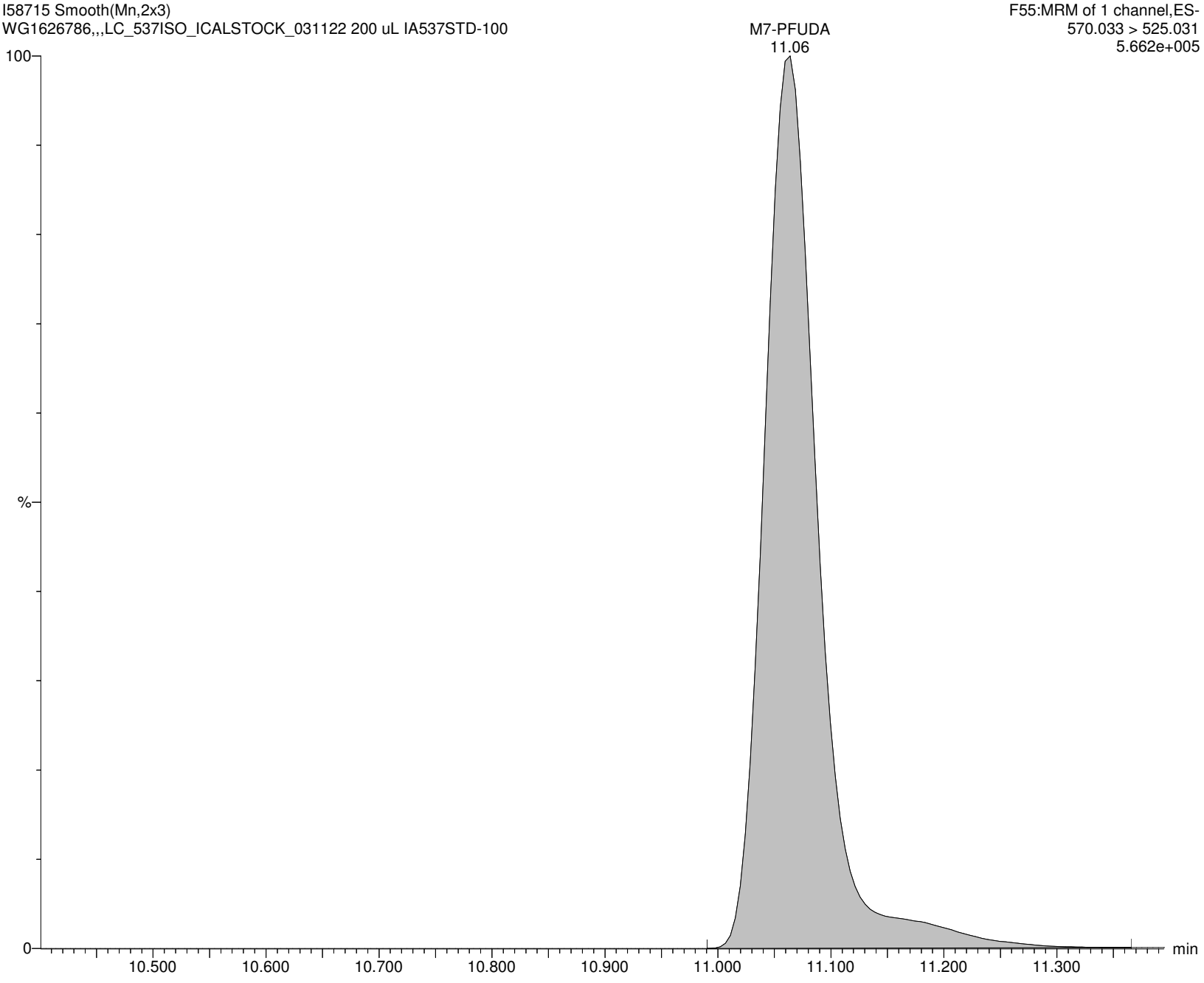


all concentration units in (ng/mL)

Alpha Analytical Inc.
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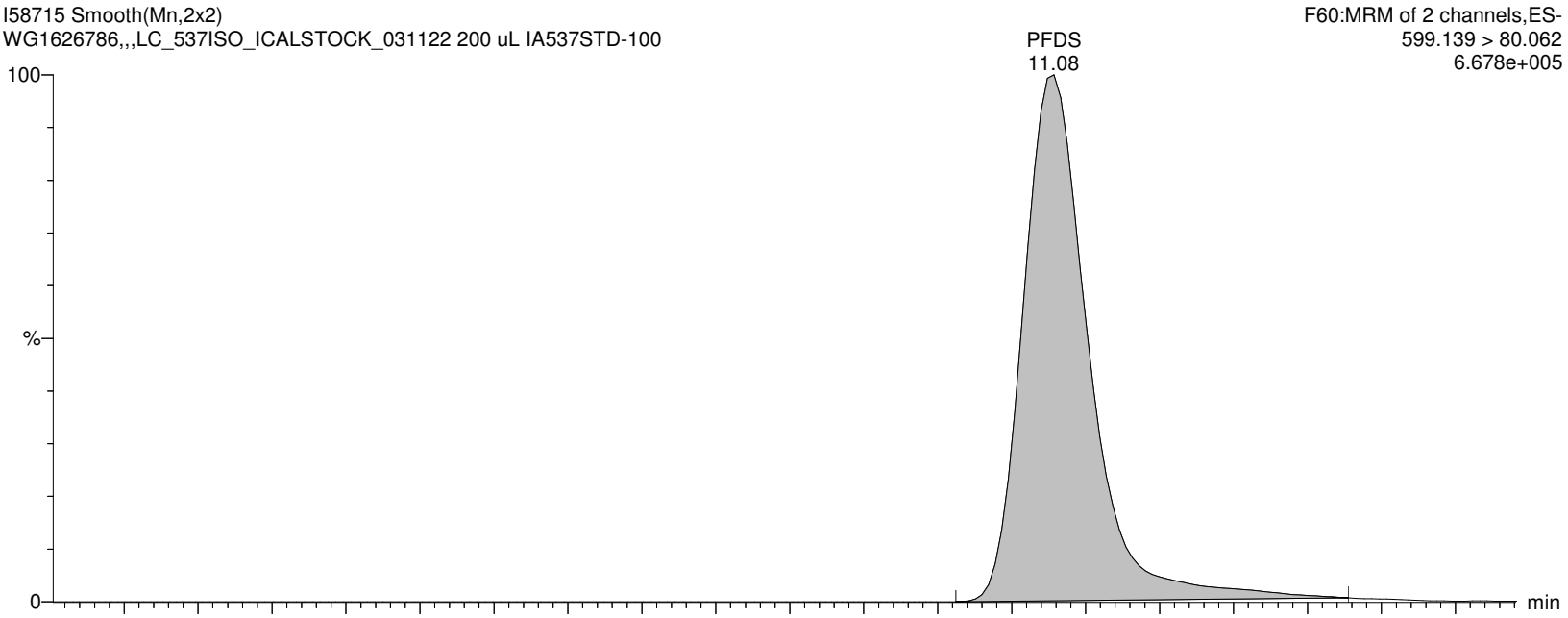


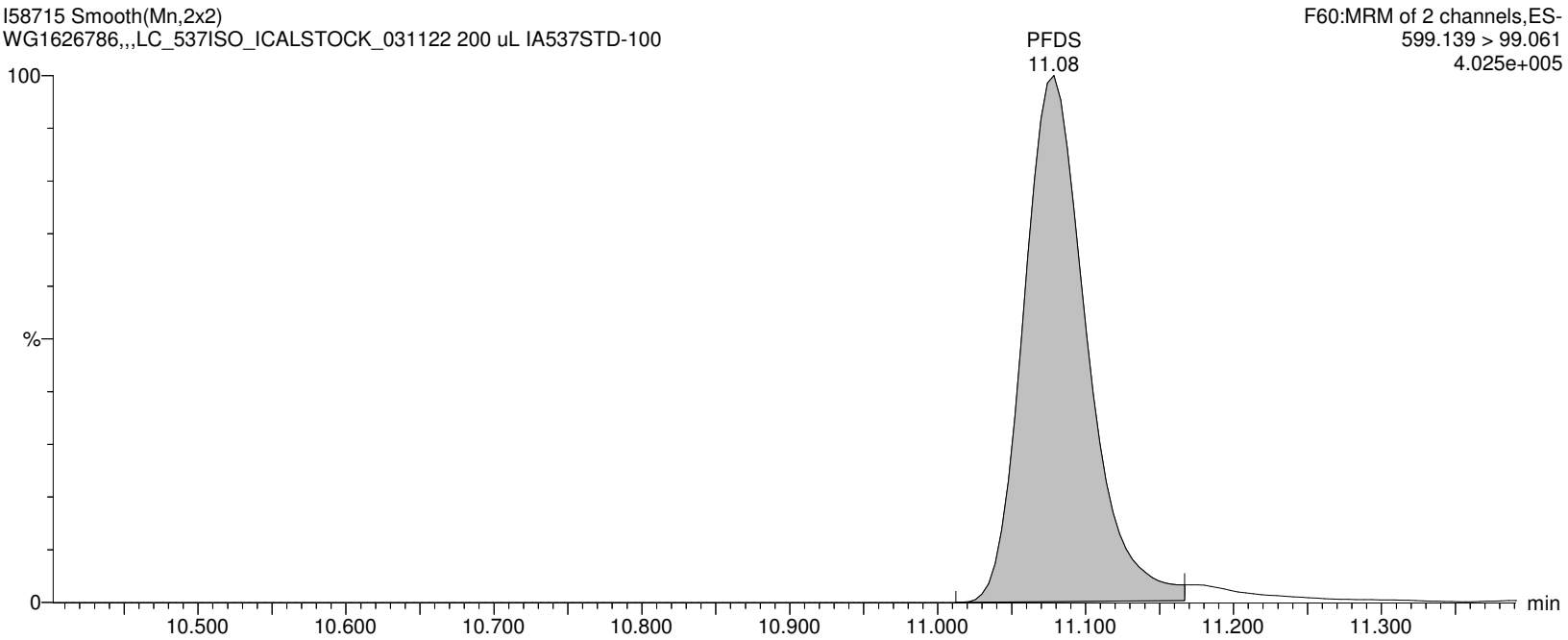
all concentration units in (ng/mL)

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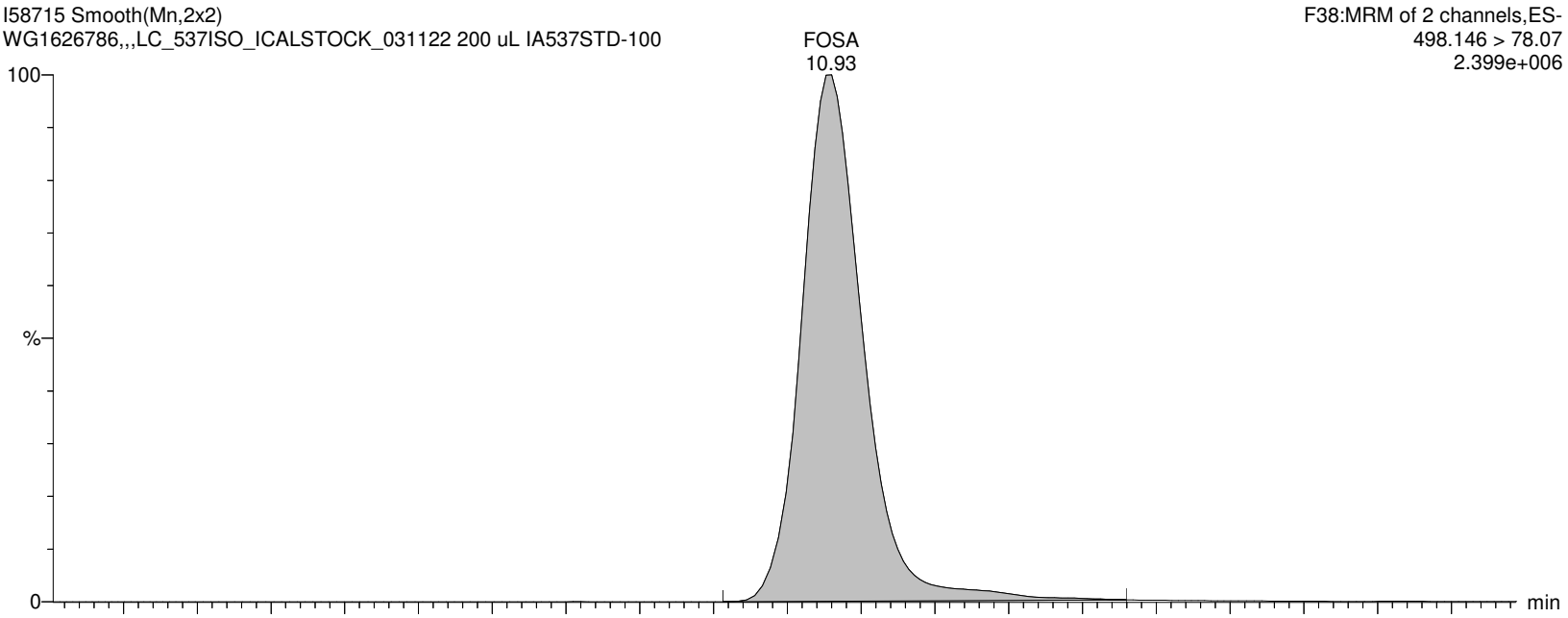


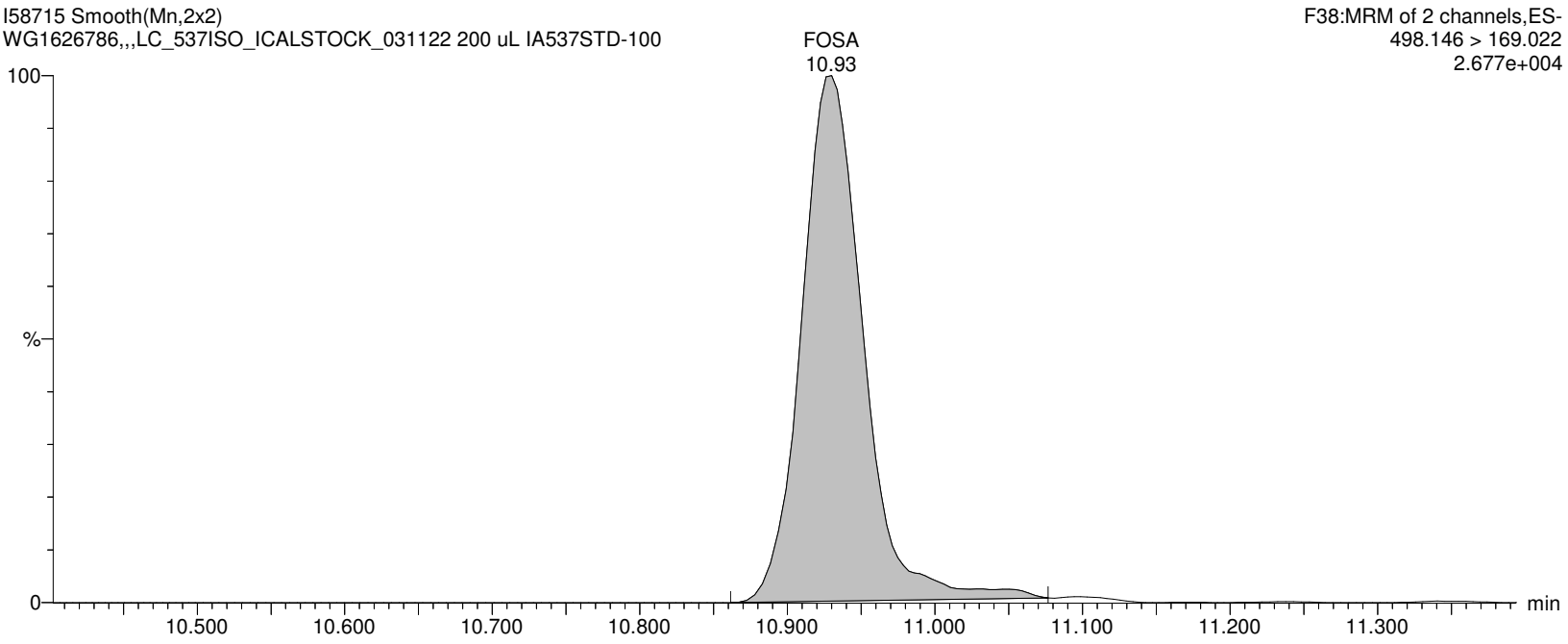
all concentration units in (ng/mL)

Alpha Analytical Inc.
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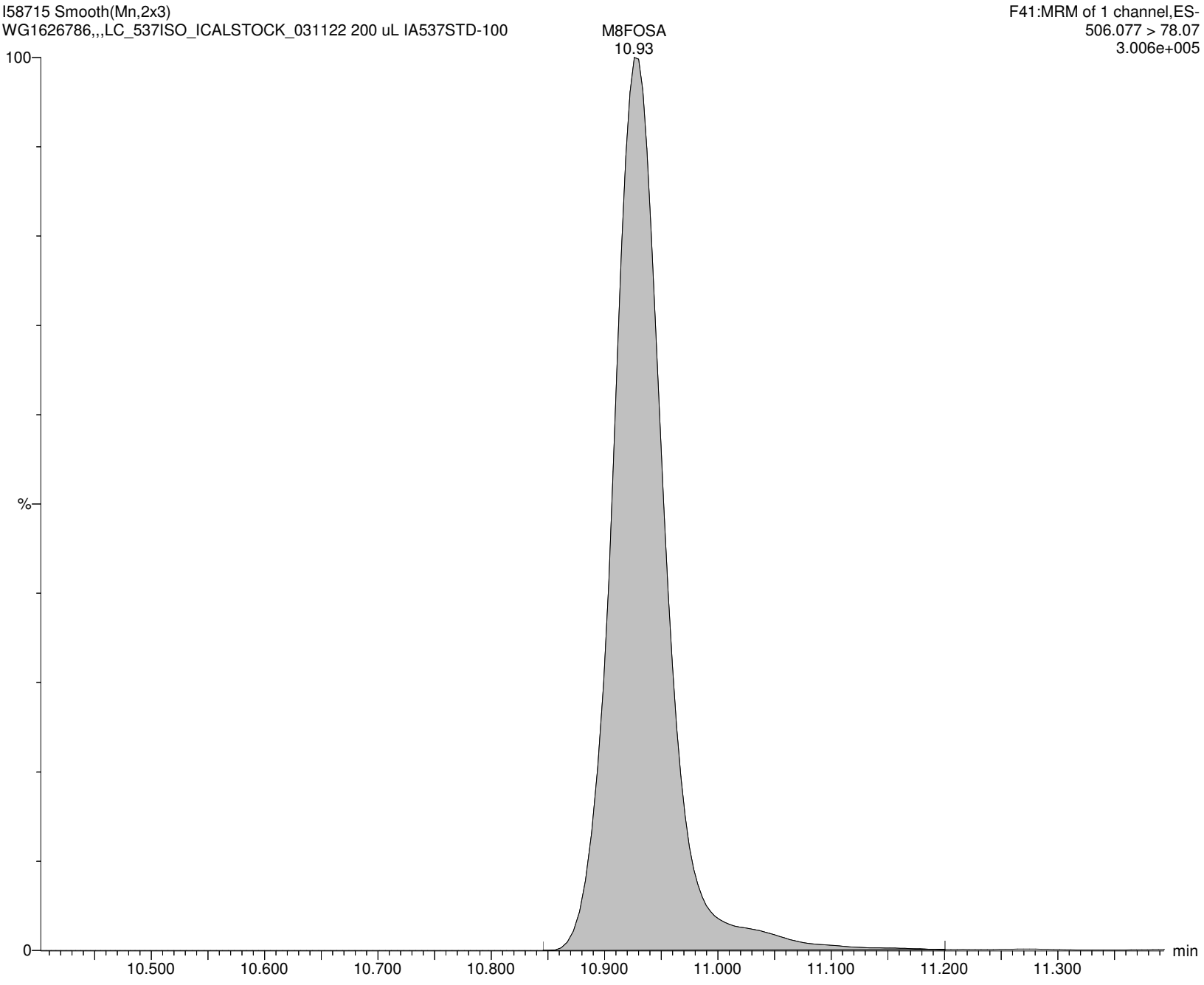


all concentration units in (ng/mL)

Alpha Analytical Inc.
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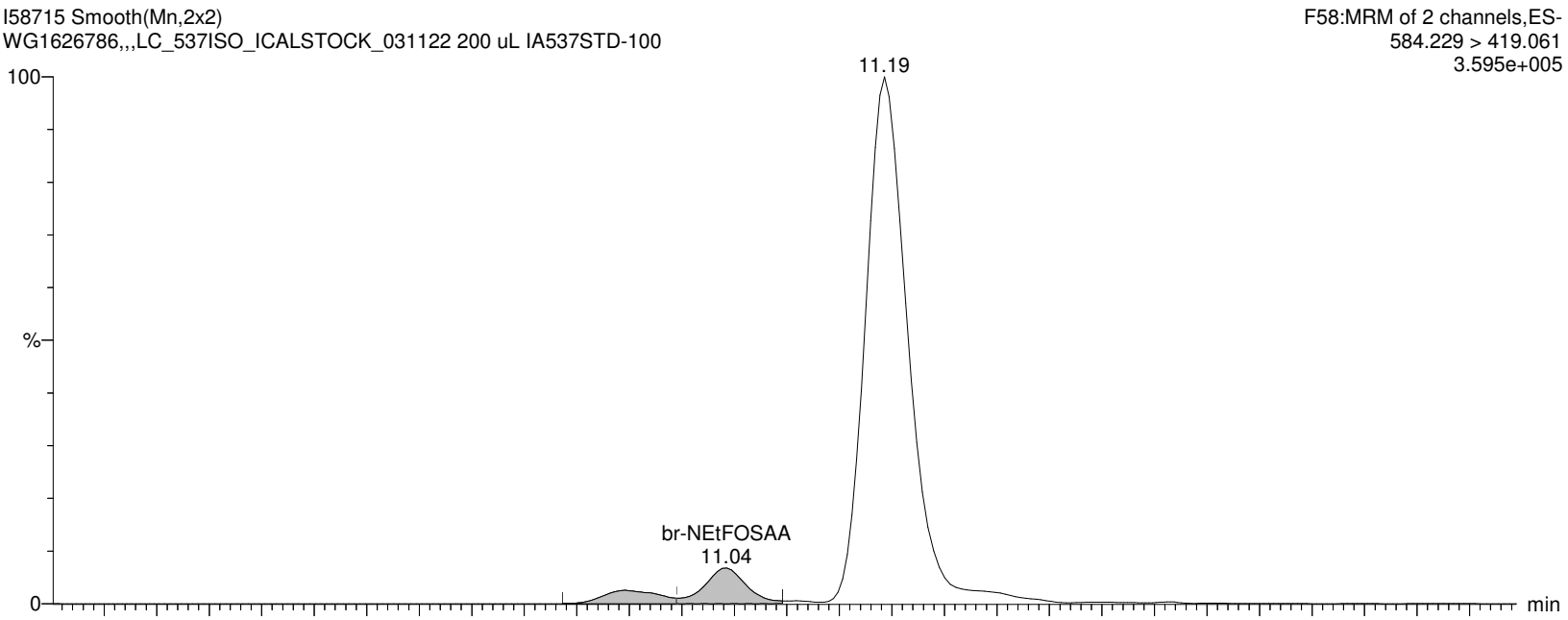


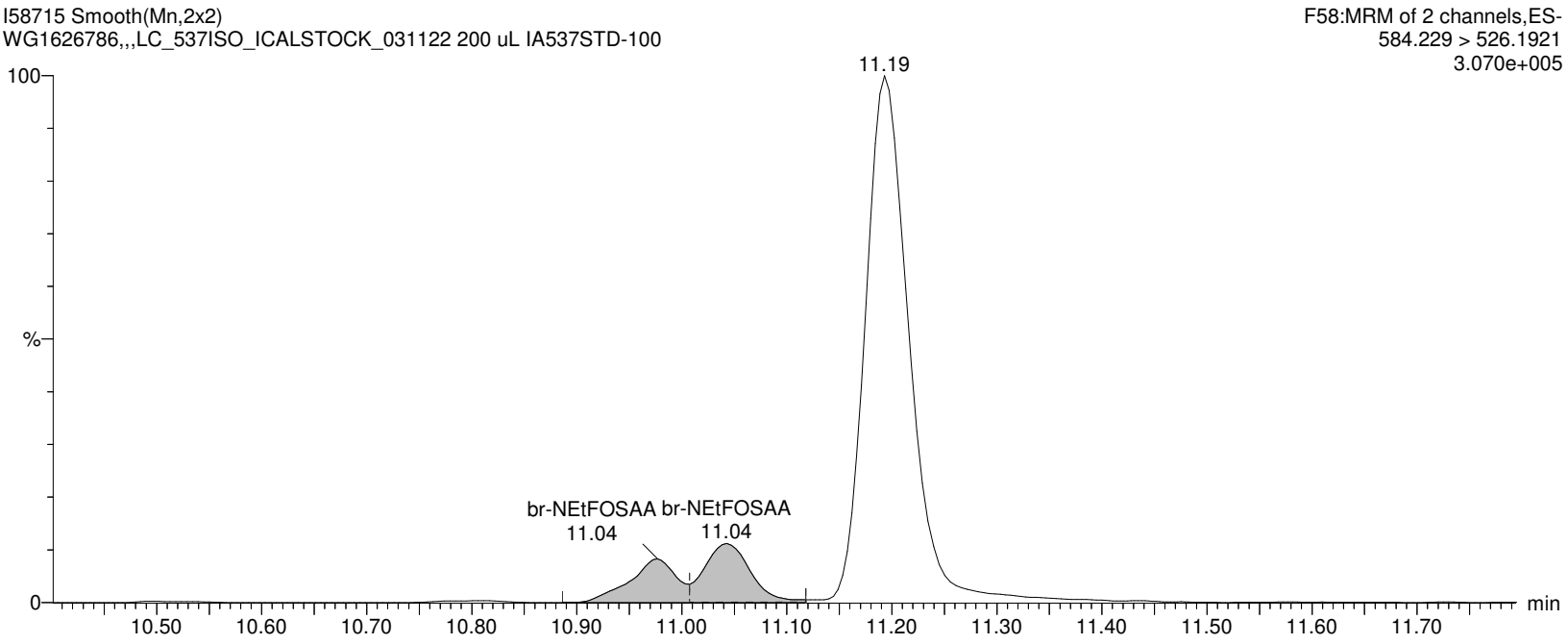
all concentration units in (ng/mL)

Alpha Analytical Inc.
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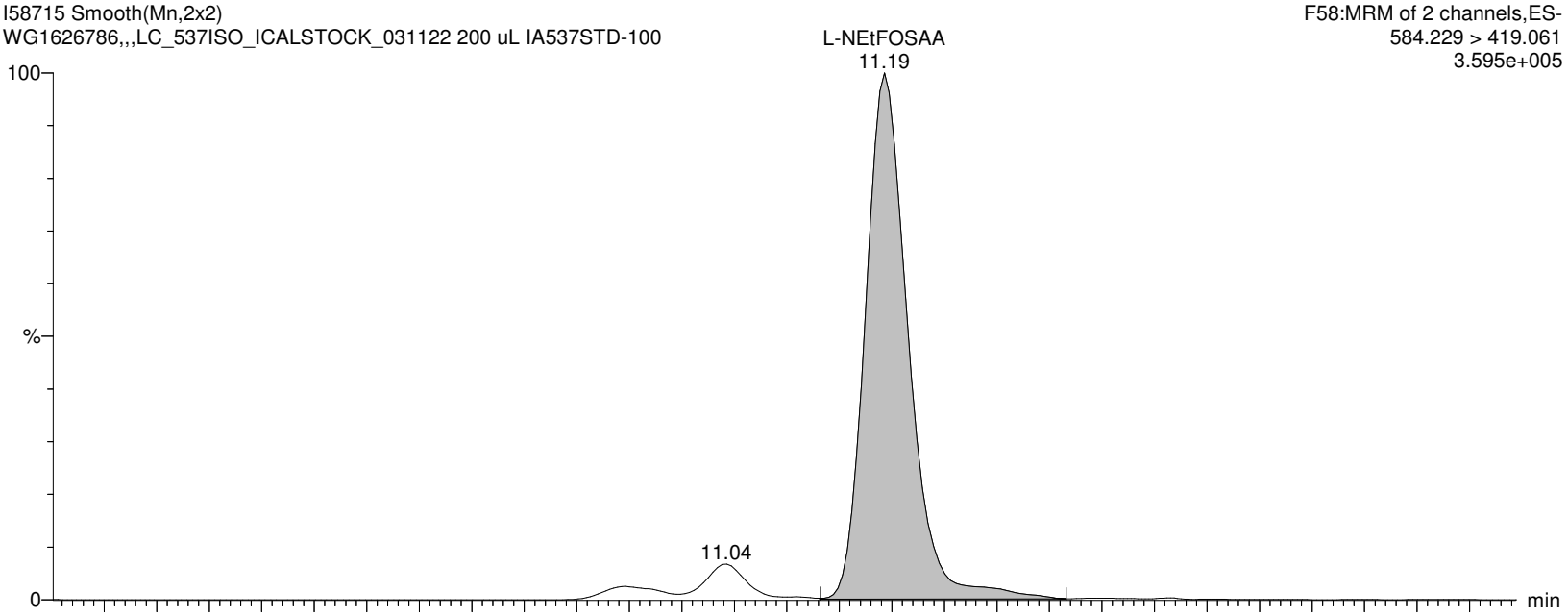


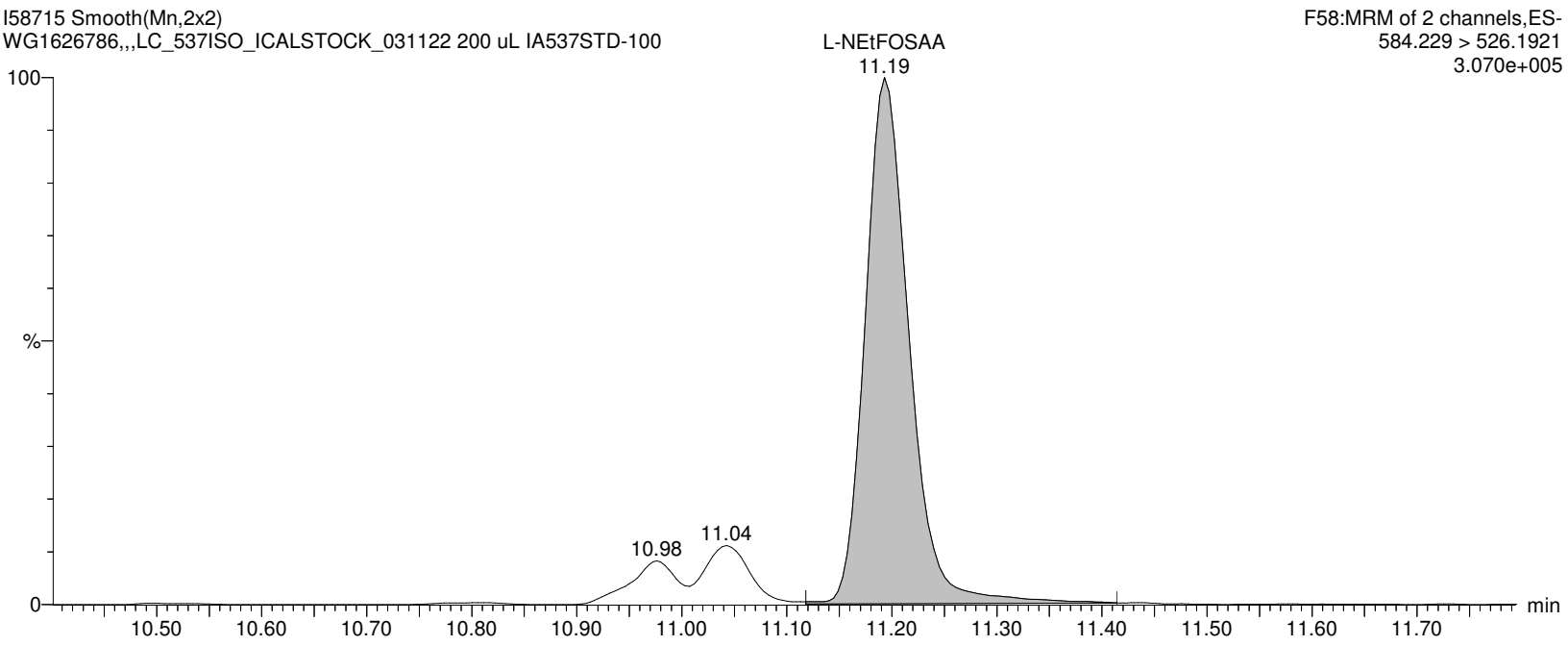
all concentration units in (ng/mL)

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L-NEtFOSAA



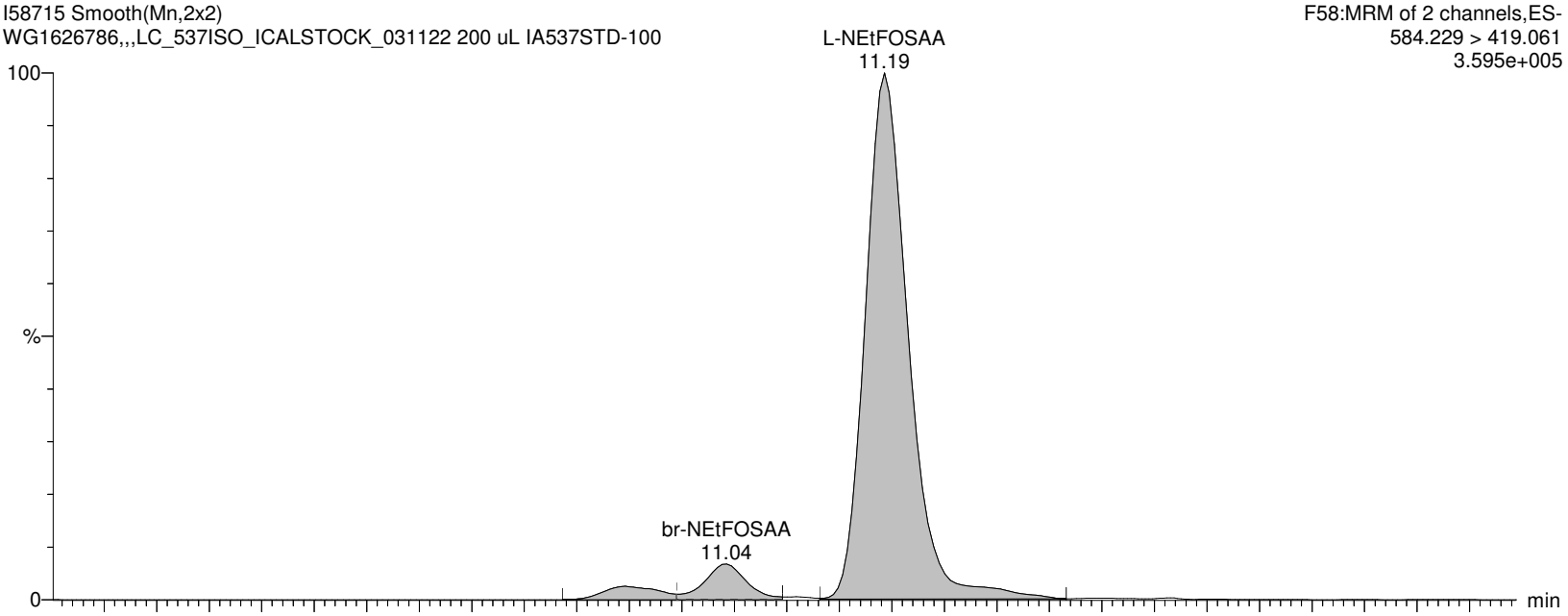


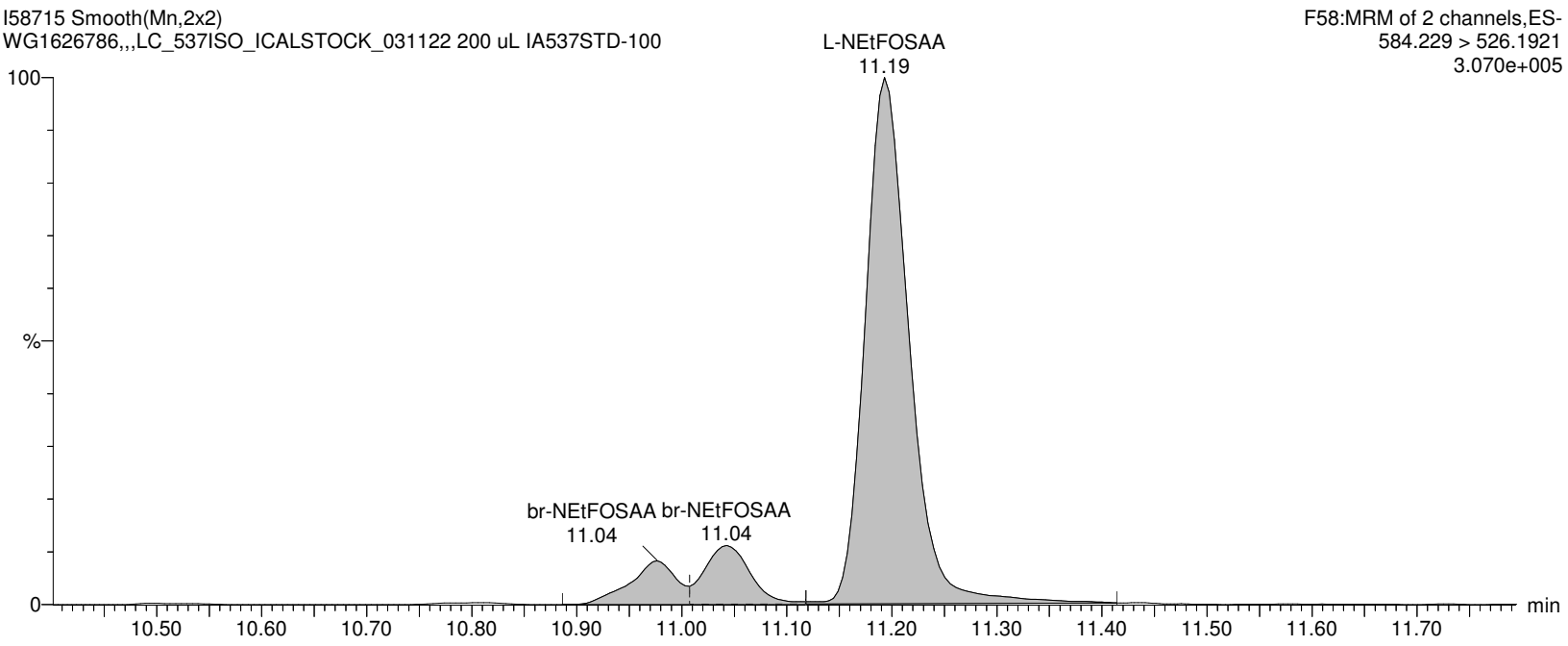
all concentration units in (ng/mL)

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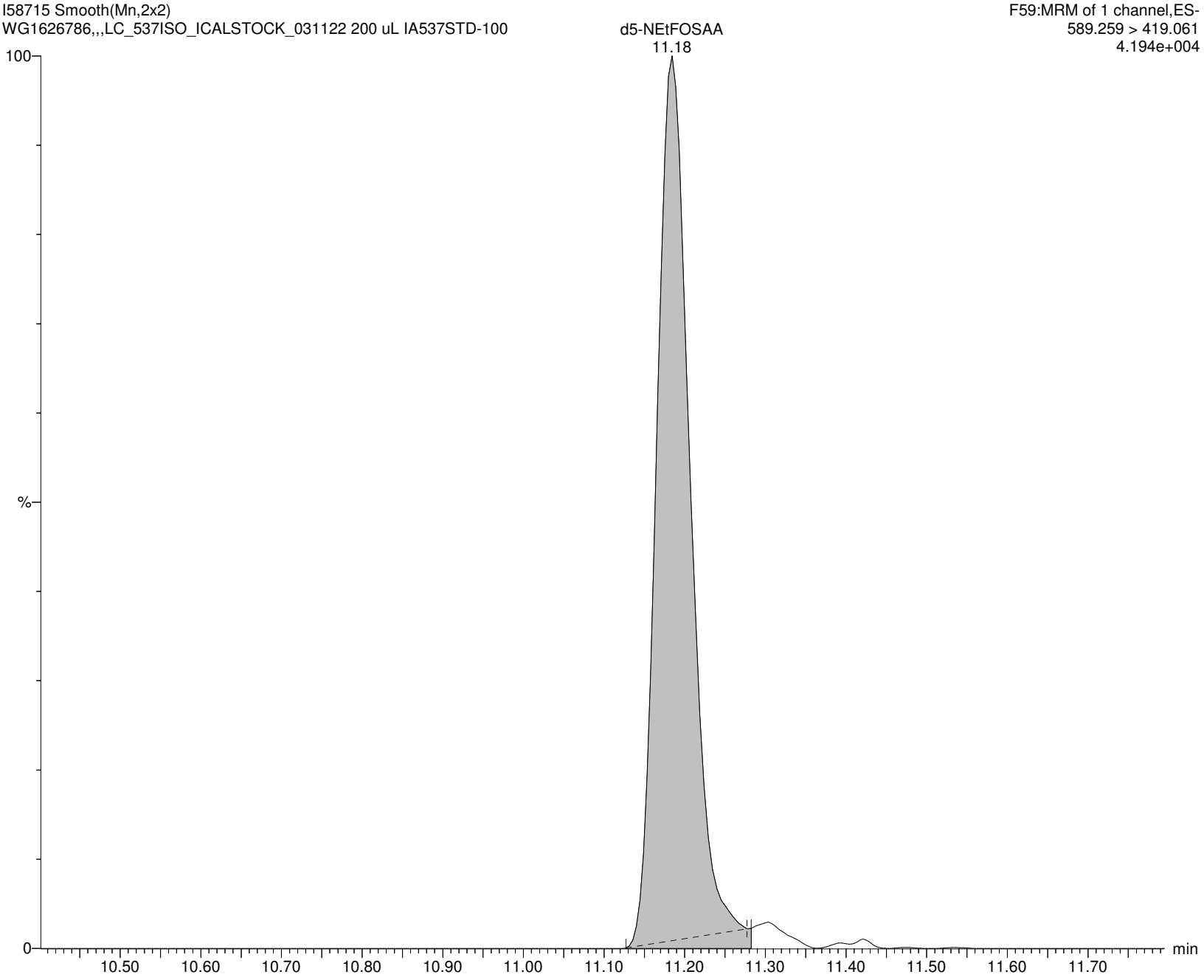


all concentration units in (ng/mL)

Alpha Analytical Inc.
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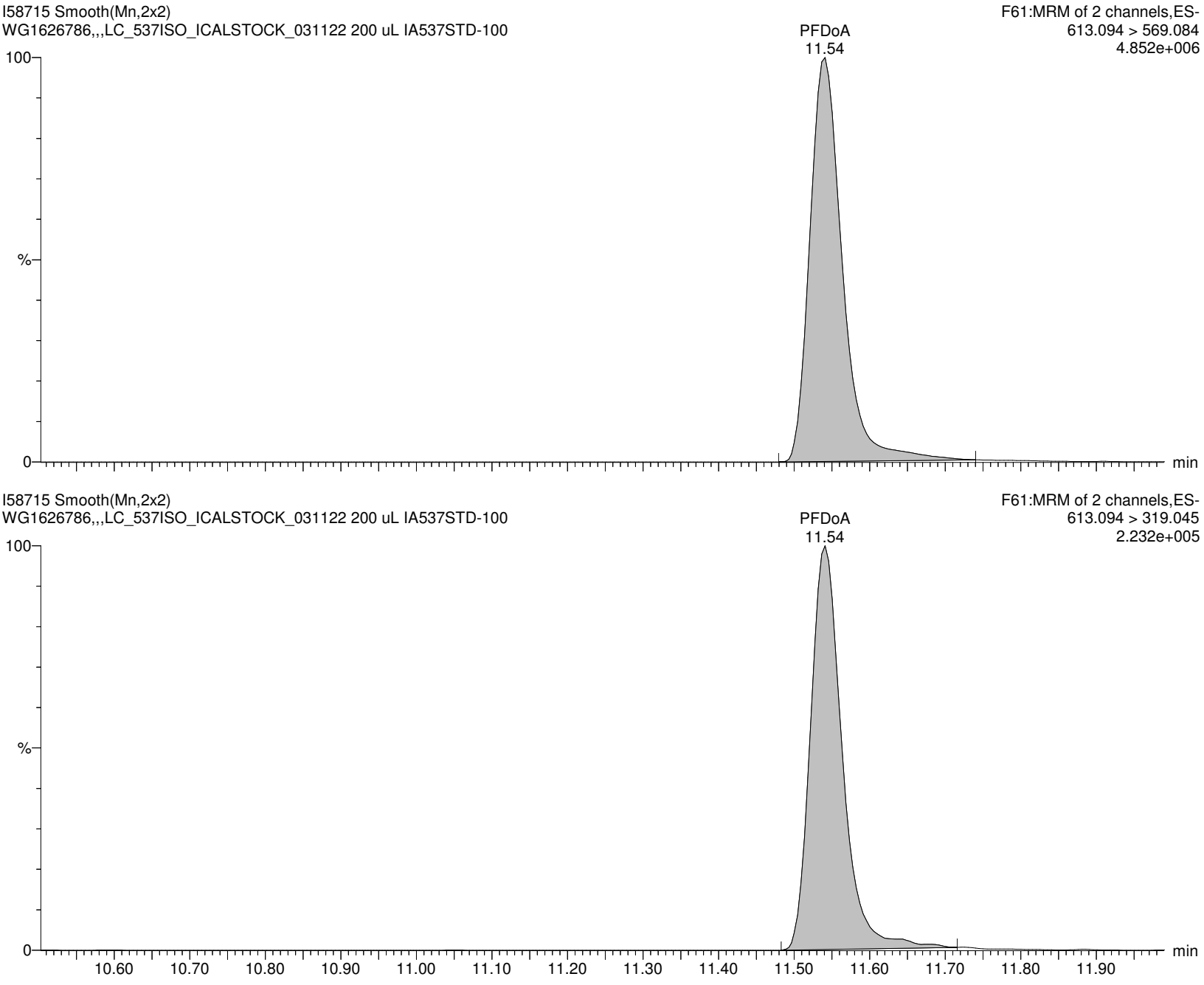


all concentration units in (ng/mL)

Alpha Analytical Inc.
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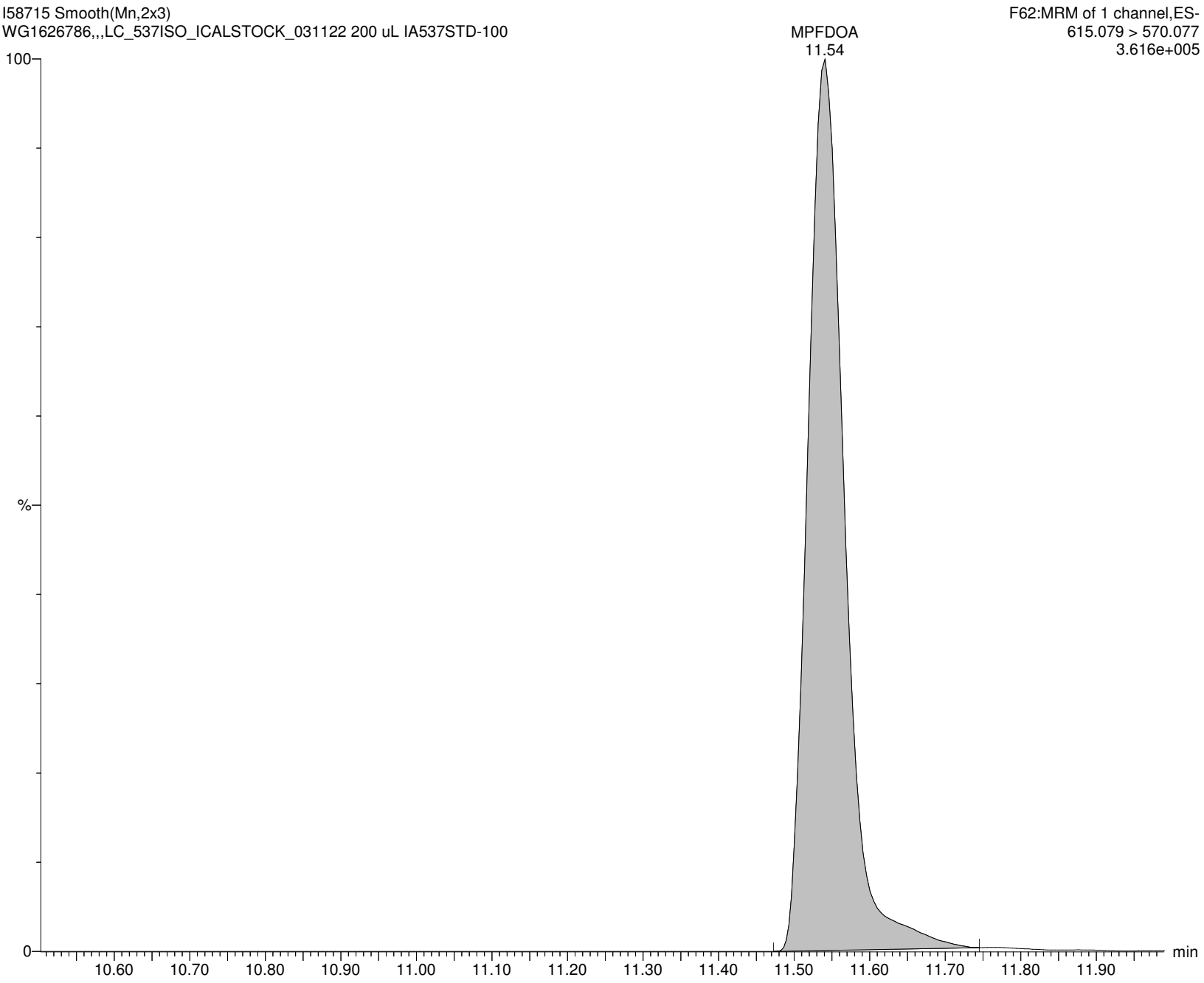


all concentration units in (ng/mL)

Alpha Analytical Inc.
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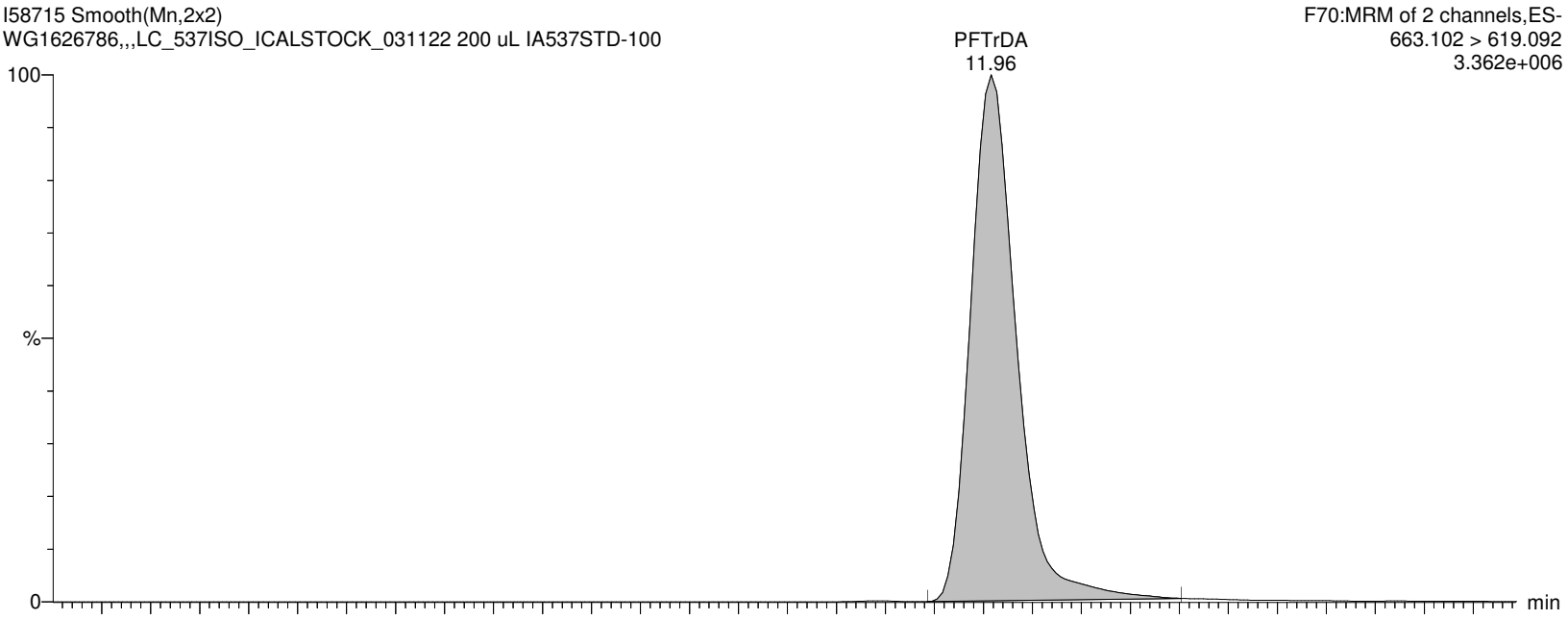


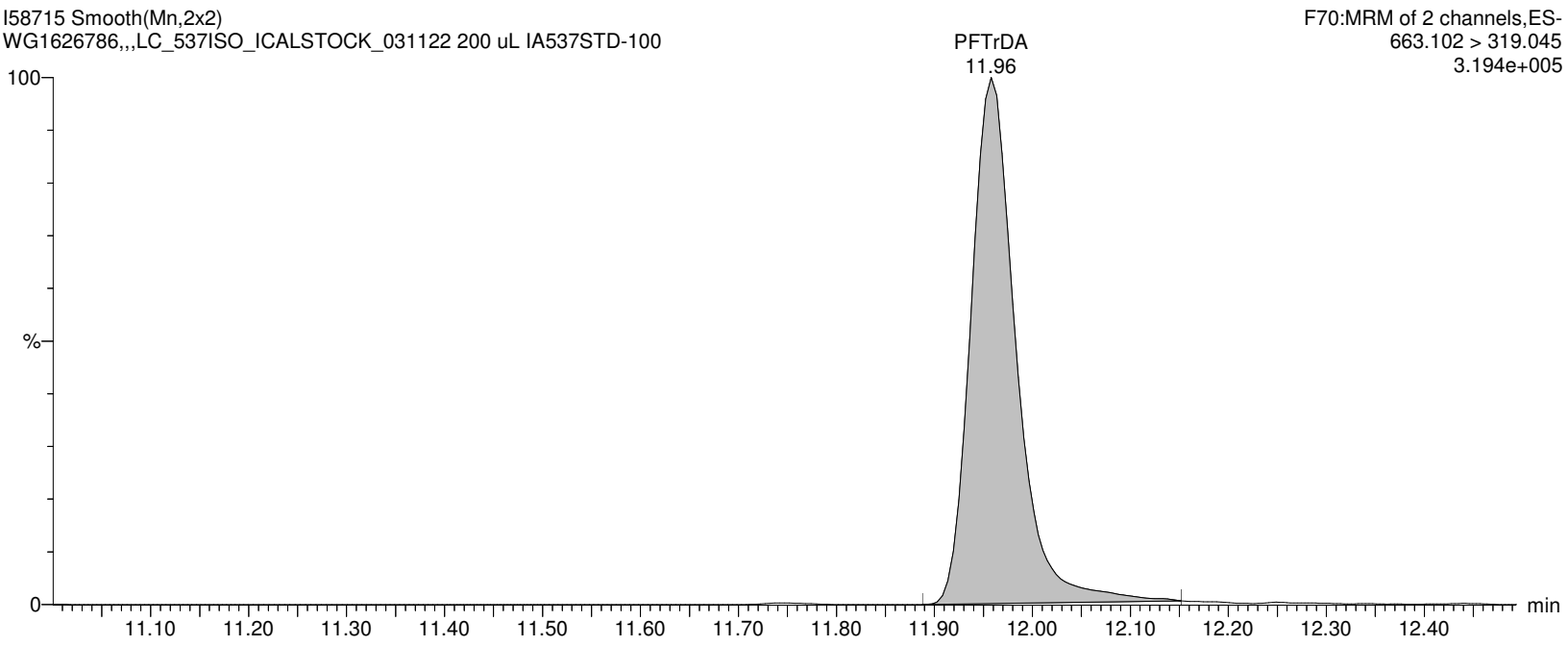
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Alpha Analytical Inc.
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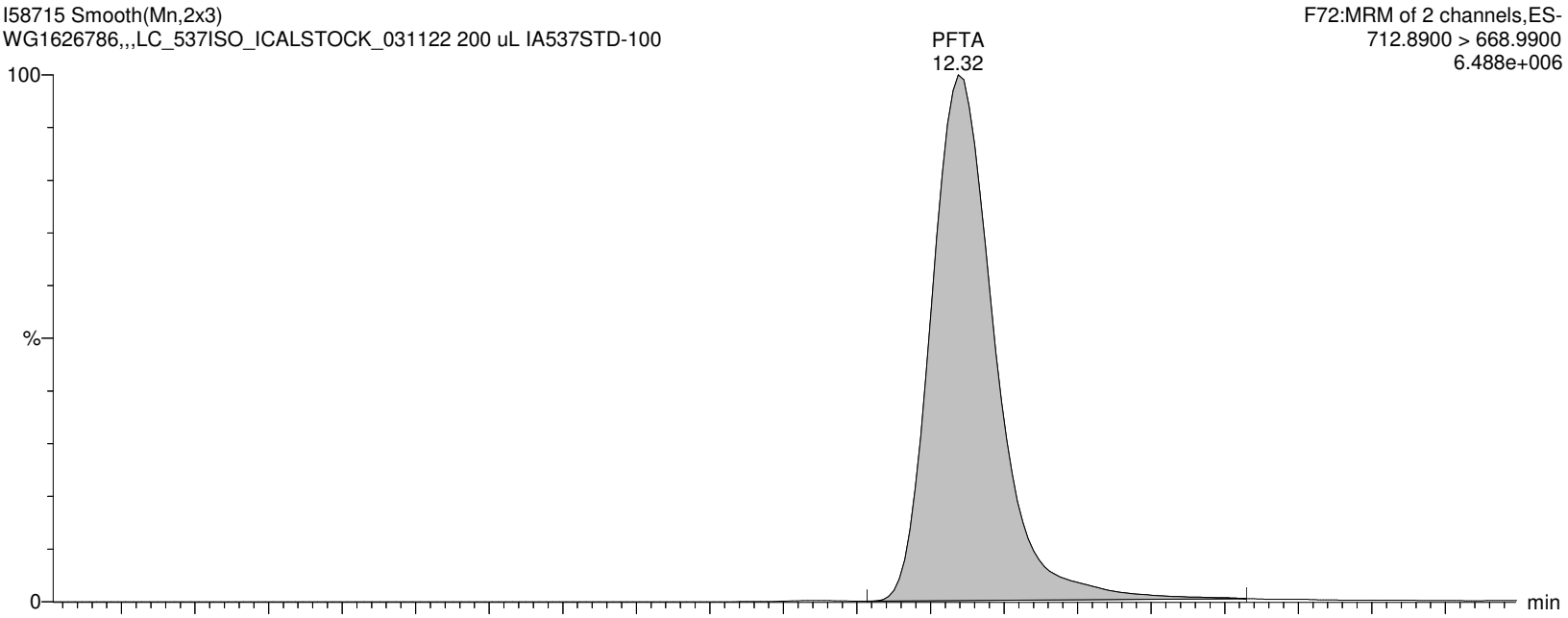


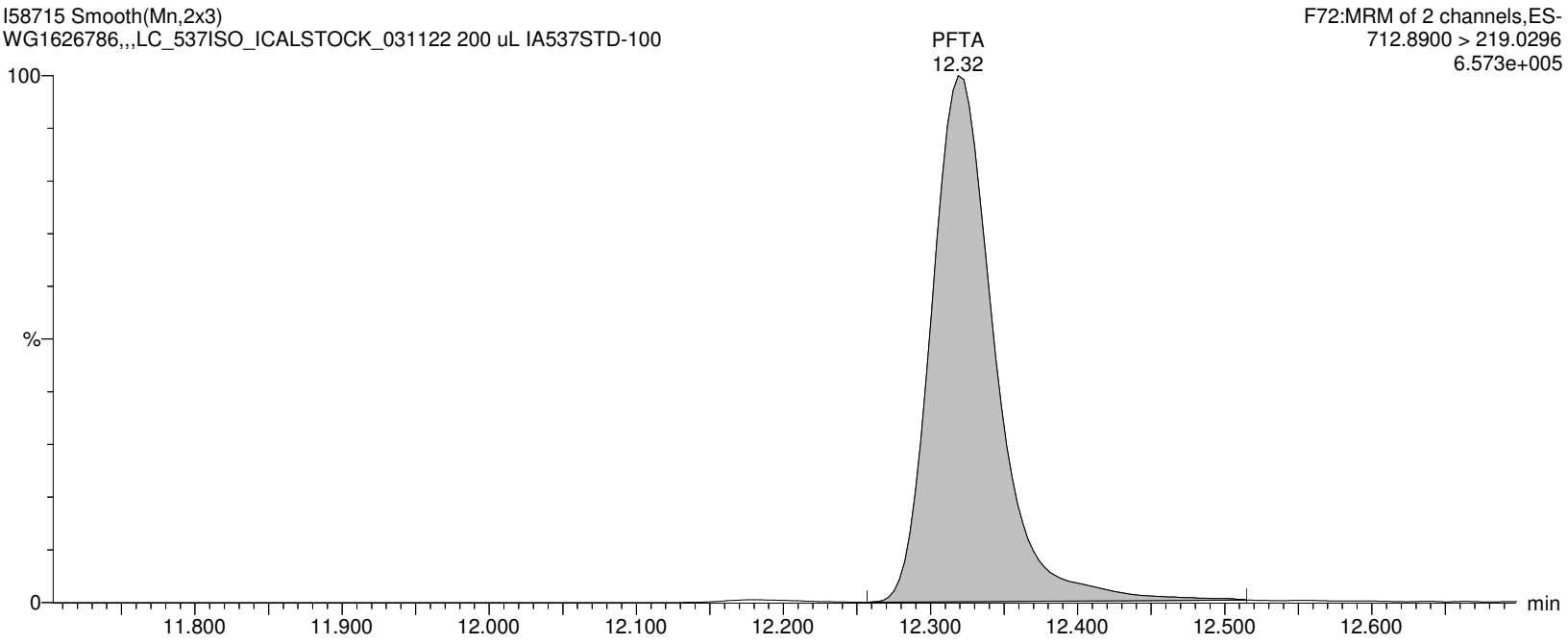
all concentration units in (ng/mL)

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PFTA



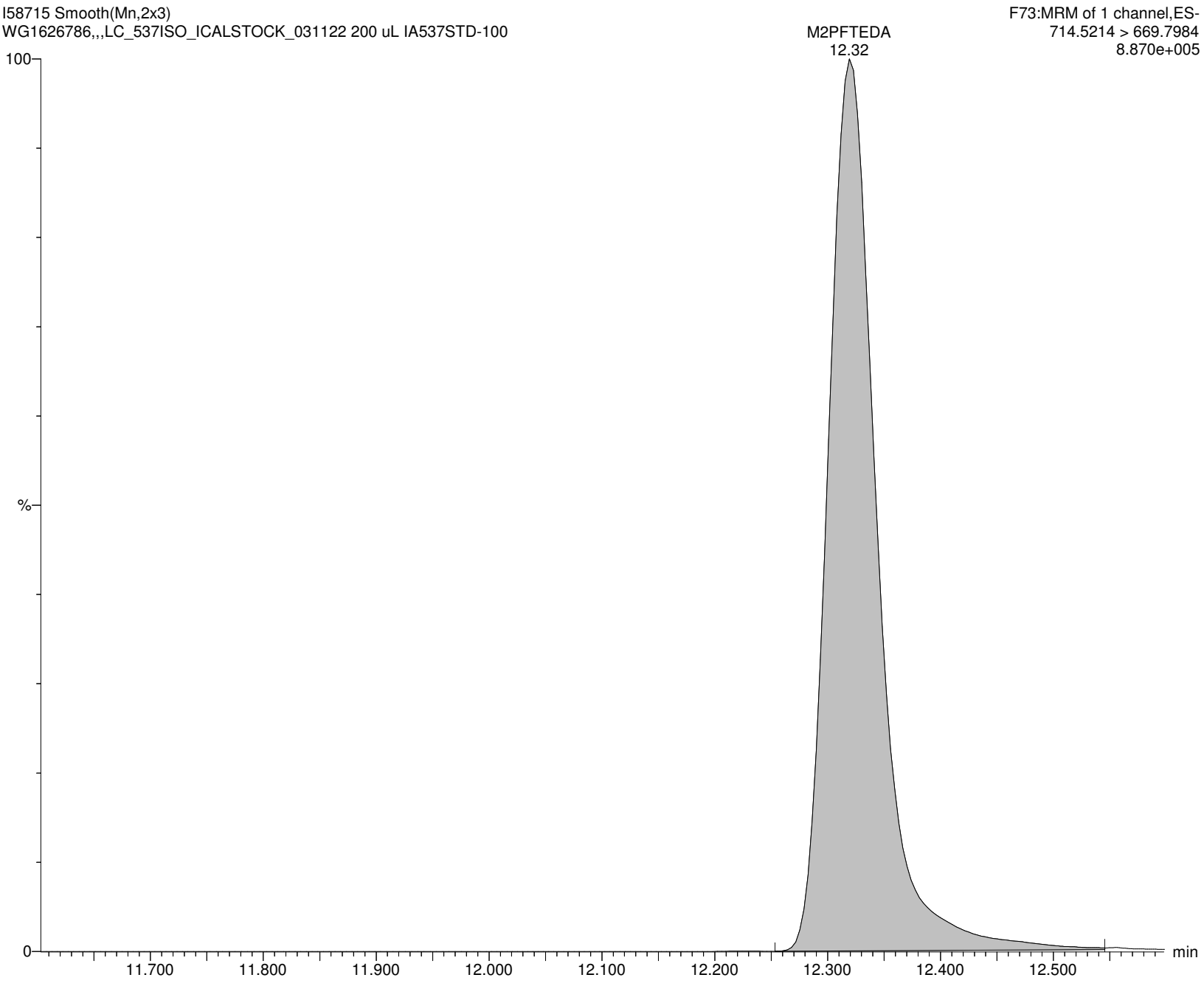


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:12:37
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Vial: 1:B,1
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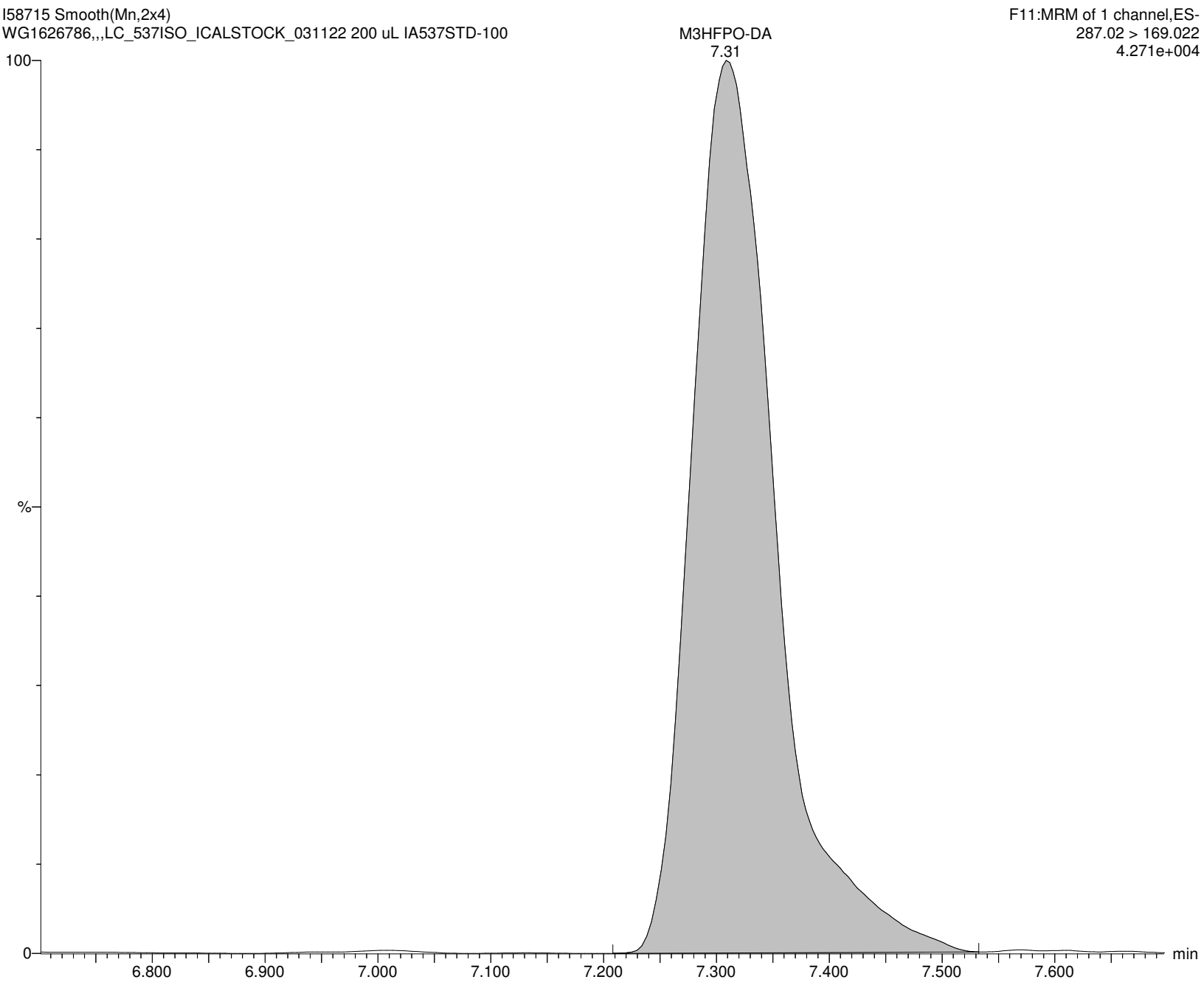


all concentration units in (ng/mL)

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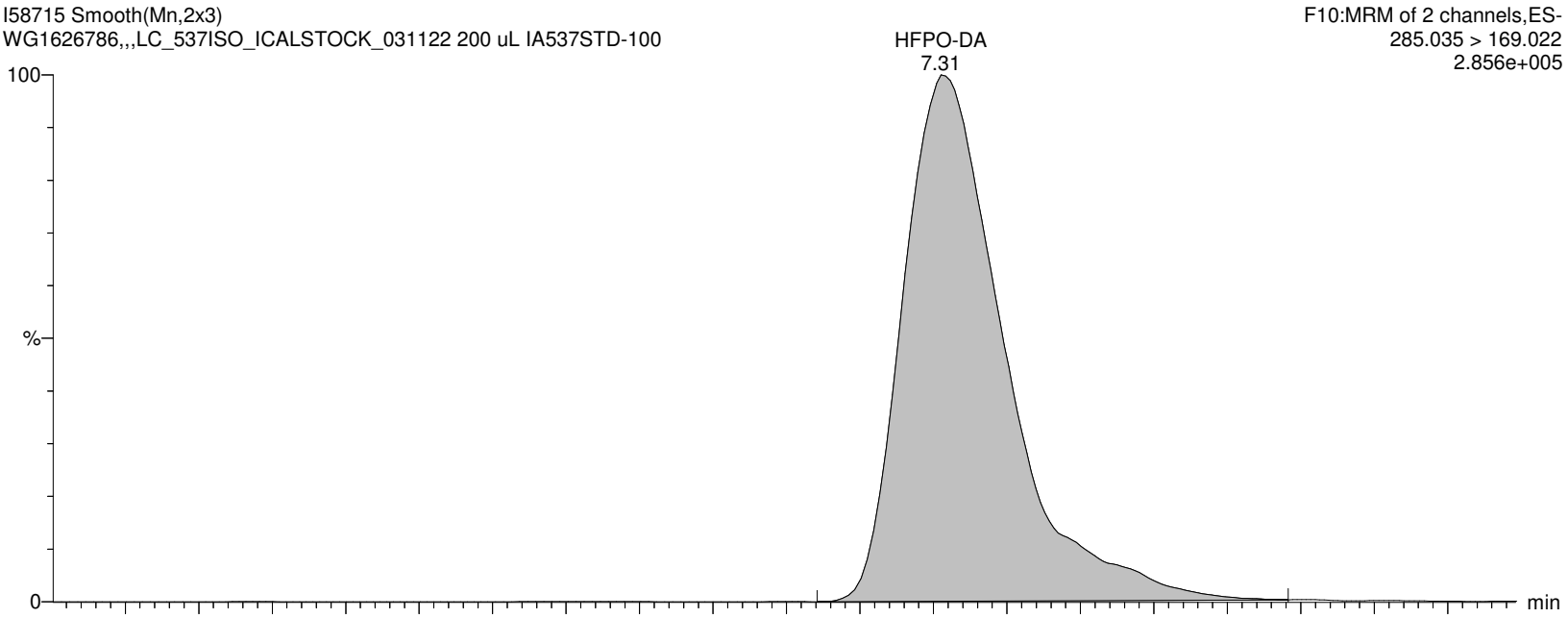


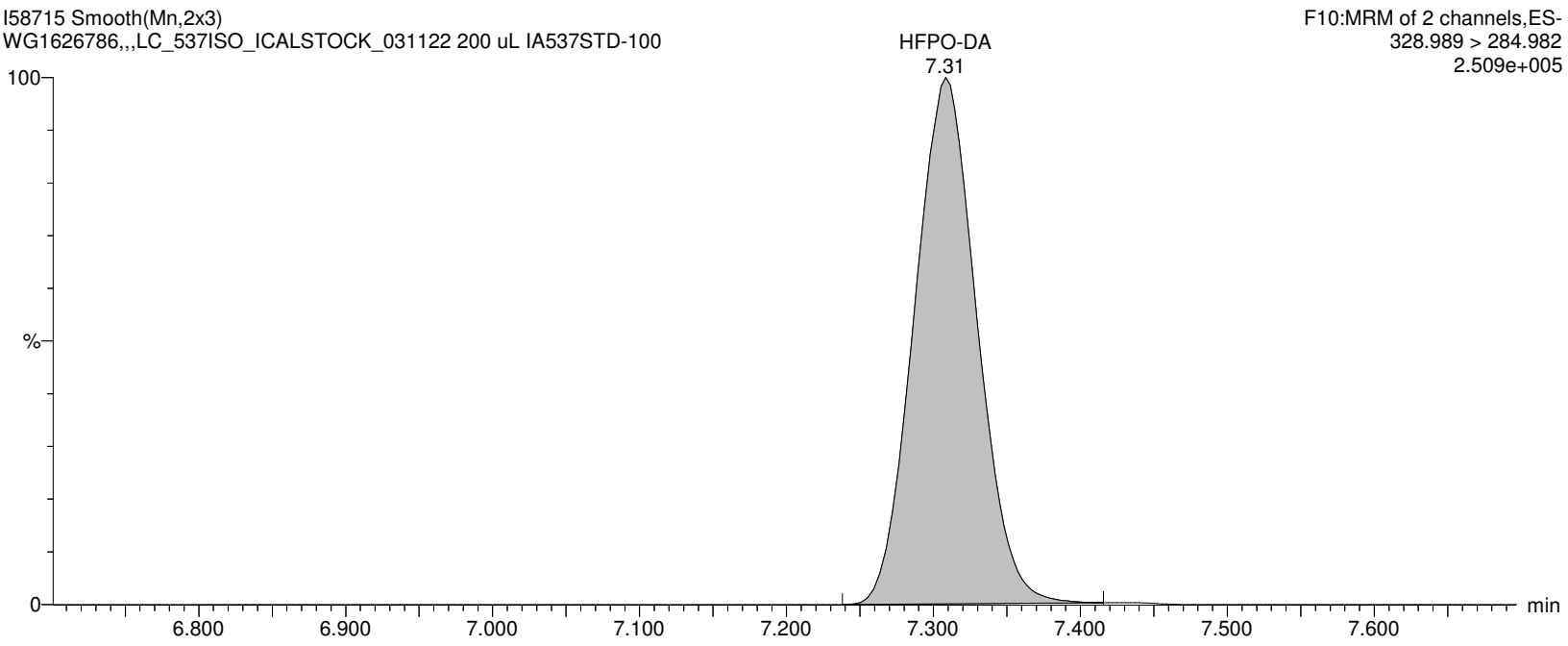
all concentration units in (ng/mL)

Alpha Analytical Inc.
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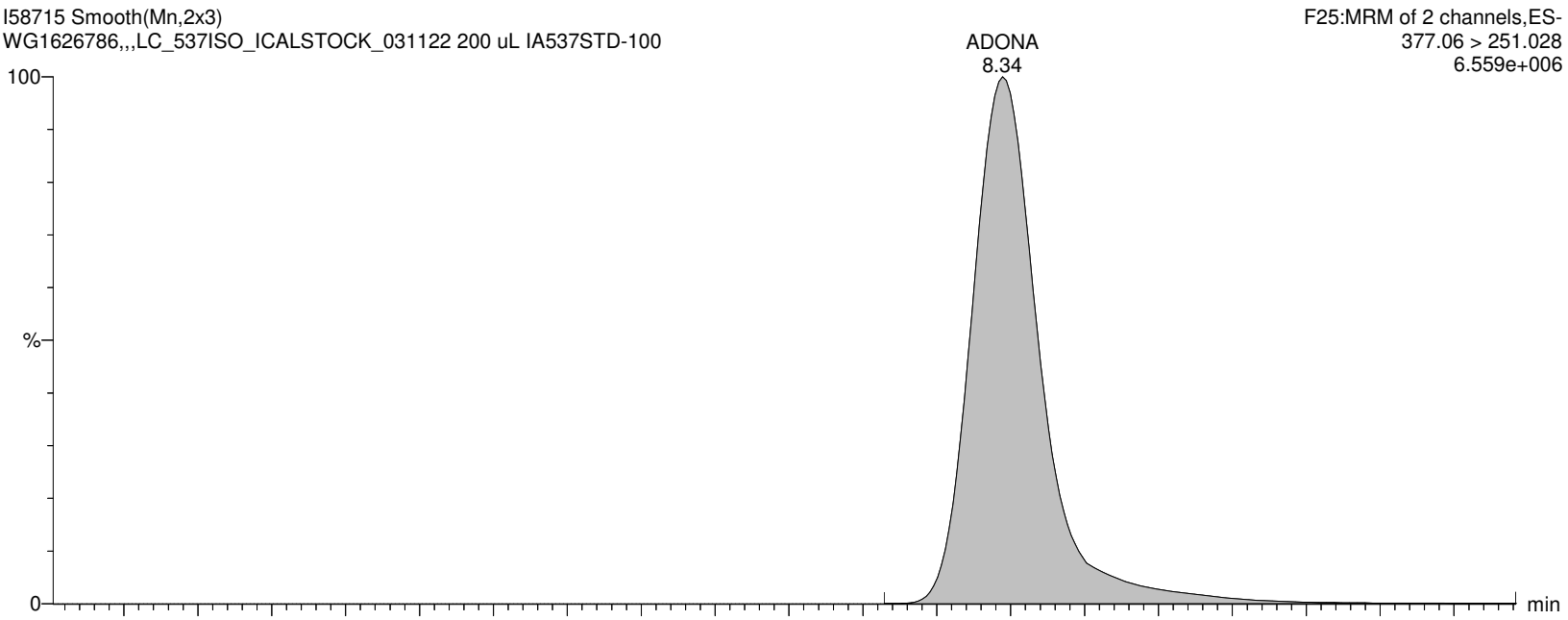


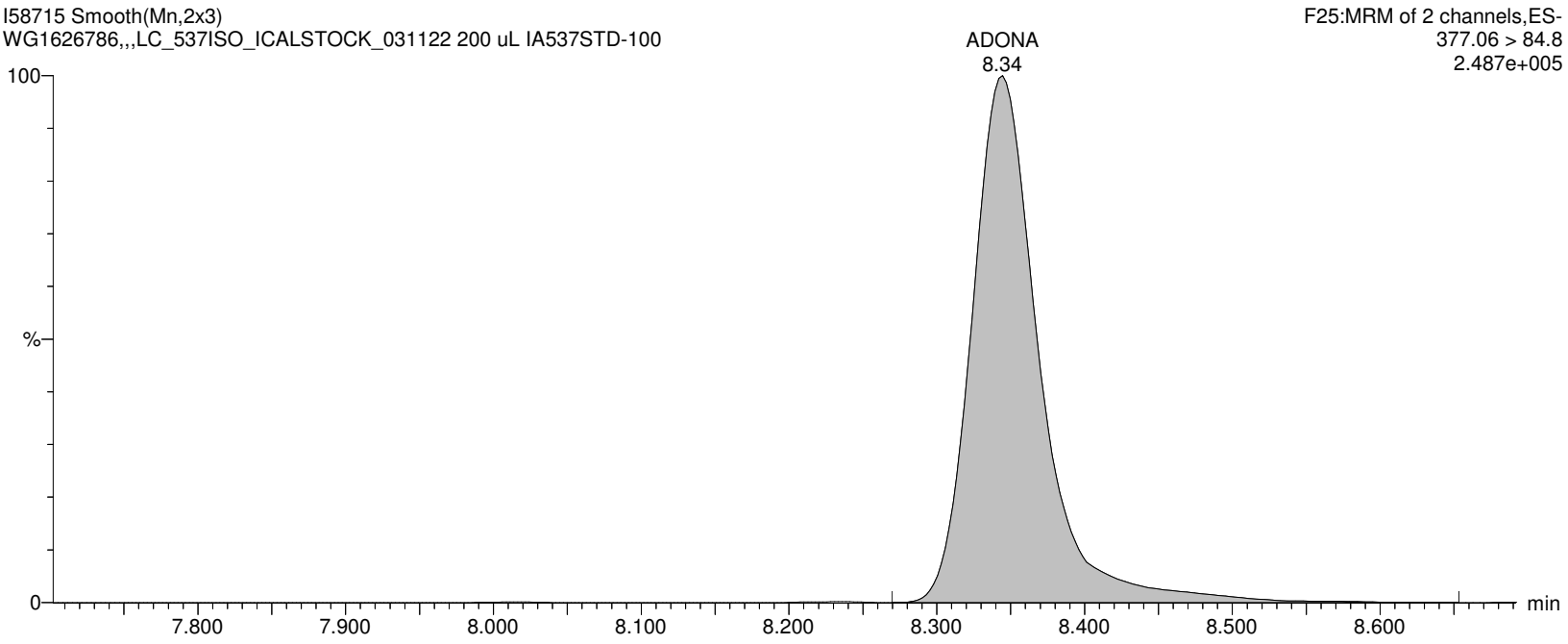
all concentration units in (ng/mL)

Alpha Analytical Inc.
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ADONA



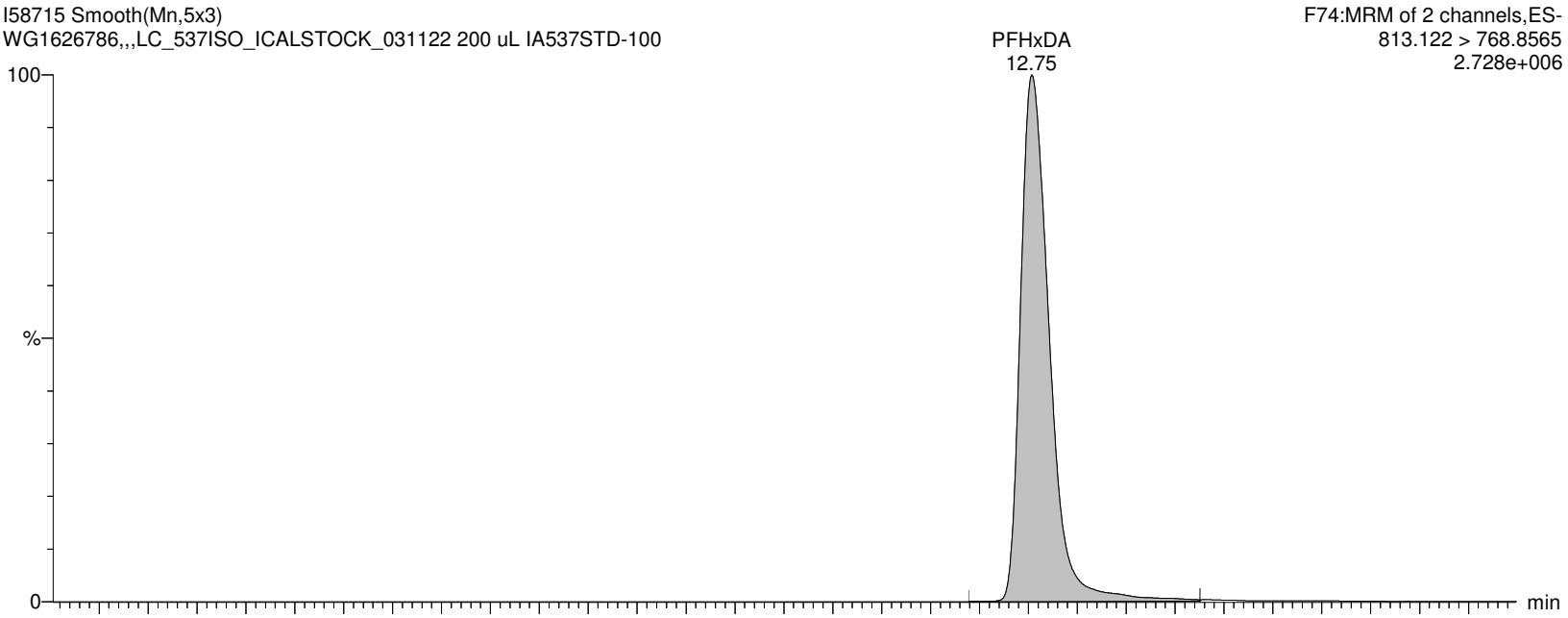


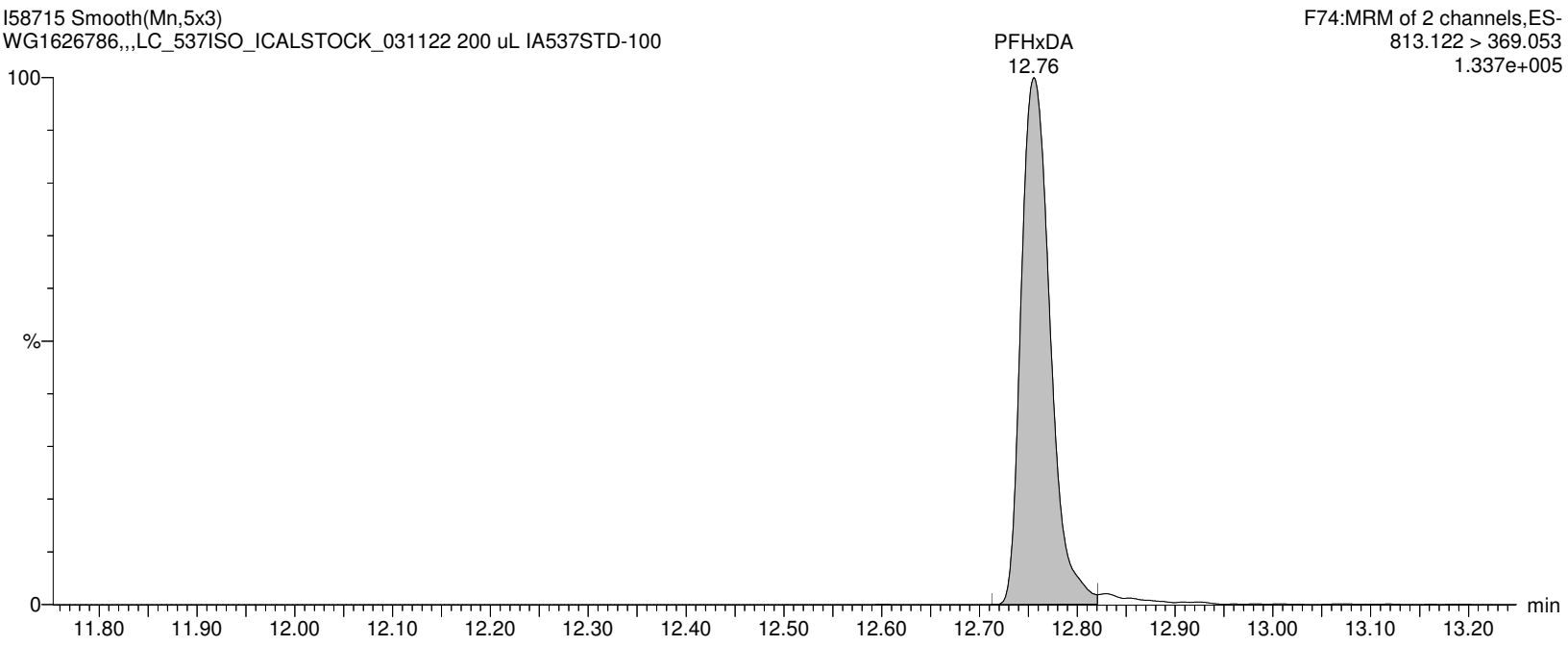
all concentration units in (ng/mL)

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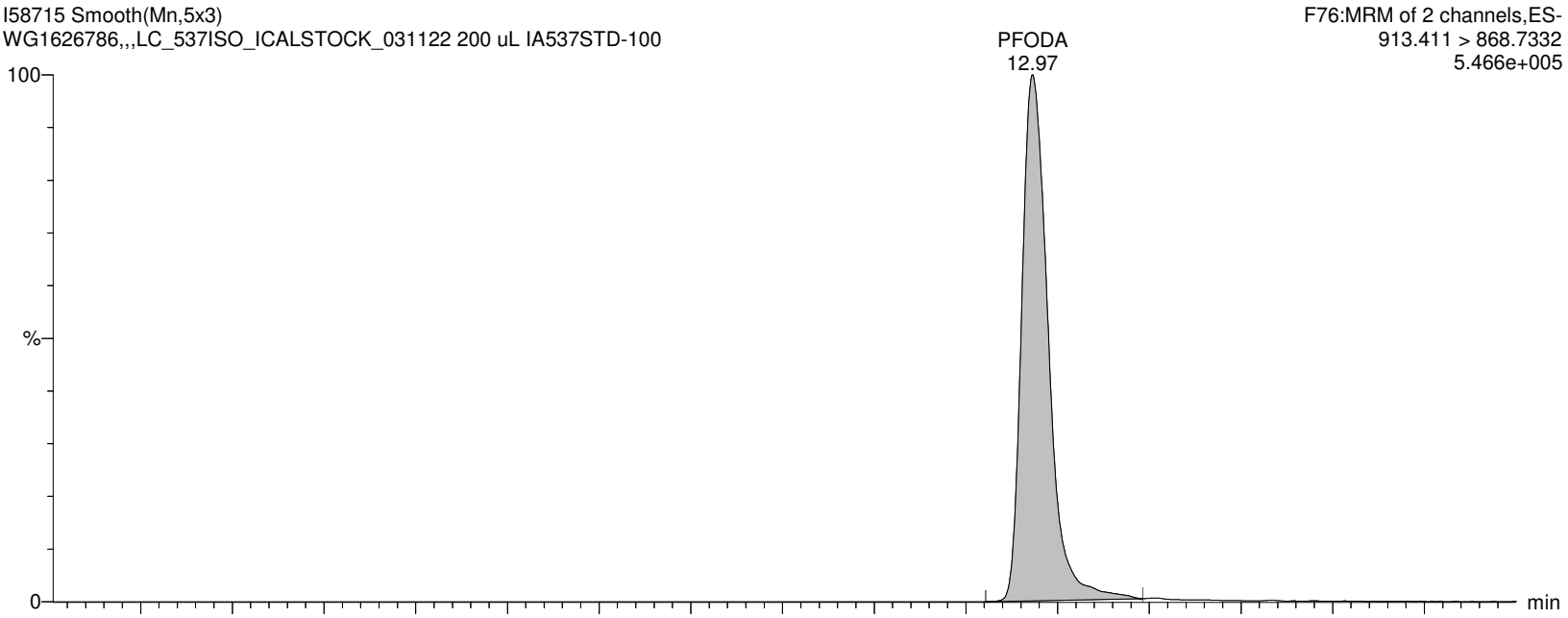


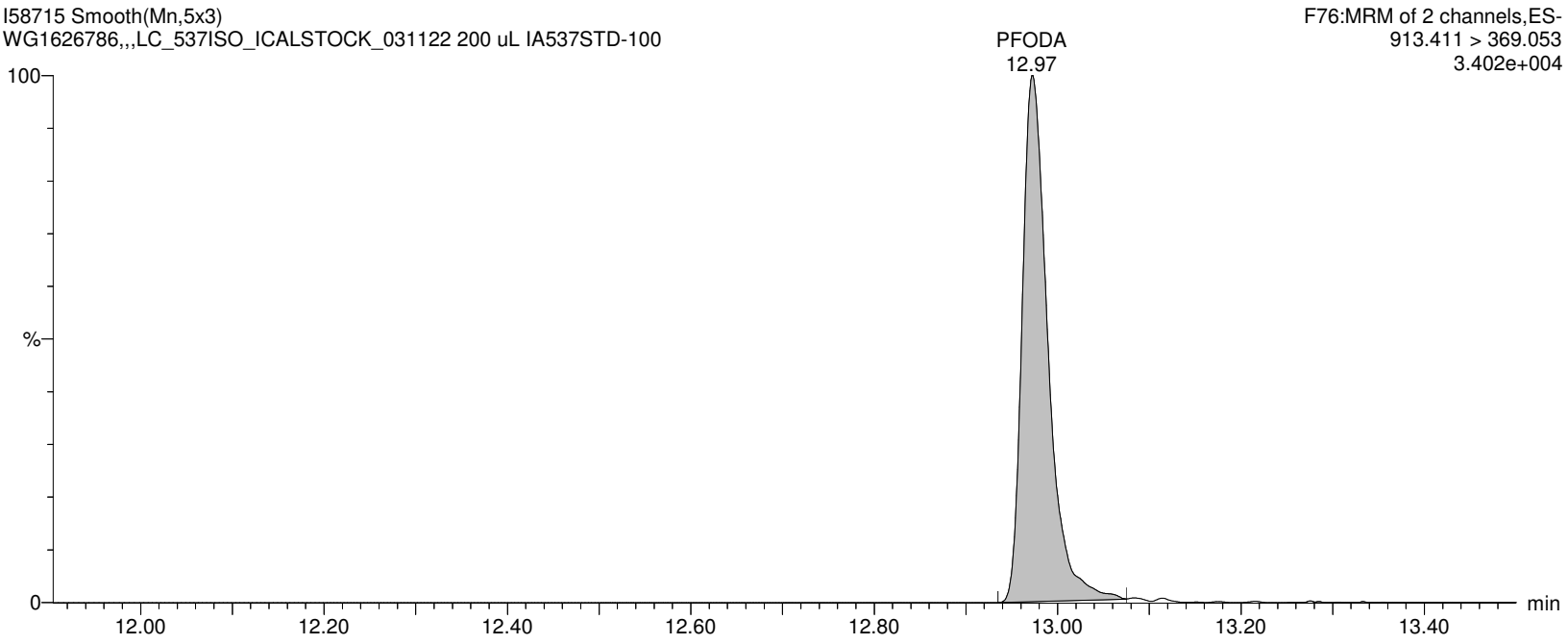
all concentration units in (ng/mL)

Alpha Analytical Inc.
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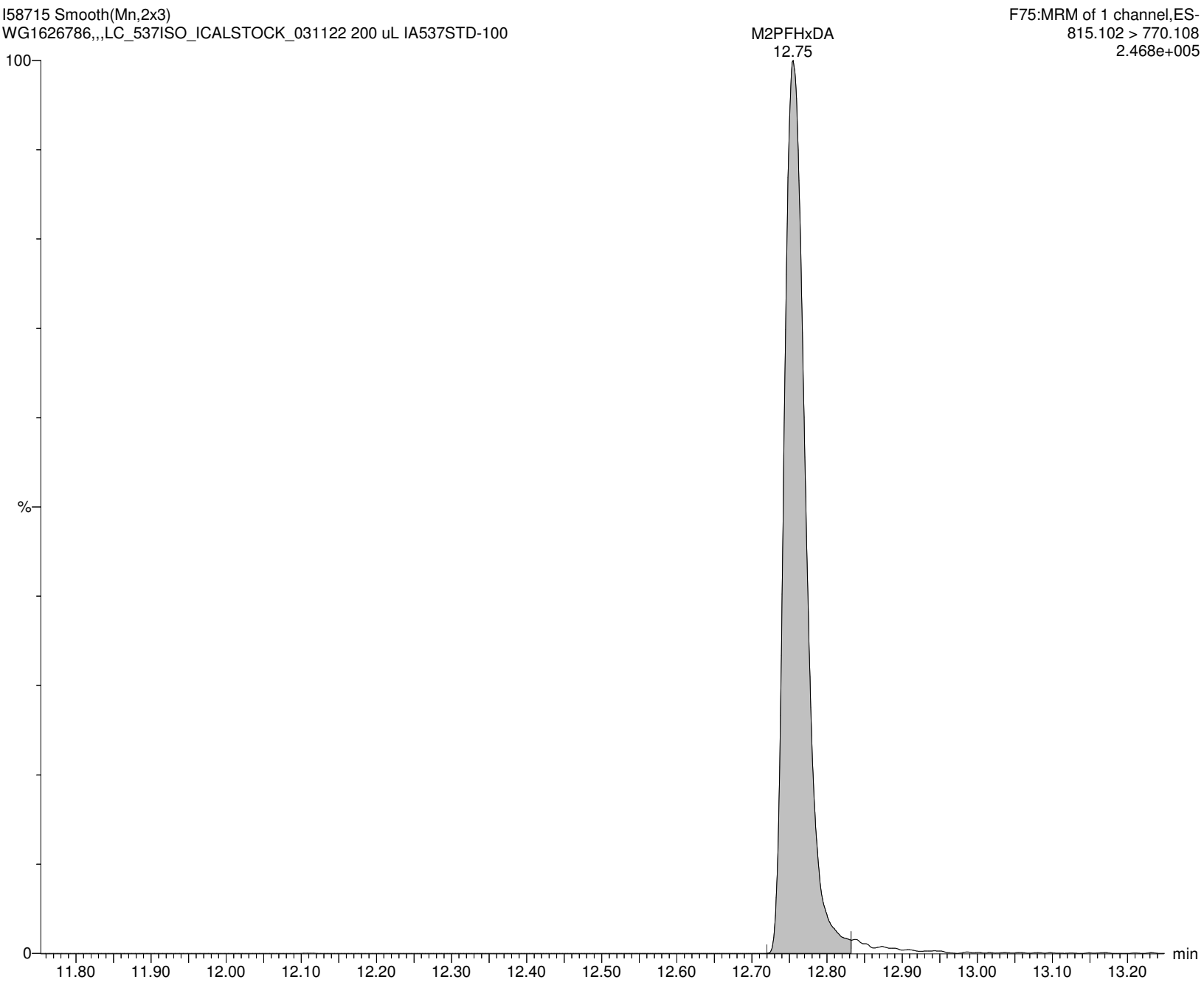


all concentration units in (ng/mL)

Alpha Analytical Inc.
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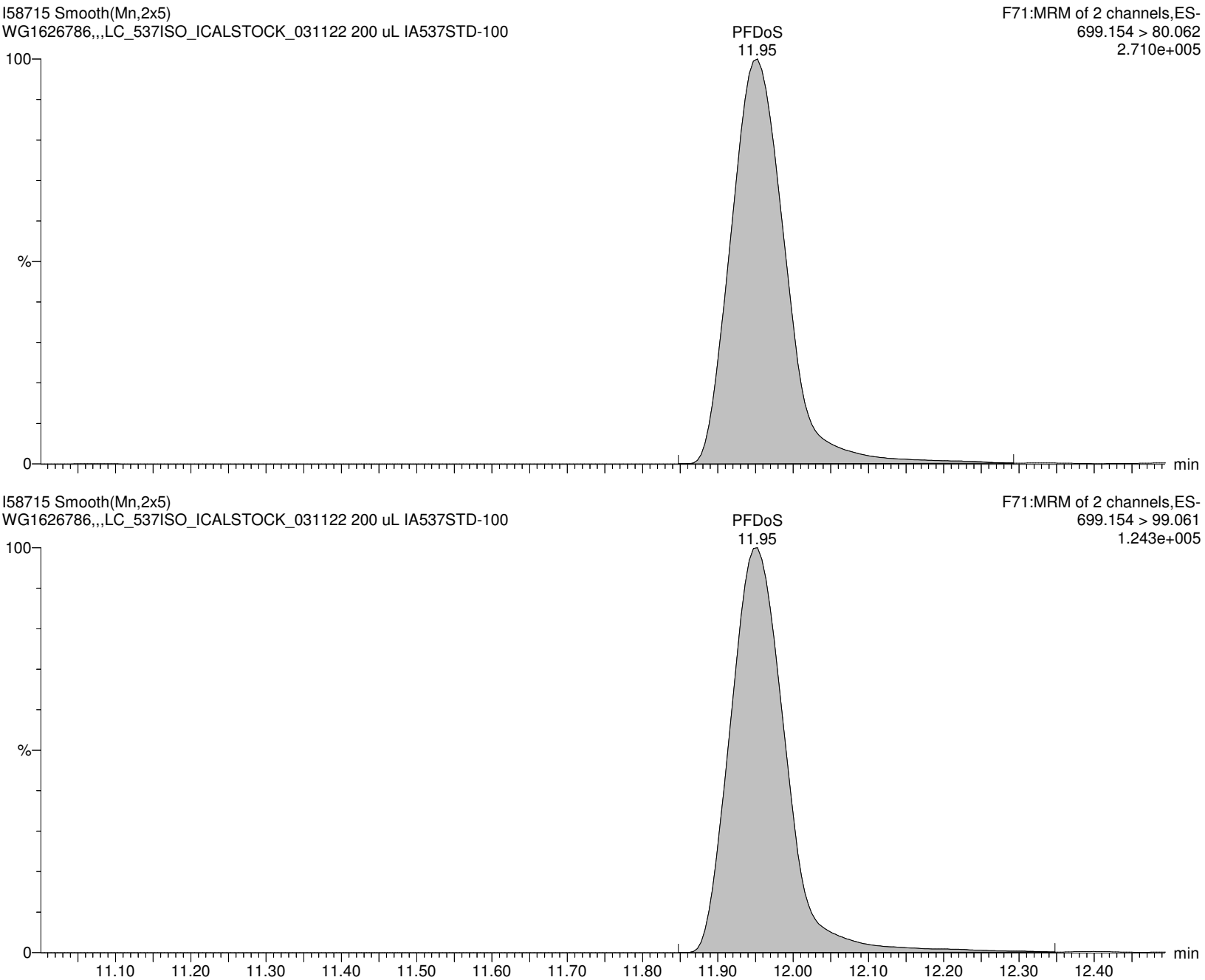


all concentration units in (ng/mL)

Alpha Analytical Inc.
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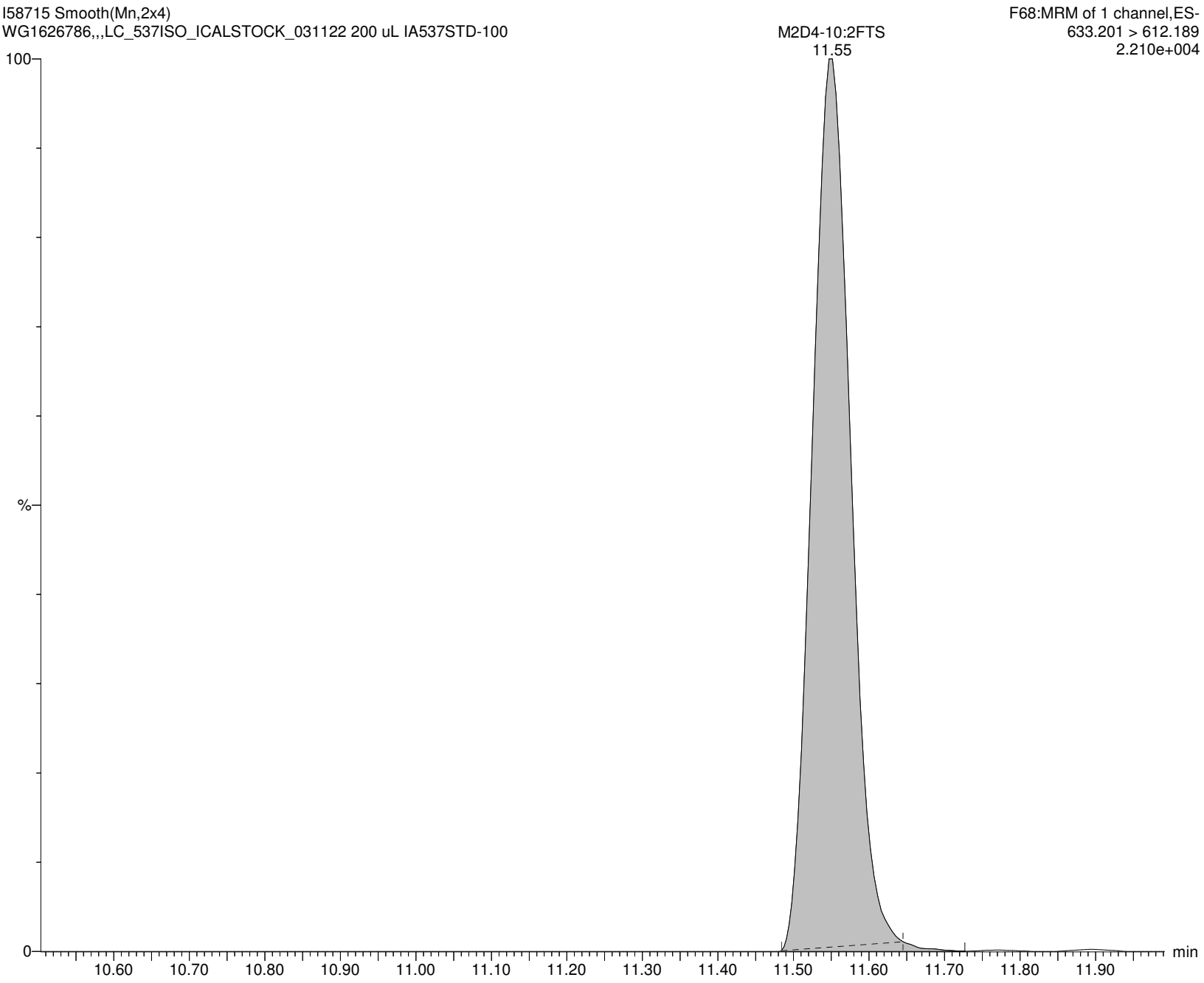


all concentration units in (ng/mL)

Alpha Analytical Inc.
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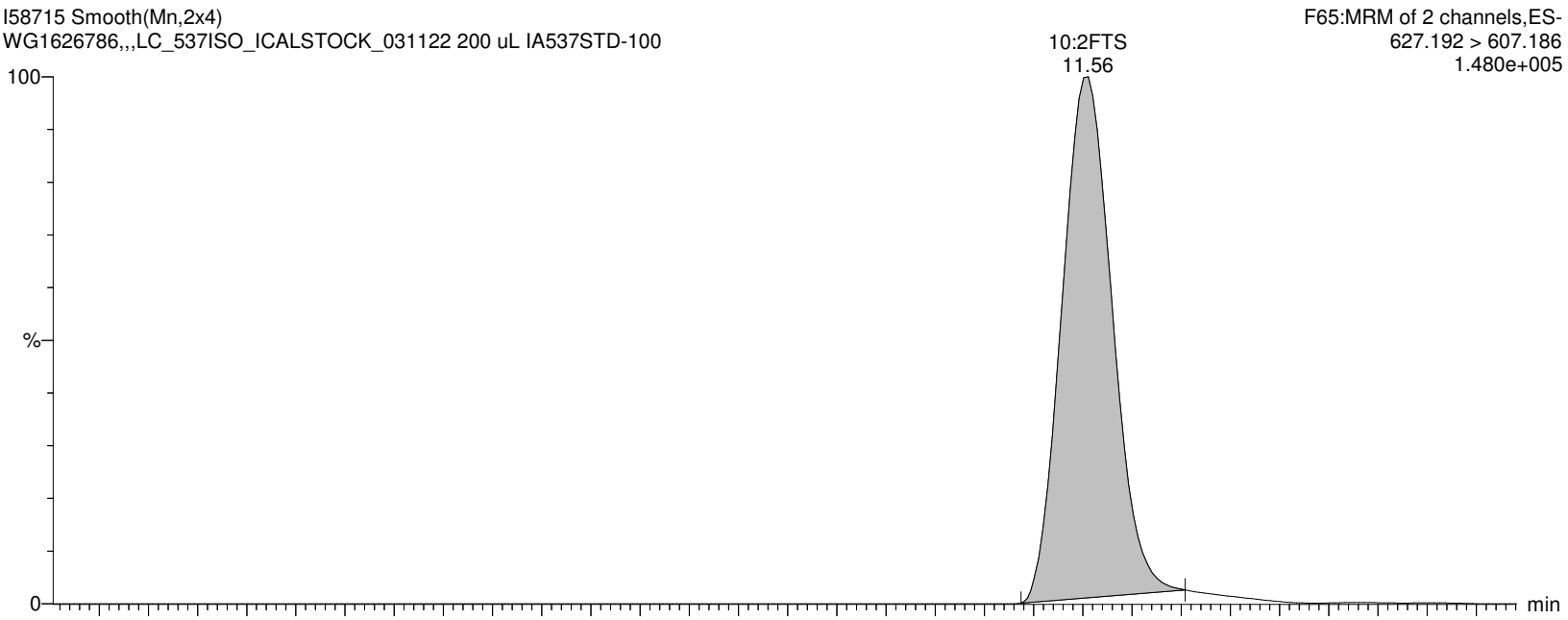


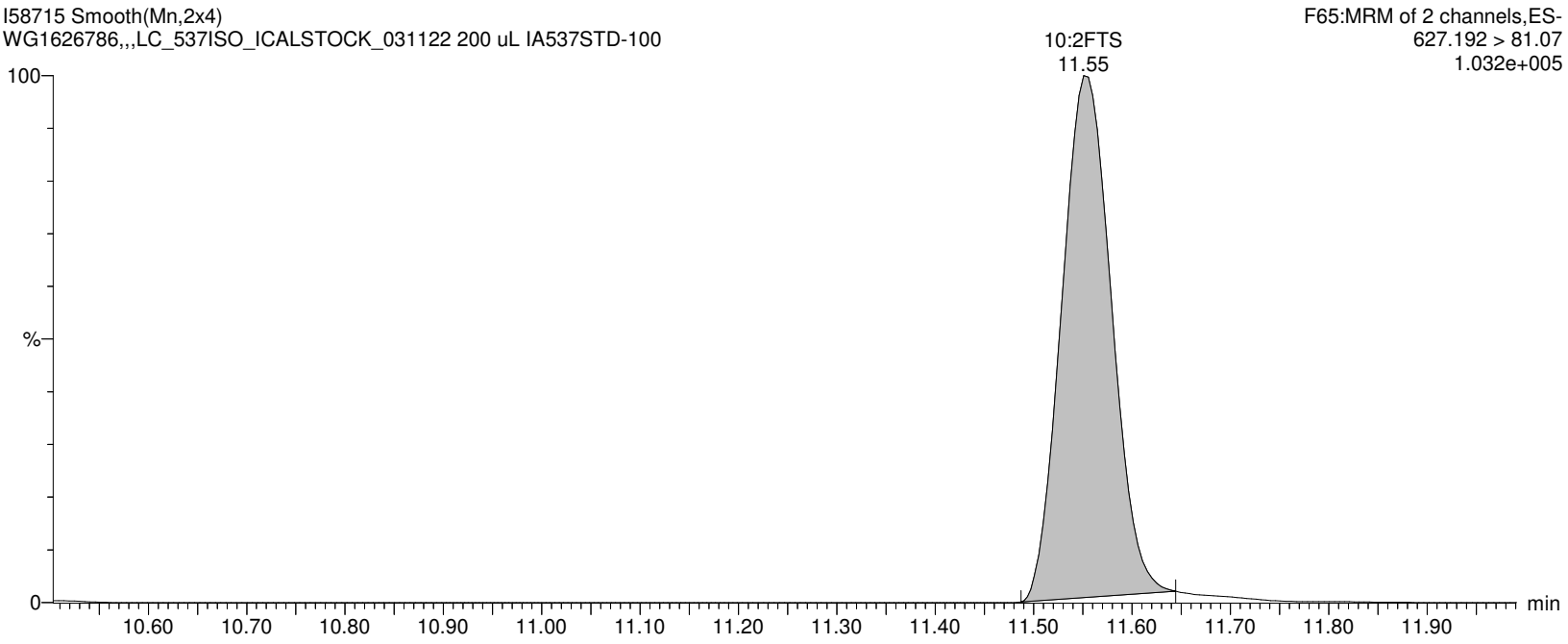
all concentration units in (ng/mL)

Alpha Analytical Inc.
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10:2FTS



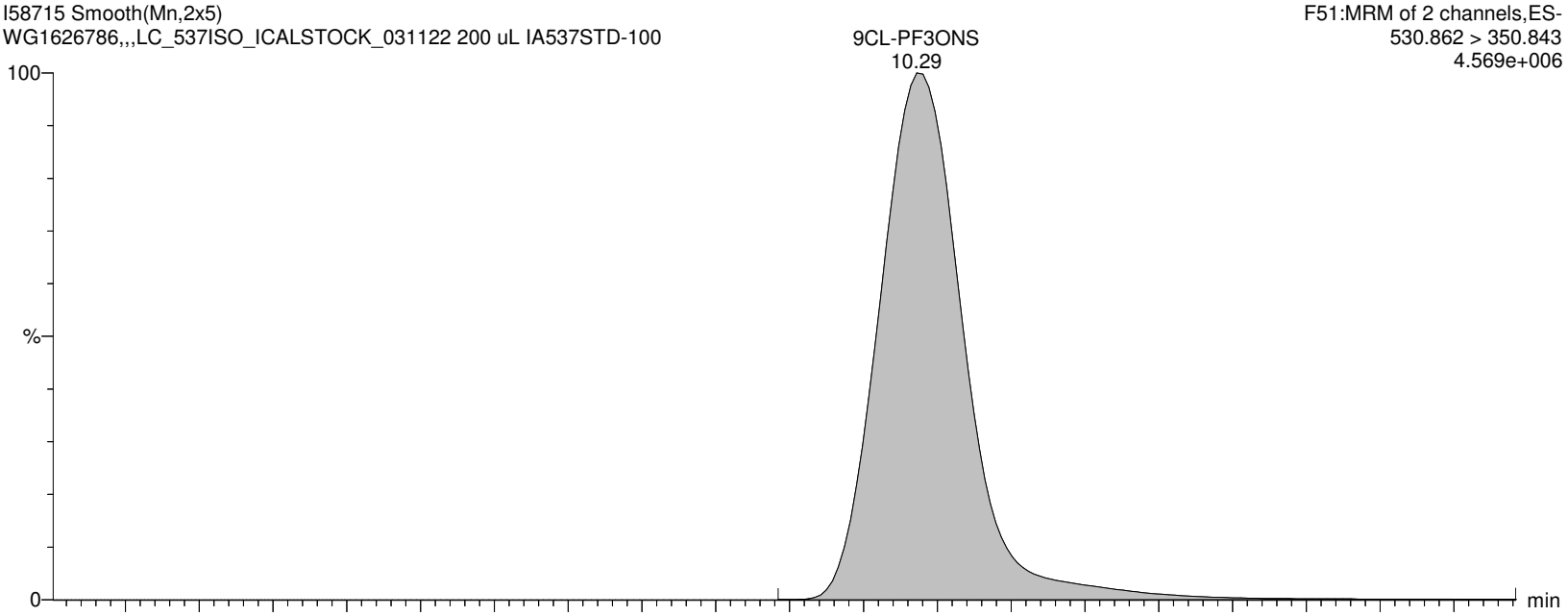


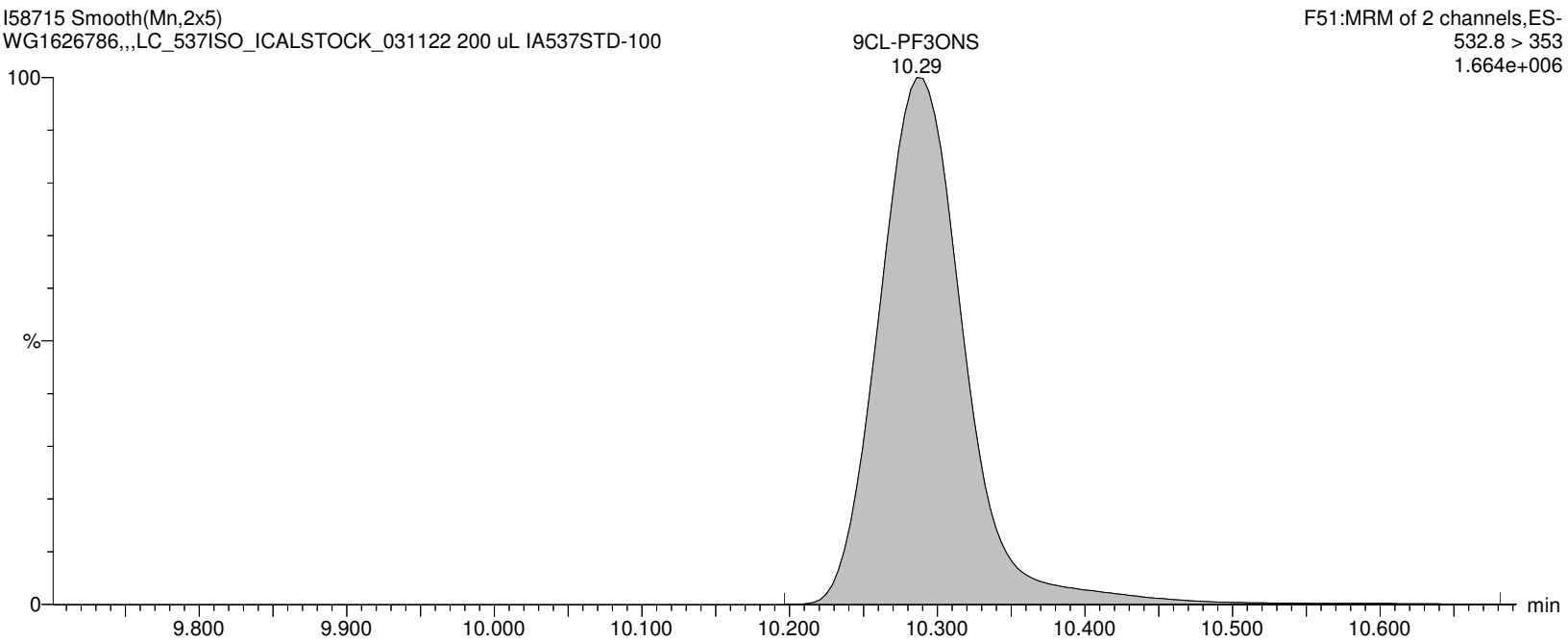
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



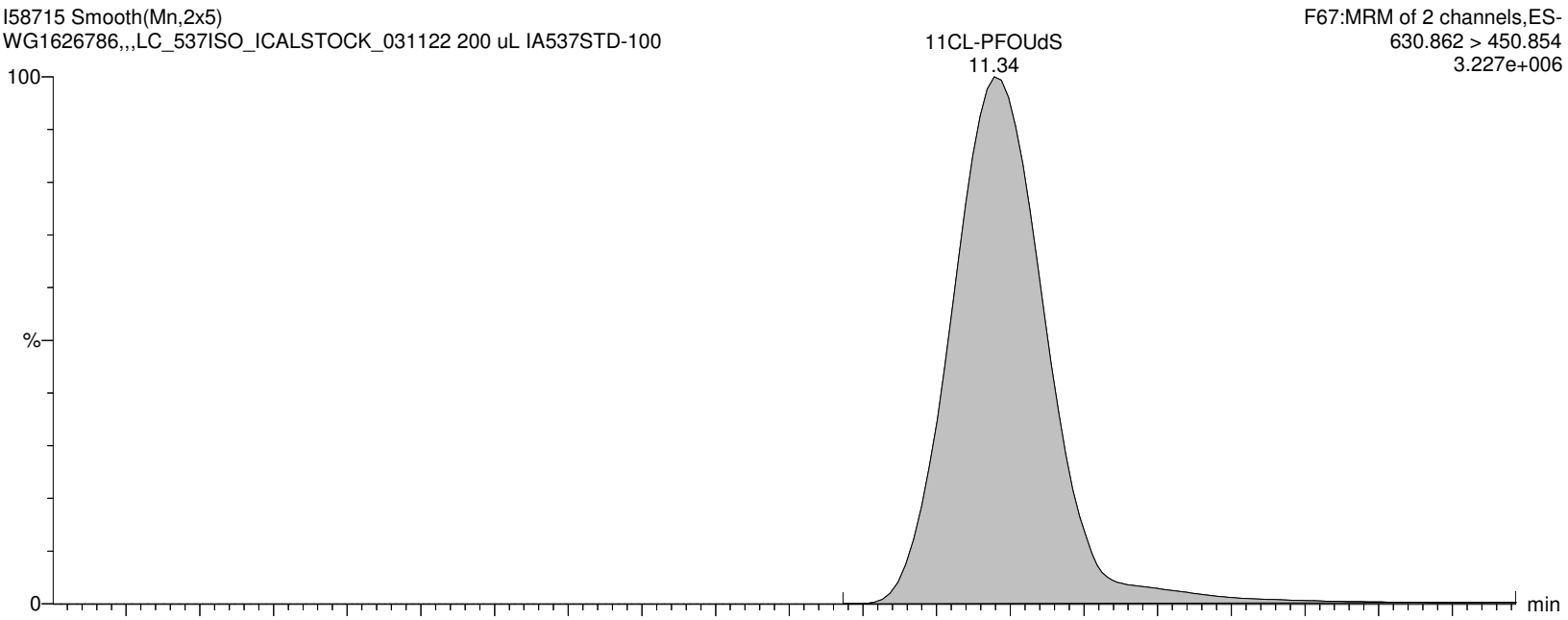


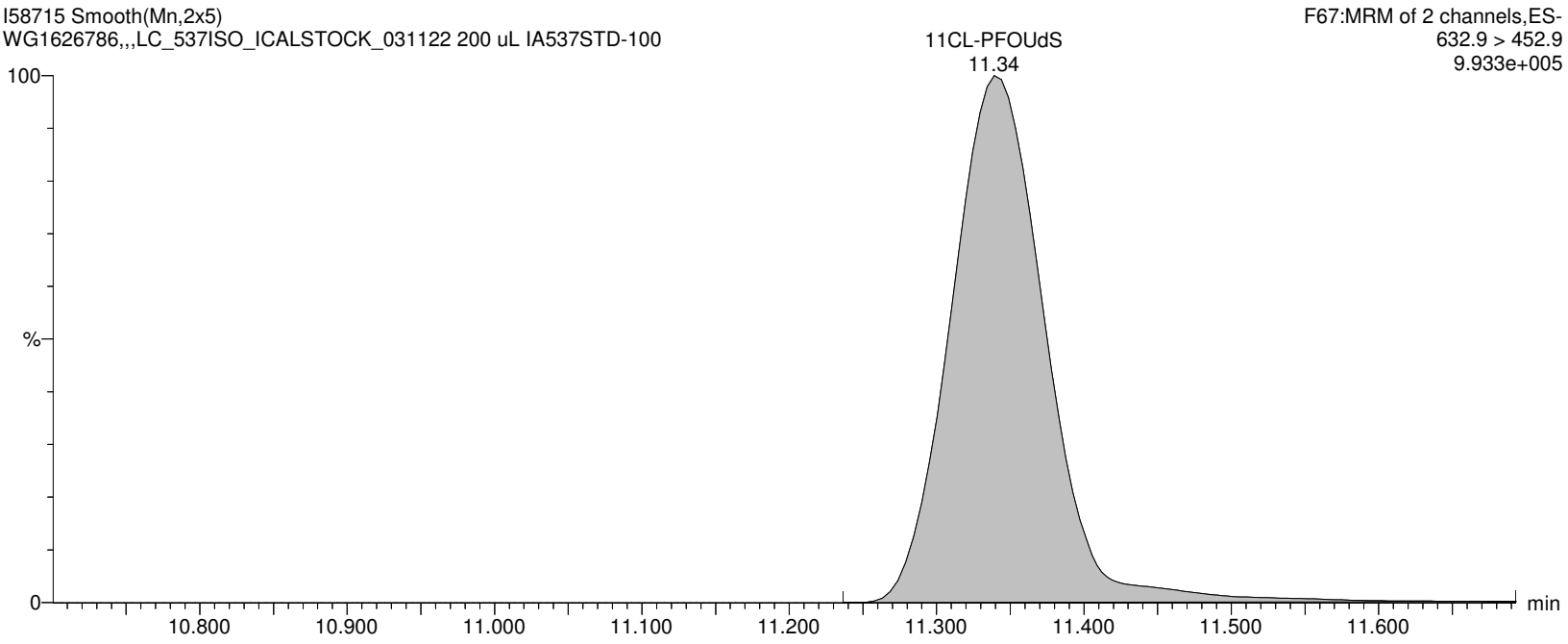
all concentration units in (ng/mL)

Alpha Analytical Inc.
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11CL-PFOUdS



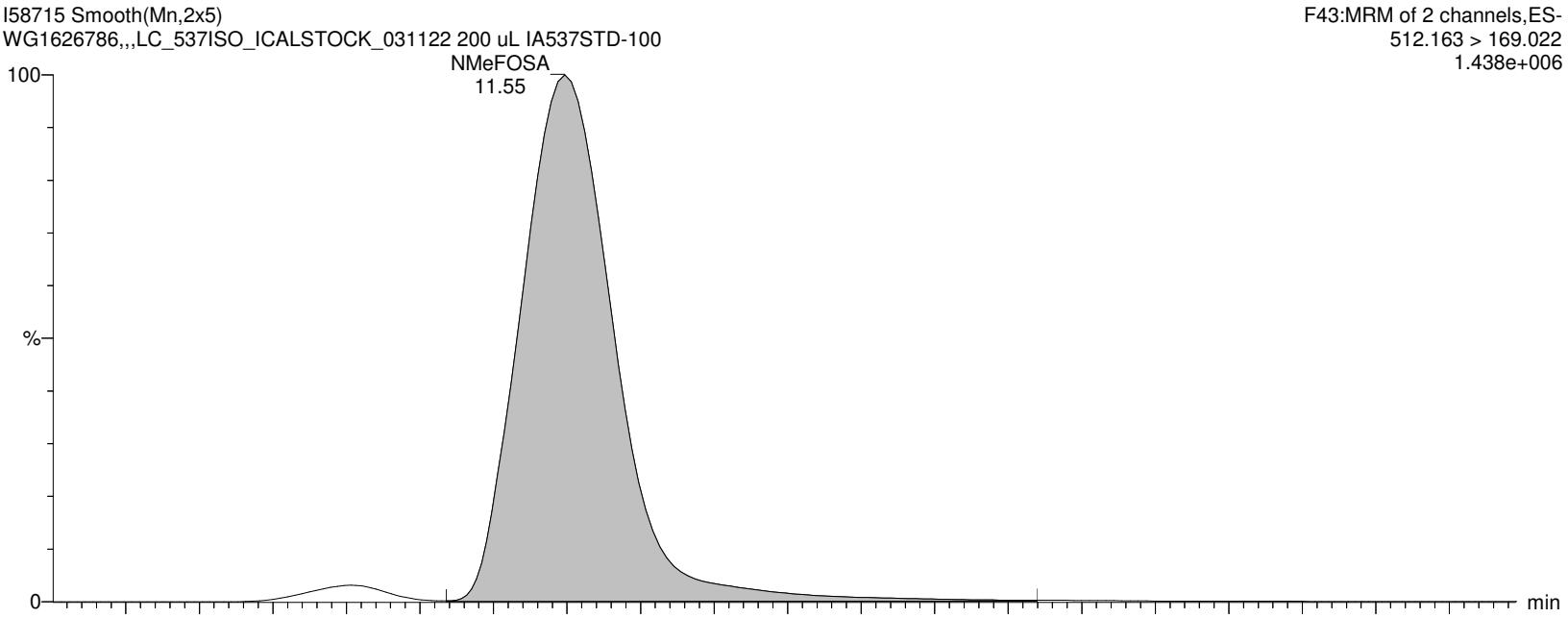


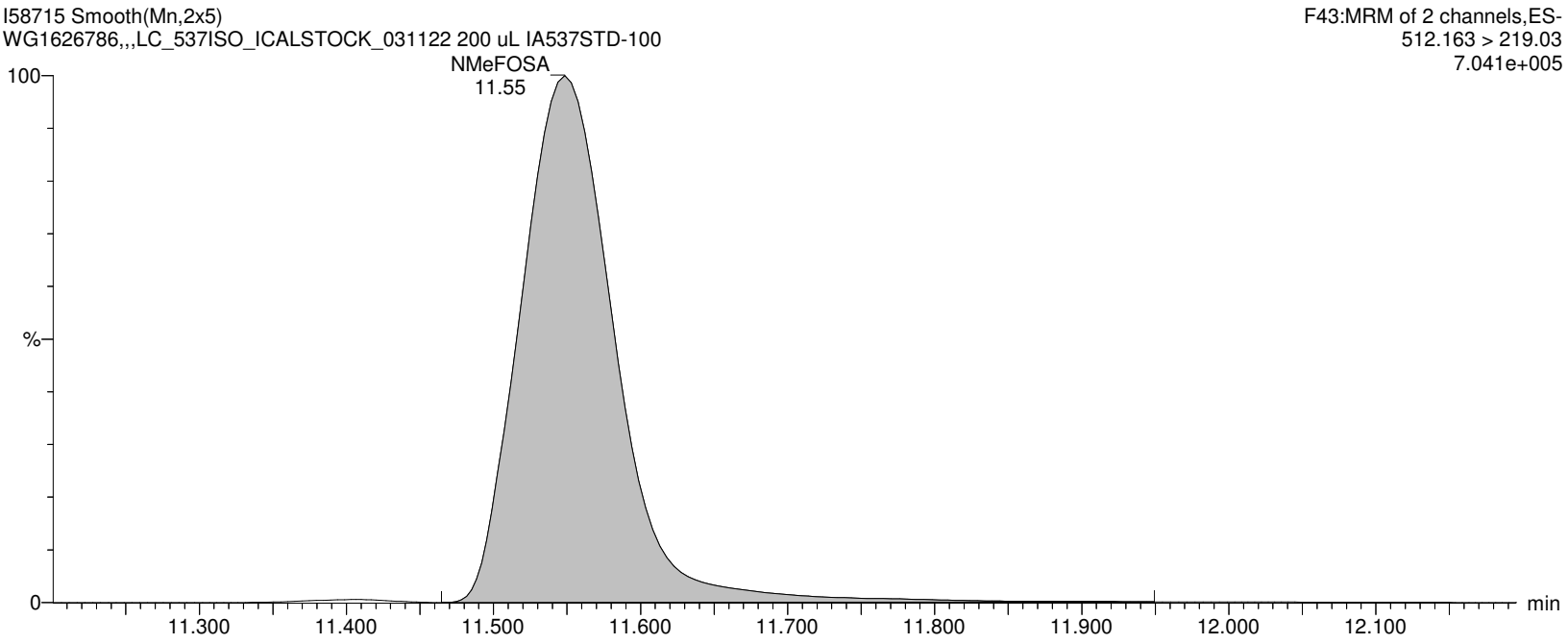
all concentration units in (ng/mL)

Alpha Analytical Inc.
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NMeFOSA



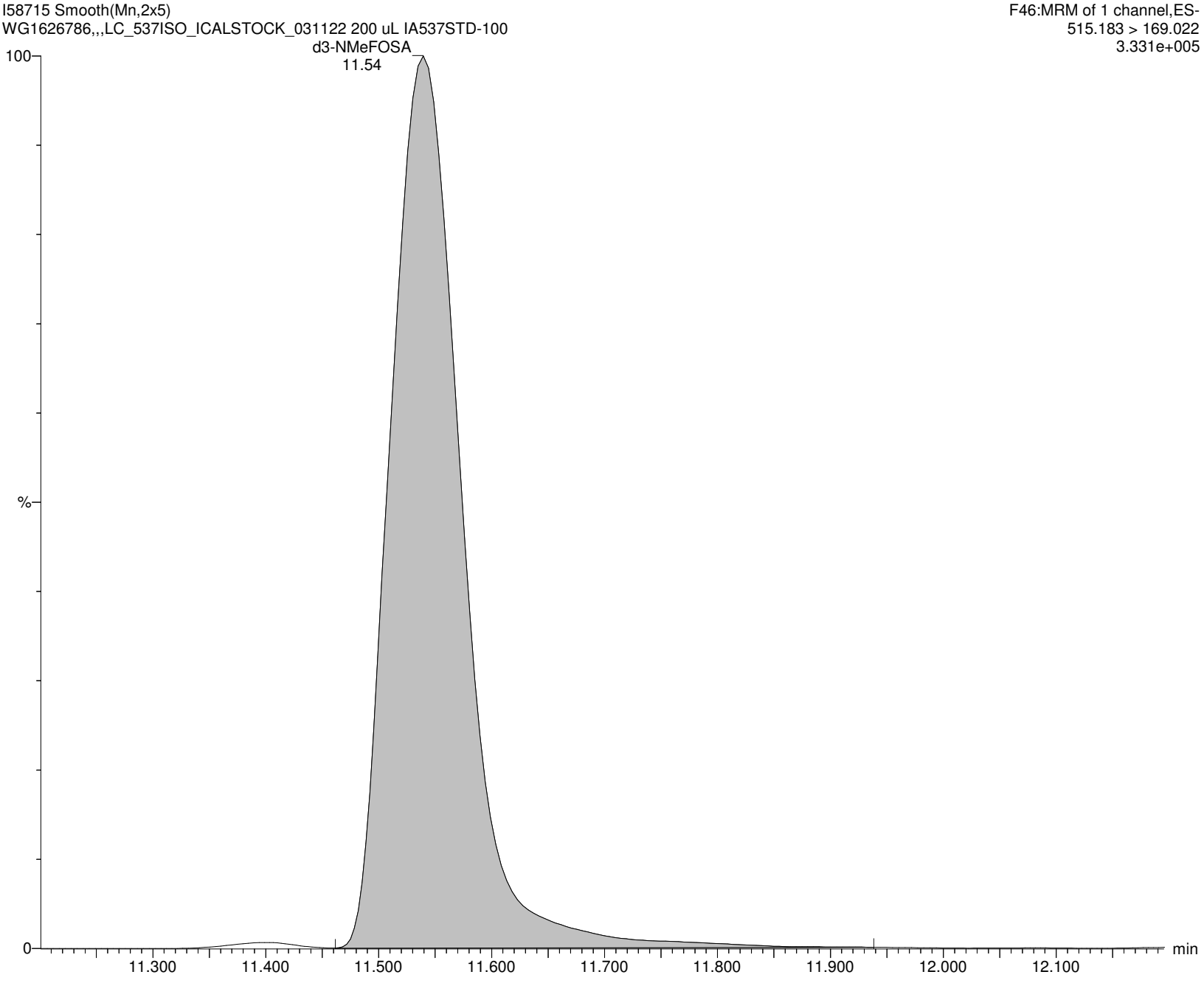


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d3-NMeFOSA

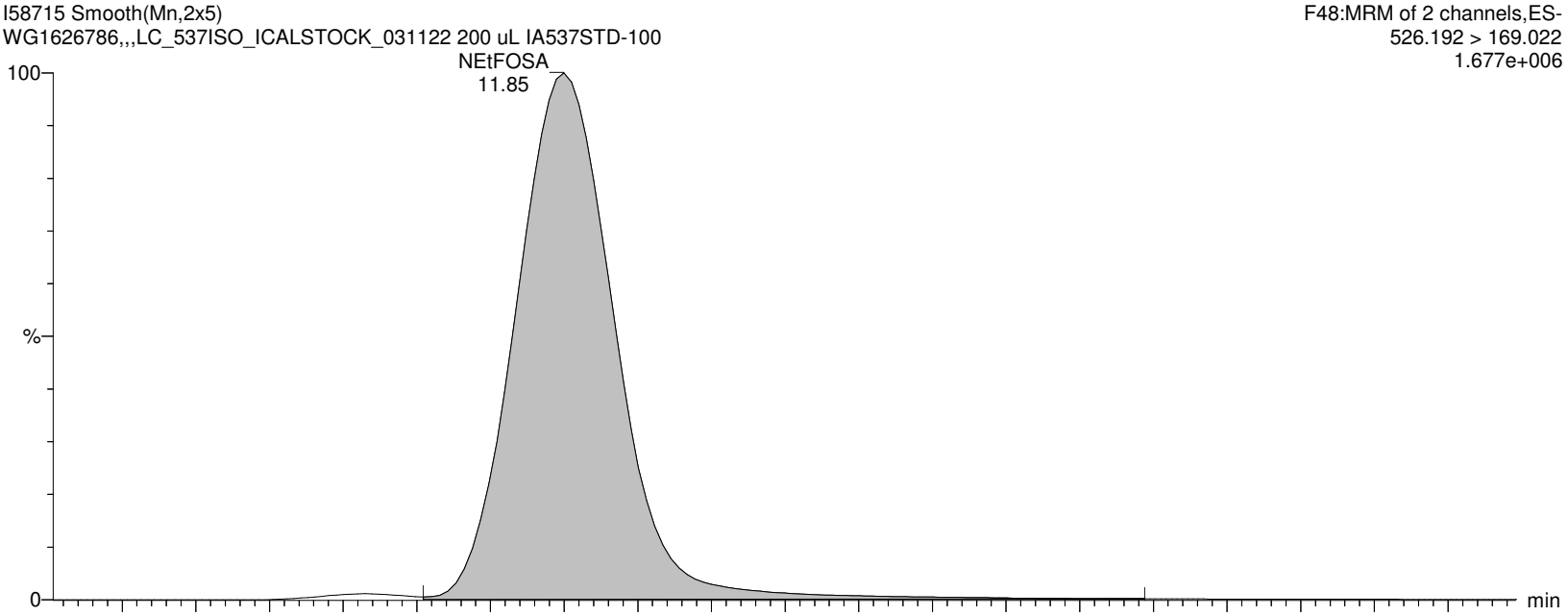


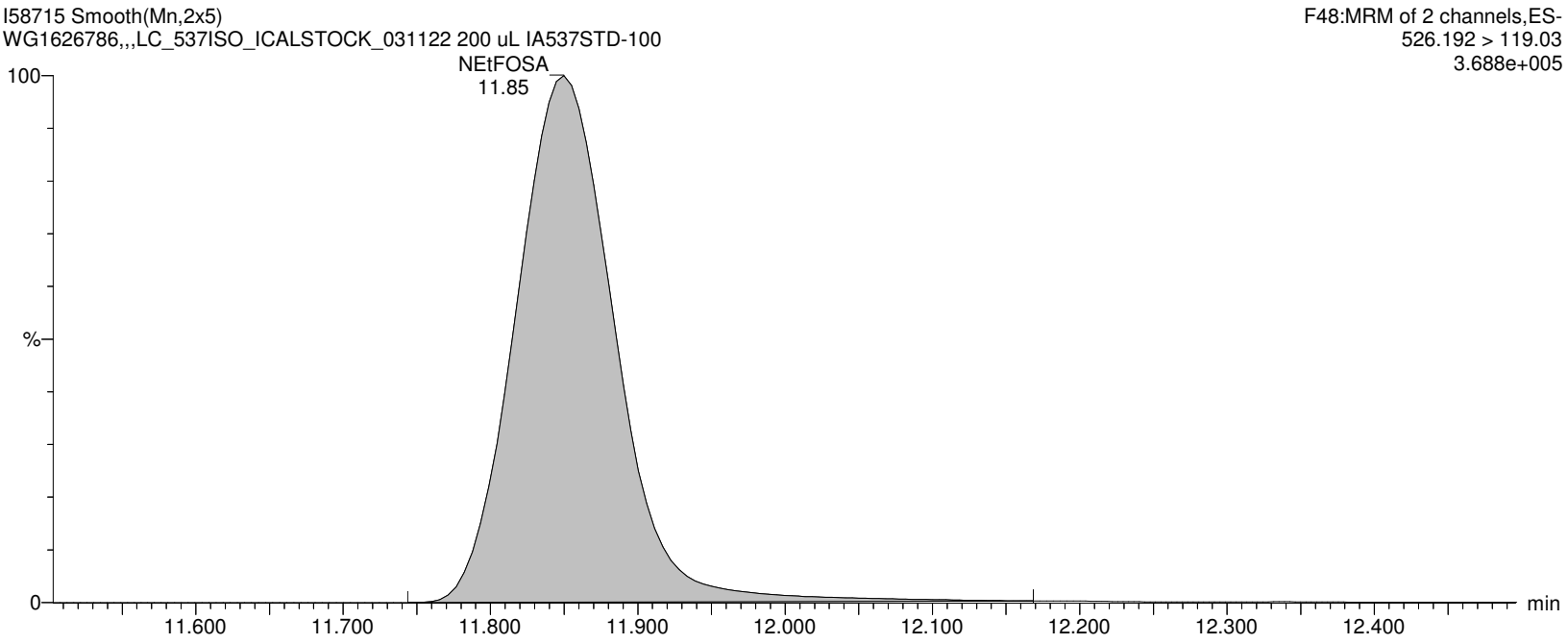
all concentration units in (ng/mL)

Alpha Analytical Inc.
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NEtFOSA



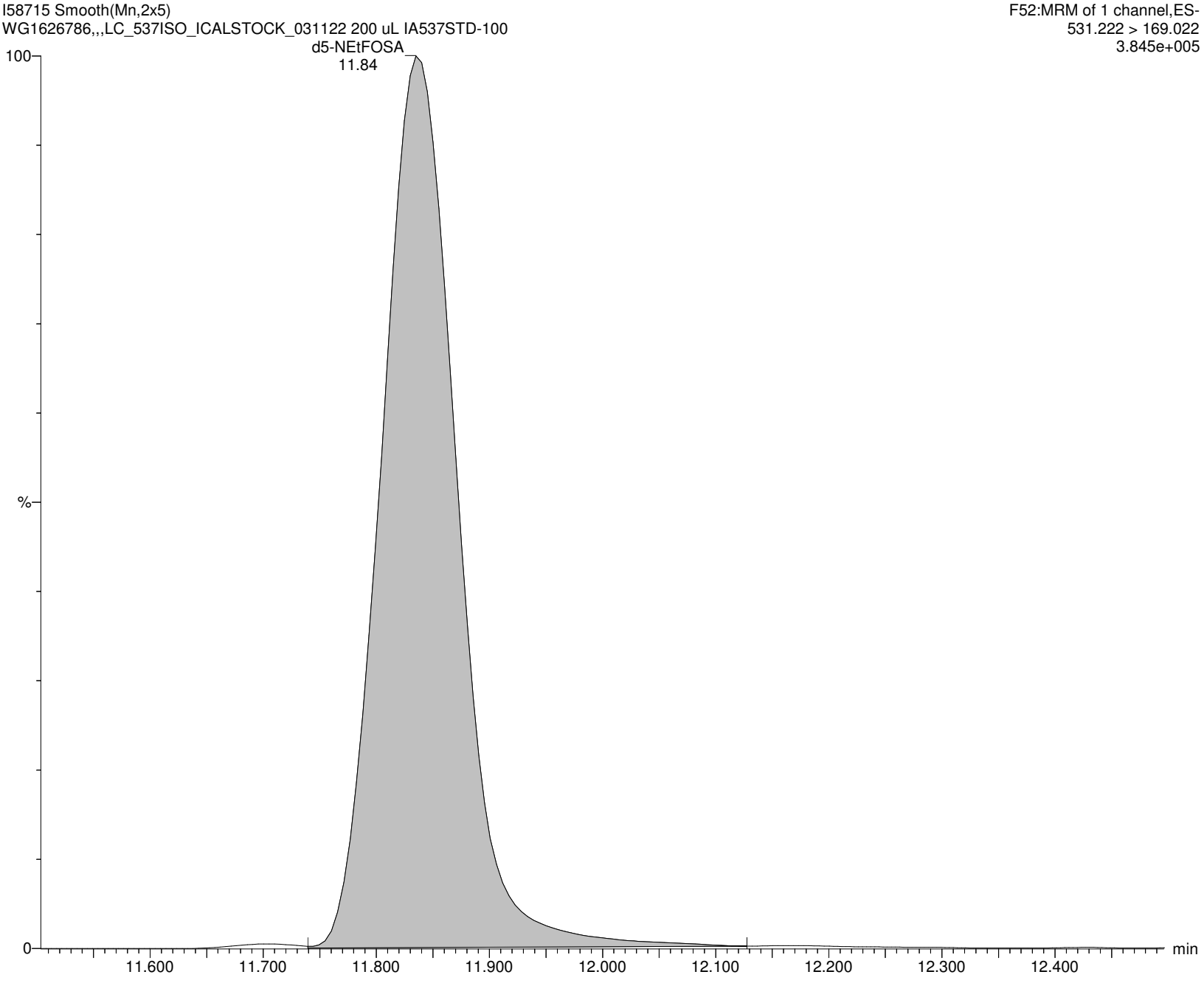


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:28 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:12:37
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User: LCMS02:MP
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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d5-NEtFOSA

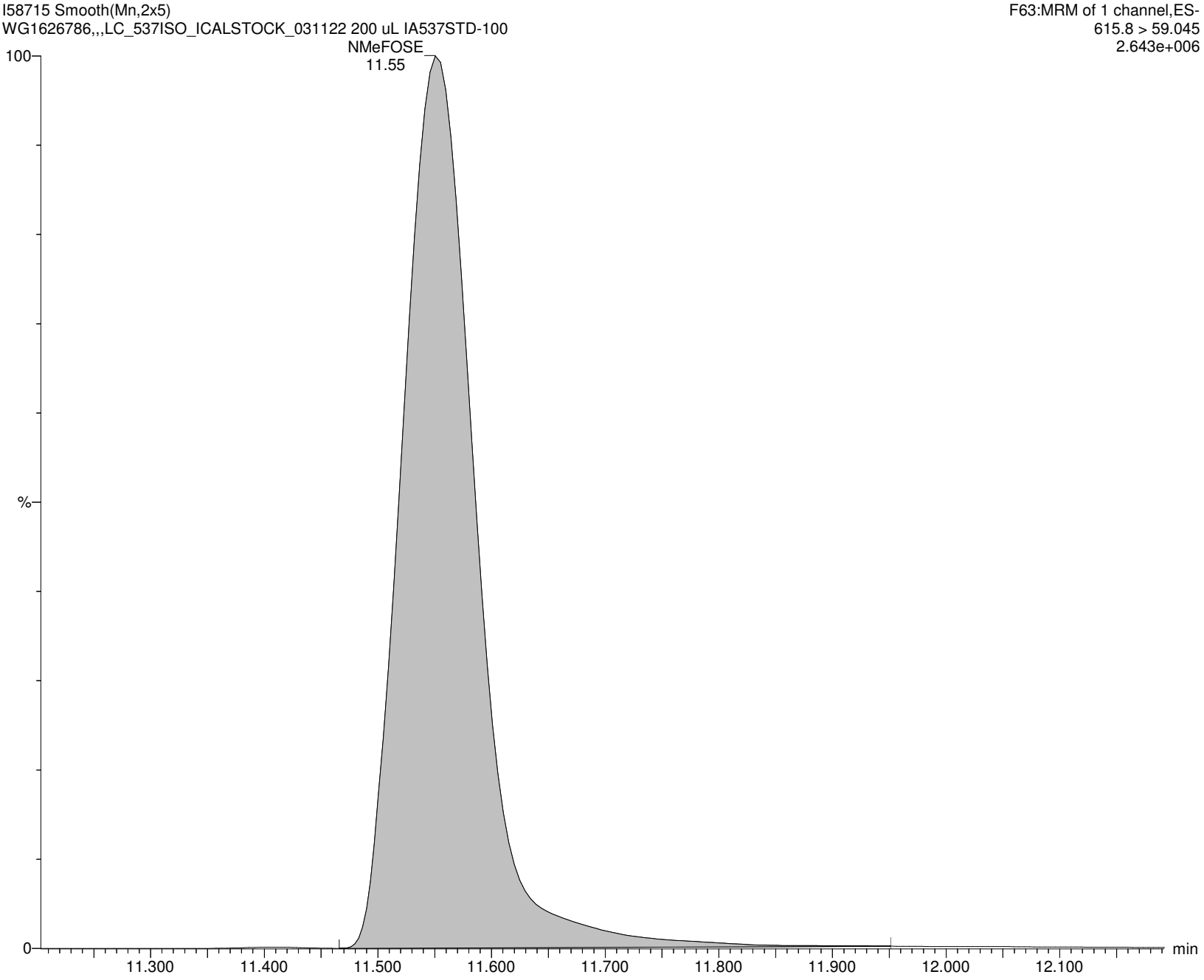


all concentration units in (ng/mL)

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NMeFOSE

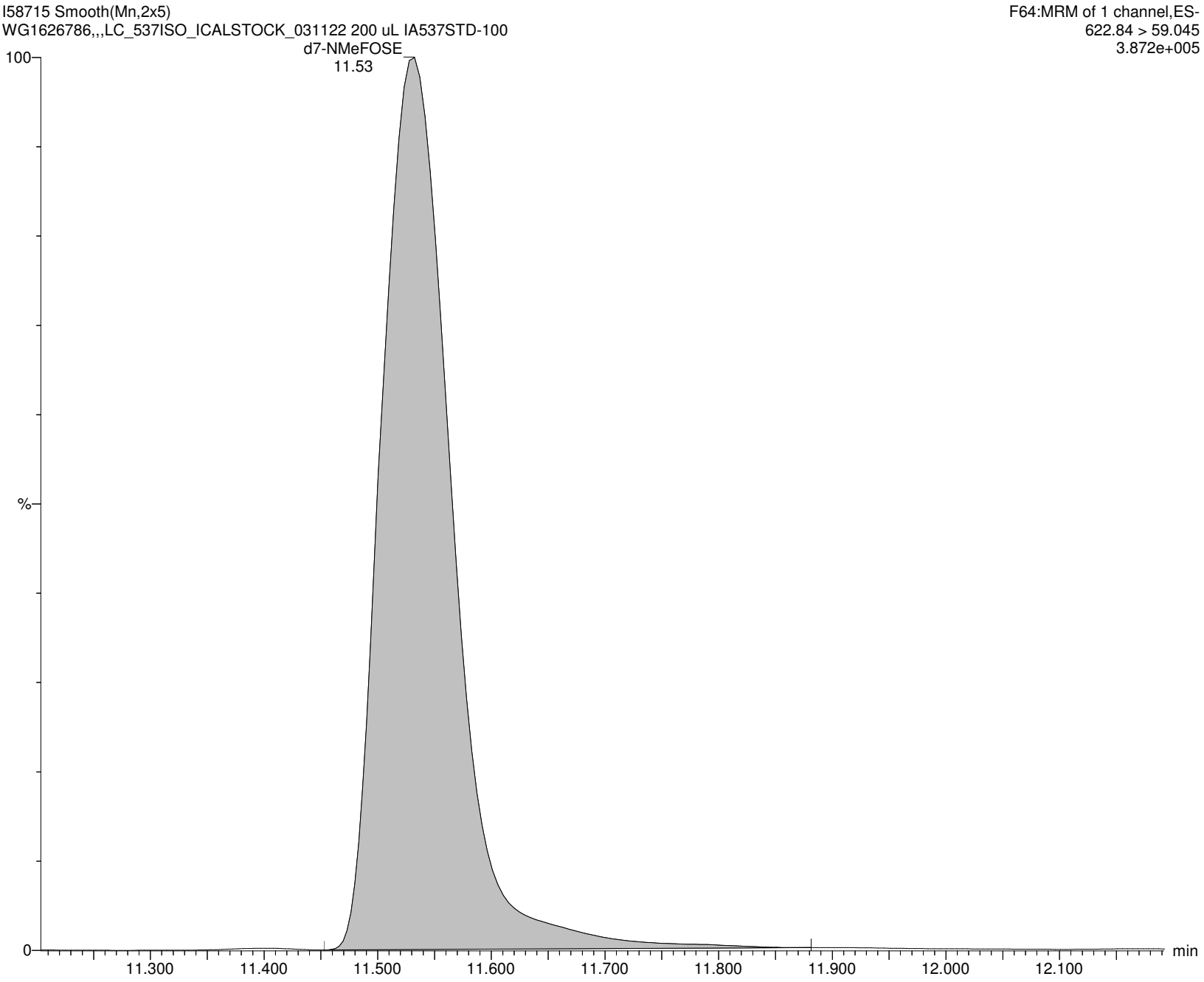


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d7-NMeFOSE

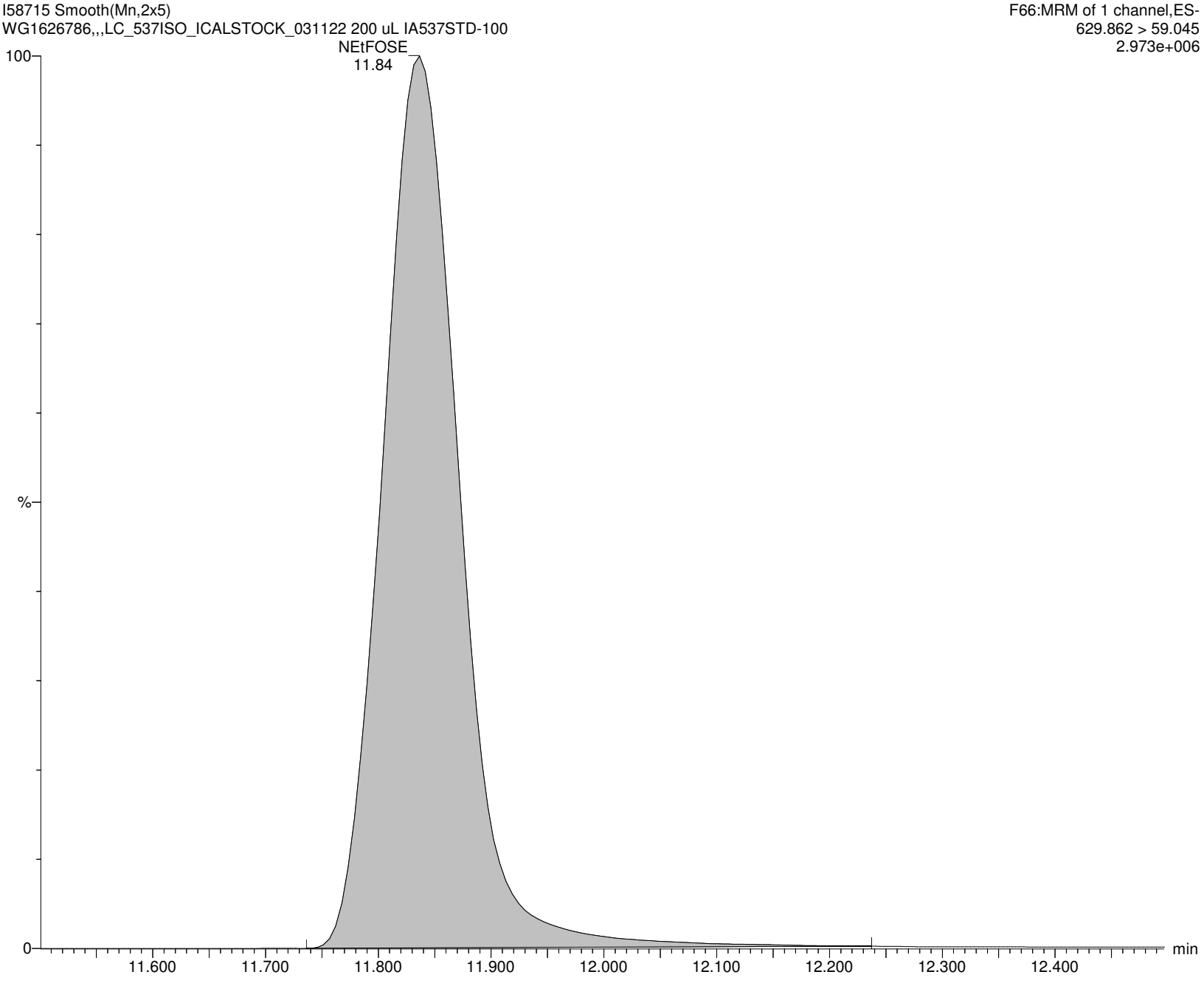


all concentration units in (ng/mL)

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Vial: 1:B,1
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NEtFOSE

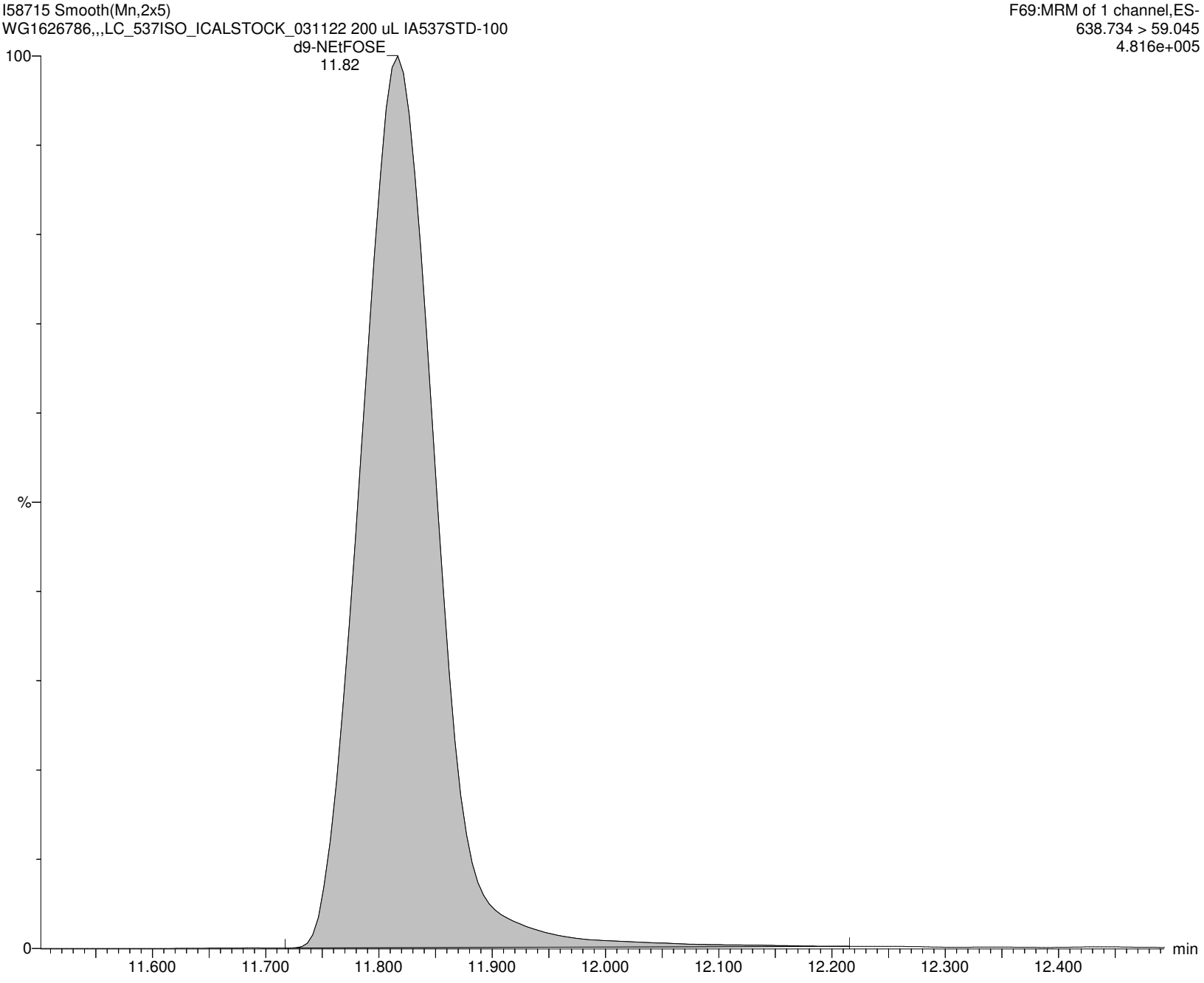


all concentration units in (ng/mL)

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d9-NEtFOSE

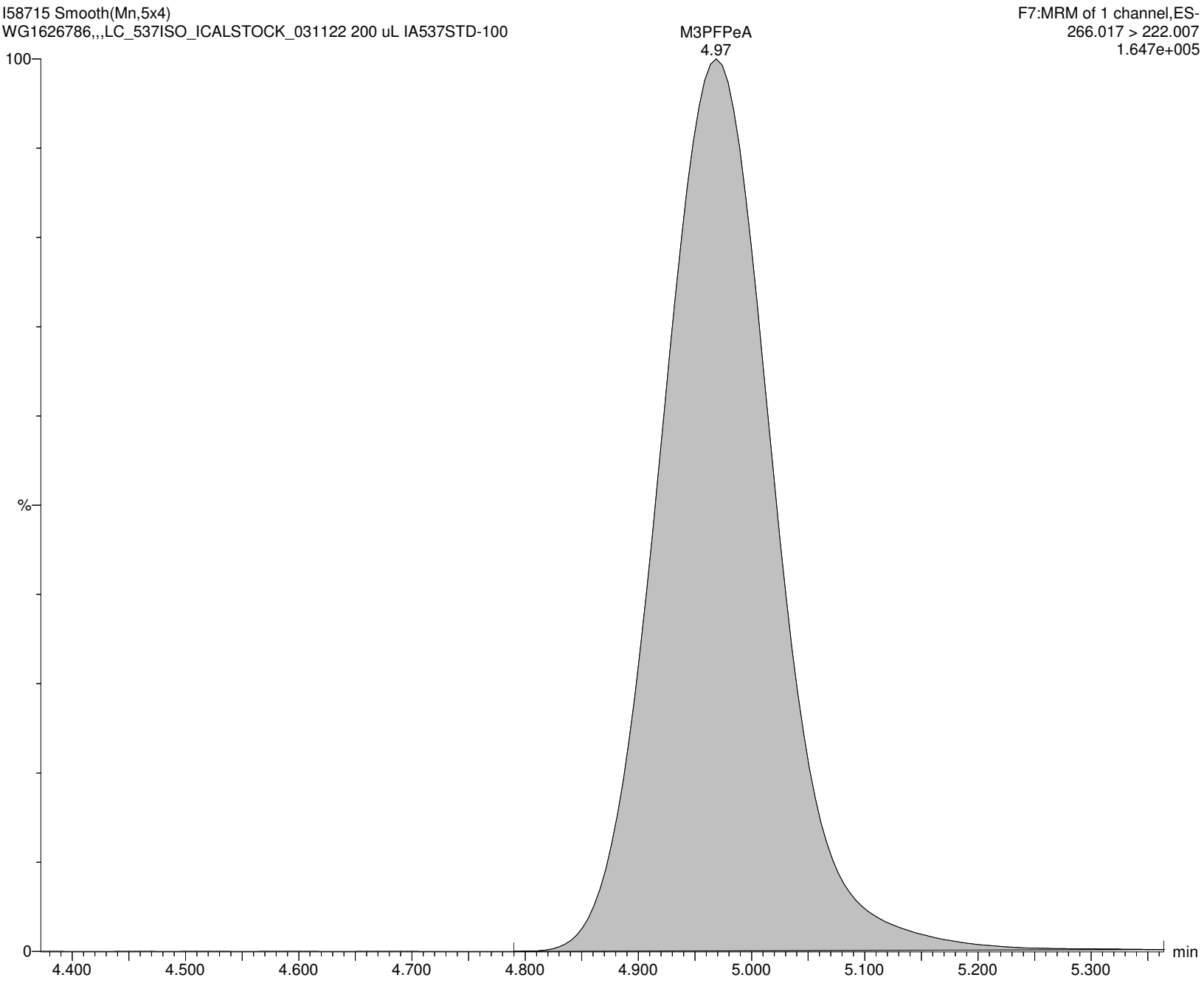


all concentration units in (ng/mL)

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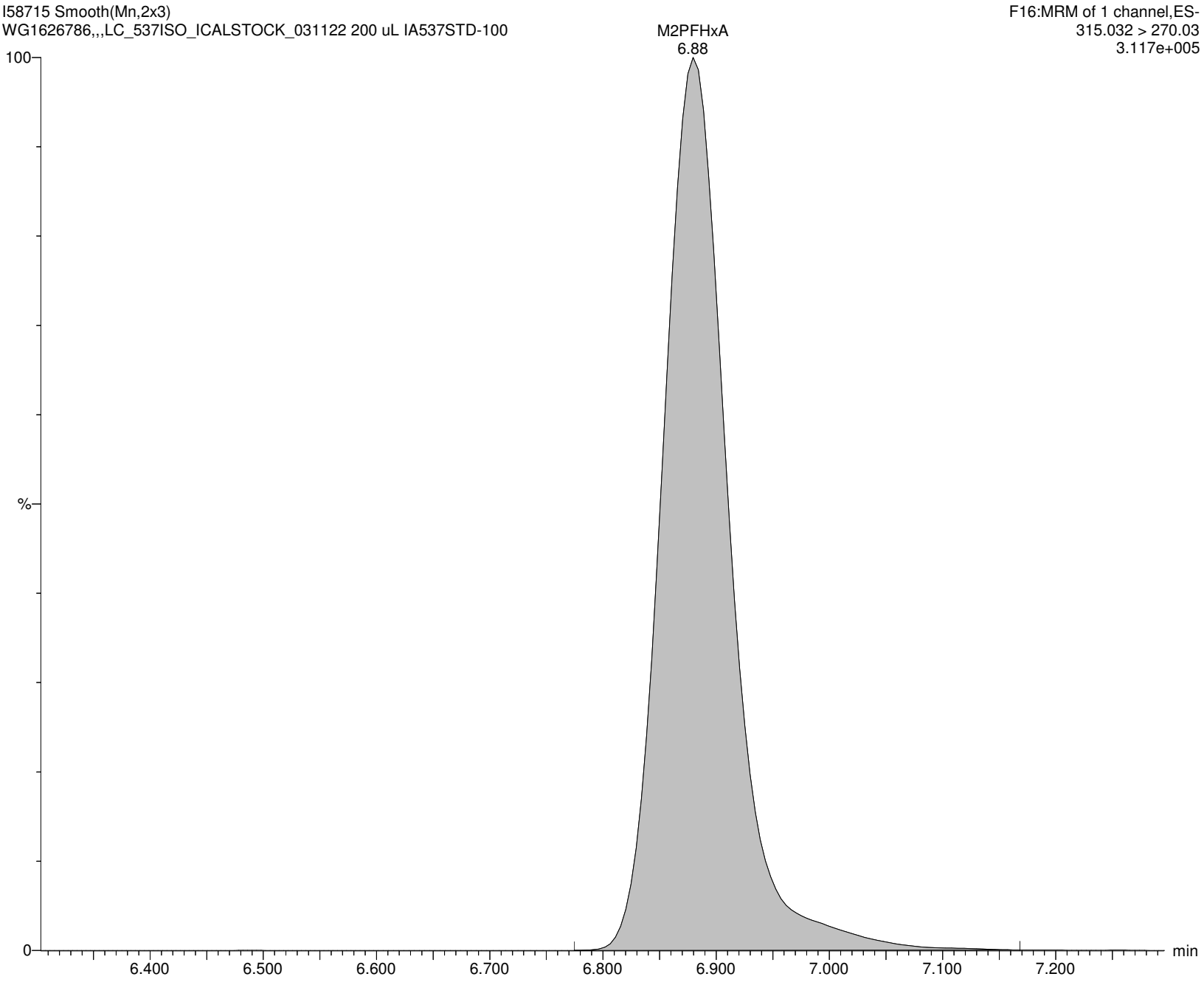


all concentration units in (ng/mL)

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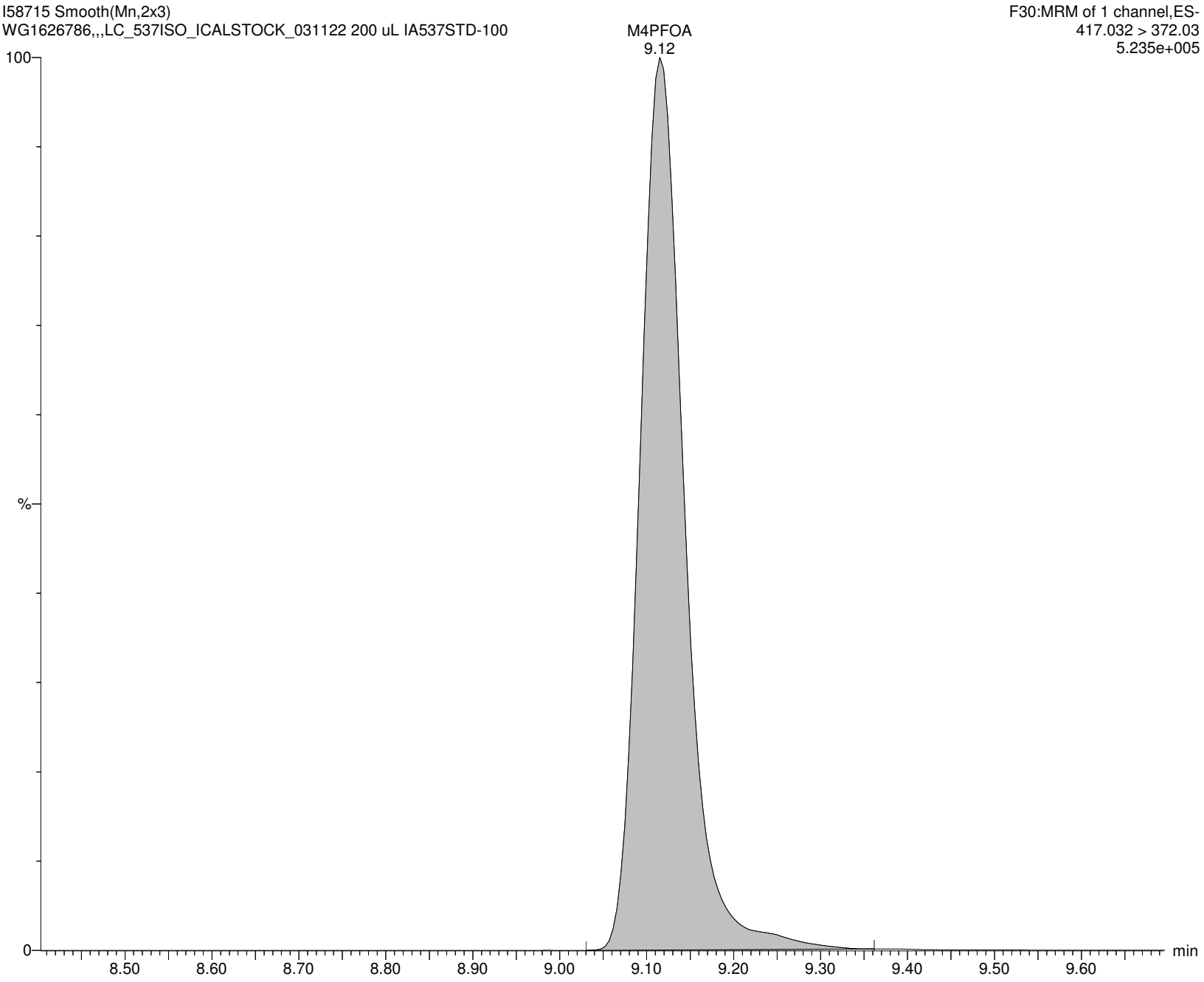


all concentration units in (ng/mL)

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M4PFOA

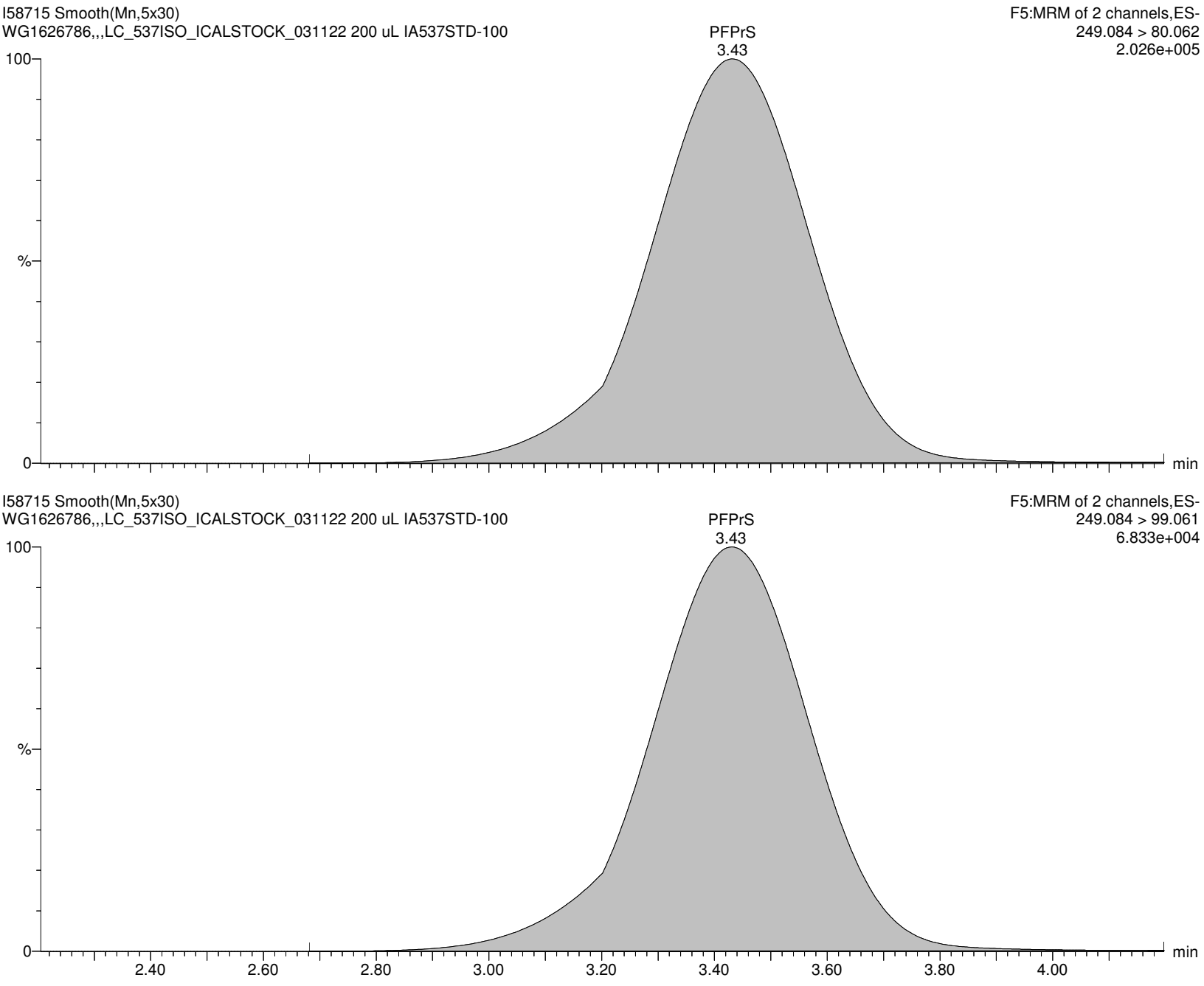


all concentration units in (ng/mL)

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Vial: 1:B,1
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PFPrS

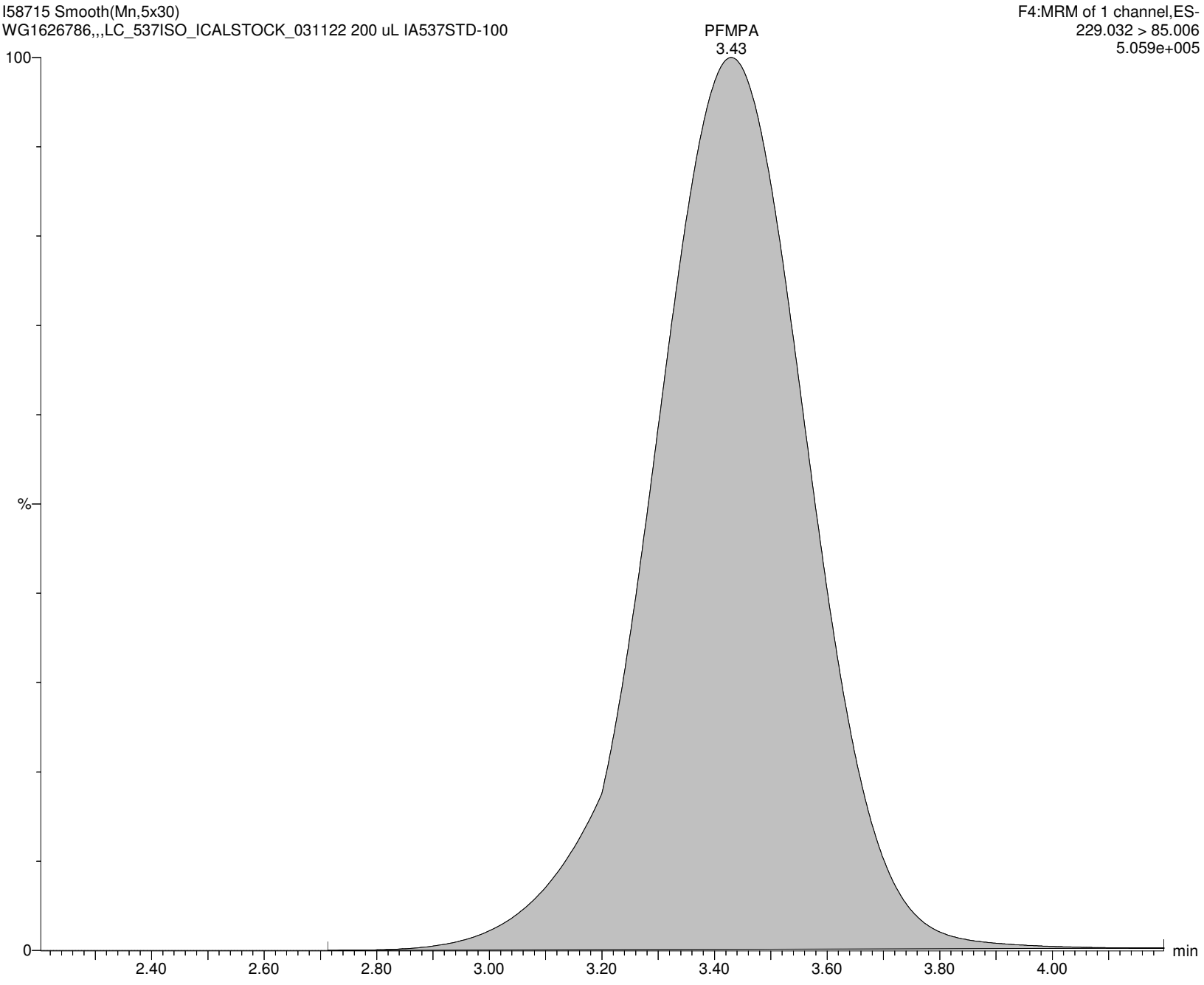


all concentration units in (ng/mL)

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PFMPA

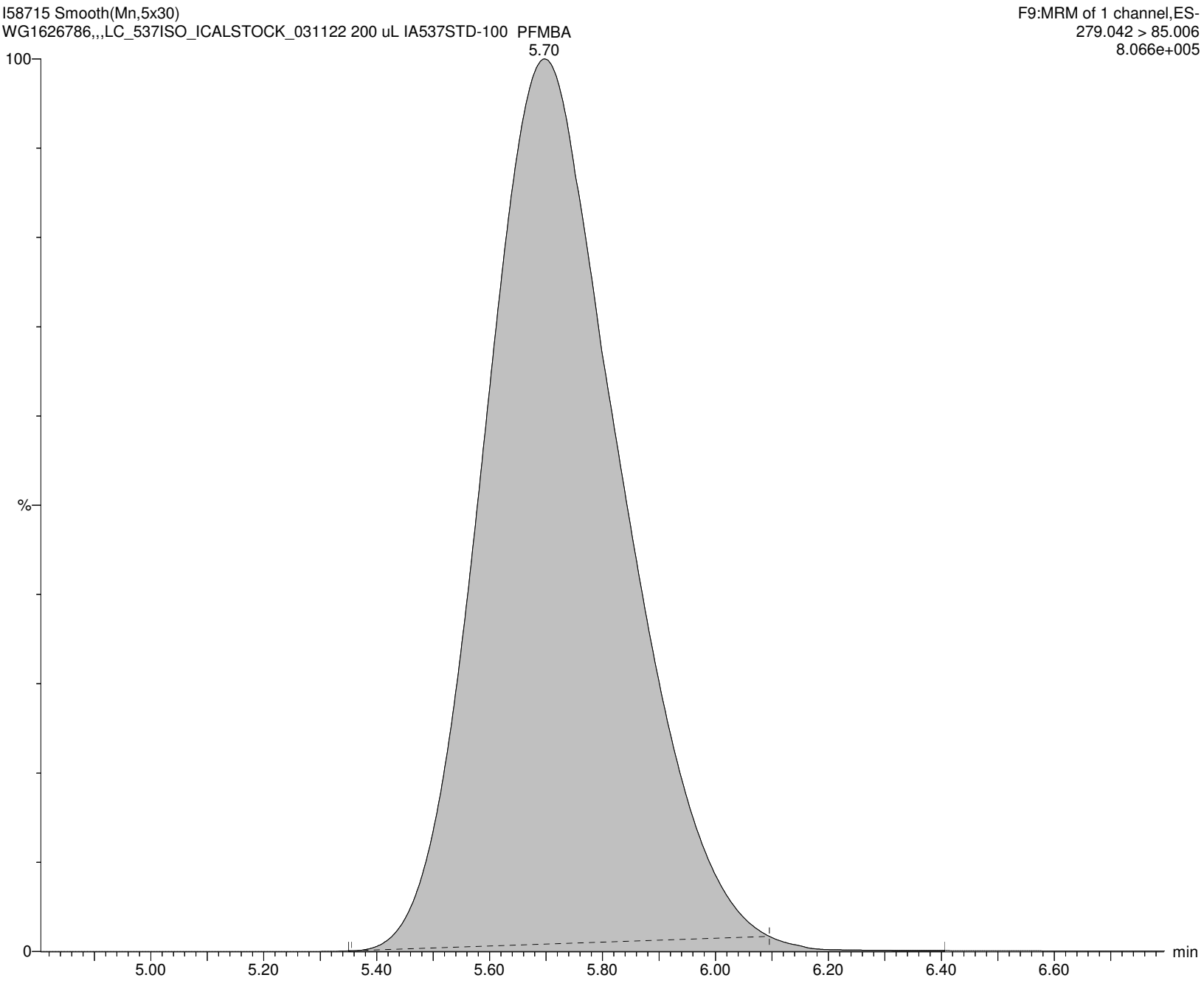


all concentration units in (ng/mL)

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PFMBA

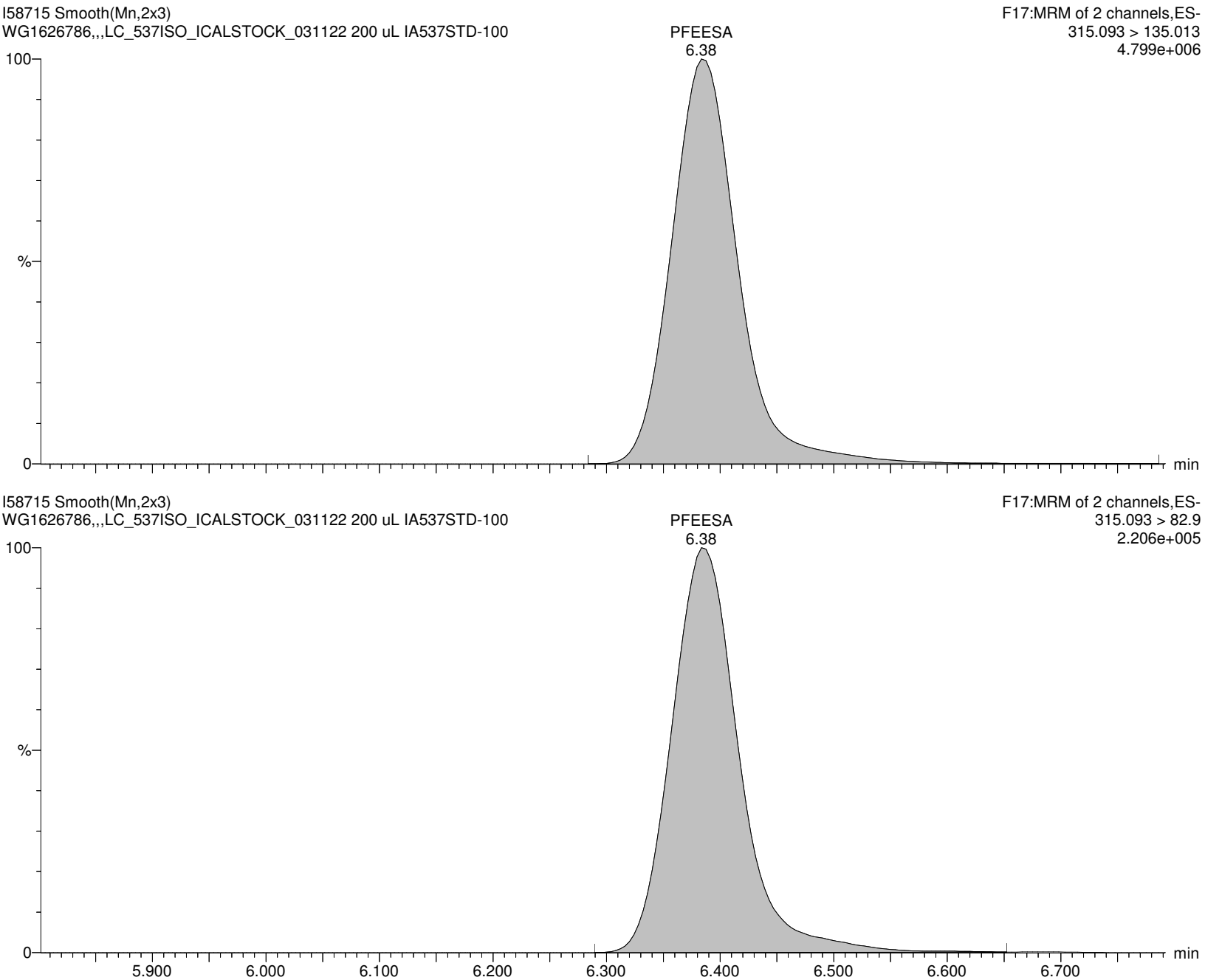


all concentration units in (ng/mL)

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Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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PFEESA

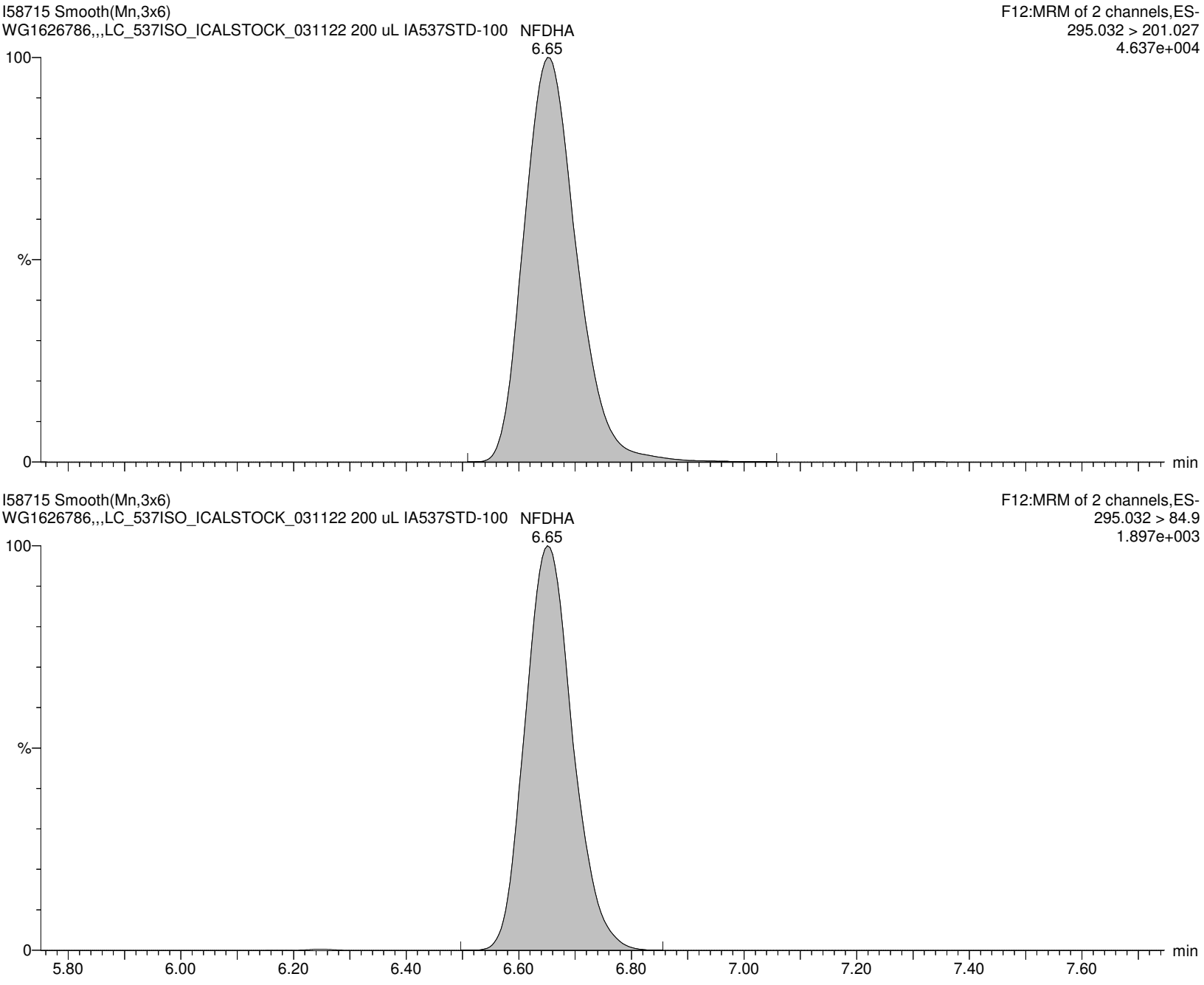


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA



all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

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Time: 18:29:11
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	567457		247.624		na	99.0
2	M3PFBA	INT STD	2.12	216.009 > 171.999	23237		9.122		na	91.2
3	MPFBA	INT STD	2.12	217.001 > 171.999	26712		10.305		na	103.0
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	596576		246.155		na	98.5
5	M5PFPEA	INT STD	4.96	268.001 > 222.999	31375		9.854		na	98.5
6	PFBS	375-73-5	5.63	299.092 > 80.062	125631		219.464	1.96	NO	99.0
7	M3PFBS	INT STD	5.63	302.069 > 80.062	5173		10.135		na	108.7
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	62648		ND	2.51	NO	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	5710		25.064		na	267.2
10	PFHxA	307-24-4	6.88	313.047 > 269.037	893253		247.024	17.24	NO	98.8
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	37192		10.632		na	106.3
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	119243		234.287	2.29	NO	99.6
13	PFHpA	375-85-9	8.16	363.055 > 319.045	1072137		248.123	6.31	NO	99.2
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	42959		10.262		na	102.6
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	25689	M5,M7	47.080	2.23	NO	99.6
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	84837		201.702	1.63	NO	99.5
17	PFHxS	355-46-4		399.107 > 80.062	110527		248.782		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	4631		9.675		na	102.1
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	1382644		246.396	9.34	NO	98.6
21	PFOA	335-67-1		412.8430 > 368.9430	1382644		246.396		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	57007		10.094		na	100.9
23	M2PFOA	INT STD	9.11	414.828 > 369.935	52208		8.006		na	80.1
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	53831		ND	3.50	NO	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	5078		24.793		na	260.7
26	PFHpS	375-92-8	9.21	449.115 > 80.062	75339		234.386	1.18	NO	98.4
27	PFNA	375-95-1	9.88	462.8510 > 418.951	1052814		245.606	3.83	NO	98.2
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	50333		9.544		na	95.4
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	49189	M5,M7	52.382	4.06	NO	99.3
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	107291		195.824	1.71	NO	99.3
31	PFOS	1763-23-1		498.9030 > 79.9520	156480		248.206		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	4868		7.462		na	74.6
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	6176		9.864		na	102.9
34	PFDA	335-76-2	10.51	512.8580 > 468.9590	1057480		247.909	6.72	NO	99.2
35	M2PFDA	INT STD	10.51	514.8332 > 469.8243	36332		6.768		na	67.7
36	M6PFDA	INT STD	10.51	518.6490 > 473.8794	45711		10.547		na	105.5
37	8:2FTS	39108-34-4	10.50	526.6490 > 506.7500	55372		ND	3.74	NO	
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	2739		20.064		na	209.0
39	PFNS	68259-12-1	10.54	549.131 > 80.062	68216		234.376	1.52	NO	97.5

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:30 Eastern Daylight Time

ID: IA537STD-250
Name: I58716
Date: 13-Apr-2022
Time: 18:29:11
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 250 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2512		14.001		na	140.0
41	br-NMeFOSAA		10.74	570.202 > 419.061	7384	M5,M7	59.209	0.90	NO	98.7
42	L-NMeFOSAA		10.90	570.202 > 419.061	54410		187.894	1.85	NO	98.9
43	NMeFOSAA	2355-31-9		570.202 > 419.061	61795		247.103		na	
44	PFUnA	2058-94-8	11.05	562.5852 >518.8544	971349		245.575	11.54	NO	98.2
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	26127		10.134		na	101.3
46	PFDS	335-77-3	11.07	599.139 > 80.062	67064		228.840	1.65	NO	94.9
47	FOSA	754-91-6	10.93	498.146 > 78.07	265189		245.650	93.35	NO	98.3
48	M8FOSA	INT STD	10.93	506.077 > 78.07	15590		12.872		na	128.7
49	br-NEtFOSAA		11.04	584.229 > 419.061	3975	M5,M7	55.646	0.56	NO	98.9
50	L-NEtFOSAA		11.19	584.229 > 419.061	40004		191.832	1.11	NO	99.0
51	NEtFOSAA	2991-50-6		584.229 > 419.061	43979		247.478		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2137		14.281		na	142.8
53	PFDoA	307-55-1	11.53	613.094 > 569.084	528150		243.398	23.03	NO	97.4
54	MPFDOA	INT STD	11.54	615.079 > 570.077	19409		11.849		na	118.5
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	374173		249.395	11.00	NO	99.8
56	PFTA	376-06-7	12.31	712.8900 > 668.9900	692097		235.715	9.89	NO	94.3
57	M2PFTEDA	INT STD	12.31	714.5214 > 669.7984	44007		12.721		na	127.2
58	M3HFPO-DA	INT STD	7.30	287.02 > 169.022	3093	M4	136.094		na	68.0
59	HFPO-DA	13252-13-6	7.30	285.035 > 169.022	39838		2453.051	1.06	YES	98.1
60	ADONA	958445-44-8	8.34	377.06 > 251.028	786068		235.463	28.49	NO	99.7
61	PFHxDA		12.75	813.122 > 768.8565	195972		243.690	18.72	NO	97.5
62	PFODA		12.97	913.411 > 868.7332	38507		249.181	15.45	NO	99.7
63	M2PFHxDA		12.75	815.102 > 770.108	7180		12.223		na	122.2
64	PFDoS		11.94	699.154 > 80.062	47445		268.989	2.23	NO	107.6
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1304	M4	22.218		na	113.4
66	10:2FTS		11.55	627.192 > 607.186	21037		240.454	1.53	NO	99.6
67	9CL-PF3ONS		10.29	530.862 > 350.843	641328		232.274	2.76	NO	99.6
68	11CL-PFOUdS		11.33	630.862 > 450.854	524879		237.144	3.25	NO	100.6
69	NMeFOSA		11.54	512.163 > 169.022	216327		1264.636	2.00	NO	101.2
70	d3-NMeFOSA		11.53	515.183 > 169.022	20015		107.468		na	107.5
71	NEtFOSA		11.84	526.192 > 169.022	268811		1264.680	4.47	NO	101.2
72	d5-NEtFOSA		11.83	531.222 > 169.022	24741		110.786		na	110.8
73	NMeFOSE		11.55	615.8 > 59.045	359215		617.881		na	98.9
74	d7-NMeFOSE		11.52	622.84 > 59.045	21012		94.784		na	94.8
75	NEtFOSE		11.83	629.862 > 59.045	435347		623.798		na	99.8
76	d9-NEtFOSE		11.81	638.734 > 59.045	31169		114.027		na	114.0
77	M3PFPeA		4.97	266.017 > 222.007	17552		8.450		na	84.5
78	M2PFHxA		6.88	315.032 > 270.03	18924		8.225		na	82.2
79	M4PFOA		9.11	417.032 > 372.03	26450		7.703		na	77.0
80	PFPrS	423-41-6	3.42	249.084 > 80.062	153573		229.442	3.00	NO	99.8
81	PFMPA		3.42	229.032 > 85.006	375040		241.043		na	96.4
82	PFMBA		5.69	279.042 > 85.006	509404	M4	239.972		na	96.0

all concentration units in (ng/mL)

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Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 250 uL
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.39	315.093 > 135.013	741970		221.652	21.49	NO	99.6
84	NFDHA		6.66	295.032 > 201.027	13894		242.414	28.85	NO	97.0

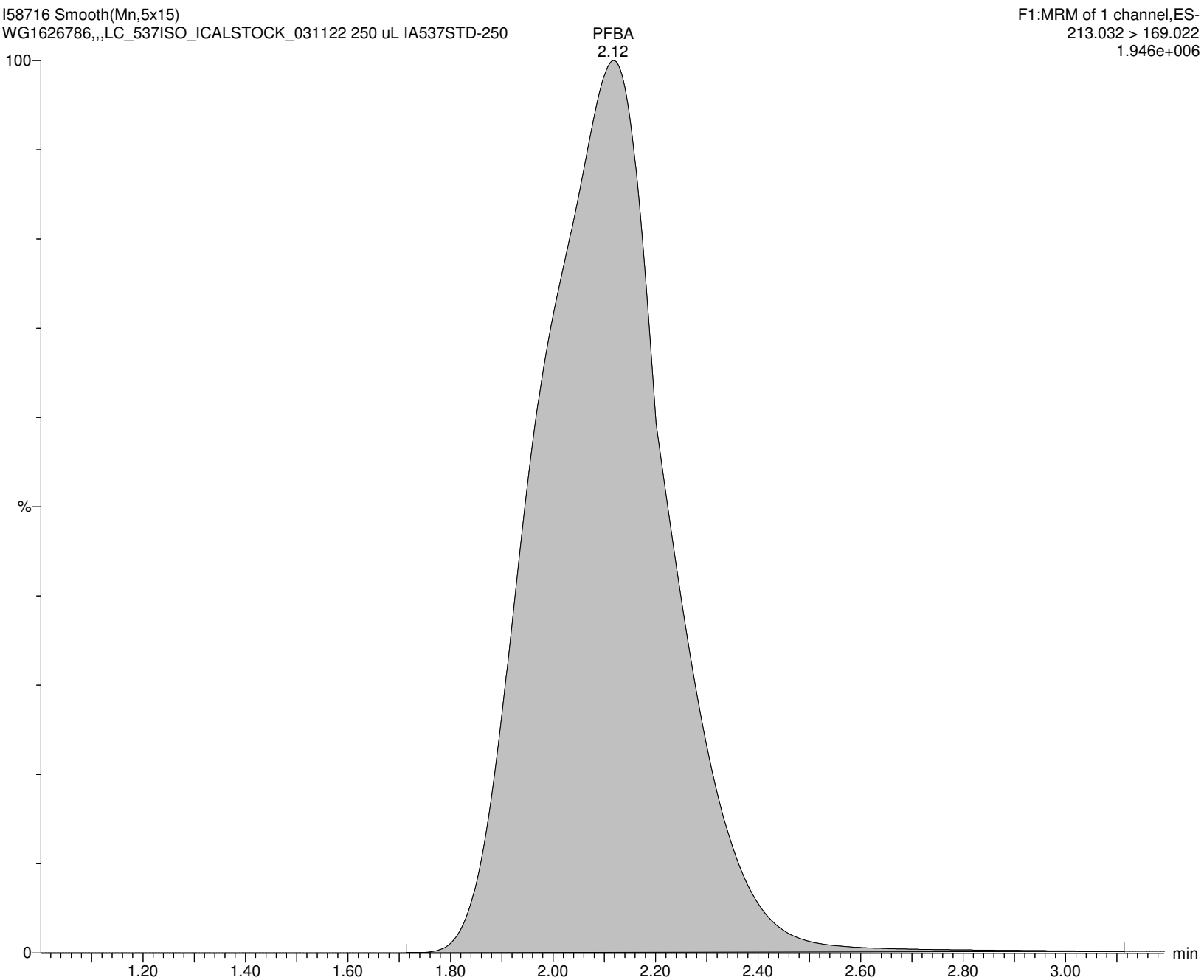
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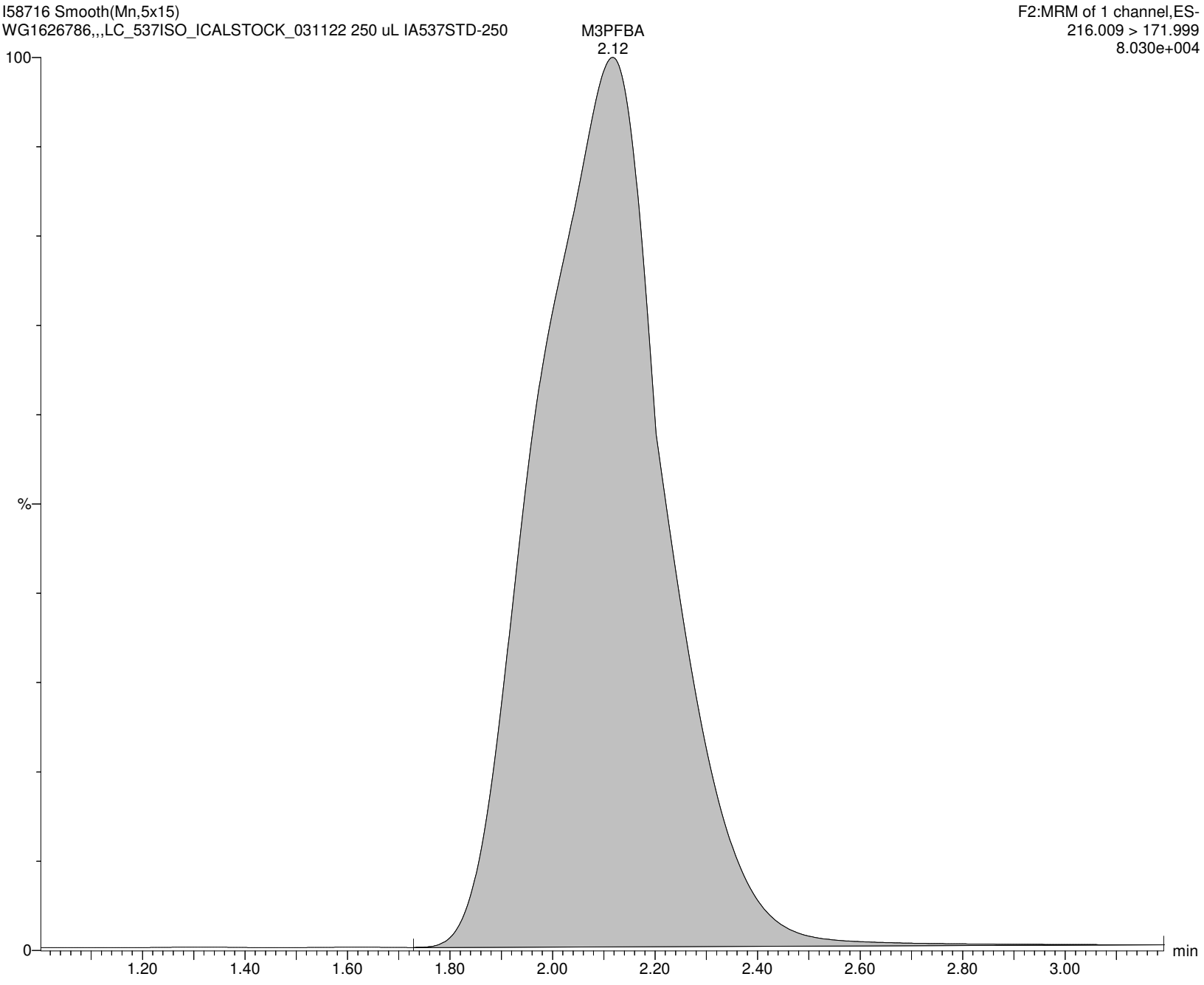


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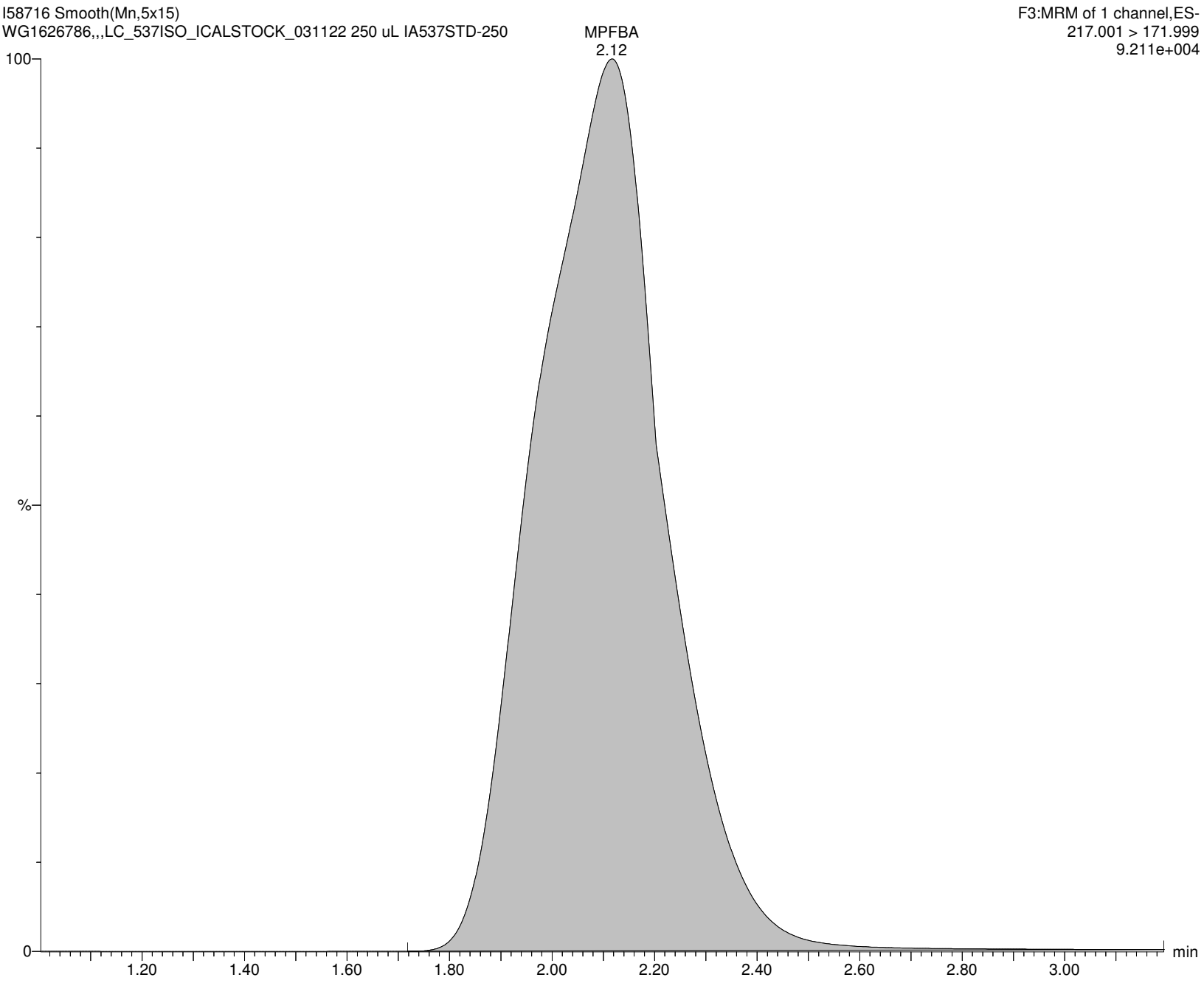


all concentration units in (ng/mL)

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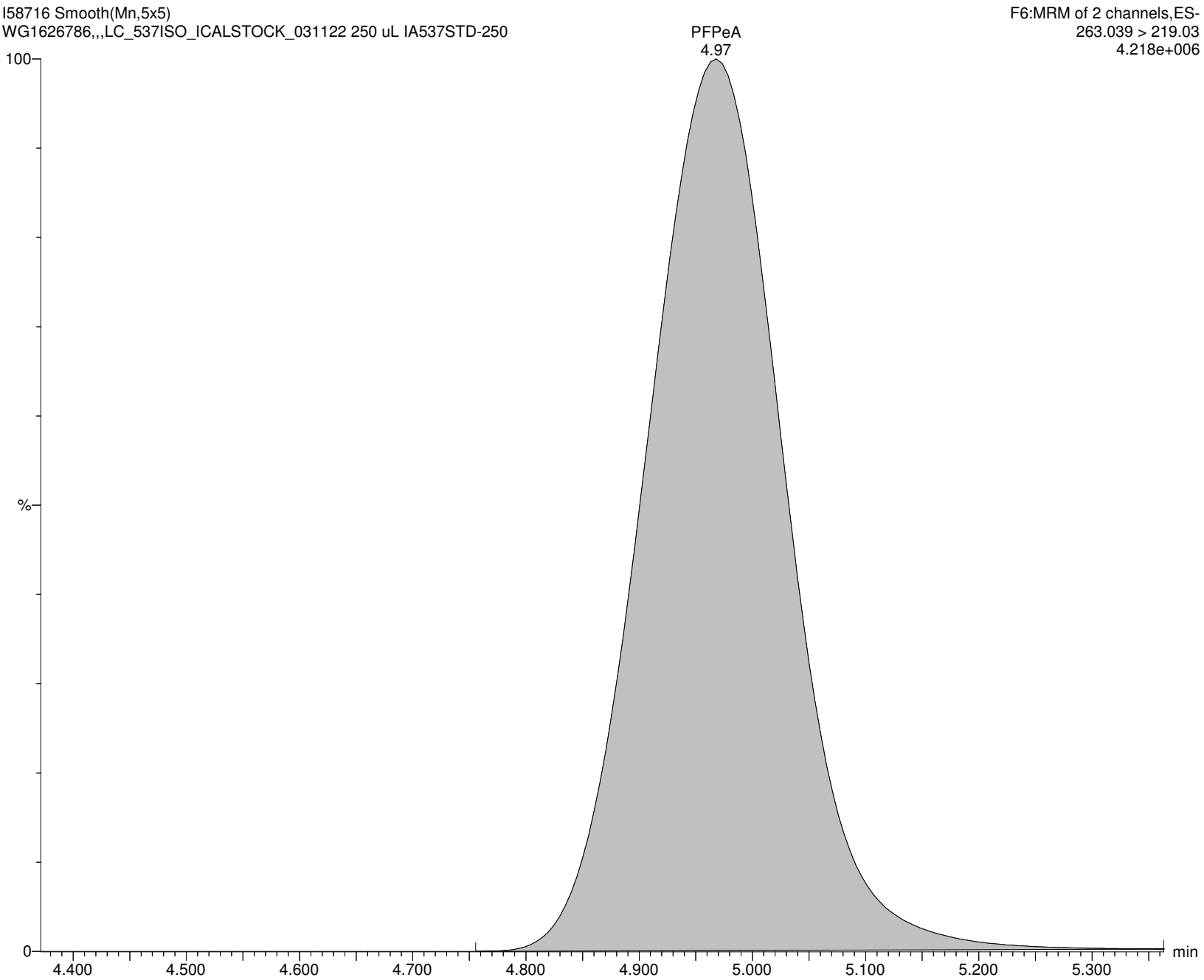


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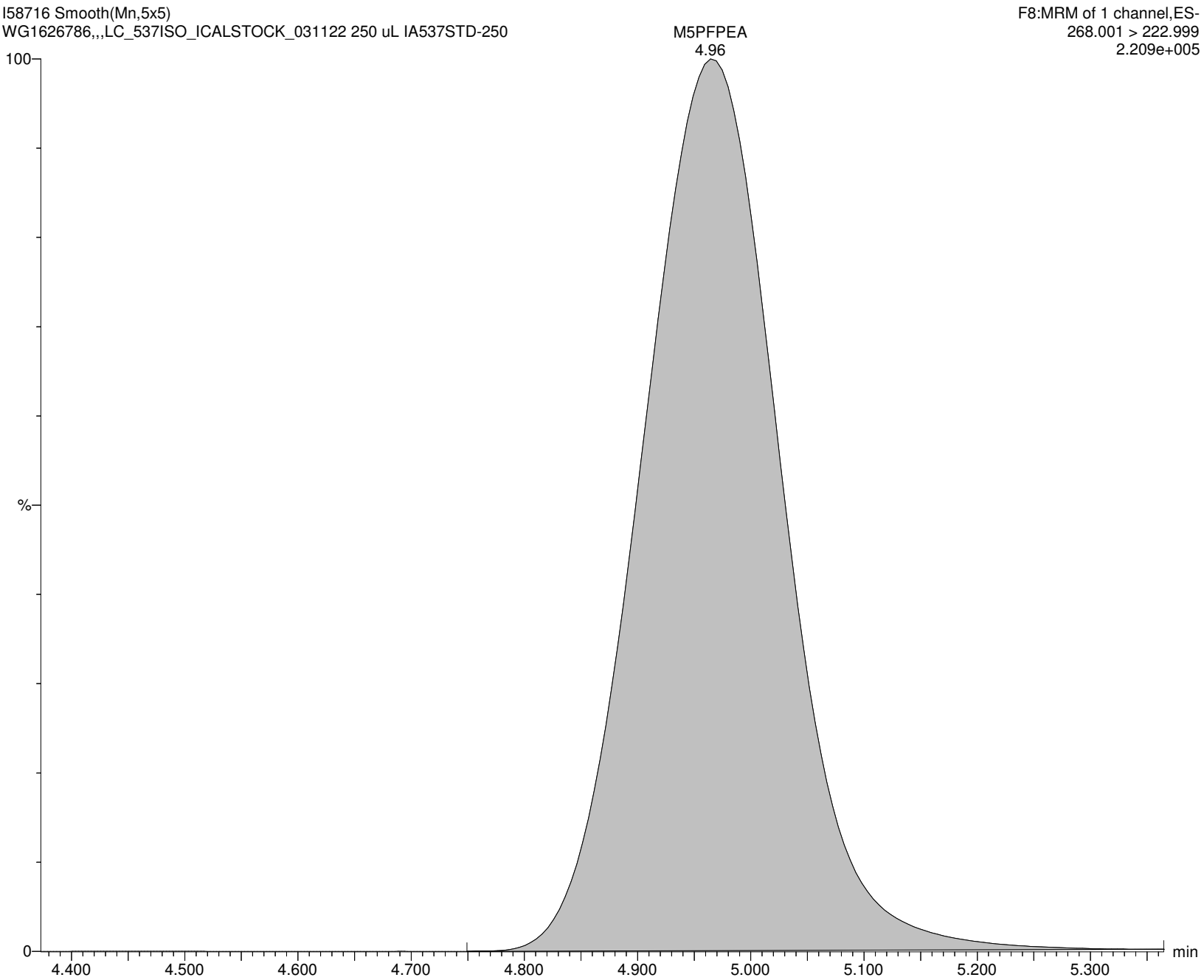


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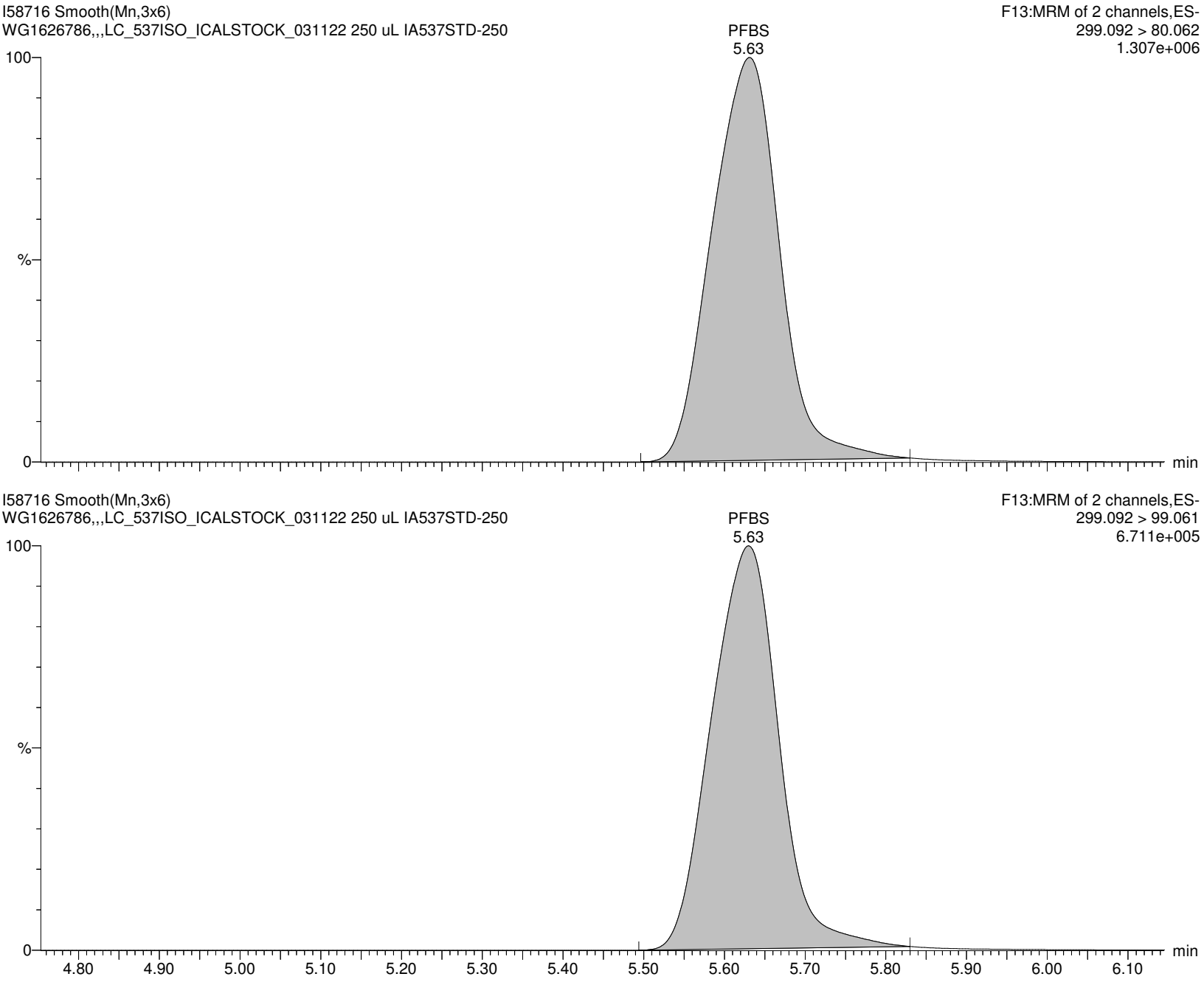


all concentration units in (ng/mL)

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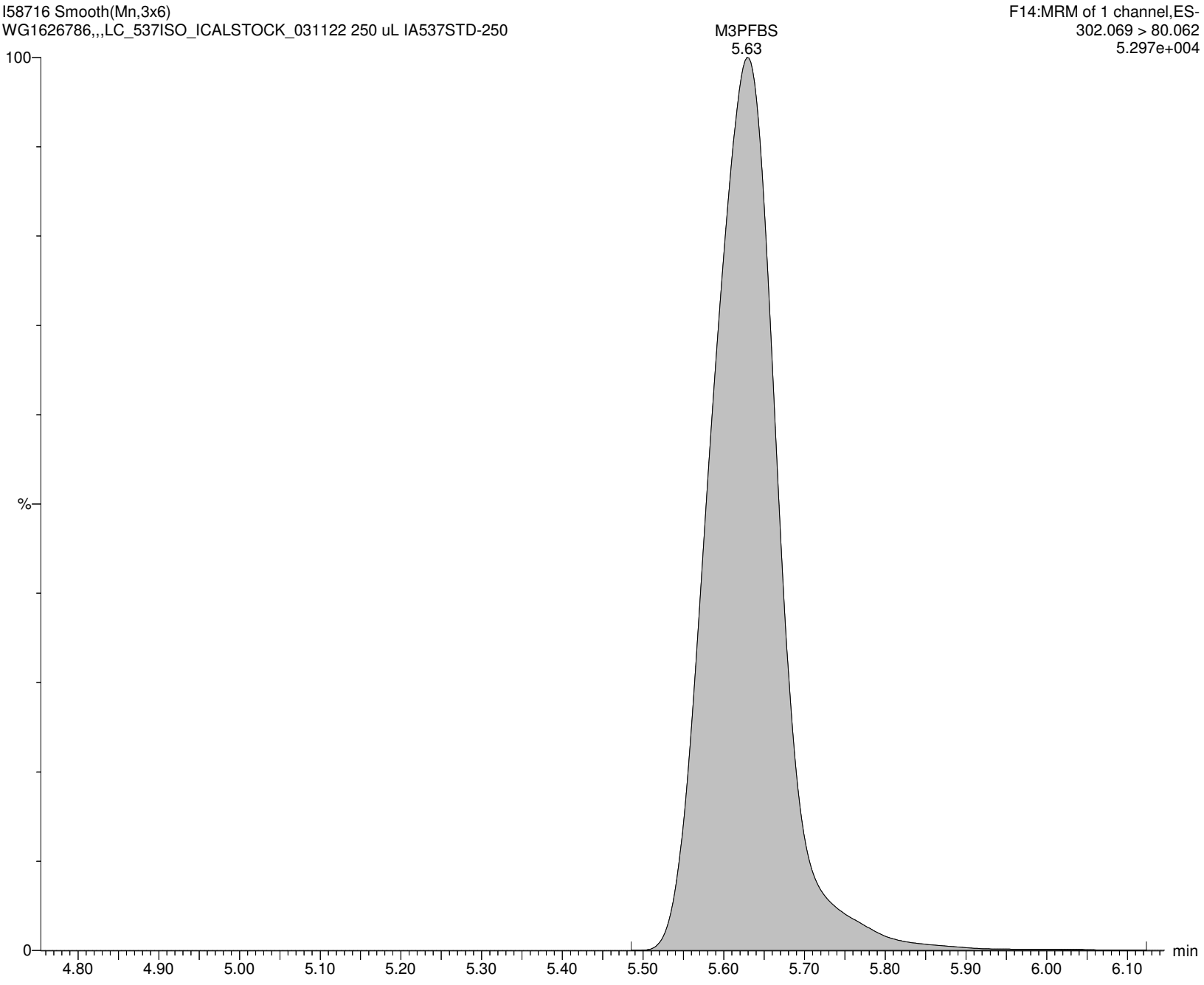


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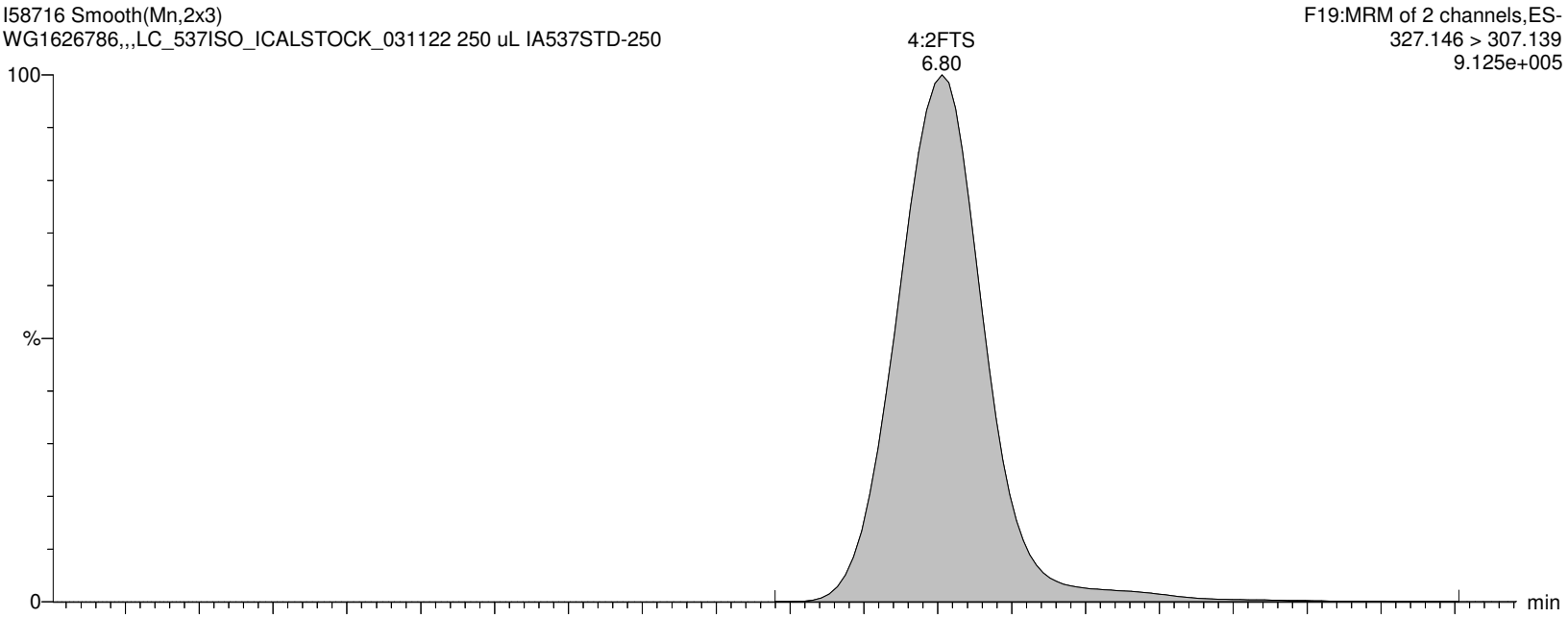


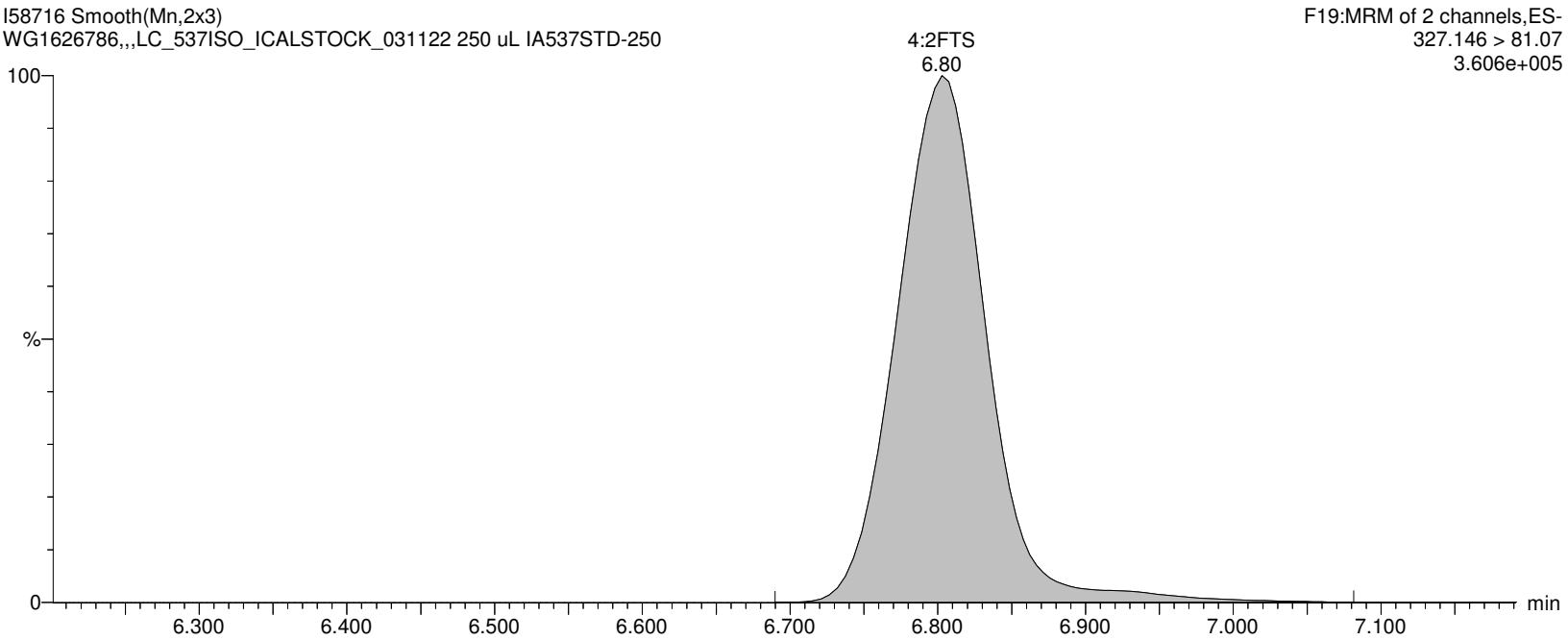
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4:2FTS



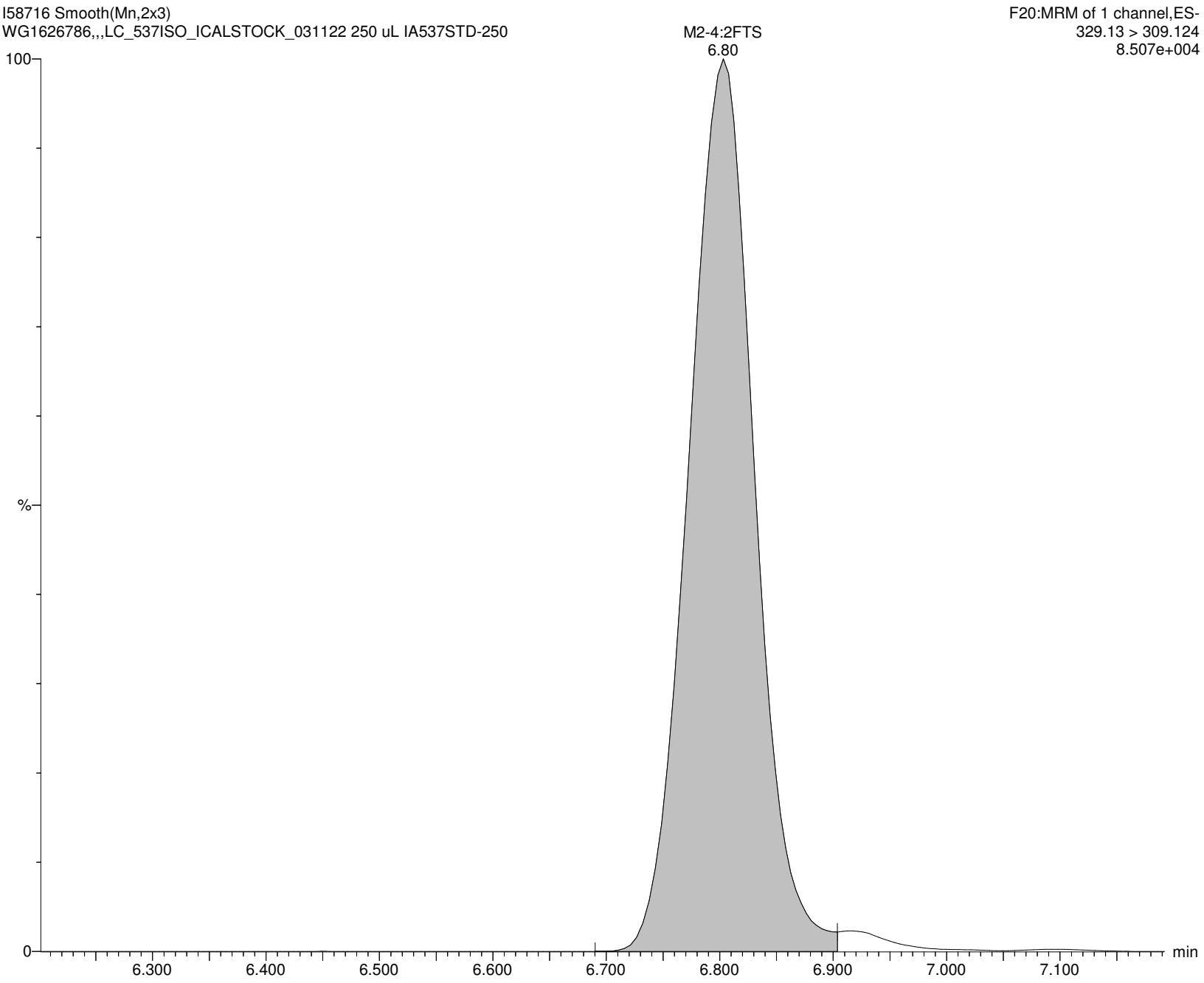


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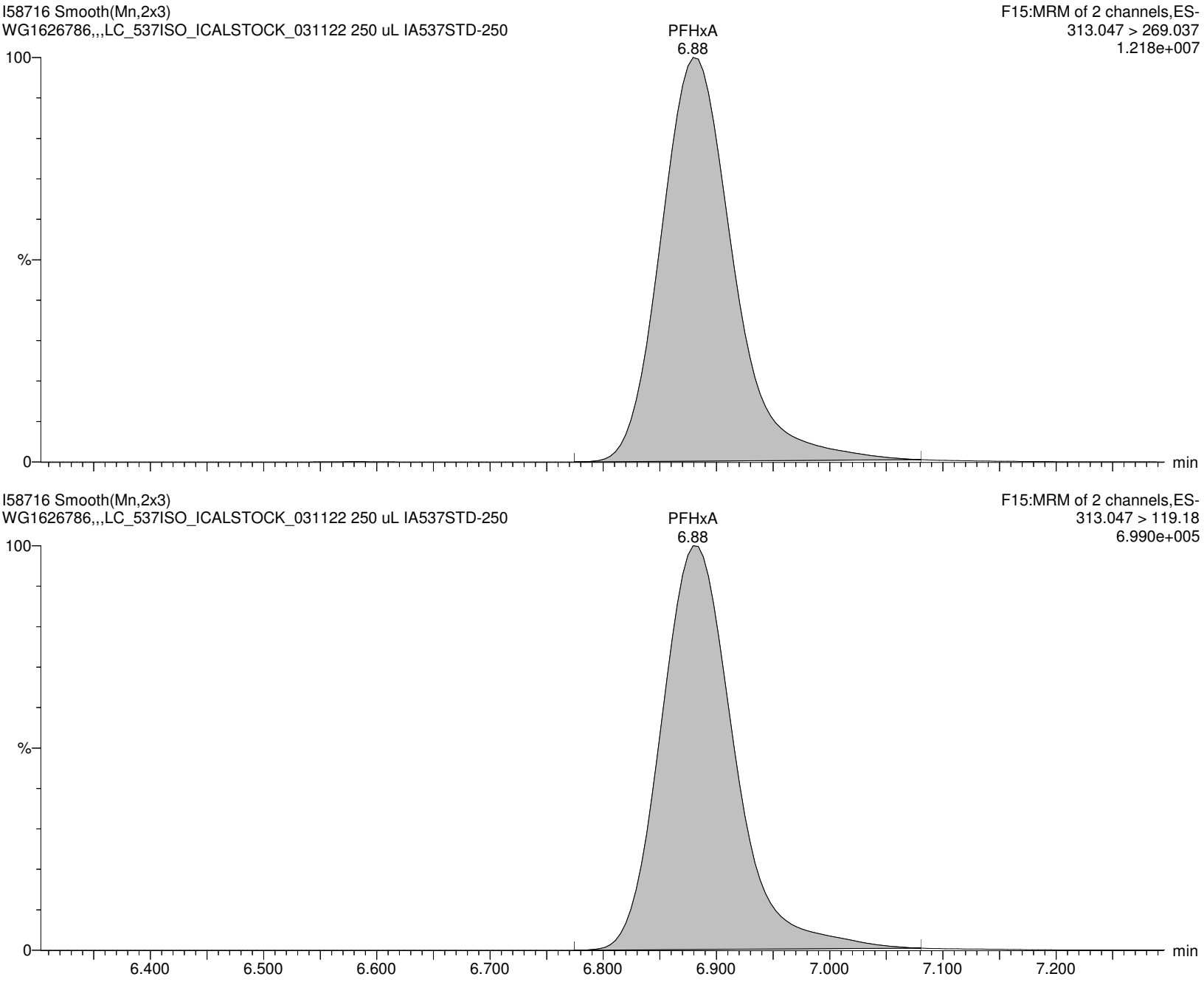


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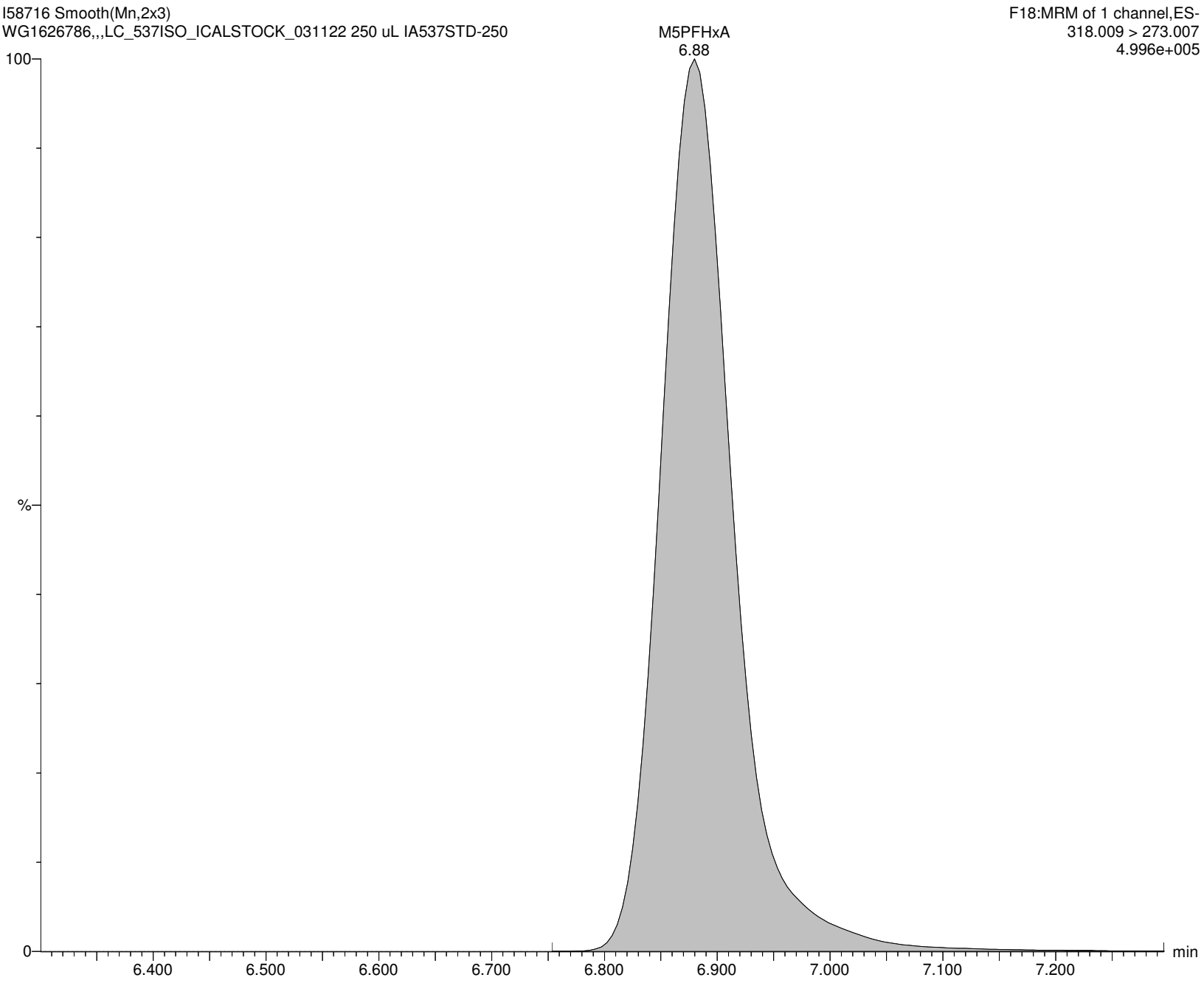


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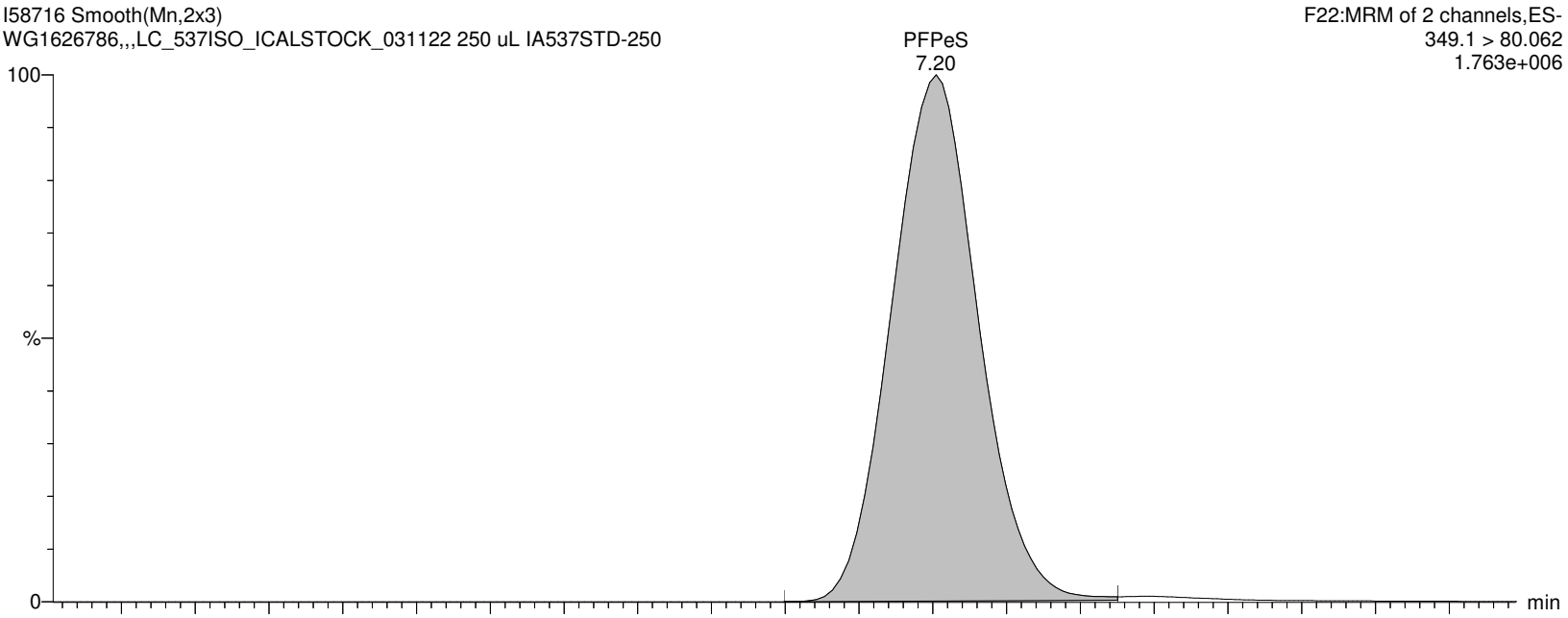


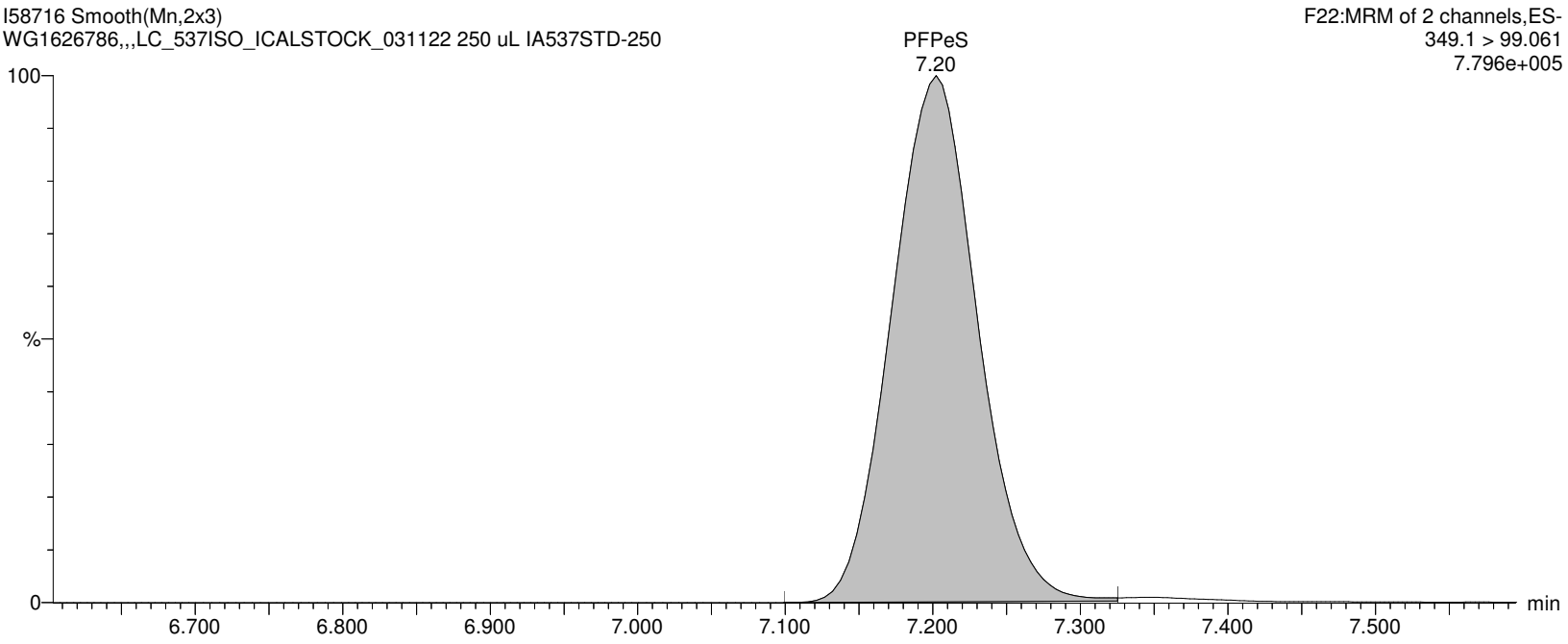
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Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:30 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:29:11
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User: LCMS02:MP
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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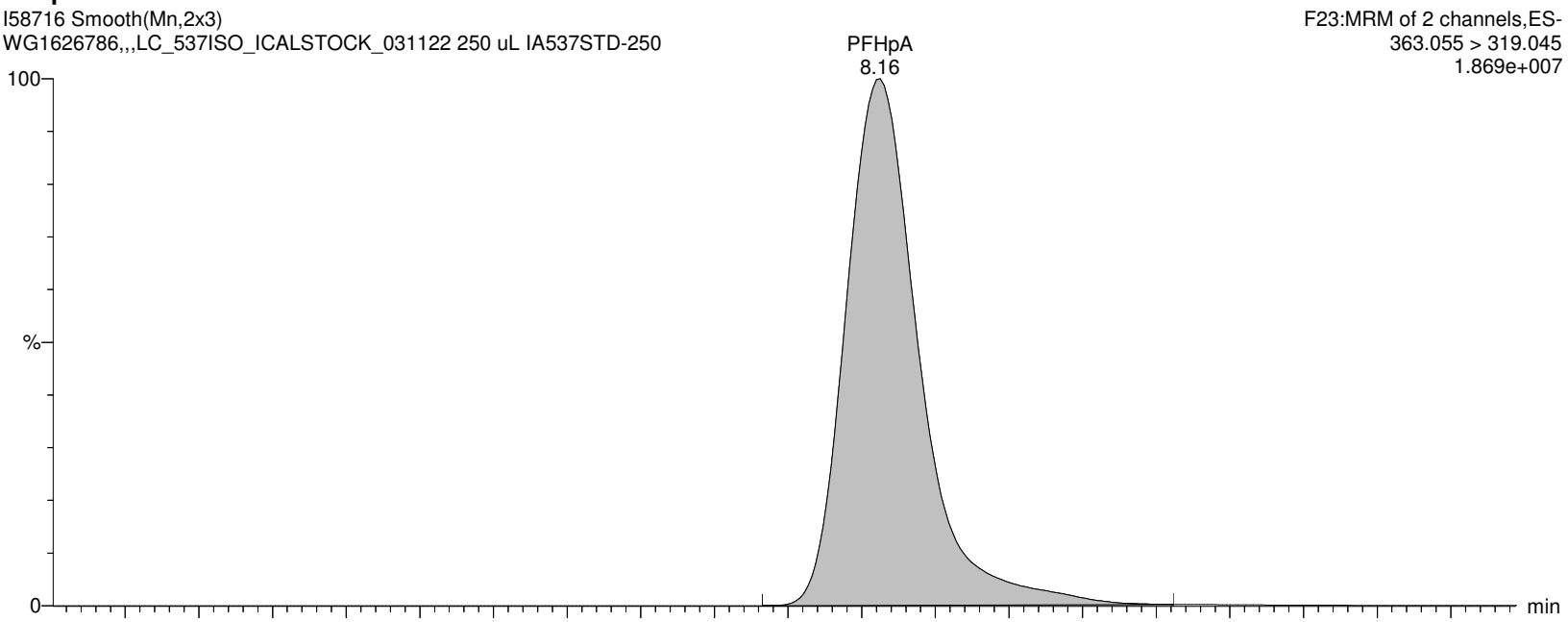


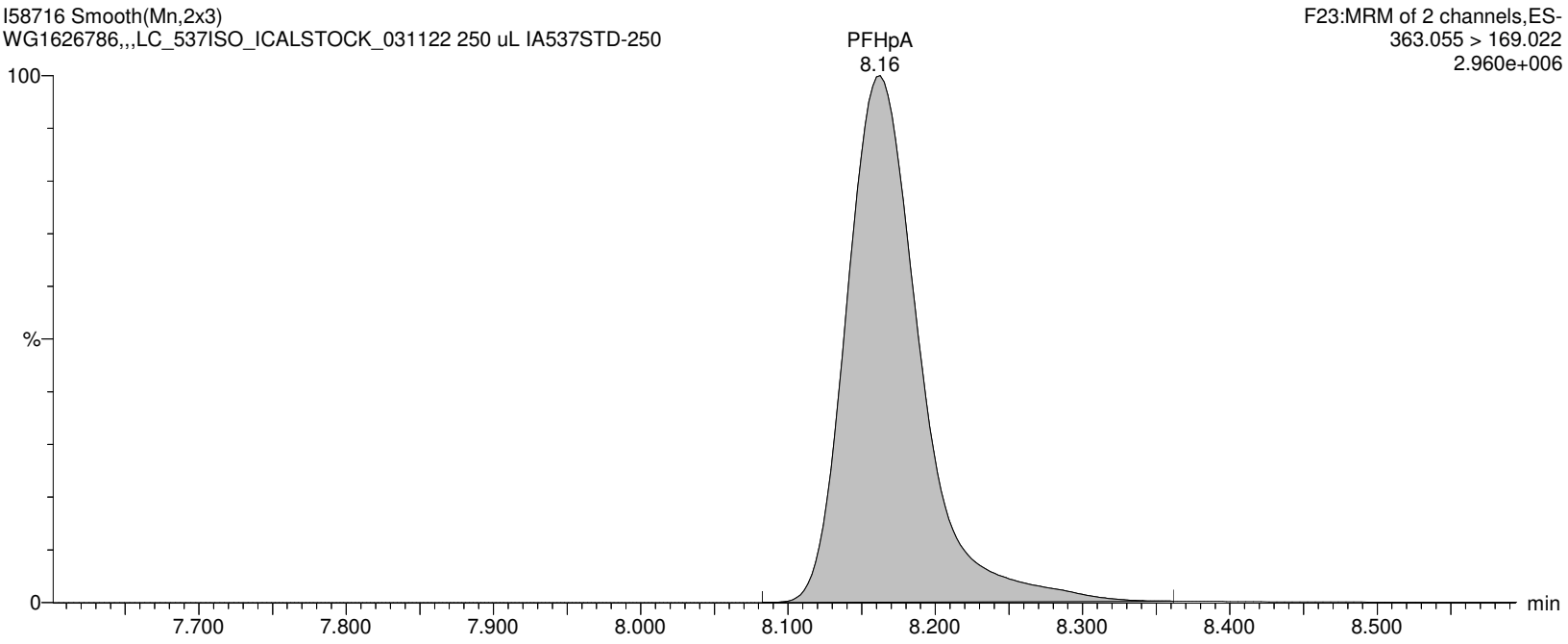
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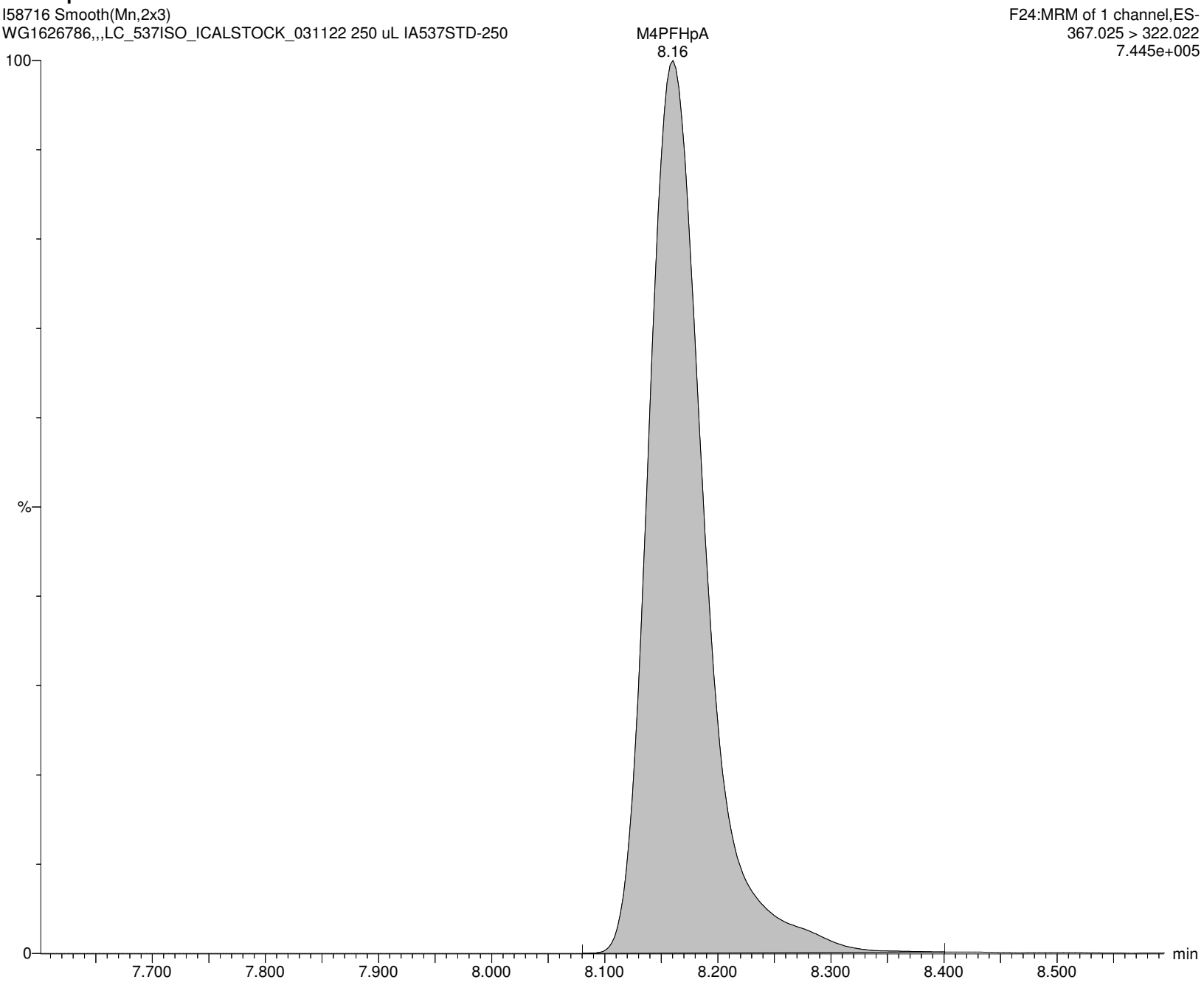


all concentration units in (ng/mL)

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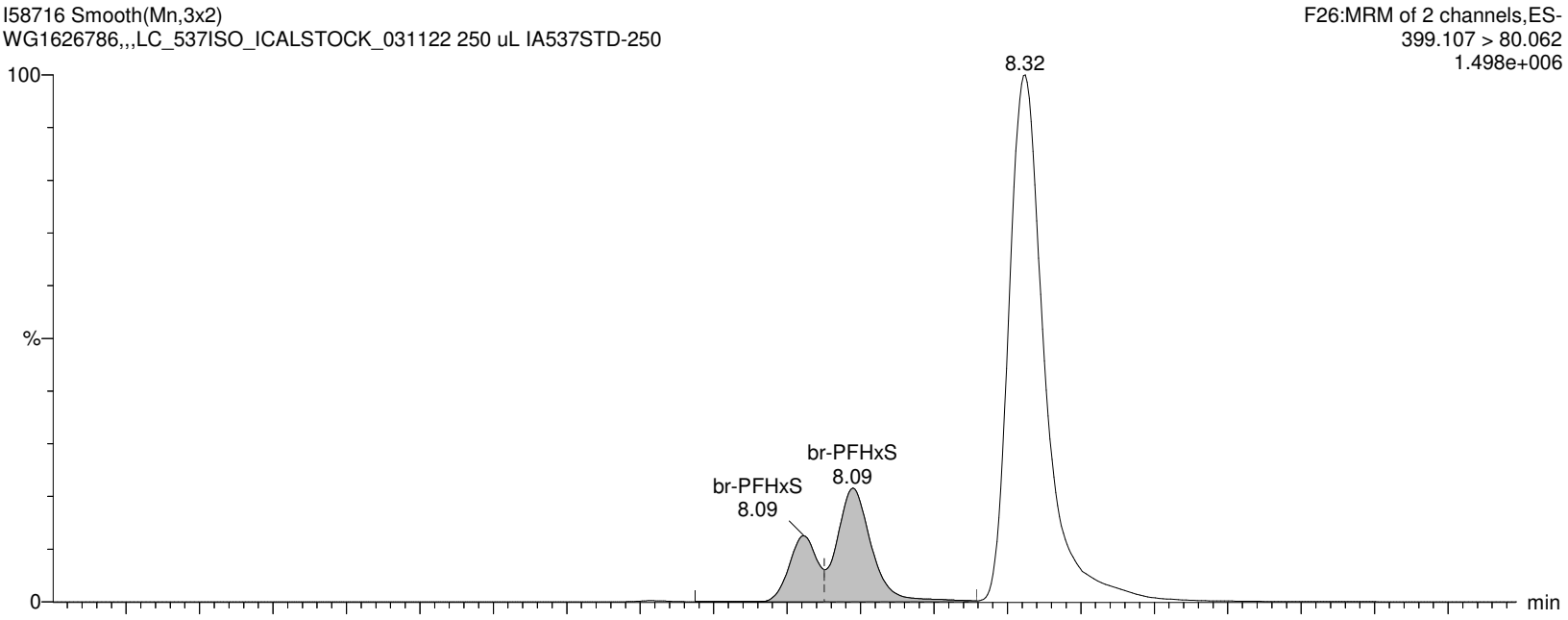


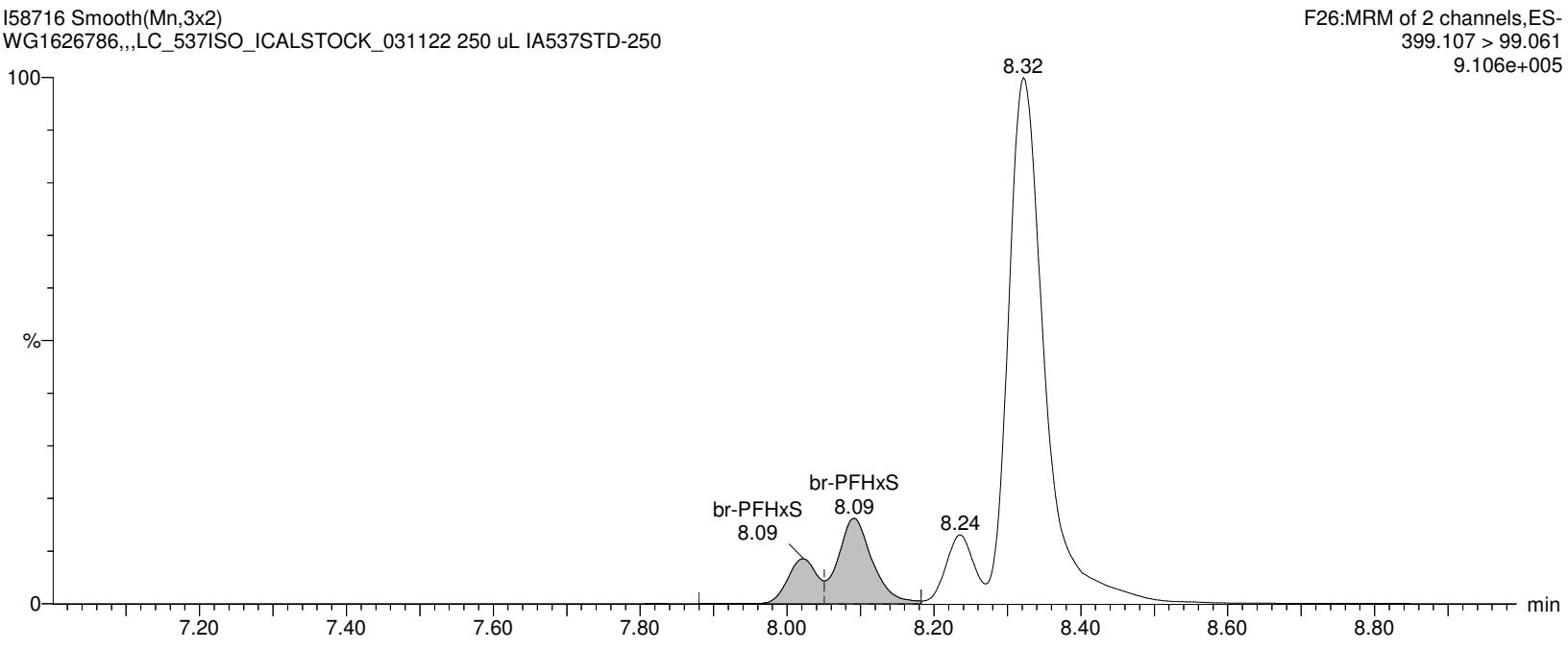
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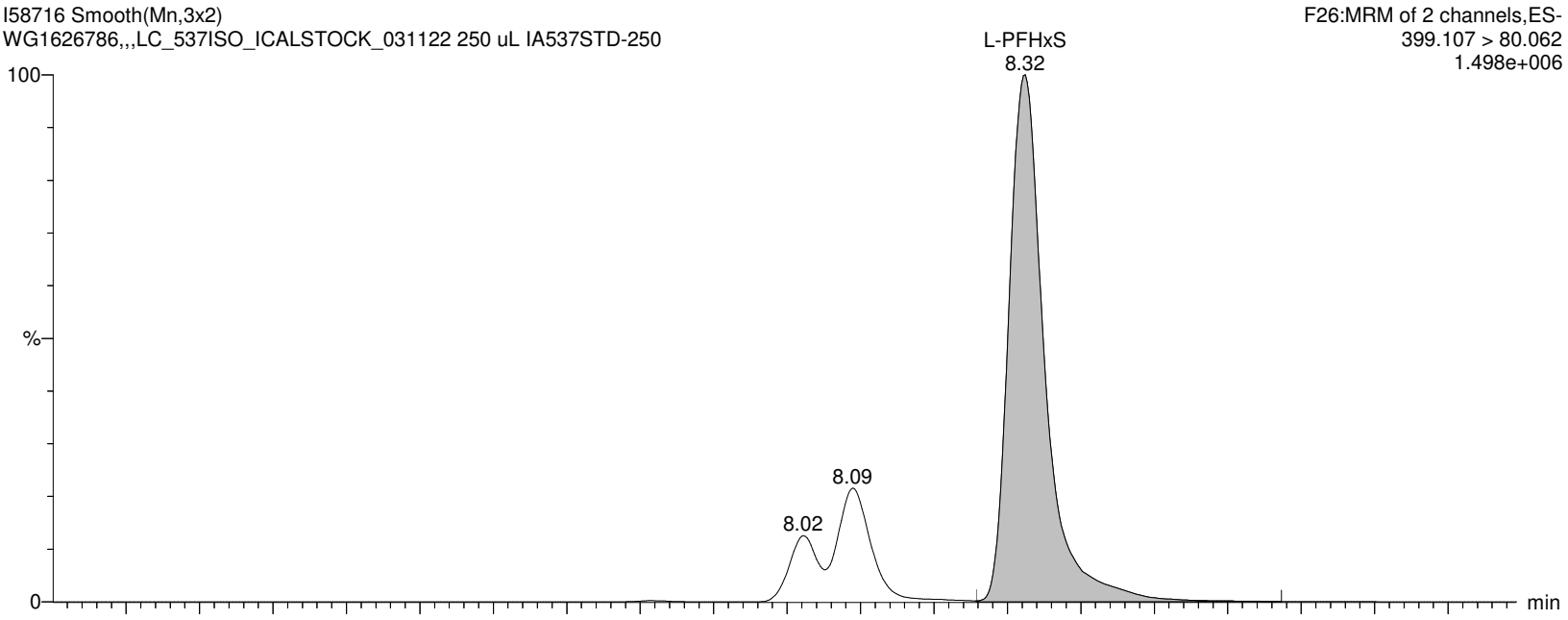


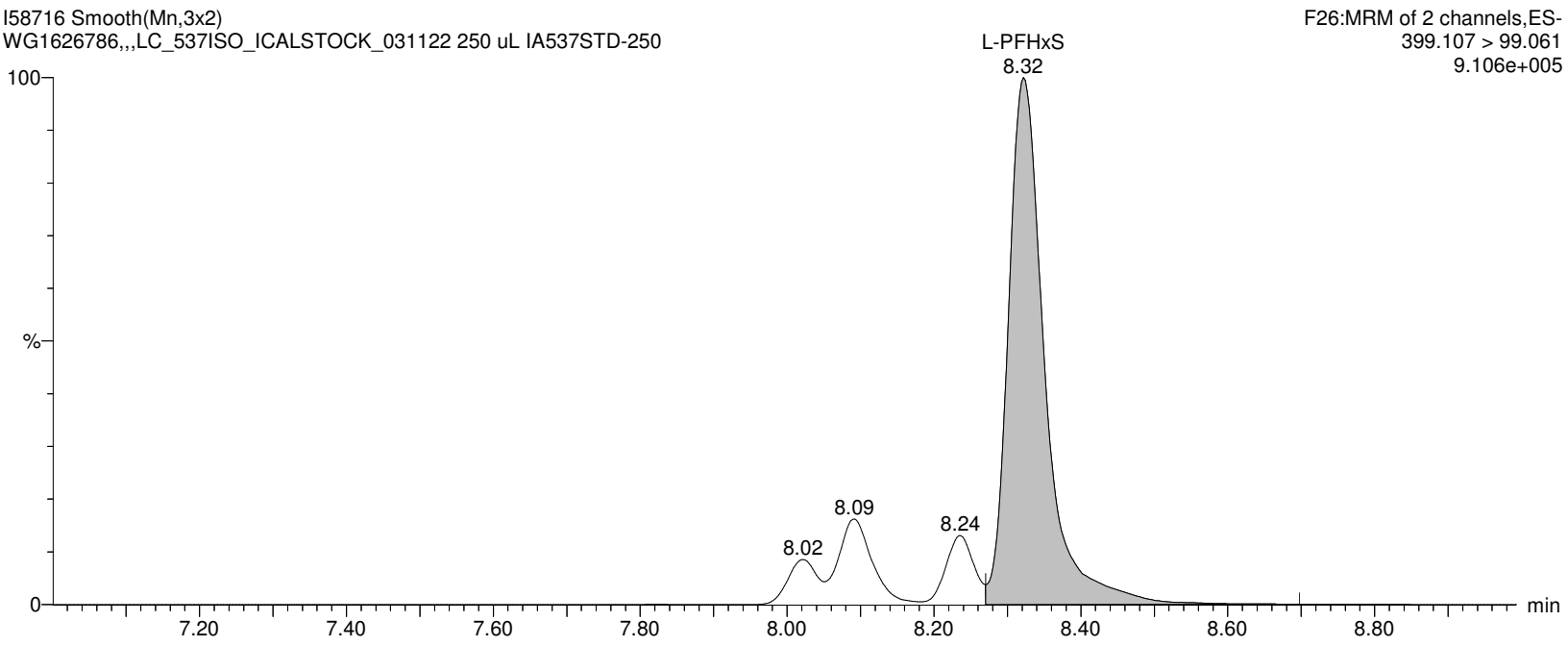
all concentration units in (ng/mL)

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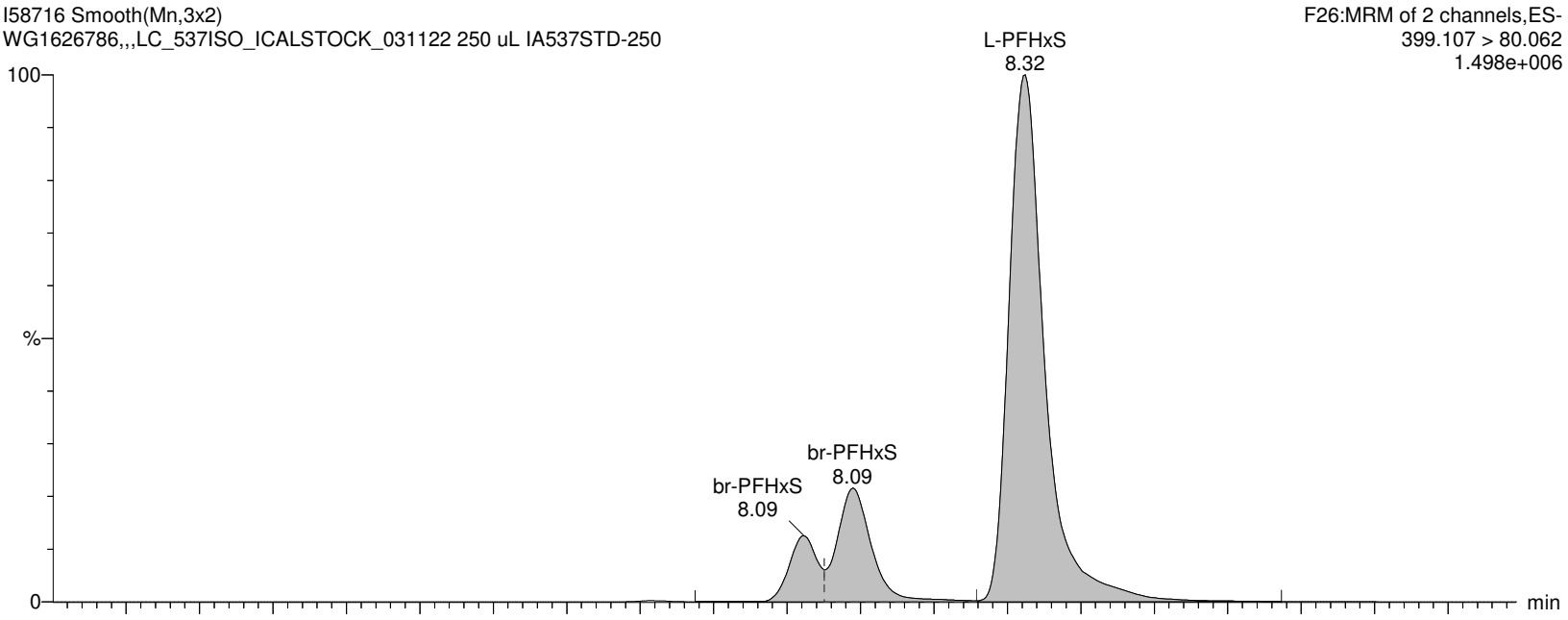


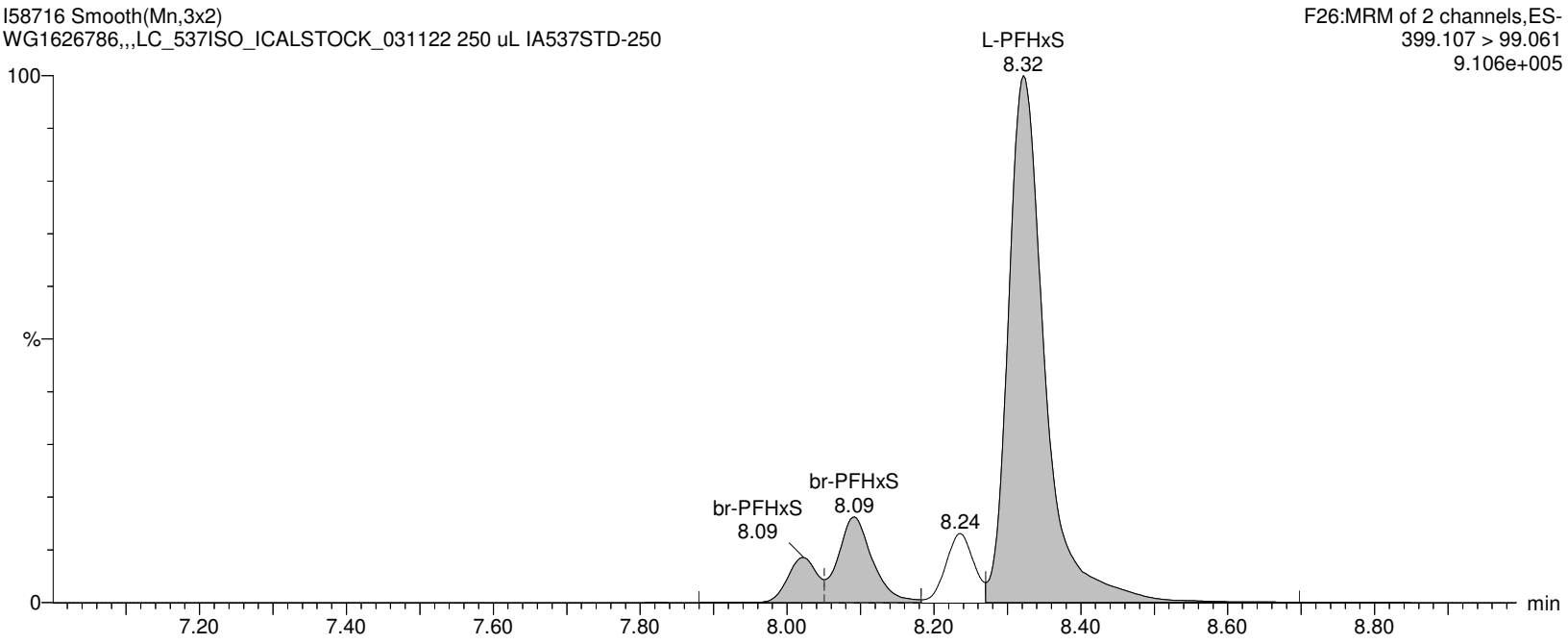
all concentration units in (ng/mL)

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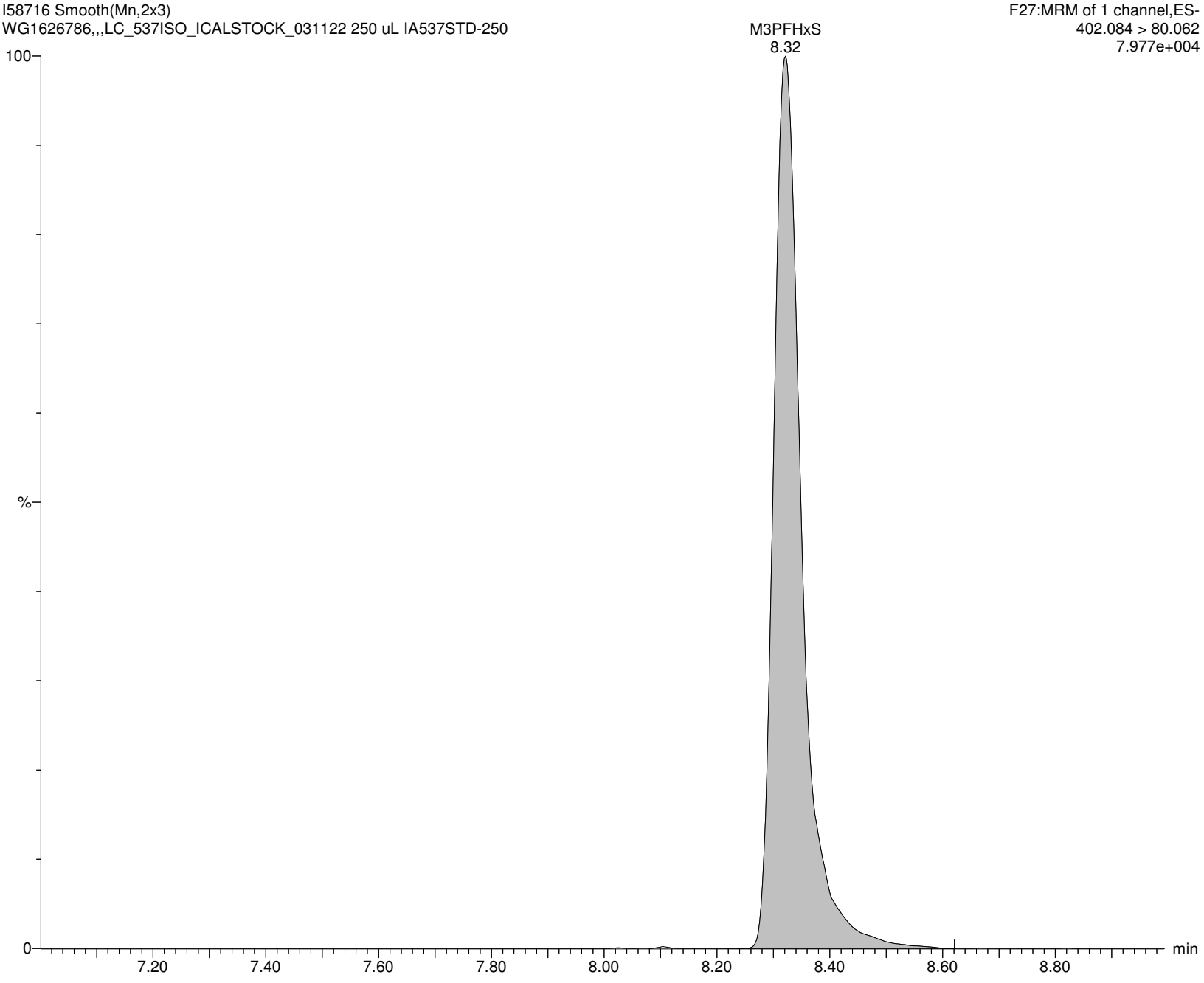


all concentration units in (ng/mL)

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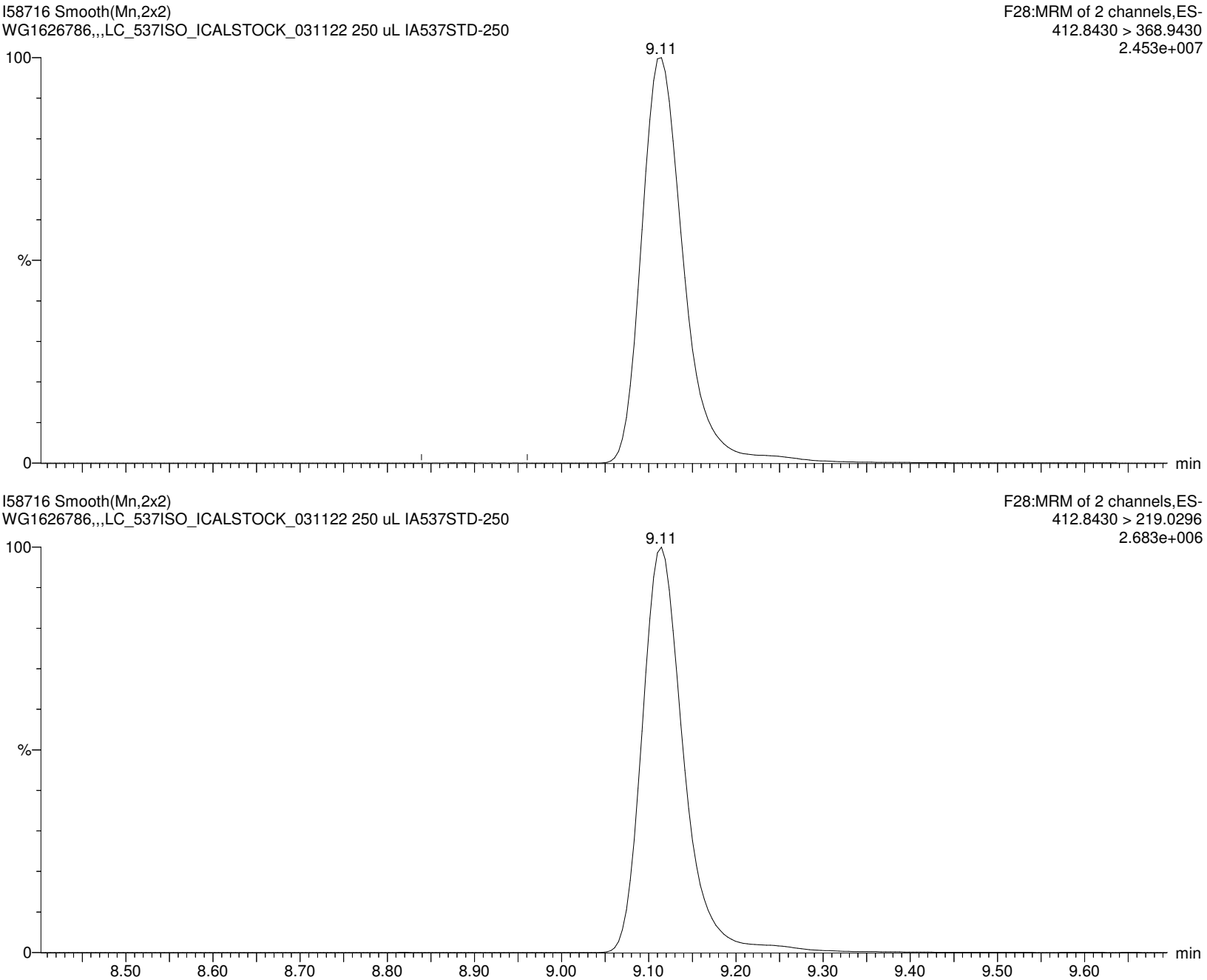


all concentration units in (ng/mL)

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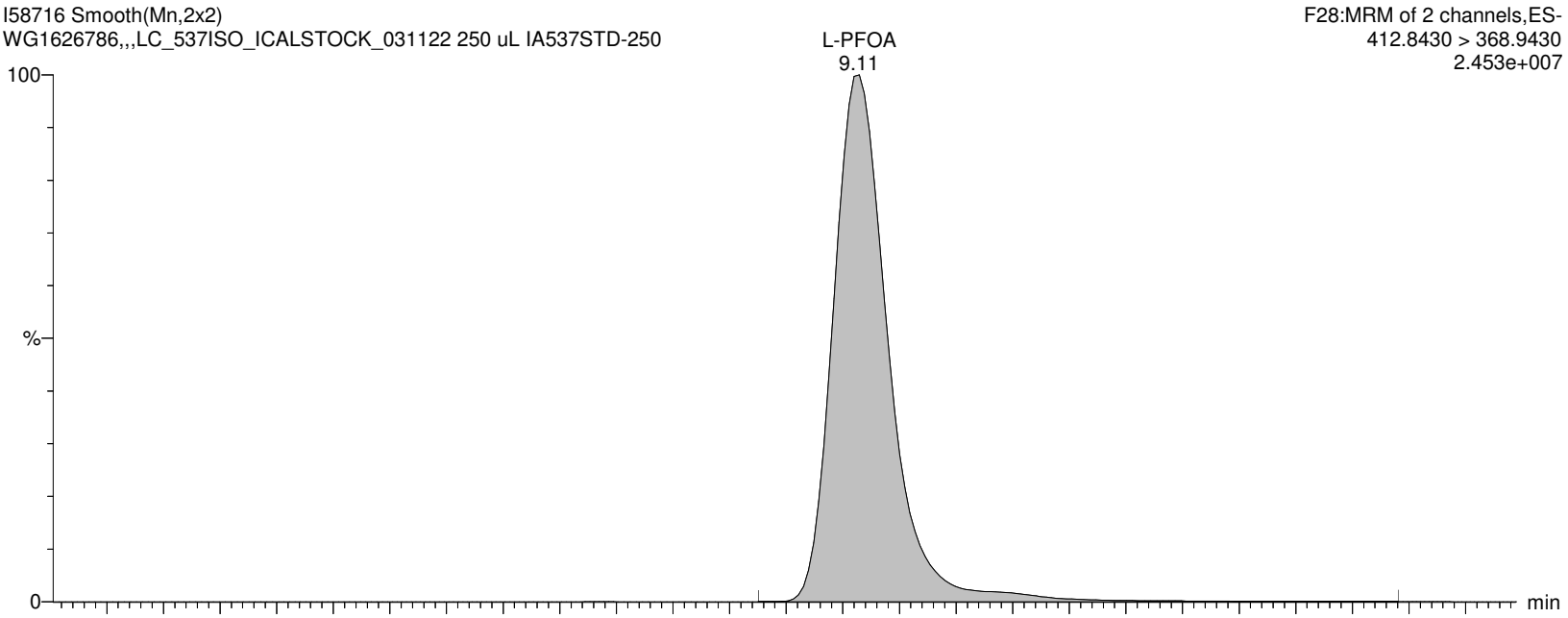


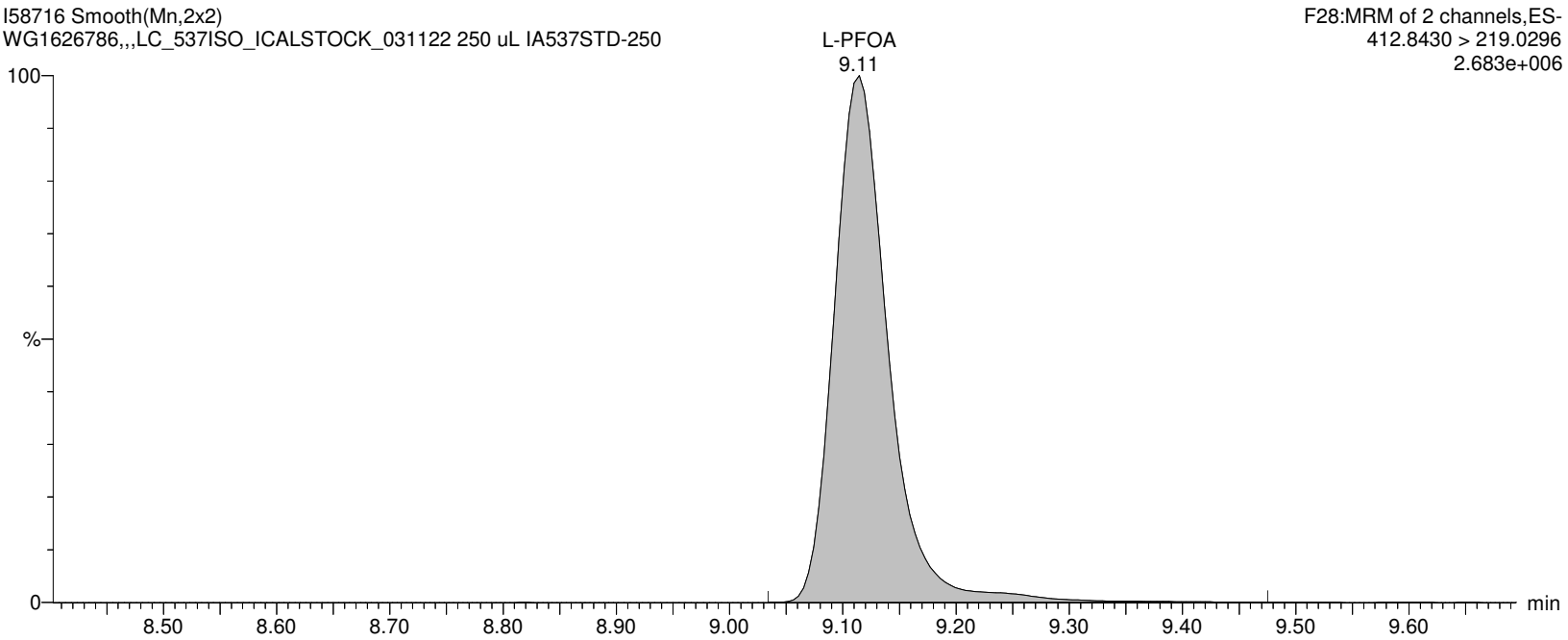
all concentration units in (ng/mL)

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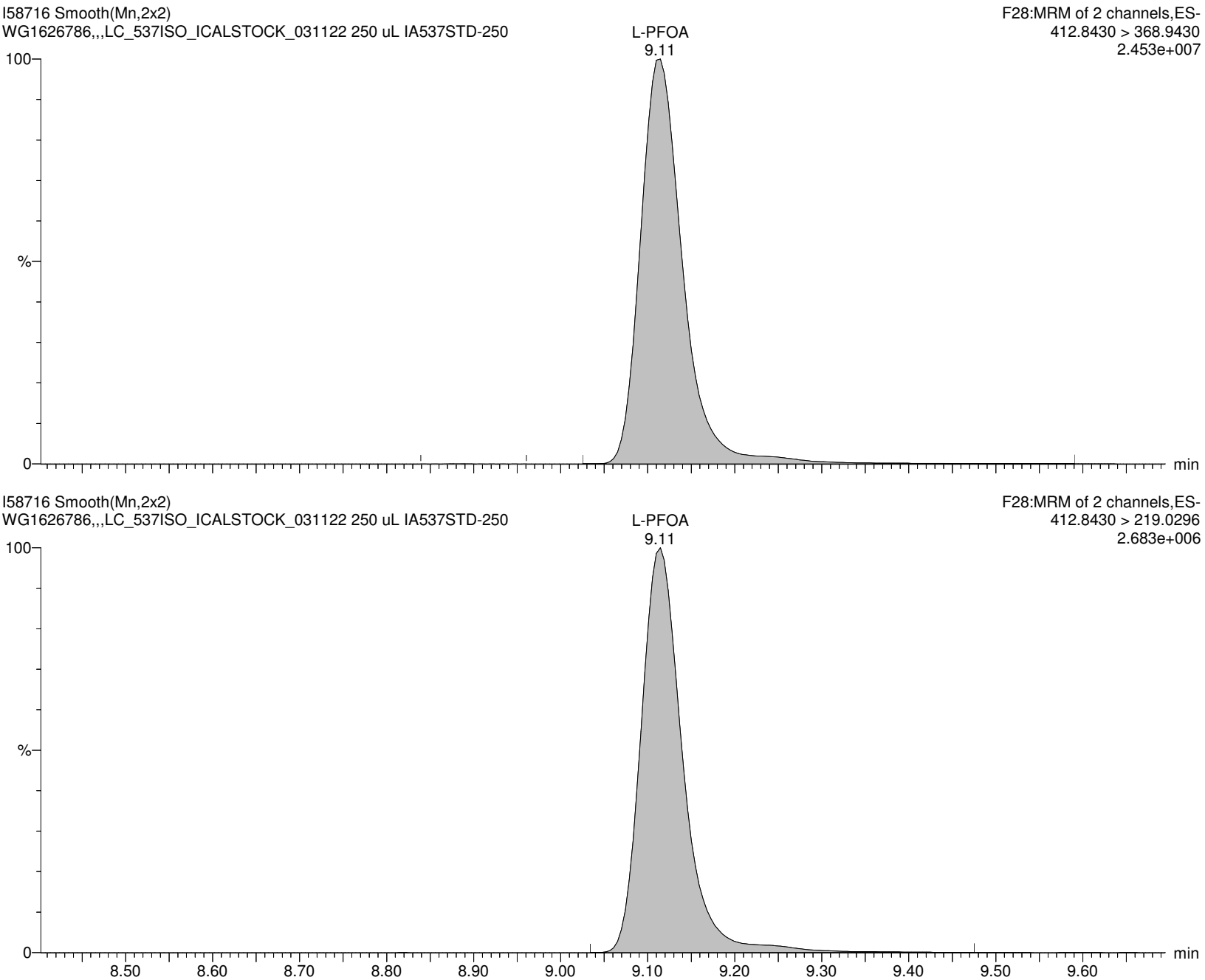


all concentration units in (ng/mL)

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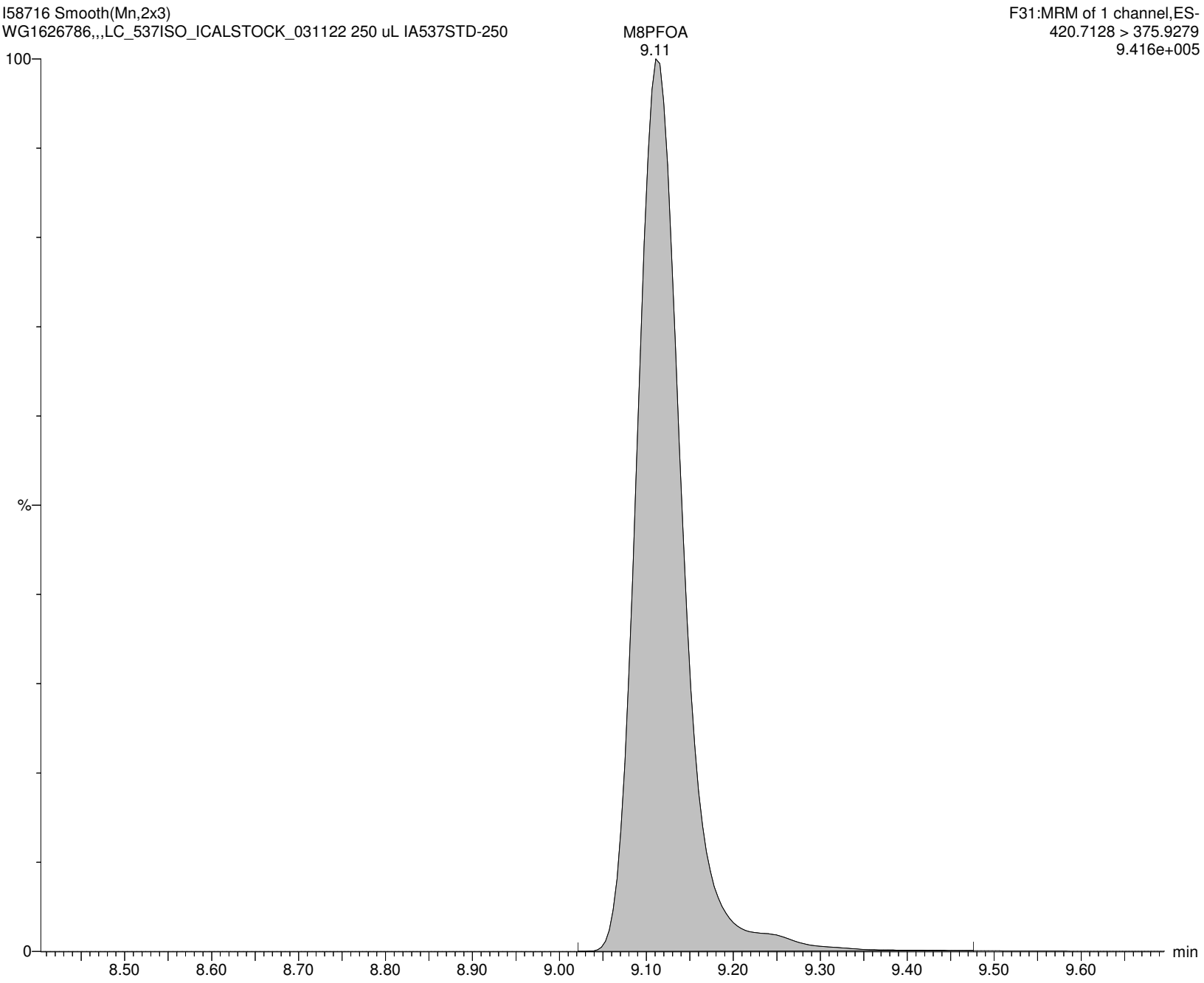


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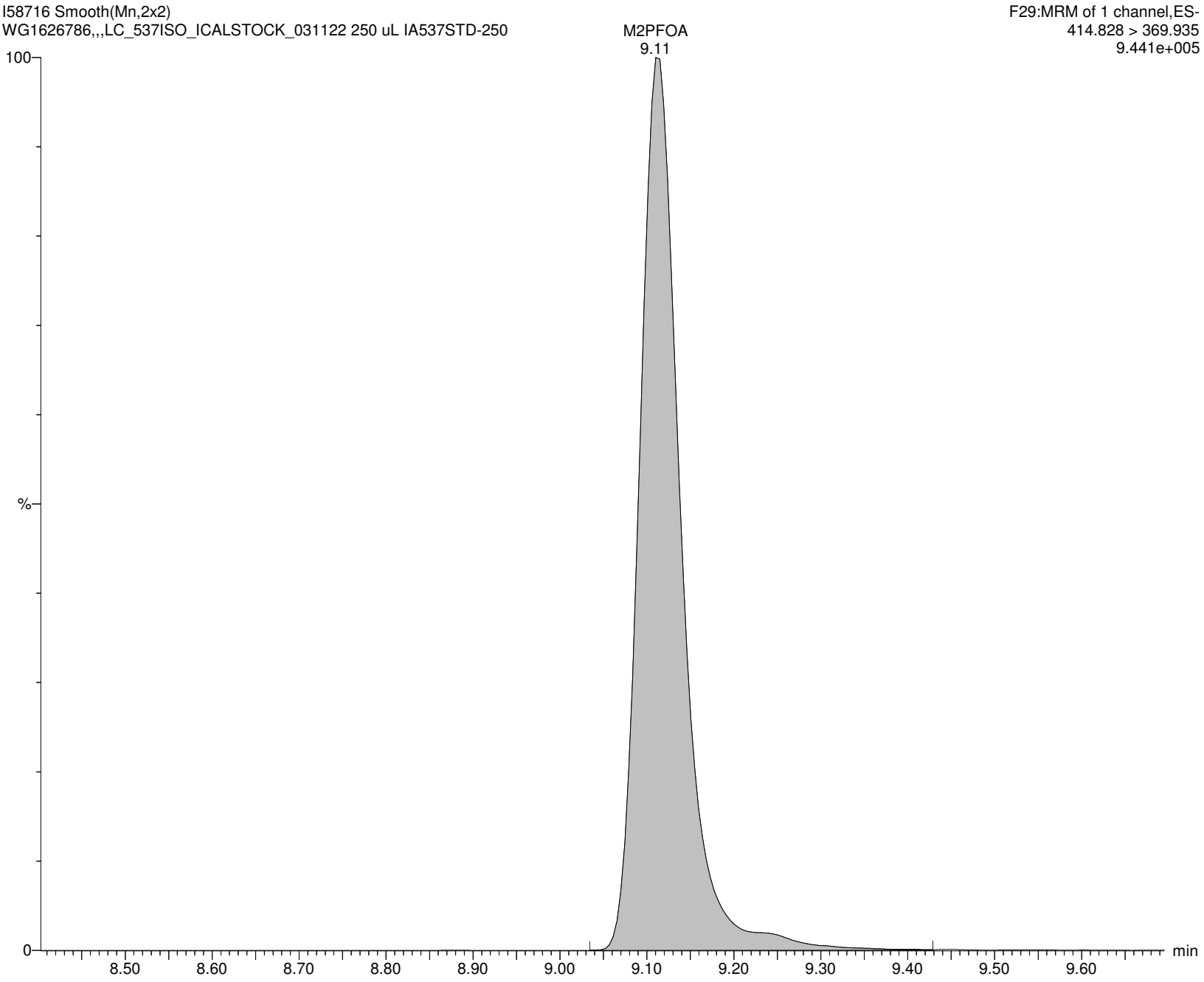


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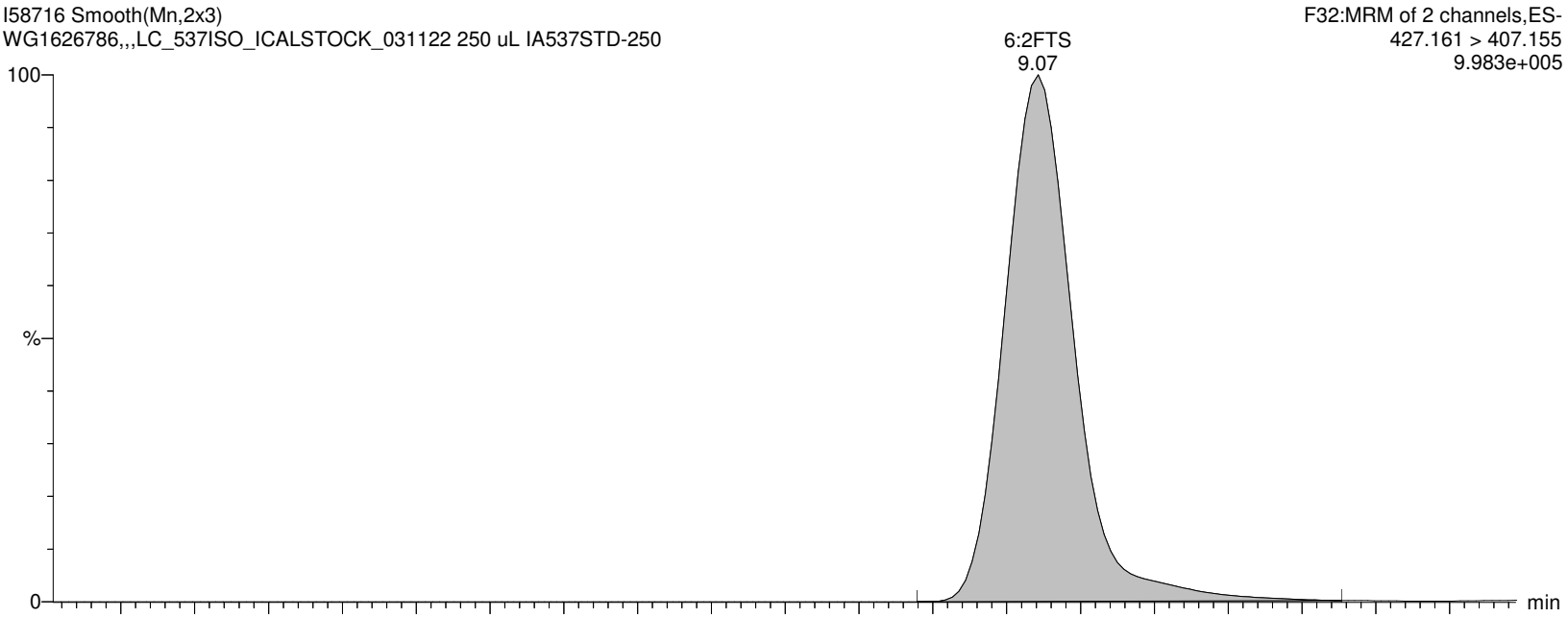


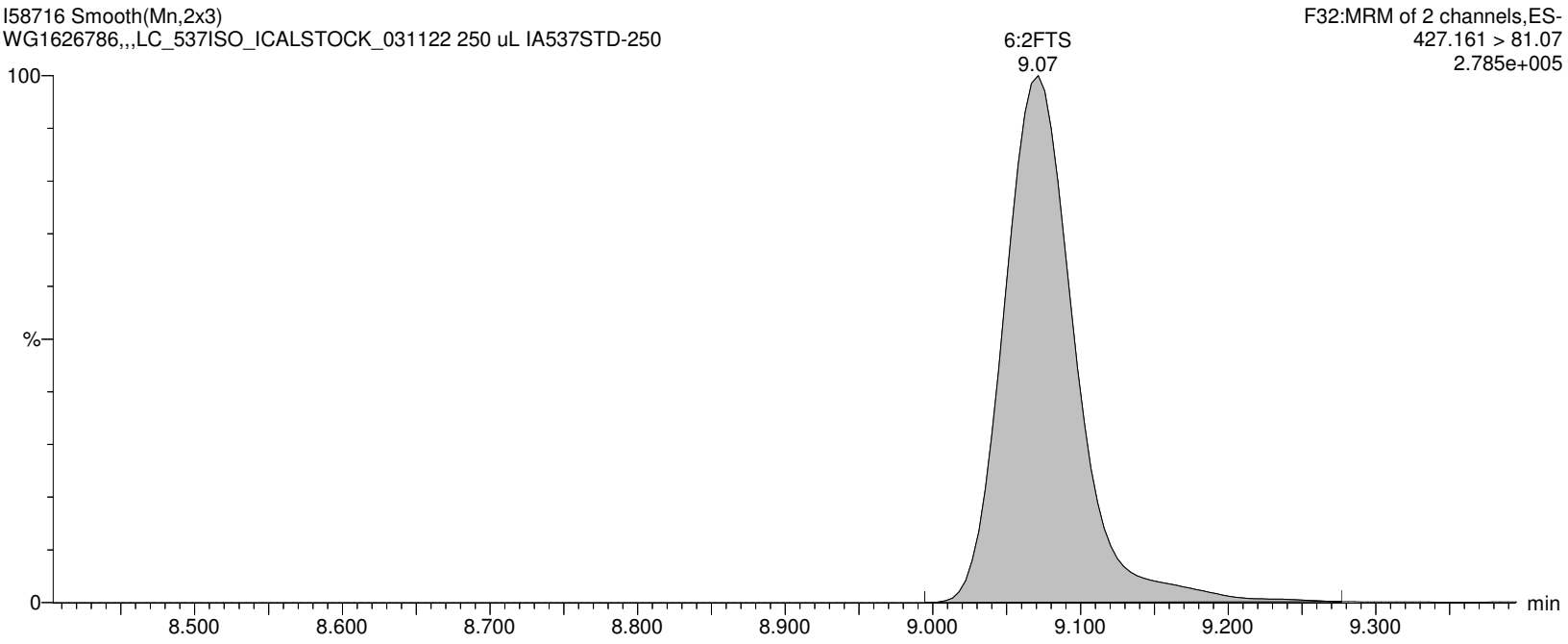
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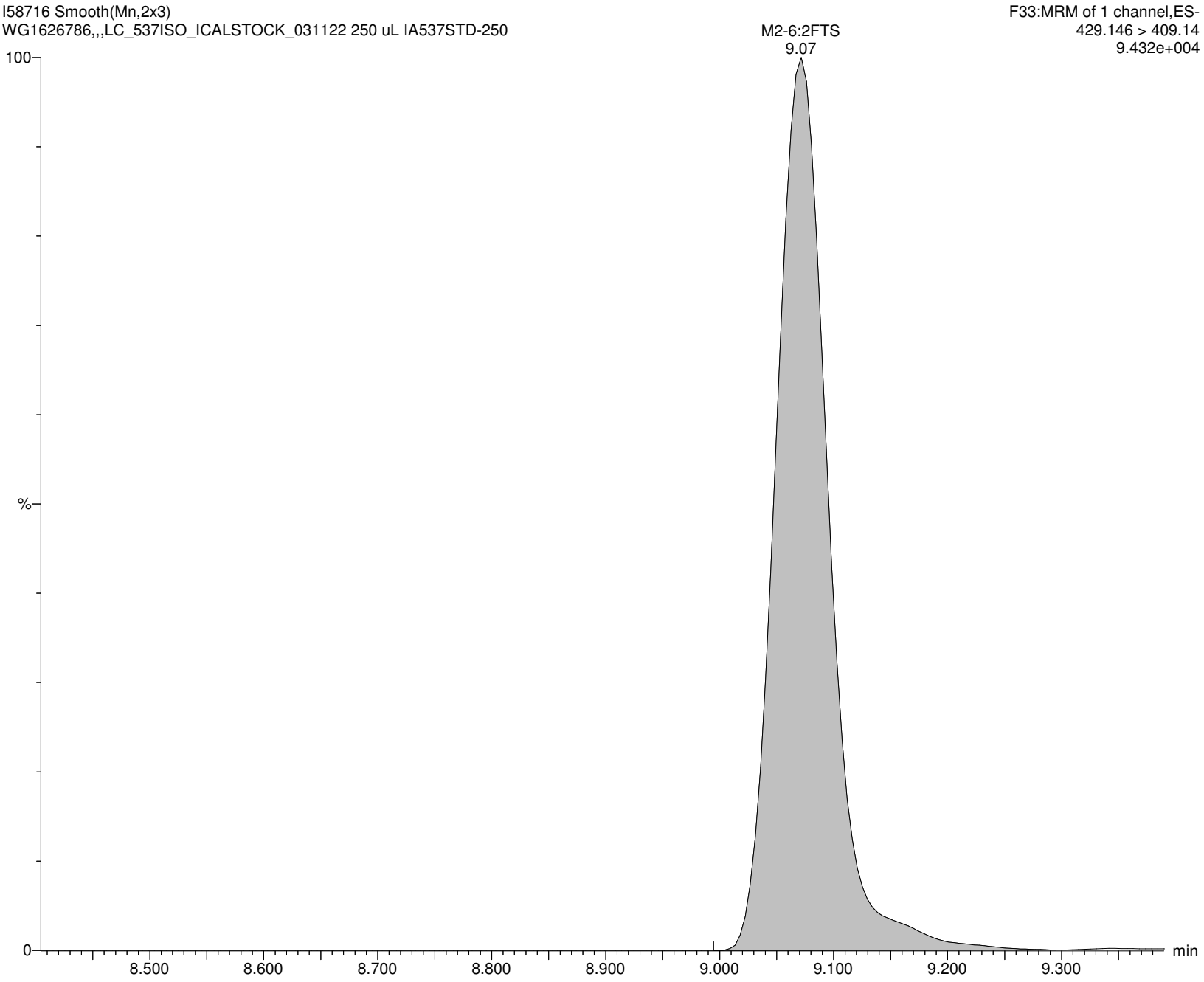


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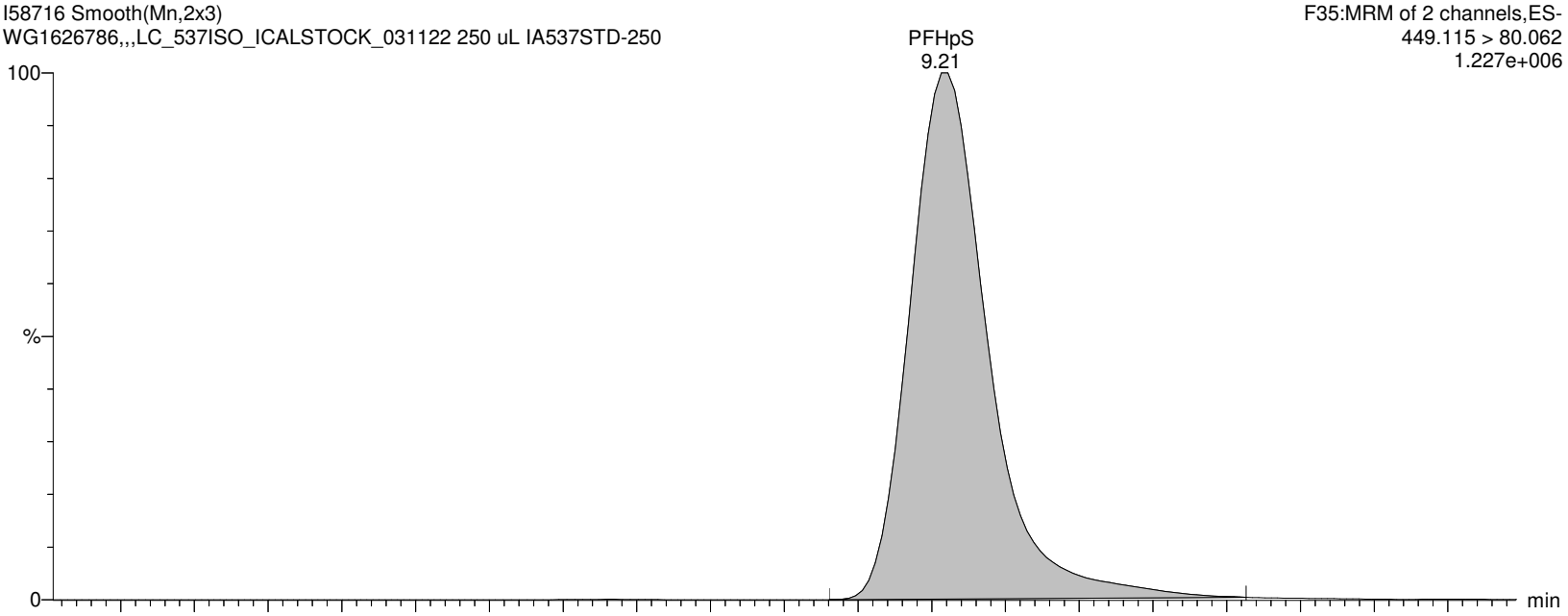


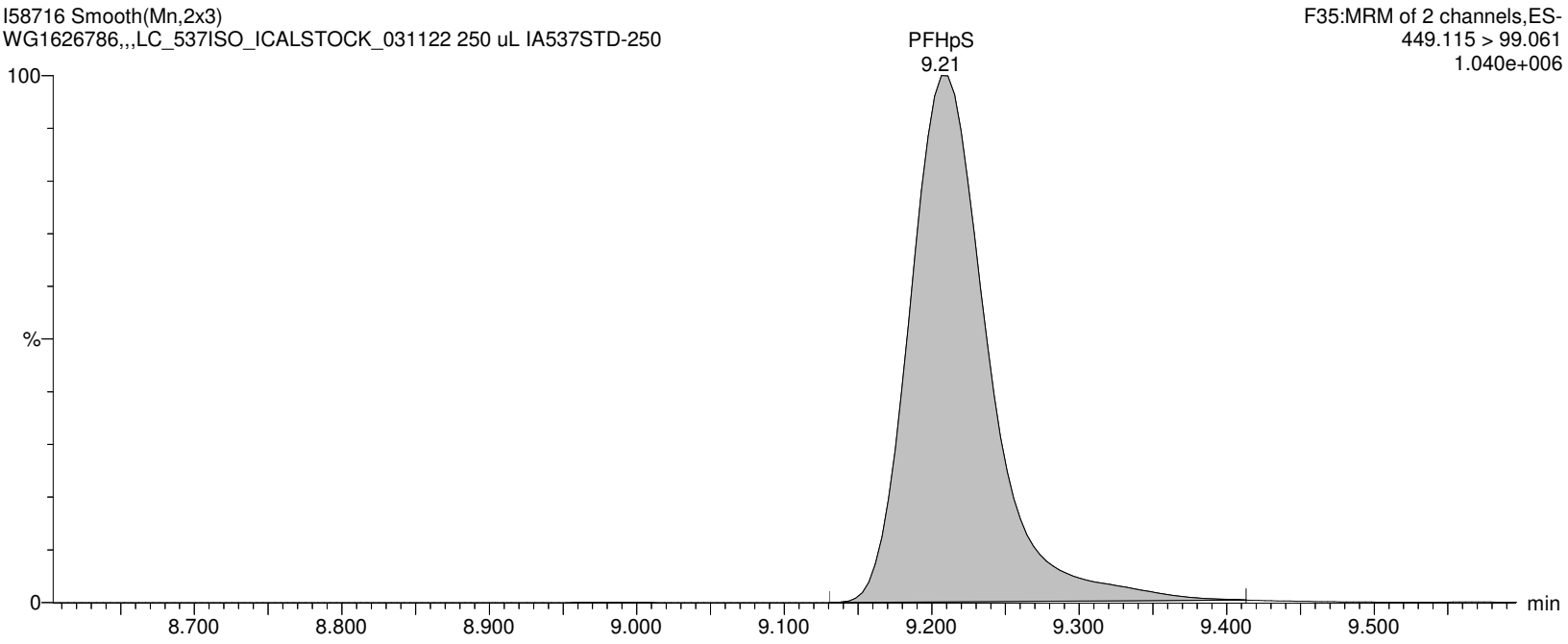
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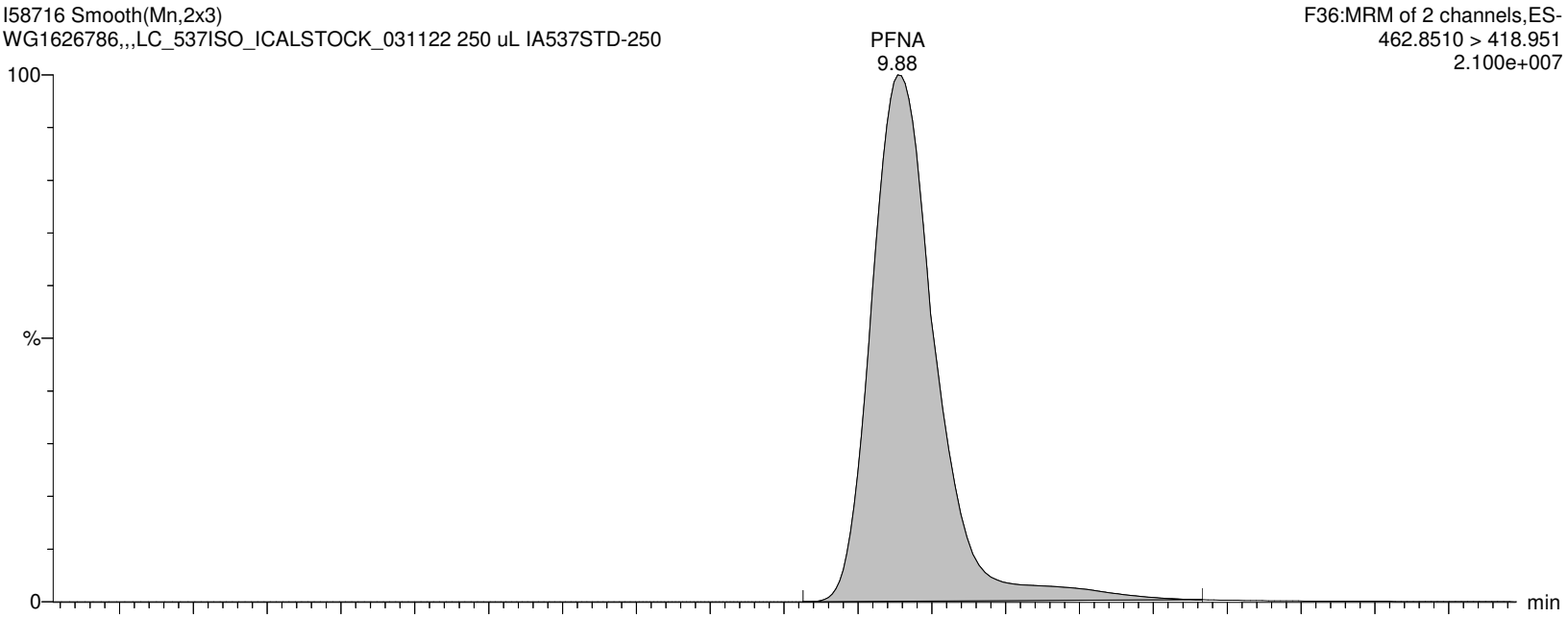


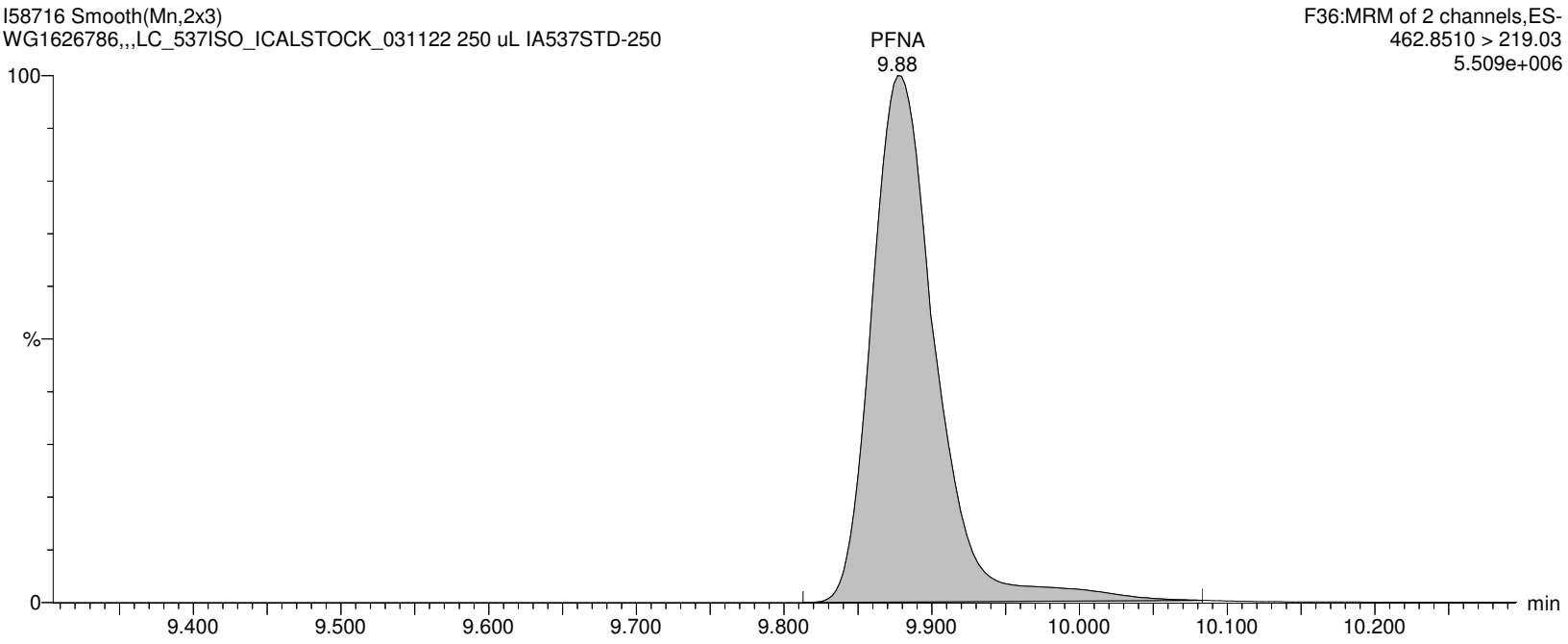
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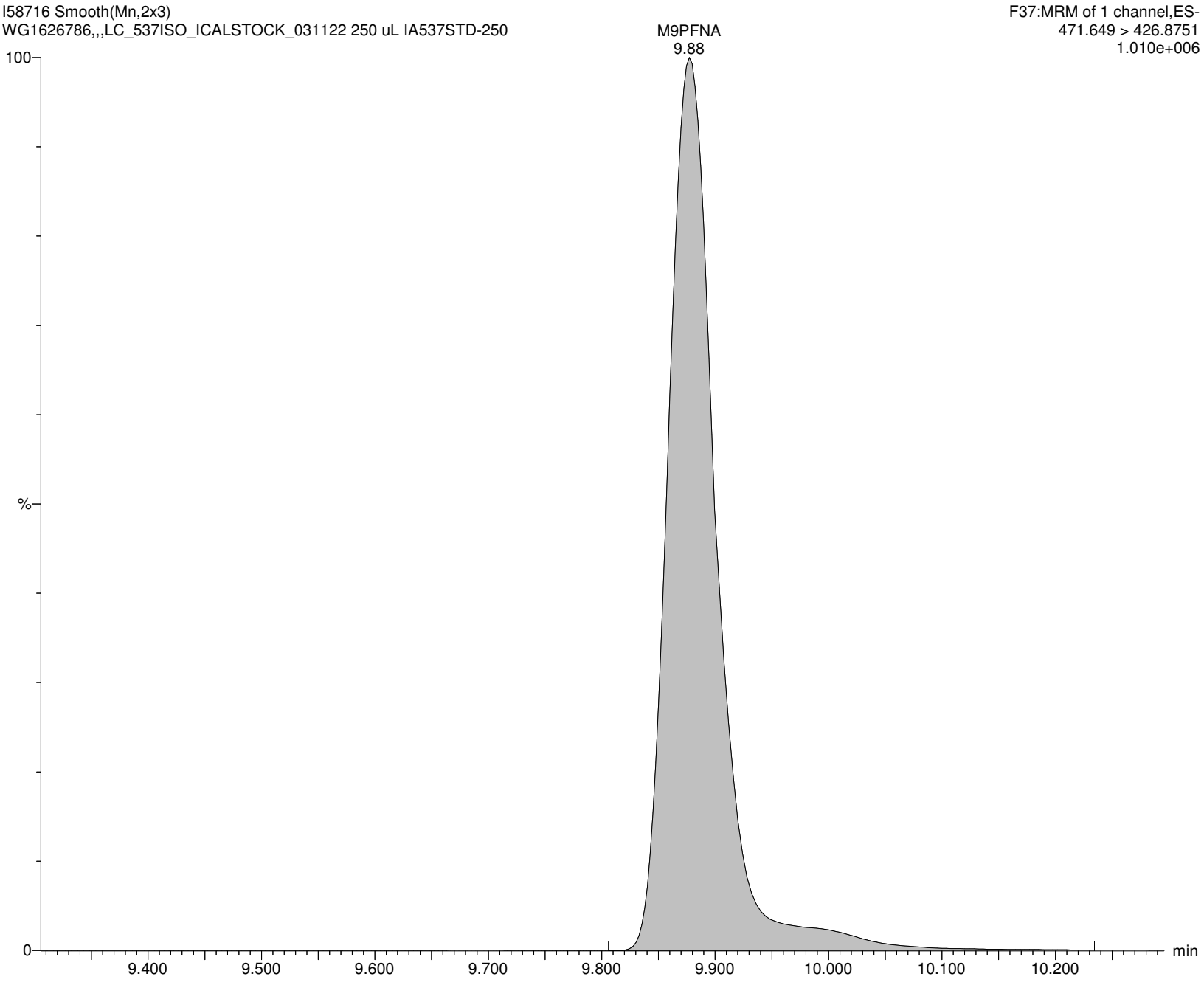


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:30 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:29:11
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 250 uL
User: LCMS02:MP
Vial: 1:B,2
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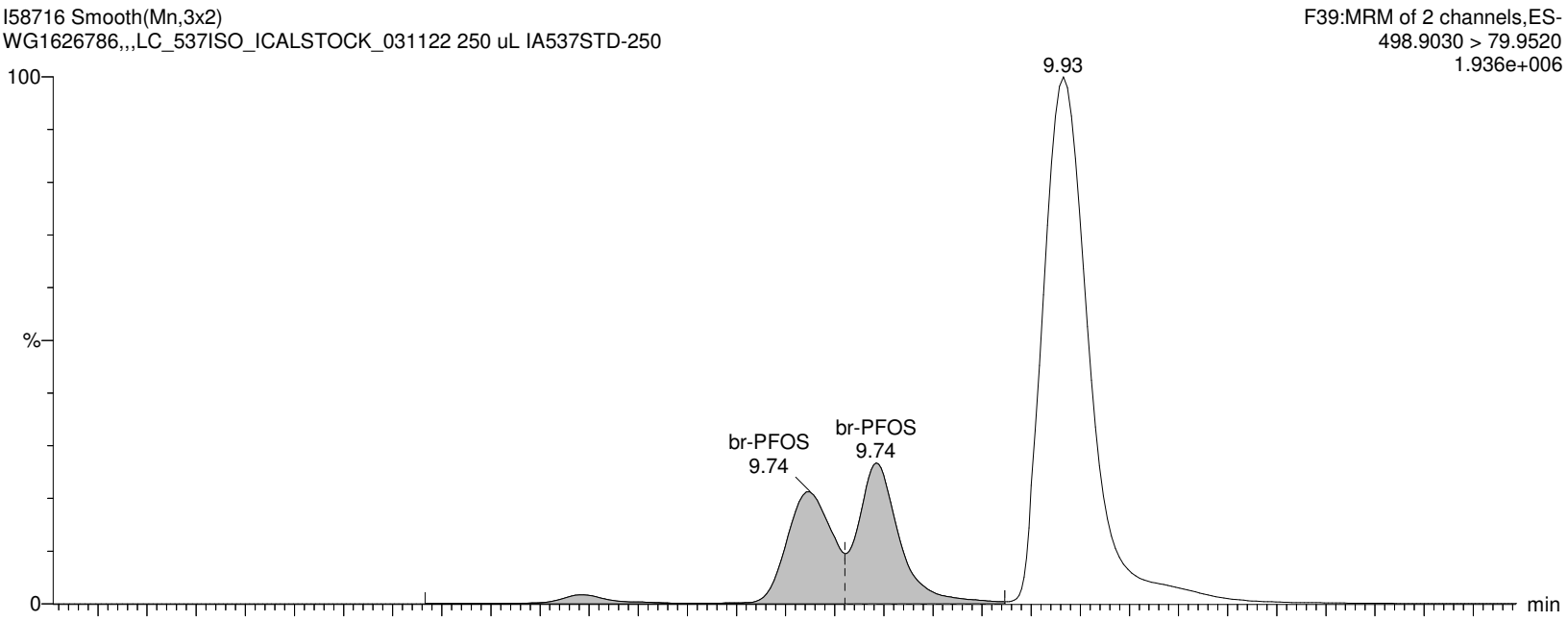


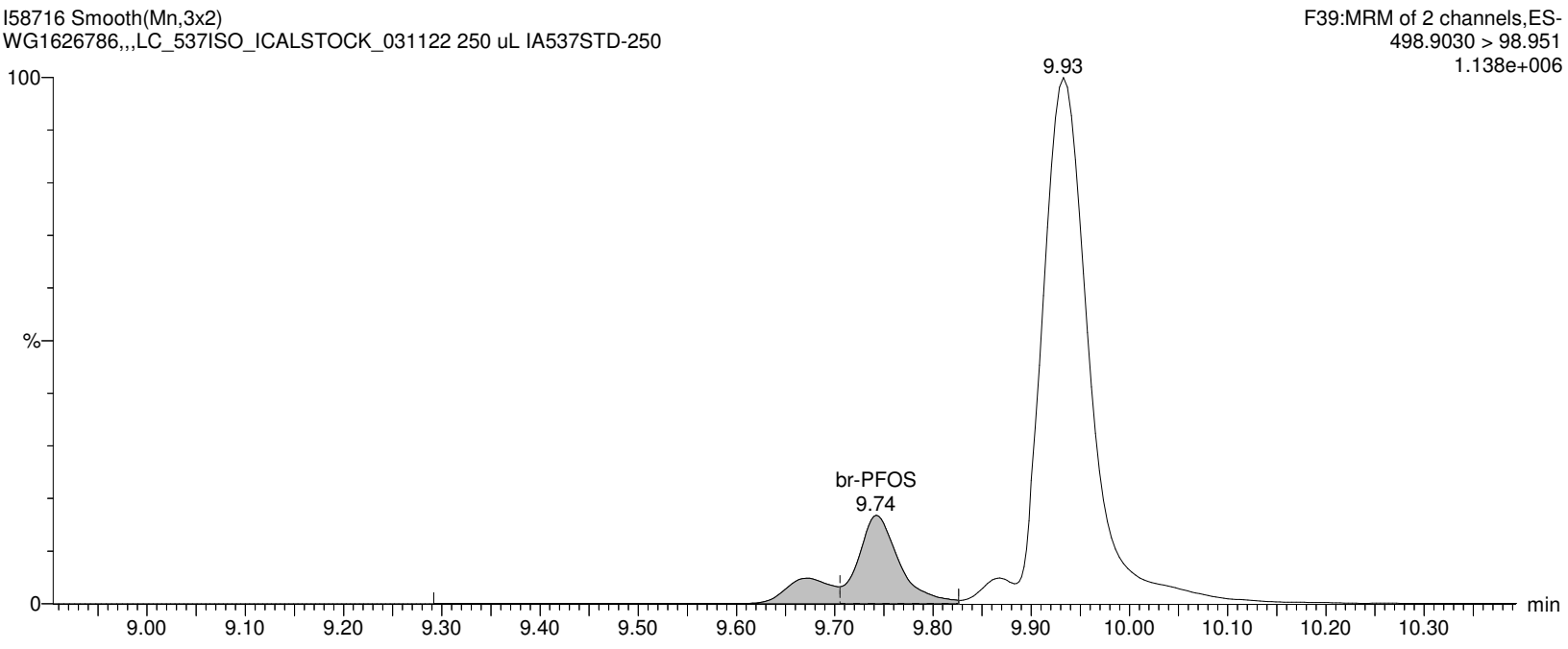
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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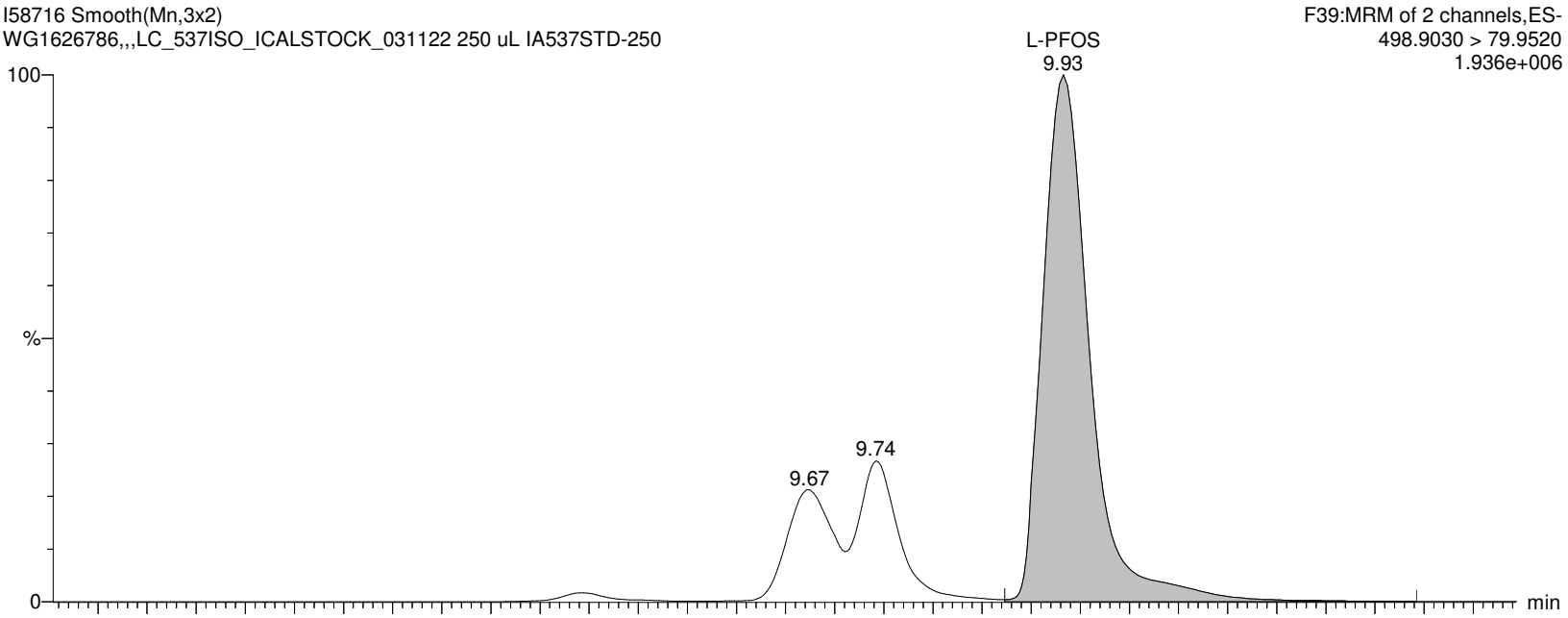


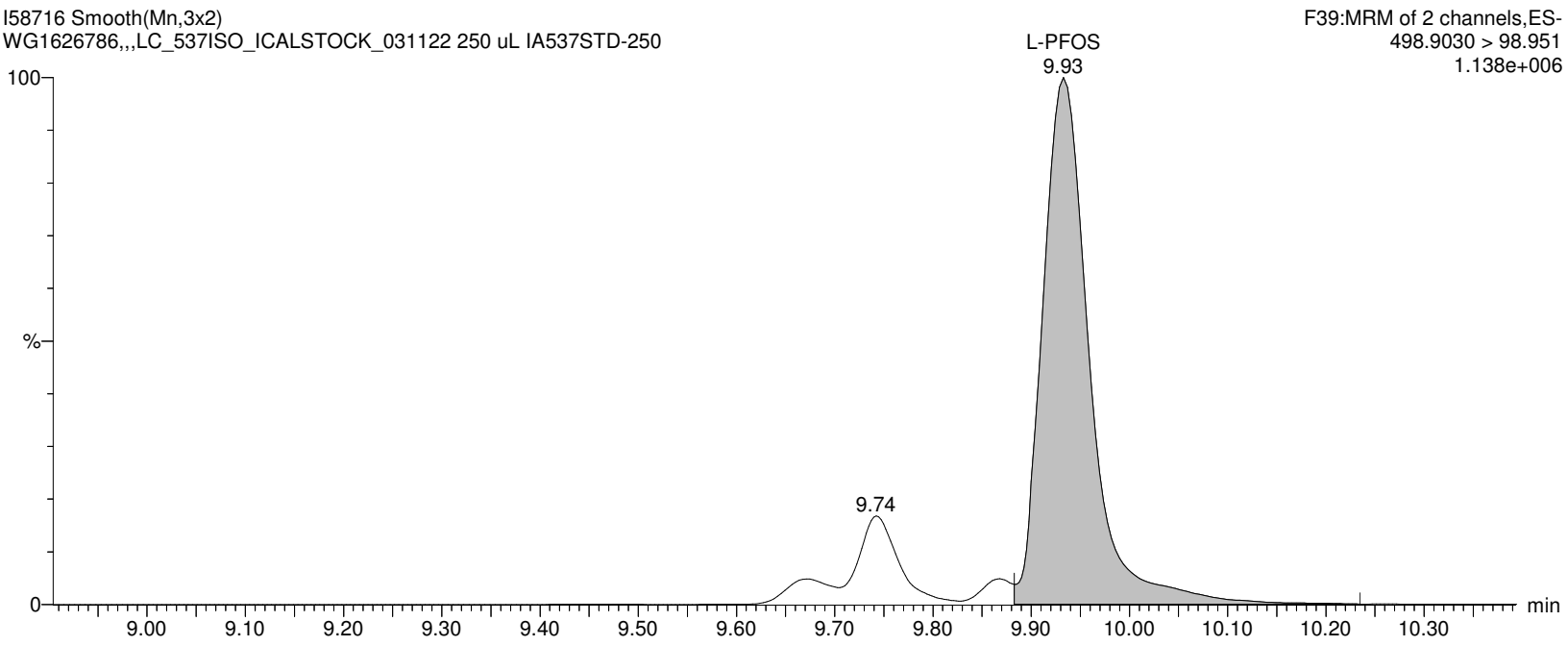
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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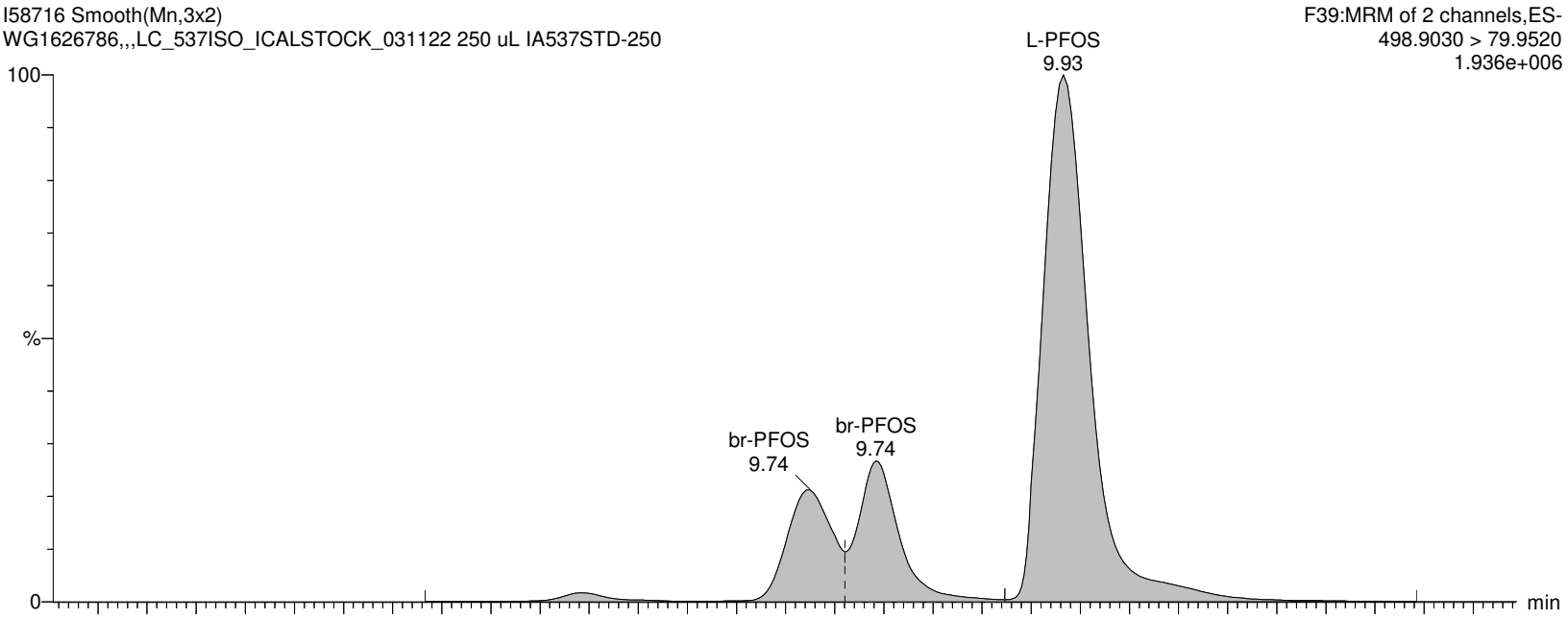


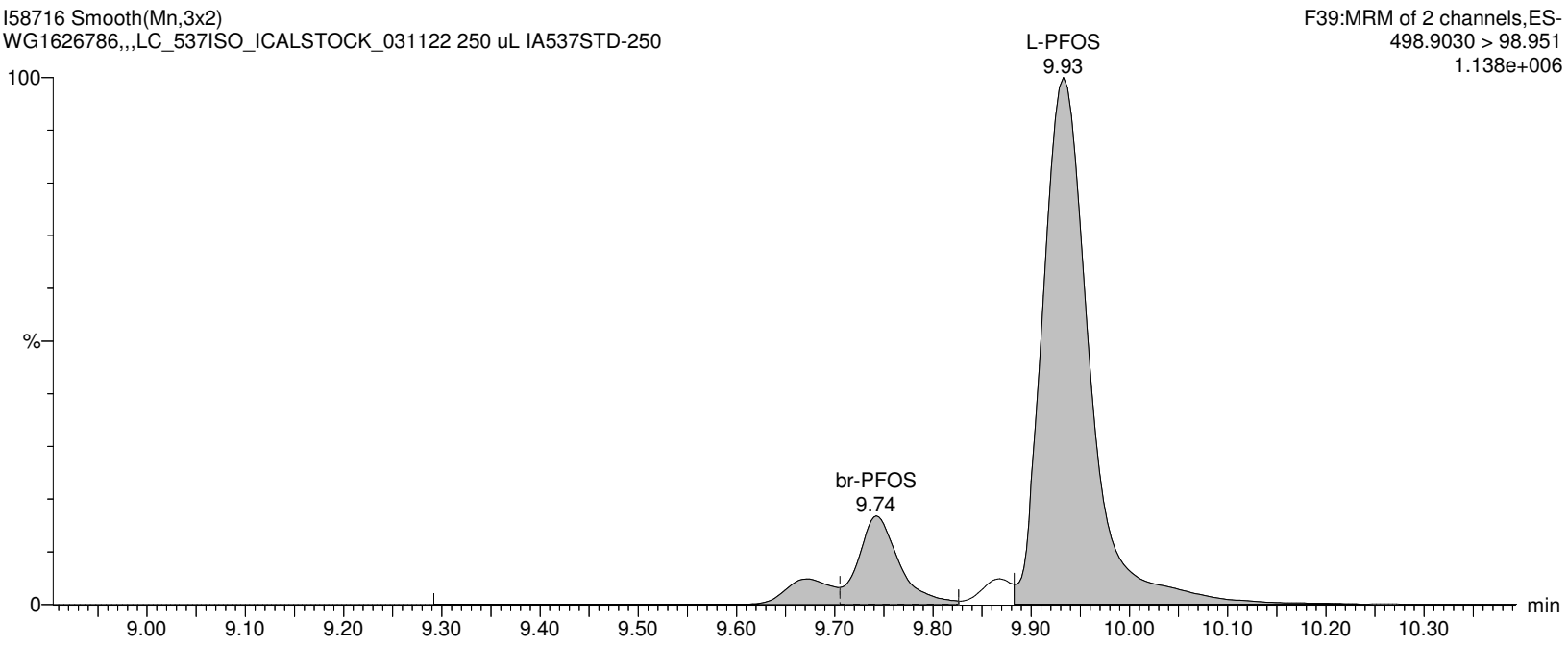
all concentration units in (ng/mL)

Alpha Analytical Inc.
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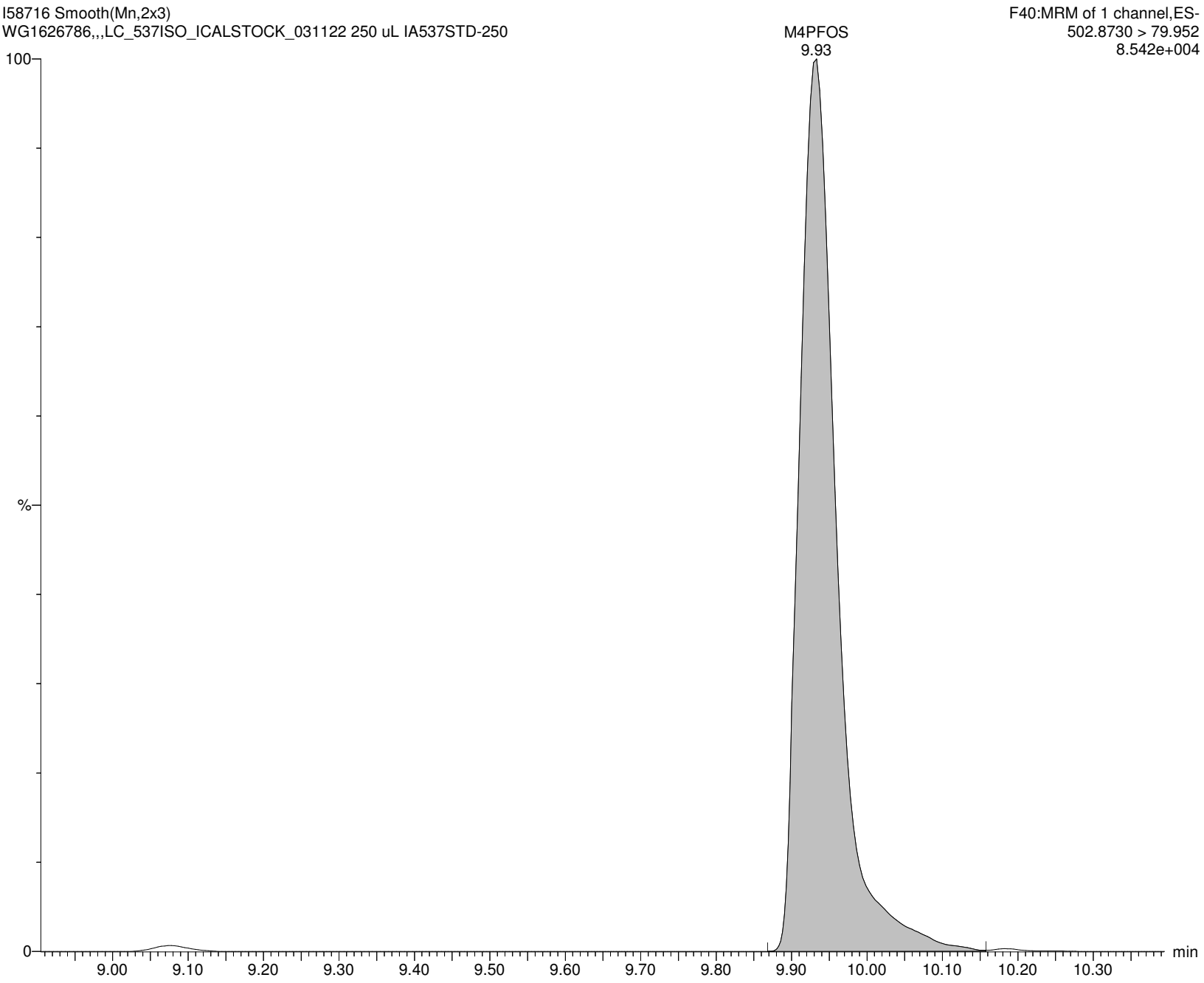


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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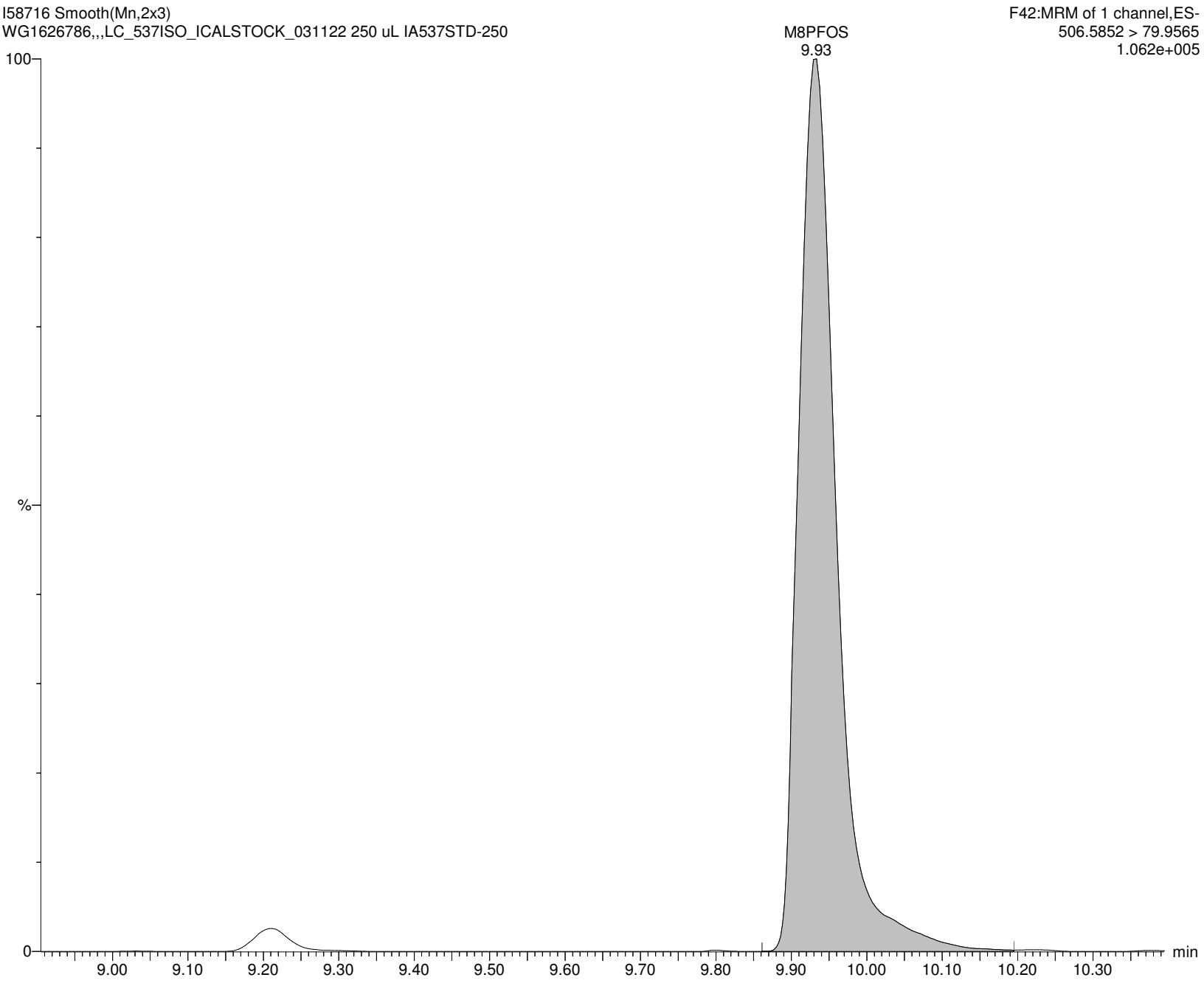


all concentration units in (ng/mL)

Alpha Analytical Inc.
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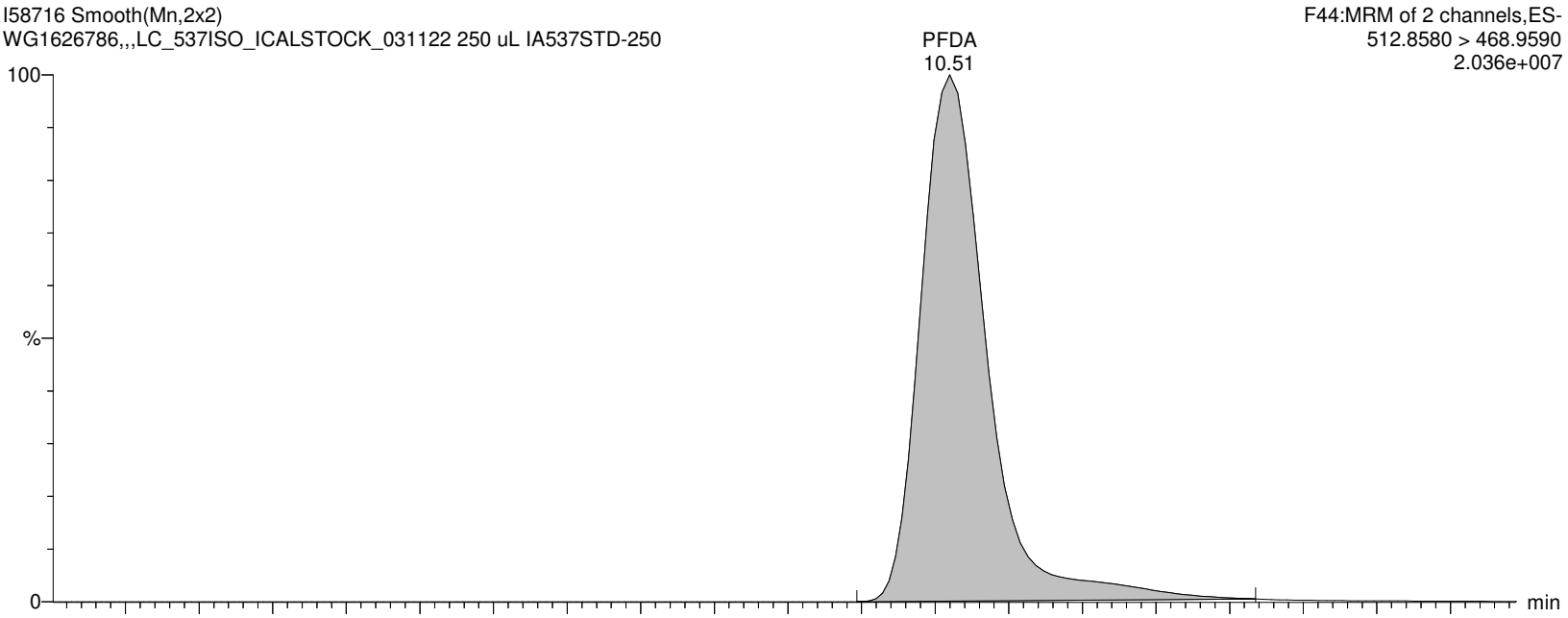


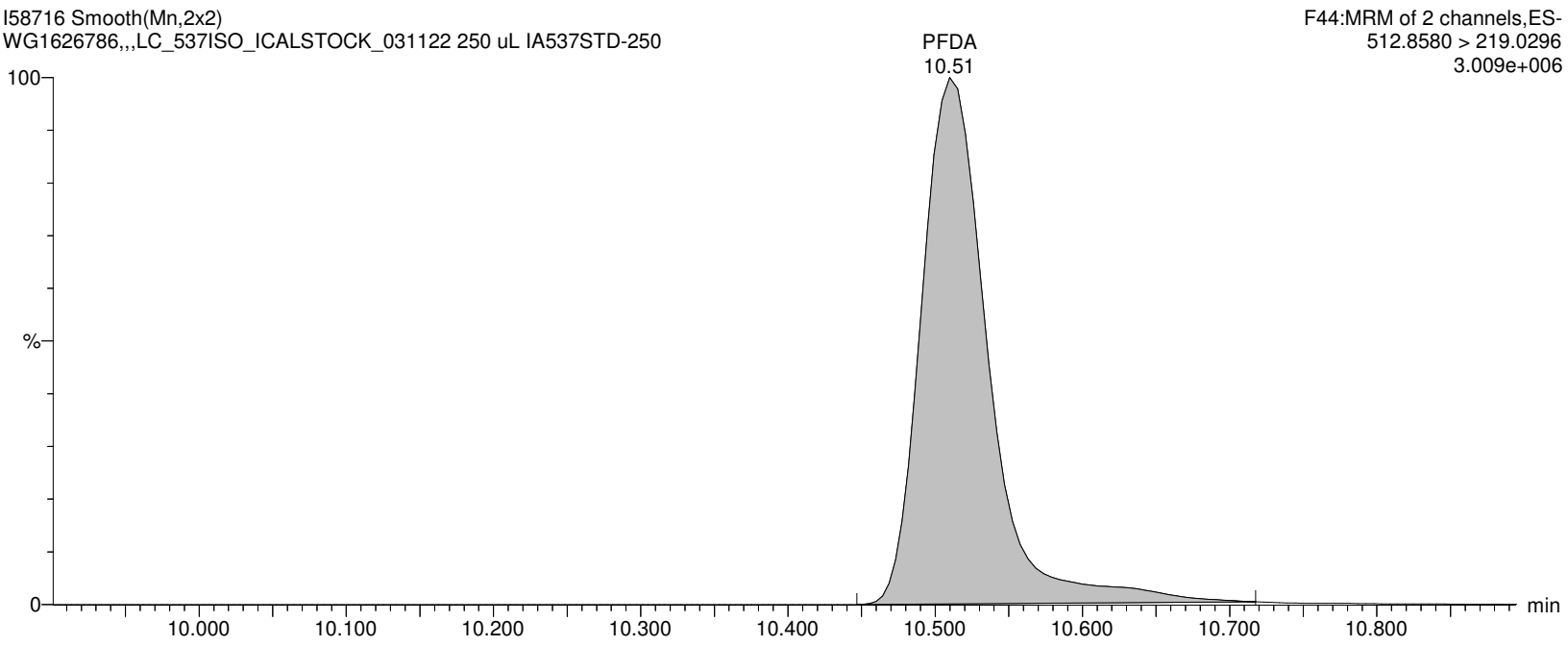
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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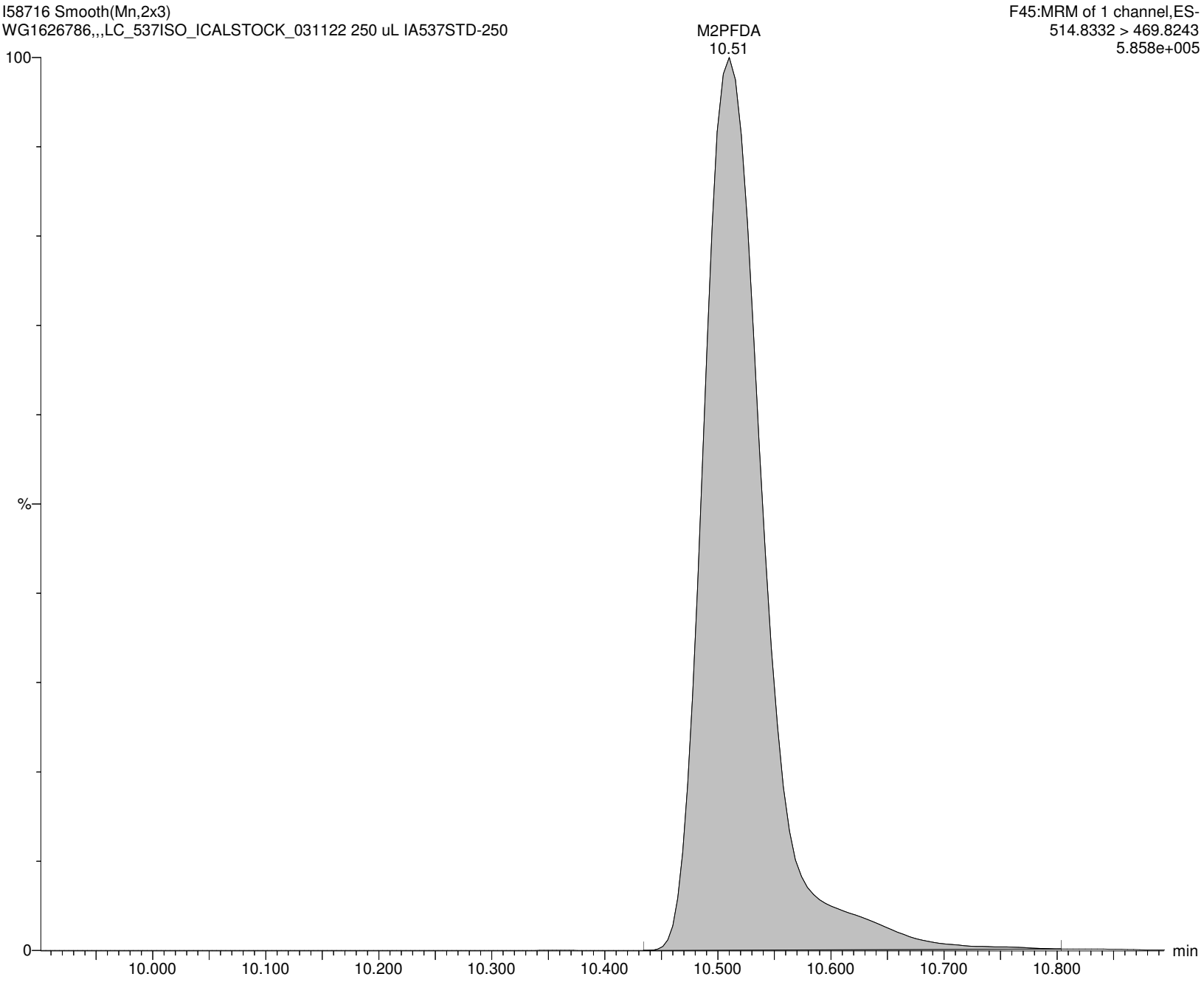


all concentration units in (ng/mL)

Alpha Analytical Inc.
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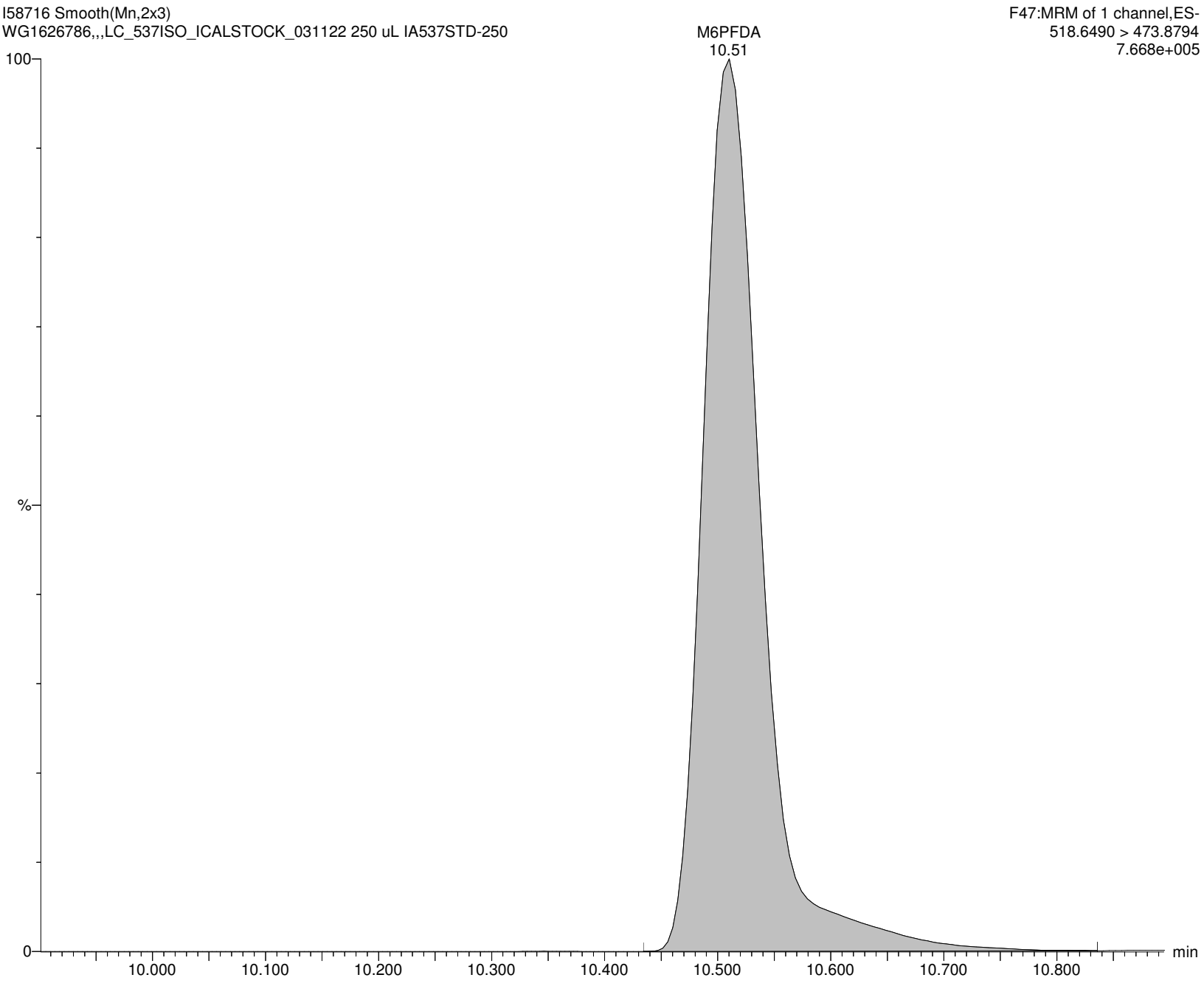


all concentration units in (ng/mL)

Alpha Analytical Inc.
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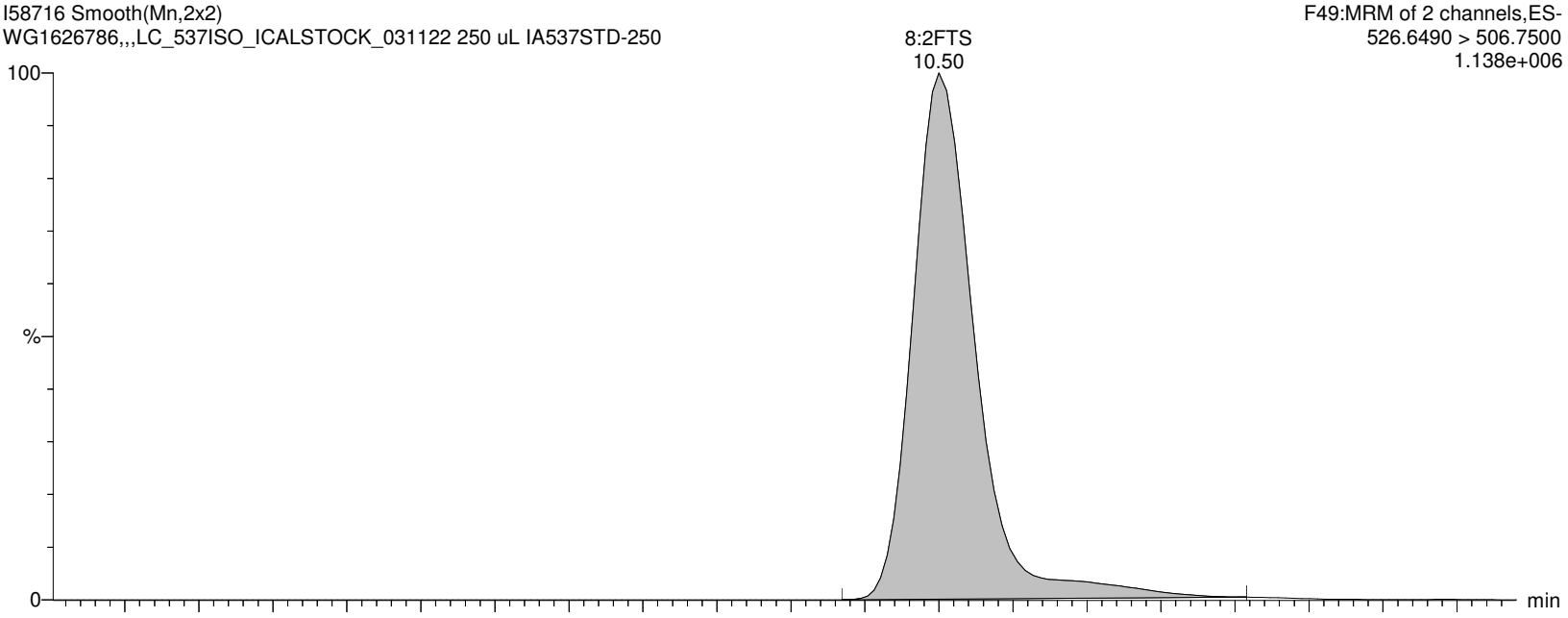


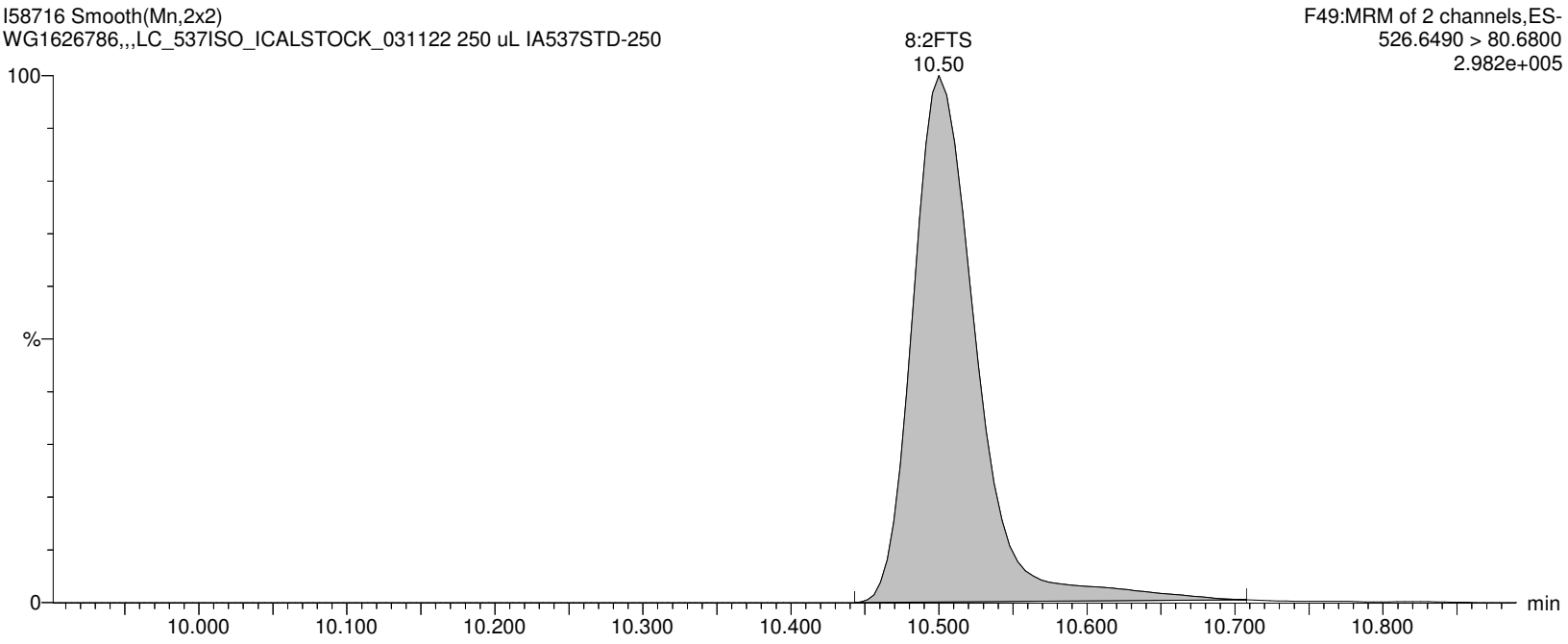
all concentration units in (ng/mL)

Alpha Analytical Inc.
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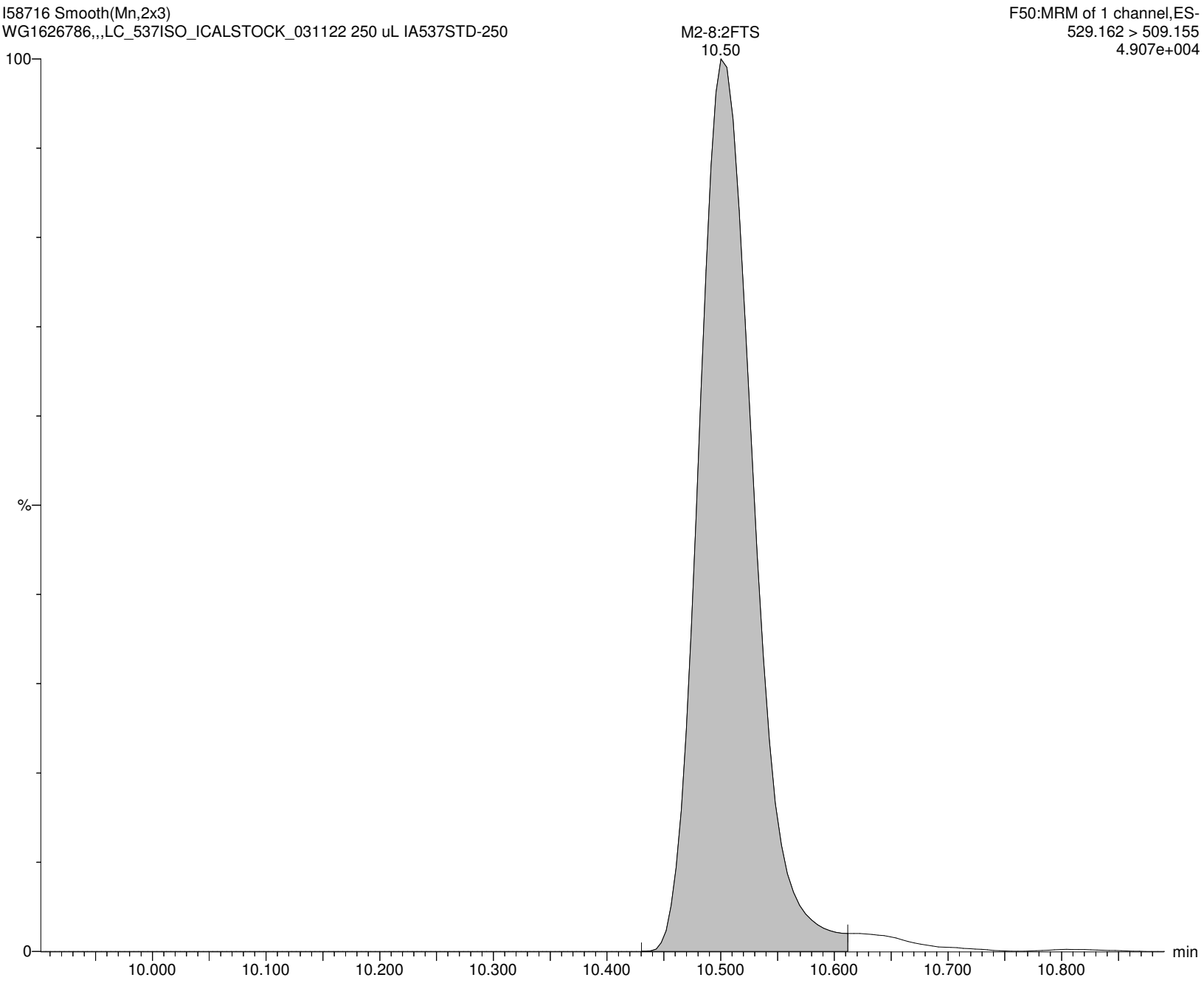


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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M2-8:2FTS

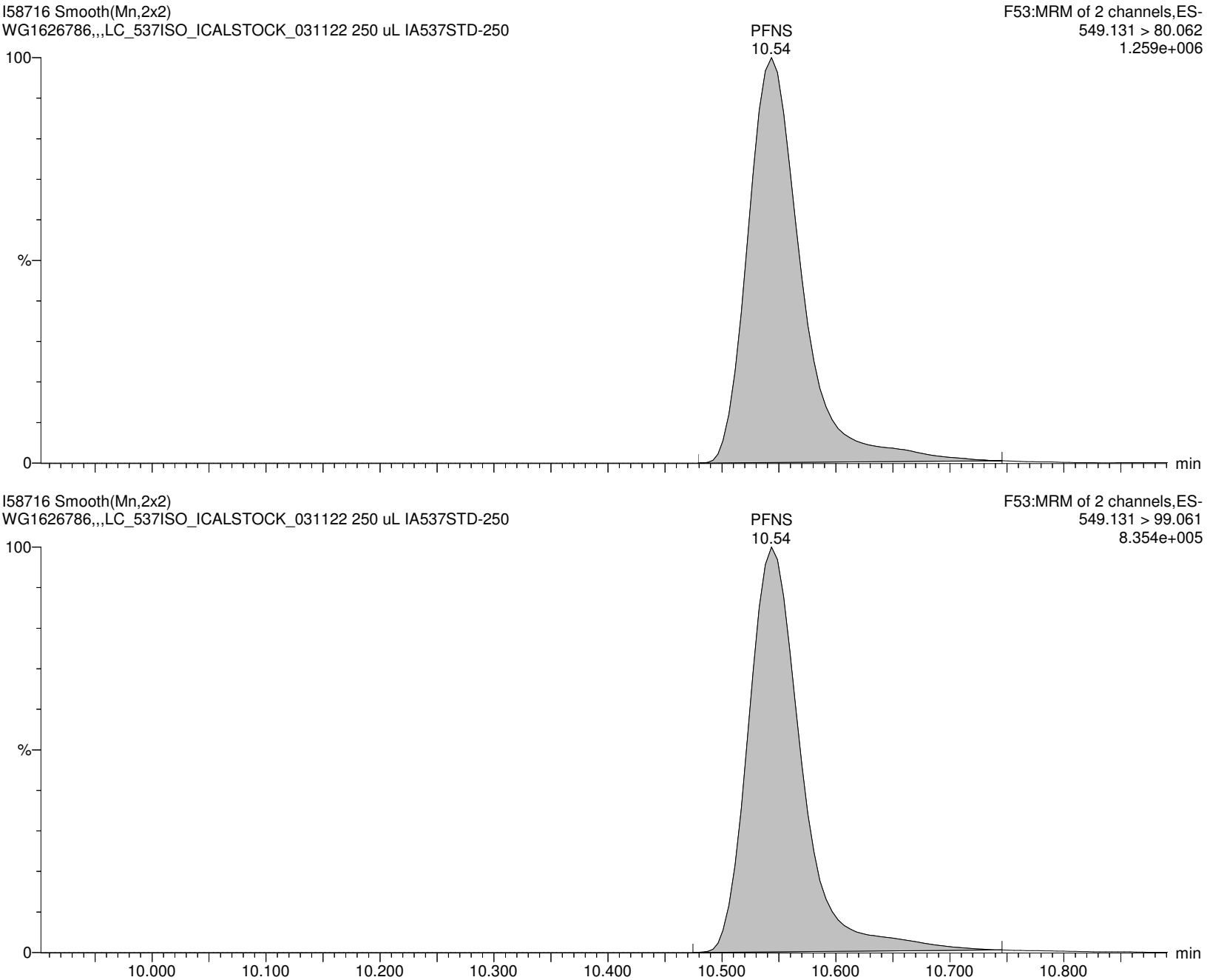


all concentration units in (ng/mL)

Alpha Analytical Inc.
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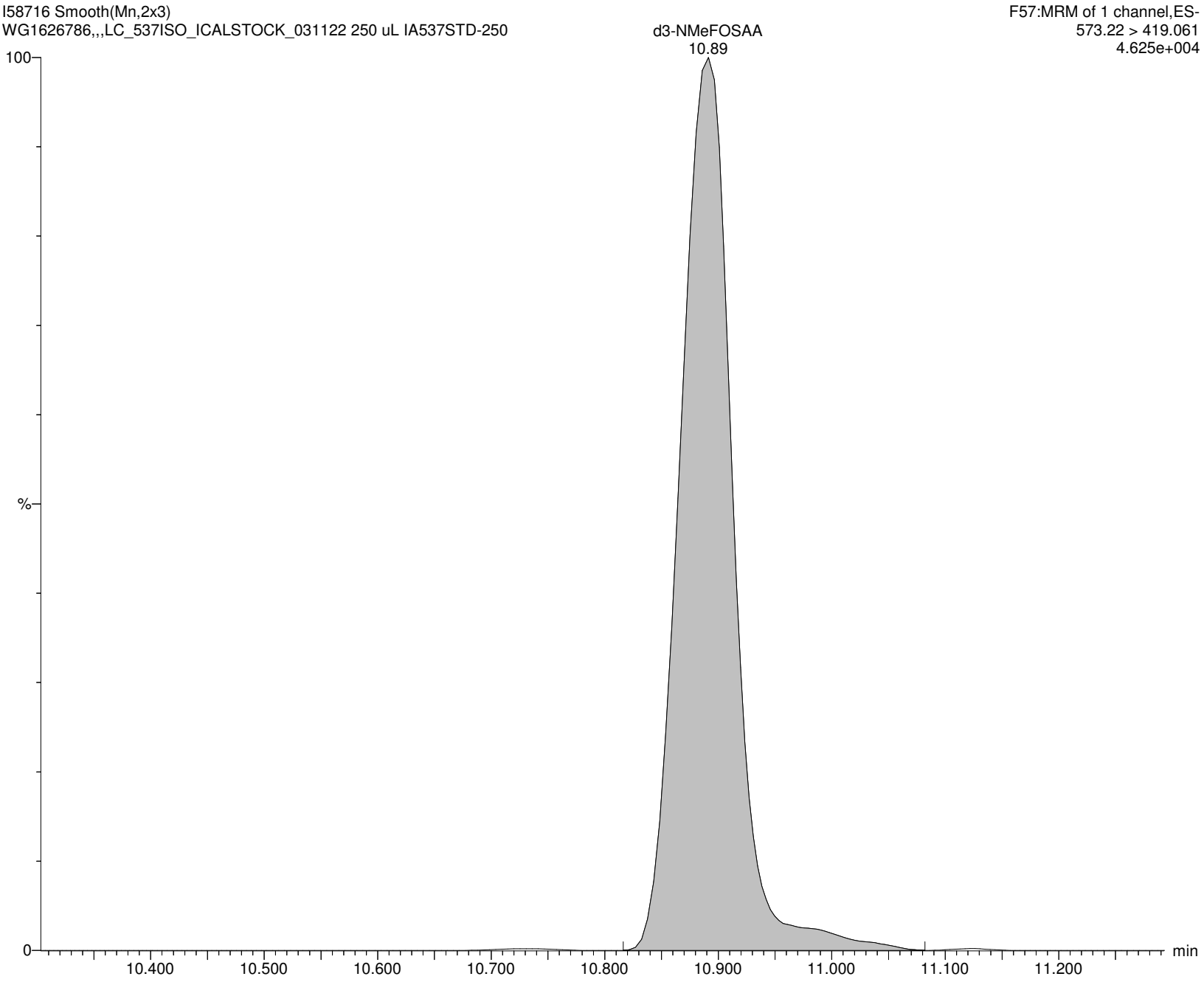


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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d3-NMeFOSAA

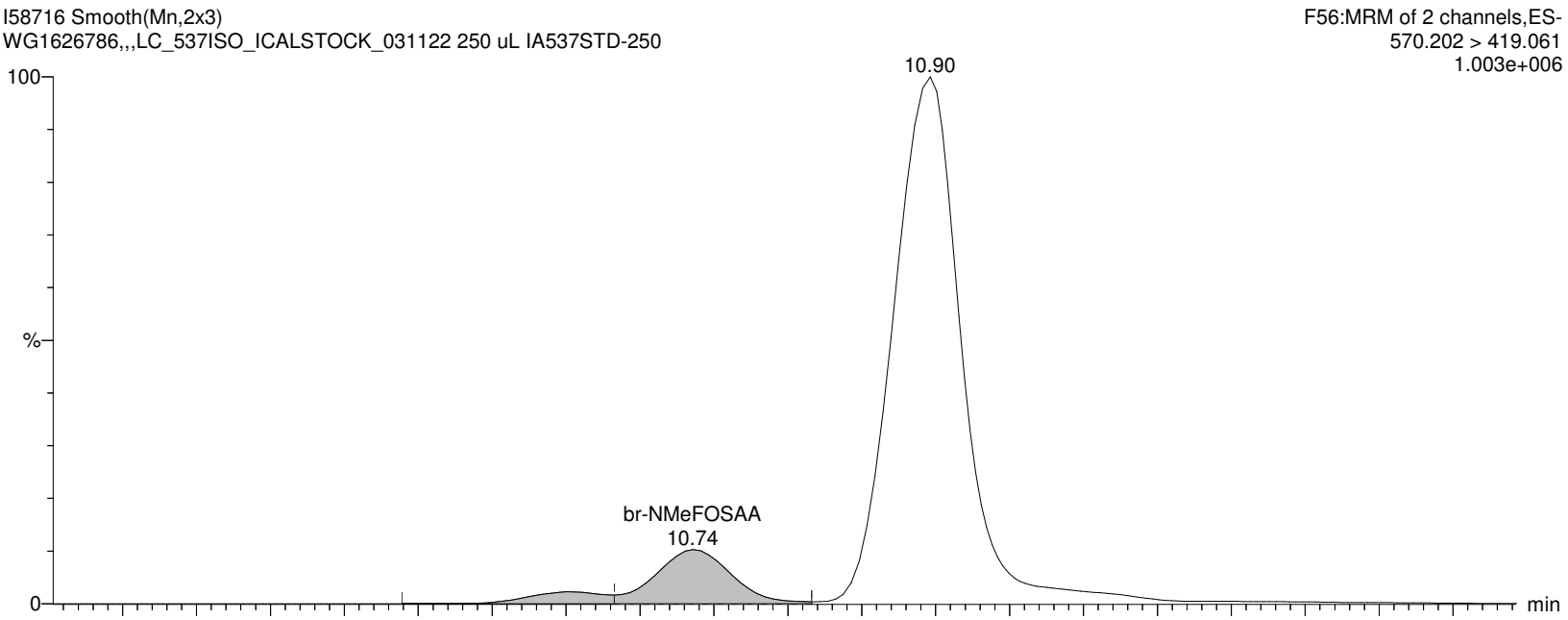


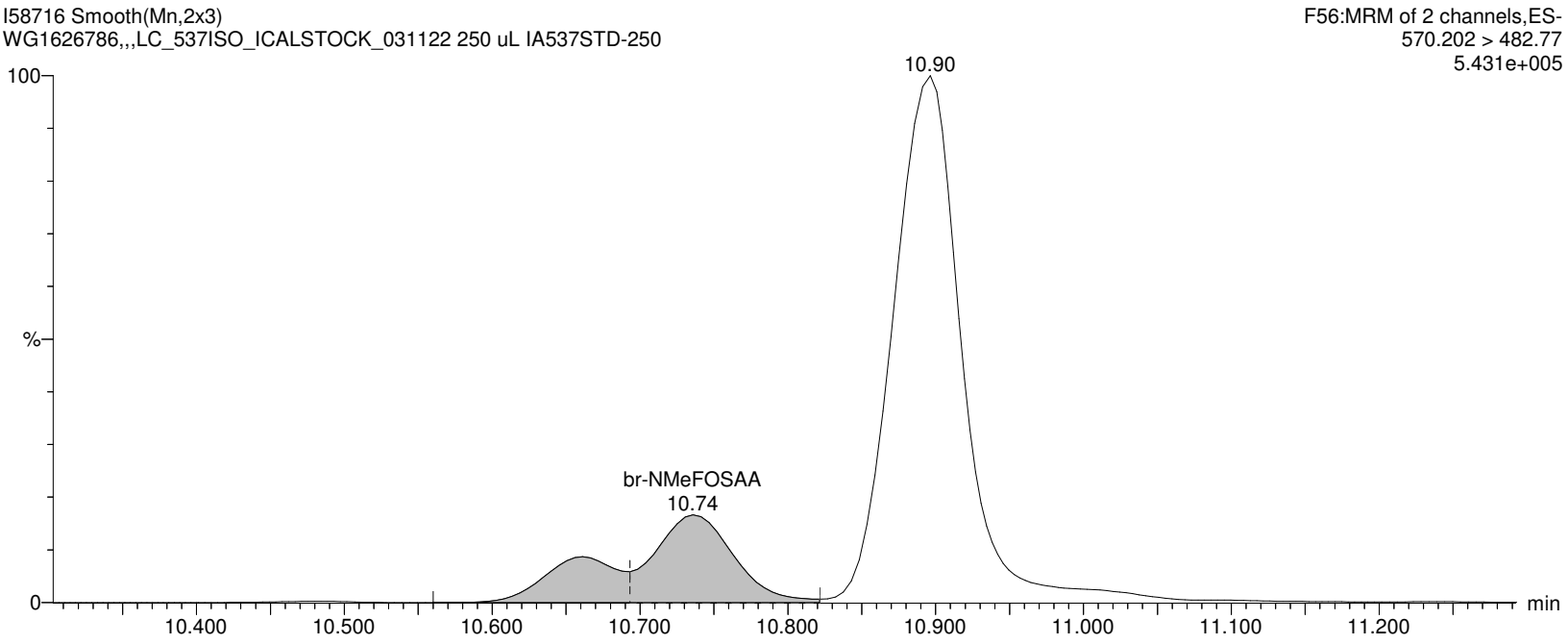
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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br-NMeFOSAA



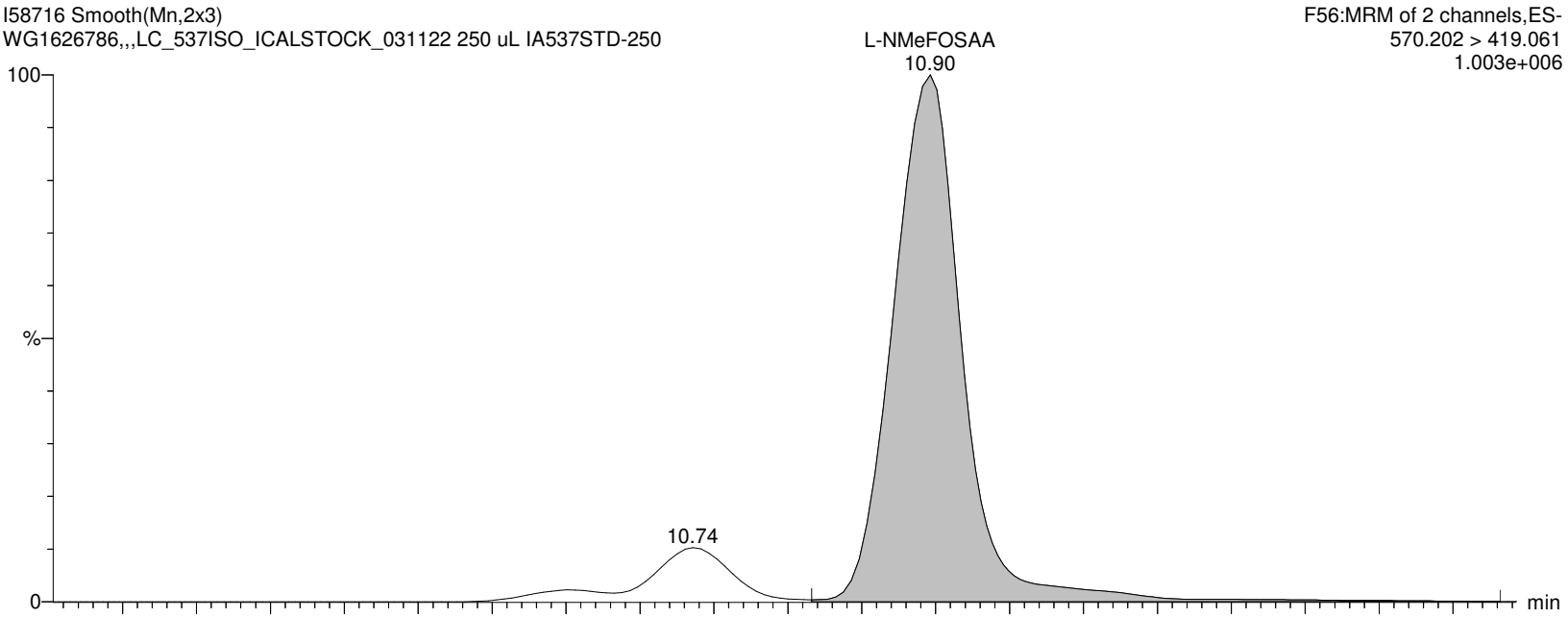


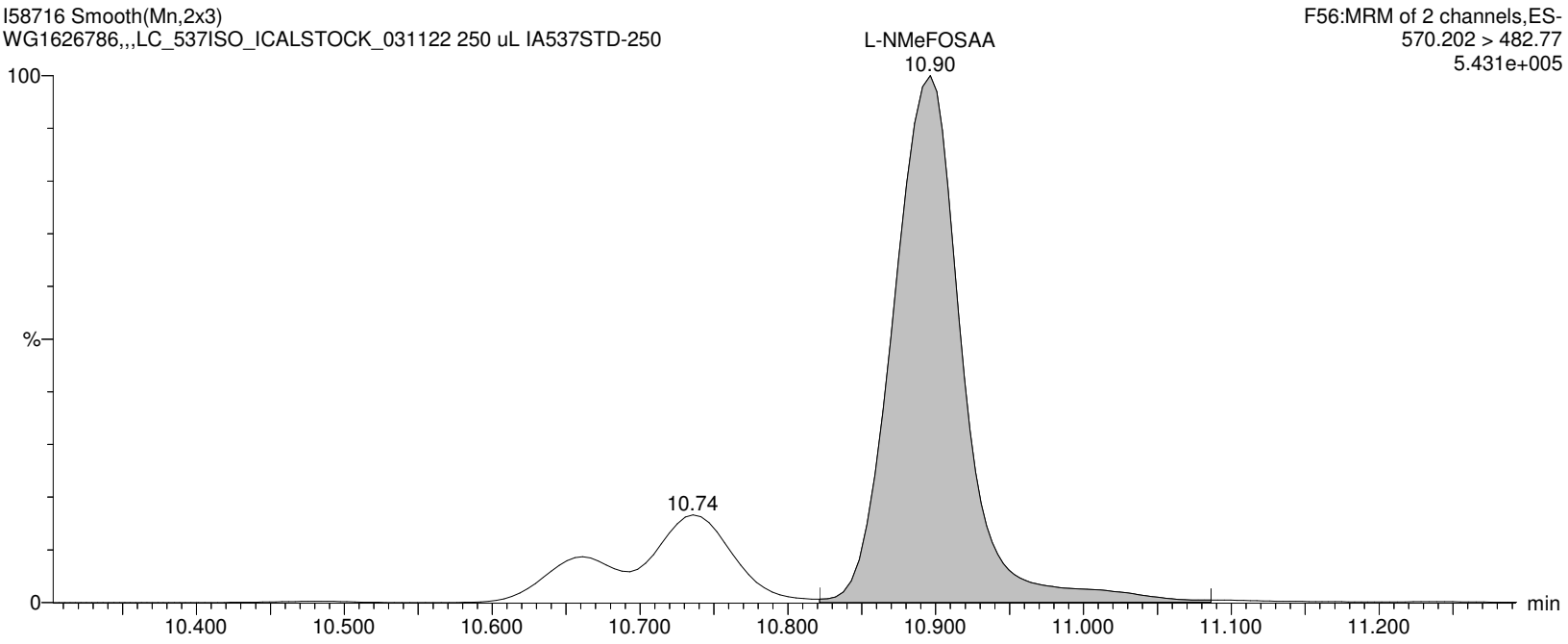
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Vial: 1:B,2
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L-NMeFOSAA



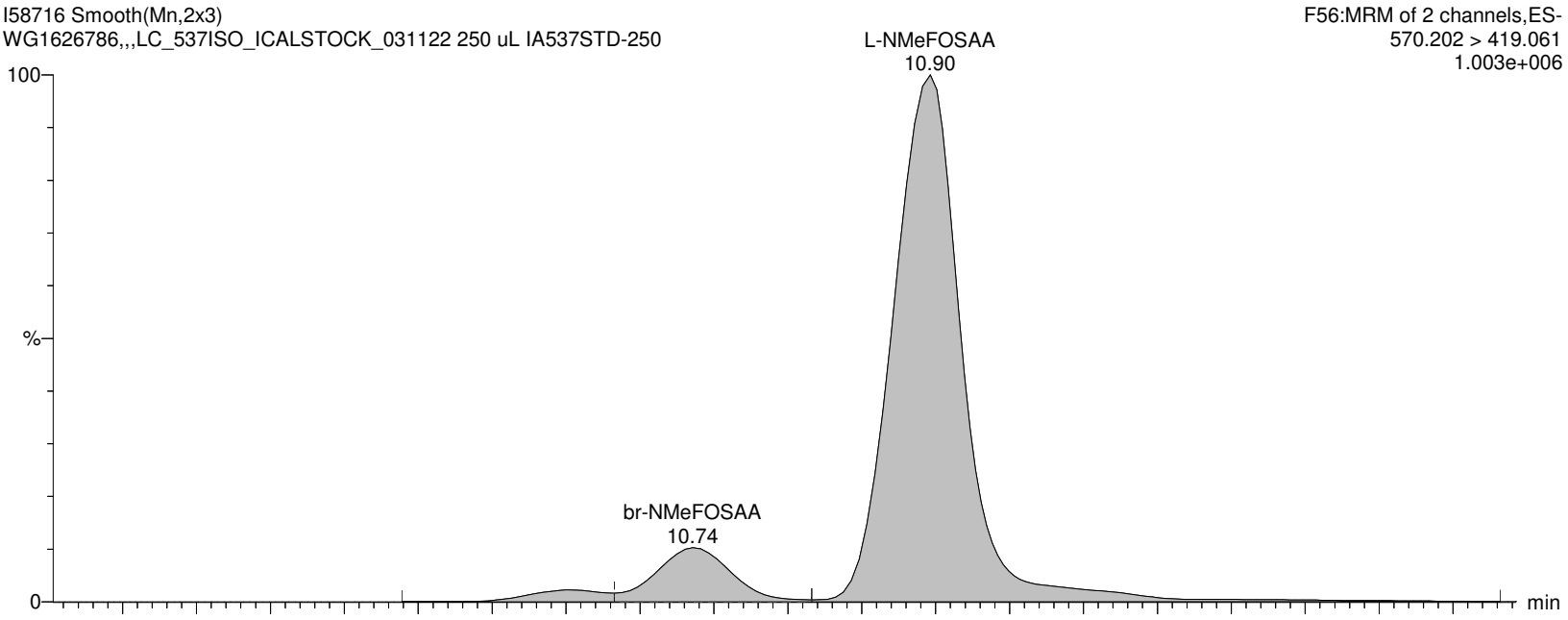


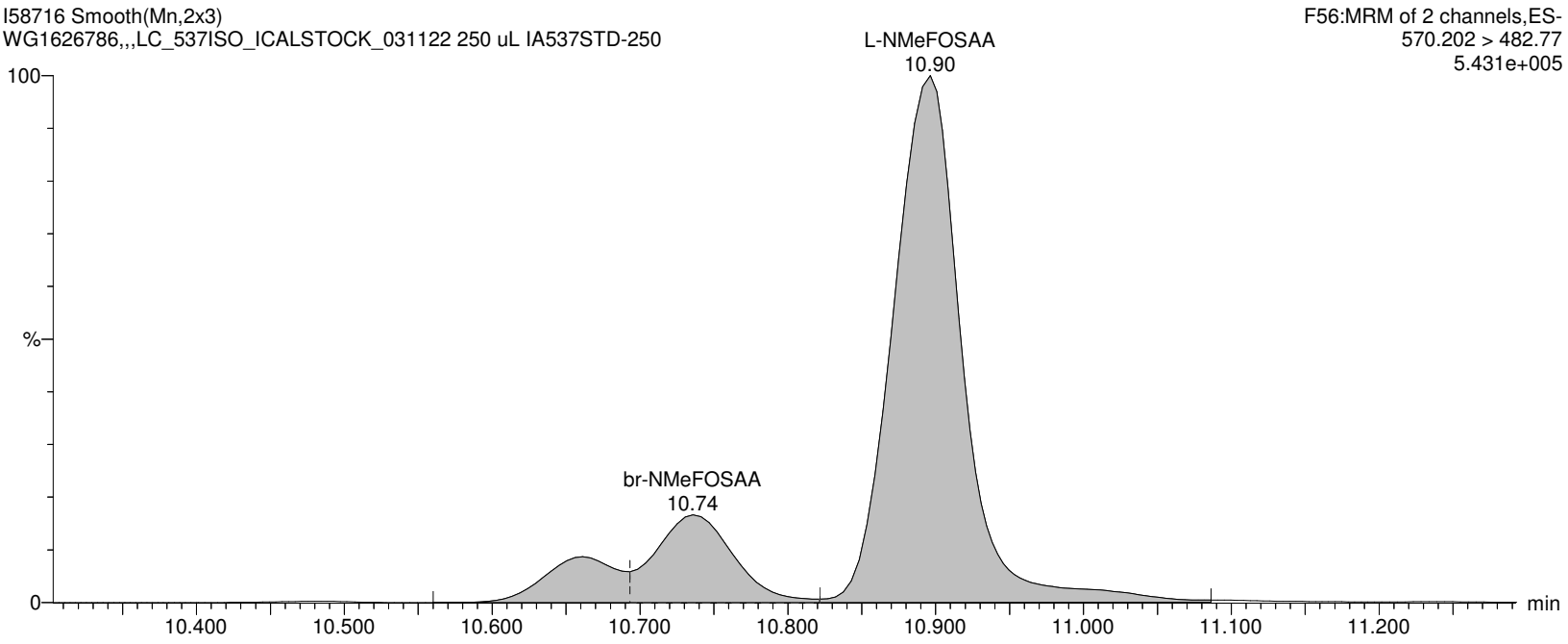
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 13-Apr-2022
Time: 18:29:11
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User: LCMS02:MP
Vial: 1:B,2
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NMeFOSAA



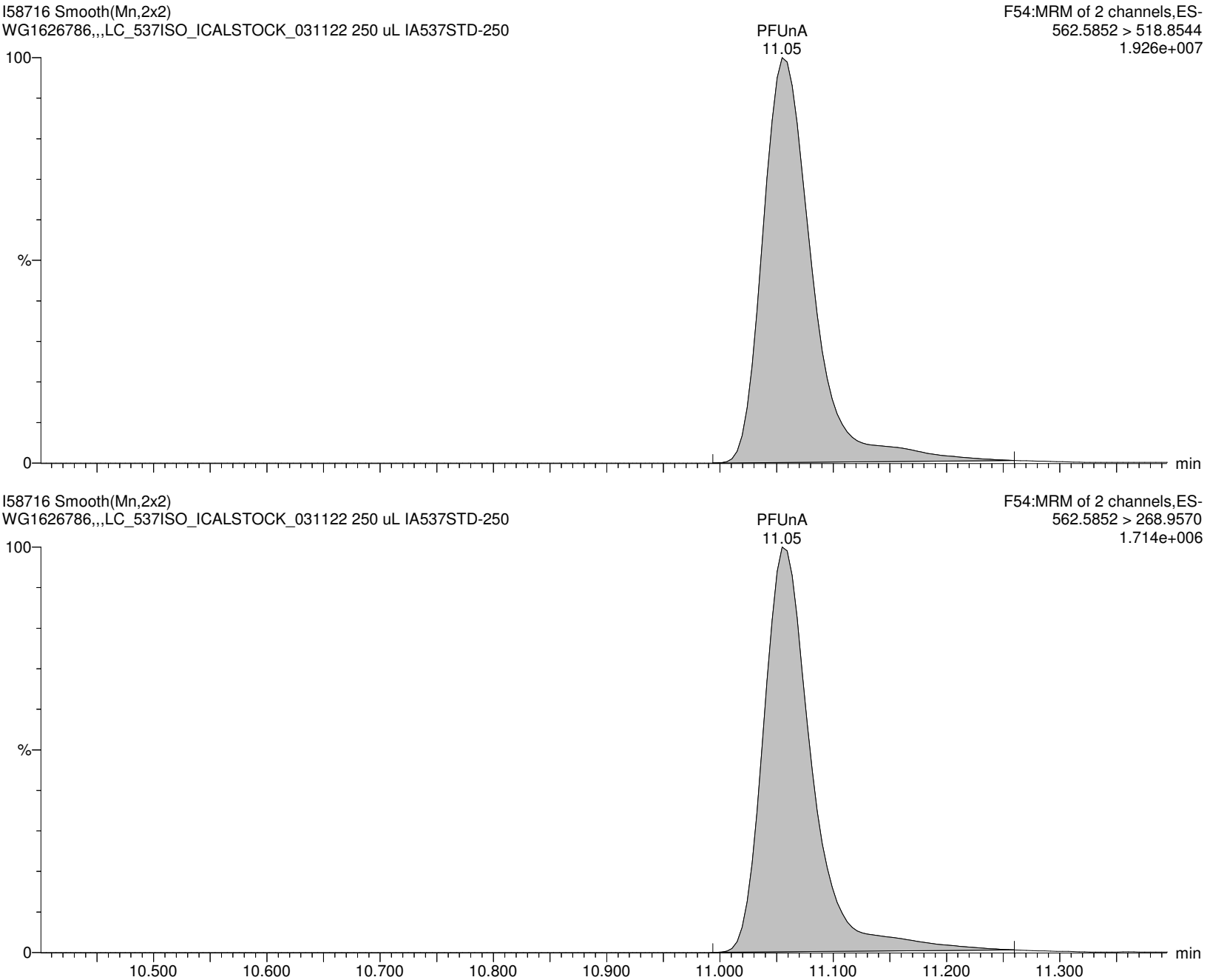


all concentration units in (ng/mL)

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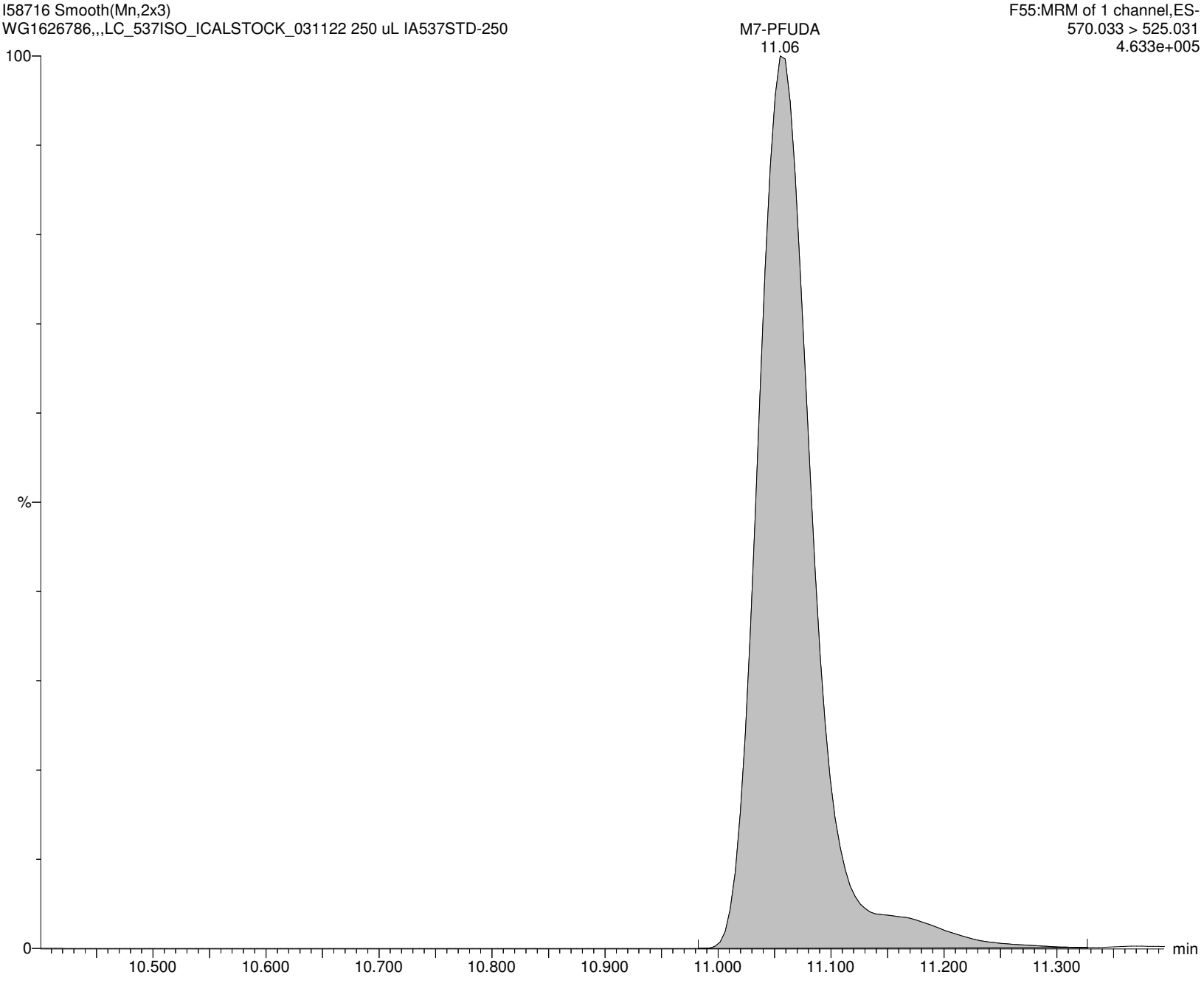


all concentration units in (ng/mL)

Alpha Analytical Inc.
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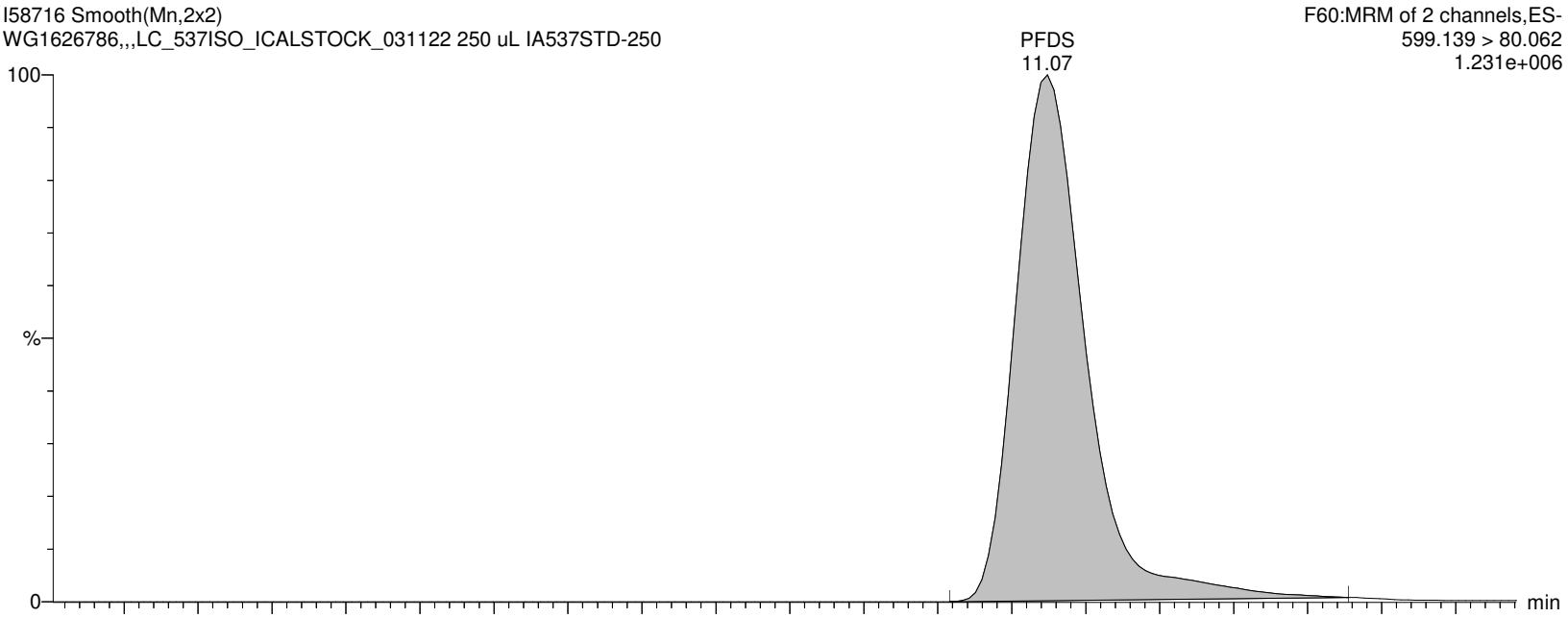


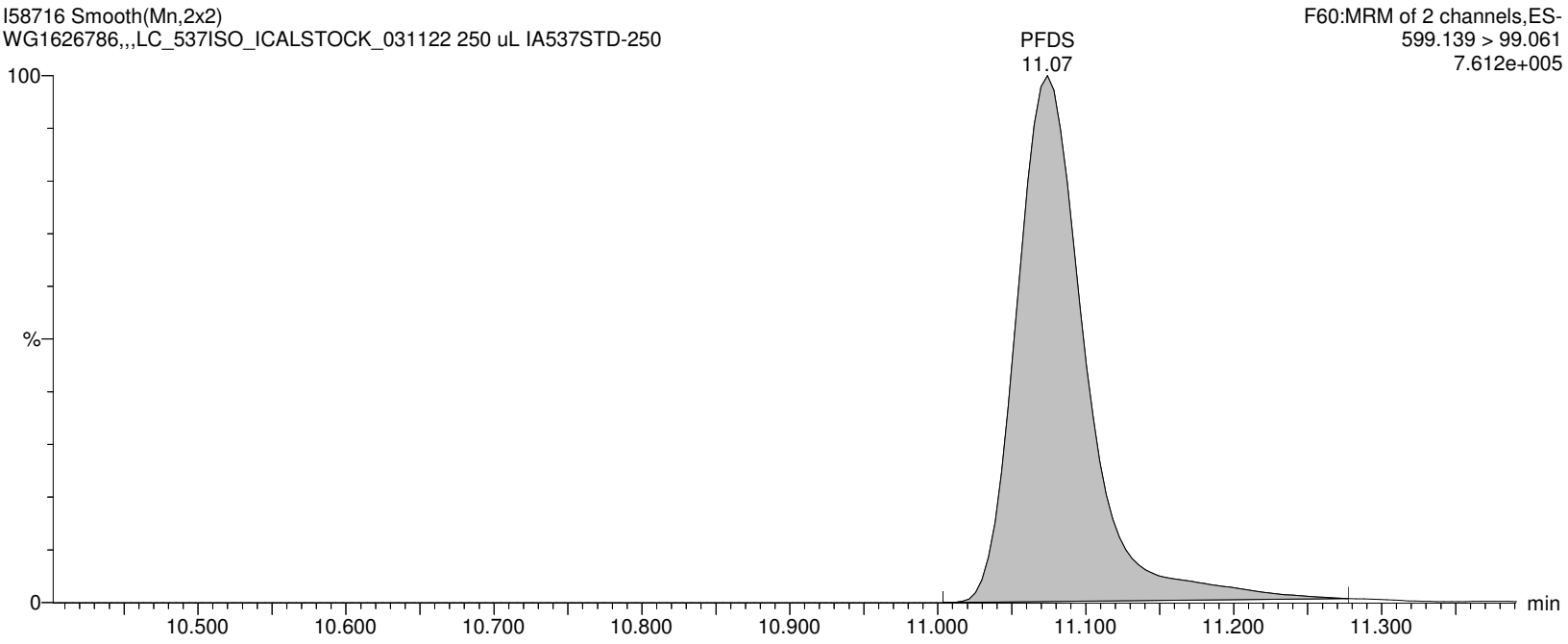
all concentration units in (ng/mL)

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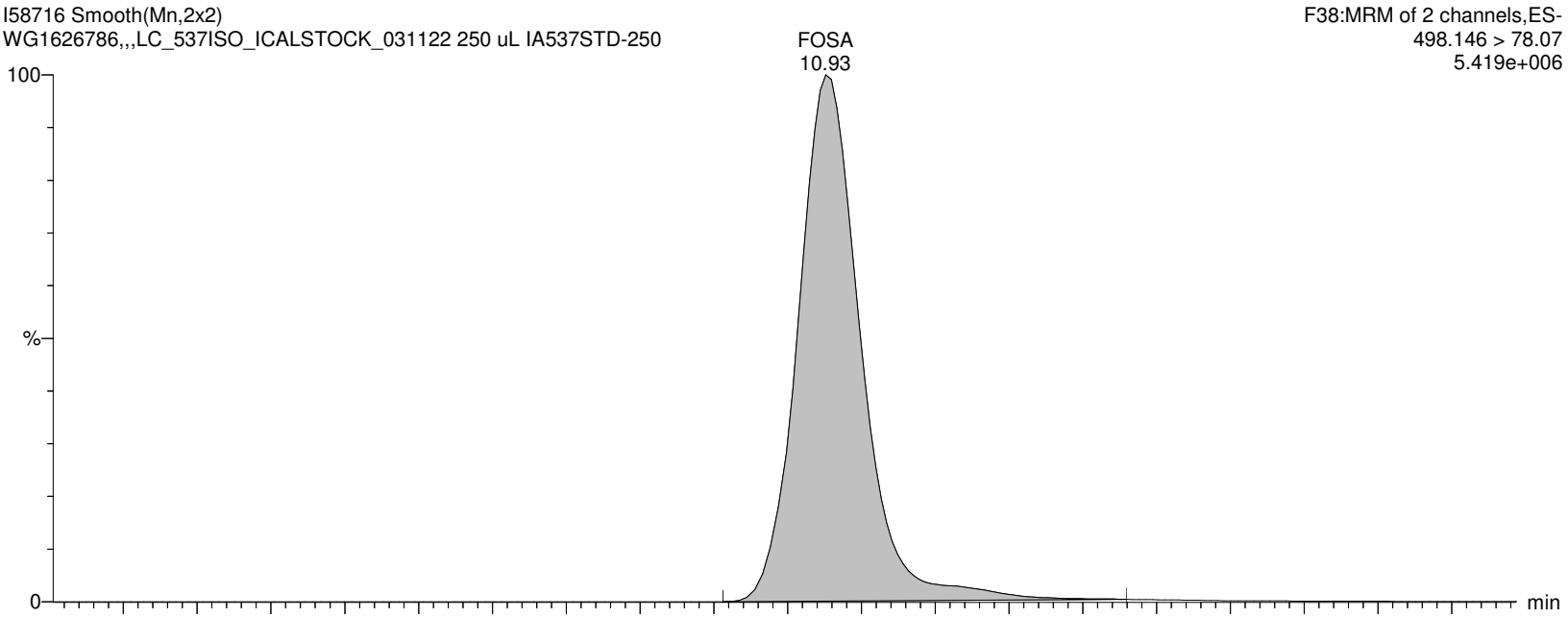


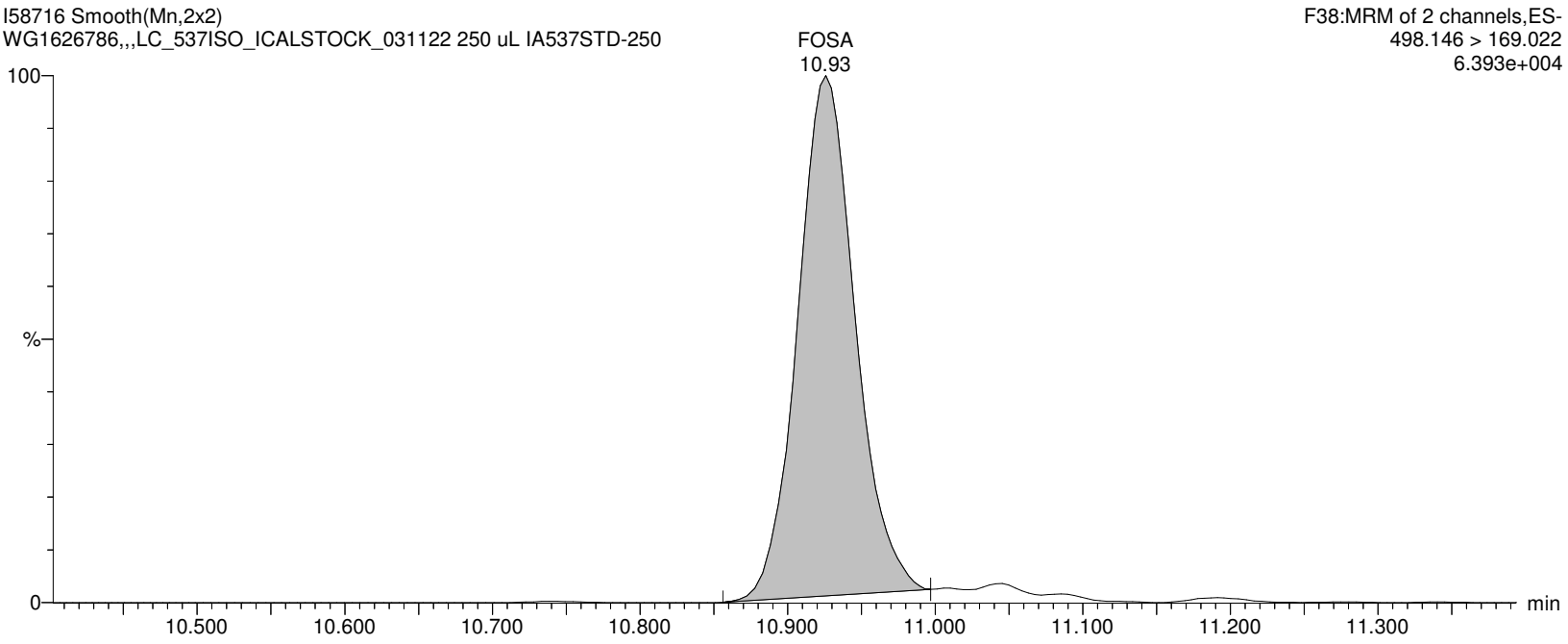
all concentration units in (ng/mL)

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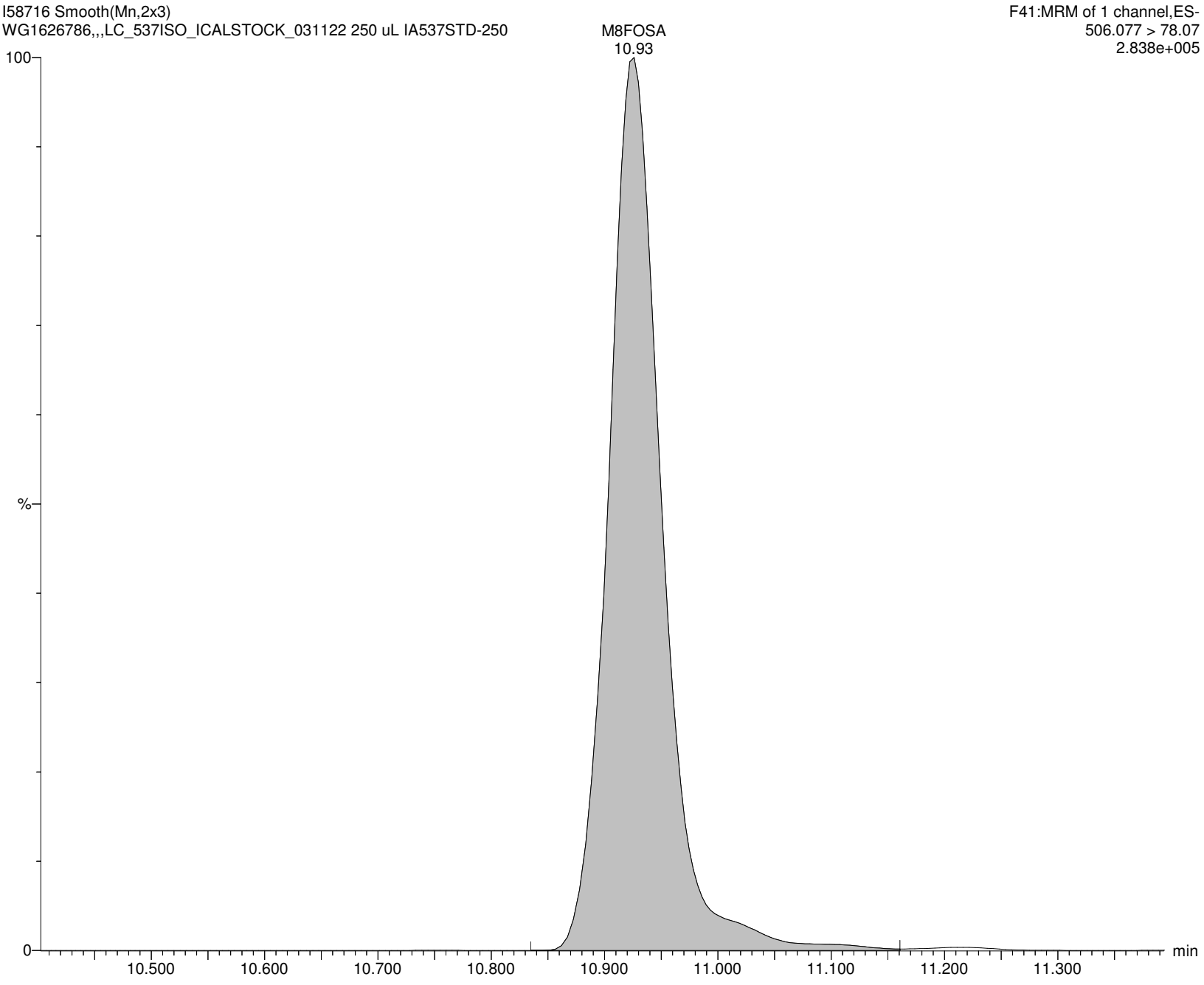


all concentration units in (ng/mL)

Alpha Analytical Inc.
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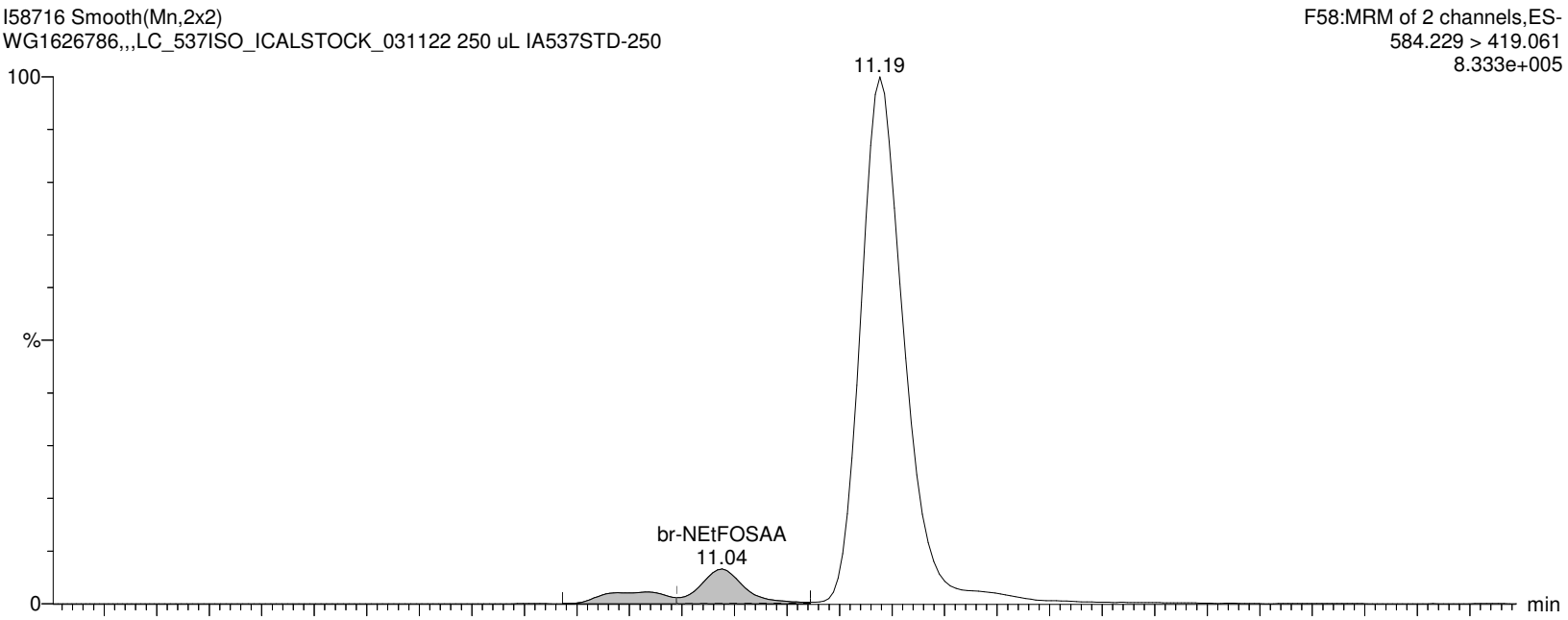


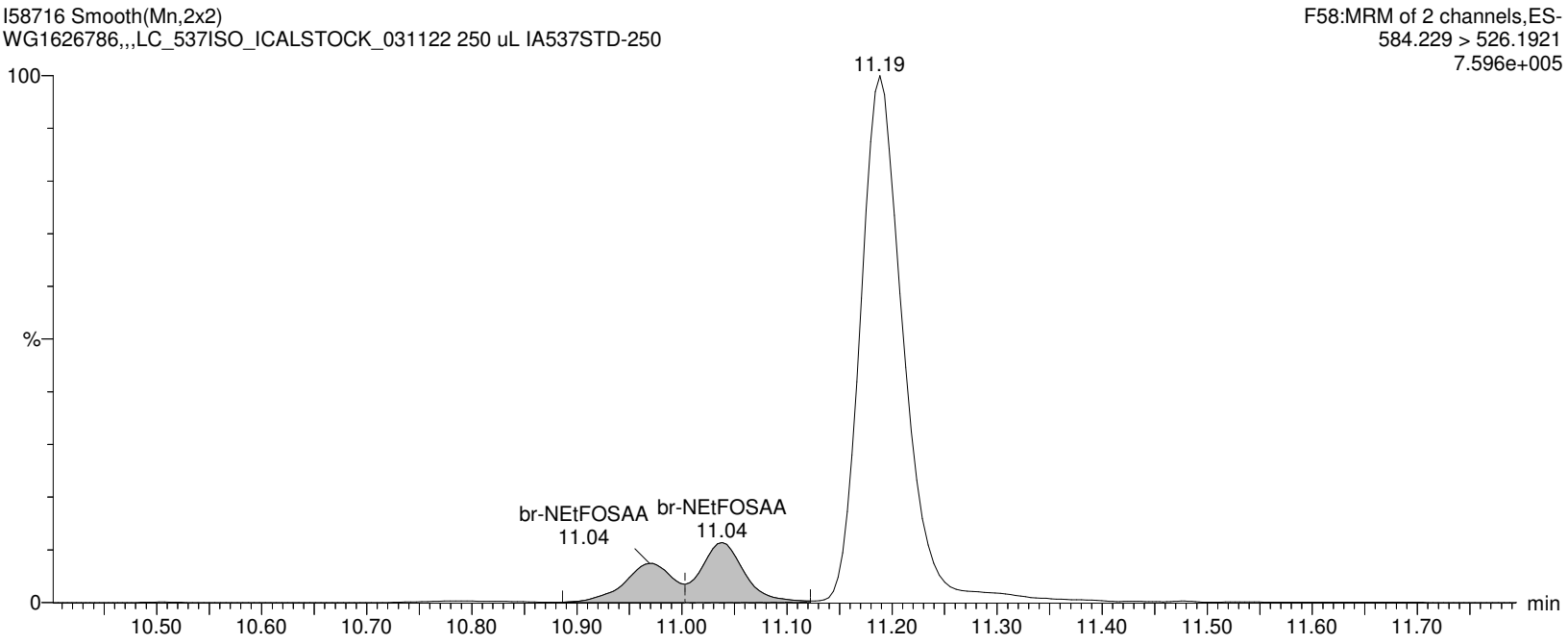
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-NEtFOSAA



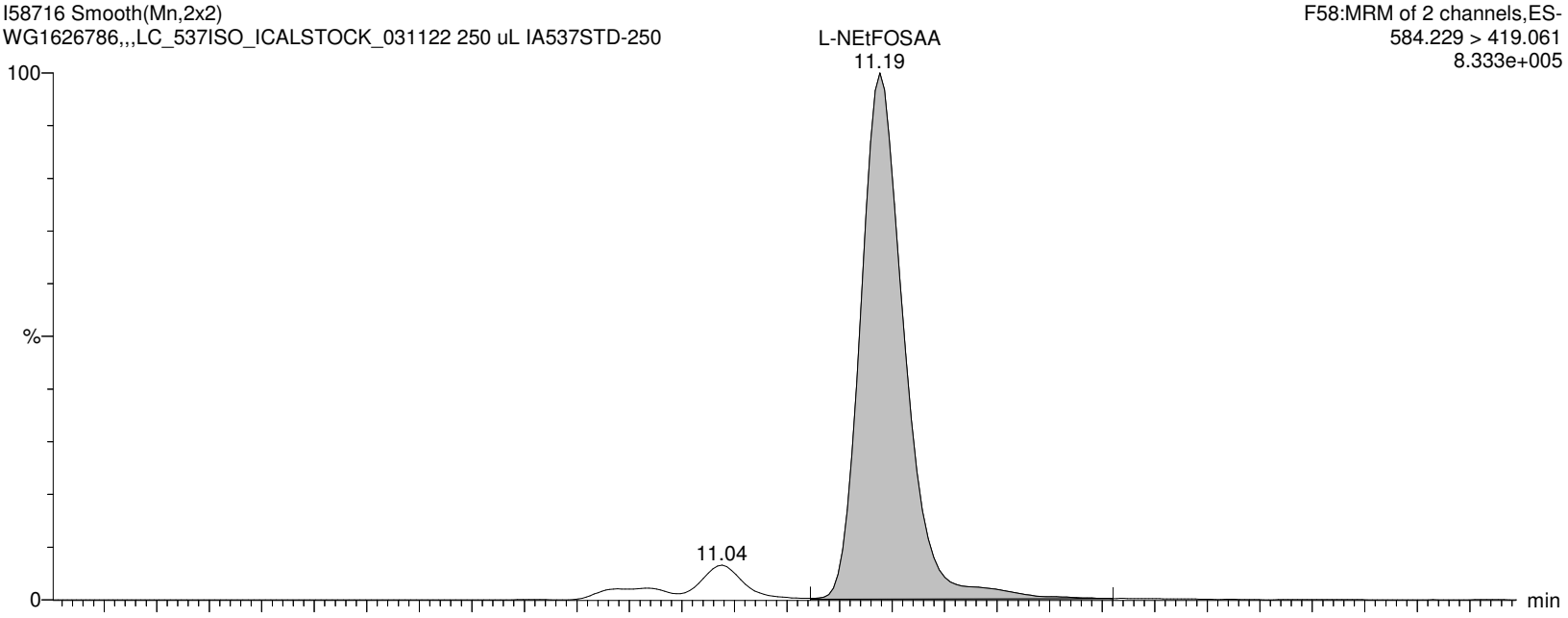


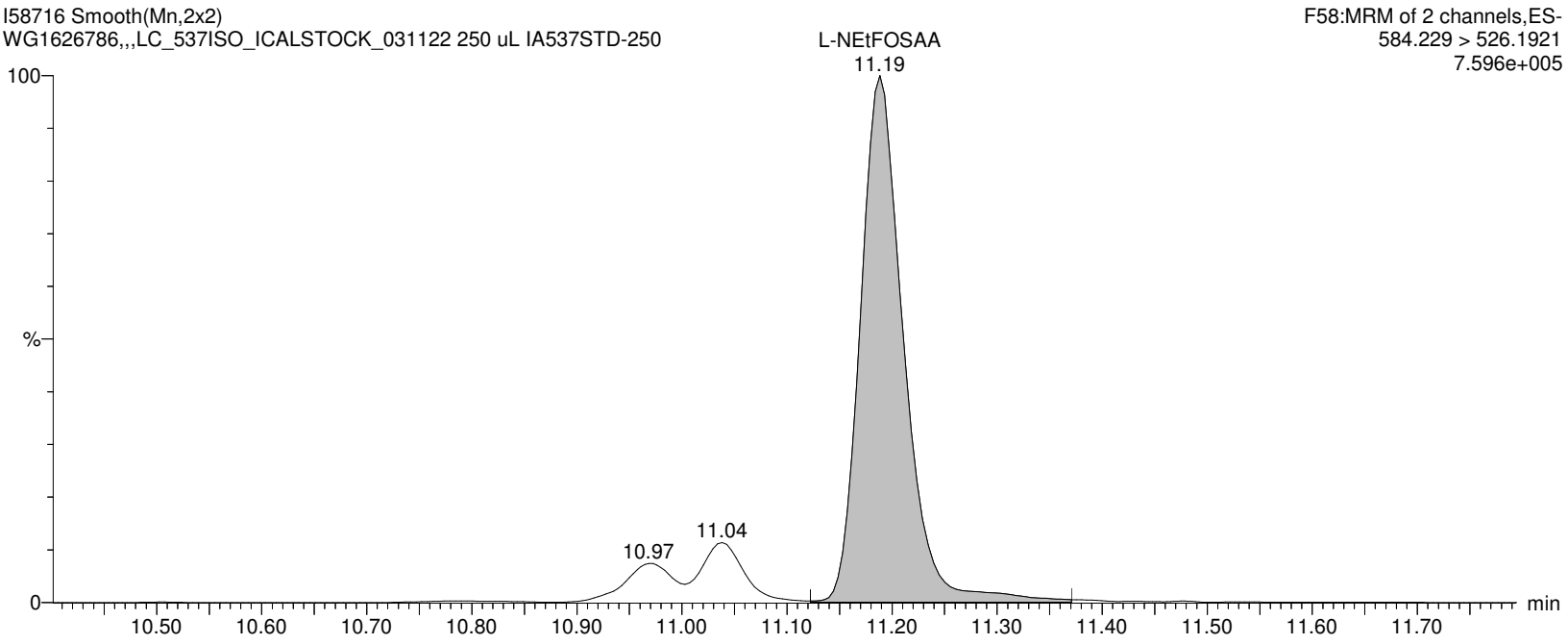
all concentration units in (ng/mL)

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L-NEtFOSAA



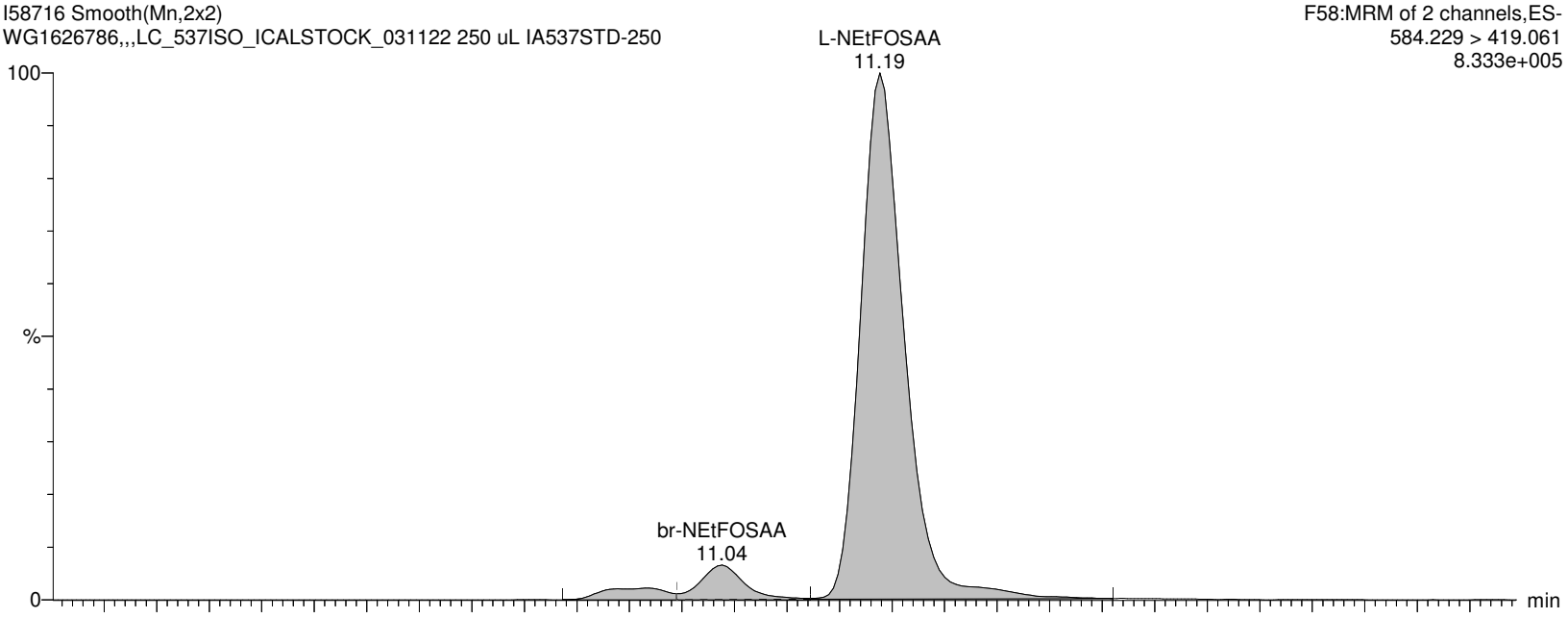


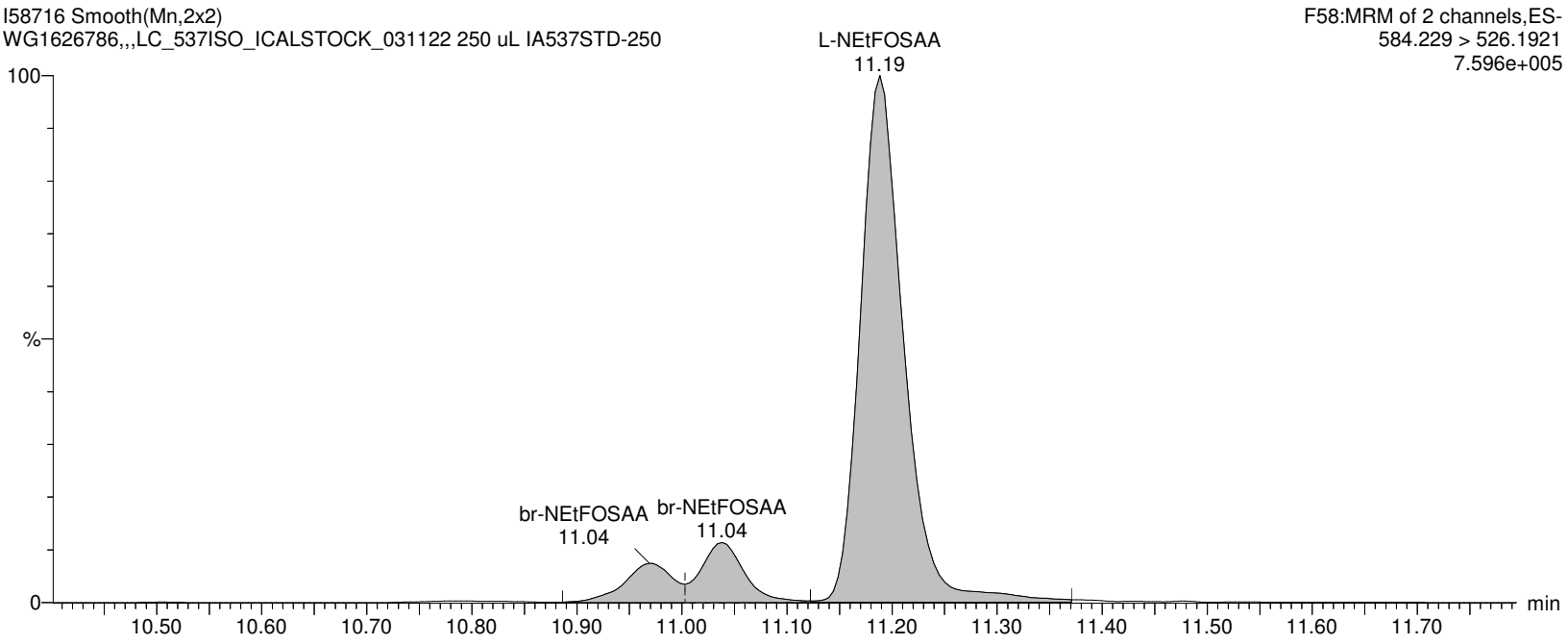
all concentration units in (ng/mL)

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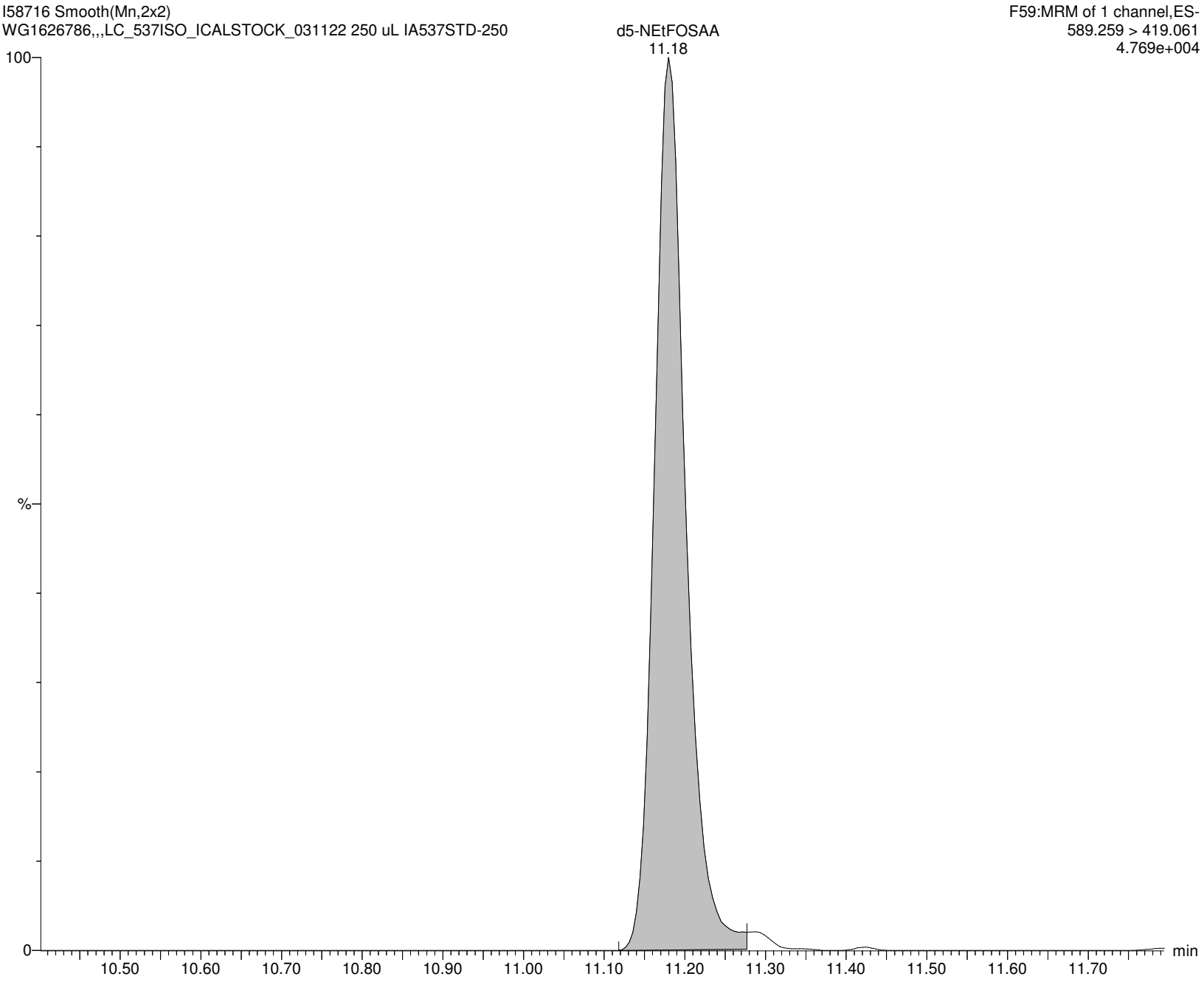


all concentration units in (ng/mL)

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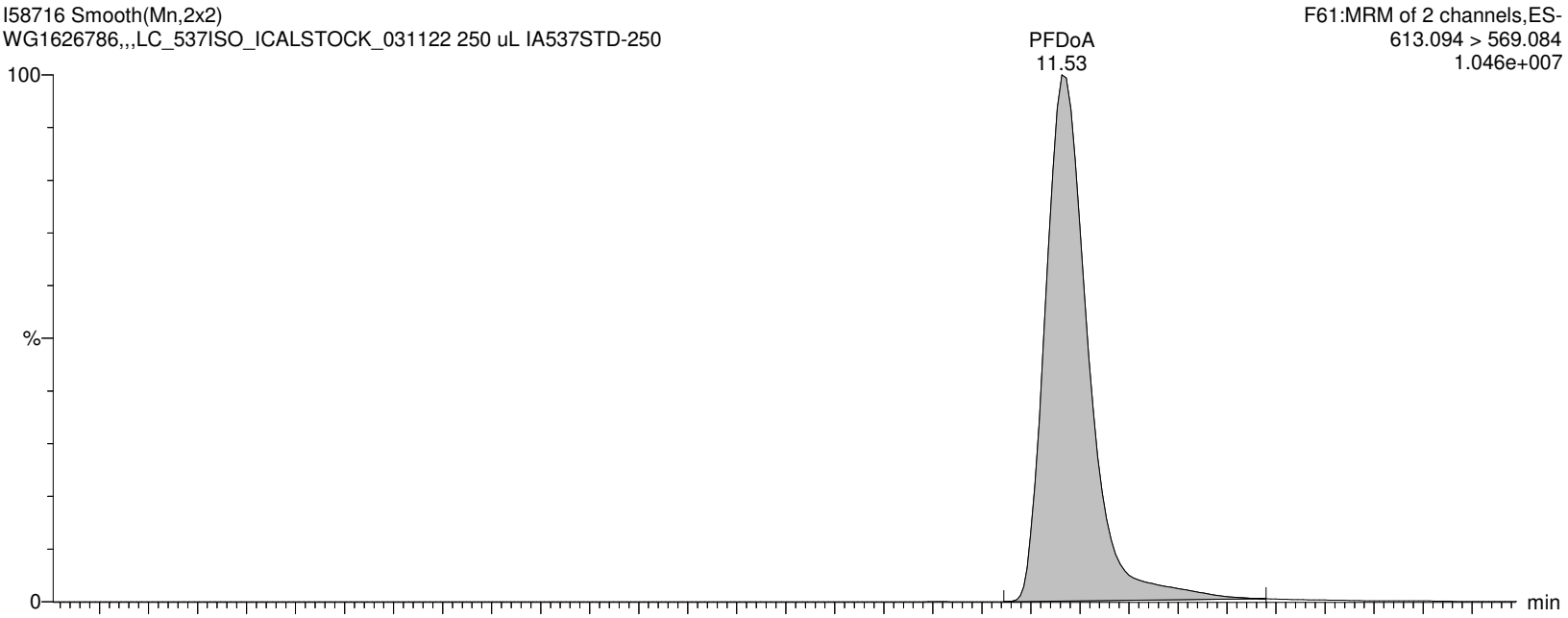


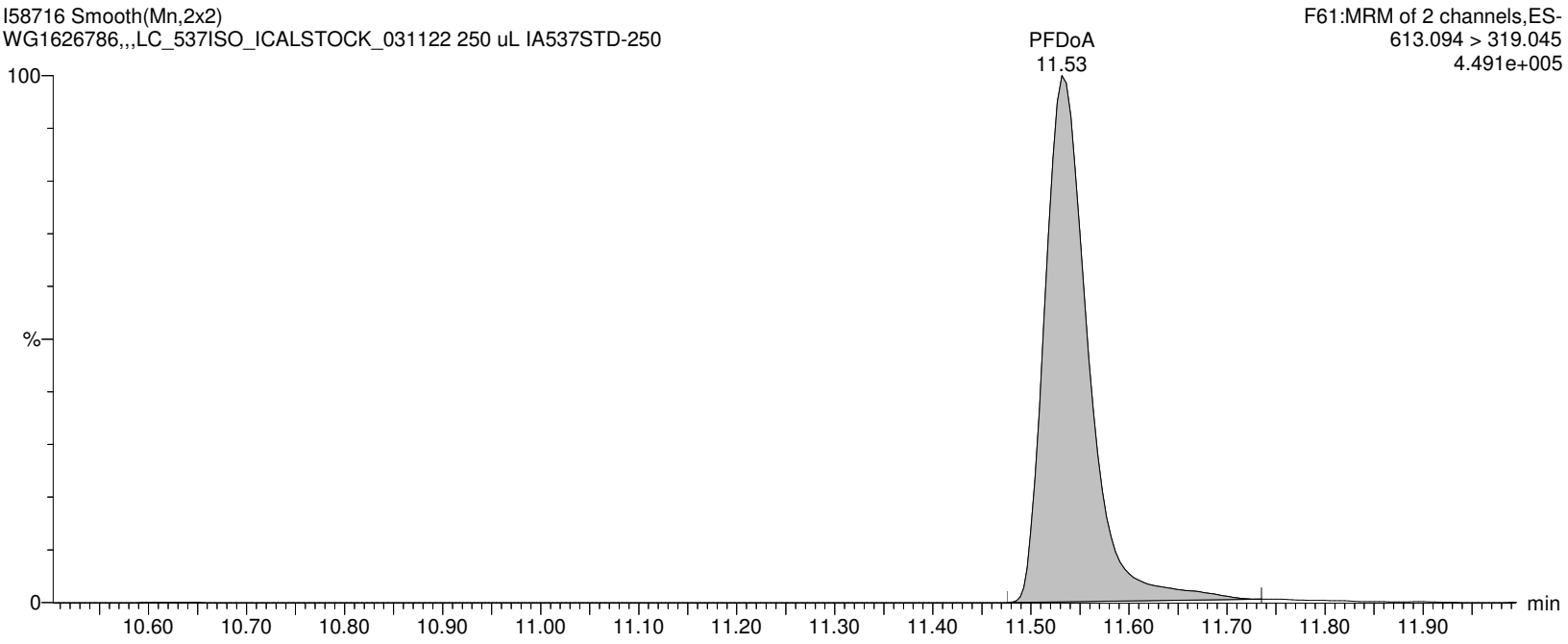
all concentration units in (ng/mL)

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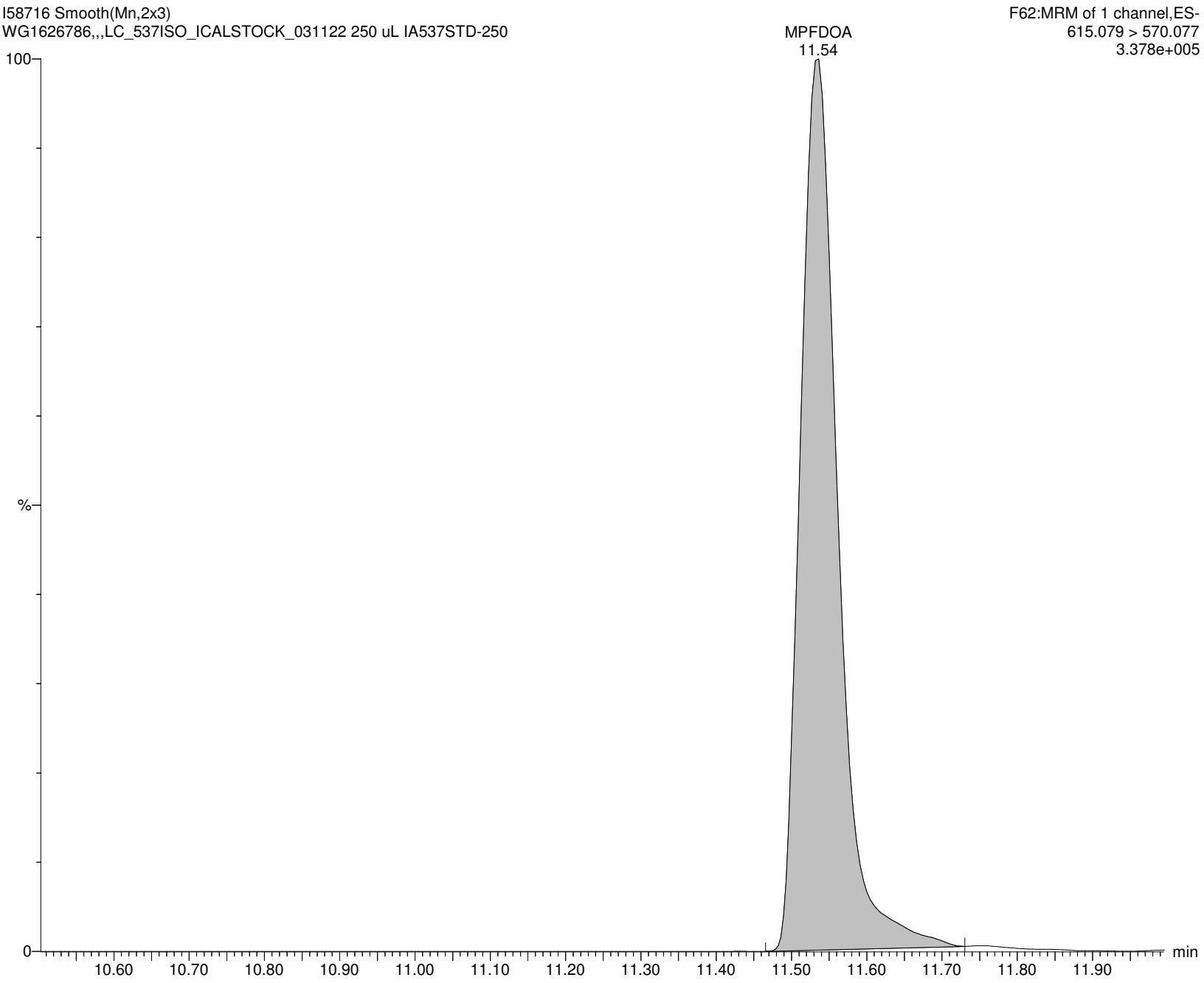


all concentration units in (ng/mL)

Alpha Analytical Inc.
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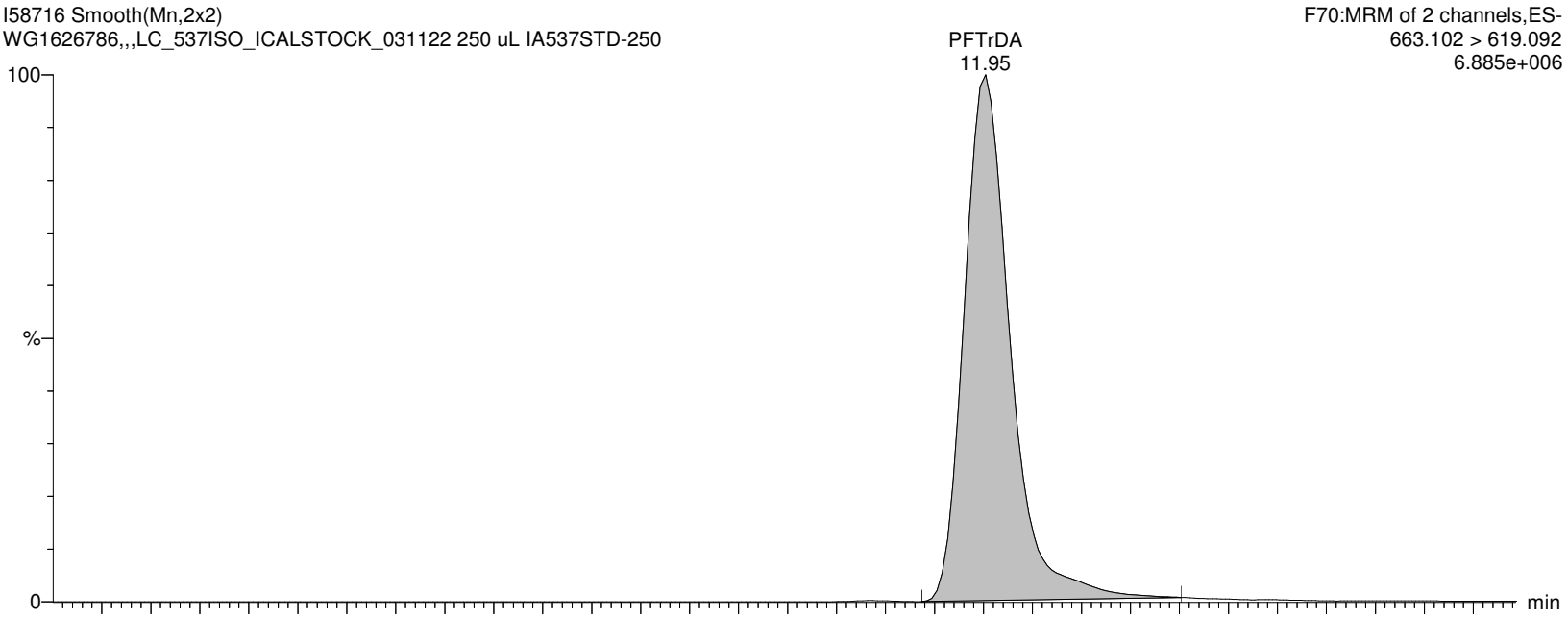


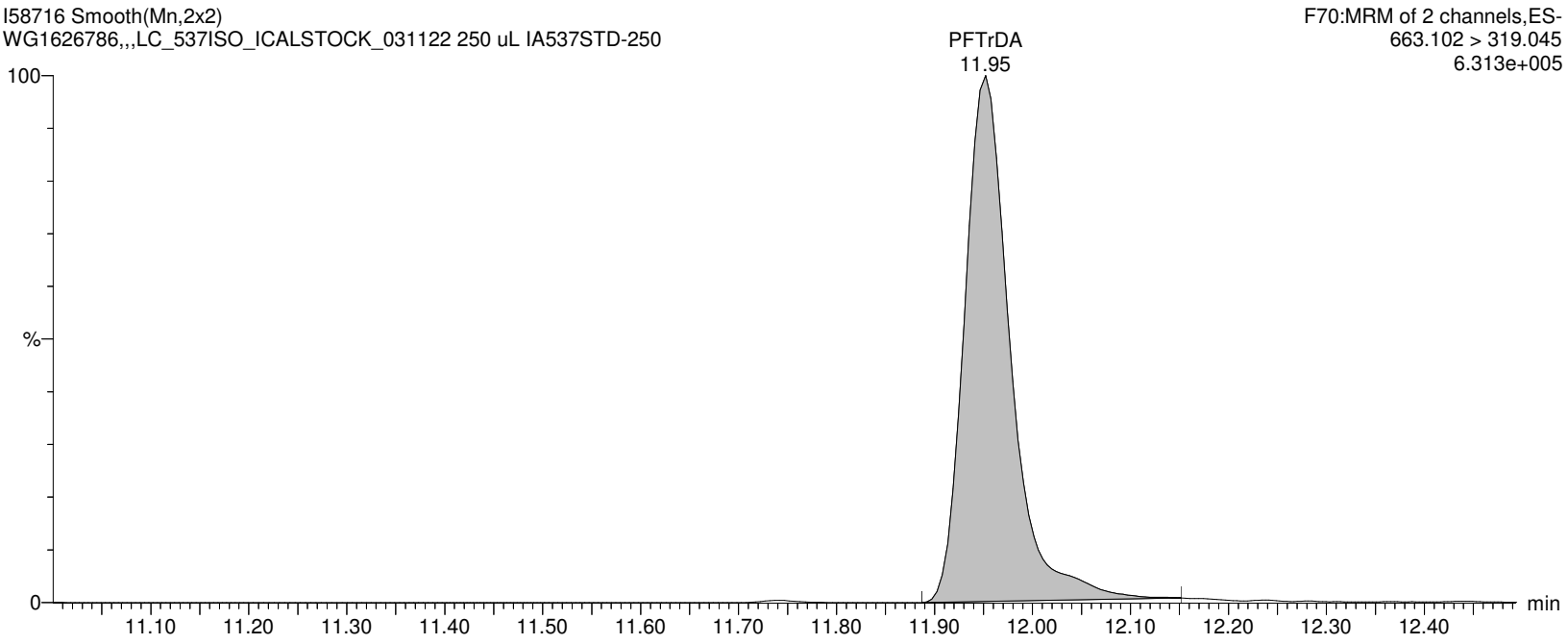
all concentration units in (ng/mL)

Alpha Analytical Inc.
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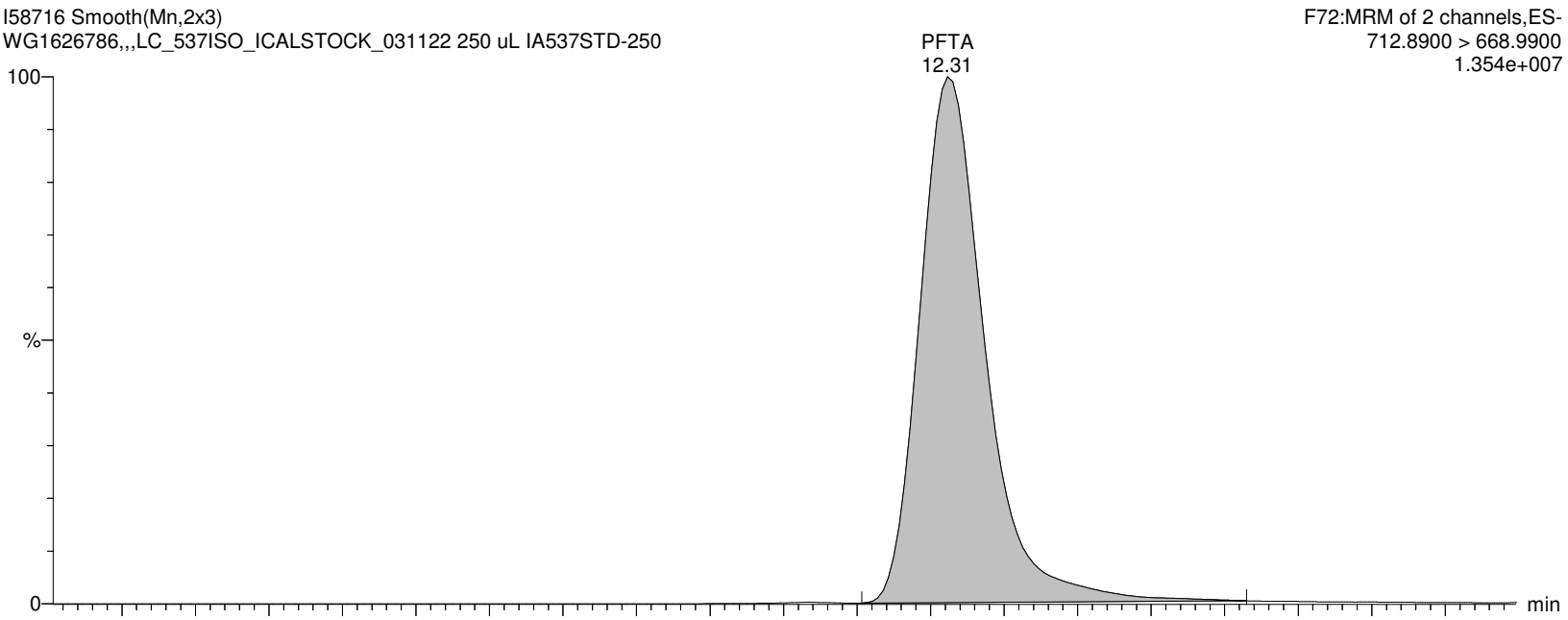


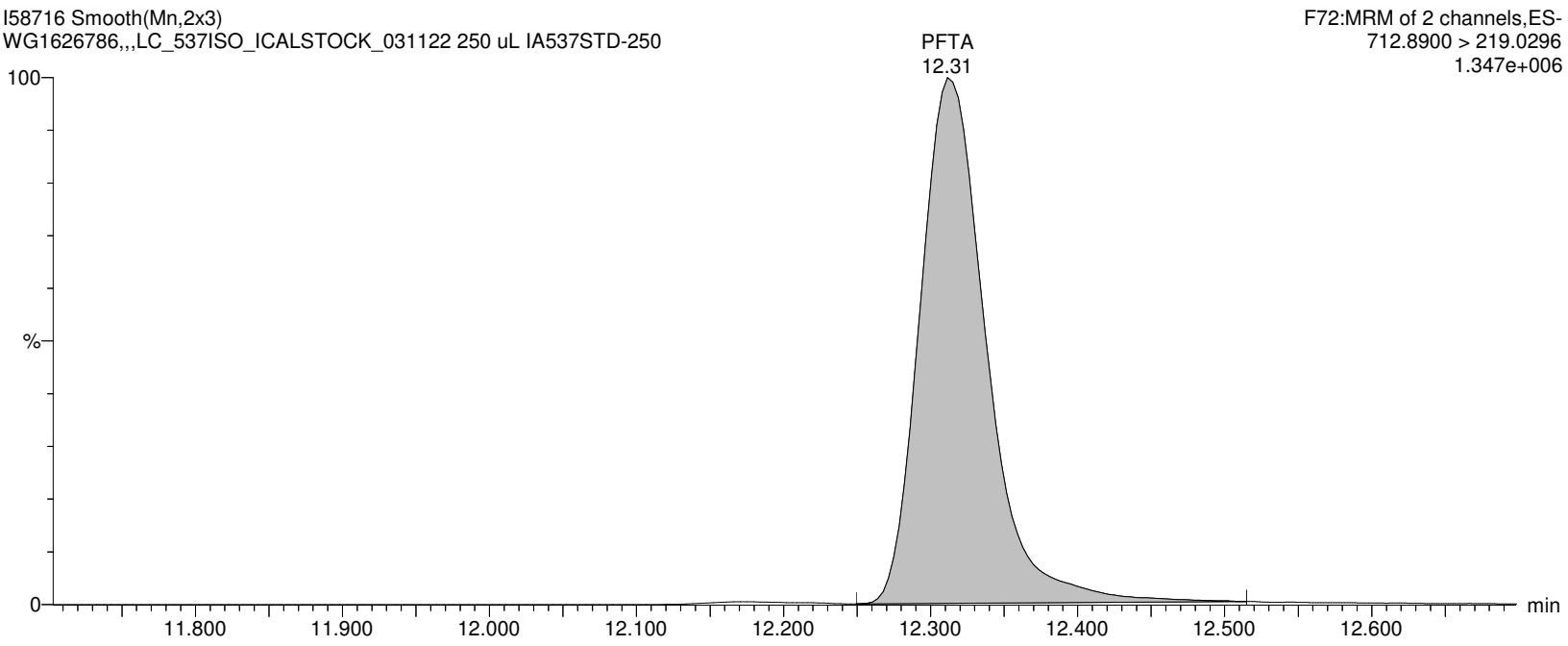
all concentration units in (ng/mL)

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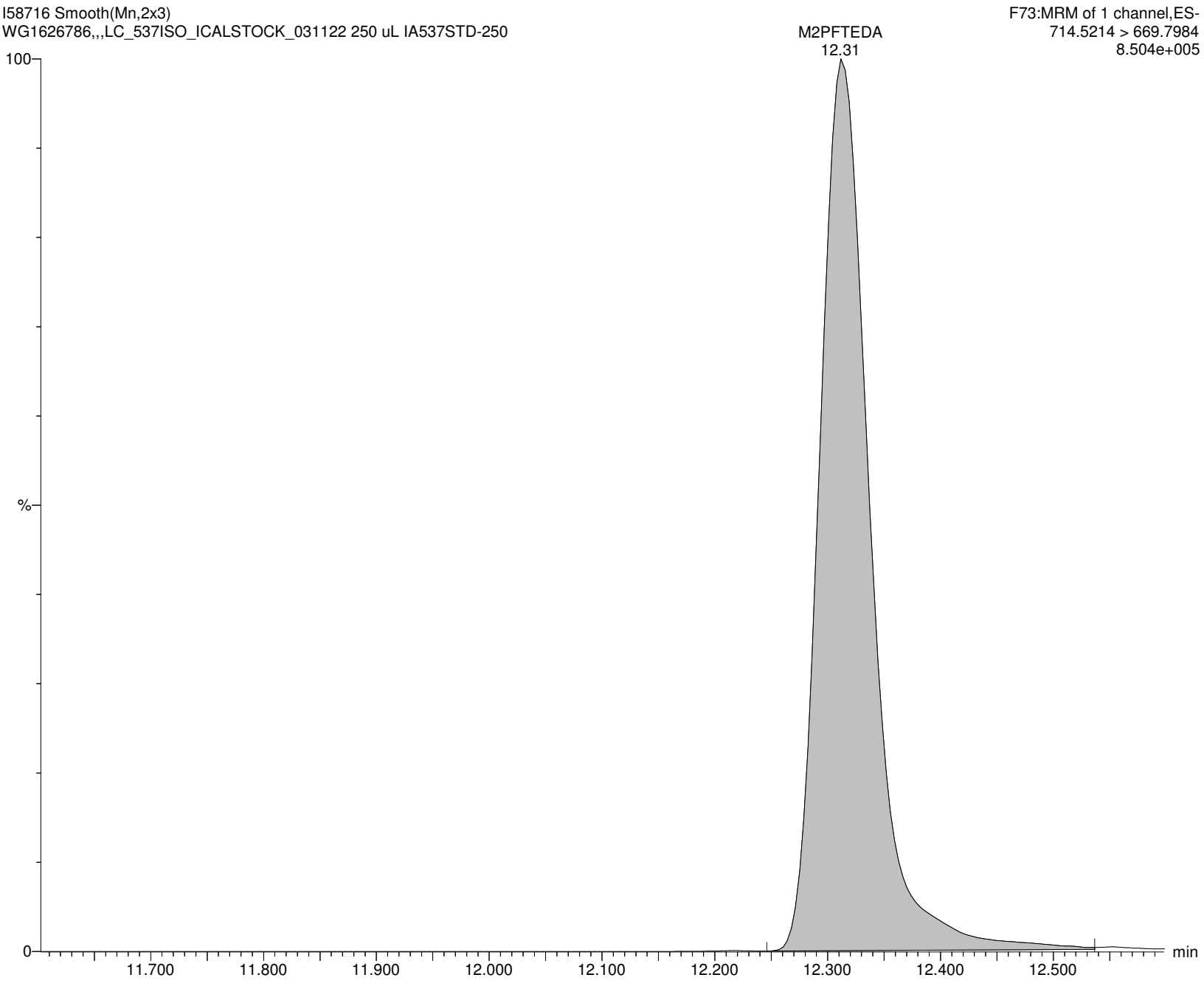


all concentration units in (ng/mL)

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M2PFTEDA

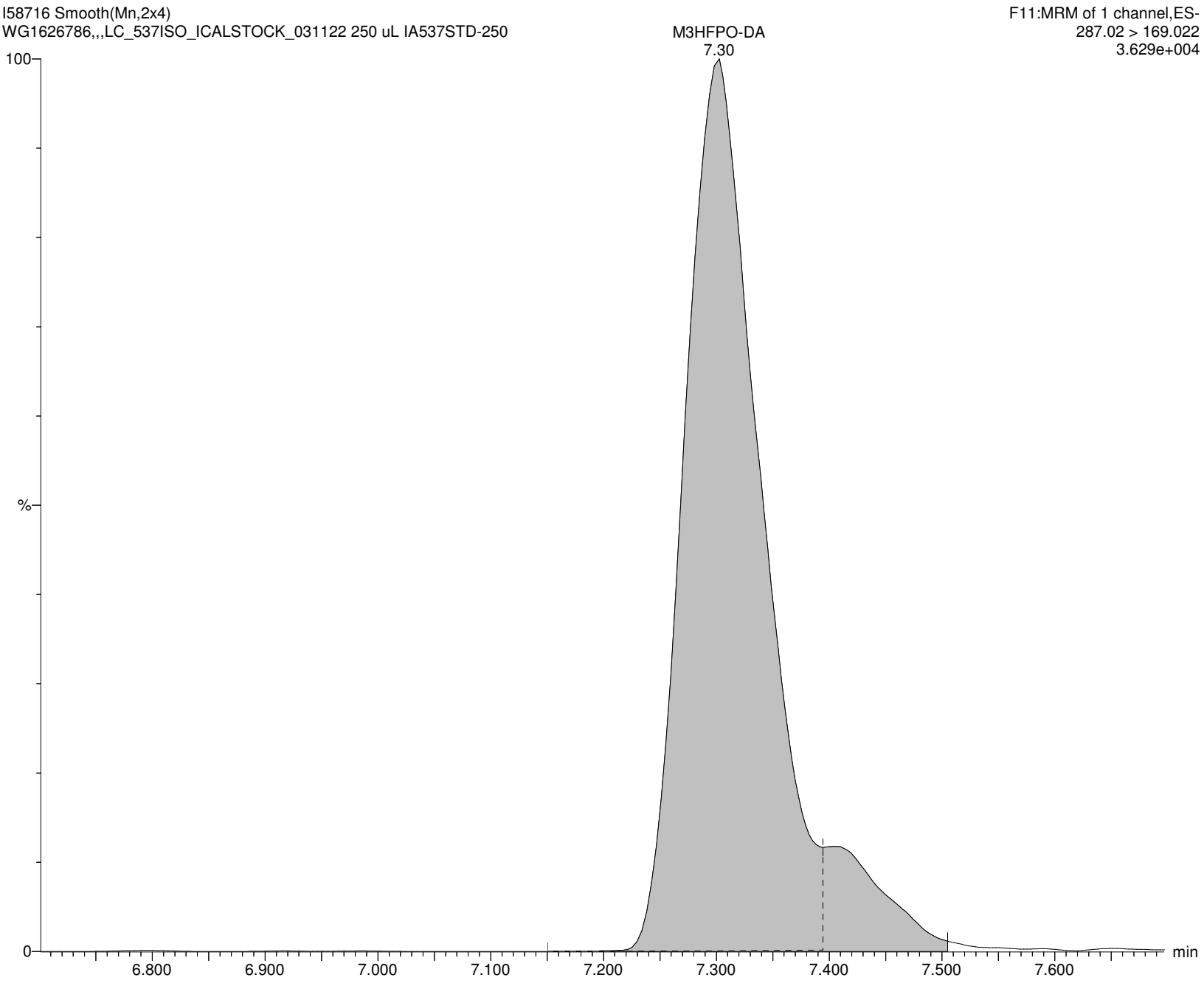


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:52:30 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 18:29:11
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 250 uL
User: LCMS02:MP
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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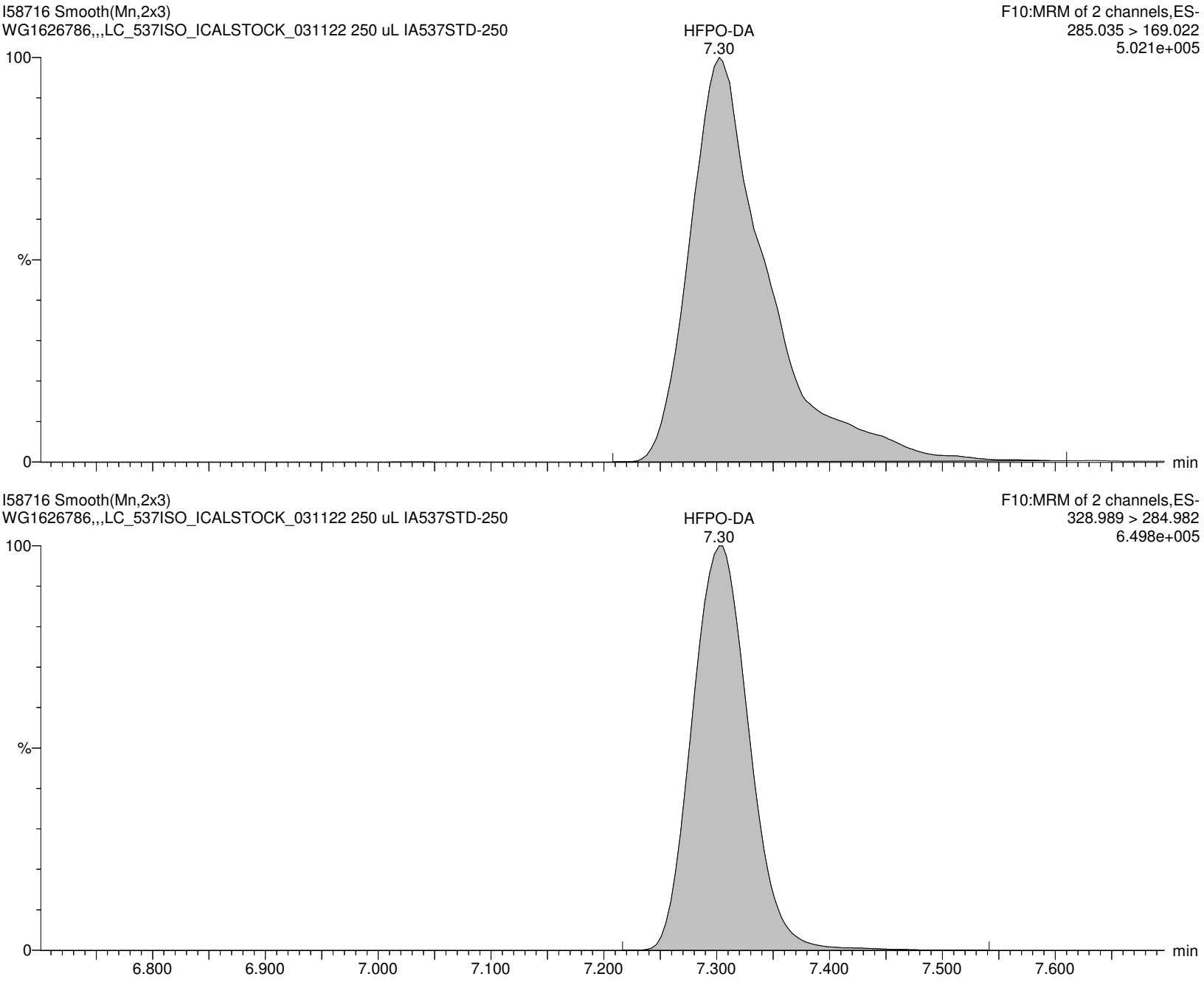


all concentration units in (ng/mL)

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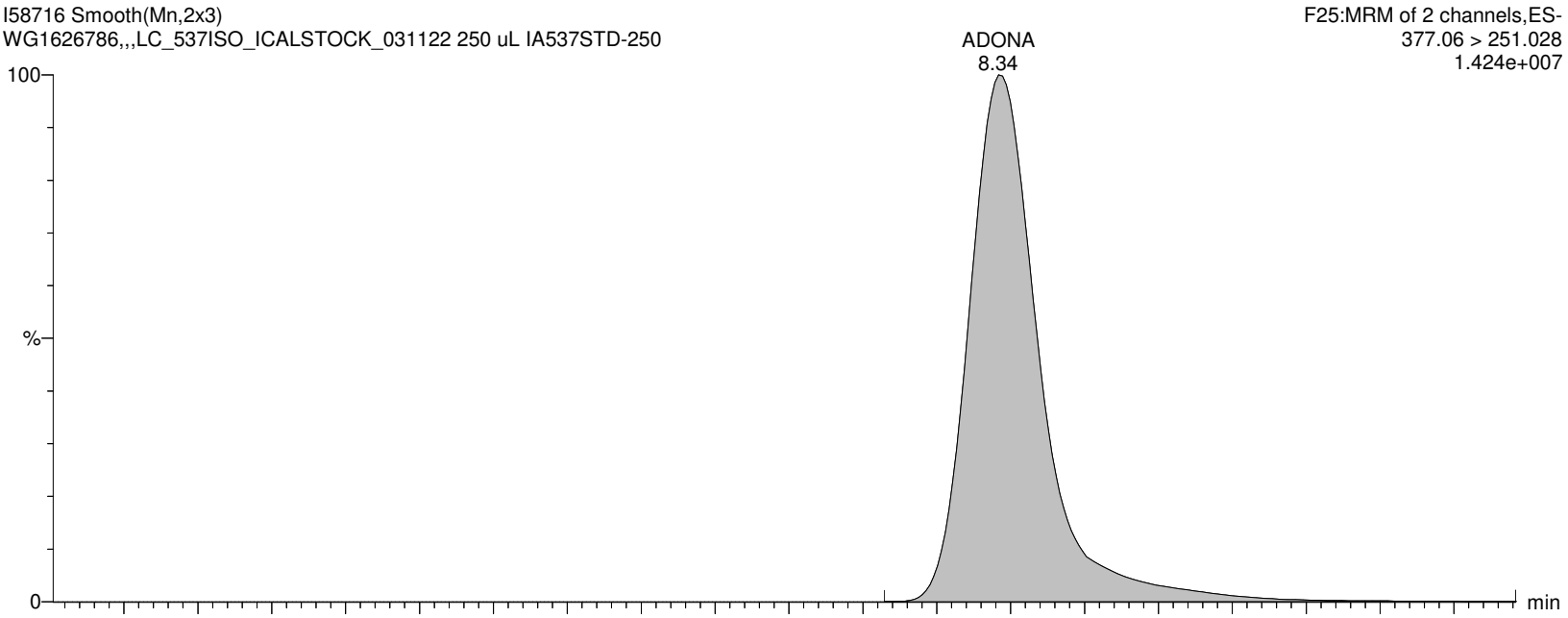


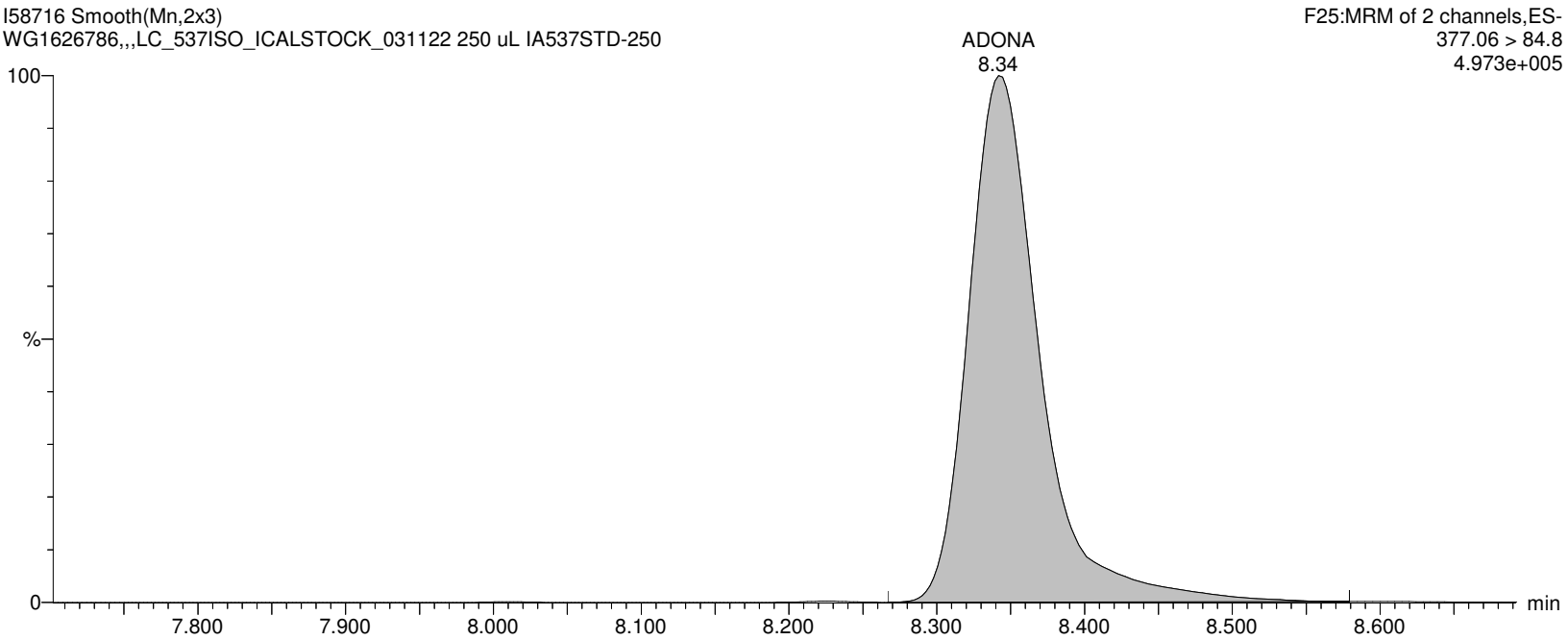
all concentration units in (ng/mL)

Alpha Analytical Inc.
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ADONA



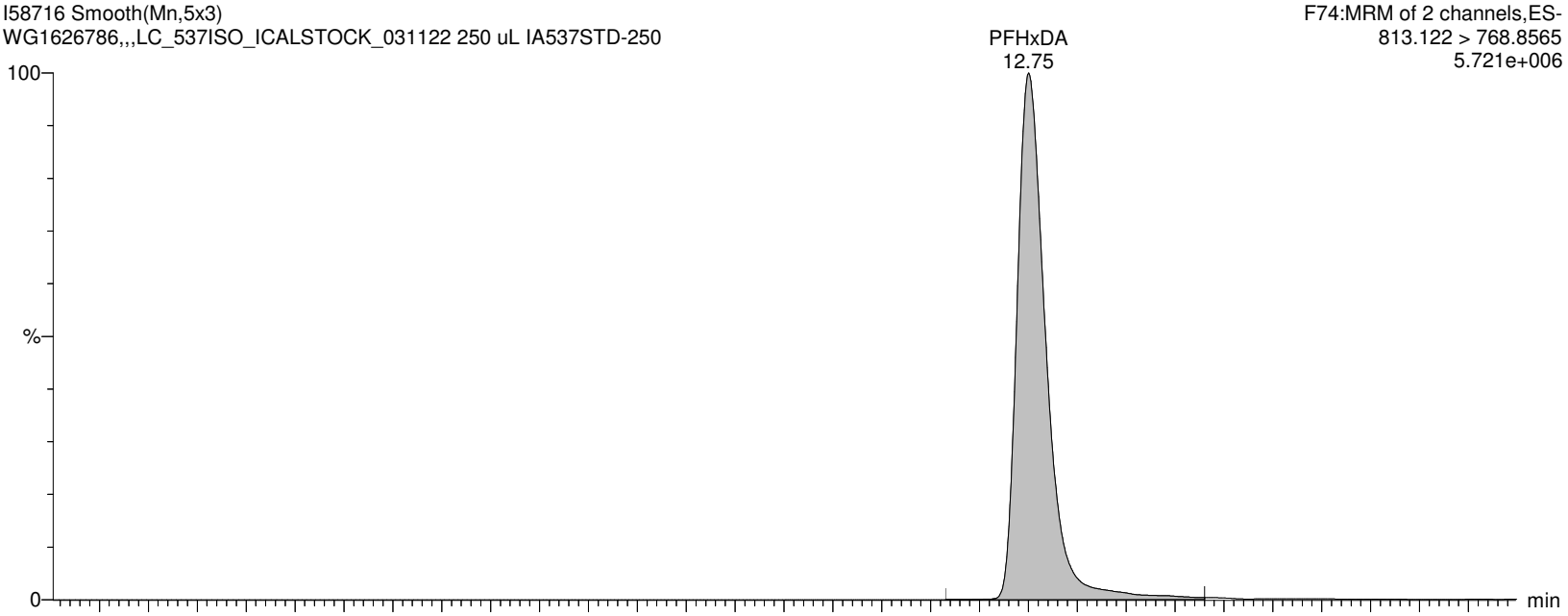


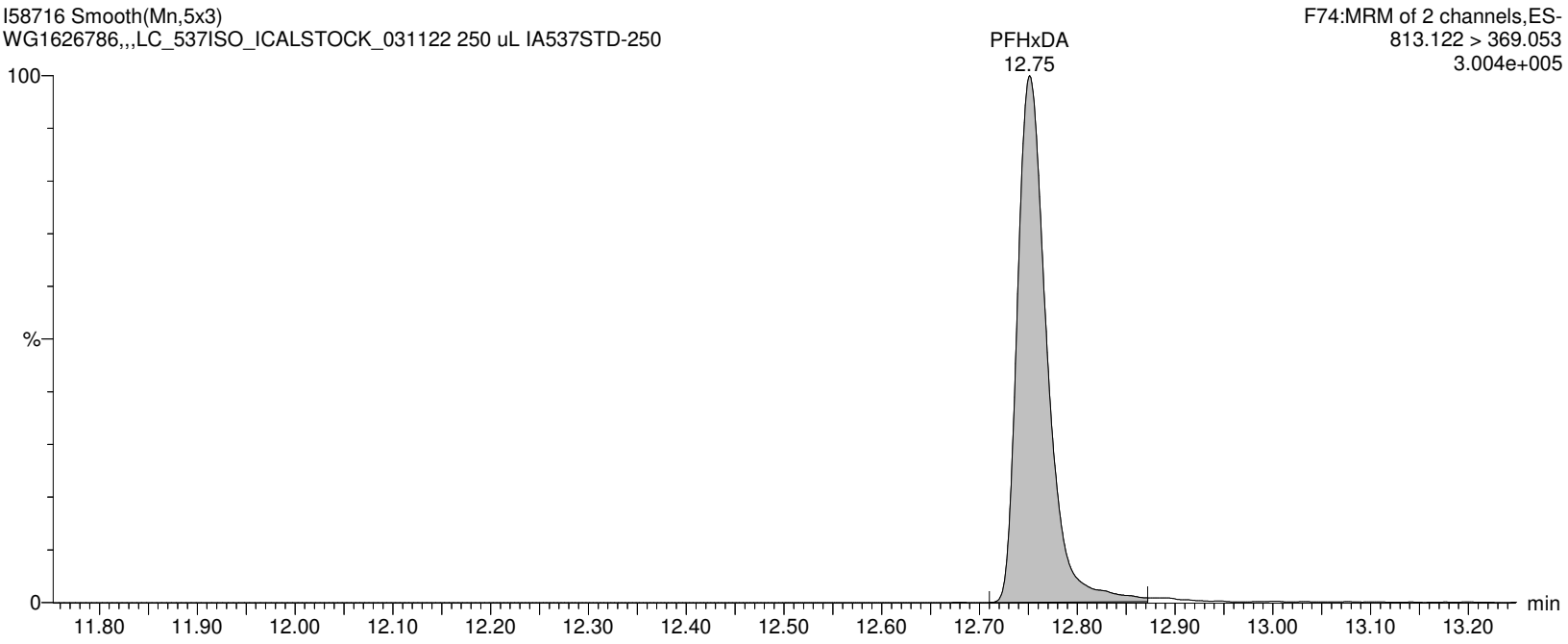
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxDA



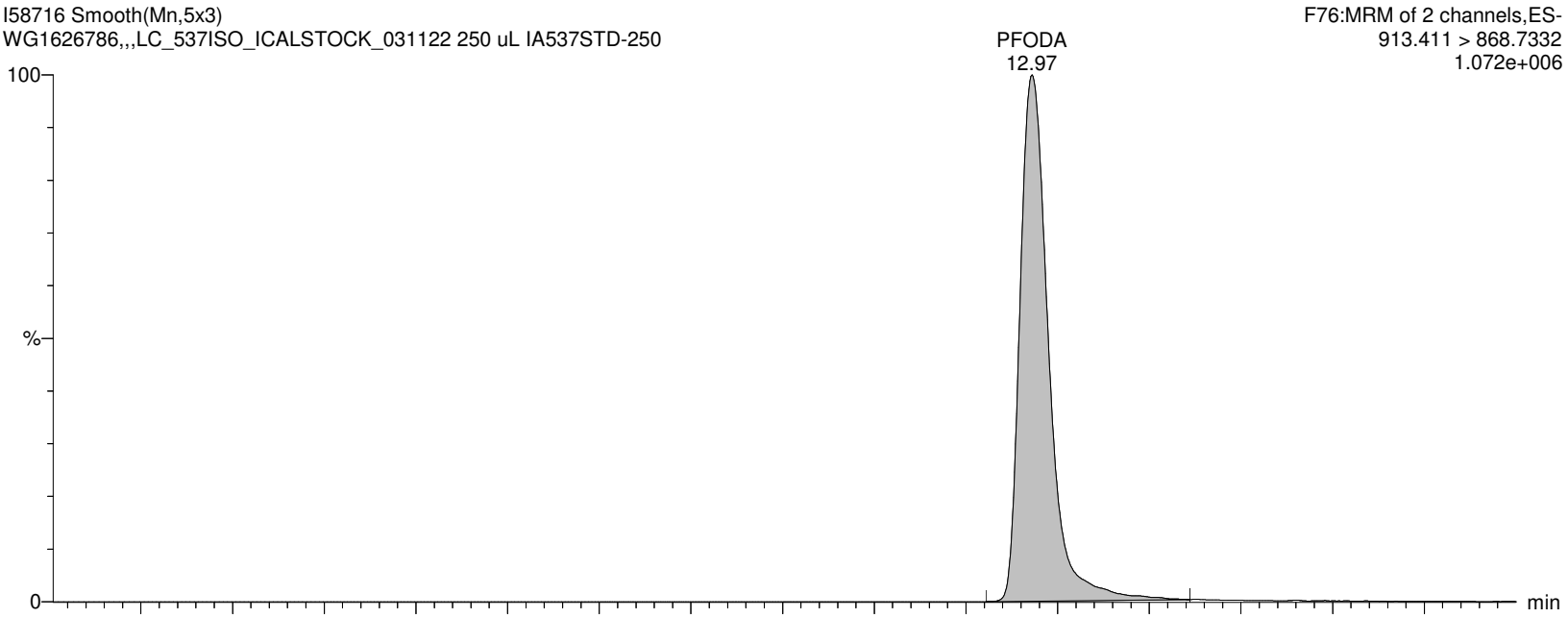


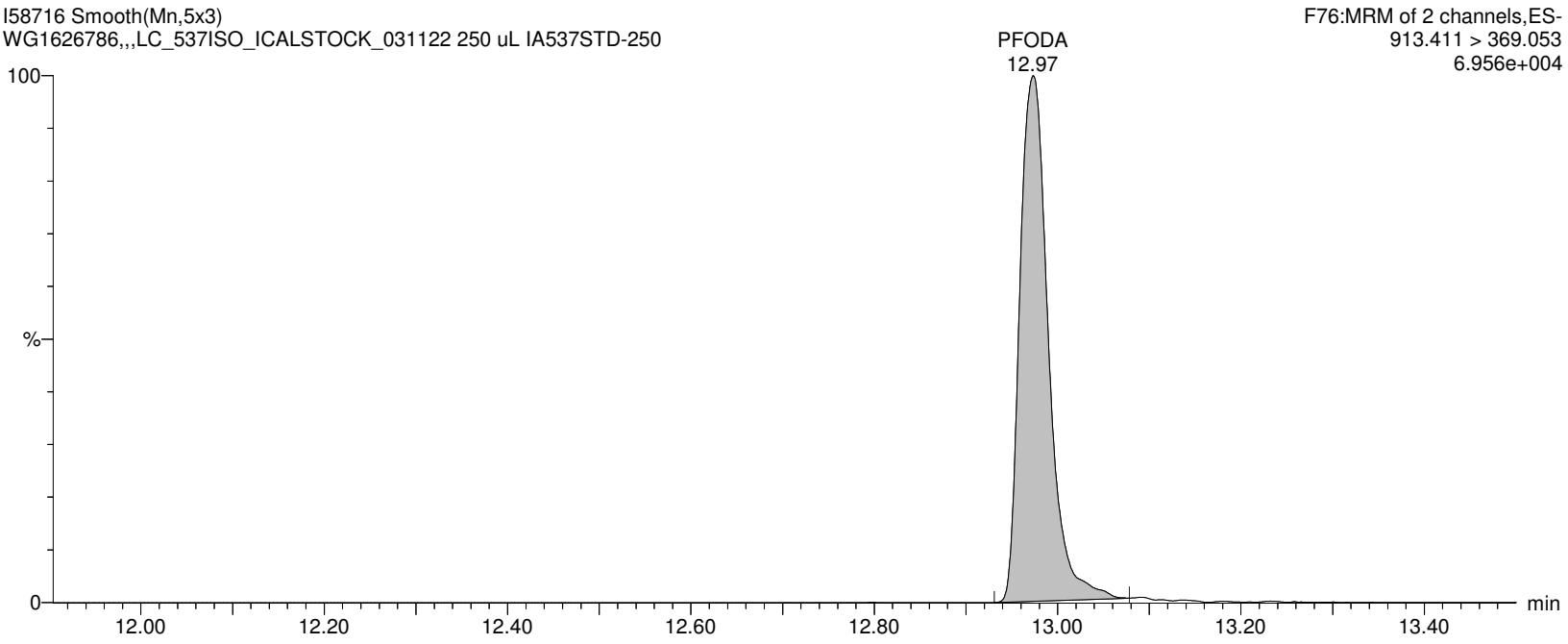
all concentration units in (ng/mL)

Alpha Analytical Inc.
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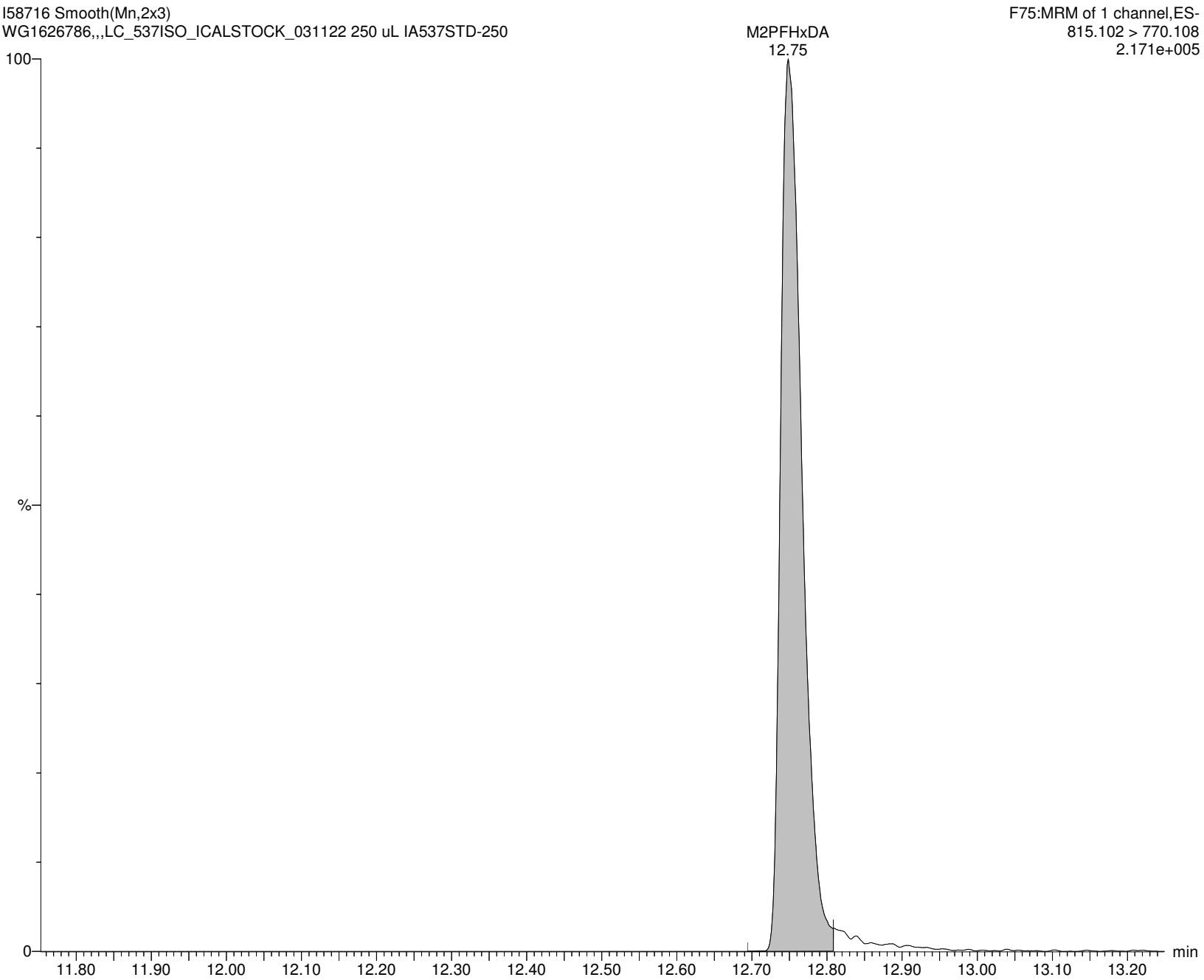


all concentration units in (ng/mL)

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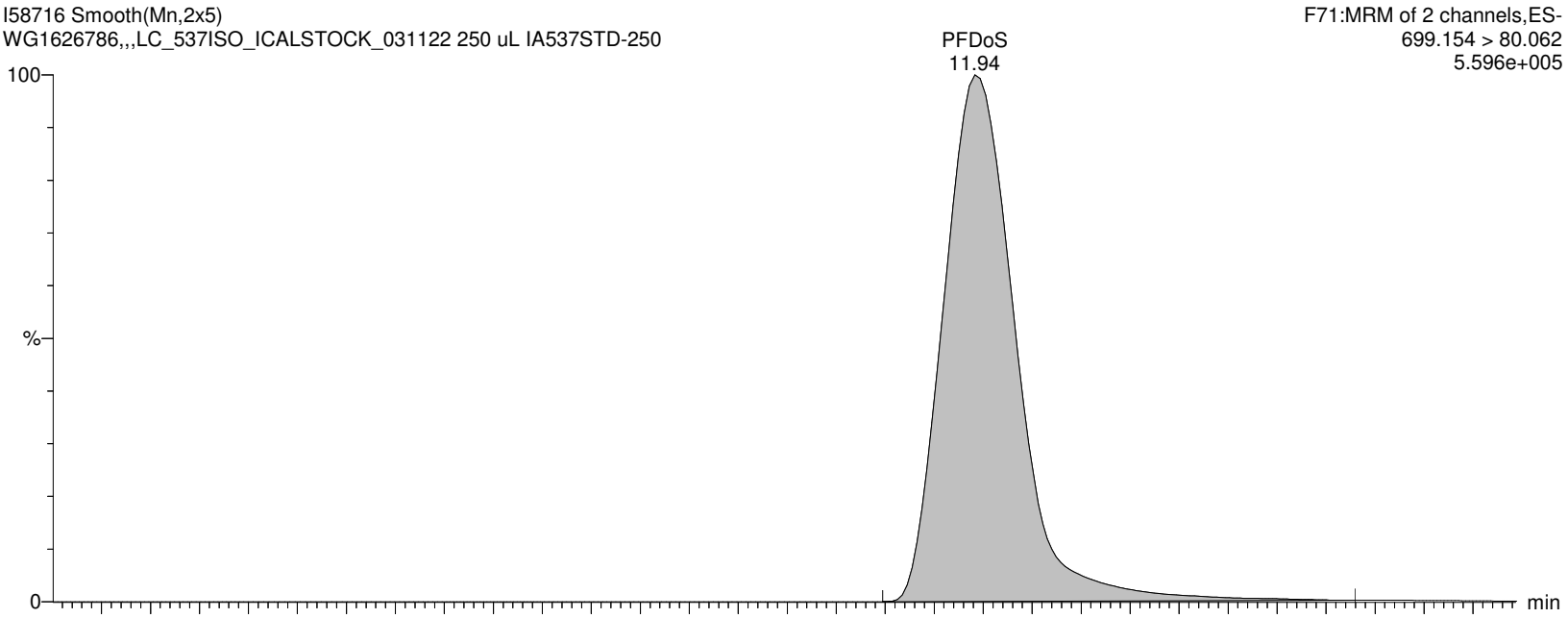


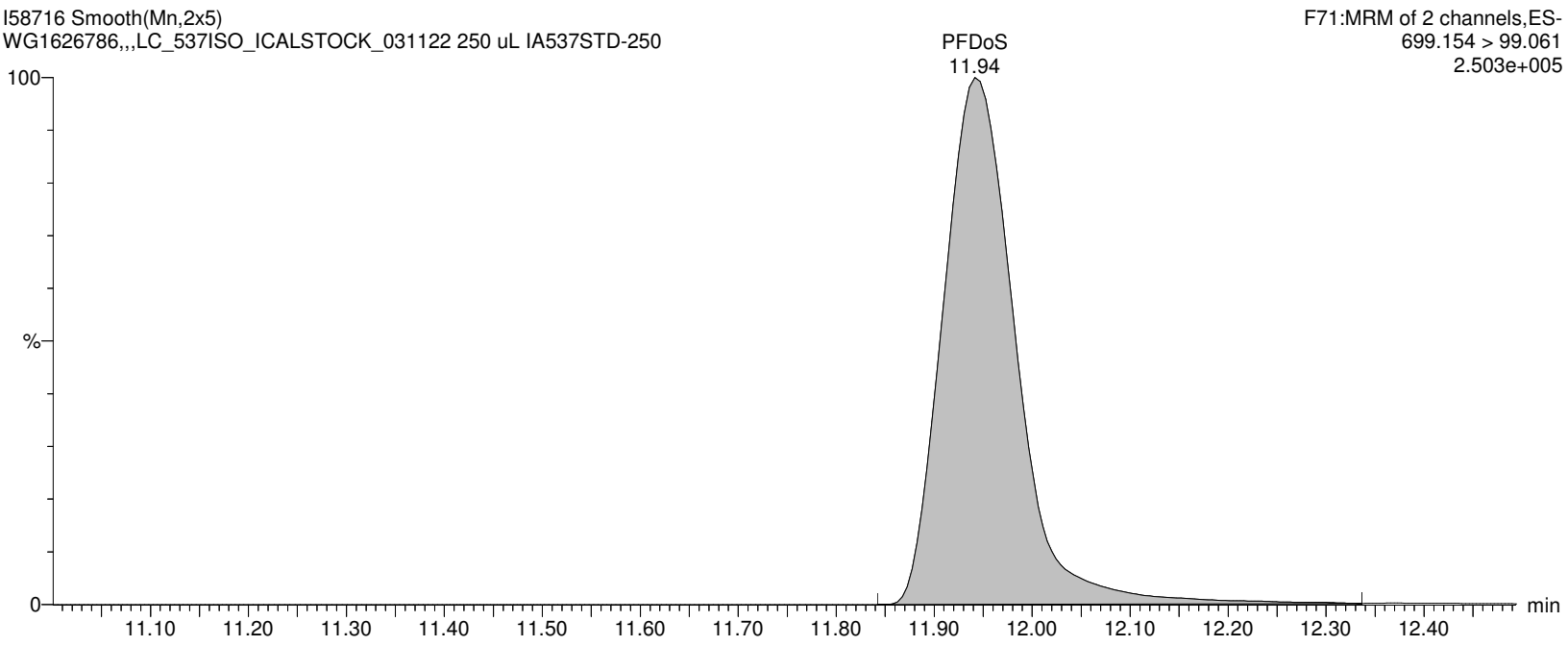
all concentration units in (ng/mL)

Alpha Analytical Inc.
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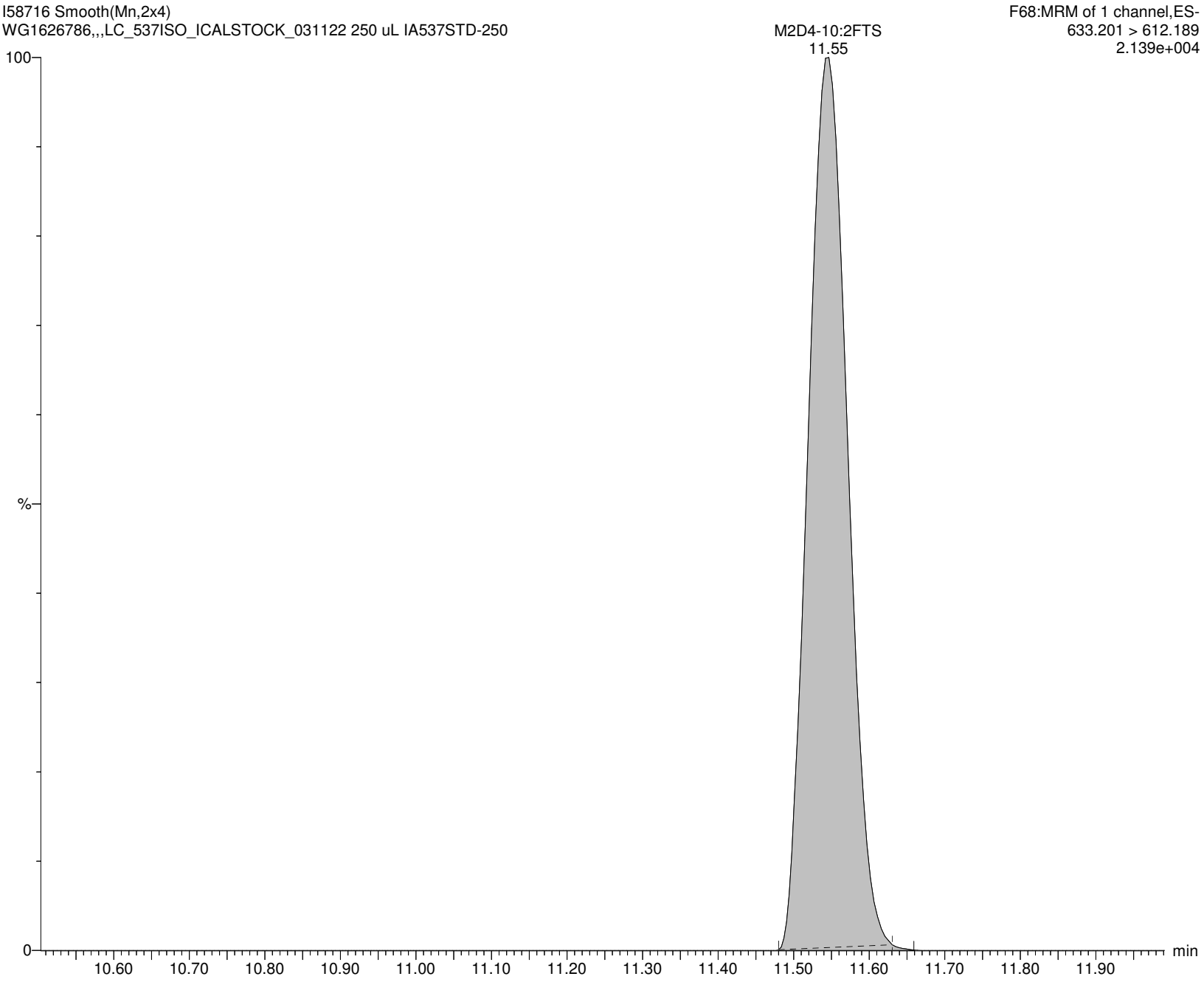


all concentration units in (ng/mL)

Alpha Analytical Inc.
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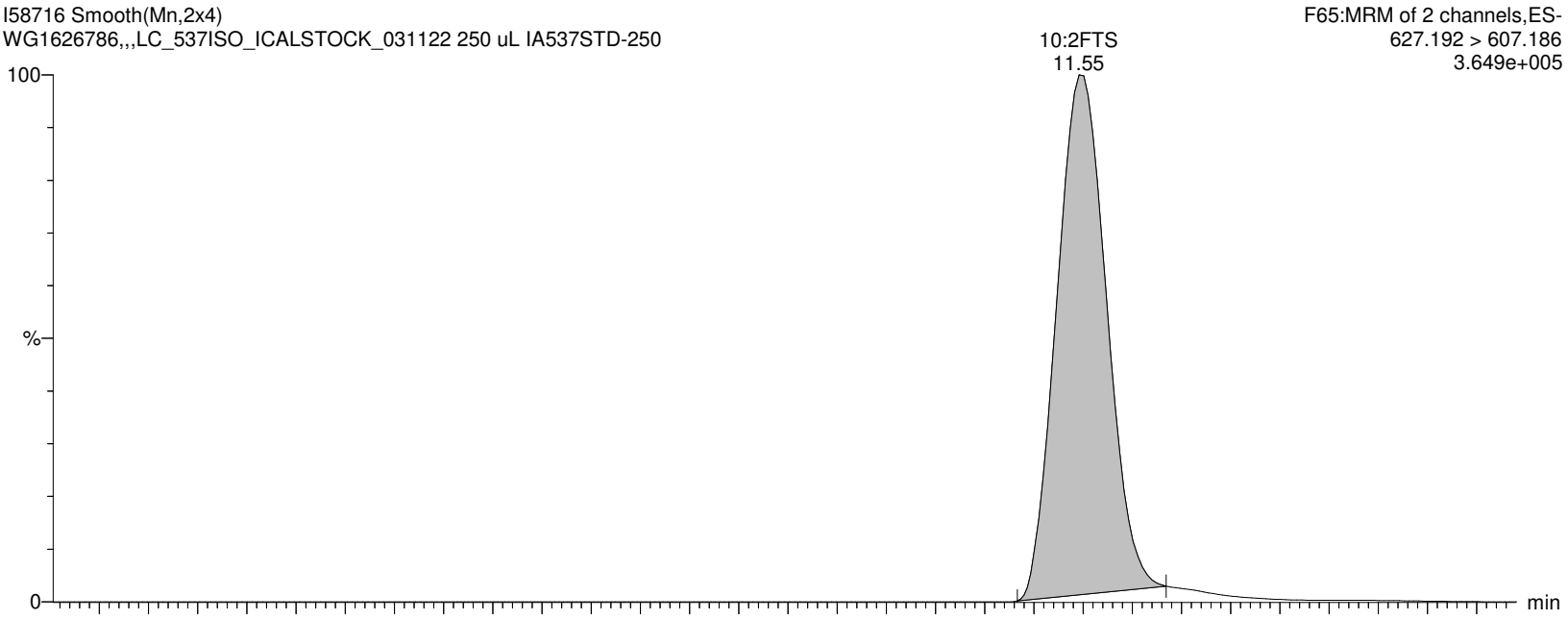


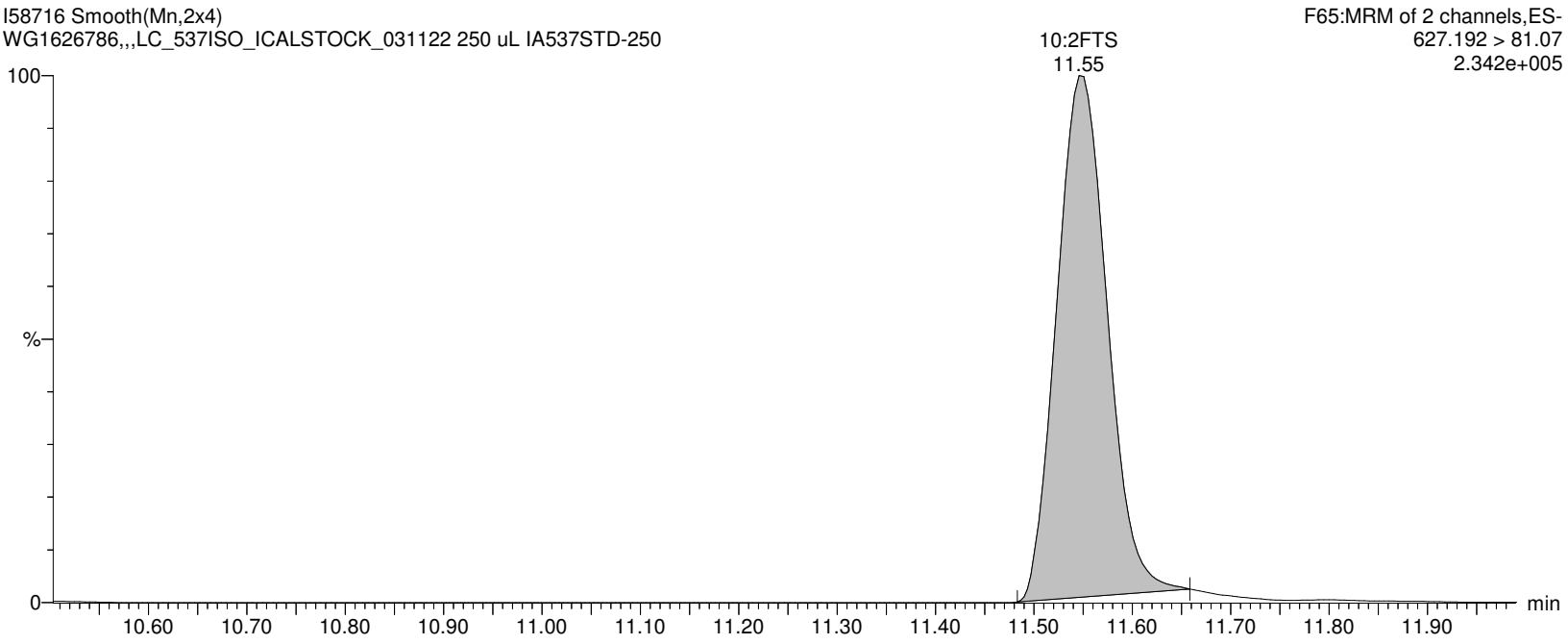
all concentration units in (ng/mL)

Alpha Analytical Inc.
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10:2FTS



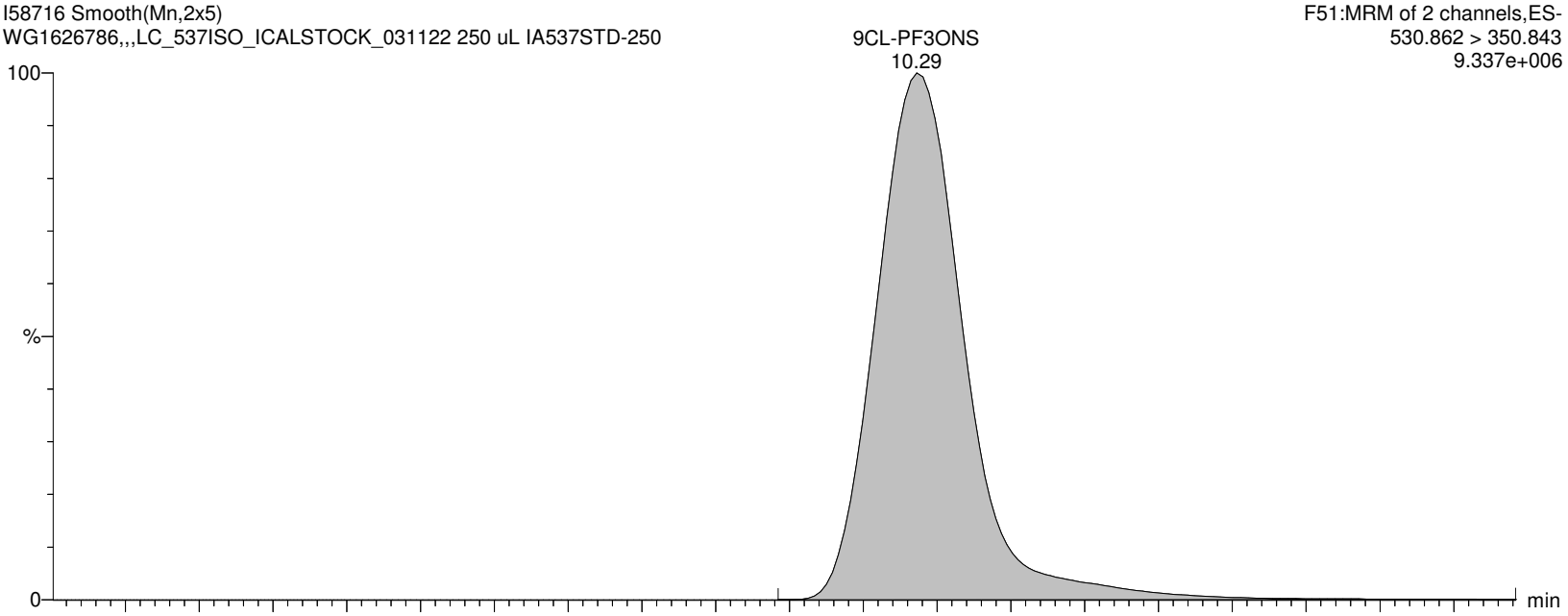


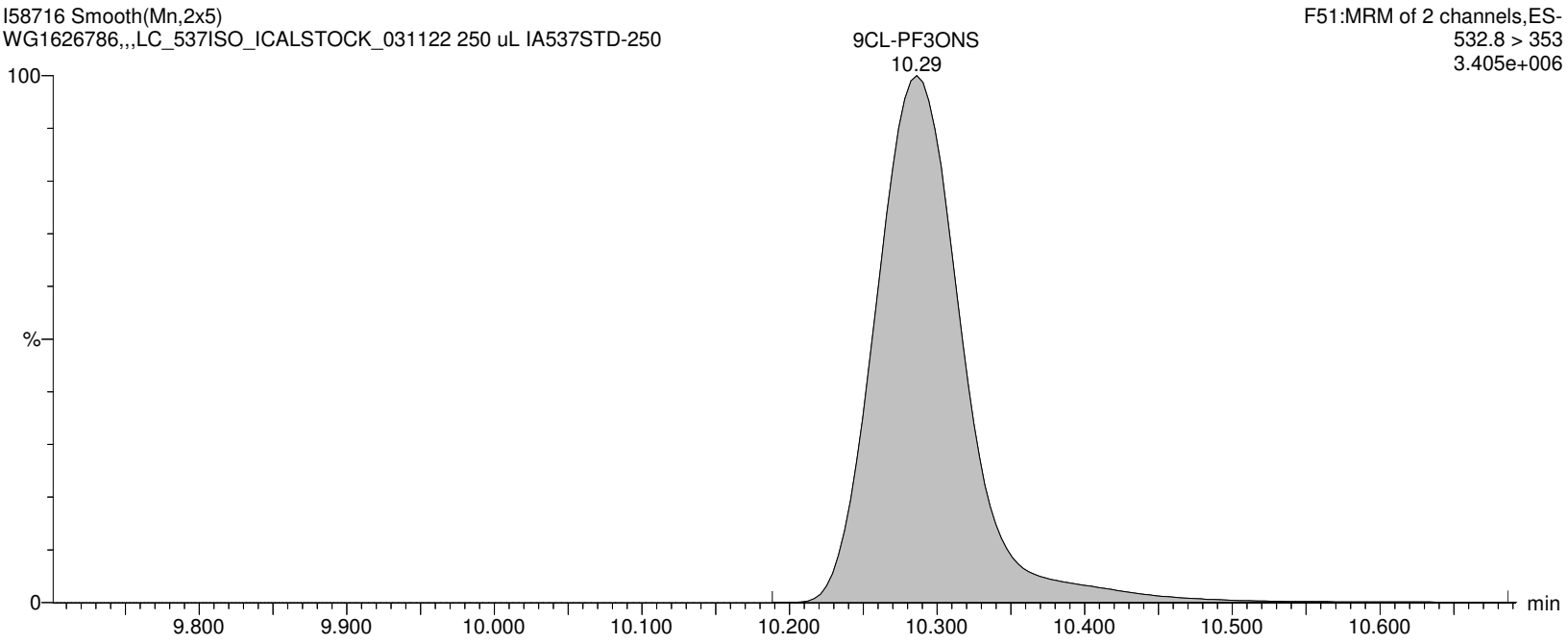
all concentration units in (ng/mL)

Alpha Analytical Inc.
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9CL-PF3ONS



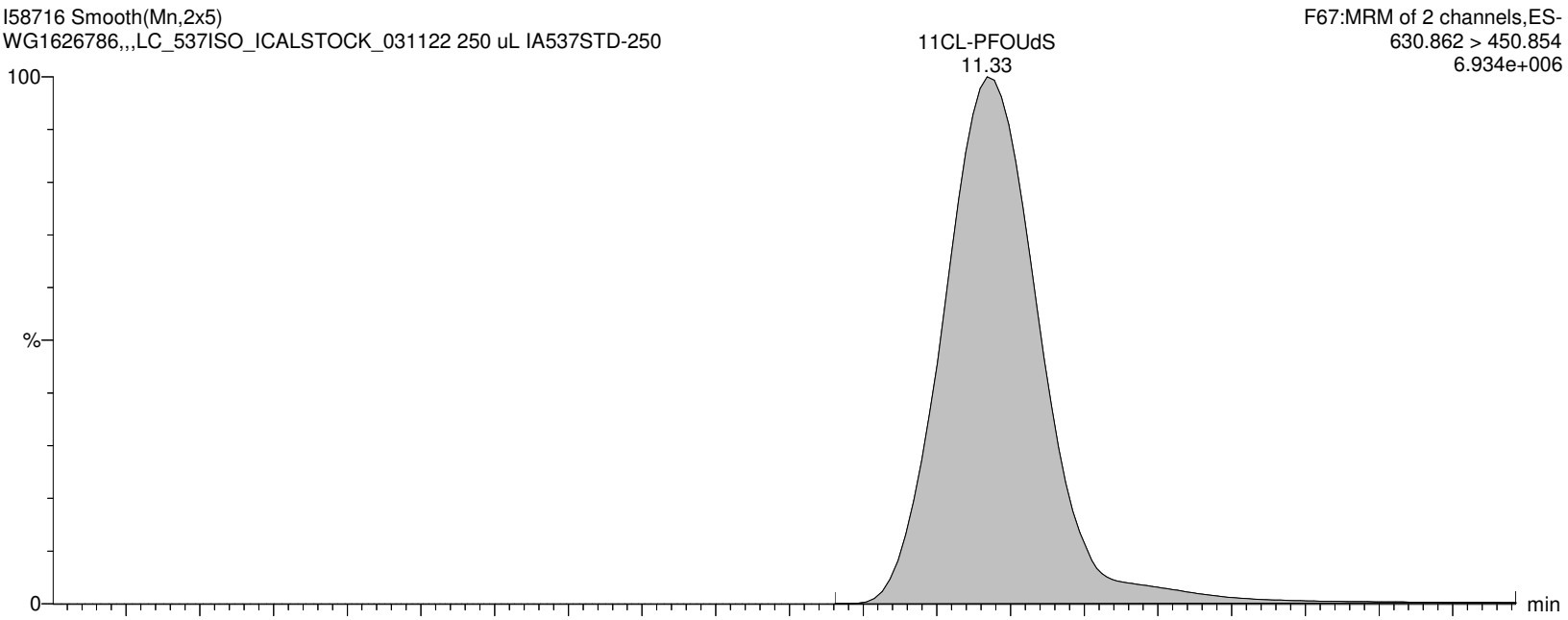


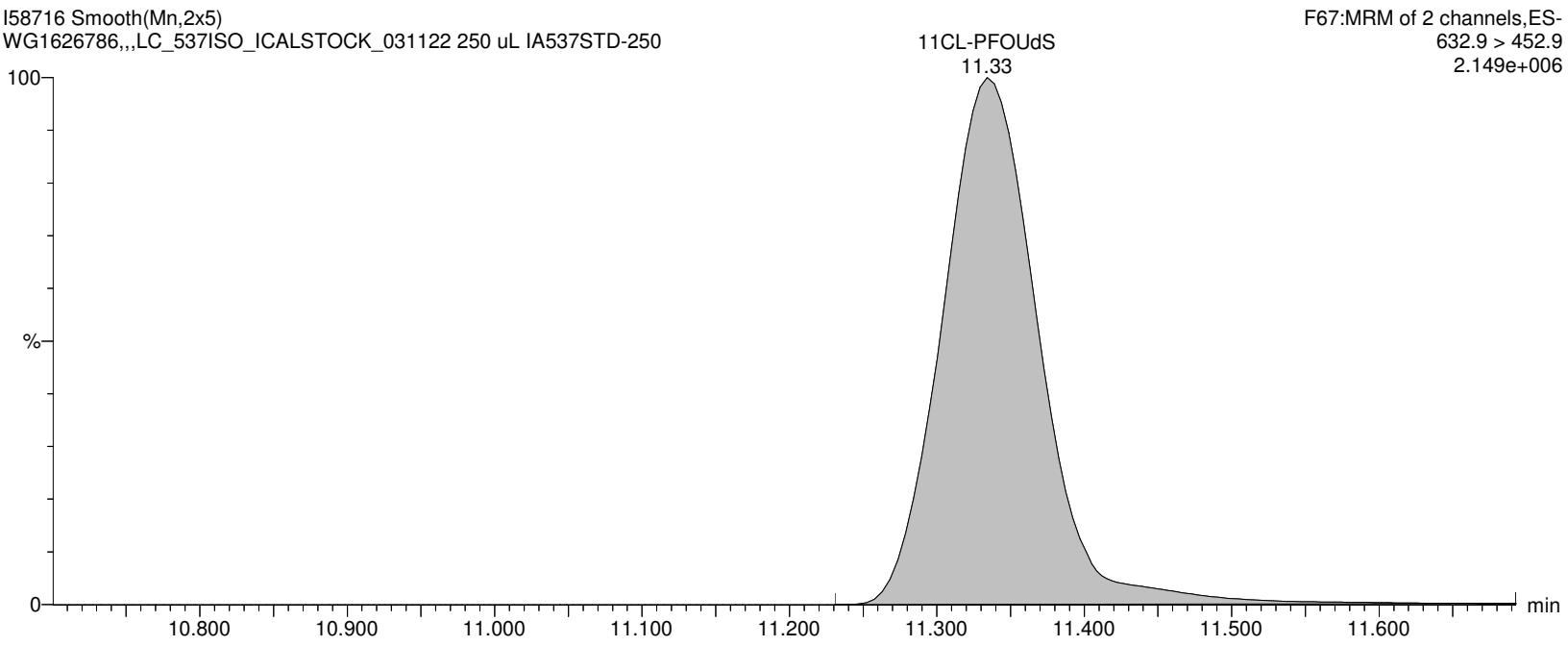
all concentration units in (ng/mL)

Alpha Analytical Inc.
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11CL-PFOUdS



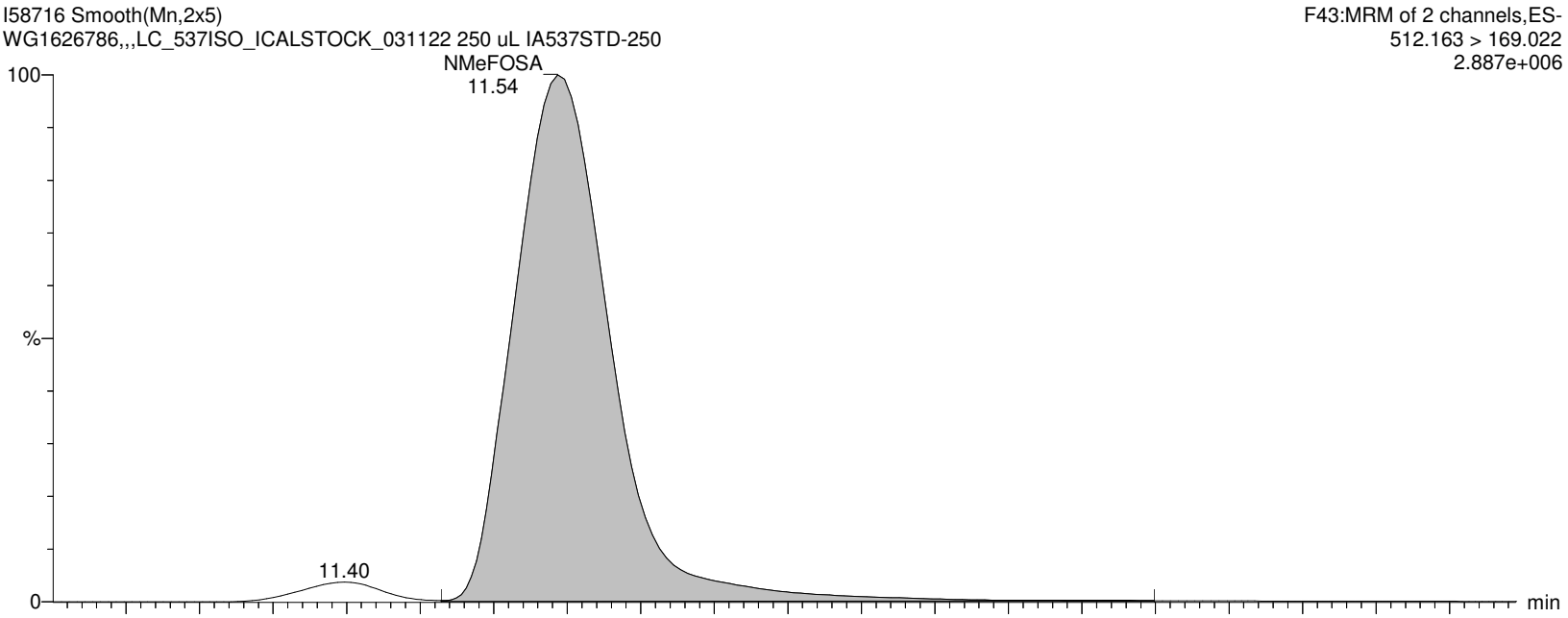


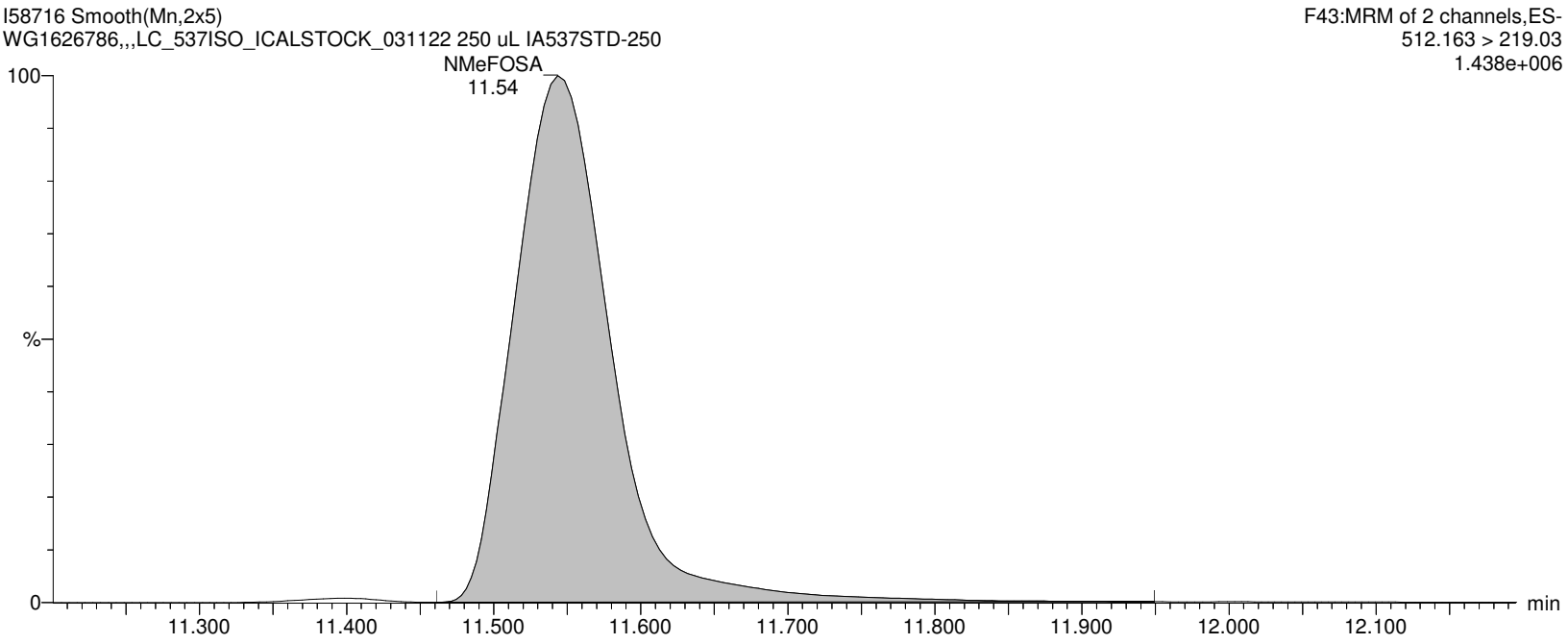
all concentration units in (ng/mL)

Alpha Analytical Inc.
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NMeFOSA



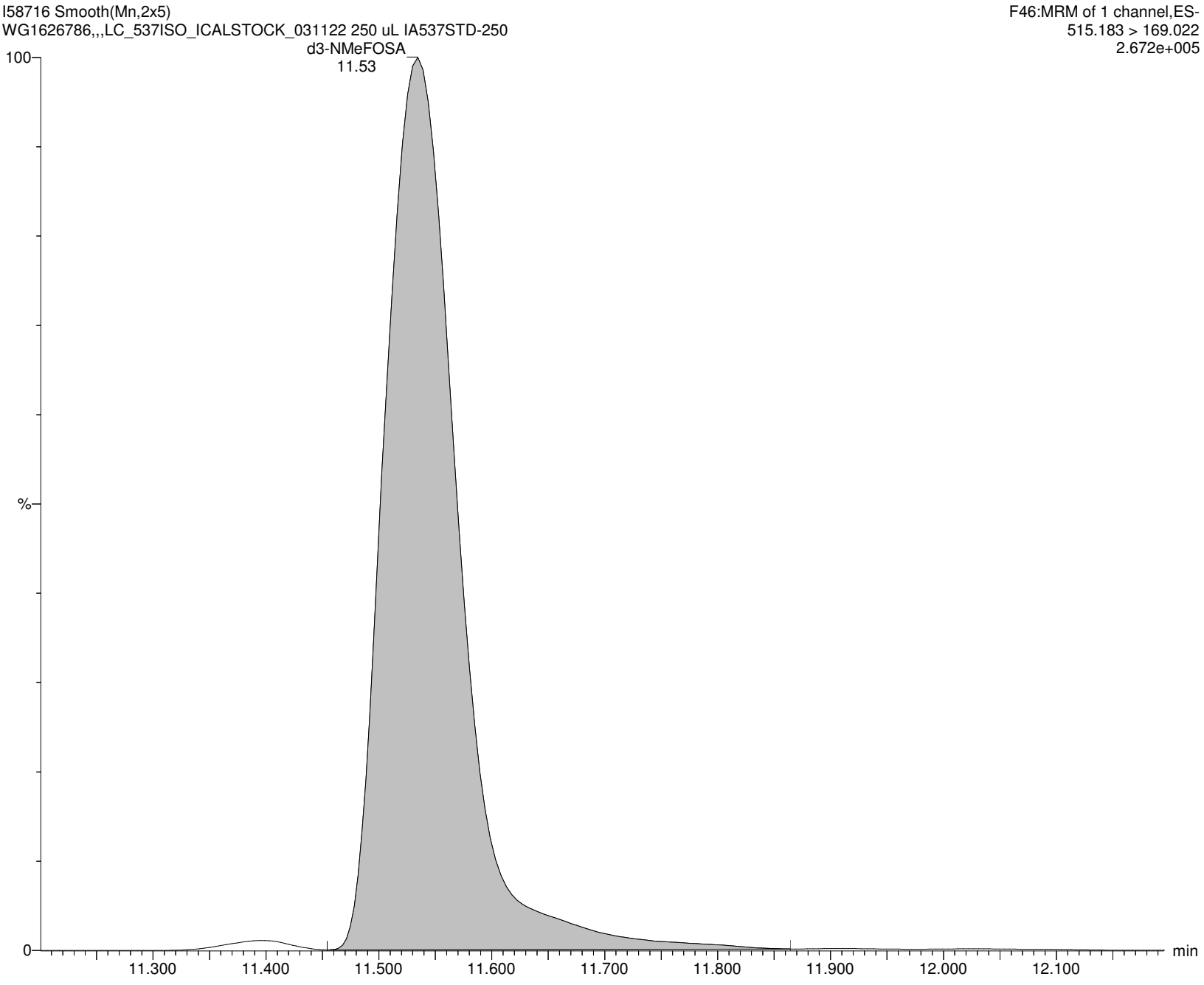


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d3-NMeFOSA

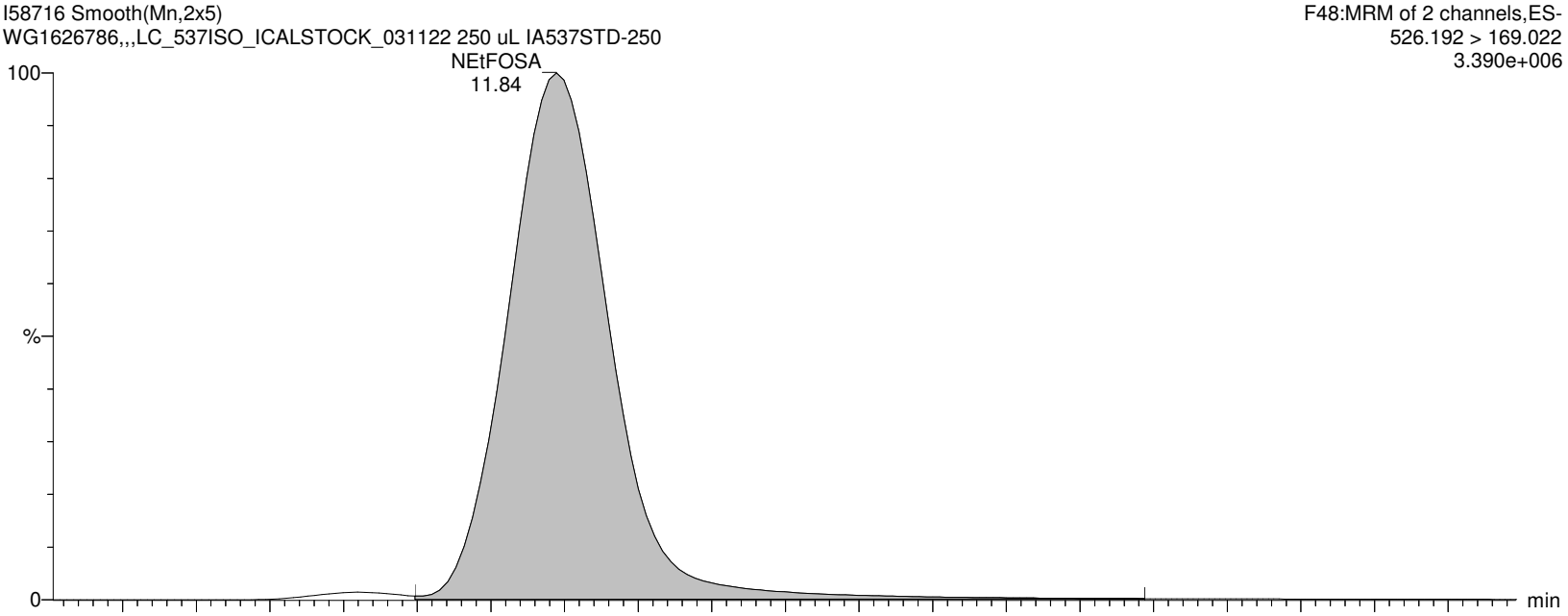


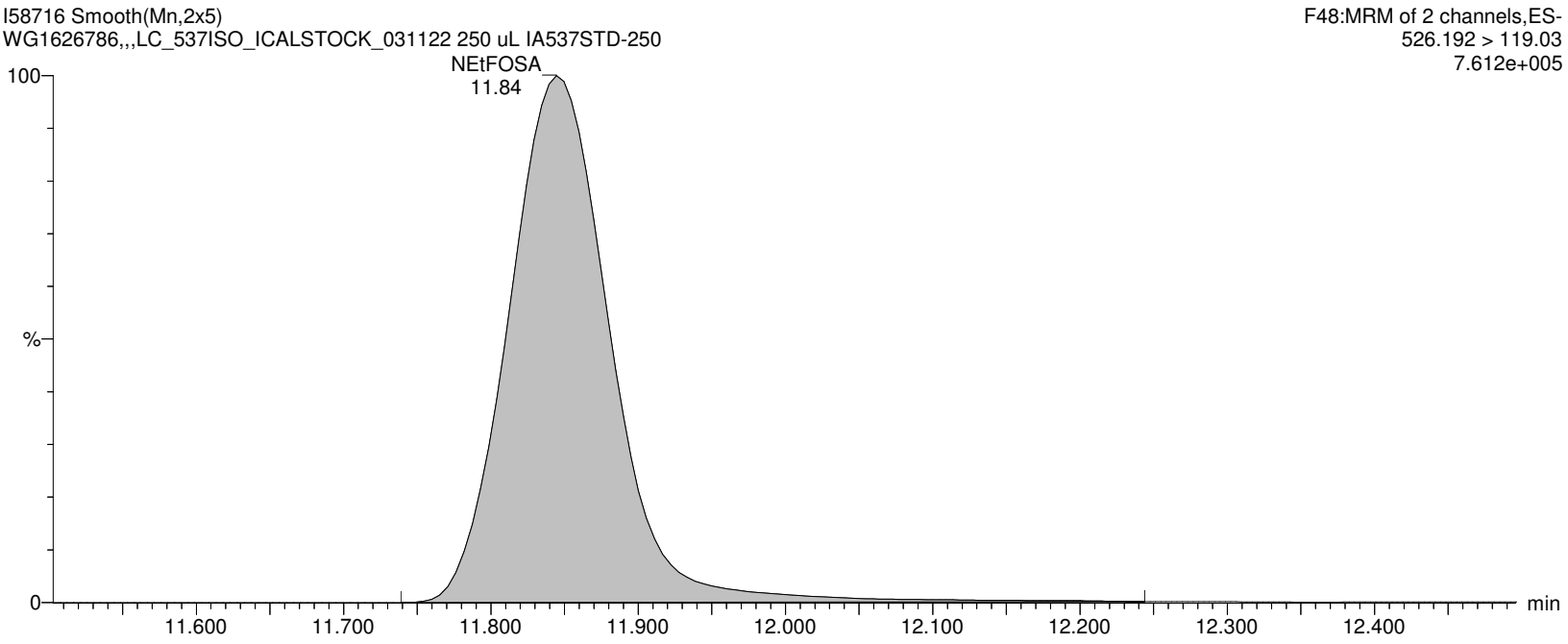
all concentration units in (ng/mL)

Alpha Analytical Inc.
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NEtFOSA



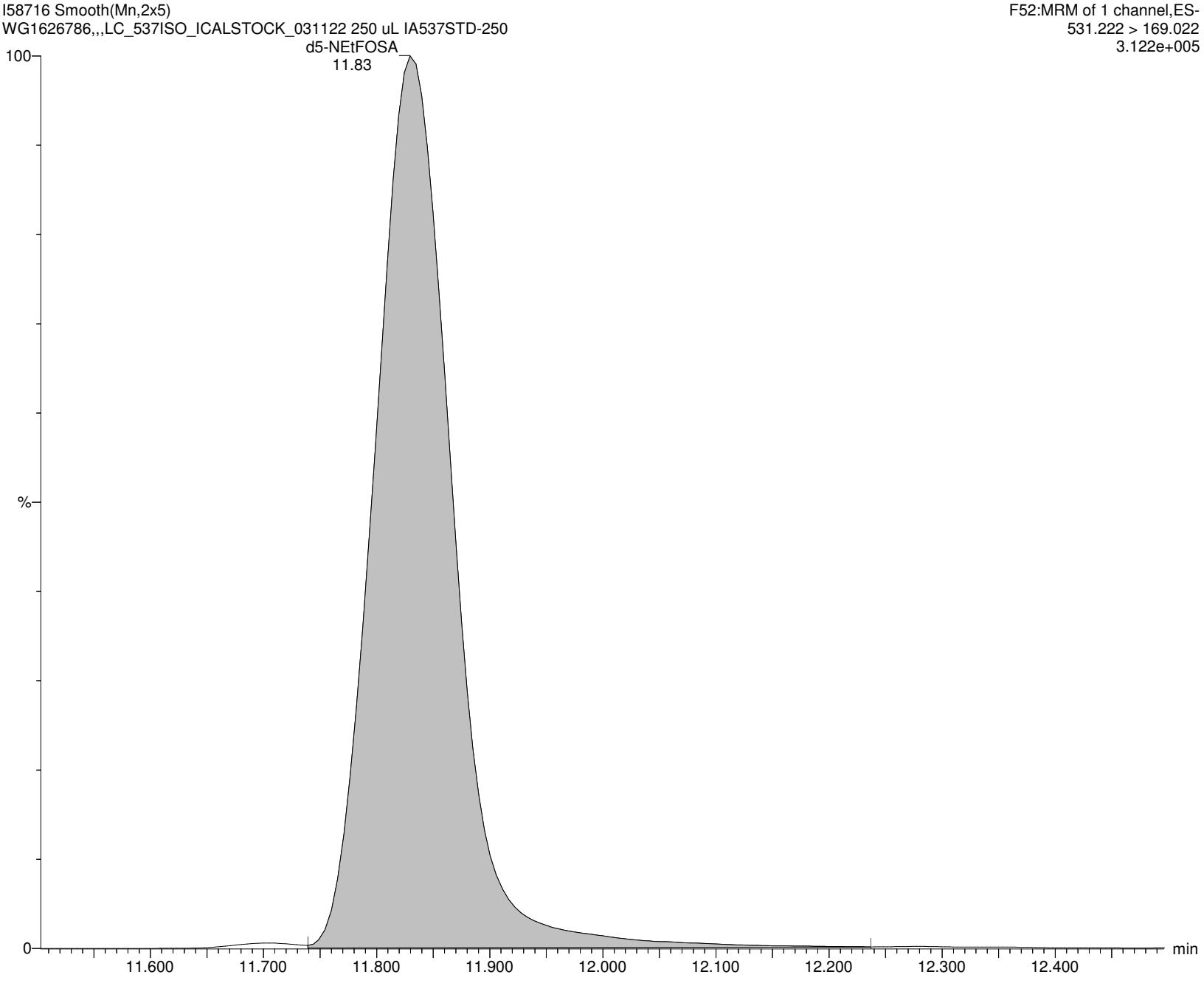


all concentration units in (ng/mL)

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d5-NEtFOSA

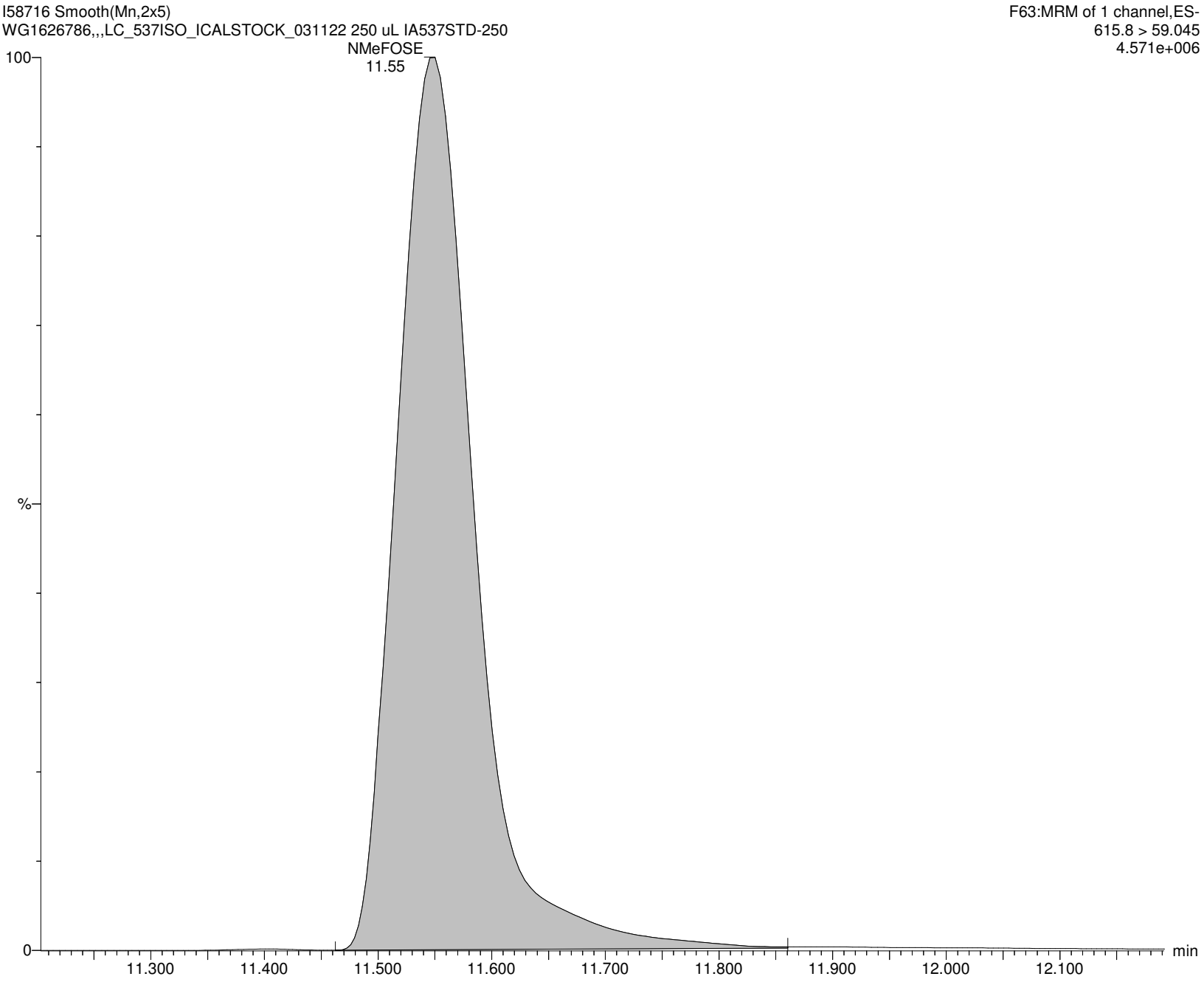


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:30 Eastern Daylight Time

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ID: IA537STD-250
Date: 13-Apr-2022
Time: 18:29:11
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User: LCMS02:MP
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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NMeFOSE

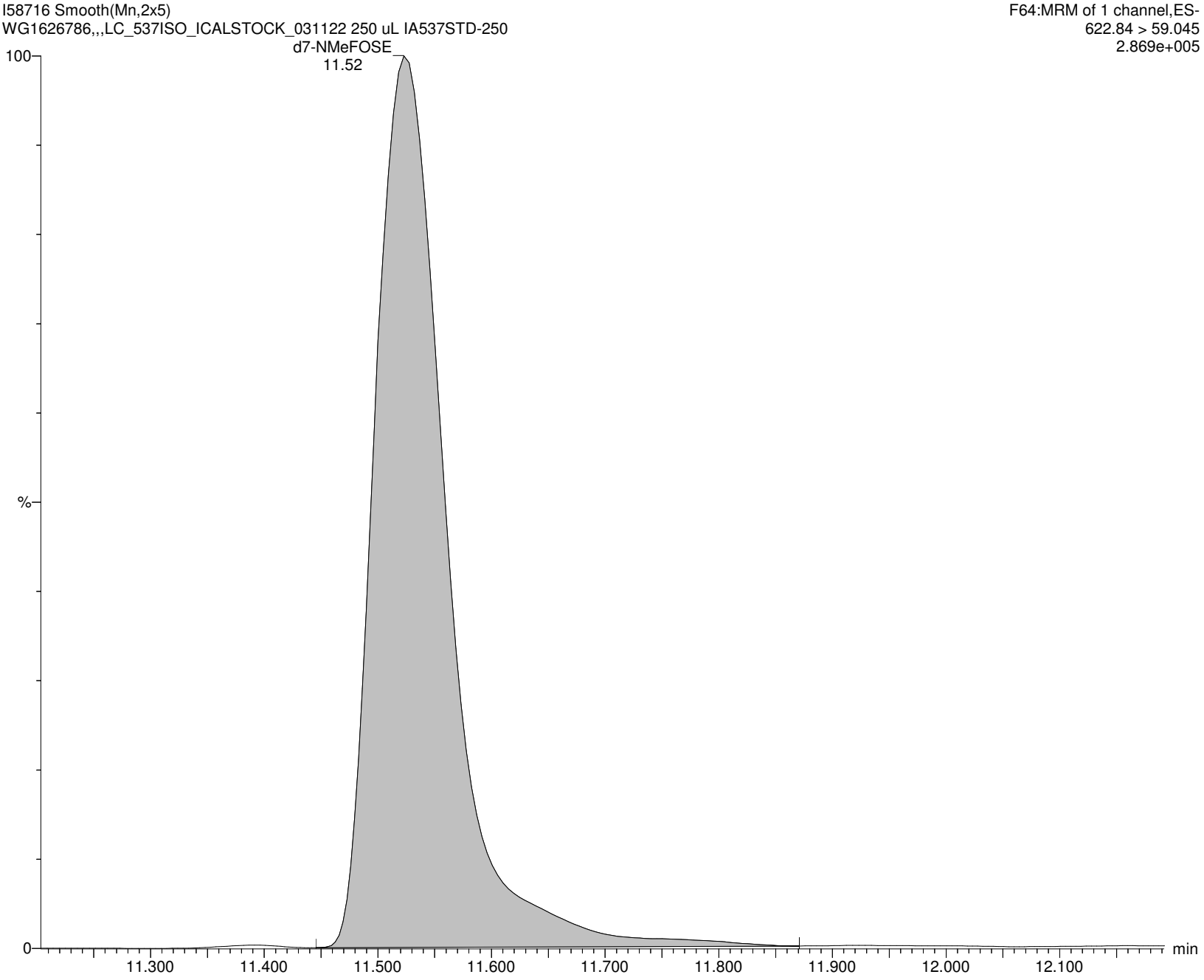


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Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

d7-NMeFOSE

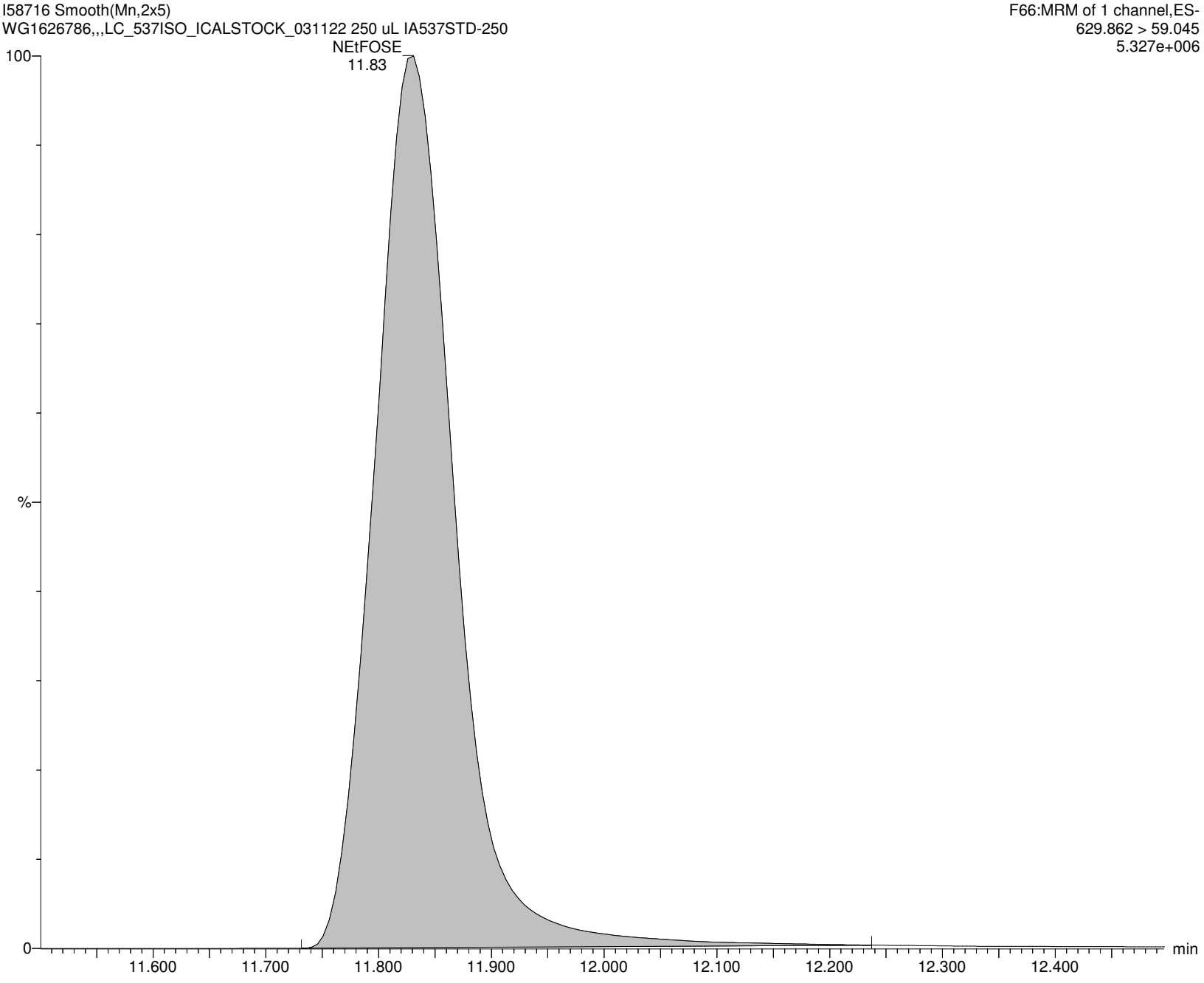


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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NEtFOSE

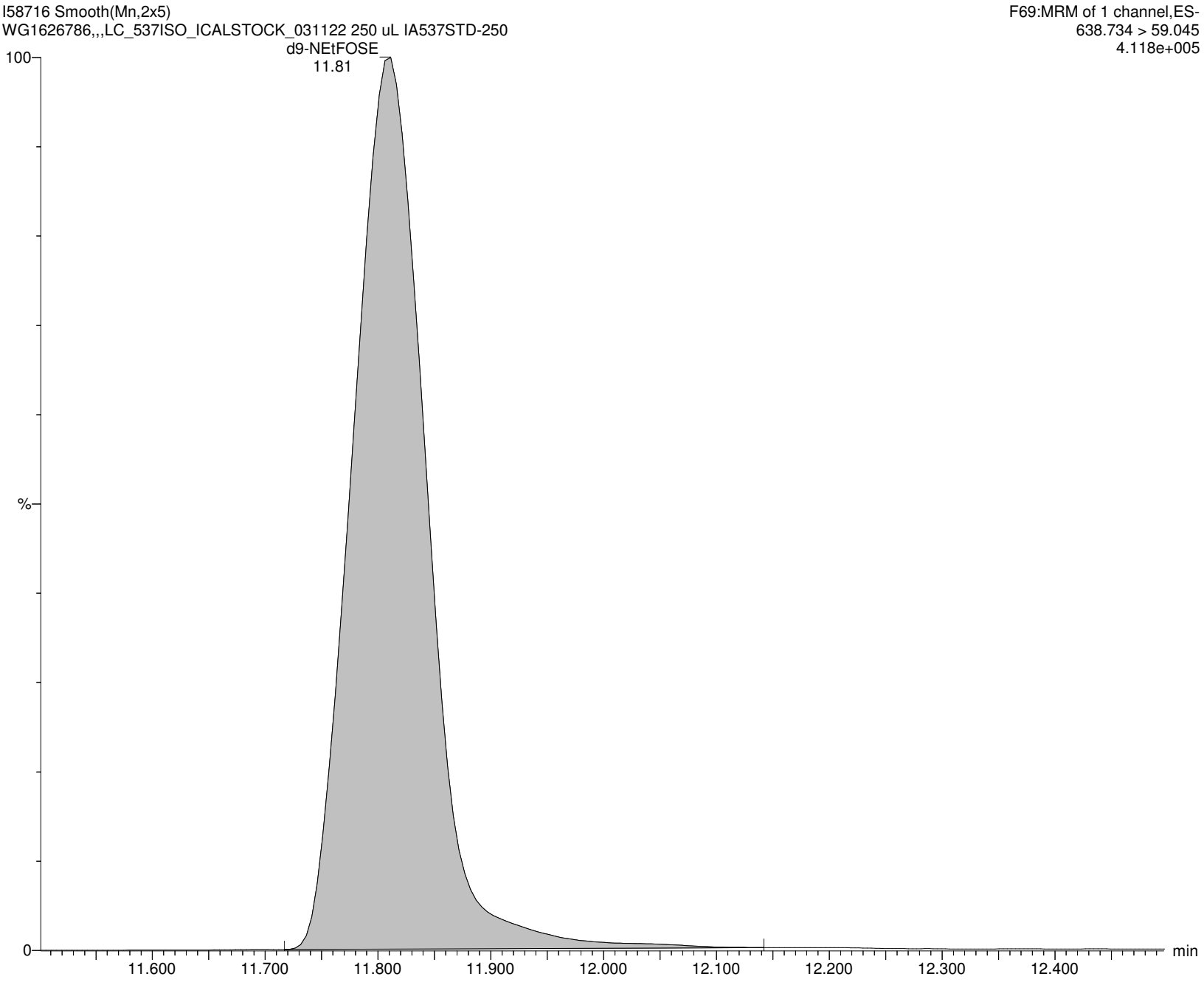


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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d9-NEtFOSE

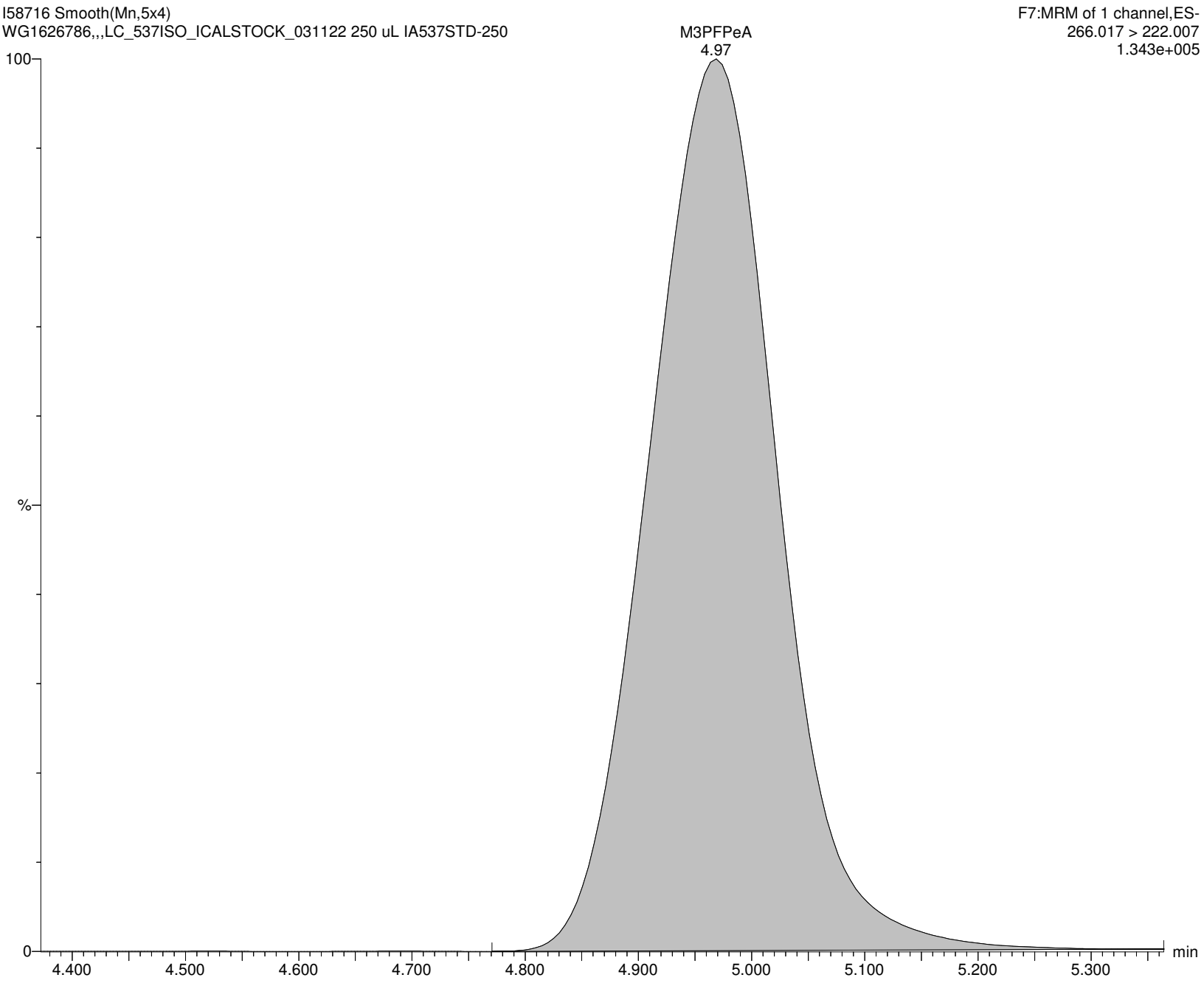


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Time: 18:29:11
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Vial: 1:B,2
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M3PFPeA

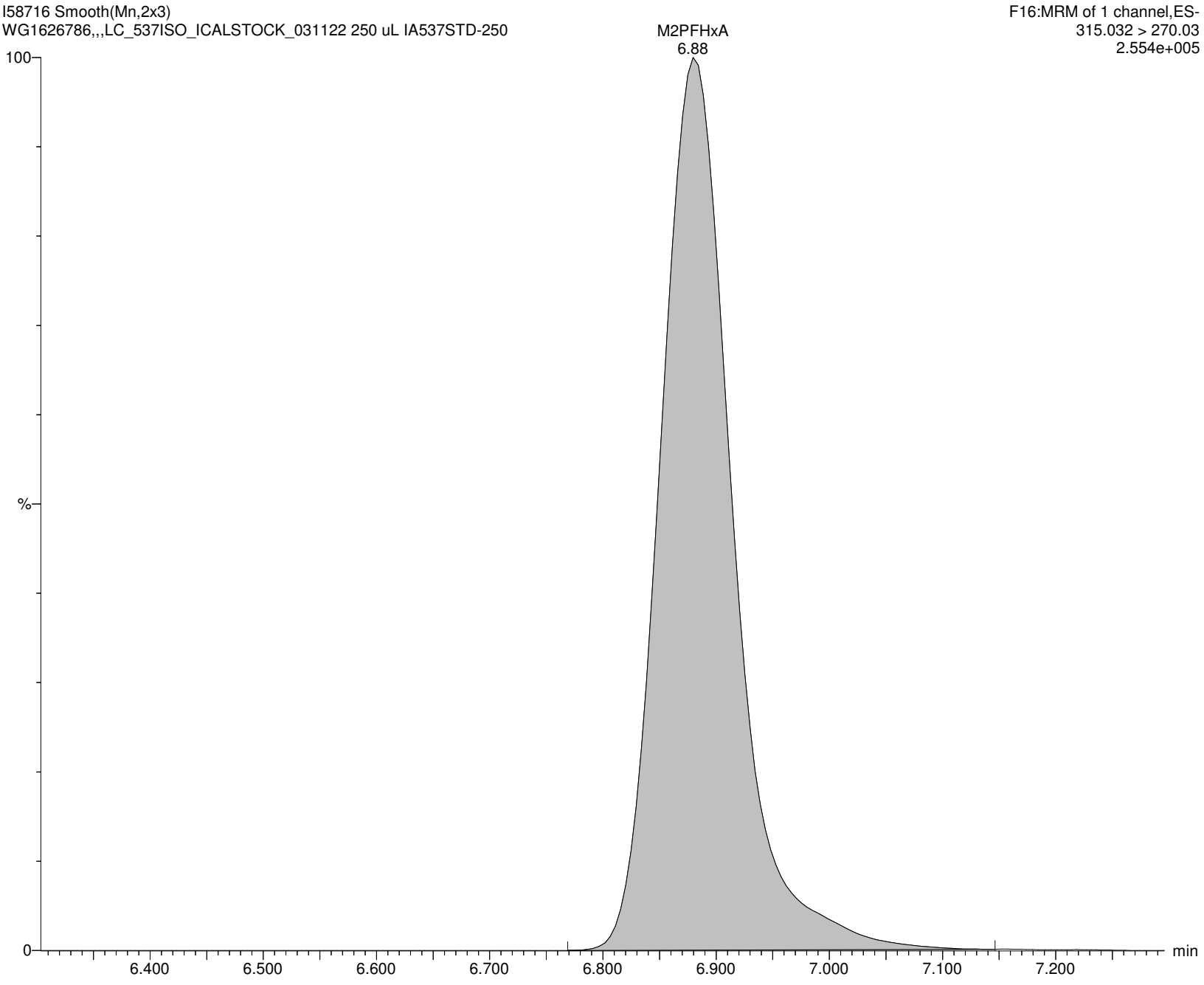


all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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M2PFHxA

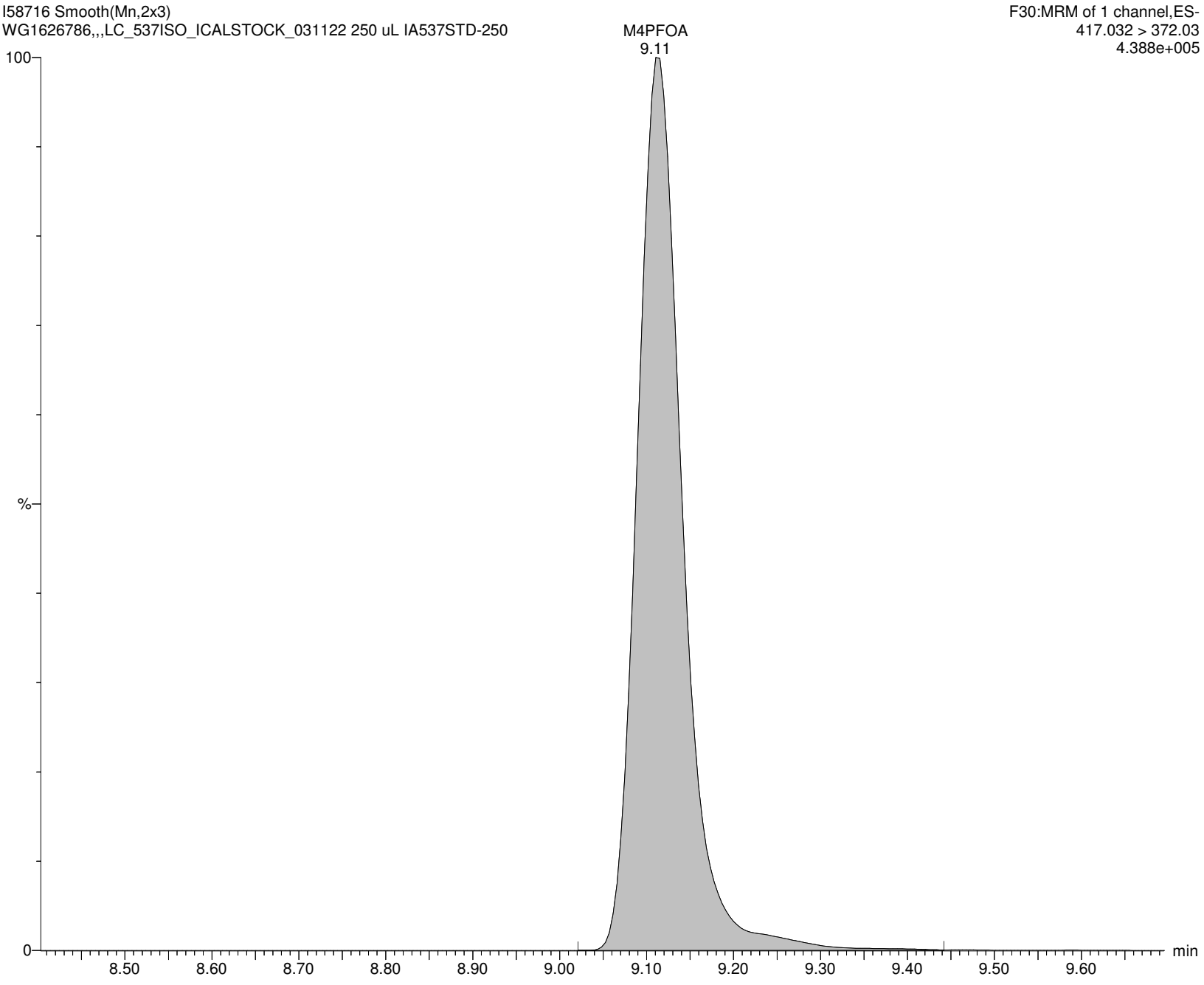


all concentration units in (ng/mL)

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M4PFOA

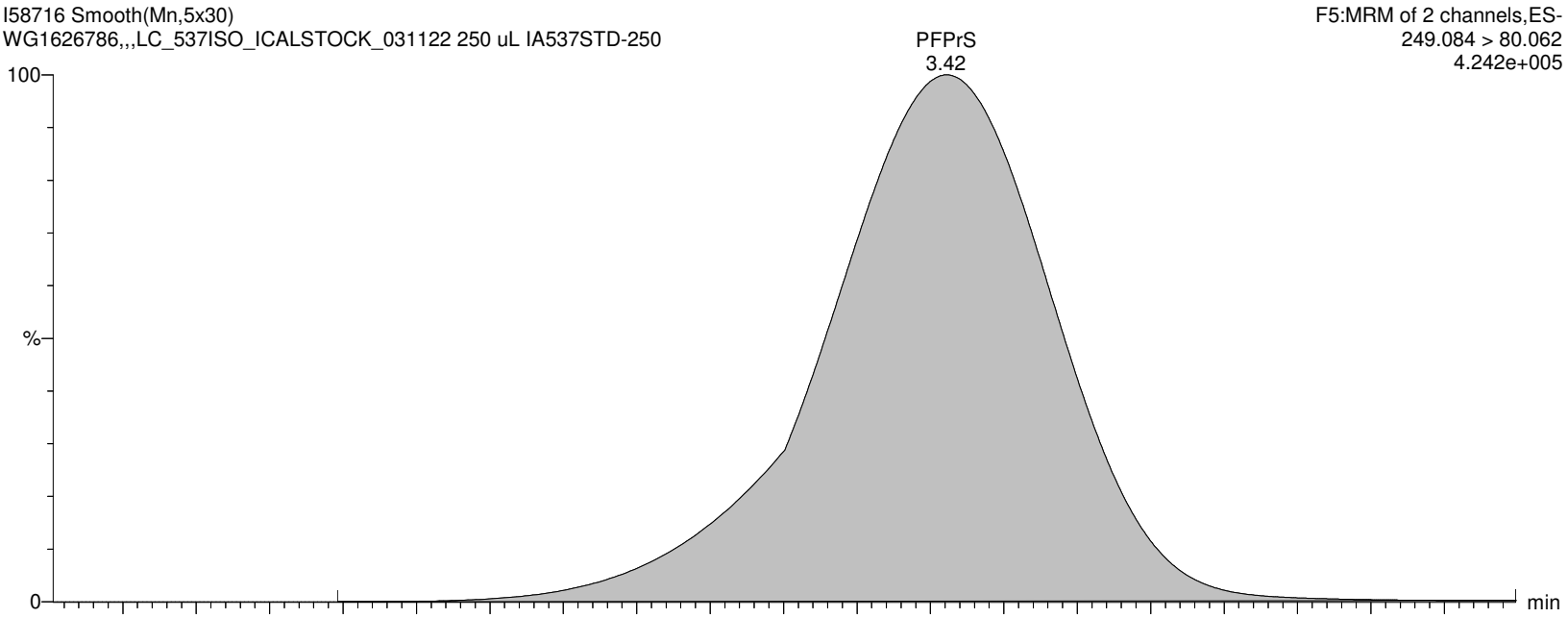


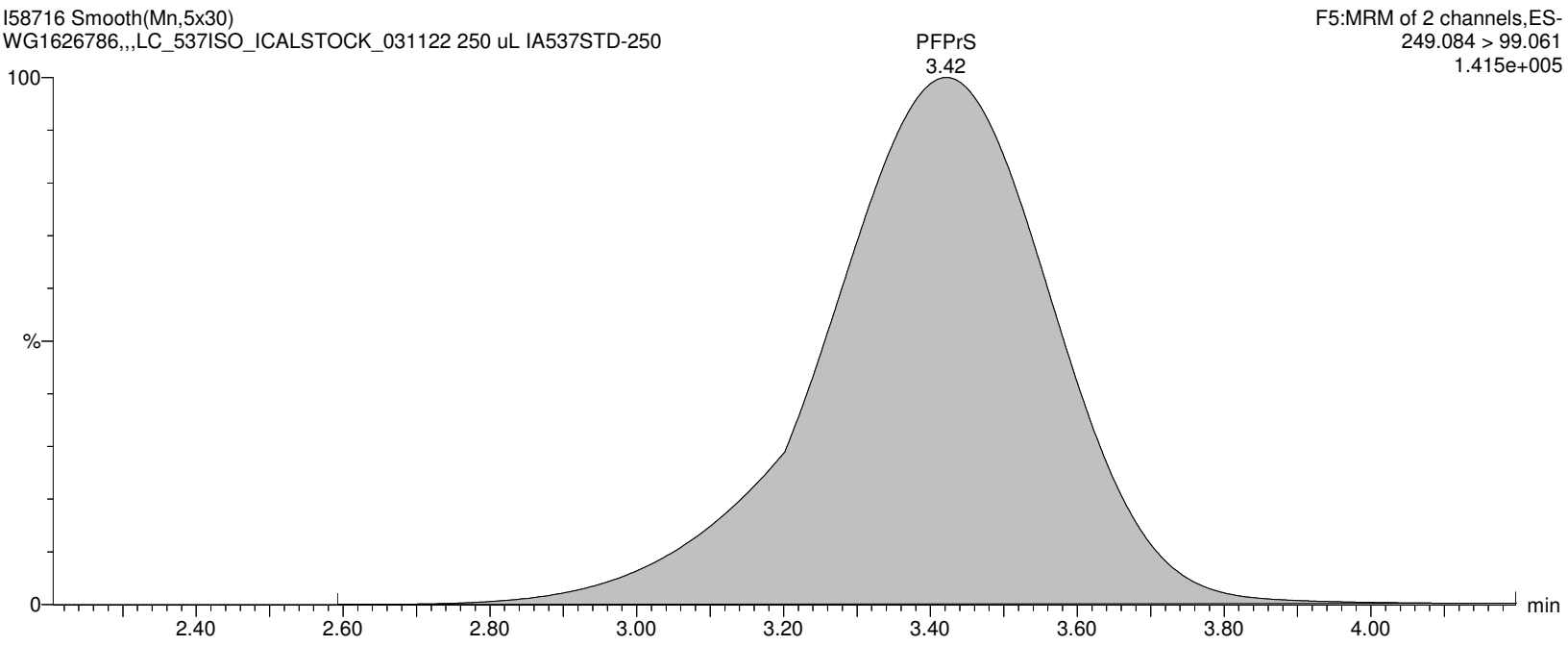
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFPrS



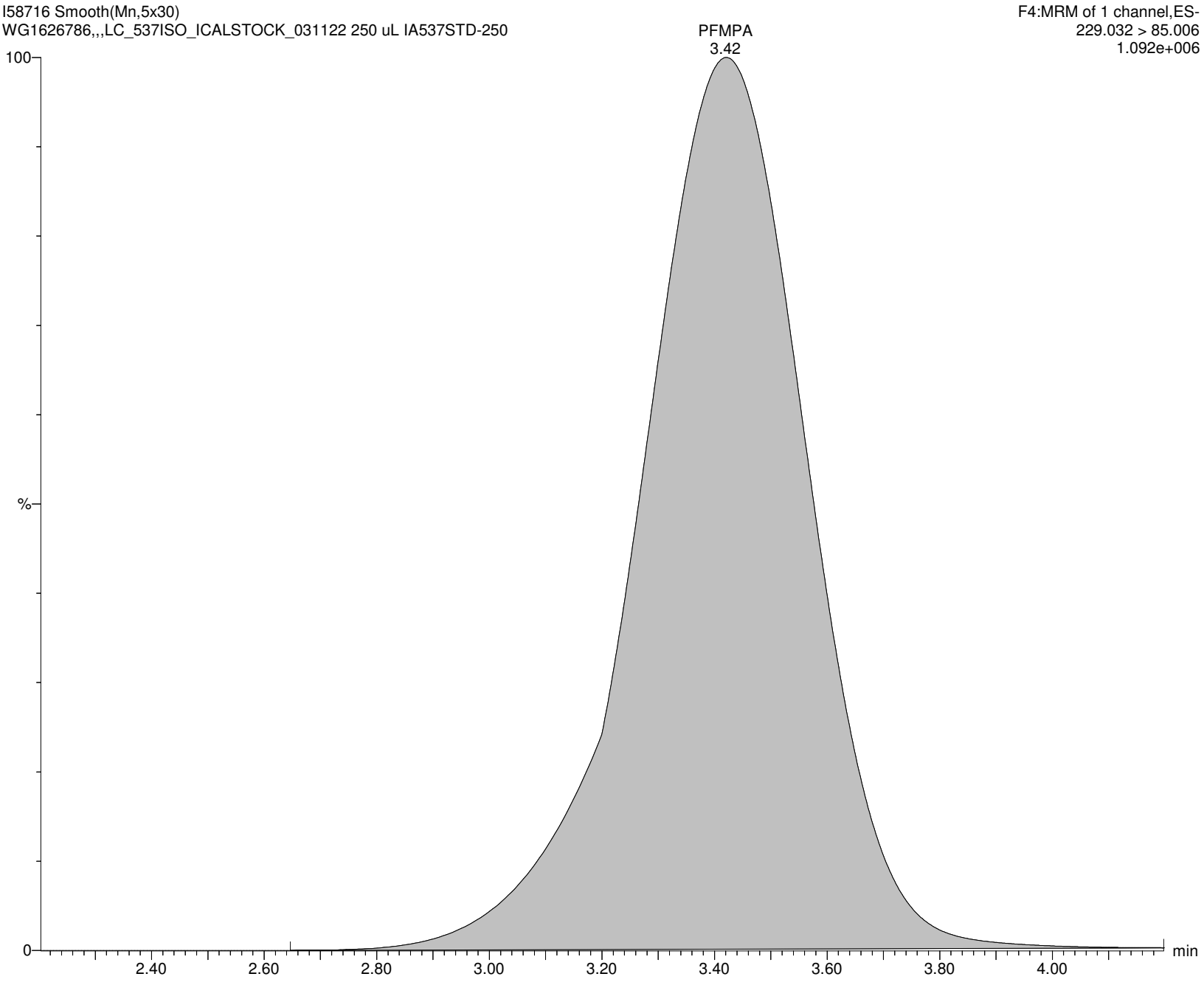


all concentration units in (ng/mL)

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PFMPA

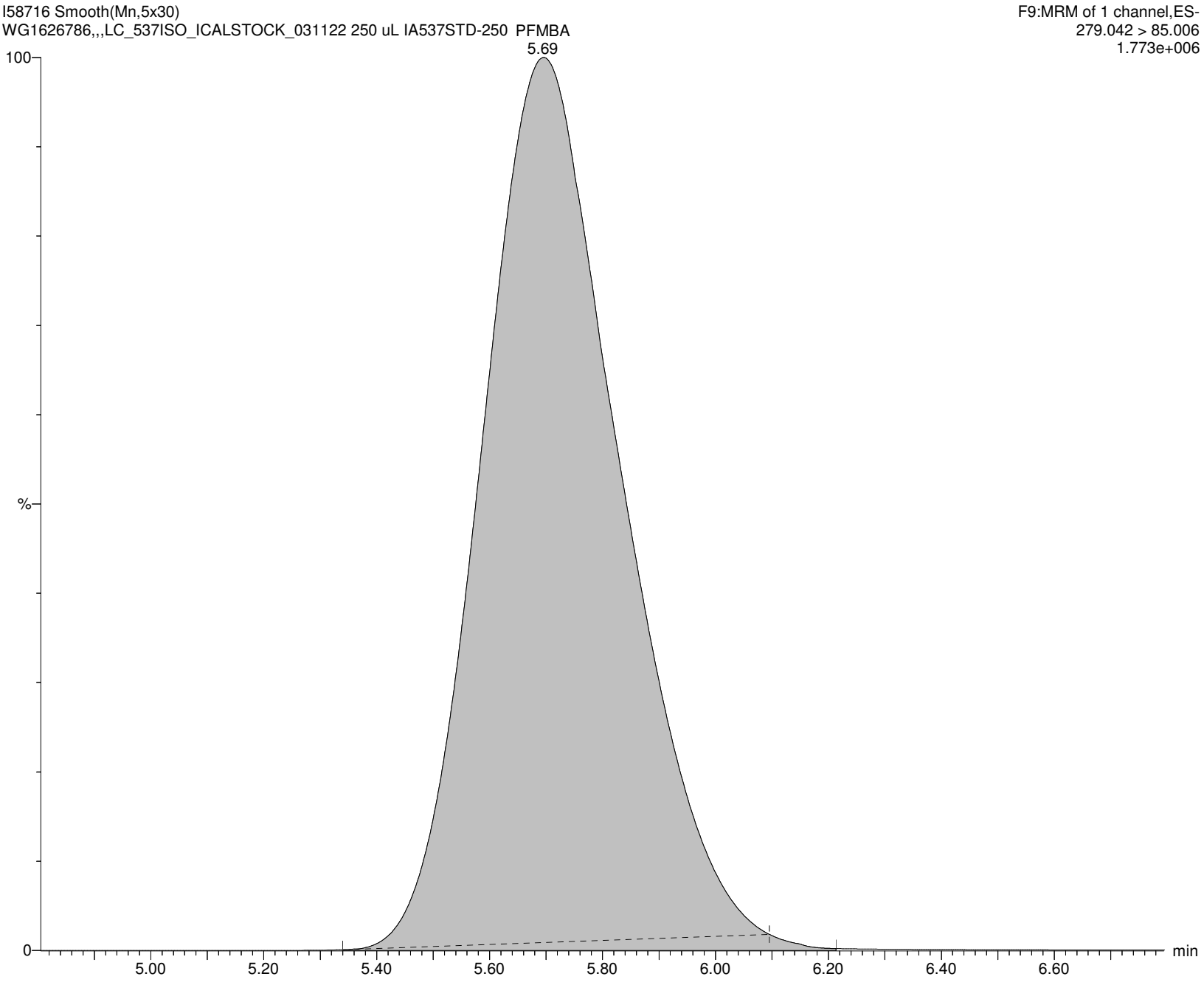


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
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PFMBA

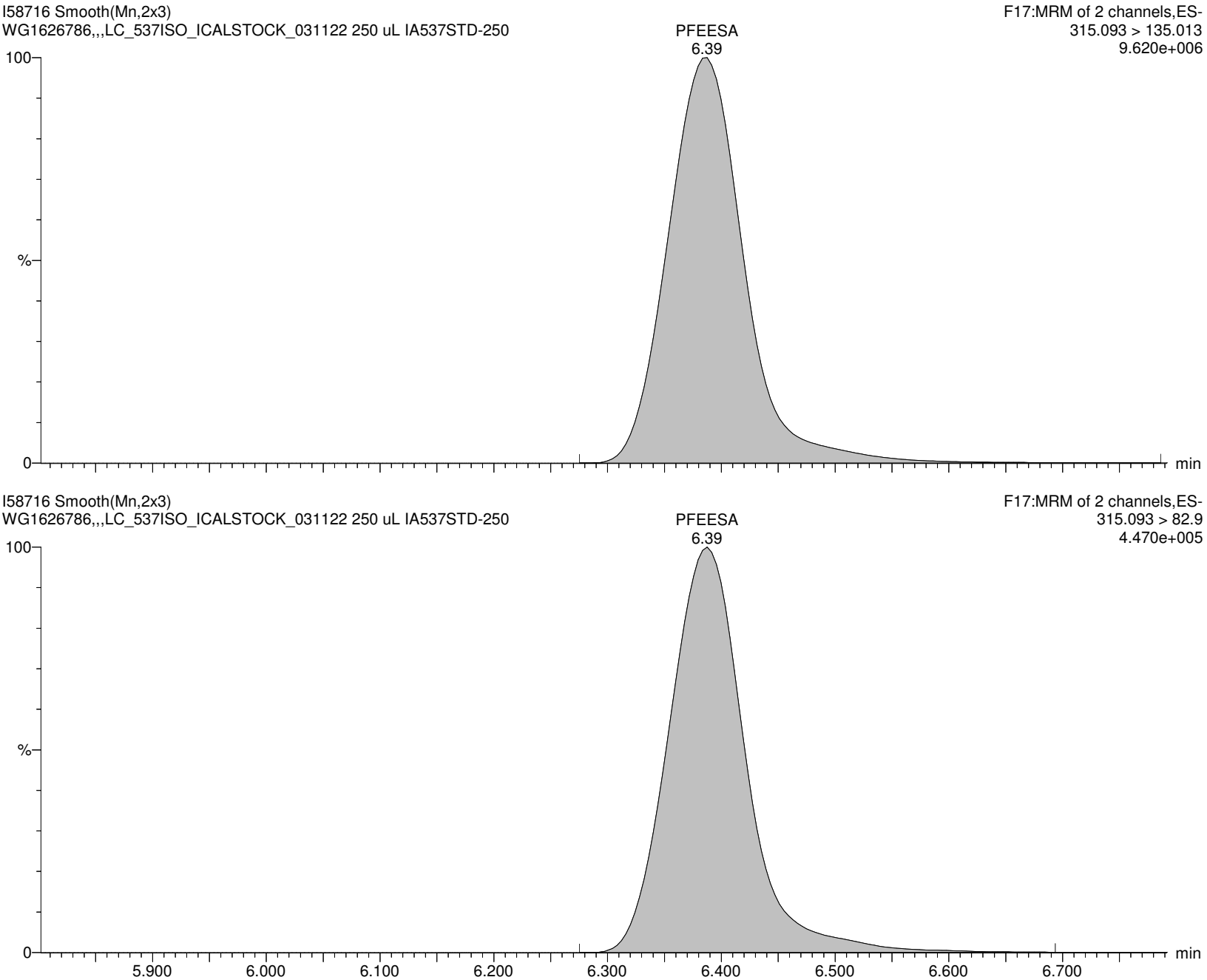


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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PFEESA

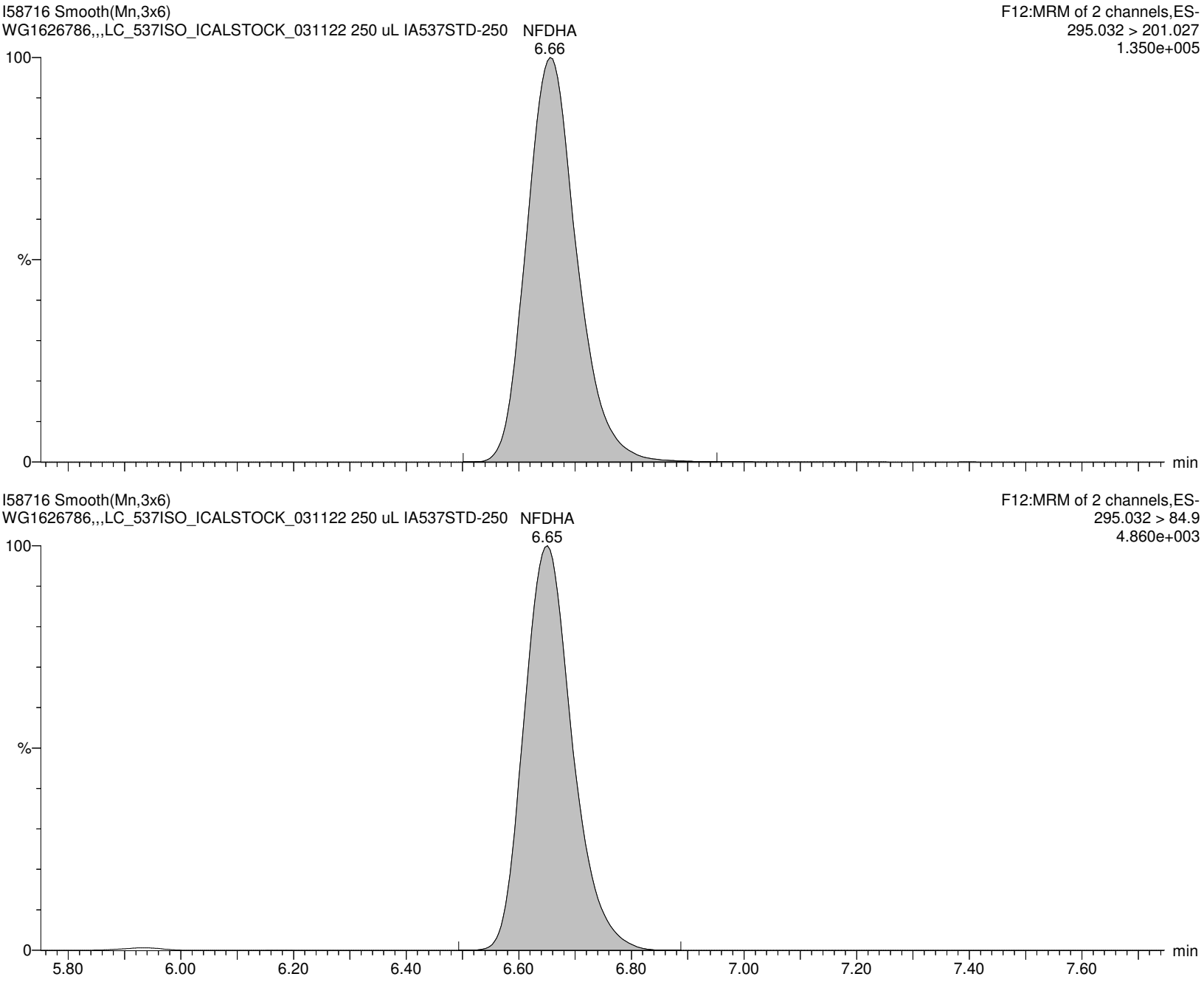


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA



all concentration units in (ng/mL)

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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:09 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 13:33:56
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ID: IA537STD-.5
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	1211		0.485		na	97.1
2	M3PFBA	INT STD	2.11	216.009 > 171.999	26063		10.232		na	102.3
3	MPFBA	INT STD	2.11	217.001 > 171.999	29082		10.002		na	100.0
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	1345		0.478		na	95.6
5	M5PFPEA	INT STD	4.97	268.001 > 222.999	36433		10.201		na	102.0
6	PFBS	375-73-5	5.63	299.092 > 80.062	285		0.386	1.73	NO	87.0
7	M3PFBS	INT STD	5.63	302.069 > 80.062	6677		9.252		na	99.3
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	93	M7	0.328	1.93	NO	70.0
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	2607		8.093		na	86.3
10	PFHxA	307-24-4	6.88	313.047 > 269.037	2121	M7	0.473	21.32	NO	94.6
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	46121		10.023		na	100.2
12	PFPeS	2706-91-4	7.21	349.1 > 80.062	272		0.407	2.25	NO	86.6
13	PFHpA	375-85-9	8.17	363.055 > 319.045	2669	M7	0.479	6.81	NO	95.8
14	M4PFHpA	INT STD	8.17	367.025 > 322.022	55412		10.063		na	100.6
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	28	M5,M7	0.056	4.23	YES	59.4
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	227		0.392	1.95	NO	96.6
17	PFHxS	355-46-4		399.107 > 80.062	255		0.448		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	6214		9.182		na	96.9
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	3435		0.472	9.14	NO	94.4
21	PFOA	335-67-1		412.8430 > 368.9430	3435		0.472		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	73916		9.950		na	99.5
23	M2PFOA	INT STD	9.12	414.828 > 369.935	68676		10.531		na	105.3
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	104		0.392	7.59	YES	82.3
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	2553		8.818		na	92.7
26	PFHpS	375-92-8	9.21	449.115 > 80.062	172	M7	0.393	1.20	NO	82.5
27	PFNA	375-95-1	9.88	462.8510 > 418.951	2740		0.467	3.74	NO	93.4
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	68869		9.927		na	99.3
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	79	M5,M7	0.083	5.10	YES	78.6
30	L-PFOS	1763-23-1	9.94	498.9030 > 79.9520	260		0.346	1.80	NO	87.8
31	PFOS	1763-23-1		498.9030 > 79.9520	339		0.429		na	
32	M4PFOS	INT STD	9.94	502.8730 > 79.952	6883		10.551		na	105.5
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	8384		9.470		na	98.8
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	3167		0.496	7.19	NO	99.1
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	57786		10.765		na	107.6
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	68470		9.933		na	99.3
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	126		0.308	3.26	NO	64.1
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1952		10.114		na	105.4
39	PFNS	68259-12-1	10.54	549.131 > 80.062	208		0.526	1.80	NO	109.4

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
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ID: IA537STD-.5
Name: I58708
Date: 13-Apr-2022
Time: 19:32:11
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User: LCMS02:MP
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2786		9.763		na	97.6
41	br-NMeFOSAA		10.73	570.202 > 419.061	14	M5	0.115		YES	96.2
42	L-NMeFOSAA		10.90	570.202 > 419.061	141		0.406	1.83	NO	106.8
43	NMeFOSAA	2355-31-9		570.202 > 419.061	156		0.521		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	3008		0.451	11.39	NO	90.3
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	44022		10.736		na	107.4
46	PFDS	335-77-3	11.07	599.139 > 80.062	190		0.478	1.63	NO	99.1
47	FOSA	754-91-6	10.93	498.146 > 78.07	661	M7	0.512	255.50	YES	102.4
48	M8FOSA	INT STD	10.93	506.077 > 78.07	18651		9.682		na	96.8
49	br-NEtFOSAA		10.99	584.229 > 419.061	3	M5,M7	0.035	1.38	YES	31.0
50	L-NEtFOSAA		11.19	584.229 > 419.061	76		0.355	1.09	NO	91.7
51	NEtFOSAA	2991-50-6		584.229 > 419.061	79		0.390		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2133		8.959		na	89.6
53	PFDoA	307-55-1	11.54	613.094 > 569.084	1746	M7	0.562	43.22	YES	112.3
54	MPFDOA	INT STD	11.54	615.079 > 570.077	27810		10.675		na	106.7
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	1314		0.541	12.50	NO	108.2
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	1925		0.538	14.00	NO	107.7
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	53603		9.742		na	97.4
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	7067		236.381		na	118.2
59	HFPO-DA	13252-13-6	7.32	285.035 > 169.022	141	M4,M7	3.525	11.64	YES	70.5
60	ADONA	958445-44-8	8.35	377.06 > 251.028	1980		0.457	28.23	NO	96.8
61	PFHxDA		12.75	813.122 > 768.8565	765		0.744	17.17	NO	148.9
62	PFODA		12.97	913.411 > 868.7332	95	M7	0.465	48.63	YES	93.0
63	M2PFHxDA		12.75	815.102 > 770.108	9173		9.818		na	98.2
64	PFDoS		11.96	699.154 > 80.062	82	M7	0.344	2.83	NO	68.8
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1898	M4	22.879		na	116.7
66	10:2FTS		11.55	627.192 > 607.186	51		0.396	2.65	YES	82.1
67	9CL-PF3ONS		10.29	530.862 > 350.843	1529		0.408	2.86	NO	87.5
68	11CL-PFOUdS		11.34	630.862 > 450.854	1259		0.419	3.64	NO	88.9
69	NMeFOSA		11.55	512.163 > 169.022	512		1.910	1.90	NO	76.4
70	d3-NMeFOSA		11.53	515.183 > 169.022	31389		105.968		na	106.0
71	NEtFOSA		11.84	526.192 > 169.022	659		2.152	4.39	NO	86.1
72	d5-NEtFOSA		11.84	531.222 > 169.022	35612		100.262		na	100.3
73	NMeFOSE		11.55	615.8 > 59.045	1317		1.286		na	102.9
74	d7-NMeFOSE		11.53	622.84 > 59.045	37014		104.978		na	105.0
75	NEtFOSE		11.84	629.862 > 59.045	1460		1.294		na	103.5
76	d9-NEtFOSE		11.82	638.734 > 59.045	41347		95.103		na	95.1
77	M3PFPeA		4.97	266.017 > 222.007	21901		10.544		na	105.4
78	M2PFHxA		6.88	315.032 > 270.03	24427		10.616		na	106.2
79	M4PFOA		9.12	417.032 > 372.03	36747		10.701		na	107.0
80	PFPrS	423-41-6	3.44	249.084 > 80.062	321		0.397	3.11	NO	86.4
81	PFMPA		3.43	229.032 > 85.006	907		0.535		na	107.1
82	PFMBA		5.70	279.042 > 85.006	1224	M4	0.497		na	99.3

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
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Date: 13-Apr-2022
Time: 19:32:11
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL of 10
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.39	315.093 > 135.013	1580	M7	0.416	25.40	NO	93.5
84	NFDHA		6.66	295.032 > 201.027	40		0.564		YES	112.9

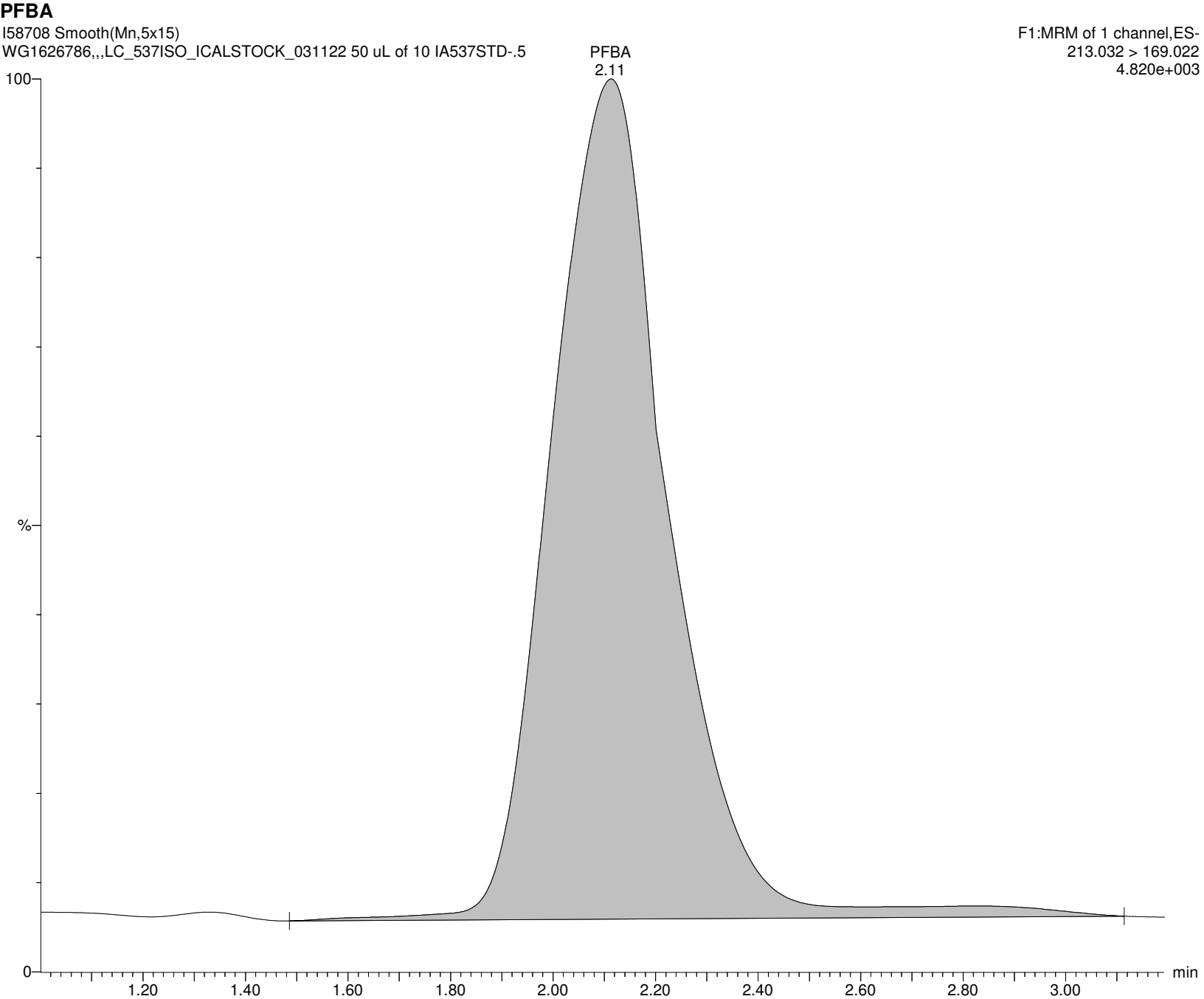
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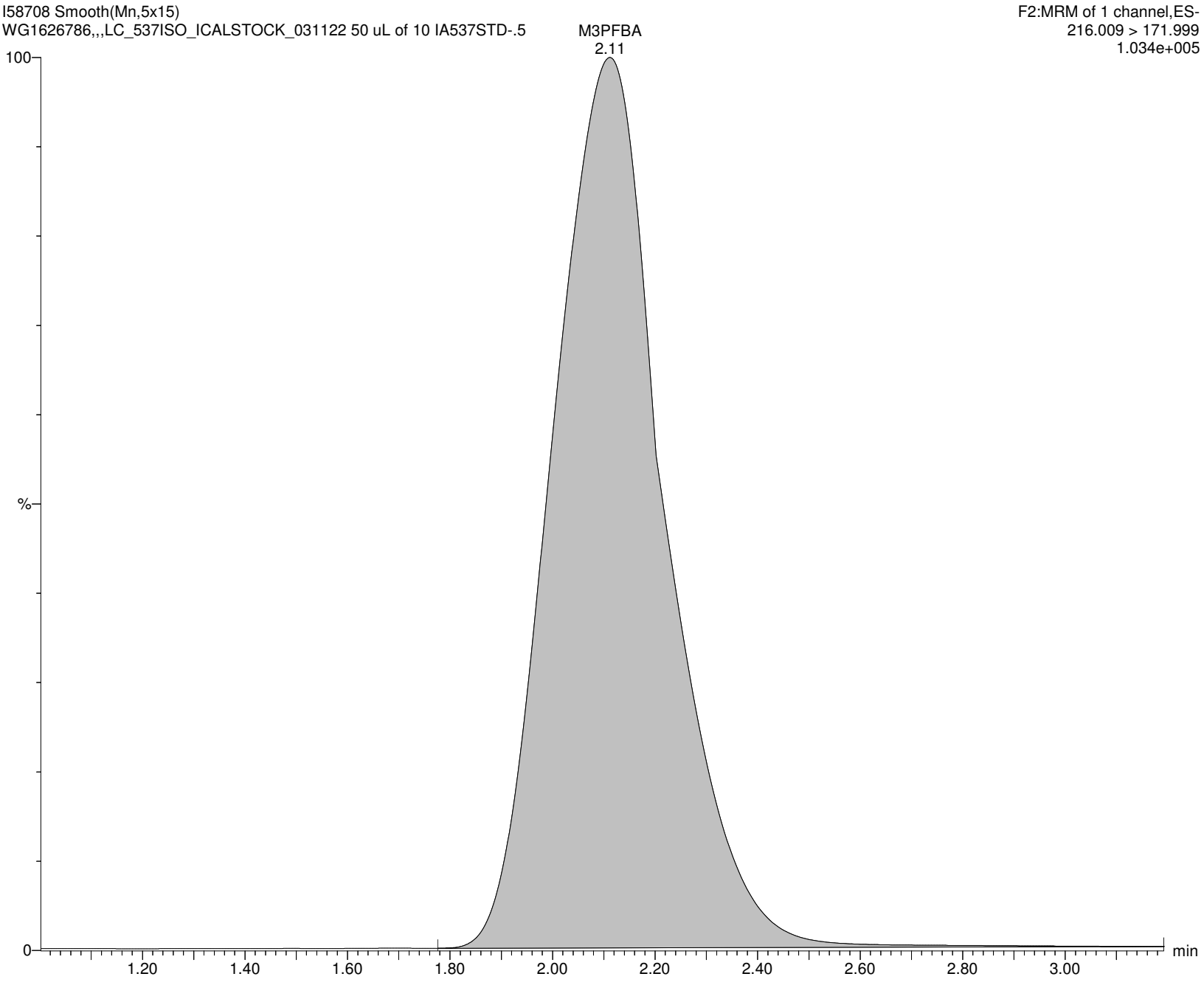


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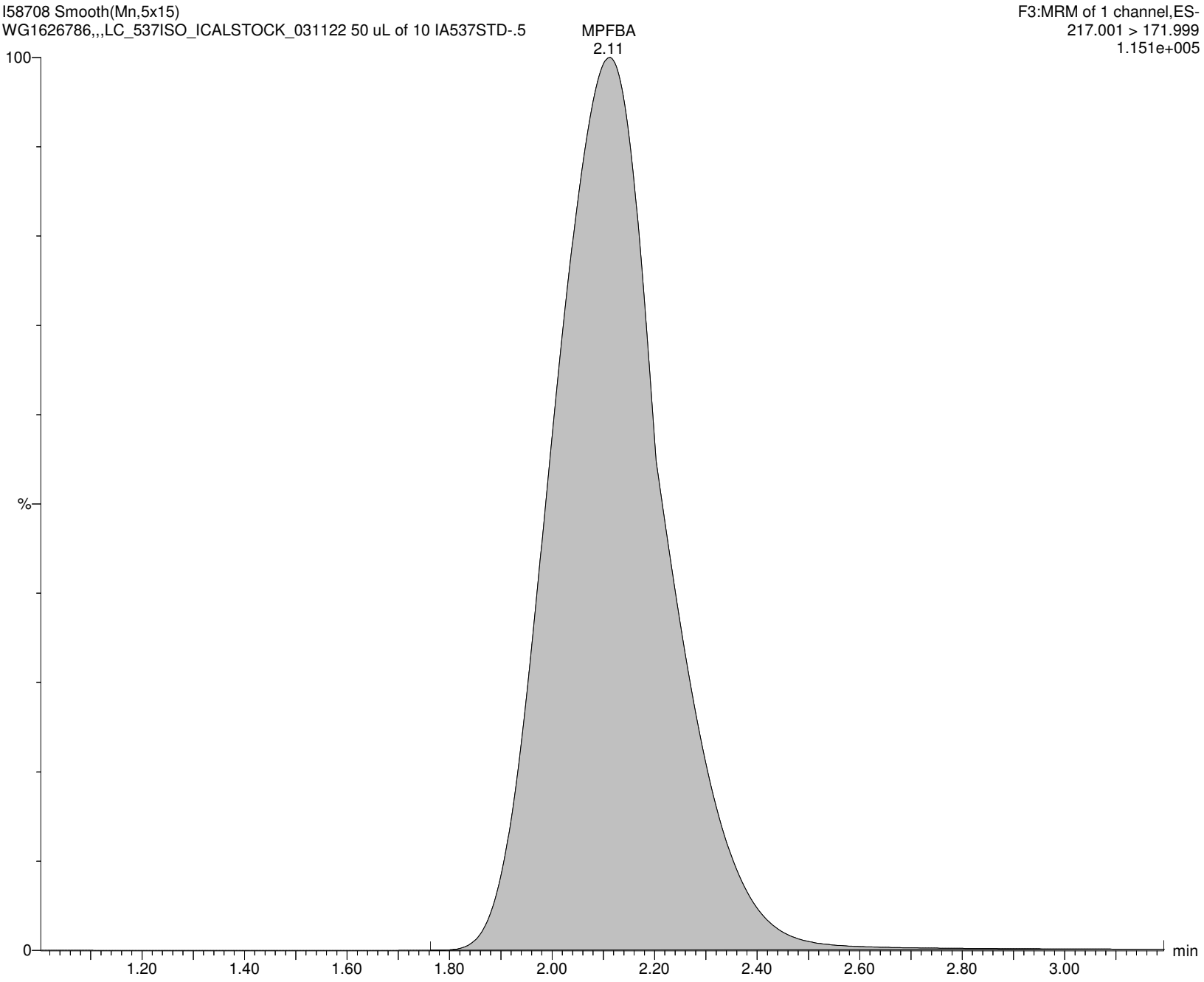


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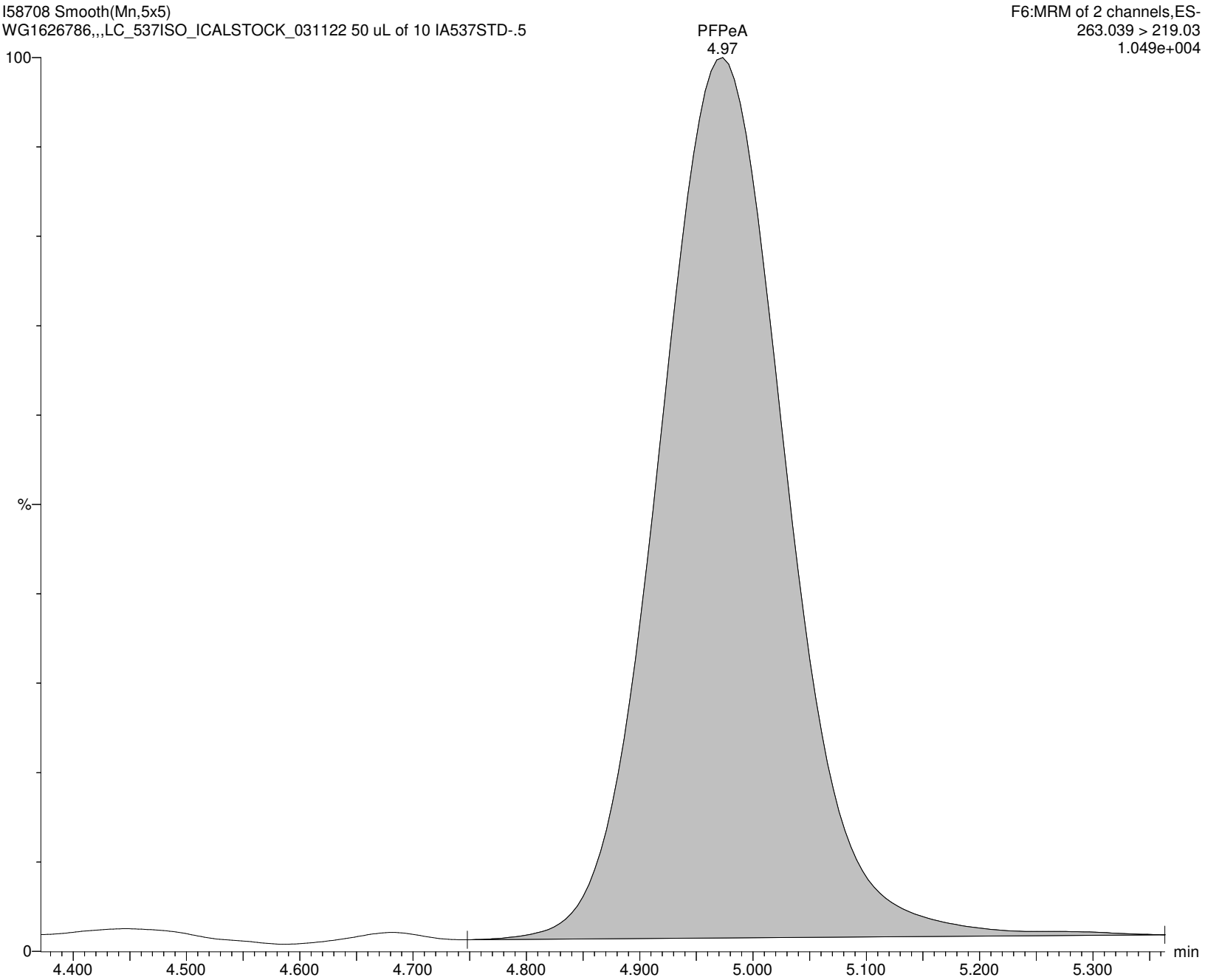


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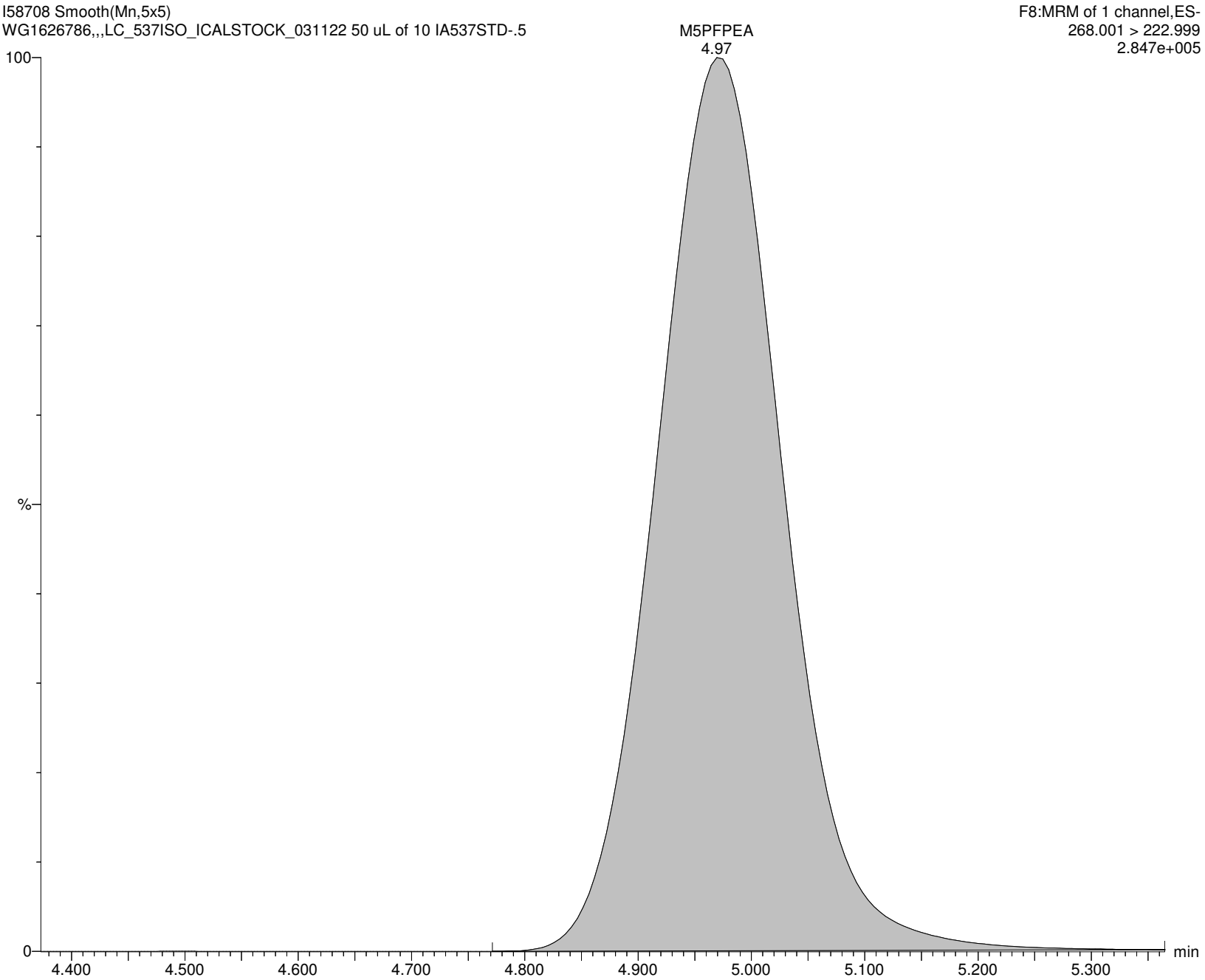


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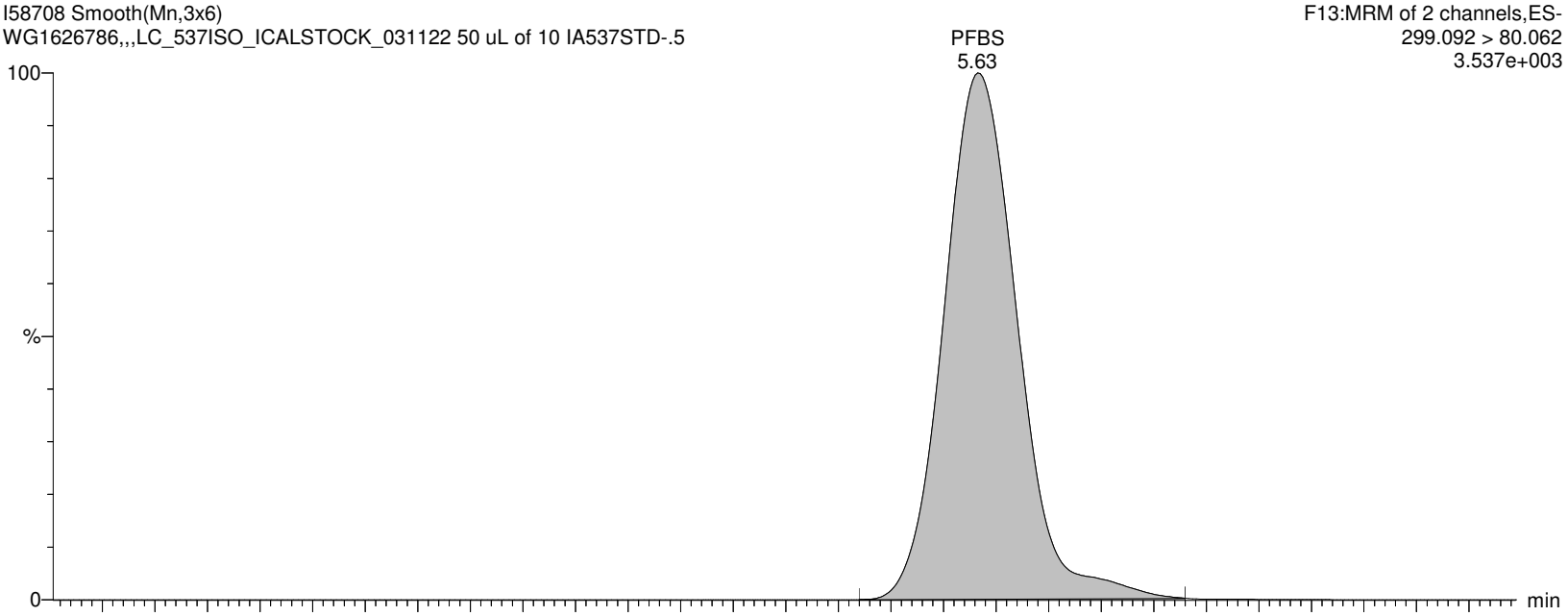


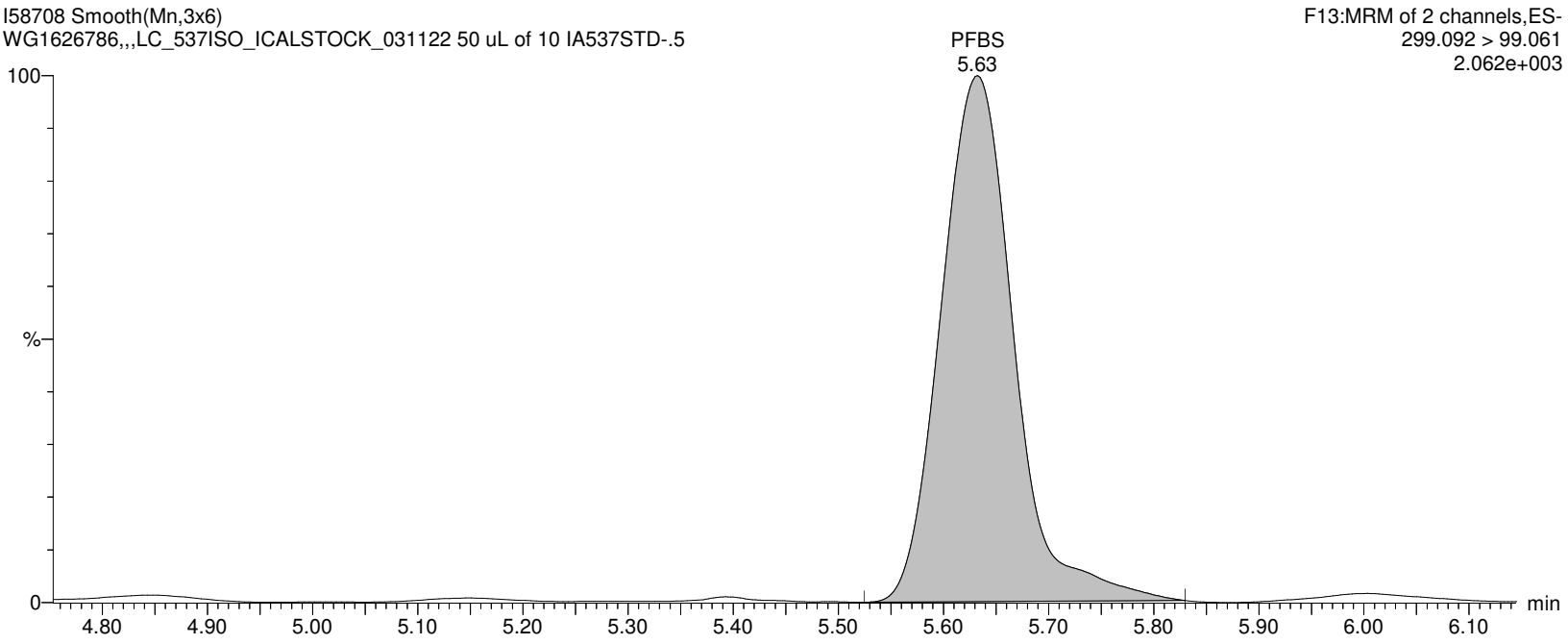
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PFBS



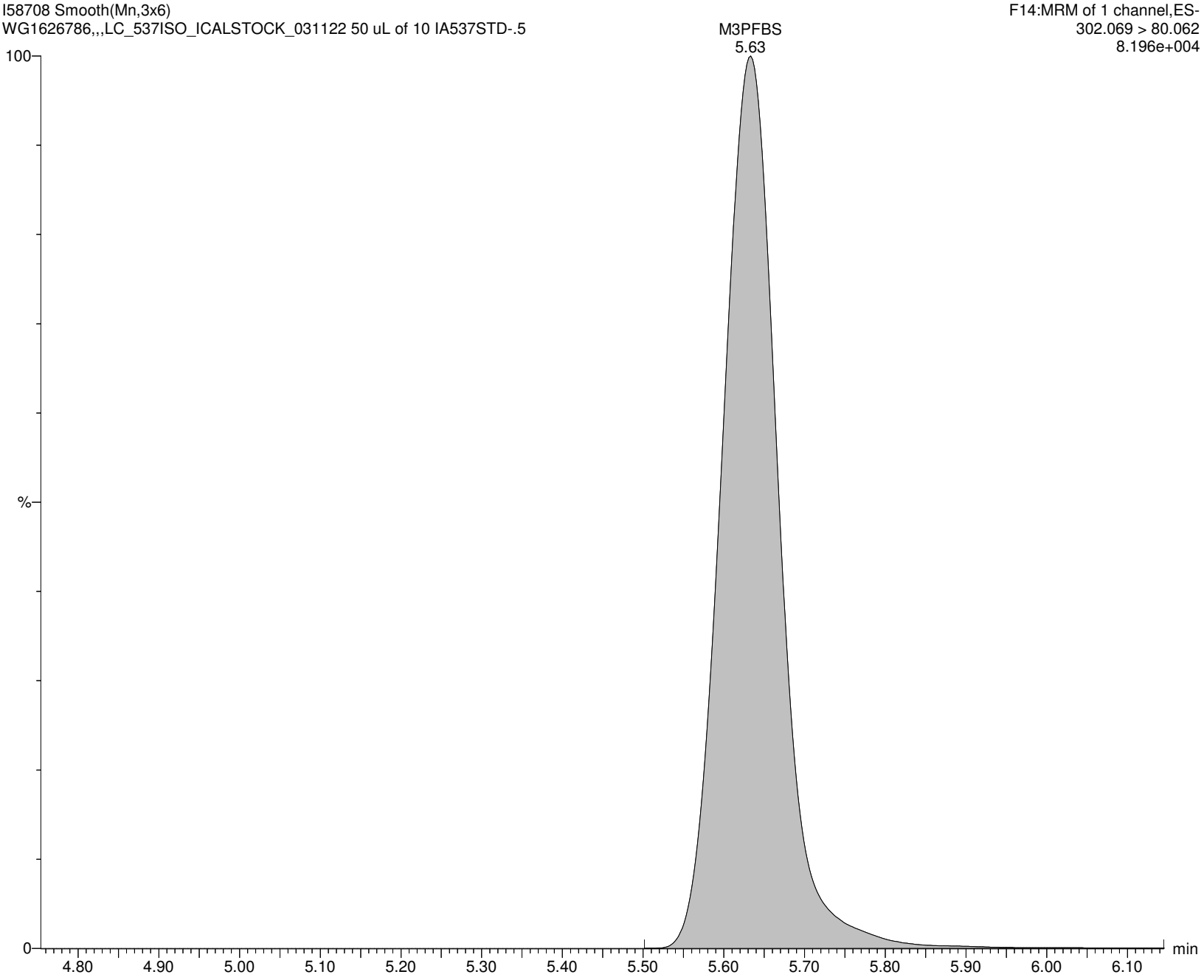


all concentration units in (ng/mL)

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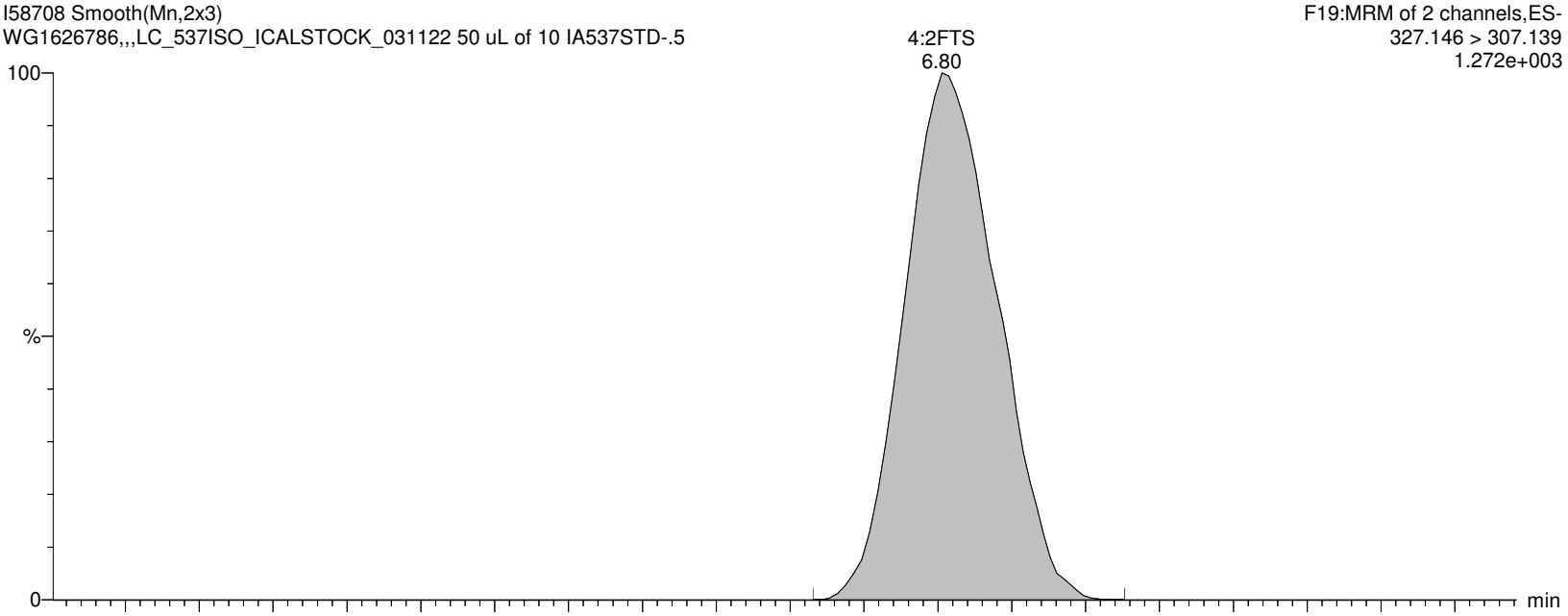


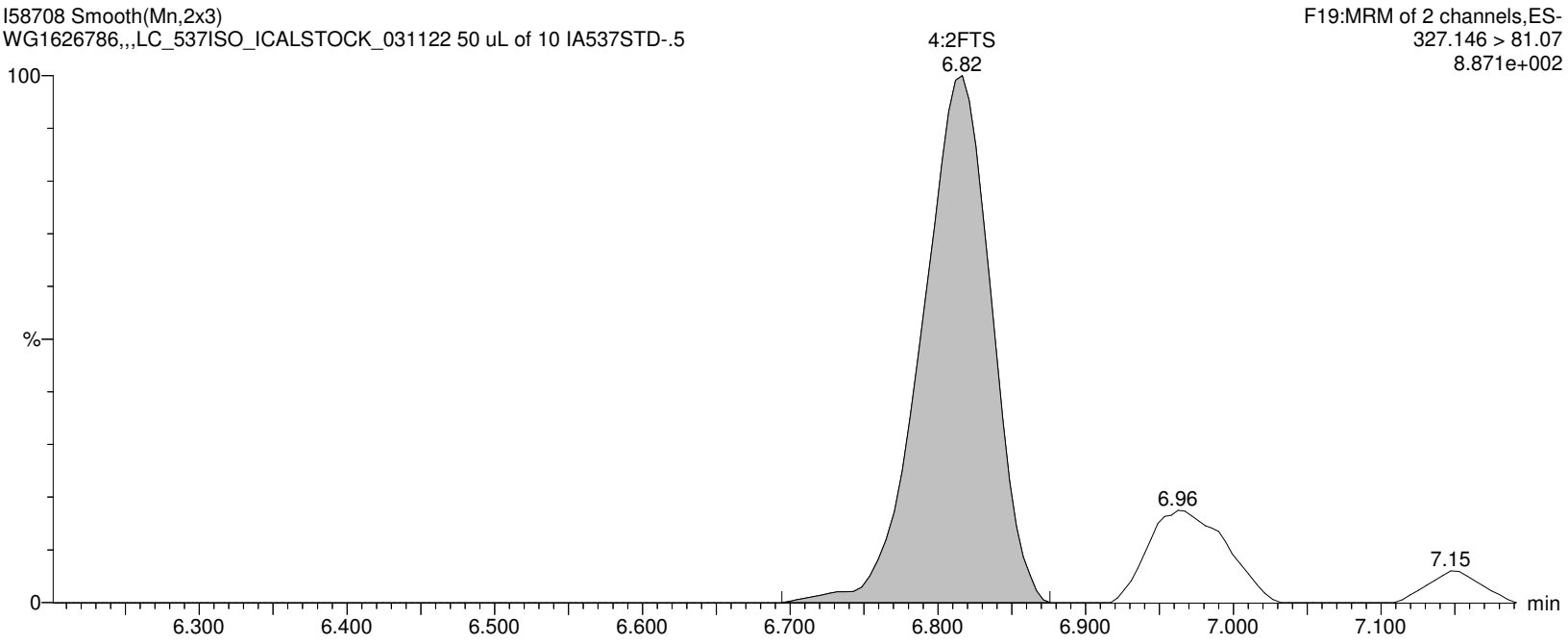
all concentration units in (ng/mL)

Alpha Analytical Inc.
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4:2FTS



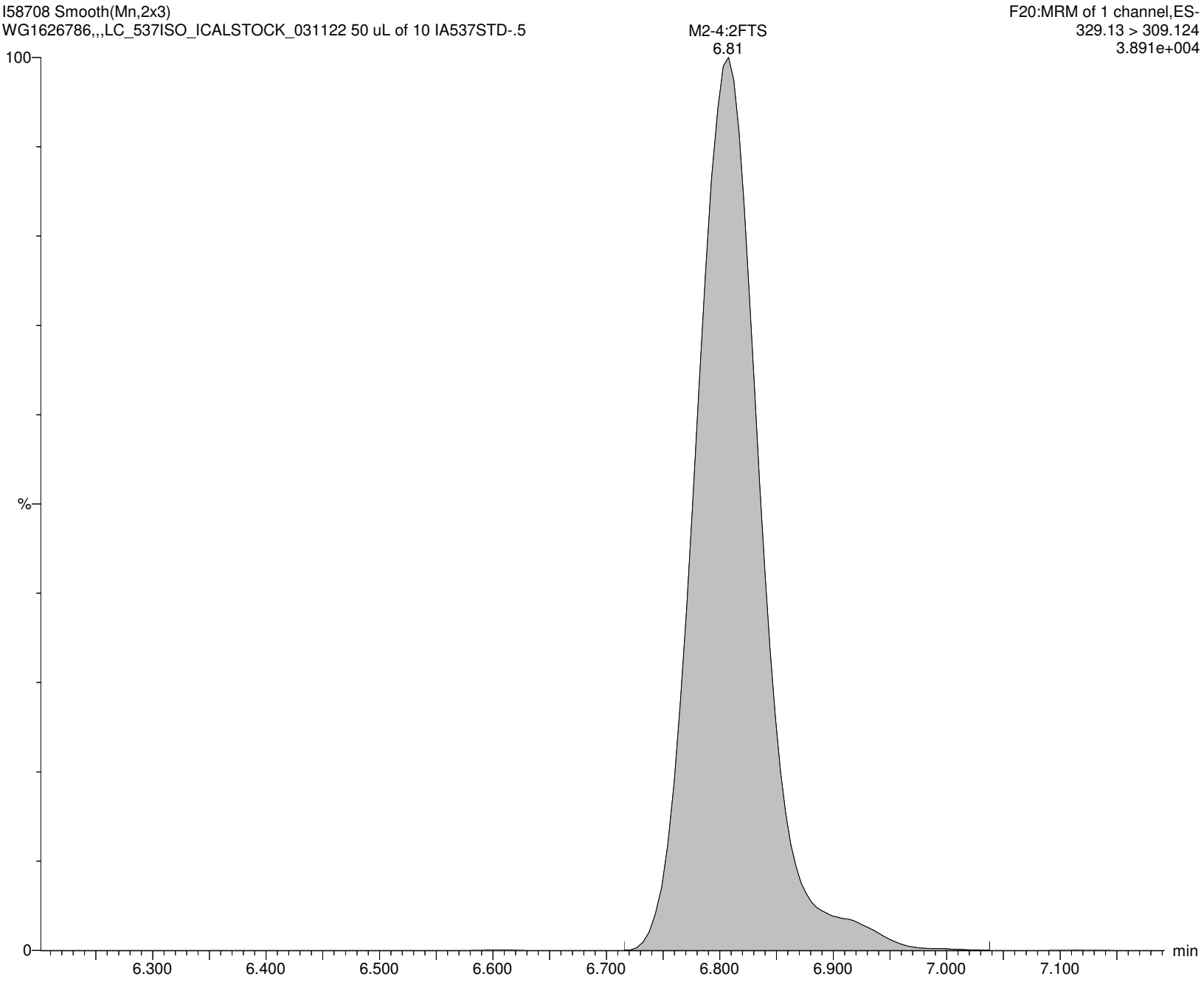


all concentration units in (ng/mL)

Alpha Analytical Inc.
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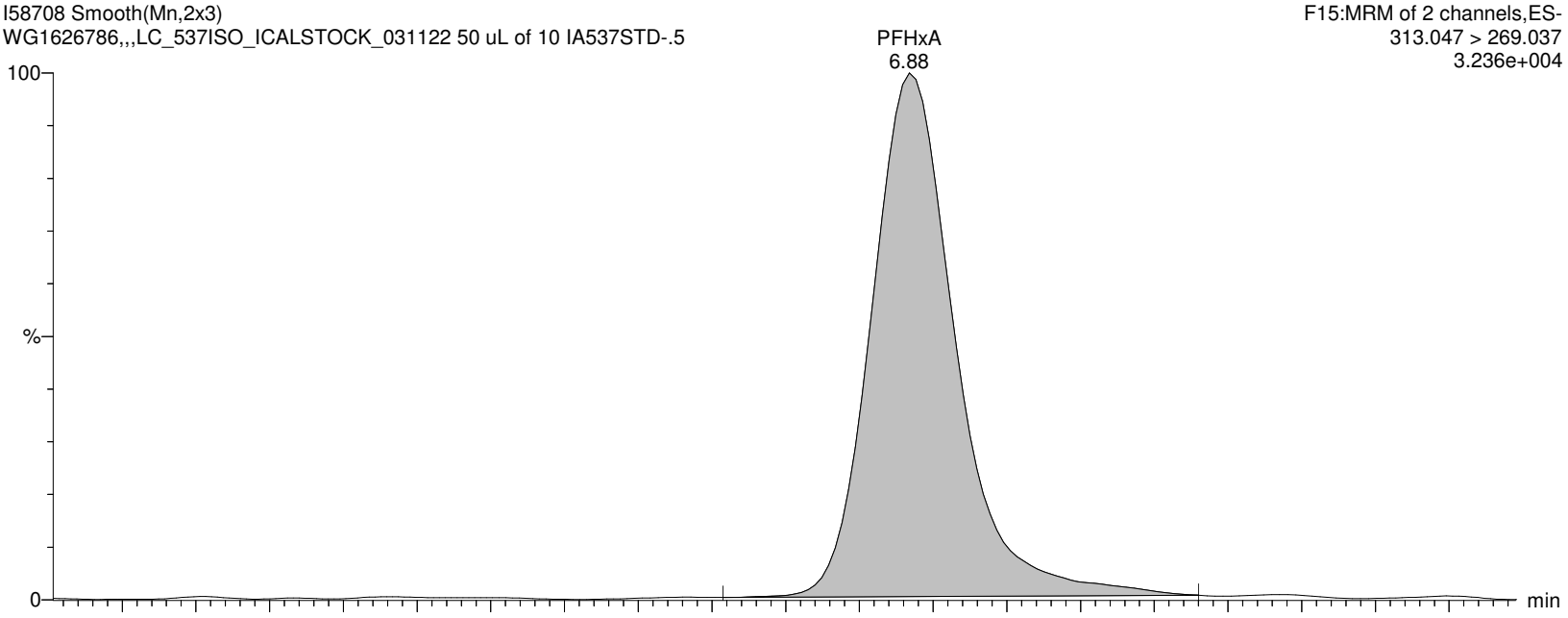


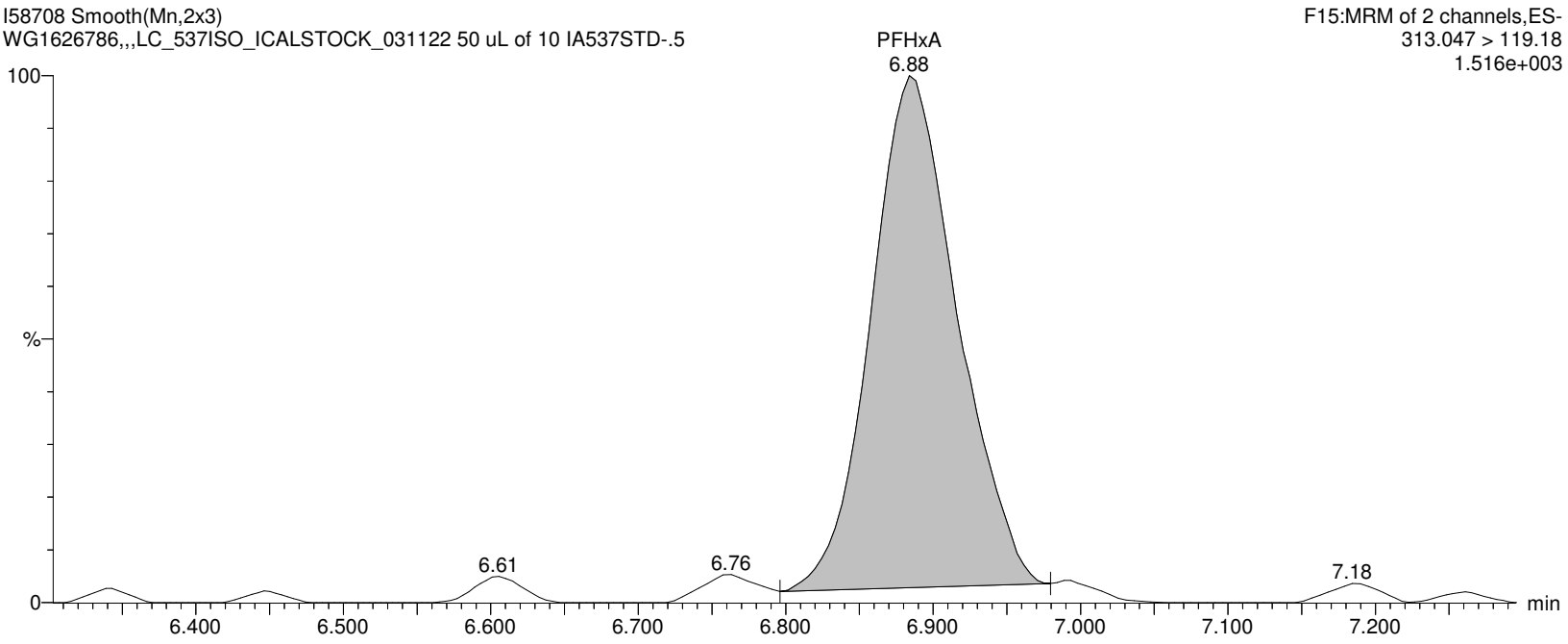
all concentration units in (ng/mL)

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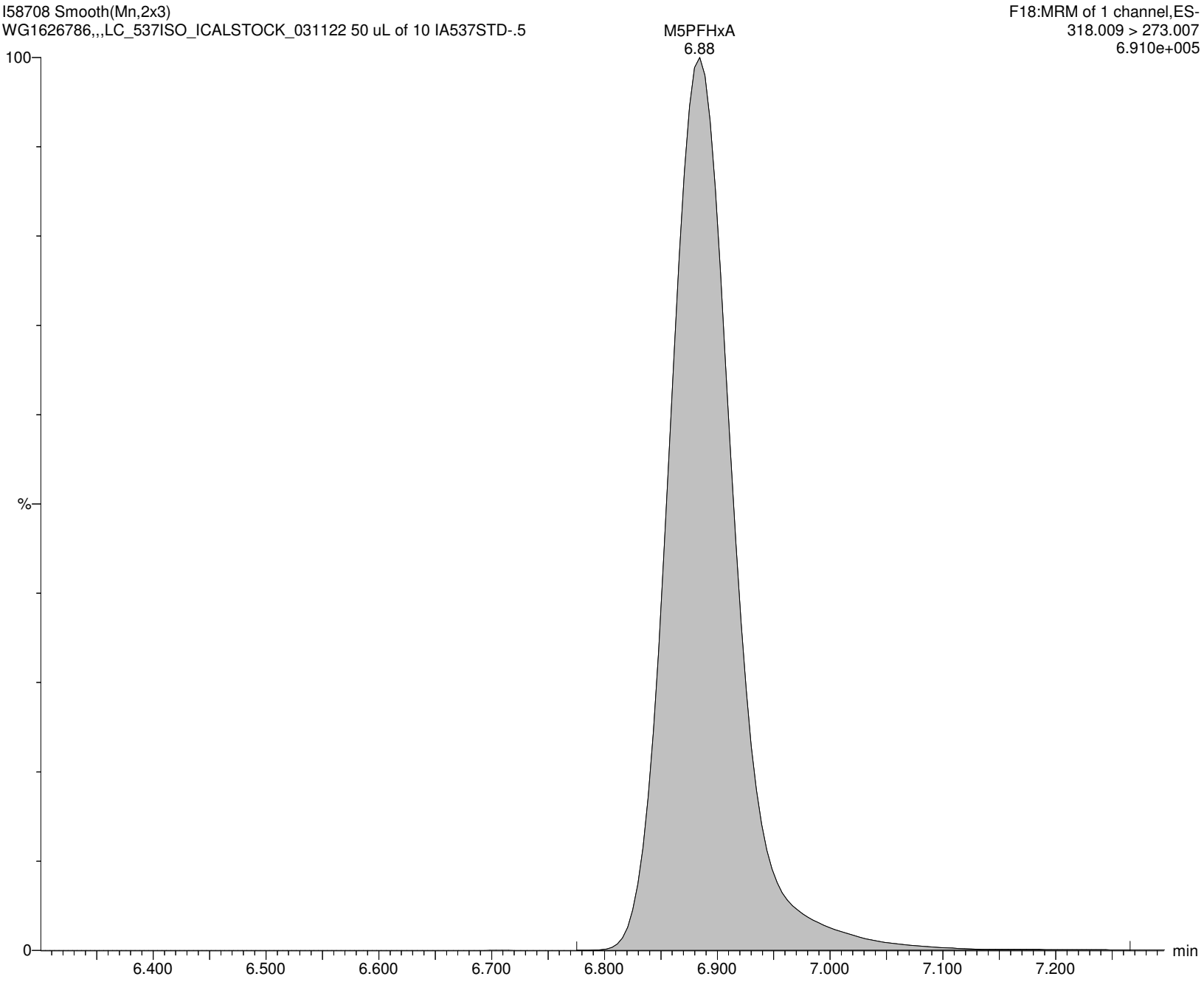


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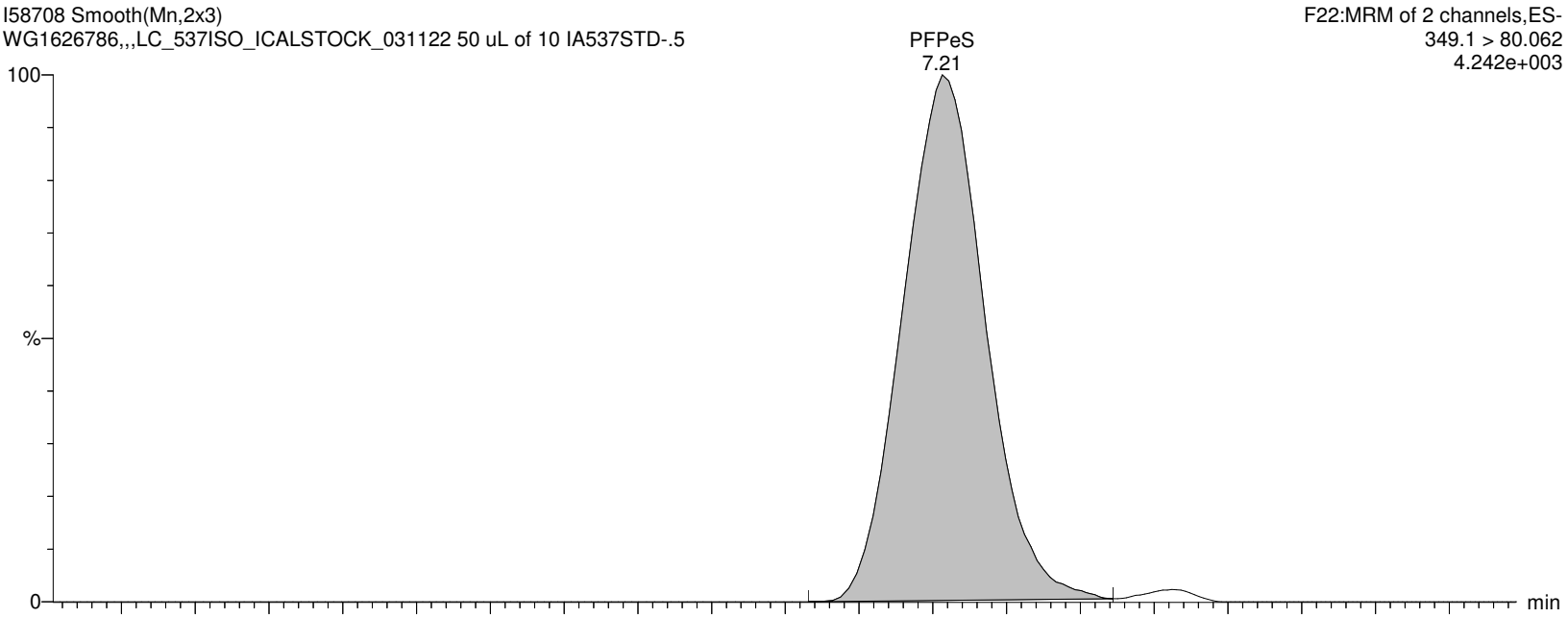


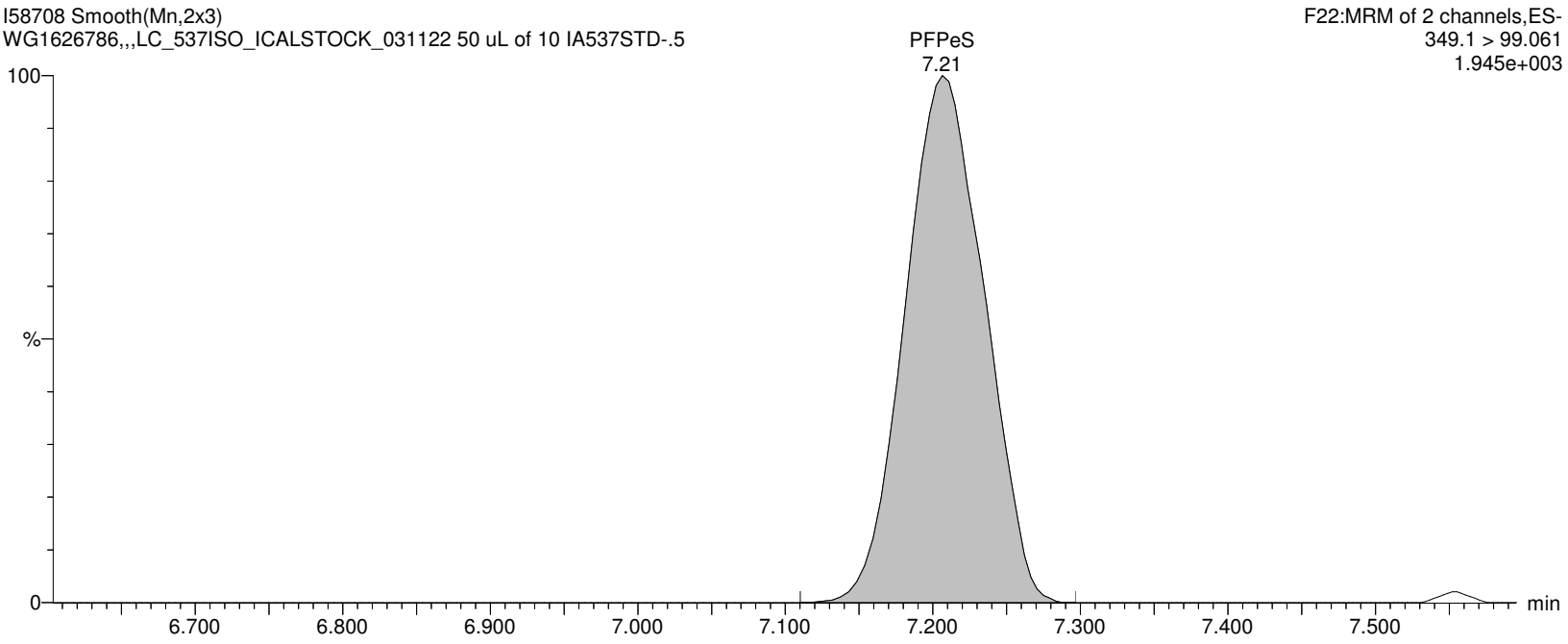
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Printed: Wednesday, April 13, 2022 20:52:09 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 19:32:11
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User: LCMS02:MP
Vial: 1:A,2
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PFPeS



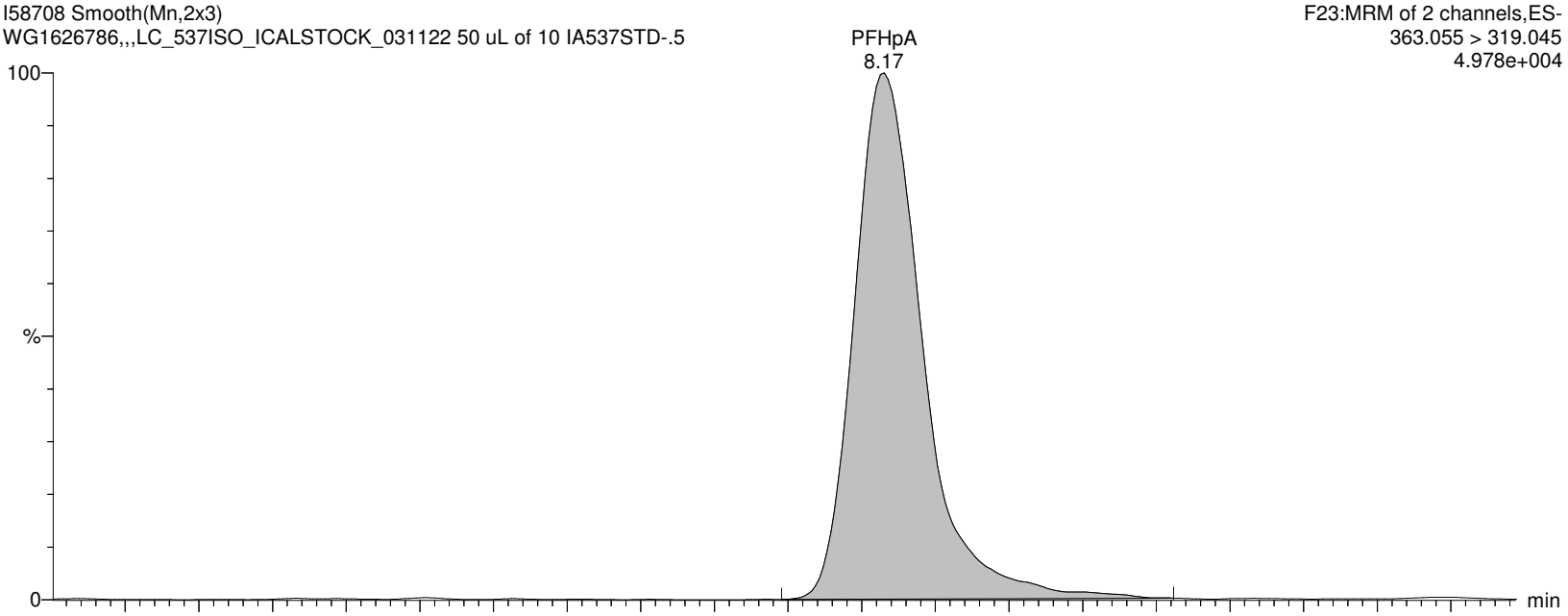


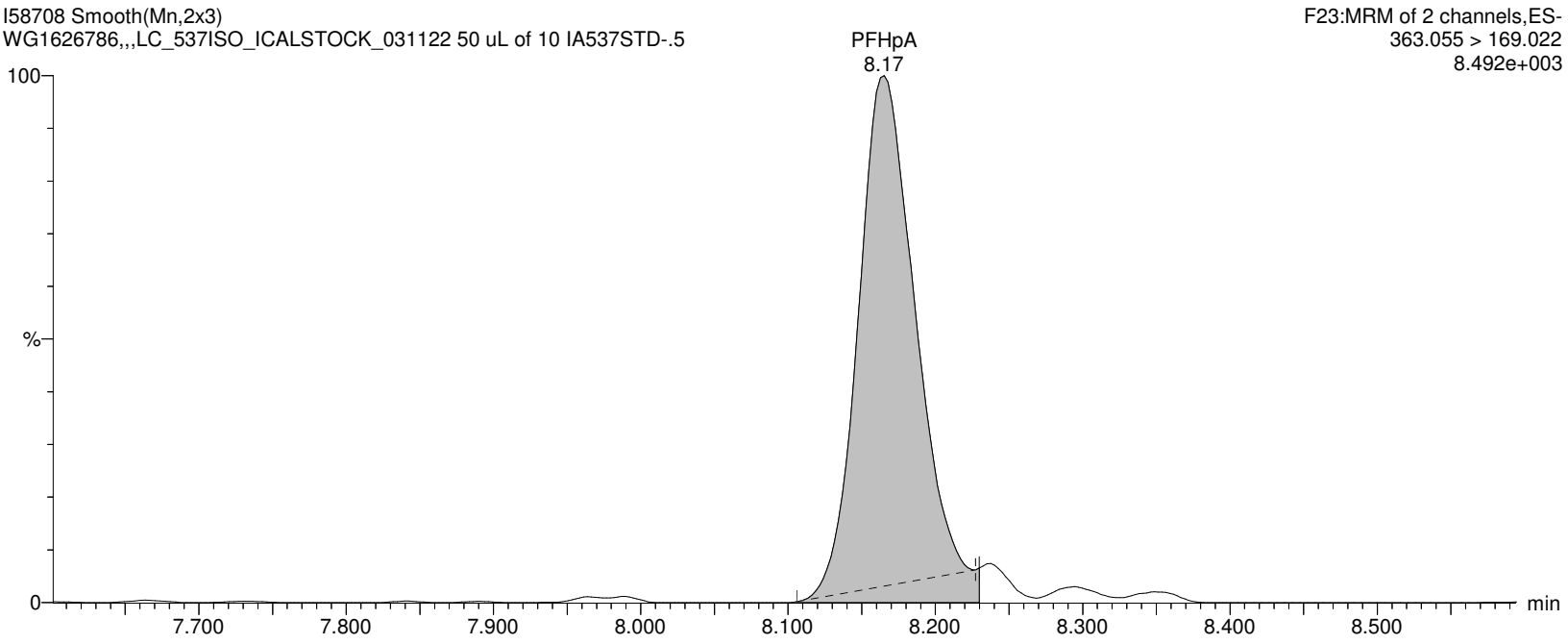
all concentration units in (ng/mL)

Alpha Analytical Inc.
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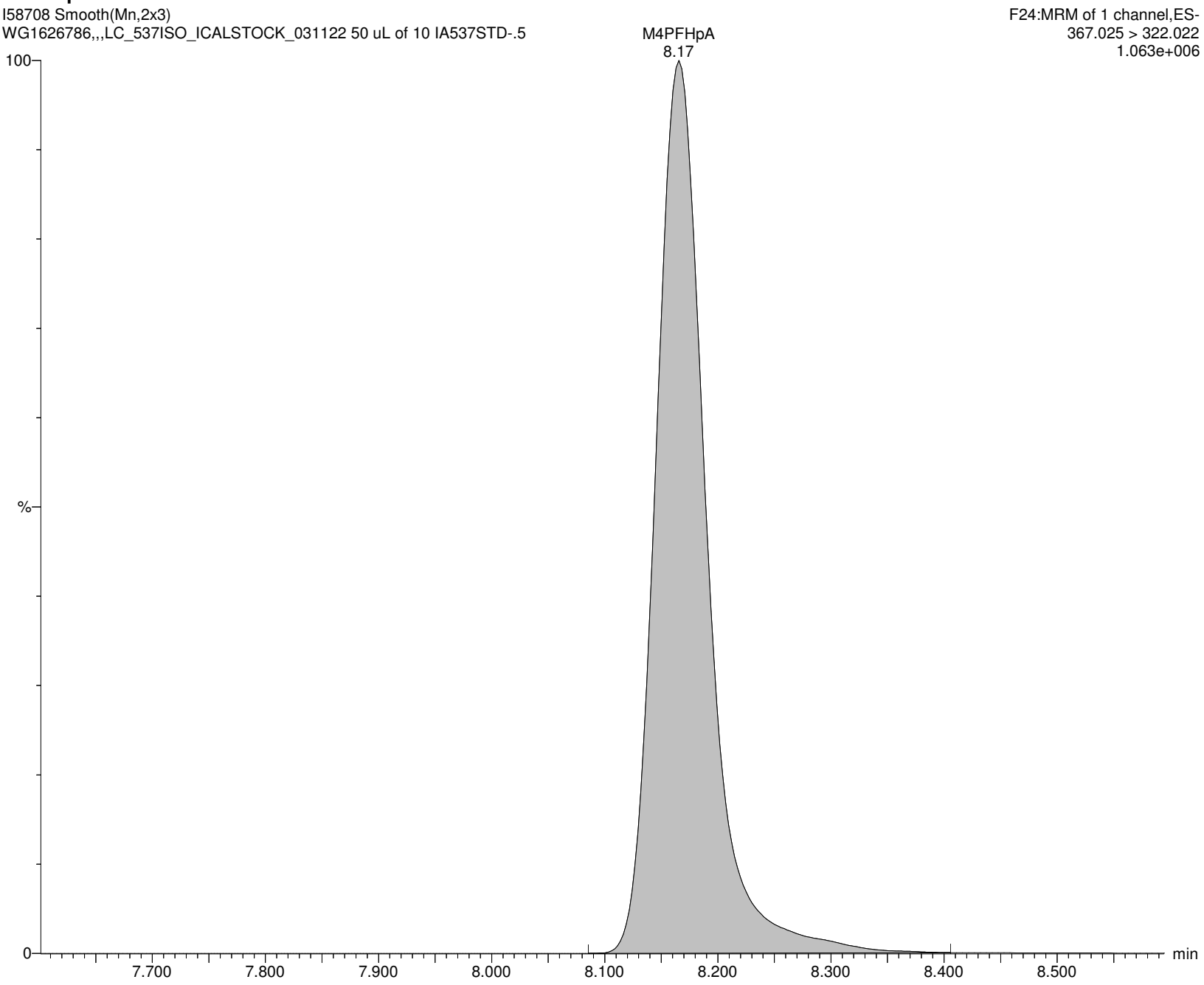


all concentration units in (ng/mL)

Alpha Analytical Inc.
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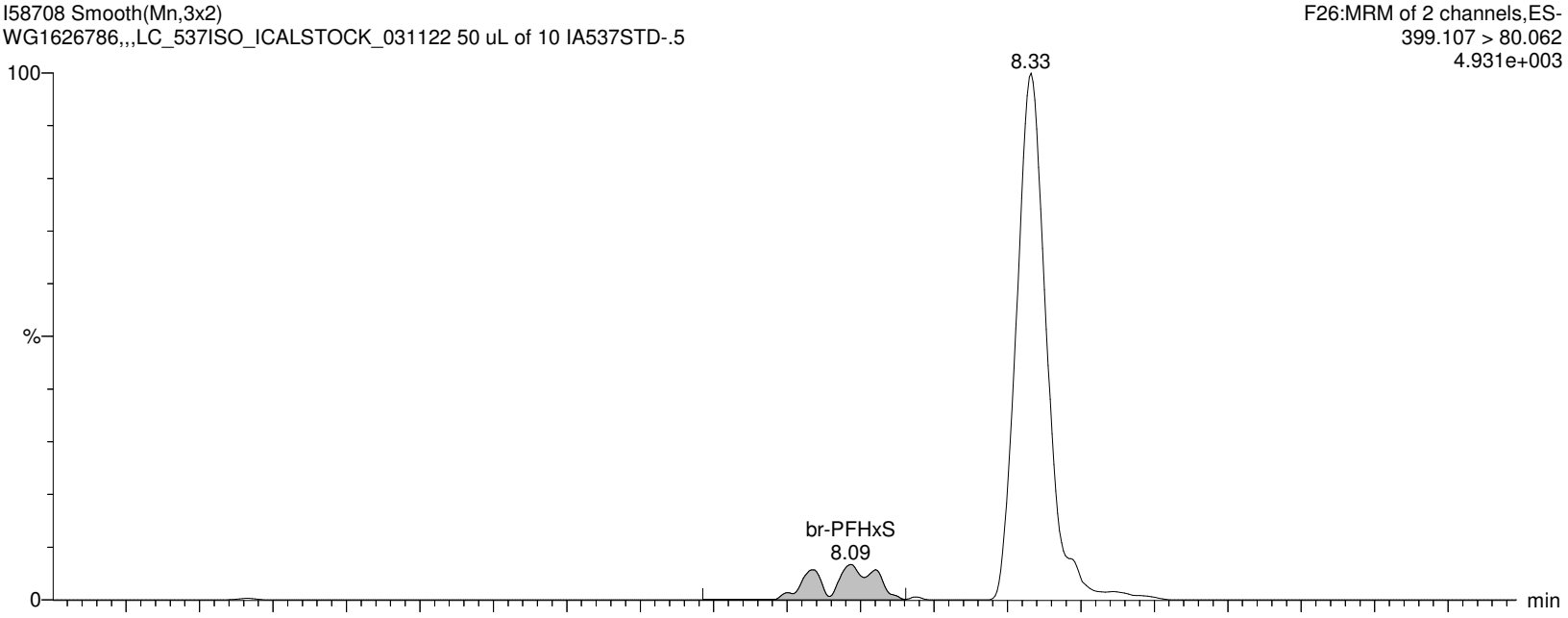


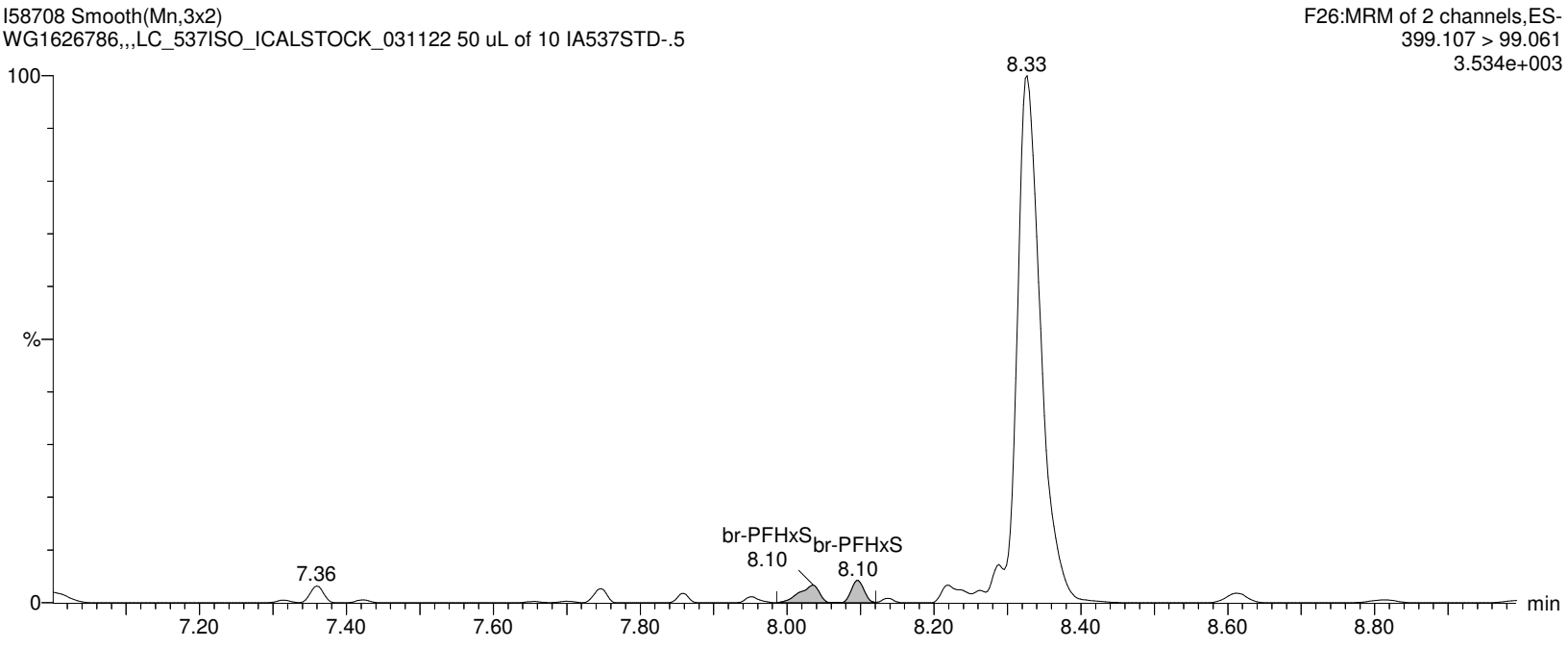
all concentration units in (ng/mL)

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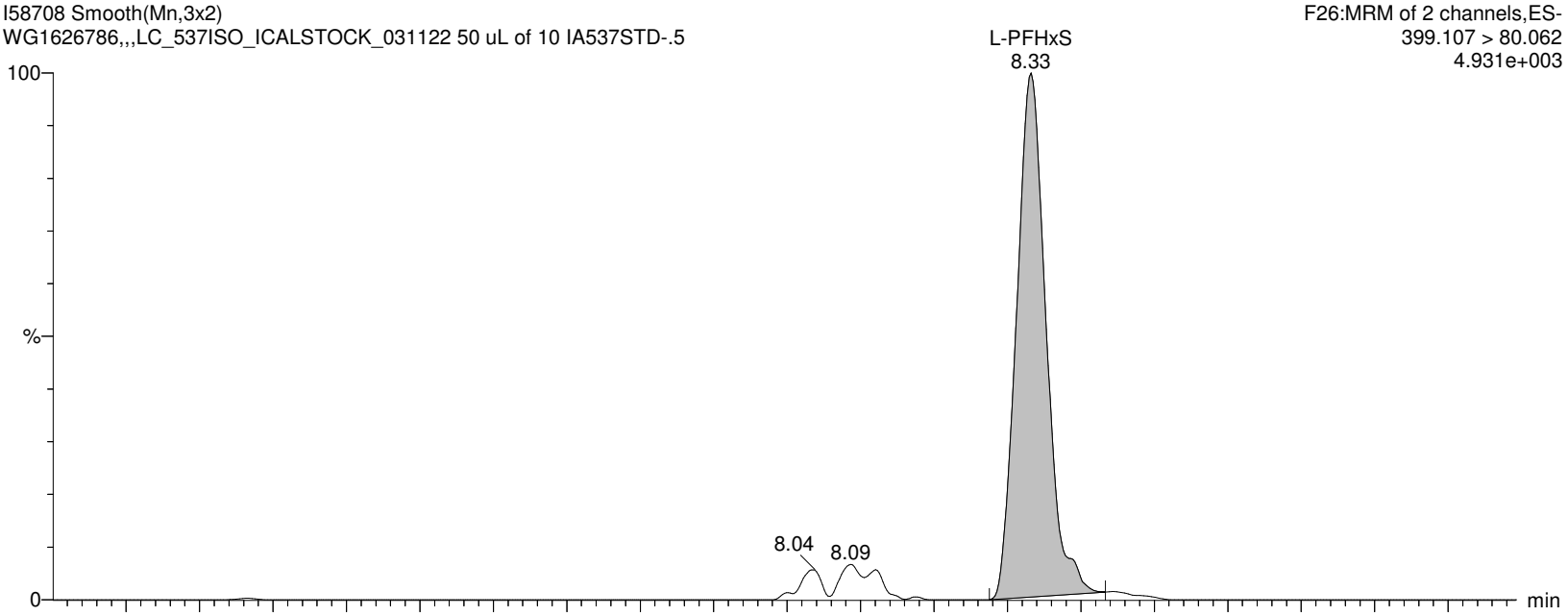


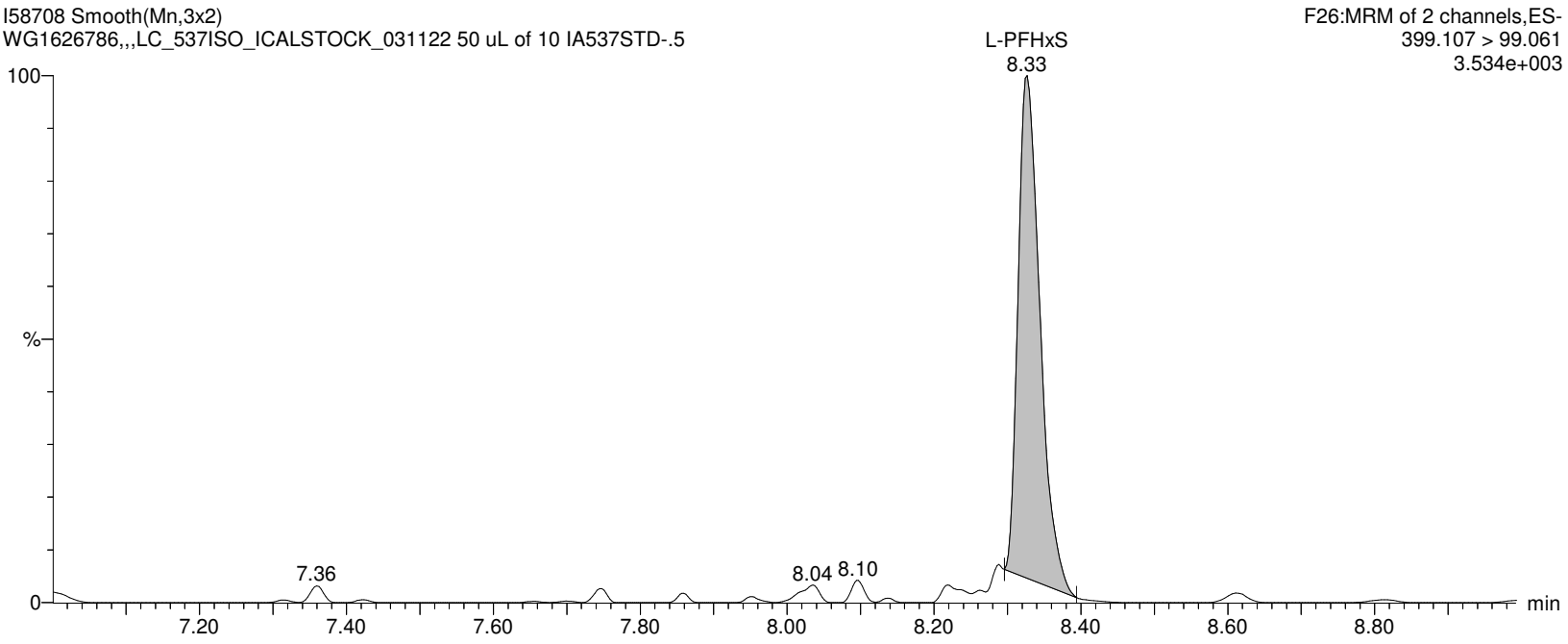
all concentration units in (ng/mL)

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L-PFHxS



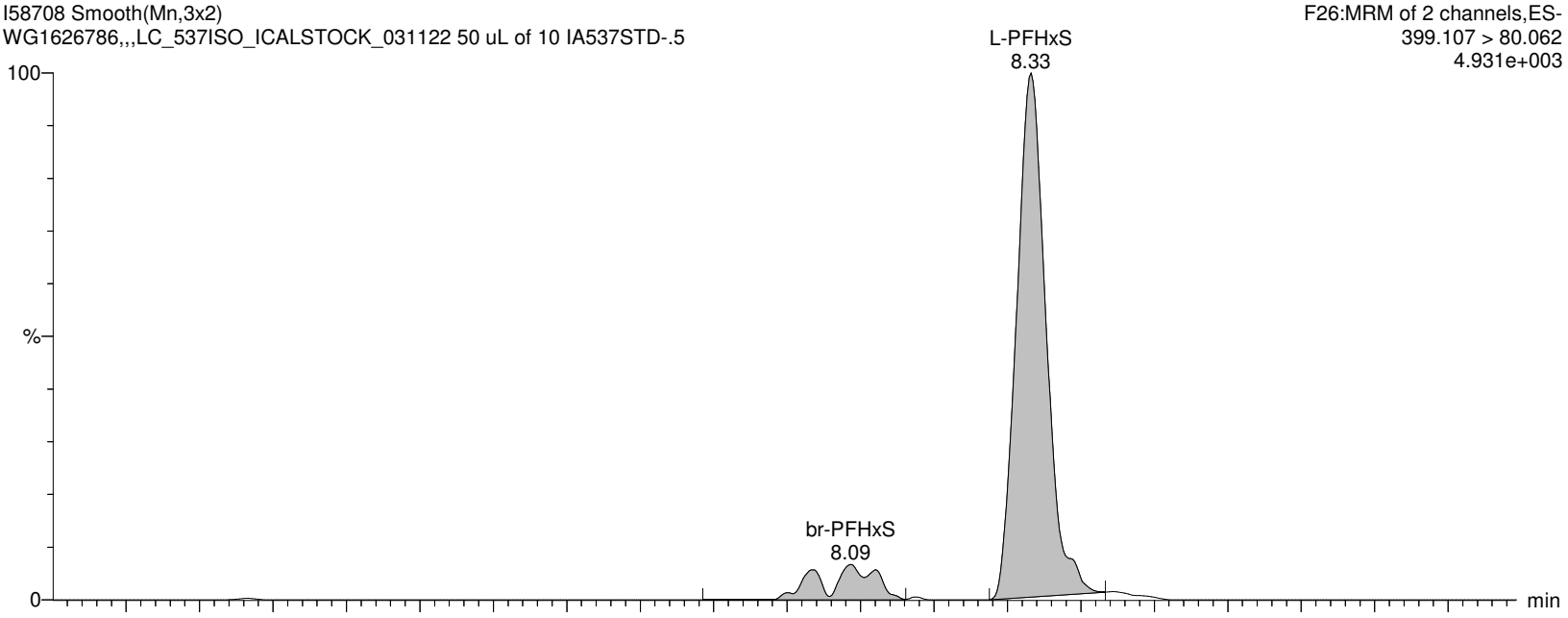


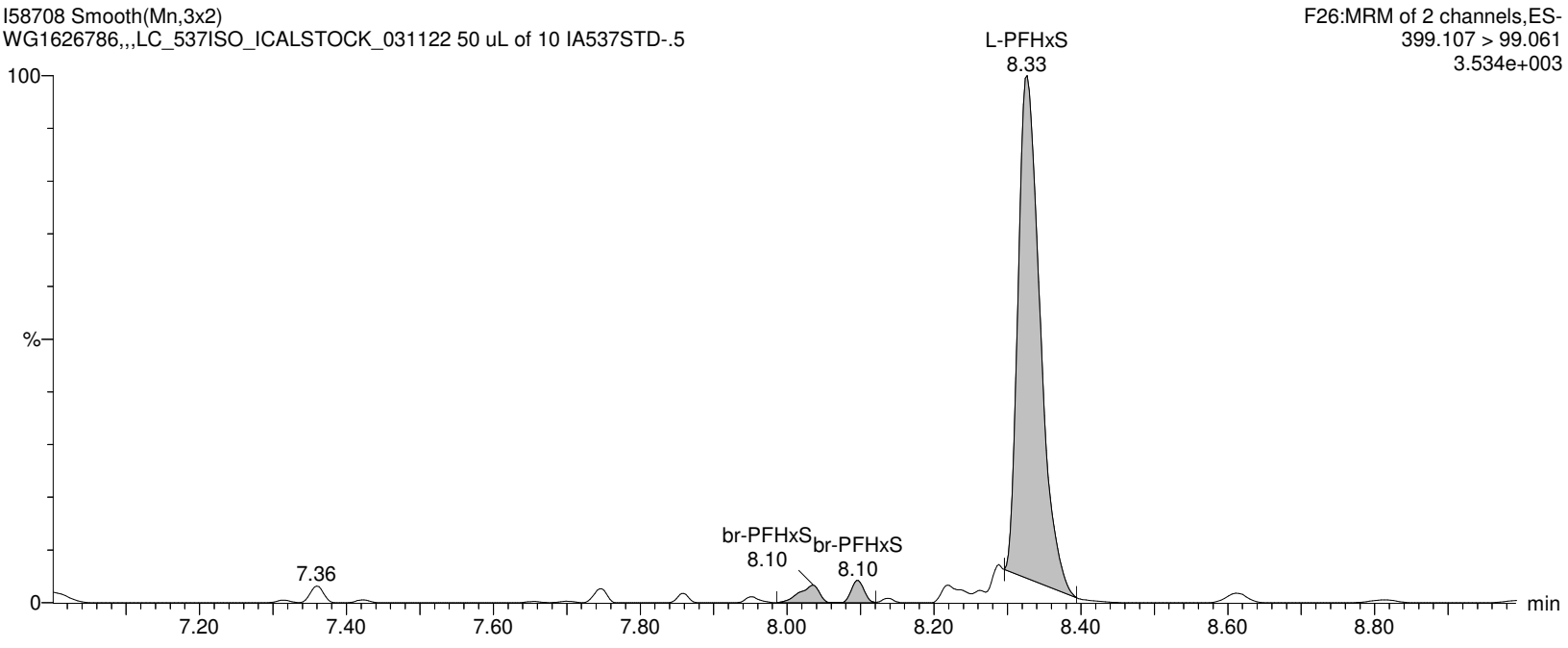
all concentration units in (ng/mL)

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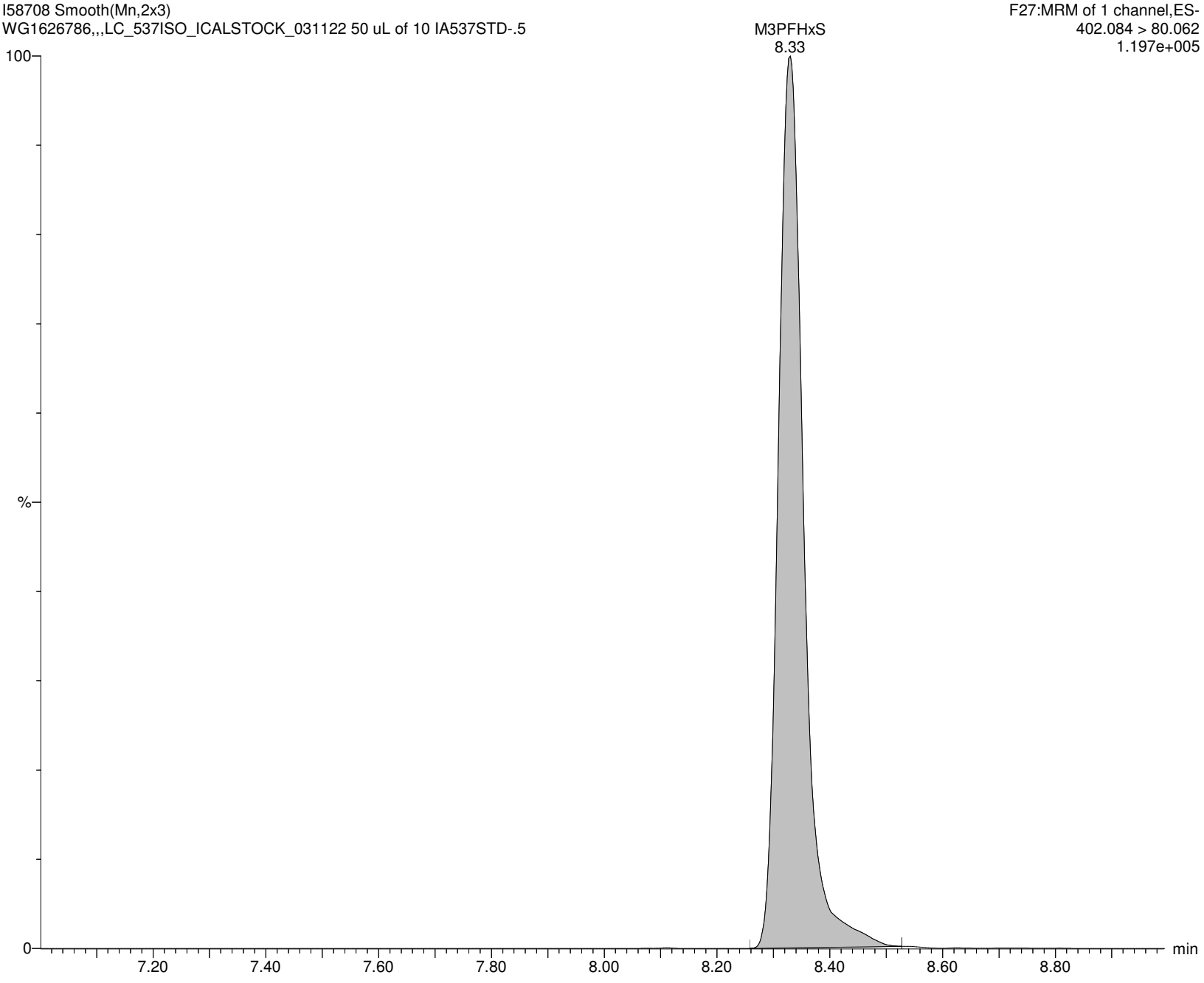


all concentration units in (ng/mL)

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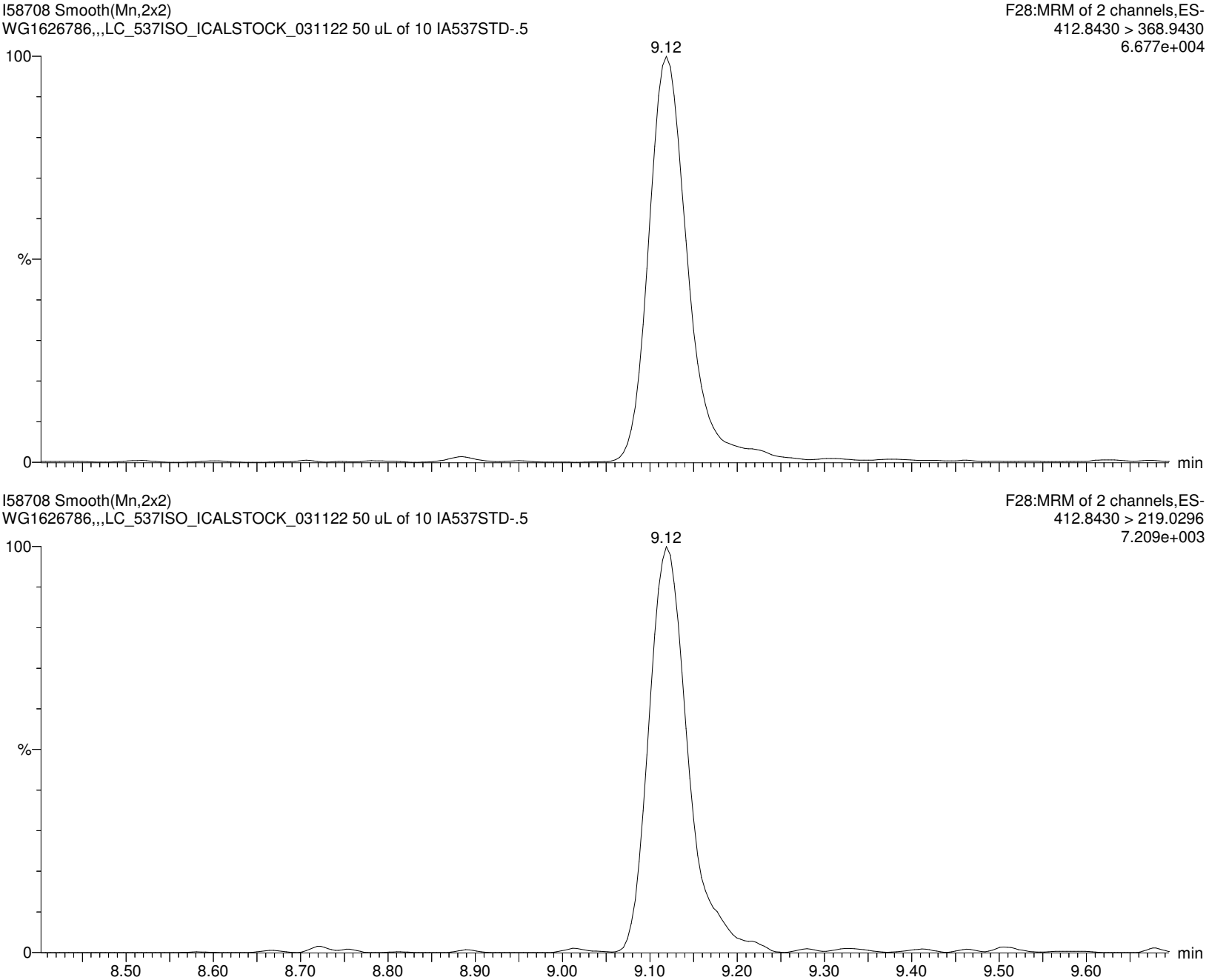


all concentration units in (ng/mL)

Alpha Analytical Inc.
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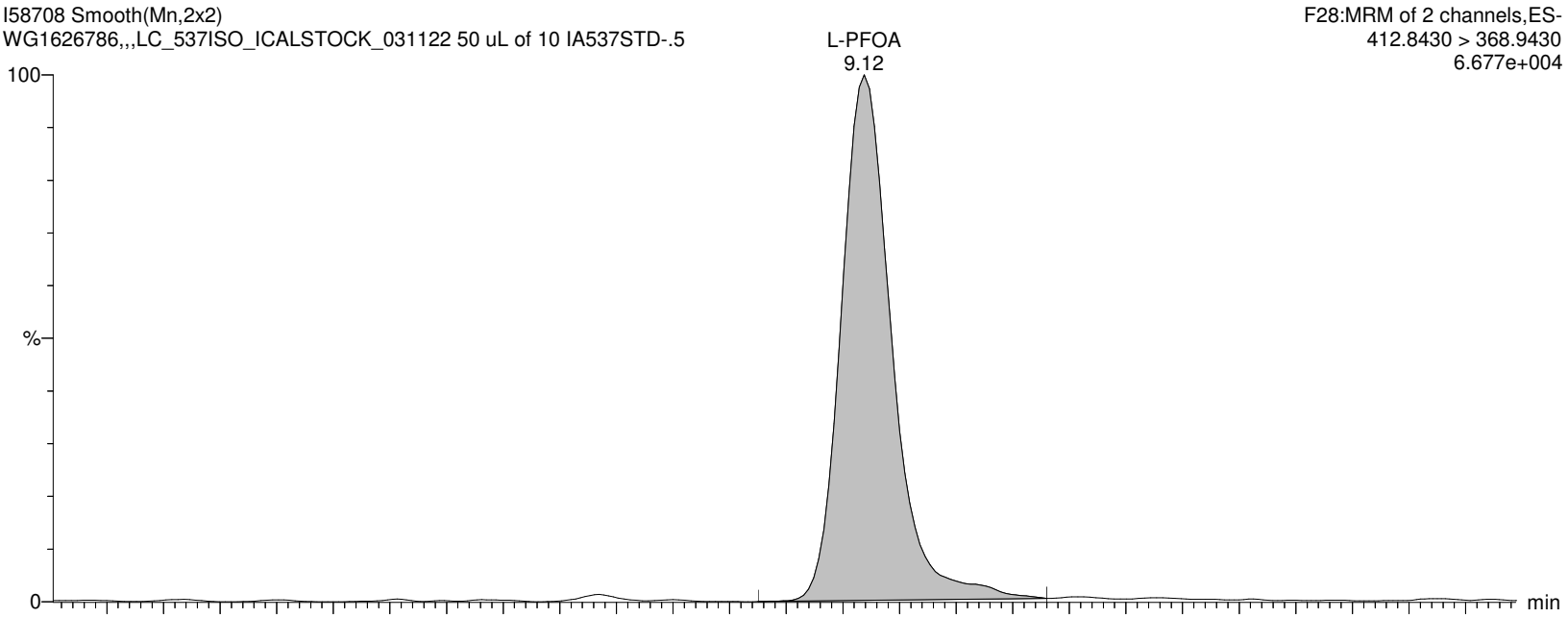


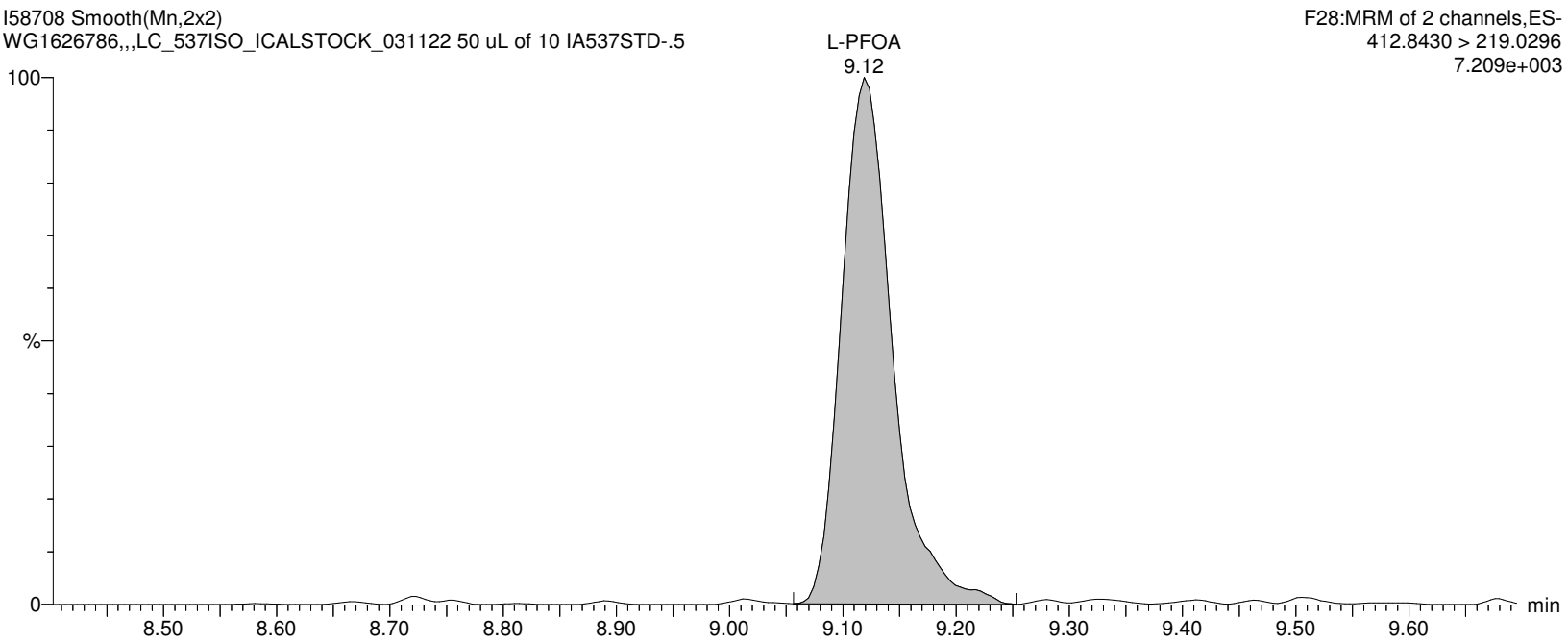
all concentration units in (ng/mL)

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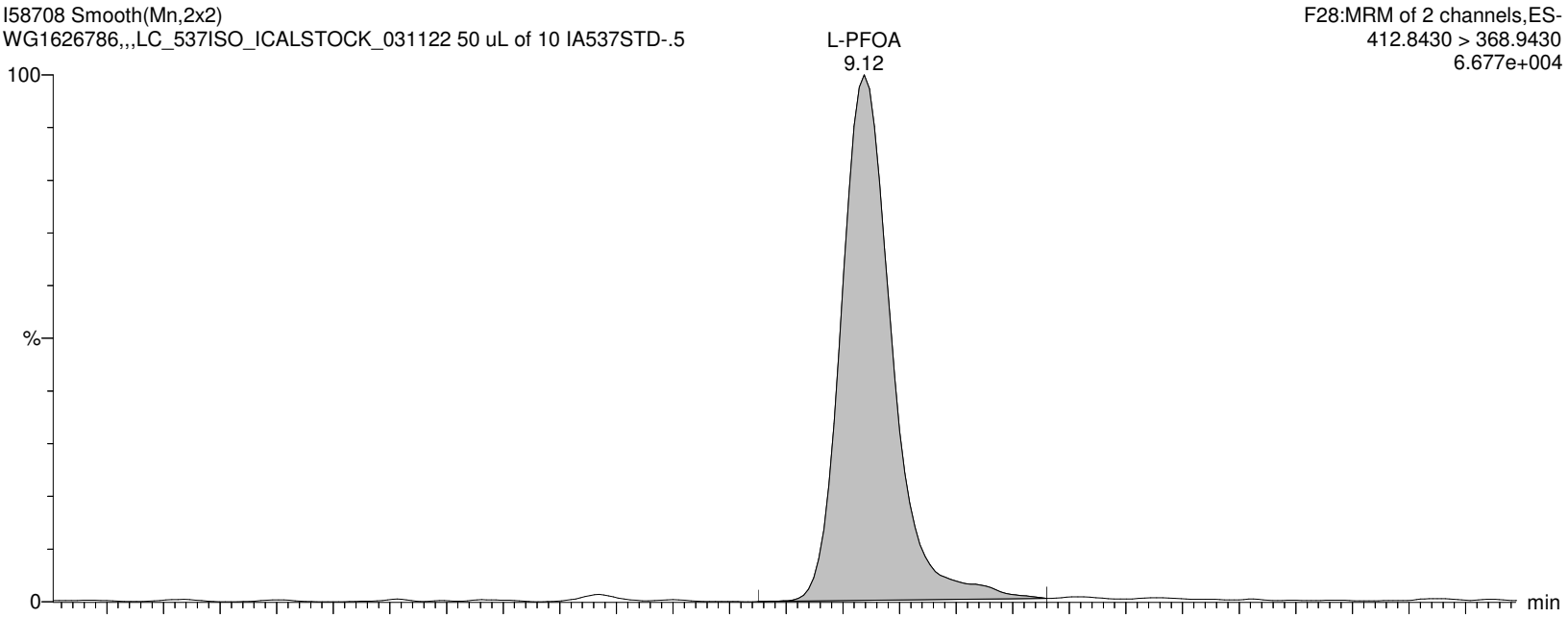


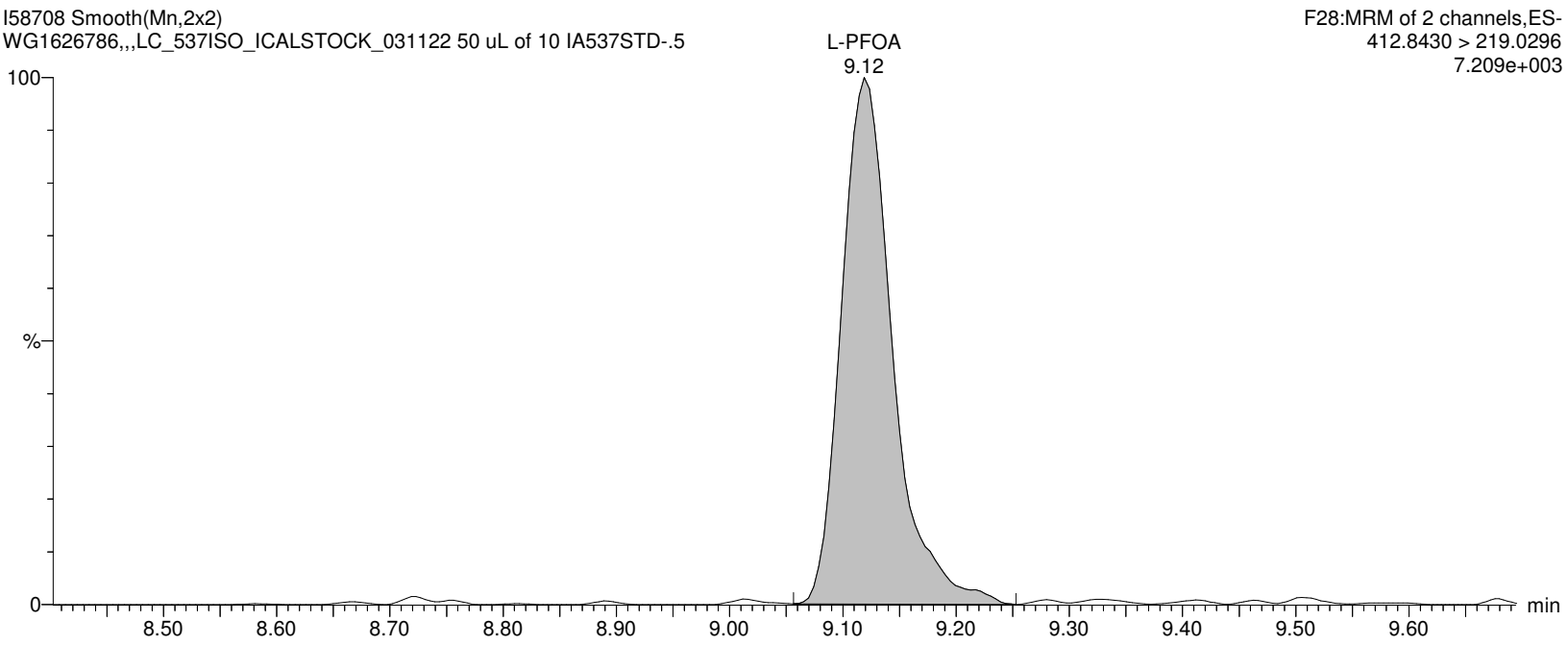
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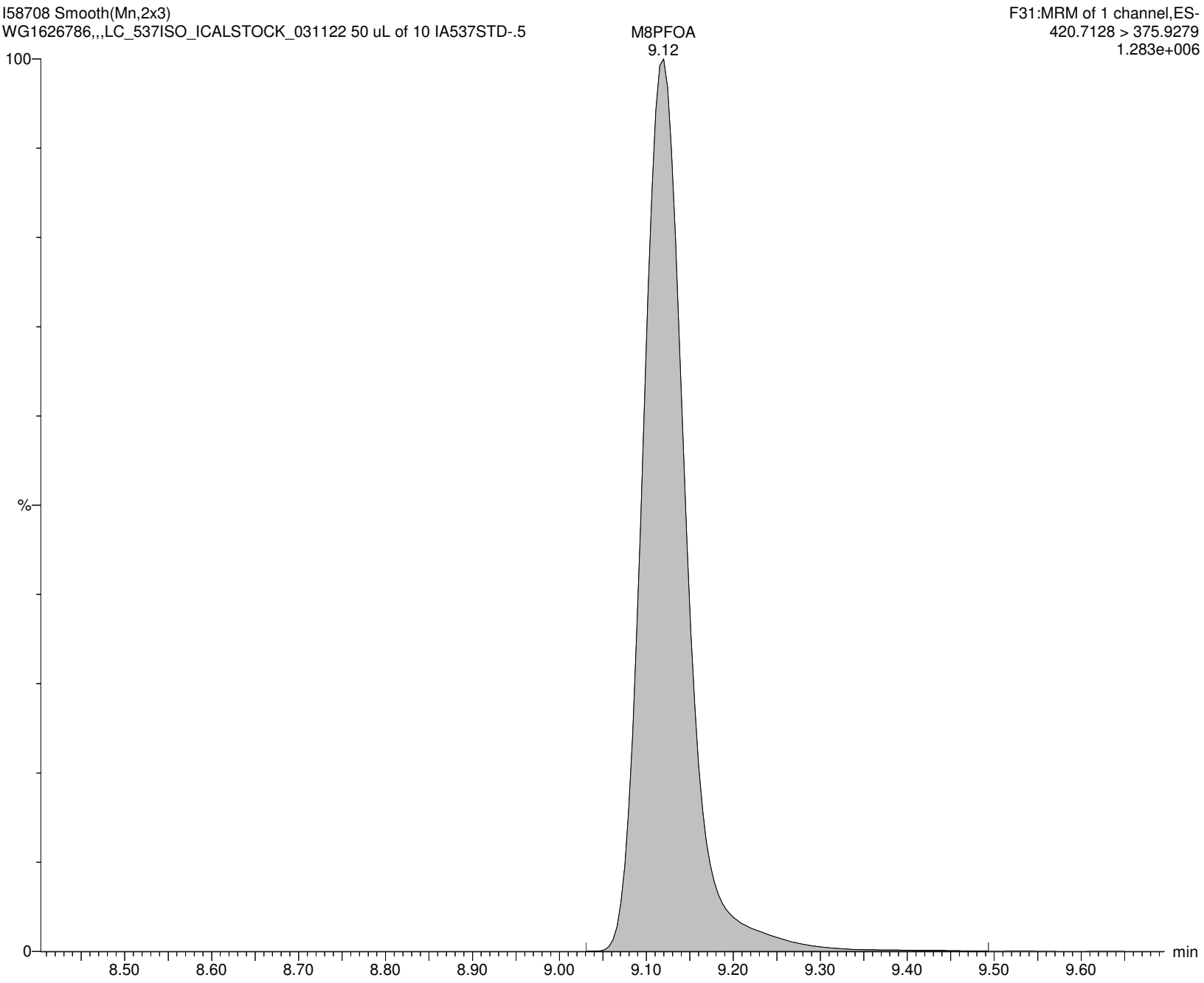


all concentration units in (ng/mL)

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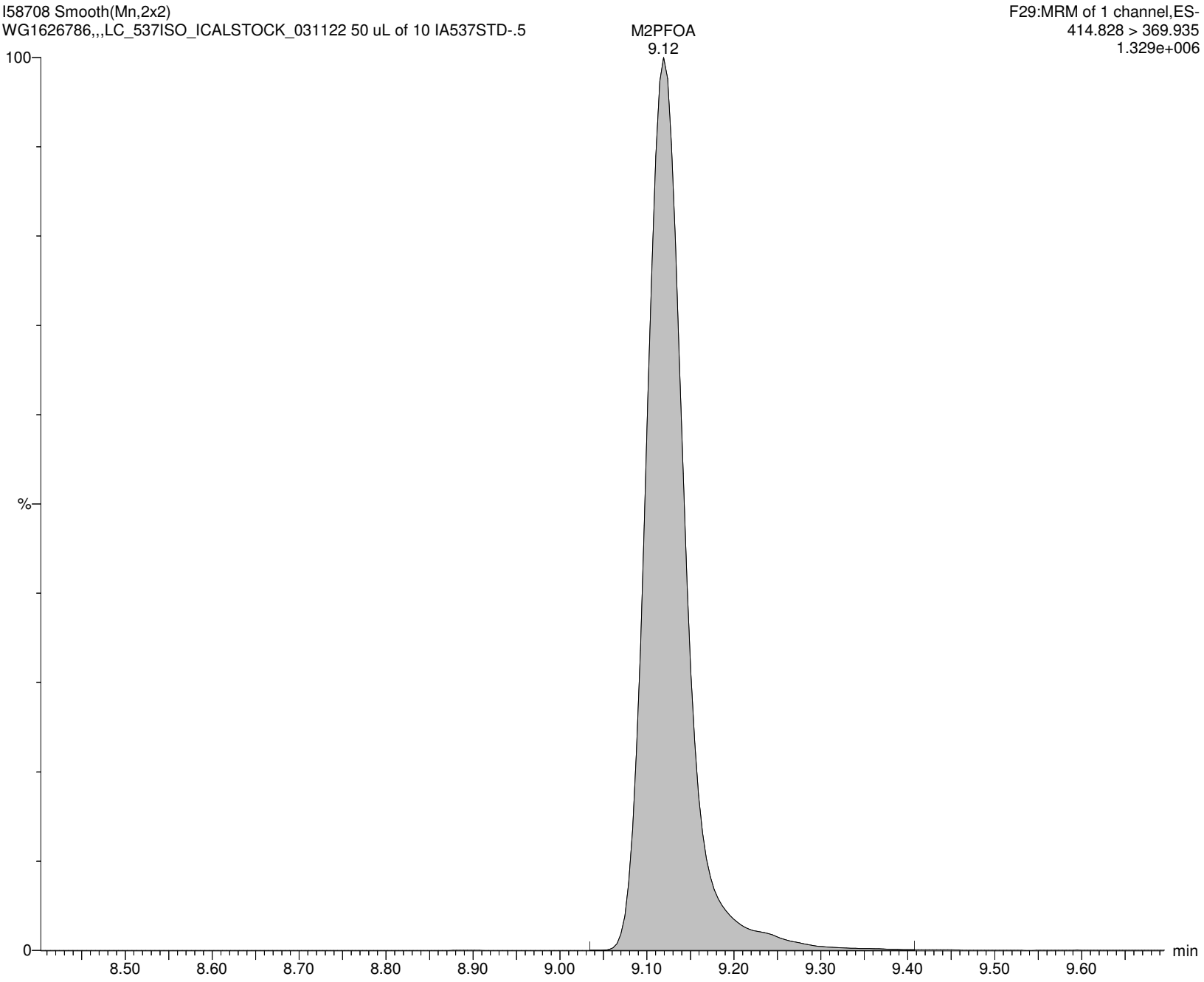


all concentration units in (ng/mL)

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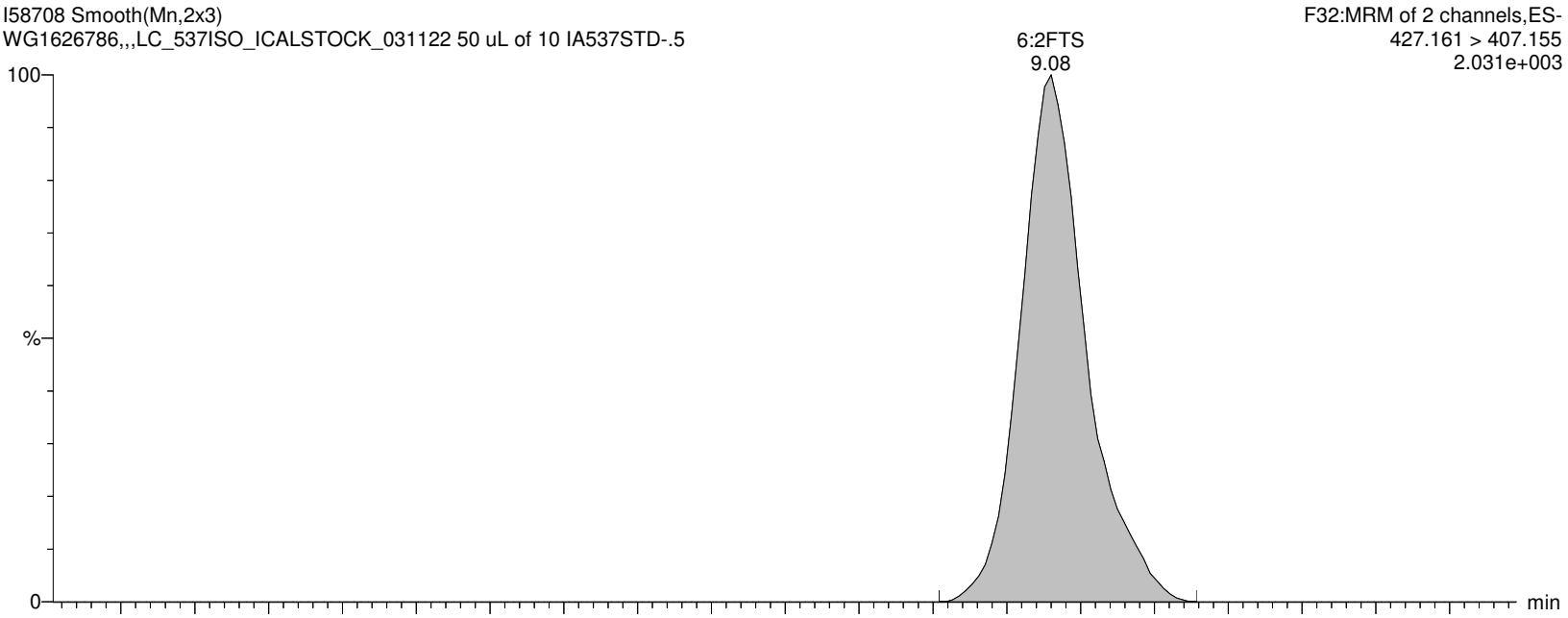


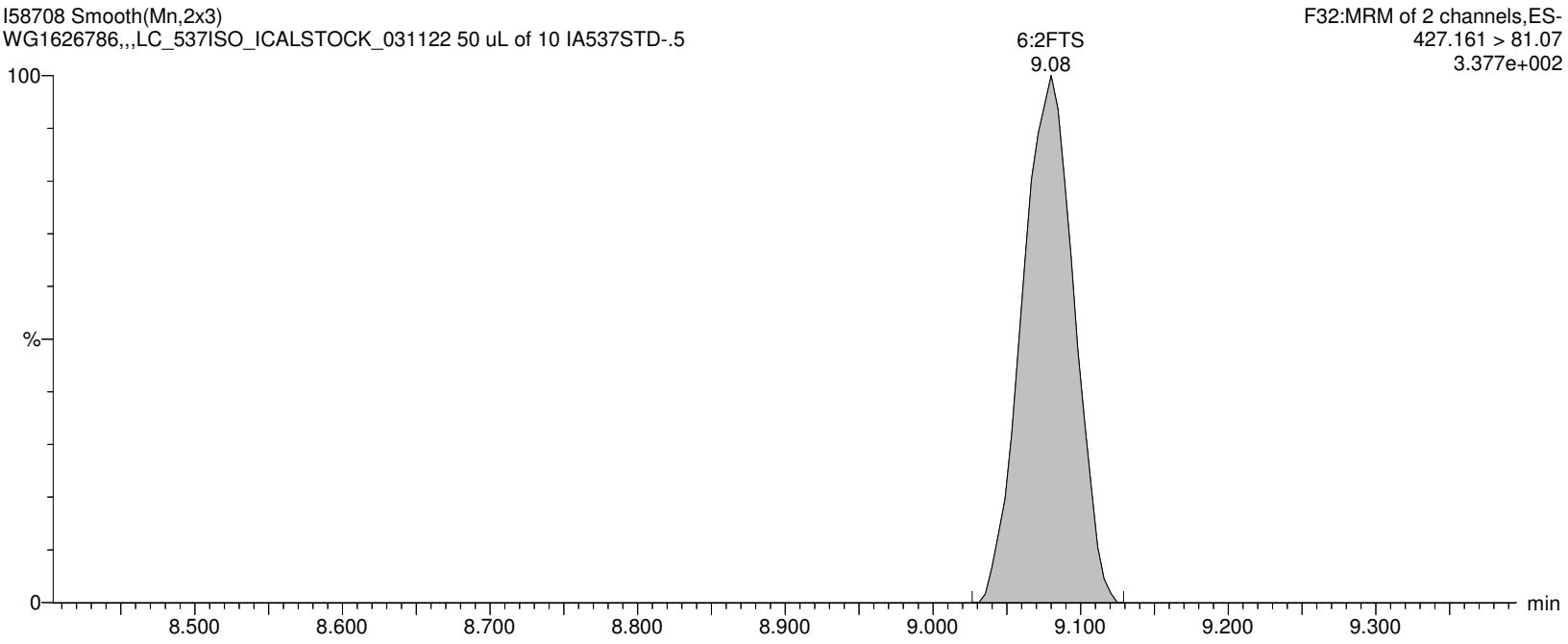
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



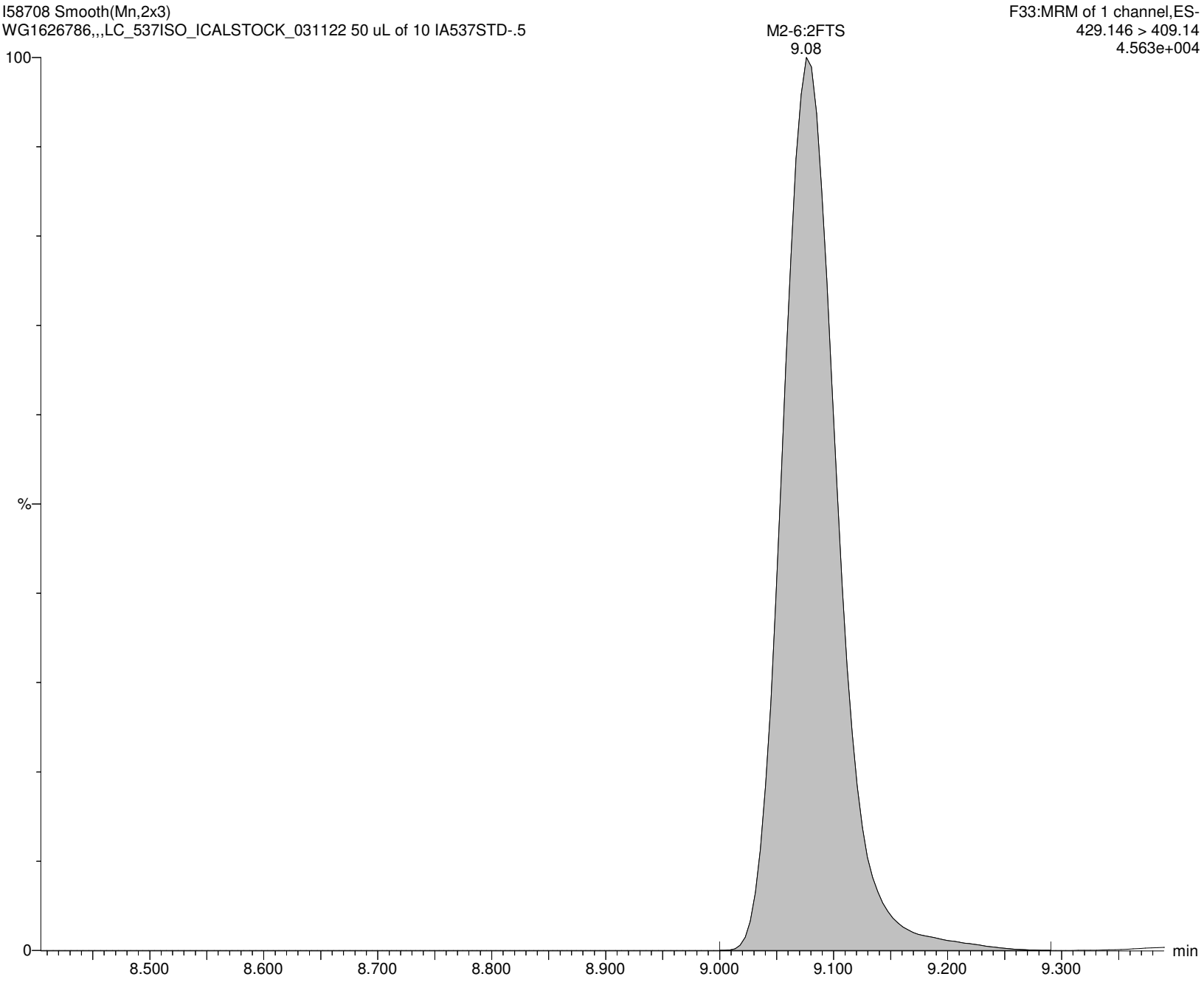


all concentration units in (ng/mL)

Alpha Analytical Inc.
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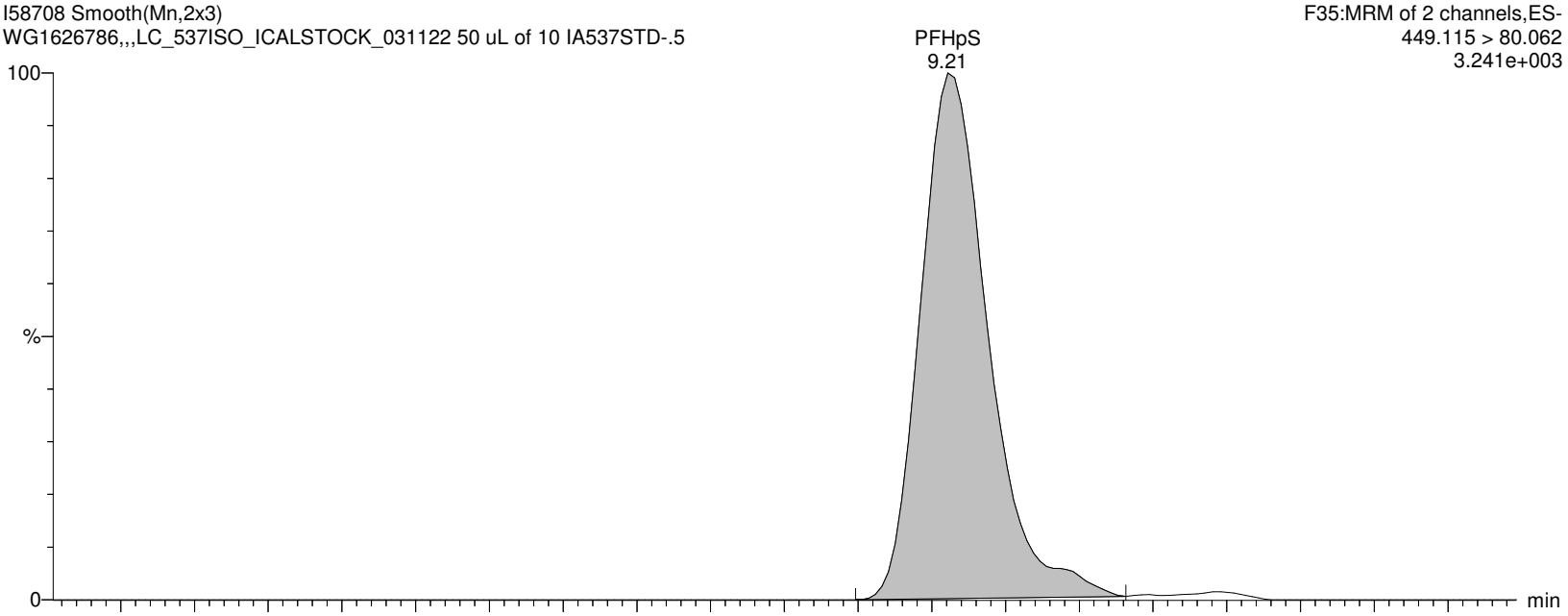


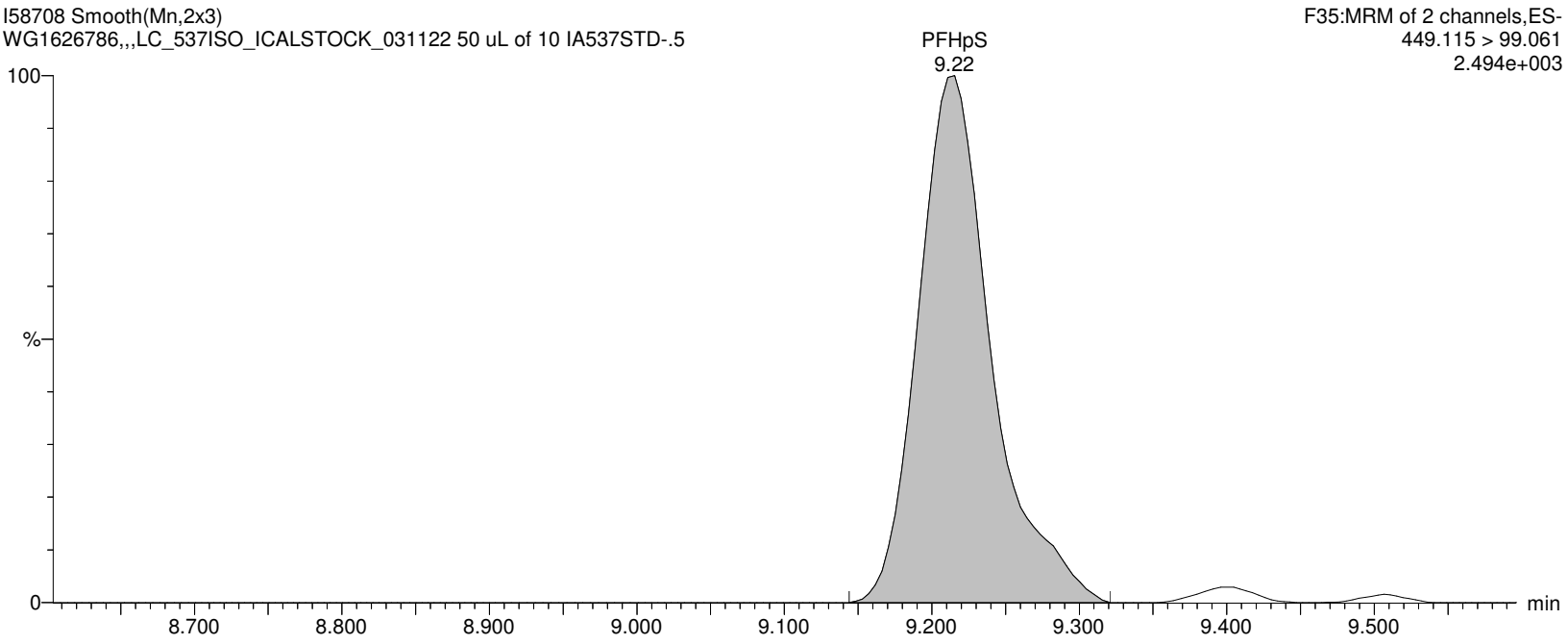
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Alpha Analytical Inc.
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PFHpS



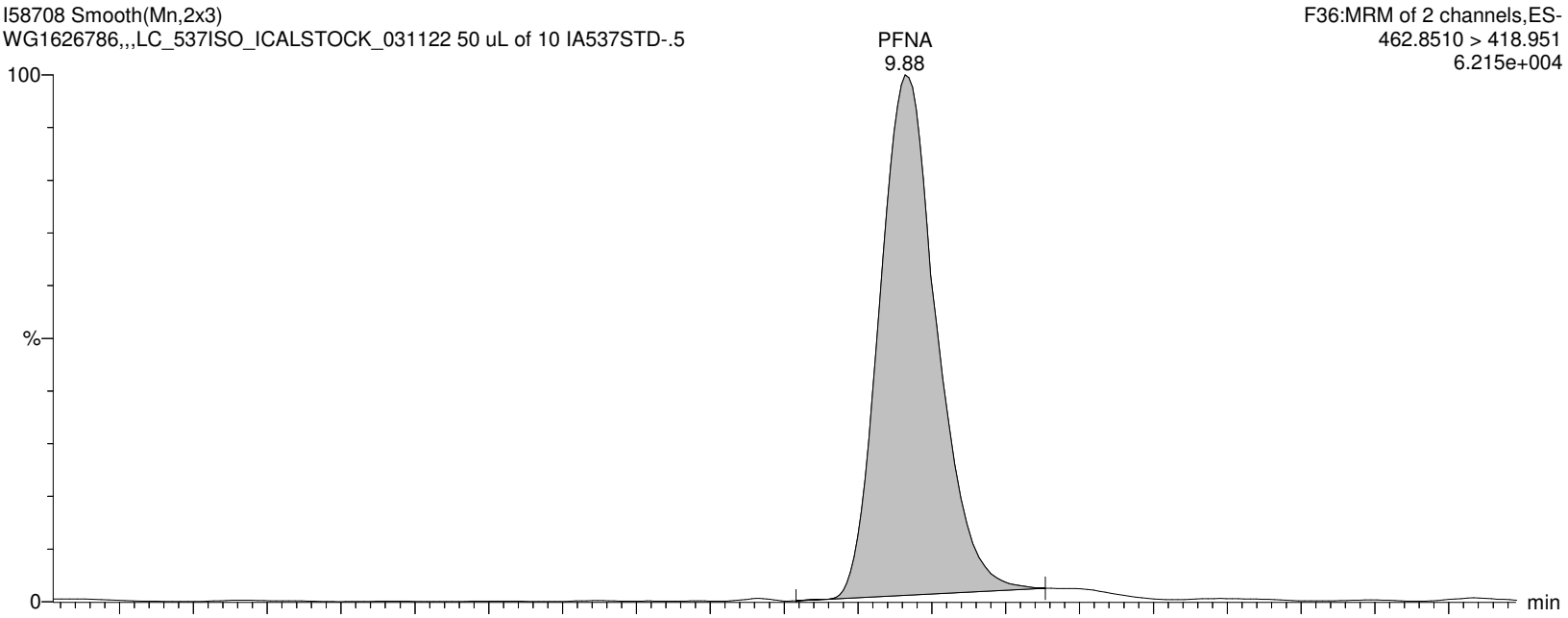


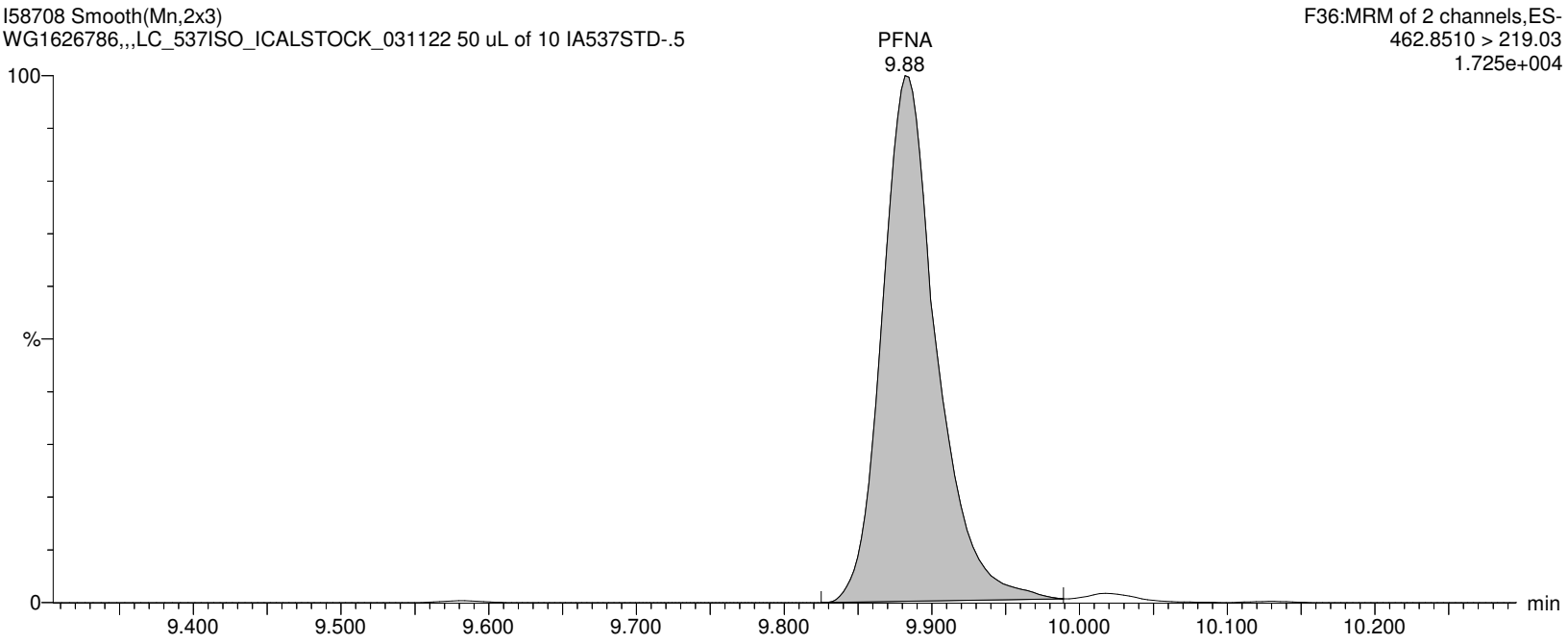
all concentration units in (ng/mL)

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Printed: Wednesday, April 13, 2022 20:52:09 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 19:32:11
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User: LCMS02:MP
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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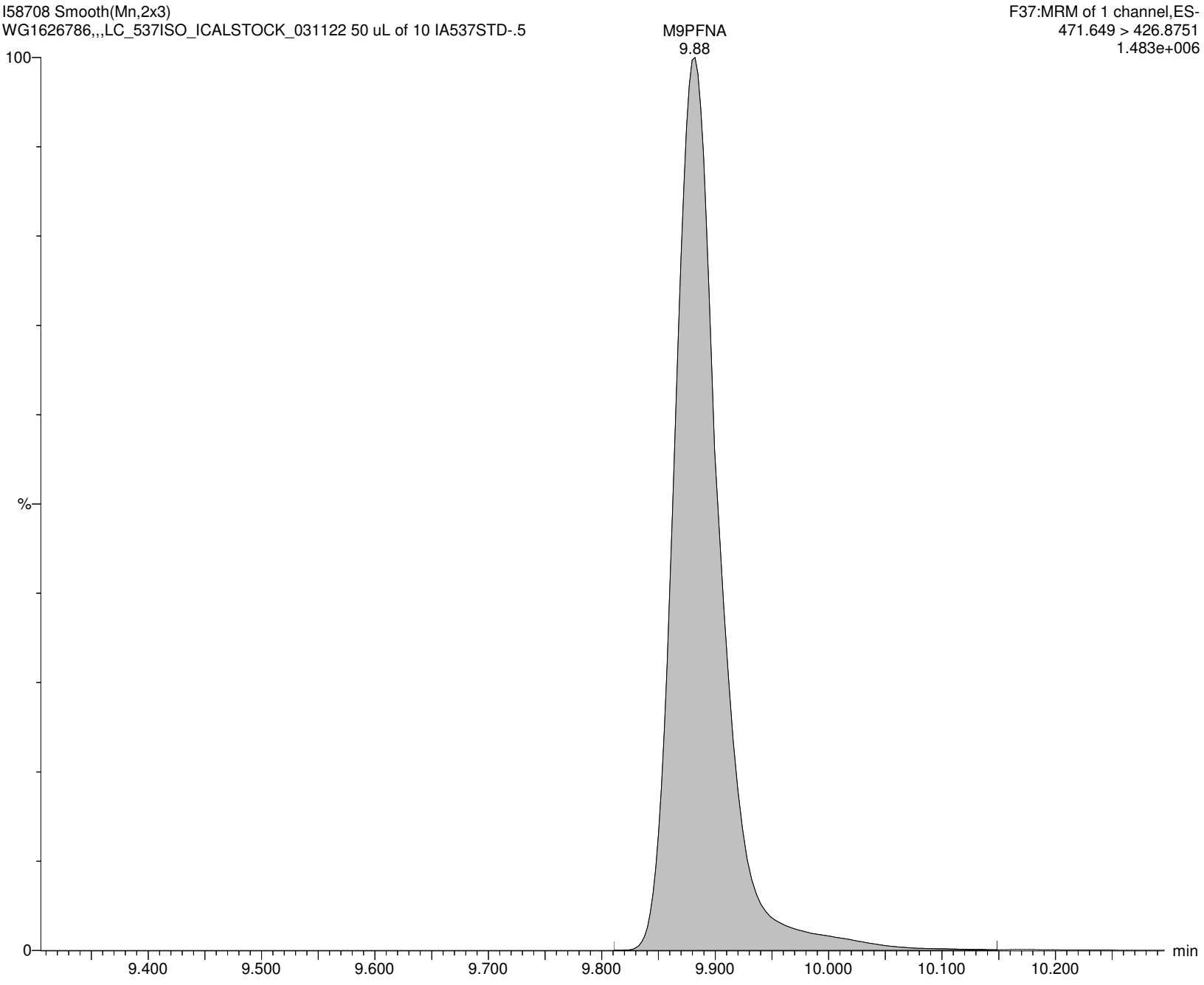


all concentration units in (ng/mL)

Alpha Analytical Inc.
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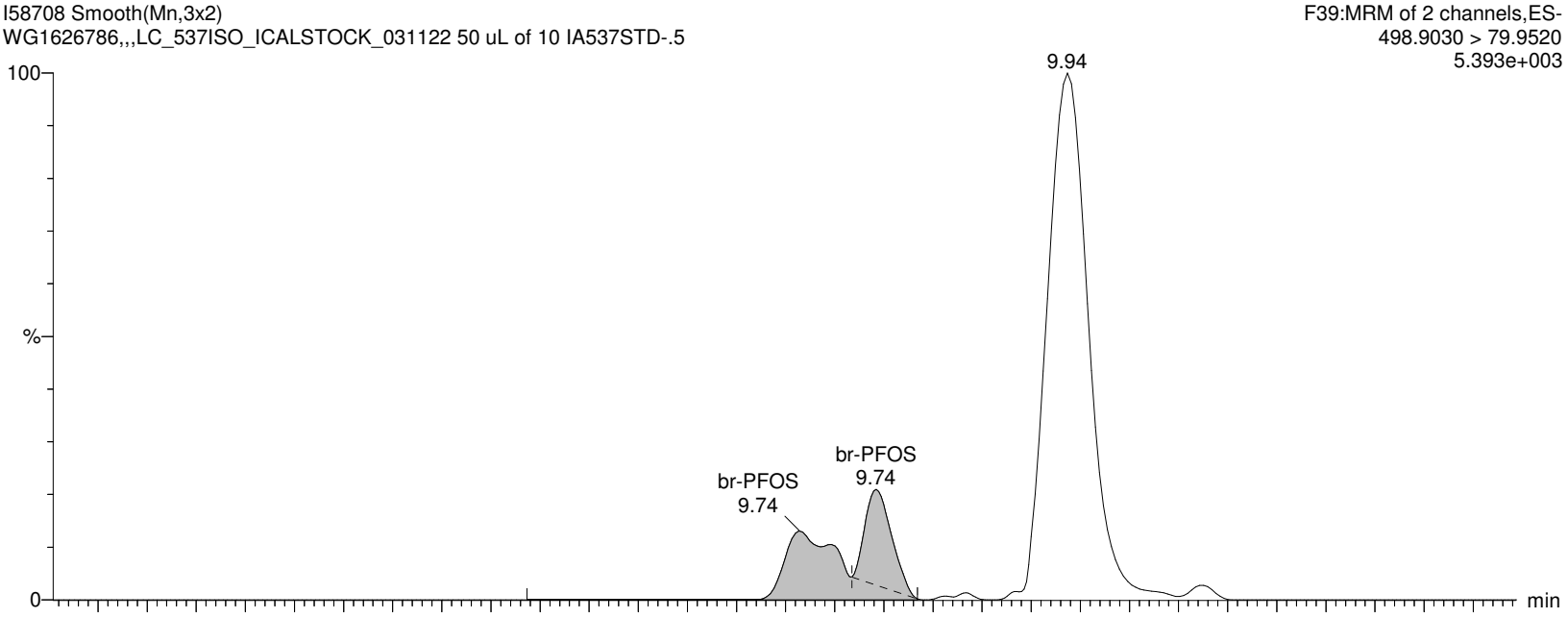


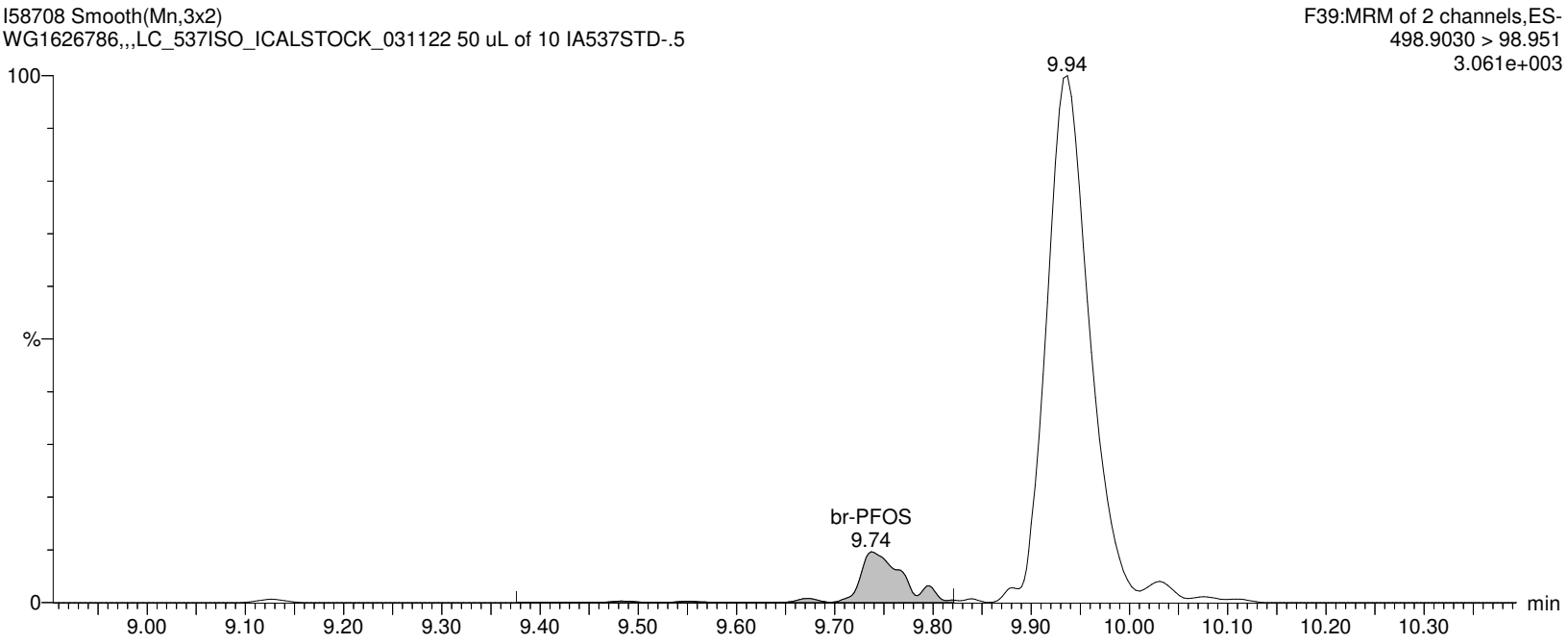
all concentration units in (ng/mL)

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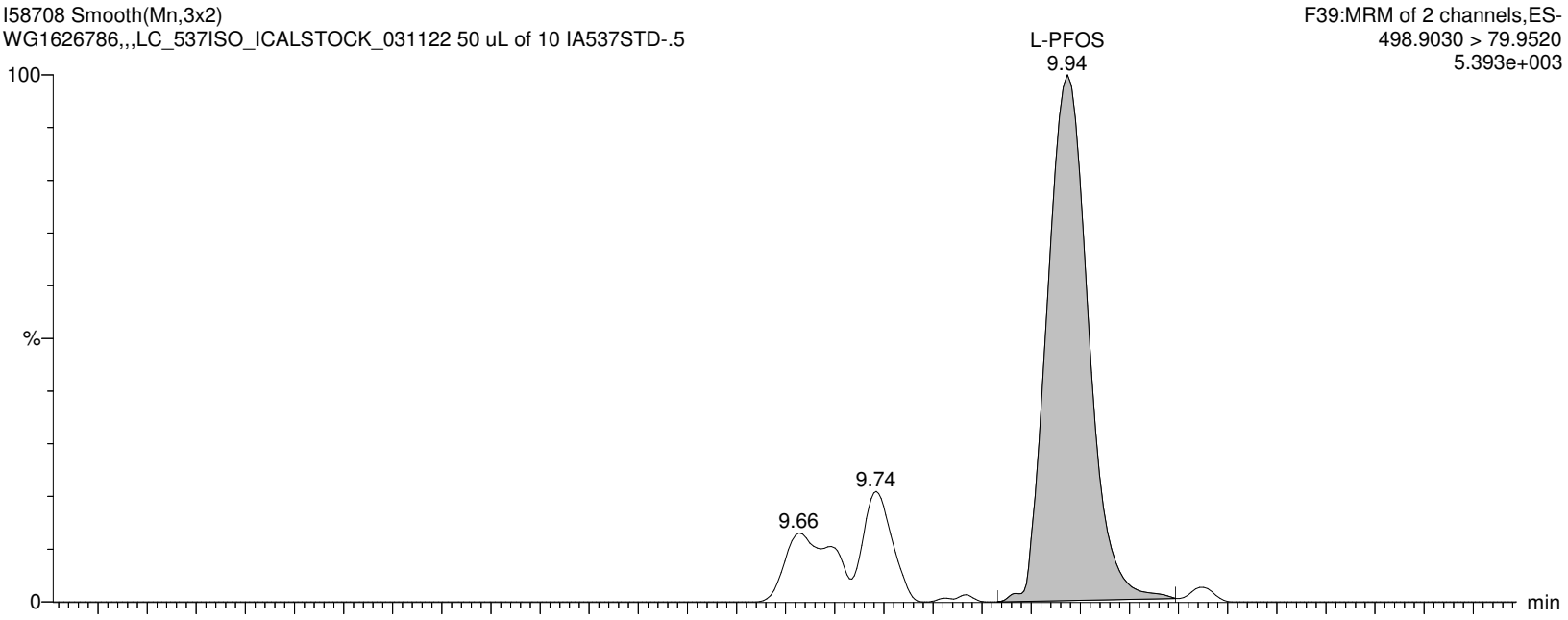


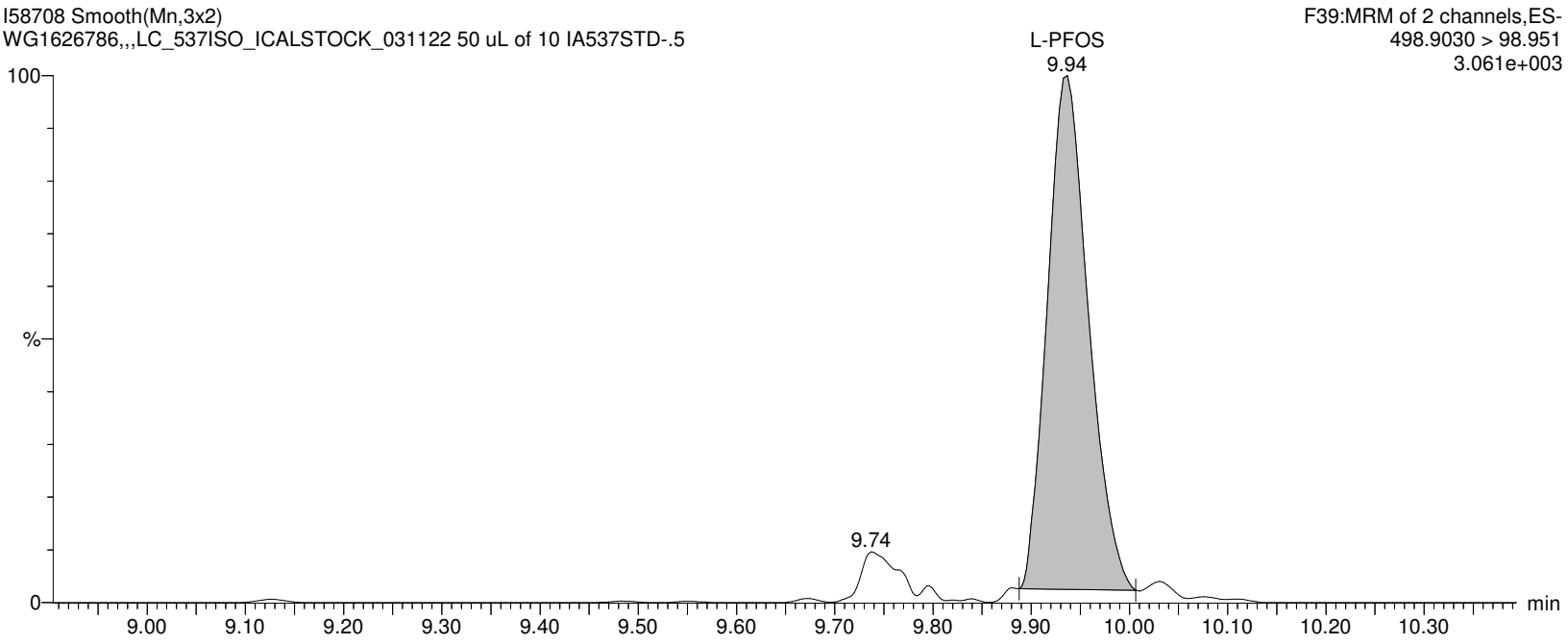
all concentration units in (ng/mL)

Alpha Analytical Inc.
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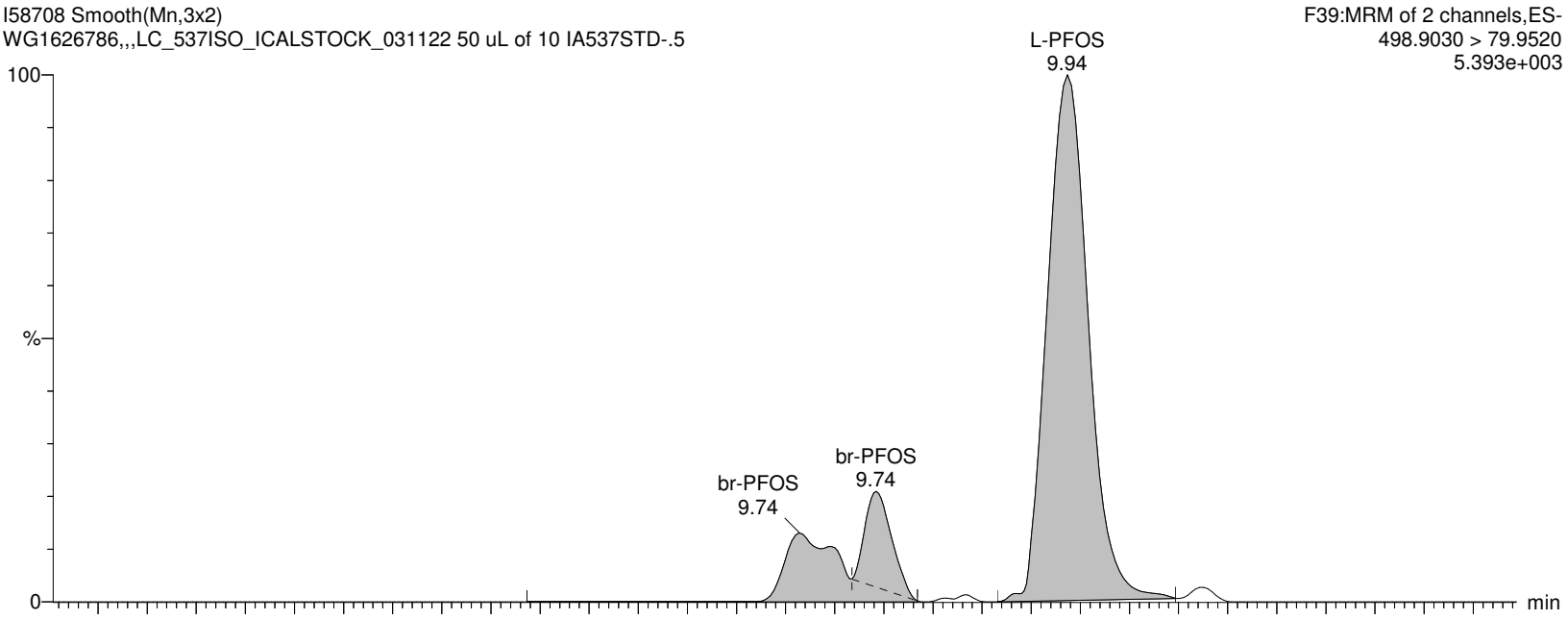


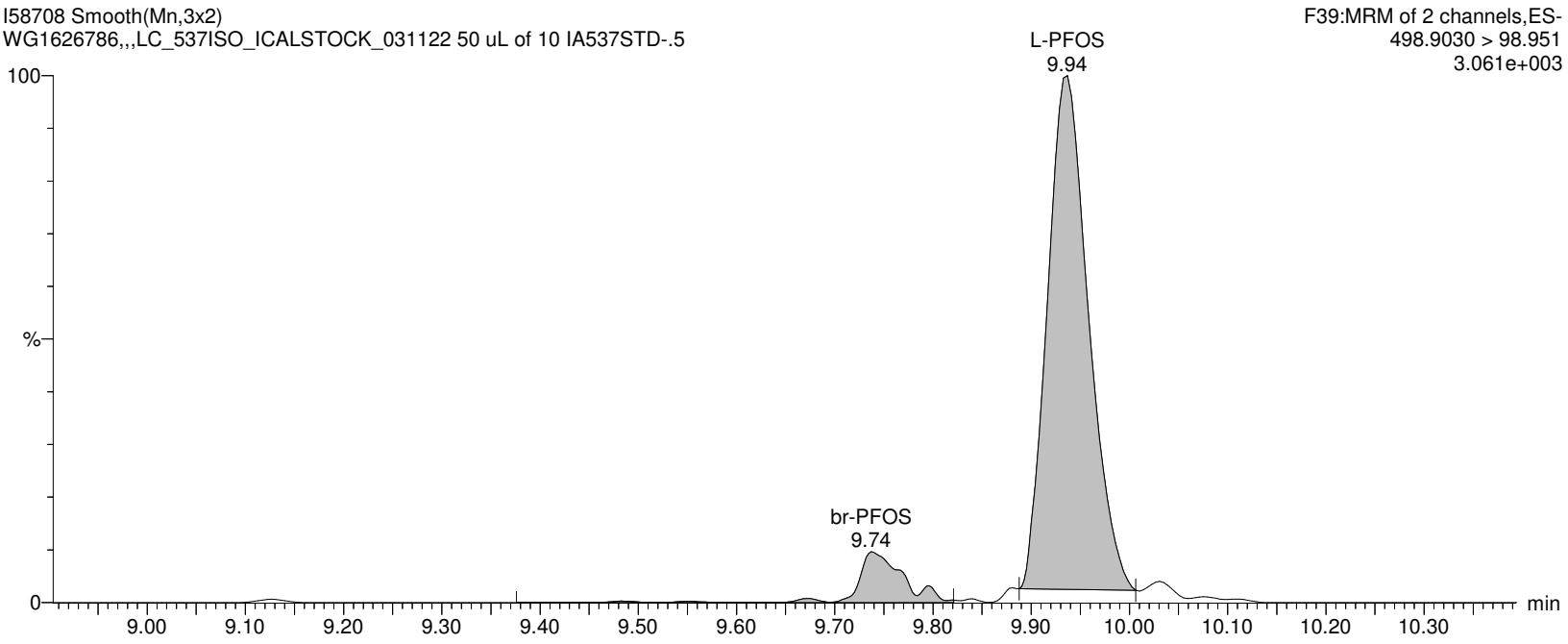
all concentration units in (ng/mL)

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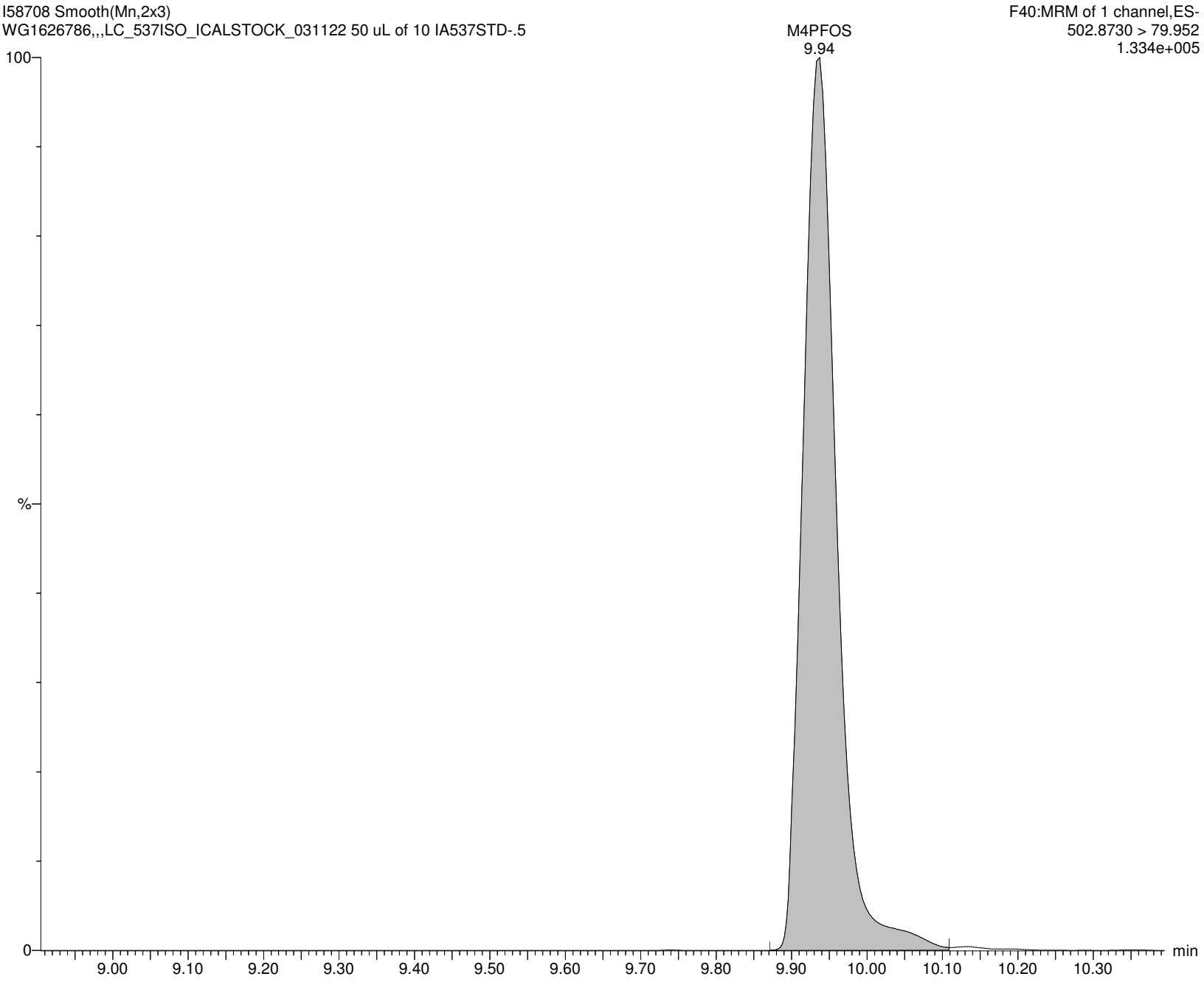


all concentration units in (ng/mL)

Alpha Analytical Inc.
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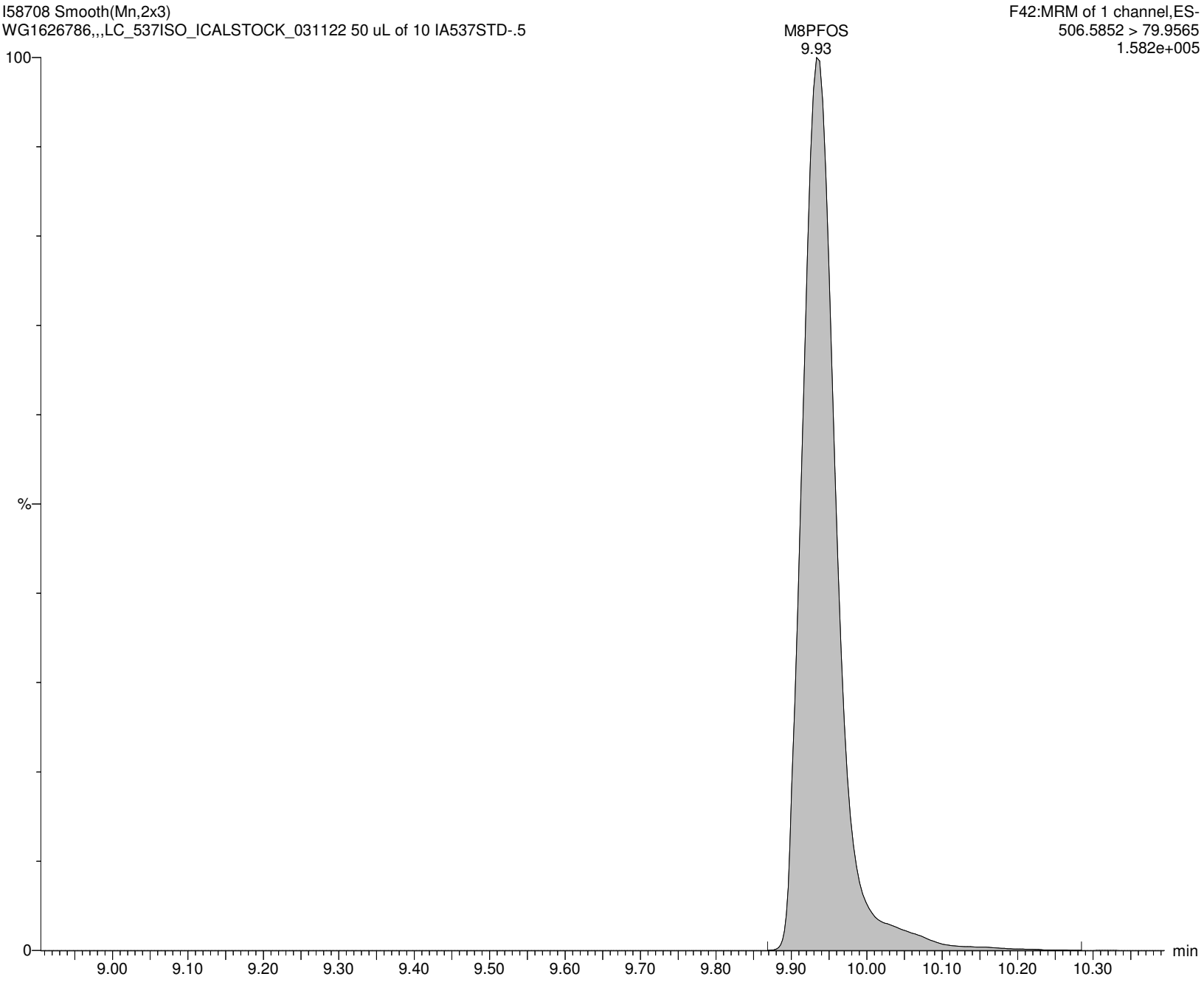


all concentration units in (ng/mL)

Alpha Analytical Inc.
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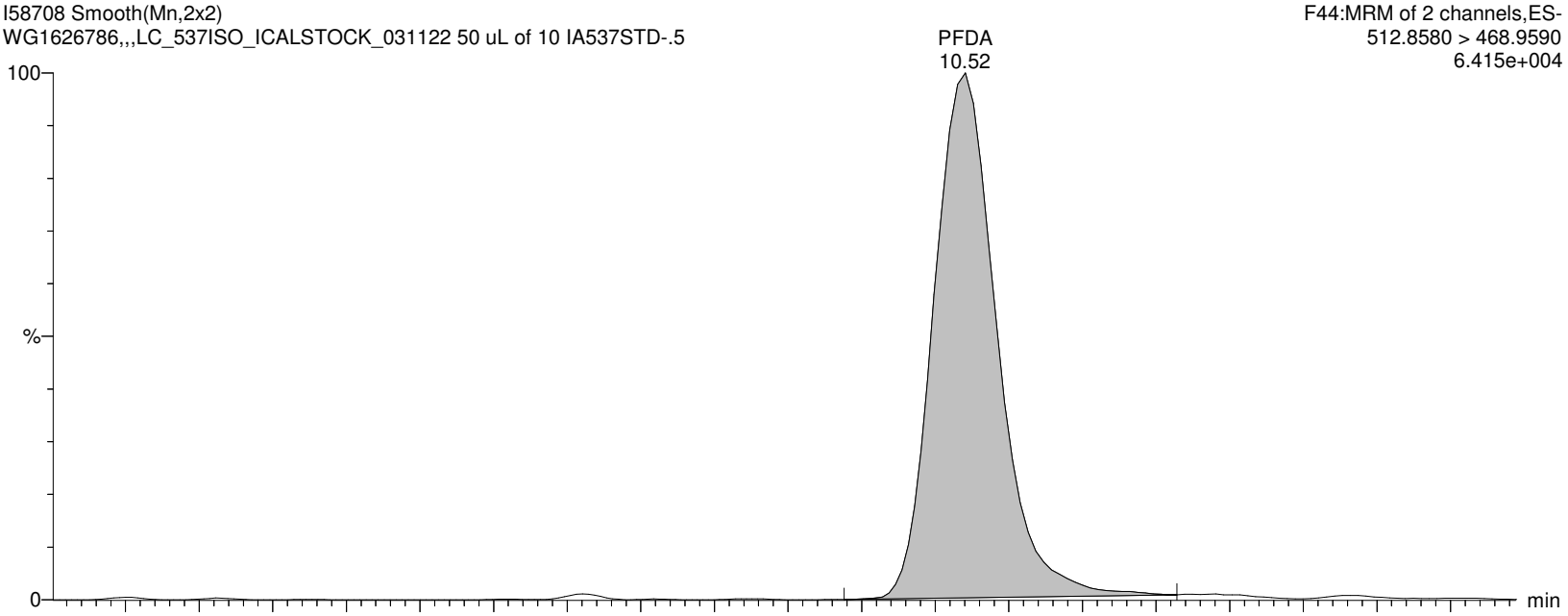


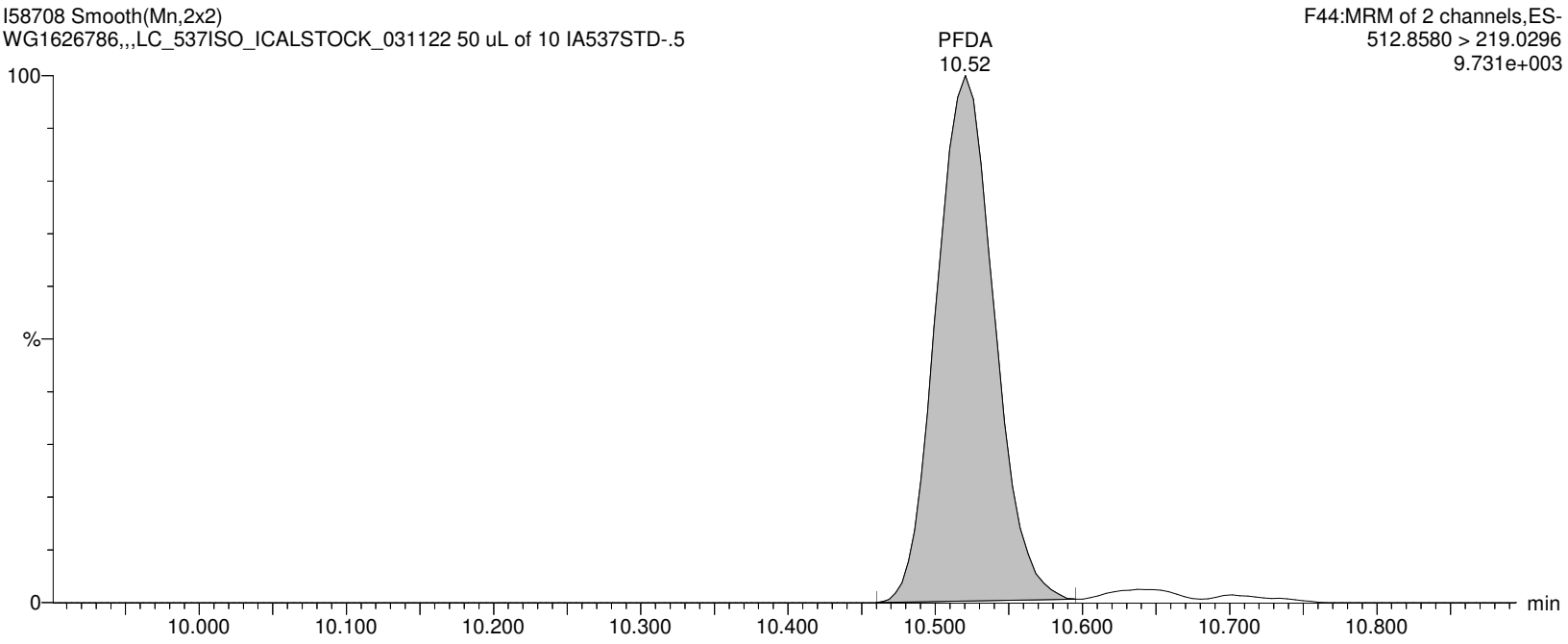
all concentration units in (ng/mL)

Alpha Analytical Inc.
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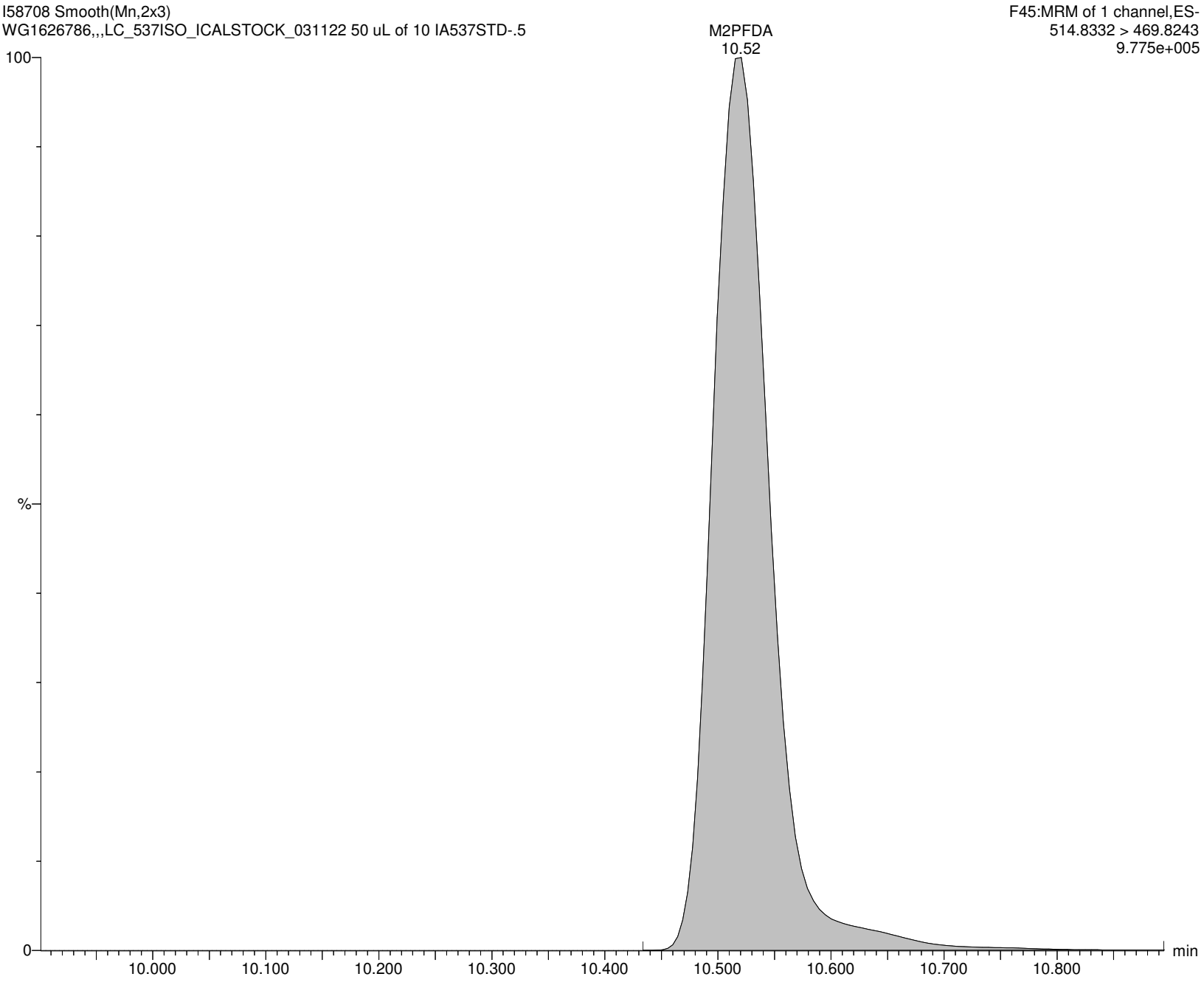


all concentration units in (ng/mL)

Alpha Analytical Inc.
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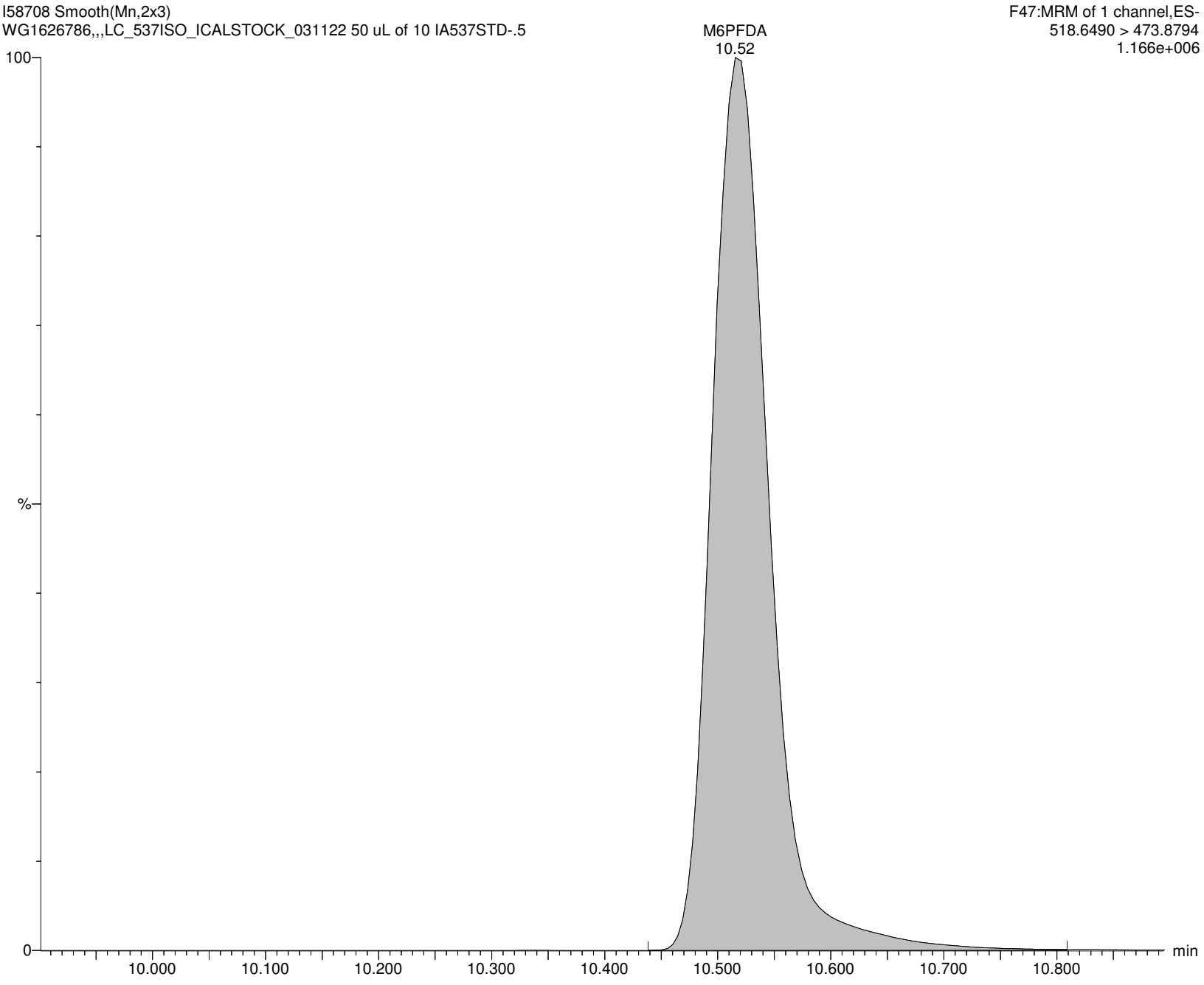


all concentration units in (ng/mL)

Alpha Analytical Inc.
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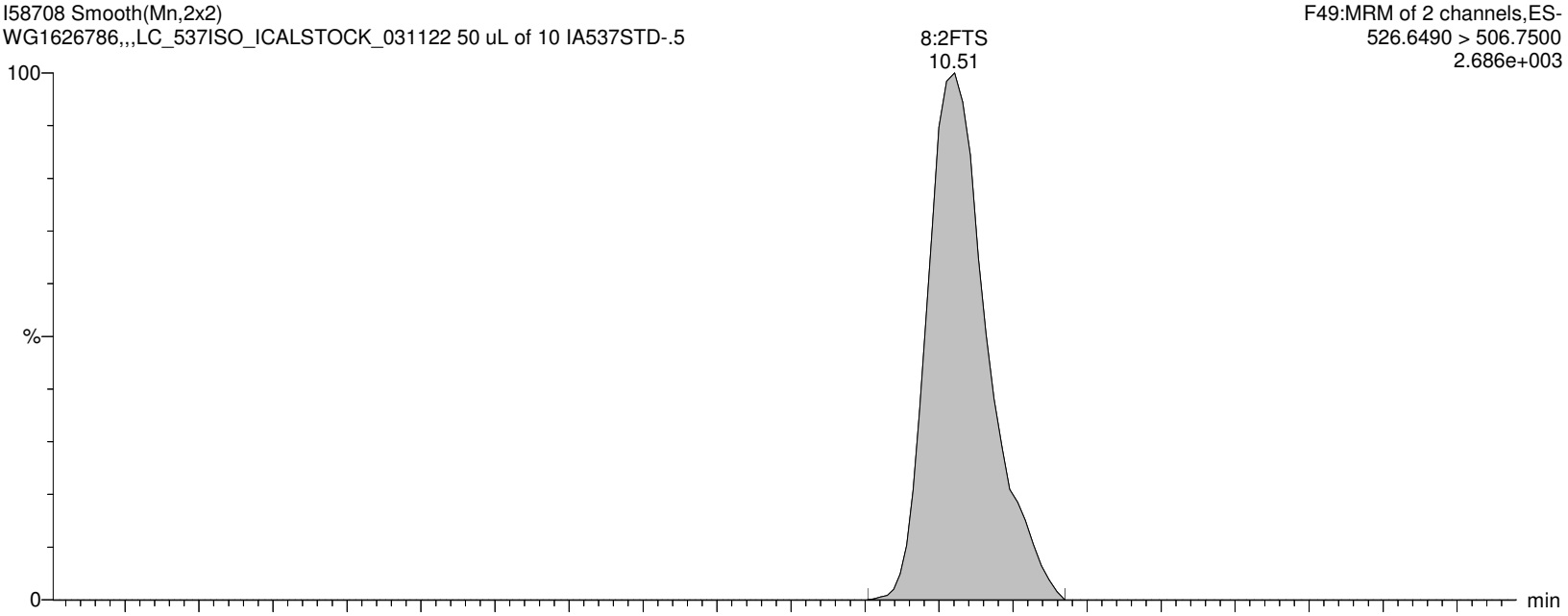


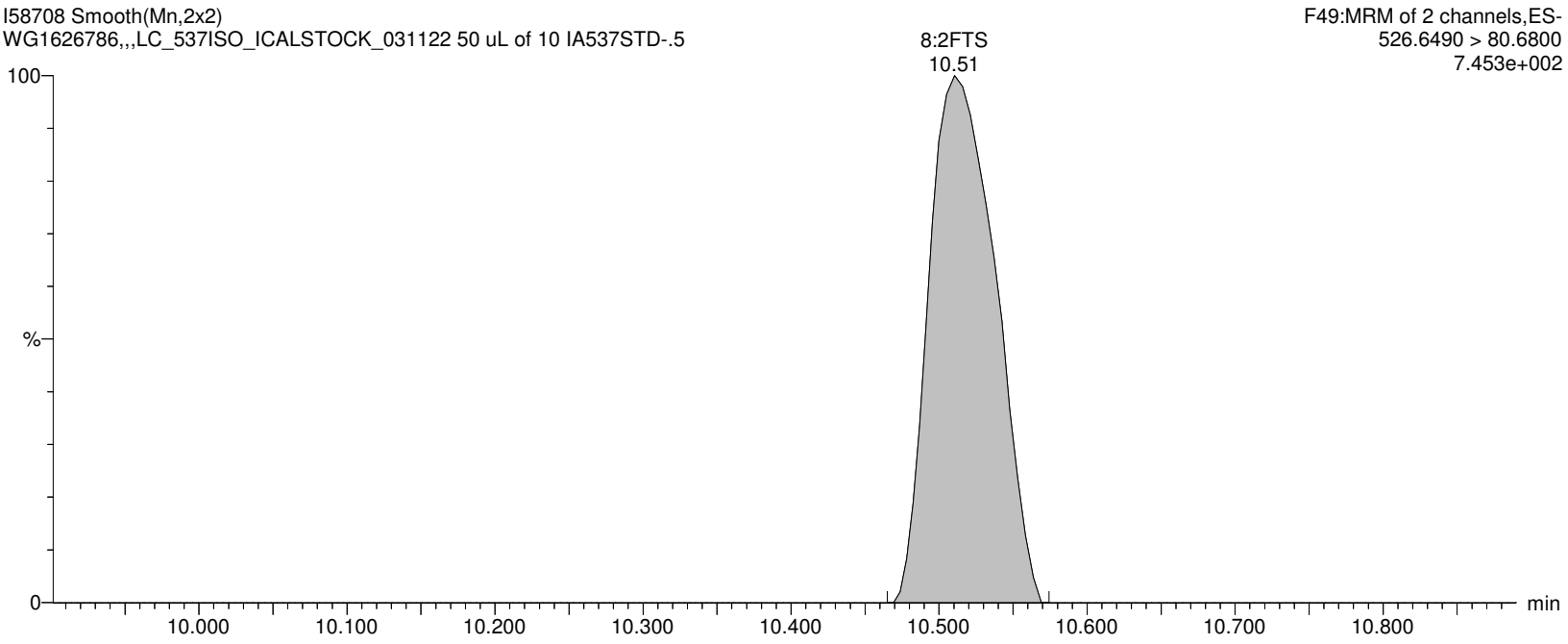
all concentration units in (ng/mL)

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8:2FTS



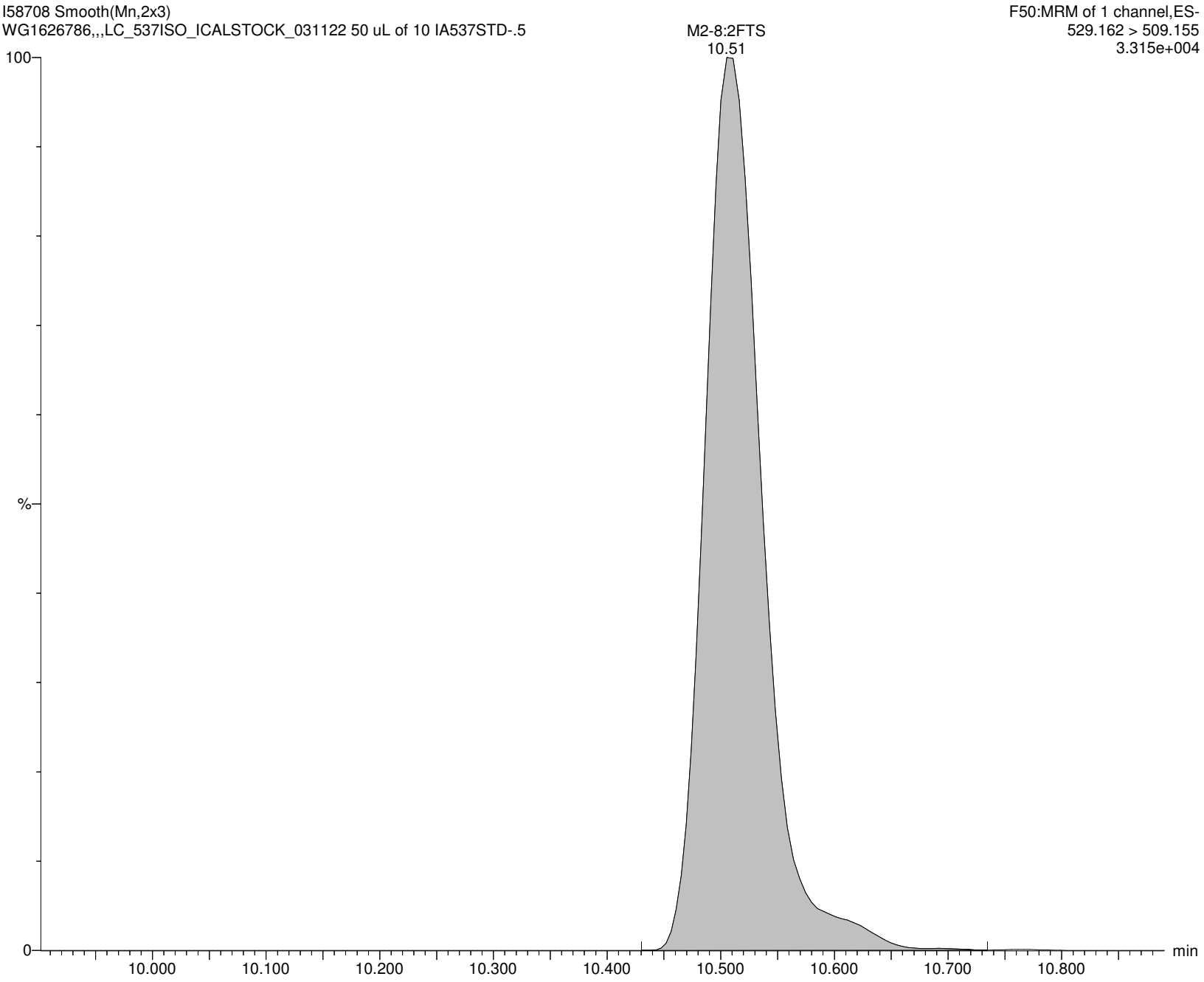


all concentration units in (ng/mL)

Alpha Analytical Inc.
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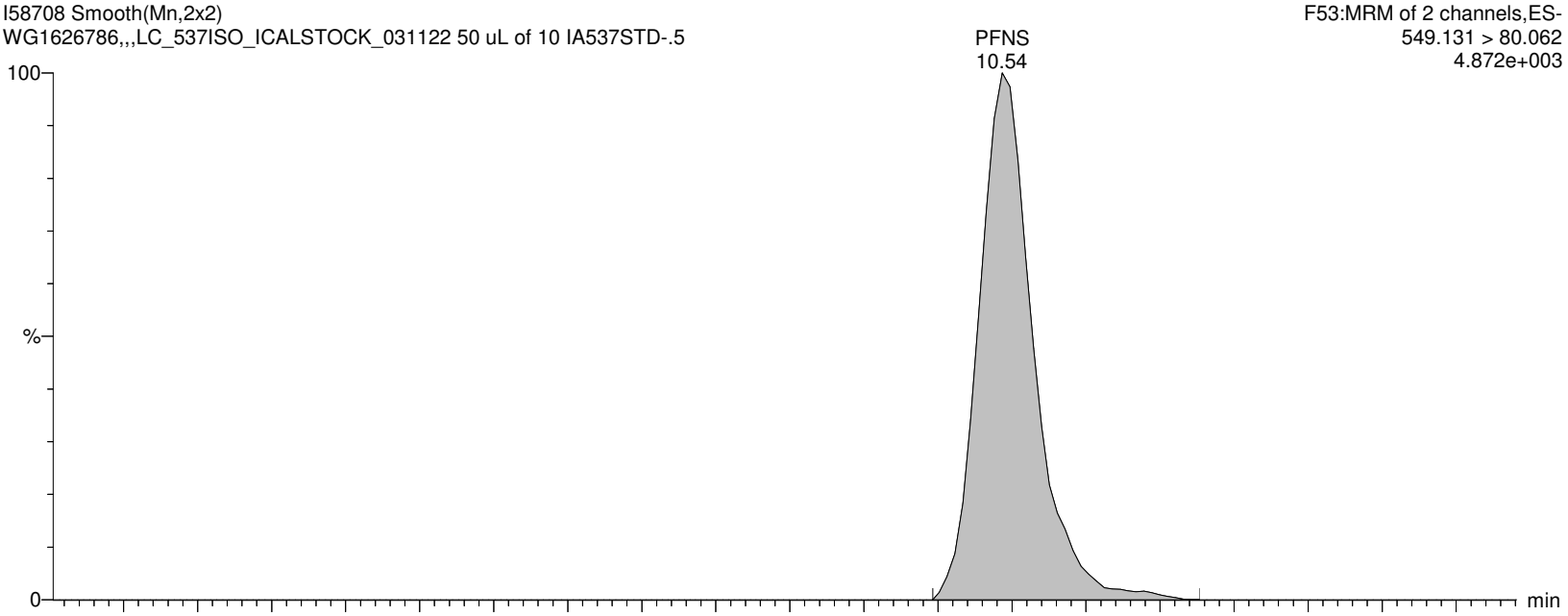


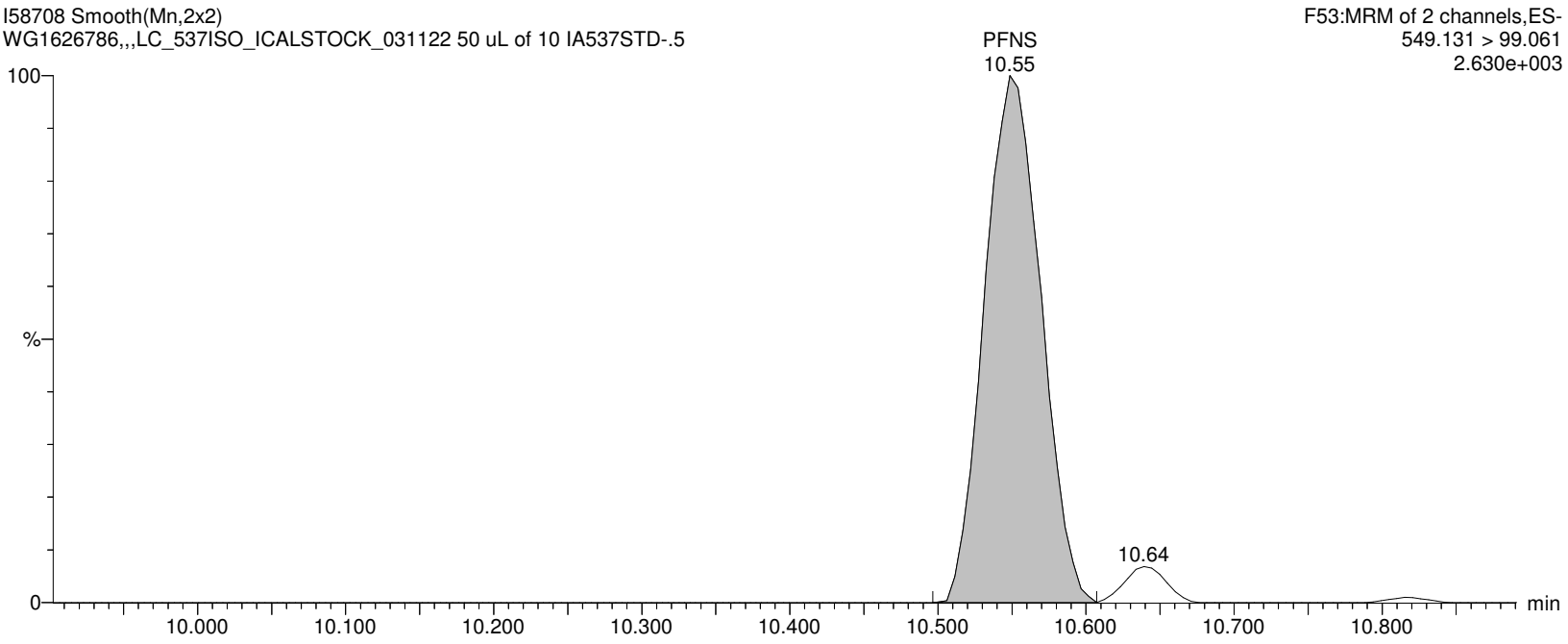
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFNS



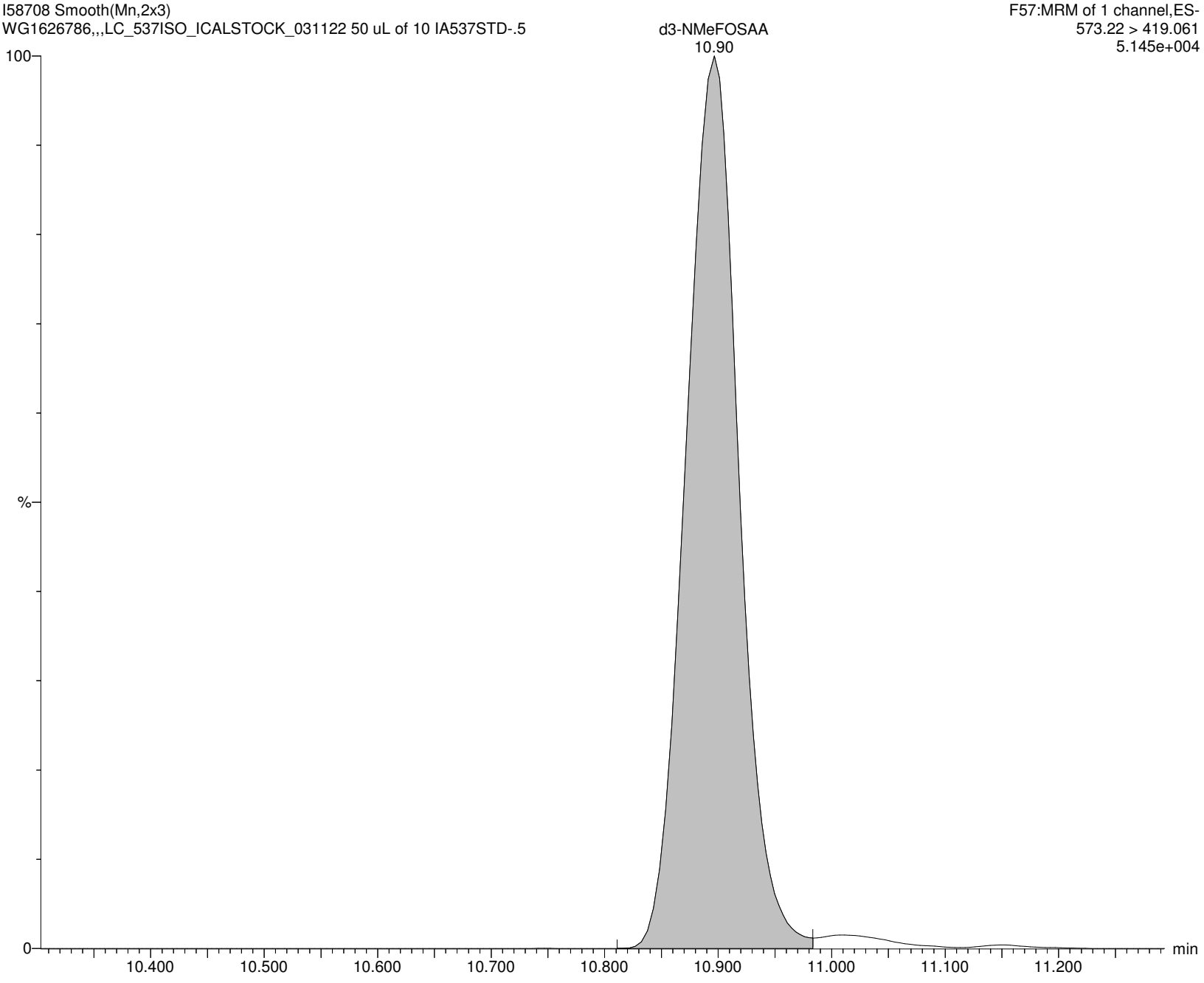


all concentration units in (ng/mL)

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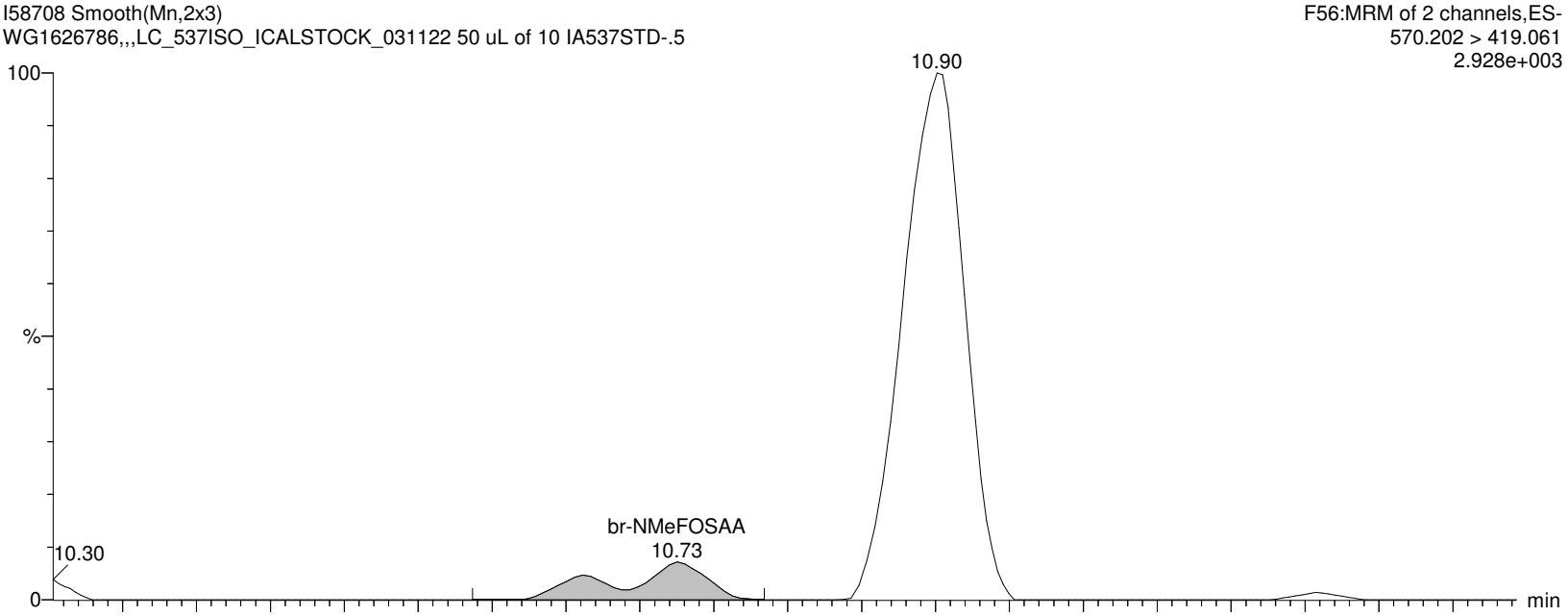


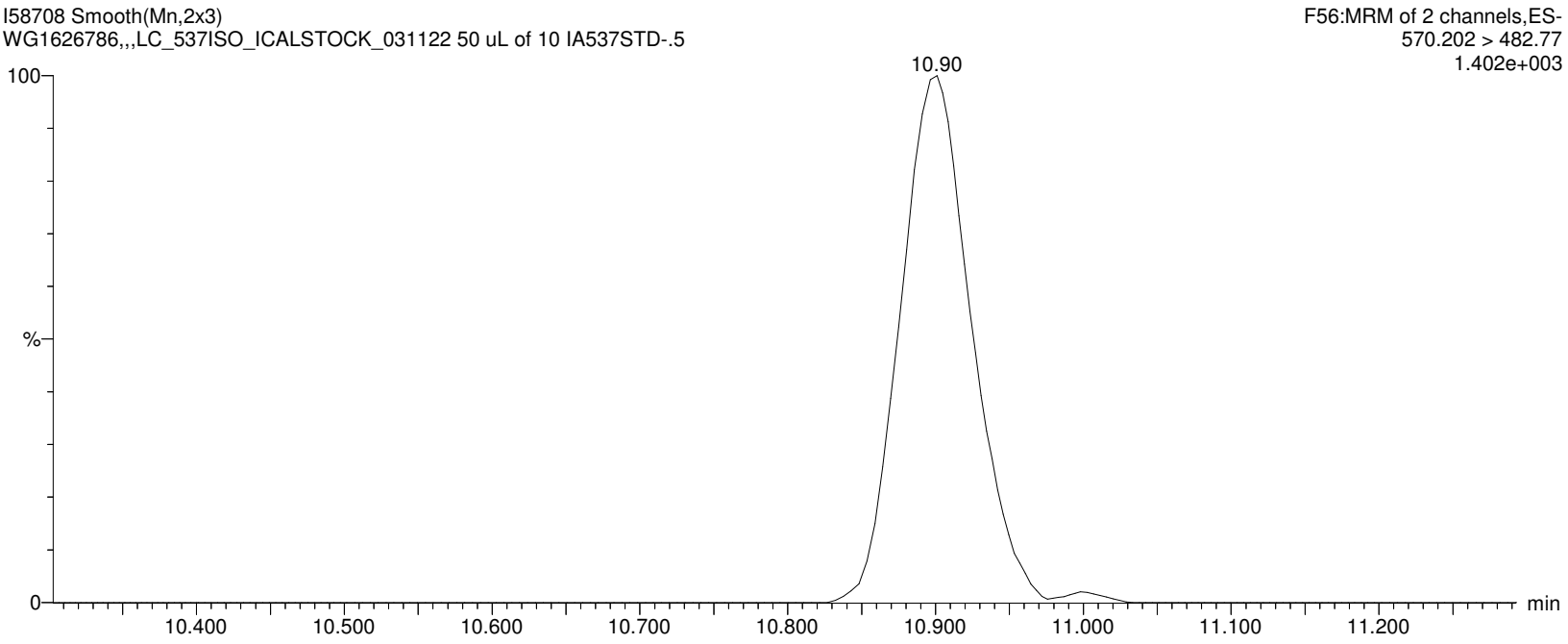
all concentration units in (ng/mL)

Alpha Analytical Inc.
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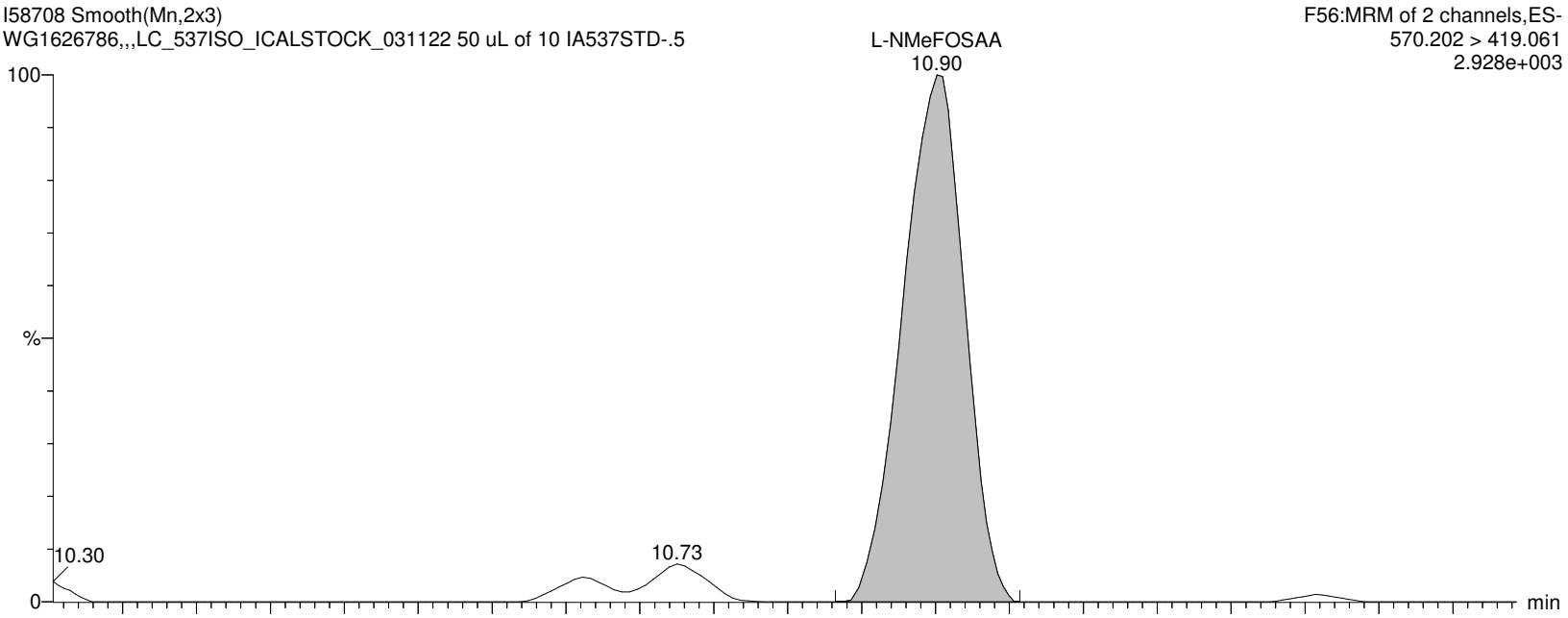


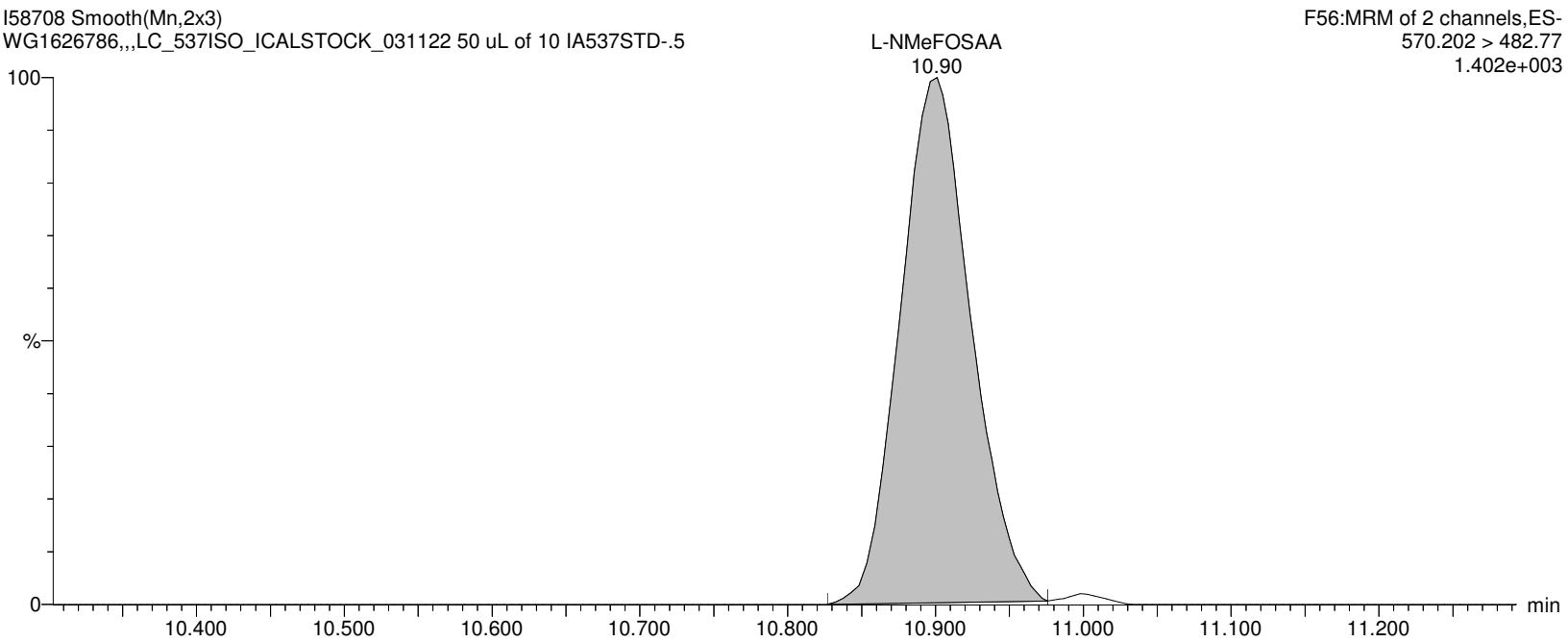
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L-NMeFOSAA



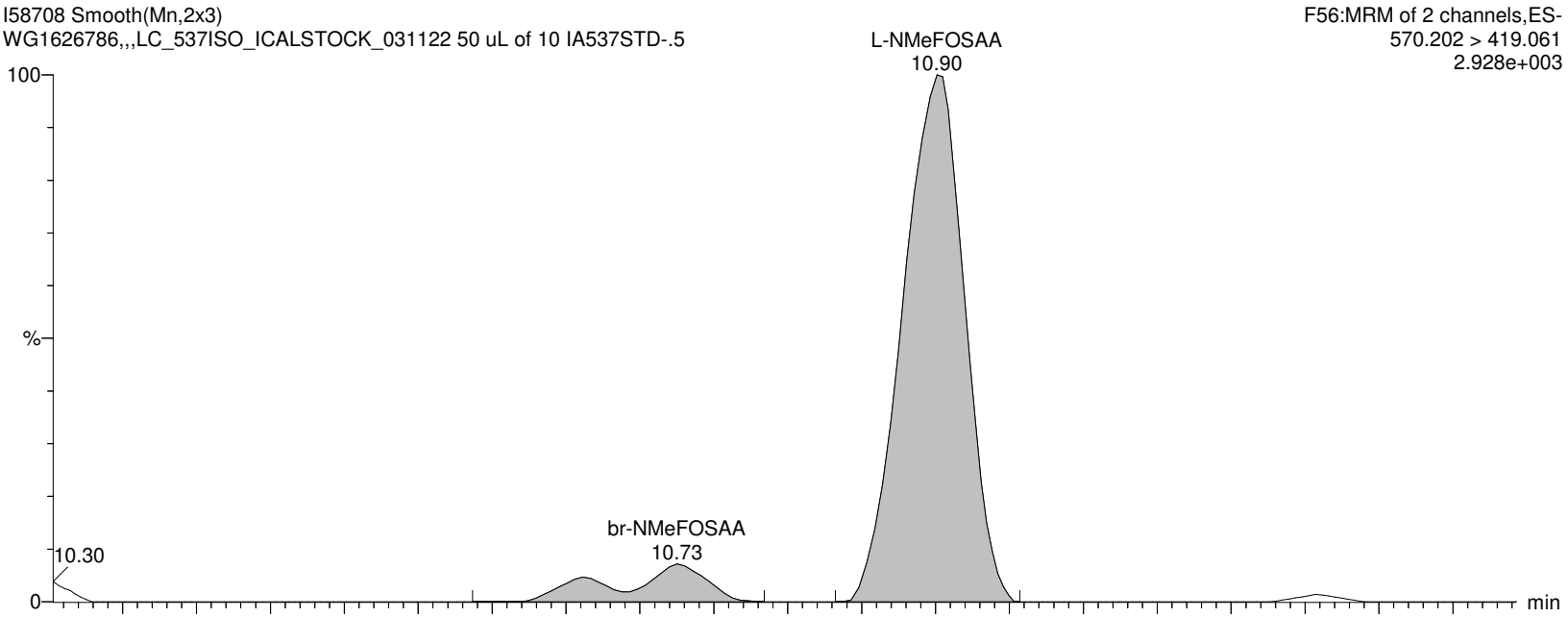


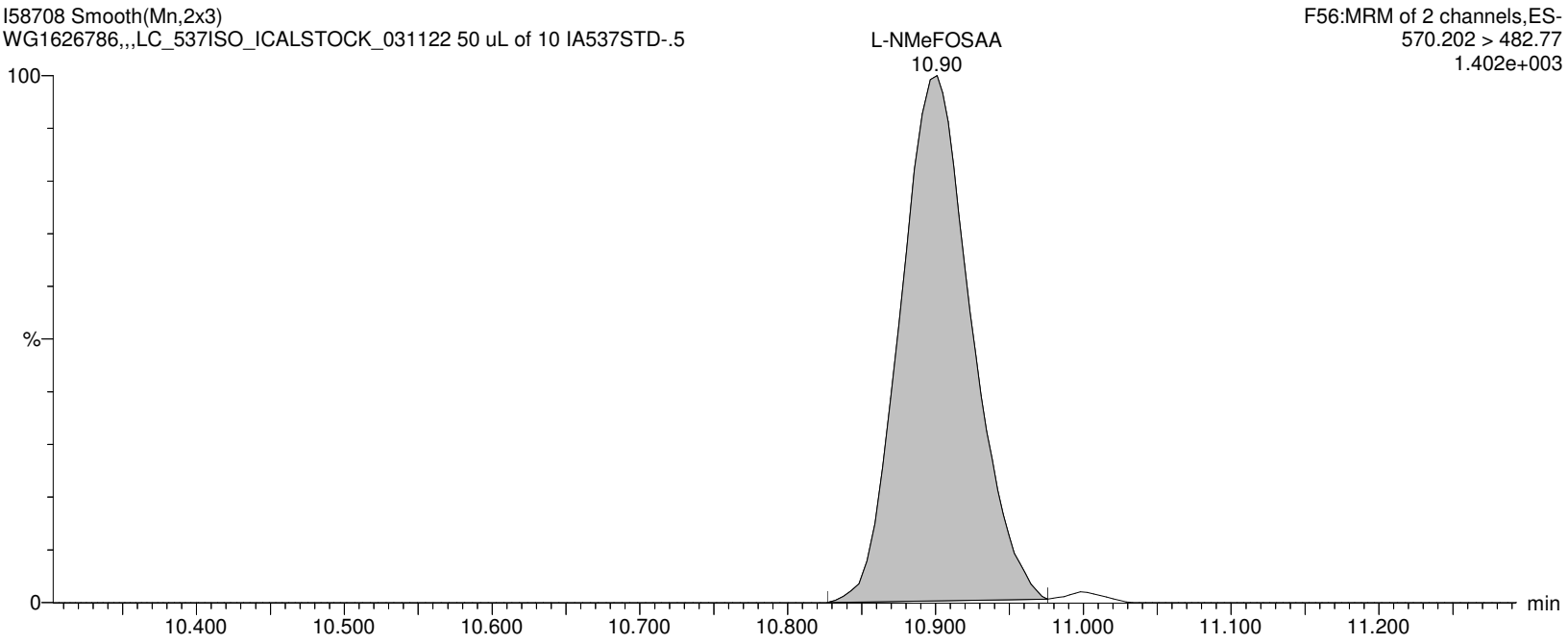
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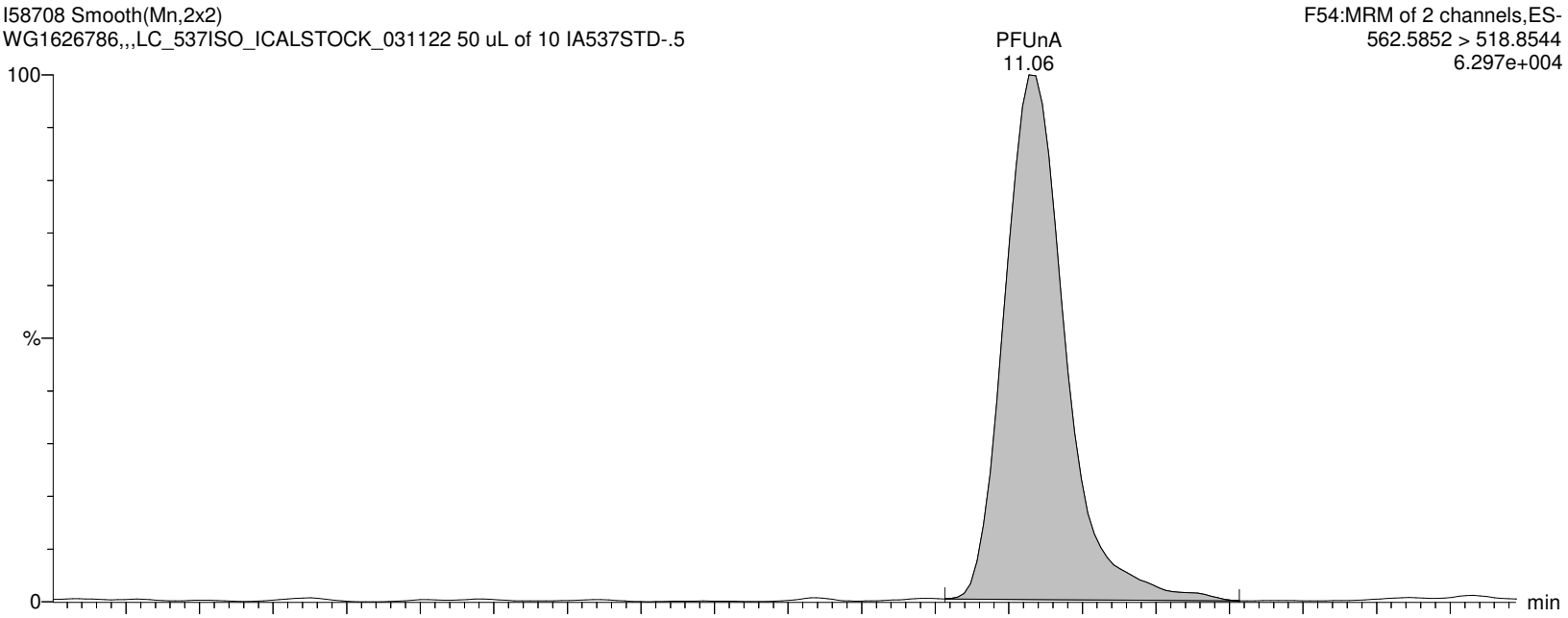


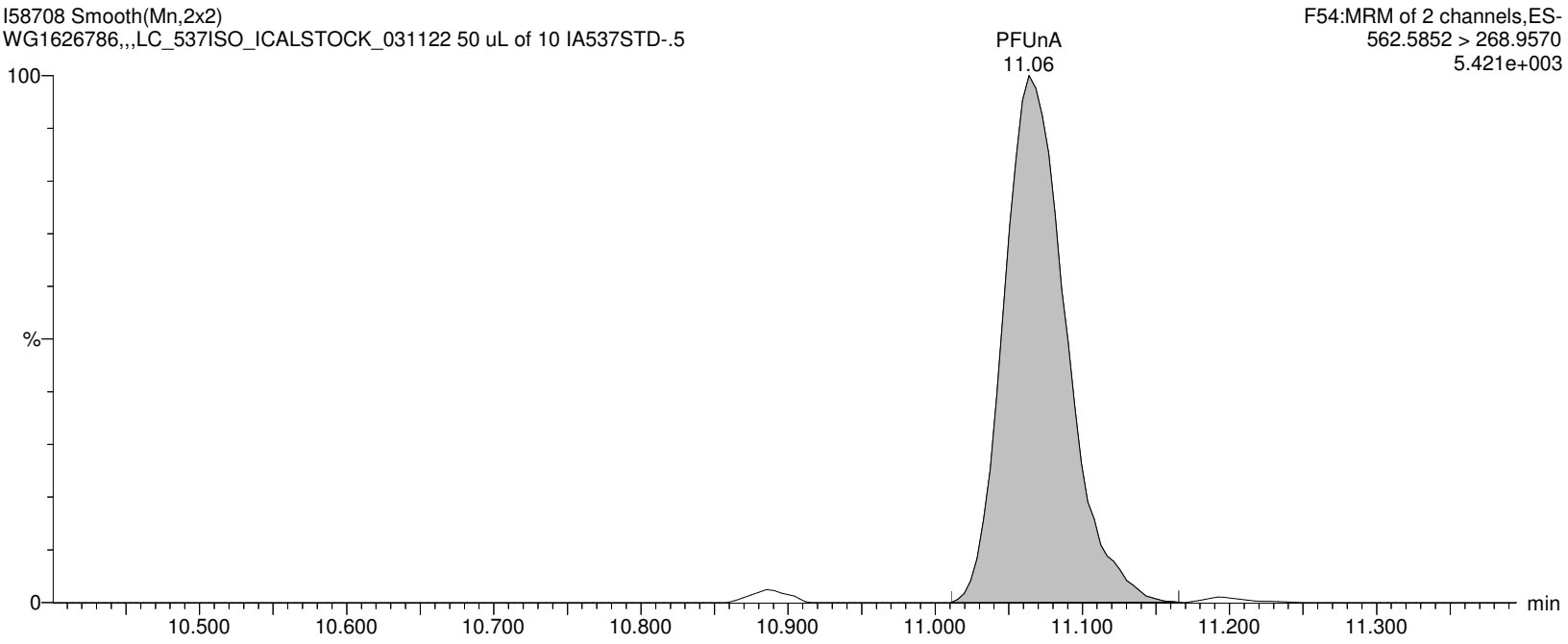
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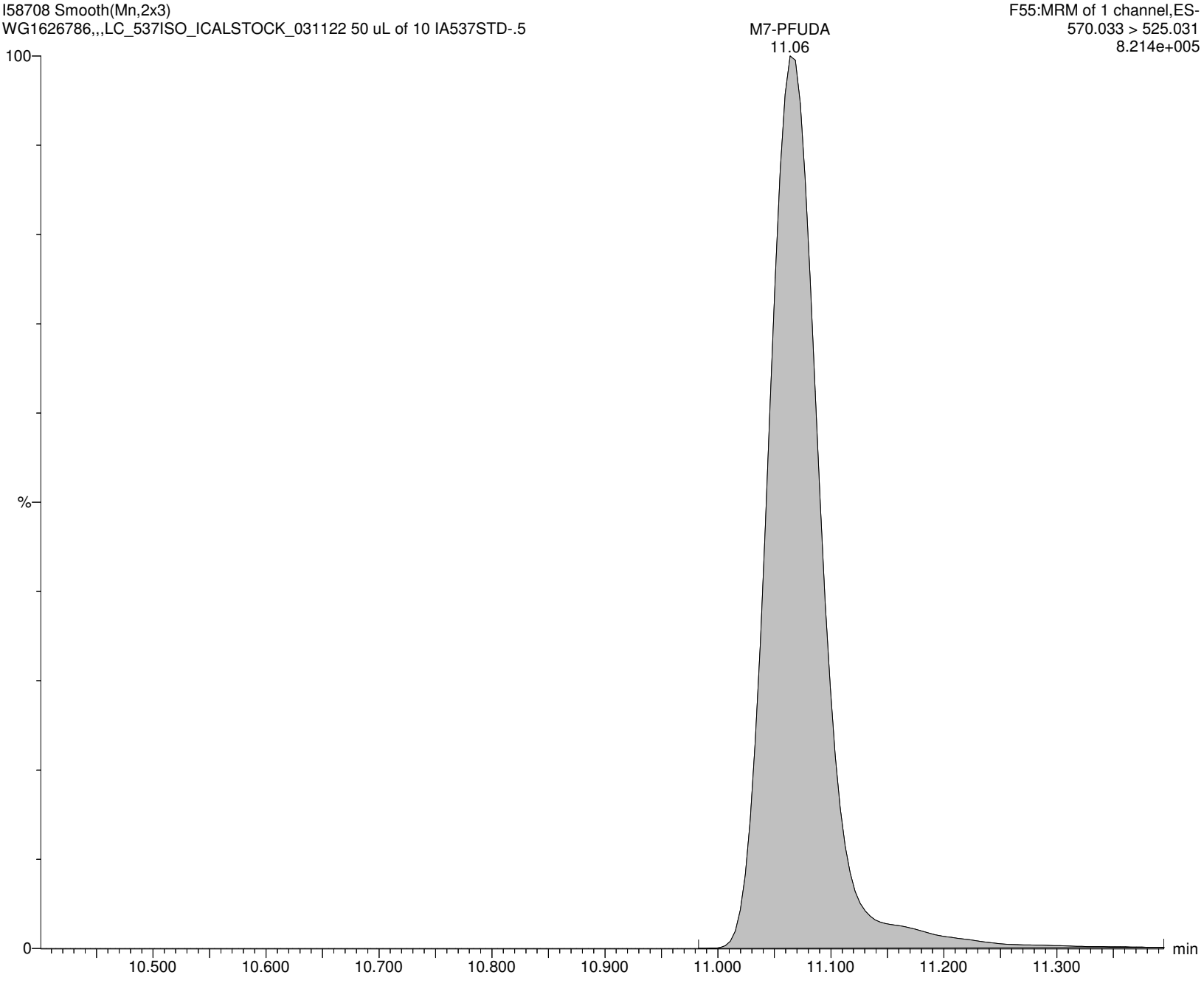


all concentration units in (ng/mL)

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M7-PFUDA

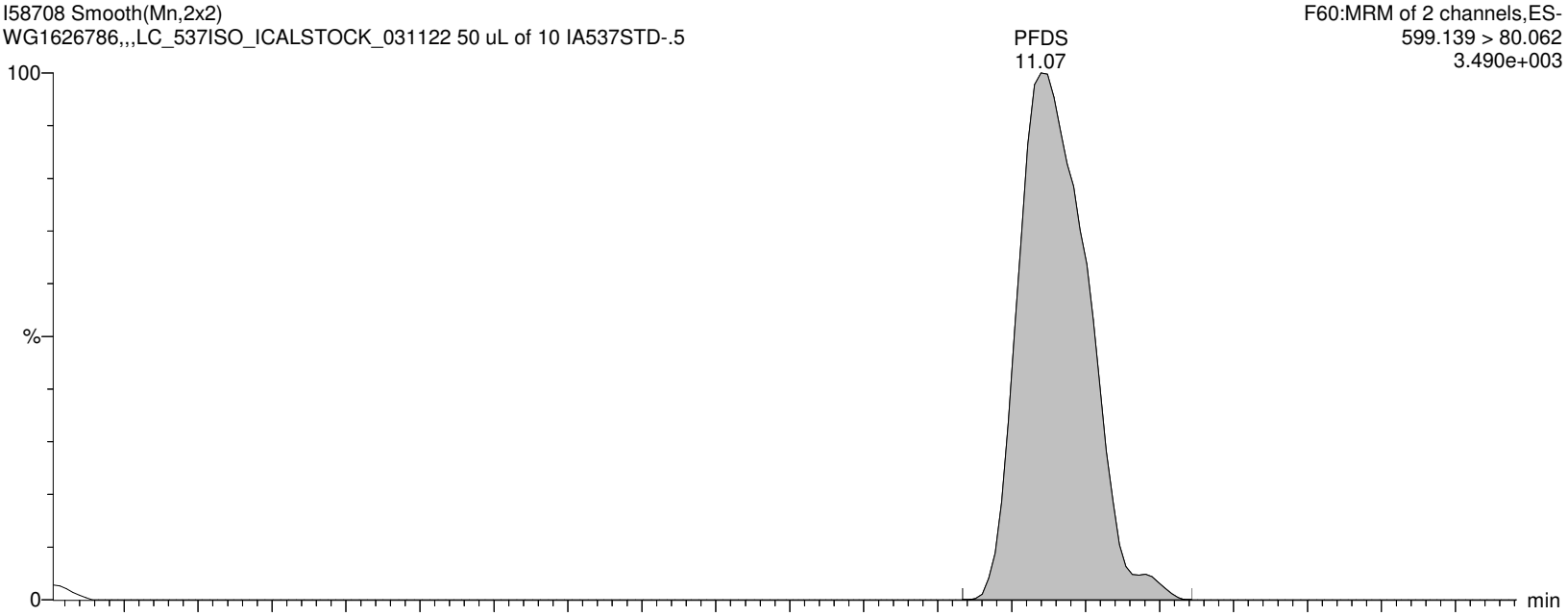


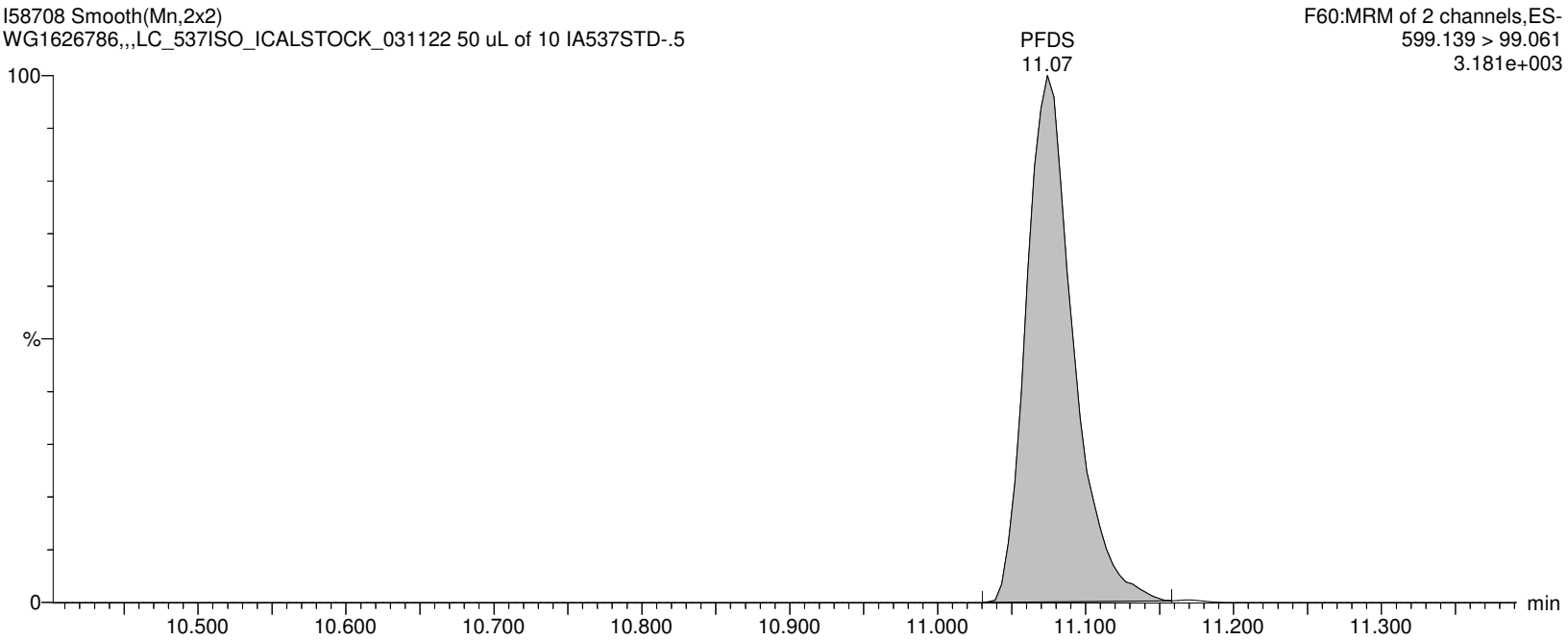
all concentration units in (ng/mL)

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PFDS



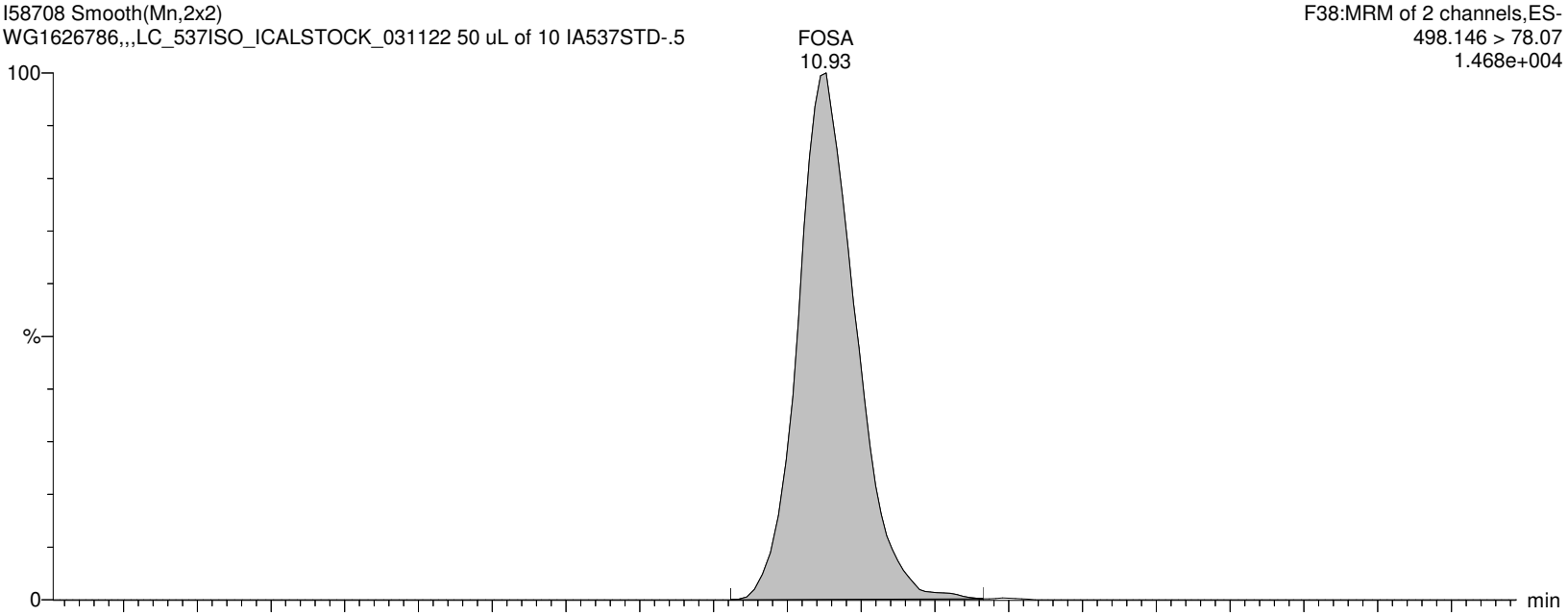


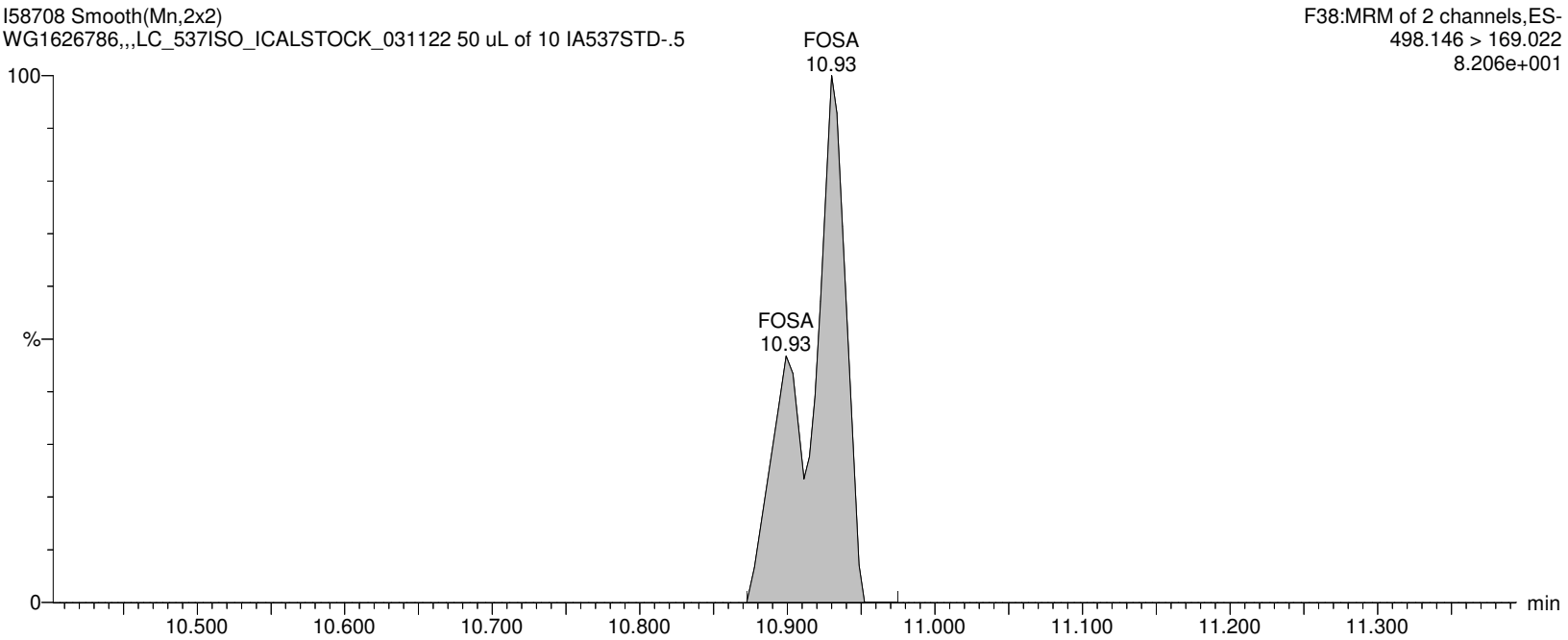
all concentration units in (ng/mL)

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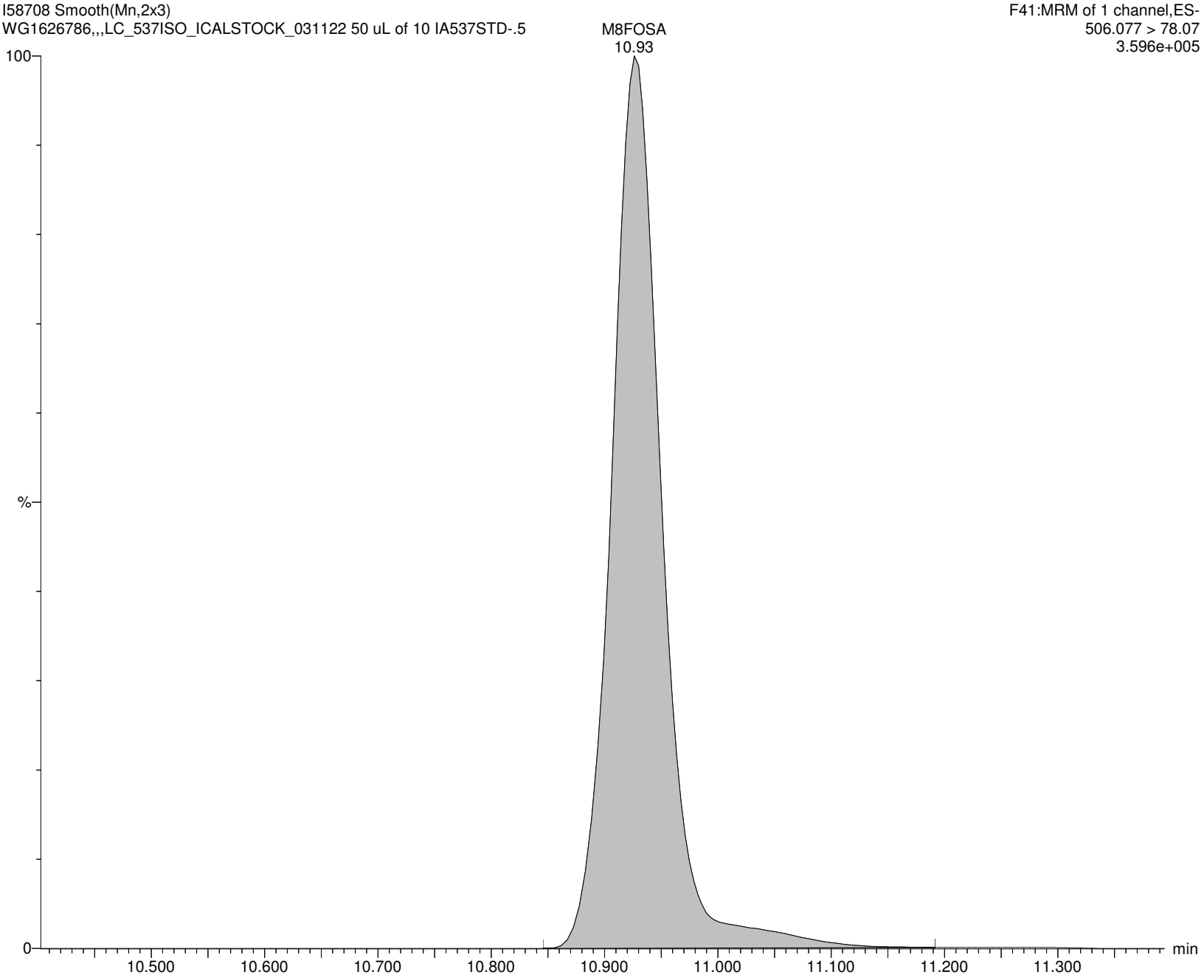


all concentration units in (ng/mL)

Alpha Analytical Inc.
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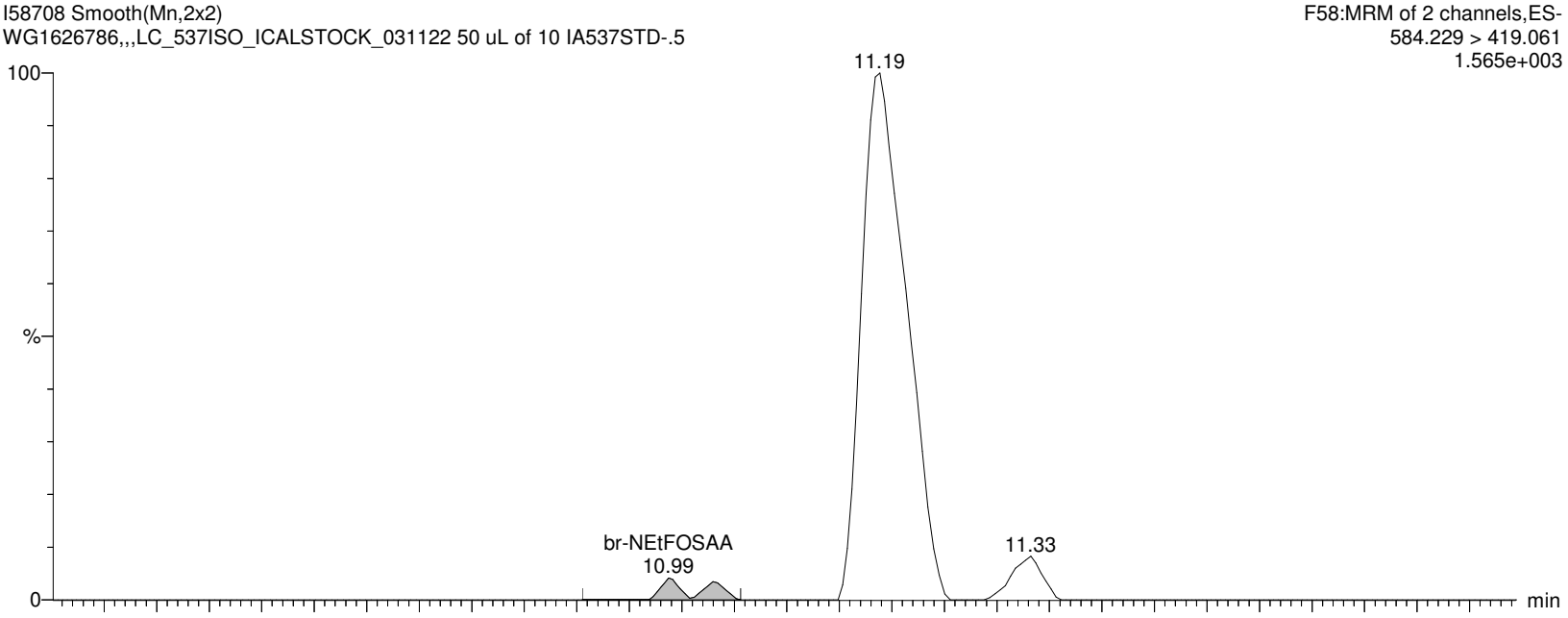


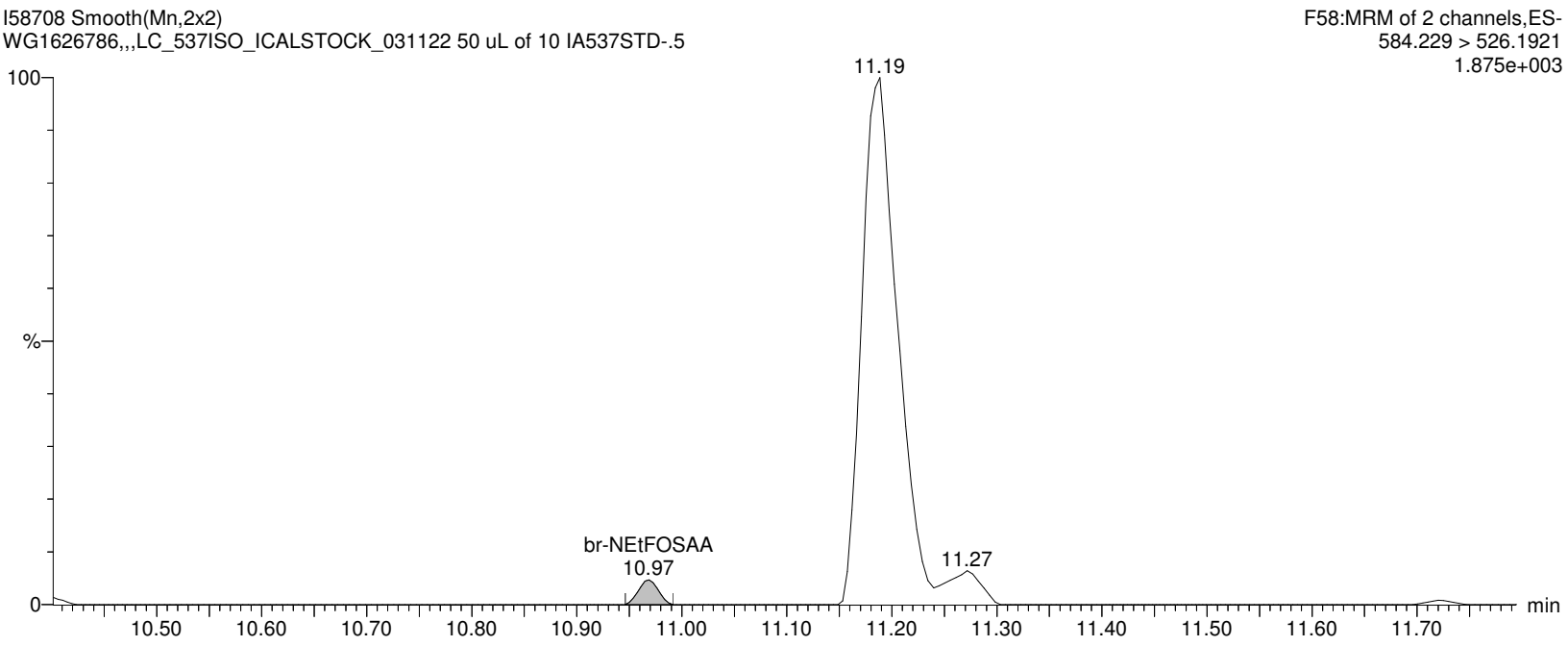
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-NEtFOSAA



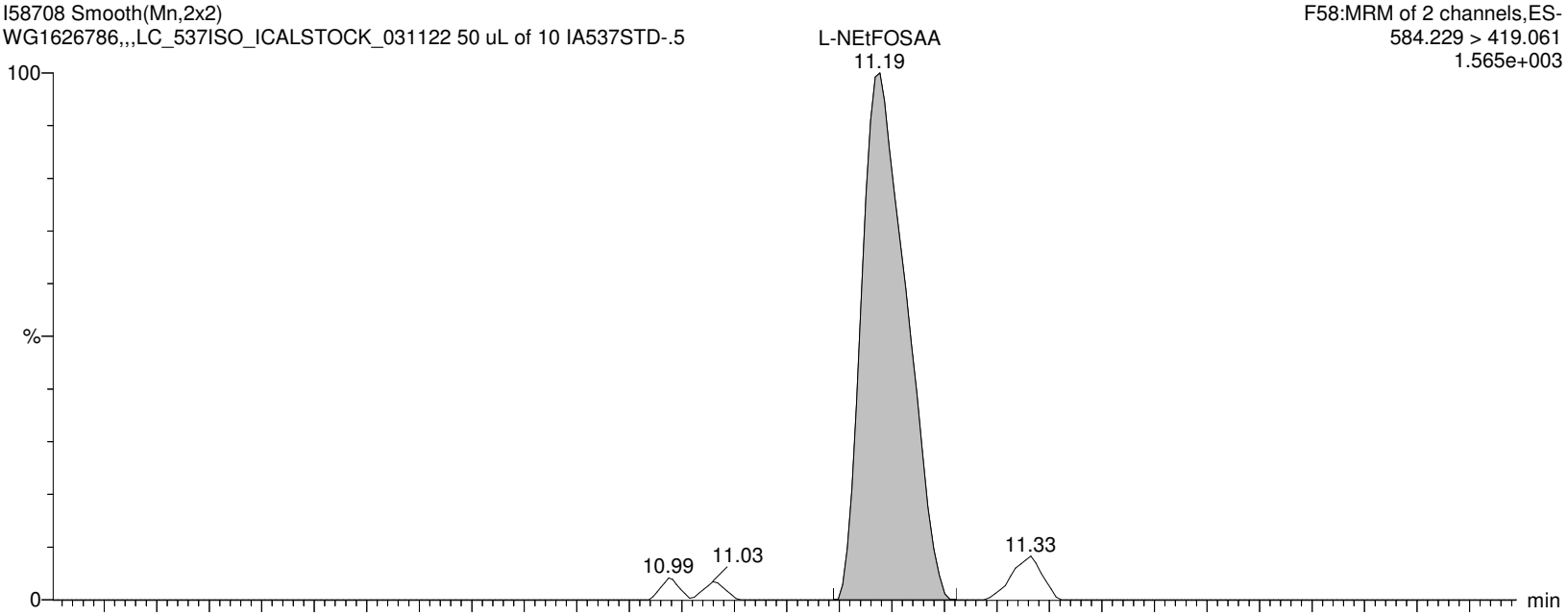


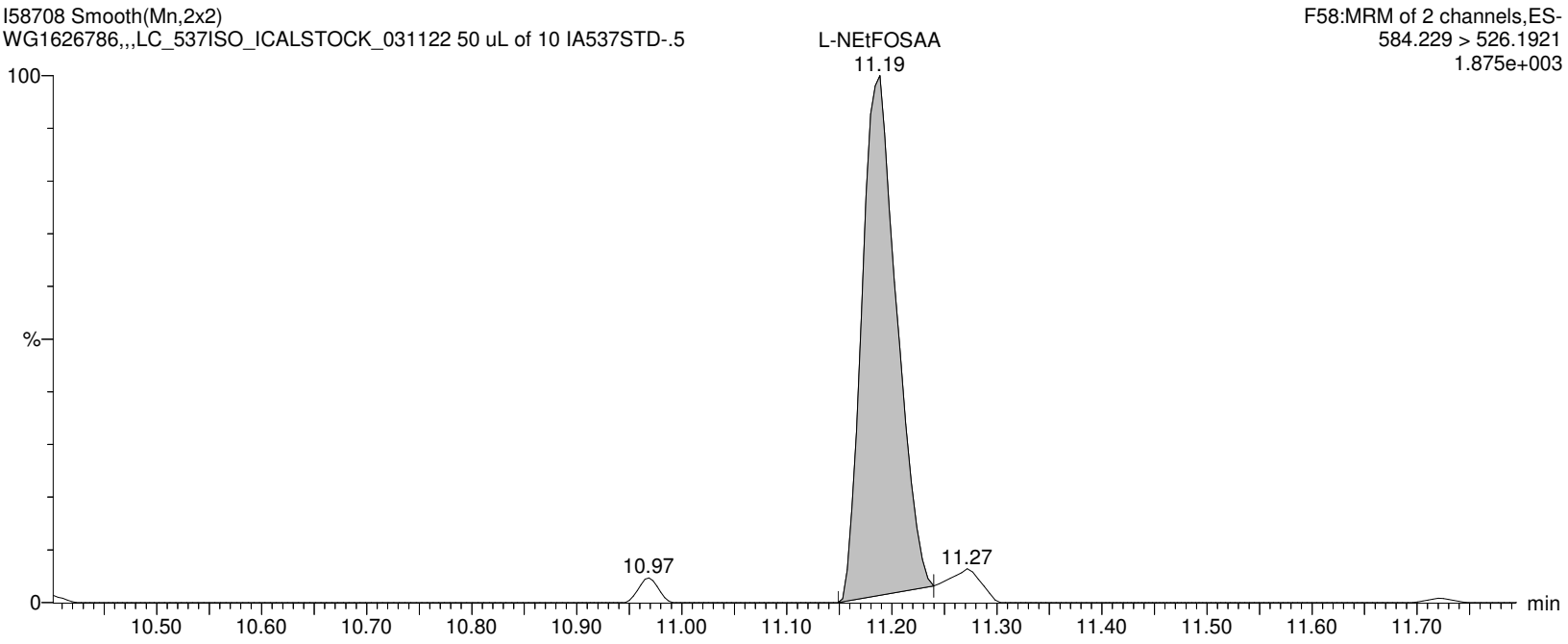
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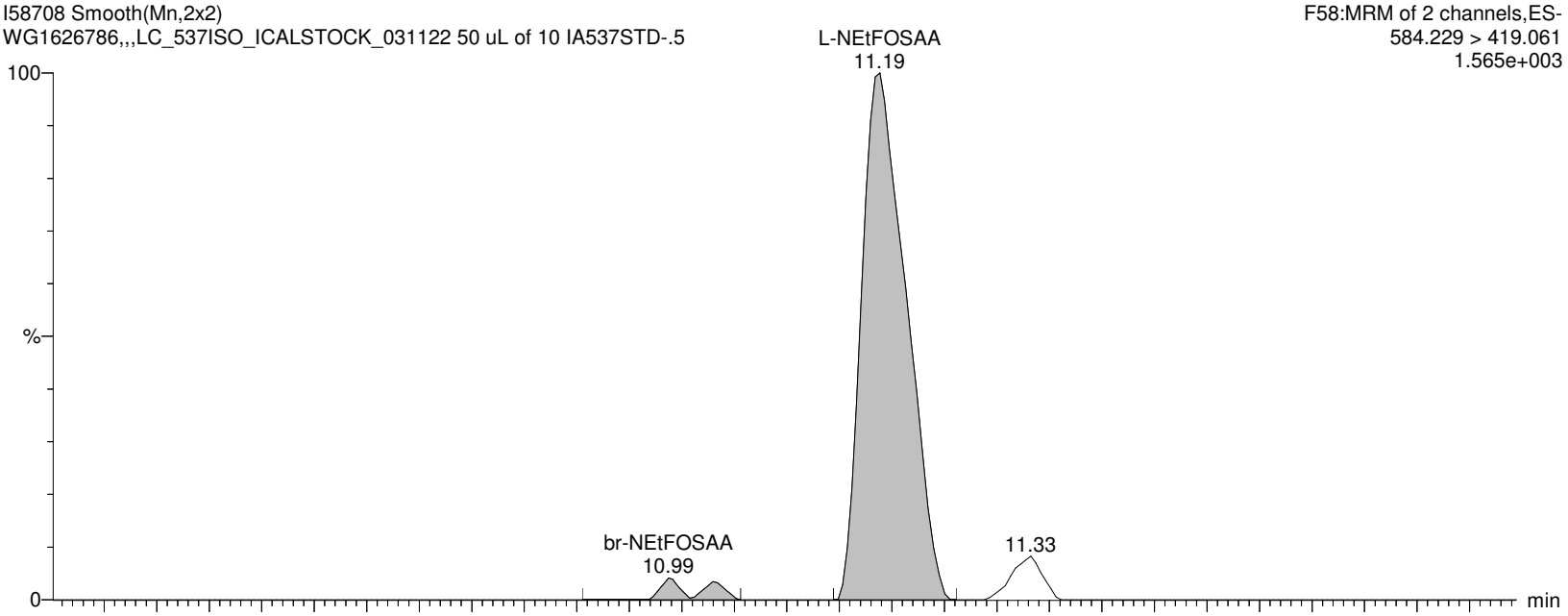


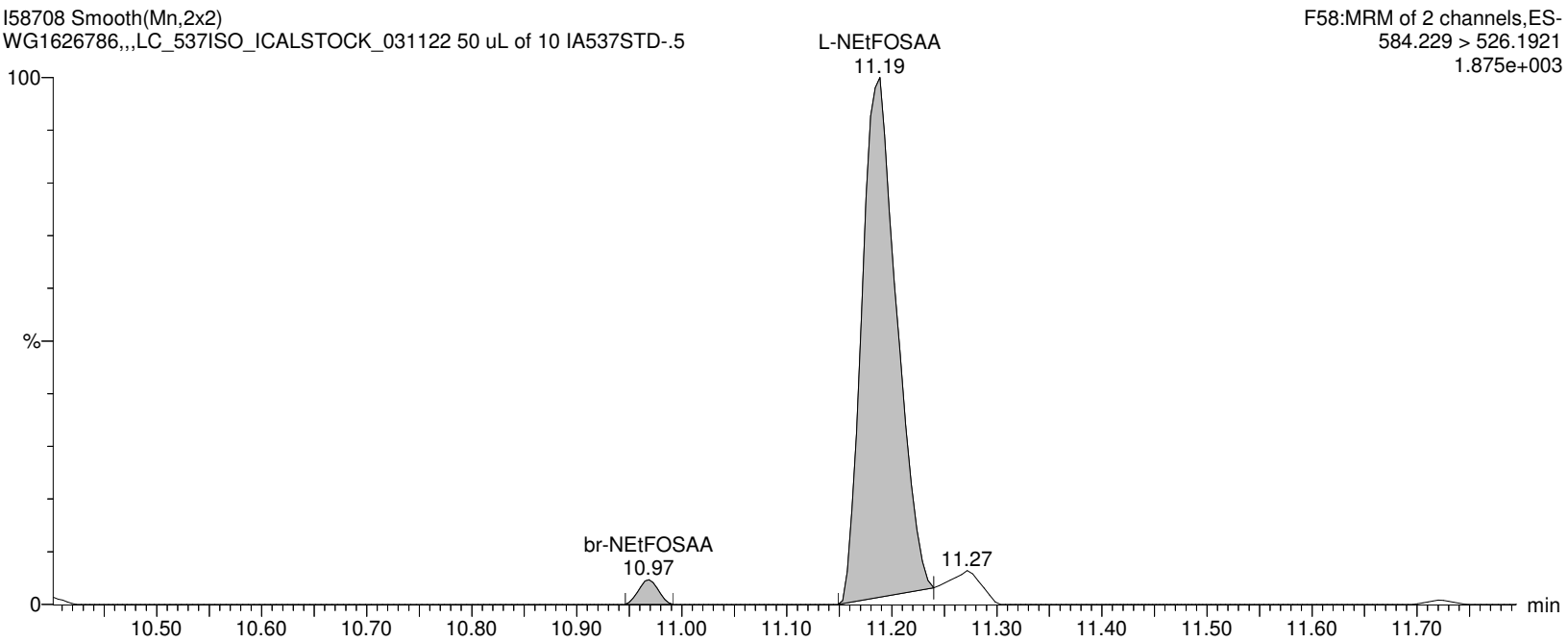
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NEtFOSAA



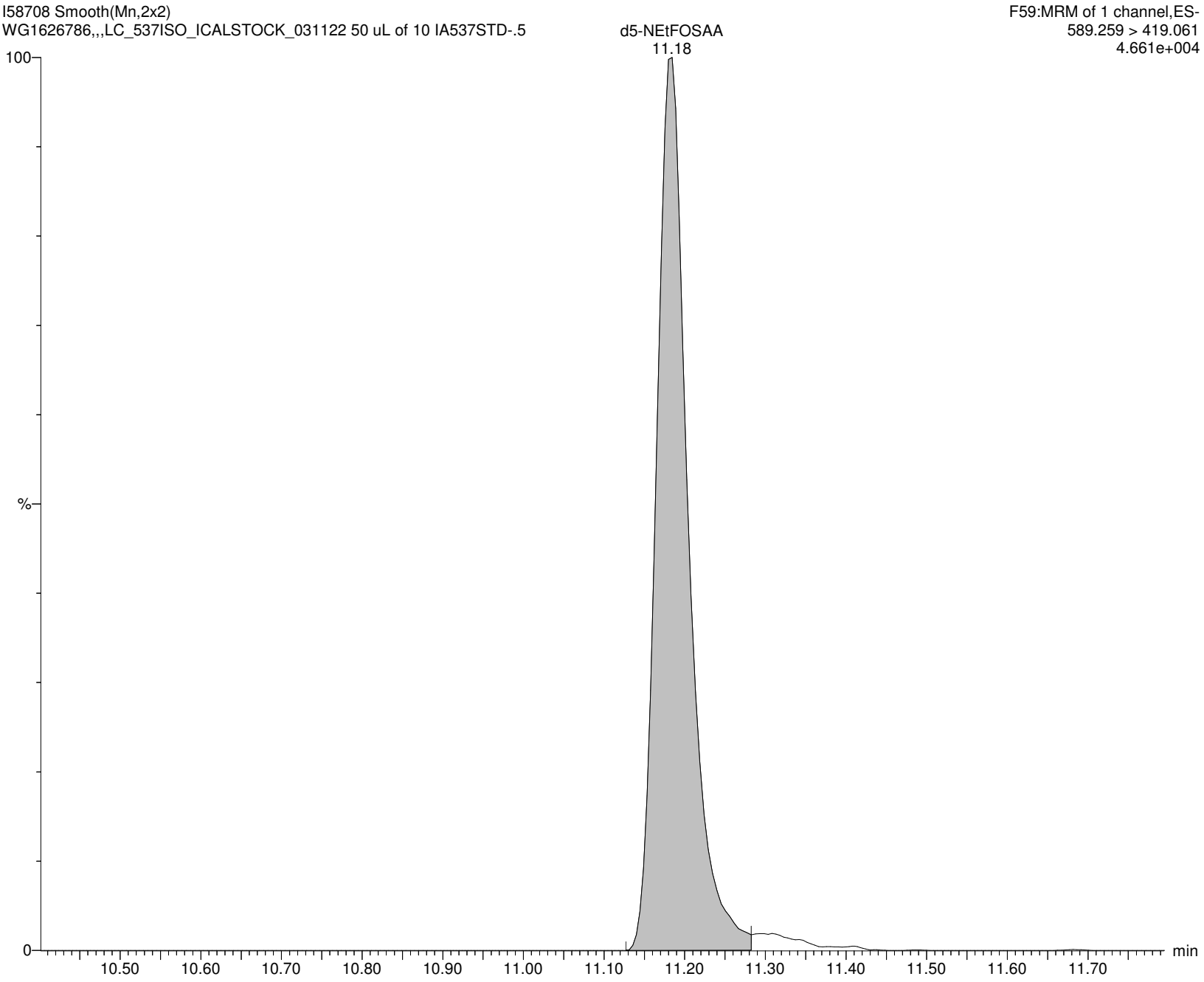


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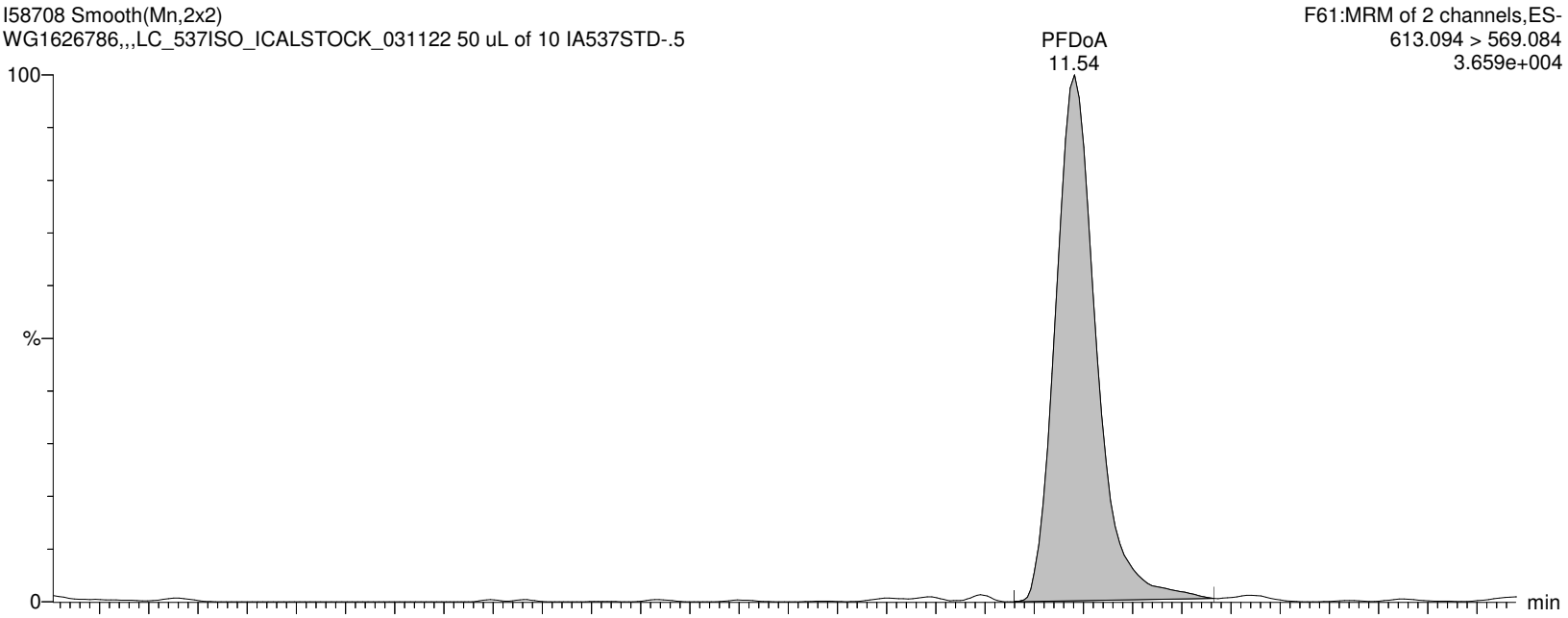


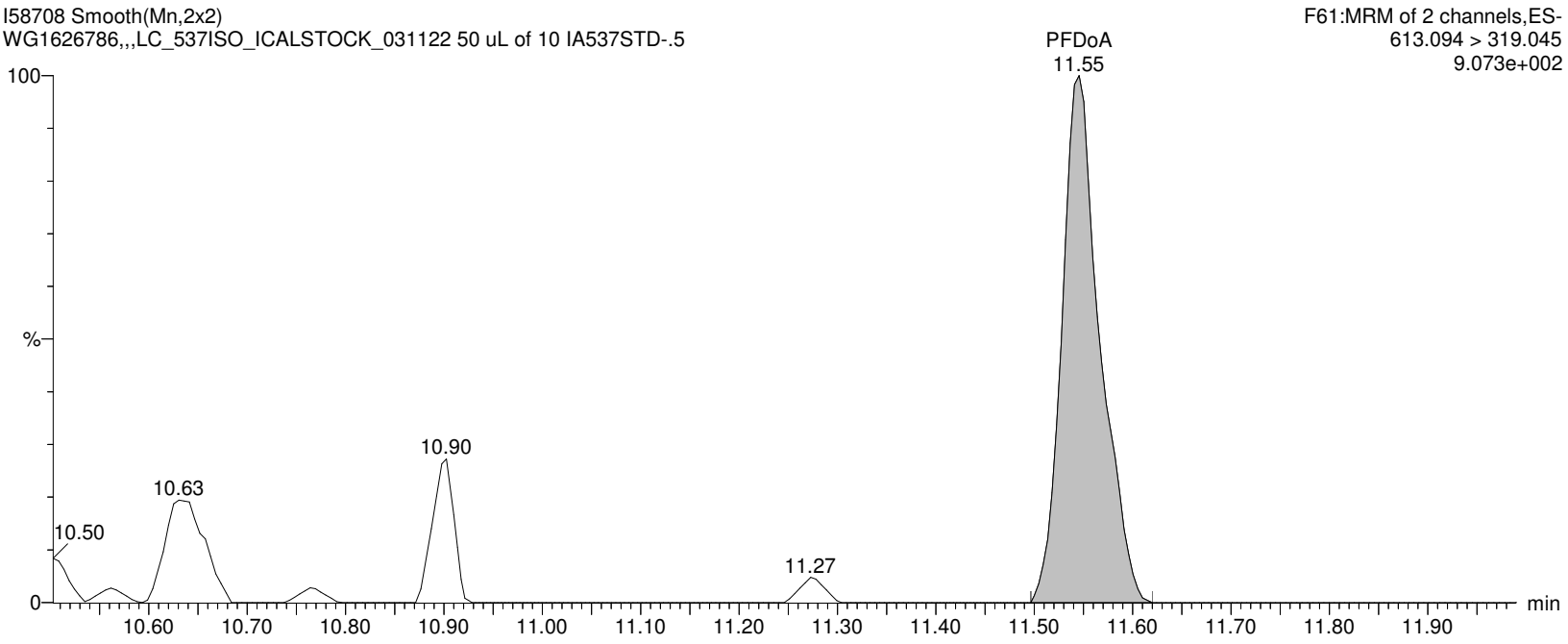
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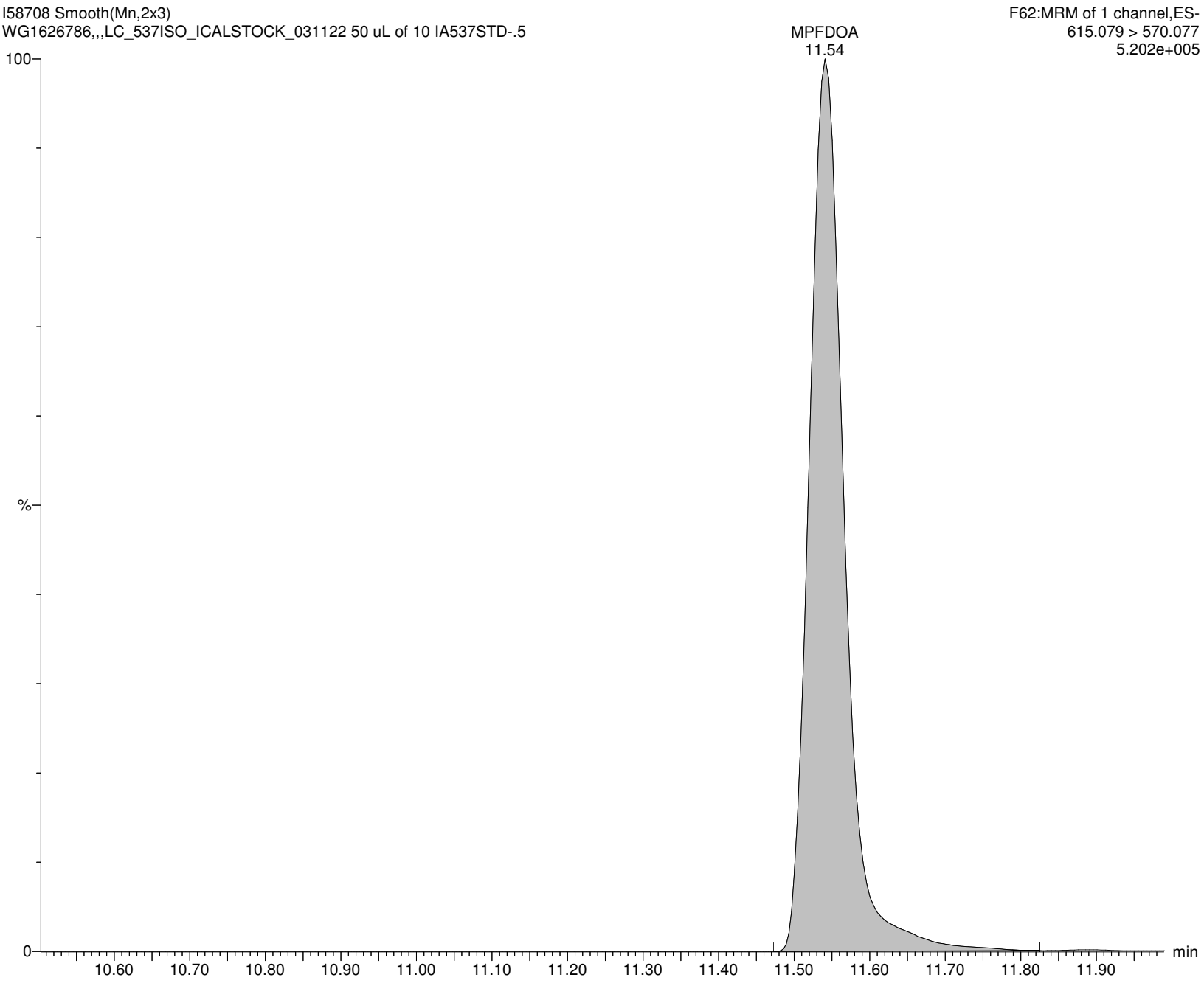


all concentration units in (ng/mL)

Alpha Analytical Inc.
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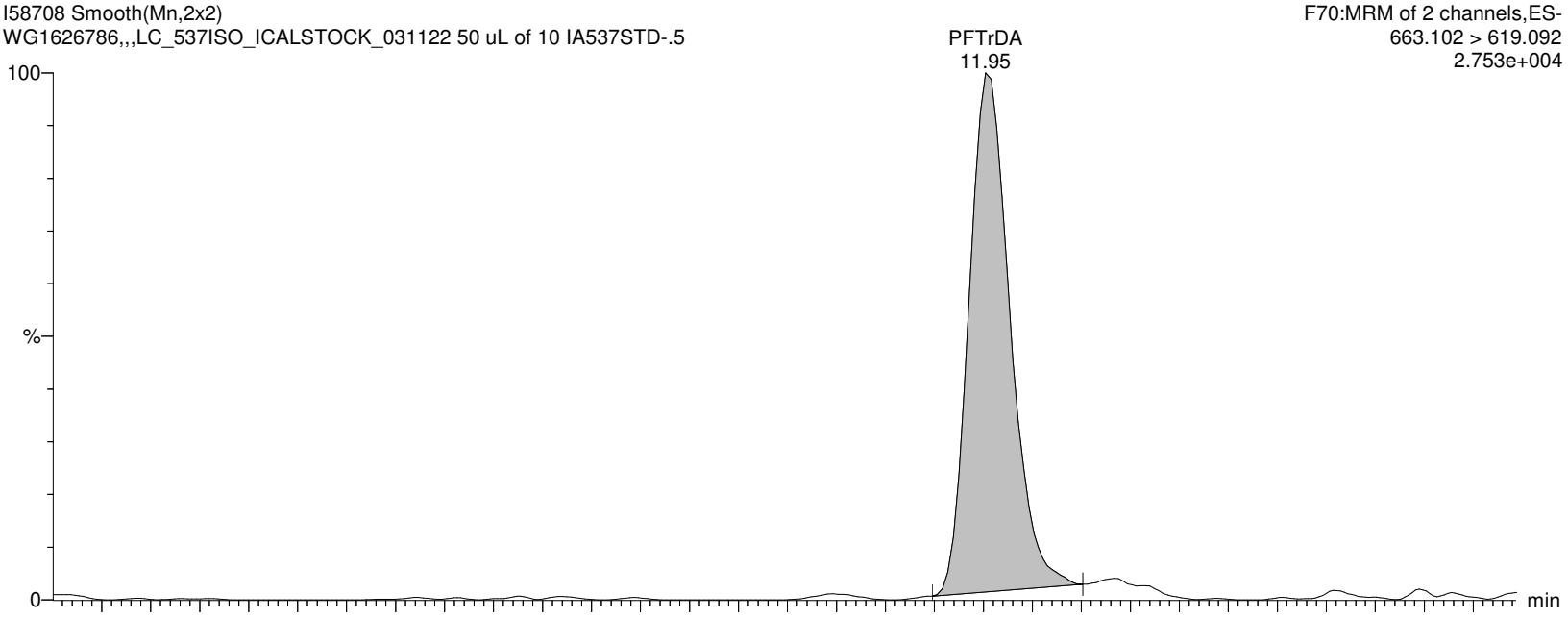


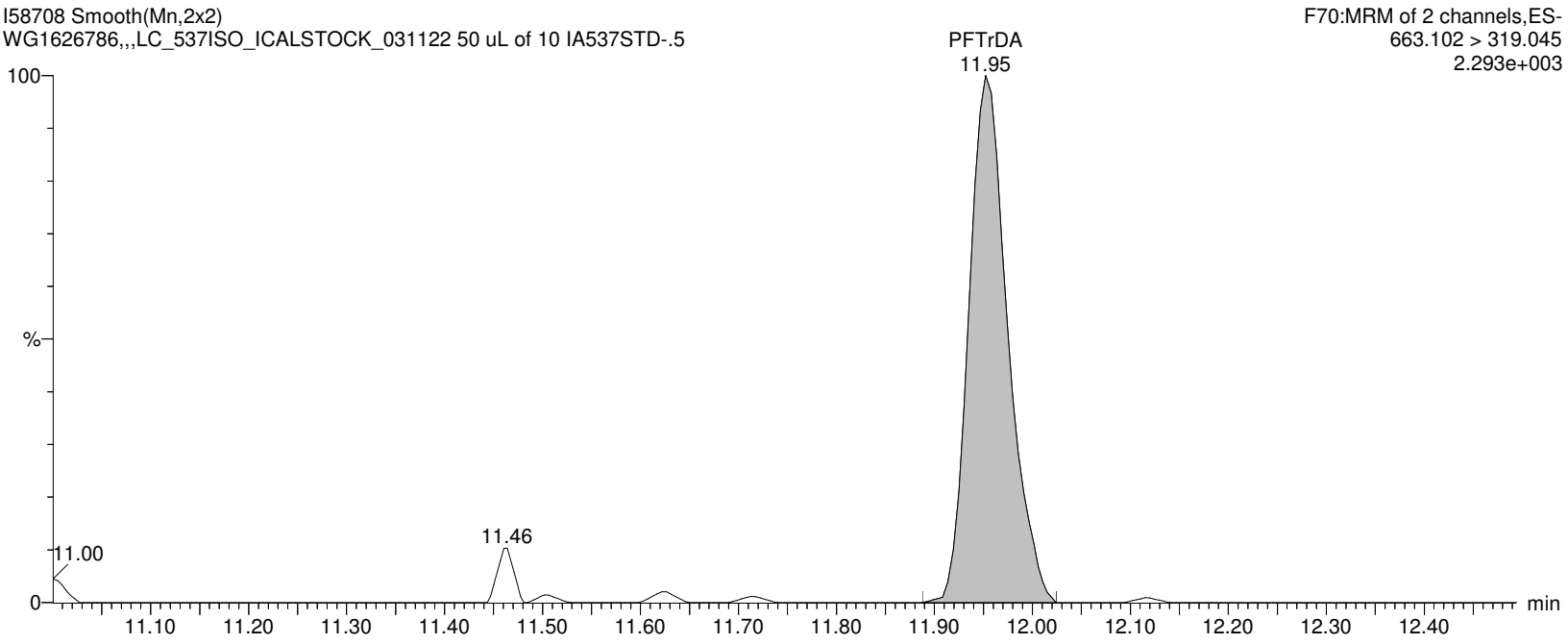
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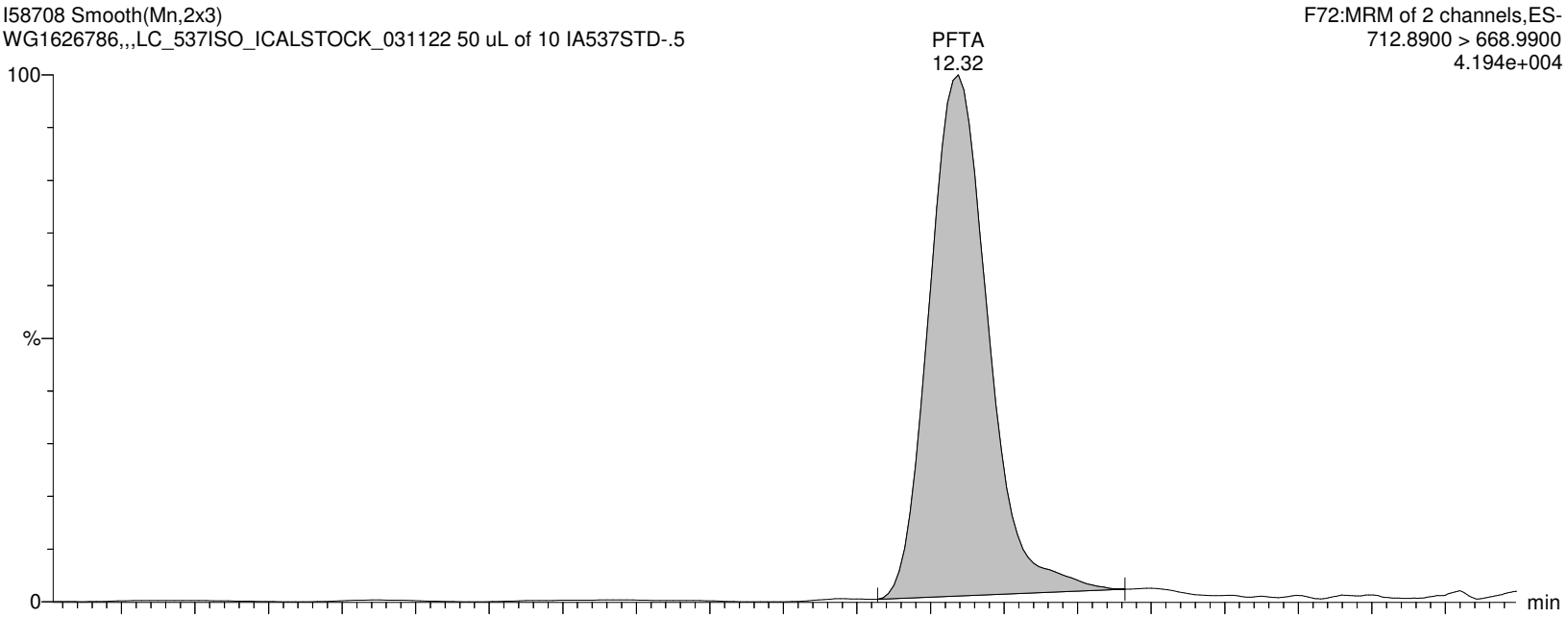


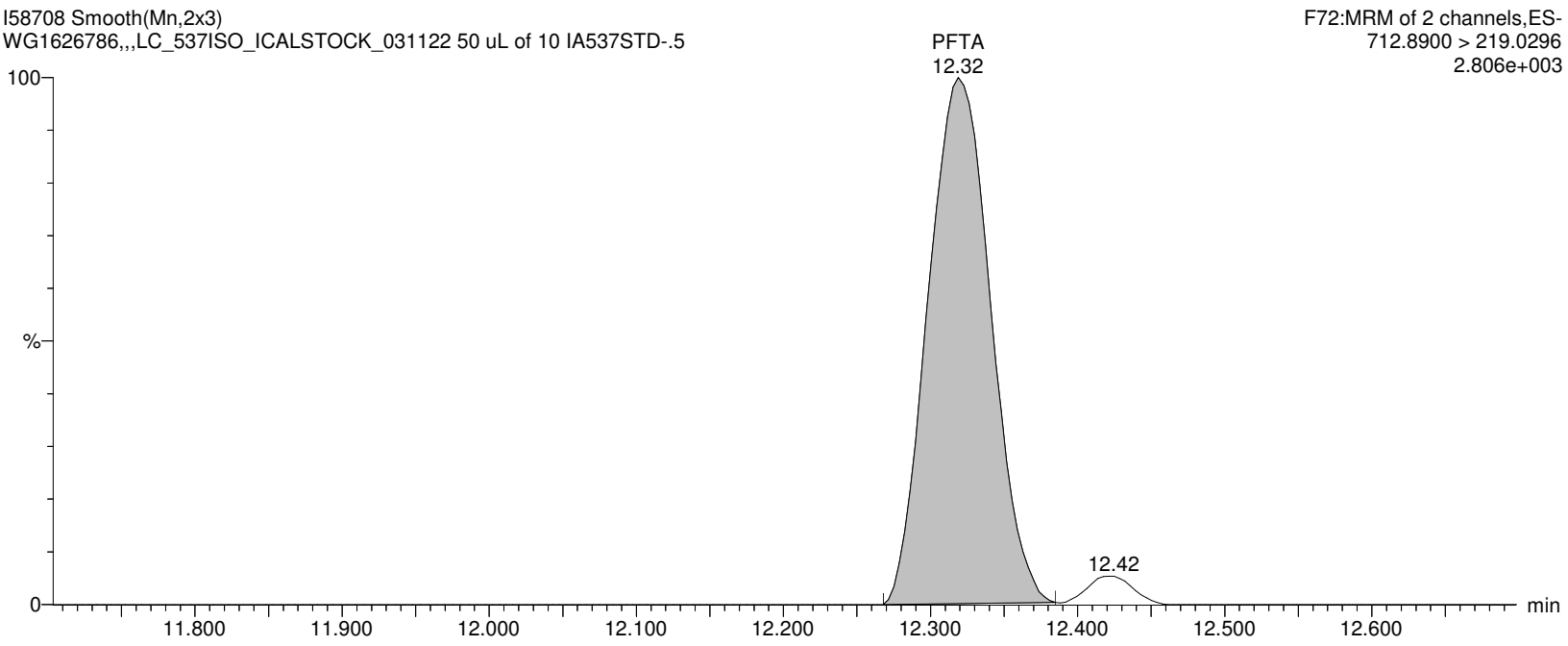
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Alpha Analytical Inc.
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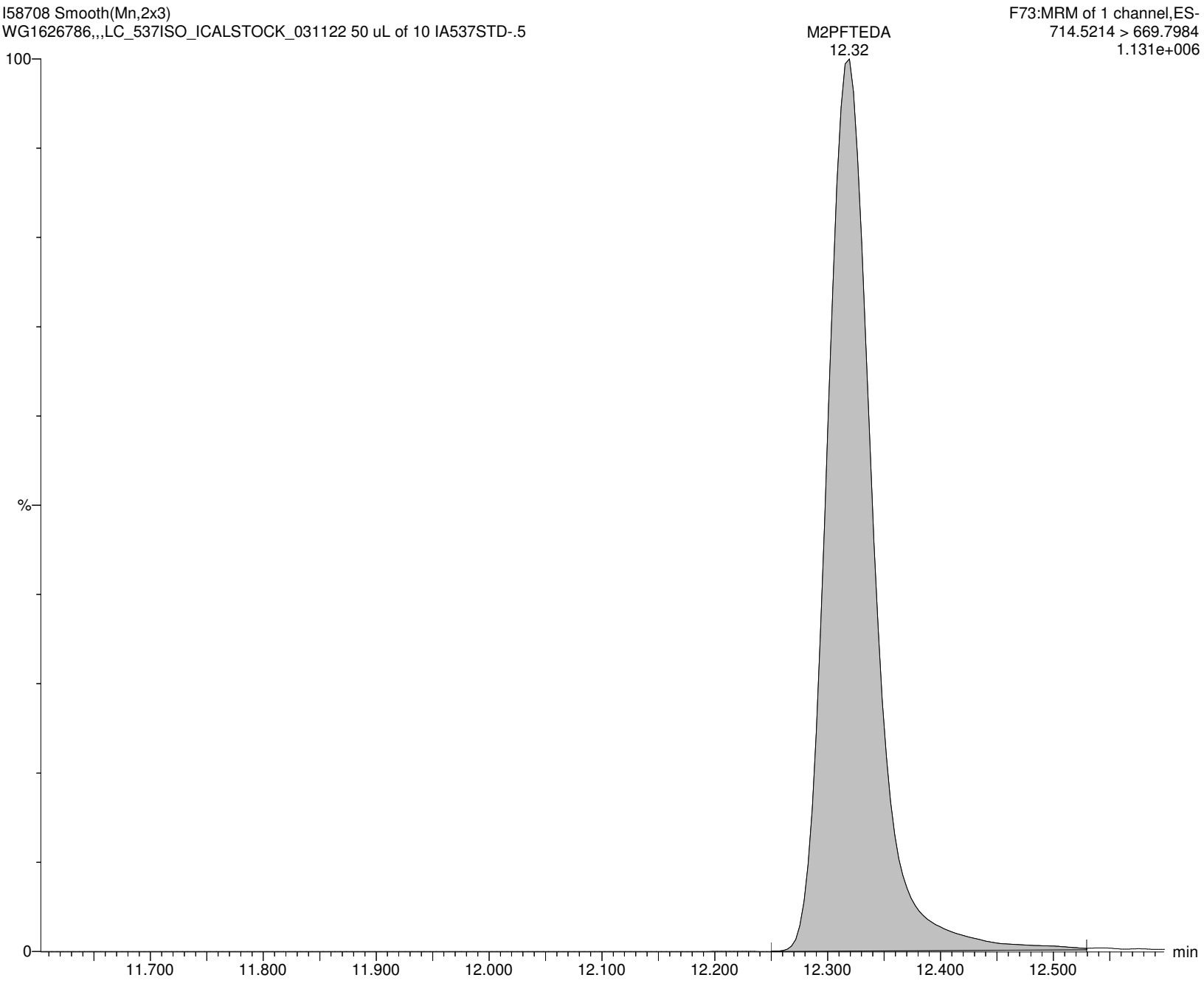


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 13-Apr-2022
Time: 19:32:11
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Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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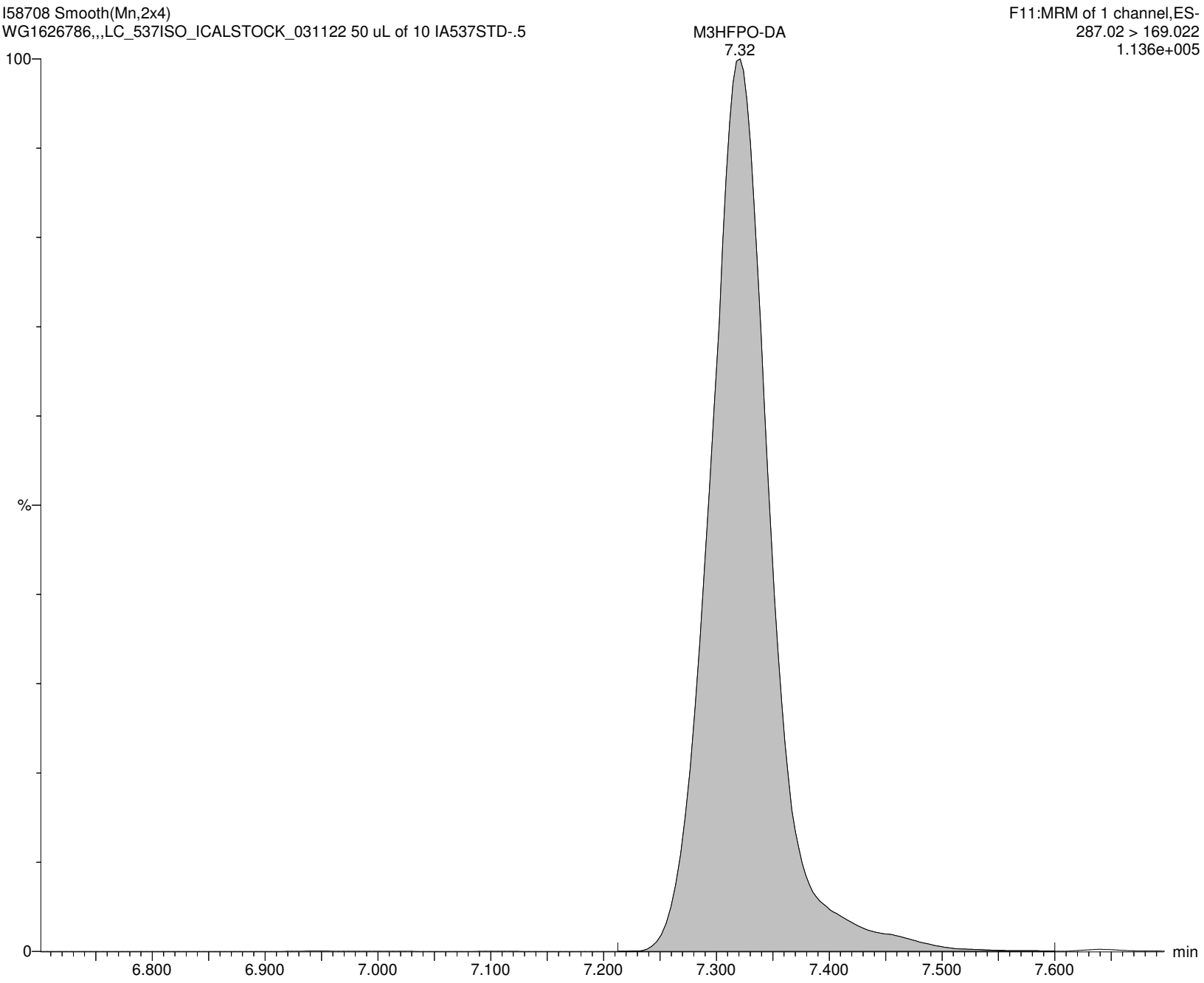


all concentration units in (ng/mL)

Alpha Analytical Inc.
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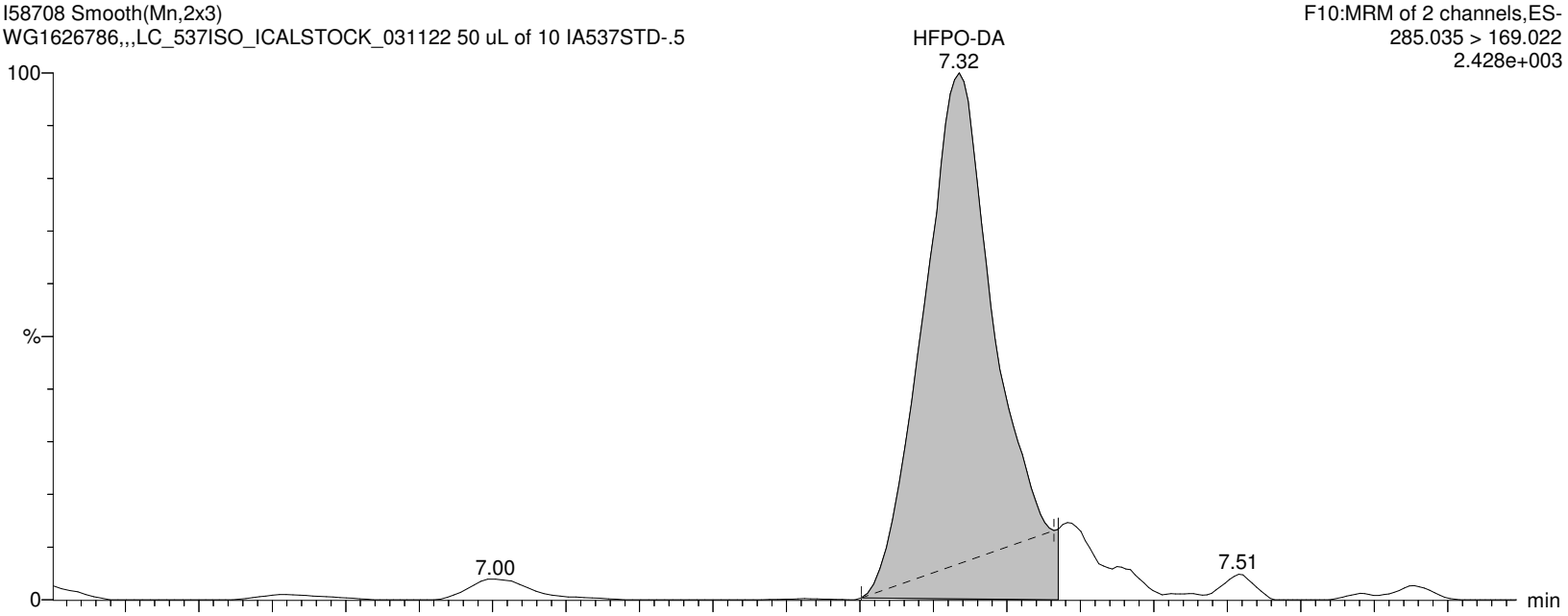


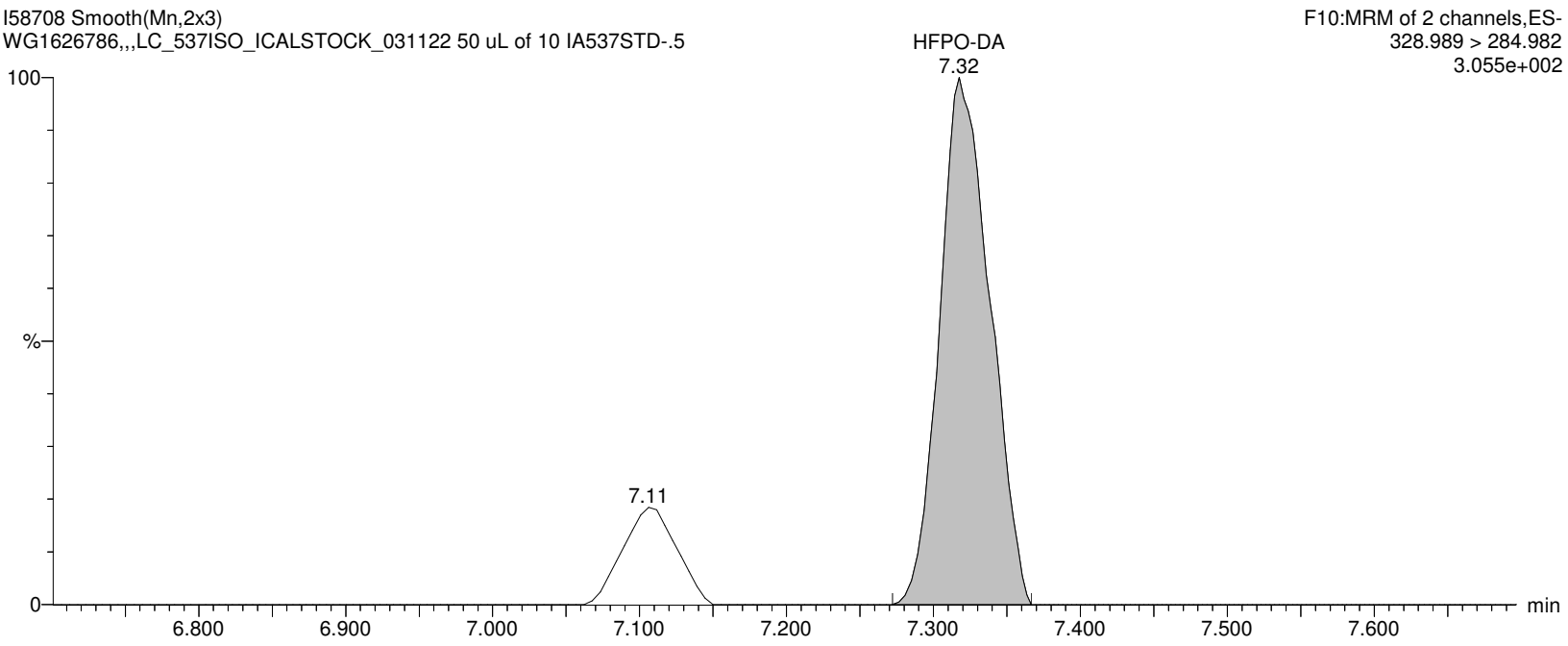
all concentration units in (ng/mL)

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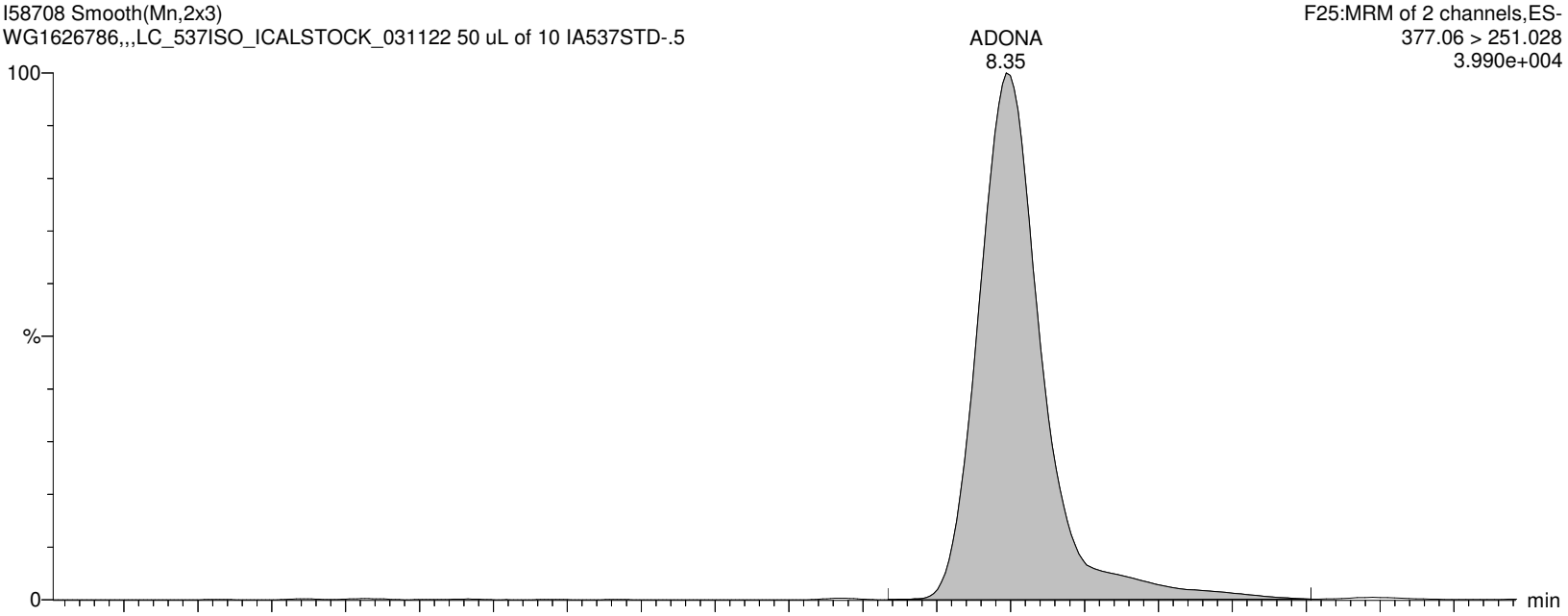


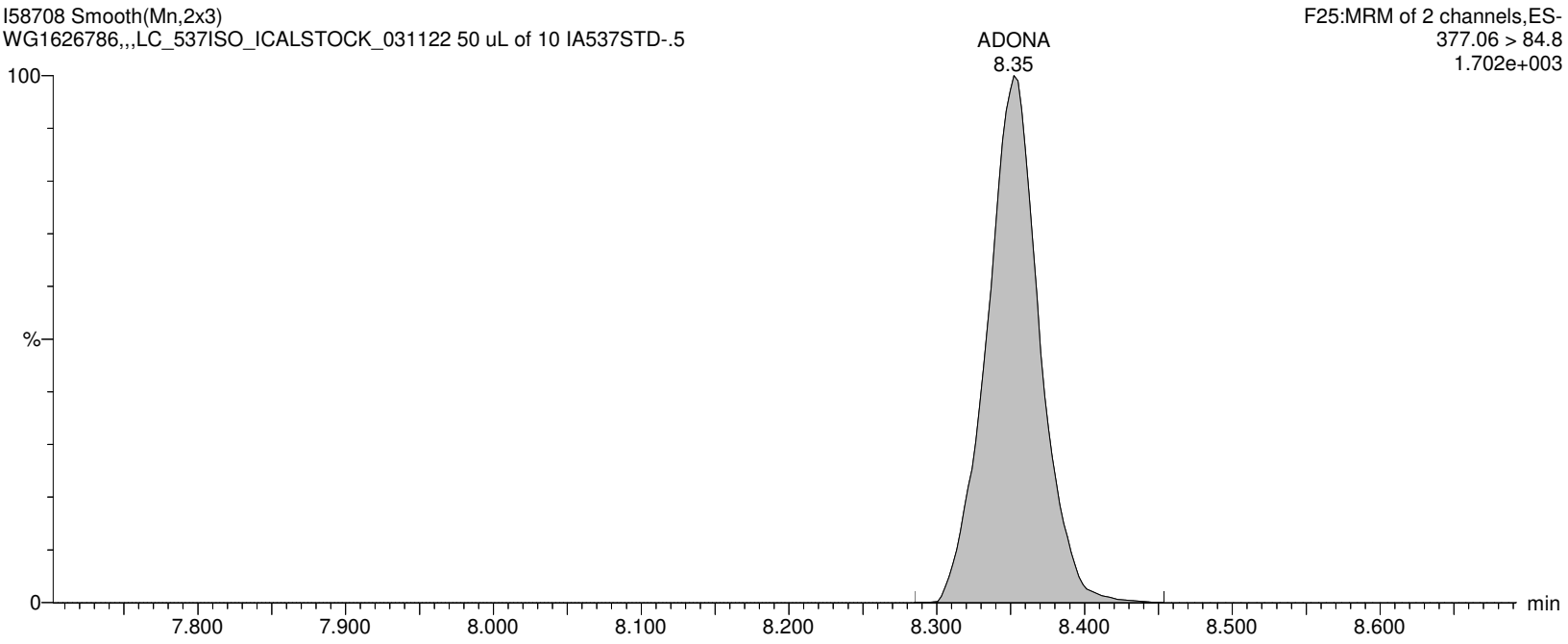
all concentration units in (ng/mL)

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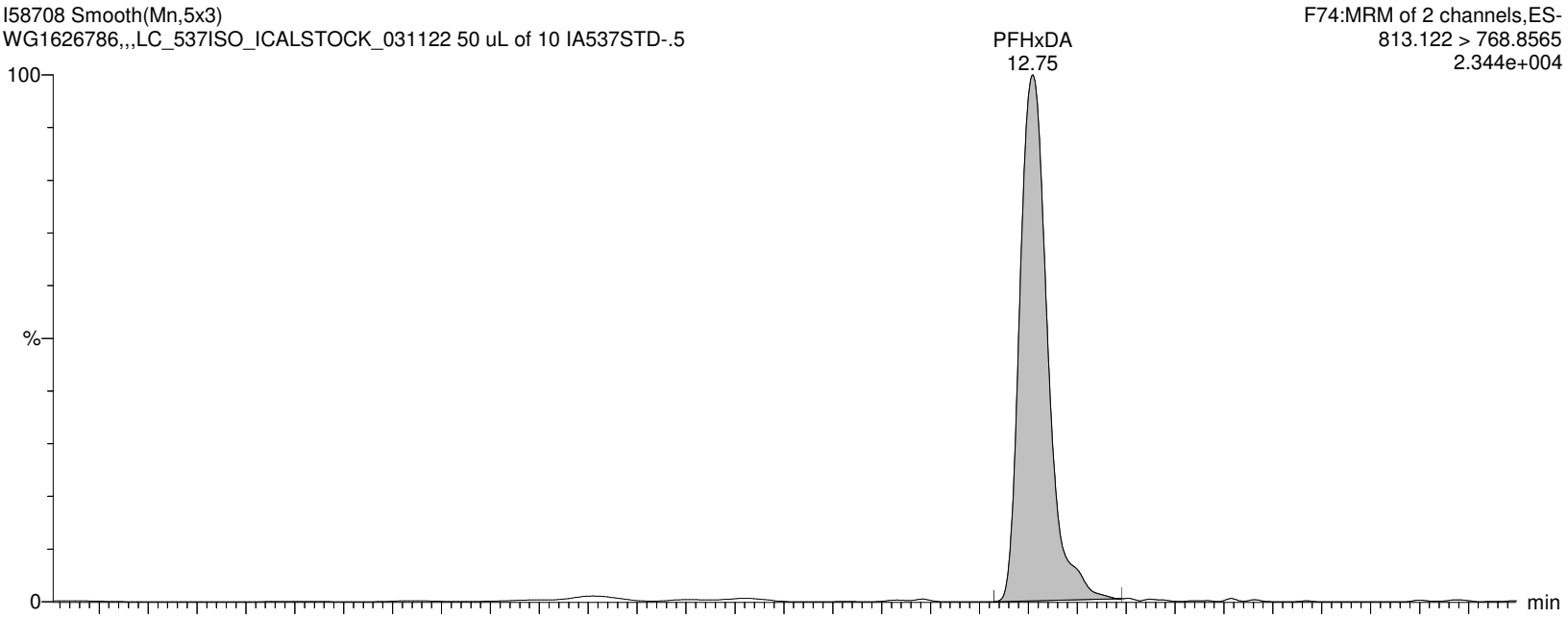


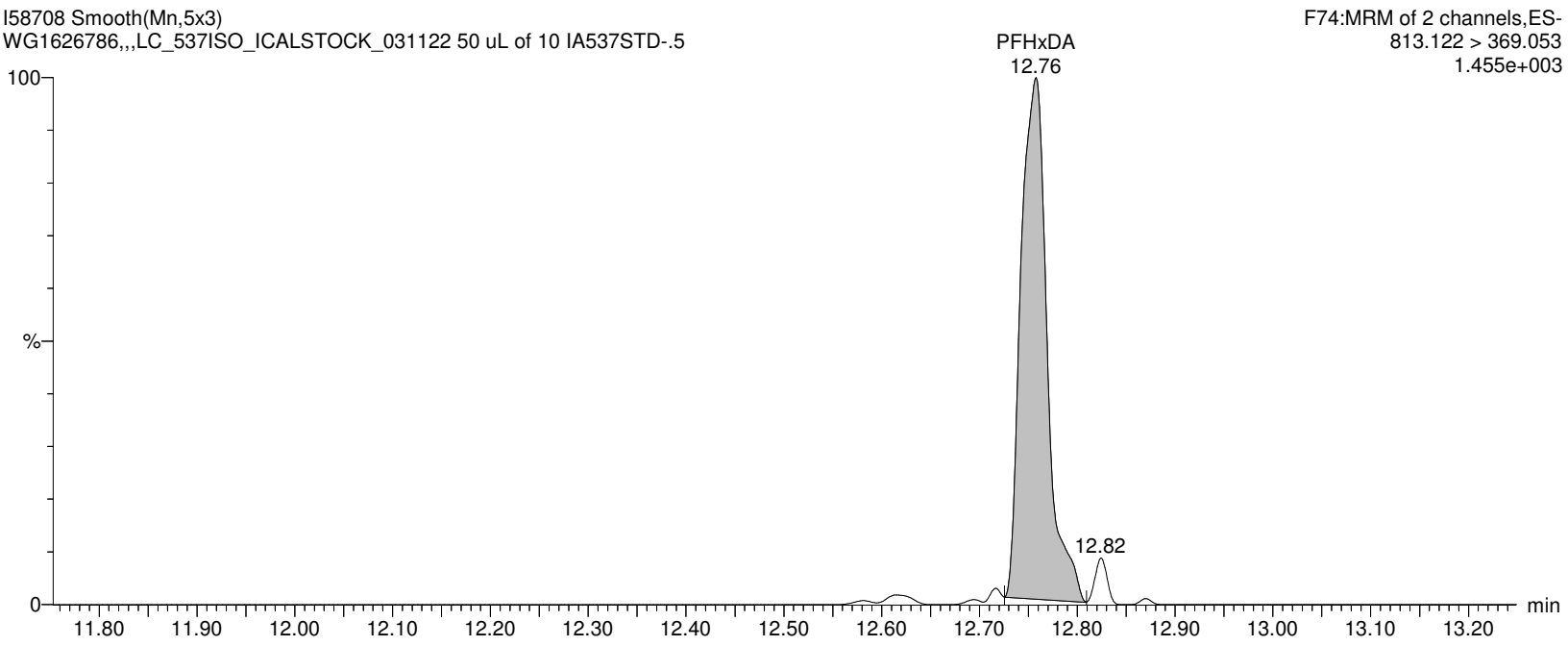
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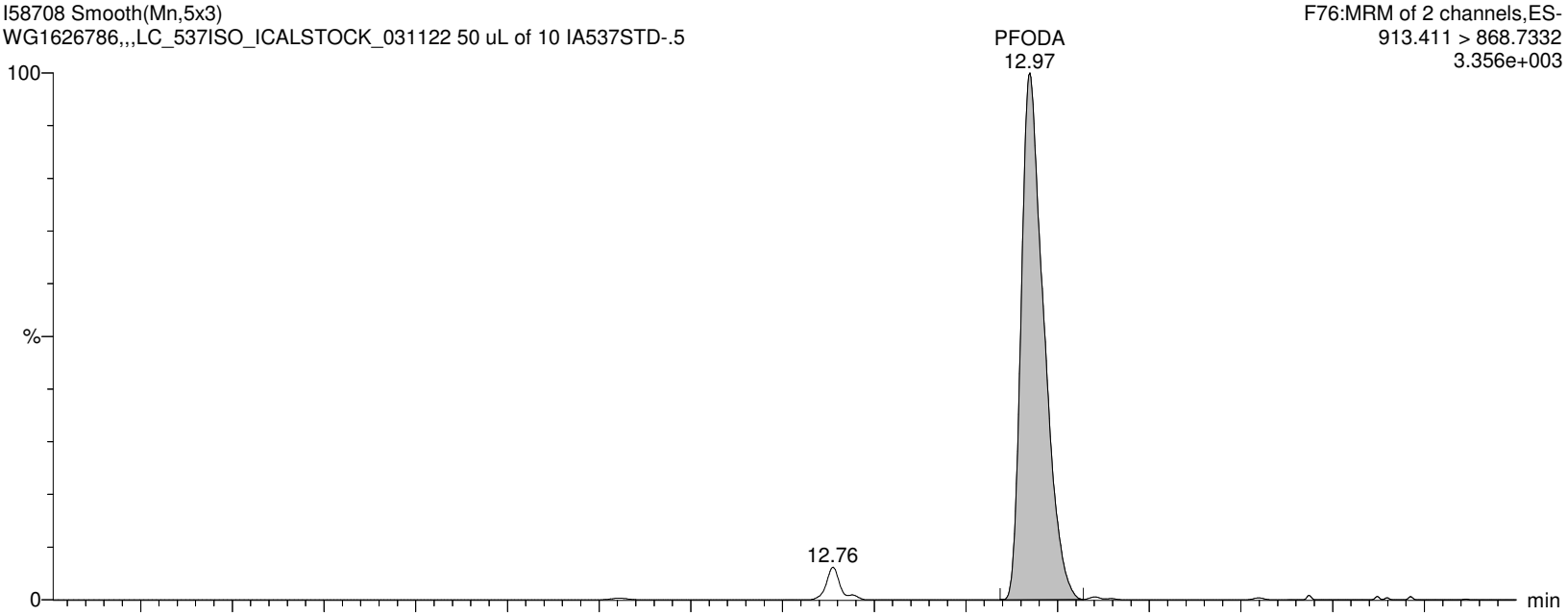


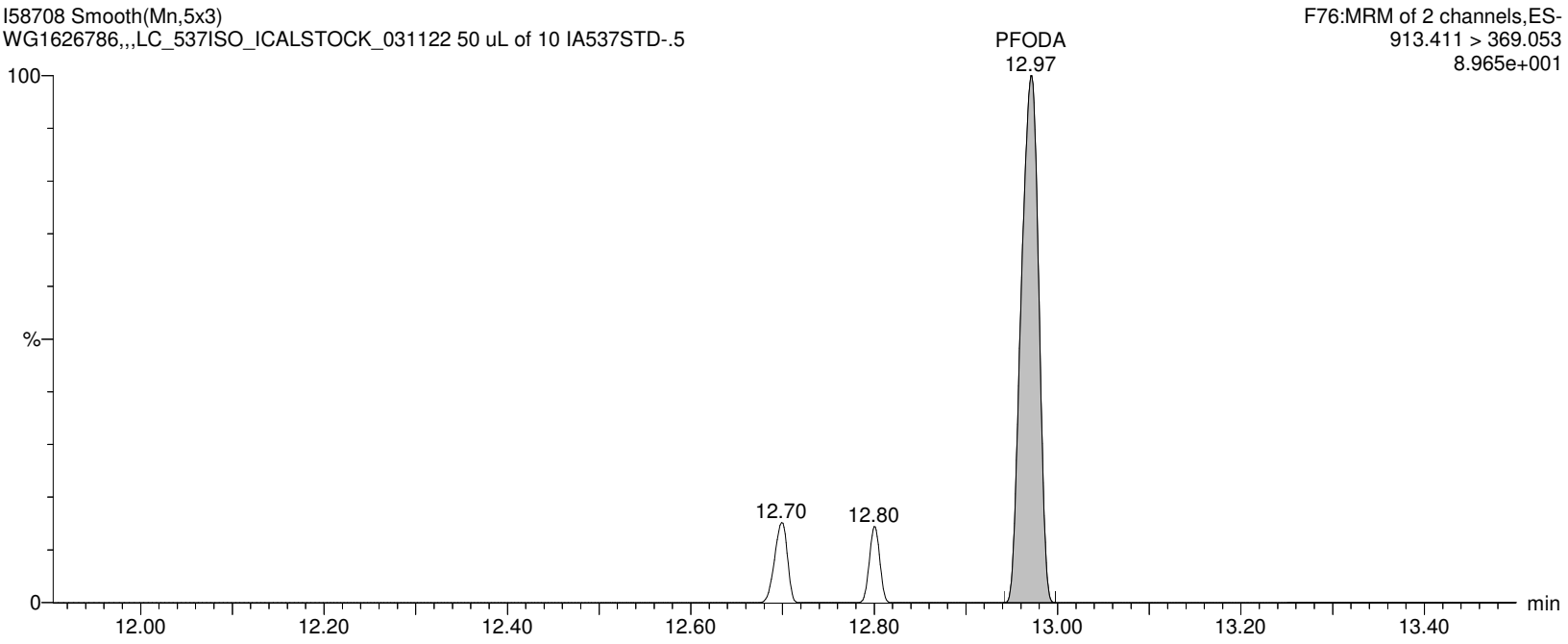
all concentration units in (ng/mL)

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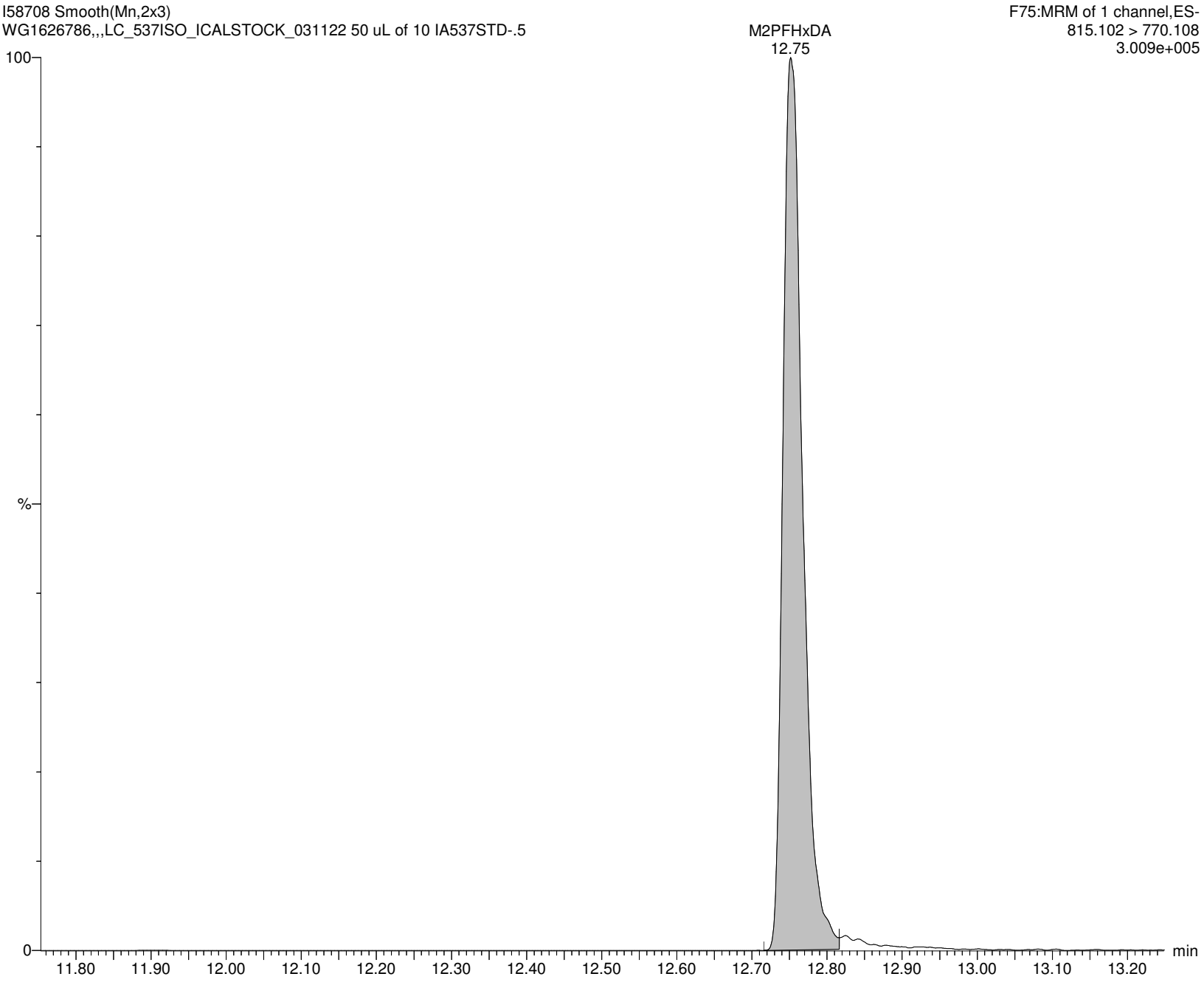


all concentration units in (ng/mL)

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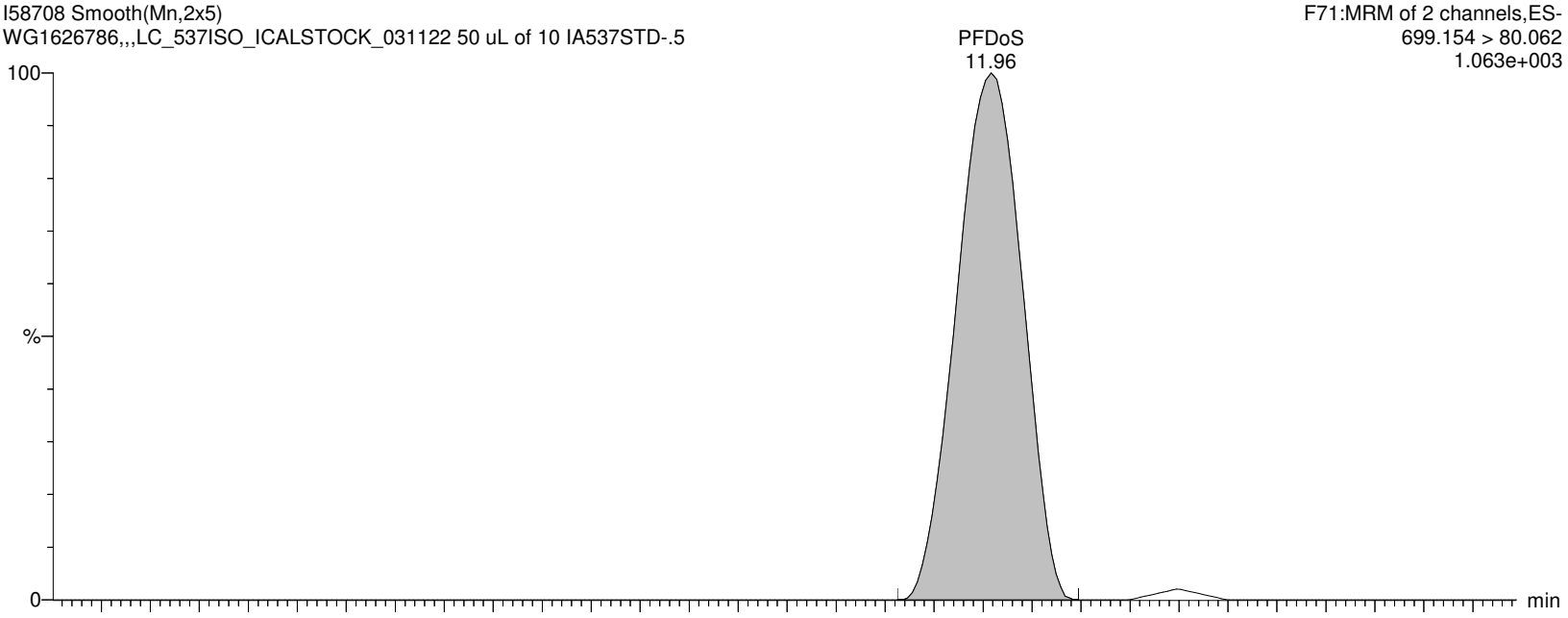


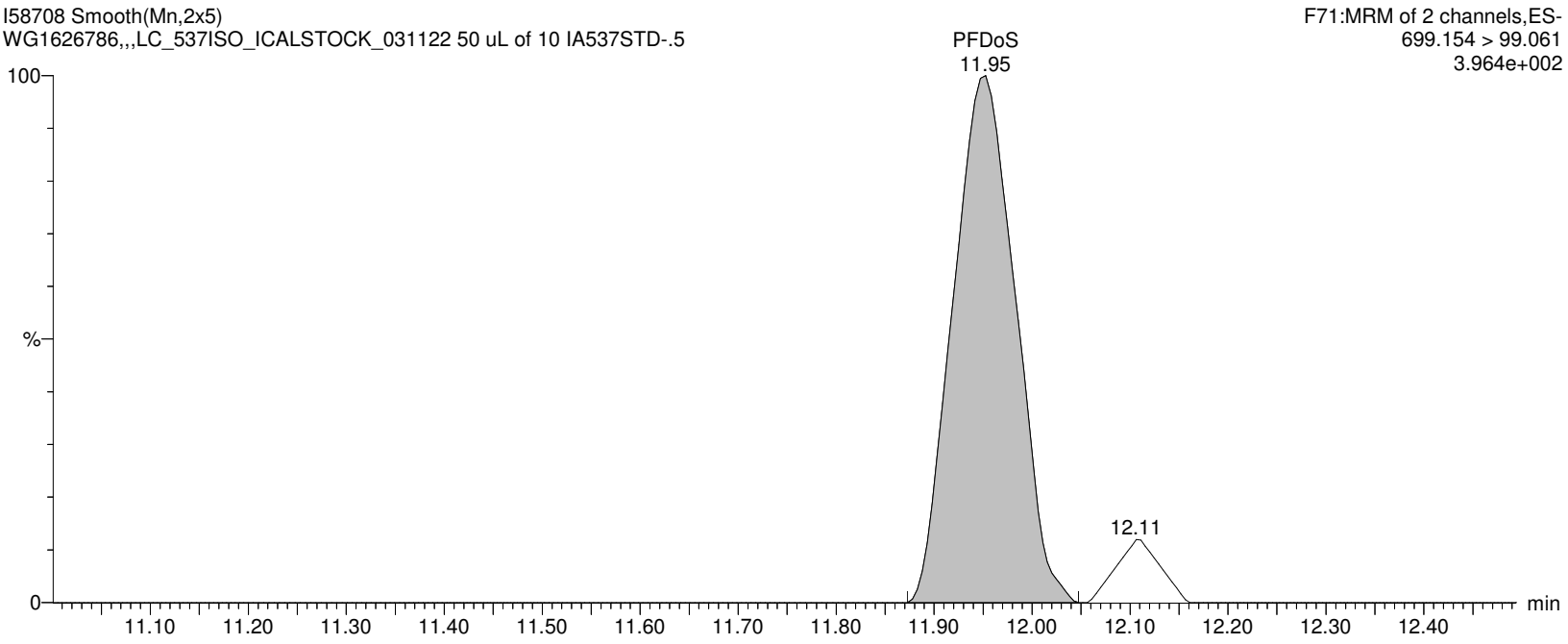
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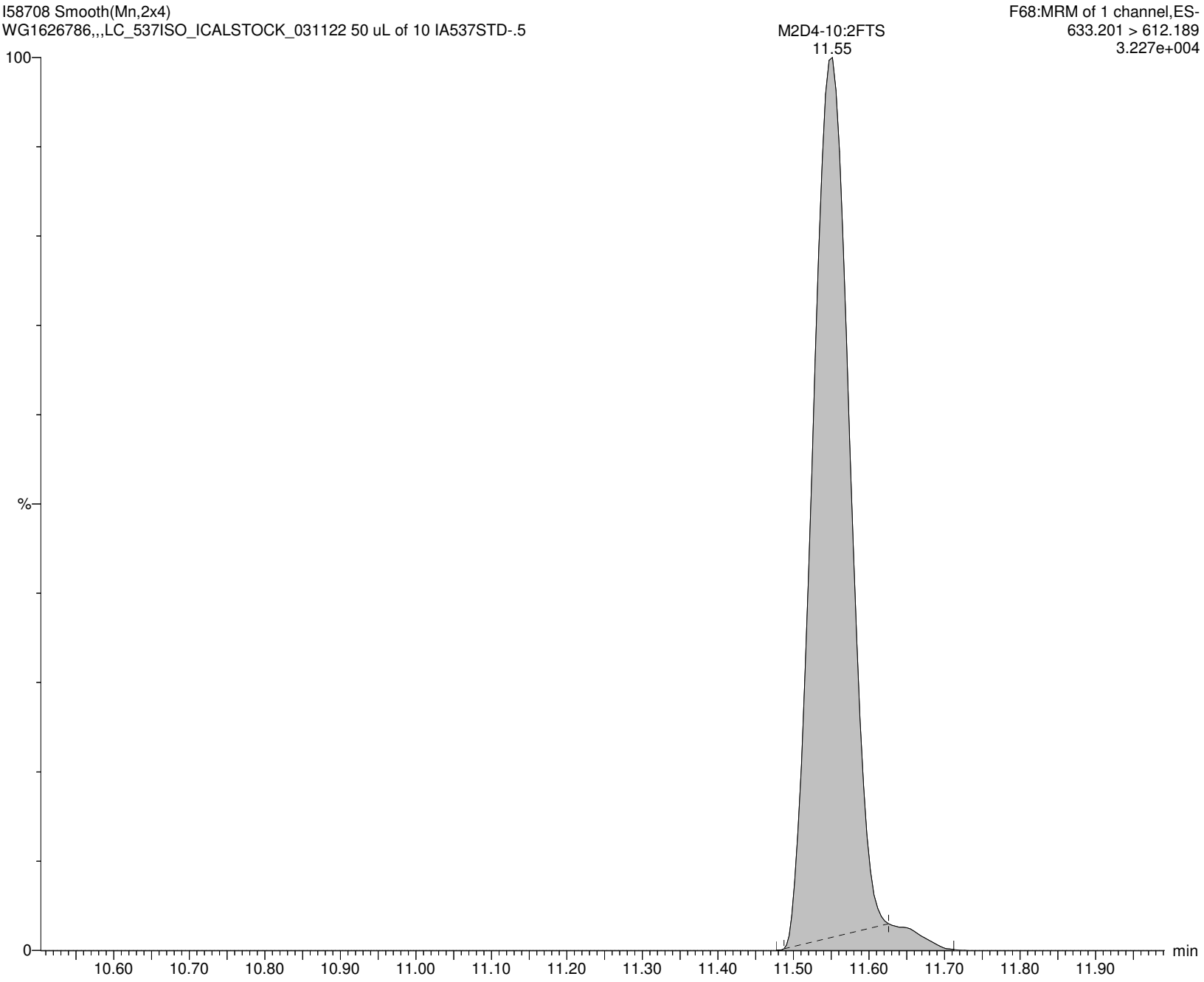


all concentration units in (ng/mL)

Alpha Analytical Inc.
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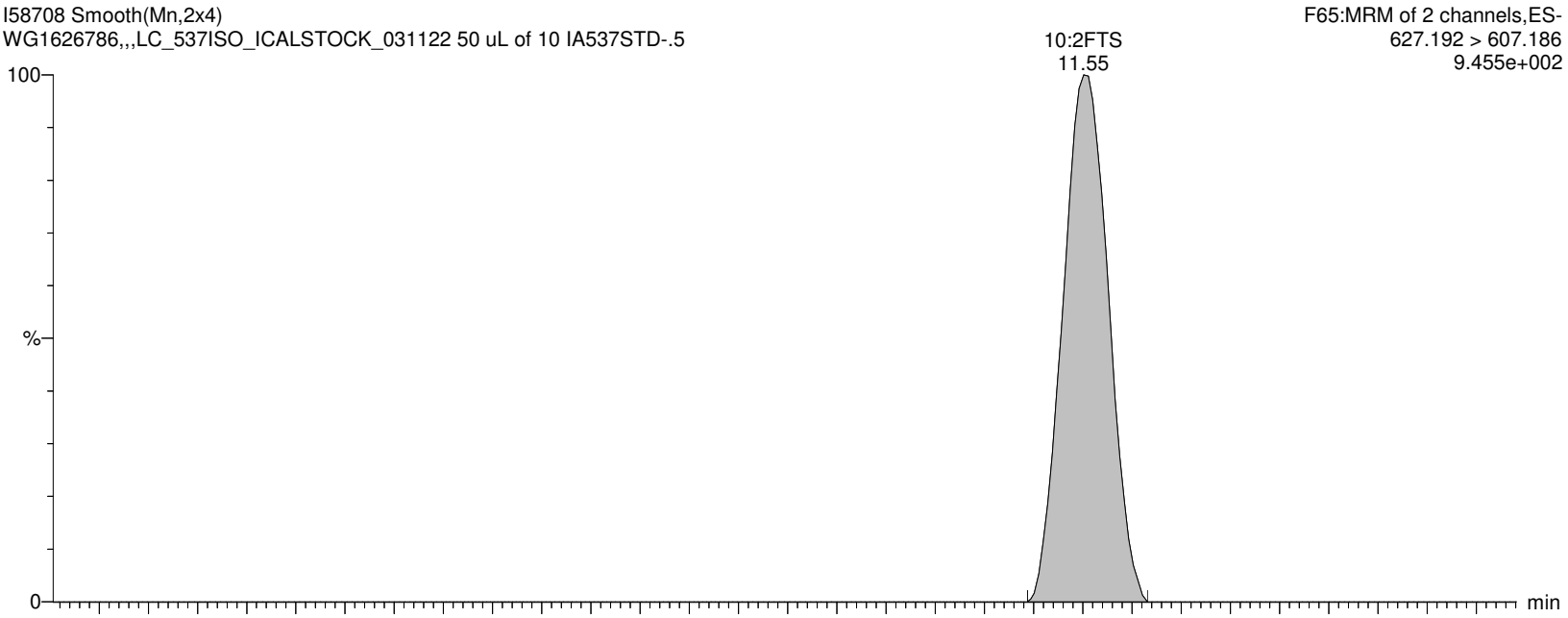


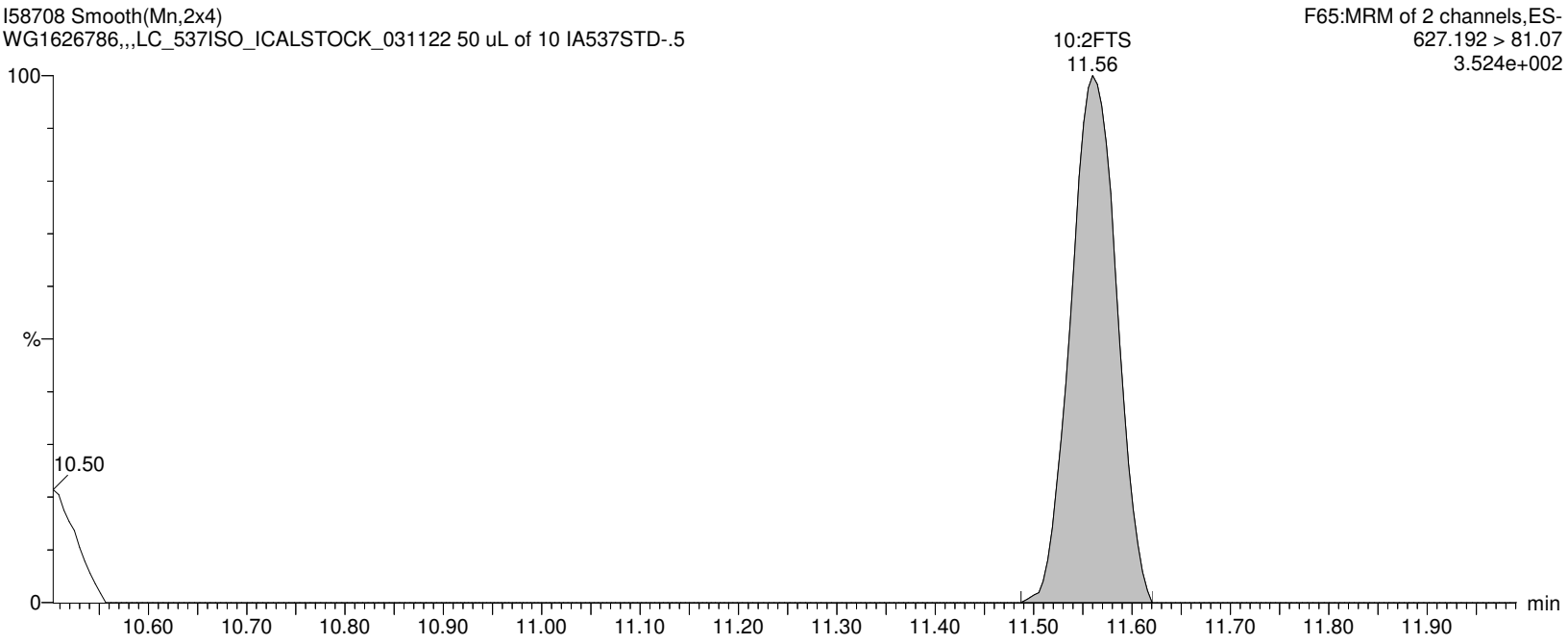
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10:2FTS



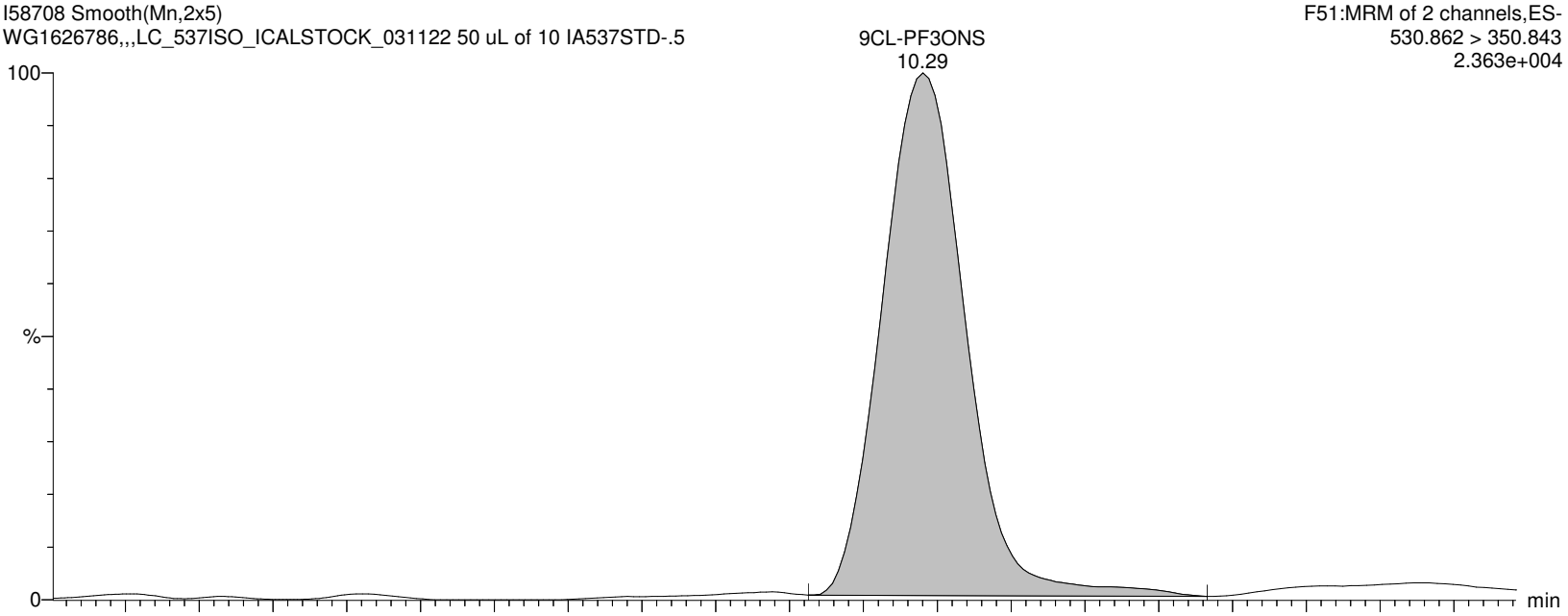


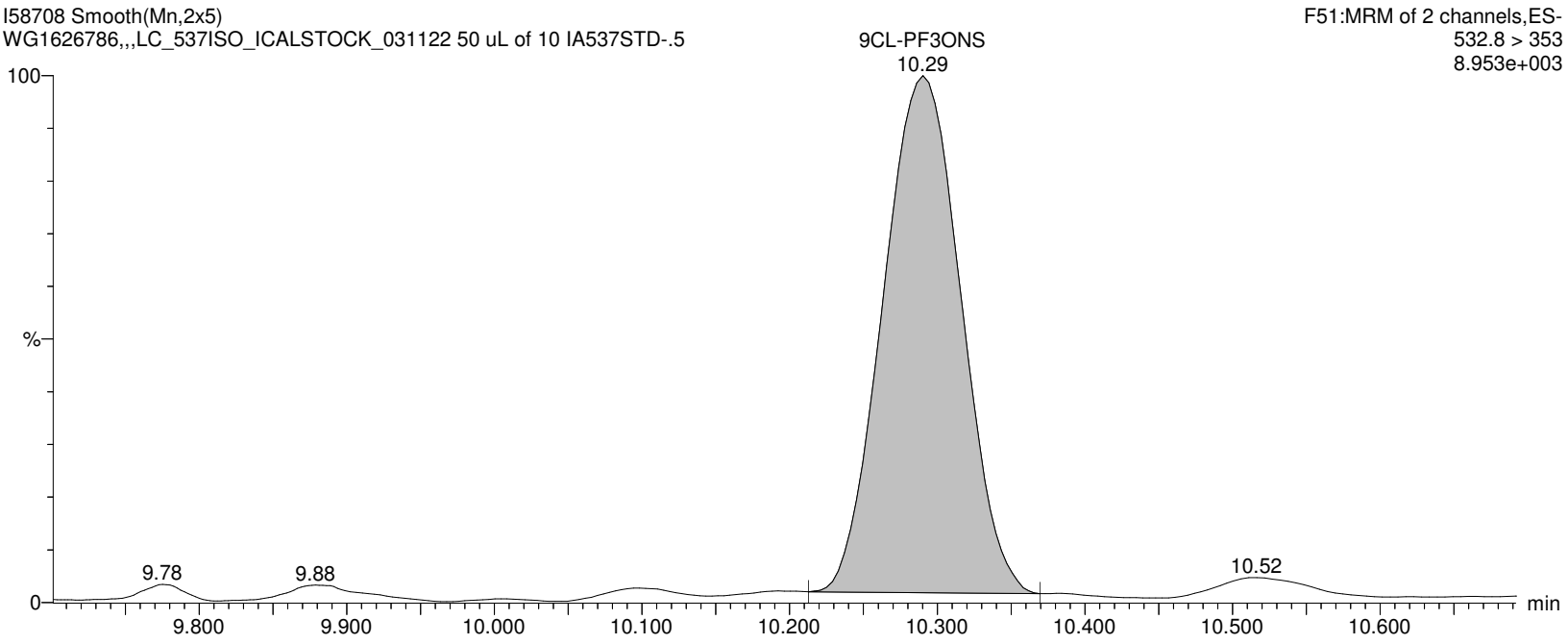
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9CL-PF3ONS



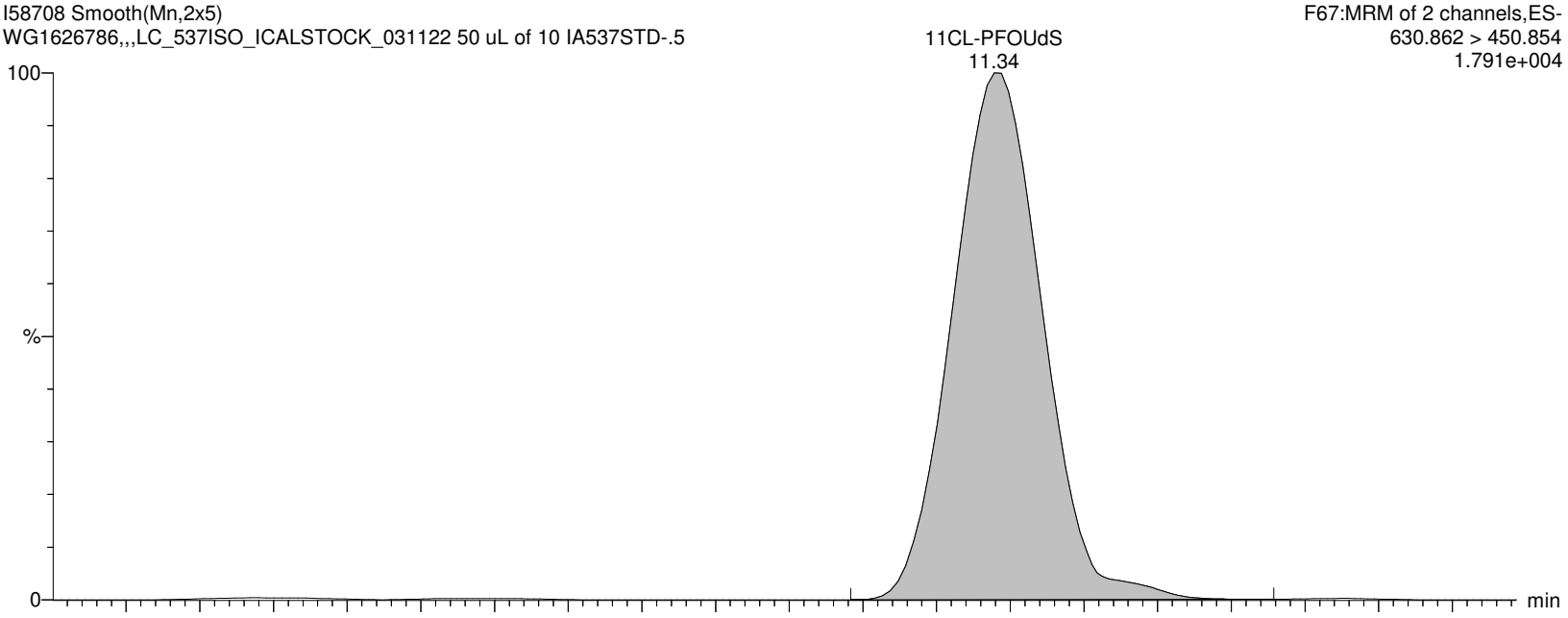


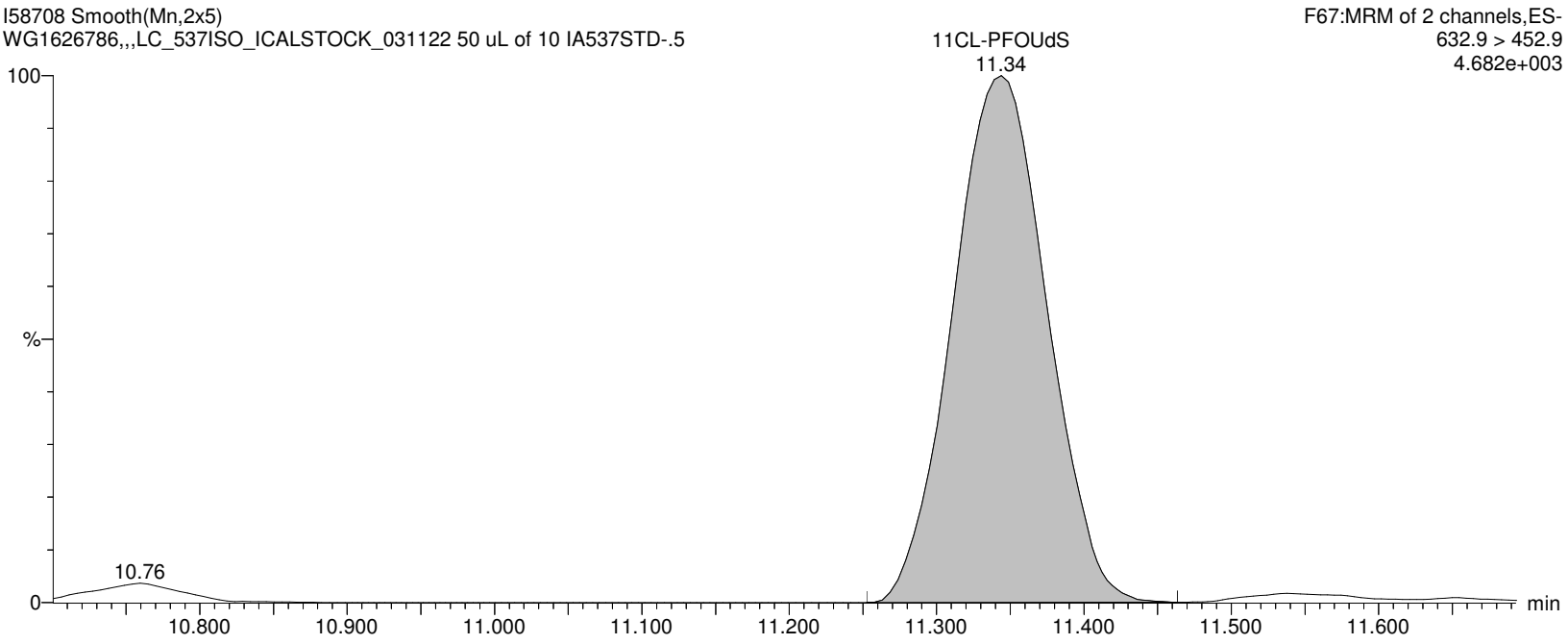
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11CL-PFOUdS



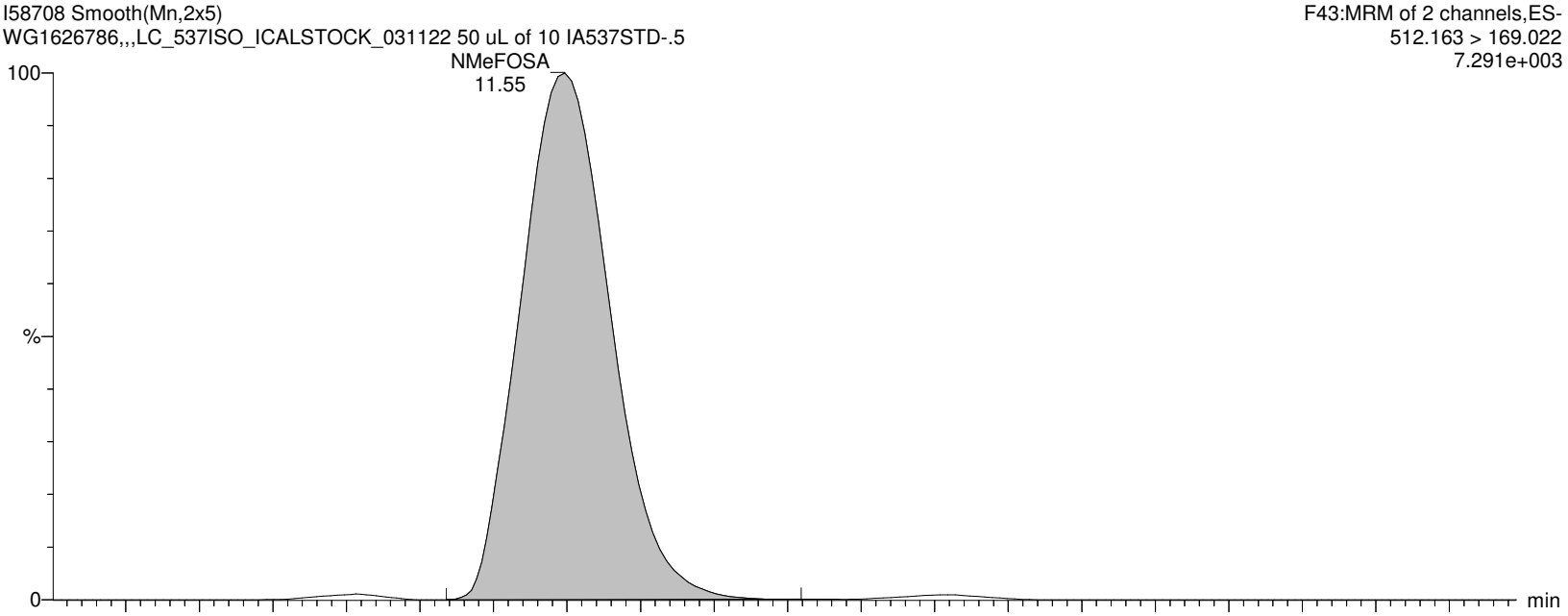


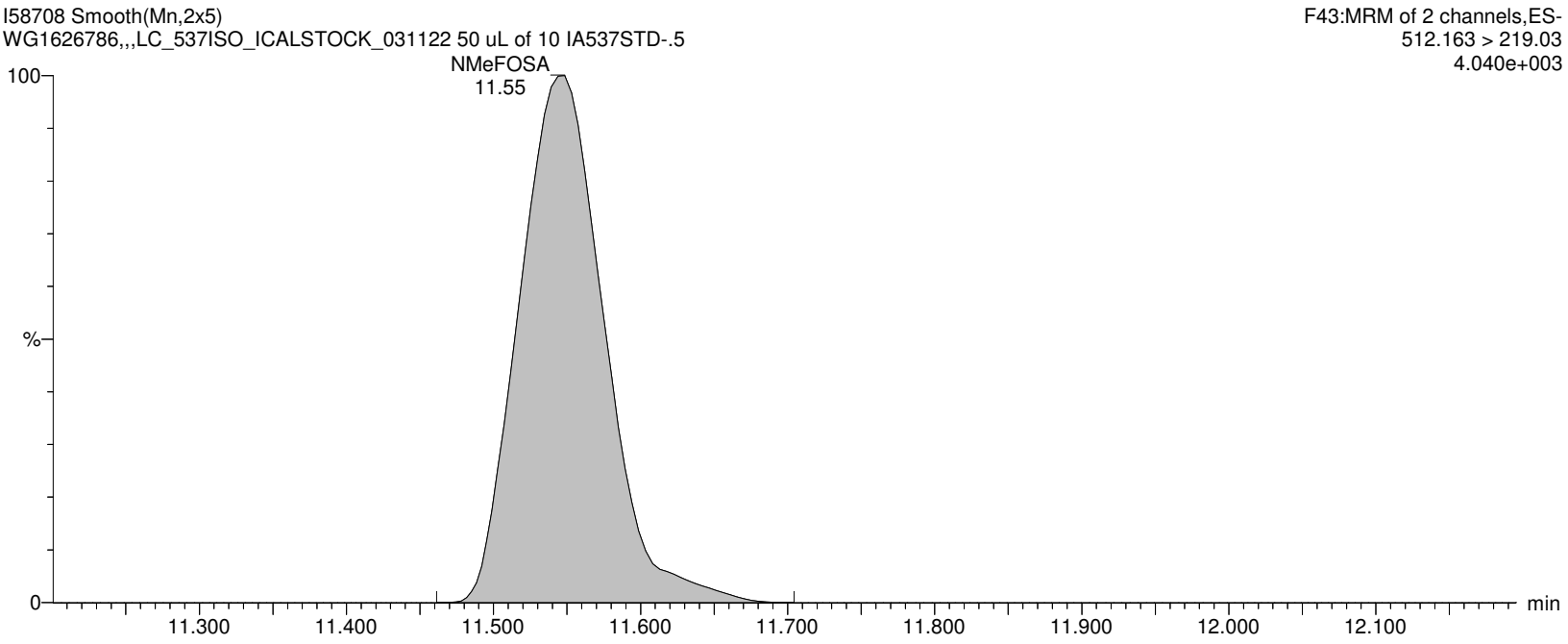
all concentration units in (ng/mL)

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NMeFOSA



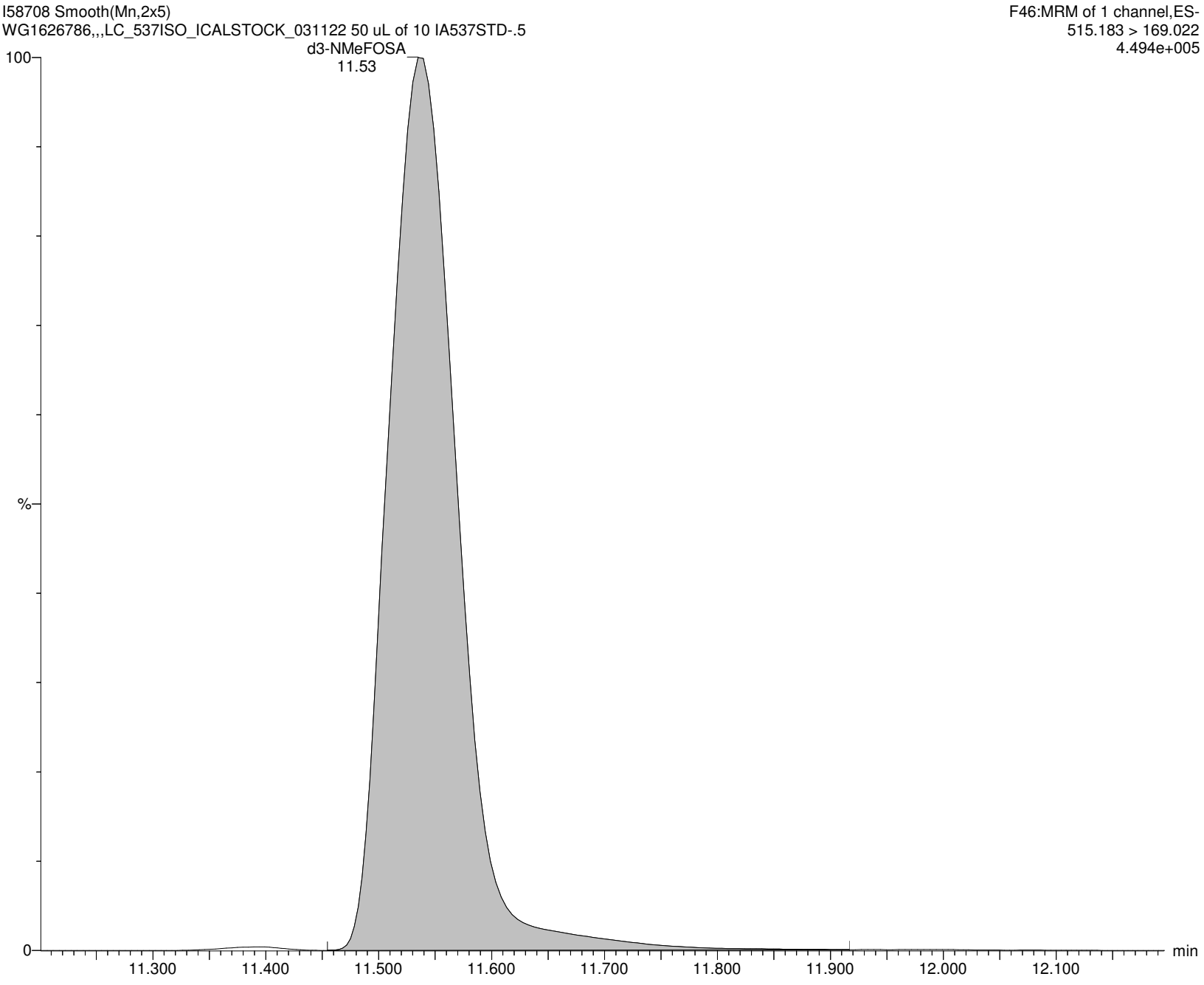


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d3-NMeFOSA

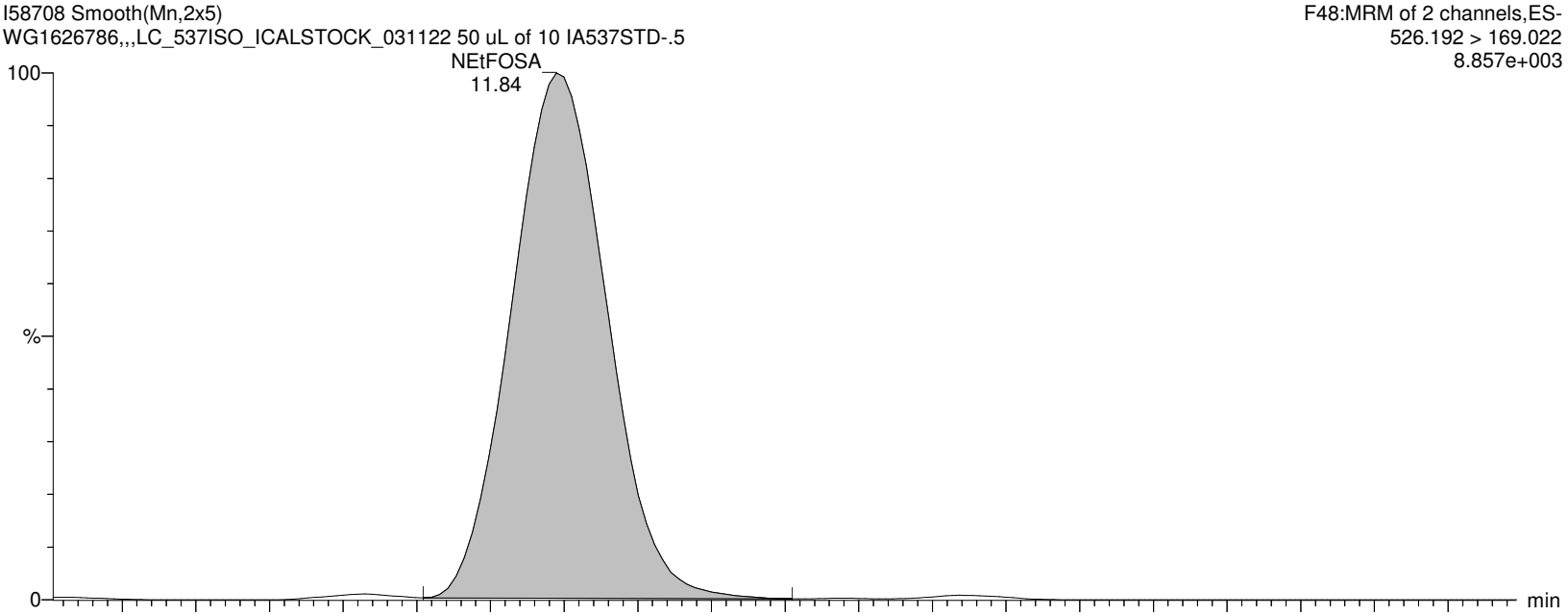


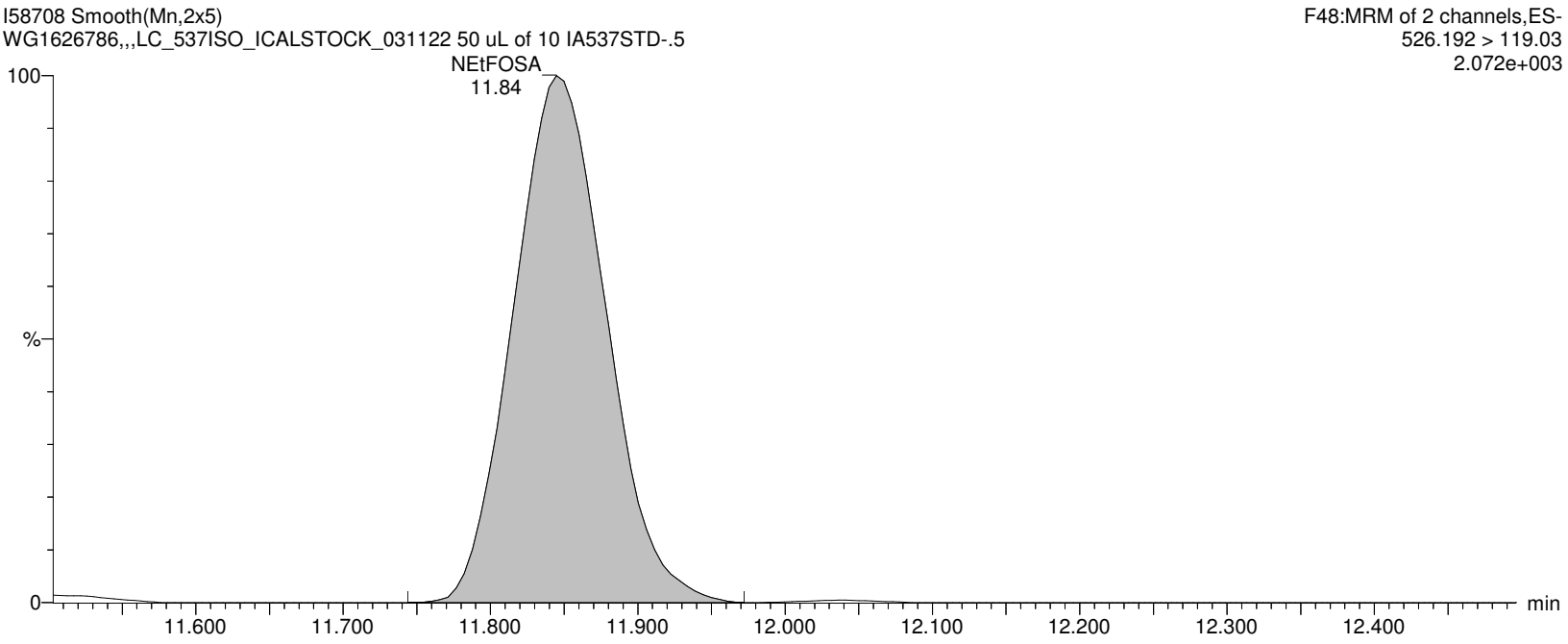
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NEtFOSA



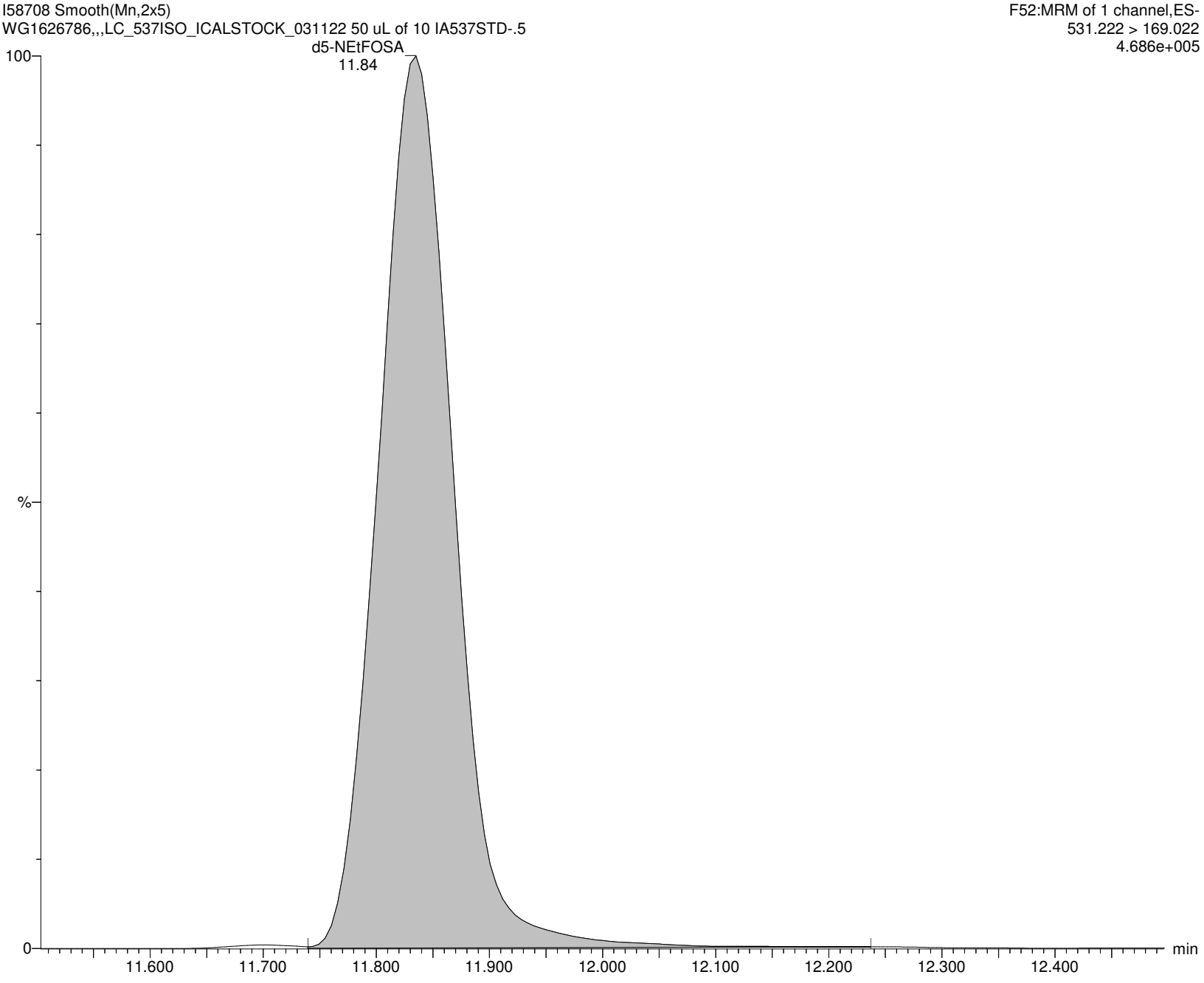


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICAL.qld
Last Altered: Wednesday, April 13, 2022 20:50:50 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:52:09 Eastern Daylight Time

Name: I58708
ID: IA537STD-.5
Date: 13-Apr-2022
Time: 19:32:11
Description: WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL of 10
User: LCMS02:MP
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

d5-NEtFOSA

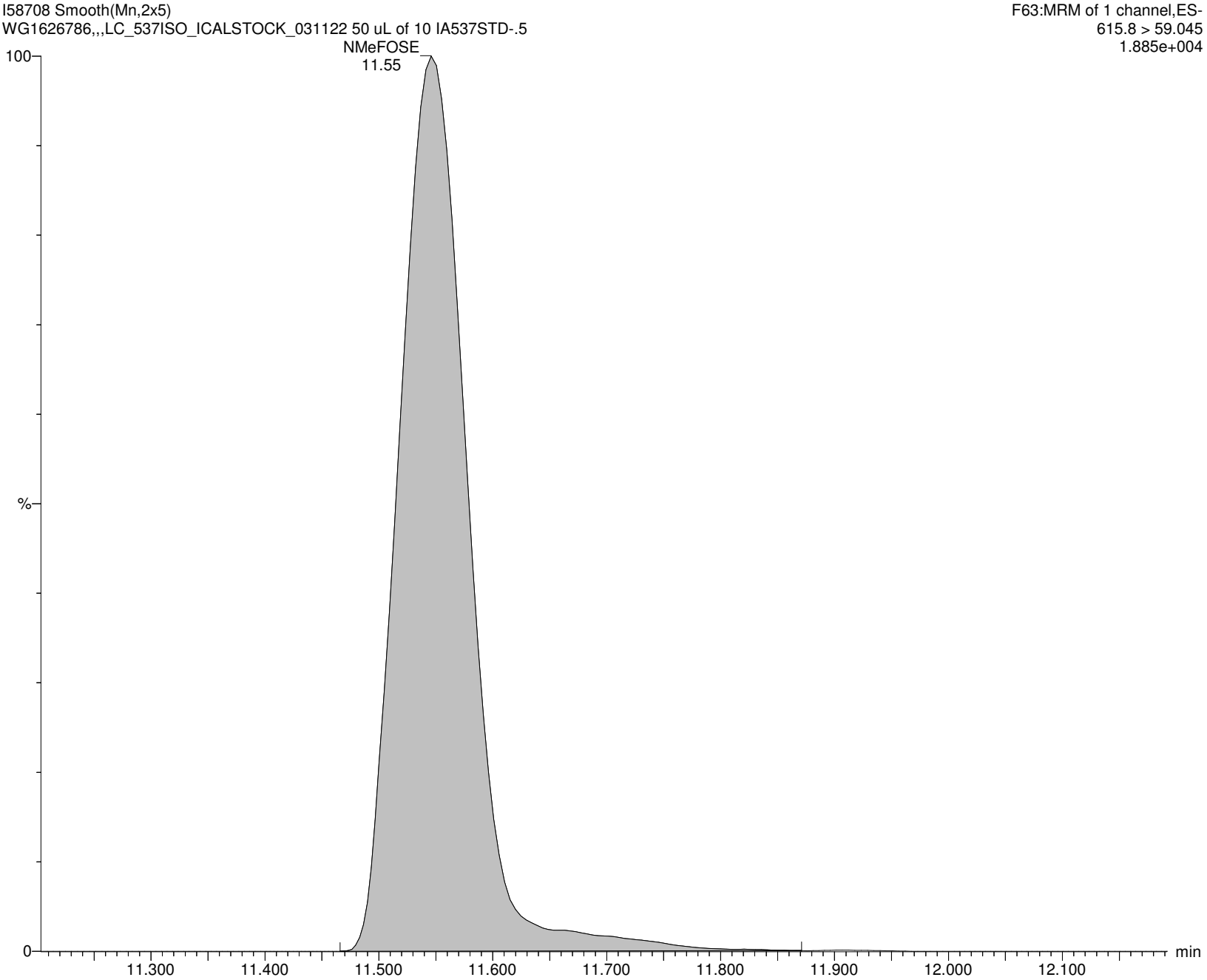


all concentration units in (ng/mL)

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NMeFOSE

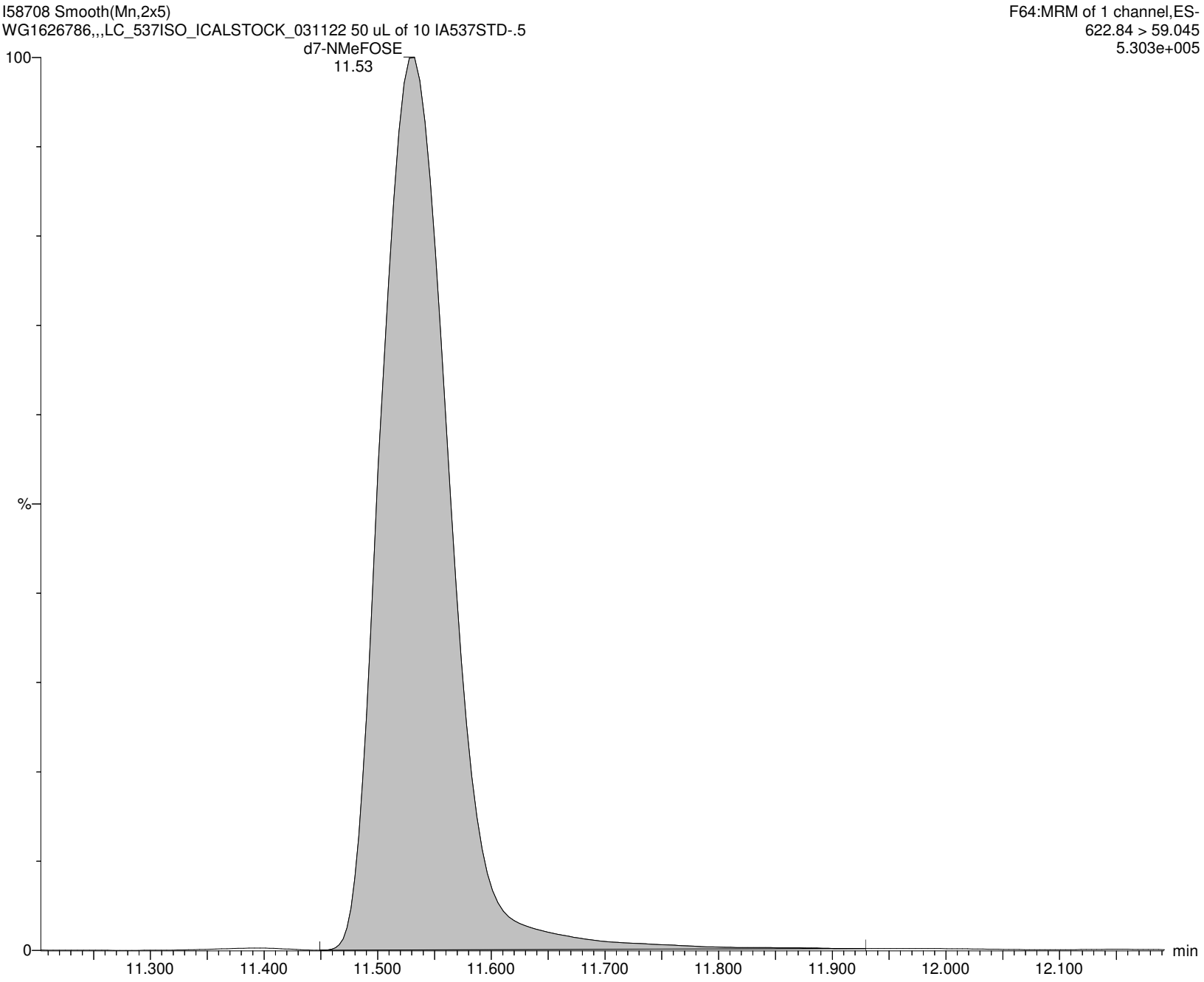


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d7-NMeFOSE

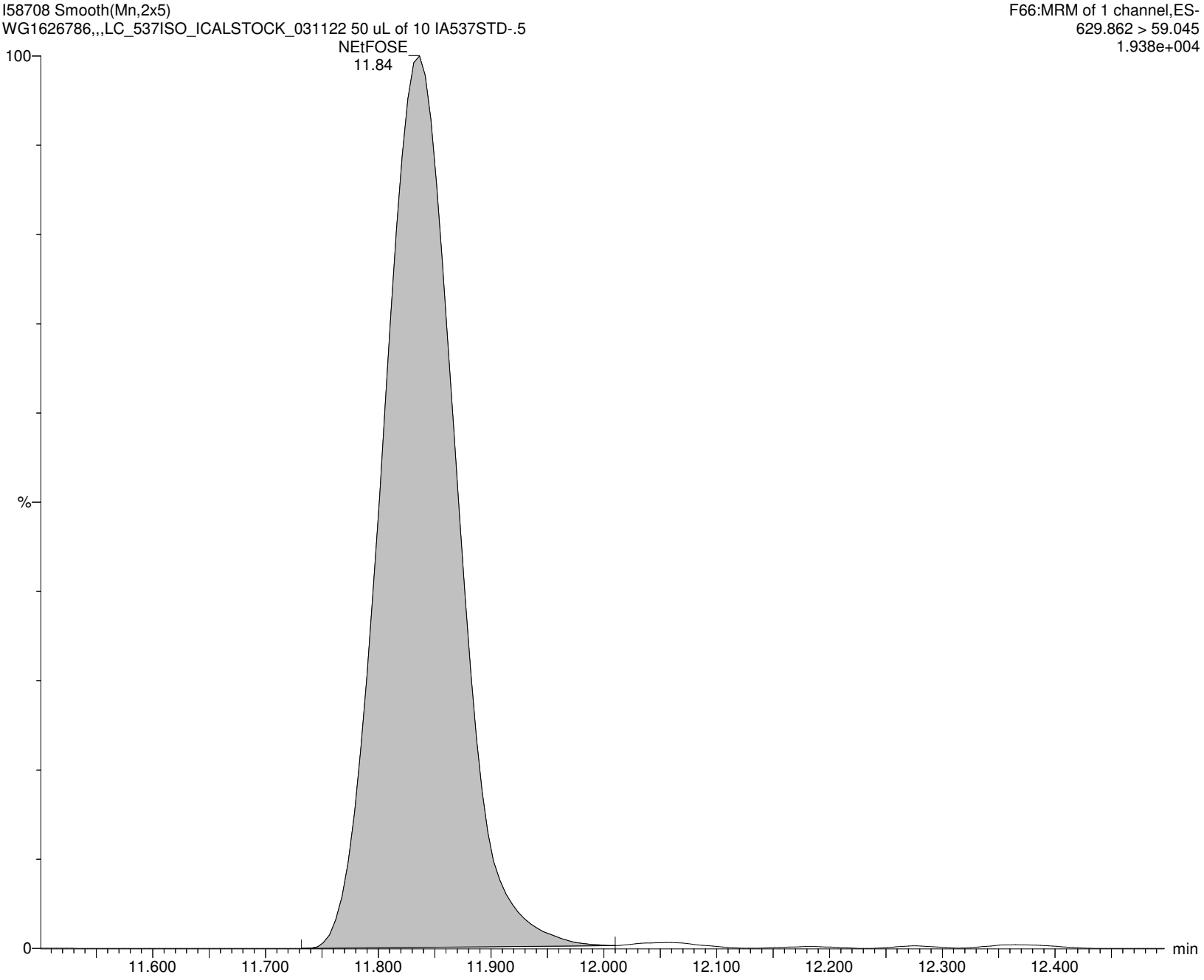


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NEtFOSE

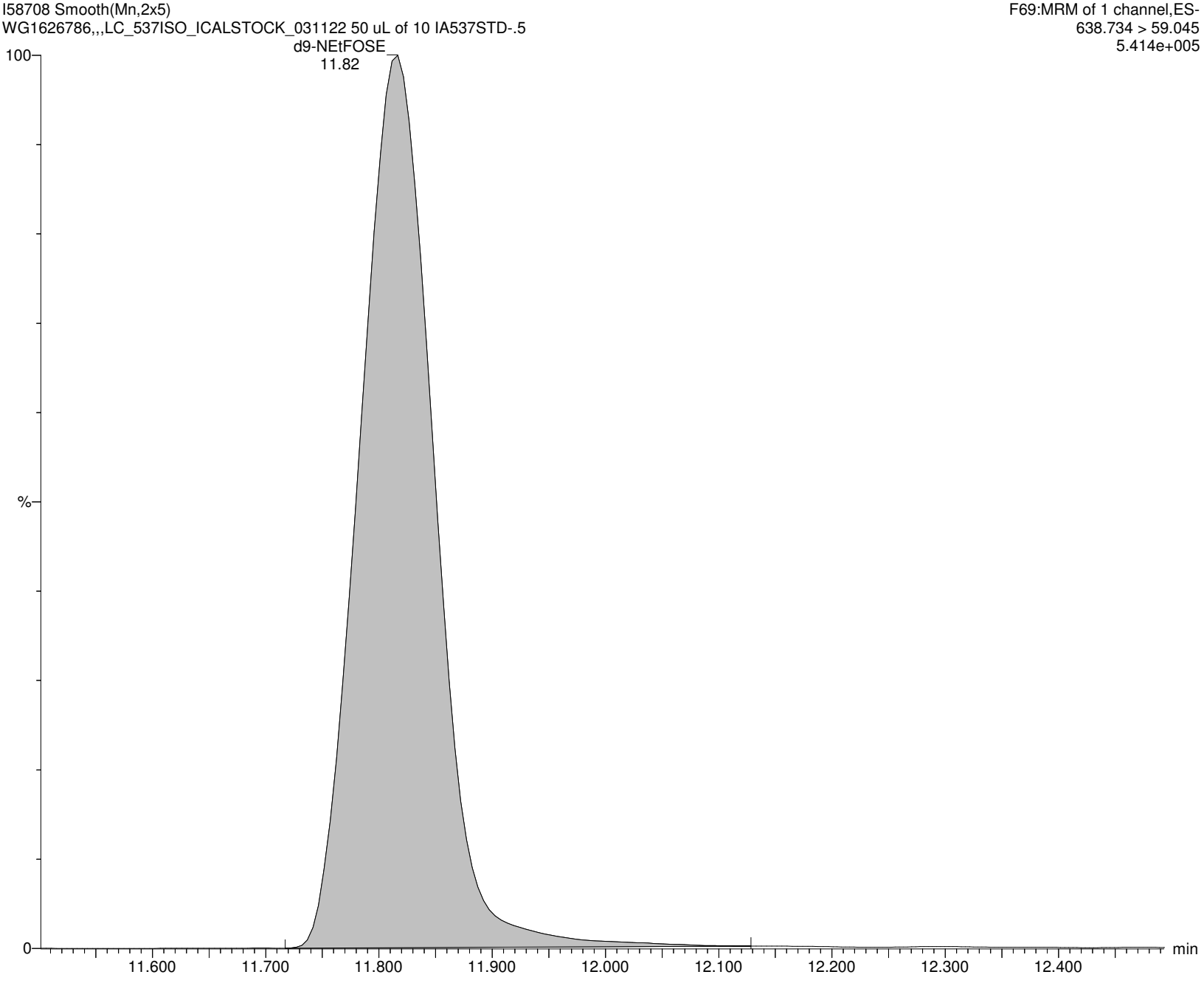


all concentration units in (ng/mL)

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d9-NEtFOSE

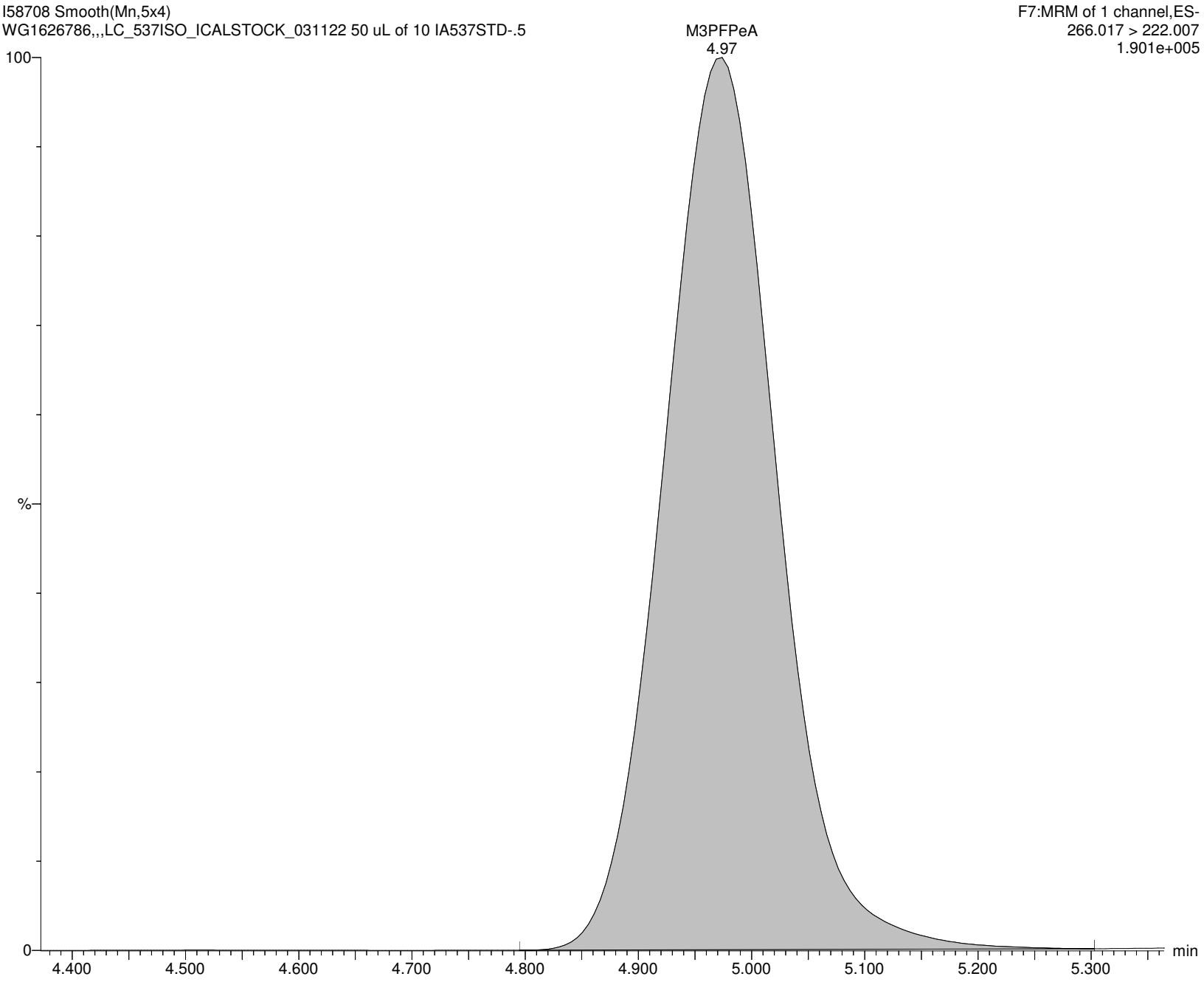


all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M3PFPeA

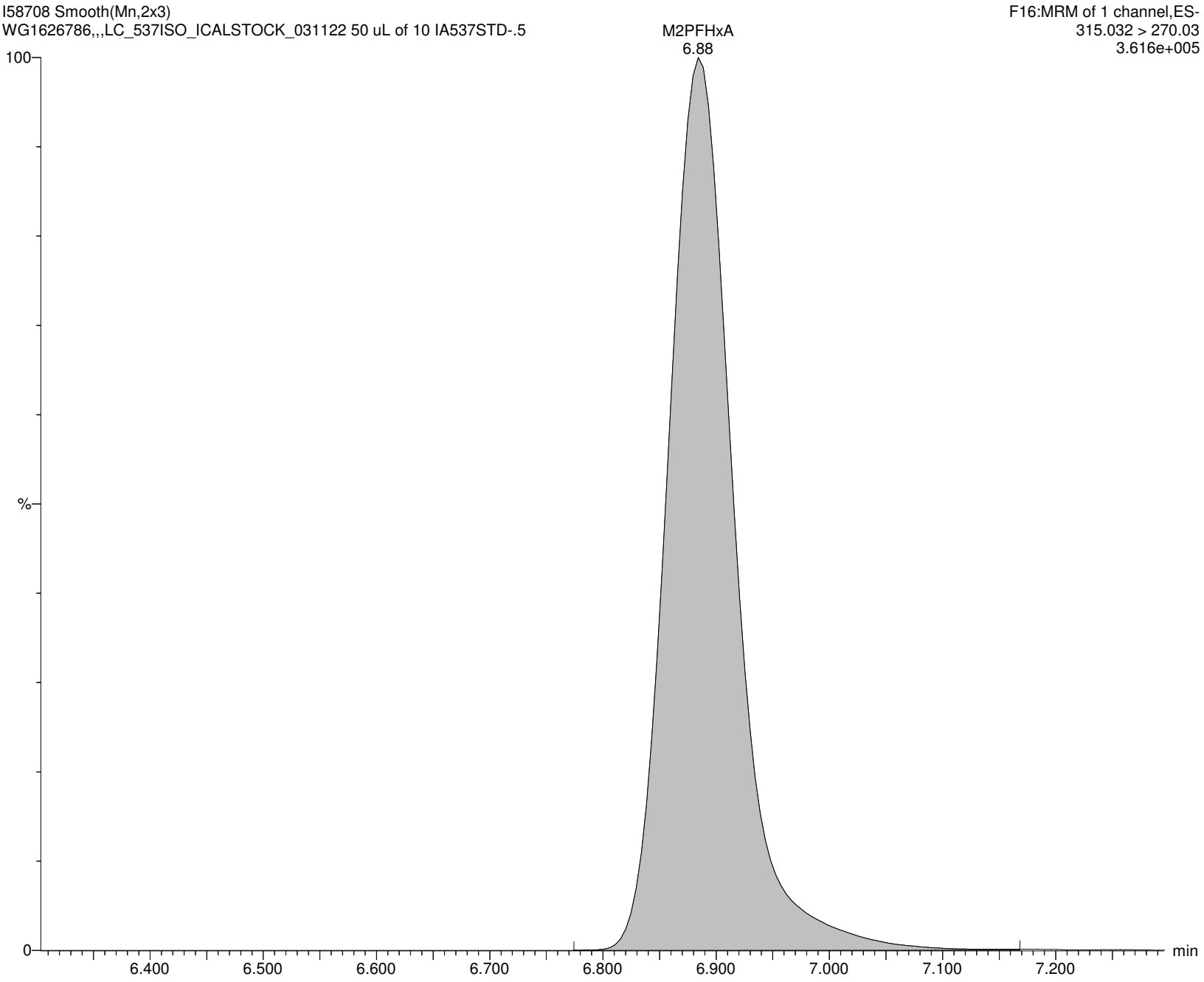


all concentration units in (ng/mL)

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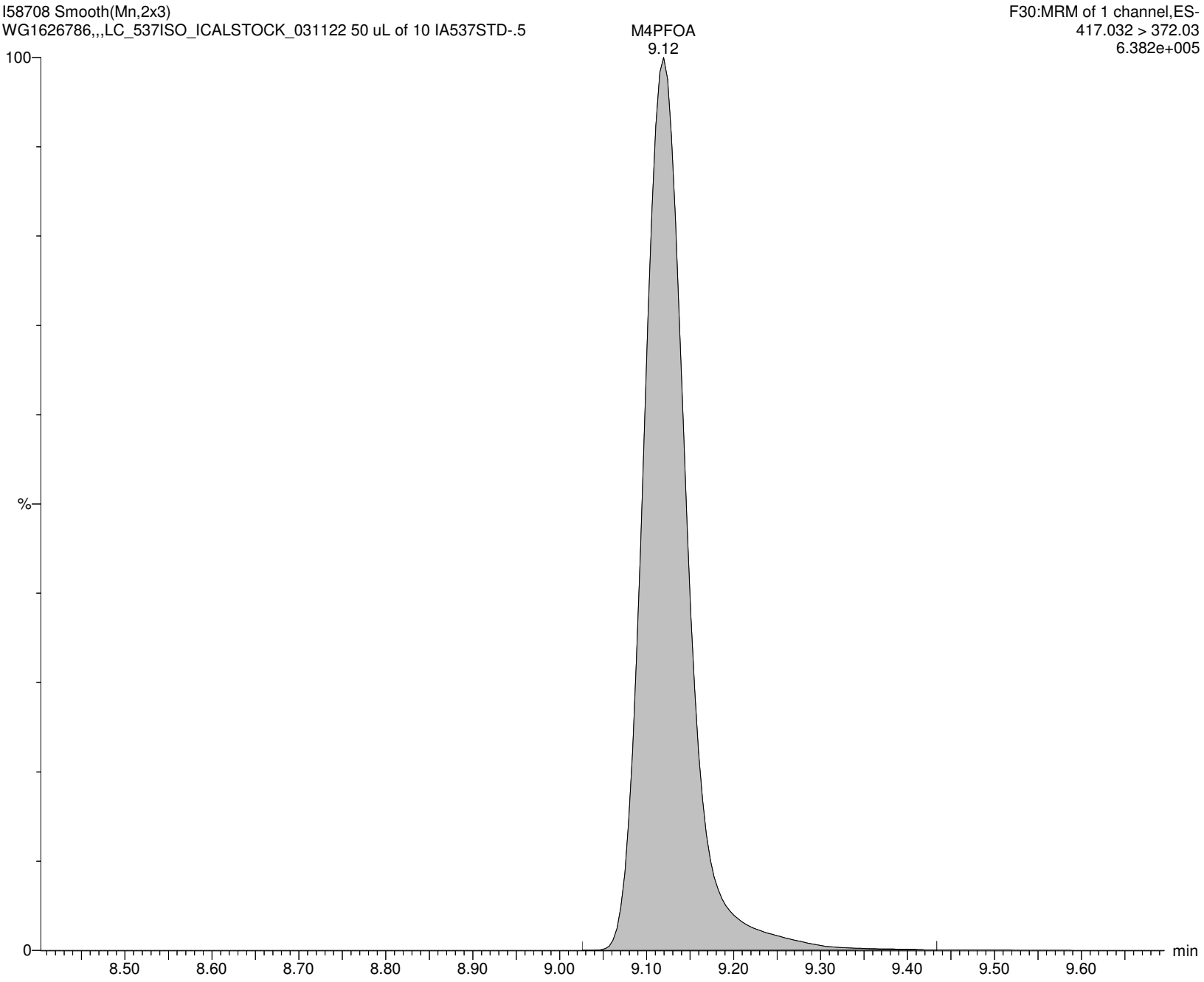


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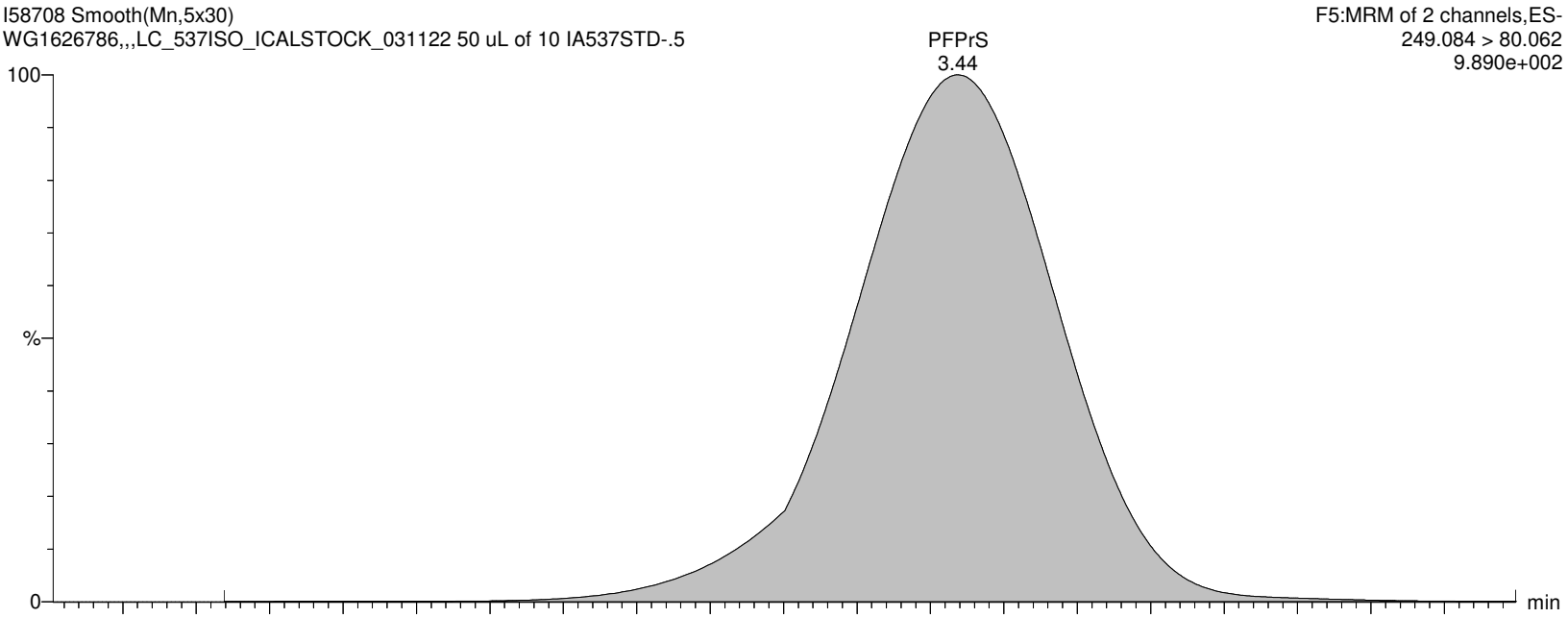


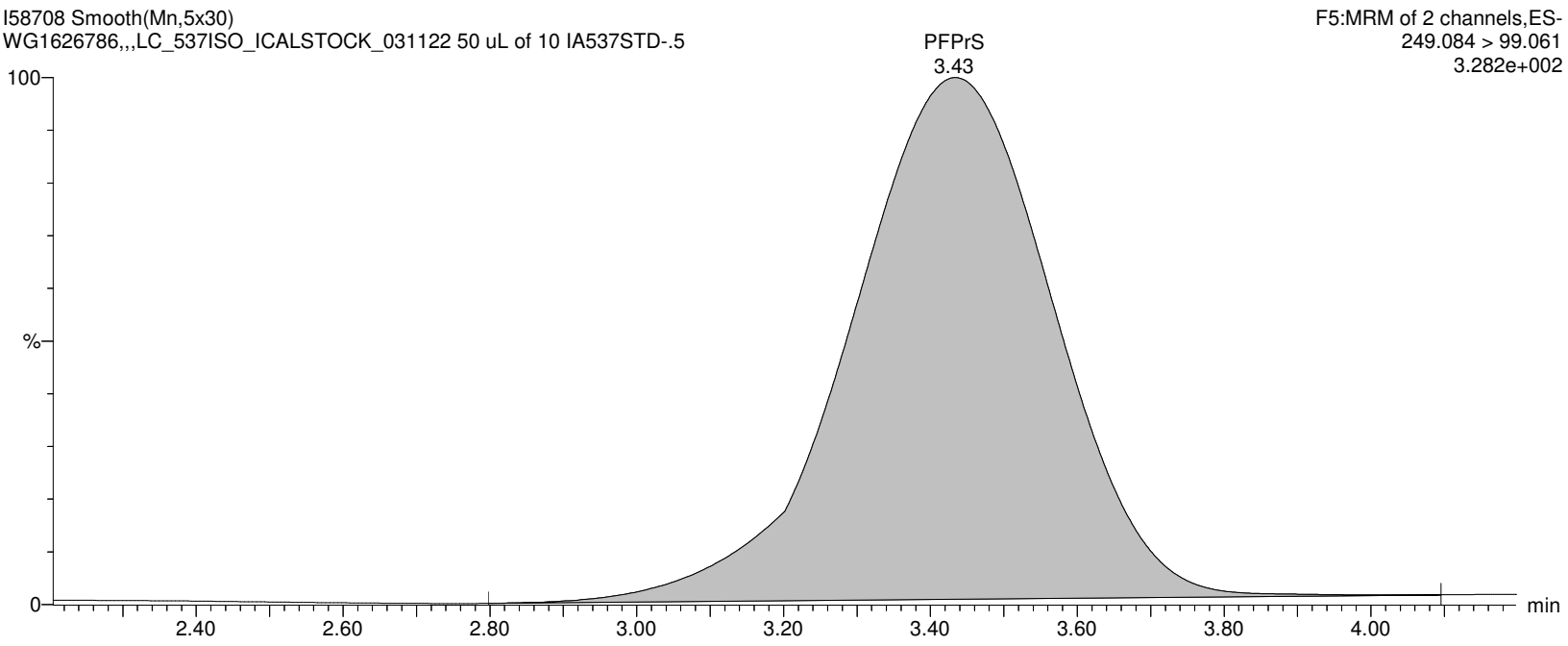
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFPrS



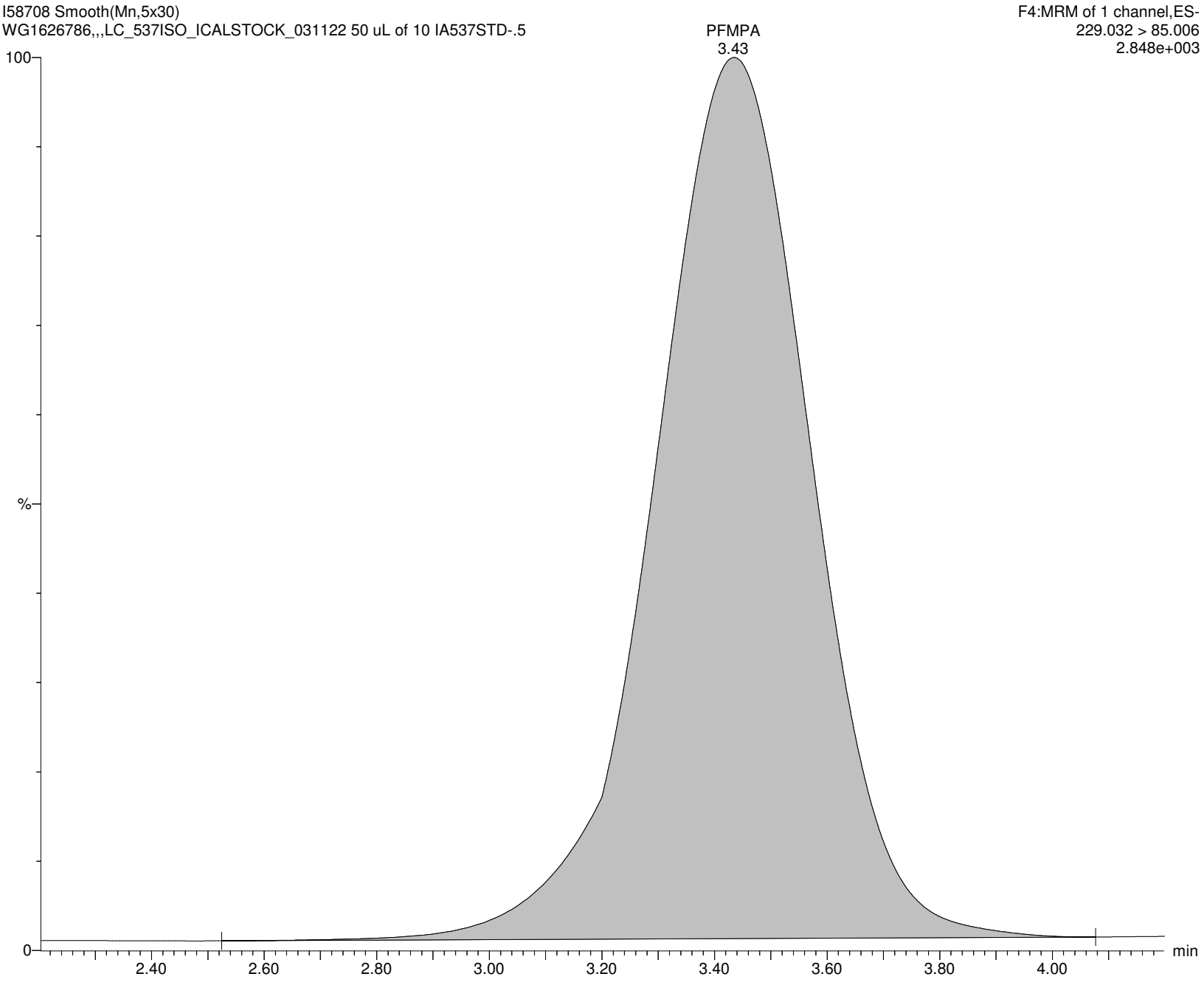


all concentration units in (ng/mL)

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PFMPA

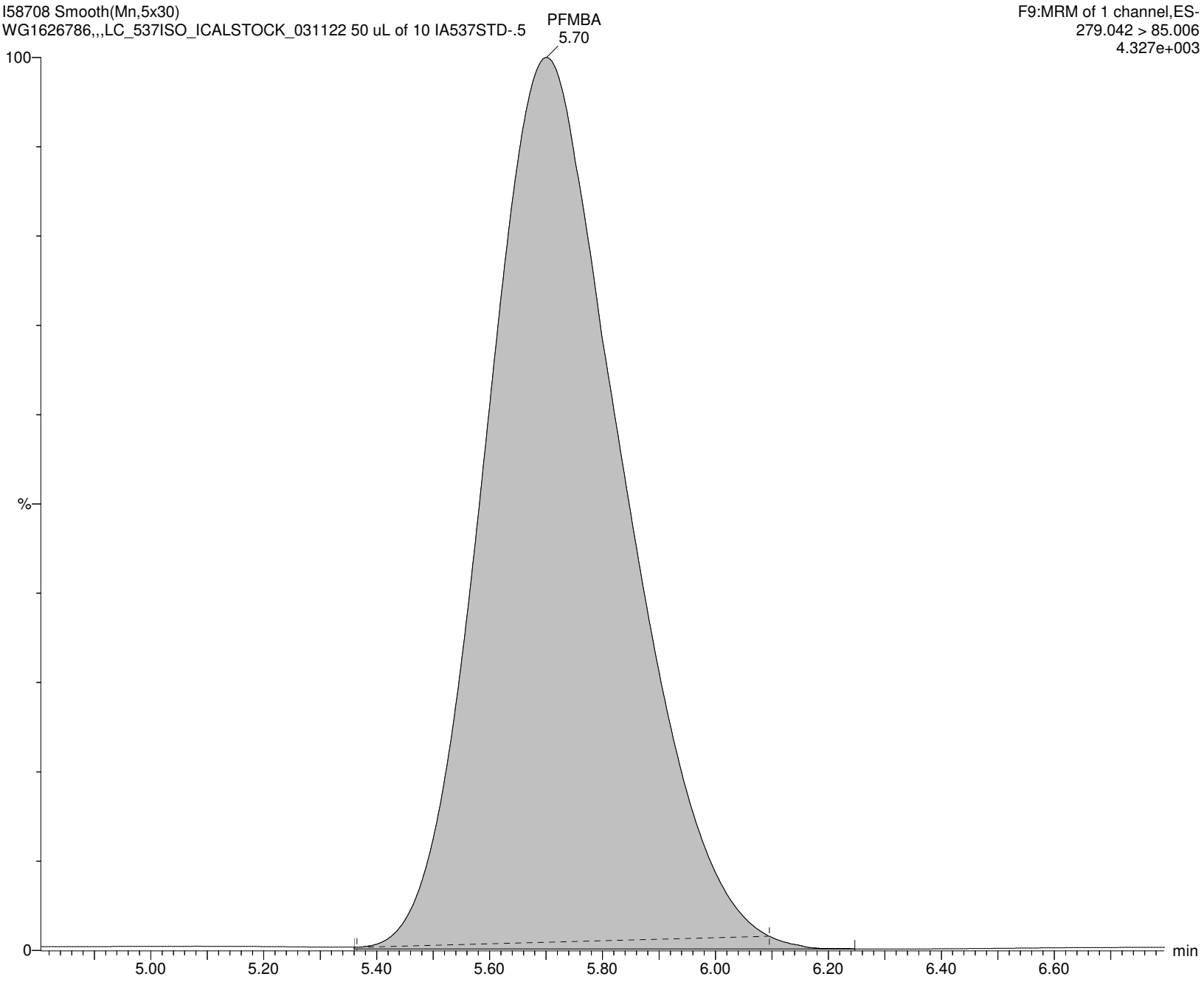


all concentration units in (ng/mL)

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PFMBA

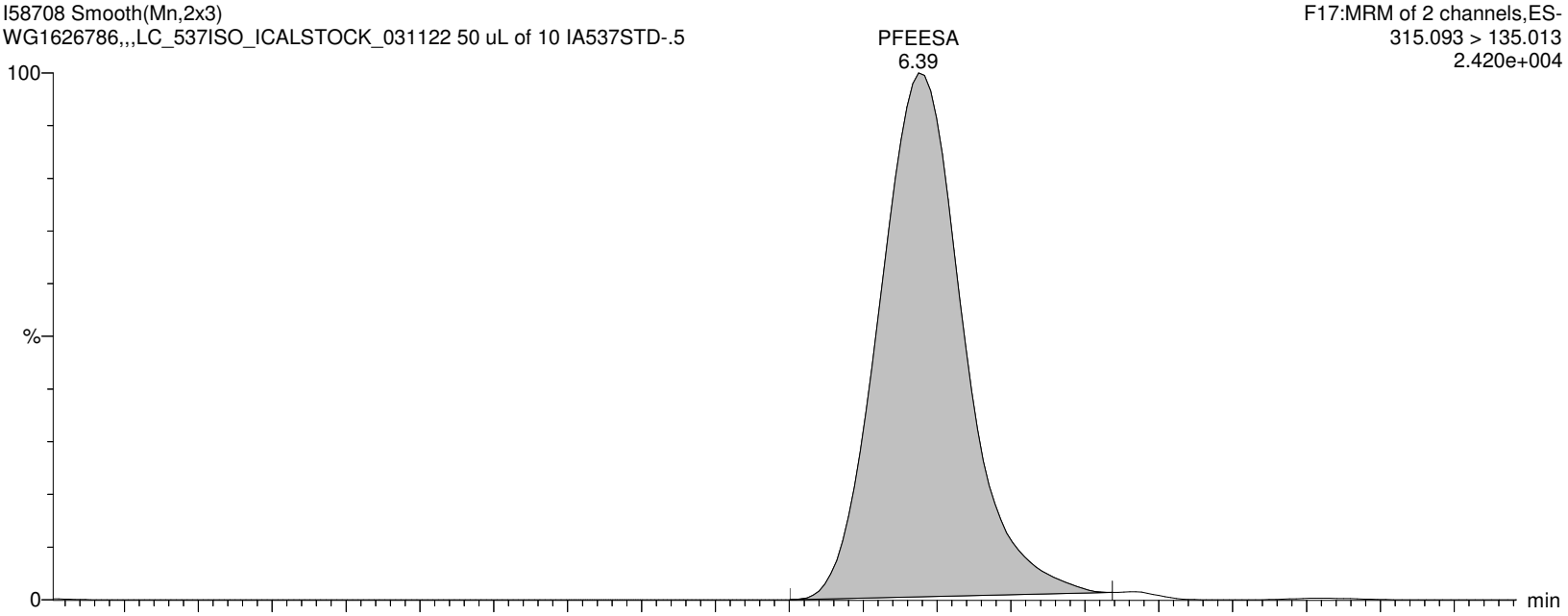


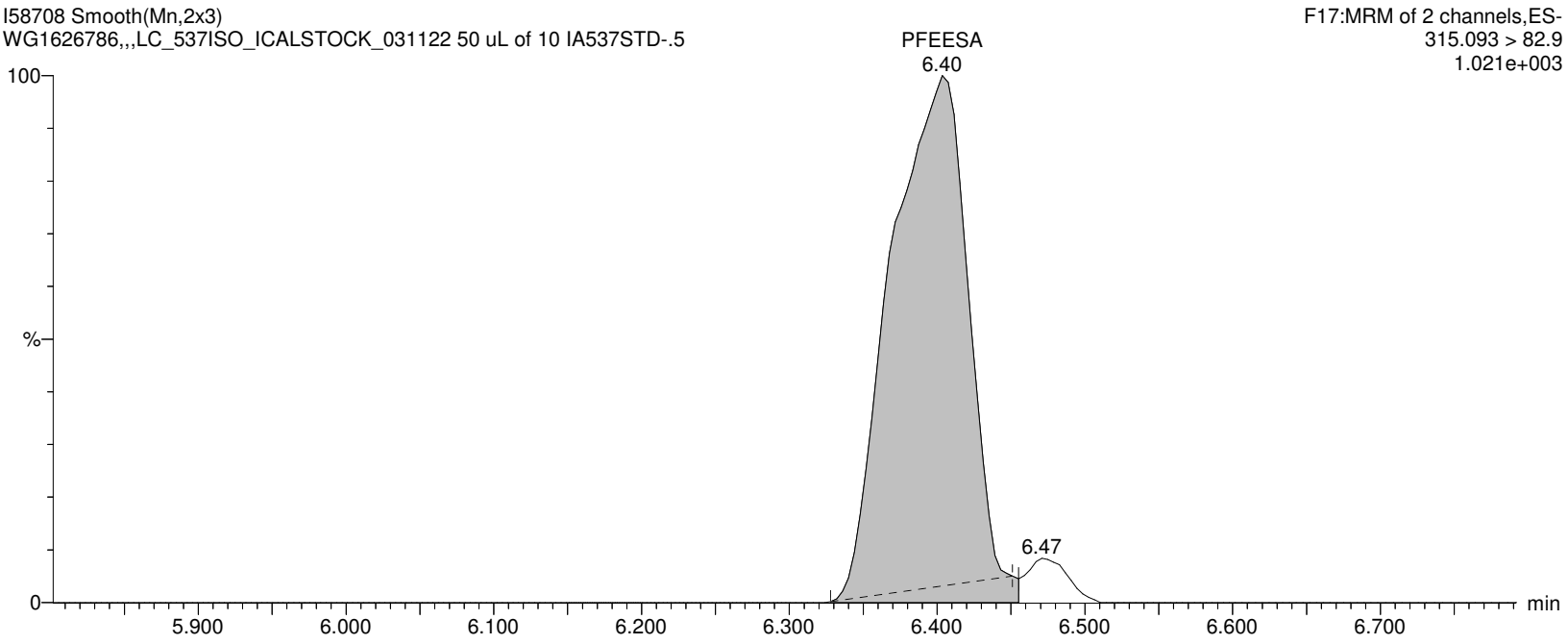
all concentration units in (ng/mL)

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PFEESA



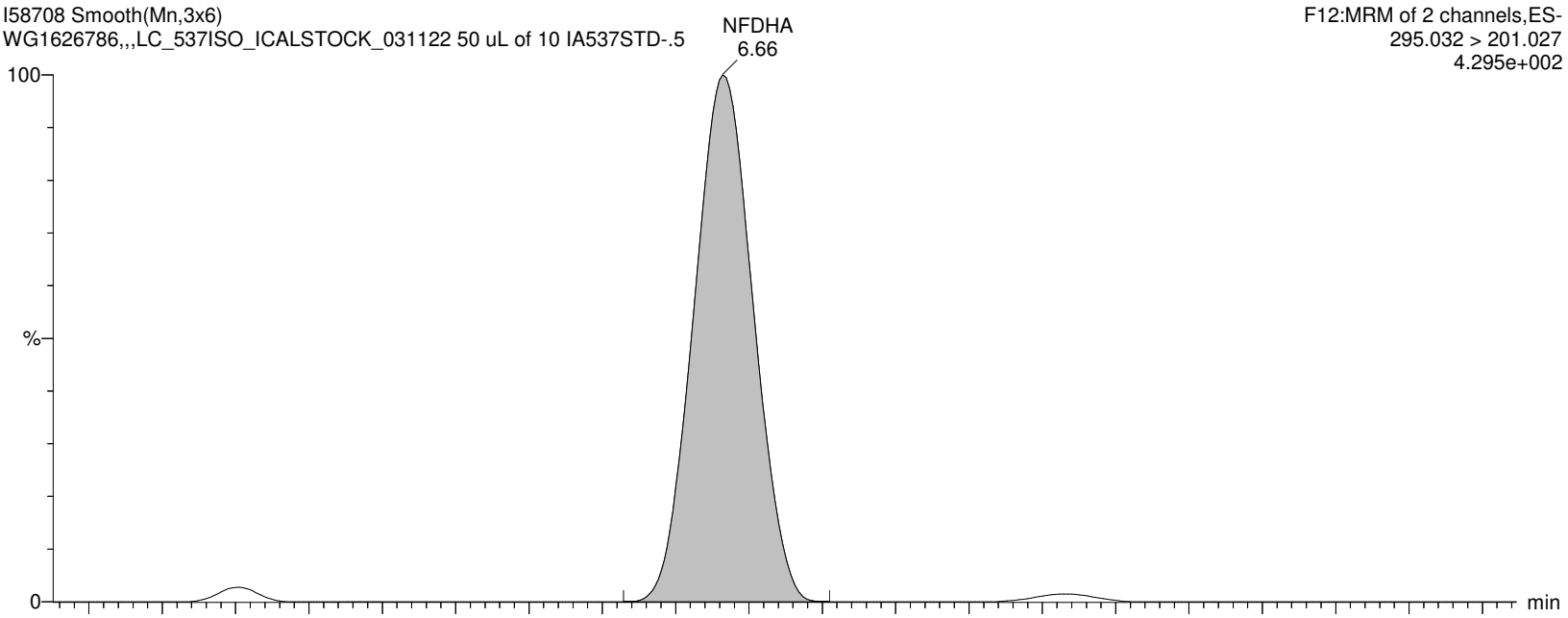


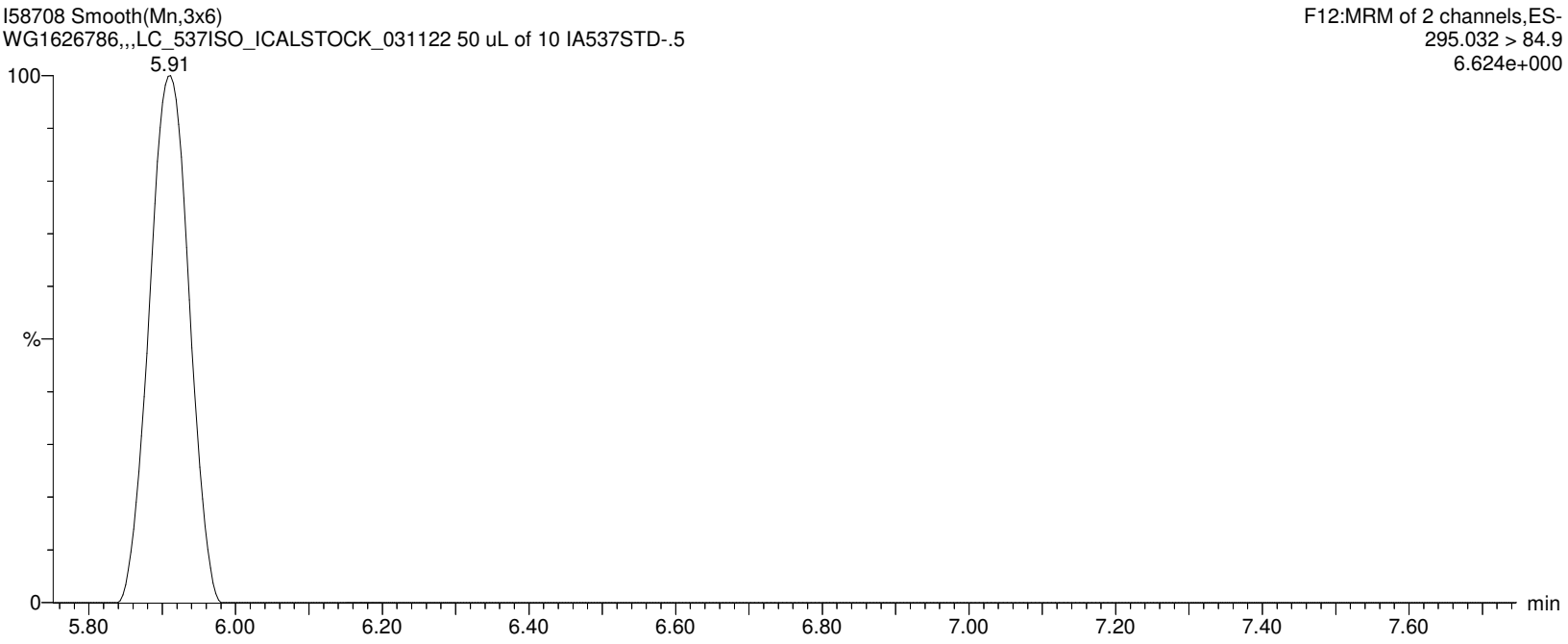
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MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: CA537STD10
Name: I58718
Date: 13-Apr-2022
Time: 20:09:30
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:MP
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.11	213.032 > 169.022	22829		9.249		na	92.5
2	M3PFBA	INT STD	2.11	216.009 > 171.999	26180		10.278		na	102.8
3	MPFBA	INT STD	2.11	217.001 > 171.999	28772		9.851		na	98.5
4	PFPeA	2706-90-3	4.97	263.039 > 219.03	25440		9.205		na	92.1
5	M5PFPEA	INT STD	4.97	268.001 > 222.999	35778		9.973		na	99.7
6	PFBS	375-73-5	5.63	299.092 > 80.062	6047		8.398	1.98	NO	94.7
7	M3PFBS	INT STD	5.64	302.069 > 80.062	6507		8.672		na	93.0
8	4:2FTS	757124-72-4	6.81	327.146 > 307.139	2739		9.407	2.49	NO	100.4
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	2782		8.306		na	88.5
10	PFHxA	307-24-4	6.89	313.047 > 269.037	40351		9.360	17.00	NO	93.6
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	44342		9.837		na	98.4
12	PFPeS	2706-91-4	7.21	349.1 > 80.062	5941		8.375	2.31	NO	89.0
13	PFHpA	375-85-9	8.17	363.055 > 319.045	50288		9.222	6.22	NO	92.2
14	M4PFHpA	INT STD	8.17	367.025 > 322.022	54213		10.050		na	100.5
15	br-PFHxS	355-46-4	8.10	399.107 > 80.062	969	M5,M7	1.799	2.18	NO	95.2
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	4568		7.436	1.64	NO	91.7
17	PFHxS	355-46-4		399.107 > 80.062	5536		9.235		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	6593		9.370		na	98.8
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	66070		9.299	9.90	NO	93.0
21	PFOA	335-67-1		412.8430 > 368.9430	66070		9.299		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	72182		9.919		na	99.2
23	M2PFOA	INT STD	9.12	414.828 > 369.935	67277		10.316		na	103.2
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	2496		9.348	3.79	NO	98.3
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	2639		8.764		na	92.2
26	PFHpS	375-92-8	9.22	449.115 > 80.062	3872		8.994	1.22	NO	94.4
27	PFNA	375-95-1	9.88	462.8510 > 418.951	52579		9.377	3.78	NO	93.8
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	65838		9.688		na	96.9
29	br-PFOS	1763-23-1	9.75	498.9030 > 79.9520	1866	M5,M7	1.957	4.53	YES	92.8
30	L-PFOS	1763-23-1	9.94	498.9030 > 79.9520	5310		7.165	1.73	NO	90.8
31	PFOS	1763-23-1		498.9030 > 79.9520	7177		9.122		na	
32	M4PFOS	INT STD	9.94	502.8730 > 79.952	7157		10.970		na	109.7
33	M8PFOS	INT STD	9.94	506.5852> 79.9565	8272		8.987		na	93.7
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	60305		9.724	6.77	NO	97.2
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	57374		10.688		na	106.9
36	M6PFDA	INT STD	10.52	518.6490 > 473.8794	66461		9.711		na	97.1
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	2809		7.900	3.09	NO	82.3
38	M2-8:2FTS	INT STD	10.51	529.162 > 509.155	1748		8.713		na	90.8
39	PFNS	68259-12-1	10.55	549.131 > 80.062	3817		9.792	1.57	NO	101.8

all concentration units in (ng/mL)

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.90	573.22 > 419.061	2662		9.398		na	94.0
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA		10.90	570.202 > 419.061	3124		9.421	1.82	NO	124.0
43	NMeFOSAA	2355-31-9		570.202 > 419.061	3124		9.421		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	57122		8.978	11.30	NO	89.8
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	42028		10.323		na	103.2
46	PFDS	335-77-3	11.08	599.139 > 80.062	3939		10.035	1.70	NO	104.0
47	FOSA	754-91-6	10.93	498.146 > 78.07	12062		9.455	116.97	NO	94.6
48	M8FOSA	INT STD	10.93	506.077 > 78.07	18423		9.632		na	96.3
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA		11.19	584.229 > 419.061	2032		8.891	1.10	NO	114.7
51	NEtFOSAA	2991-50-6		584.229 > 419.061	2032		8.891		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2267		9.592		na	95.9
53	PFDoA	307-55-1	11.54	613.094 > 569.084	28825		9.288	23.73	NO	92.9
54	MPFDOA	INT STD	11.54	615.079 > 570.077	27758		10.731		na	107.3
55	PFTrDA	72629-94-8	11.95	663.102 > 619.092	25236		10.878	11.54	NO	108.8
56	PFTA	376-06-7	12.32	712.8900 > 668.9900	35202		10.411	9.98	NO	104.1
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	50676		9.276		na	92.8
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	6258		213.648		na	106.8
59	HFPO-DA	13252-13-6	7.33	285.035 > 169.022	2984		84.587	6.10	NO	84.6
60	ADONA	958445-44-8	8.35	377.06 > 251.028	33751		7.985	27.22	NO	84.5
61	PFHxDA		12.75	813.122 > 768.8565	9567		9.123	18.32	NO	91.2
62	PFODA		12.97	913.411 > 868.7332	1590		7.610	14.49	NO	76.1
63	M2PFHxDA		12.75	815.102 > 770.108	9363		10.093		na	100.9
64	PFDoS		11.95	699.154 > 80.062	2258		9.558	2.04	NO	95.6
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1768	M4	20.493		na	104.6
66	10:2FTS		11.55	627.192 > 607.186	853	M4,M7	7.163	1.46	NO	74.2
67	9CL-PF3ONS		10.29	530.862 > 350.843	27961		7.561	2.68	NO	81.0
68	11CL-PFOUdS		11.34	630.862 > 450.854	22693		7.655	3.25	NO	81.2
69	NMeFOSA		11.54	512.163 > 169.022	1974		7.835	1.92	NO	78.3
70	d3-NMeFOSA		11.53	515.183 > 169.022	29487		100.260		na	100.3
71	NEtFOSA		11.84	526.192 > 169.022	2302		7.408	4.39	NO	74.1
72	d5-NEtFOSA		11.83	531.222 > 169.022	36167		102.557		na	102.6
73	NMeFOSE		11.55	615.8 > 59.045	7969		7.946		na	79.5
74	d7-NMeFOSE		11.53	622.84 > 59.045	36250		103.550		na	103.5
75	NEtFOSE		11.83	629.862 > 59.045	9692		8.640		na	86.4
76	d9-NEtFOSE		11.81	638.734 > 59.045	41194		95.433		na	95.4
77	M3PFPeA		4.97	266.017 > 222.007	21626		10.412		na	104.1
78	M2PFHxA		6.88	315.032 > 270.03	24338		10.578		na	105.8
79	M4PFOA		9.12	417.032 > 372.03	36256		10.558		na	105.6
80	PFPrS	423-41-6	3.44	249.084 > 80.062	6237		7.900	2.97	NO	85.9
81	PFMPA		3.44	229.032 > 85.006	15577		9.295		na	92.9
82	PFMBA		5.70	279.042 > 85.006	22411	M4	9.258		na	92.6

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
83	PFEESA		6.39	315.093 > 135.013	29937		7.387	23.73	NO	83.0
84	NFDHA		6.66	295.032 > 201.027	658		9.626	54.57	YES	96.3

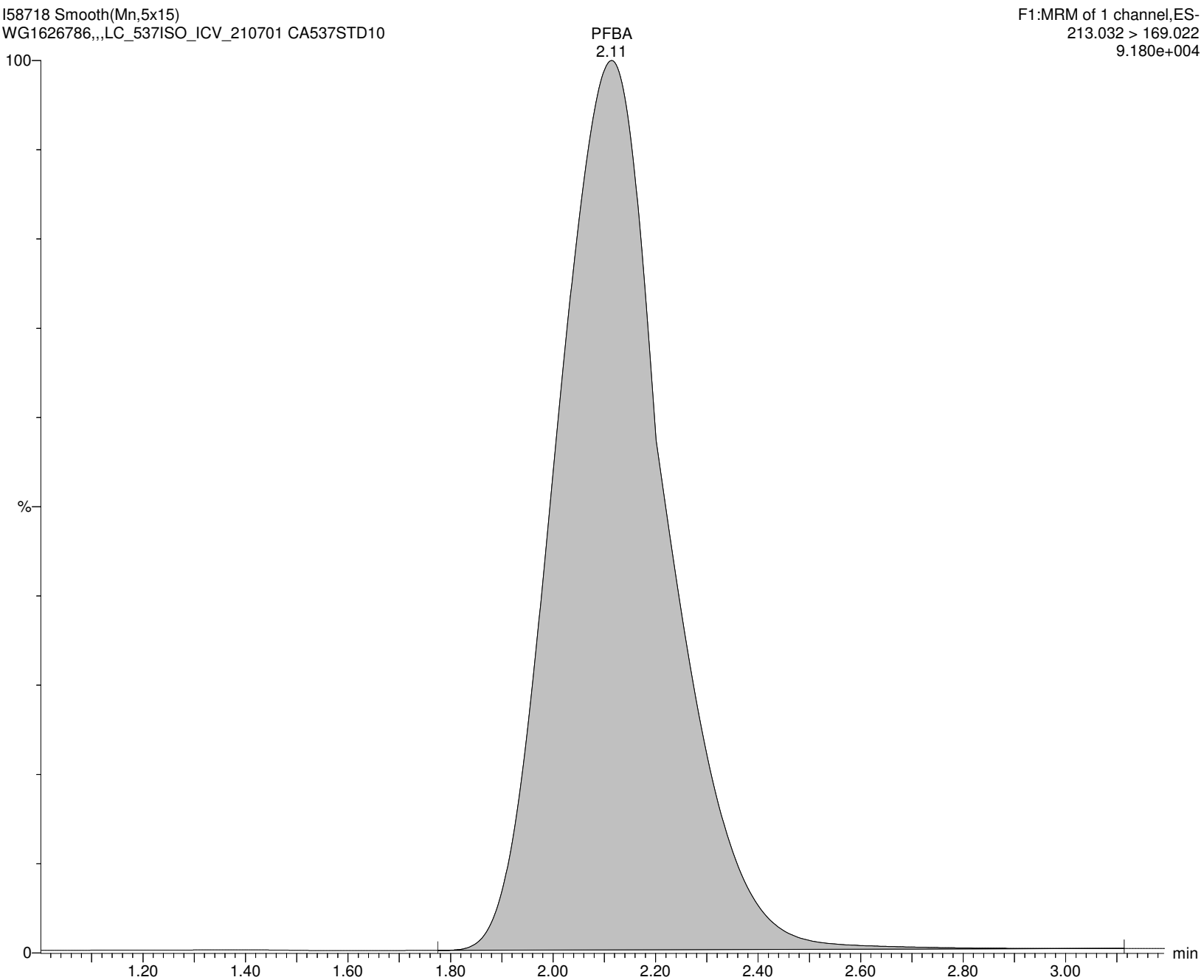
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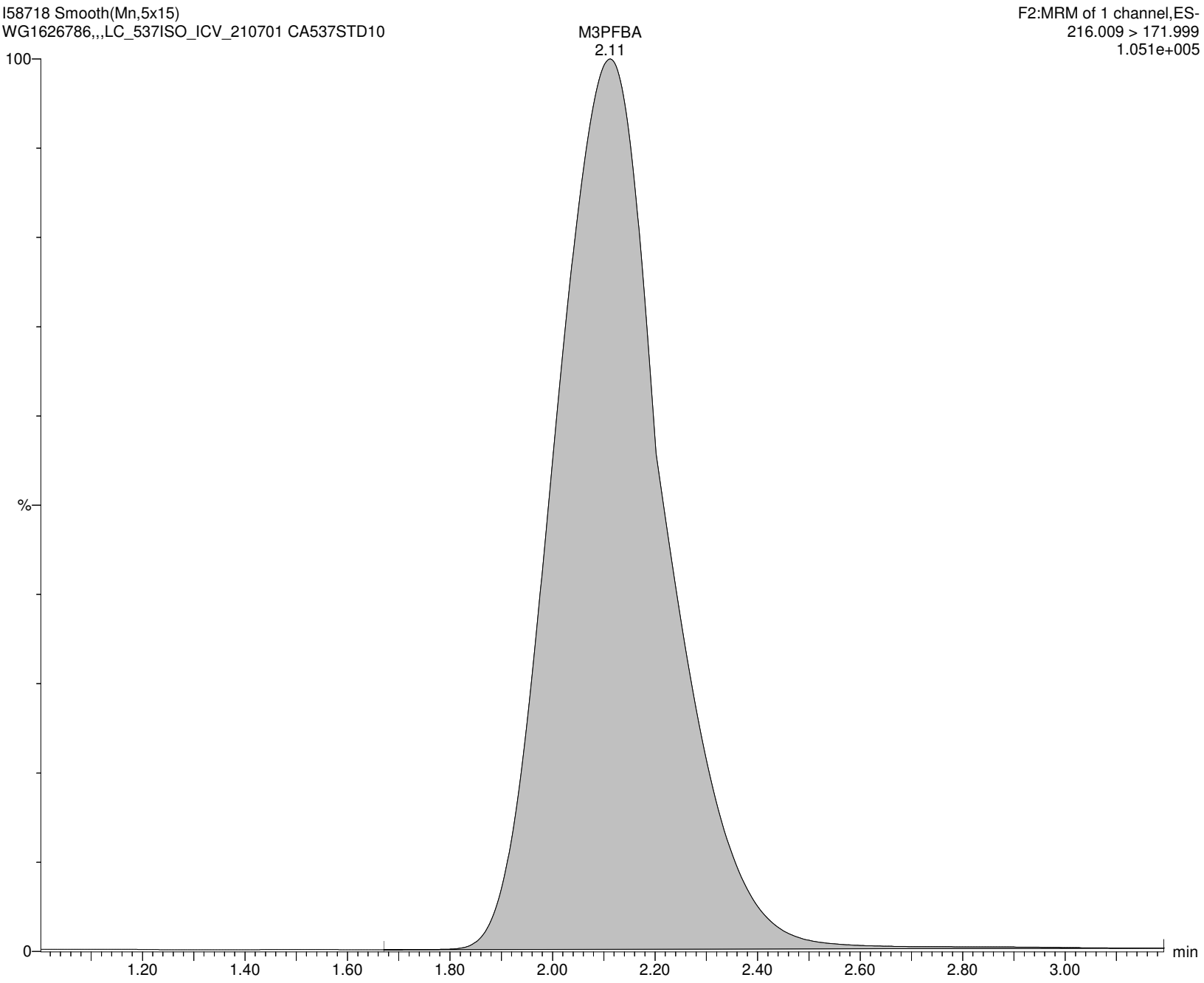


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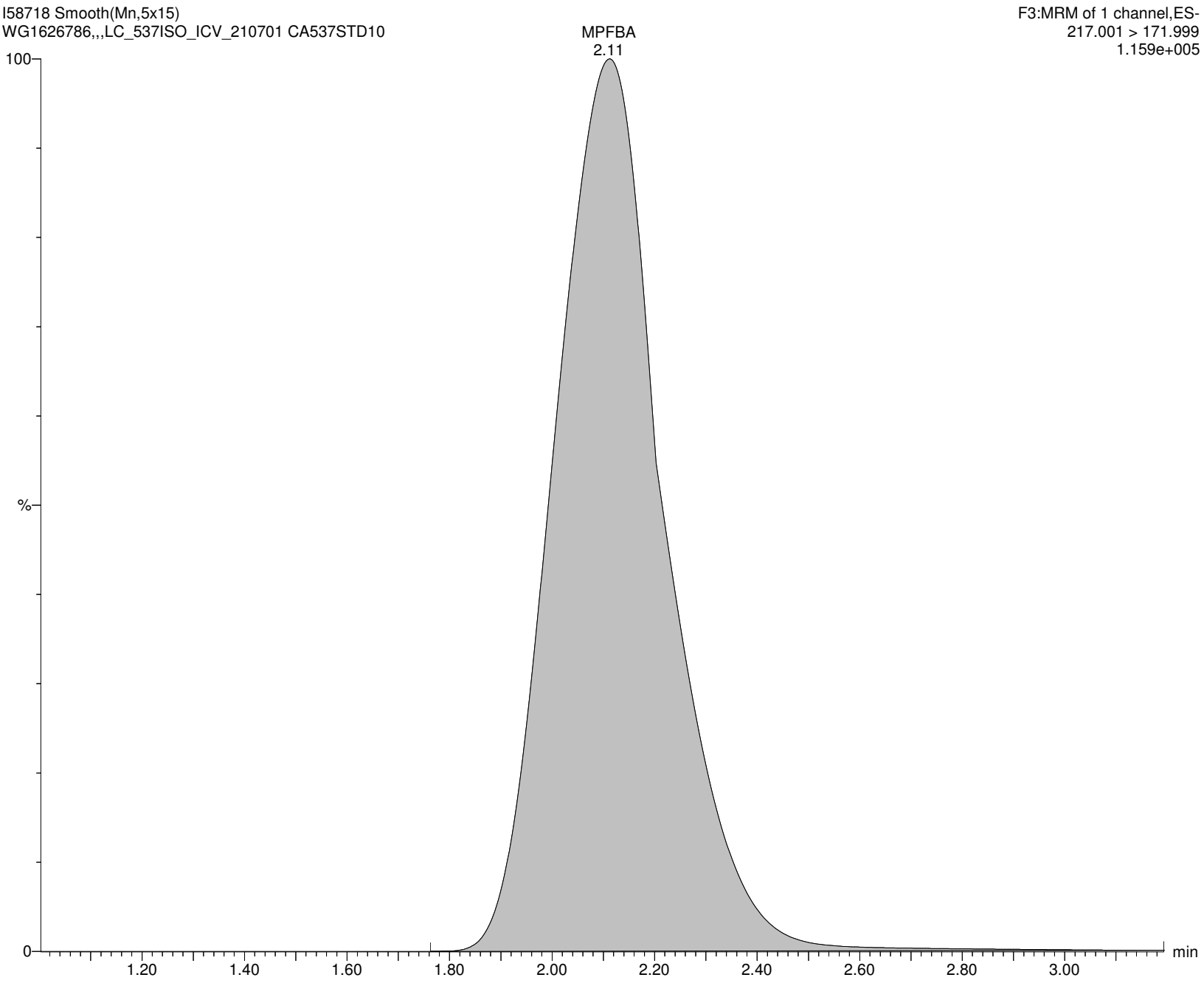


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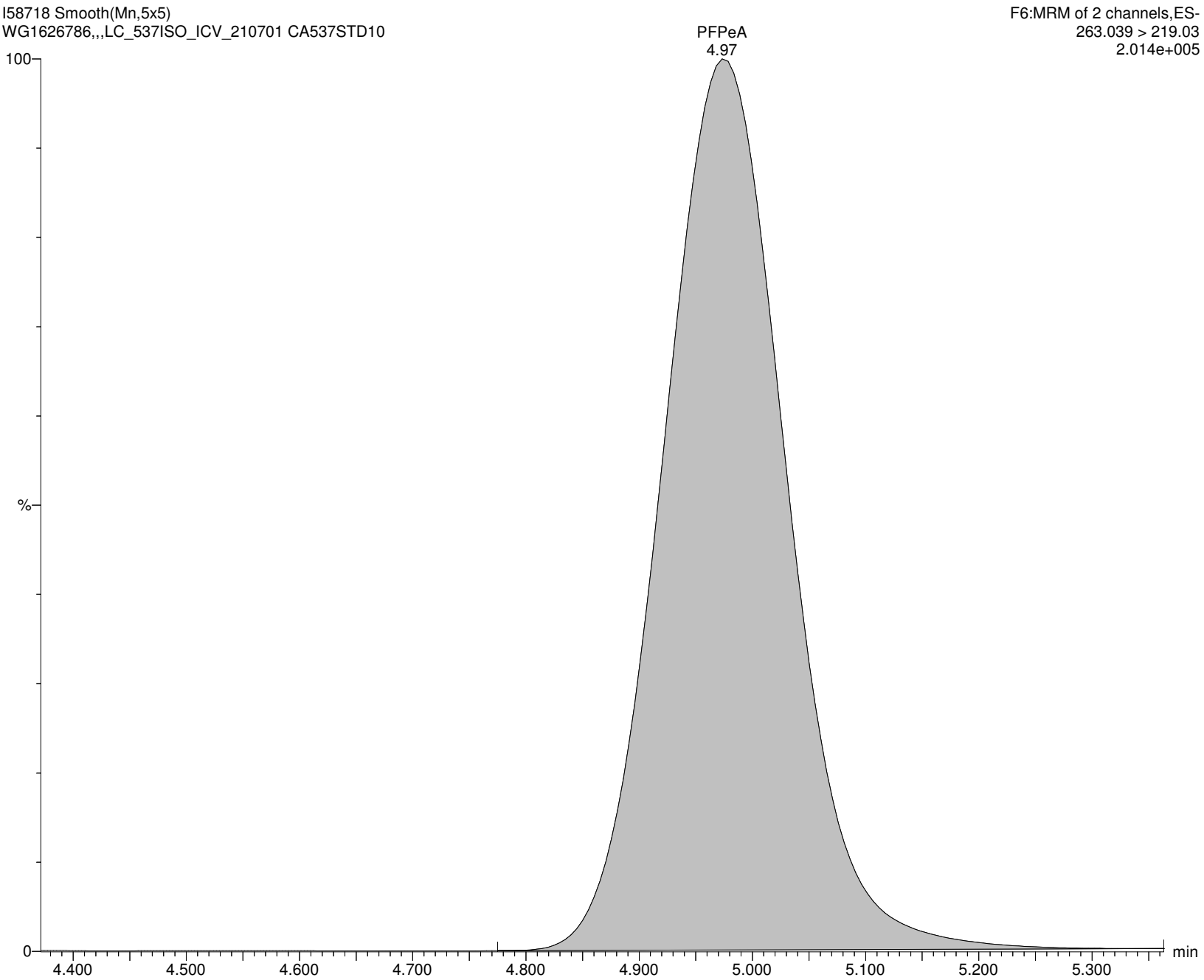


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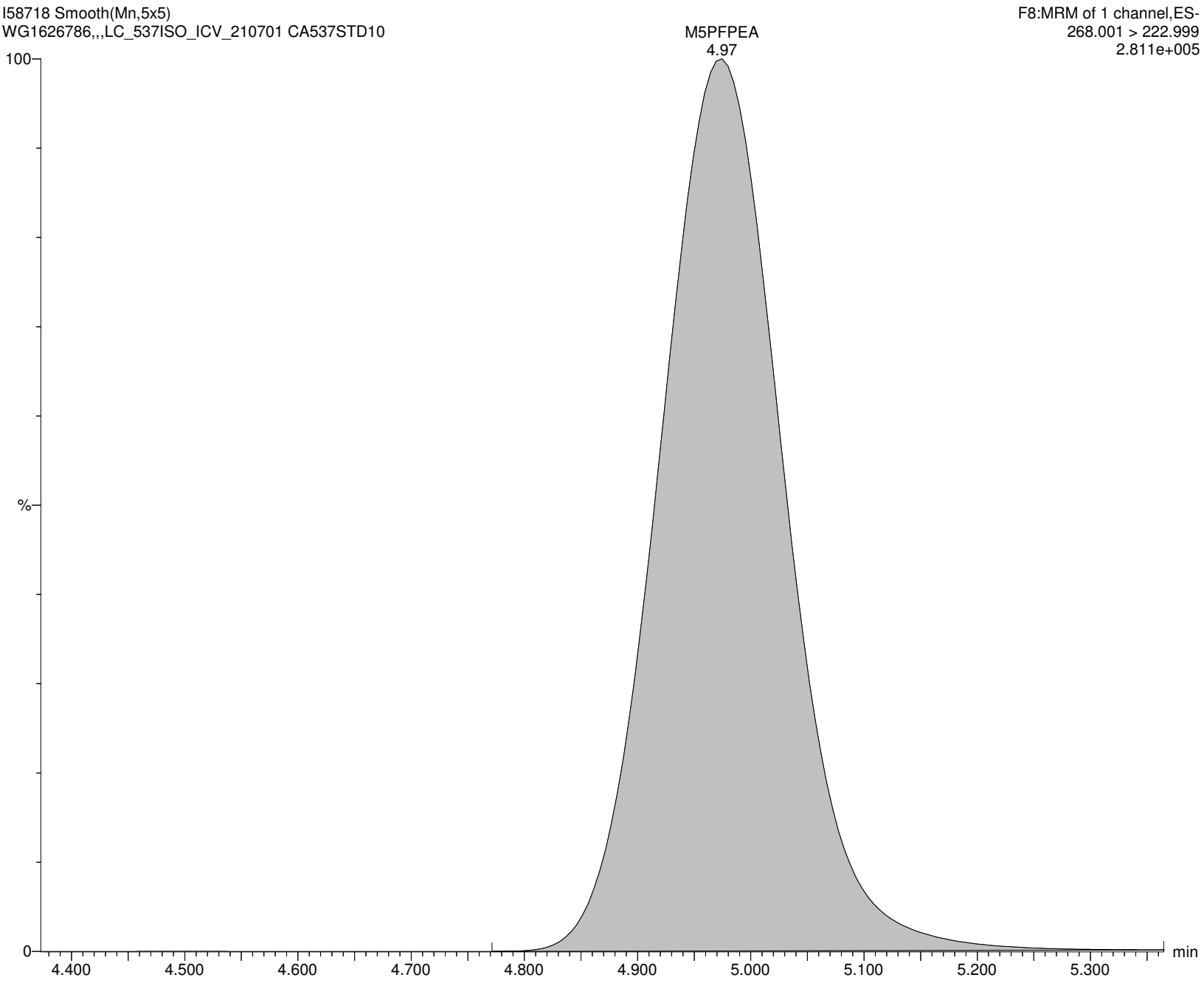


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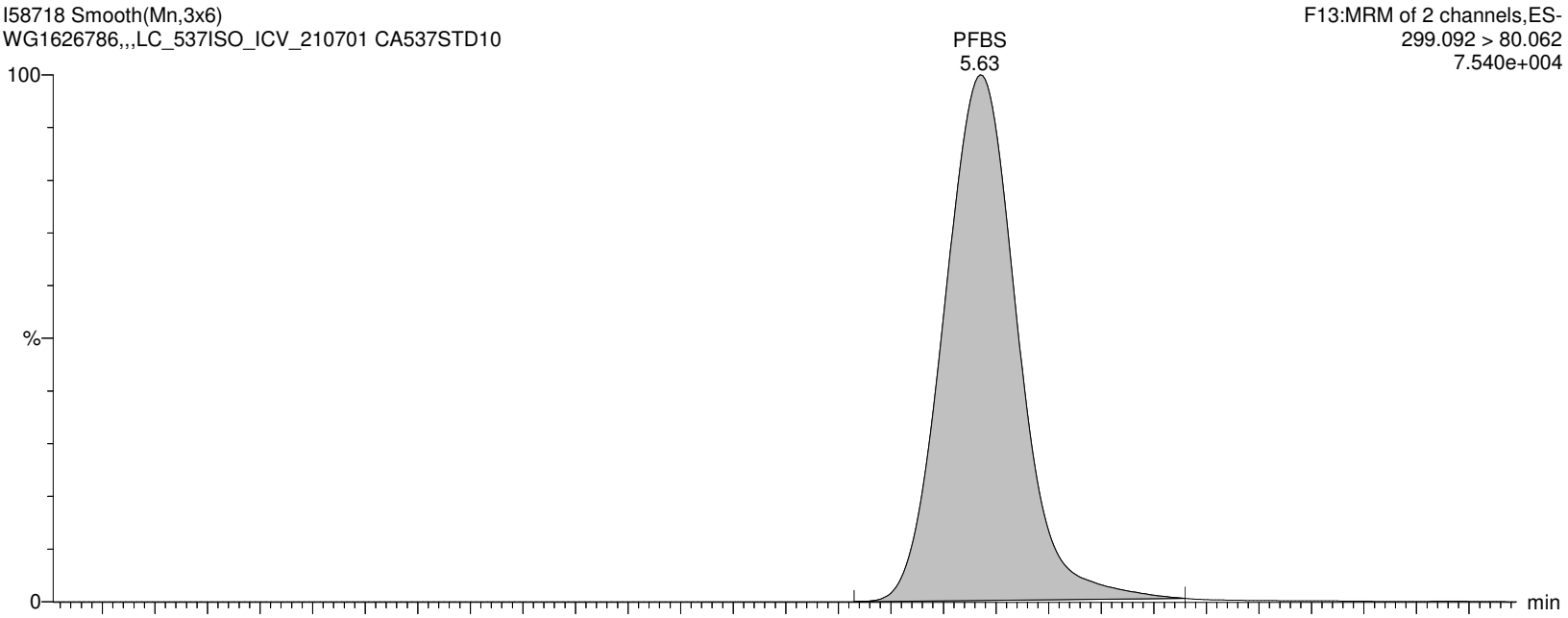


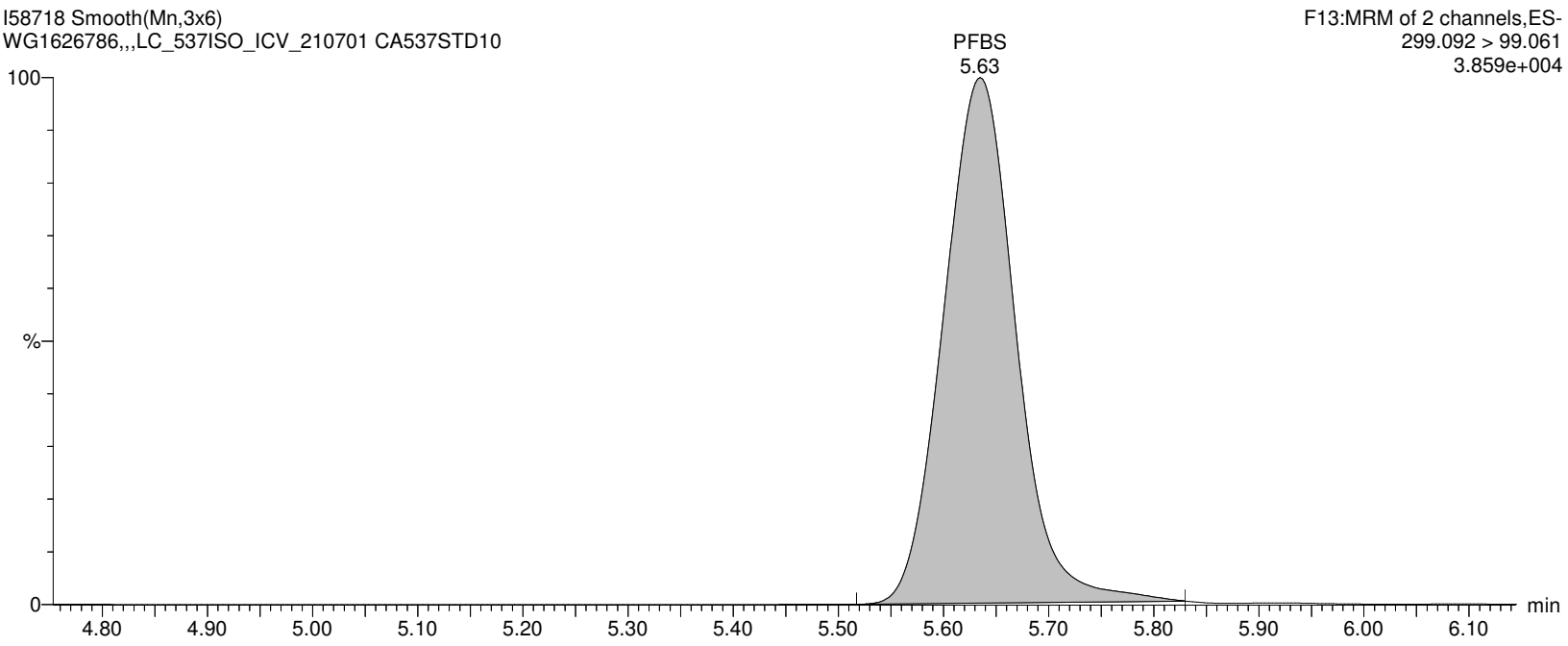
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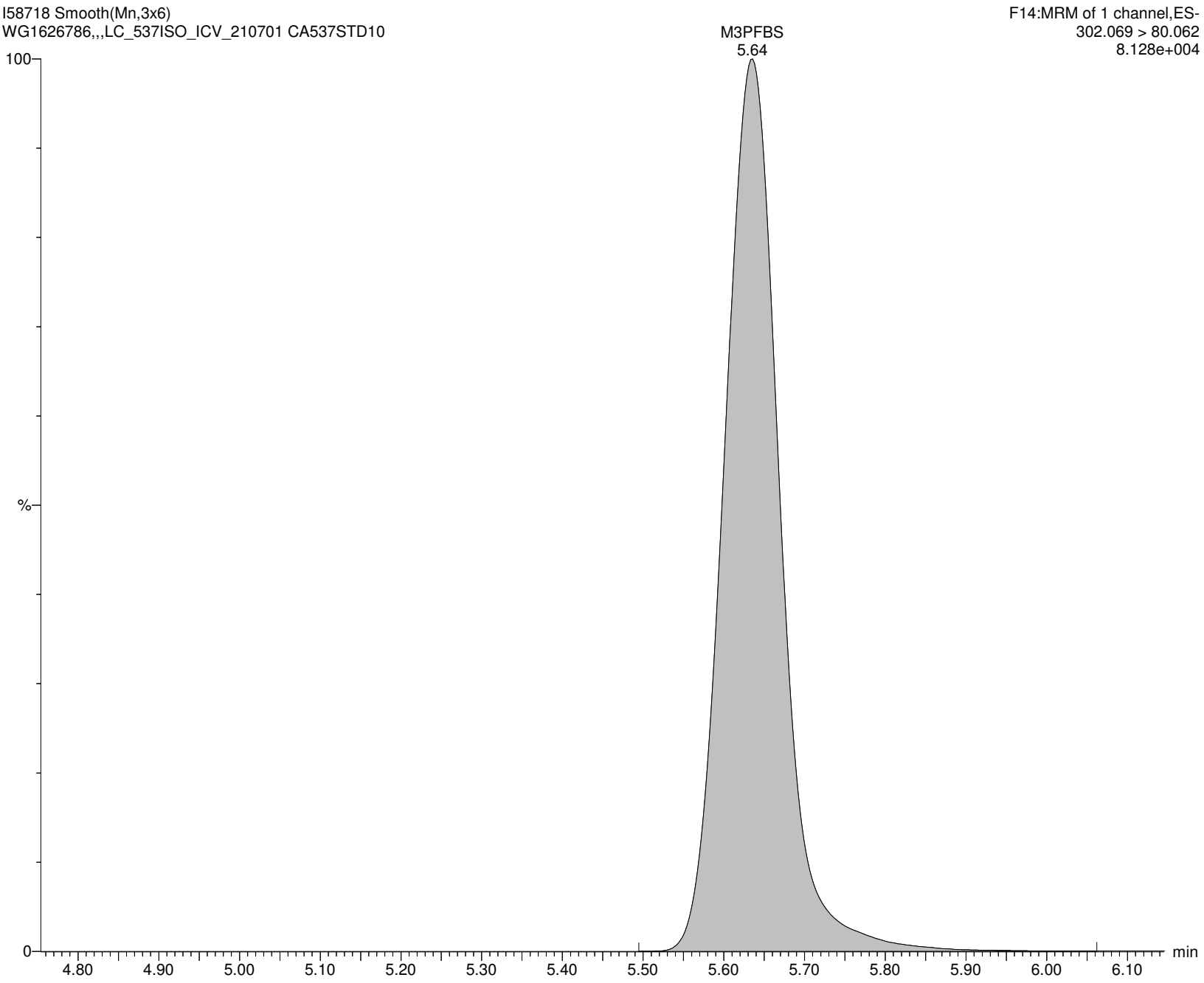


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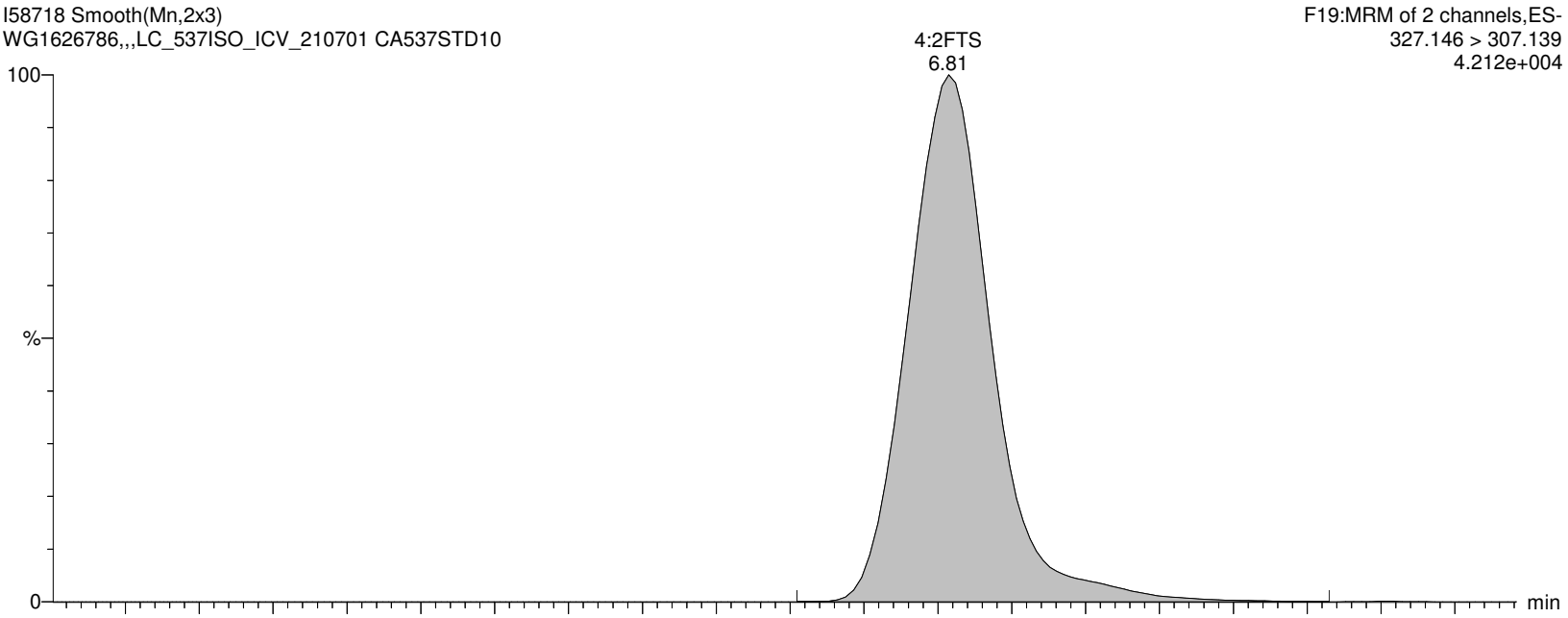


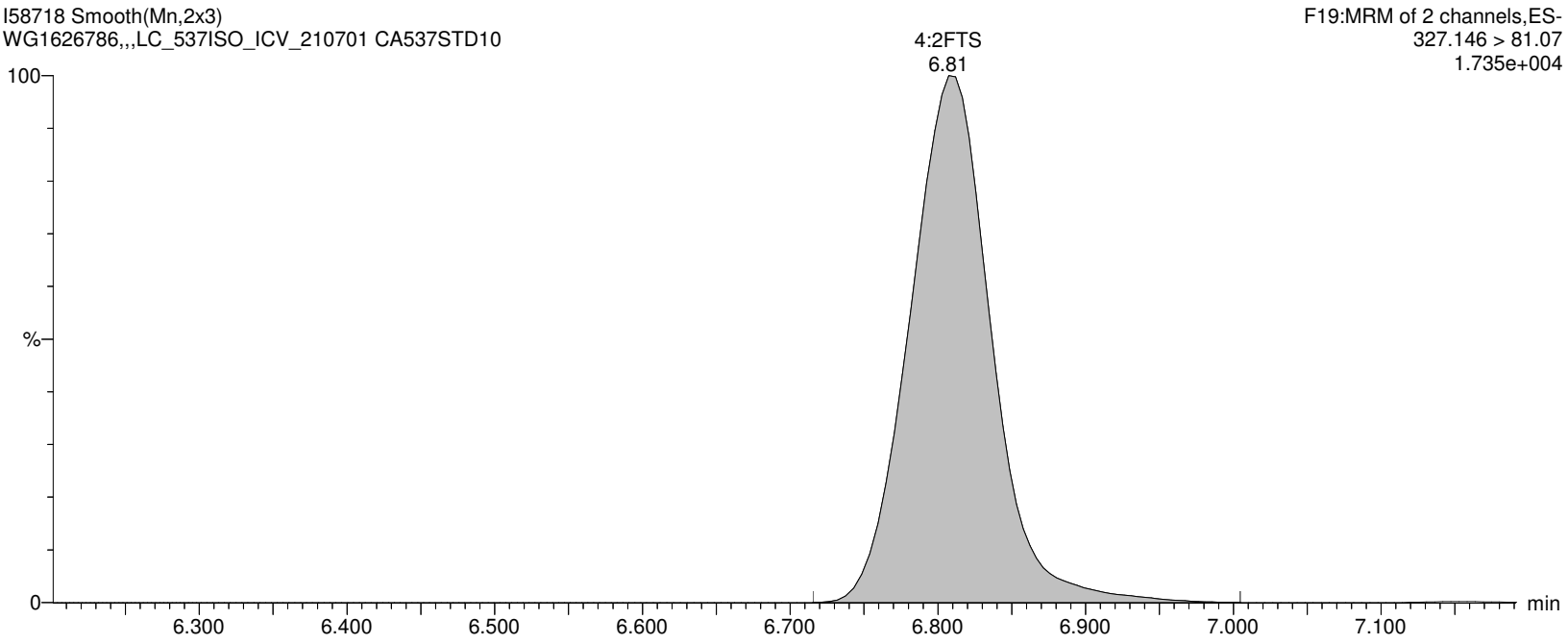
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4:2FTS



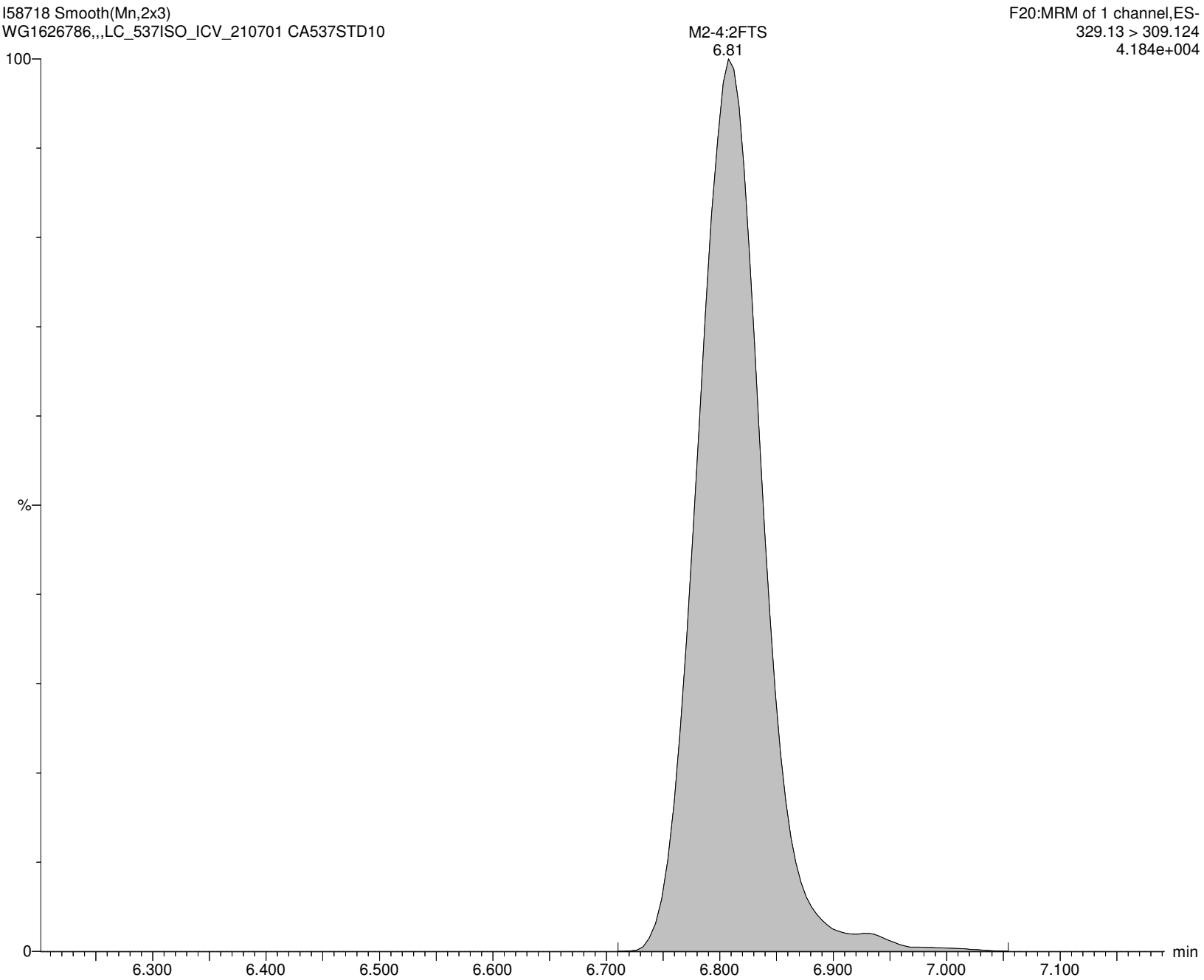


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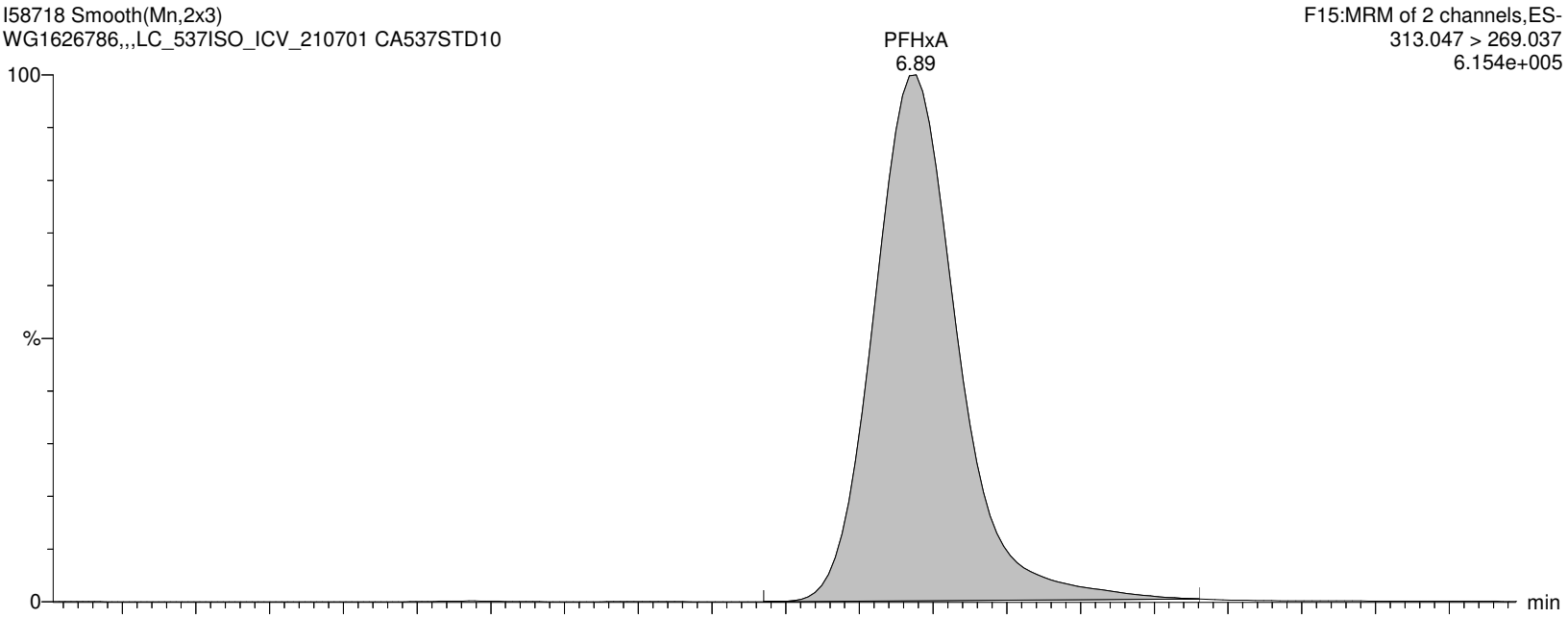


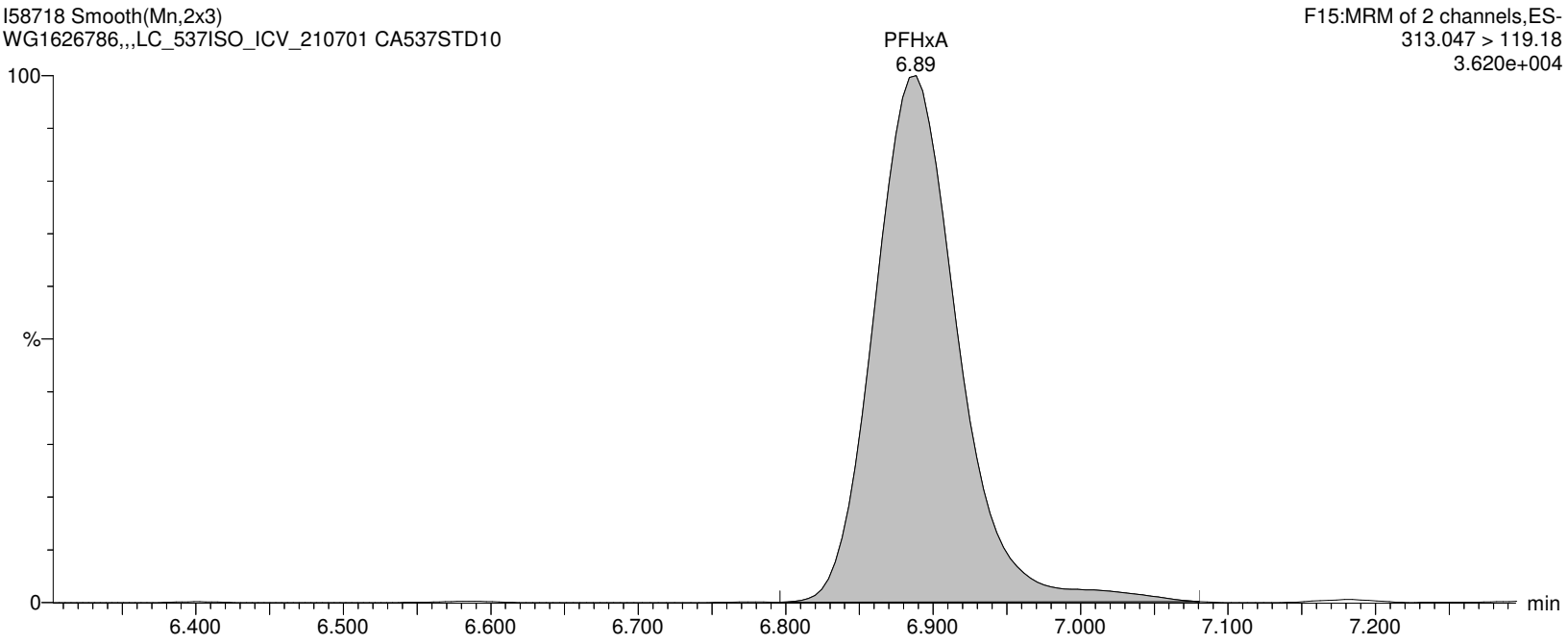
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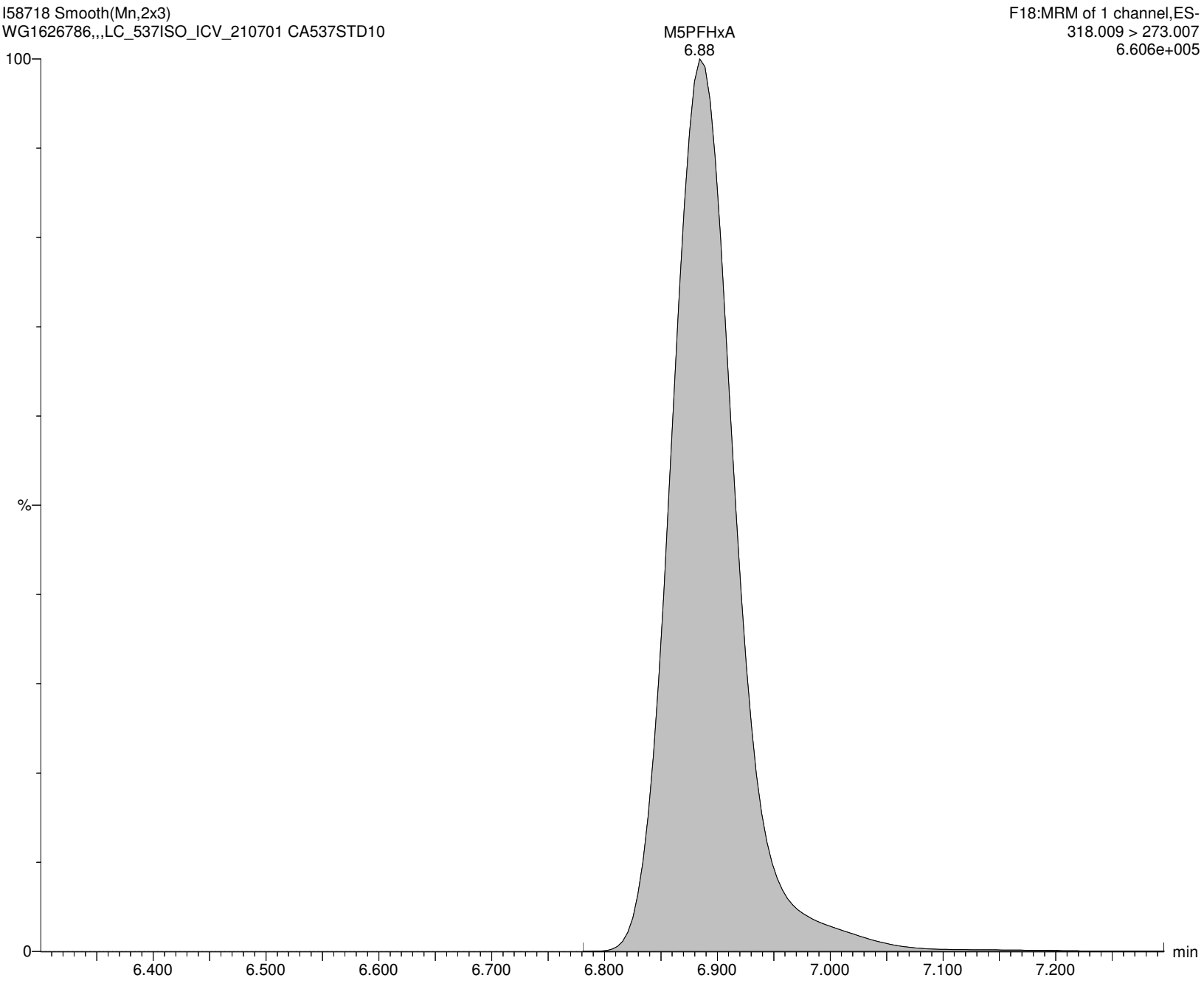


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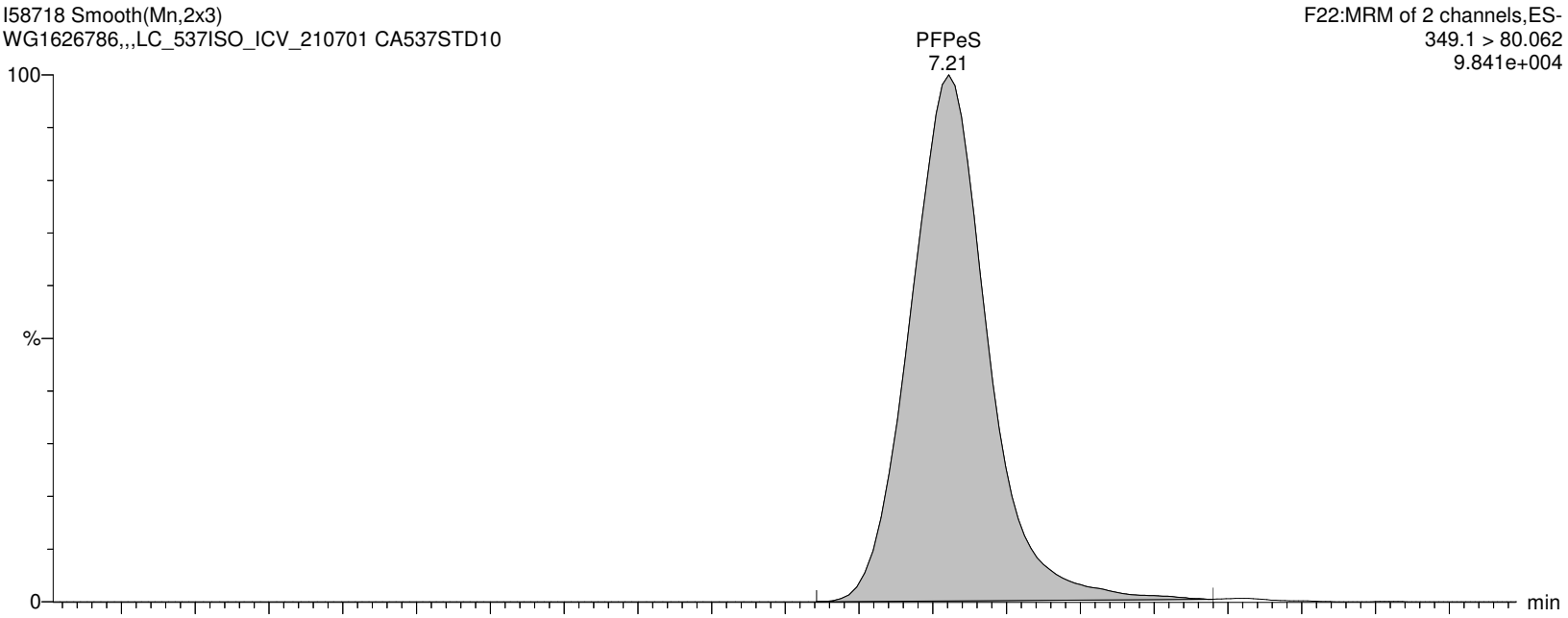


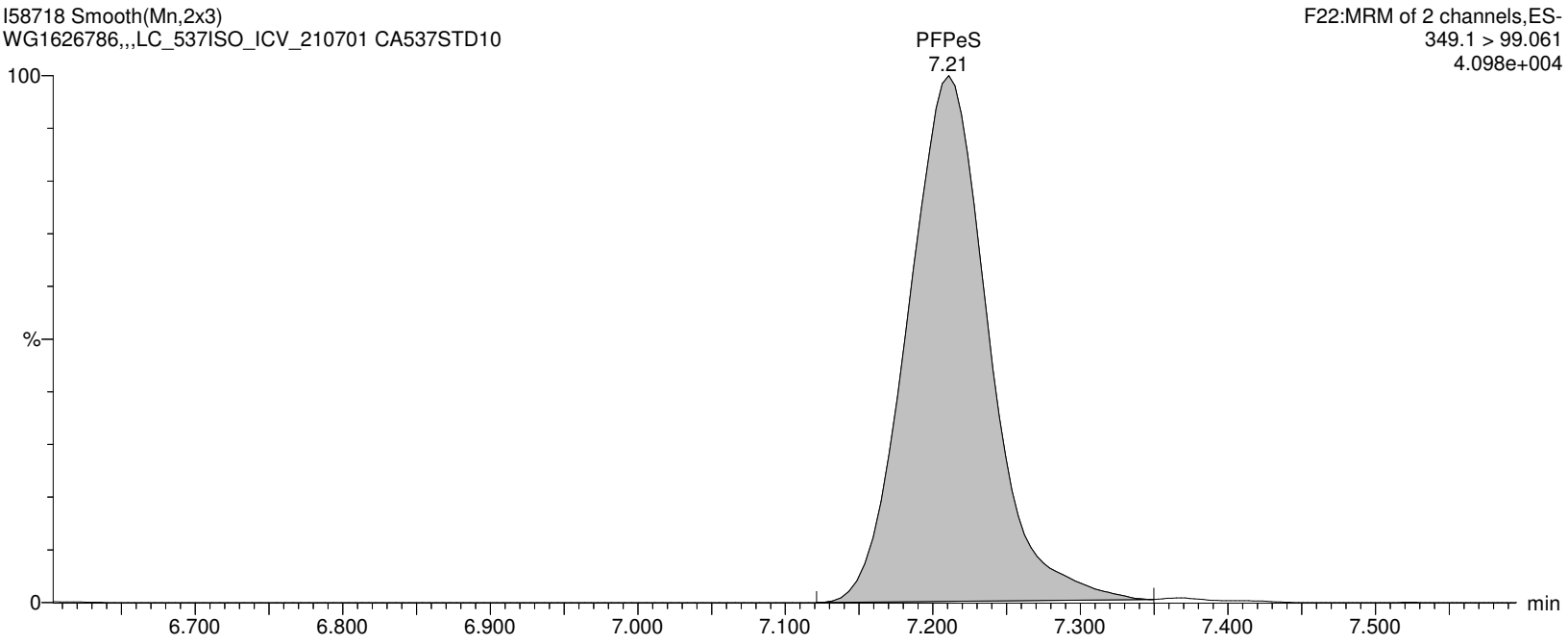
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
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User: LCMS02:MP
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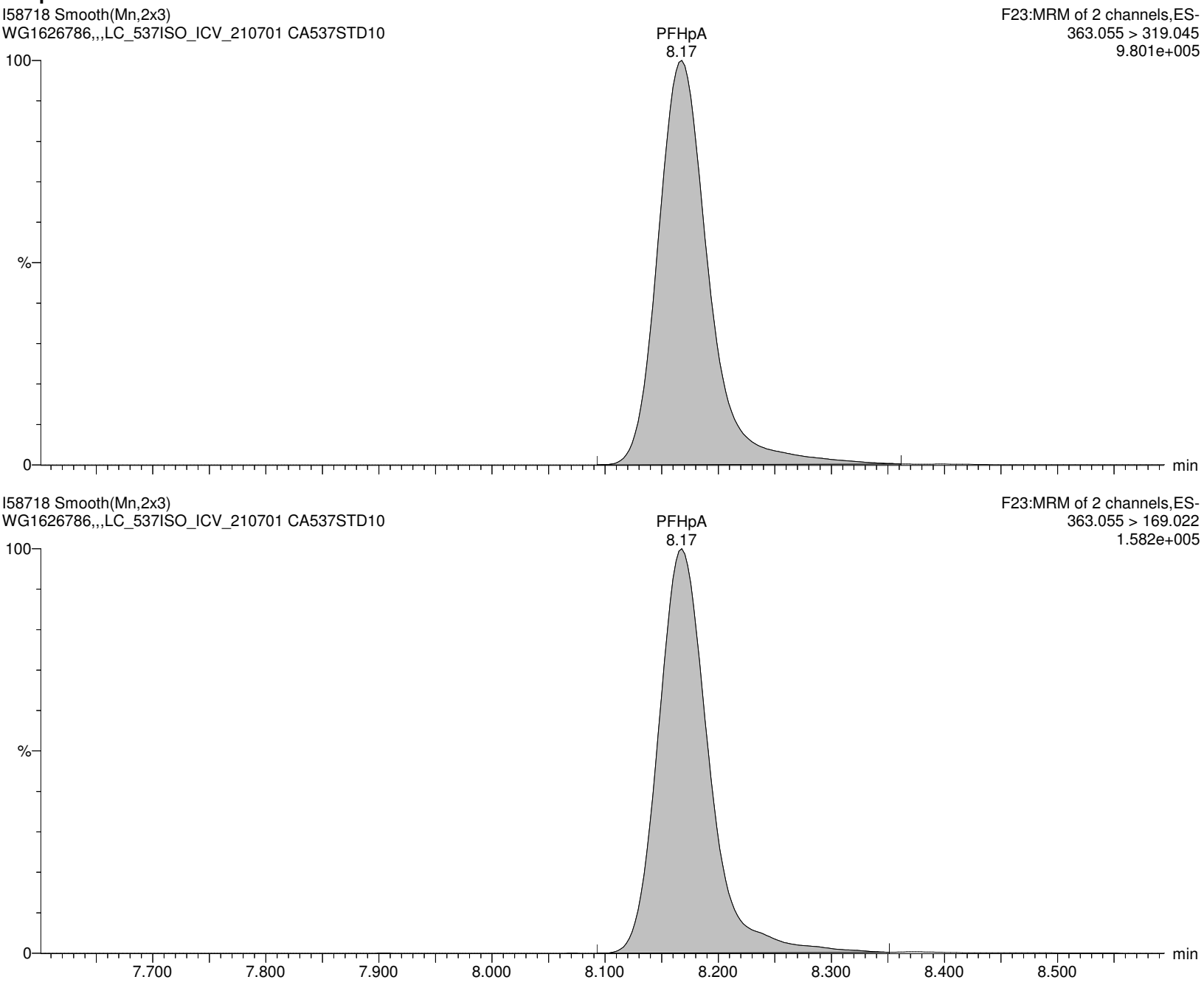


all concentration units in (ng/mL)

Alpha Analytical Inc.
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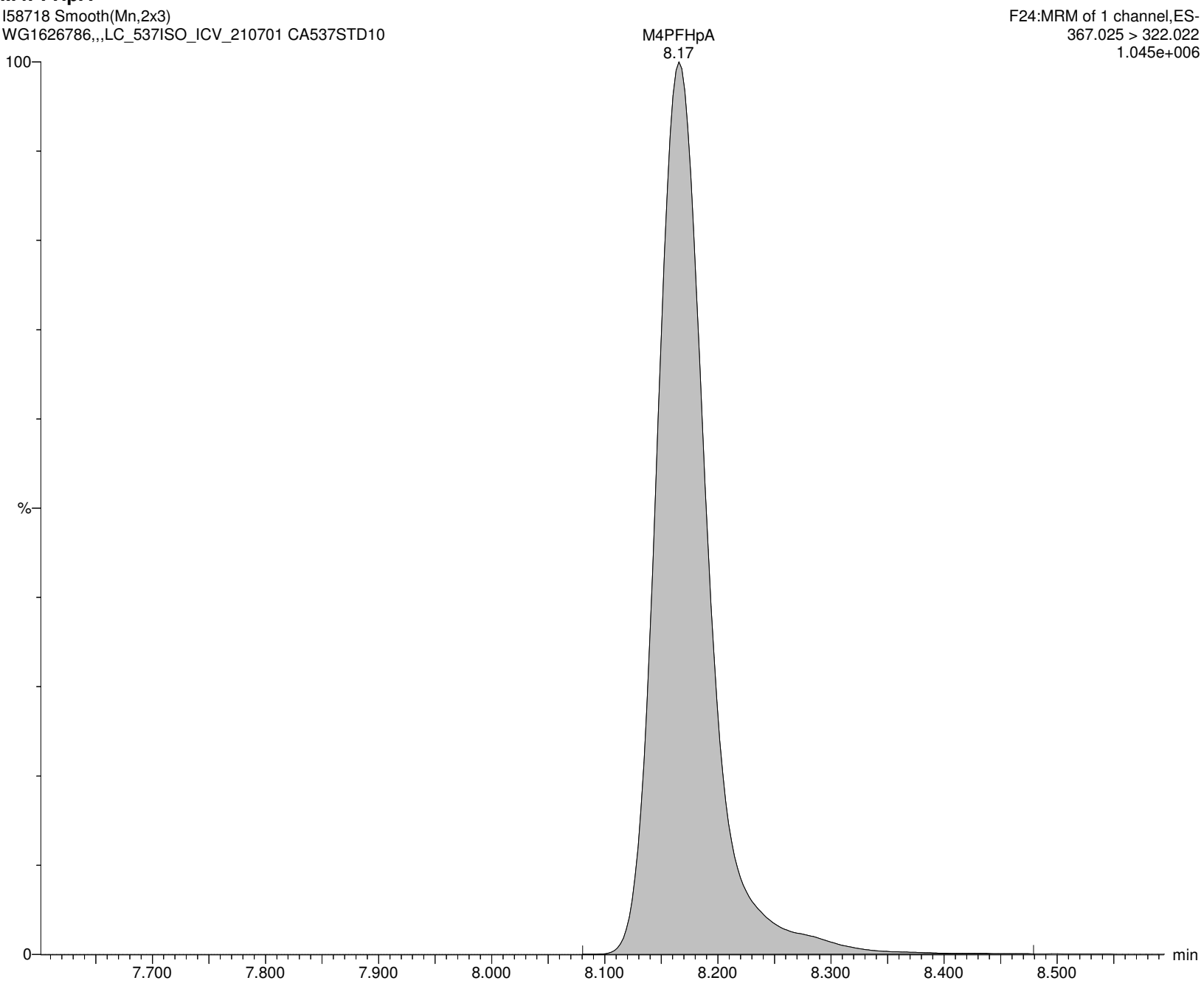


all concentration units in (ng/mL)

Alpha Analytical Inc.
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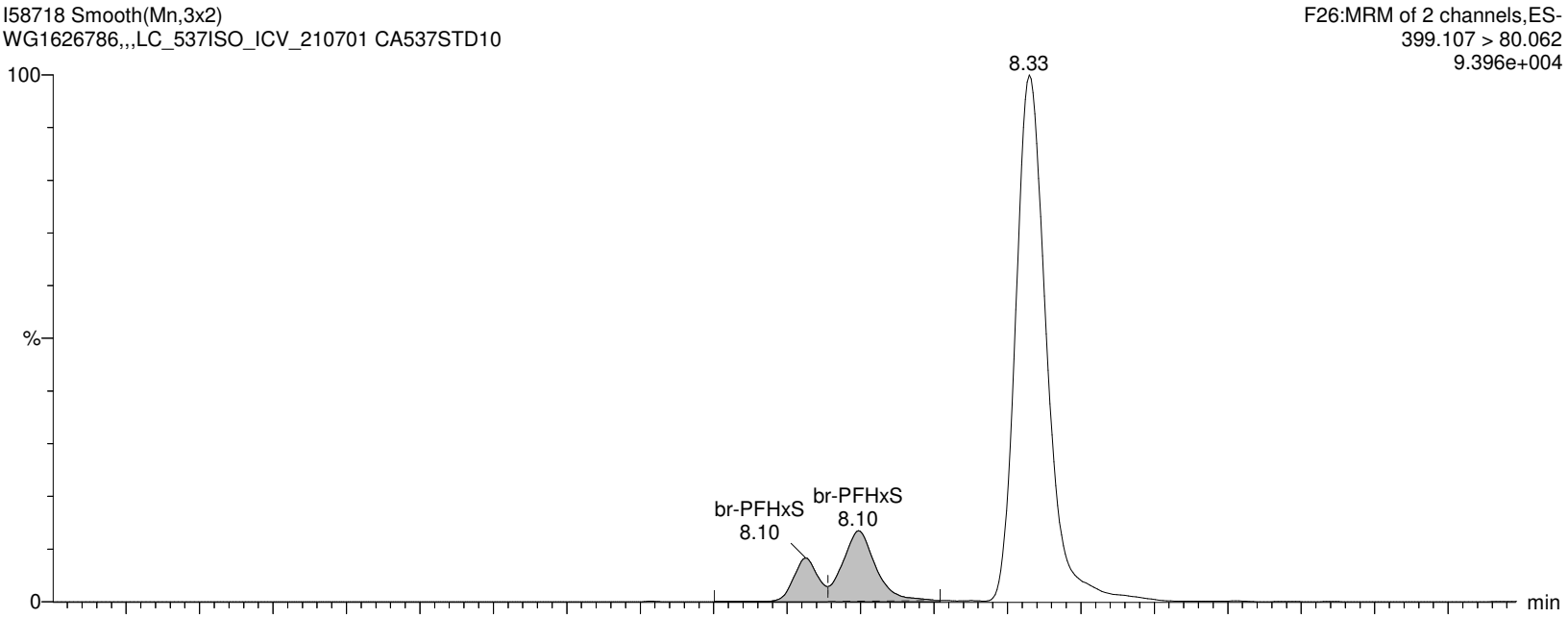


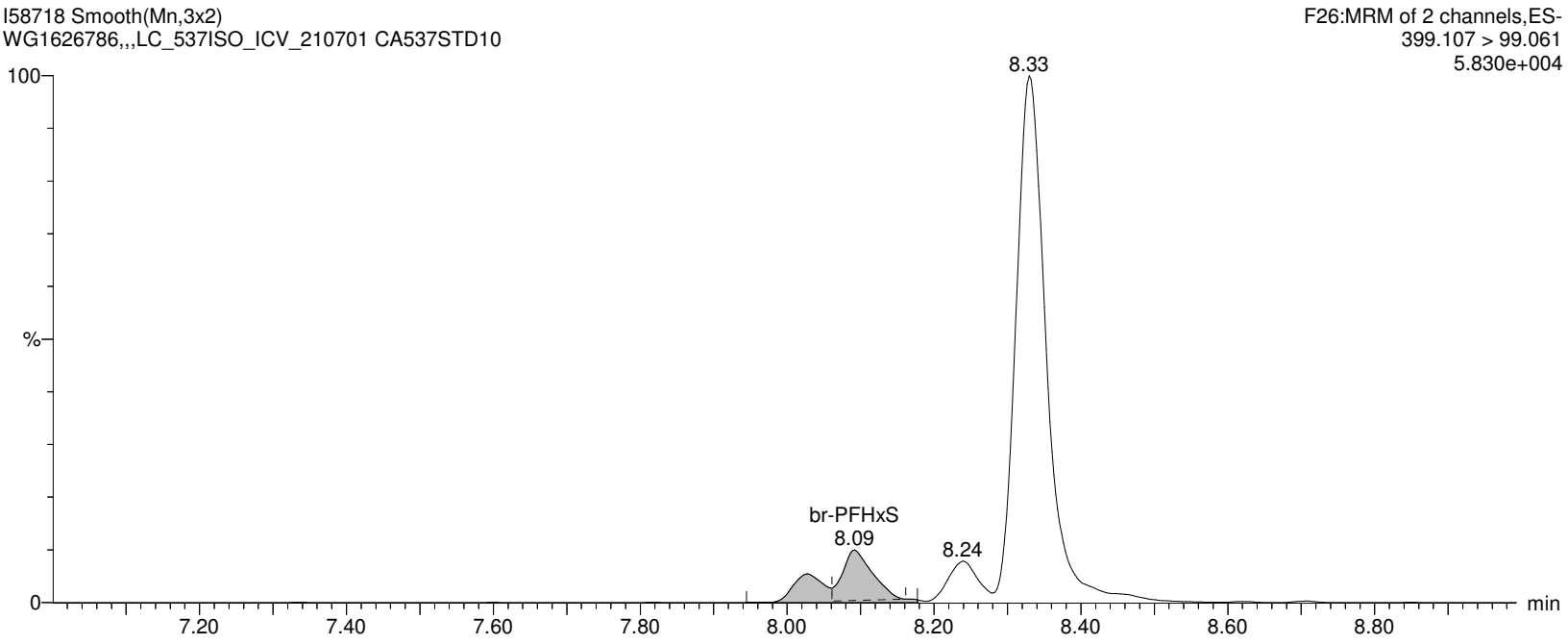
all concentration units in (ng/mL)

Alpha Analytical Inc.
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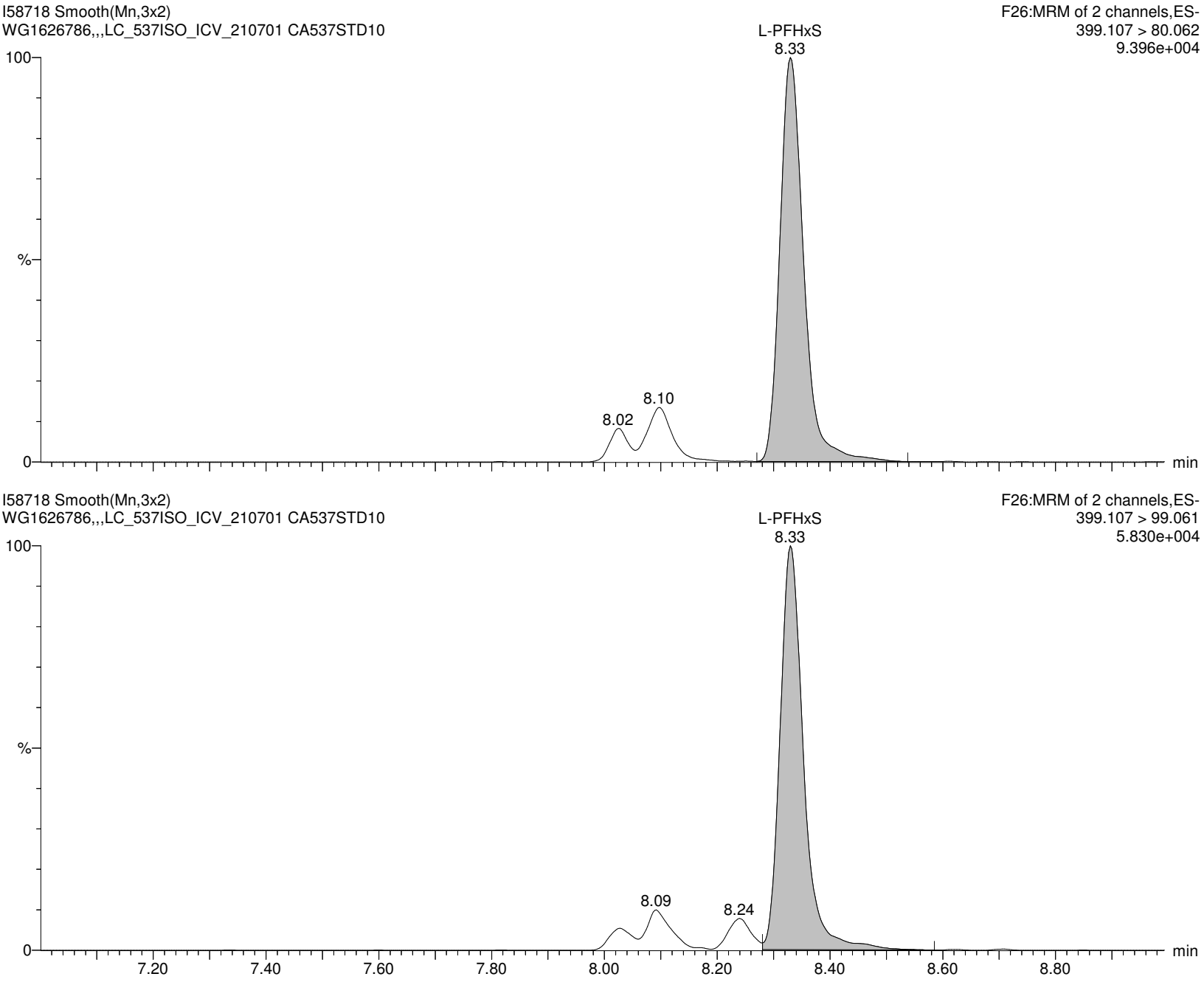


all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS

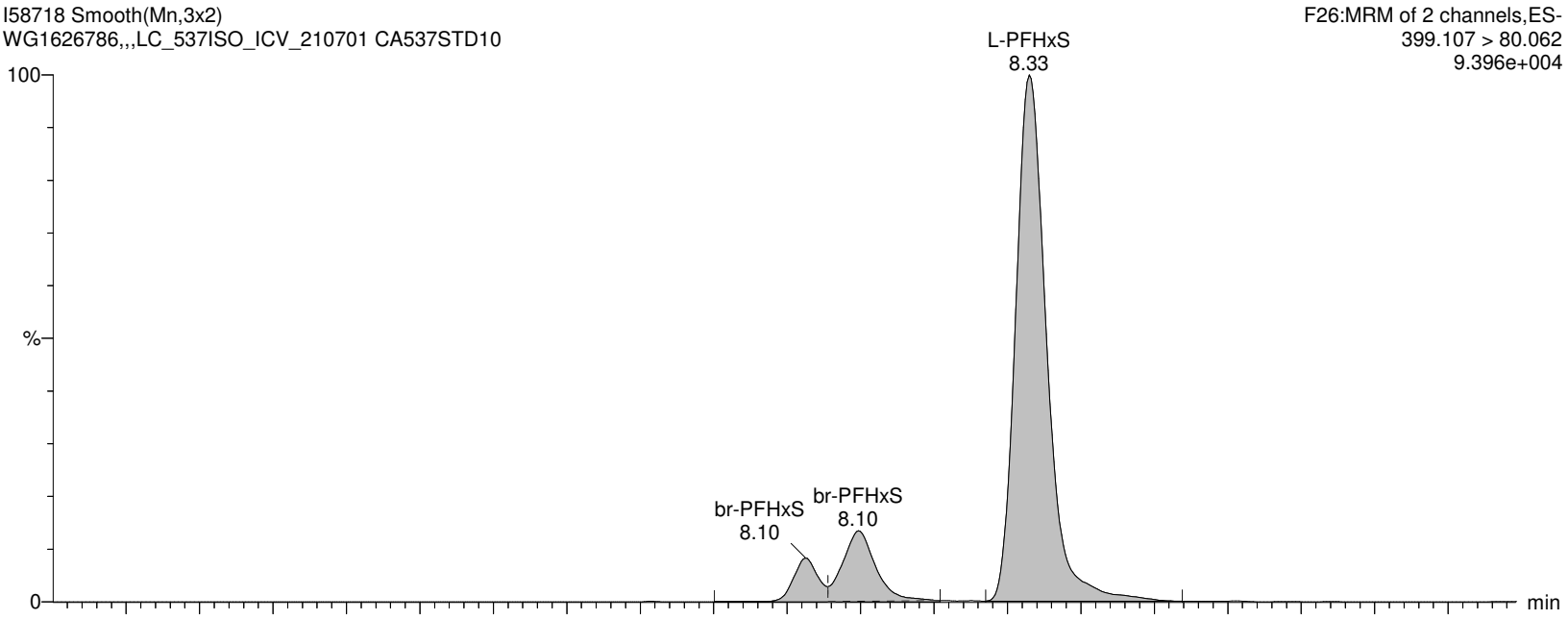


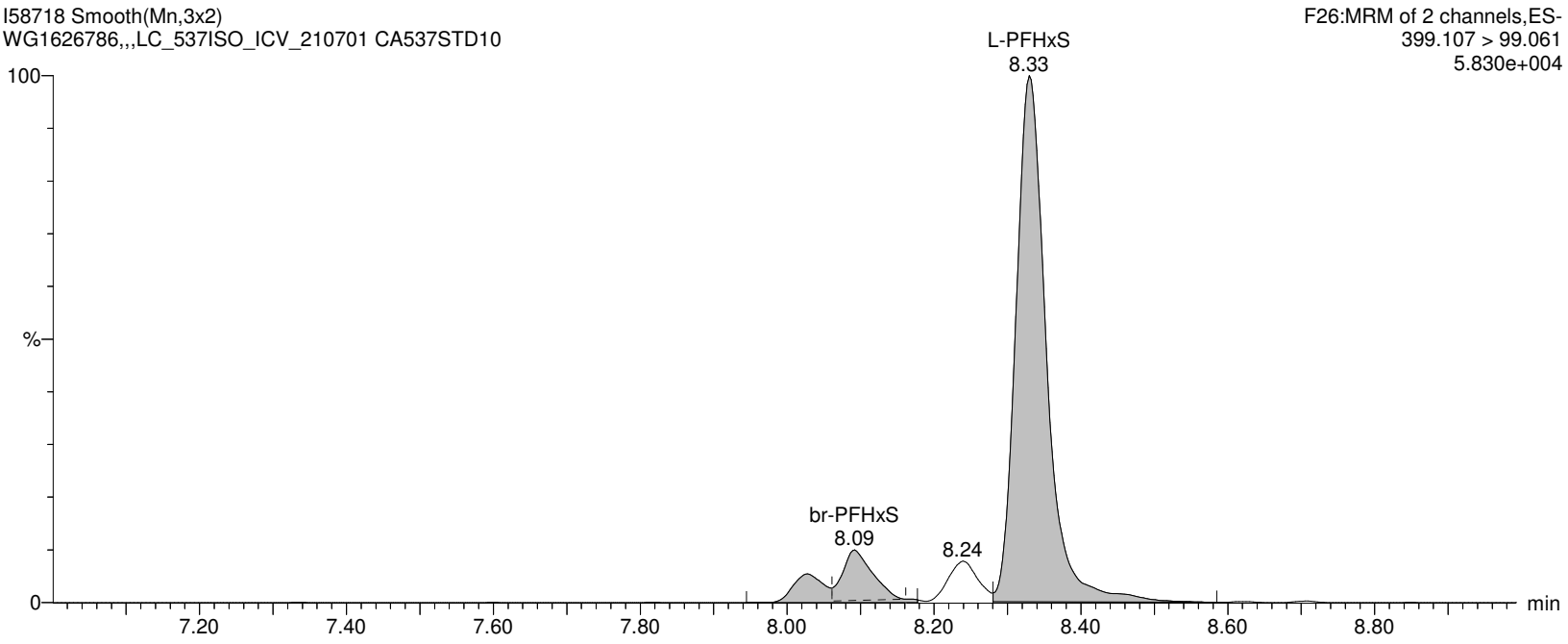
all concentration units in (ng/mL)

Alpha Analytical Inc.
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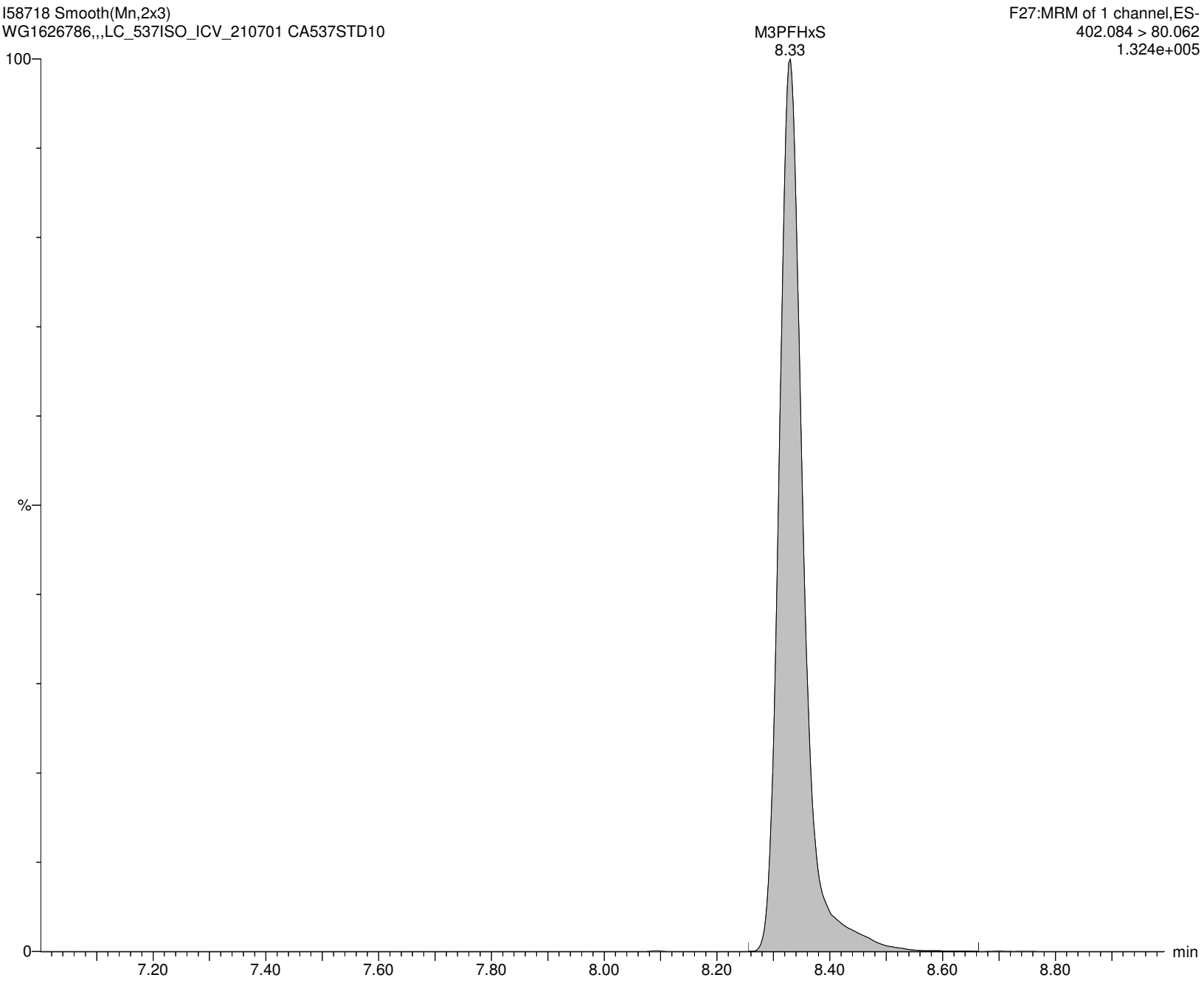


all concentration units in (ng/mL)

Alpha Analytical Inc.
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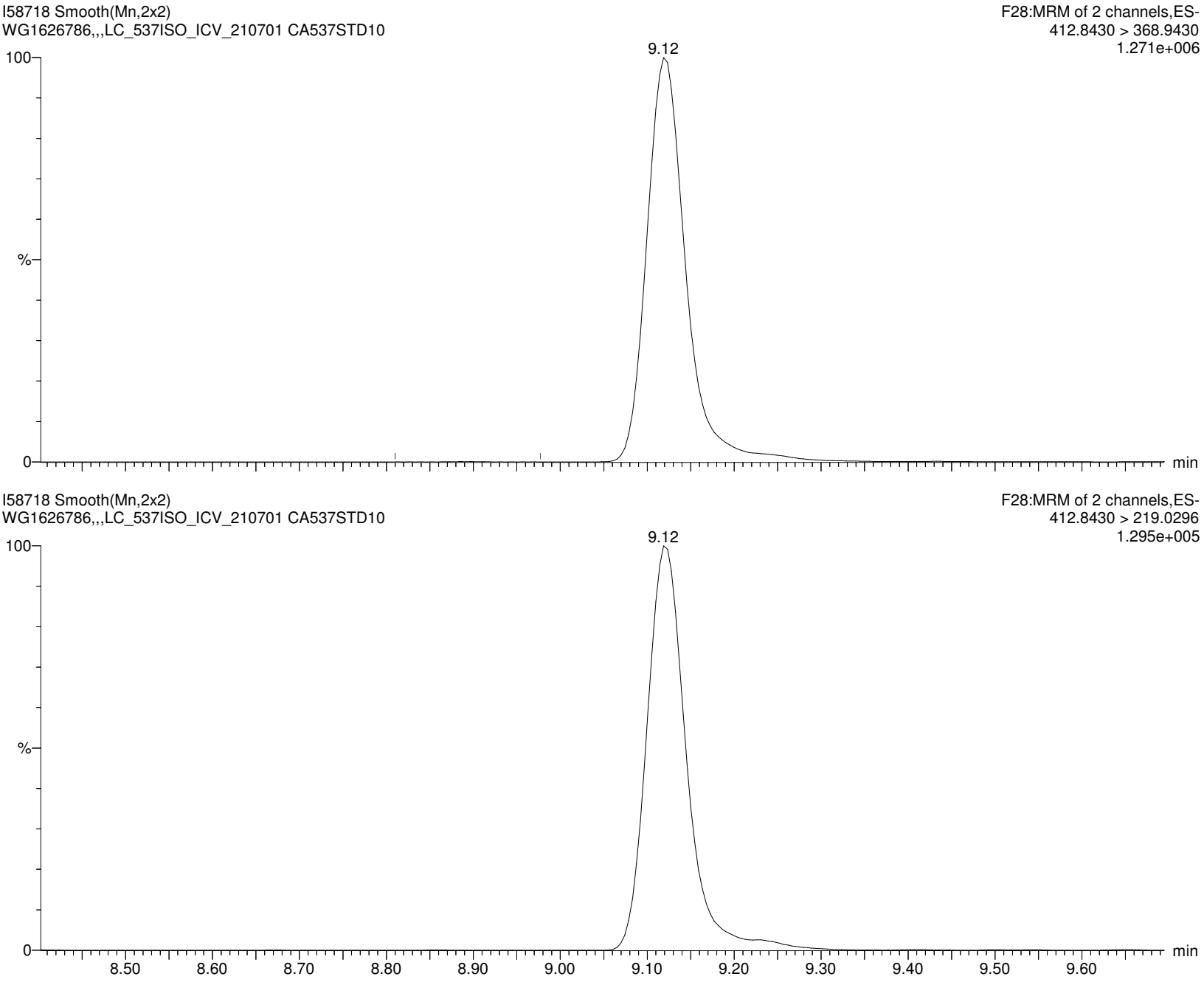


all concentration units in (ng/mL)

Alpha Analytical Inc.
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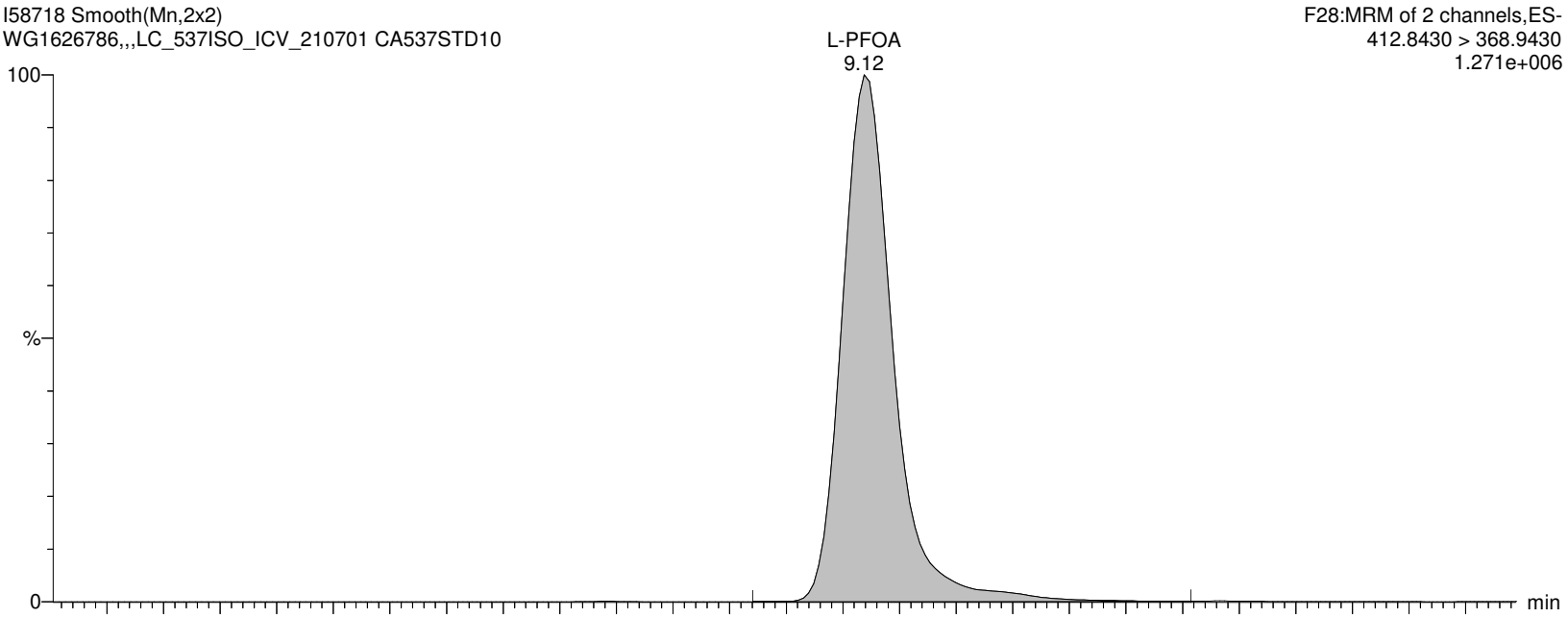


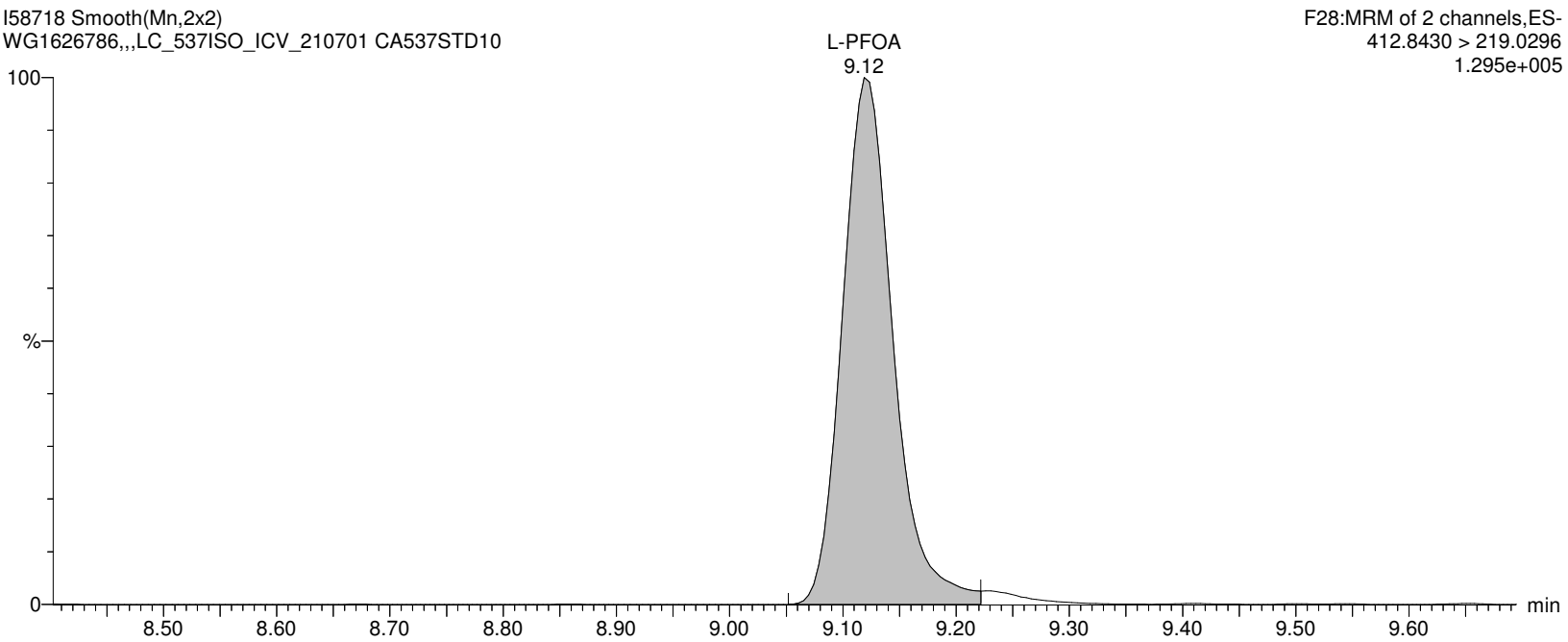
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFOA



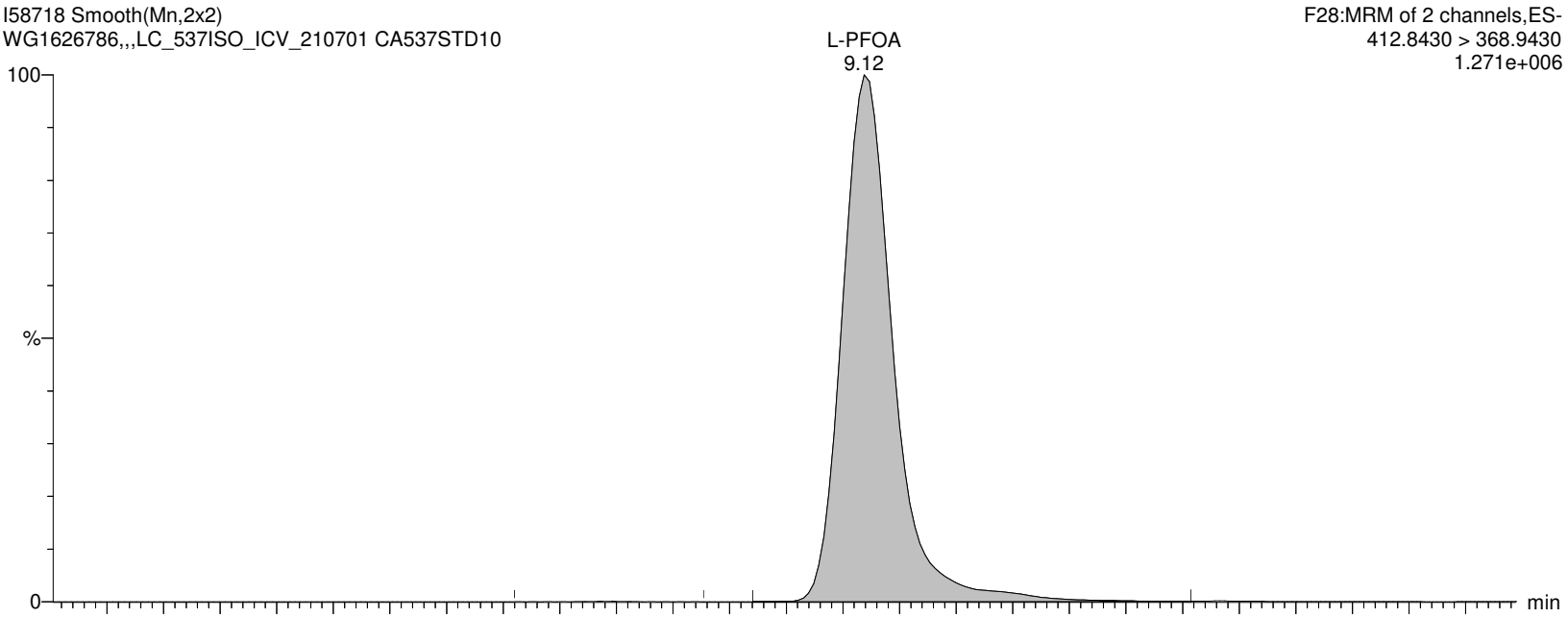


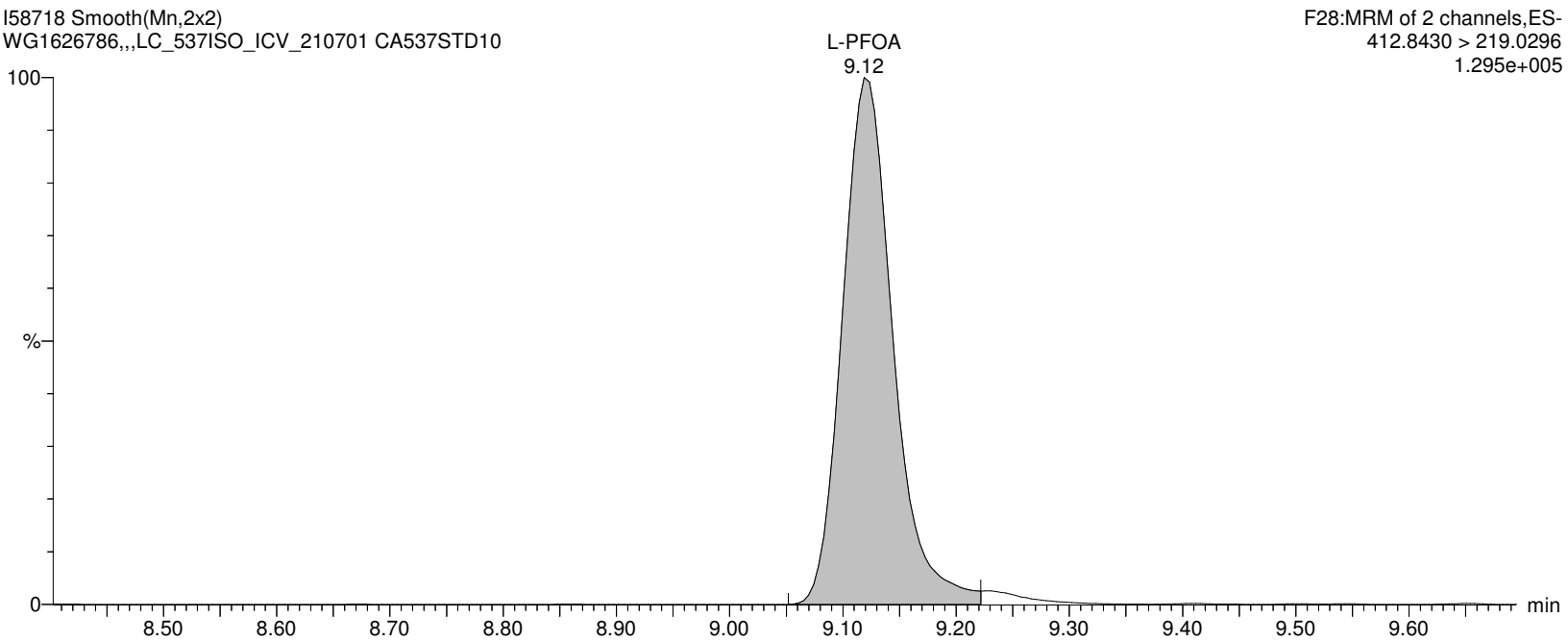
all concentration units in (ng/mL)

Alpha Analytical Inc.
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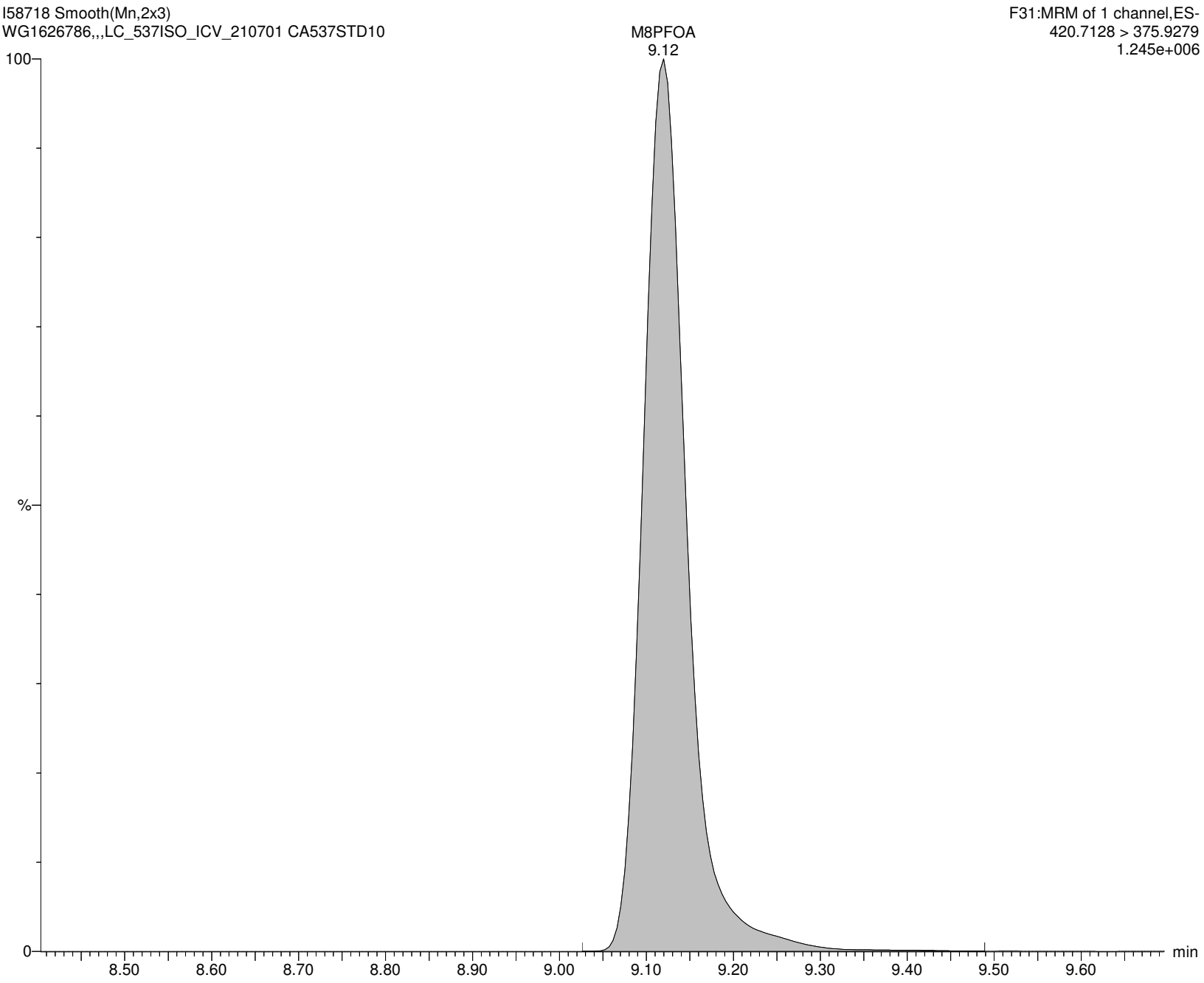


all concentration units in (ng/mL)

Alpha Analytical Inc.
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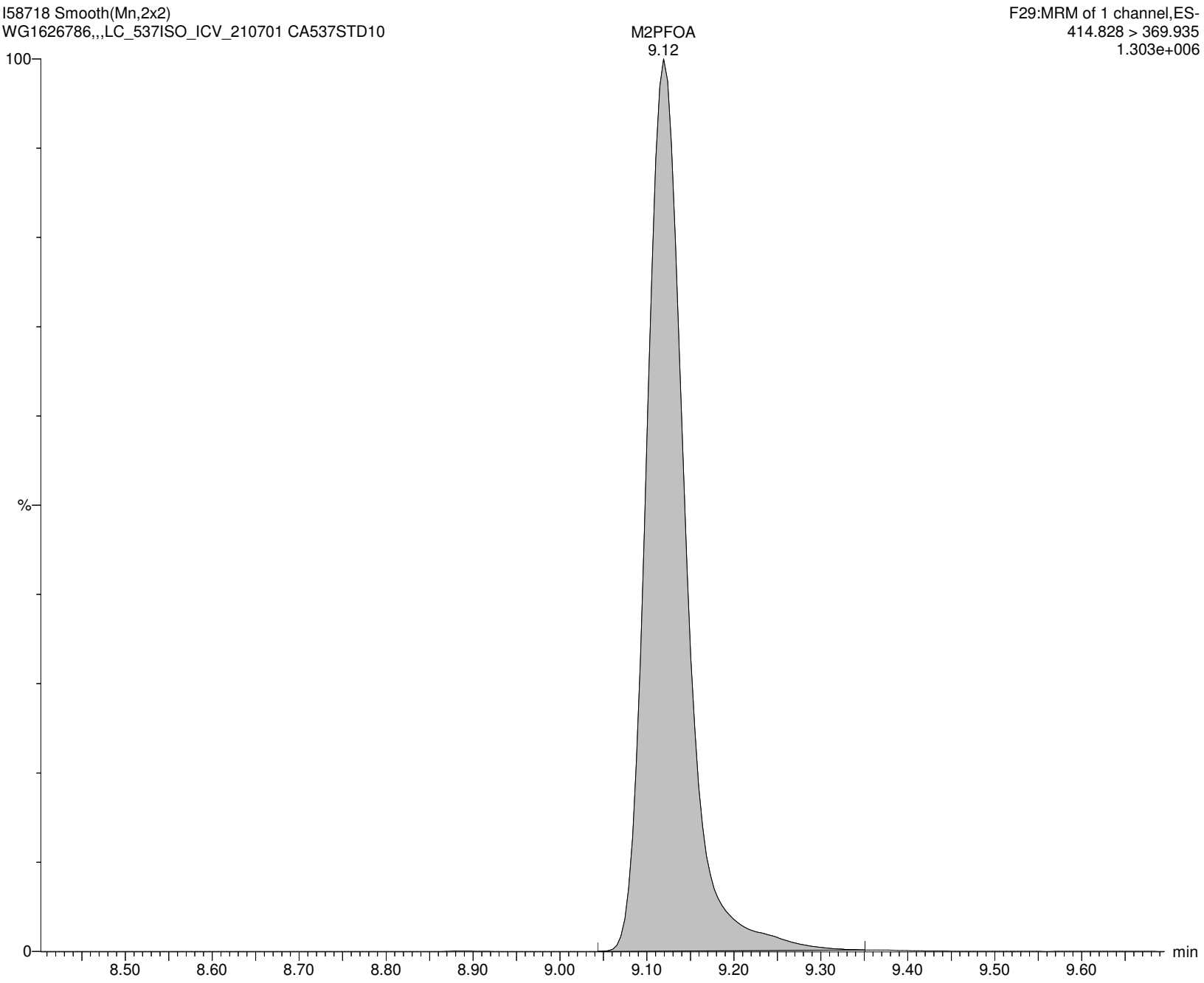


all concentration units in (ng/mL)

Alpha Analytical Inc.
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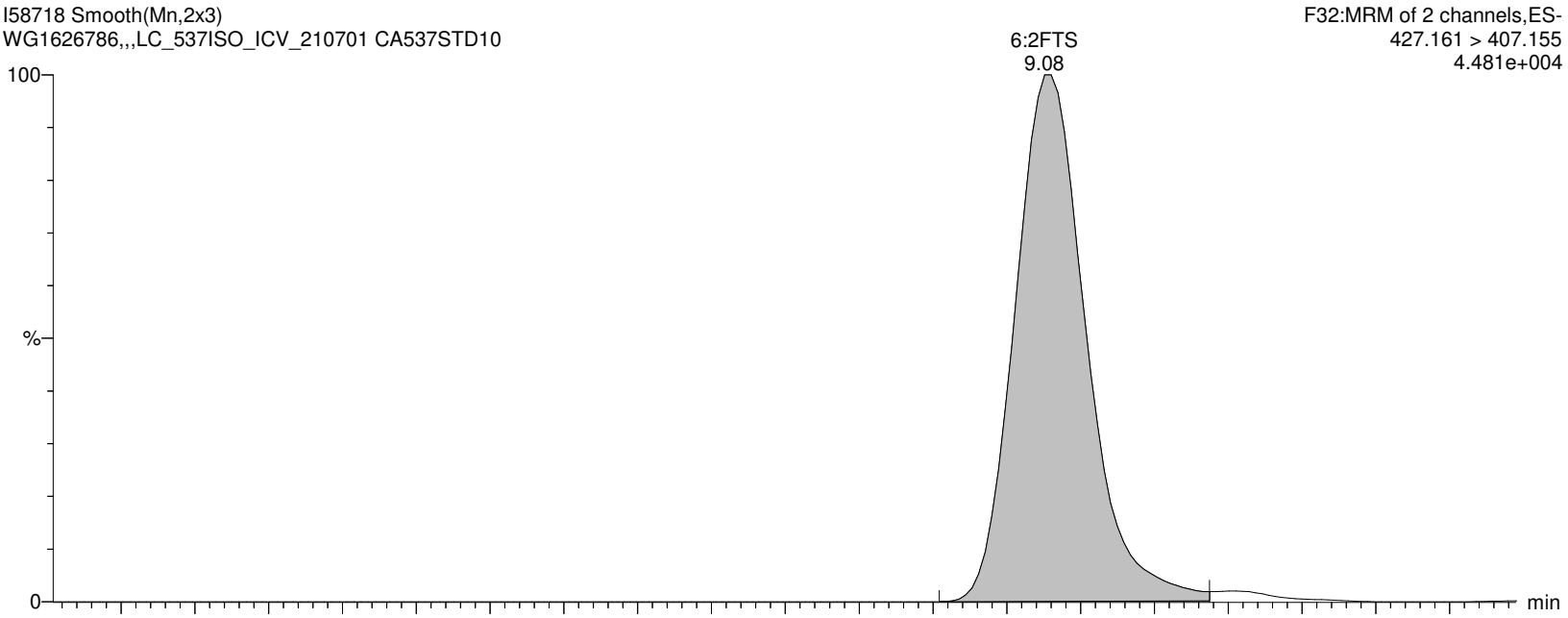


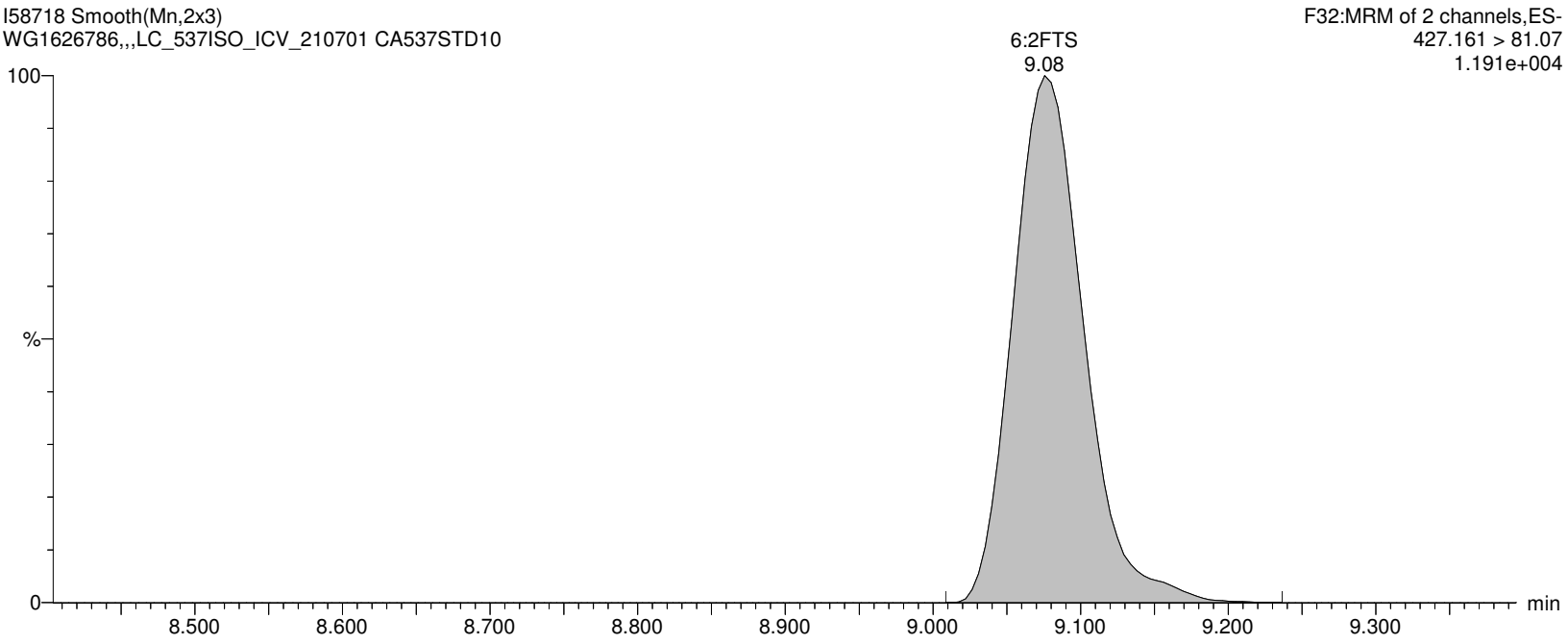
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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6:2FTS



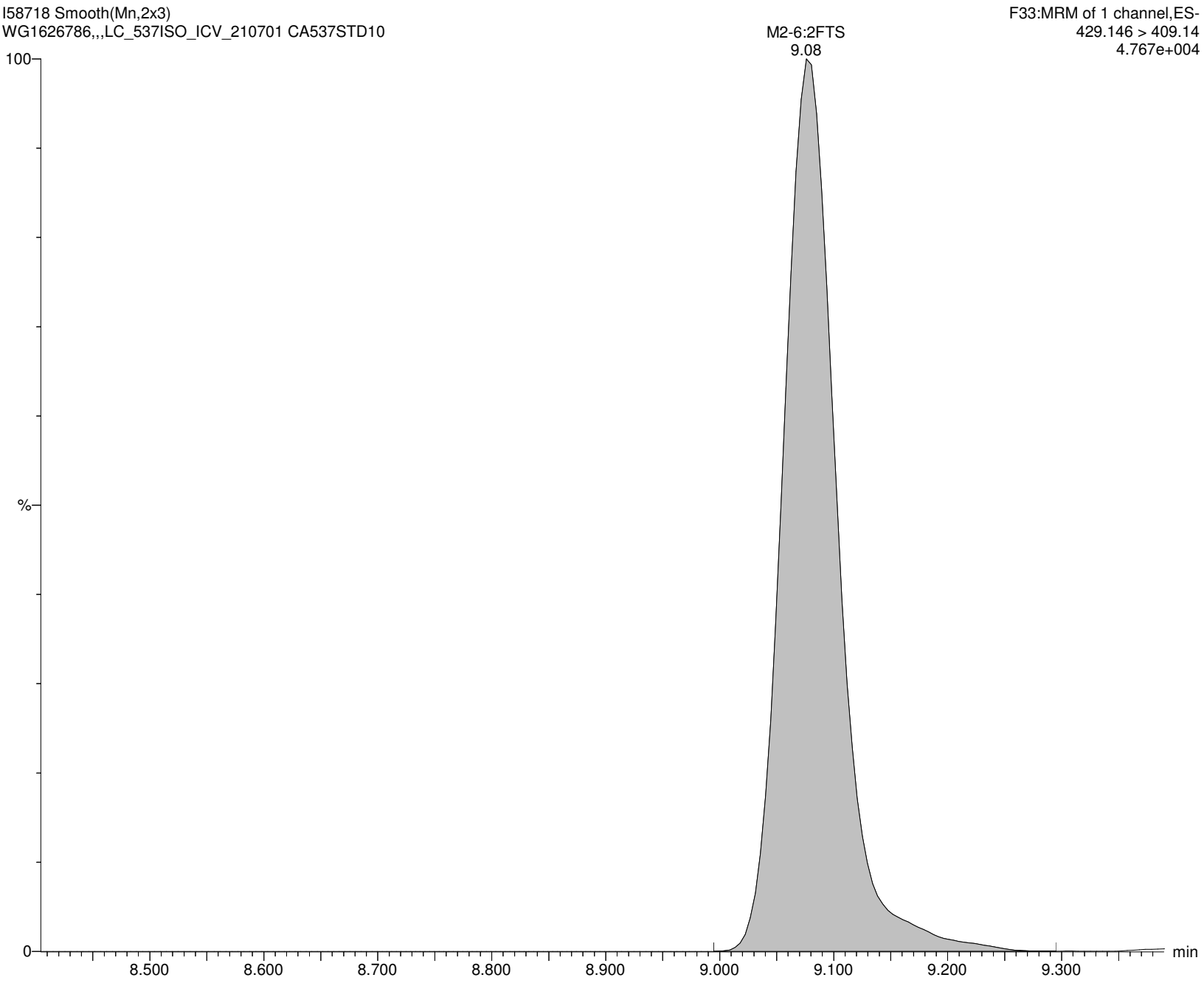


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
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M2-6:2FTS

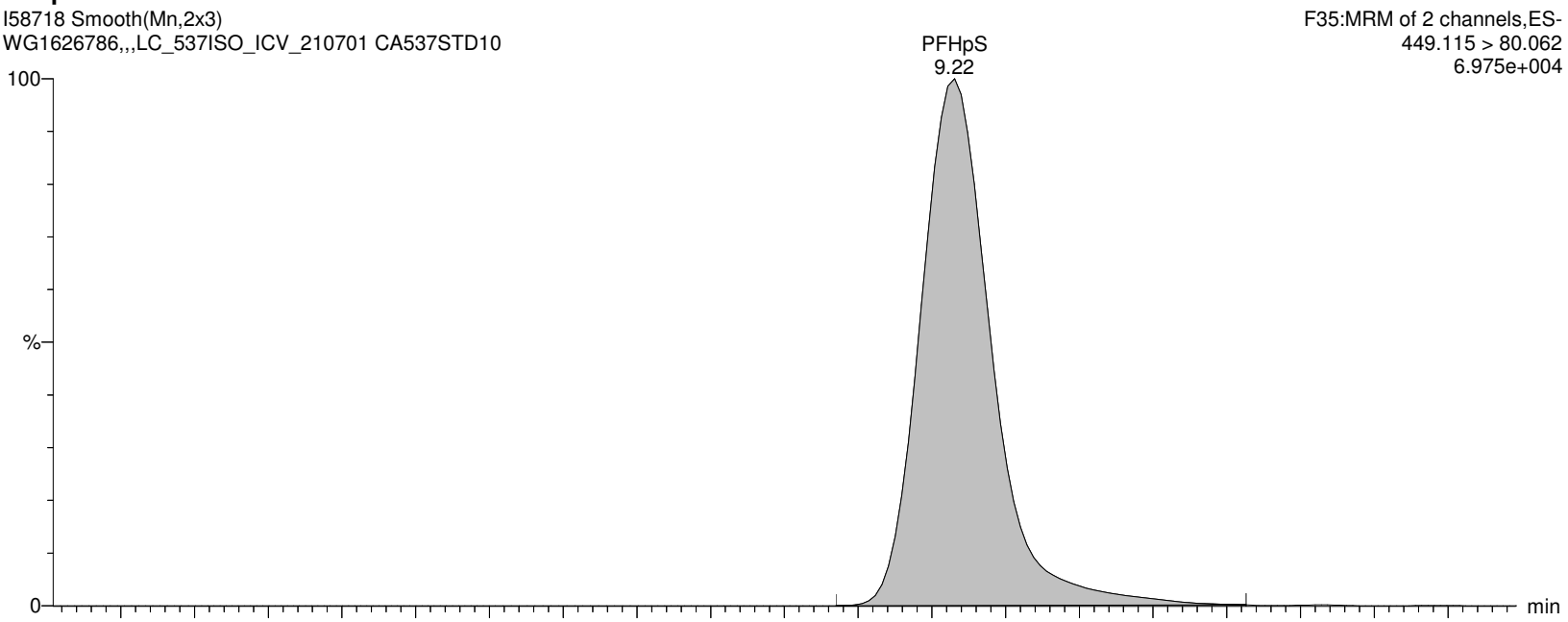


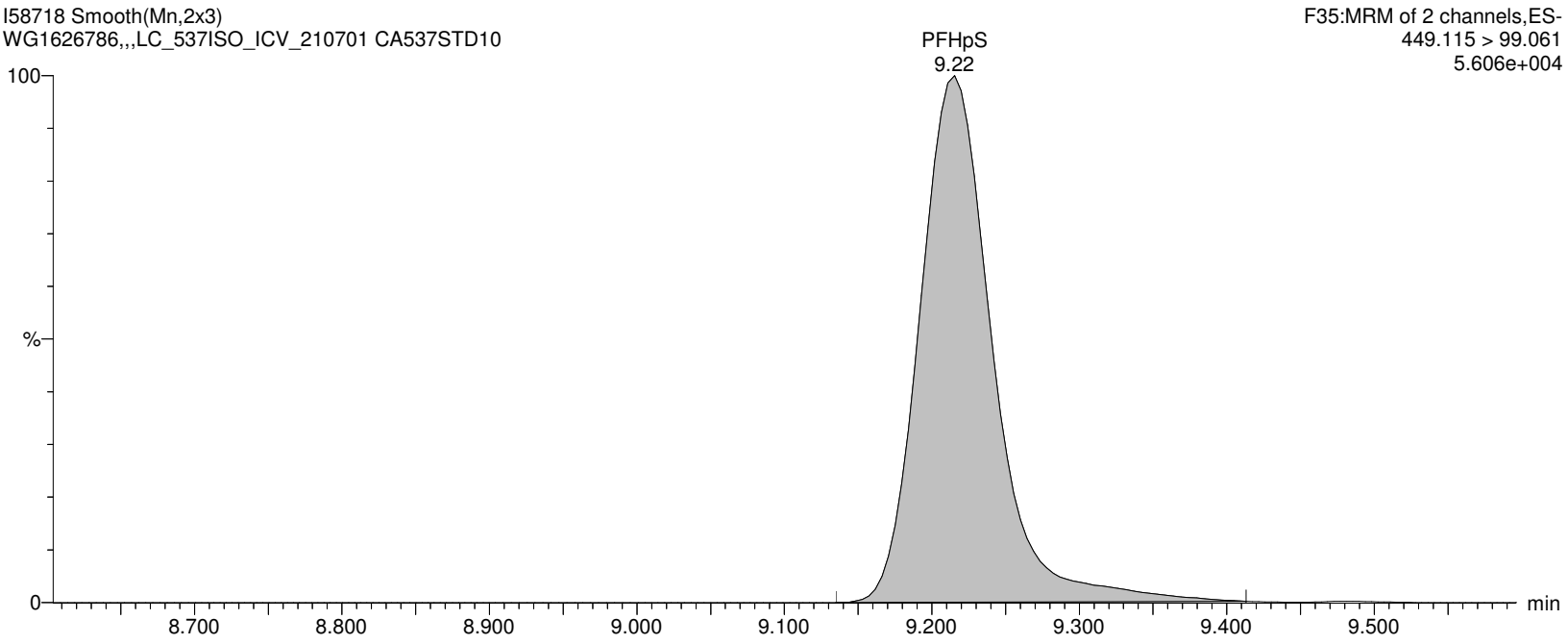
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
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PFHpS



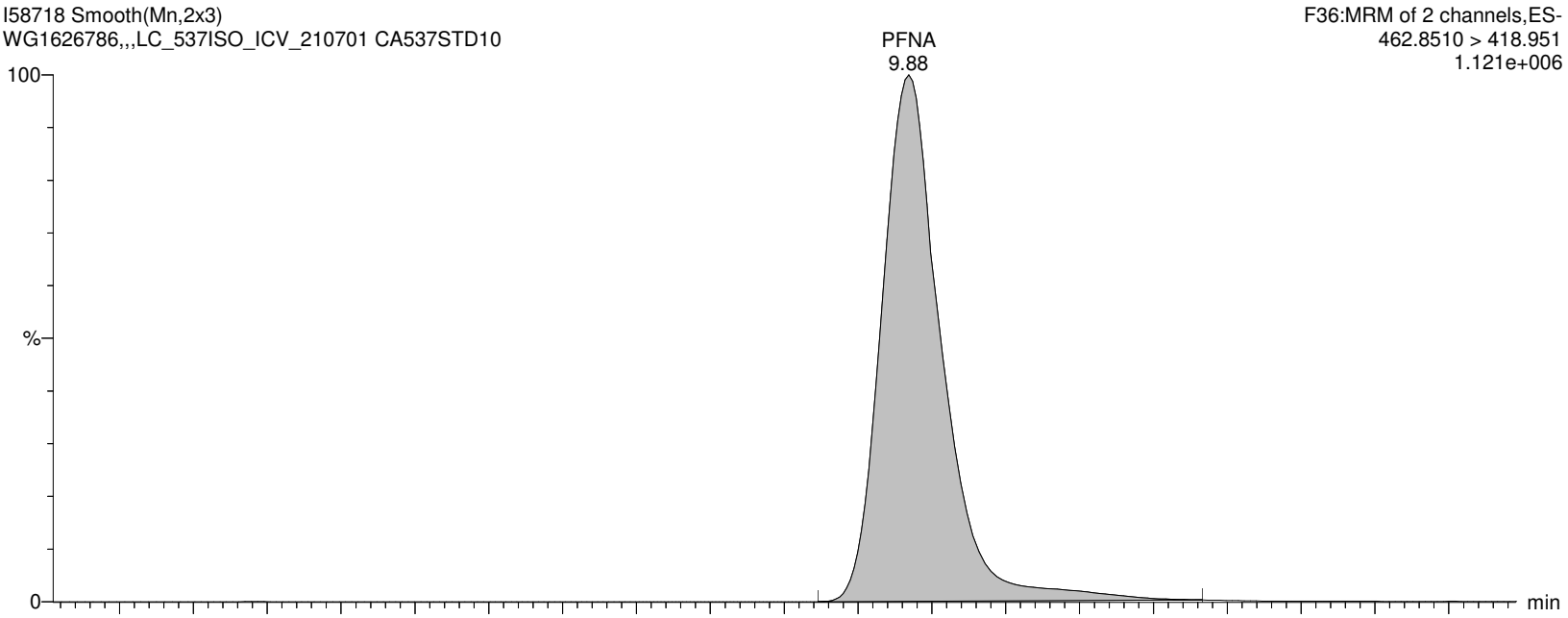


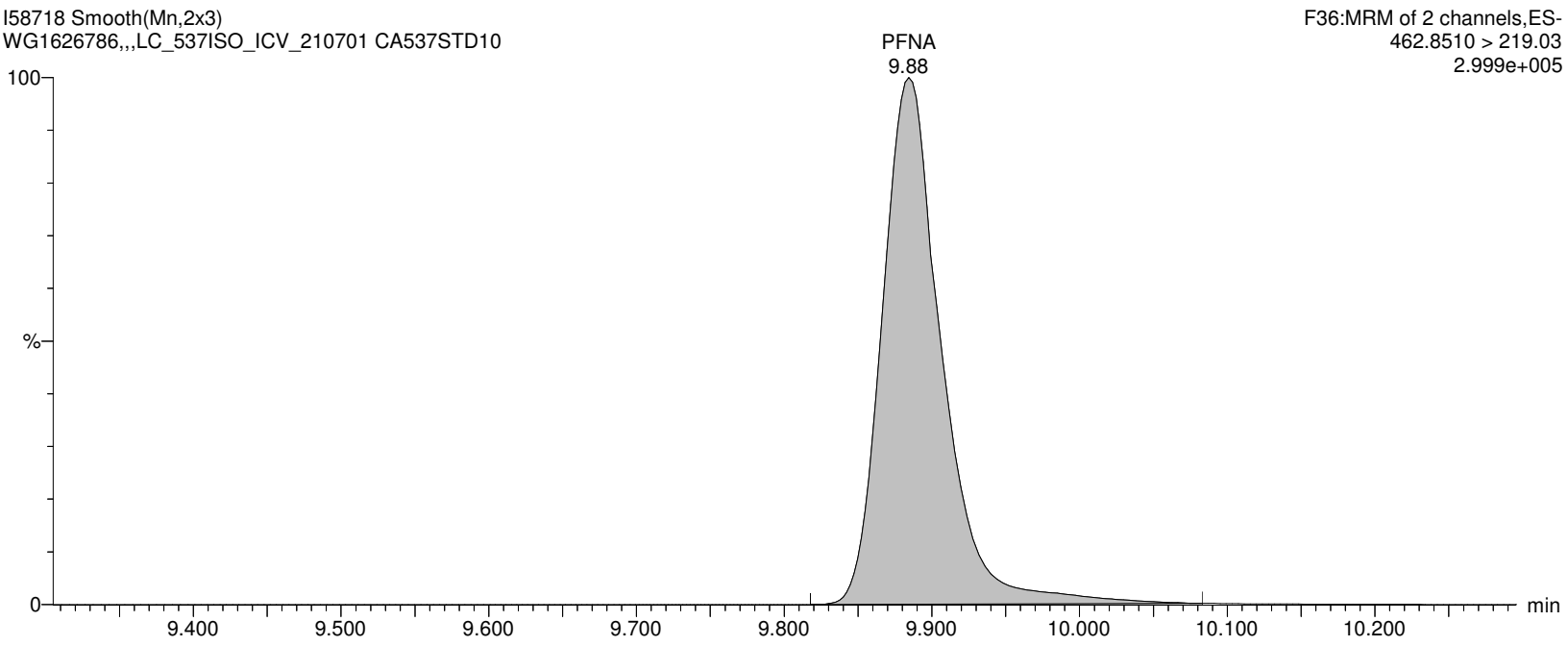
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 20:09:30
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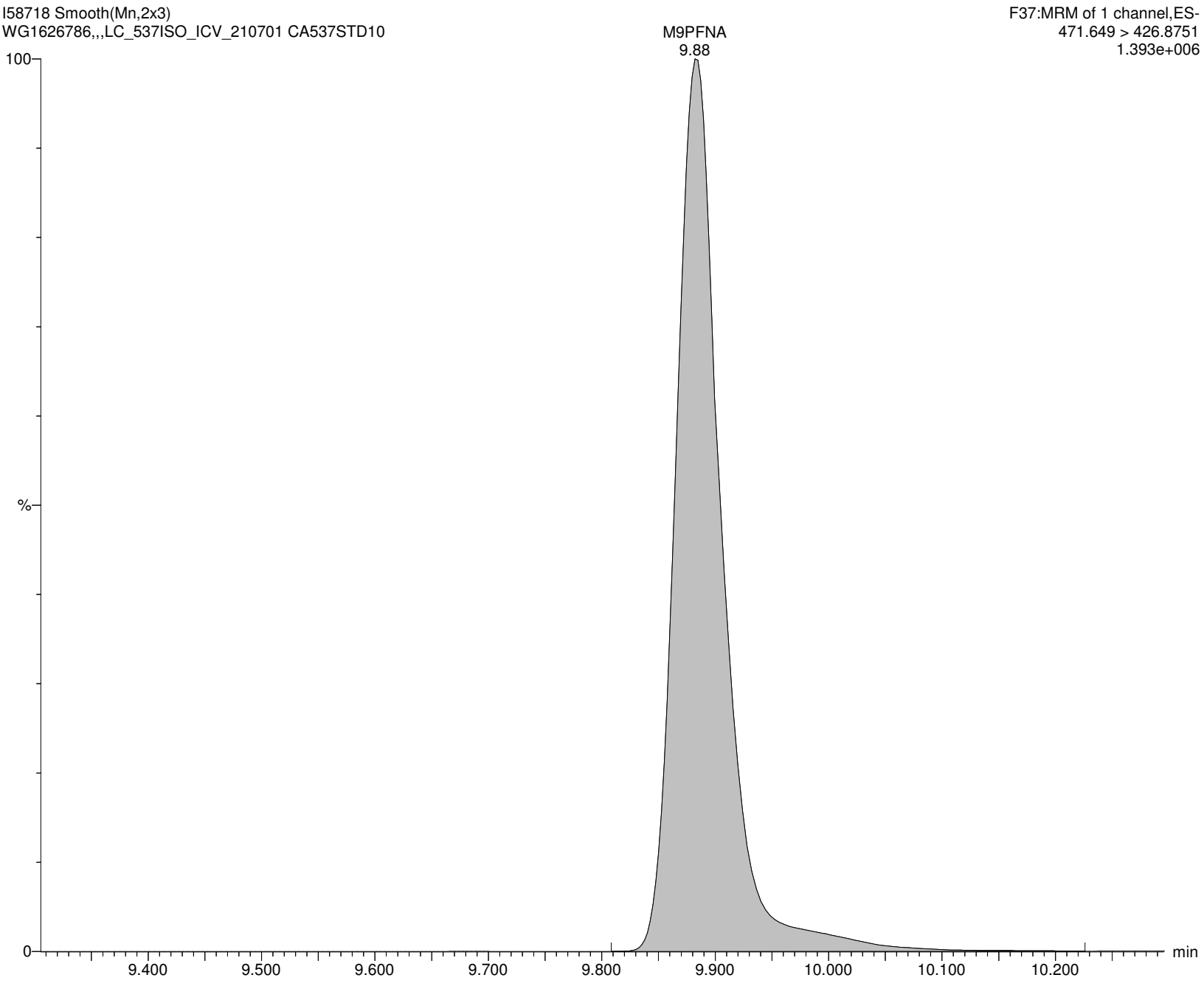


all concentration units in (ng/mL)

Alpha Analytical Inc.
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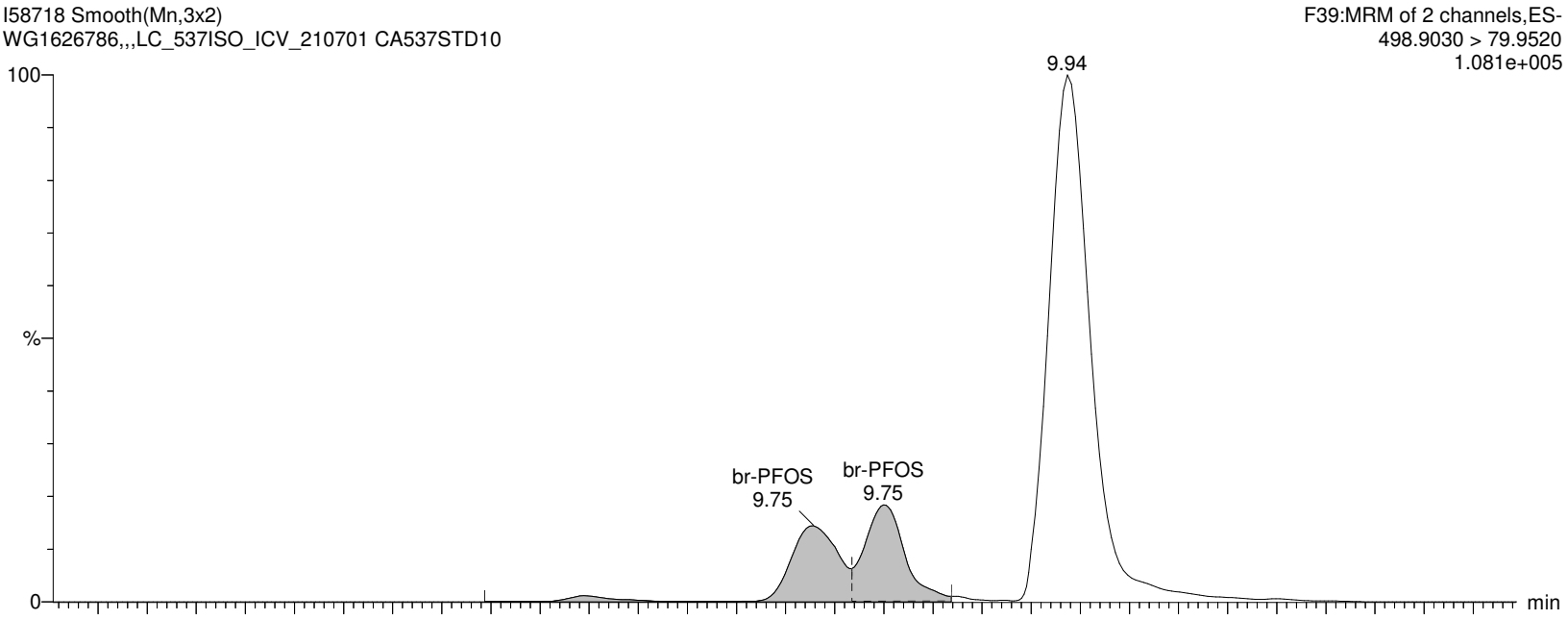


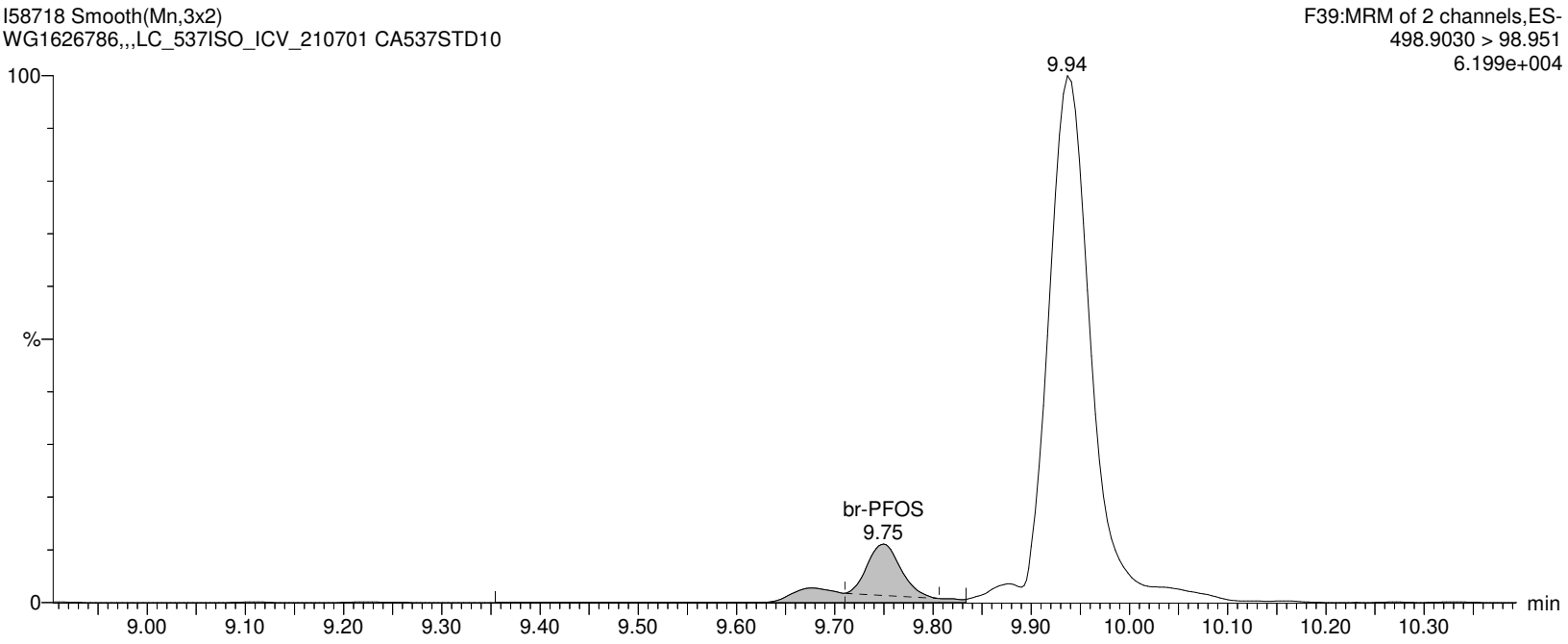
all concentration units in (ng/mL)

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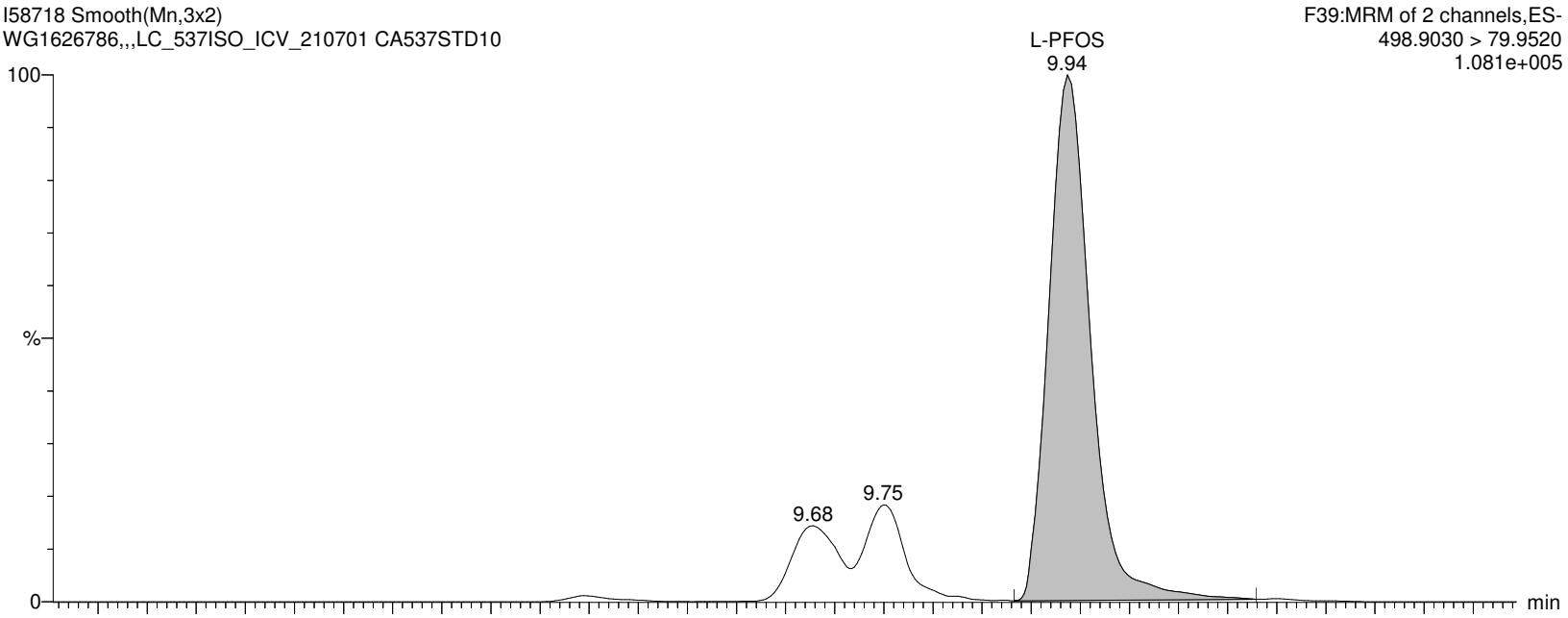


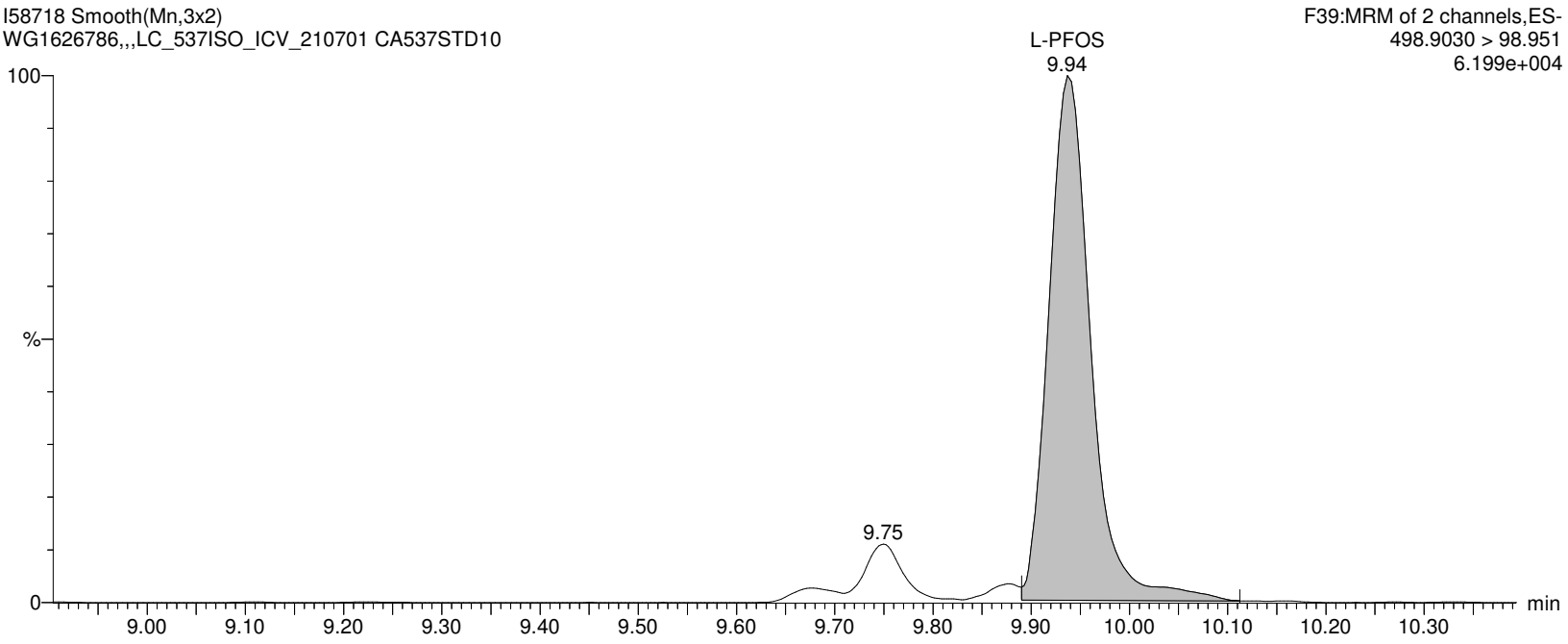
all concentration units in (ng/mL)

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L-PFOS



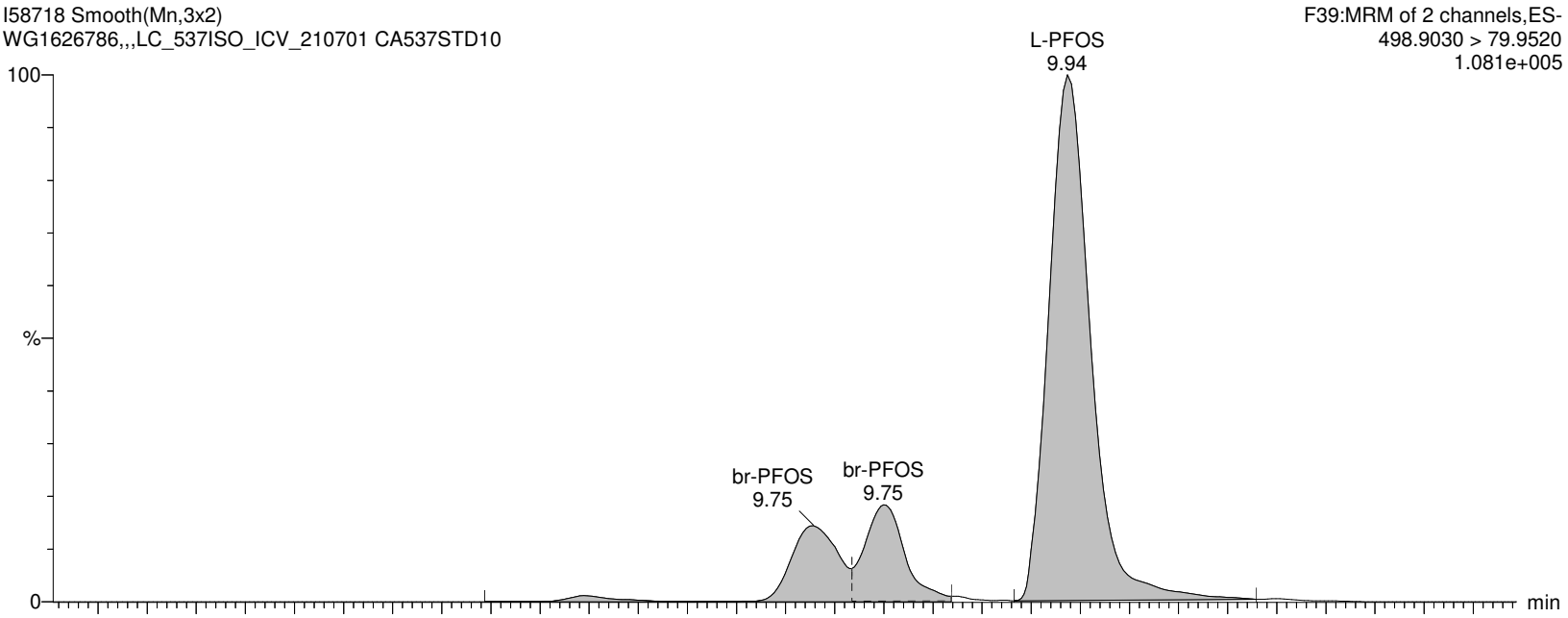


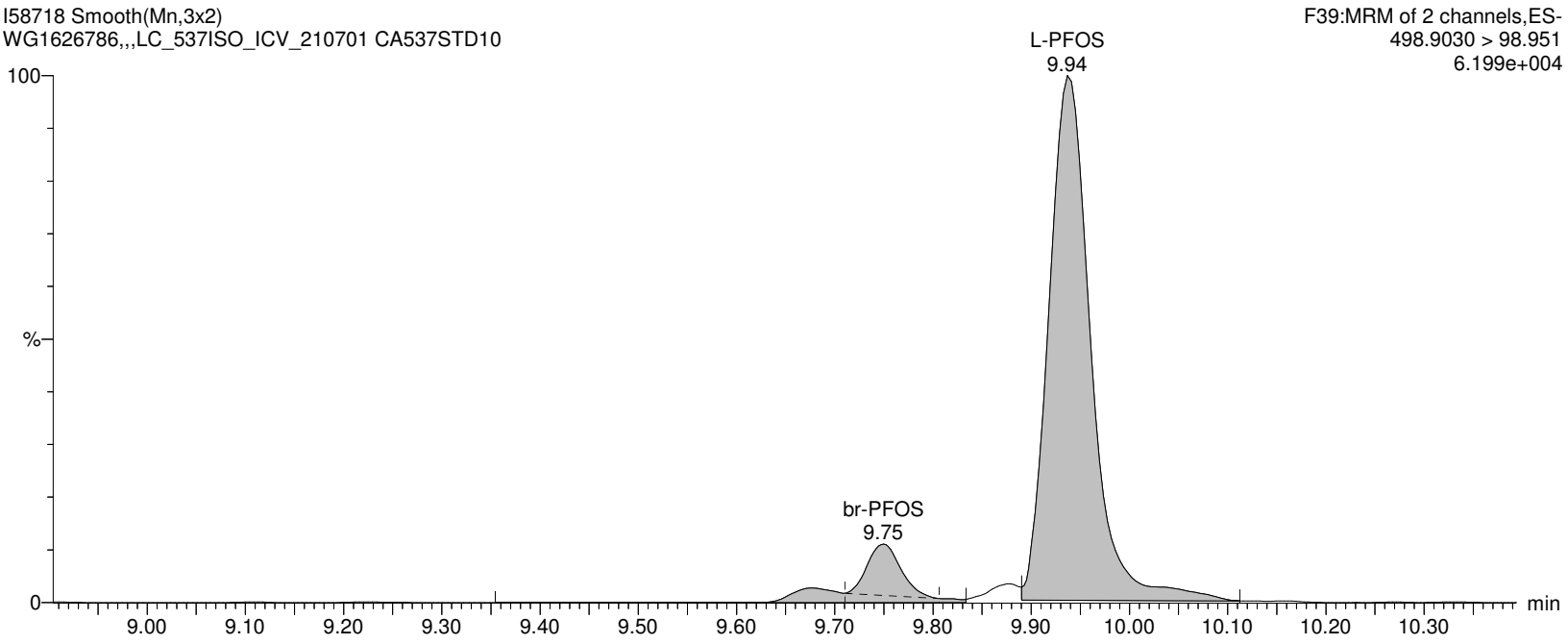
all concentration units in (ng/mL)

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PFOS



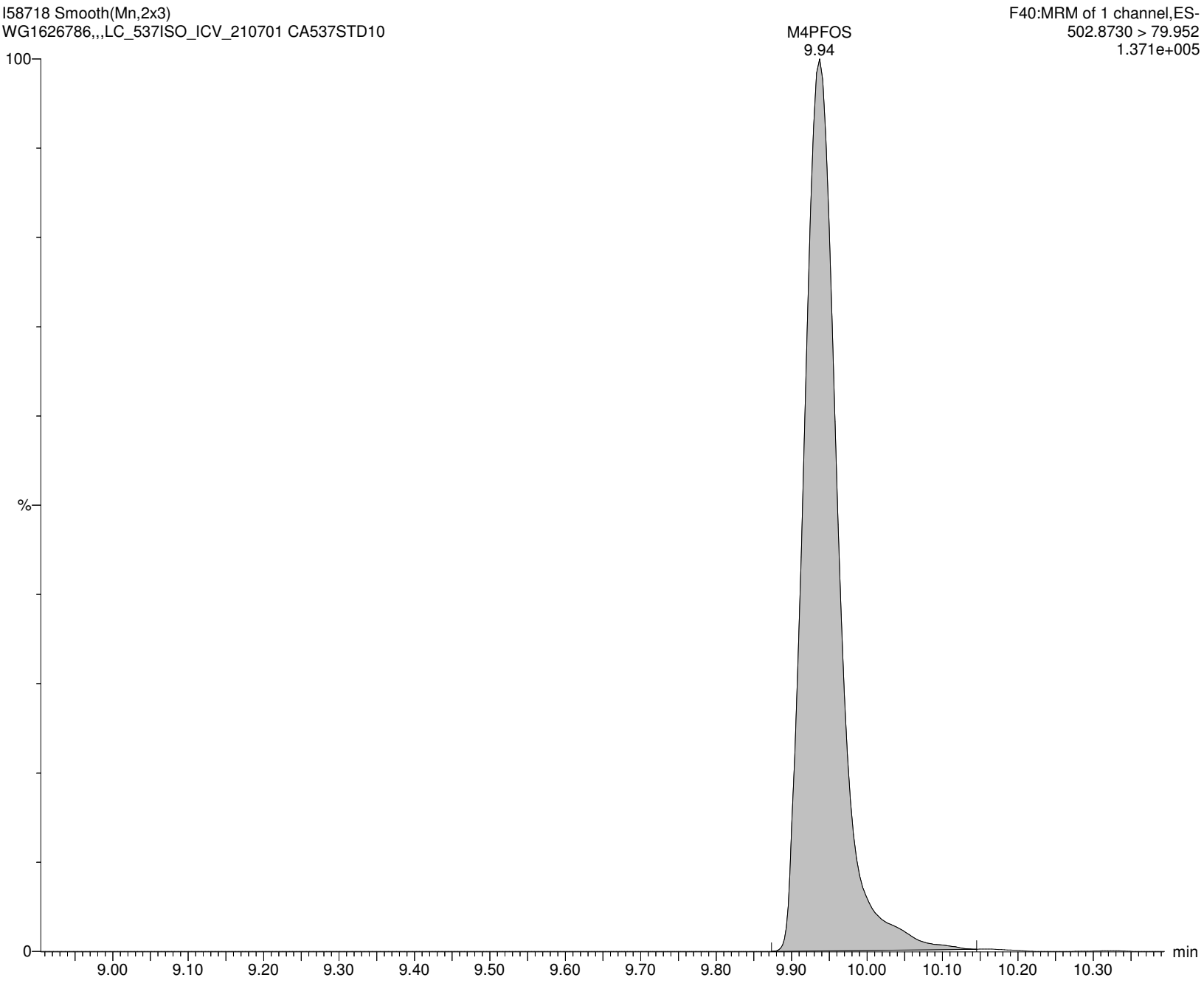


all concentration units in (ng/mL)

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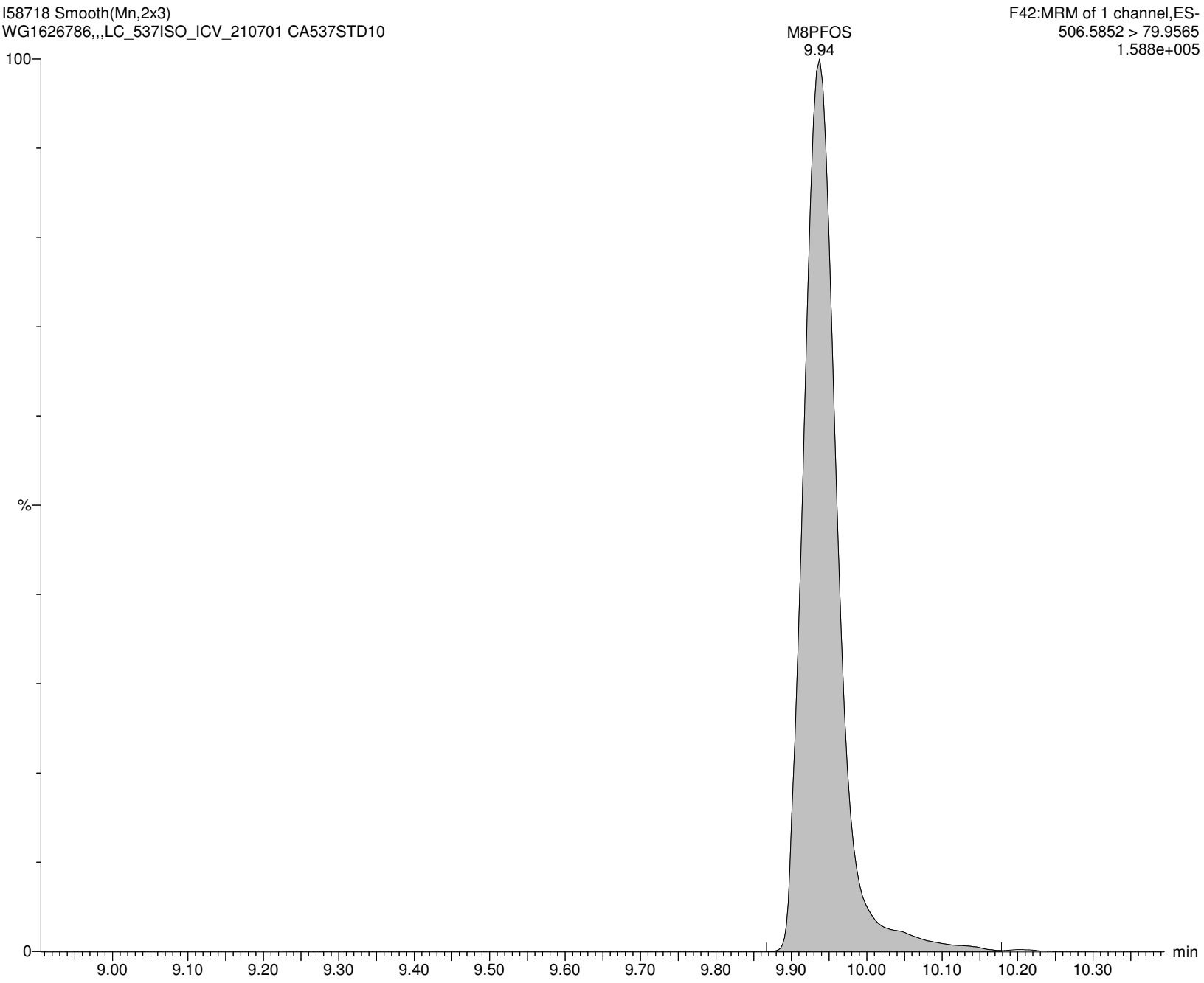


all concentration units in (ng/mL)

Alpha Analytical Inc.
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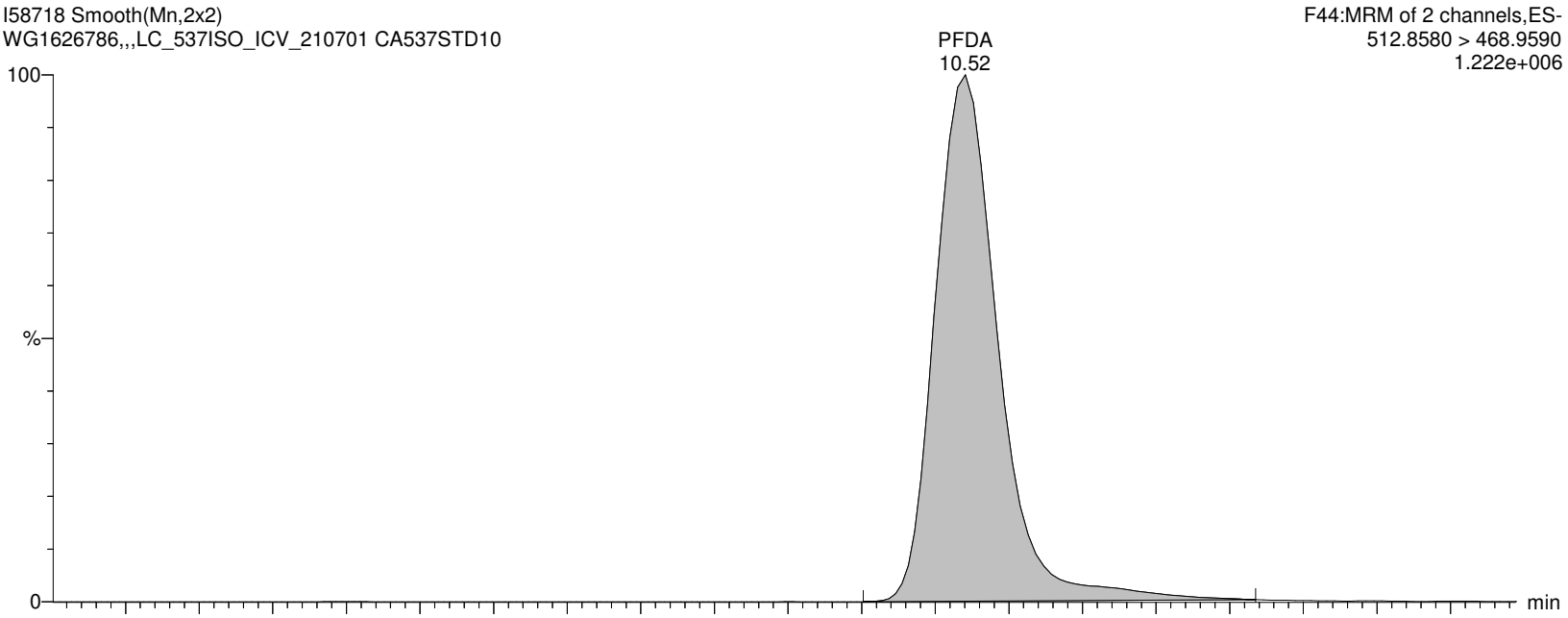


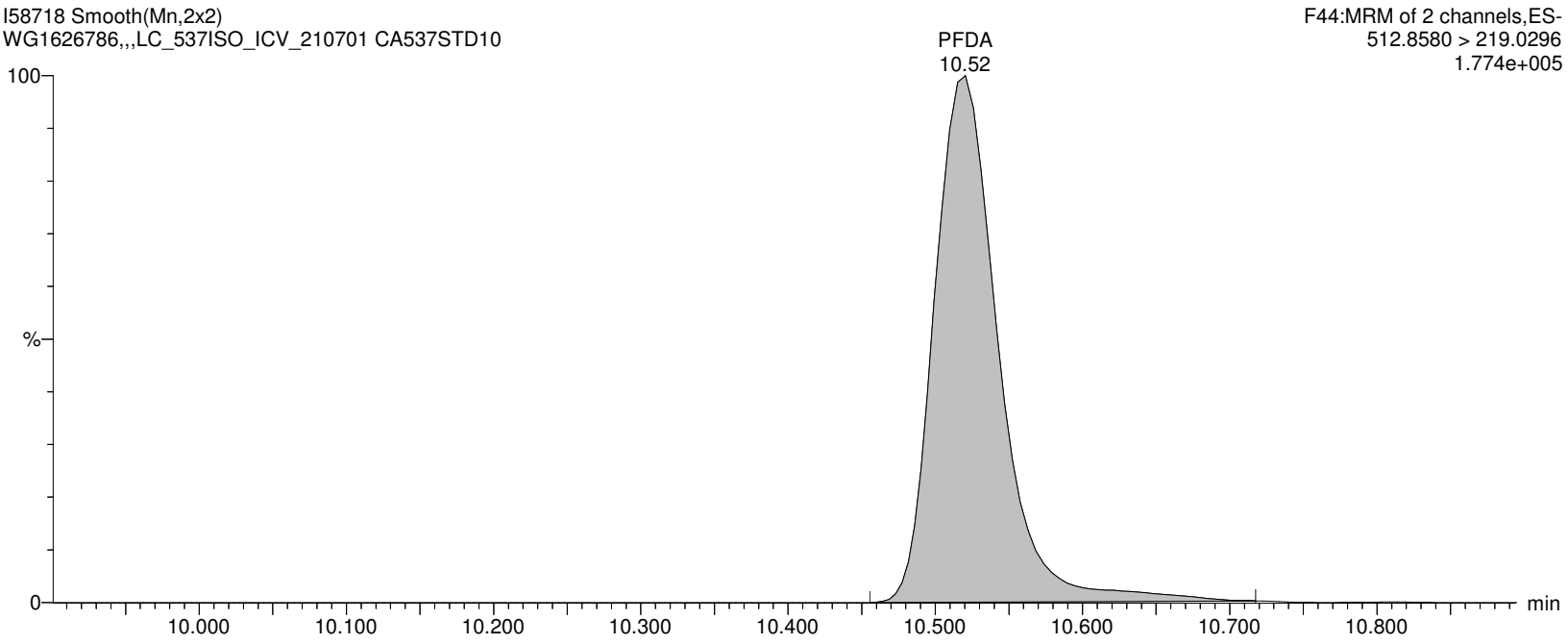
all concentration units in (ng/mL)

Alpha Analytical Inc.
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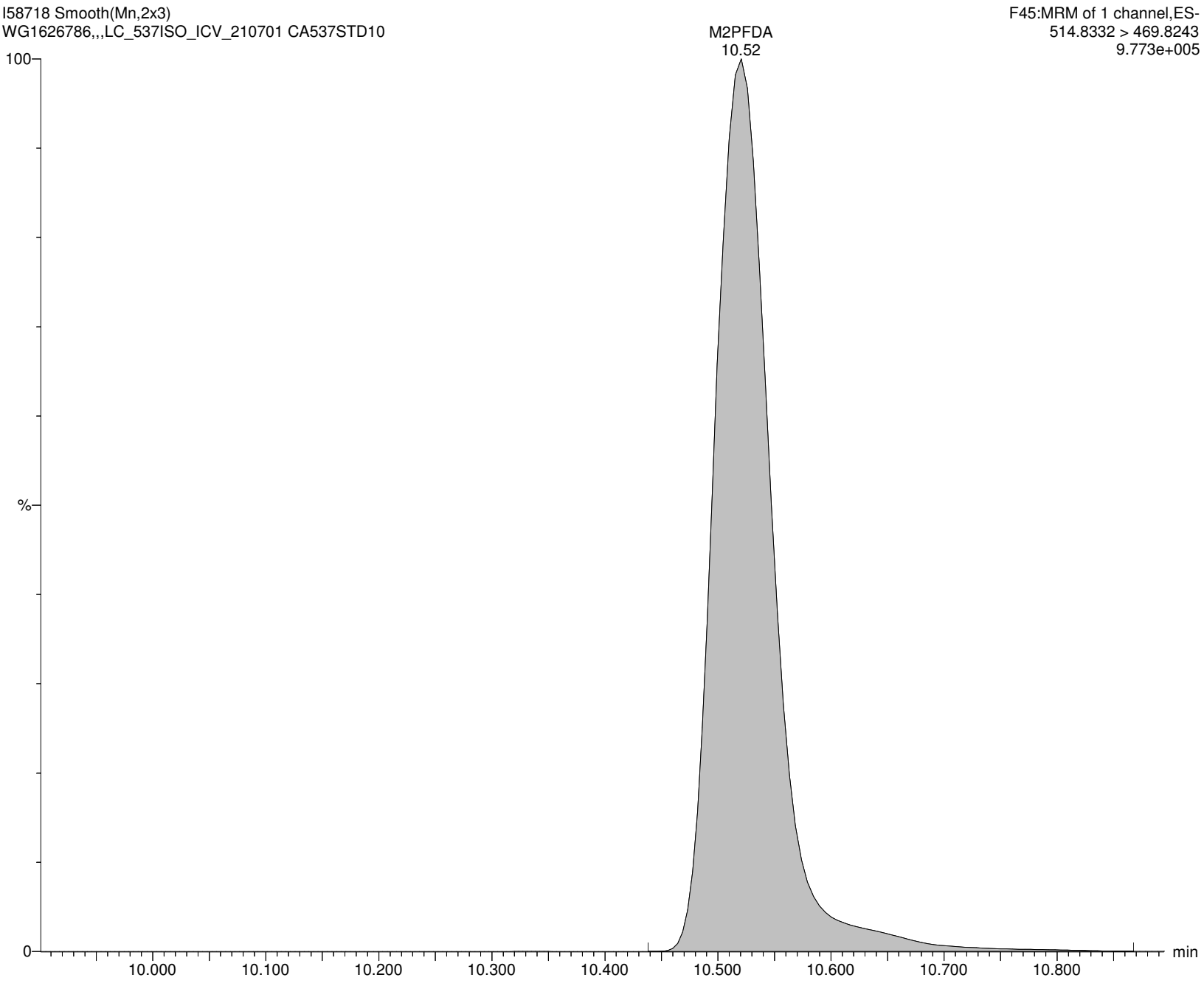


all concentration units in (ng/mL)

Alpha Analytical Inc.
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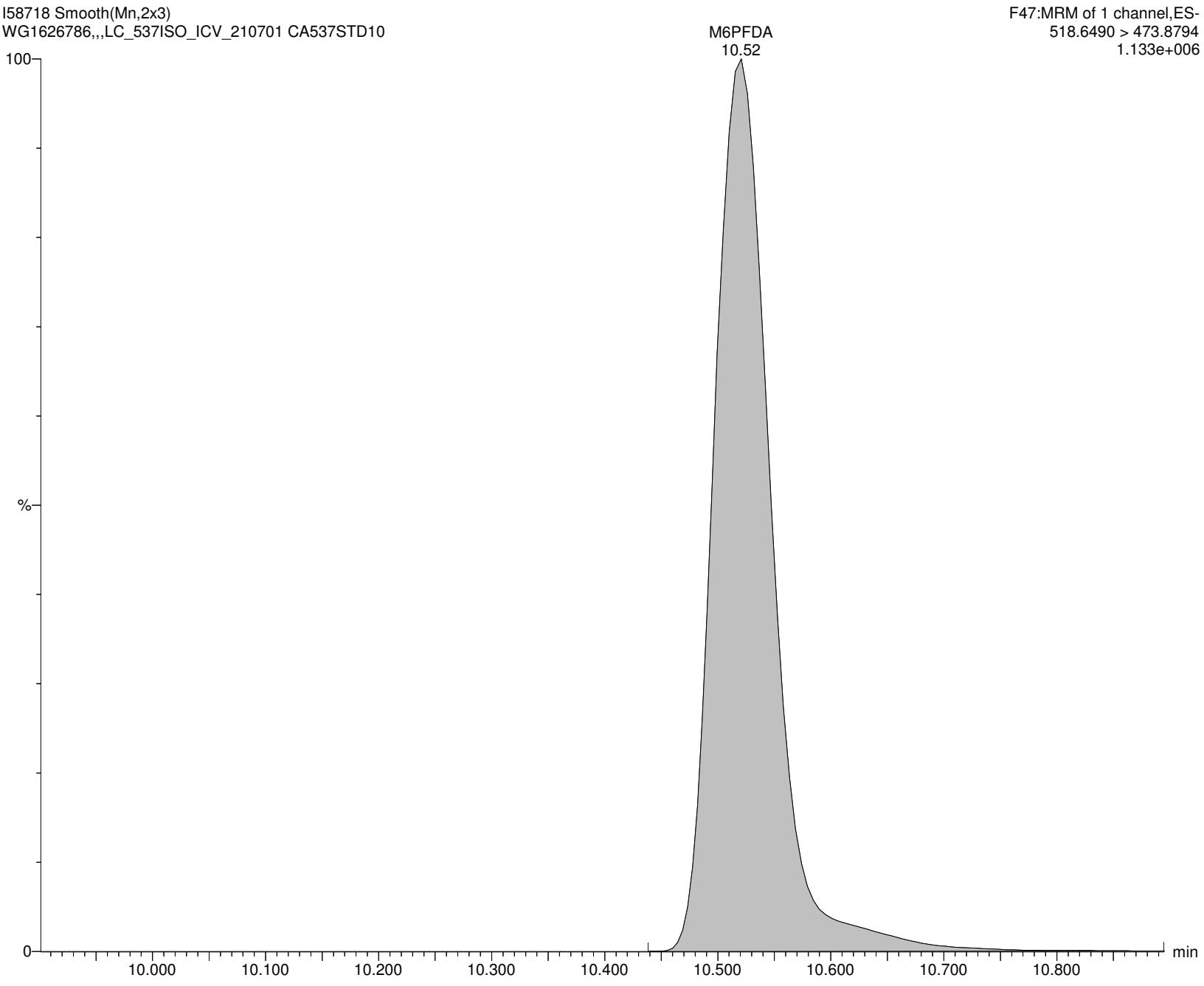


all concentration units in (ng/mL)

Alpha Analytical Inc.
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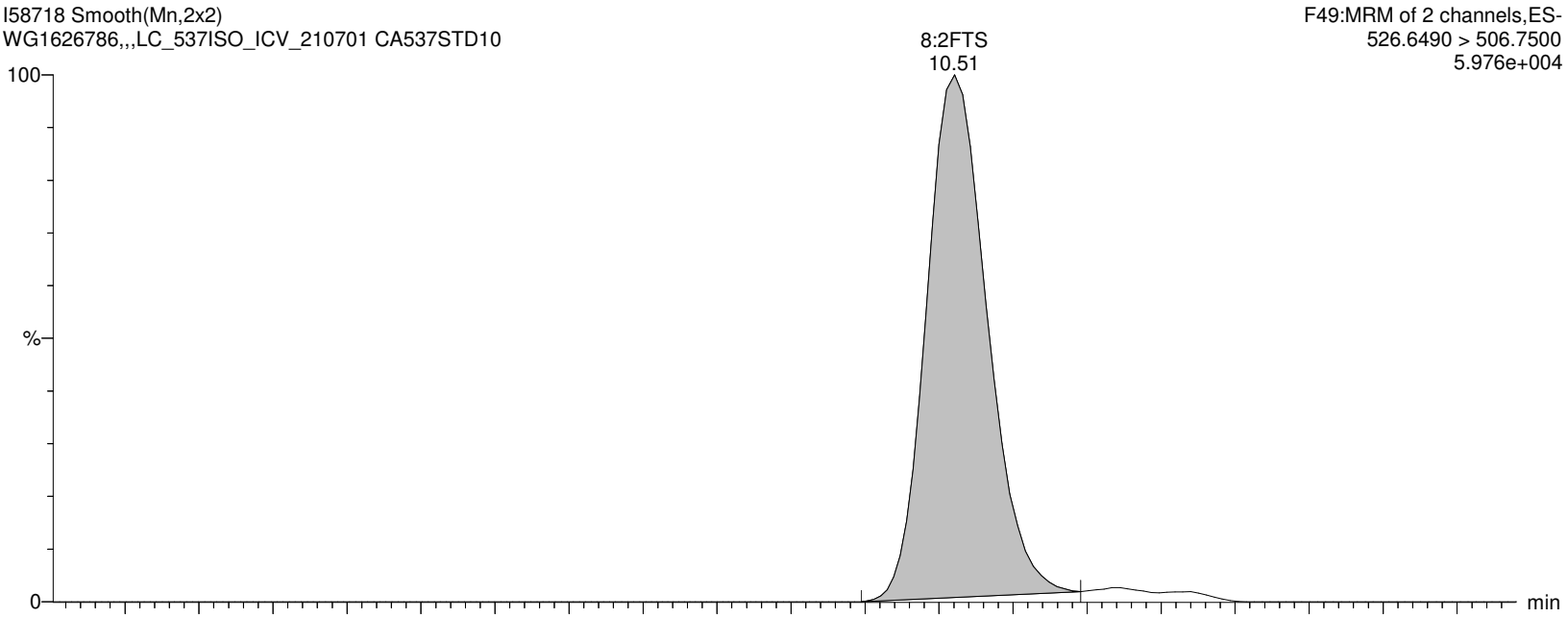


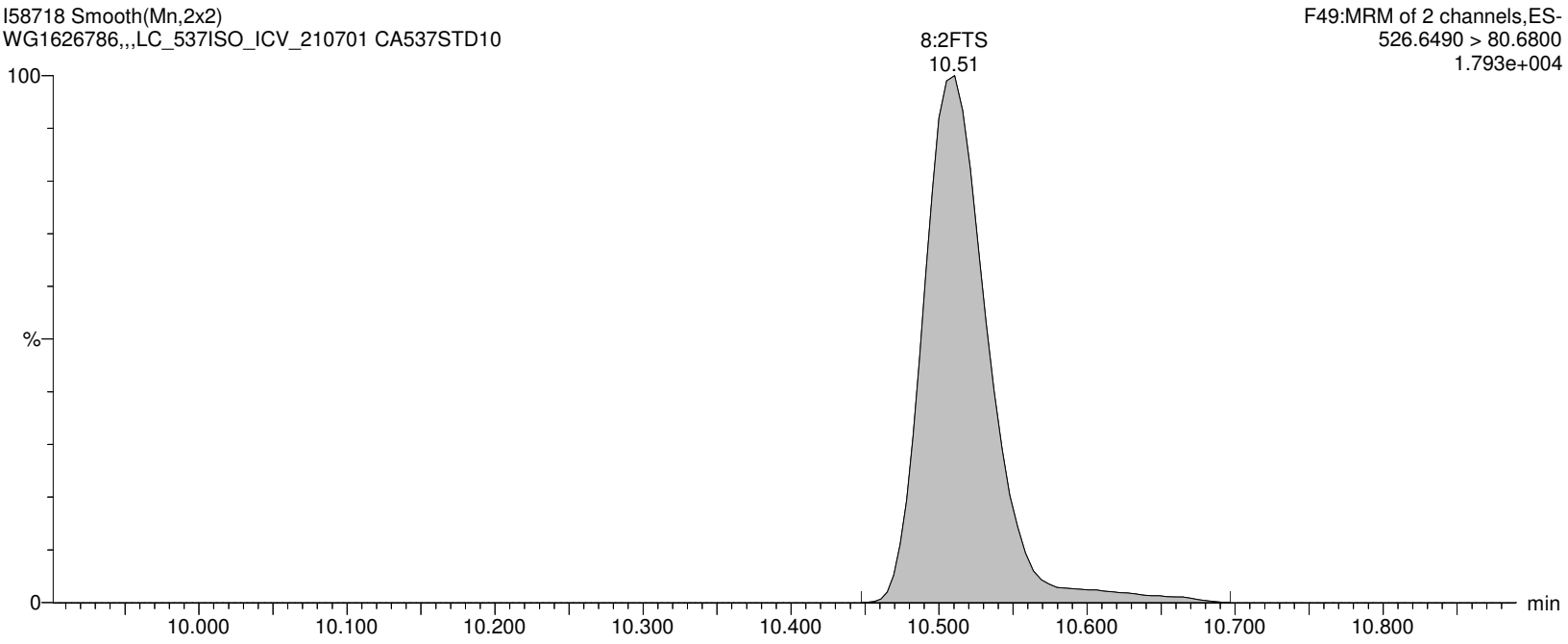
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



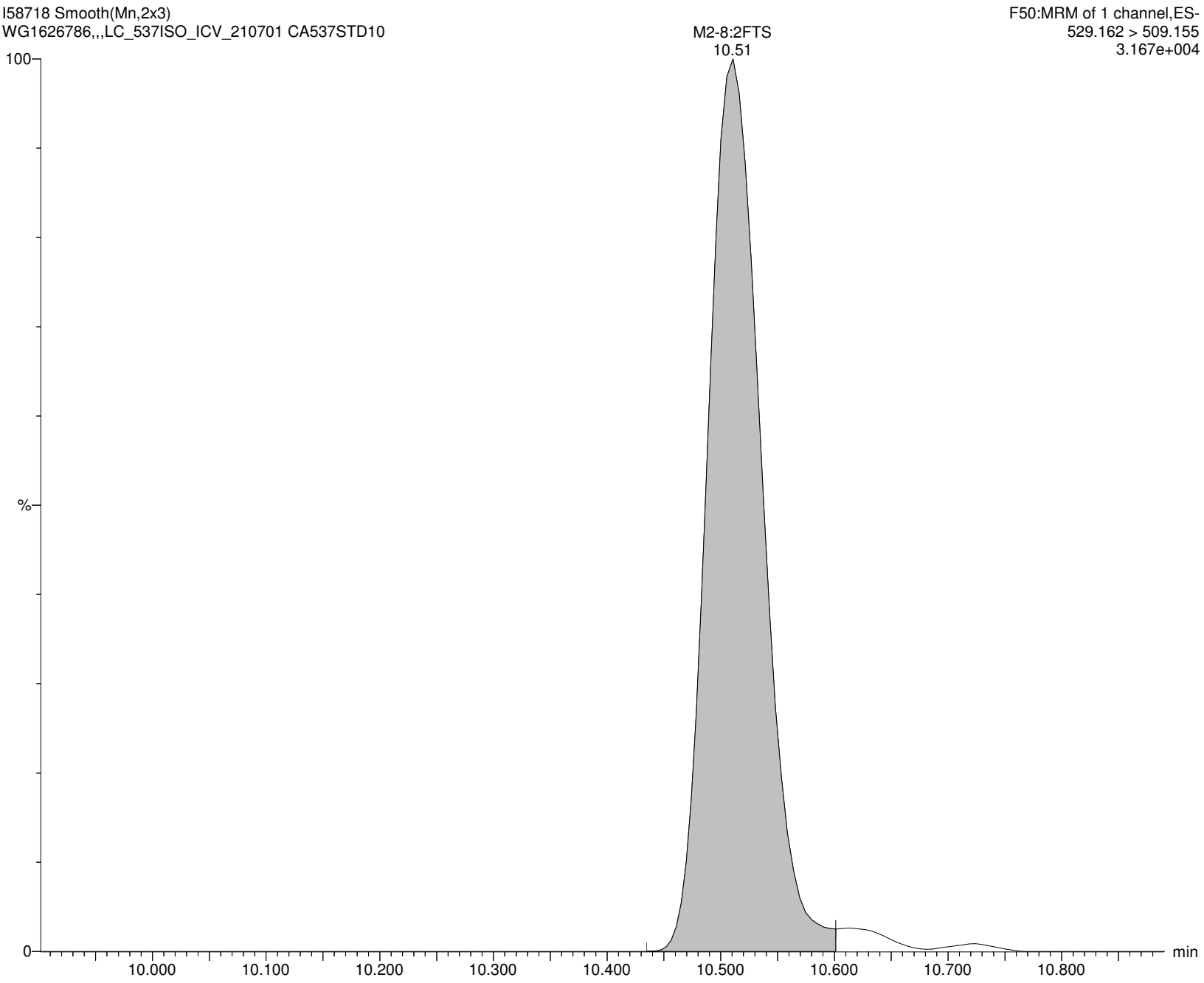


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2-8:2FTS

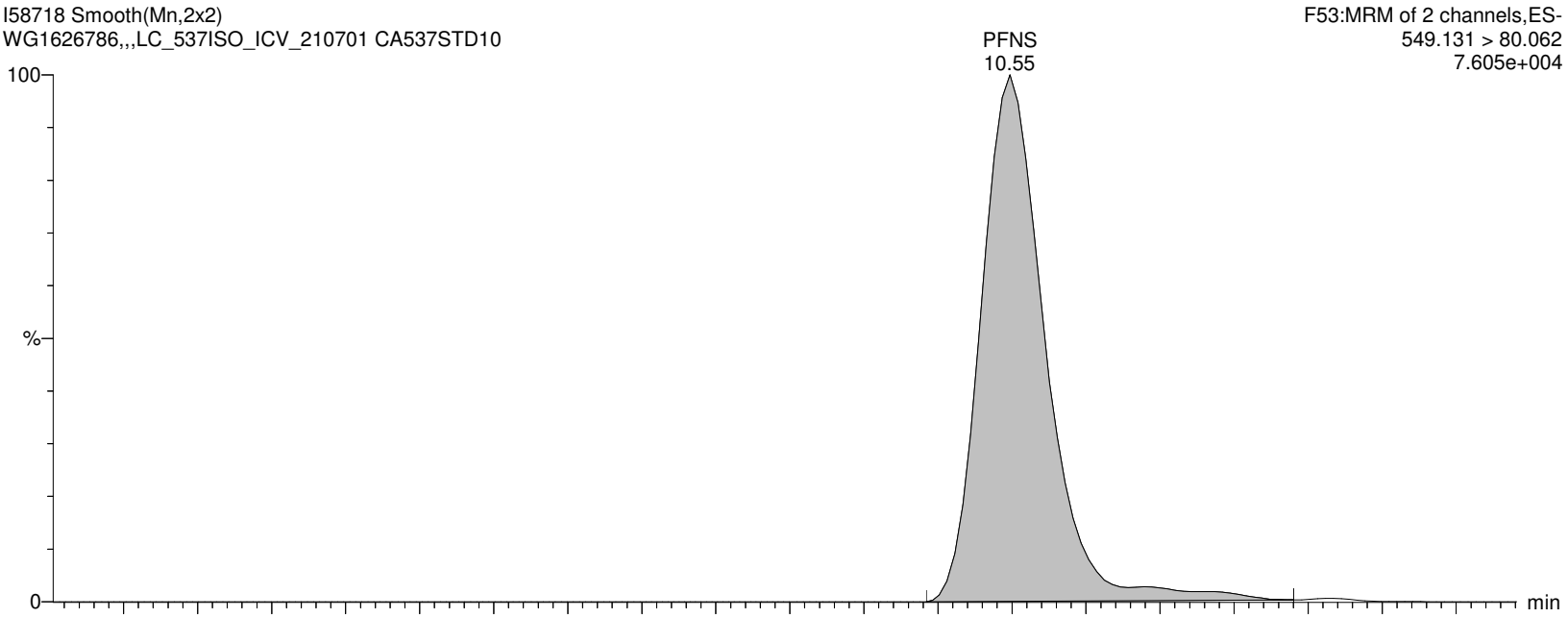


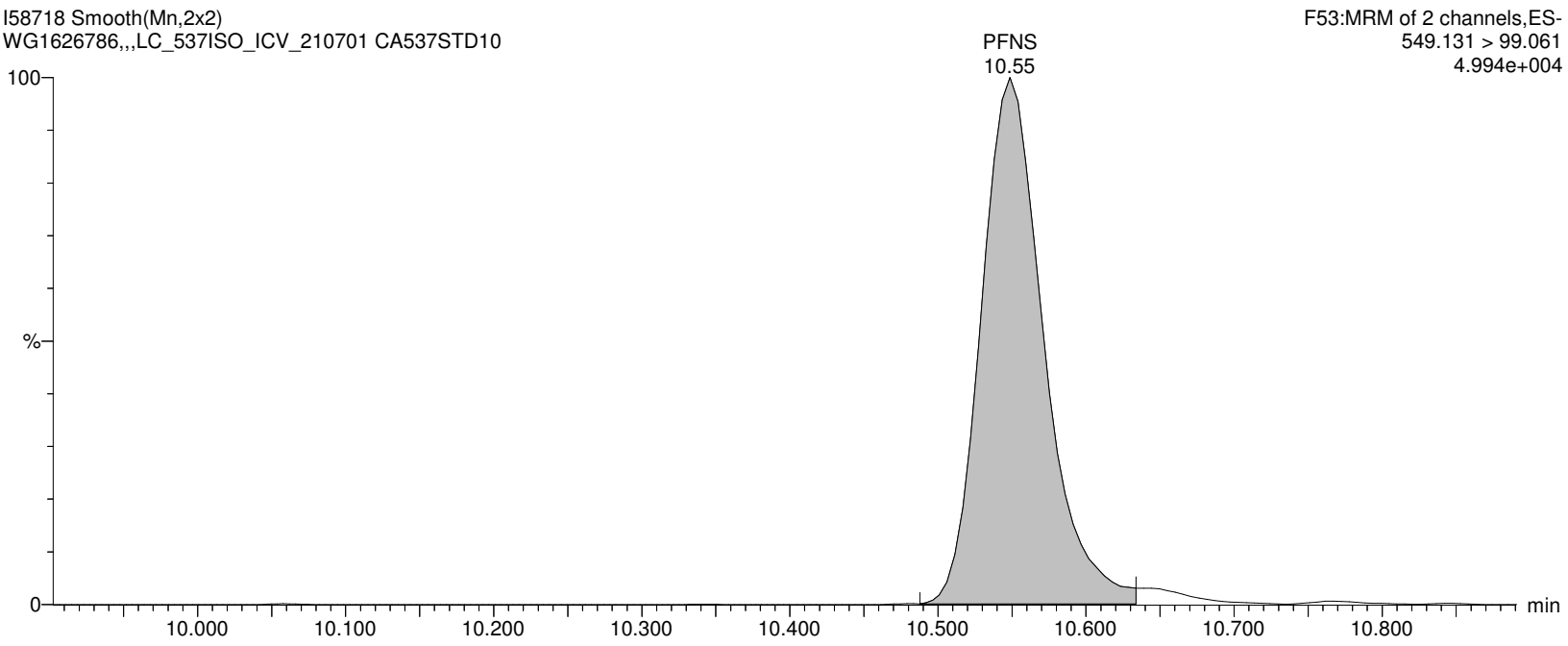
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
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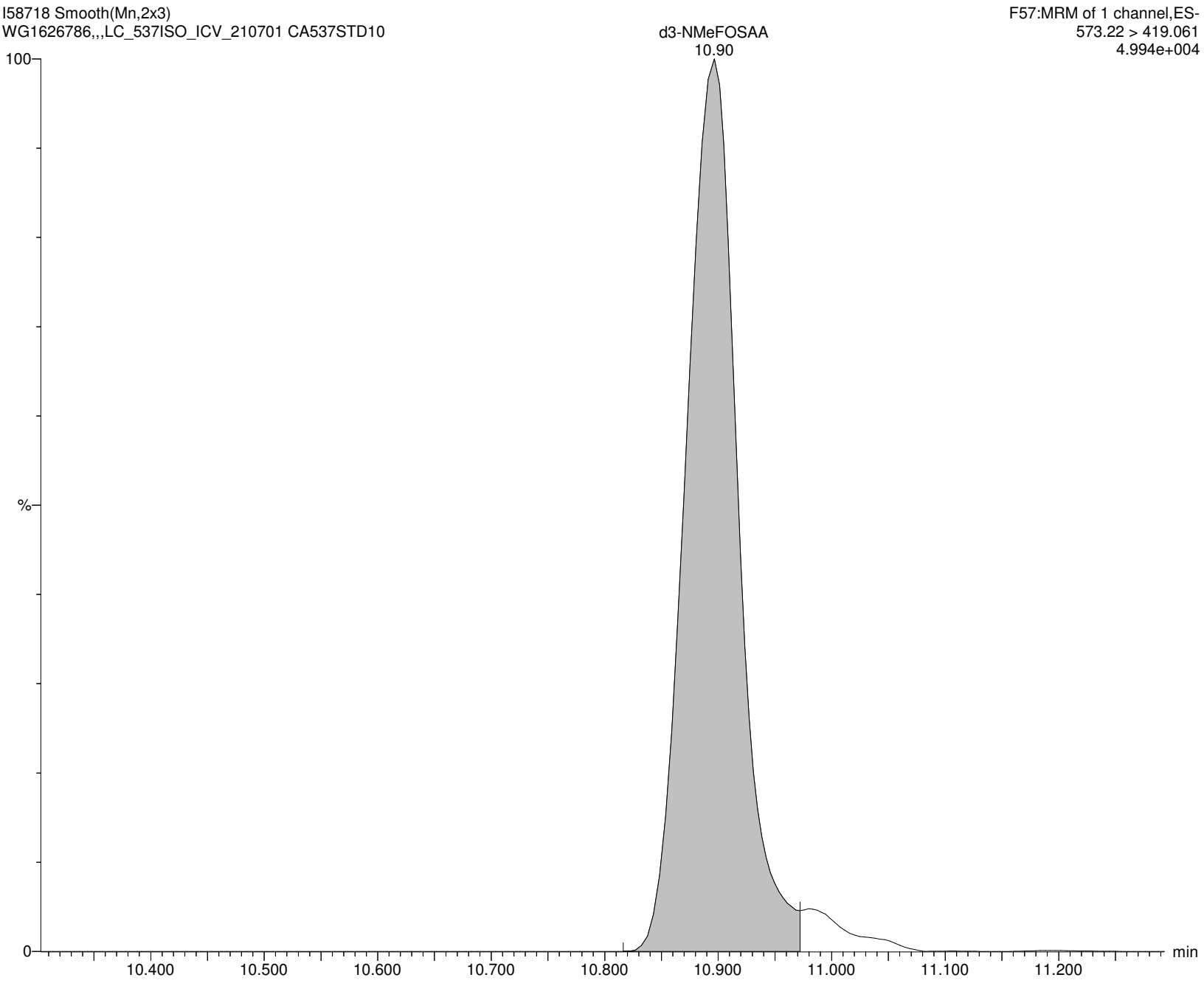


all concentration units in (ng/mL)

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d3-NMeFOSAA

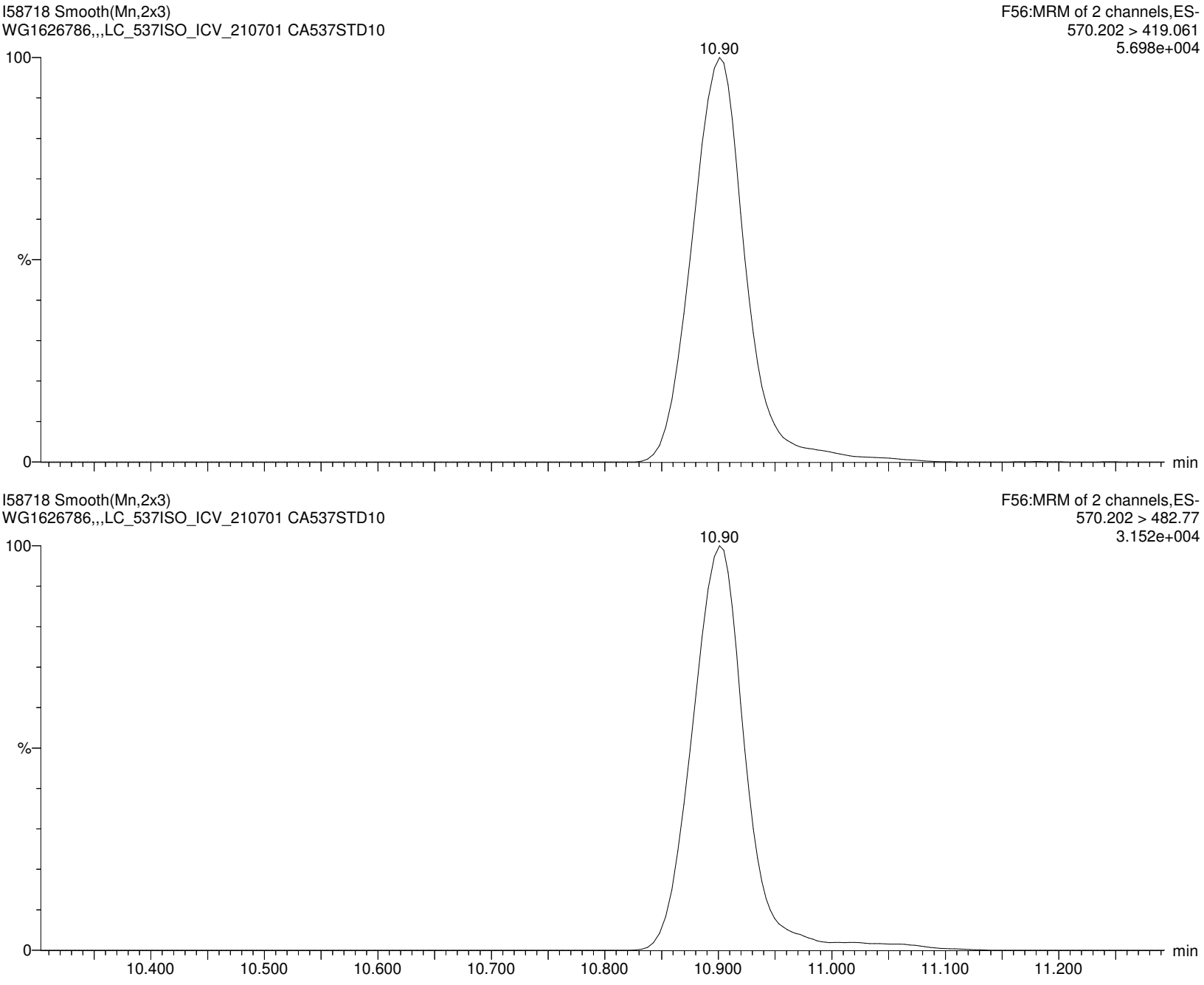


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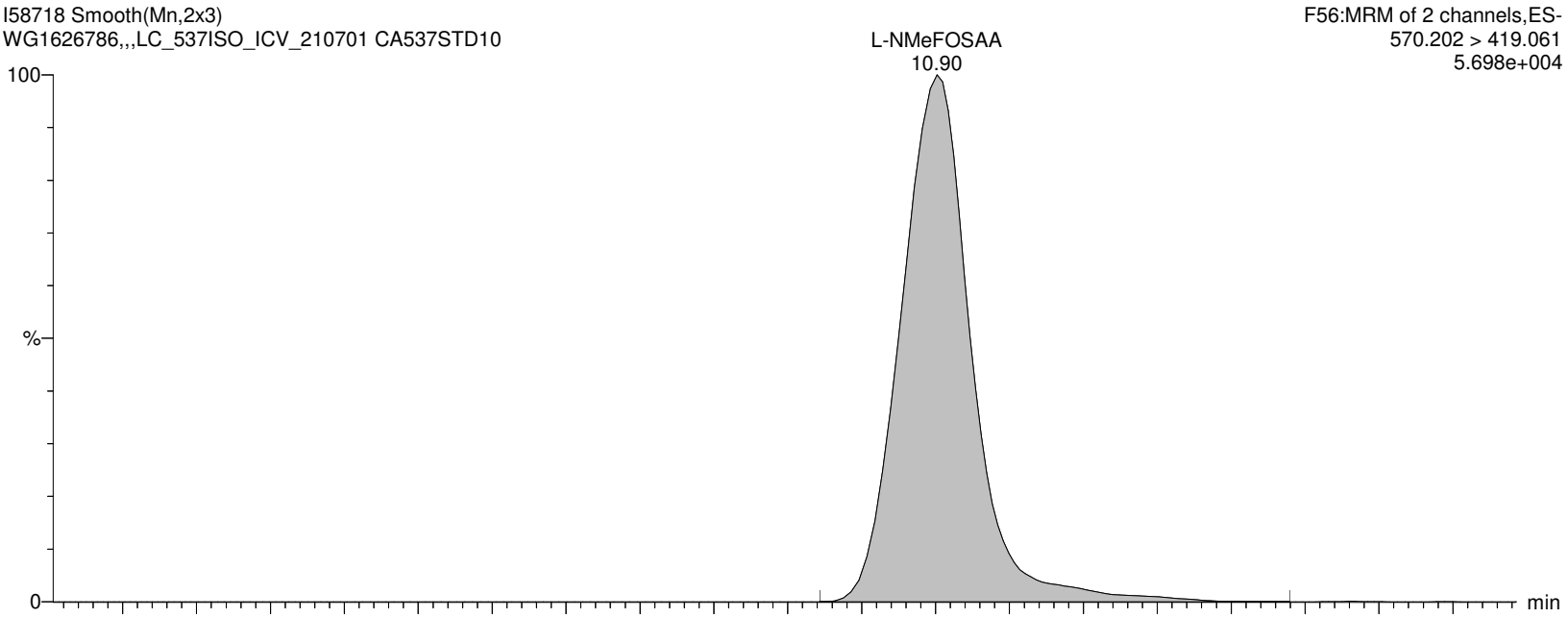


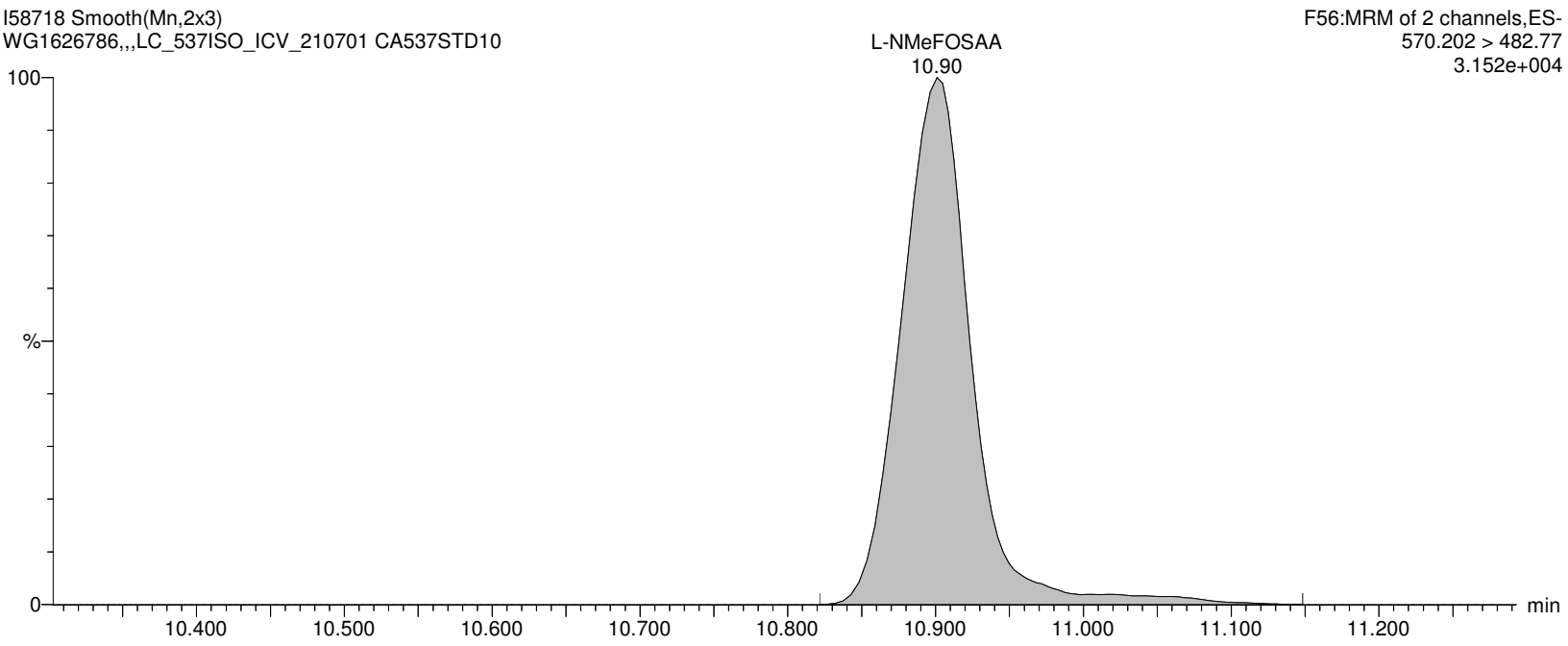
all concentration units in (ng/mL)

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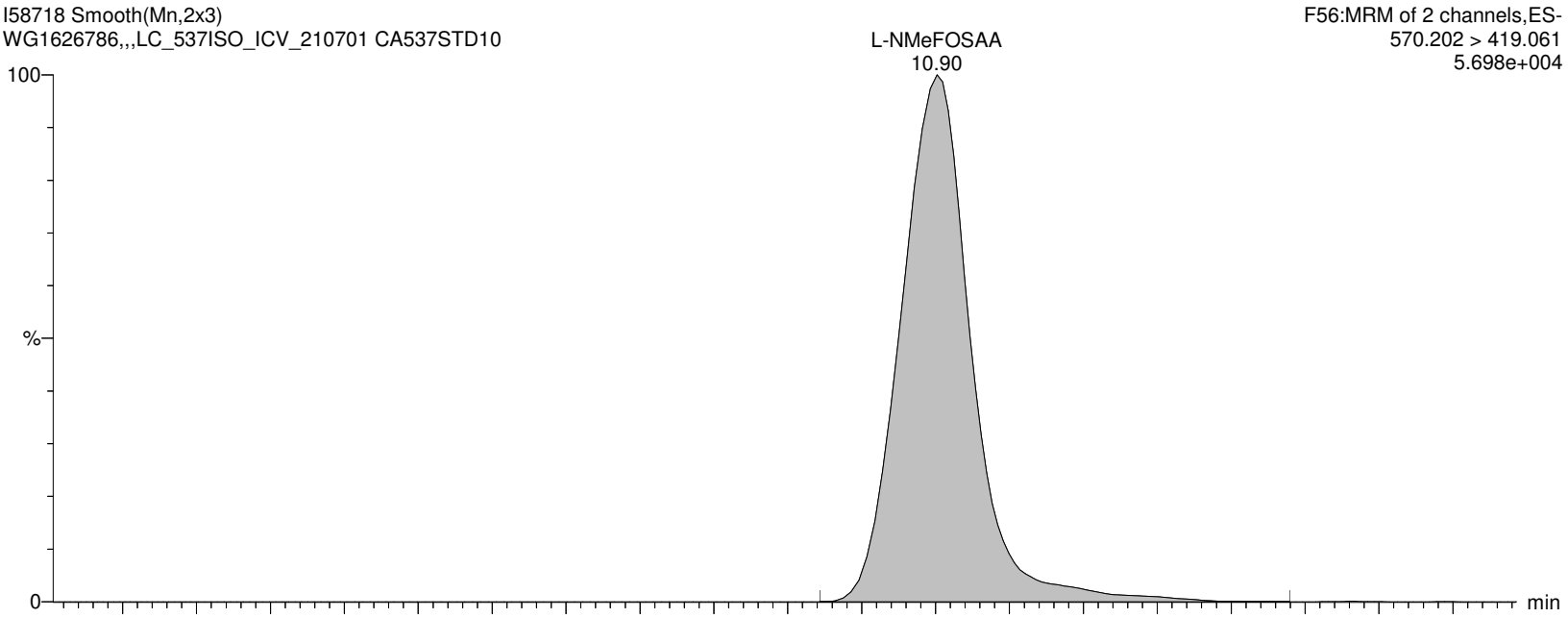


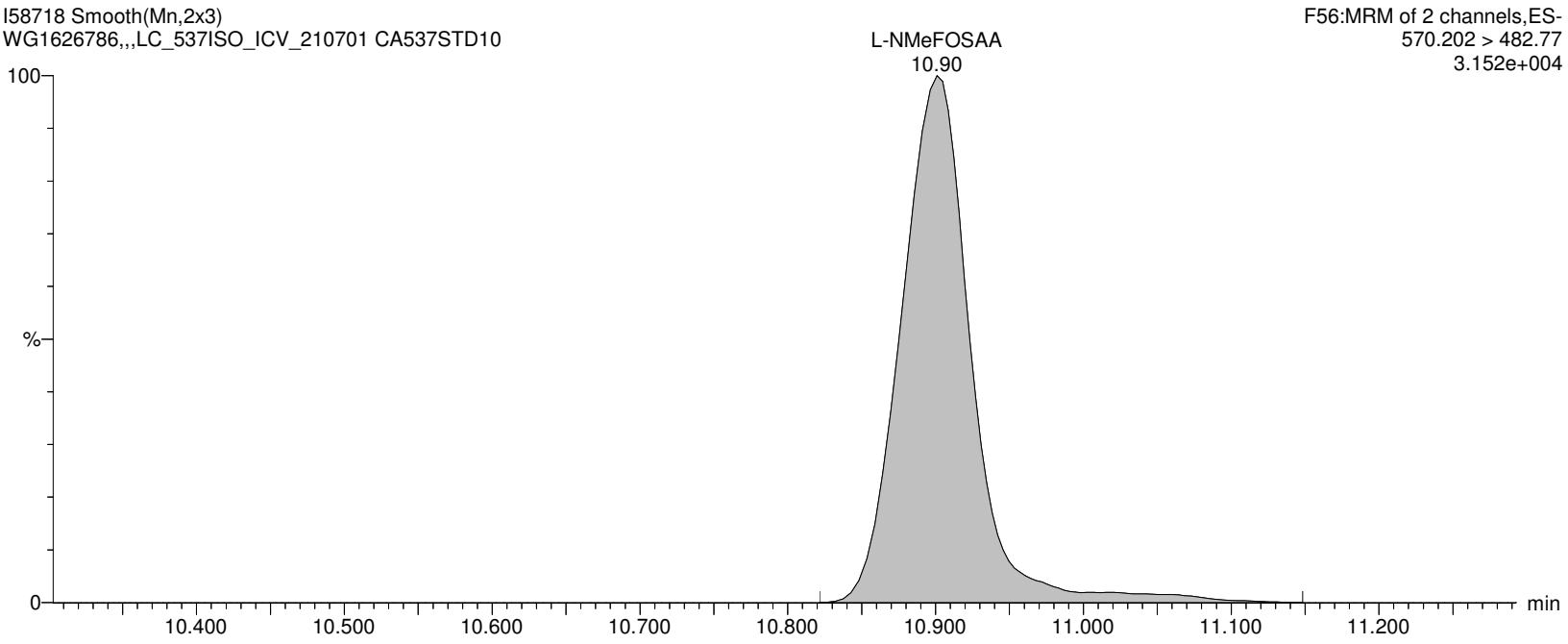
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Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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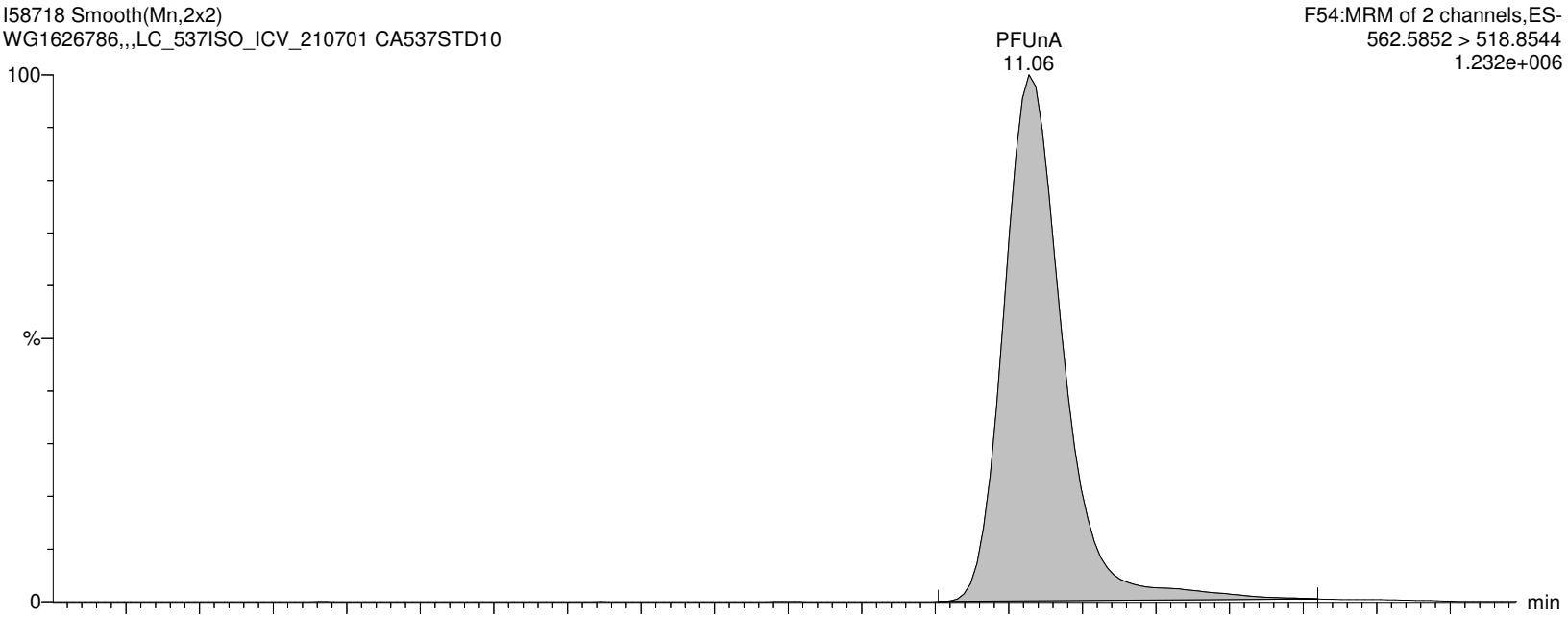


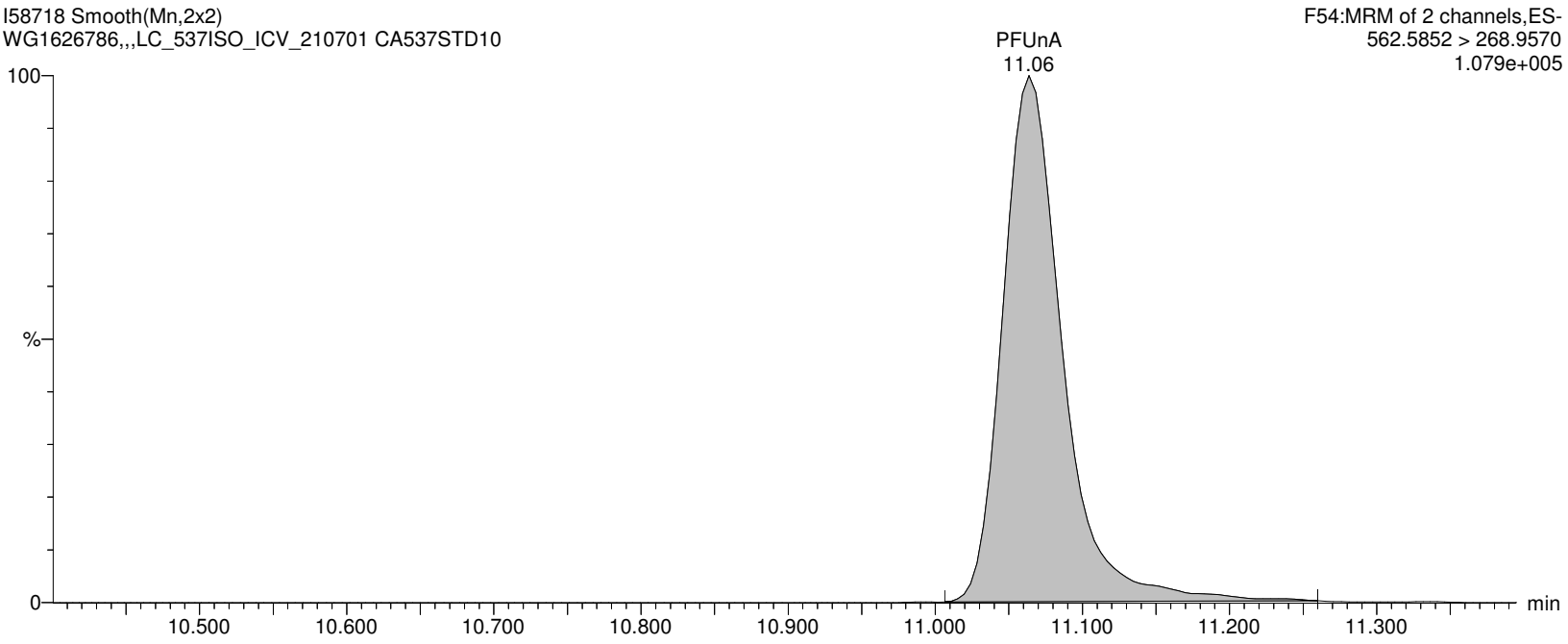
all concentration units in (ng/mL)

Alpha Analytical Inc.
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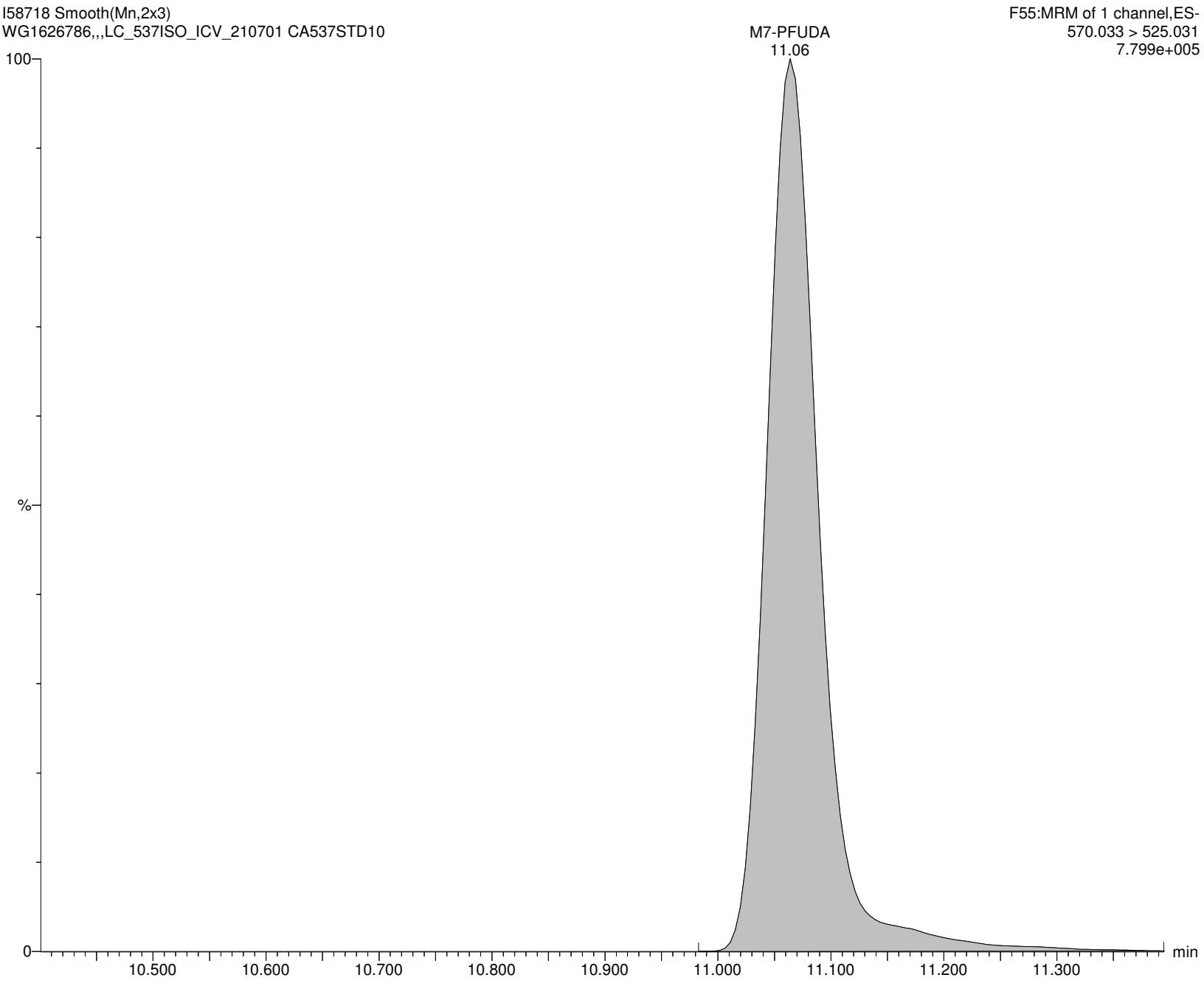


all concentration units in (ng/mL)

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M7-PFUDA

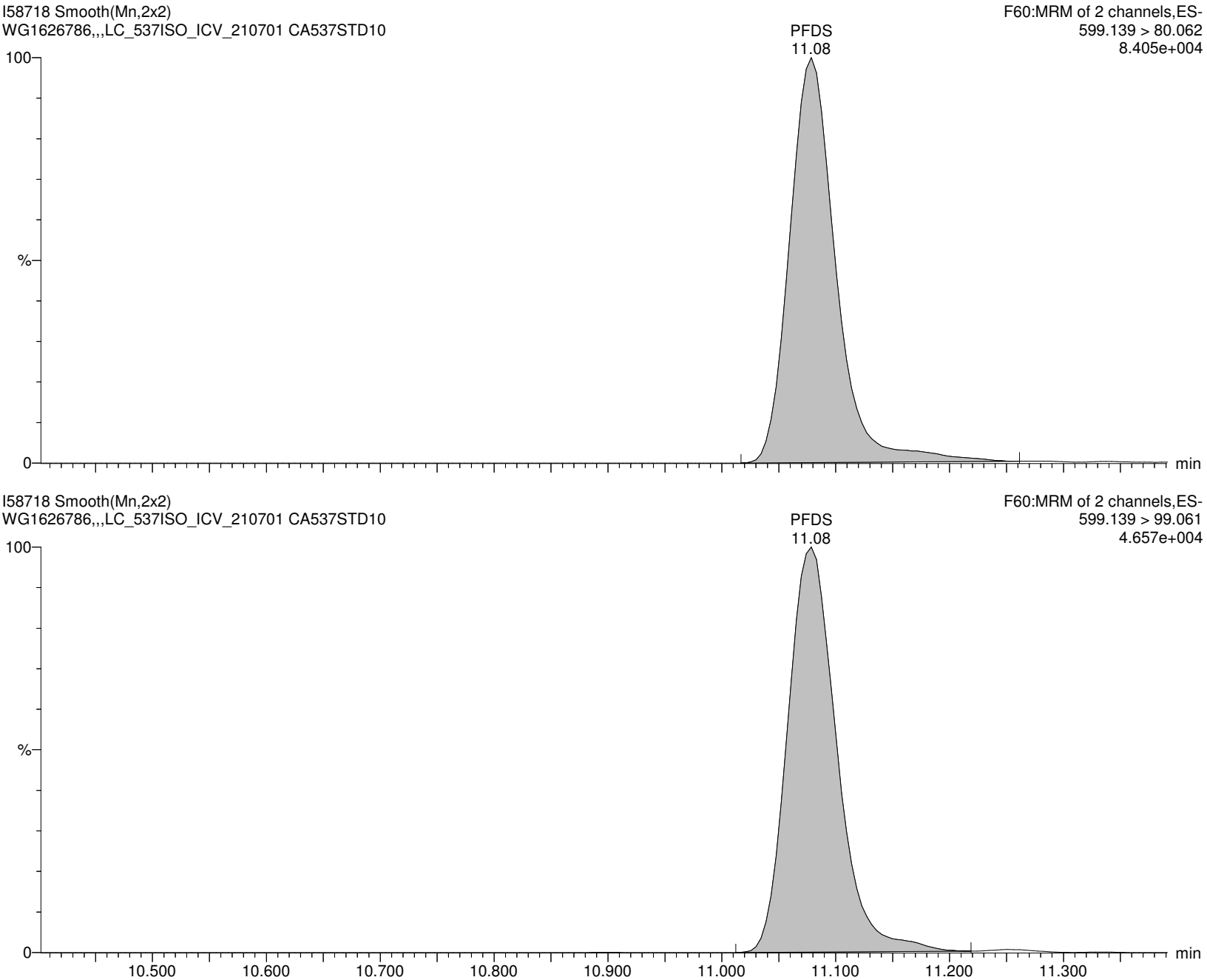


all concentration units in (ng/mL)

Alpha Analytical Inc.
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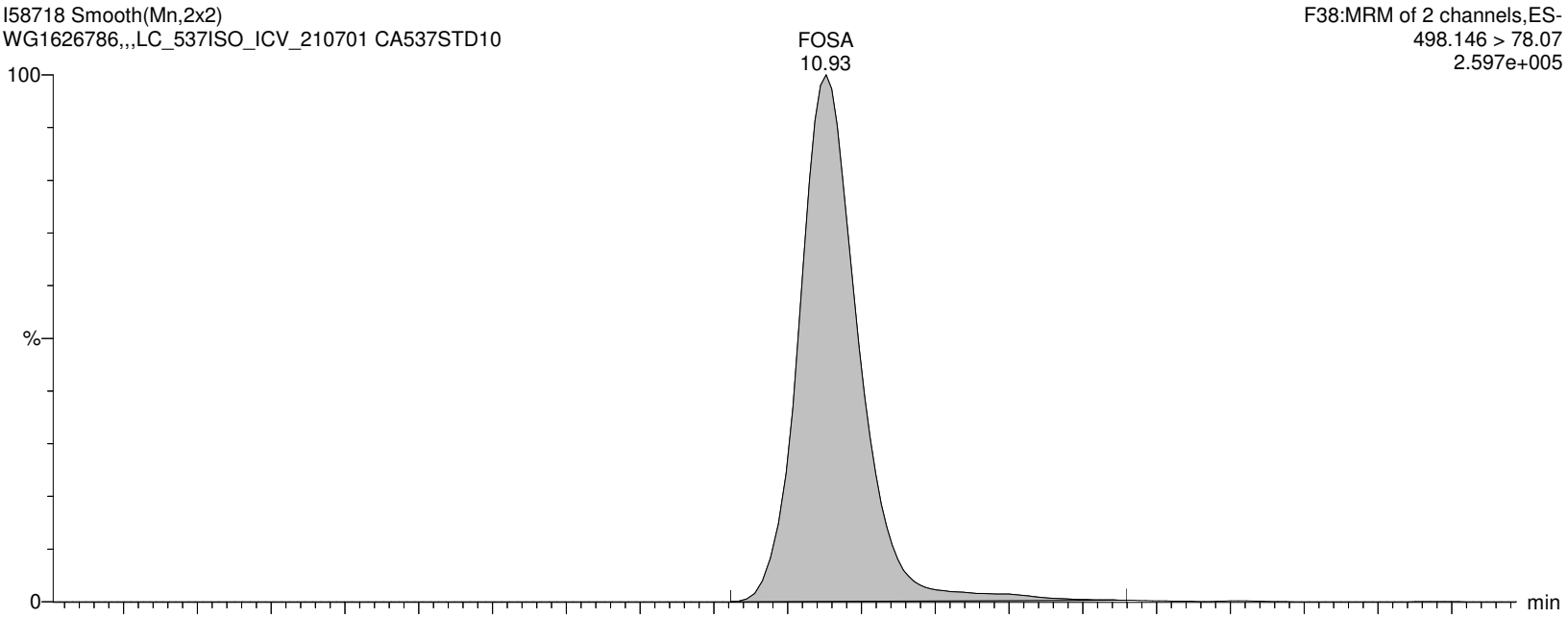


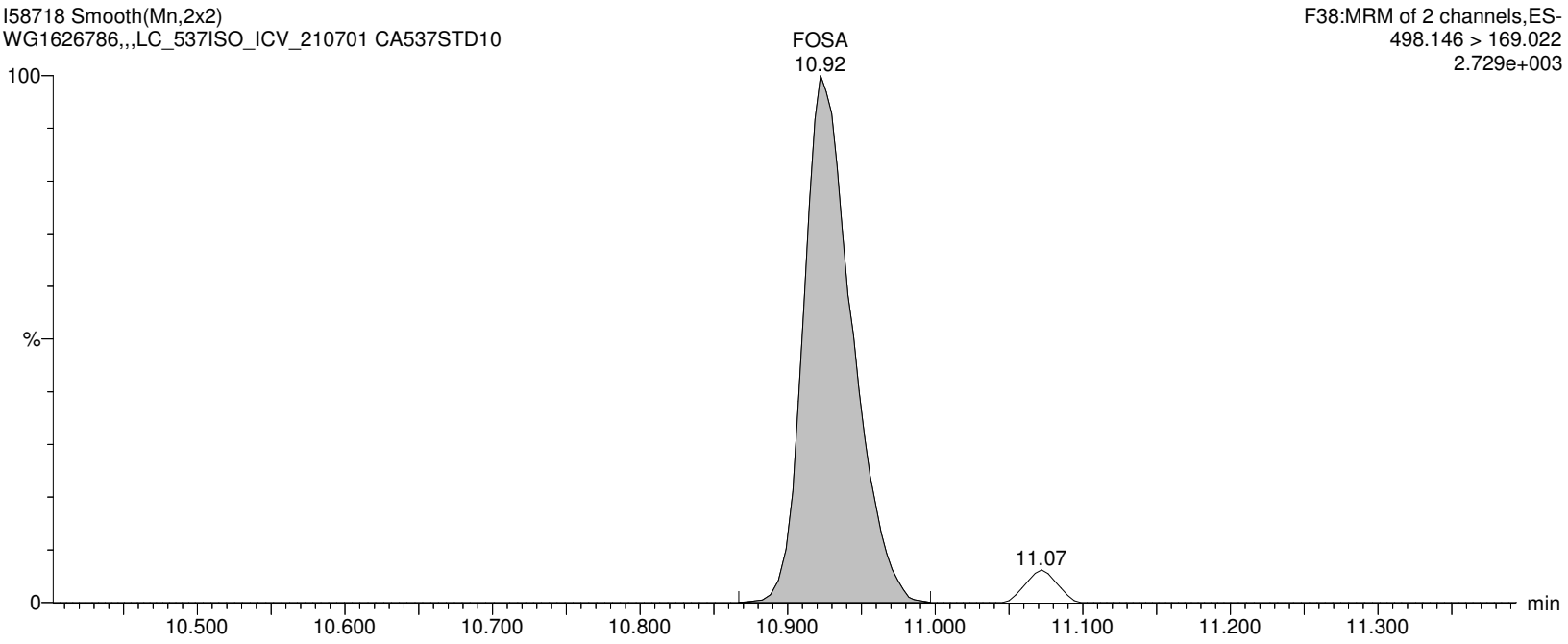
all concentration units in (ng/mL)

Alpha Analytical Inc.
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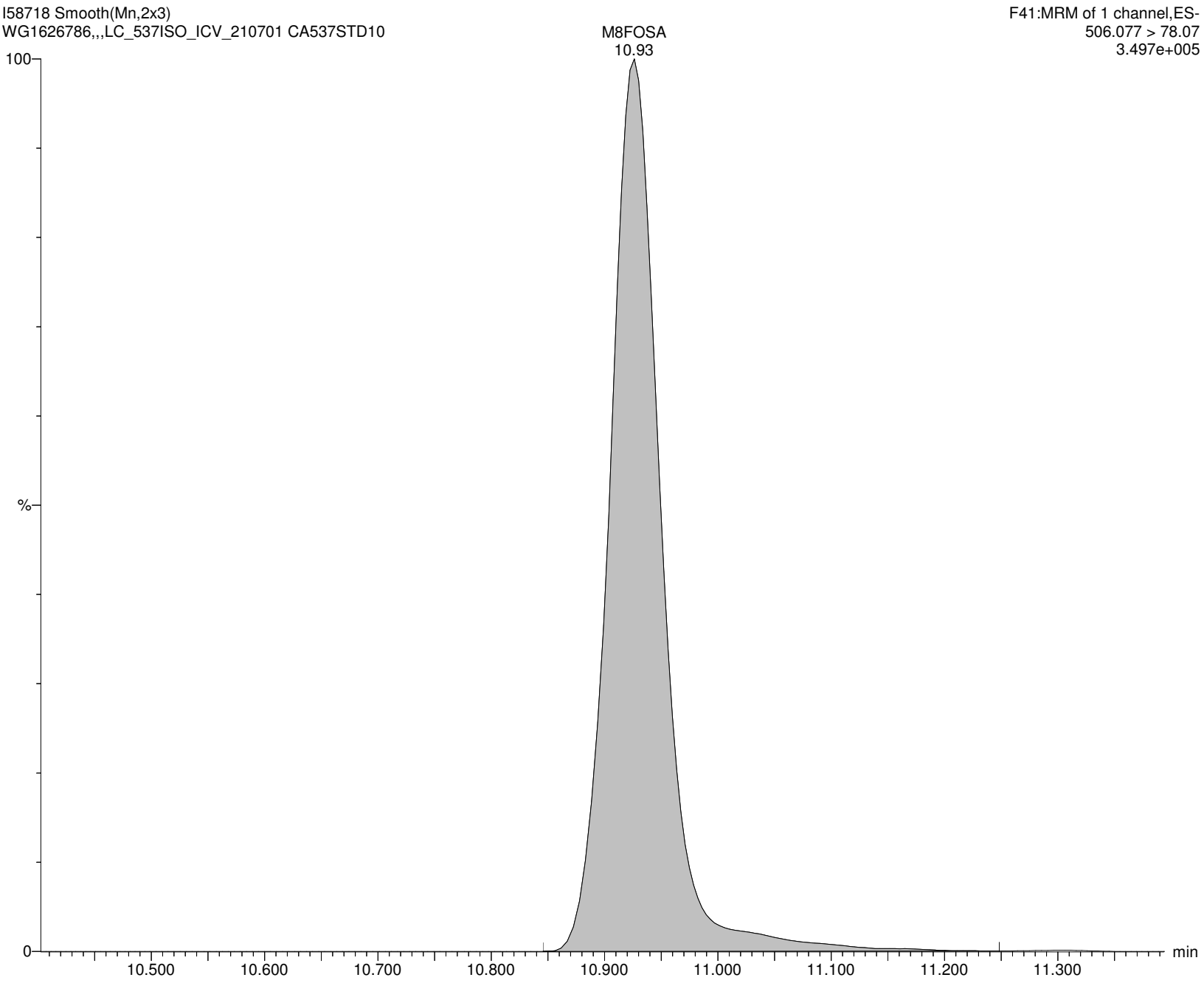


all concentration units in (ng/mL)

Alpha Analytical Inc.
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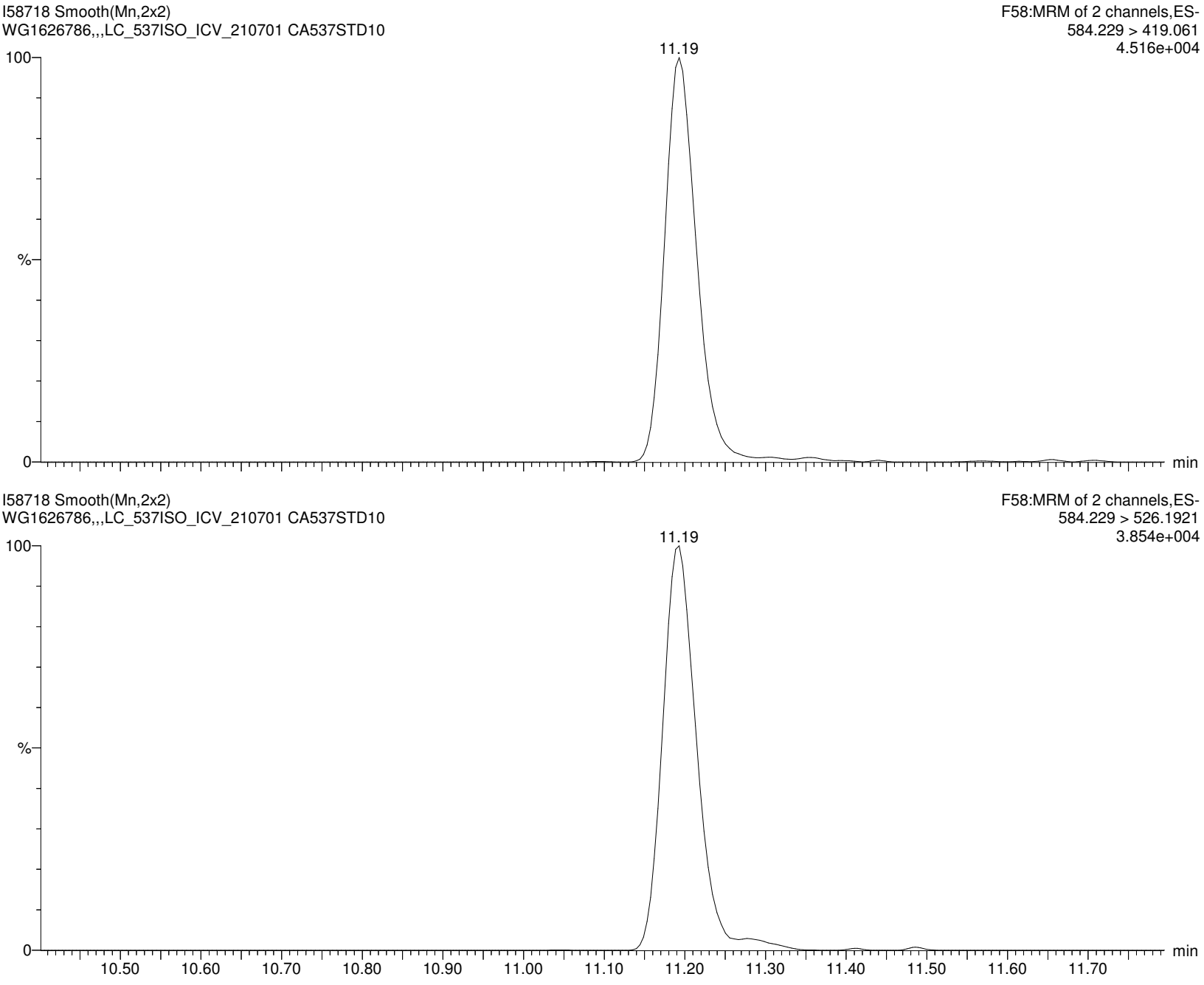


all concentration units in (ng/mL)

Alpha Analytical Inc.
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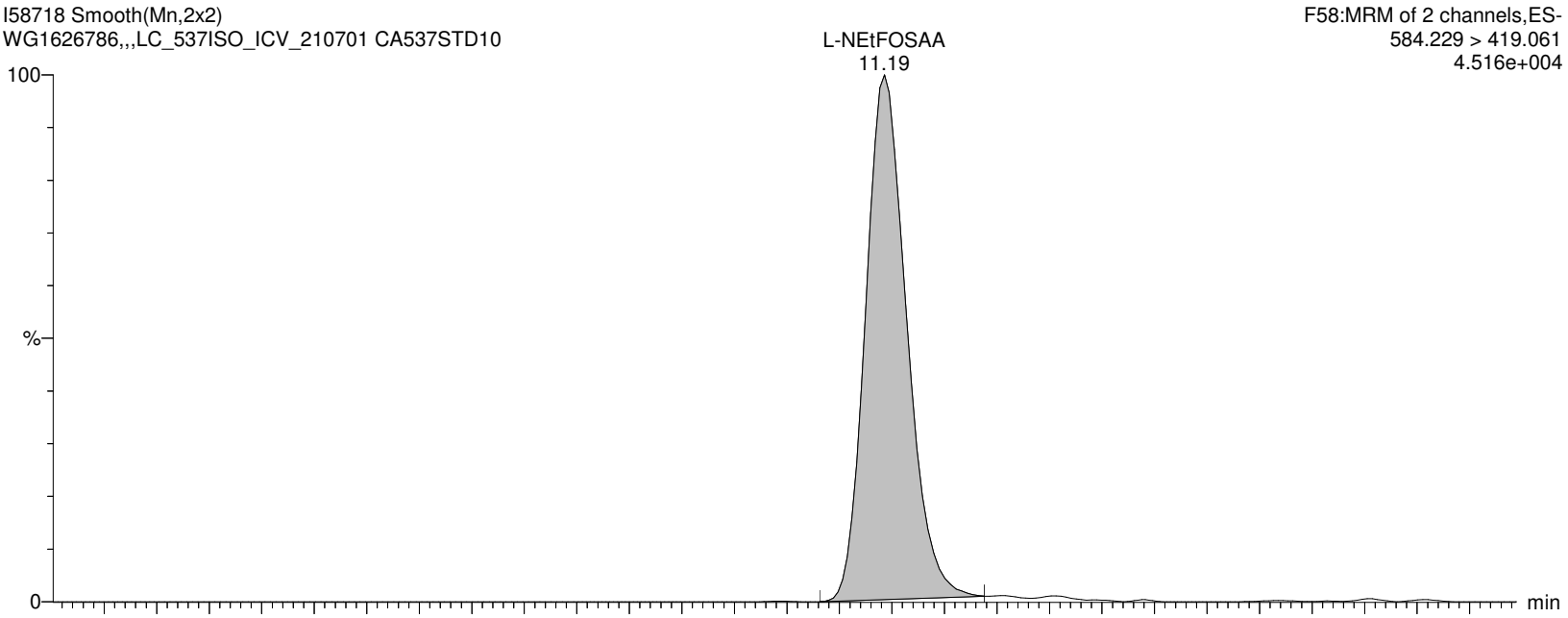


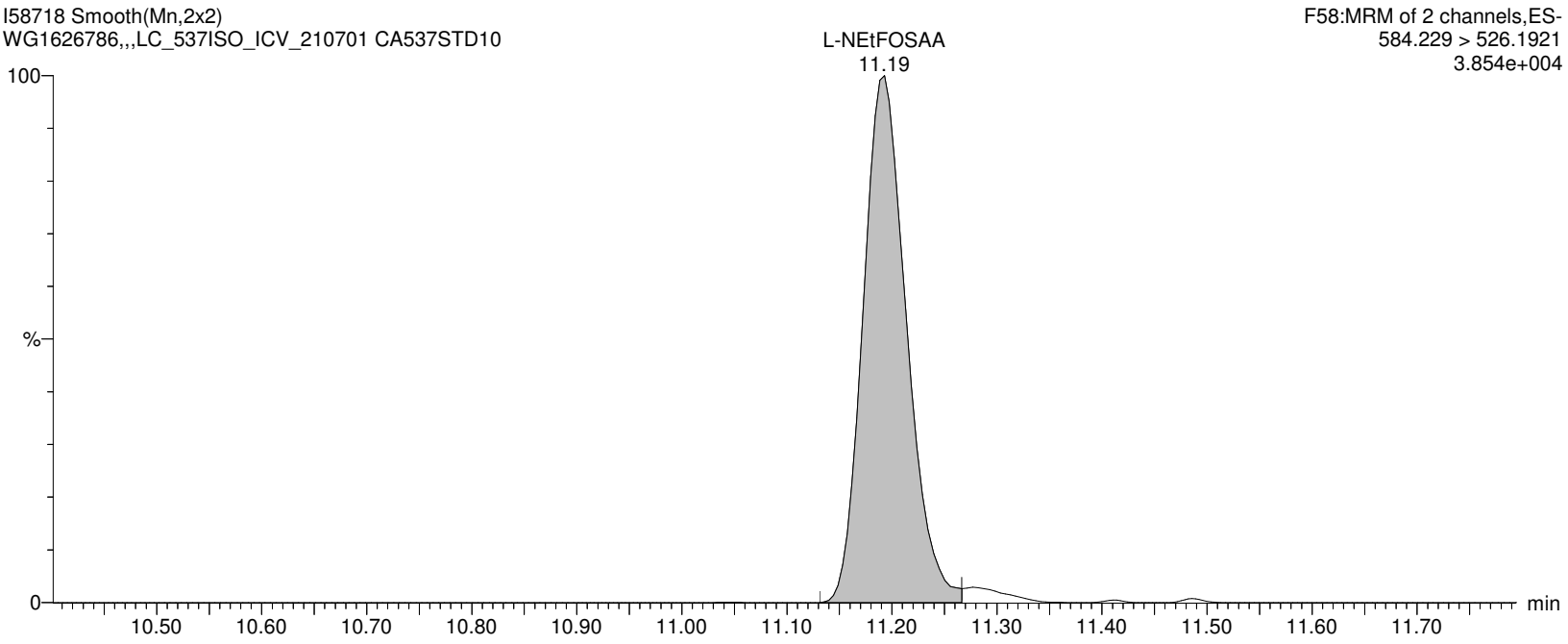
all concentration units in (ng/mL)

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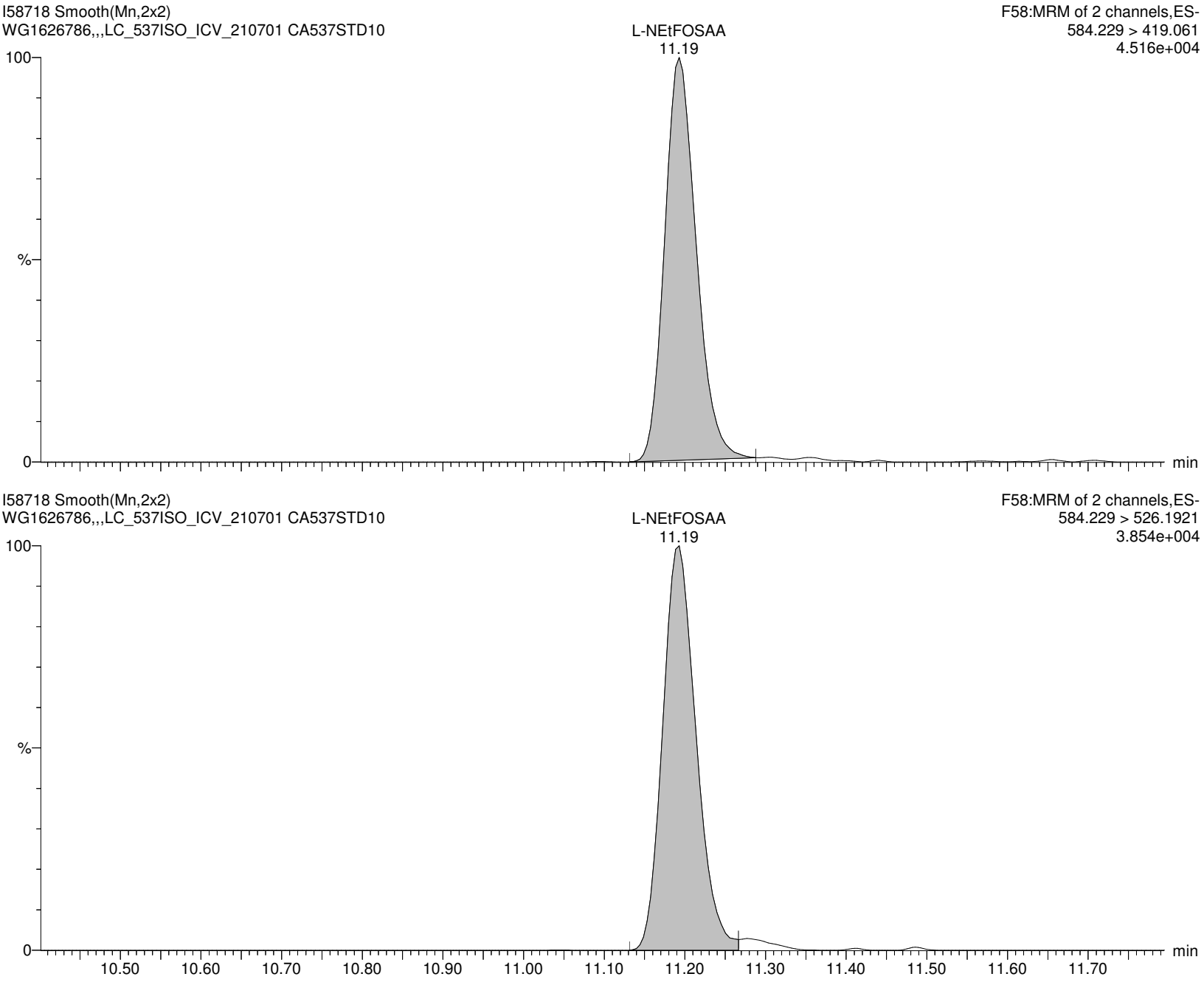


all concentration units in (ng/mL)

Alpha Analytical Inc.
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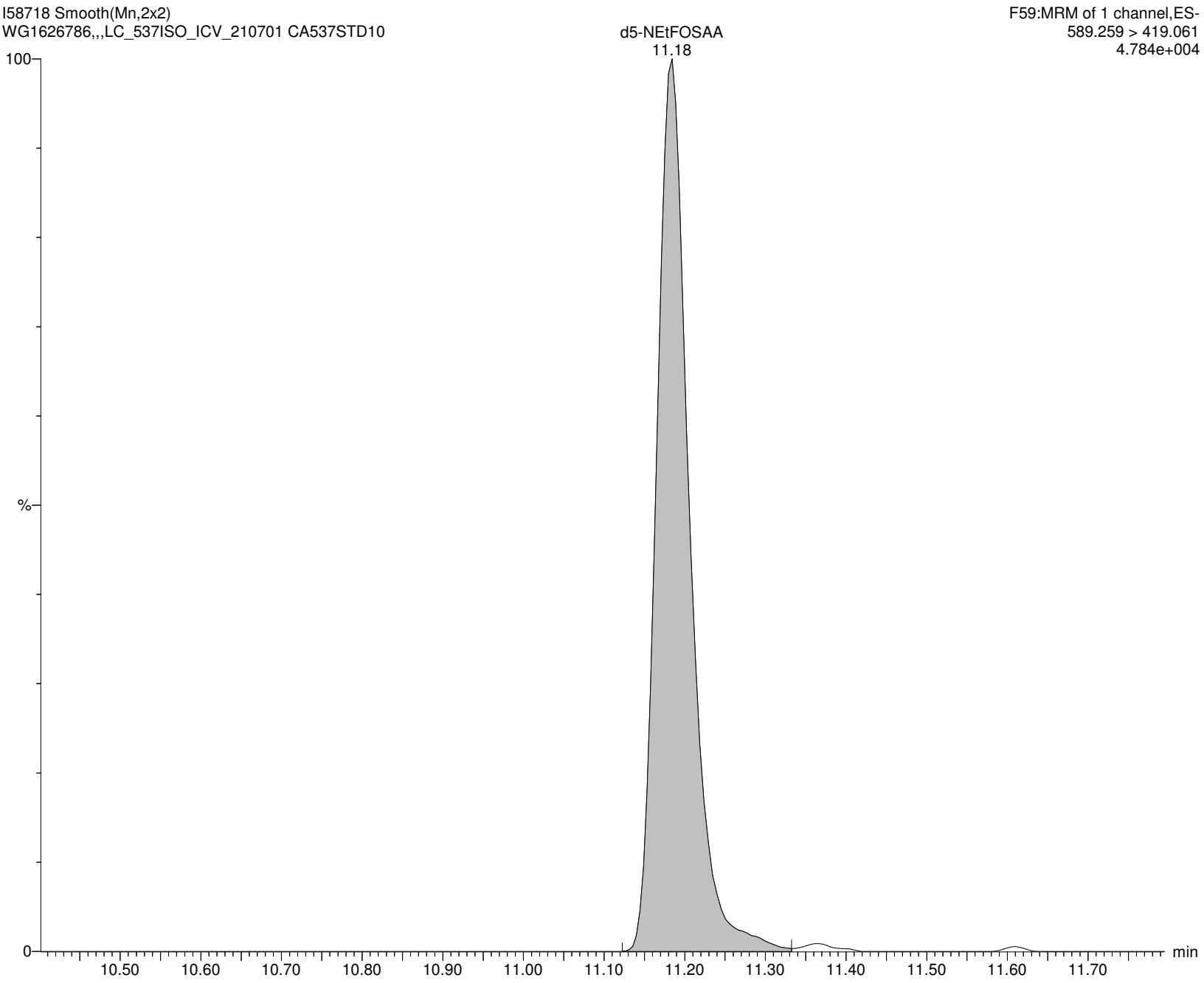


all concentration units in (ng/mL)

Alpha Analytical Inc.
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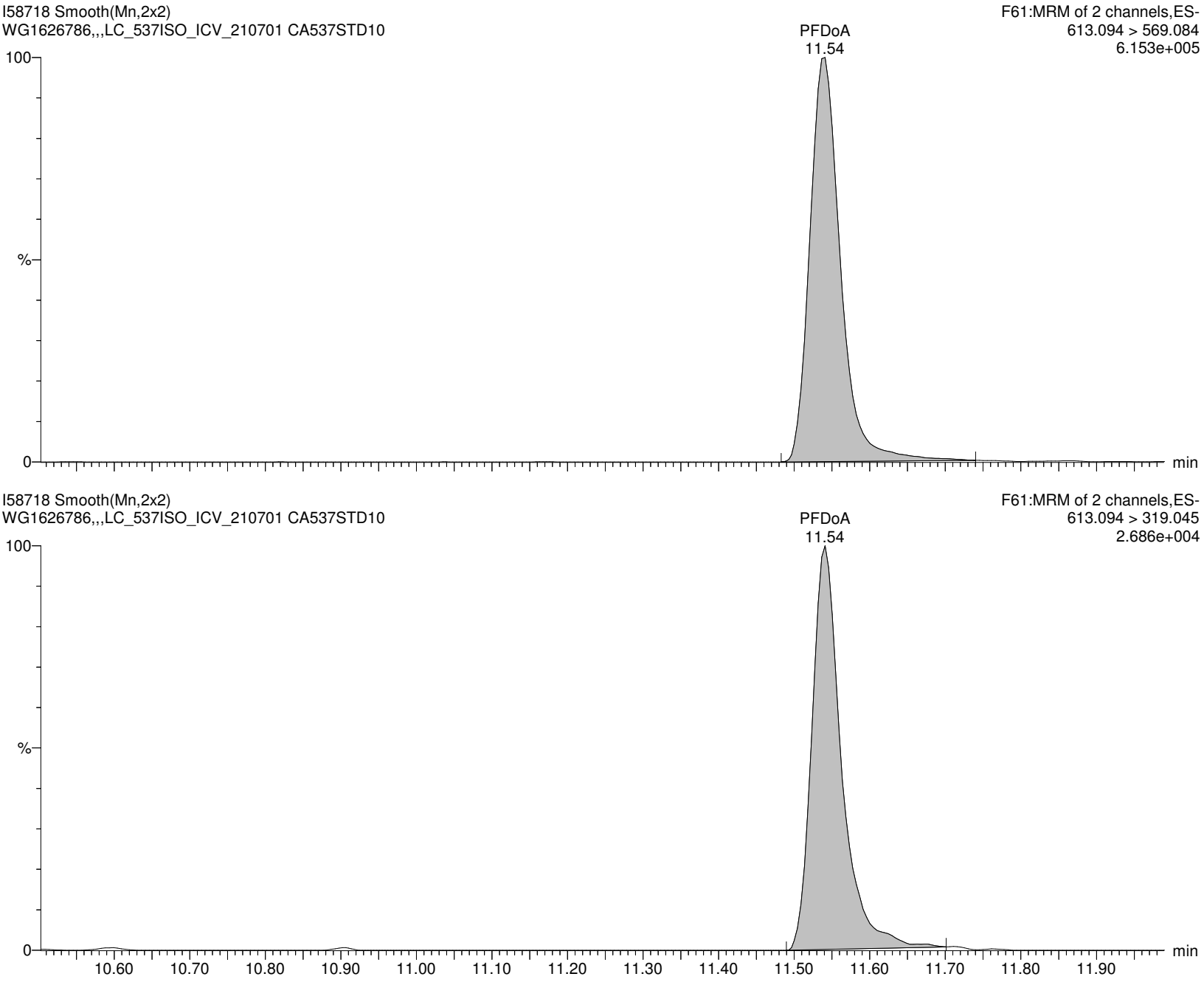


all concentration units in (ng/mL)

Alpha Analytical Inc.
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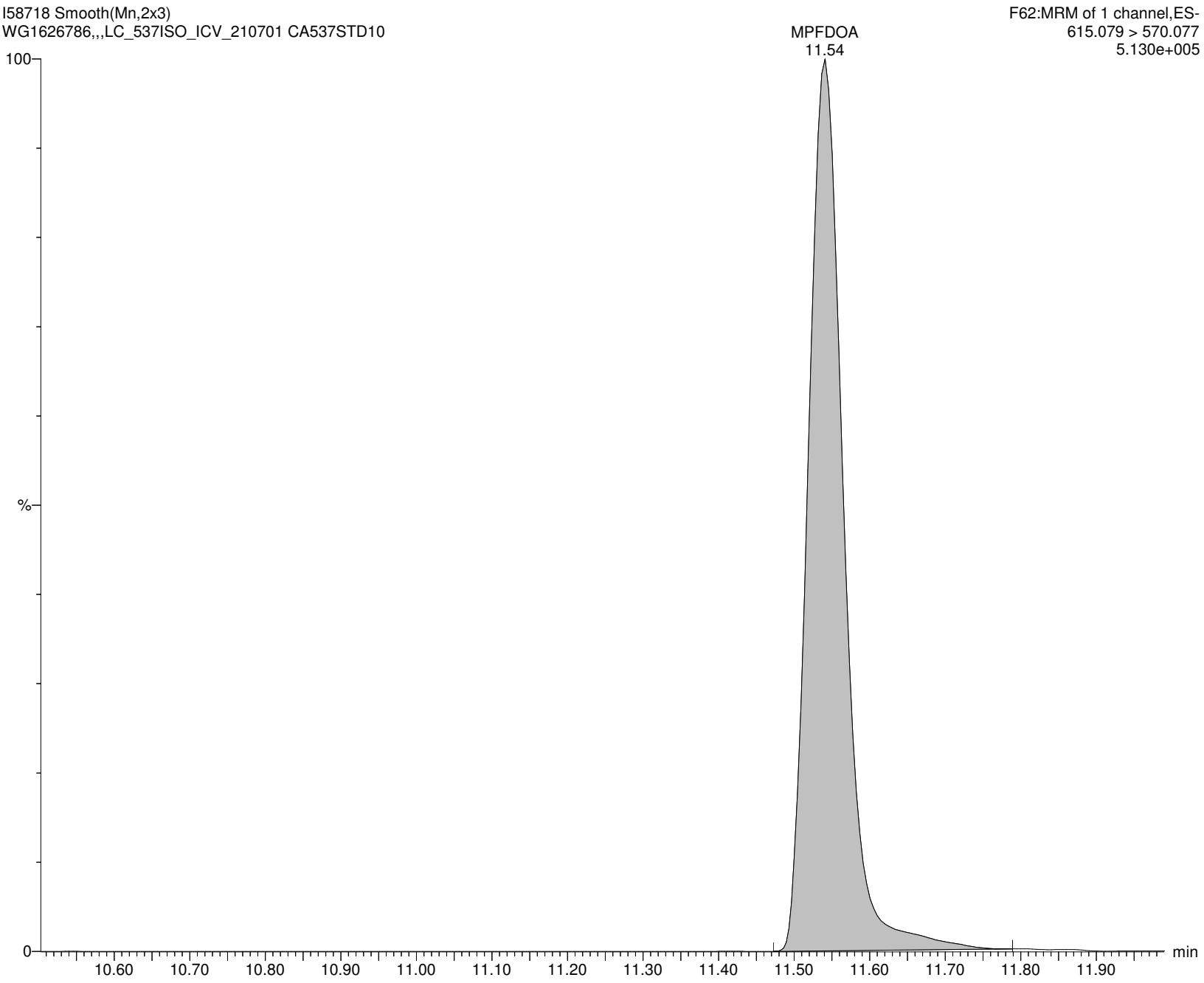


all concentration units in (ng/mL)

Alpha Analytical Inc.
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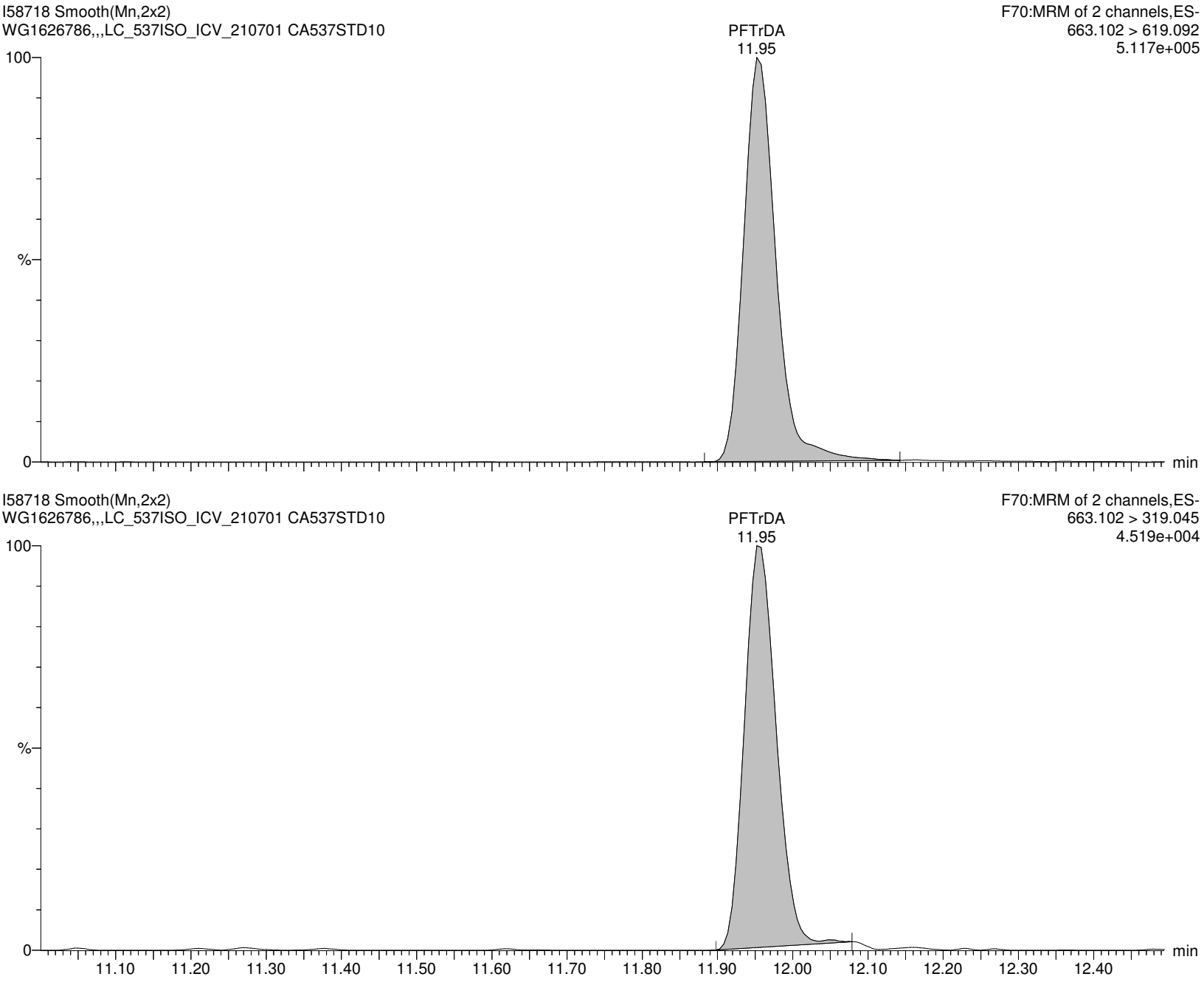


all concentration units in (ng/mL)

Alpha Analytical Inc.
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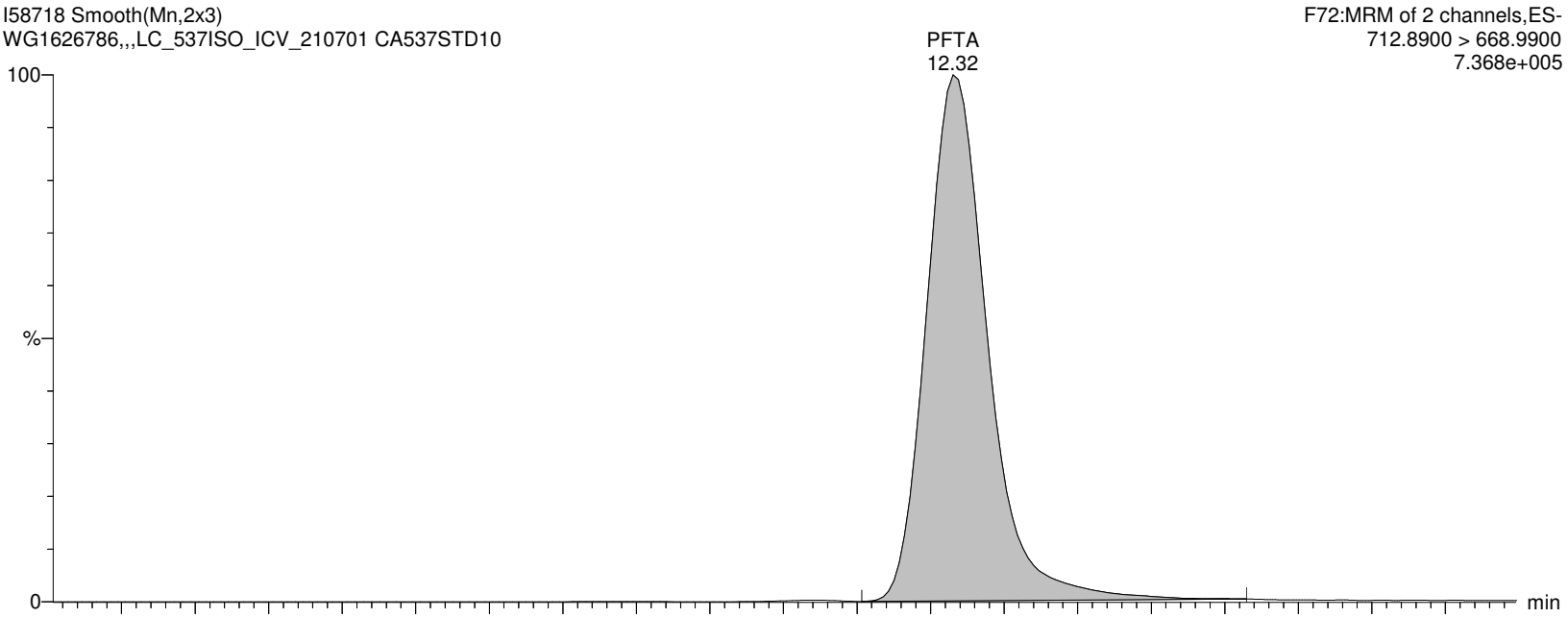


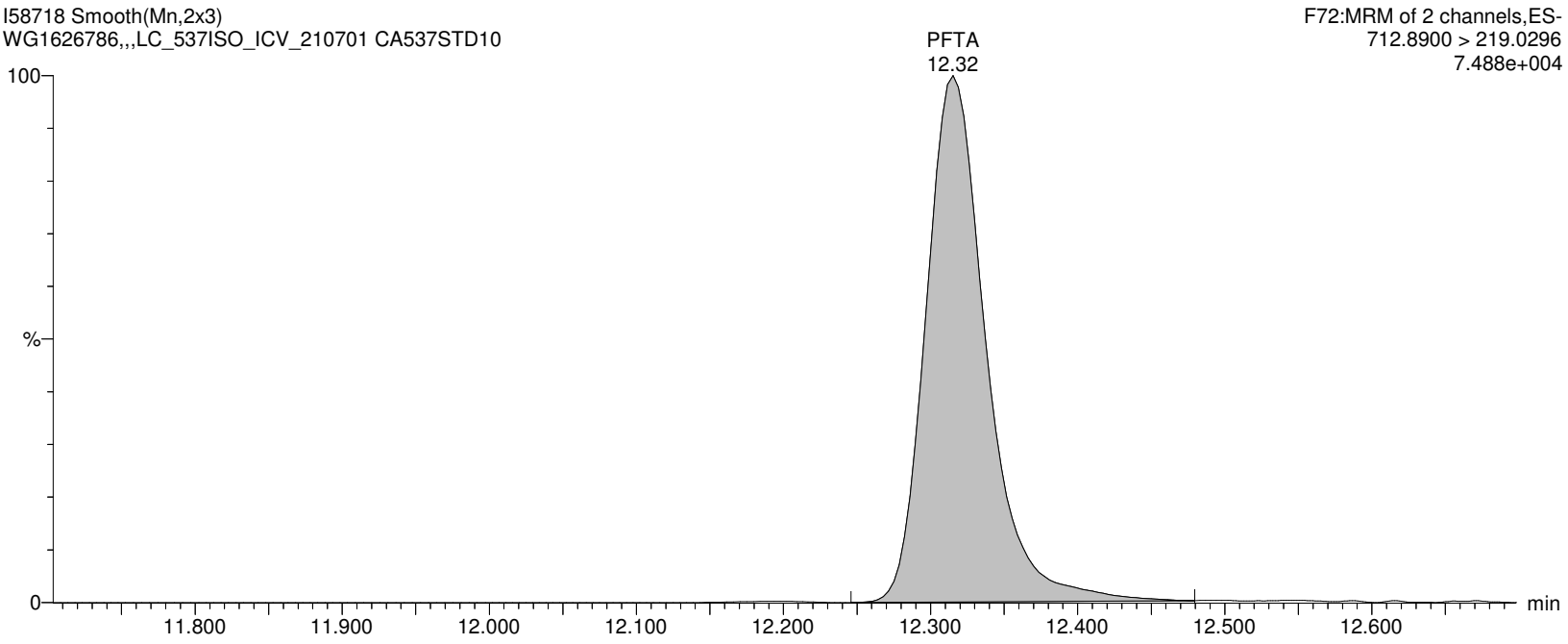
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
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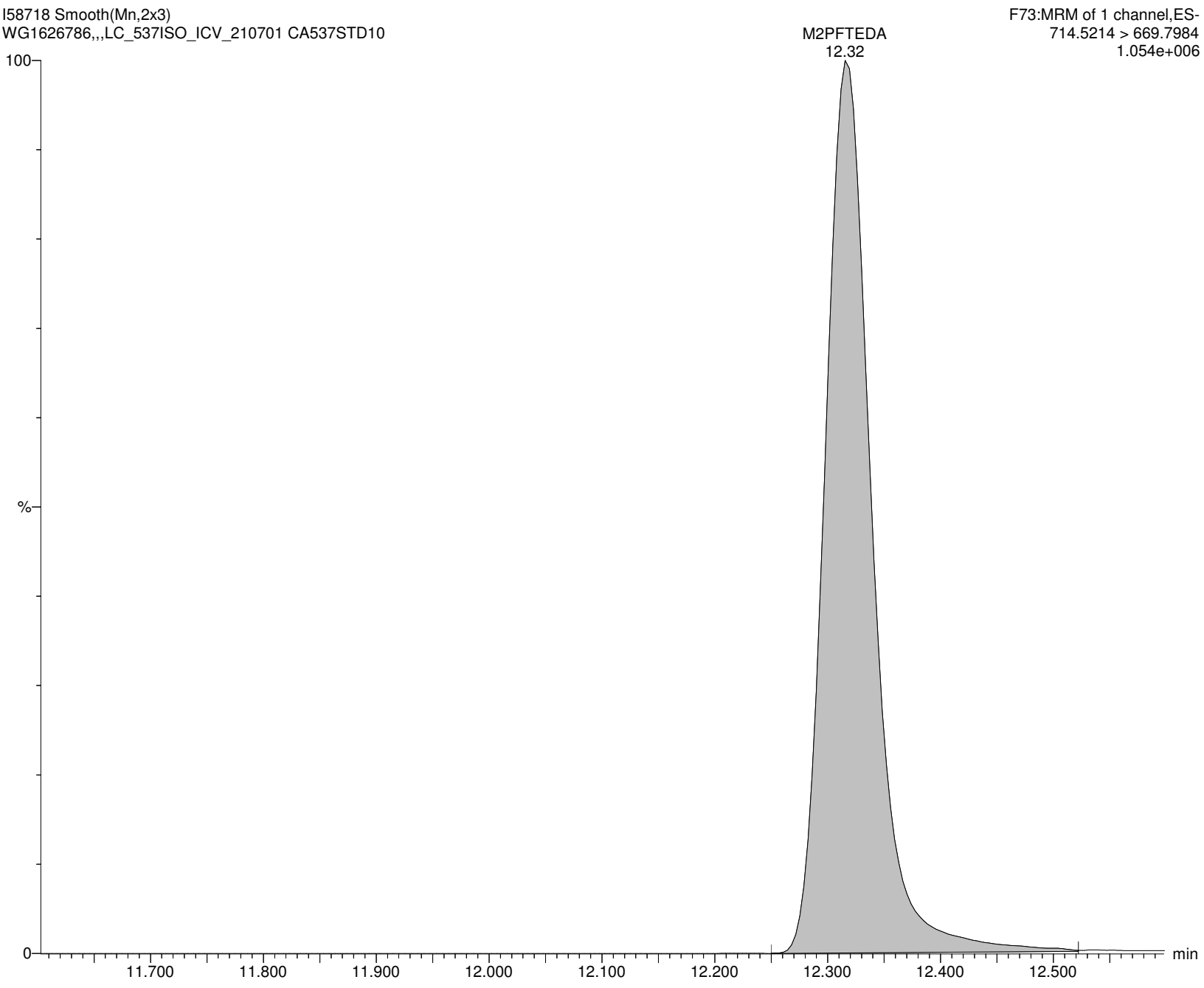


all concentration units in (ng/mL)

Alpha Analytical Inc.
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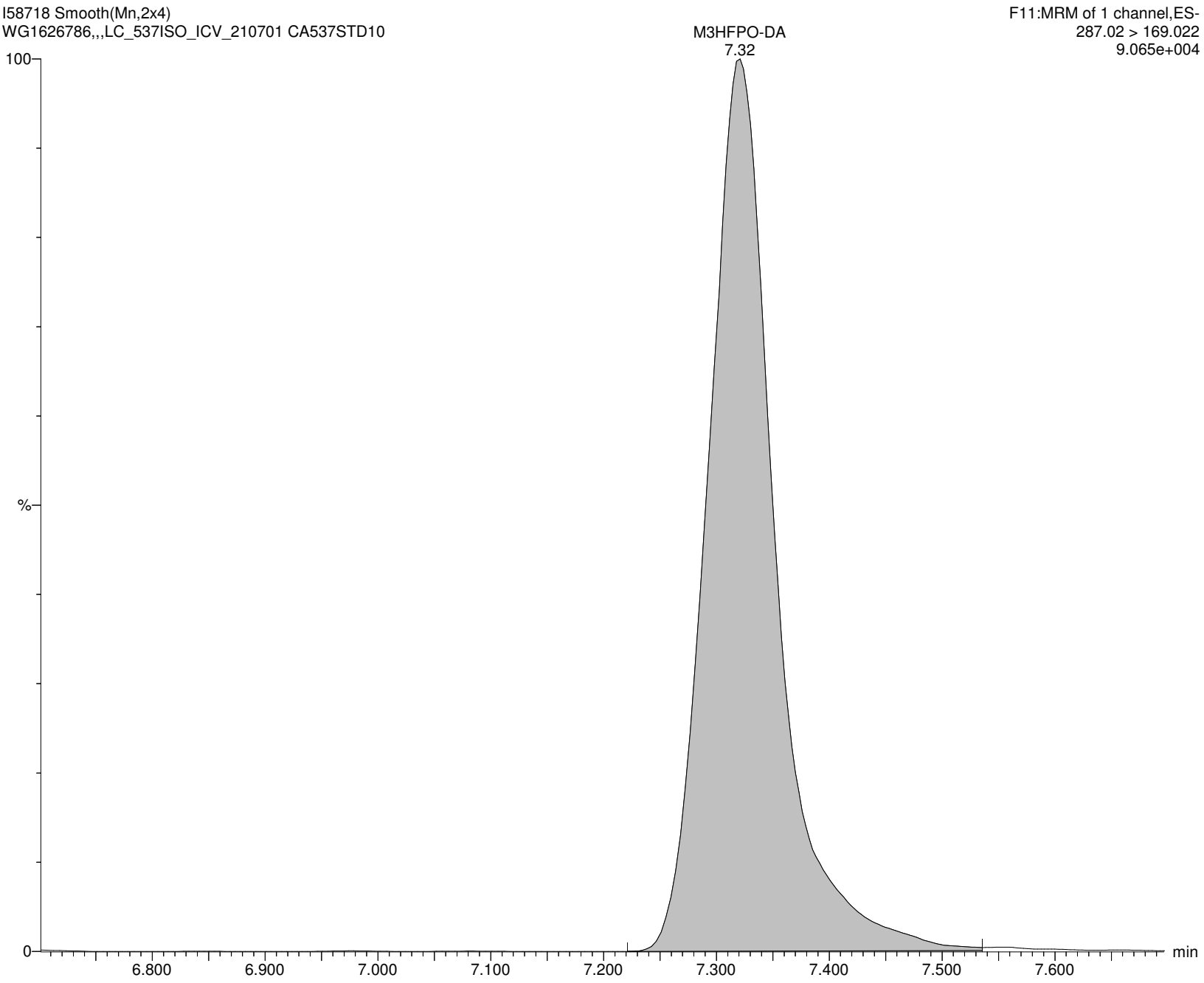


all concentration units in (ng/mL)

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M3HFPO-DA

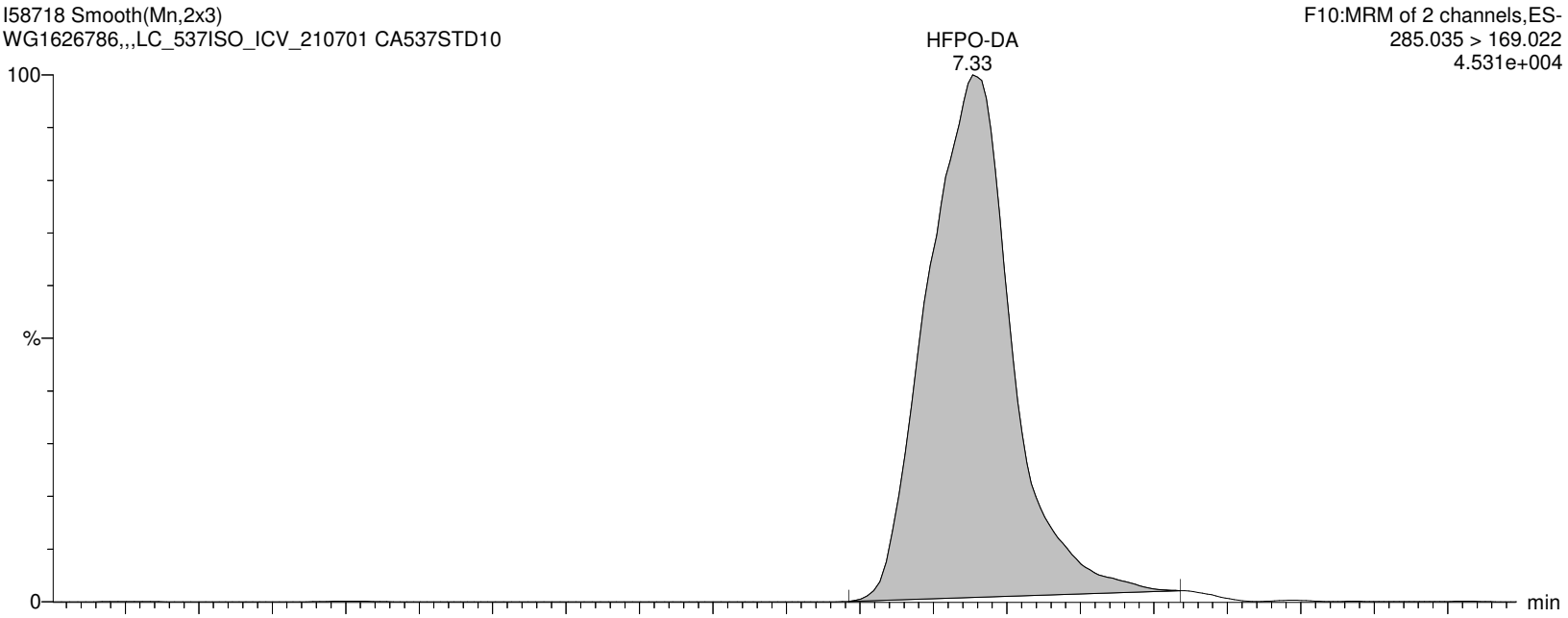


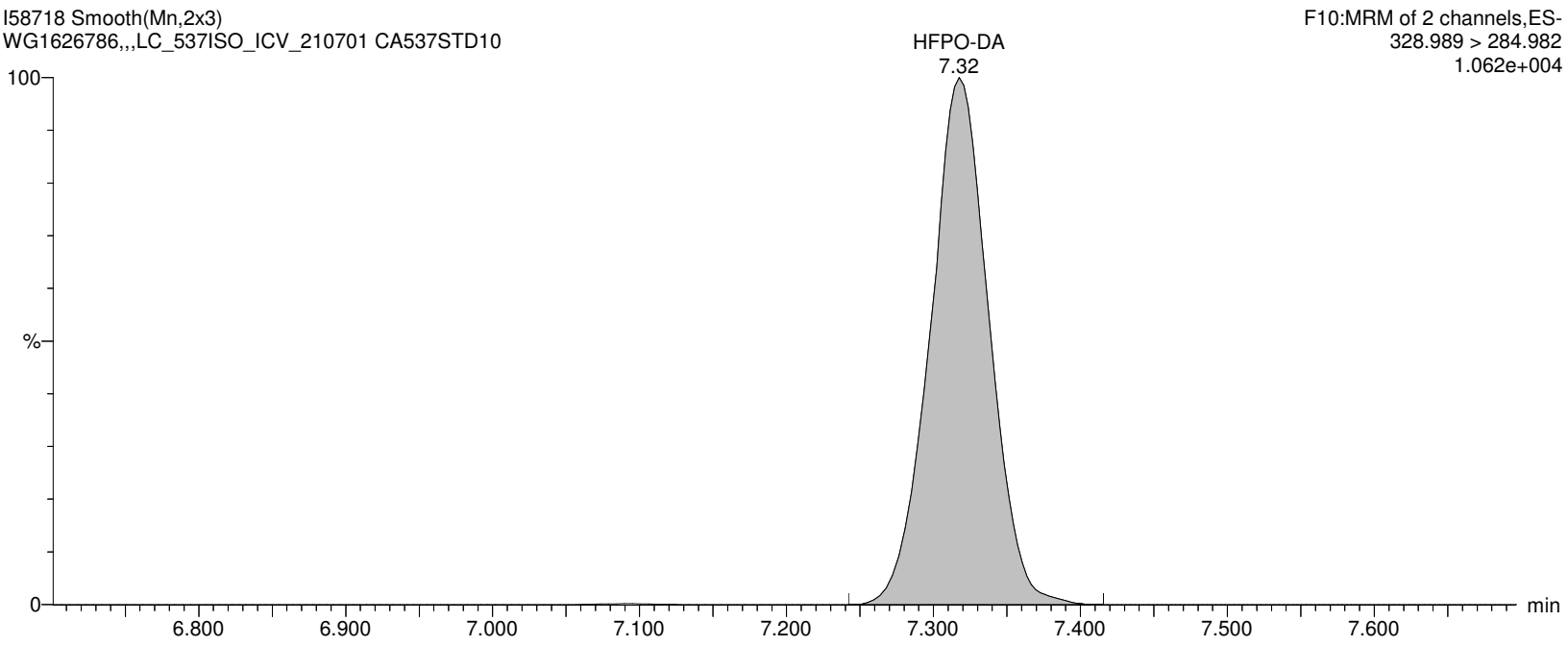
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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Date: 13-Apr-2022
Time: 20:09:30
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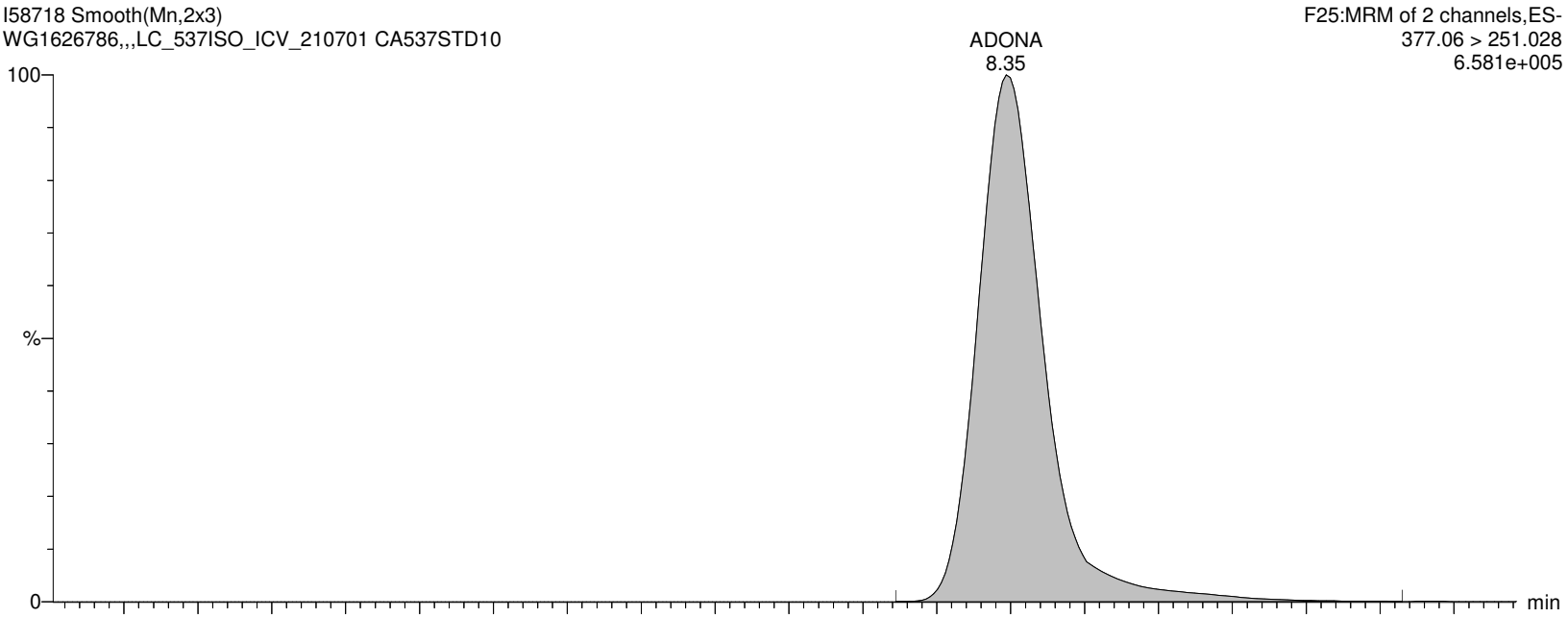


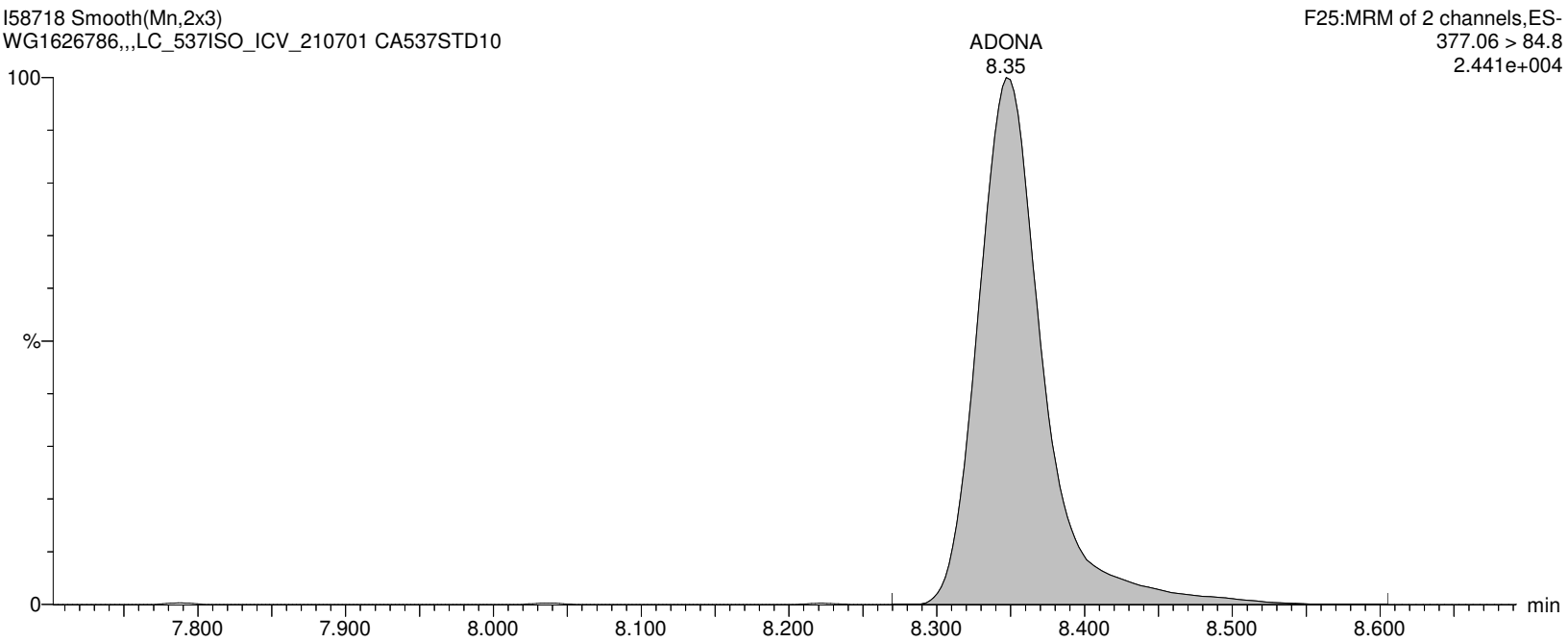
all concentration units in (ng/mL)

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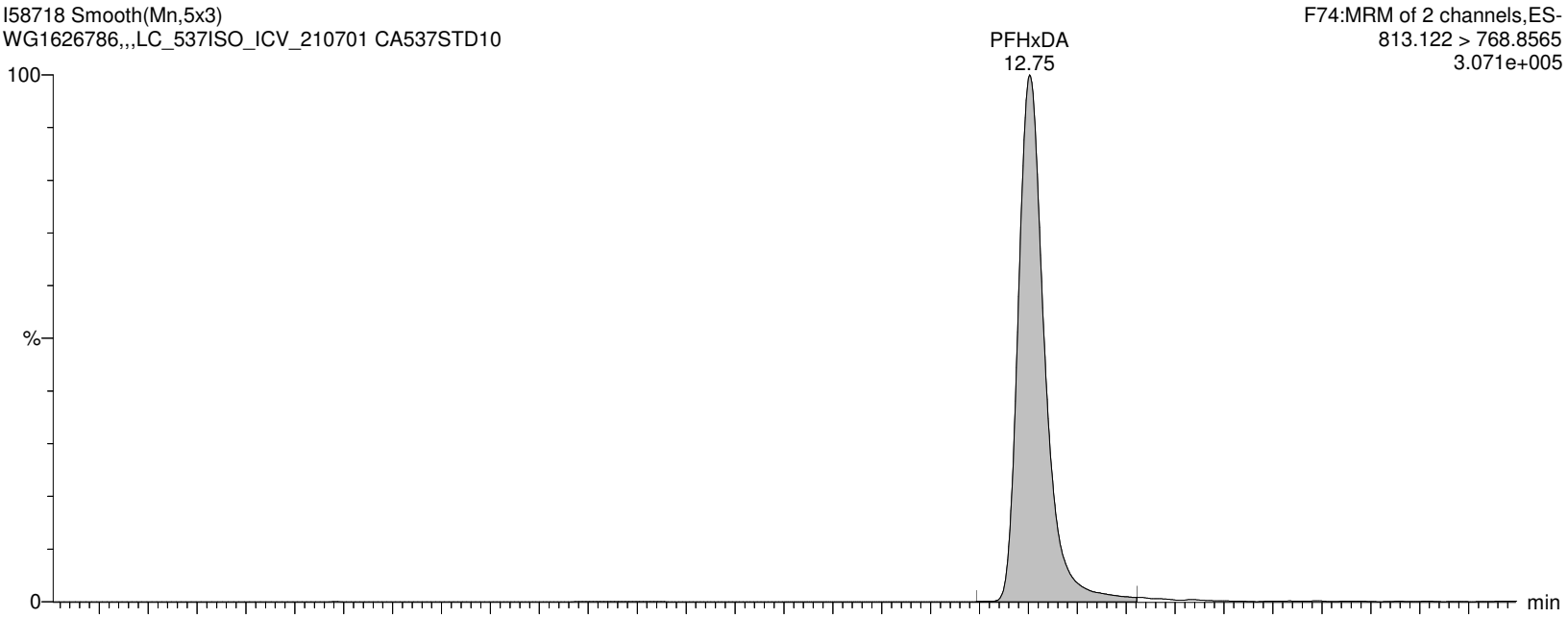


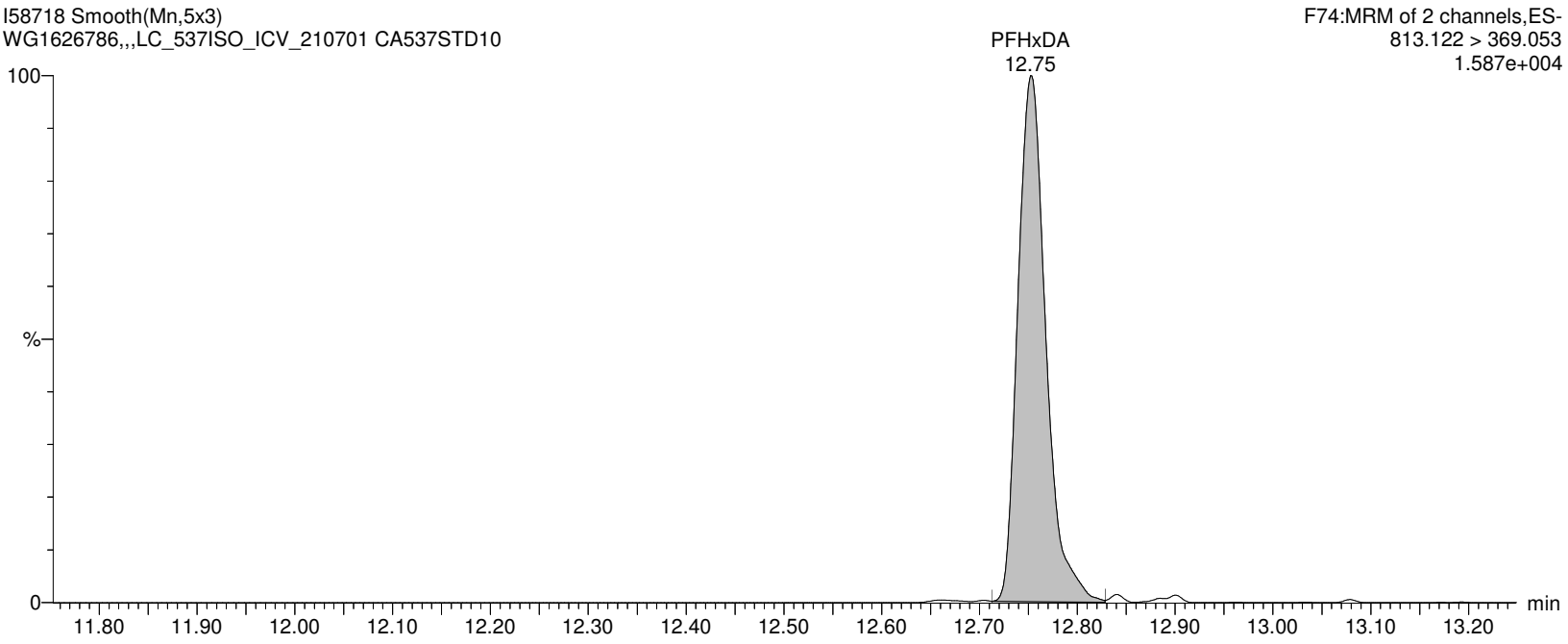
all concentration units in (ng/mL)

Alpha Analytical Inc.
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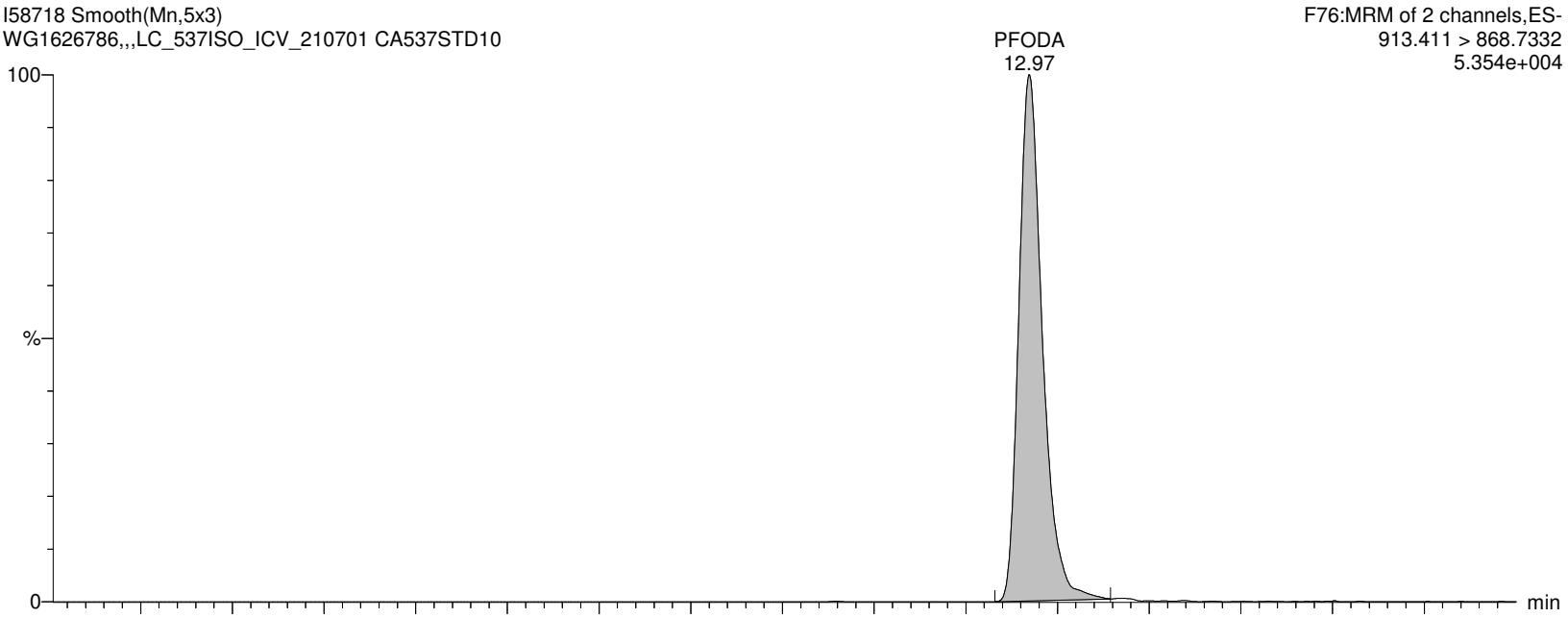


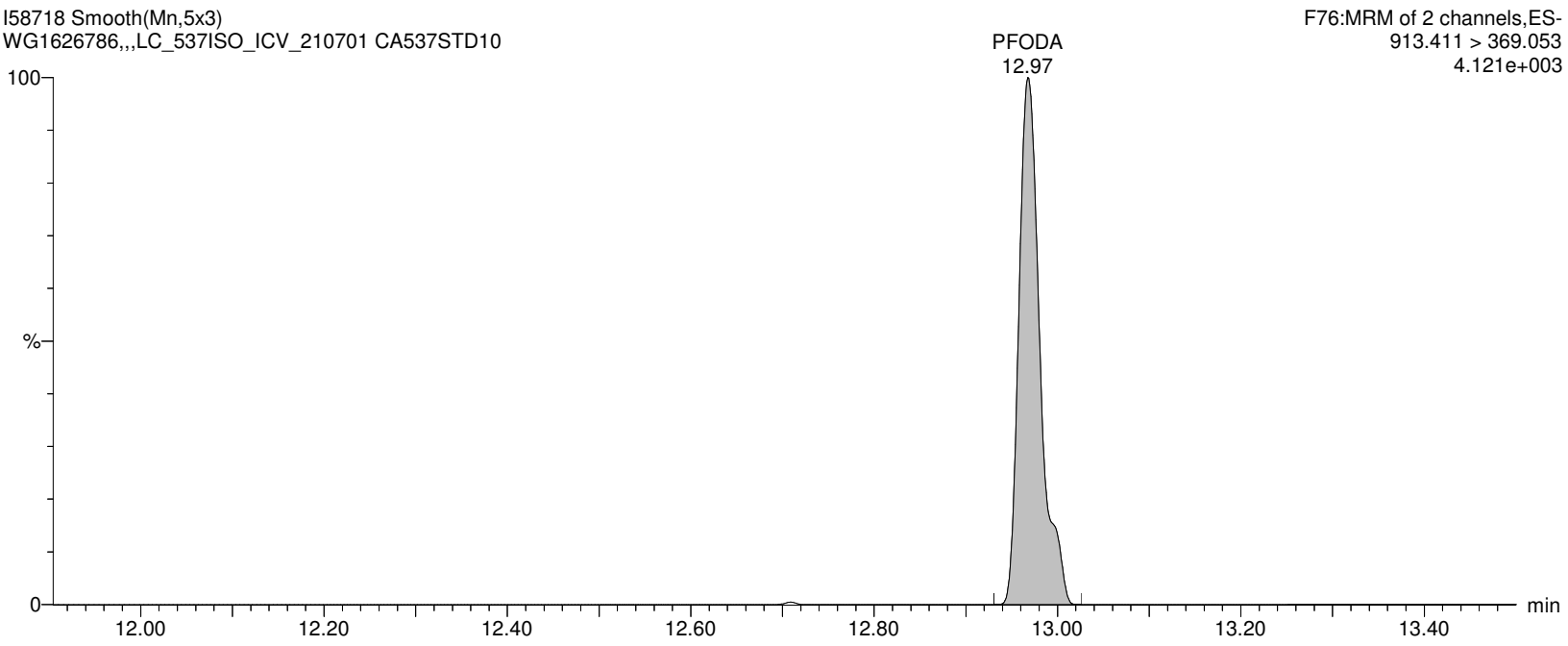
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFODA



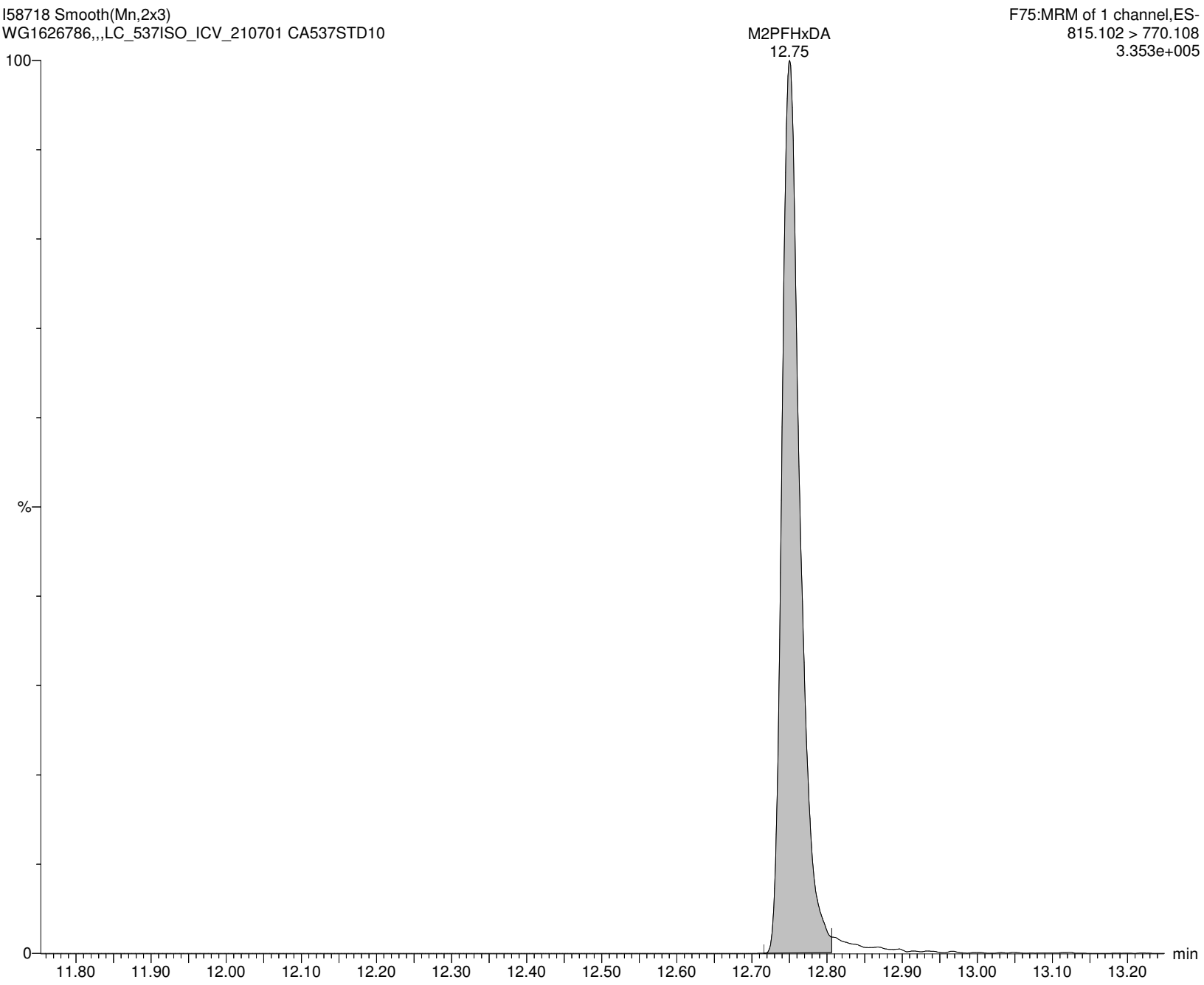


all concentration units in (ng/mL)

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M2PFHxDA

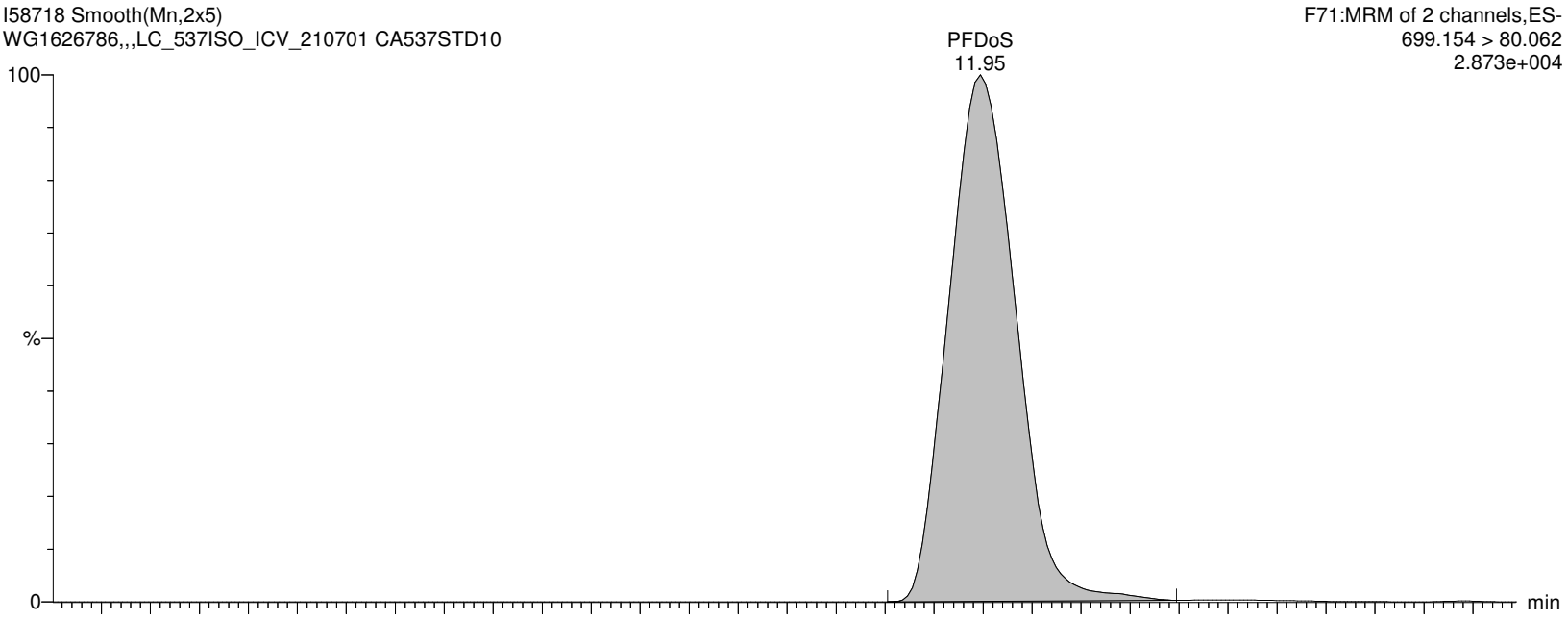


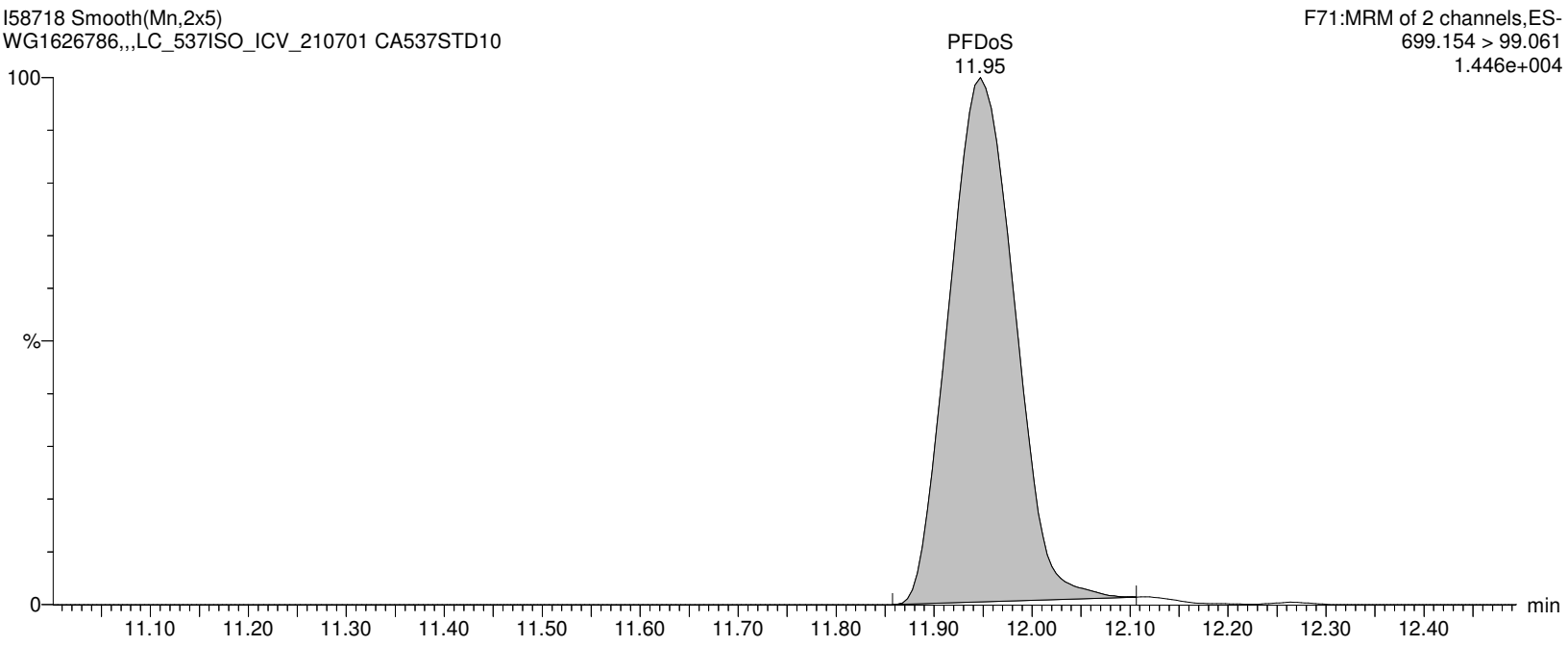
all concentration units in (ng/mL)

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PFDoS



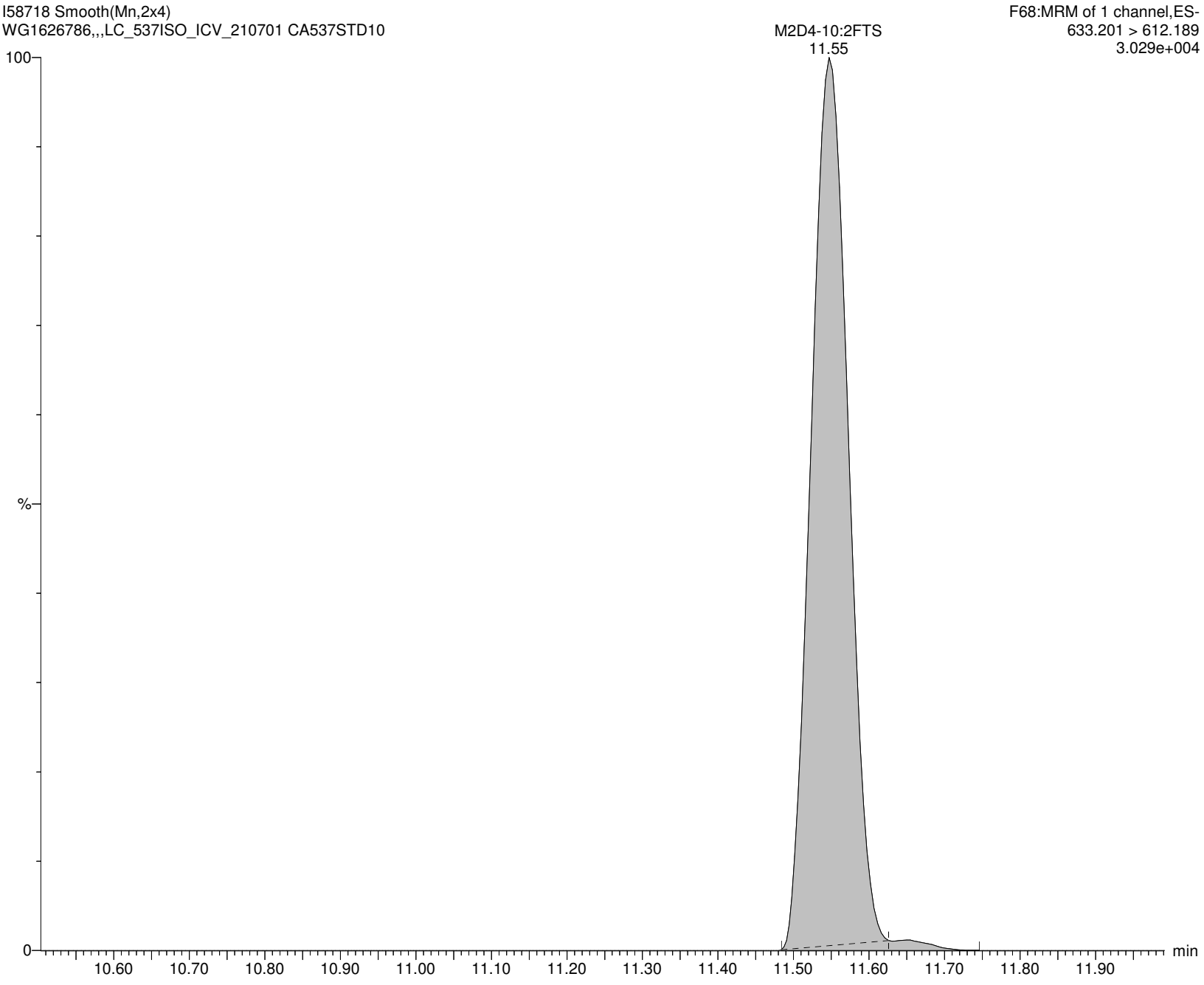


all concentration units in (ng/mL)

Alpha Analytical Inc.
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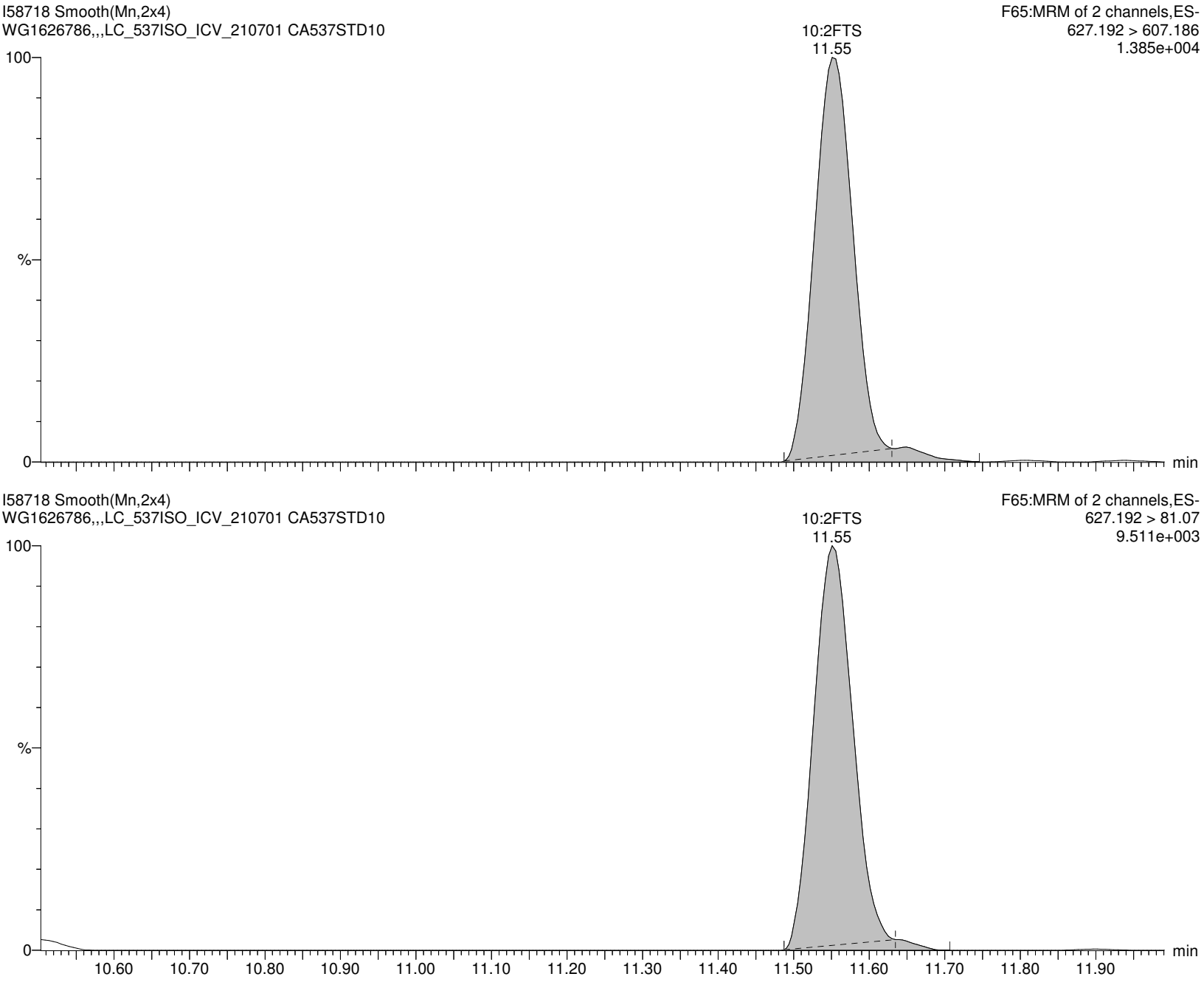


all concentration units in (ng/mL)

Alpha Analytical Inc.
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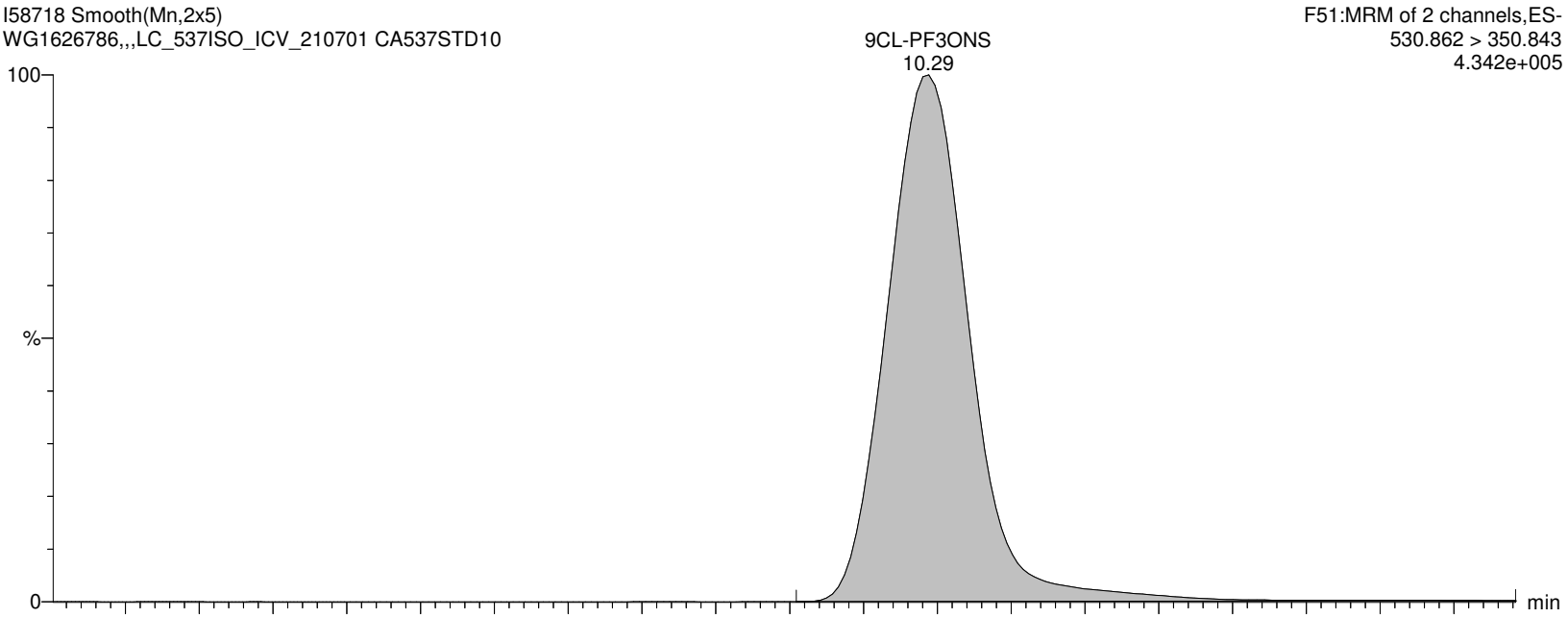


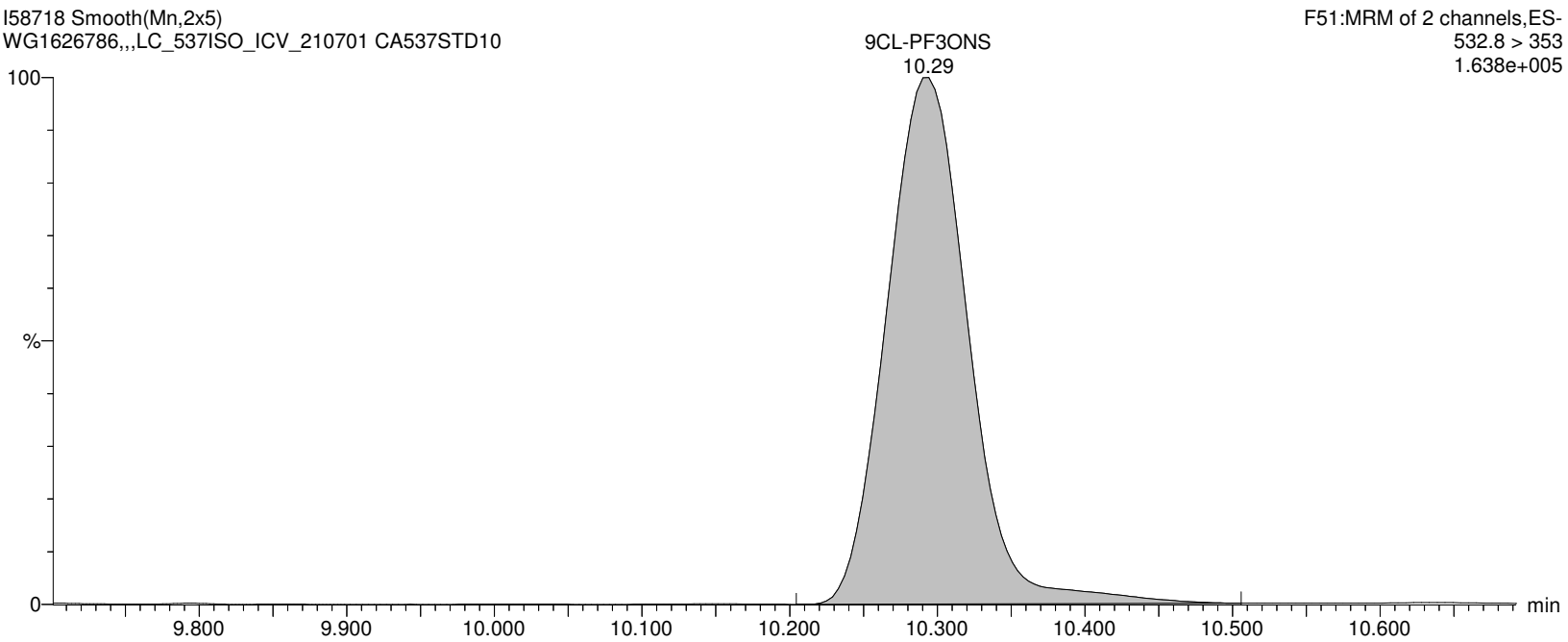
all concentration units in (ng/mL)

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9CL-PF3ONS



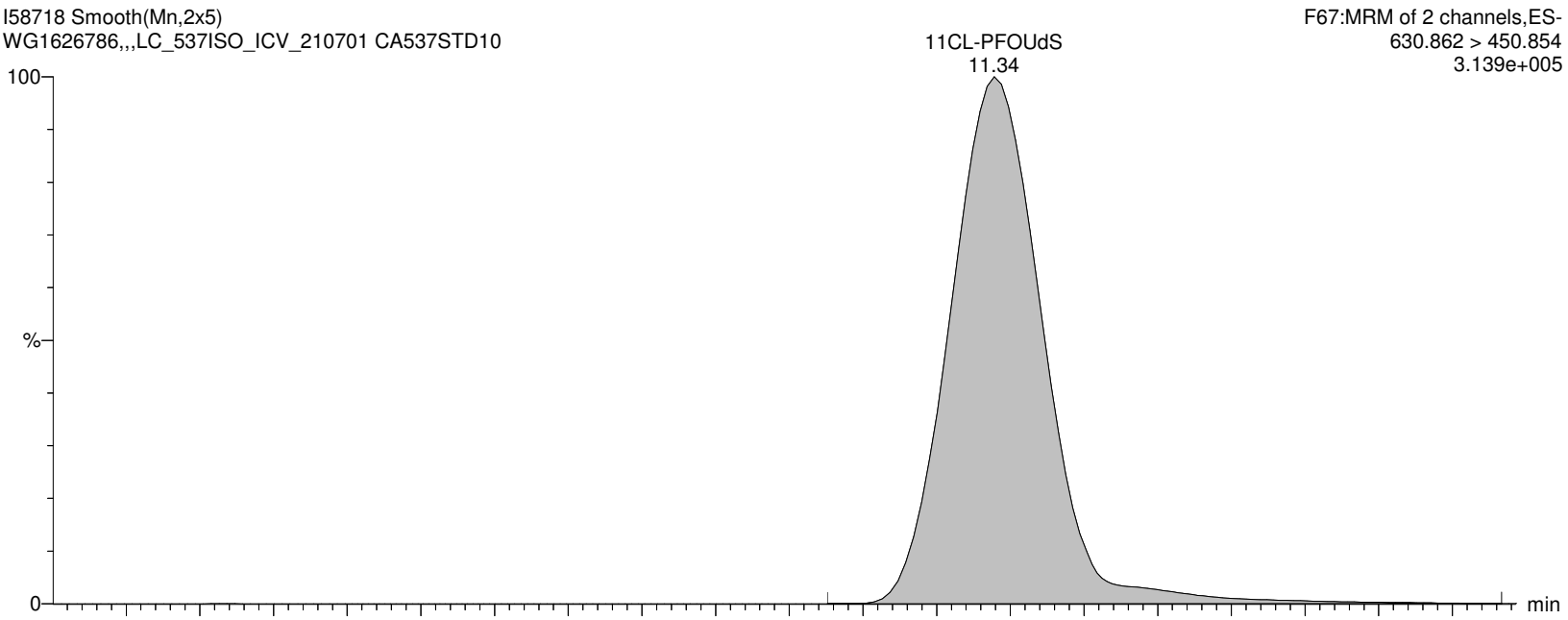


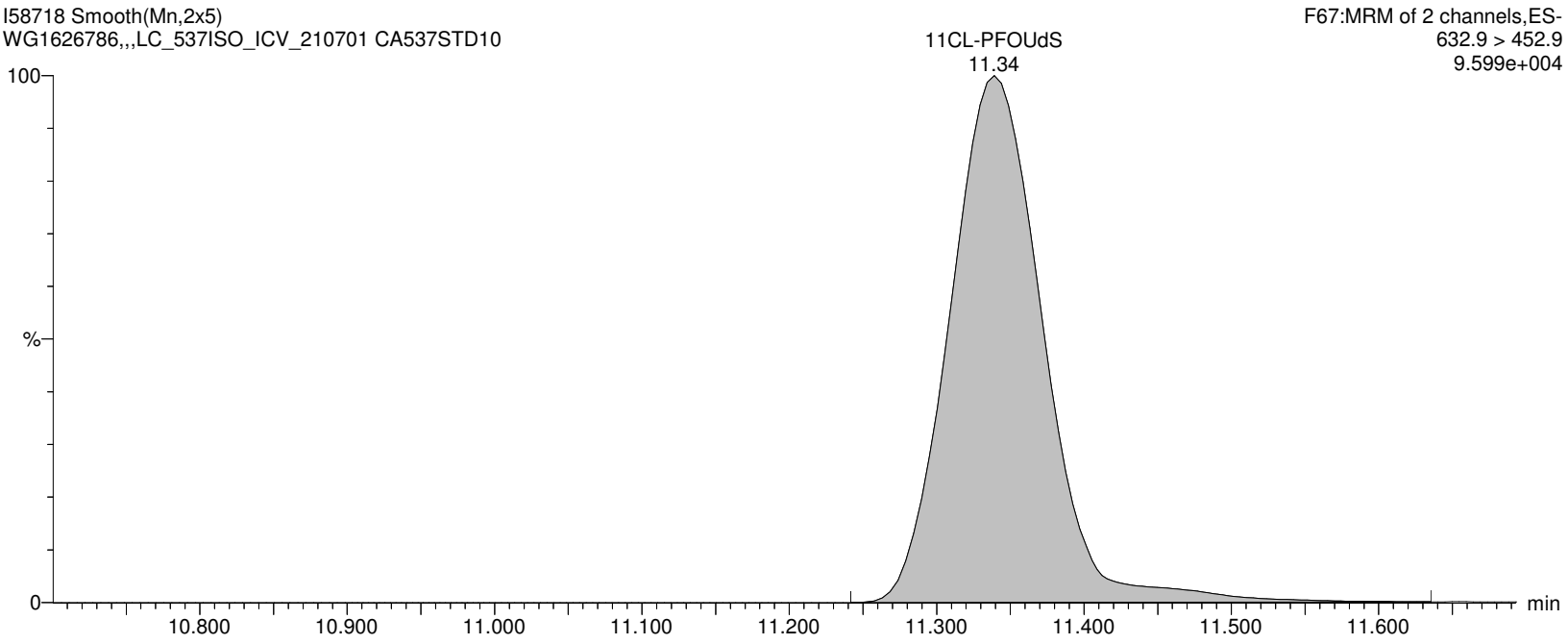
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11CL-PFOUdS



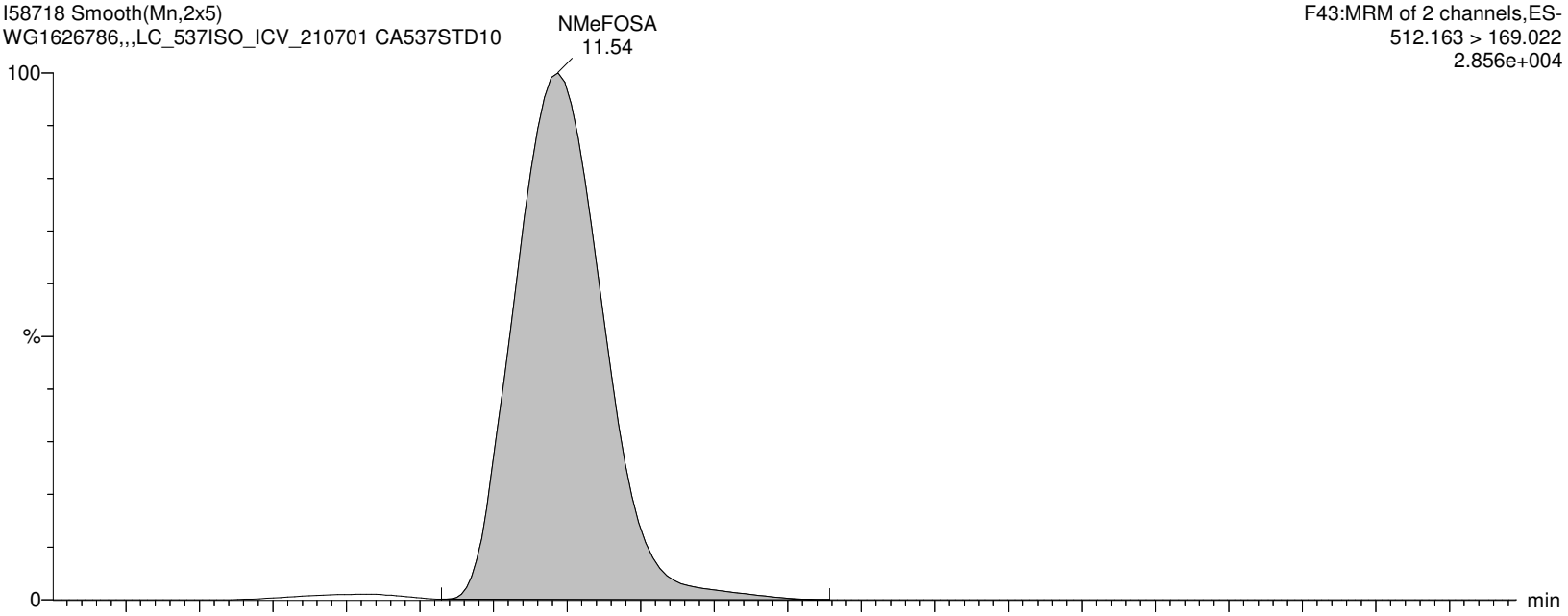


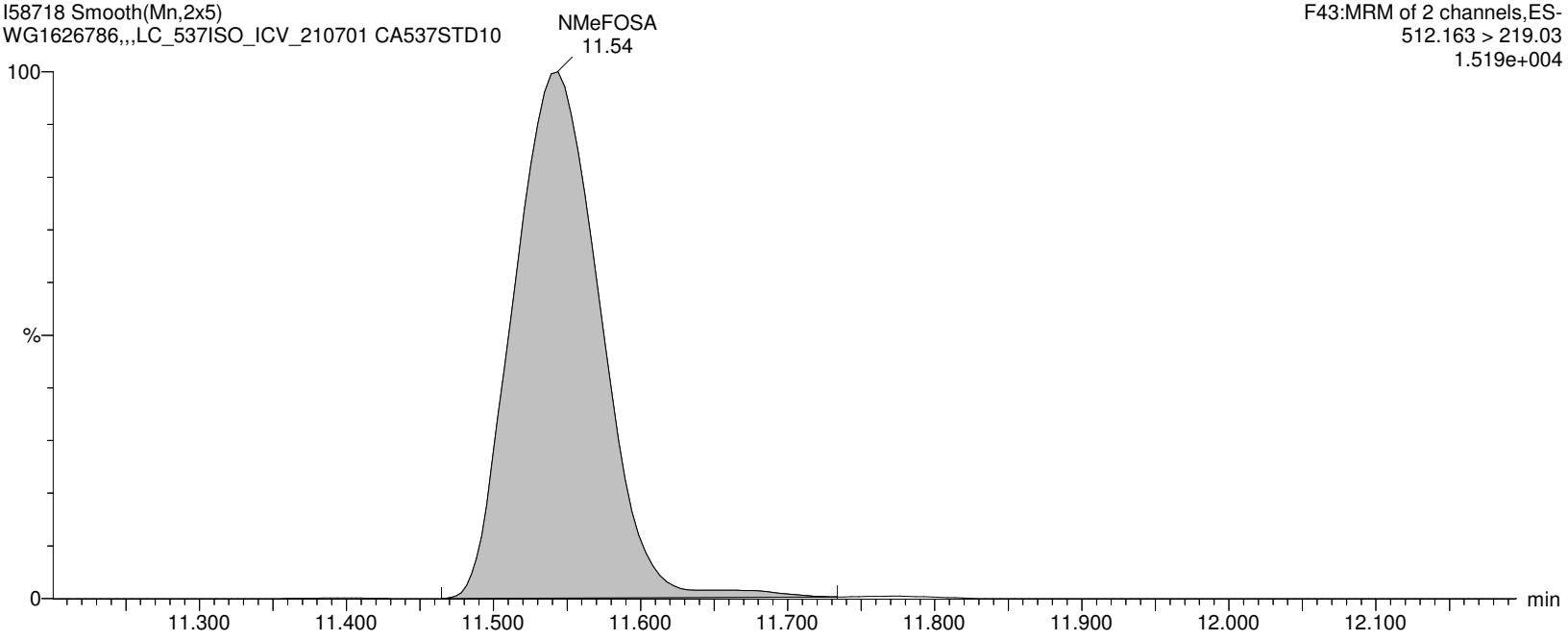
all concentration units in (ng/mL)

Alpha Analytical Inc.
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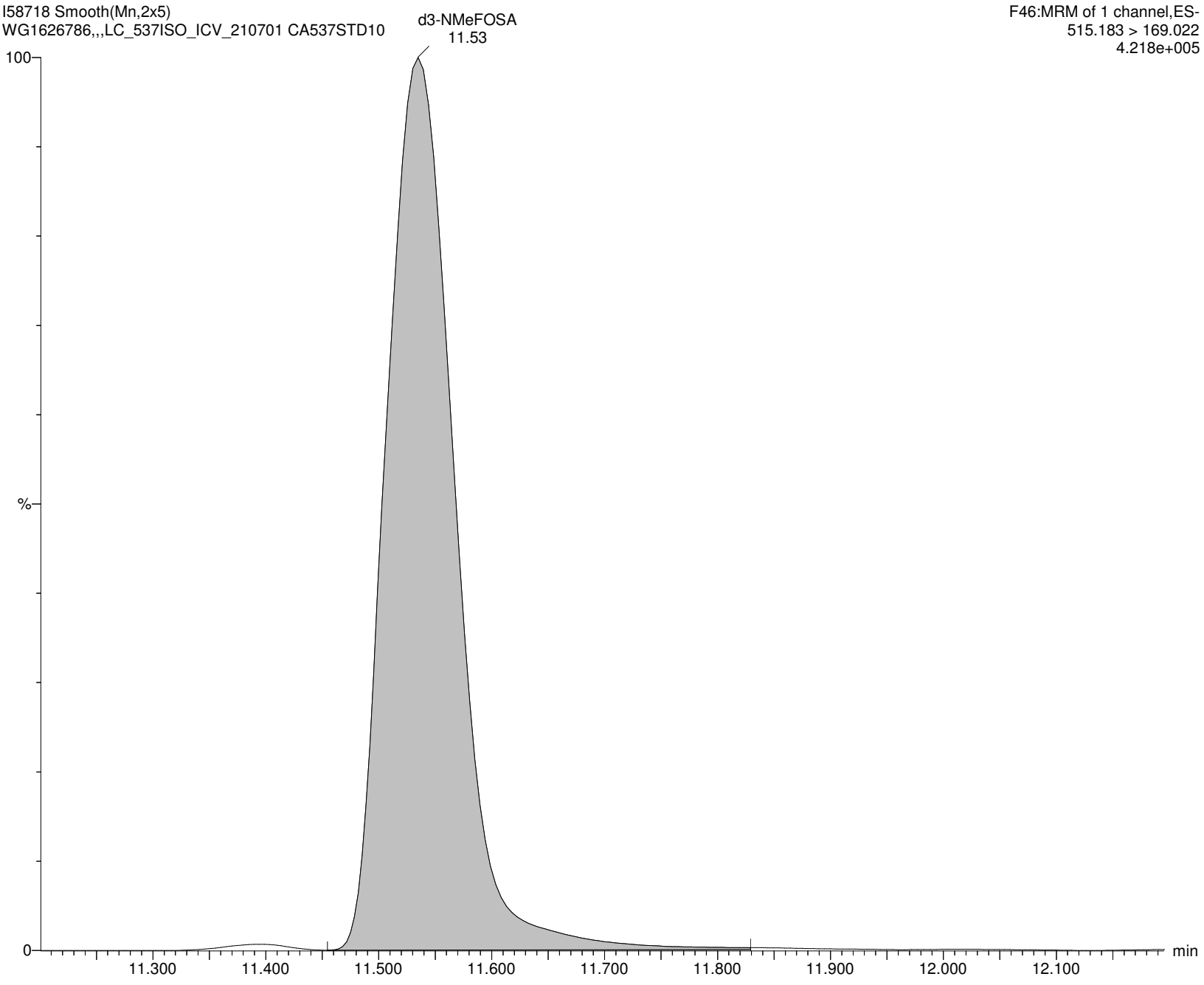


all concentration units in (ng/mL)

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d3-NMeFOSA

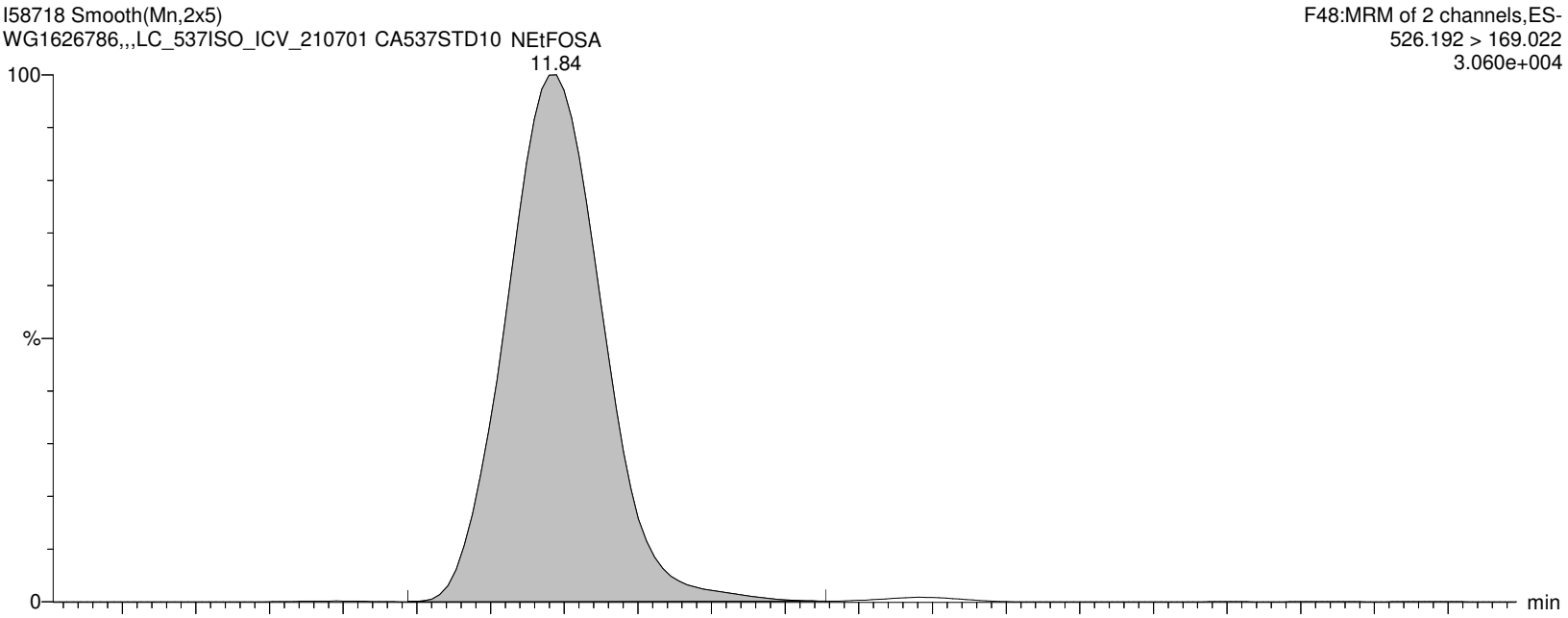


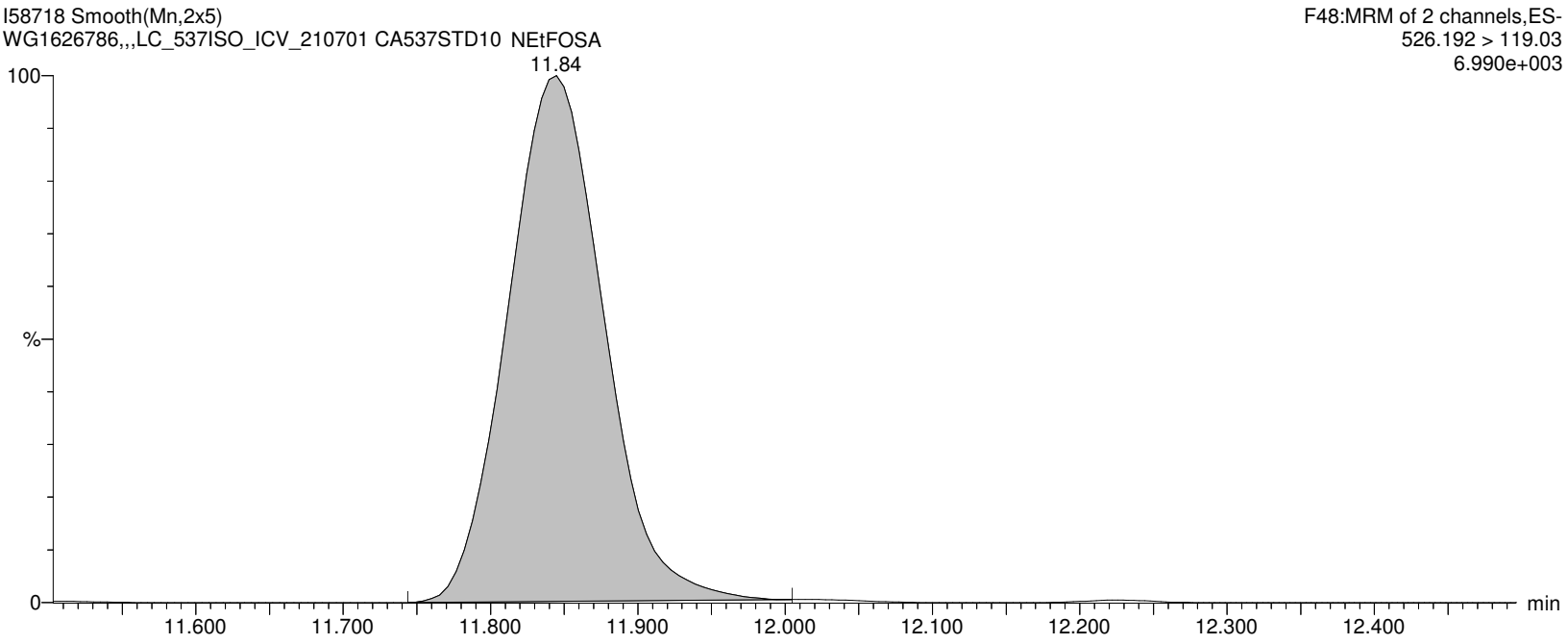
all concentration units in (ng/mL)

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NEtFOSA



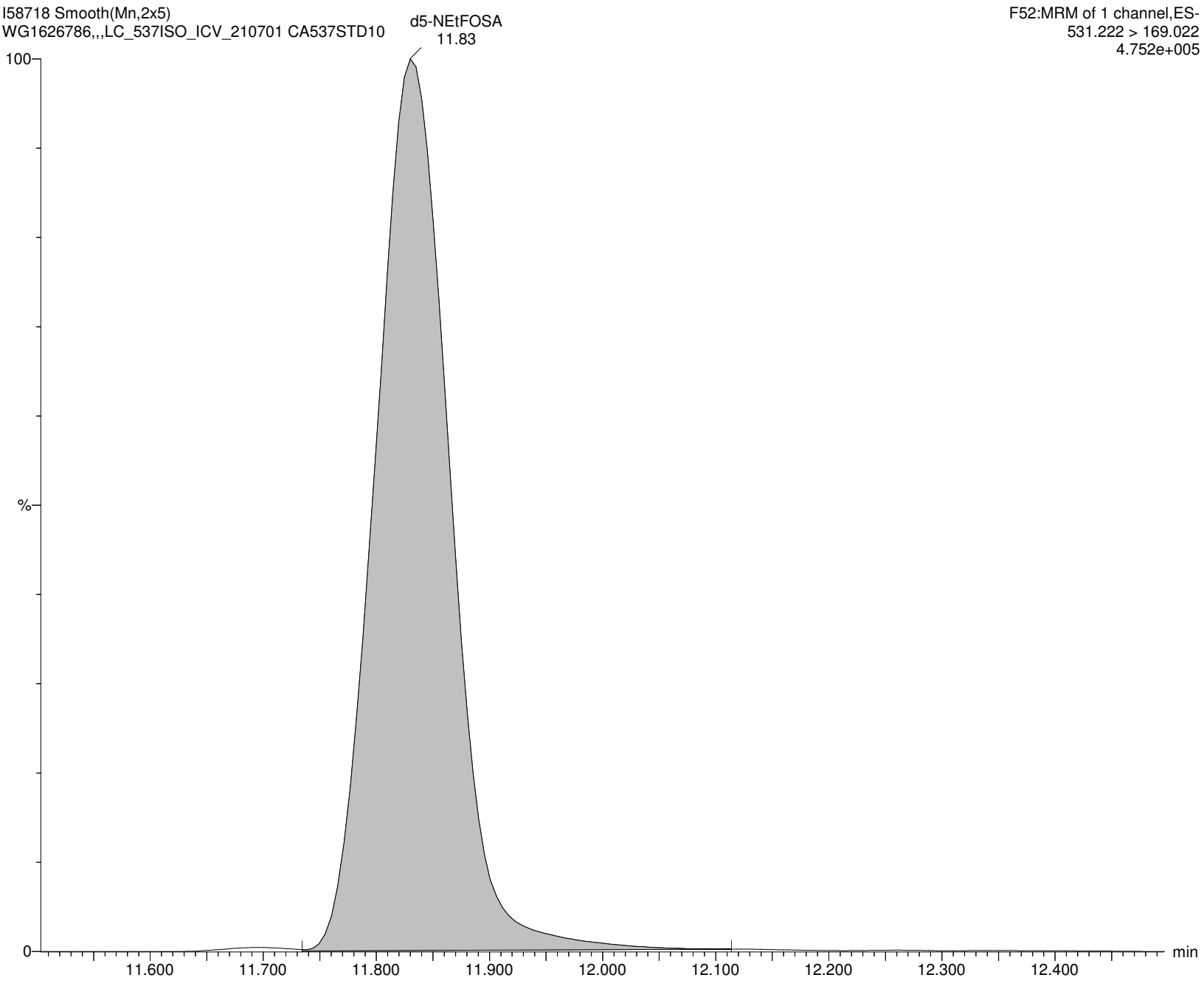


all concentration units in (ng/mL)

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d5-NEtFOSA

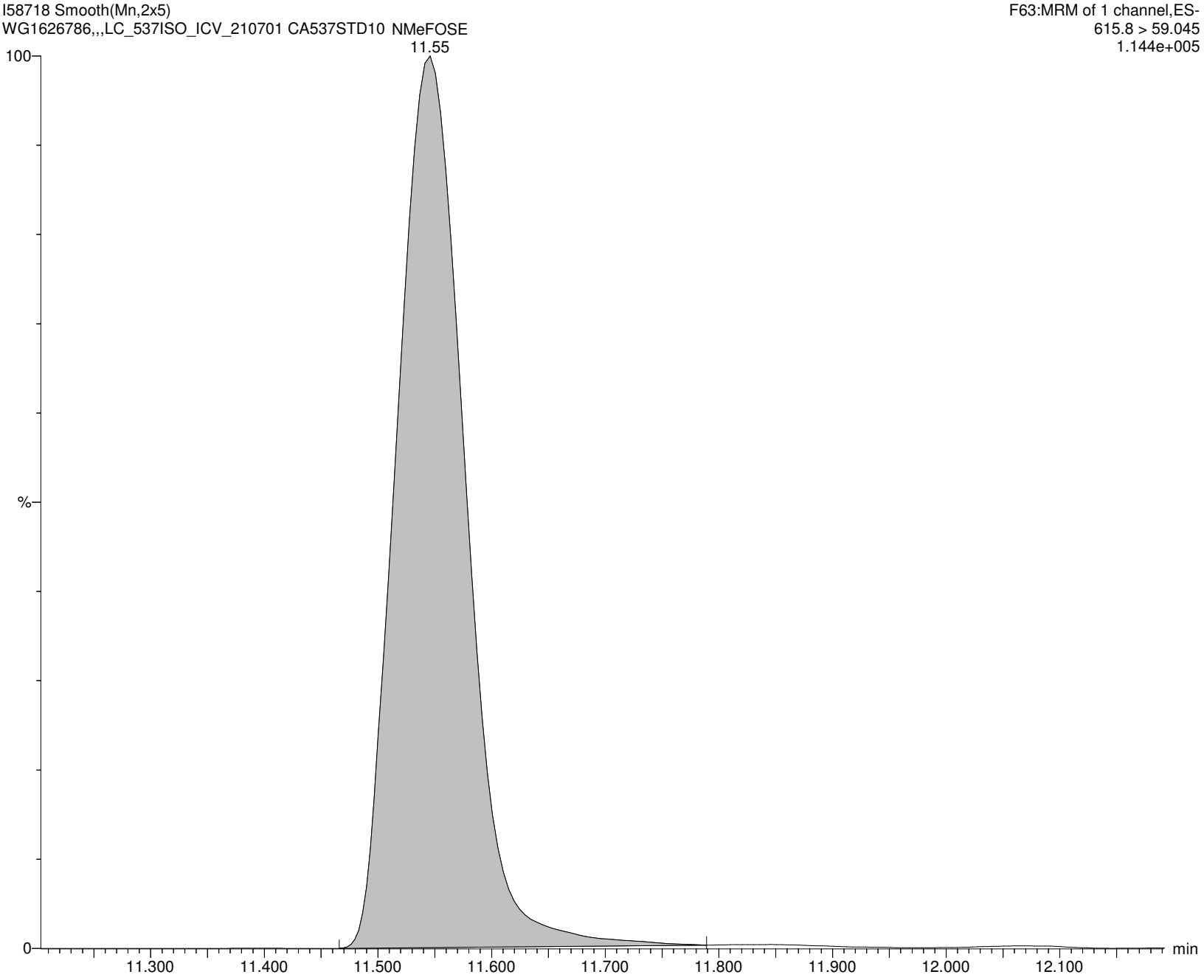


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NMeFOSE

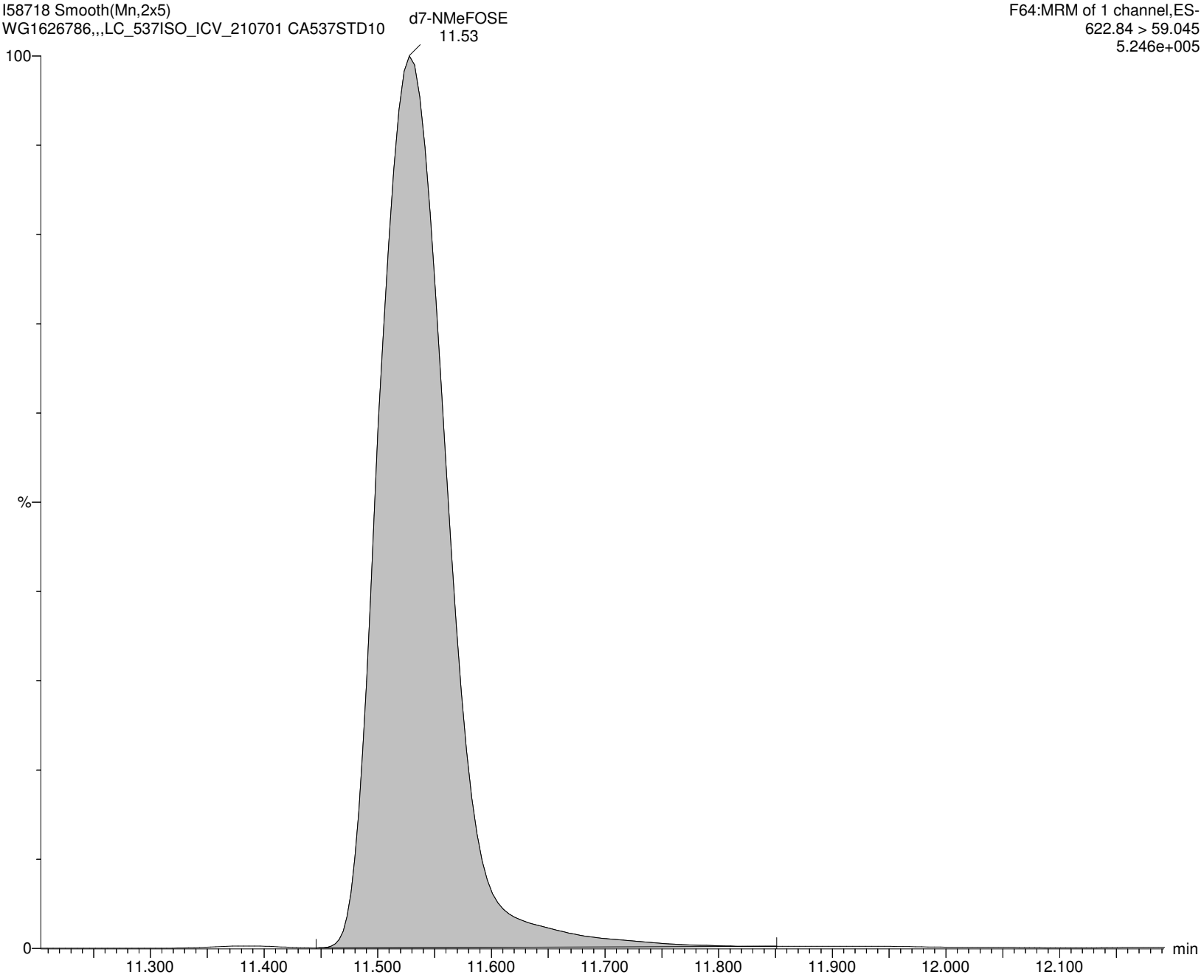


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

d7-NMeFOSE

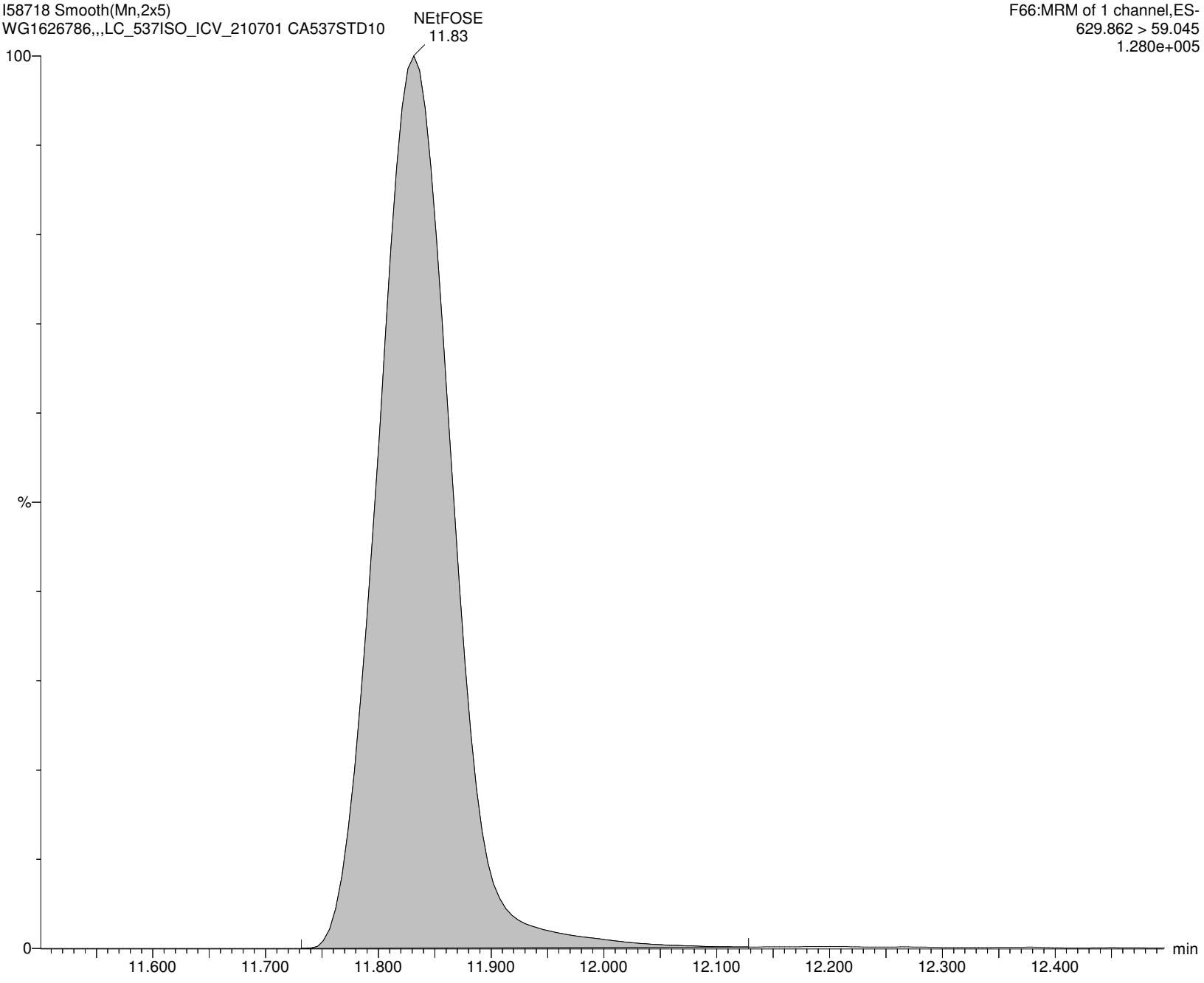


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
Printed: Wednesday, April 13, 2022 20:58:04 Eastern Daylight Time

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ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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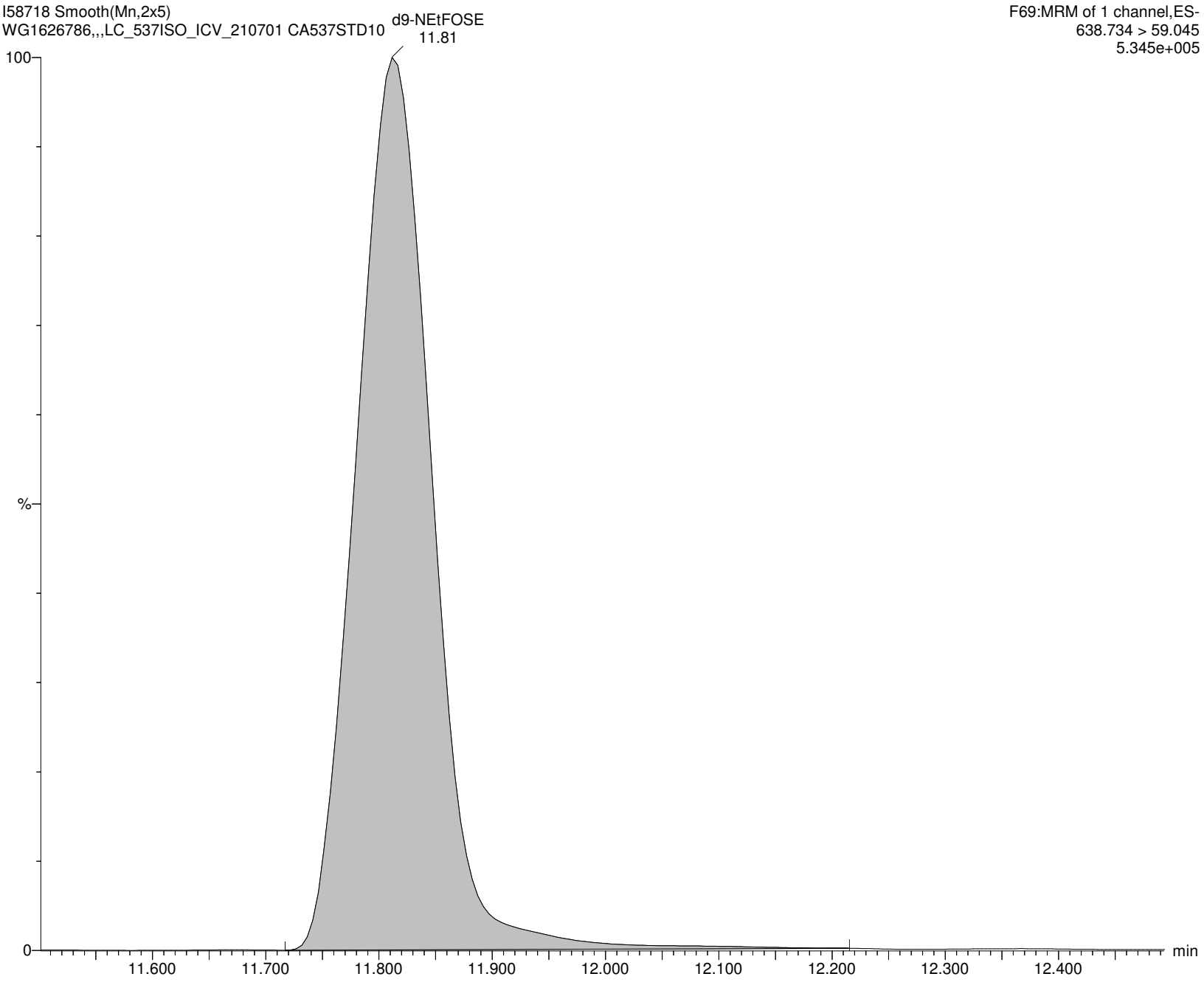


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Name: I58718
ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
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User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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d9-NEtFOSE

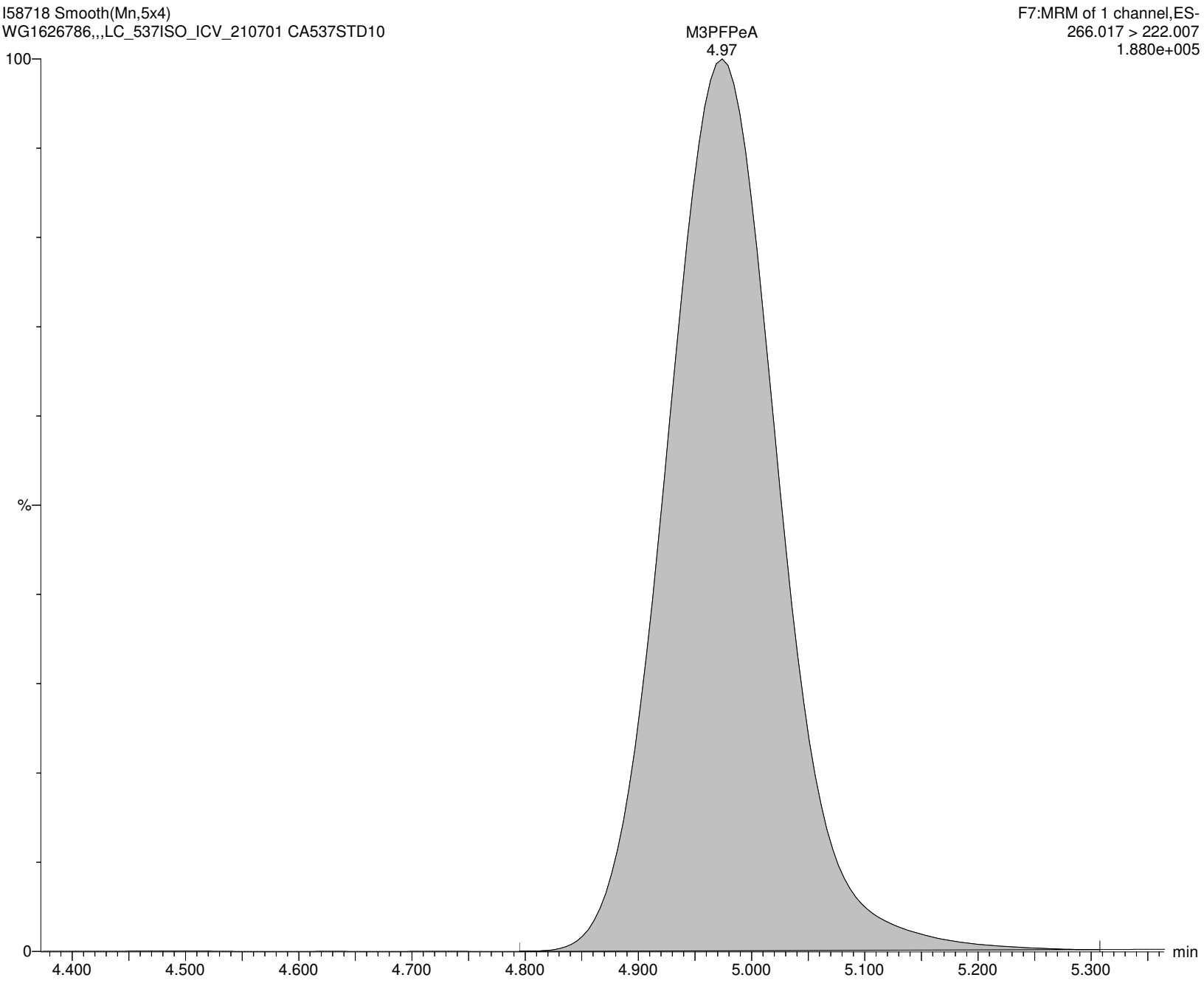


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Name: I58718
ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
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Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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M3PFPeA

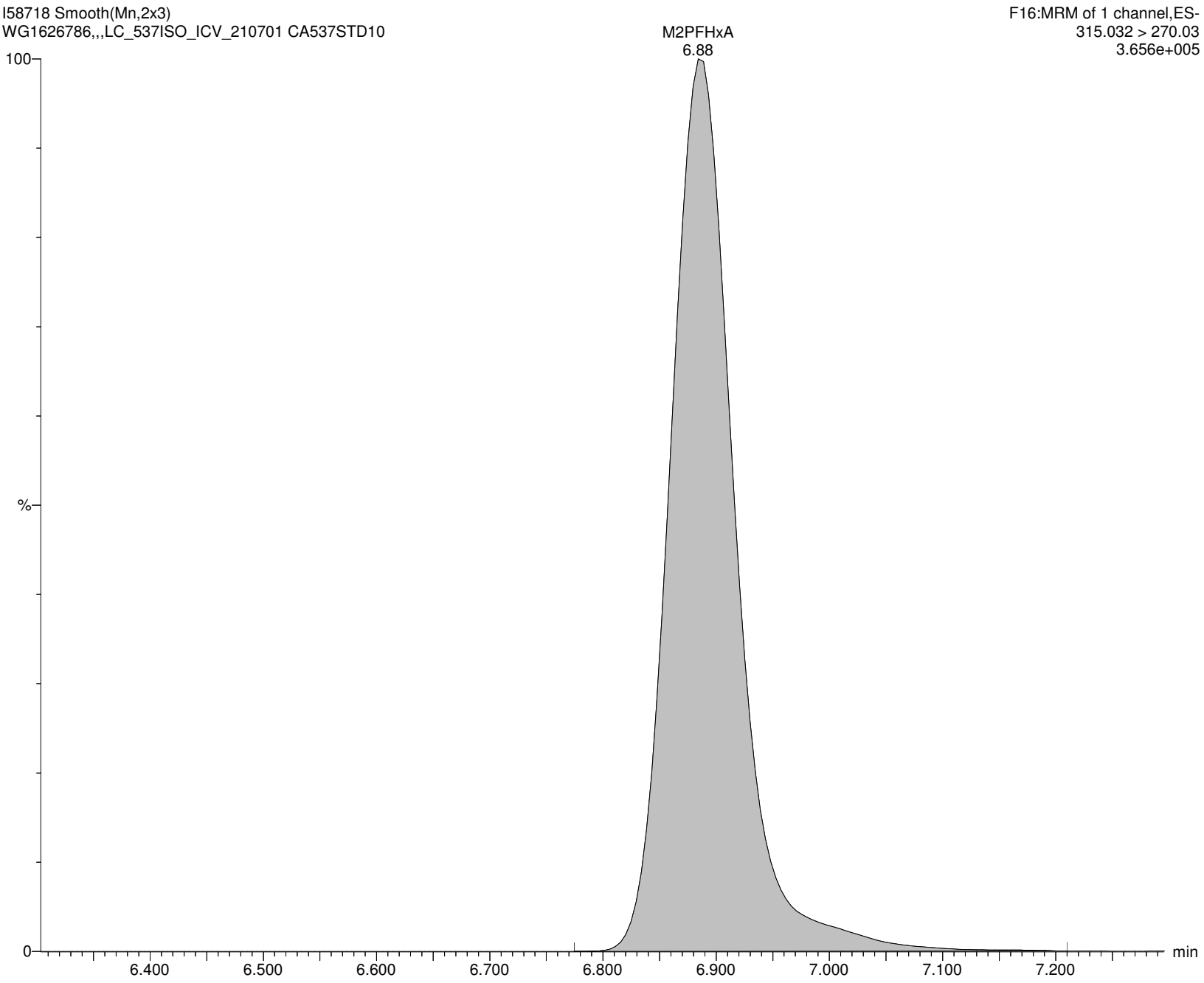


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Date: 13-Apr-2022
Time: 20:09:30
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User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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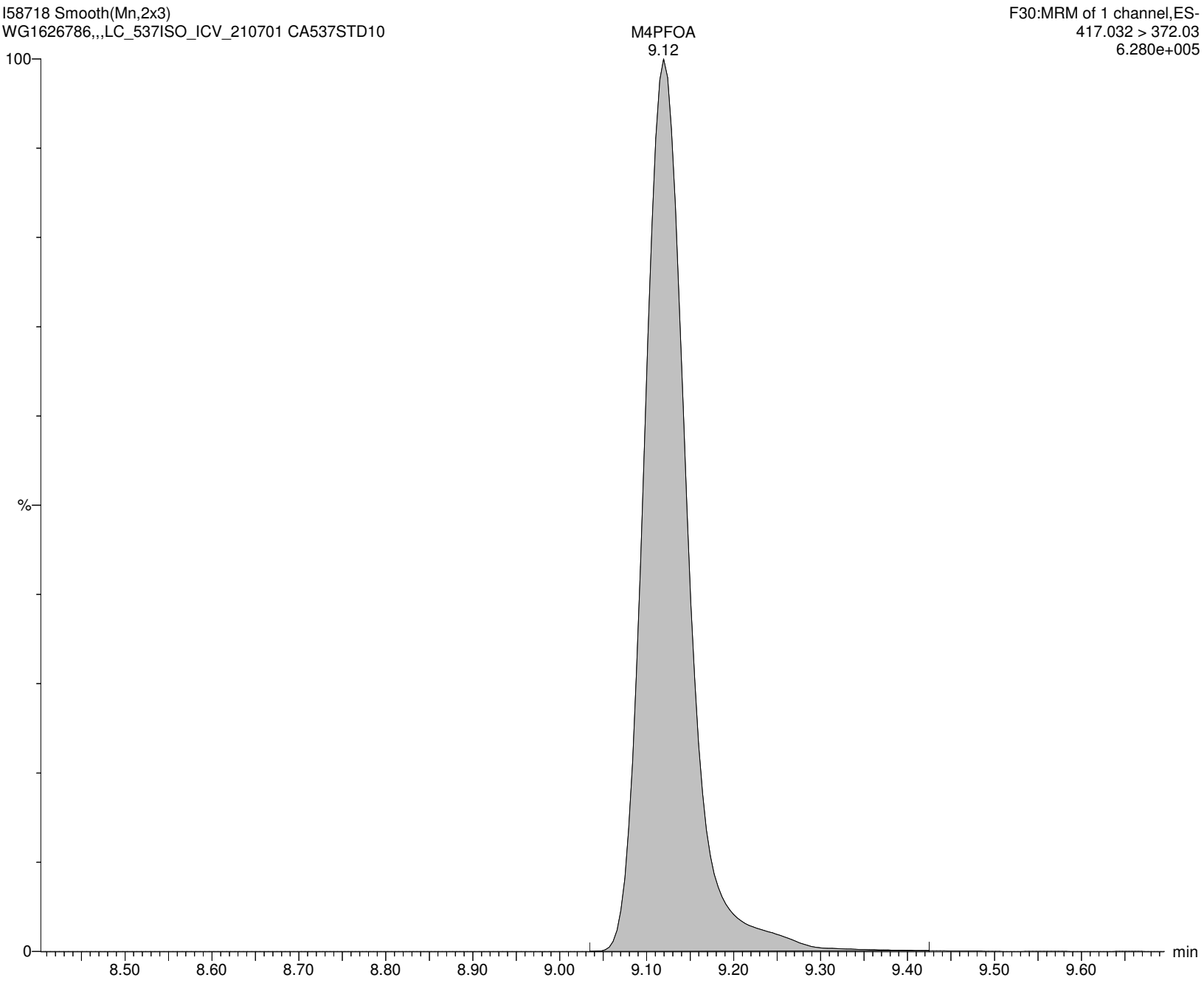


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
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M4PFOA

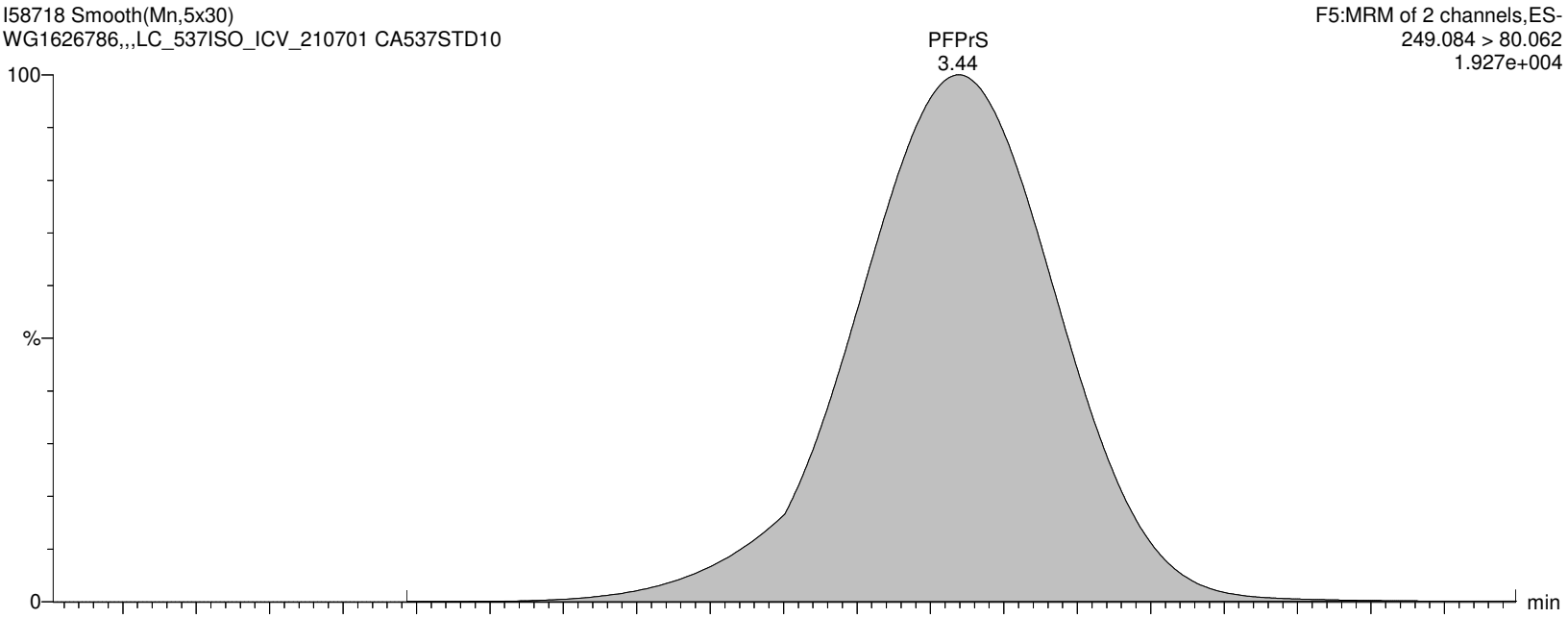


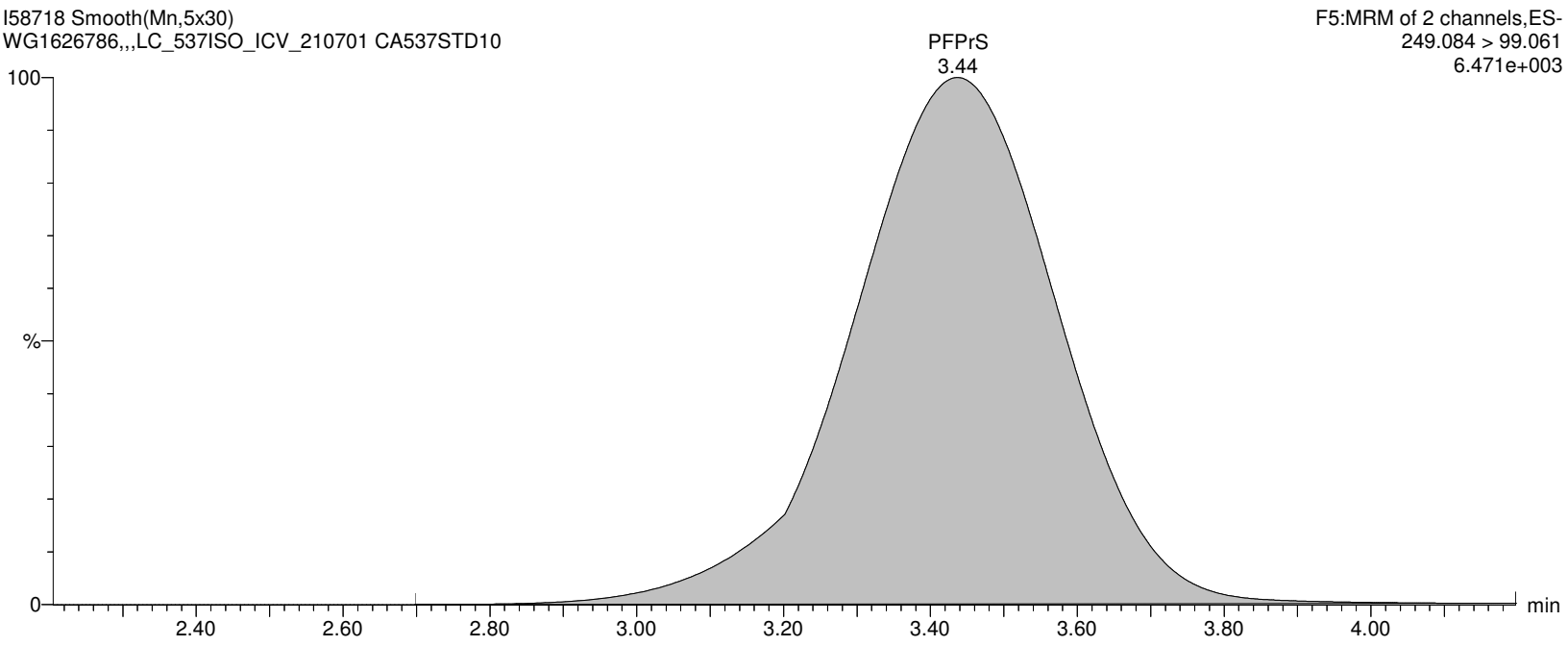
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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PFPrS



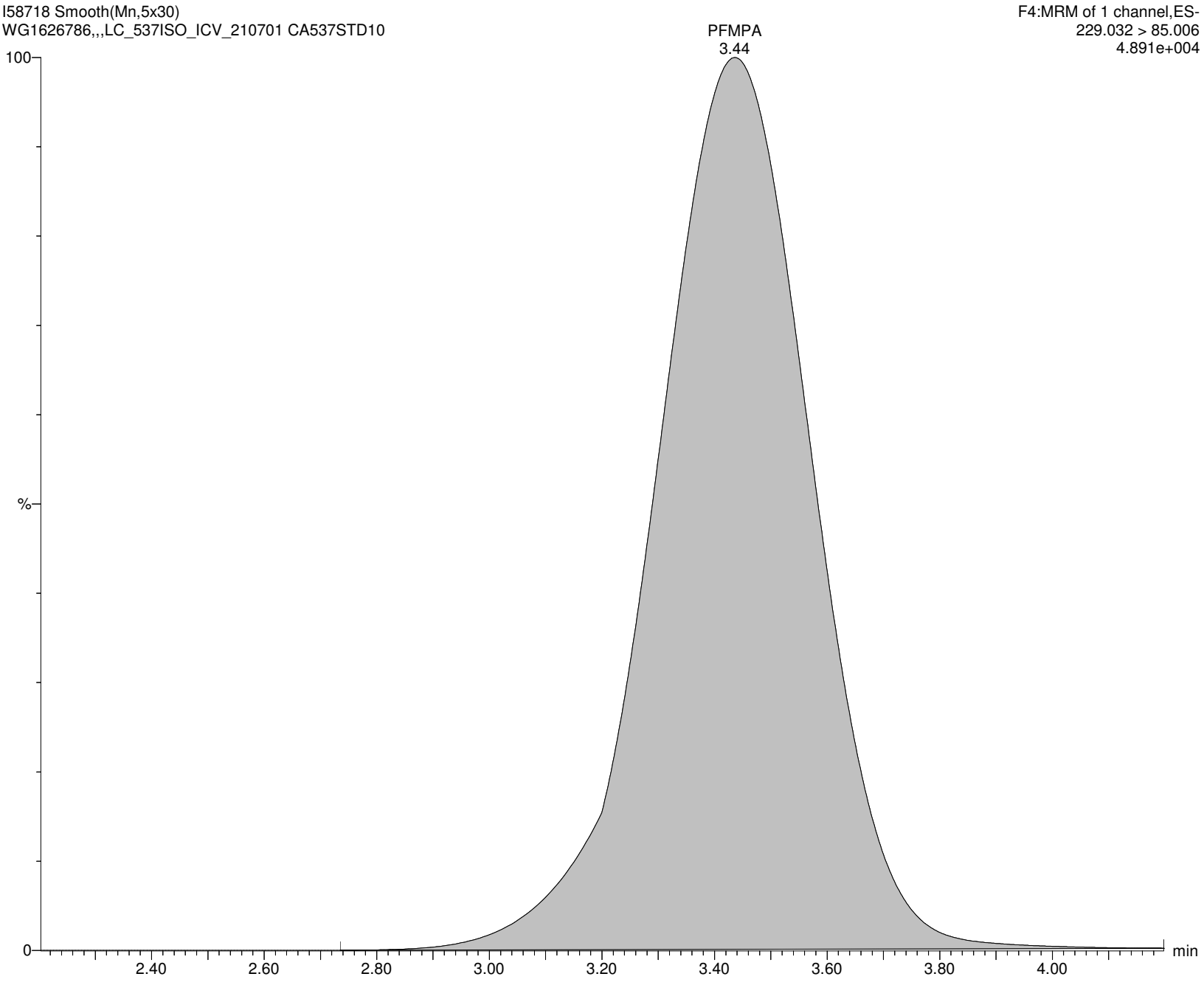


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

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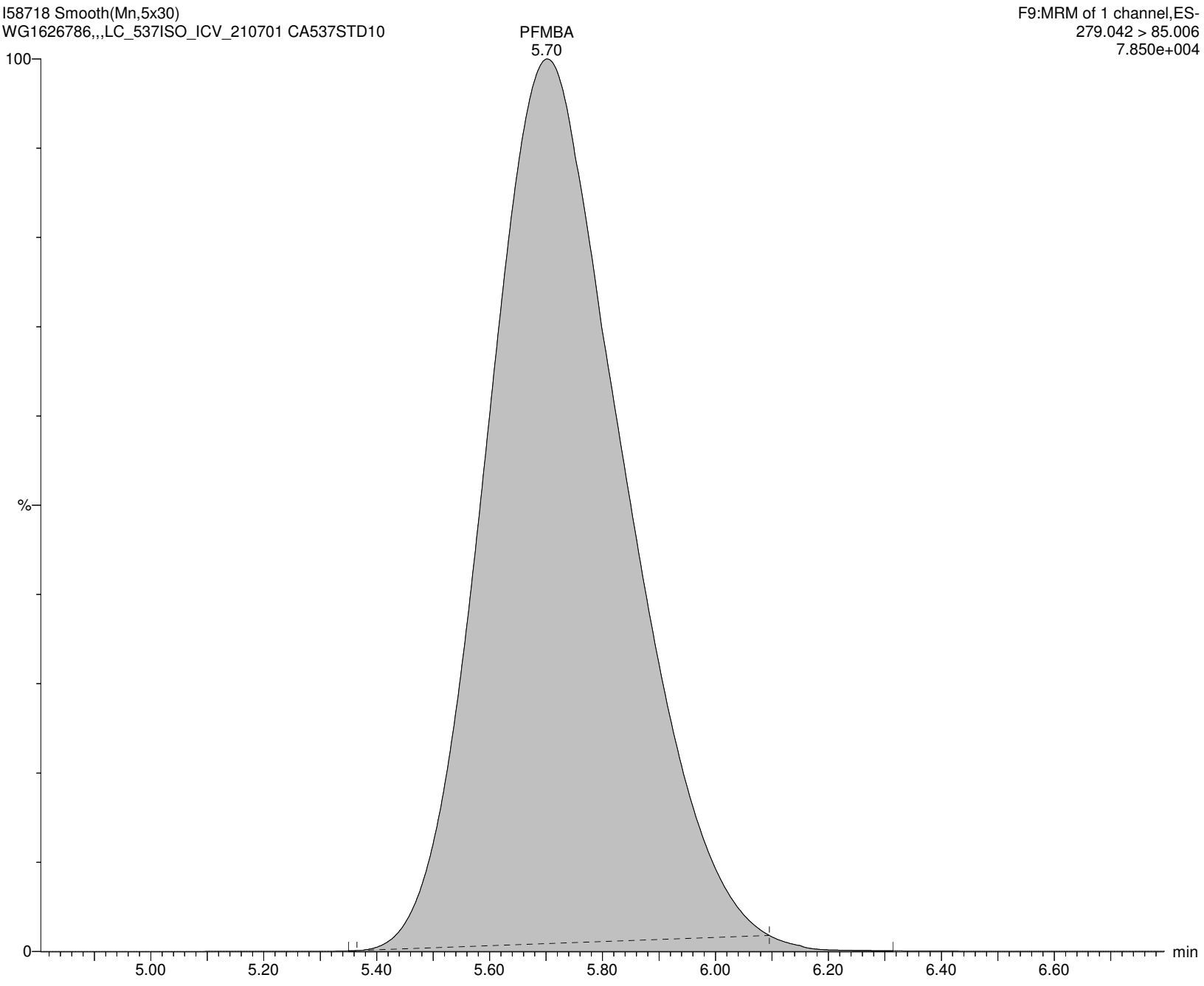


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Name: I58718
ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
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User: LCMS02:MP
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Instrument: XEVO-TQSmicro#QEB0050
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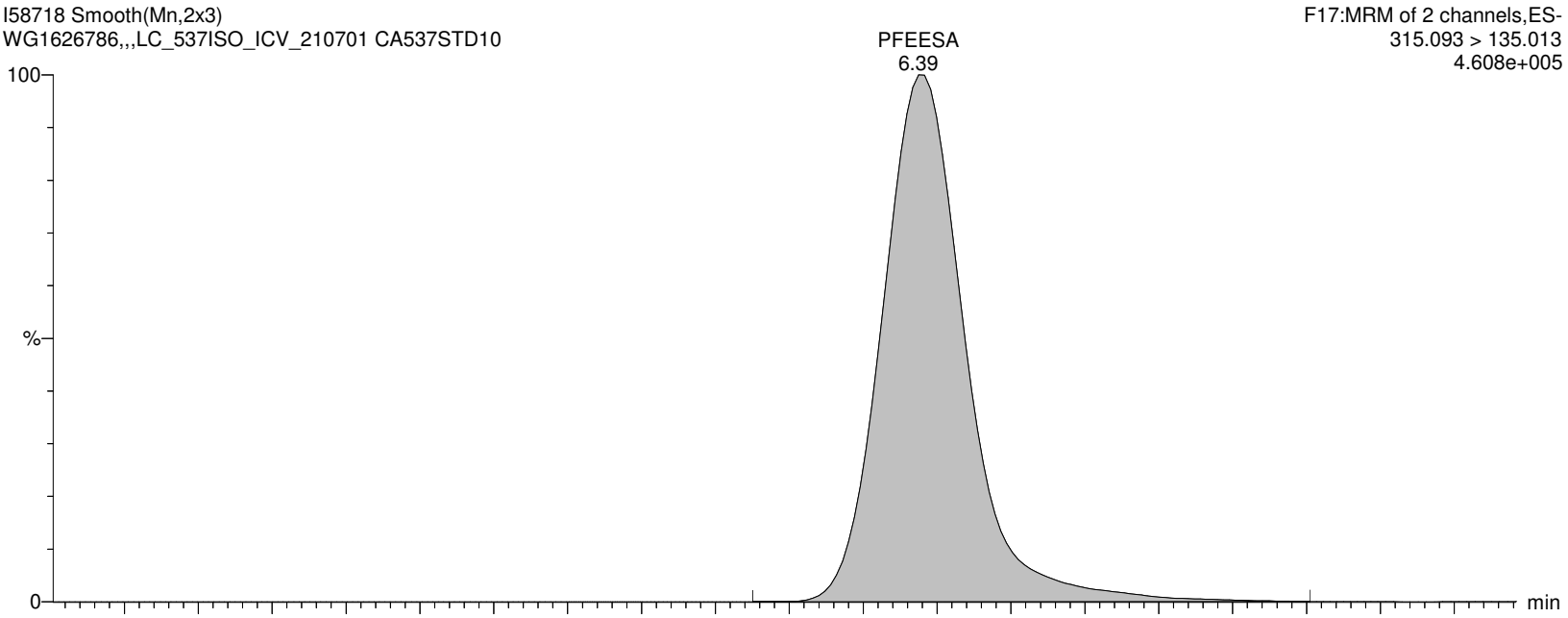


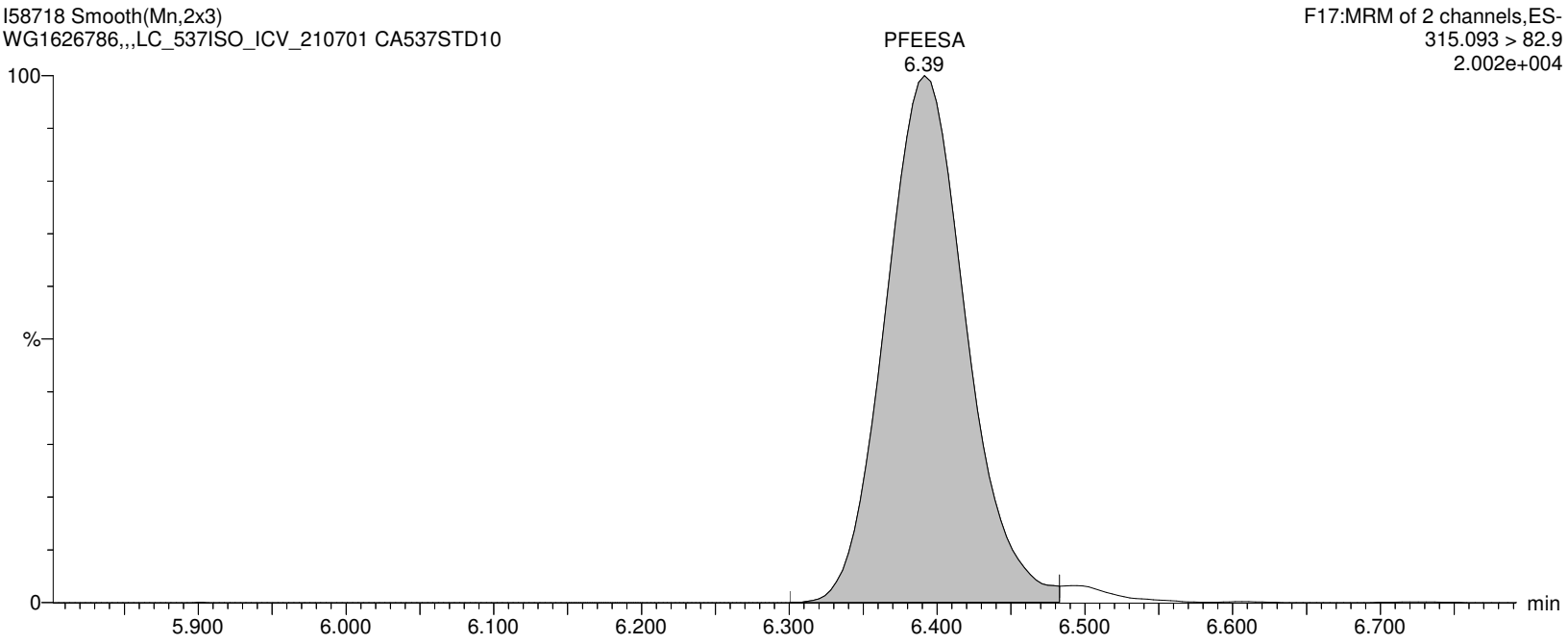
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Name: I58718
ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
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PFEESA



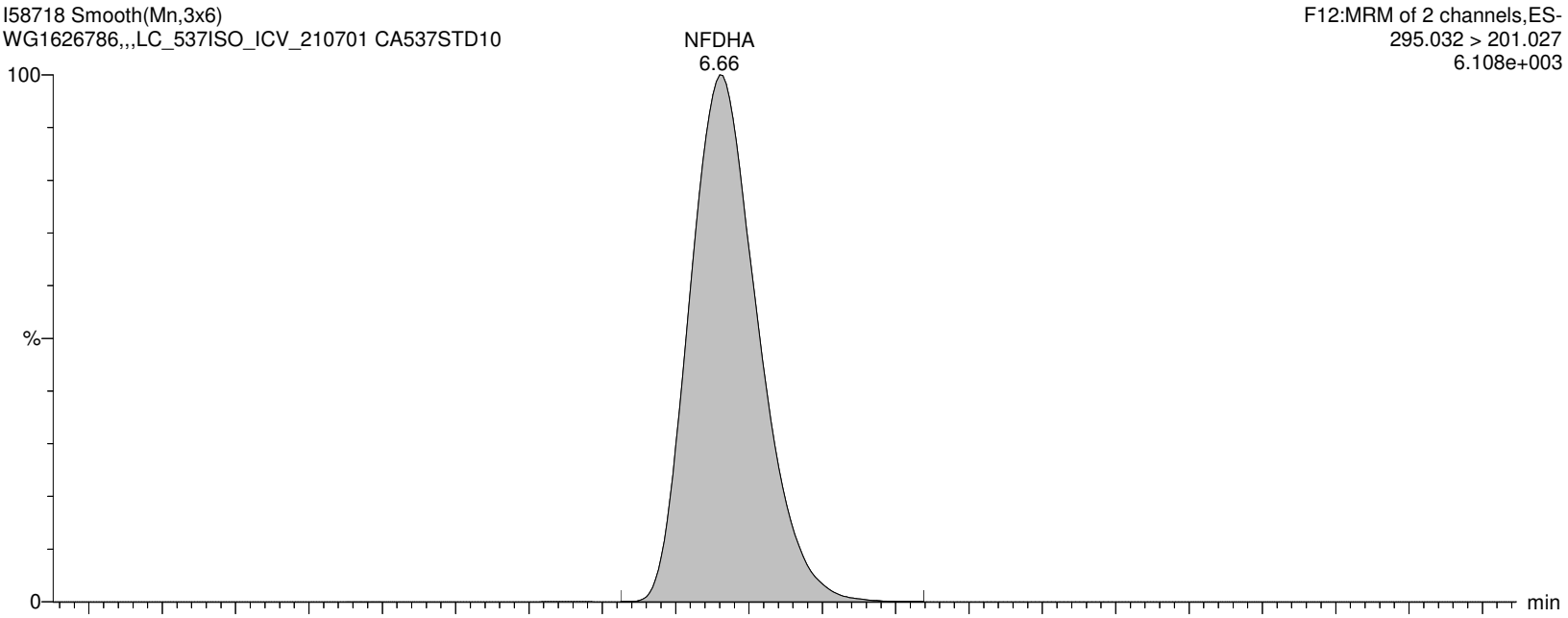


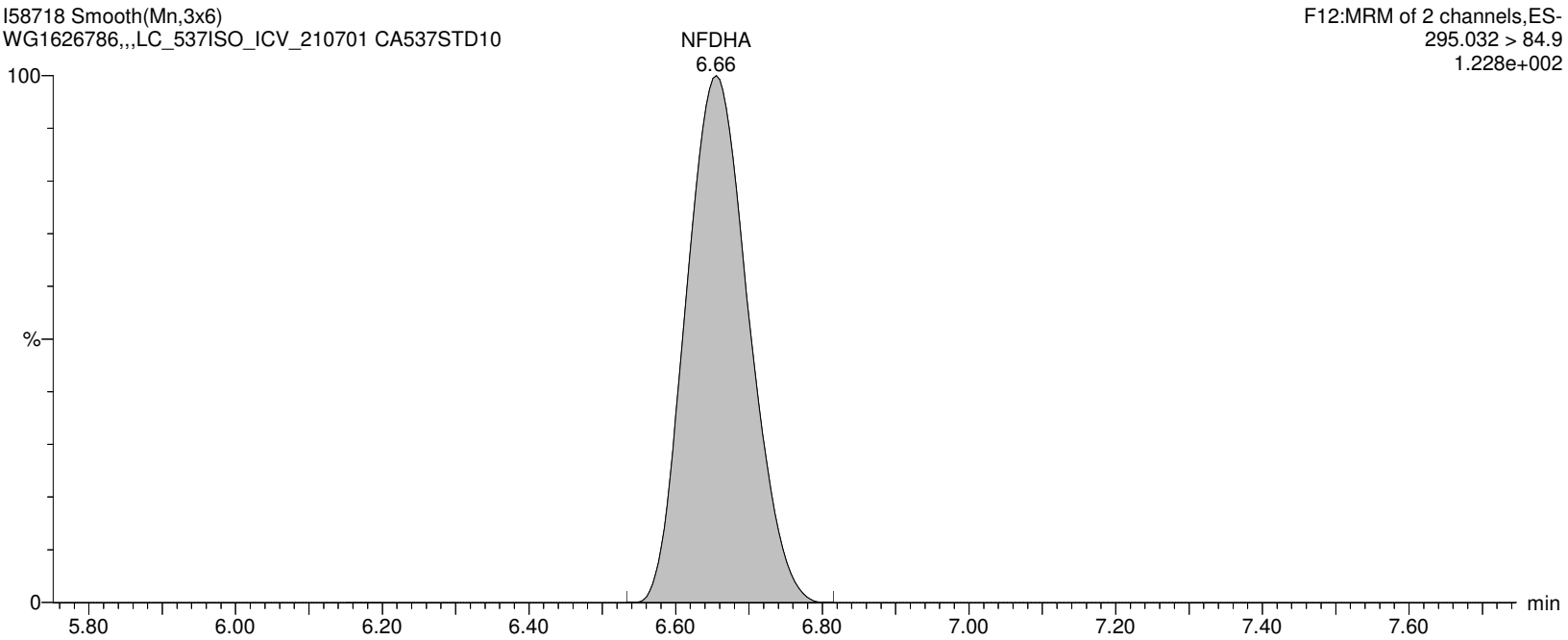
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\Data\WG1626786_ICV.qld
Last Altered: Wednesday, April 13, 2022 20:57:42 Eastern Daylight Time
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Name: I58718
ID: CA537STD10
Date: 13-Apr-2022
Time: 20:09:30
Description: WG1626786,,,LC_537ISO_ICV_210701
User: LCMS02:MP
Vial: 1:B,3
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220413_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NFDHA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\Data\WG1548121_Techstd.qld
Last Altered: Monday, September 20, 2021 12:47:50 Eastern Daylight Time
Printed: Monday, September 20, 2021 13:09:02 Eastern Daylight Time

Method: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\MethDB\537ISO_Q_210919.mdb 20 Sep 2021 12:28:26
Calibration: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\CurveDB\210919_ICAL.cdb 20 Sep 2021 12:09:45

ID: TECH Standard
Name: I37655
Date: 19-Sep-2021
Time: 14:53:33
Description: WG1548121,,,LC_537_TECHSTD_210316
Instrument: XEVO-TQSmicro#QEA0276
User: LCMS01:RS
Inlet Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_FULL
Tune Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\210715_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_210326.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	br-PFOA	335-67-1	8.77	413.063 > 369.053	7001		35040.795	1.59	NO	
2	L-PFOA	335-67-1	8.98	413.063 > 369.053	54593		273232.463	7.98	NO	
3	PFOA	335-67-1		413.063 > 369.053	61595		308273.259		na	

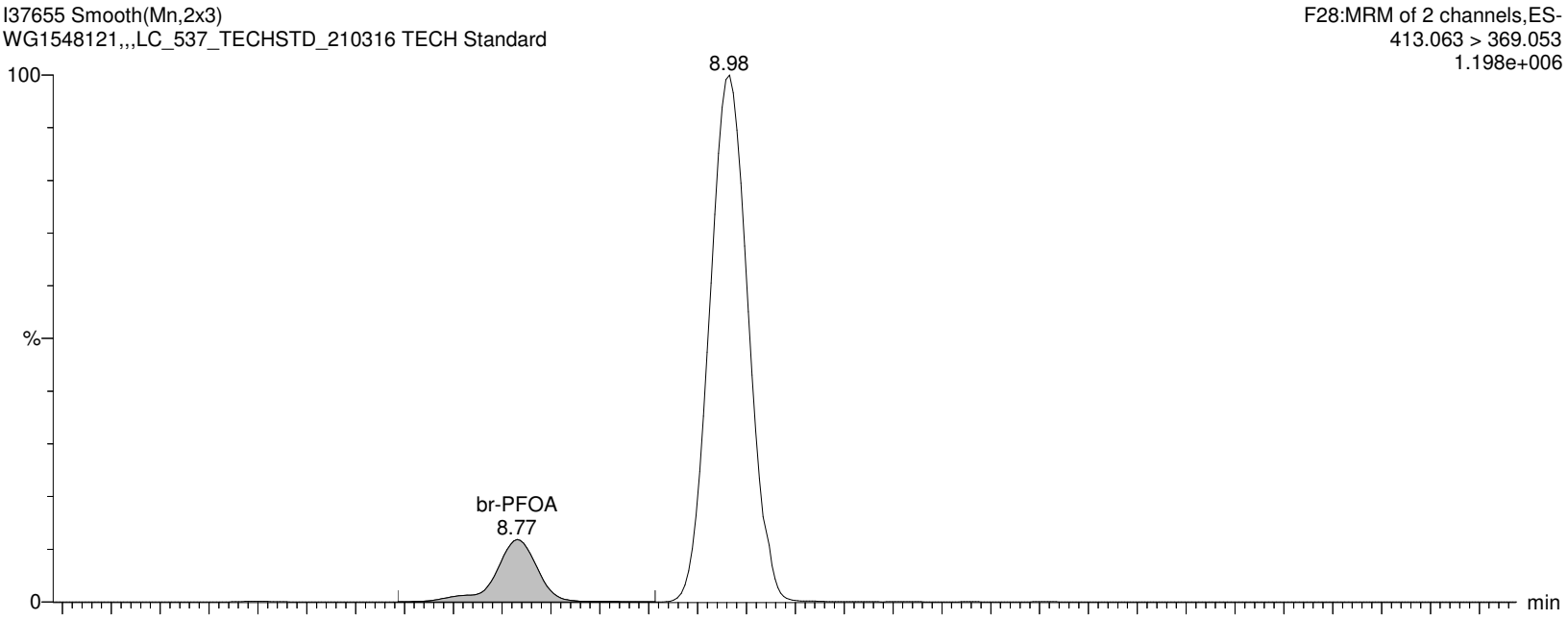
all concentration units in (ng/mL)

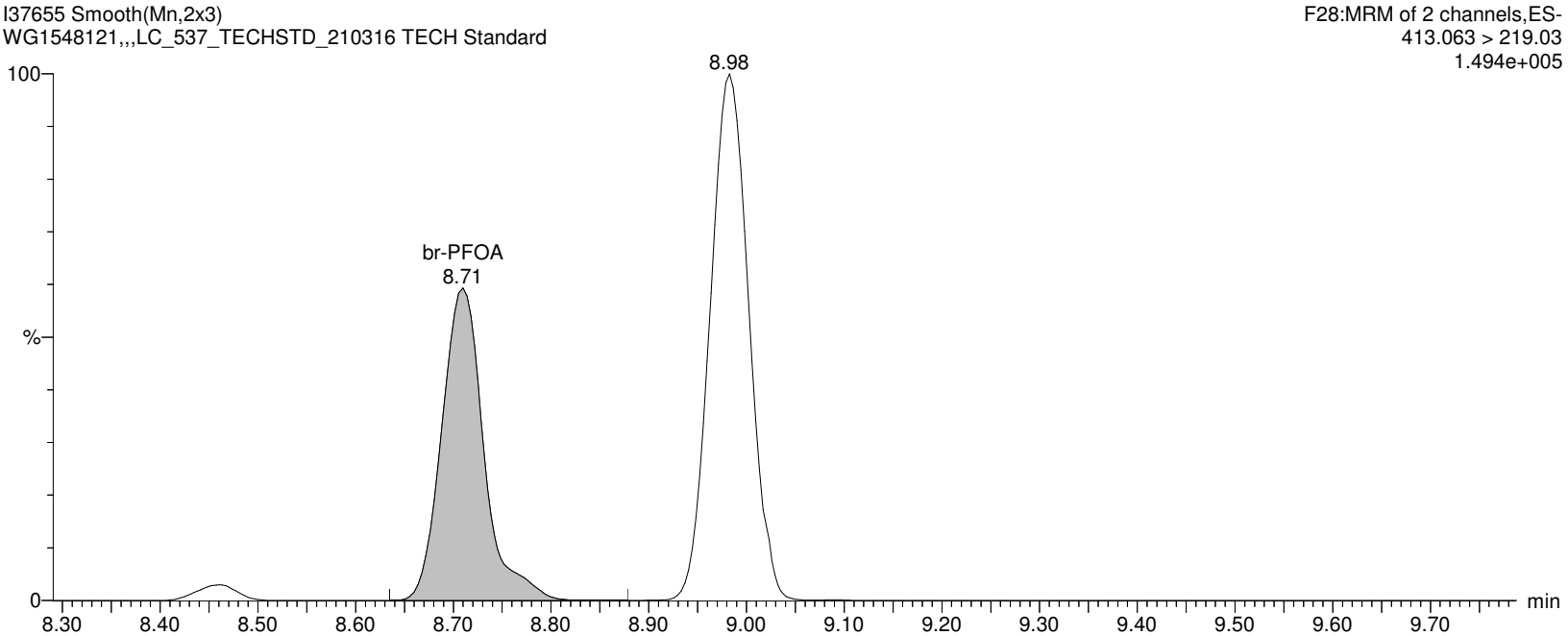
Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\Data\WG1548121_Techstd.qld
Last Altered: Monday, September 20, 2021 12:47:50 Eastern Daylight Time
Printed: Monday, September 20, 2021 13:09:02 Eastern Daylight Time

Method: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\MethDB\537ISO_Q_210919.mdb 20 Sep 2021 12:28:26
Calibration: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\CurveDB\210919_ICAL.cdb 20 Sep 2021 12:09:45

Name: I37655
ID: TECH Standard
Date: 19-Sep-2021
Time: 14:53:33
Description: WG1548121,,,LC_537_TECHSTD_210316
User: LCMS01:RS
Vial: 1:C,2
Instrument: XEVO-TQSmicro#QEA0276
Inlet Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_FULL
Tune Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\210715_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_210326.EXP

br-PFOA



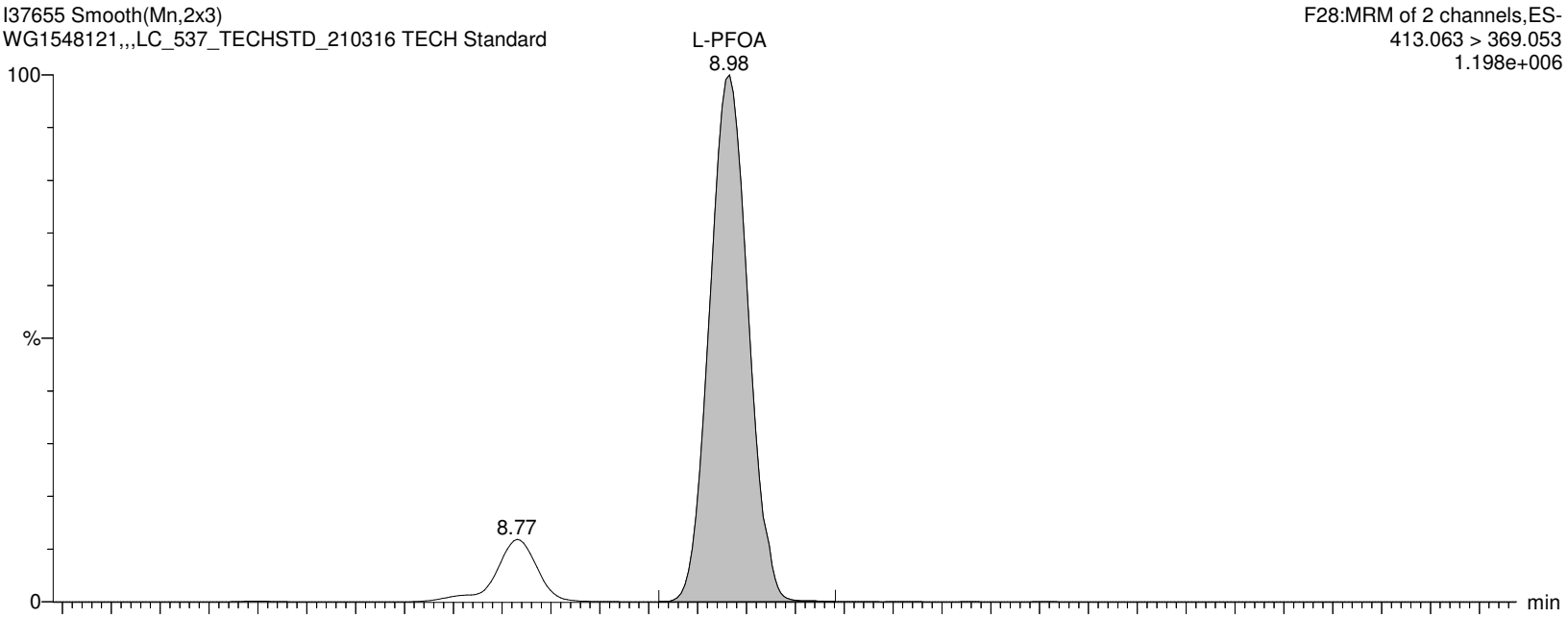


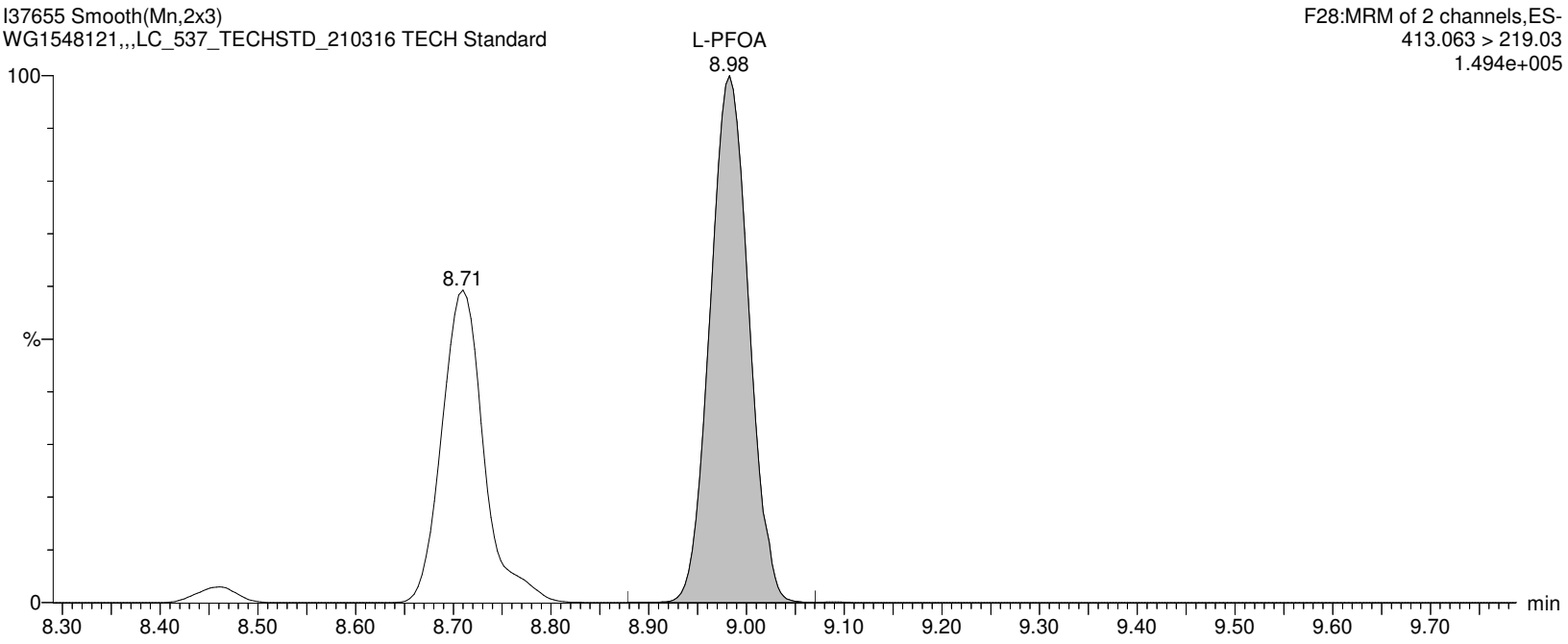
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\Data\WG1548121_Techstd.qld
Last Altered: Monday, September 20, 2021 12:47:50 Eastern Daylight Time
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ID: TECH Standard
Date: 19-Sep-2021
Time: 14:53:33
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User: LCMS01:RS
Vial: 1:C,2
Instrument: XEVO-TQSmicro#QEA0276
Inlet Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_FULL
Tune Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\210715_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_210326.EXP

L-PFOA



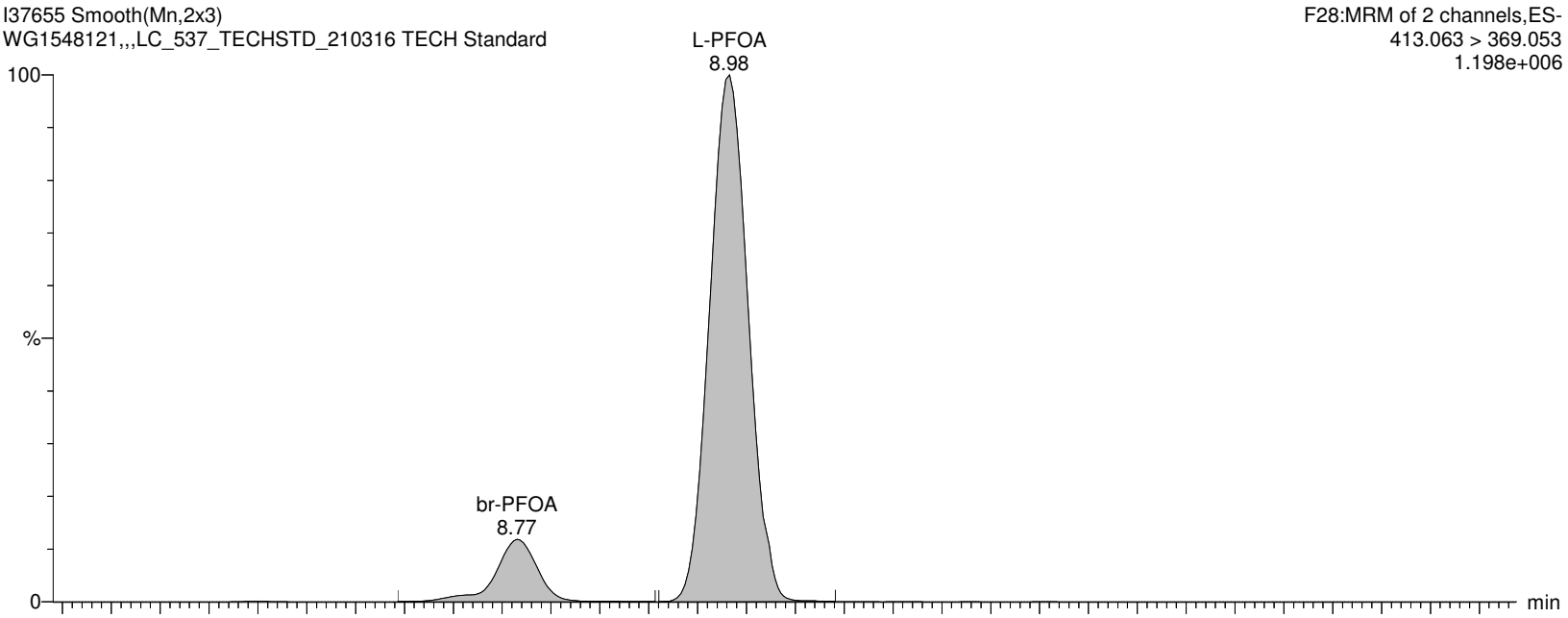


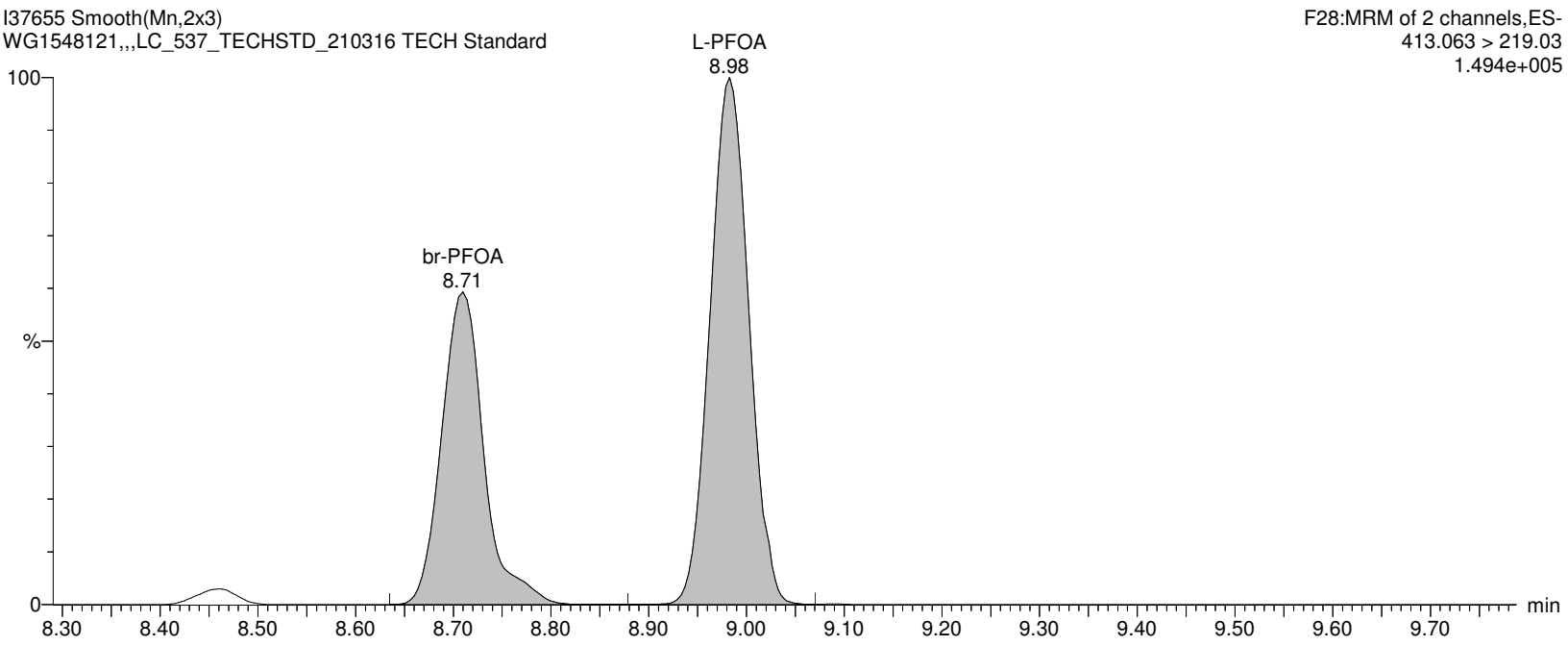
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\Data\WG1548121_Techstd.qld
Last Altered: Monday, September 20, 2021 12:47:50 Eastern Daylight Time
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Description: WG1548121,,,LC_537_TECHSTD_210316
User: LCMS01:RS
Vial: 1:C,2
Instrument: XEVO-TQSmicro#QEA0276
Inlet Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_FULL
Tune Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\210715_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2021\210919_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_210326.EXP

PFOA





all concentration units in (ng/mL)

	Compound Name	CAS Number	Compound Type	Quantification Trace	Include Quan Trace in Response?
1	PFBA	375-22-4		213.032 > 169.022	YES
2	M3PFBA	INT STD		216.009 > 171.999	YES
3	MPFBA	INT STD		217.001 > 171.999	YES
4	PFPeA	2706-90-3		263.039 > 219.03	YES
5	M5PFPEA	INT STD		268.001 > 222.999	YES
6	PFBS	375-73-5		299.092 > 80.062	YES
7	M3PFBS	INT STD		302.069 > 80.062	YES
8	4:2FTS	757124-72-4		327.146 > 307.139	YES
9	M2-4:2FTS	INT STD		329.13 > 309.124	YES
10	PFHxA	307-24-4		313.047 > 269.037	YES
11	M5PFHxA	INT STD		318.009 > 273.007	YES
12	PFPeS	2706-91-4		349.1 > 80.062	YES
13	PFHpA	375-85-9		363.055 > 319.045	YES
14	M4PFHpA	INT STD		367.025 > 322.022	YES
15	br-PFHxS	355-46-4		399.107 > 80.062	YES
16	L-PFHxS	355-46-4		399.107 > 80.062	YES
17	PFHxS	355-46-4		399.107 > 80.062	YES
18	M3PFHxS	INT STD		402.084 > 80.062	YES
19	br-PFOA	335-67-1		412.8430 > 368.9430	YES
20	L-PFOA	335-67-1		412.8430 > 368.9430	YES
21	PFOA	335-67-1		412.8430 > 368.9430	YES
22	M8PFOA	INT STD		420.7128> 375.9279	YES
23	M2PFOA	INT STD		414.828 > 369.935	YES
24	6:2FTS	27619-97-2		427.161 > 407.155	YES
25	M2-6:2FTS	INT STD		429.146 > 409.14	YES
26	PFHpS	375-92-8		449.115 > 80.062	YES
27	PFNA	375-95-1		462.8510 > 418.951	YES
28	M9PFNA	INT STD		471.649 > 426.8751	YES
29	br-PFOS	1763-23-1		498.9030 > 79.9520	YES
30	L-PFOS	1763-23-1		498.9030 > 79.9520	YES
31	PFOS	1763-23-1		498.9030 > 79.9520	YES
32	M4PFOS	INT STD		502.8730 > 79.952	YES
33	M8PFOS	INT STD		506.5852> 79.9565	YES
34	PFDA	335-76-2		512.8580 > 468.9590	YES
35	M2PFDA	INT STD		514.8332 > 469.8243	YES
36	M6PFDA	INT STD		518.6490 > 473.8794	YES
37	8:2FTS	39108-34-4		526.6490 > 506.7500	YES
38	M2-8:2FTS	INT STD		529.162 > 509.155	YES
39	PFNS	68259-12-1		549.131 > 80.062	YES
40	d3-NMeFOSAA	INT STD		573.22 > 419.061	YES
41	br-NMeFOSAA			570.202 > 419.061	YES
42	L-NMeFOSAA			570.202 > 419.061	YES
43	NMeFOSAA	2355-31-9		570.202 > 419.061	YES
44	PFUnA	2058-94-8		562.5852 >518.8544	YES
45	M7-PFUDA	INT STD		570.033 > 525.031	YES
46	PFDS	335-77-3		599.139 > 80.062	YES
47	FOSA	754-91-6		498.146 > 78.07	YES
48	M8FOSA	INT STD		506.077 > 78.07	YES
49	br-NEtFOSAA			584.229 > 419.061	YES
50	L-NEtFOSAA			584.229 > 419.061	YES
51	NEtFOSAA	2991-50-6		584.229 > 419.061	YES
52	d5-NEtFOSAA	INT STD		589.259 > 419.061	YES
53	PFDoA	307-55-1		613.094 > 569.084	YES
54	MPFDOA	INT STD		615.079 > 570.077	YES

	Calculate Ion Ratio Tolerance As	Target Ion Ratio Method	1:Ion Trace	1:Ion Ratio	1:Ion Ratio Win (%) ±
1	Ratio	Quan/Target		0.0000	50
2	Ratio	Quan/Target		0.0000	20
3	Ratio	Quan/Target		0.0000	20
4	Ratio	Quan/Target		0.0000	0
5	Ratio	Quan/Target		0.0000	20
6	Ratio	Quan/Target	299.092 > 99.061	1.9710	50
7	Ratio	Quan/Target		0.0000	20
8	Ratio	Quan/Target	327.146 > 81.07	2.6490	50
9	Ratio	Quan/Target		0.0000	20
10	Ratio	Quan/Target	313.047 > 119.18	17.1480	50
11	Ratio	Quan/Target		0.0000	20
12	Ratio	Quan/Target	349.1 > 99.061	2.2110	50
13	Ratio	Quan/Target	363.055 > 169.022	6.1920	50
14	Ratio	Quan/Target		0.0000	20
15	Ratio	Quan/Target	399.107 > 99.061	2.1940	50
16	Ratio	Quan/Target	399.107 > 99.061	1.5970	50
17	Ratio	Quan/Target	399.107 > 99.061	0.4240	50
18	Ratio	Quan/Target		0.0000	20
19	Ratio	Quan/Target	412.8430 > 219....	0.0000	0
20	Ratio	Quan/Target	412.8430 > 219....	9.4430	50
21	Ratio	Quan/Target	412.8430 > 219....	8.5080	50
22	Ratio	Quan/Target		0.0000	20
23	Ratio	Quan/Target		2.8360	20
24	Ratio	Quan/Target	427.161 > 81.07	3.5590	50
25	Ratio	Quan/Target		0.0000	20
26	Ratio	Quan/Target	449.115 > 99.061	1.2560	50
27	Ratio	Quan/Target	462.8510 > 219.03	3.9350	50
28	Ratio	Quan/Target		0.0000	20
29	Ratio	Quan/Target	498.9030 > 98.951	2.7930	50
30	Ratio	Quan/Target	498.9030 > 98.9...	1.8430	50
31	Ratio	Quan/Target	498.9030 > 98.9...	0.4240	50
32	Ratio	Quan/Target		0.0000	20
33	Ratio	Quan/Target		0.0000	20
34	Ratio	Quan/Target	512.8580 > 219....	6.7640	50
35	Ratio	Quan/Target		0.0000	20
36	Ratio	Quan/Target		0.0000	20
37	Ratio	Quan/Target	526.6490 > 80.6...	4.1110	50
38	Ratio	Quan/Target		0.0000	20
39	Ratio	Quan/Target	549.131 > 99.061	1.5340	50
40	Ratio	Quan/Target		0.0000	20
41	Ratio	Quan/Target	570.202 > 482.77	1.2010	50
42	Ratio	Quan/Target	570.202 > 482.77	1.7440	50
43	Ratio	Quan/Target	570.202 > 482.77	2.3680	50
44	Ratio	Quan/Target	562.5852 > 268....	12.1240	50
45	Ratio	Quan/Target		0.0000	20
46	Ratio	Quan/Target	599.139 > 99.061	1.7620	50
47	Ratio	Quan/Target	498.146 > 169.022	90.8860	50
48	Ratio	Quan/Target		0.0000	20
49	Ratio	Quan/Target	584.229 > 526.1...	0.7050	50
50	Ratio	Quan/Target	584.229 > 526.1...	1.1440	50
51	Ratio	Quan/Target	584.229 > 526.1...	2.1220	50
52	Ratio	Quan/Target		1.3910	20
53	Ratio	Quan/Target	613.094 > 319.045	23.2330	50
54	Ratio	Quan/Target		0.0000	20

	Compound Name	CAS Number	Compound Type	Quantification Trace	Include Quan Trace in Response?
55	PFTrDA	72629-94-8		663.102 > 619.092	YES
56	PFTA	376-06-7		712.8900 > 668.9900	YES
57	M2PFTEDA	INT STD		714.5214 > 669.7984	YES
58	M3HFPO-DA	INT STD		287.02 > 169.022	YES
59	HFPO-DA	13252-13-6		285.035 > 169.022	YES
60	ADONA	958445-44-8		377.06 > 251.028	YES
61	PFHxDA			813.122 > 768.8565	YES
62	PFODA			913.411 > 868.7332	YES
63	M2PFHxDA			815.102 > 770.108	YES
64	PFDoS			699.154 > 80.062	YES
65	M2D4-10:2FTS			633.201 > 612.189	YES
66	10:2FTS			627.192 > 607.186	YES
67	9CL-PF3ONS			530.862 > 350.843	YES
68	11CL-PFOUdS			630.862 > 450.854	YES
69	NMeFOSA			512.163 > 169.022	YES
70	d3-NMeFOSA			515.183 > 169.022	YES
71	NEtFOSA			526.192 > 169.022	YES
72	d5-NEtFOSA			531.222 > 169.022	YES
73	NMeFOSE			615.8 > 59.045	YES
74	d7-NMeFOSE			622.84 > 59.045	YES
75	NEtFOSE			629.862 > 59.045	YES
76	d9-NEtFOSE			638.734 > 59.045	YES
77	M3PFPeA			266.017 > 222.007	YES
78	M2PFHxA			315.032 > 270.03	YES
79	M4PFOA			417.032 > 372.03	YES
80	PFPrS	423-41-6		249.084 > 80.062	YES
81	PFMPA			229.032 > 85.006	YES
82	PFMBA			279.042 > 85.006	YES
83	PFEESA			315.093 > 135.013	YES
84	NFDHA			295.032 > 201.027	YES
85	TEST_NFDHA			295.032 > 201.027	YES

	Calculate Ion Ratio Tolerance As	Target Ion Ratio Method	1:Ion Trace	1:Ion Ratio	1:Ion Ratio Win (%) ±
55	Ratio	Quan/Target	663.102 > 319.045	9.7170	50
56	Ratio	Quan/Target	712.8900 > 219....	11.0760	50
57	Ratio	Quan/Target		0.0000	20
58	Ratio	Quan/Target		0.0000	50
59	Ratio	Quan/Target	328.989 > 284.982	4.6870	50
60	Ratio	Quan/Target	377.06 > 84.8	26.4490	50
61	Ratio	Quan/Target	813.122 > 369.053	19.0350	50
62	Ratio	Quan/Target	913.411 > 369.053	19.6200	50
63	Ratio	Quan/Target		0.0000	20
64	Ratio	Quan/Target	699.154 > 99.061	2.5270	50
65	Ratio	Quan/Target		0.0000	20
66	Ratio	Quan/Target	627.192 > 81.07	1.5530	50
67	Ratio	Quan/Target	532.8 > 353	2.8750	50
68	Ratio	Quan/Target	632.9 > 452.9	3.1980	50
69	Ratio	Quan/Target	512.163 > 219.03	2.0640	50
70	Ratio	Quan/Target		0.0000	20
71	Ratio	Quan/Target	526.192 > 119.03	4.6540	50
72	Ratio	Quan/Target		0.0000	20
73	Ratio	Quan/Target		0.0000	50
74	Ratio	Quan/Target		0.0000	20
75	Ratio	Quan/Target		0.0000	50
76	Ratio	Quan/Target		0.0000	20
77	Ratio	Quan/Target		0.0000	20
78	Ratio	Quan/Target		0.0000	20
79	Ratio	Quan/Target		0.0000	20
80	Ratio	Quan/Target	249.084 > 99.061	2.9580	50
81	Ratio	Quan/Target		0.0000	50
82	Ratio	Quan/Target		0.0000	50
83	Ratio	Quan/Target	315.093 > 82.9	22.2580	50
84	Ratio	Quan/Target	295.032 > 84.9	27.4290	50
85	Ratio	Quan/Target	295.032 > 84.9	0.0000	50

537 PFC ISO ICAL

Standard Description: **537 Secondary STOCK DILUTION** Standard Stock Dilution 2-20 ug/mL

Standard Laboratory ID Number: **LC_537ISO_ICALSTOCK_220311**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS220115A,B	30 compound PAR	1.0	**Wellington/PFAC30PAR/Semi05**	2000	4.0	MeOH	500
537_220203_SS	Secondary Stock	2.0	**Semi05**	1000.0	4.0	MeOH	500
LCMS220124H	533 Native add ons	2.0	**Wellington/PFAC-MXG/Semi05**	1000.0	4.0	MeOH	500
Solution Prepared By:	MARISSA PARKER		Date Prepared:	March 11, 2022		Expiration Date:	January 13, 2023
Solvent Lot	EB849-US		Refrigerator / Freezer No:	SEMI05 Fridge			

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/17/22 18:57	
Lab File ID	: I59006		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-1		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.450	0.500	90	50-150
Perfluoropentanoic Acid (PFPeA)	0.505	0.500	101	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.419	0.440	94.6	50-150
Perfluorohexanoic Acid (PFHxA)	0.489	0.500	97.9	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.353	0.470	75.4	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.451	0.470	95.9	50-150
Perfluoroheptanoic Acid (PFHpA)	0.454	0.500	90.8	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.062	0.095	65.7	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.352	0.405	86.9	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.414	0.457	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.482	0.500	96.3	50-150
Perfluorooctanoic Acid (PFOA)	0.482	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.238	0.480	50.1	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.412	0.480	86.5	50-150
Perfluorononanoic Acid (PFNA)	0.487	0.500	97.3	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.065	0.106	62.1	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.346	0.394	87.6	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.411	0.464	-	50-150
Perfluorodecanoic Acid (PFDA)	0.468	0.500	93.7	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.513	0.480	106.8	50-150
Perfluorononanesulfonic Acid (PFNS)	0.412	0.480	85.6	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.448	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.094	0.120	78.5	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.354	0.380	93.2	50-150
Perfluoroundecanoic Acid (PFUnA)	0.489	0.500	97.8	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.340	0.480	70.5	50-150
Perfluorooctanesulfonamide (FOSA)	0.471	0.500	94.3	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.336	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.027	0.113	24*	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.309	0.388	79.7	50-150
Perfluorododecanoic Acid (PFDoA)	0.469	0.500	93.9	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.450	0.500	90	50-150
Perfluorotetradecanoic Acid (PFTA)	0.481	0.500	96.2	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	4.367	5.000	87.3	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.433	0.473	91.6	50-150
Perfluorohexadecanoic Acid (PFHxDA)	0.740	0.500	148	50-150
Perfluorooctadecanoic Acid (PFODA)	0.302	0.500	60.4	50-150
Perfluorododecane Sulfonic Acid (PFDoDS)	0.453	0.484	90.5	50-150
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	0.703	0.483	145.5	50-150
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.418	0.467	89.7	50-150
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.382	0.472	81	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.915	10.000	99.1	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/17/22 18:57	
Lab File ID	: I59006		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-1		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	9.762	10.000	97.6	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.322	9.320	100	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	8.676	9.380	92.5	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.776	10.000	97.8	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.160	10.000	101.6	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.545	9.480	100.7	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.363	10.000	103.6	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	7.335	9.510	77.1	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.387	10.000	103.9	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	10.091	9.590	105.2	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.188	10.000	101.9	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	8.295	9.600	86.4	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	8.162	10.000	81.6	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	10.250	10.000	102.5	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	9.379	10.000	93.8	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	8.879	10.000	88.8	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.085	10.000	90.9	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	9.022	10.000	90.2	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	208.649	200.000	104.3	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	8.728	10.000	87.3	50-150
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	17.616	19.600	89.9	50-150
M4PFOS	13.277		132.8	
M2PFDA	13.441		134.4	
M2PFOA	12.845		128.5	
M3PFBA	12.885		128.8	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/17/22 22:32	
Lab File ID	: I59019		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-2		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	9.504	10.000	95	70-130
Perfluoropentanoic Acid (PFPeA)	10.232	10.000	102.3	70-130
Perfluorobutanesulfonic Acid (PFBS)	9.012	8.870	101.6	70-130
Perfluorohexanoic Acid (PFHxA)	9.806	10.000	98.1	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	9.062	9.350	96.7	70-130
Perfluoropentanesulfonic Acid (PFPeS)	9.487	9.400	100.8	70-130
Perfluoroheptanoic Acid (PFHpA)	9.457	10.000	94.6	70-130
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	1.852	1.893	98	70-130
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	7.493	8.107	92.4	70-130
Perfluorohexanesulfonic Acid (PFHxS)	9.344	9.140	-	70-130
Perfluorooctanoic Acid-Branched (br-PFOA)			-	70-130
Perfluorooctanoic Acid-Linear (L-PFOA)	9.491	10.000	94.9	70-130
Perfluorooctanoic Acid (PFOA)	9.491	10.000	-	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.421	9.500	99.1	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	8.965	9.500	94.1	70-130
Perfluorononanoic Acid (PFNA)	9.702	10.000	97	70-130
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	2.084	2.112	98.7	70-130
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	7.633	7.888	96.7	70-130
Perfluorooctanesulfonic Acid (PFOS)	9.717	9.280	-	70-130
Perfluorodecanoic Acid (PFDA)	9.835	10.000	98.4	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	11.783	9.600	122.7	70-130
Perfluorononanesulfonic Acid (PFNS)	9.186	9.600	95.5	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	10.575	10.000	-	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	2.746	2.400	114.4	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	7.829	7.600	103	70-130
Perfluoroundecanoic Acid (PFUnA)	10.515	10.000	105.1	70-130
Perfluorodecanesulfonic Acid (PFDS)	9.531	9.650	98.8	70-130
Perfluorooctanesulfonamide (FOSA)	9.761	10.000	97.6	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	9.855	10.000	-	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	2.214	2.250	98.4	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	7.641	7.750	98.6	70-130
Perfluorododecanoic Acid (PFDoA)	10.045	10.000	100.5	70-130
Perfluorotridecanoic Acid (PFTrDA)	10.008	10.000	100.1	70-130
Perfluorotetradecanoic Acid (PFTA)	10.062	10.000	100.6	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	82.442	100.000	82.4	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	8.957	9.450	94.8	70-130
Perfluorohexadecanoic Acid (PFHxDA)	9.881	10.000	98.8	70-130
Perfluorooctadecanoic Acid (PFODA)	8.805	10.000	88	70-130
Perfluorododecane Sulfonic Acid (PFDoDS)	8.671	9.680	86.7	70-130
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	8.122	9.660	84.1	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	9.117	9.330	97.7	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	8.361	9.430	88.7	70-130
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.979	10.000	99.8	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/17/22 22:32	
Lab File ID	: I59019		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-2		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	9.614	10.000	96.1	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	8.896	9.320	95.5	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	7.319	9.380	78	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.323	10.000	93.2	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	9.751	10.000	97.5	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.040	9.480	95.4	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.027	10.000	100.3	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	7.080	9.510	74.5	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.052	10.000	100.5	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	9.610	9.590	100.2	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	9.977	10.000	99.8	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	6.859	9.600	71.4	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	8.597	10.000	86	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	9.750	10.000	97.5	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8.419	10.000	84.2	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	8.519	10.000	85.2	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	8.794	10.000	87.9	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	9.244	10.000	92.4	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	220.739	200.000	110.4	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	8.820	10.000	88.2	50-150
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	14.047	19.600	71.7	50-150
M4PFOS	13.637		136.4	
M2PFDA	13.225		132.3	
M2PFOA	12.894		128.9	
M3PFBA	12.122		121.2	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/18/22 02:07	
Lab File ID	: I59032		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-3		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.453	0.500	90.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.508	0.500	101.5	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.413	0.440	93.2	50-150
Perfluorohexanoic Acid (PFHxA)	0.478	0.500	95.6	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.383	0.470	81.8	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.422	0.470	89.6	50-150
Perfluoroheptanoic Acid (PFHpA)	0.452	0.500	90.5	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.054	0.095	57	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.314	0.405	77.4	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.368	0.457	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.480	0.500	96	50-150
Perfluorooctanoic Acid (PFOA)	0.480	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.340	0.480	71.5	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.447	0.480	93.7	50-150
Perfluorononanoic Acid (PFNA)	0.455	0.500	91	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.066	0.106	62.4	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.363	0.394	91.9	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.428	0.464	-	50-150
Perfluorodecanoic Acid (PFDA)	0.474	0.500	94.9	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.424	0.480	88.4	50-150
Perfluorononanesulfonic Acid (PFNS)	0.446	0.480	92.7	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.353	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.110	0.120	92	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.242	0.380	63.7	50-150
Perfluoroundecanoic Acid (PFUnA)	0.463	0.500	92.6	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.448	0.480	92.9	50-150
Perfluorooctanesulfonamide (FOSA)	0.499	0.500	99.8	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.466	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.110	0.113	97.4	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.356	0.388	91.9	50-150
Perfluorododecanoic Acid (PFDoA)	0.448	0.500	89.6	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.501	0.500	100.2	50-150
Perfluorotetradecanoic Acid (PFTA)	0.545	0.500	109	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	4.550	5.000	91	50-150
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.446	0.473	94.3	50-150
Perfluorohexadecanoic Acid (PFHxDA)	0.753	0.500	150.6*	50-150
Perfluorooctadecanoic Acid (PFODA)	0.419	0.500	83.8	50-150
Perfluorododecane Sulfonic Acid (PFDoDS)	0.512	0.484	102.4	50-150
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	0.435	0.483	90	50-150
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.413	0.467	88.4	50-150
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.383	0.472	81.2	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.978	10.000	99.8	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Phoenix Environmental Labs		**Lab Number**	: L2218526	
Project Name	: GCL03162		**Project Number**	: GCL03162	
Instrument ID	: LCMS02		**Calibration Date**	: 04/18/22 02:07	
Lab File ID	: I59032		**Init. Calib. Date(s)**	: 04/13/22	04/13/22
Sample No	: WG1628148-3		**Init. Calib. Times**	: 16:33	19:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.191	10.000	101.9	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	8.616	9.320	92.4	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	5.923	9.380	63.1	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.466	10.000	94.7	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.065	10.000	100.6	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.162	9.480	96.7	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.331	10.000	103.3	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	5.925	9.510	62.3	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.224	10.000	102.2	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	9.173	9.590	95.7	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	10.171	10.000	101.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	6.491	9.600	67.6	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	11.520	10.000	115.2	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	9.997	10.000	100	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7.740	10.000	77.4	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	10.298	10.000	103	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.064	10.000	90.6	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	8.946	10.000	89.5	50-150
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	278.164	200.000	139.1	50-150
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	9.027	10.000	90.3	50-150
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	11.797	19.600	60.2	50-150
M4PFOS	14.975		149.8	
M2PFDA	13.899		139	
M2PFOA	13.162		131.6	
M3PFBA	11.831		118.3	

* Value outside of QC limits.

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:56:52 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: WG1628148-1,537ILOW
Name: I59006
Date: 17-Apr-2022
Time: 18:57:02
Description: WG1628148,WG1626705,ICAL18931,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	1401		0.450		na	90.0
2	M3PFBA	INT STD	2.12	216.009 > 171.999	32820		12.885		na	128.8
3	MPFBA	INT STD	2.12	217.001 > 171.999	36302		9.915		na	99.1
4	PFPeA	2706-90-3	5.00	263.039 > 219.03	1713		0.505		na	101.0
5	M5PFPEA	INT STD	5.00	268.001 > 222.999	43904		9.762		na	97.6
6	PFBS	375-73-5	5.66	299.092 > 80.062	393		0.419	2.15	NO	94.6
7	M3PFBS	INT STD	5.66	302.069 > 80.062	8466		9.322		na	100.0
8	4:2FTS	757124-72-4	6.82	327.146 > 307.139	134		0.353	2.41	NO	75.4
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	3517		8.676		na	92.5
10	PFHxA	307-24-4	6.89	313.047 > 269.037	2610	M7	0.489	20.81	NO	97.9
11	M5PFHxA	INT STD	6.89	318.009 > 273.007	54867		9.776		na	97.8
12	PFPeS	2706-91-4	7.22	349.1 > 80.062	394		0.451	3.24	NO	95.9
13	PFHpA	375-85-9	8.17	363.055 > 319.045	3115		0.454	6.28	NO	90.8
14	M4PFHpA	INT STD	8.17	367.025 > 322.022	68240		10.160		na	101.6
15	br-PFHxS	355-46-4	8.10	399.107 > 80.062	40	M5,M7	0.062	2.98	NO	65.7
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	267	M7	0.352	1.86	NO	86.9
17	PFHxS	355-46-4		399.107 > 80.062	308		0.414		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	8129		9.545		na	100.7
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	4452		0.482	8.17	NO	96.3
21	PFOA	335-67-1		412.8430 > 368.9430	4452		0.482		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	93897		10.363		na	103.6
23	M2PFOA	INT STD	9.12	414.828 > 369.935	83768		12.845		na	128.5
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	66	M4	0.238	2.35	NO	50.1
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	2673	M4	7.335		na	77.1
26	PFHpS	375-92-8	9.21	449.115 > 80.062	241		0.412	1.33	NO	86.5
27	PFNA	375-95-1	9.88	462.8510 > 418.951	3642		0.487	3.93	NO	97.3
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	87895		10.387		na	103.9
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	84	M5,M7	0.065	3.65	NO	62.1
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	348		0.346	1.68	NO	87.6
31	PFOS	1763-23-1		498.9030 > 79.9520	432		0.411		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	8662		13.277		na	132.8
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	11242		10.091		na	105.2
34	PFDA	335-76-2	10.52	512.8580 > 468.9590	3833		0.468	6.30	NO	93.7
35	M2PFDA	INT STD	10.52	514.8332 > 469.8243	72150		13.441		na	134.4
36	M6PFDA	INT STD	10.51	518.6490 > 473.8794	87683		10.188		na	101.9
37	8:2FTS	39108-34-4	10.51	526.6490 > 506.7500	217		0.513	2.56	NO	106.8
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	2015		8.295		na	86.4
39	PFNS	68259-12-1	10.54	549.131 > 80.062	218		0.412	1.46	NO	85.6

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:56:52 Eastern Daylight Time

ID: WG1628148-1,537ILOW
Name: I59006
Date: 17-Apr-2022
Time: 18:57:02
Description: WG1628148,WG1626705,ICAL18931,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2908		8.162		na	81.6
41	br-NMeFOSAA		10.73	570.202 > 419.061	12	M7	0.094	0.79	NO	78.5
42	L-NMeFOSAA		10.90	570.202 > 419.061	129	M7	0.354	2.02	NO	93.2
43	NMeFOSAA	2355-31-9		570.202 > 419.061	141		0.448		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	3885		0.489	11.76	NO	97.8
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	52477		10.250		na	102.5
46	PFDS	335-77-3	11.07	599.139 > 80.062	181		0.340	1.82	NO	70.5
47	FOSA	754-91-6	10.91	498.146 > 78.07	736	M7	0.471	1435.60	YES	94.3
48	M8FOSA	INT STD	10.91	506.077 > 78.07	22558		9.379		na	93.8
49	br-NEtFOSAA		11.05	584.229 > 419.061	2	M5,M7	0.027	0.43	NO	24.0
50	L-NEtFOSAA		11.19	584.229 > 419.061	82	M5,M7	0.309	1.67	NO	79.7
51	NEtFOSAA	2991-50-6		584.229 > 419.061	85		0.336		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2639		8.879		na	88.8
53	PFDoA	307-55-1	11.54	613.094 > 569.084	1550		0.469	19.54	NO	93.9
54	MPFDOA	INT STD	11.55	615.079 > 570.077	29552		9.085		na	90.9
55	PFTrDA	72629-94-8	11.97	663.102 > 619.092	1228		0.450	8.92	NO	90.0
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	1989		0.481	13.86	NO	96.2
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	61978		9.022		na	90.2
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	7609		208.649		na	104.3
59	HFPO-DA	13252-13-6	7.33	285.035 > 169.022	188	M7	4.367	9.62	YES	87.3
60	ADONA	958445-44-8	8.35	377.06 > 251.028	2379		0.433	22.72	NO	91.6
61	PFHxDA		12.77	813.122 > 768.8565	844	M7	0.740	18.92	NO	148.0
62	PFODA		13.01	913.411 > 868.7332	69	M4,M7	0.302	12.95	NO	60.4
63	M2PFHxDA		12.77	815.102 > 770.108	10182		8.728		na	87.3
64	PFDoS		11.96	699.154 > 80.062	145	M7	0.453	4.03	YES	90.5
65	M2D4-10:2FTS		11.55	633.201 > 612.189	1839		17.616		na	89.9
66	10:2FTS		11.56	627.192 > 607.186	87		0.703	5.00	YES	145.5
67	9CL-PF3ONS		10.29	530.862 > 350.843	2102		0.418	3.10	NO	89.7
68	11CL-PFOUdS		11.34	630.862 > 450.854	1540		0.382	3.33	NO	81.0

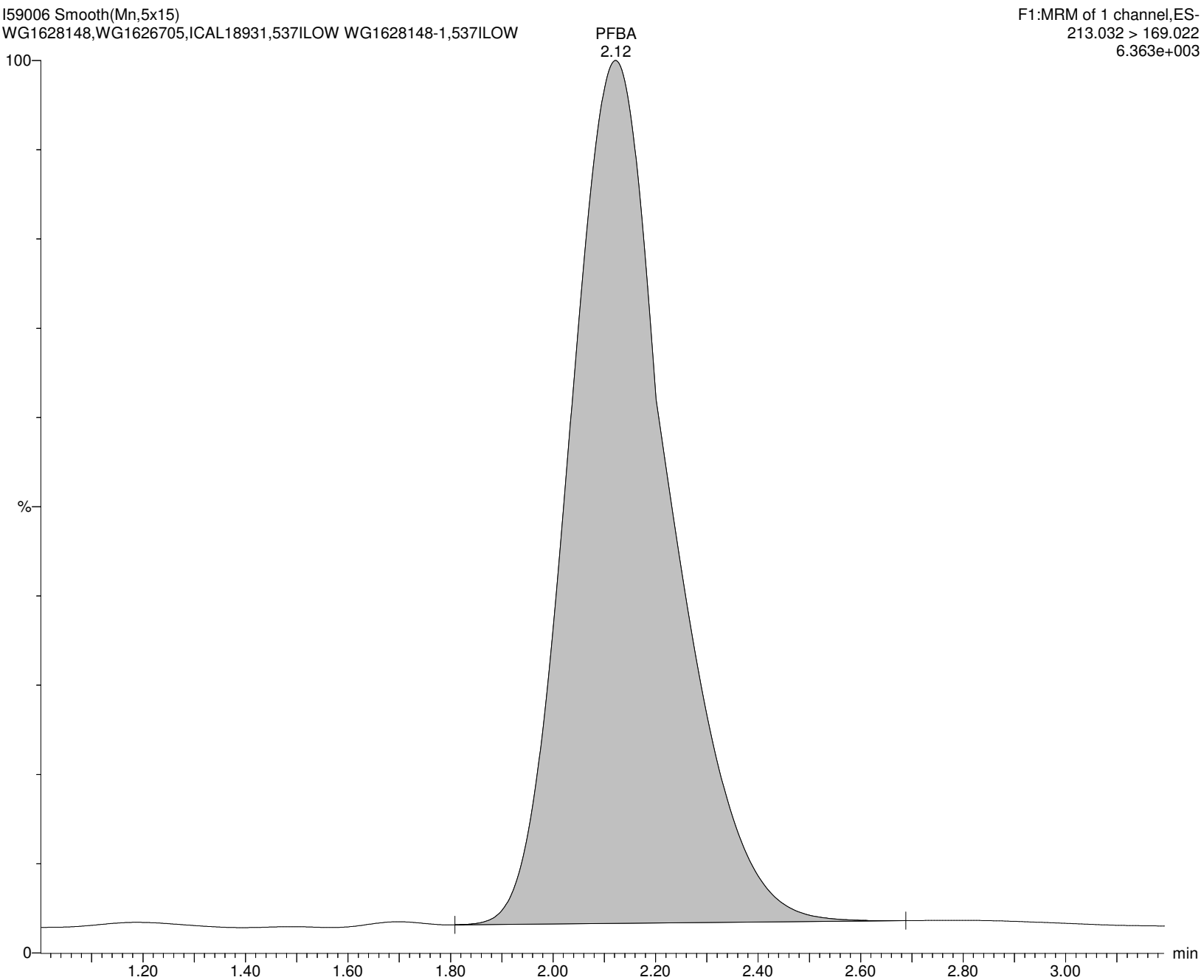
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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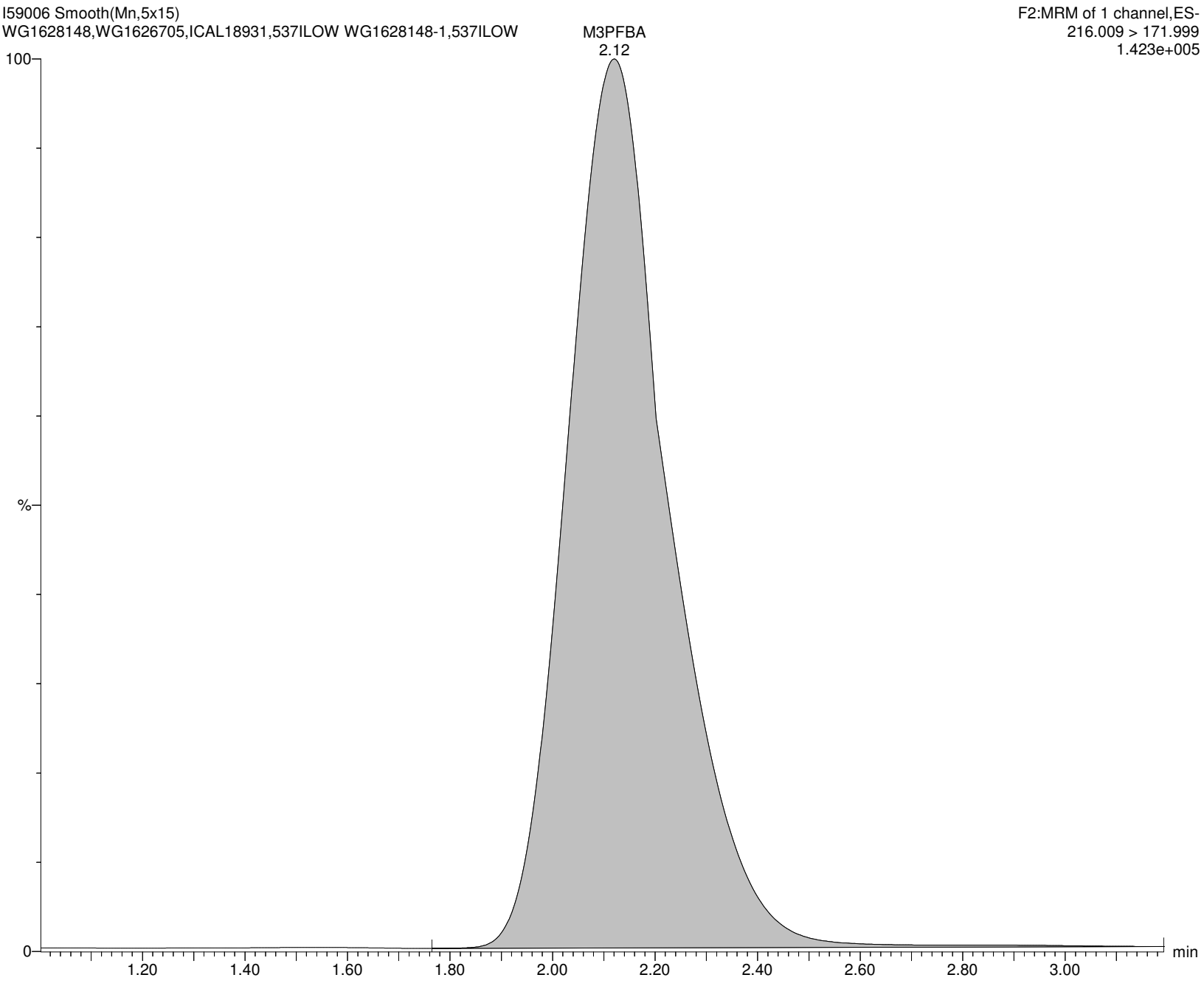


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M3PFBA

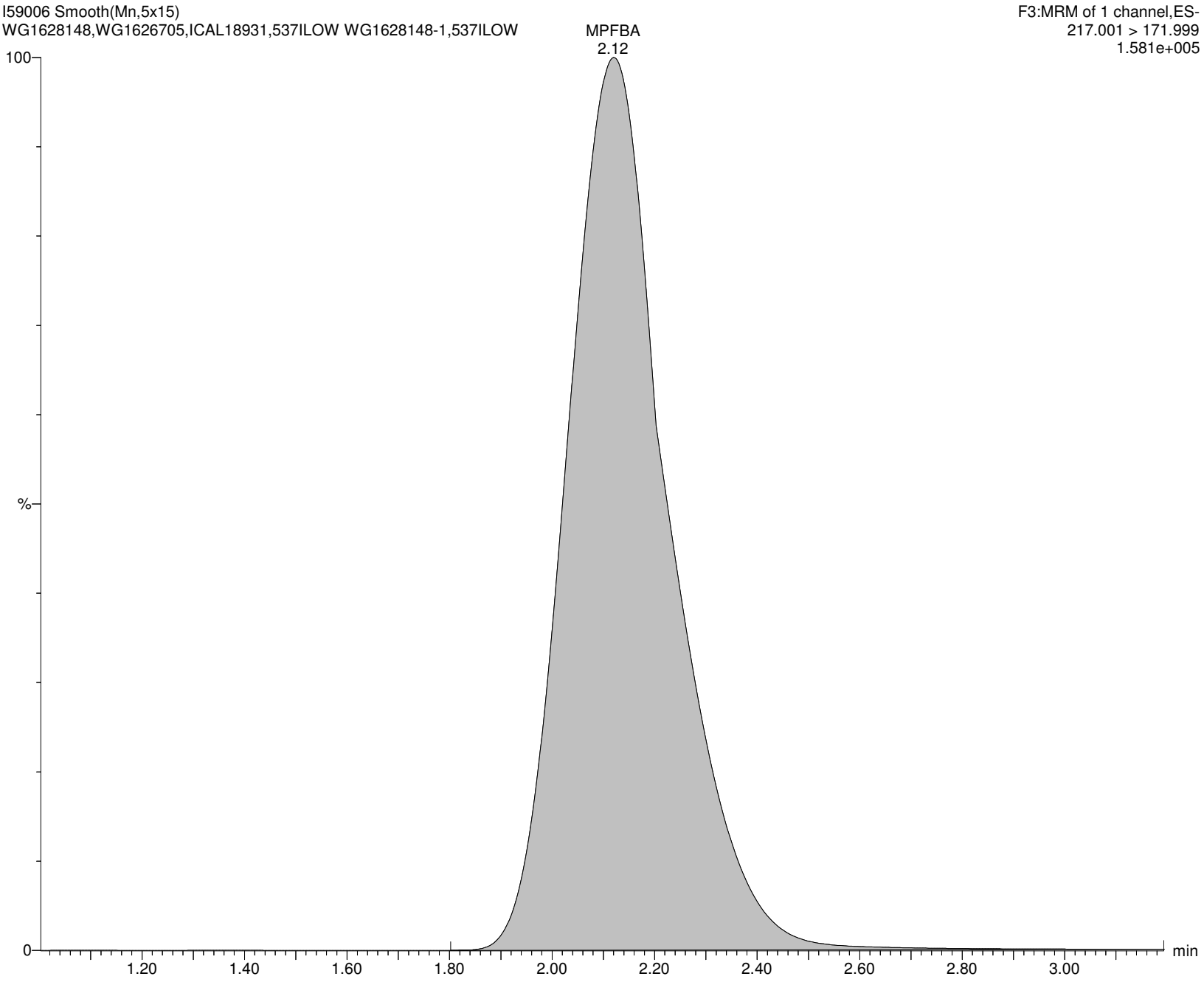


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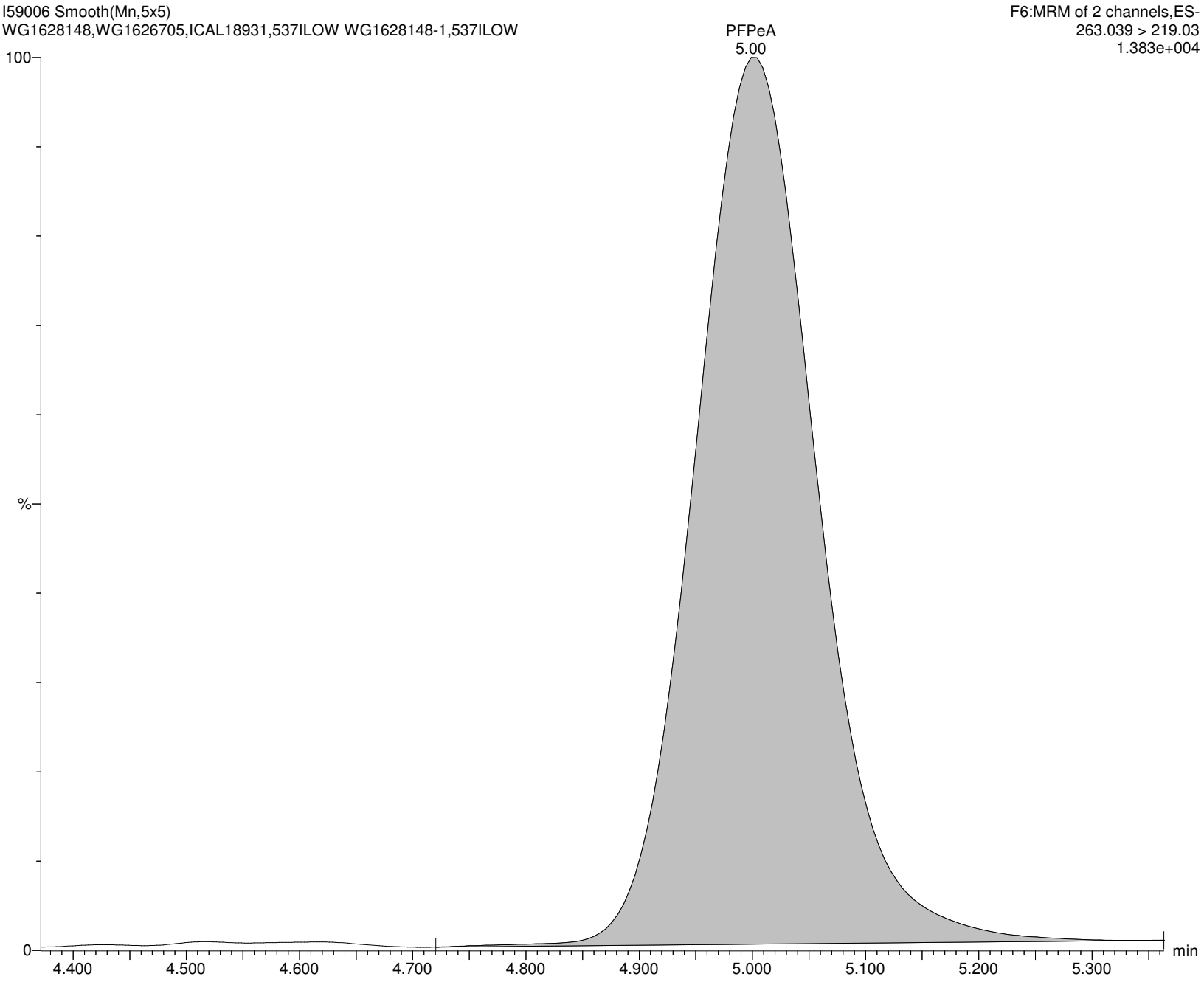


all concentration units in (ng/mL)

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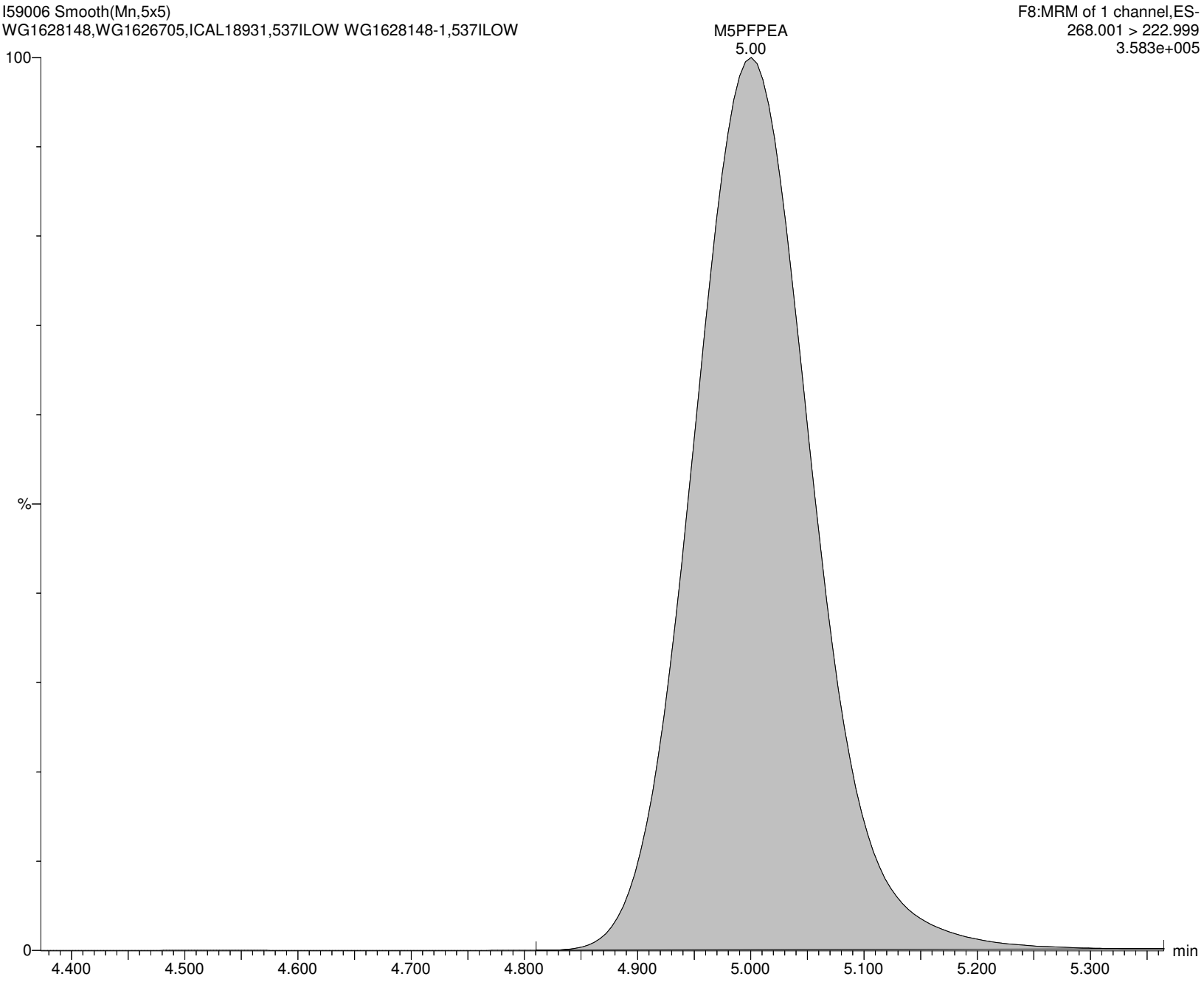


all concentration units in (ng/mL)

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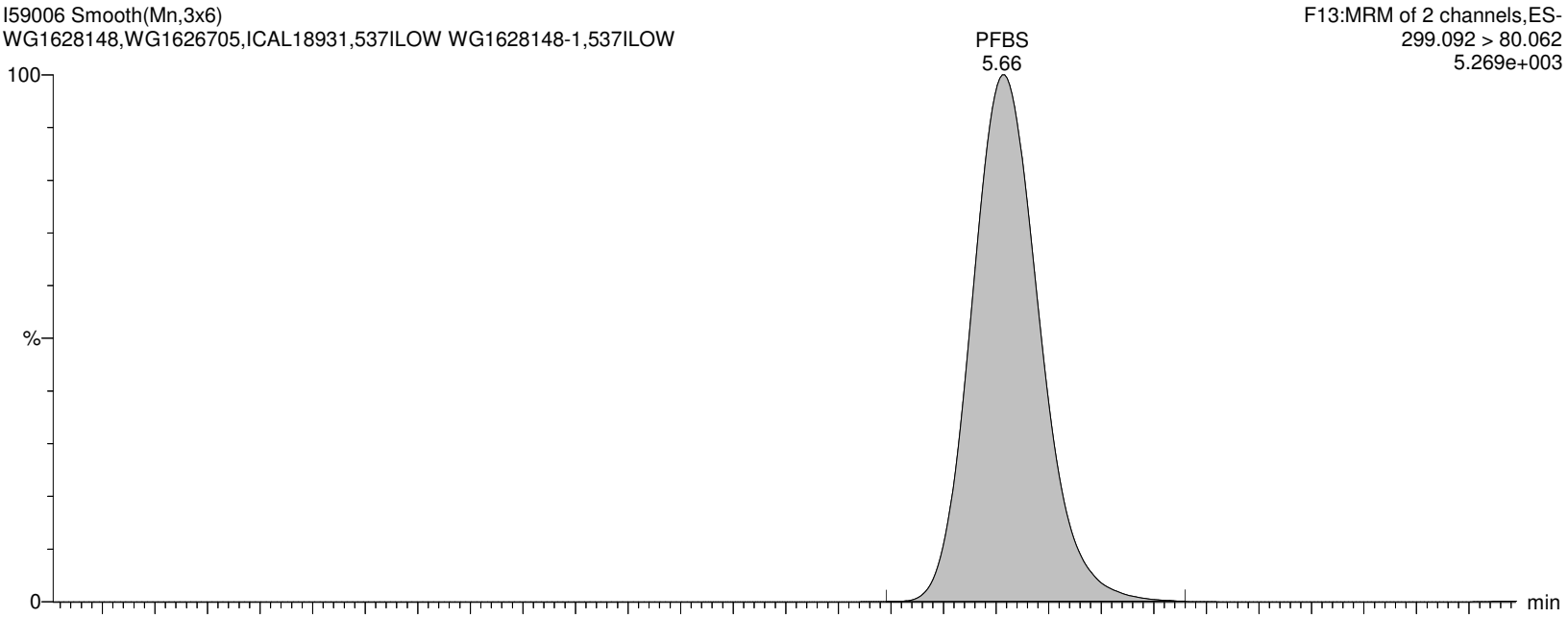


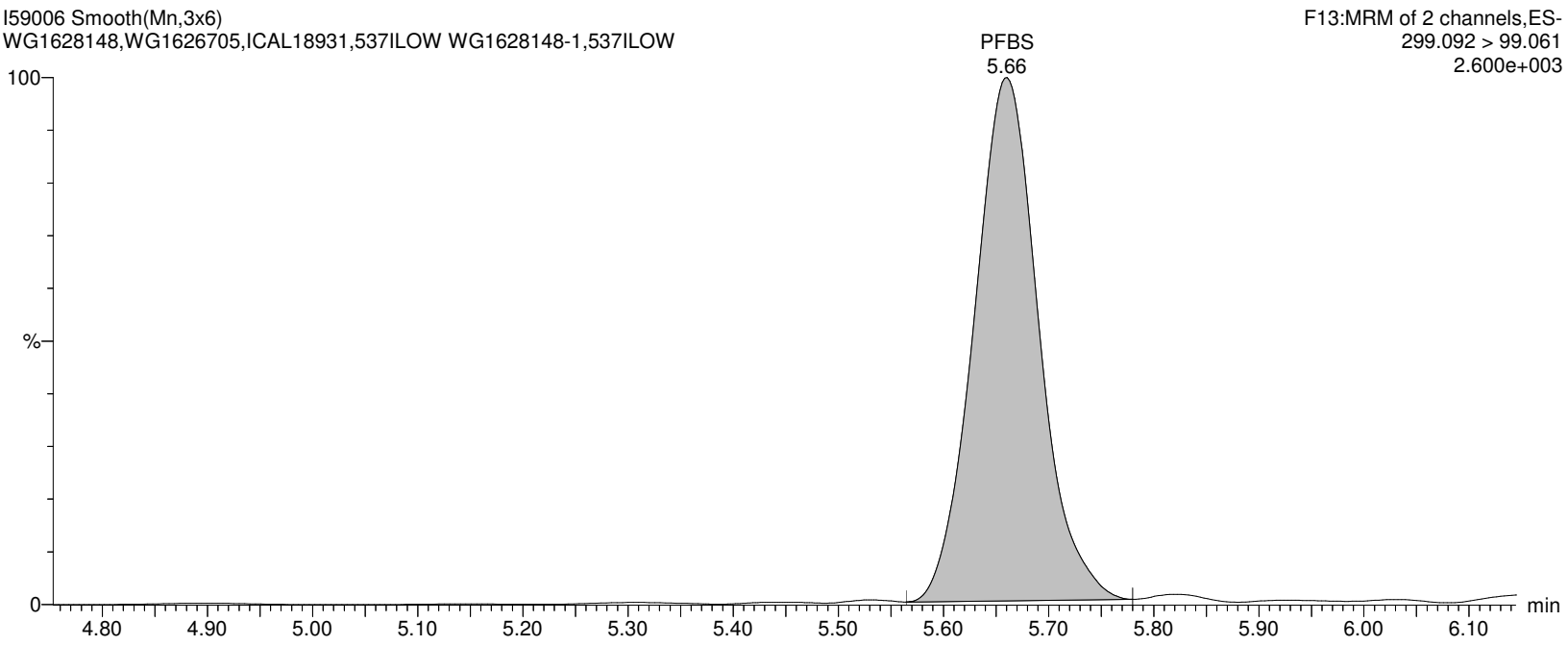
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PFBS



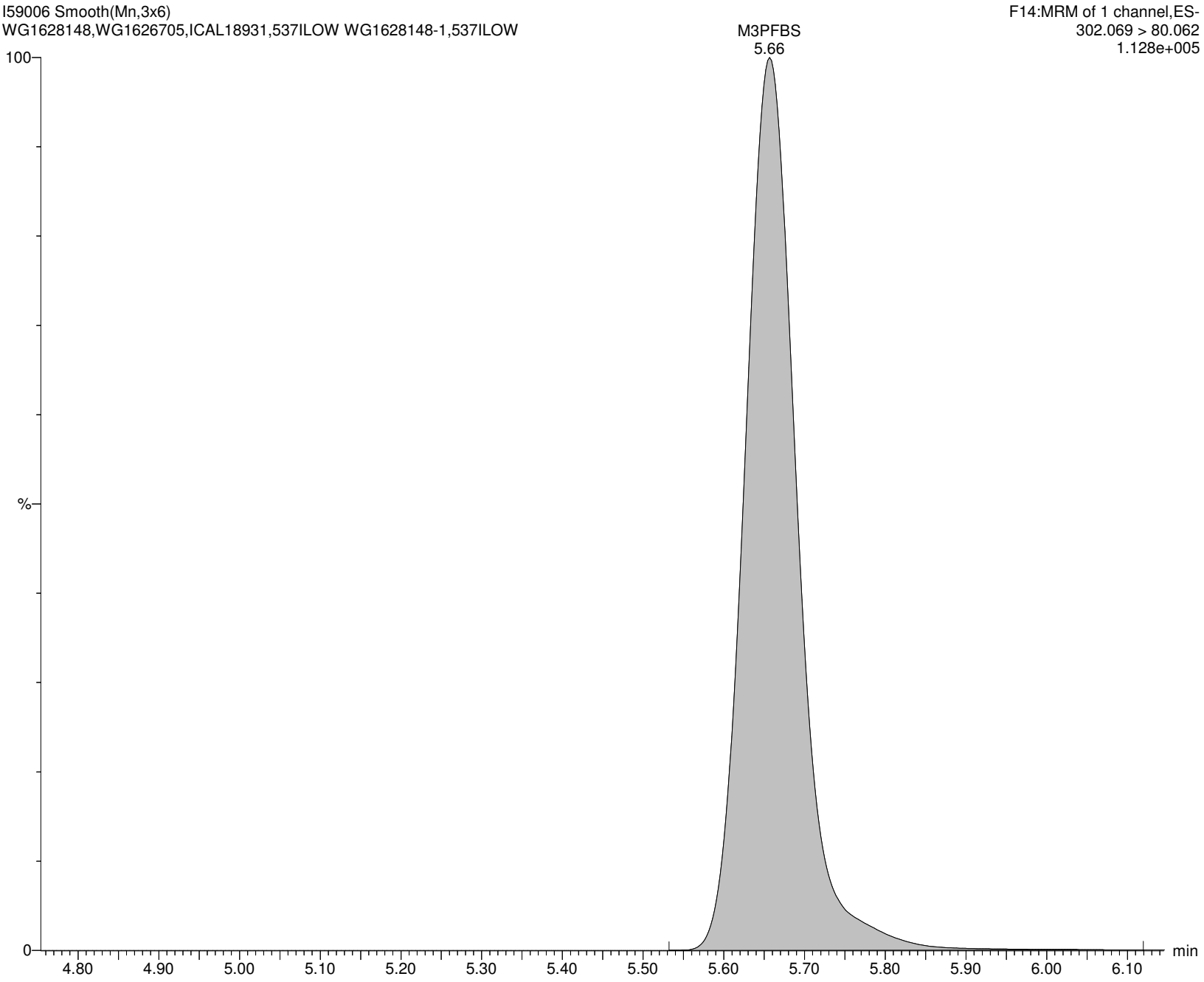


all concentration units in (ng/mL)

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M3PFBS

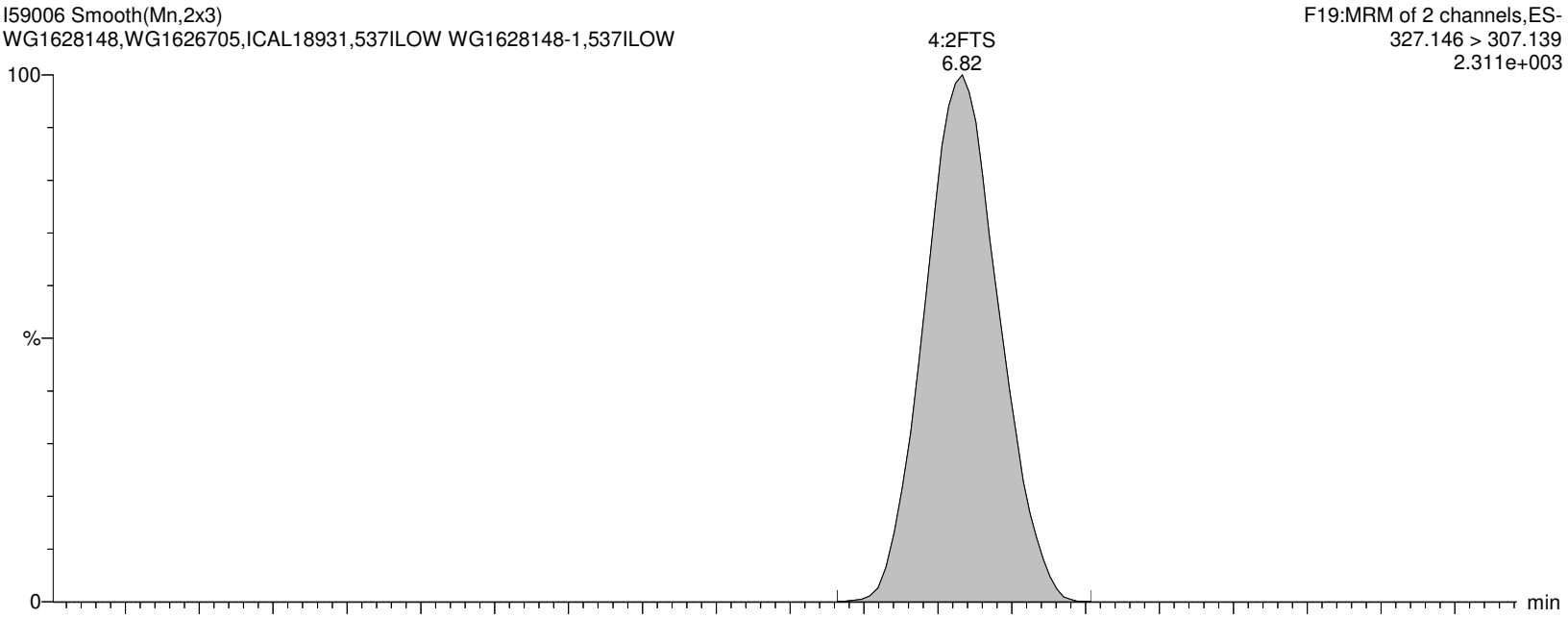


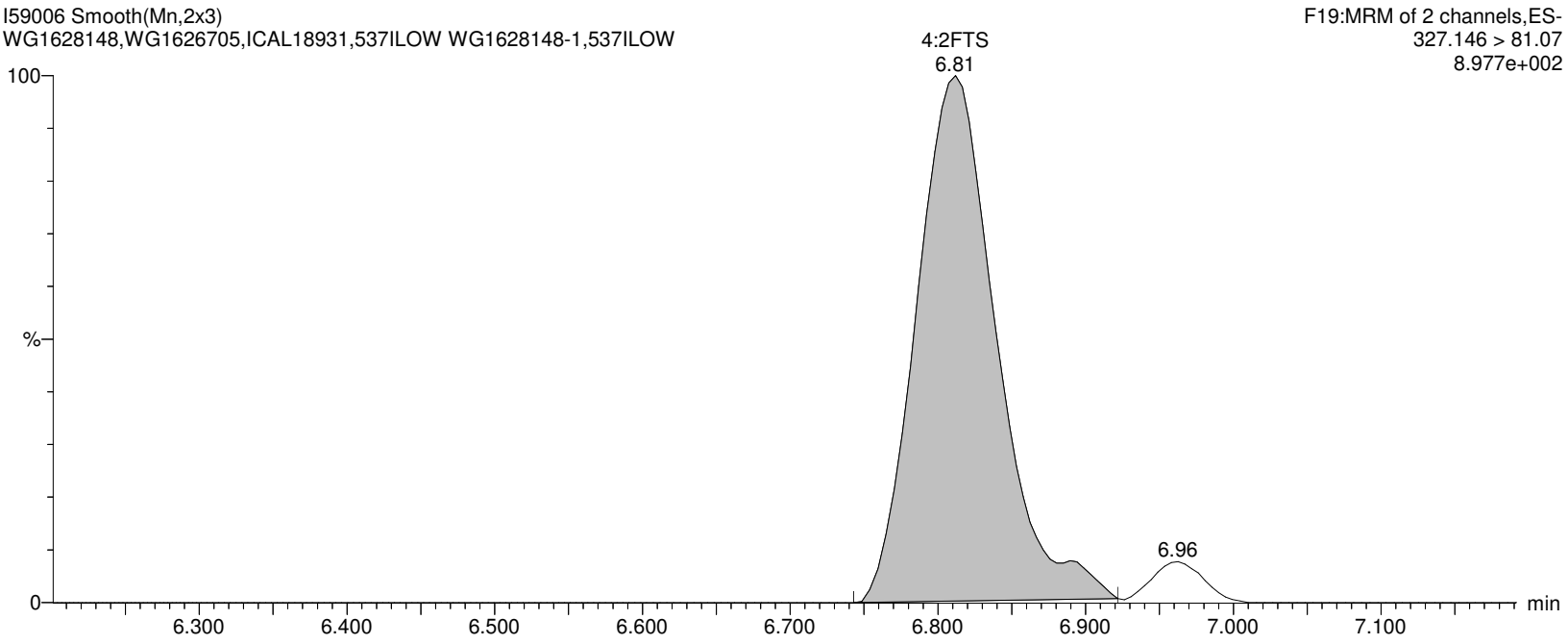
all concentration units in (ng/mL)

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4:2FTS



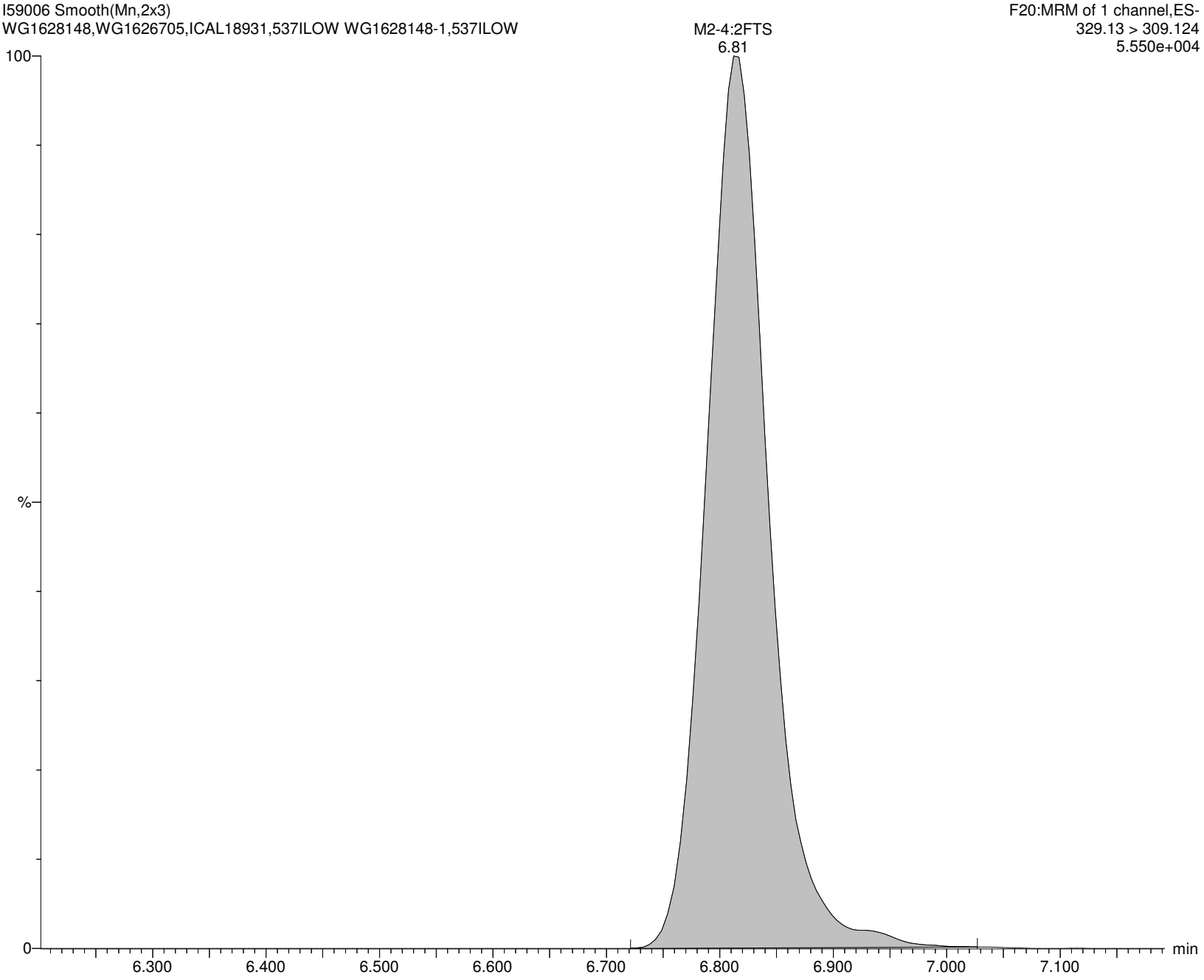


all concentration units in (ng/mL)

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M2-4:2FTS

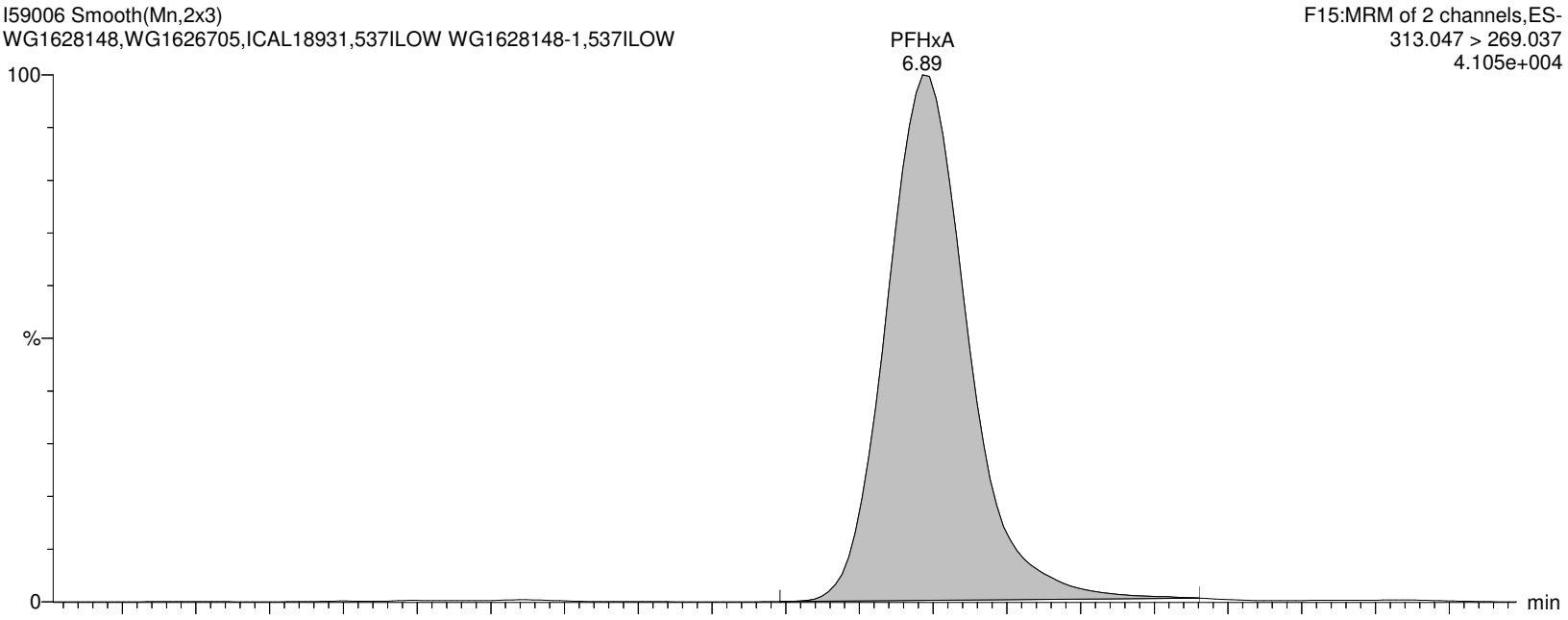


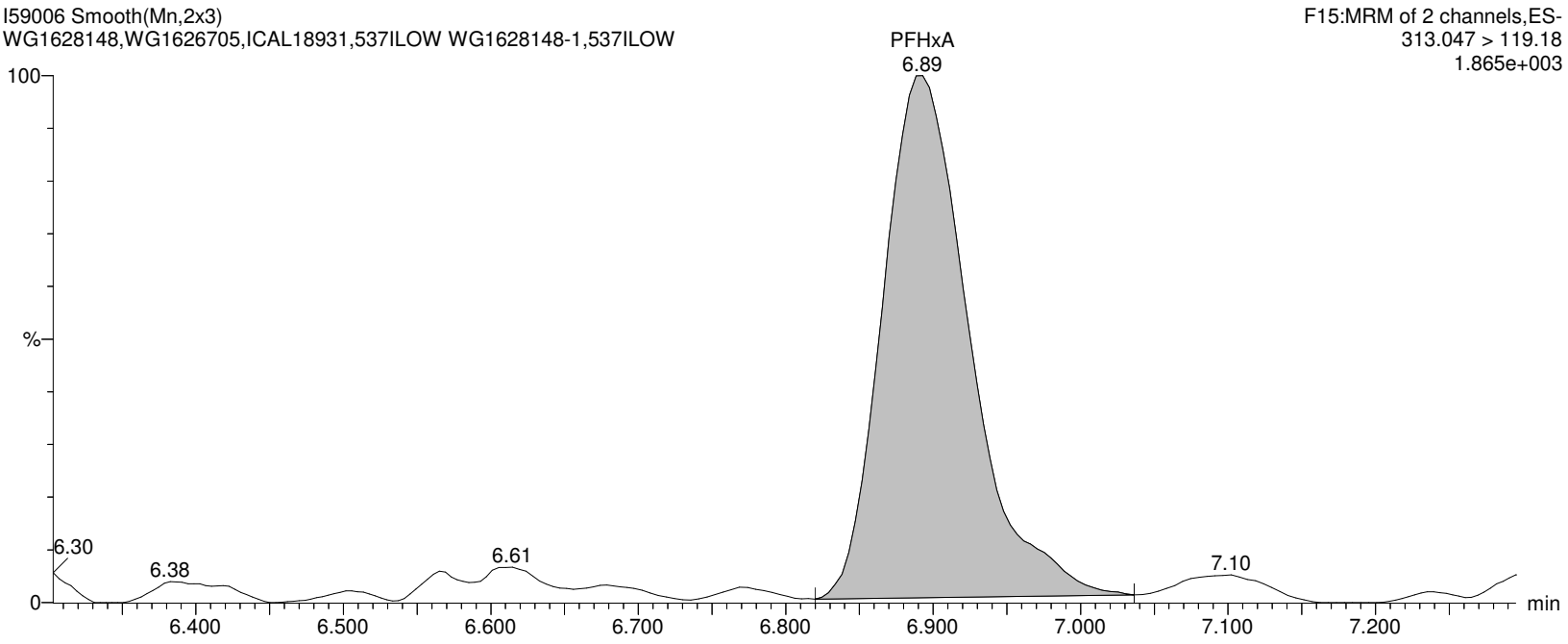
all concentration units in (ng/mL)

Alpha Analytical Inc.
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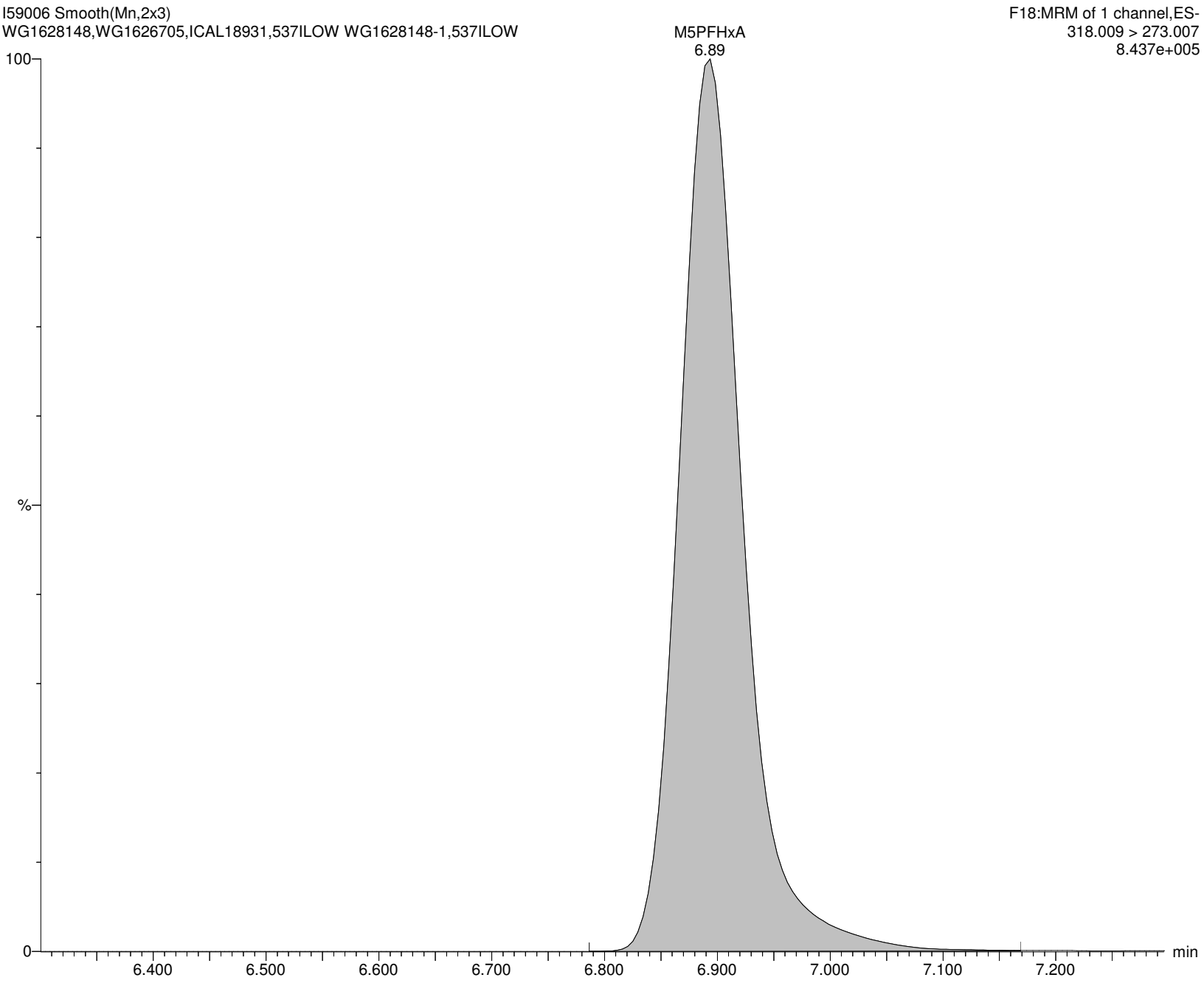


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M5PFHxA

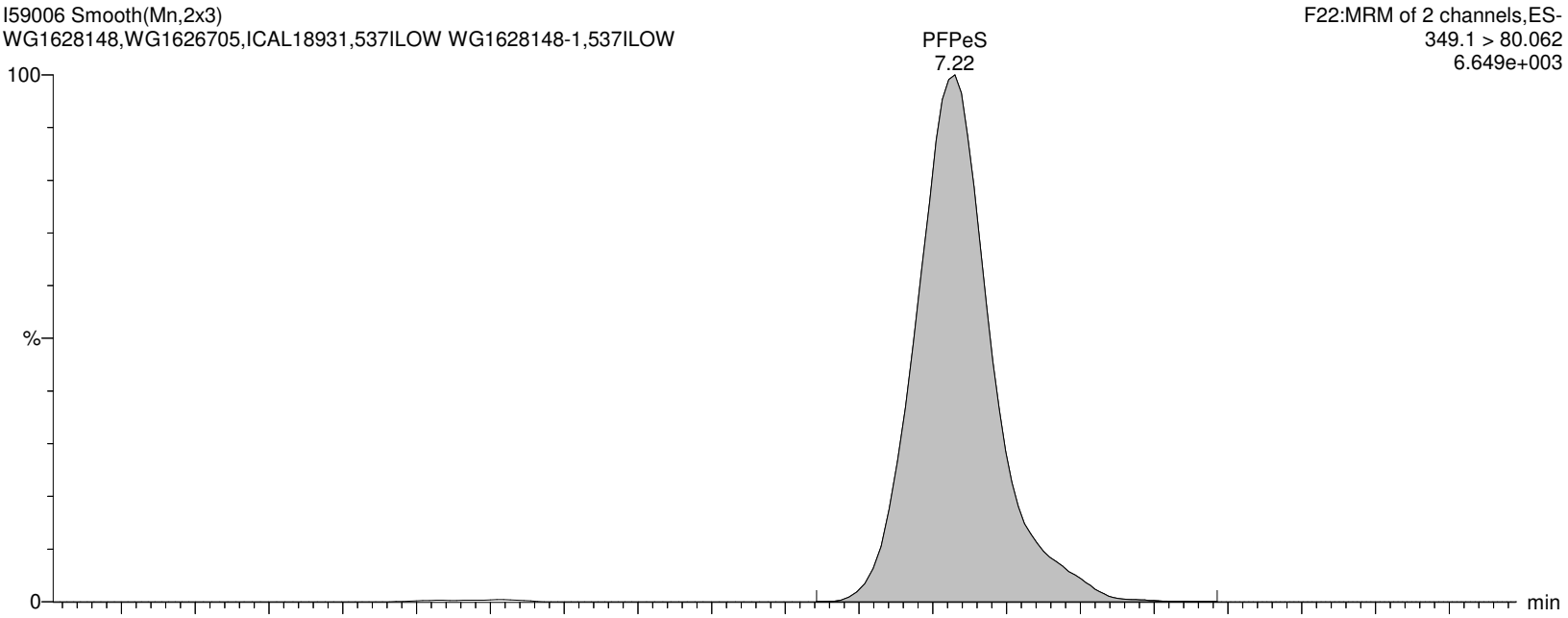


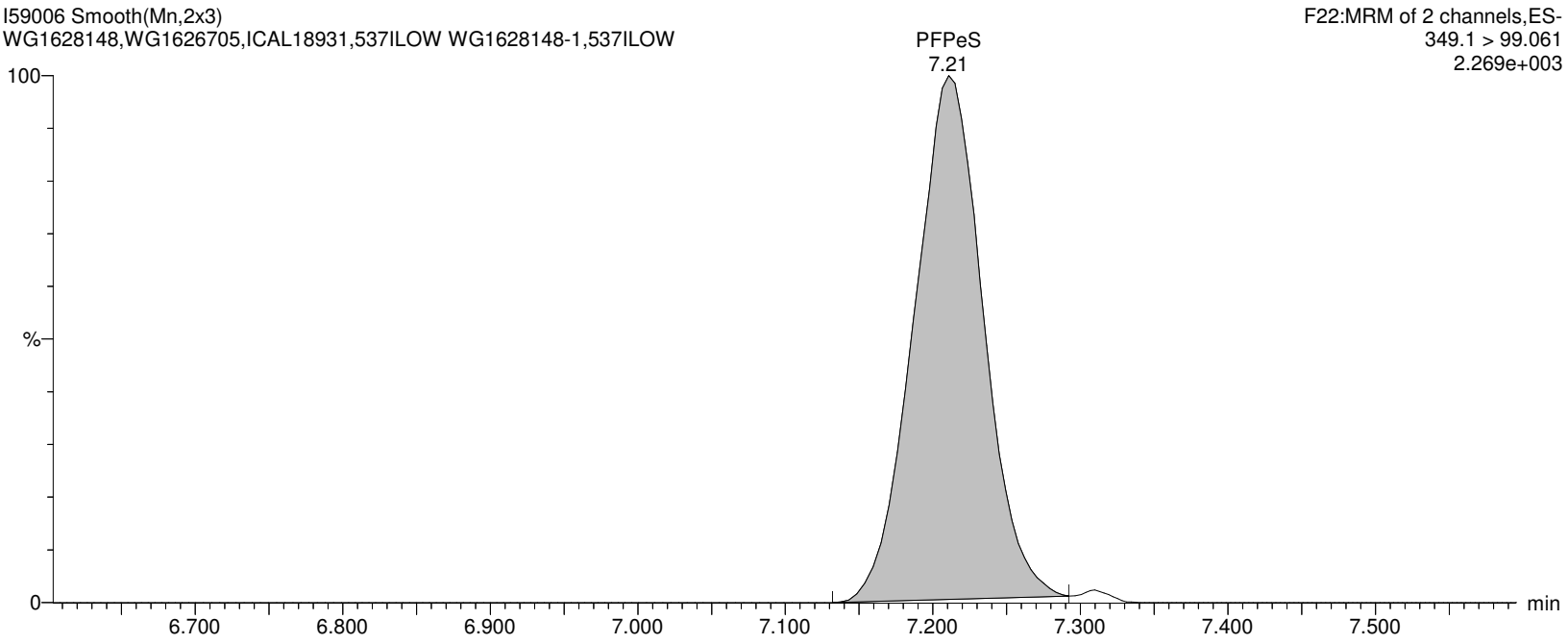
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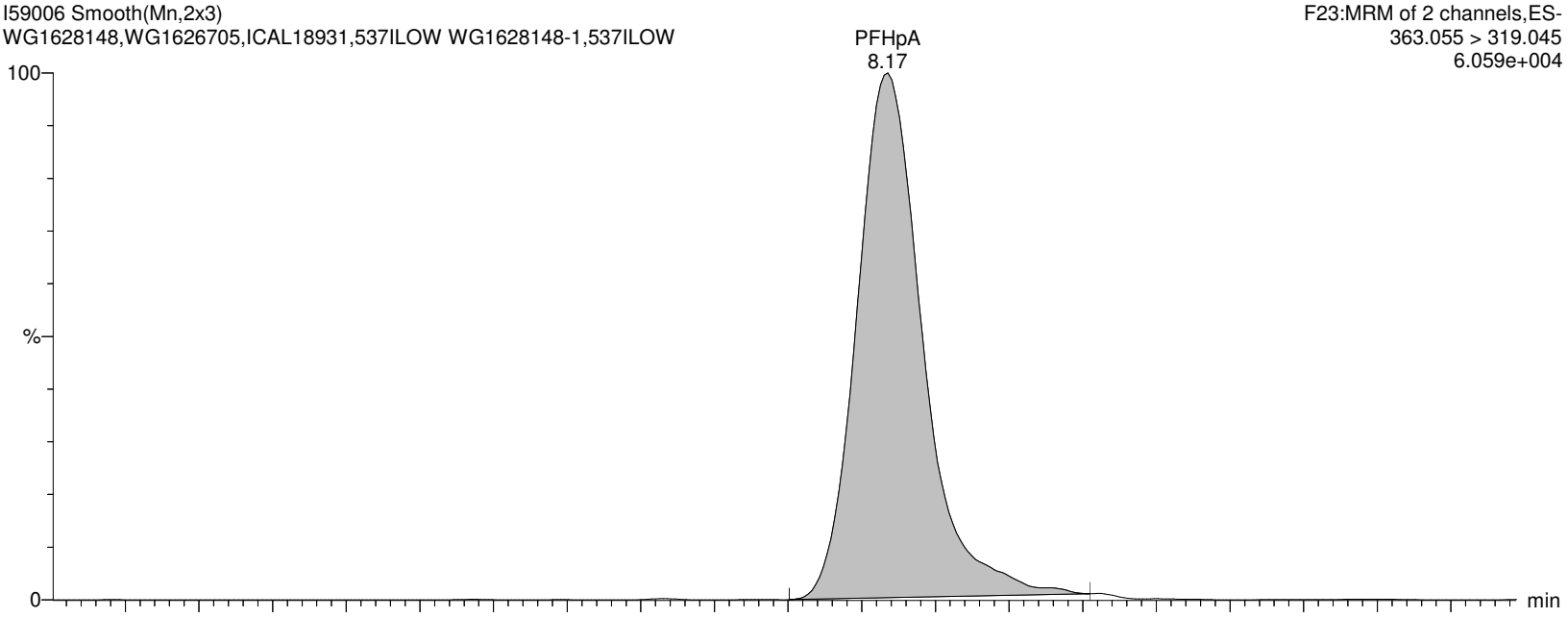


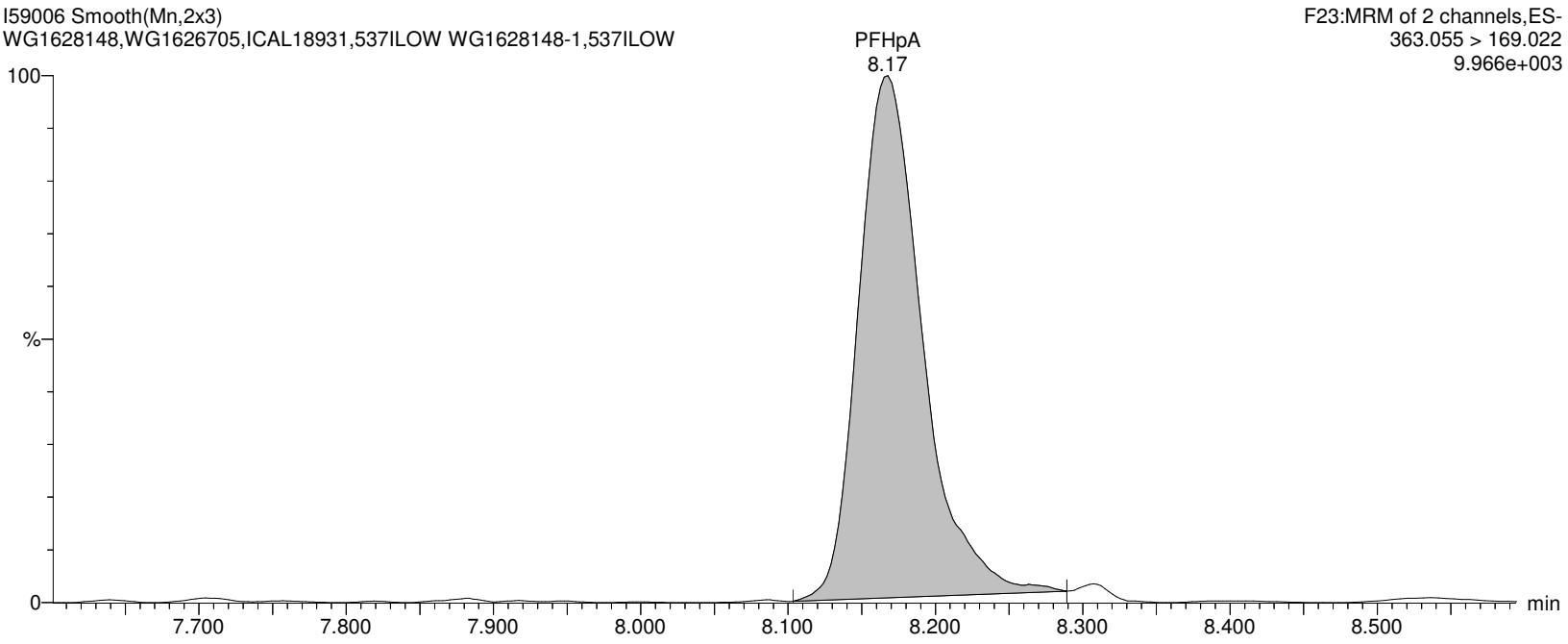
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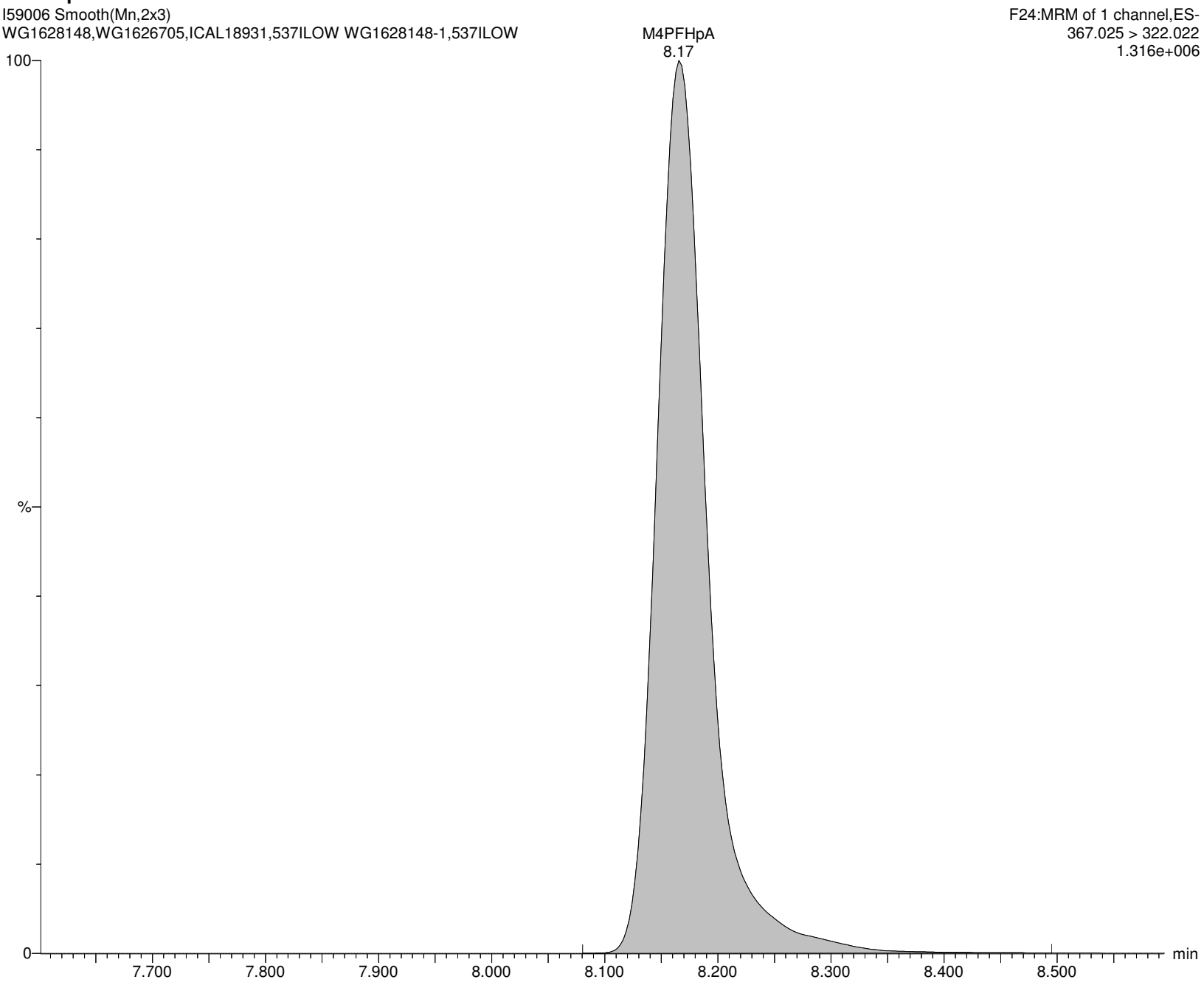


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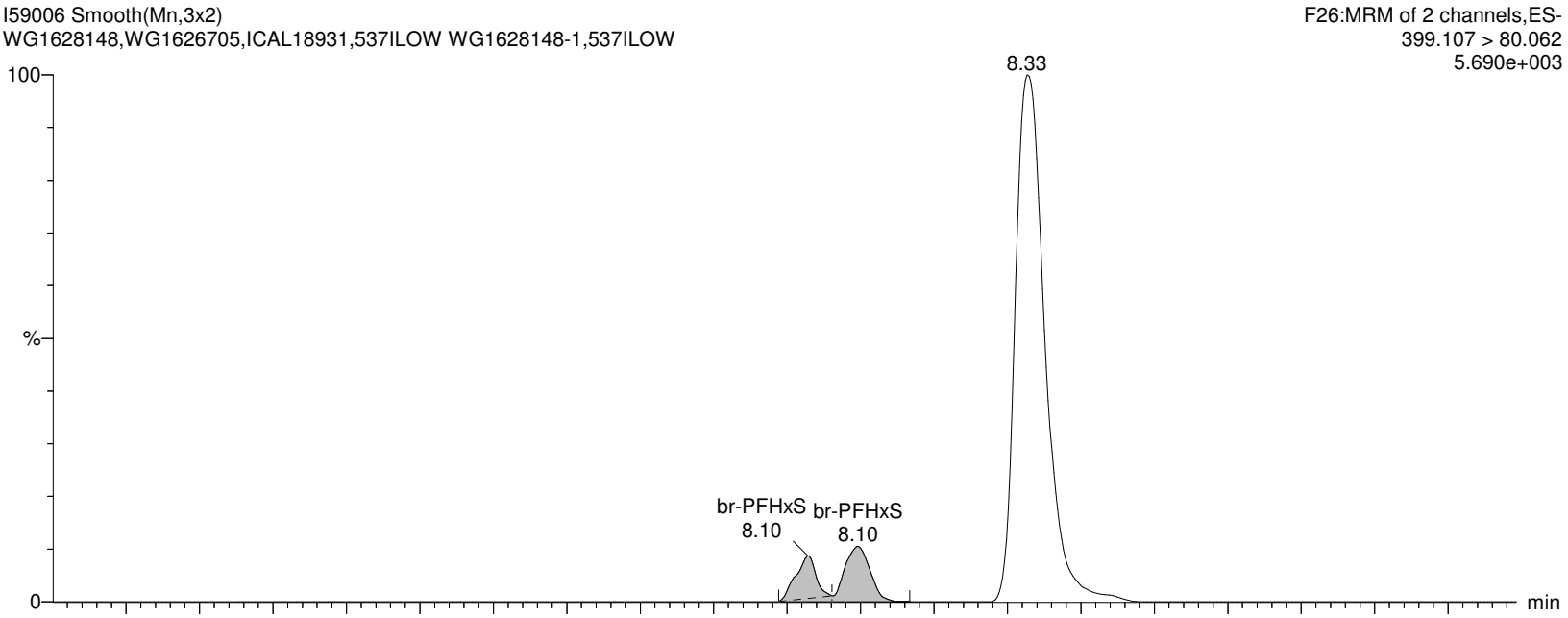


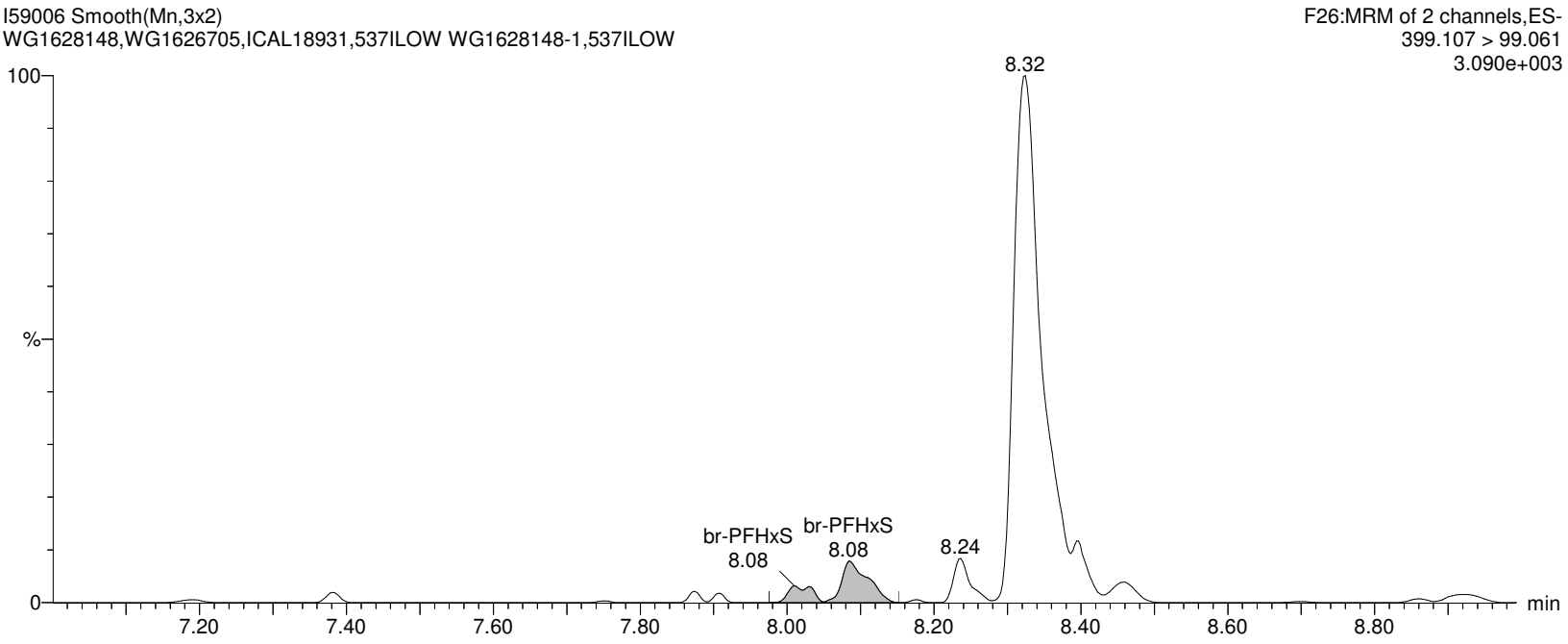
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br-PFHxS



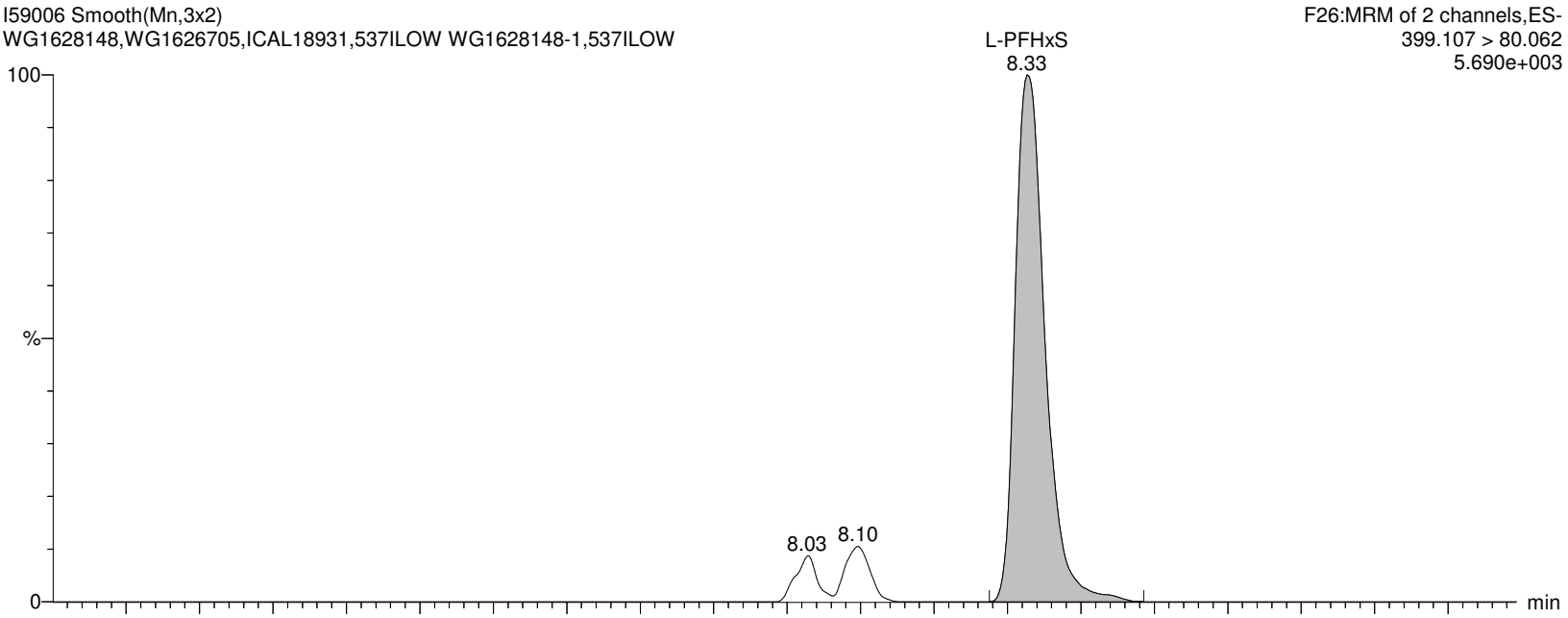


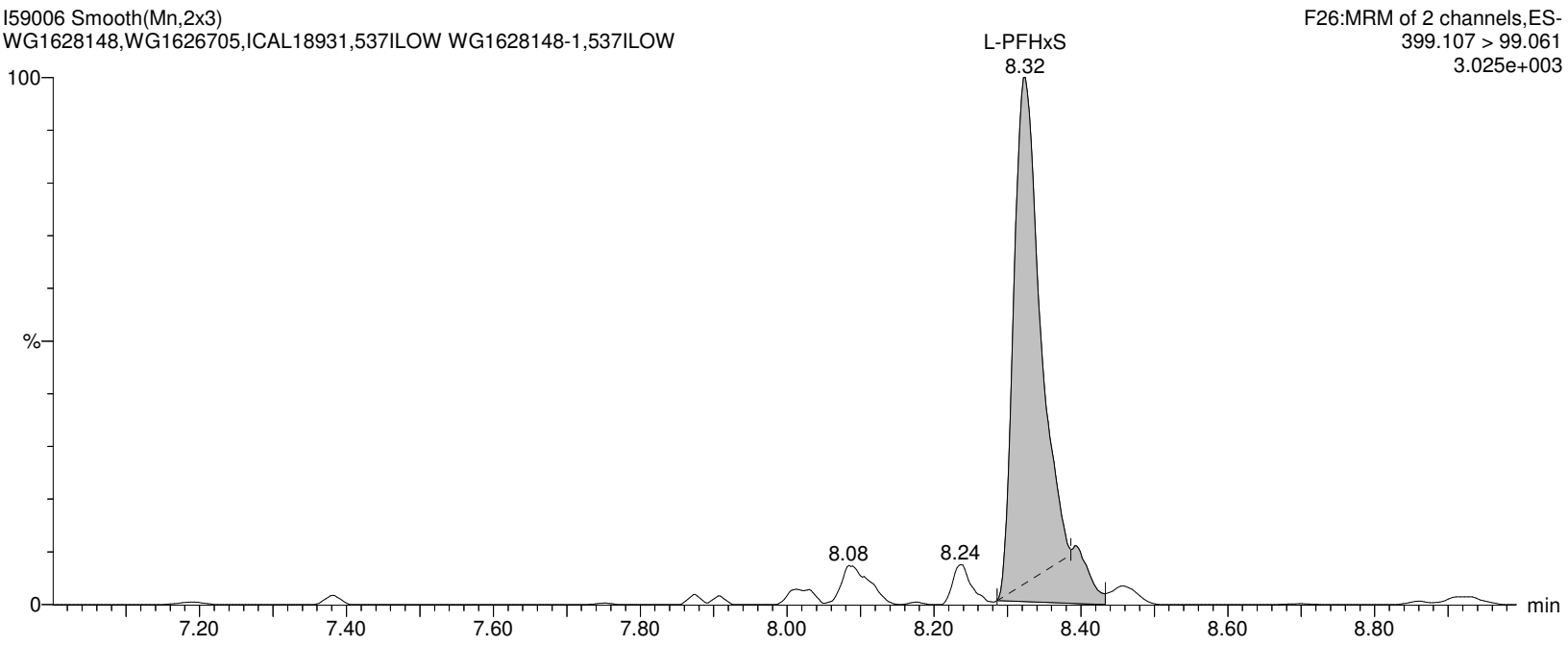
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:56:52 Eastern Daylight Time

Name: I59006
ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
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L-PFHxS



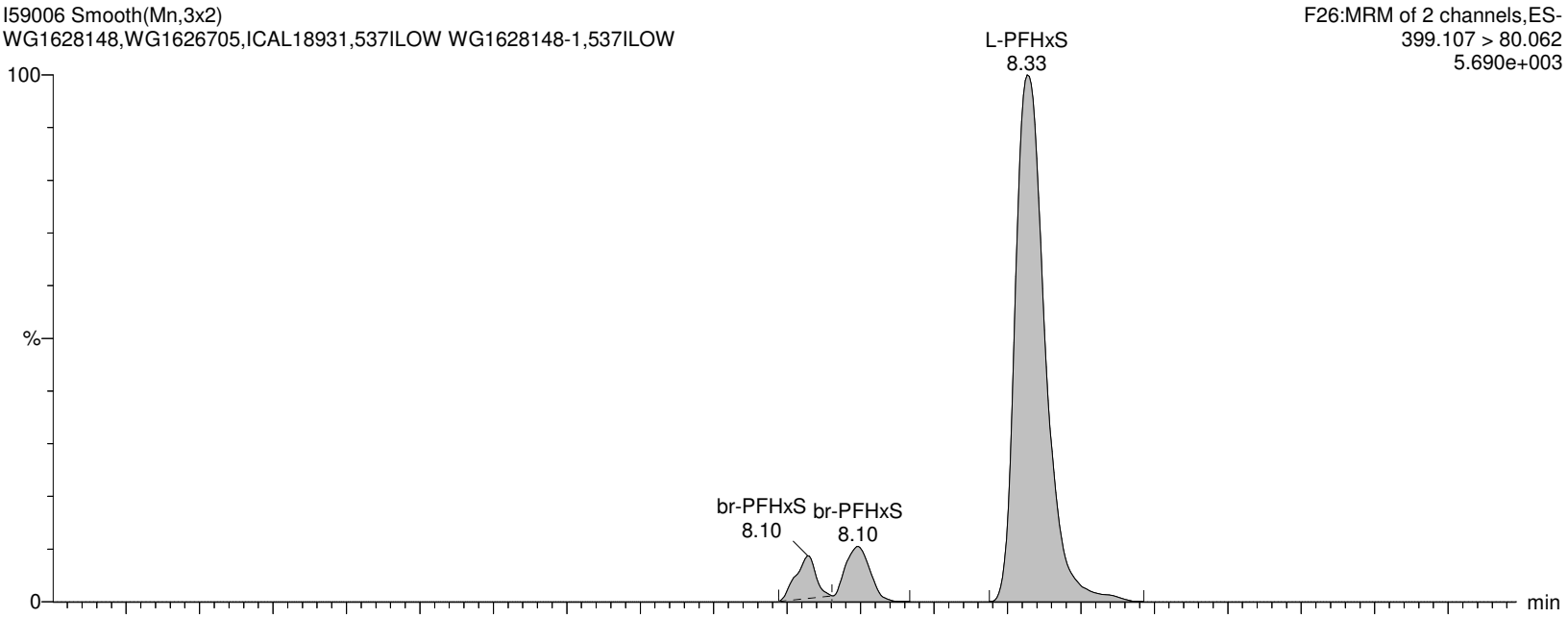


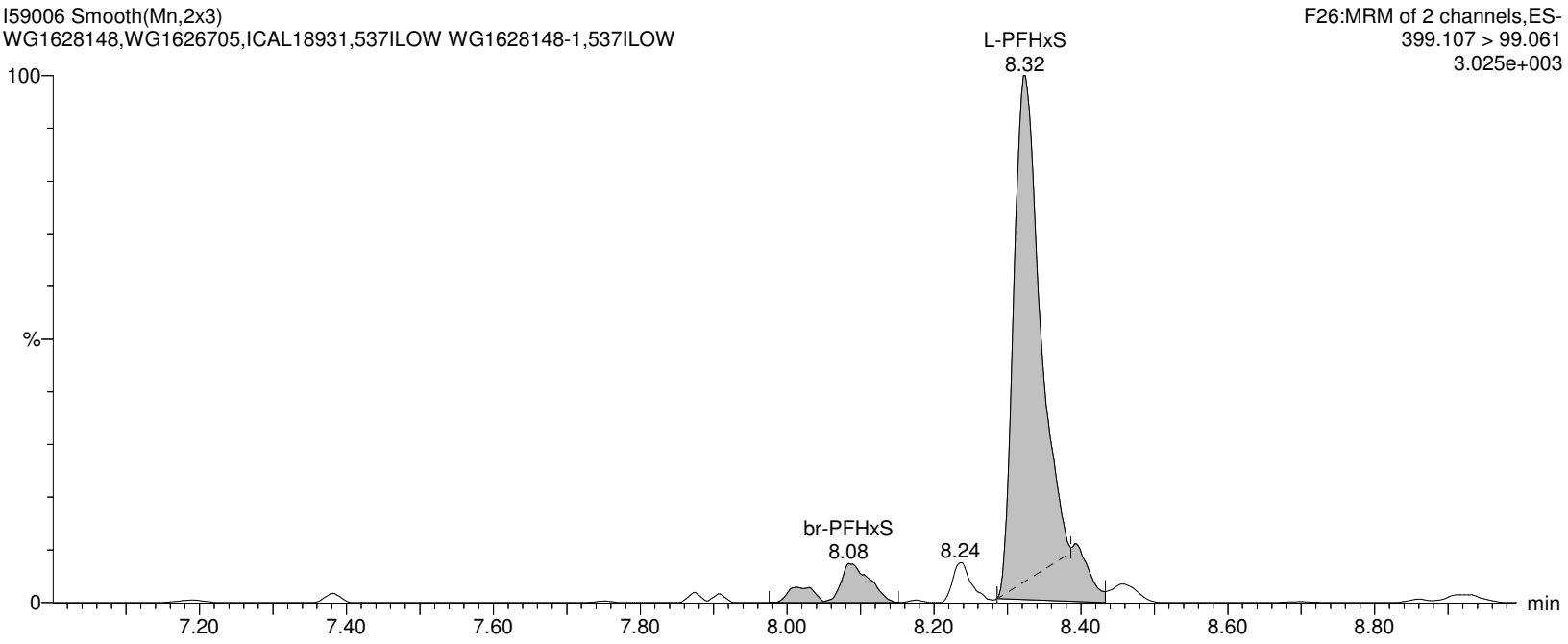
all concentration units in (ng/mL)

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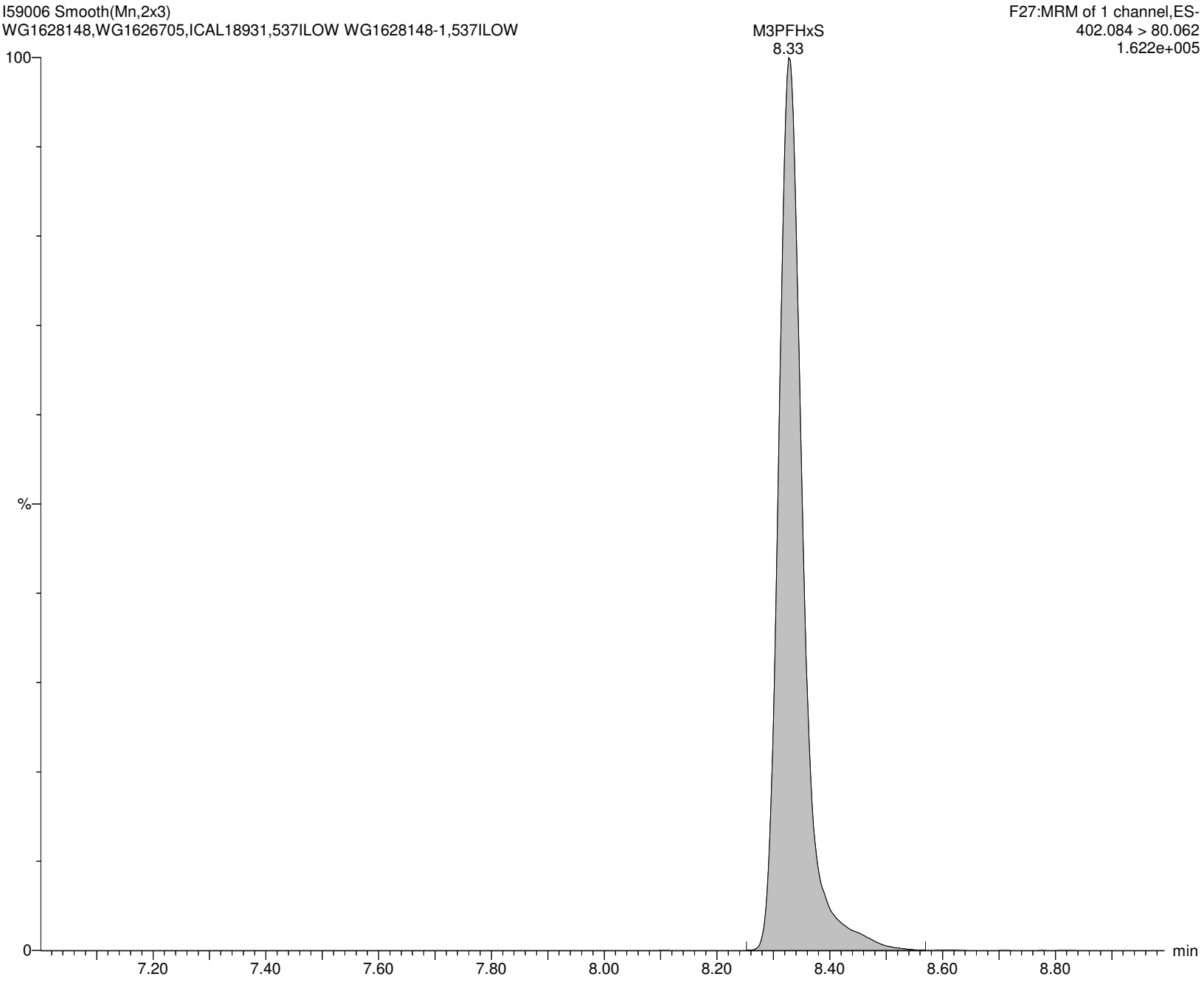


all concentration units in (ng/mL)

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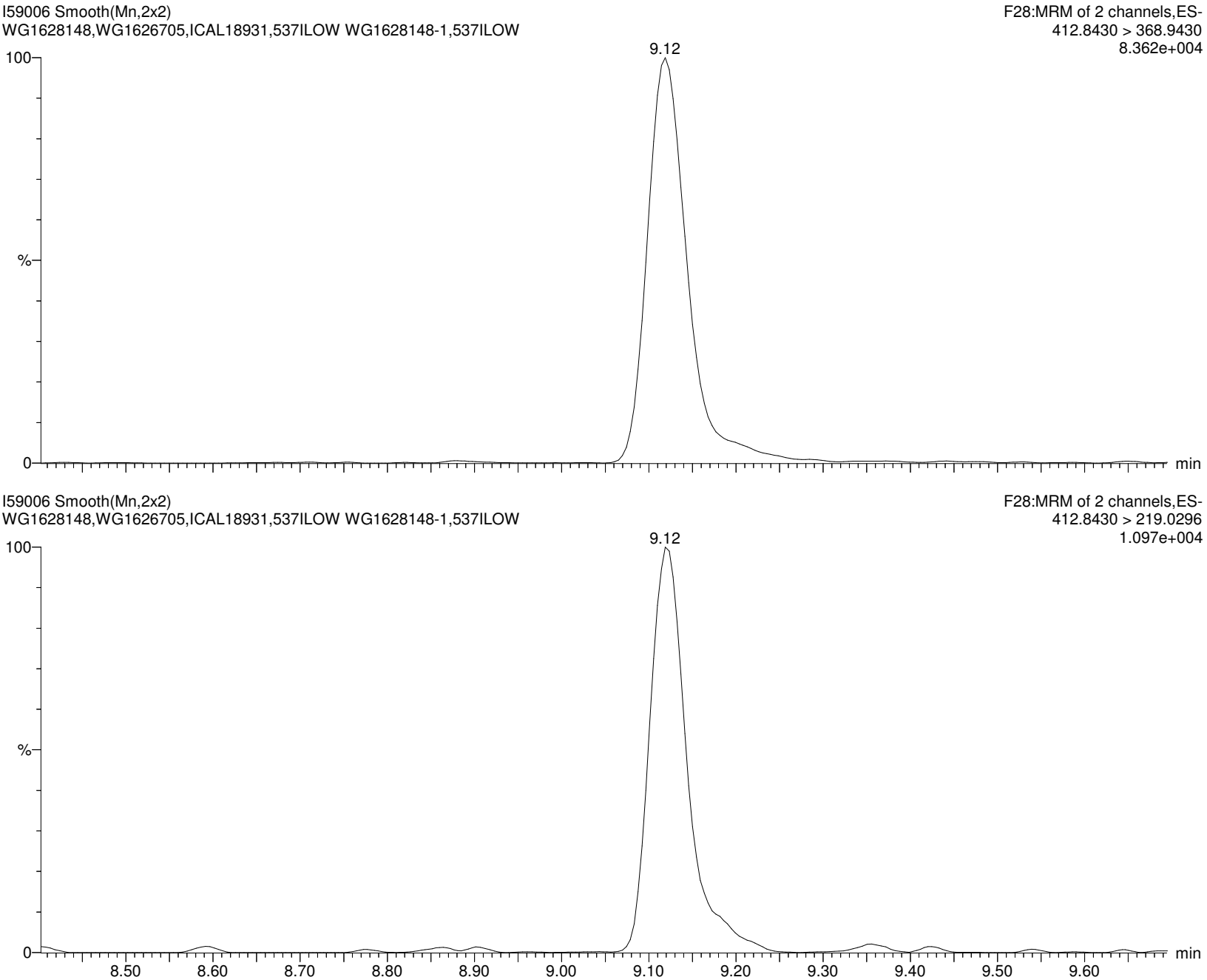


all concentration units in (ng/mL)

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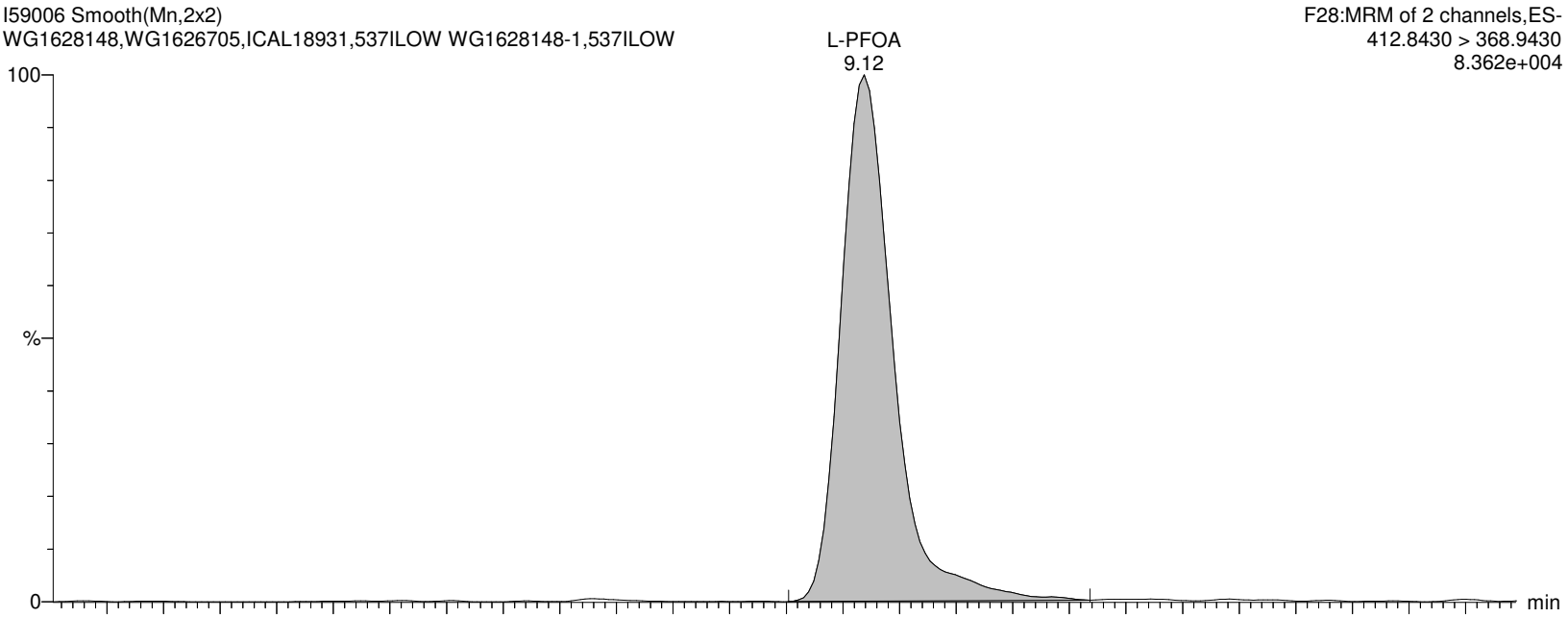


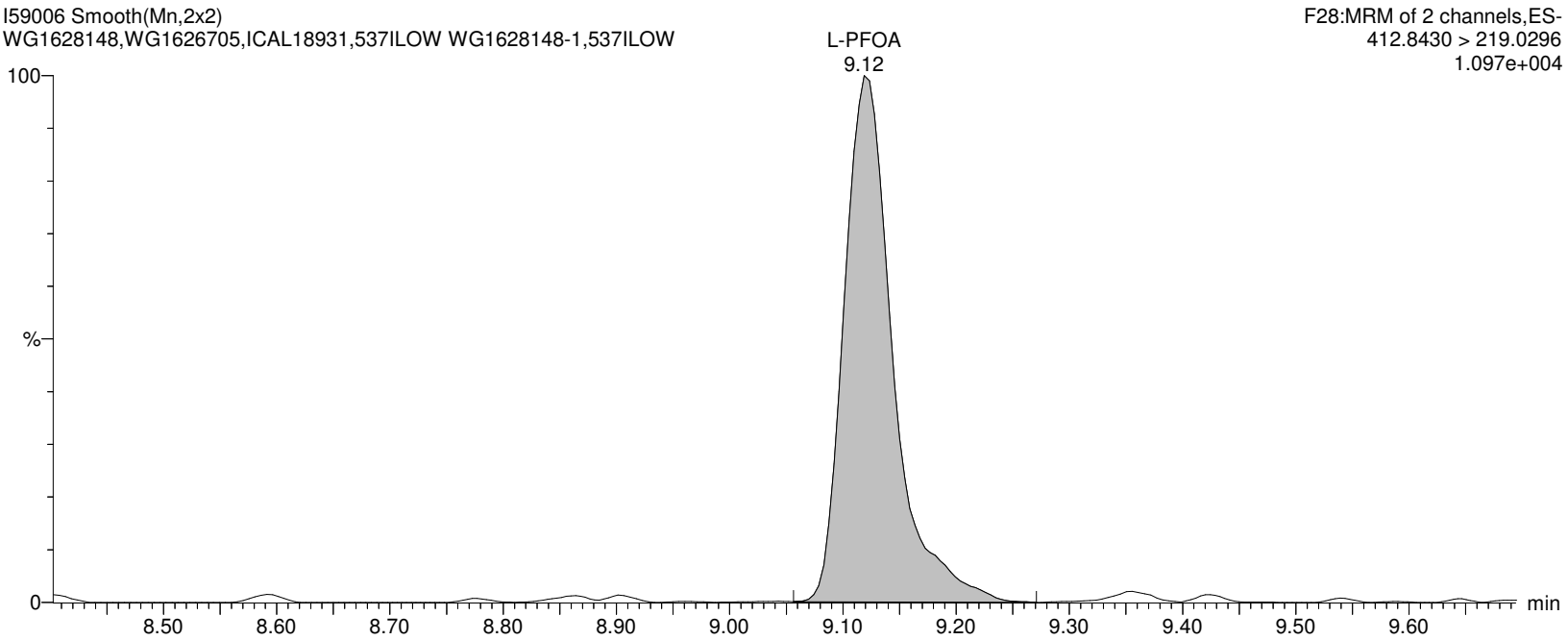
all concentration units in (ng/mL)

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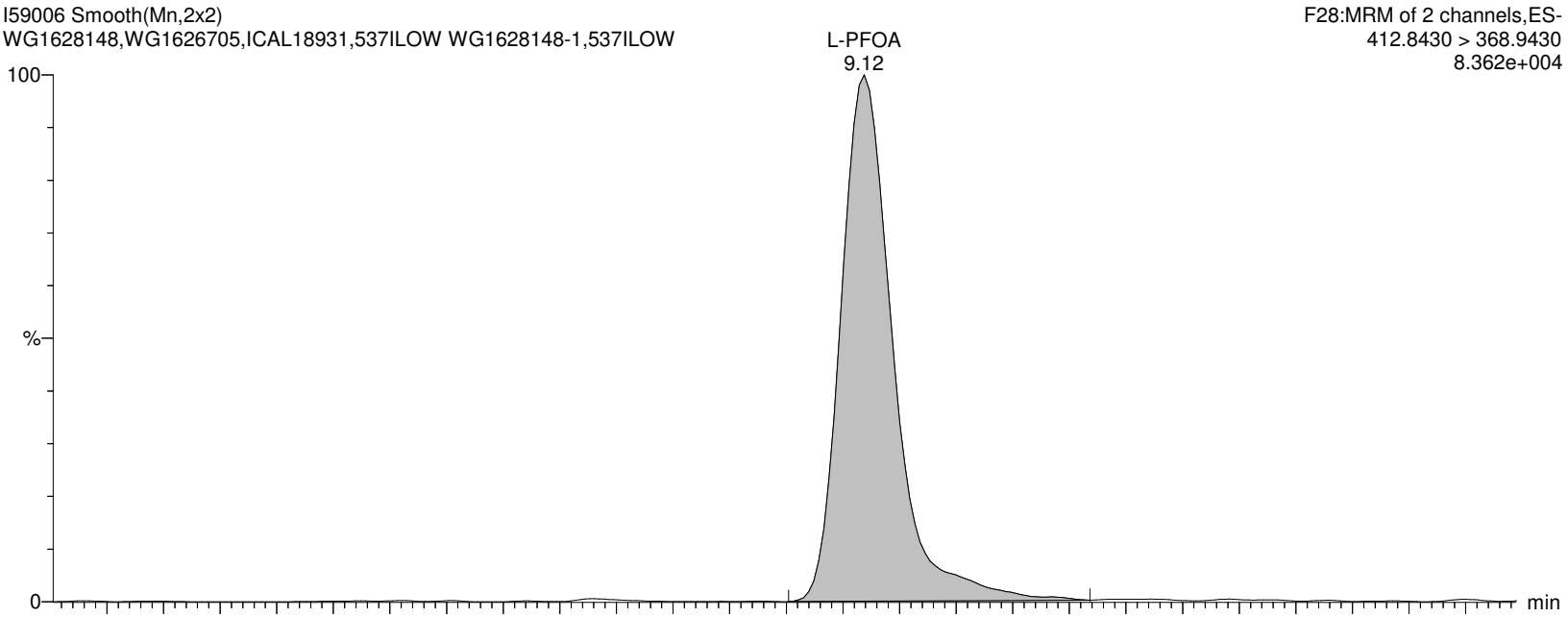


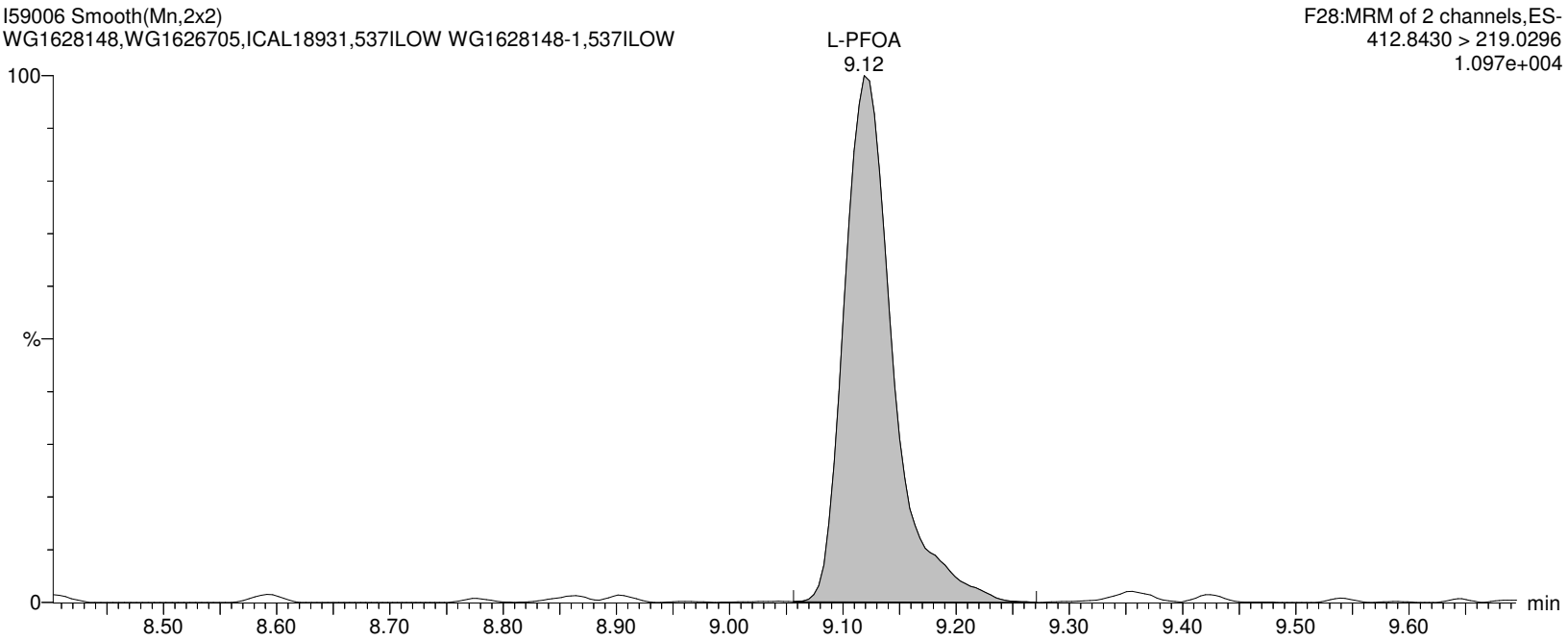
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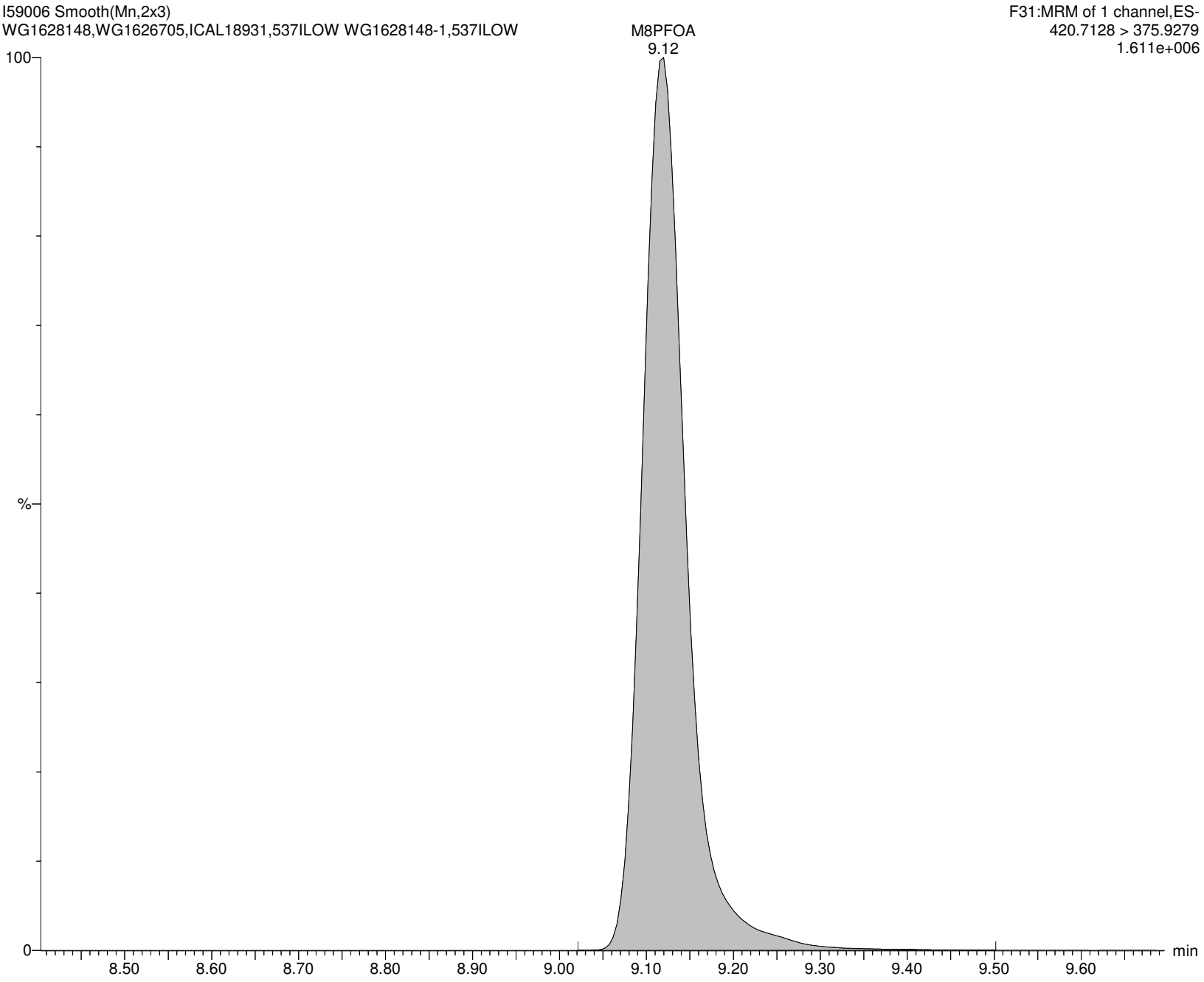


all concentration units in (ng/mL)

Alpha Analytical Inc.
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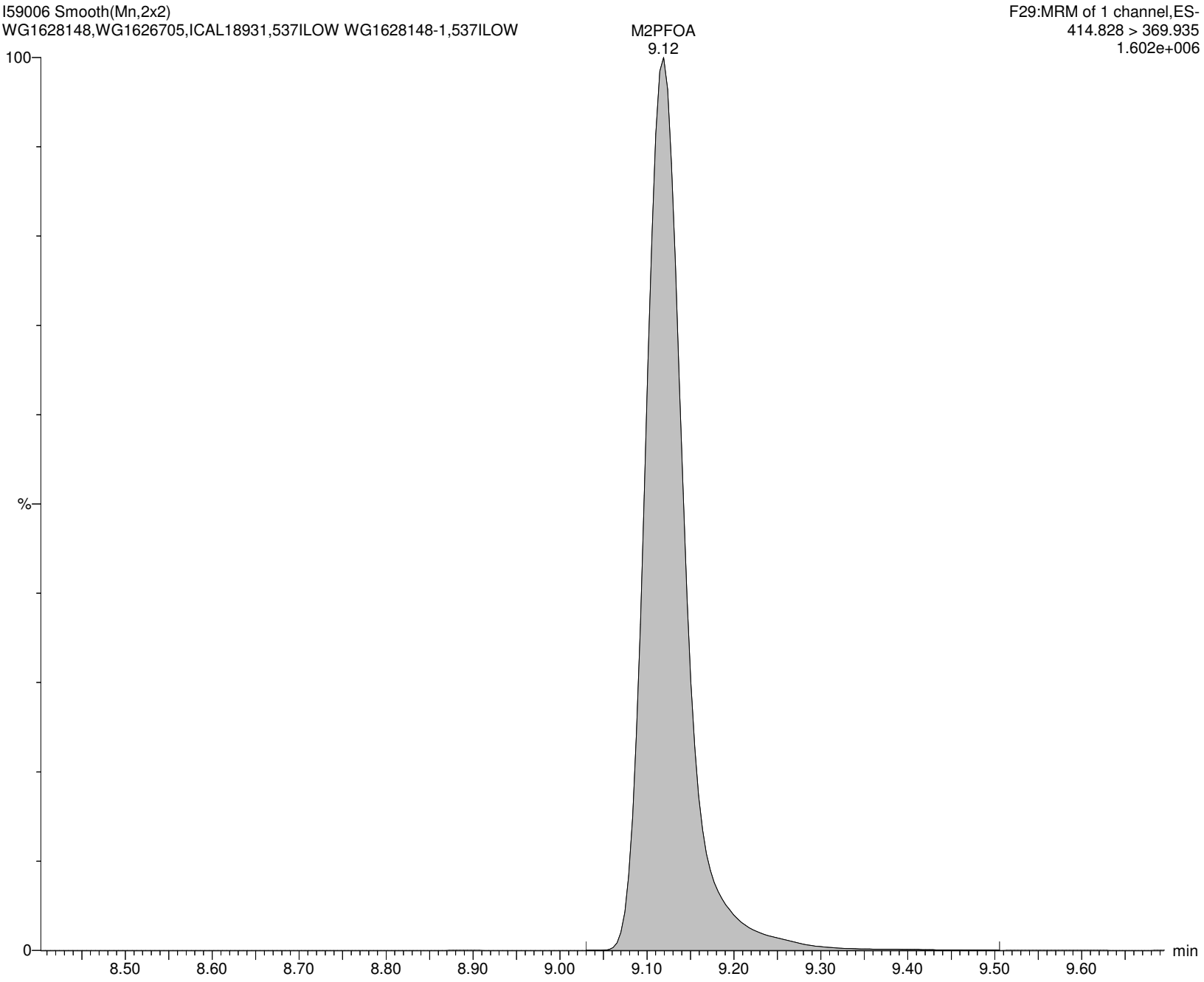


all concentration units in (ng/mL)

Alpha Analytical Inc.
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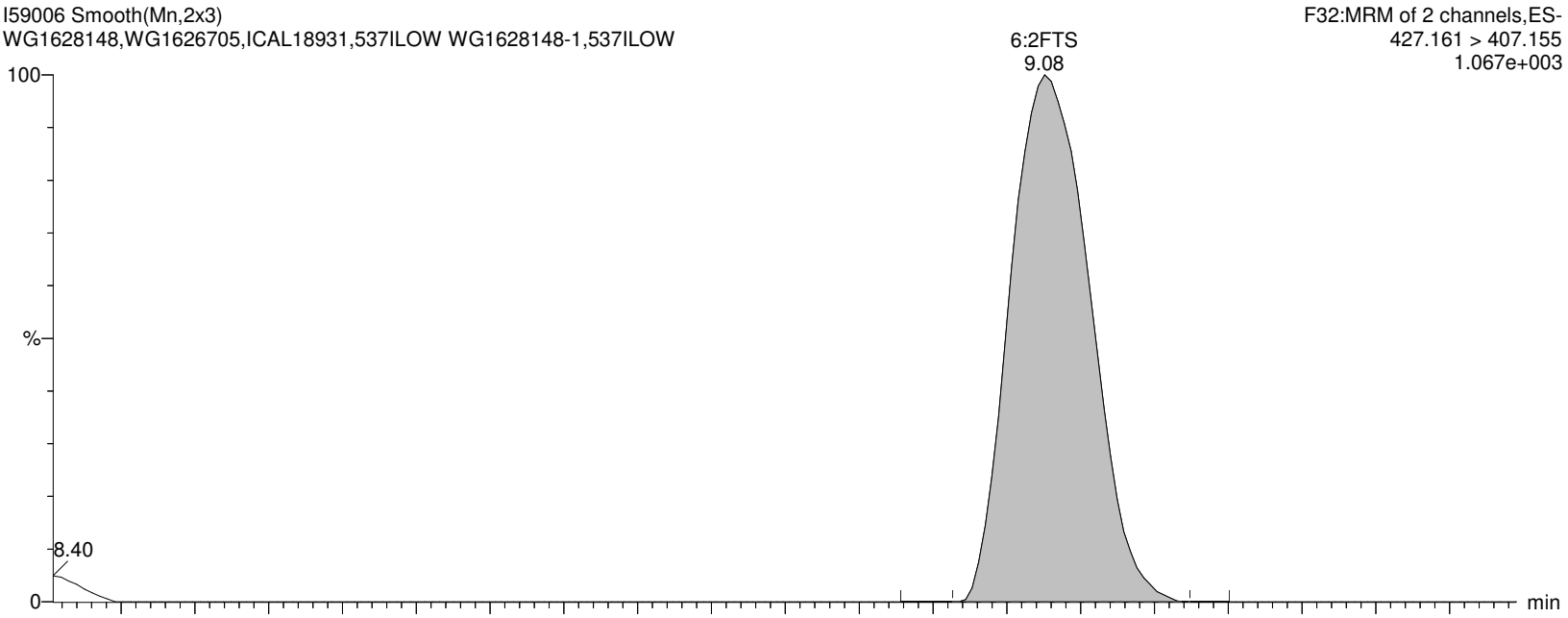


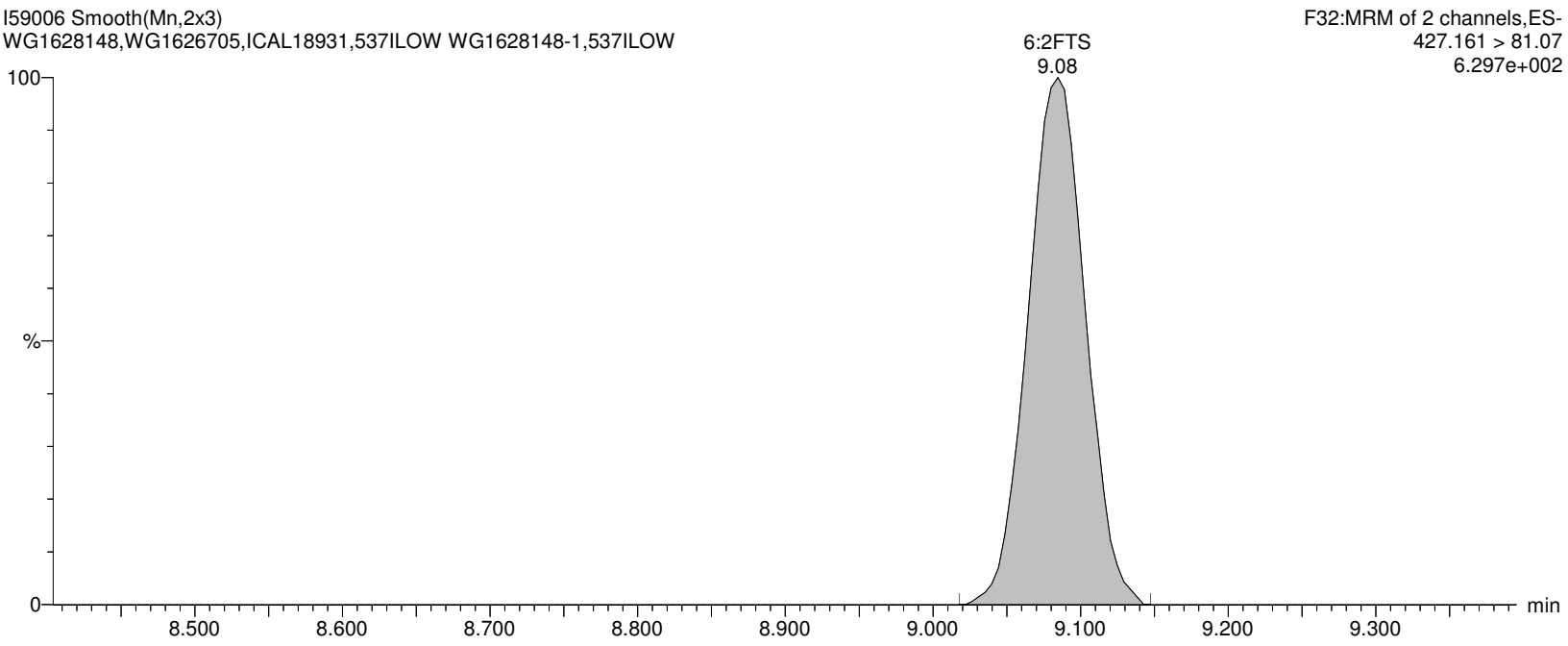
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 17-Apr-2022
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6:2FTS



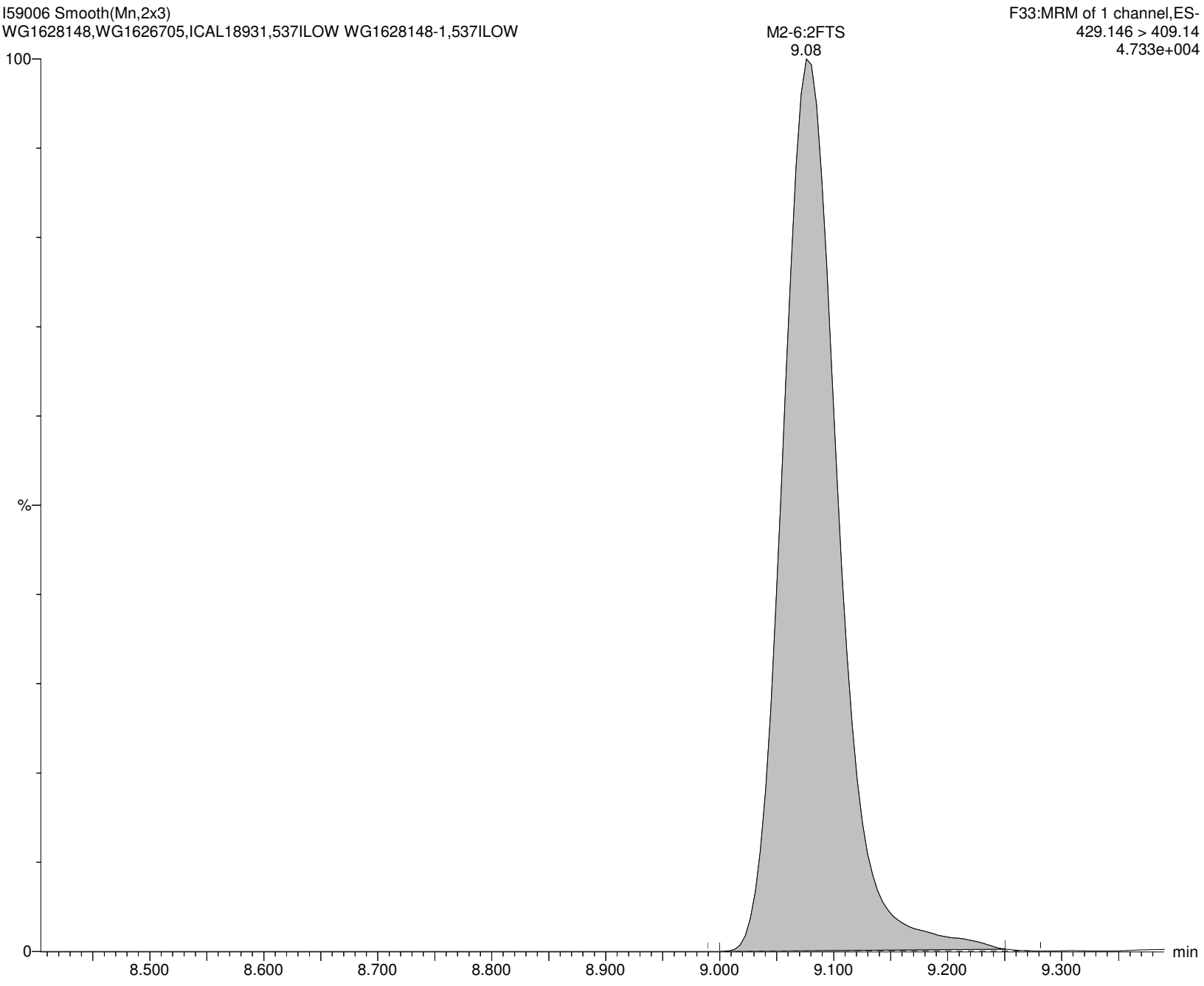


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
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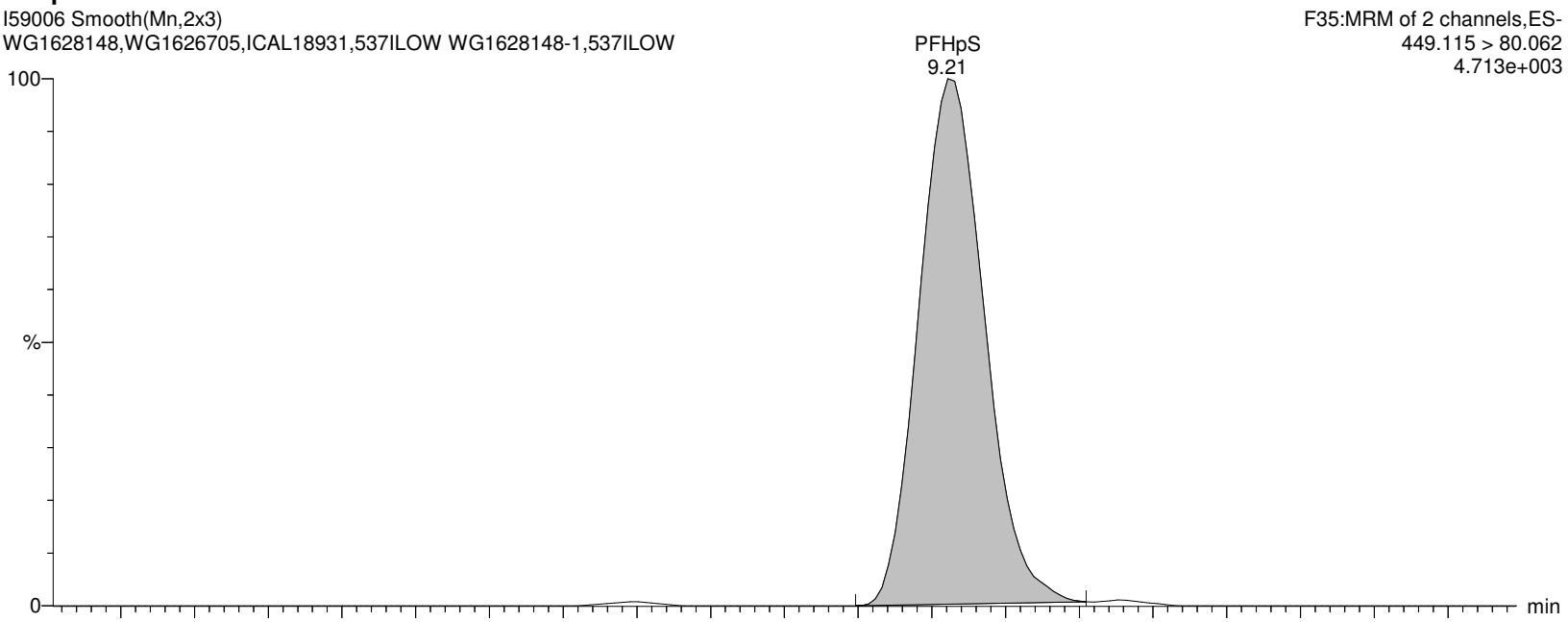


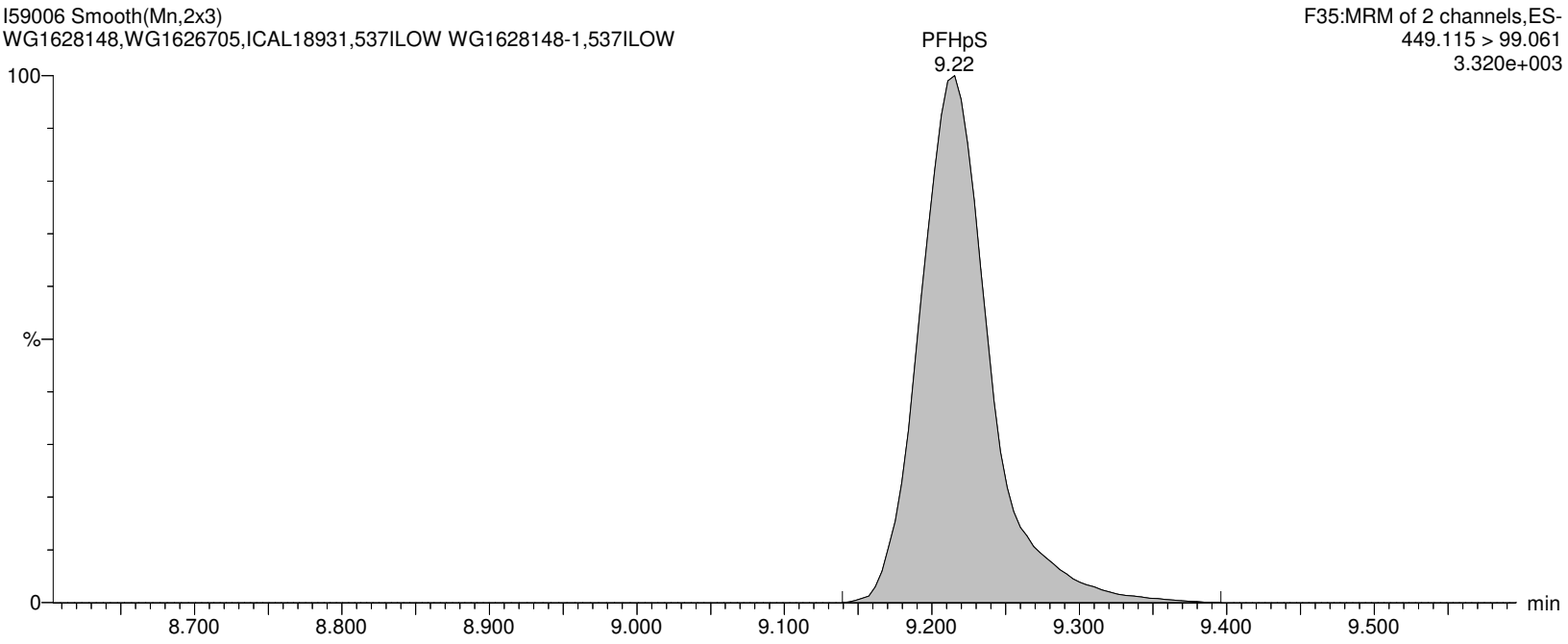
all concentration units in (ng/mL)

Alpha Analytical Inc.
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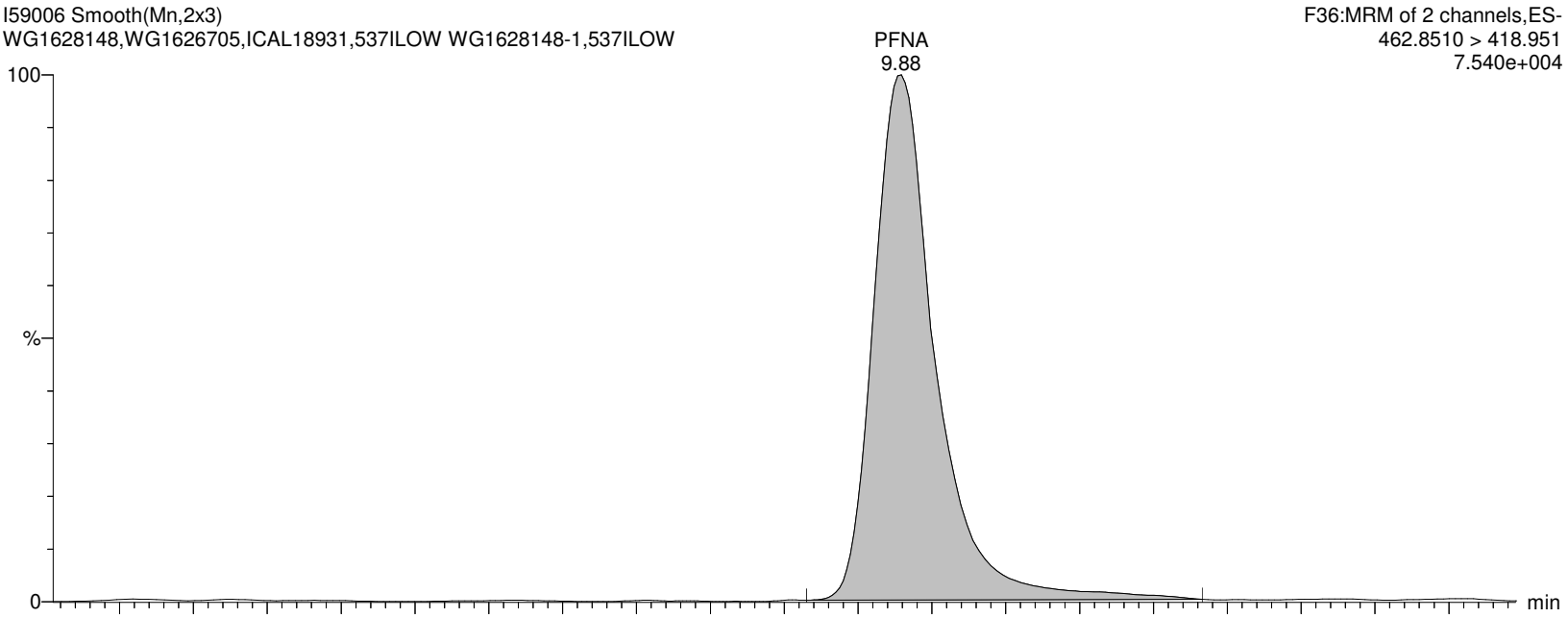


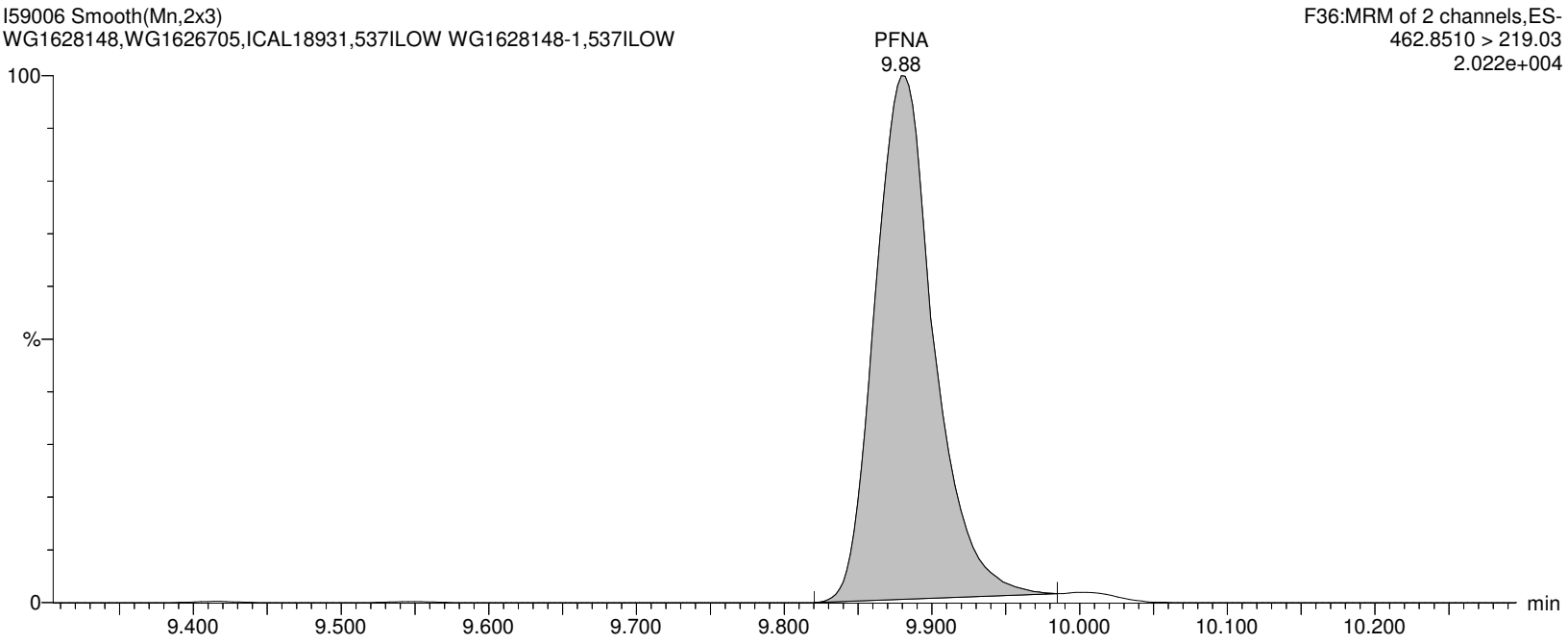
all concentration units in (ng/mL)

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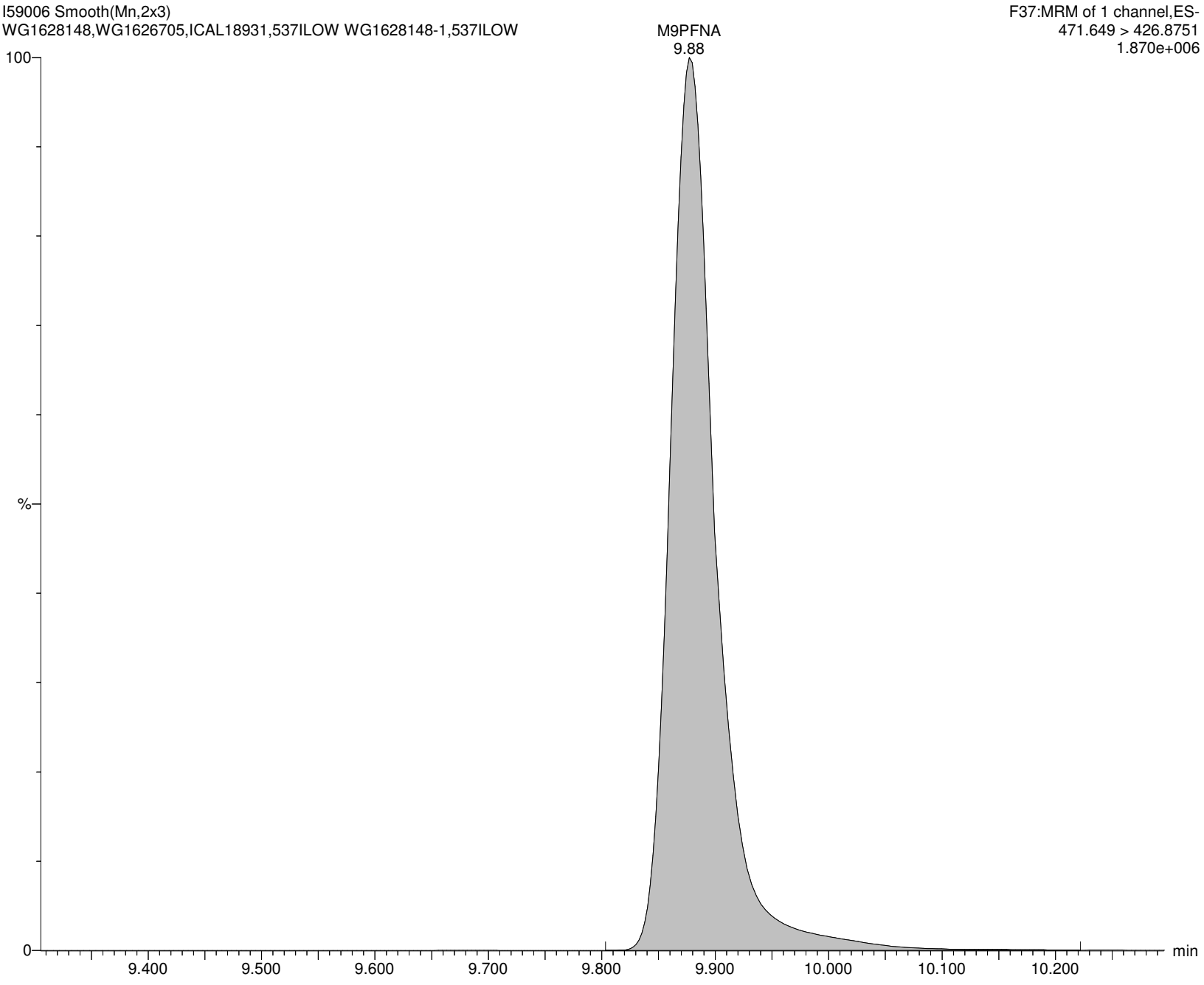


all concentration units in (ng/mL)

Alpha Analytical Inc.
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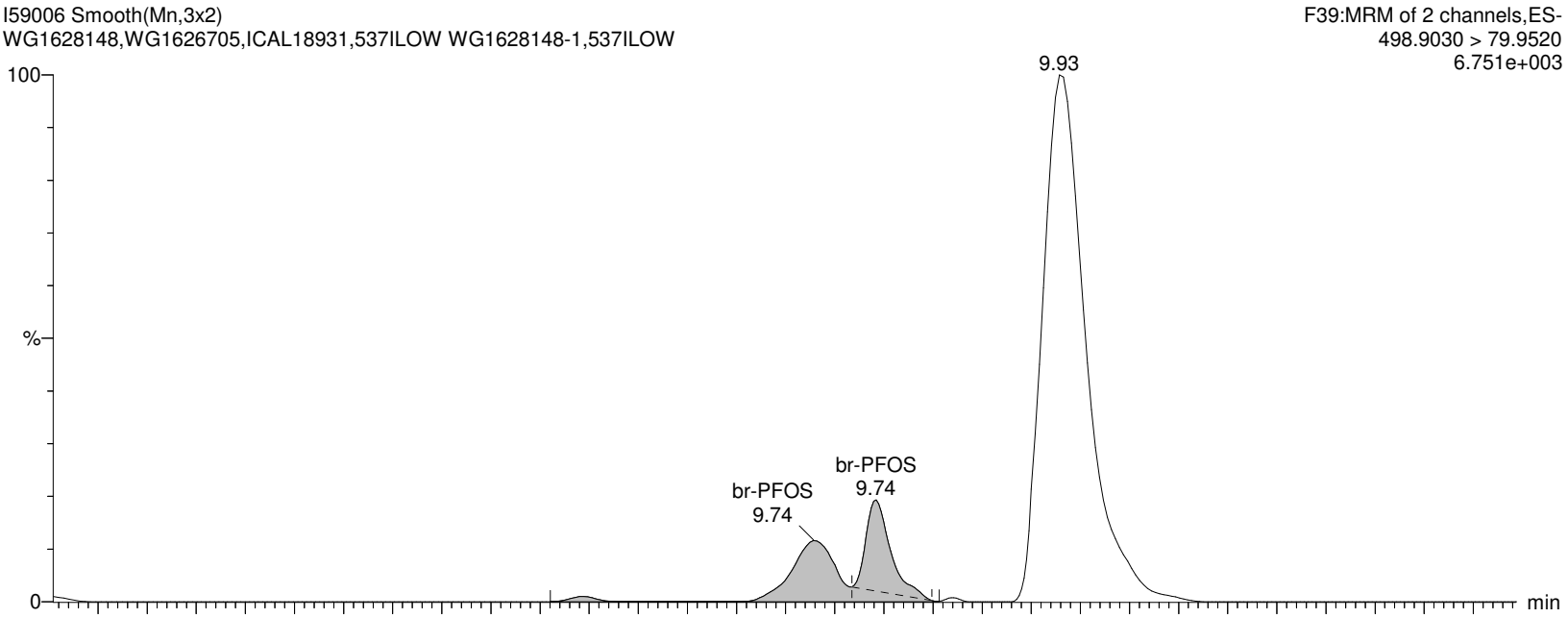


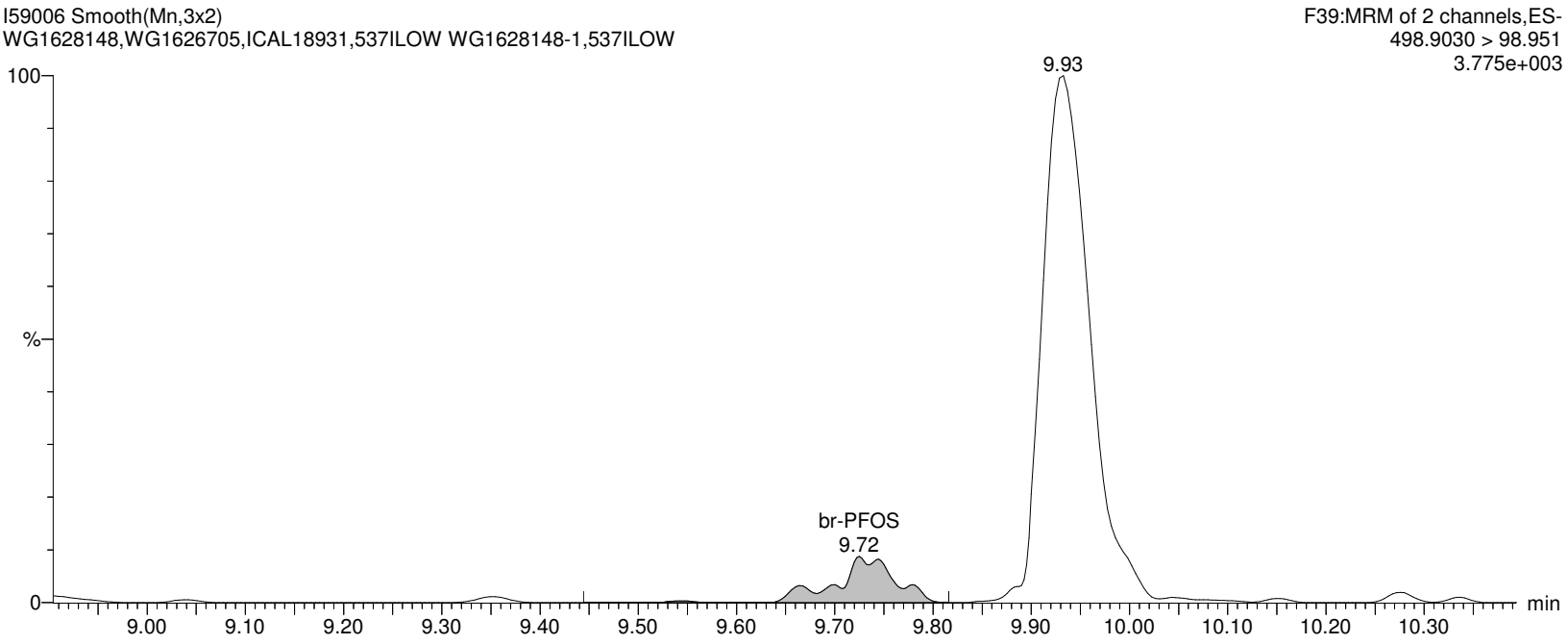
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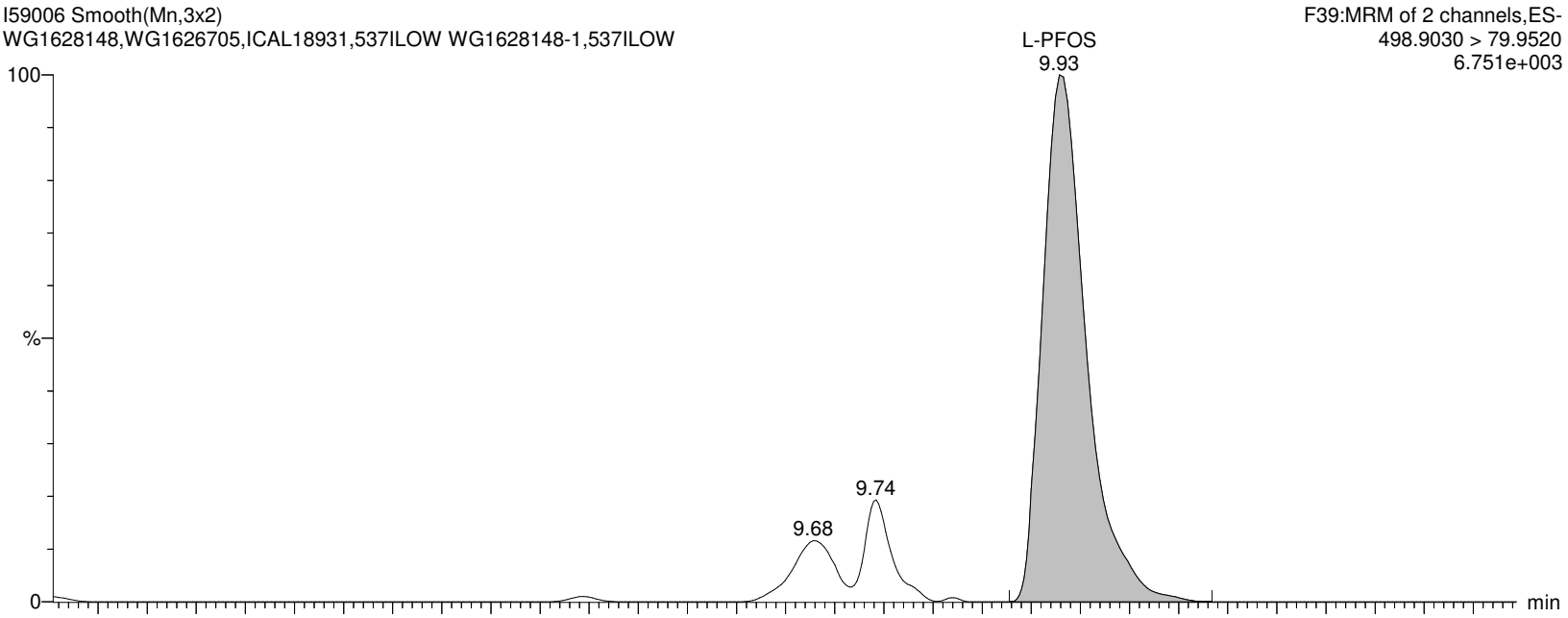


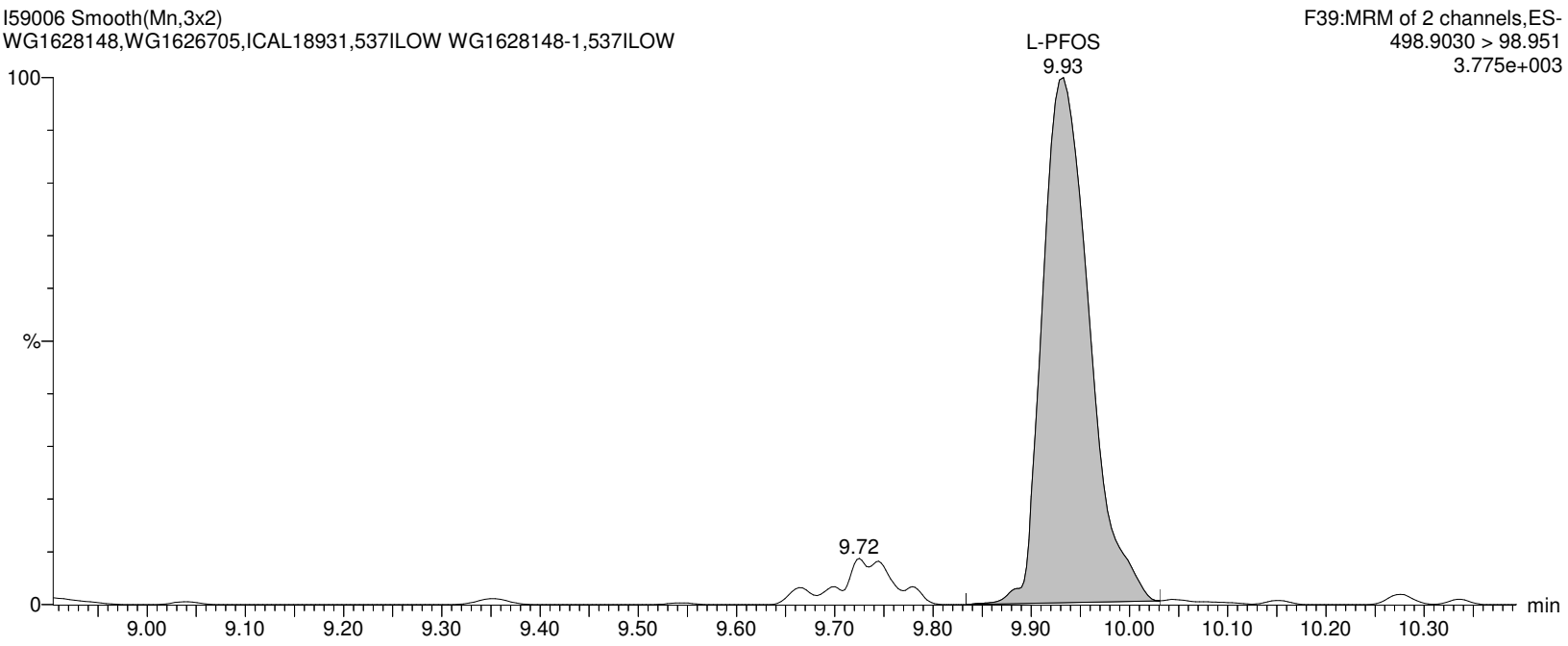
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L-PFOS



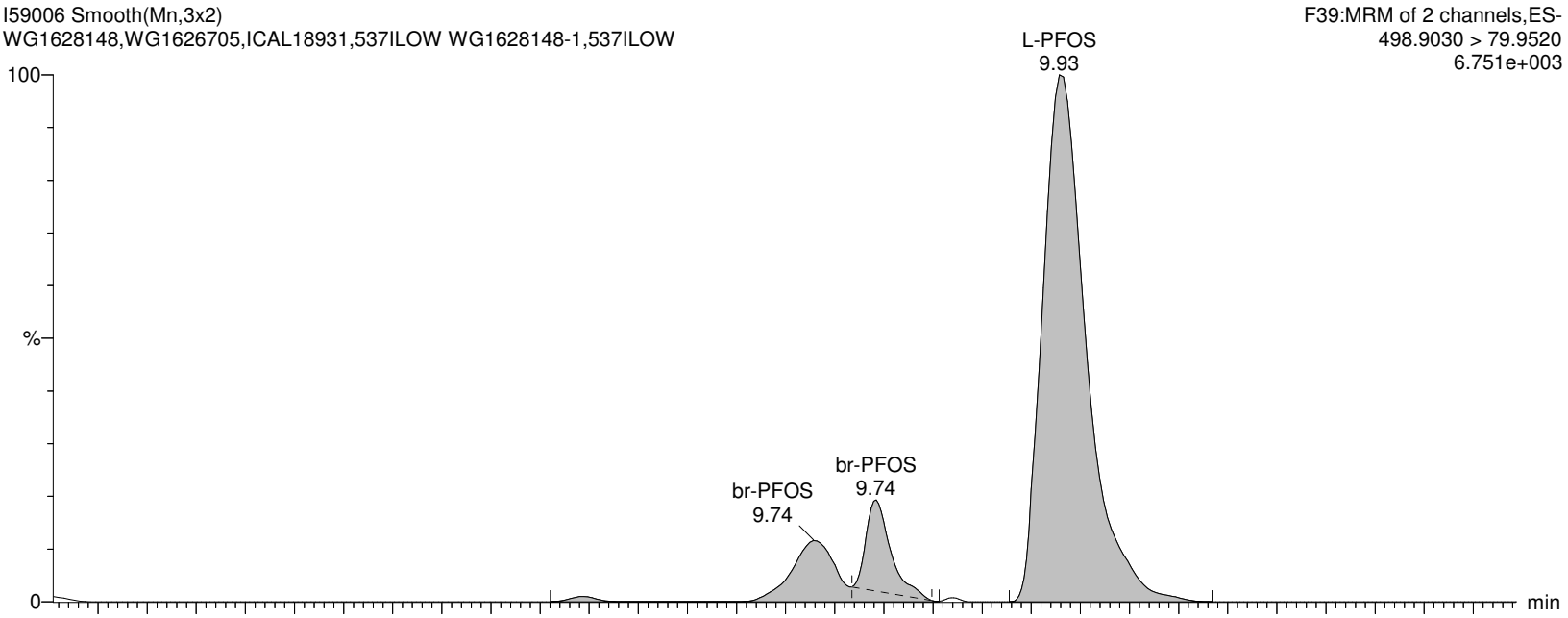


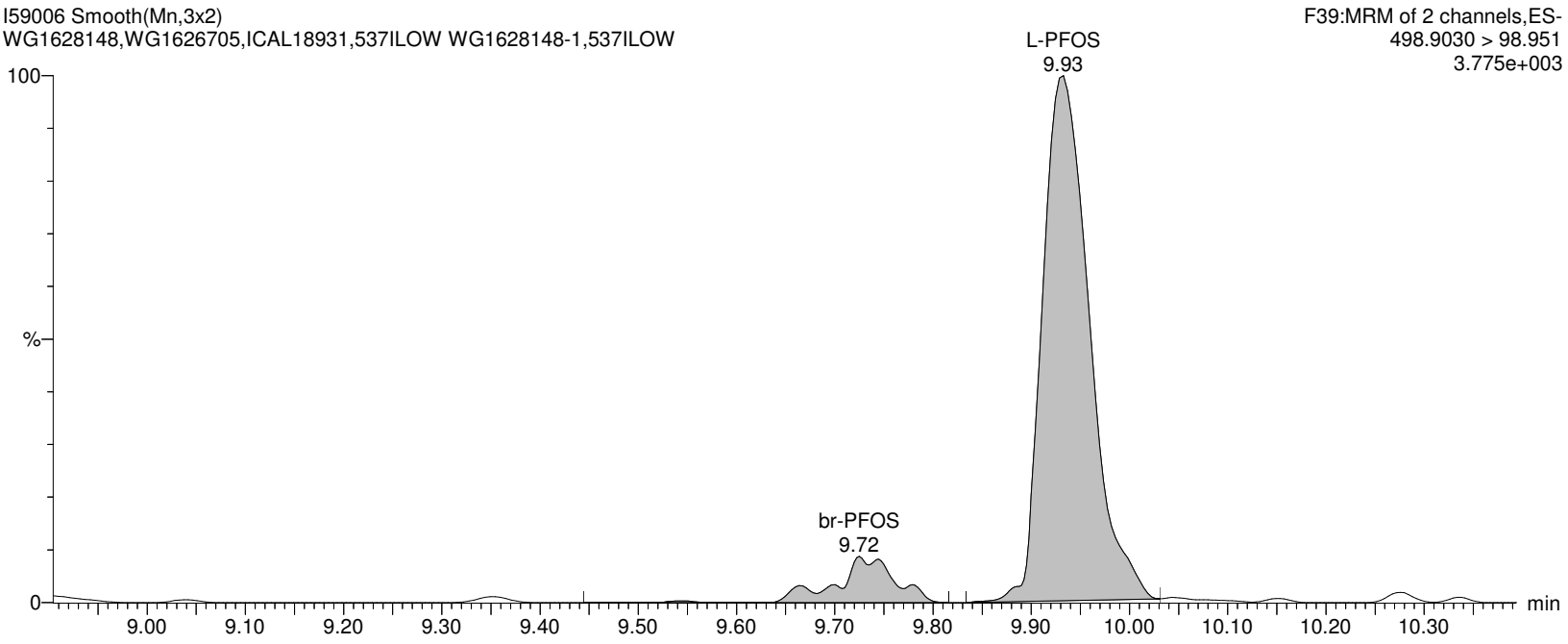
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:56:52 Eastern Daylight Time

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Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
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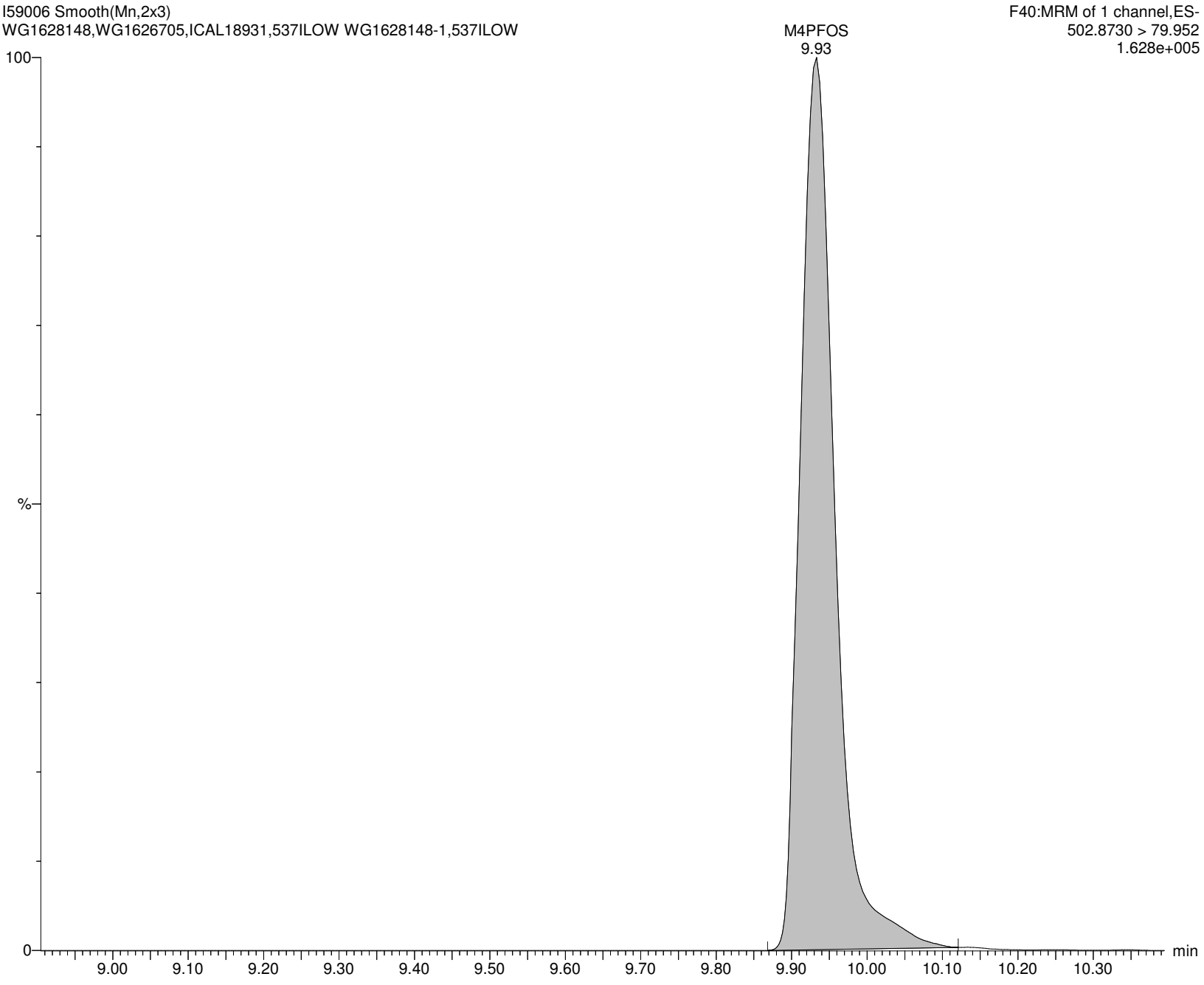


all concentration units in (ng/mL)

Alpha Analytical Inc.
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User: LCMS02:SG
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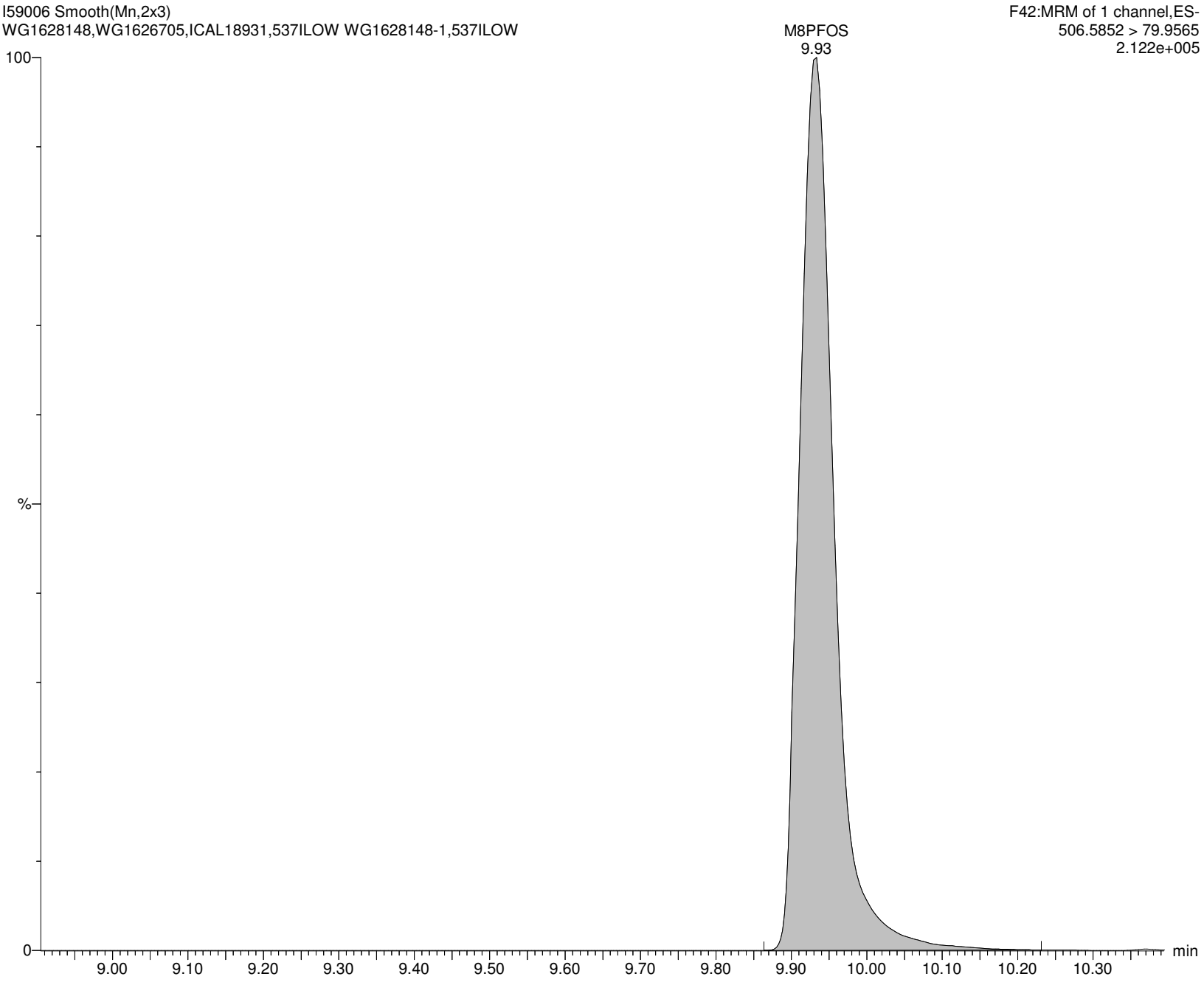


all concentration units in (ng/mL)

Alpha Analytical Inc.
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ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
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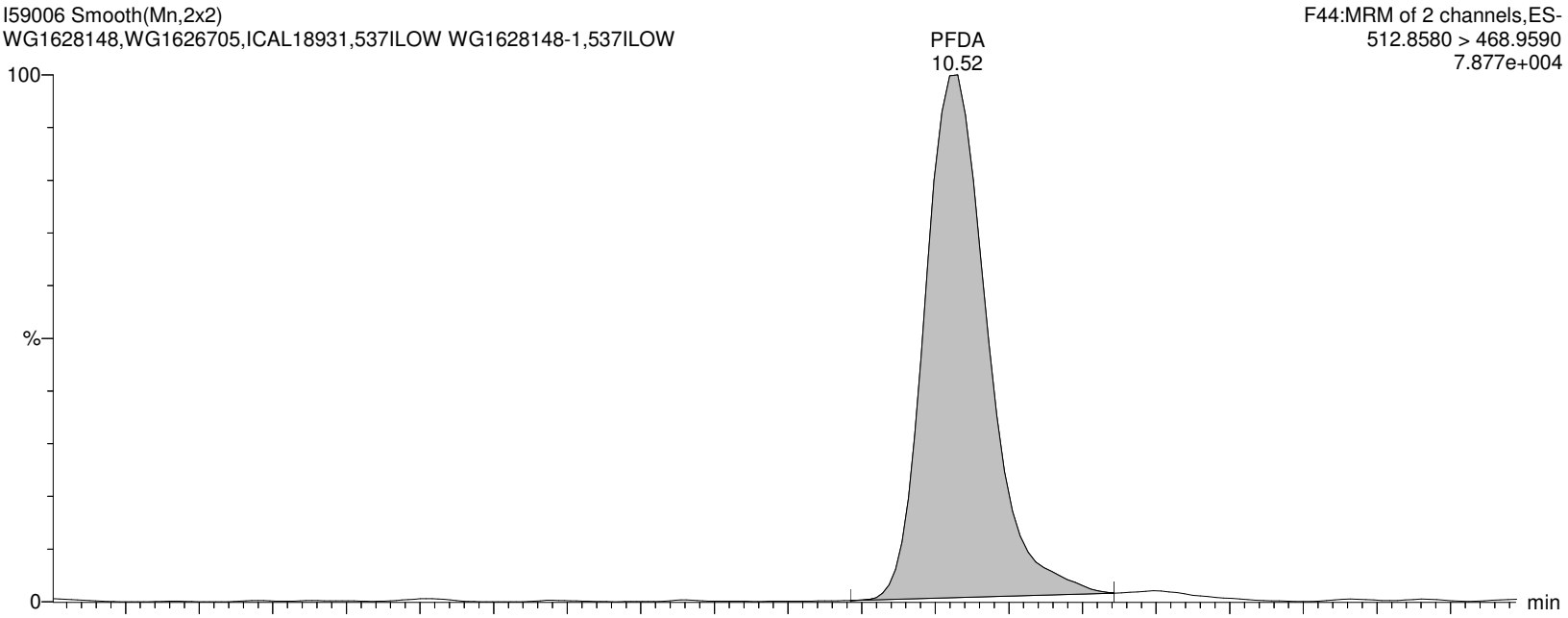


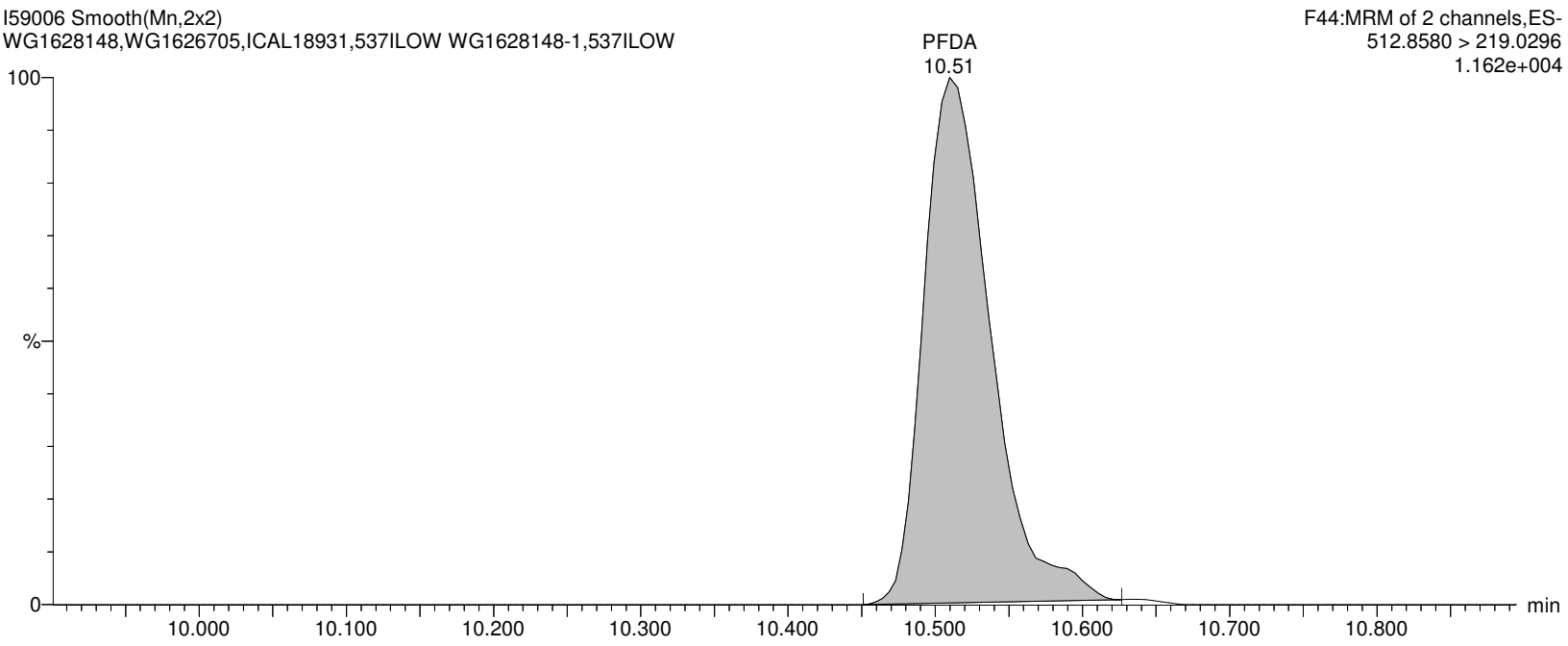
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
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PFDA



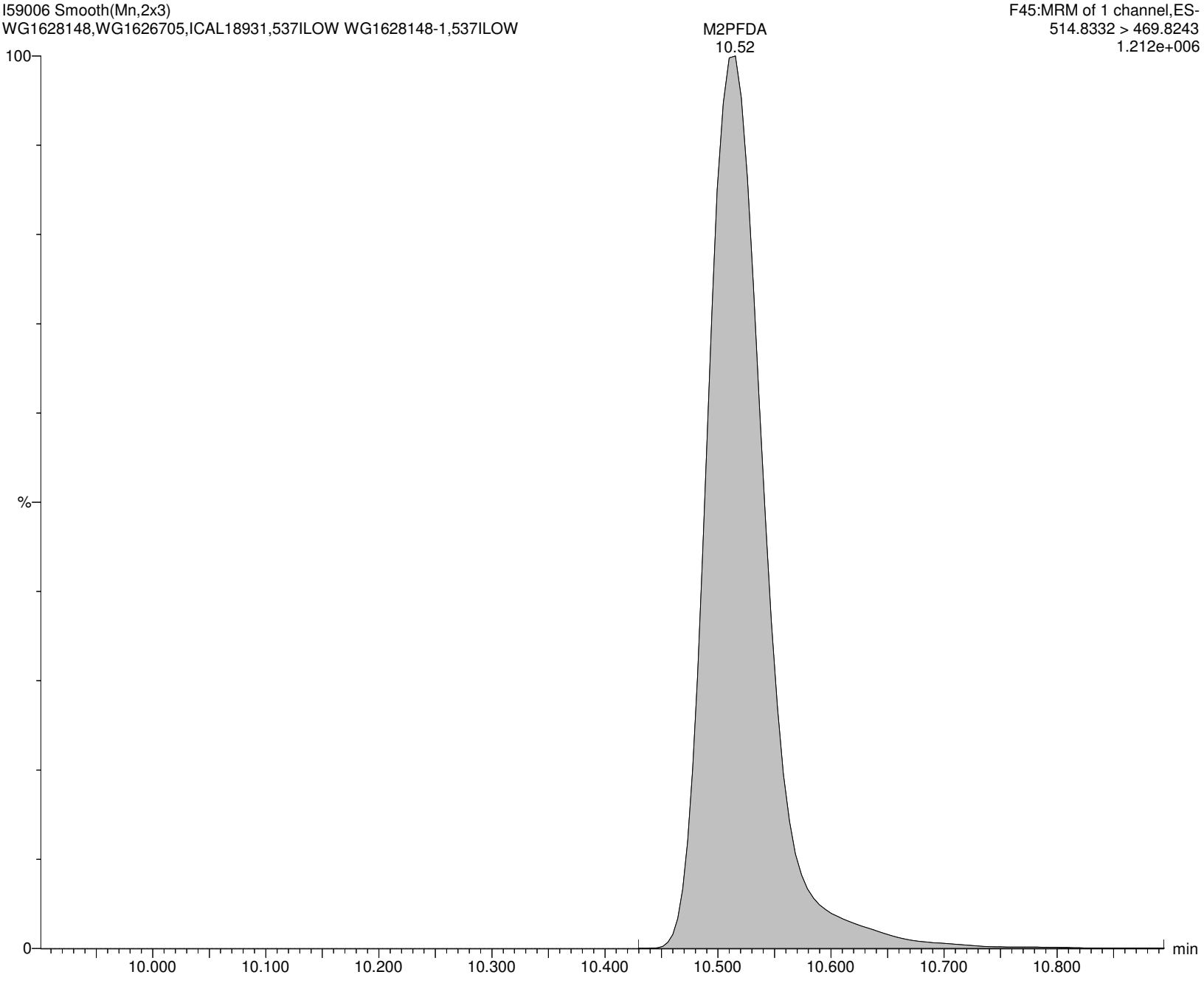


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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ID: WG1628148-1,537ILOW
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Time: 18:57:02
Description: WG1628148,WG1626705,ICAL18931,537ILOW
User: LCMS02:SG
Vial: 1:A,2
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M2PFDA

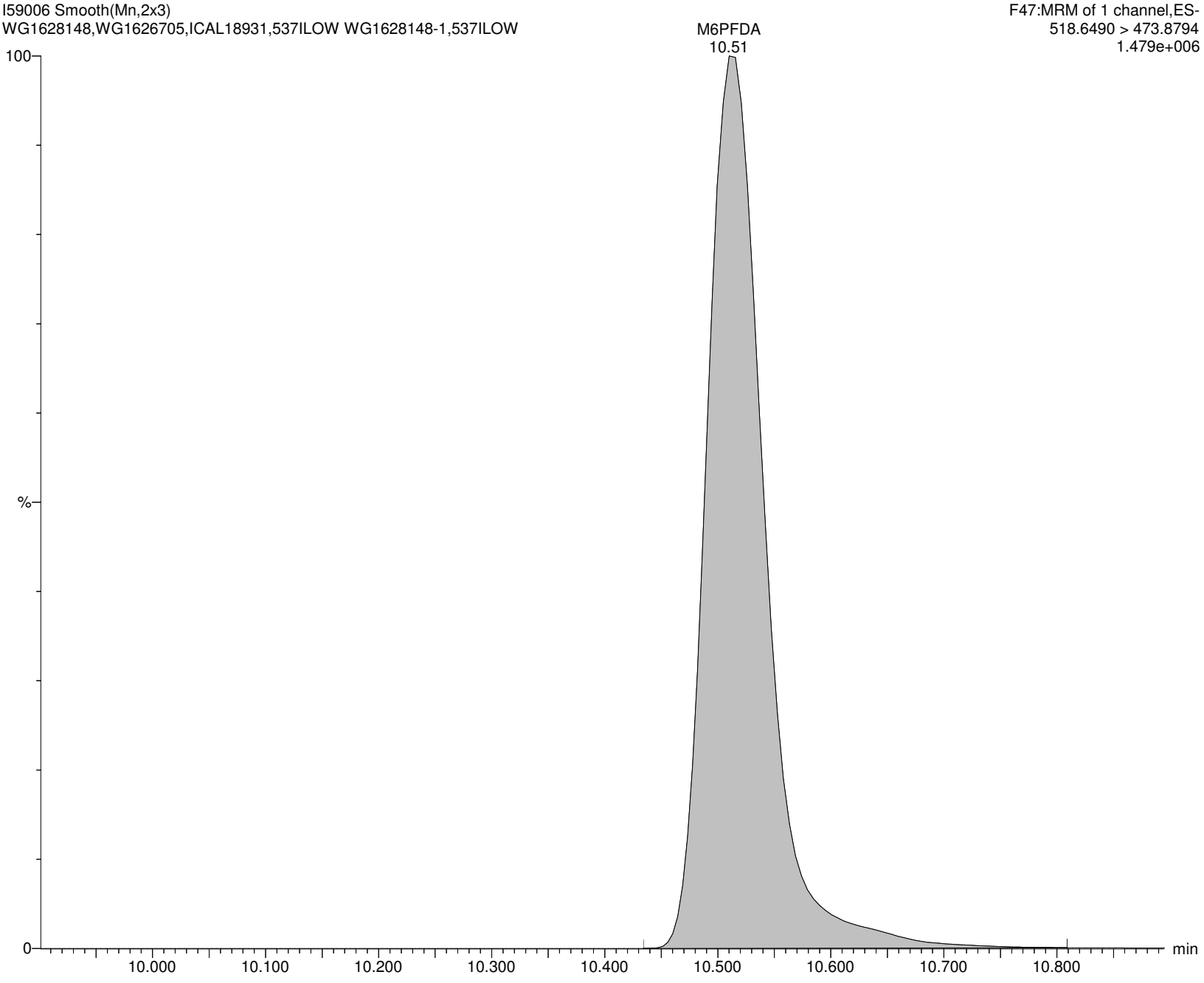


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Name: I59006
ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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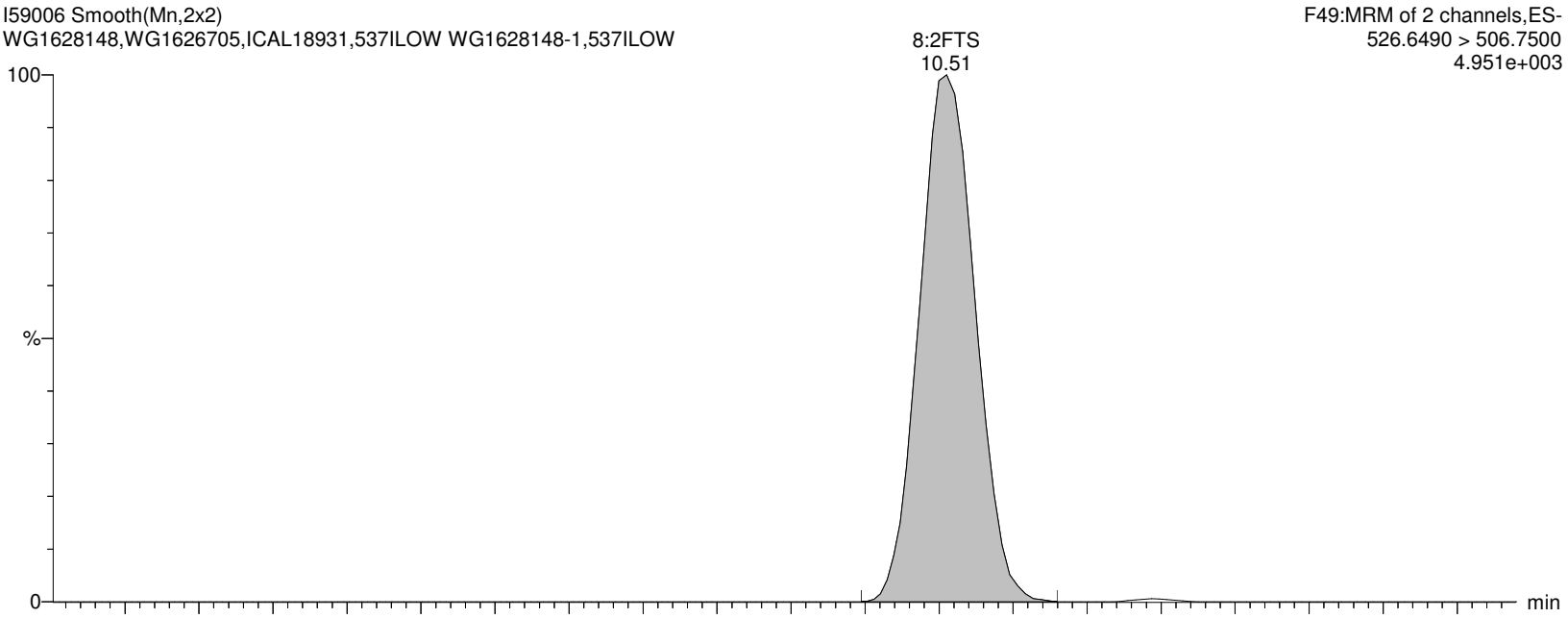


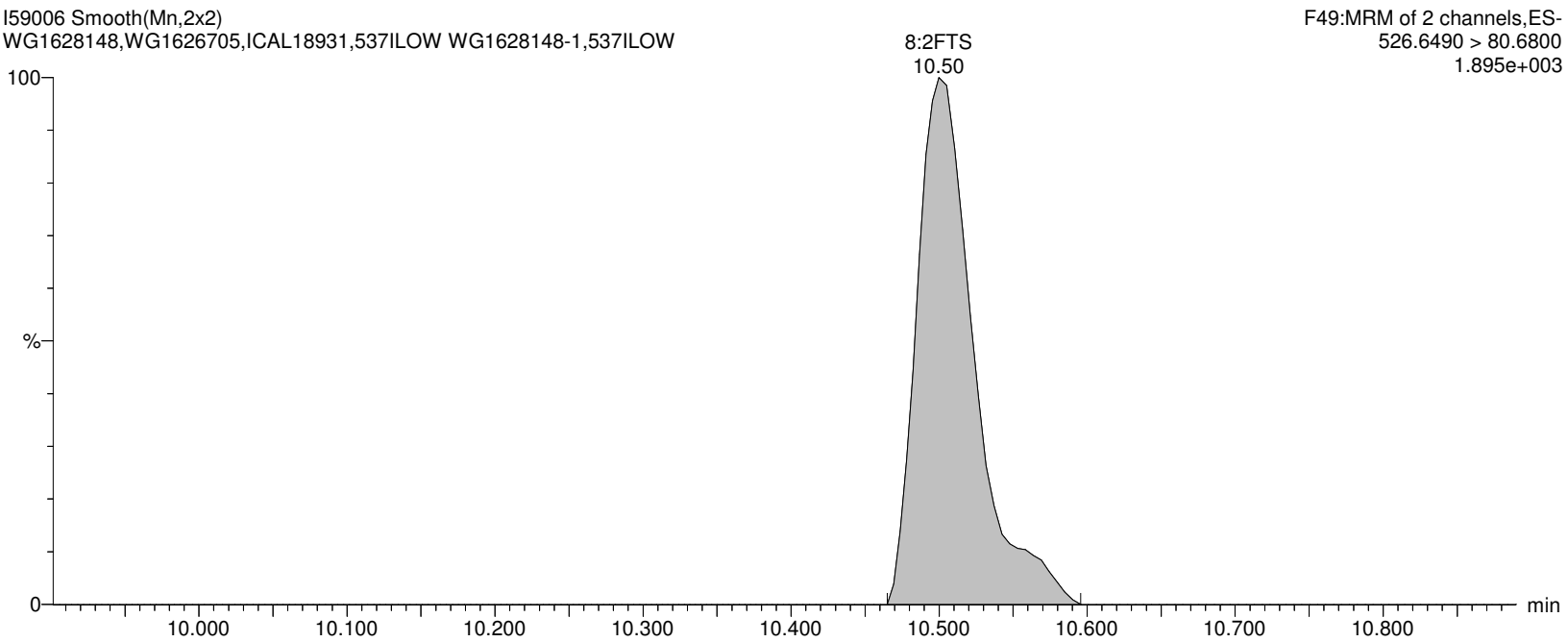
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
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8:2FTS



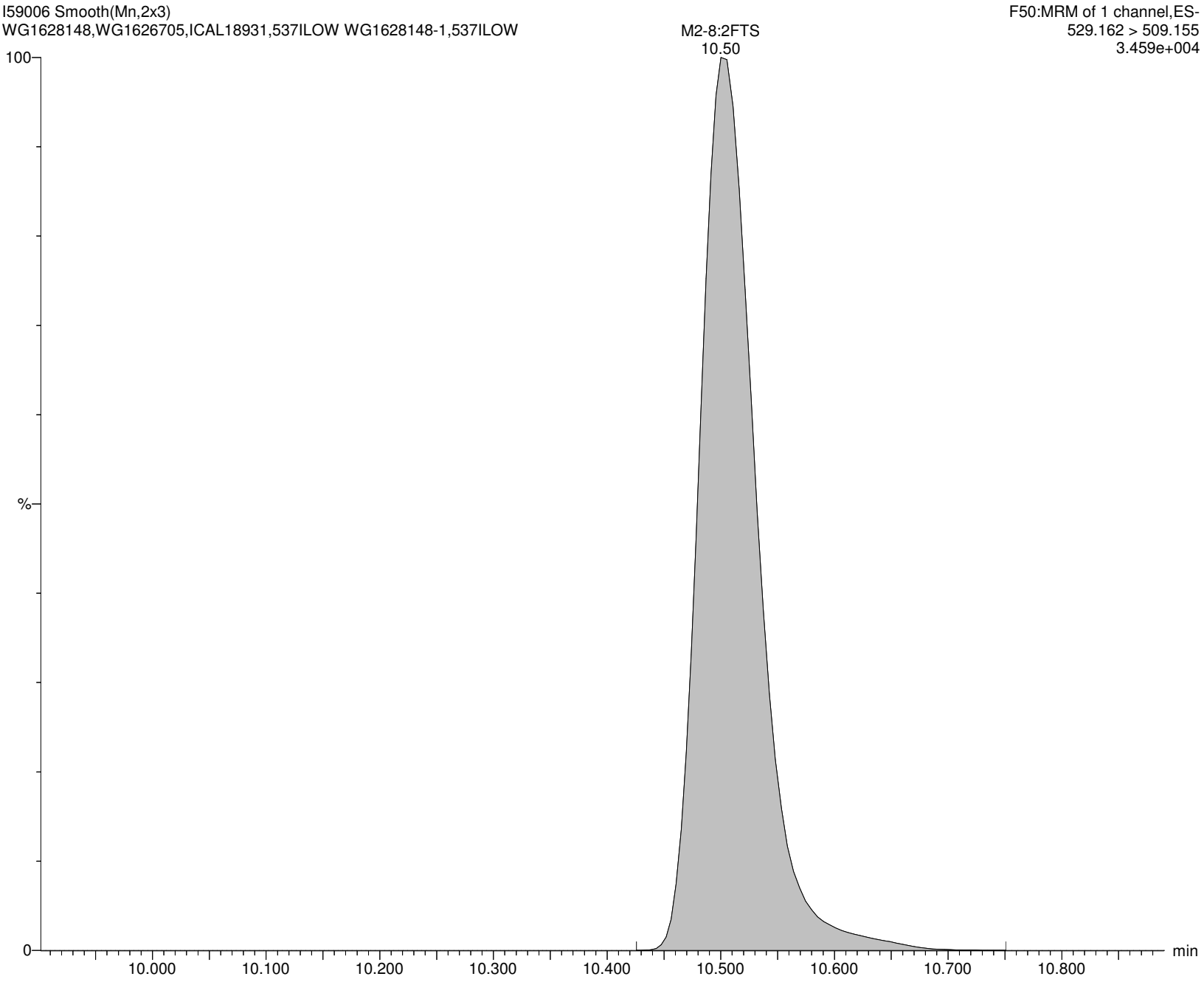


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Name: I59006
ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
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M2-8:2FTS

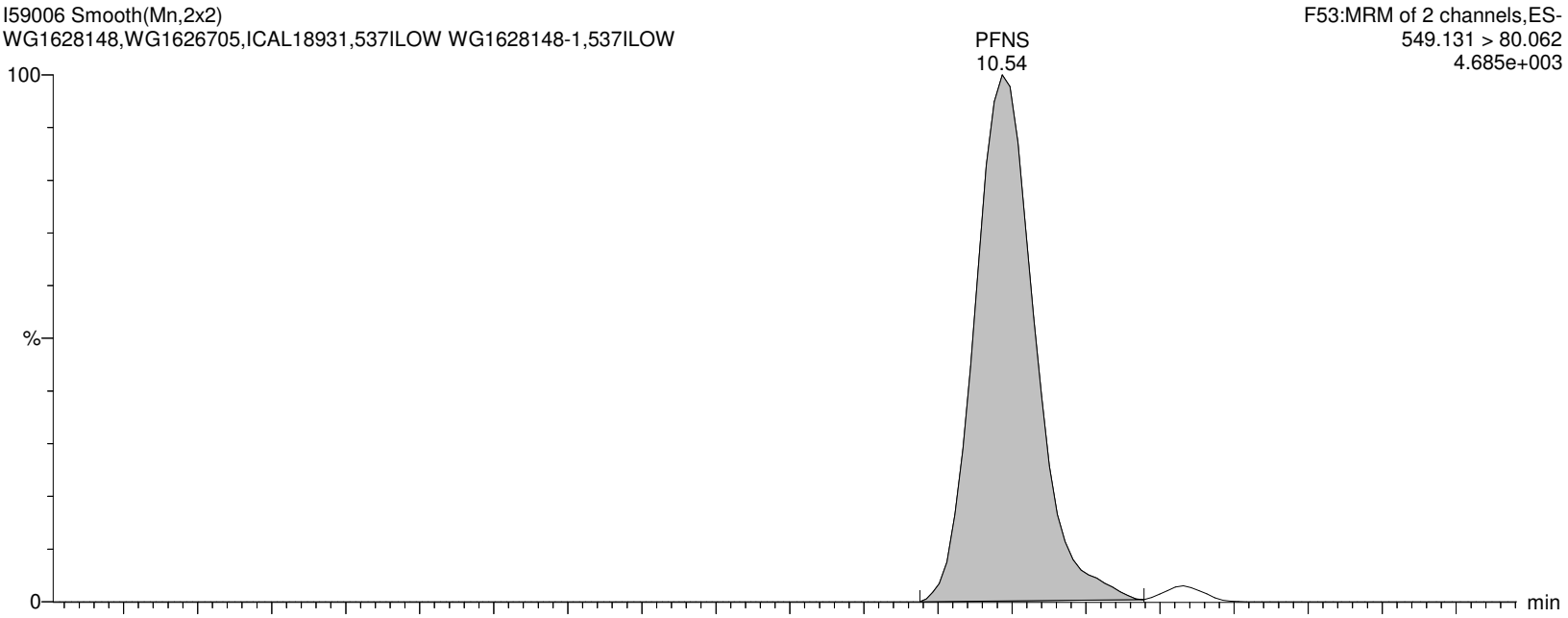


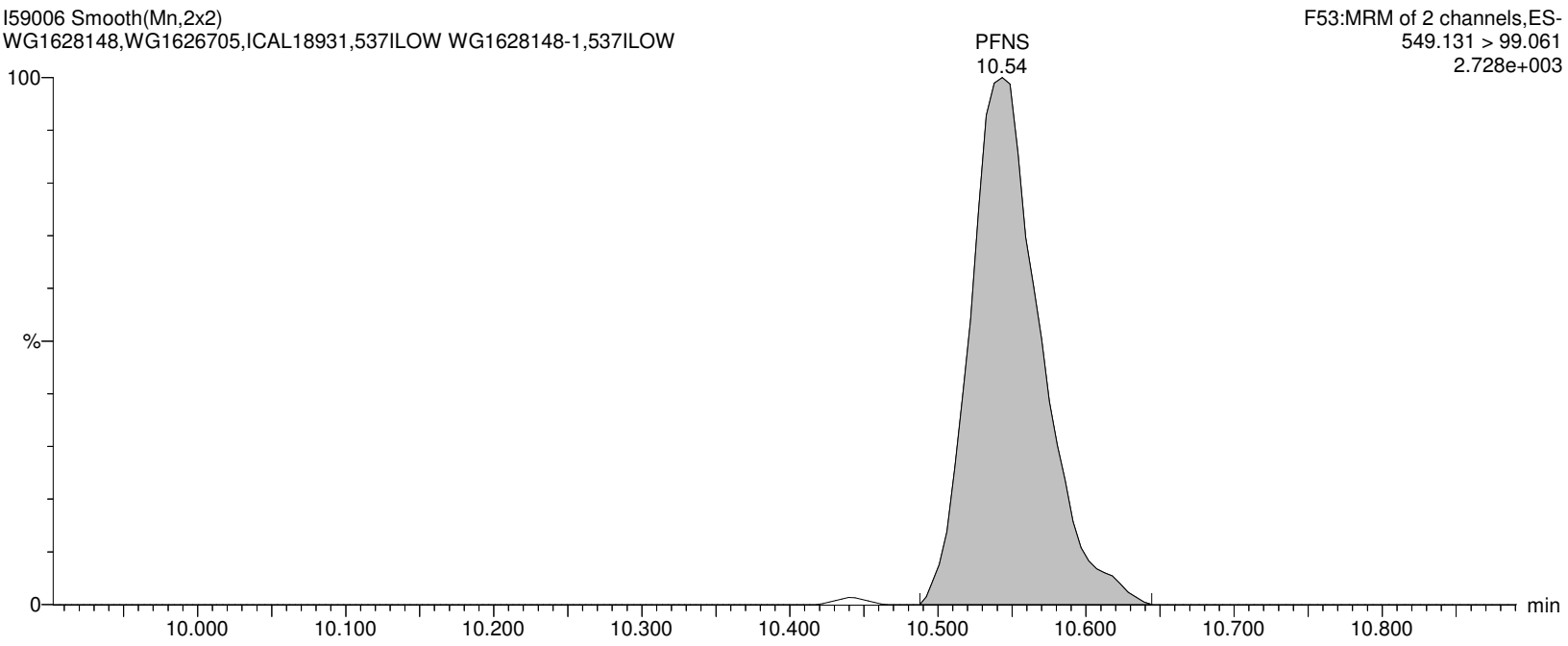
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
Vial: 1:A,2
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PFNS



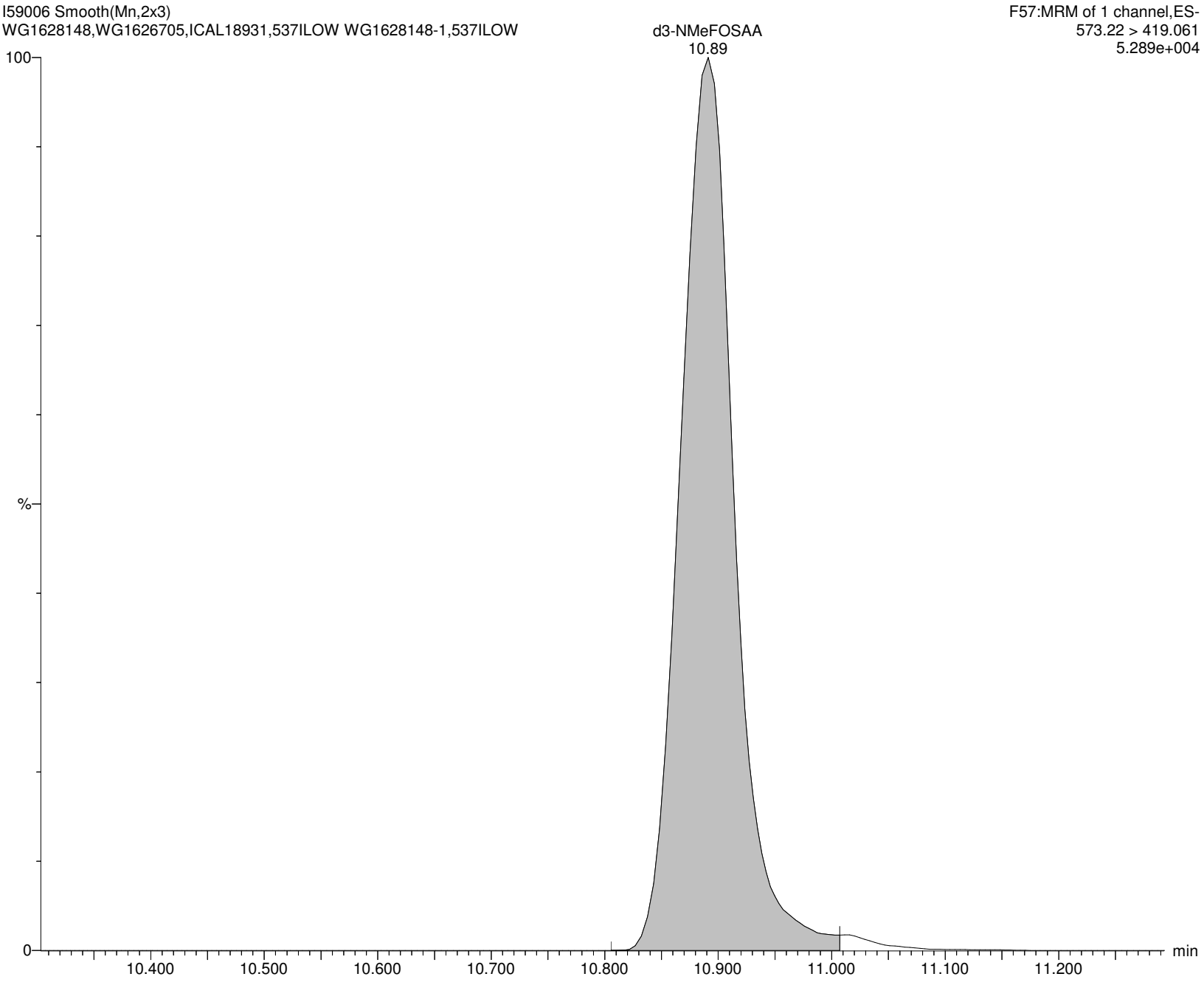


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
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d3-NMeFOSAA

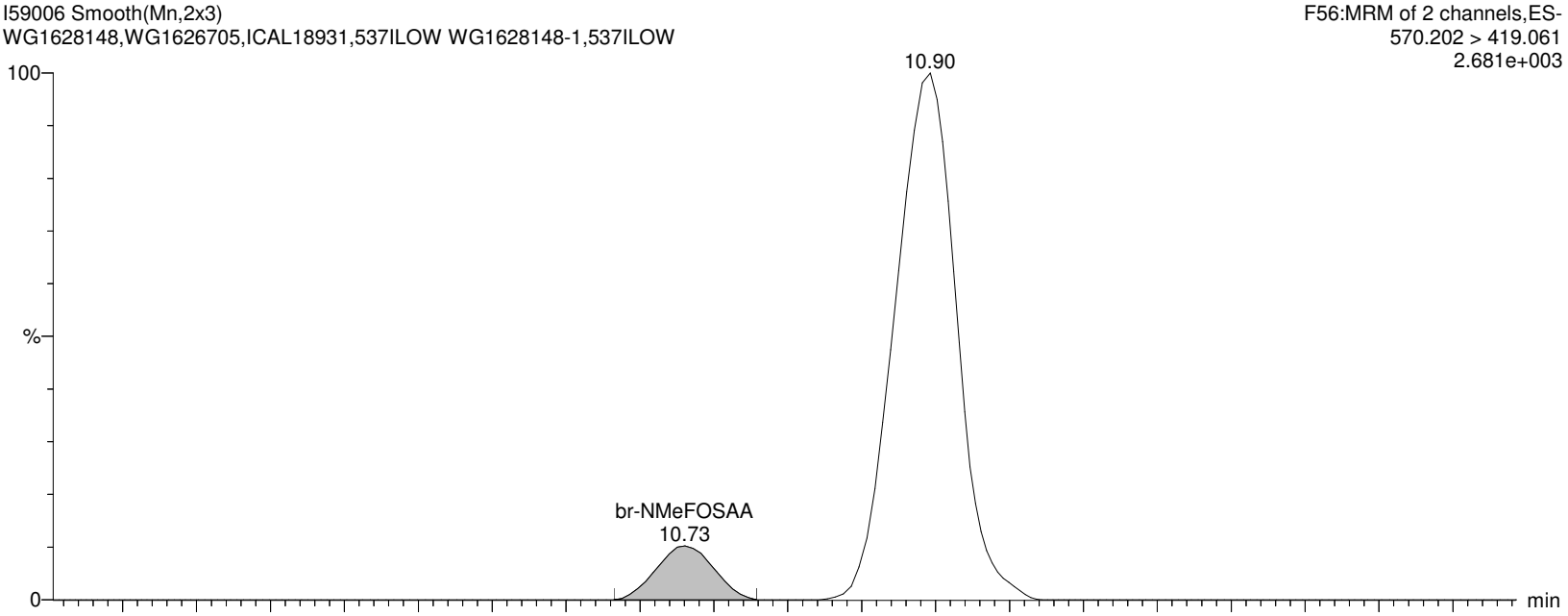


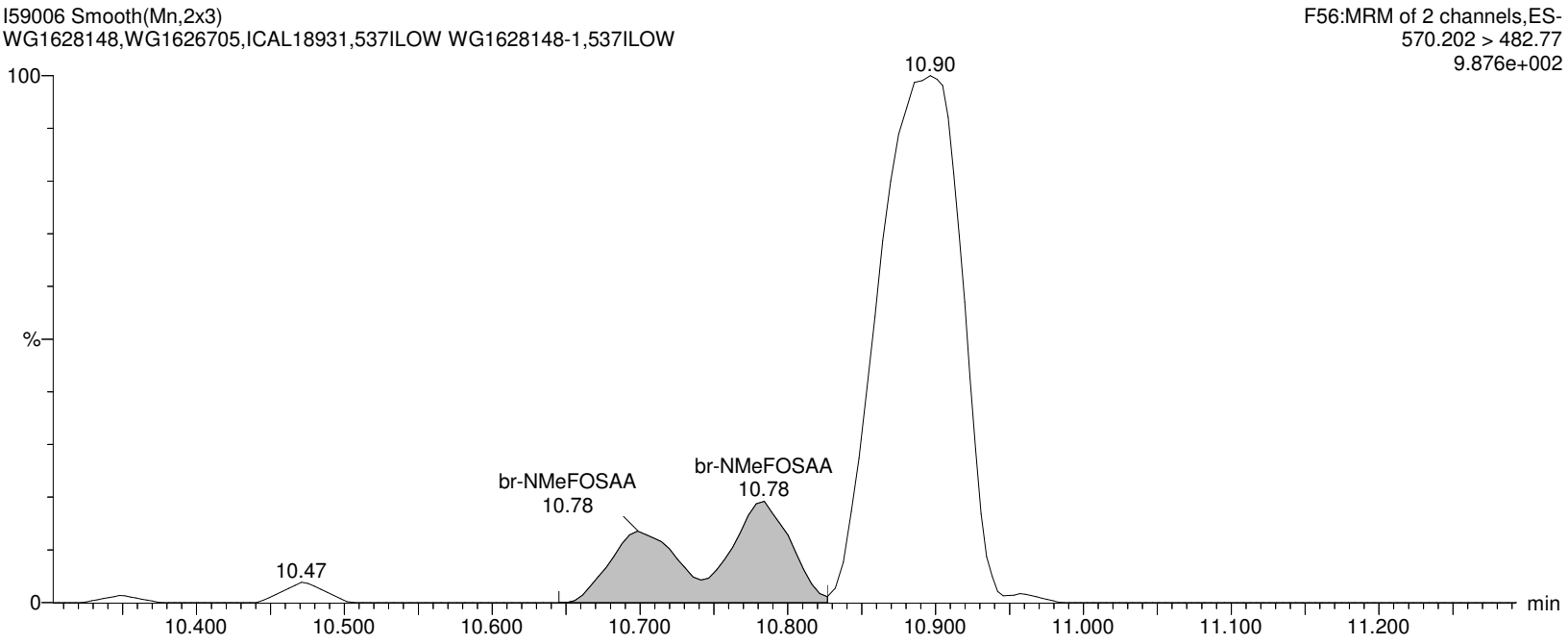
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
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br-NMeFOSAA



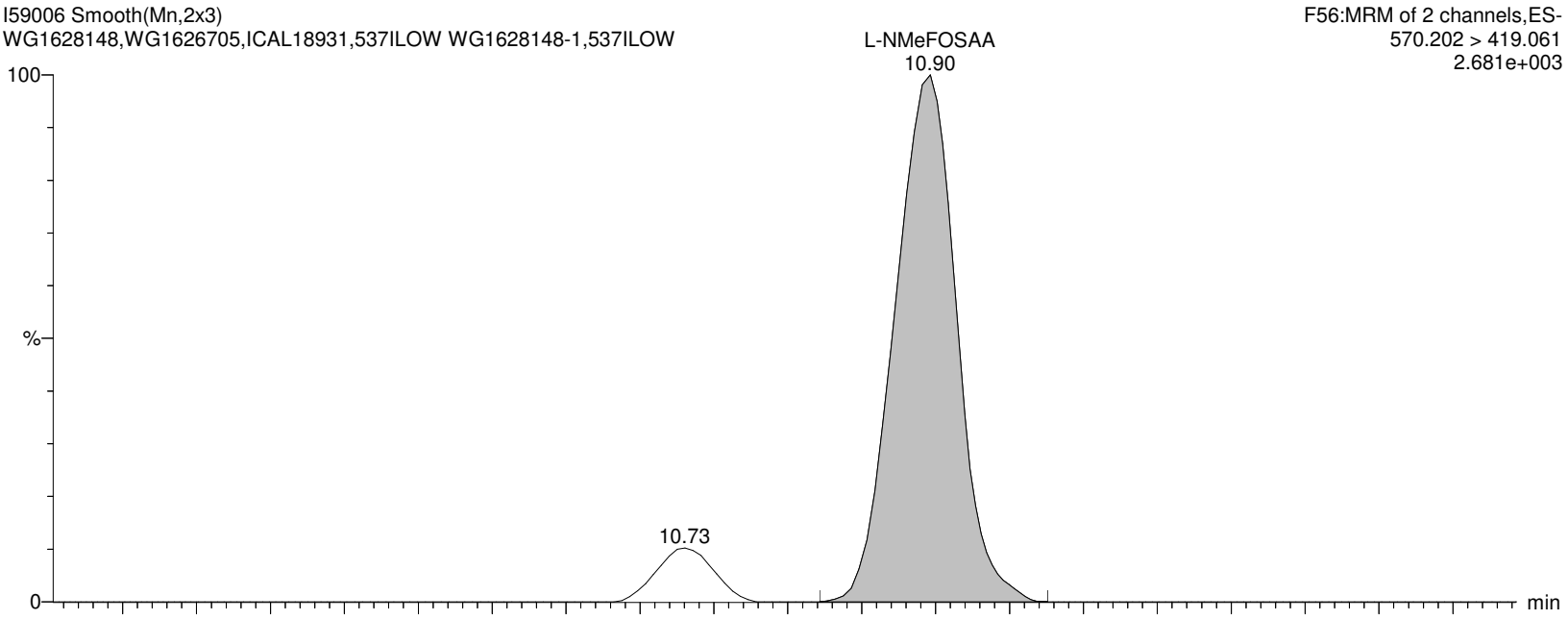


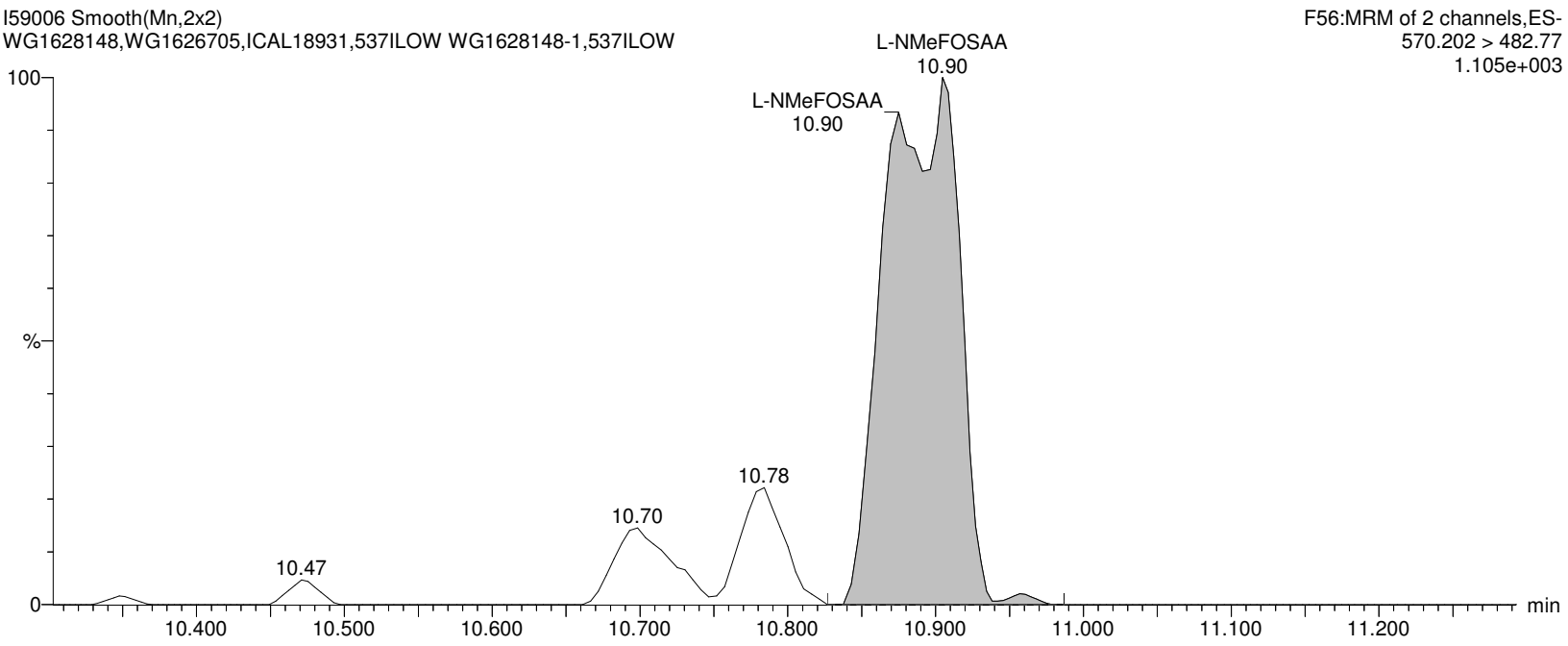
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Date: 17-Apr-2022
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Vial: 1:A,2
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L-NMeFOSAA



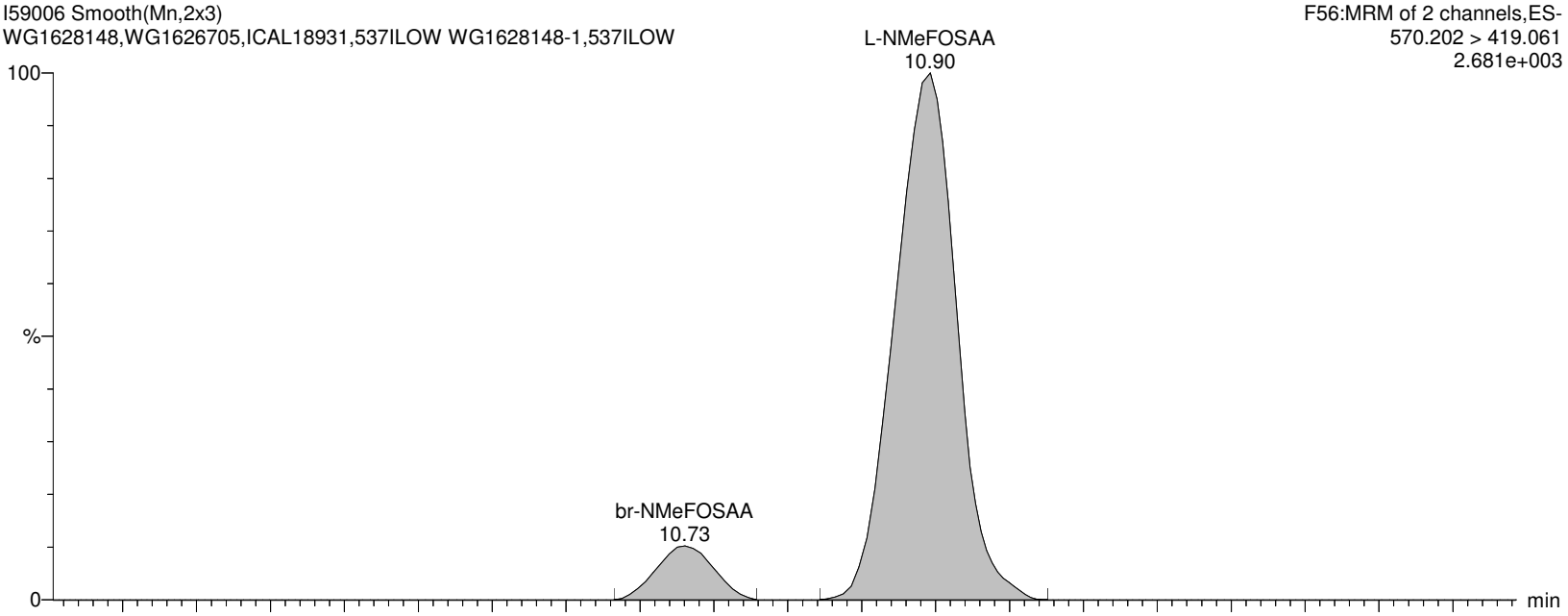


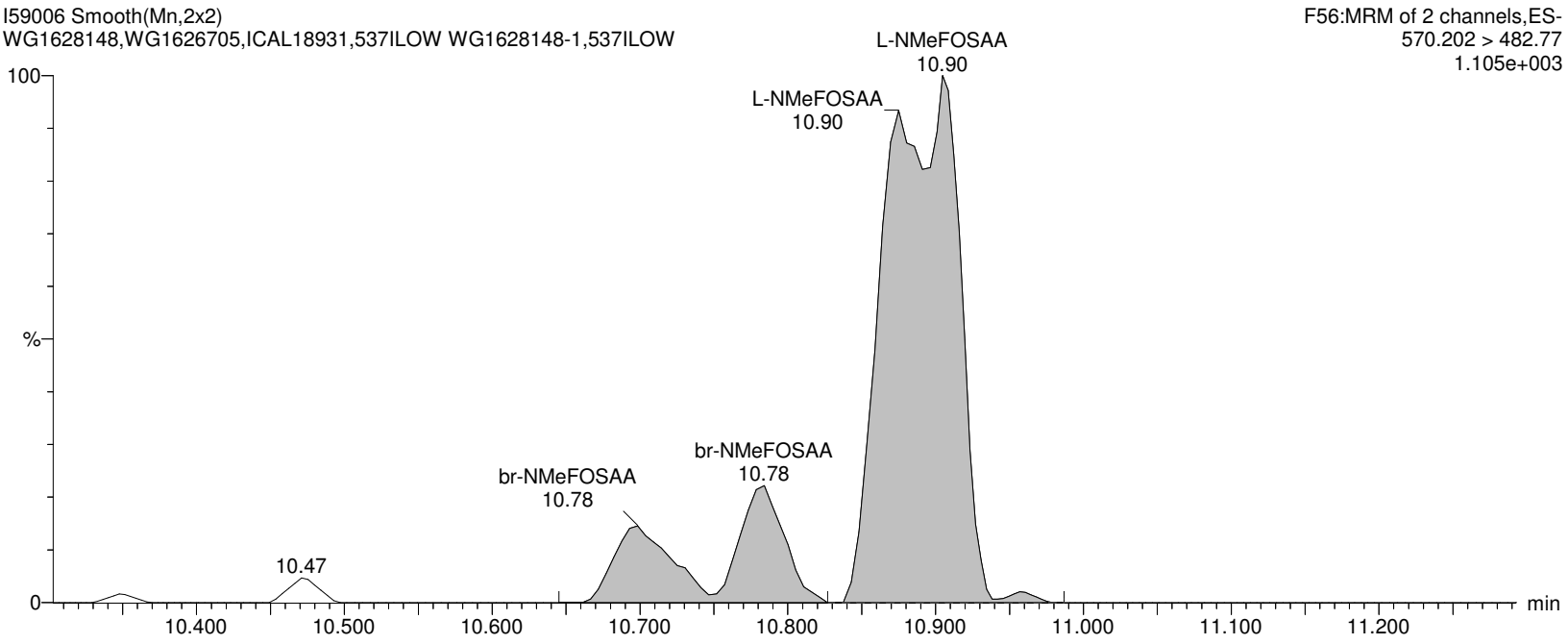
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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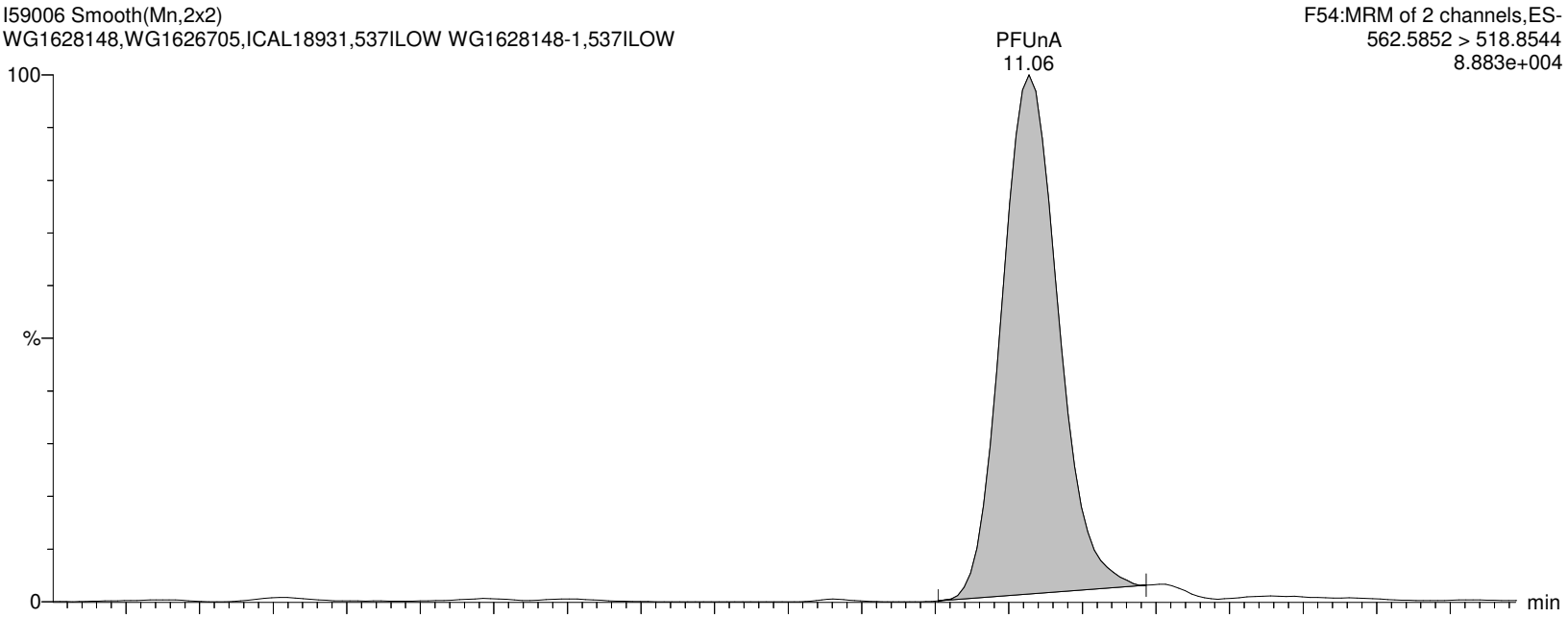


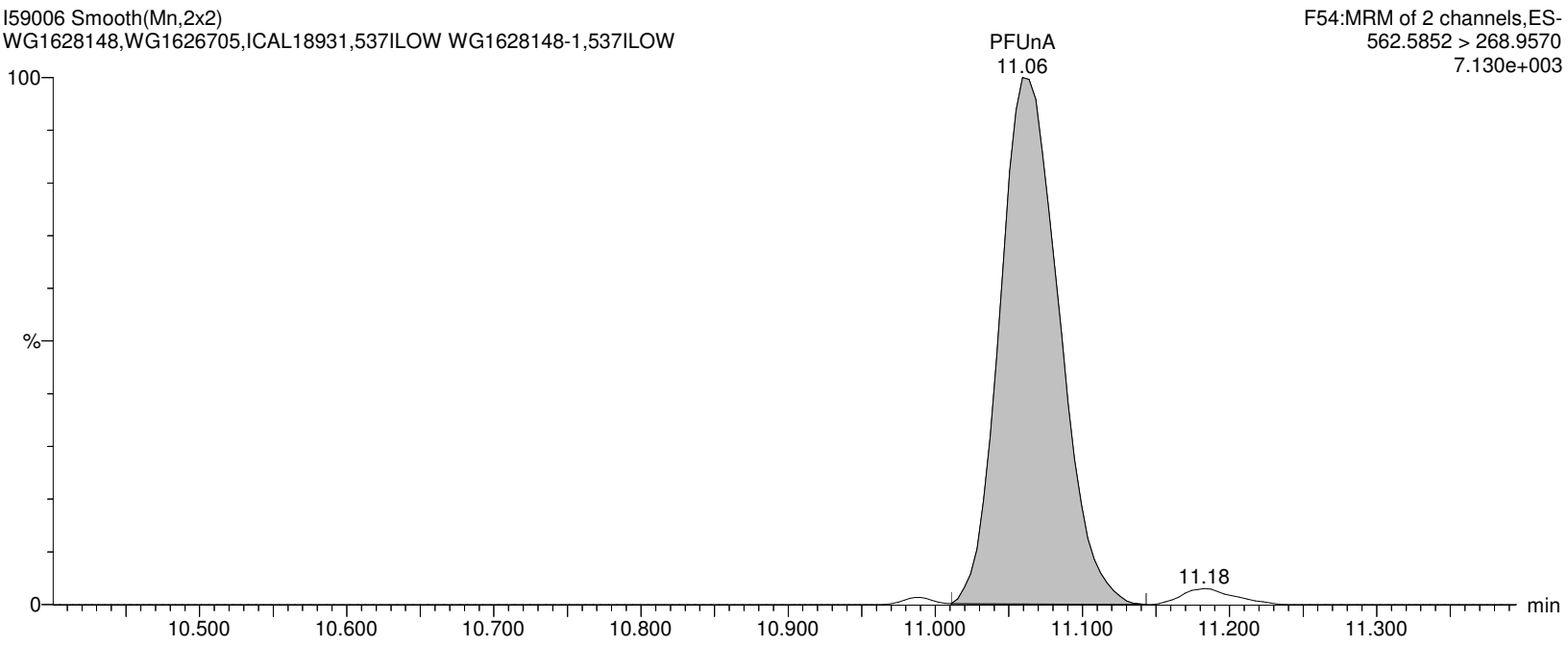
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
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Vial: 1:A,2
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PFUnA



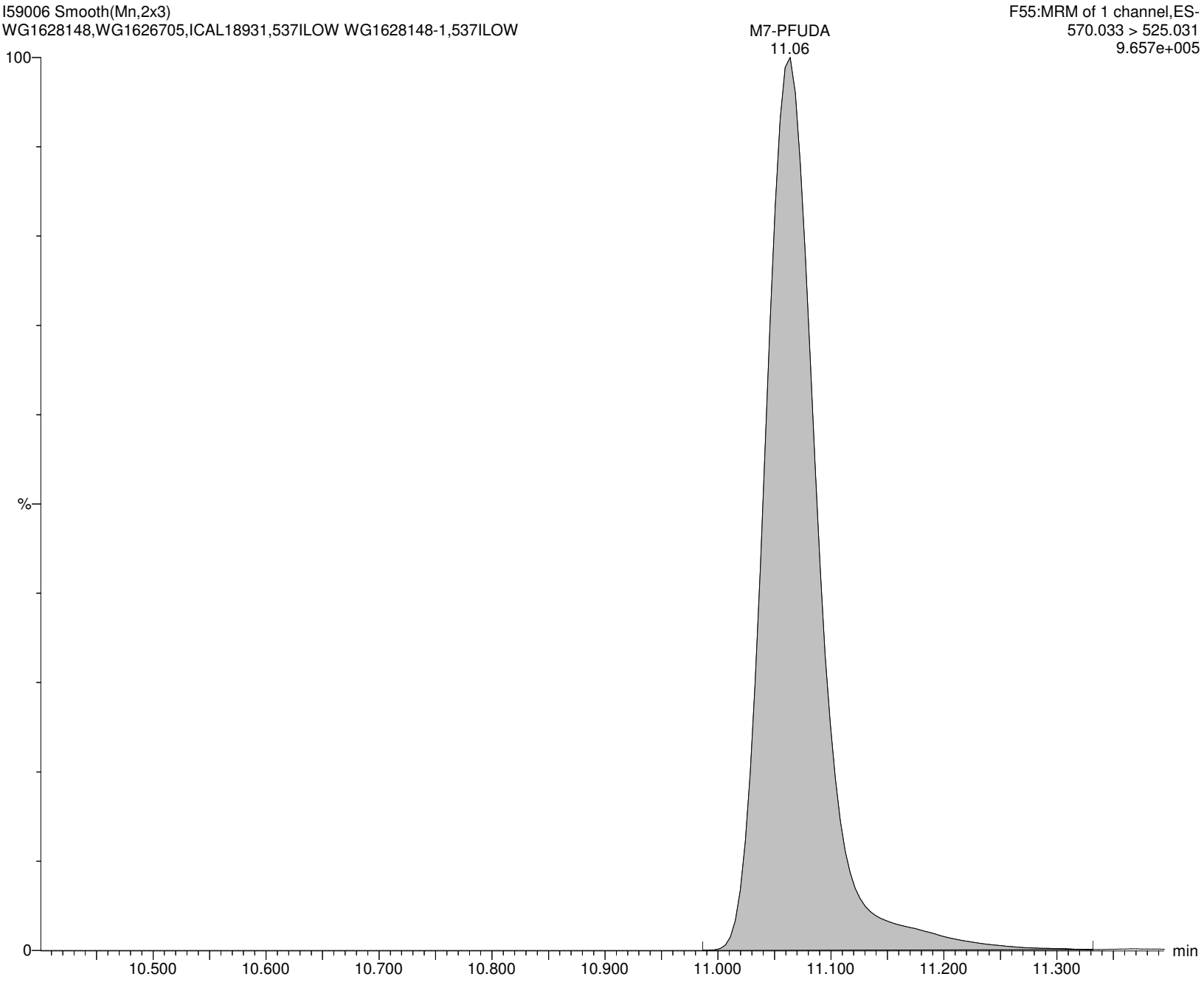


all concentration units in (ng/mL)

Alpha Analytical Inc.
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User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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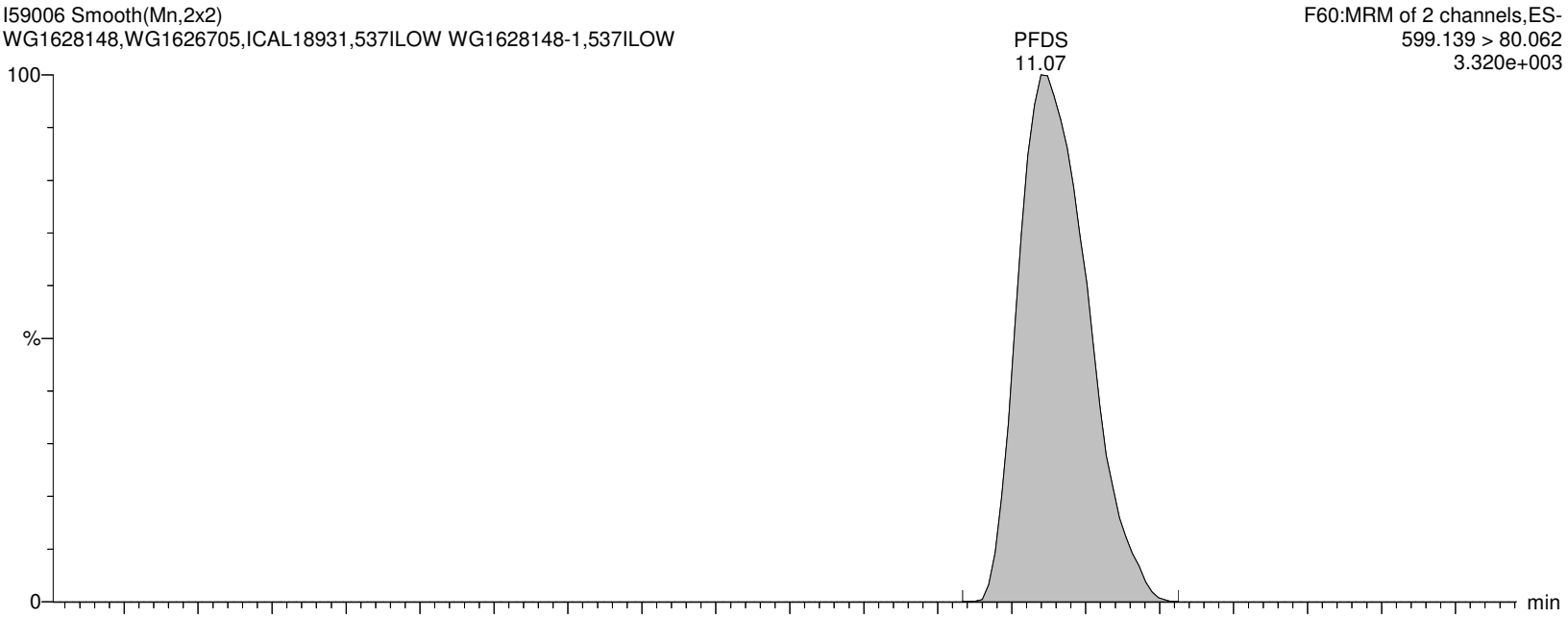


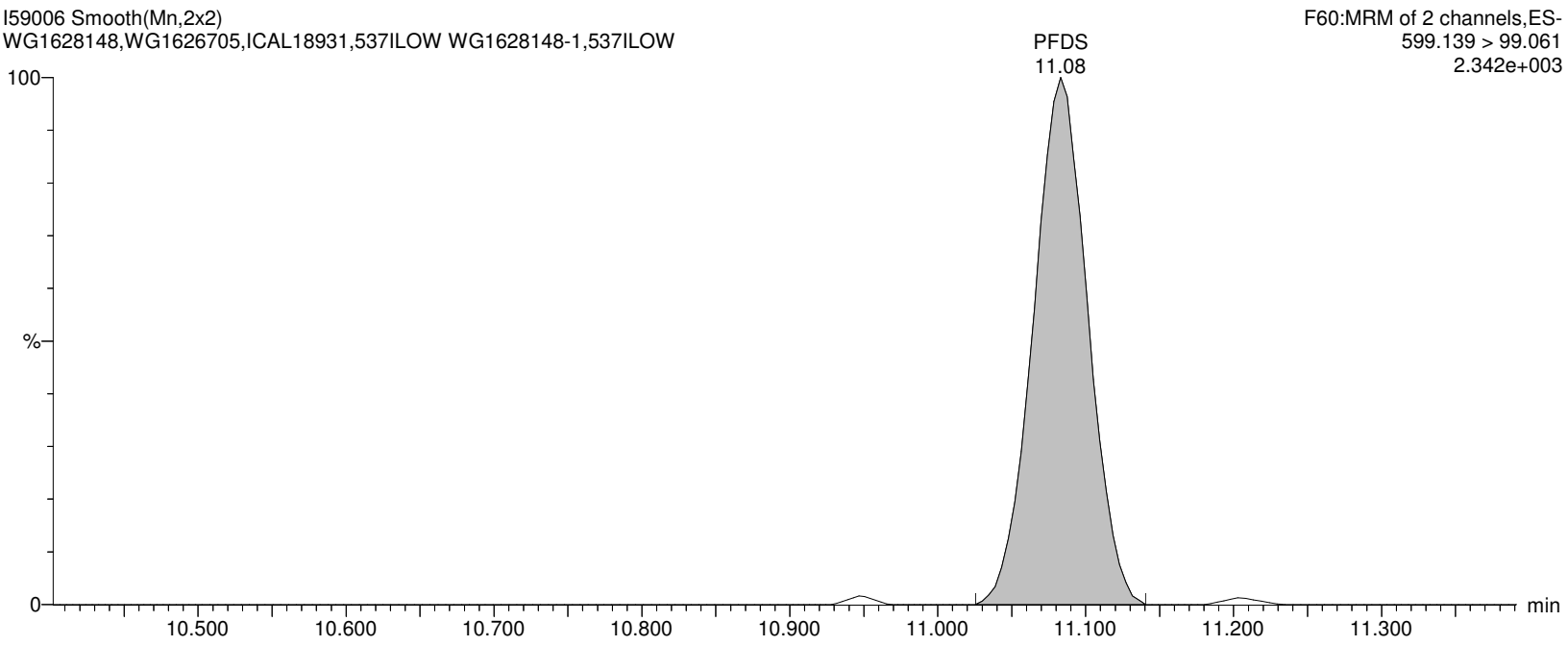
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 17-Apr-2022
Time: 18:57:02
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User: LCMS02:SG
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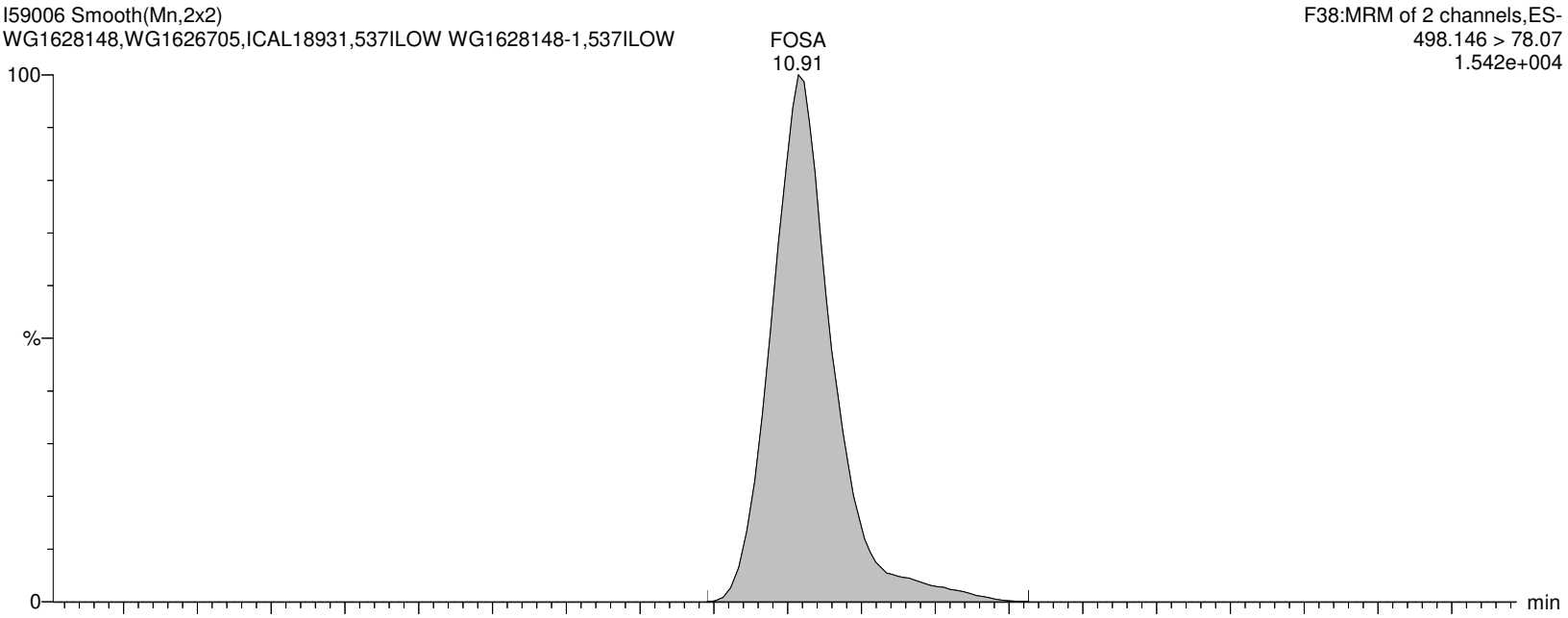


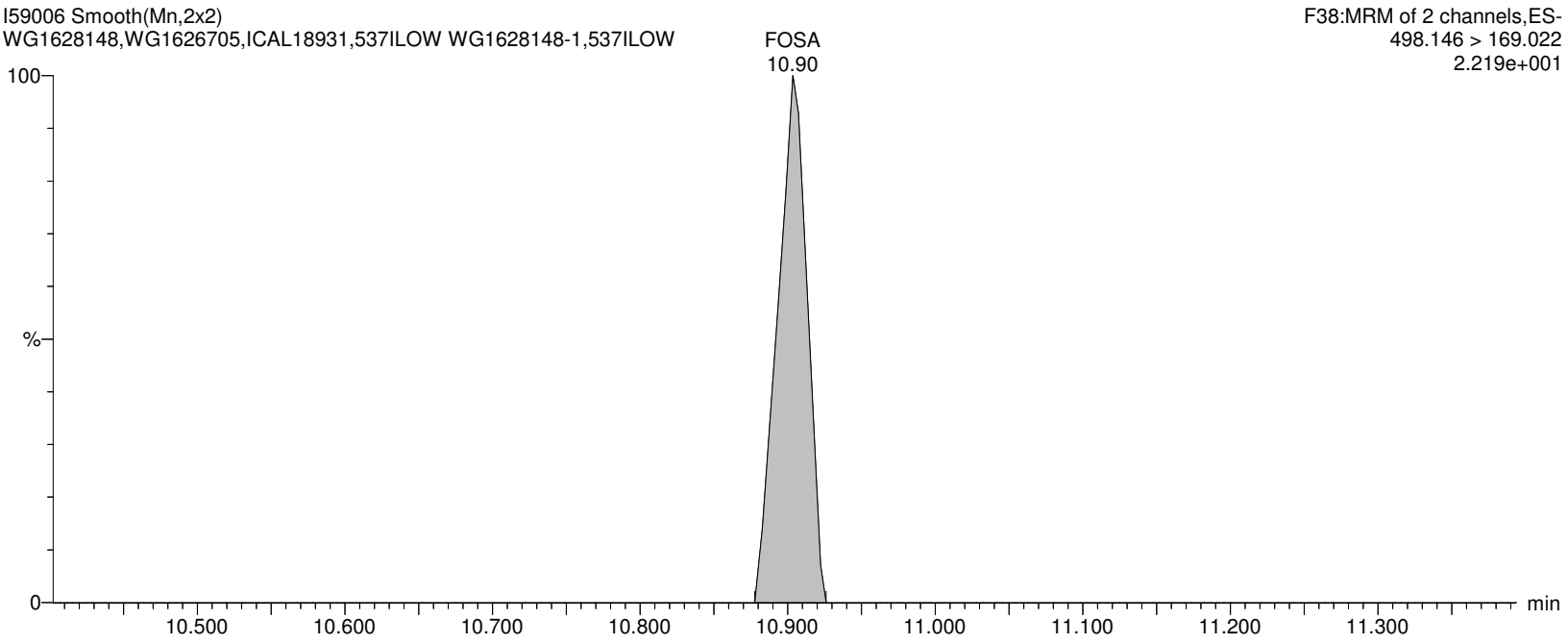
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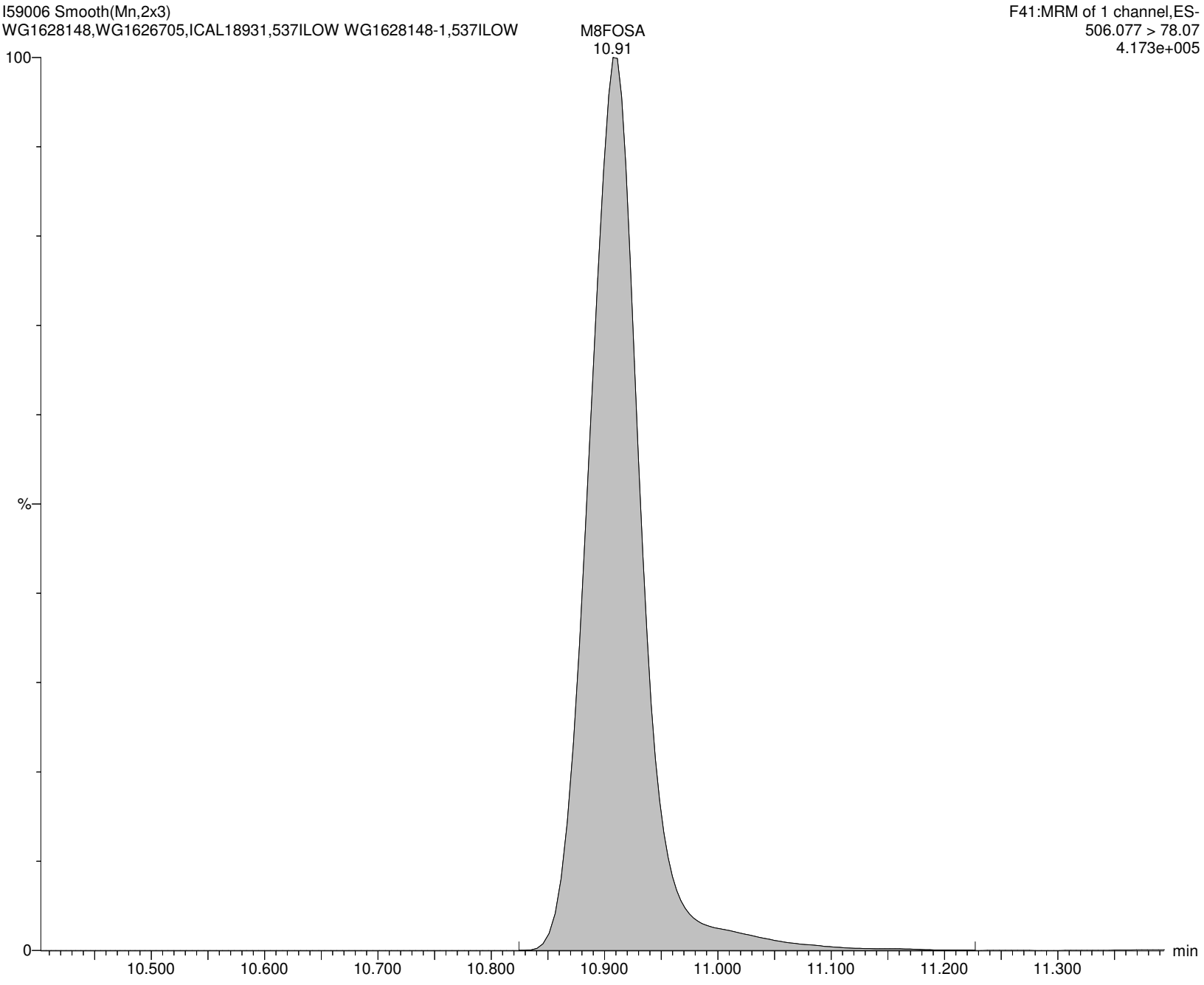


all concentration units in (ng/mL)

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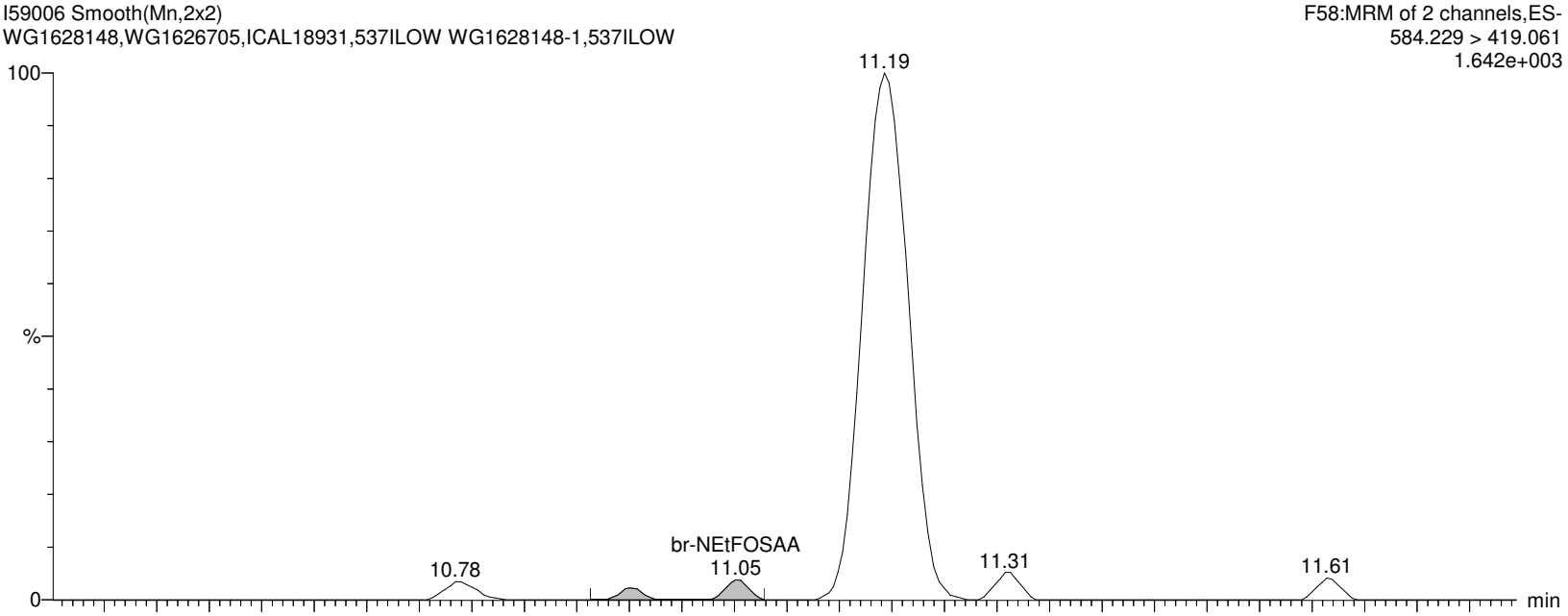


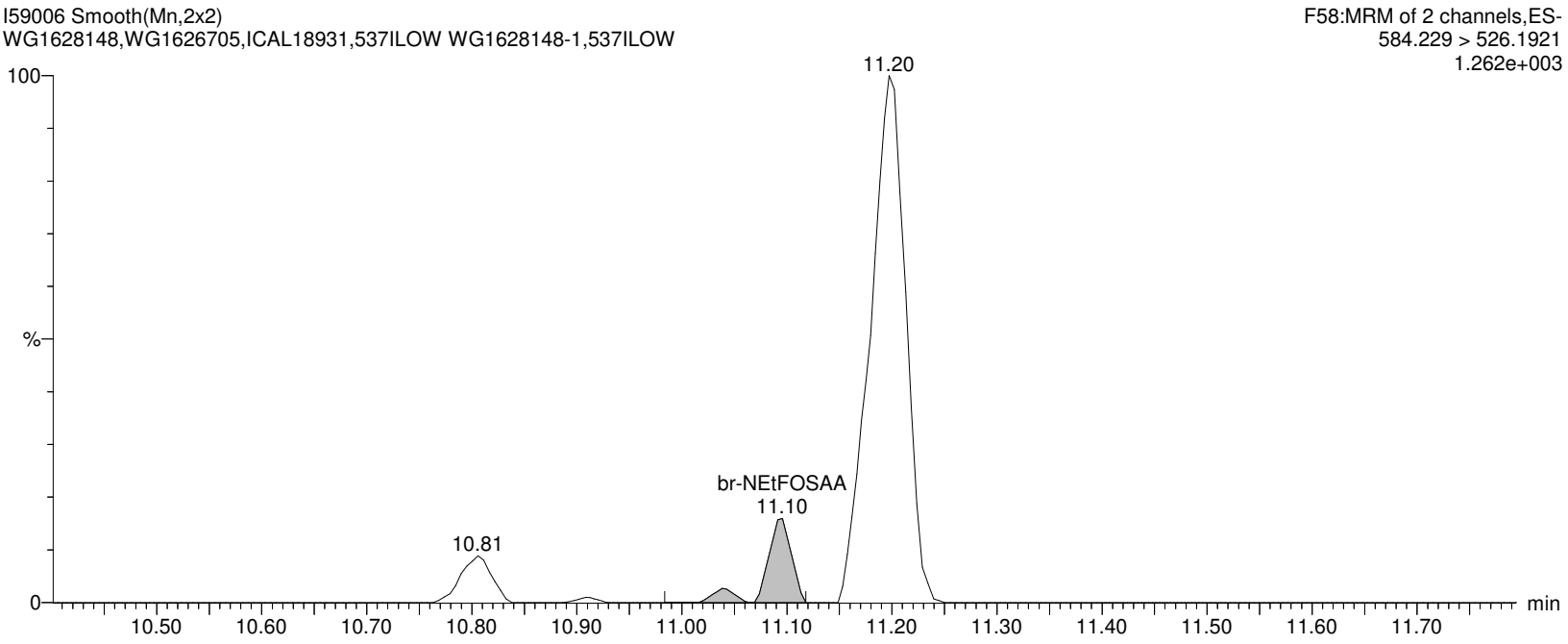
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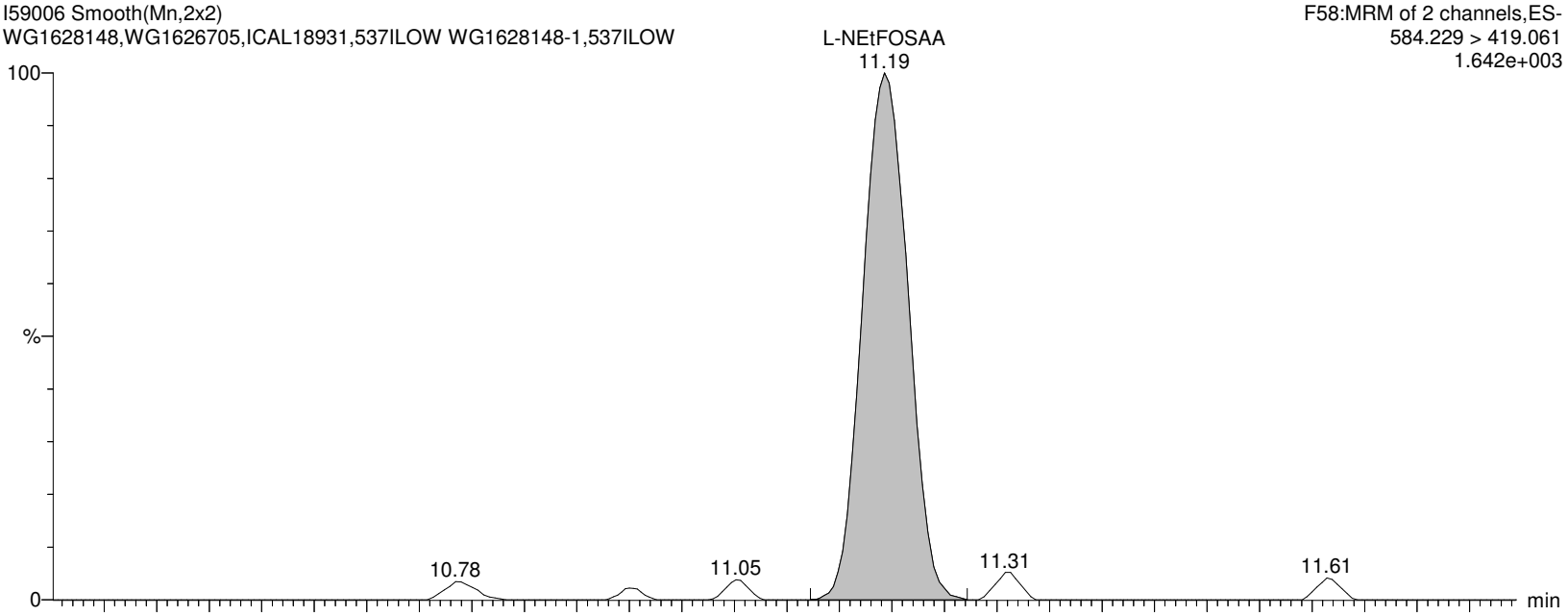


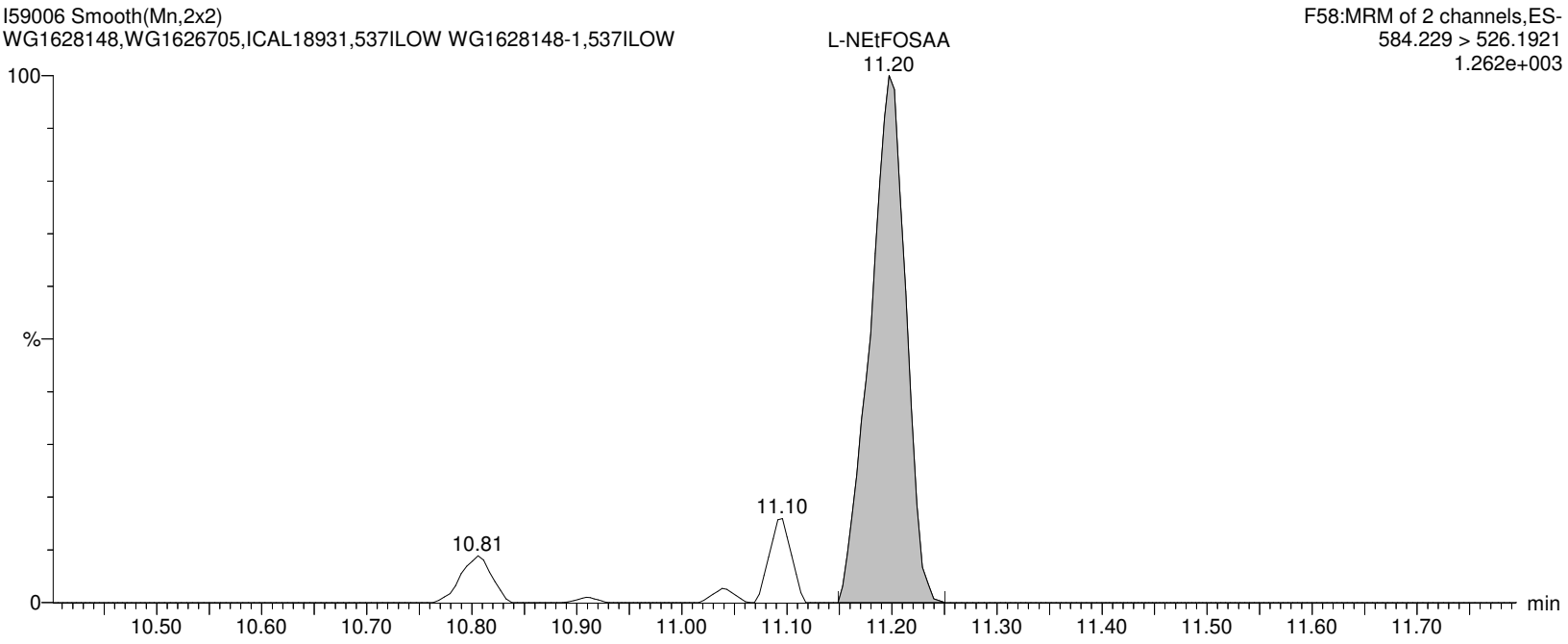
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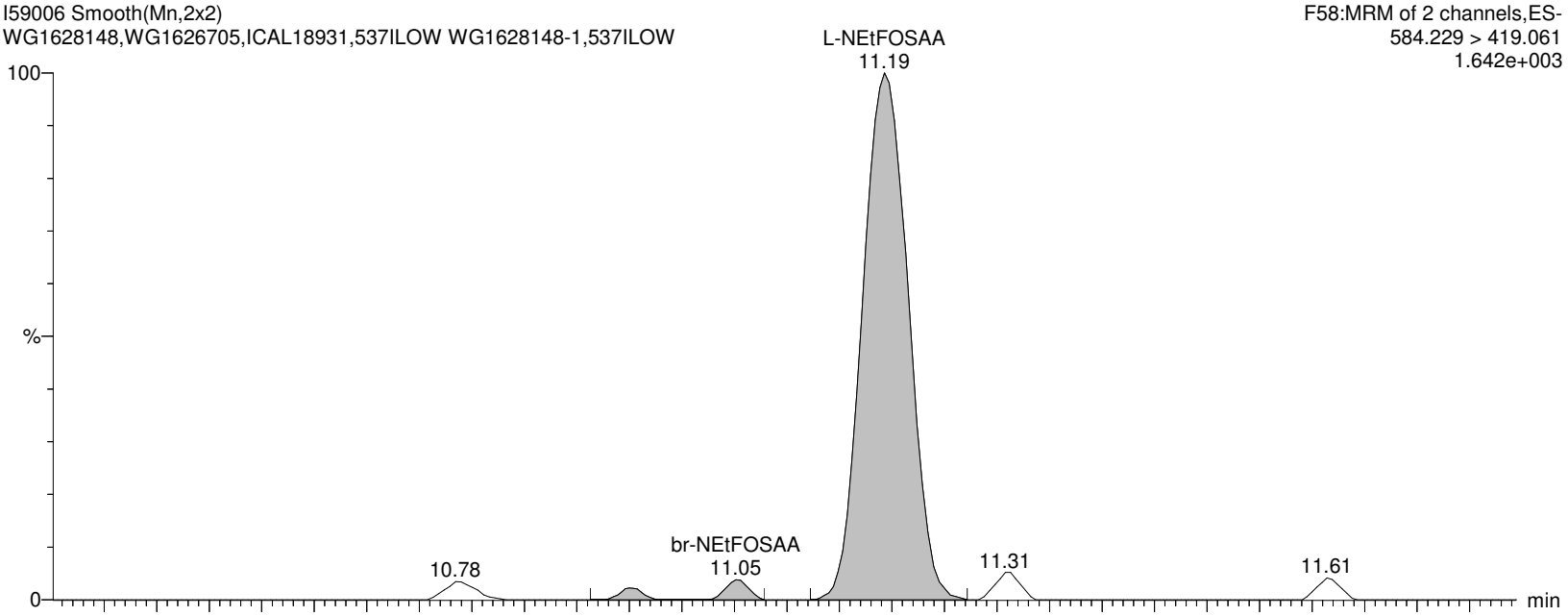


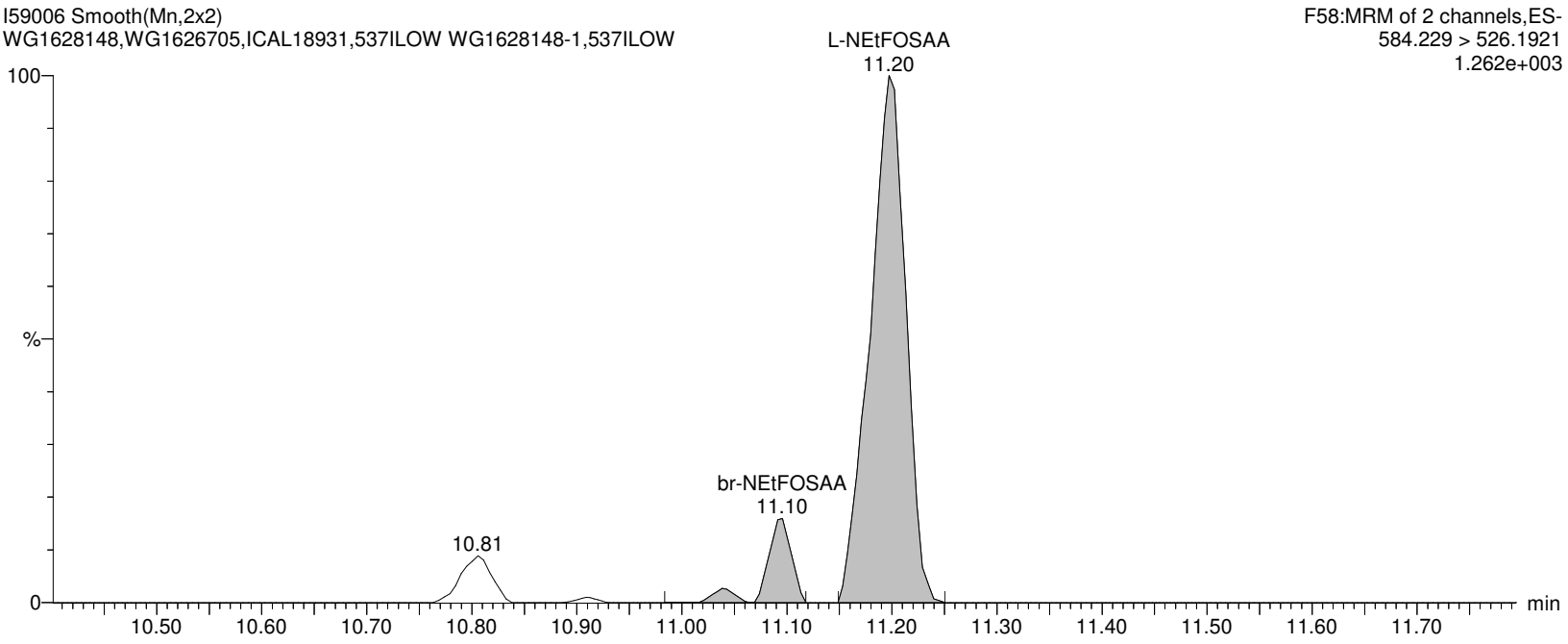
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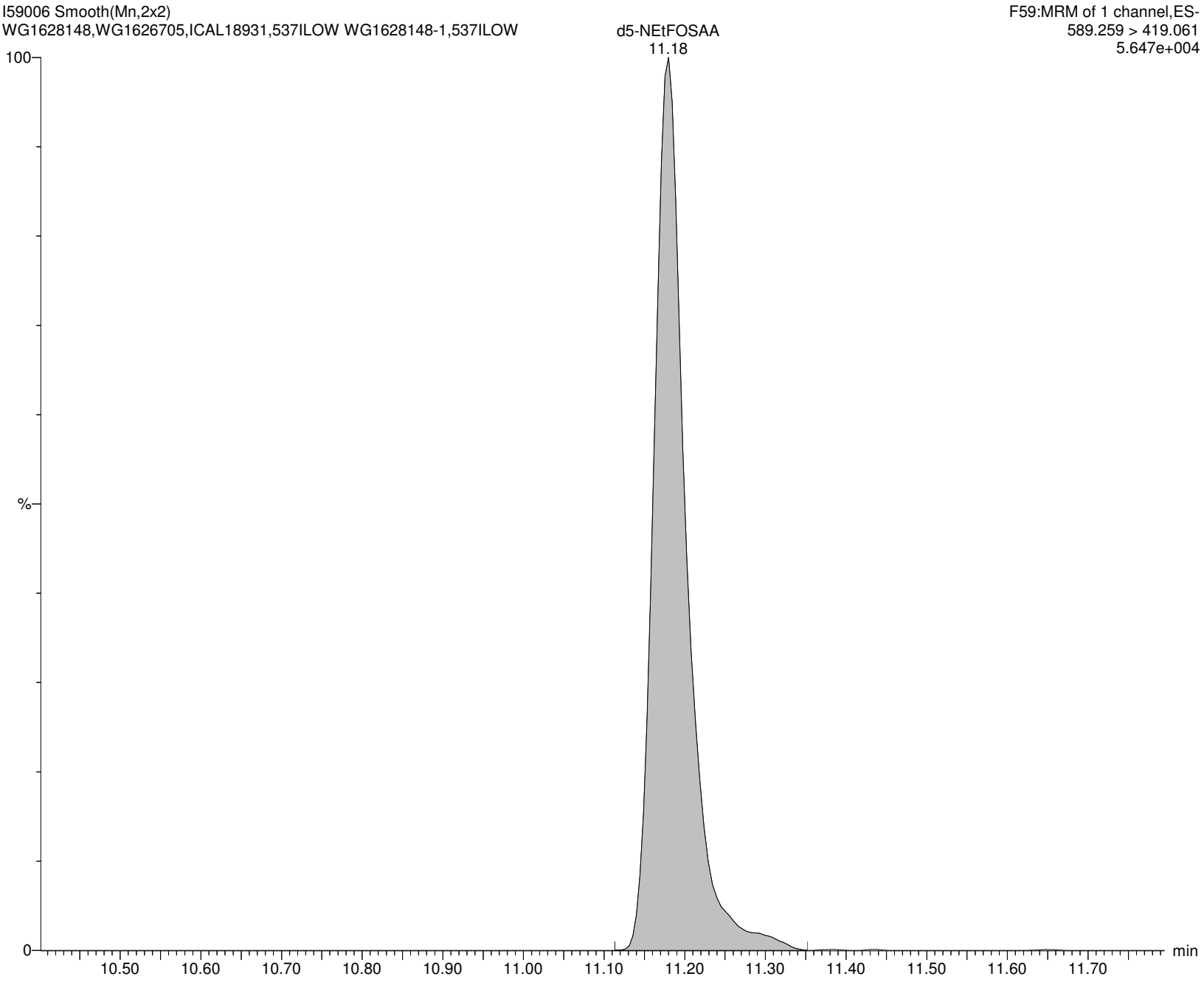


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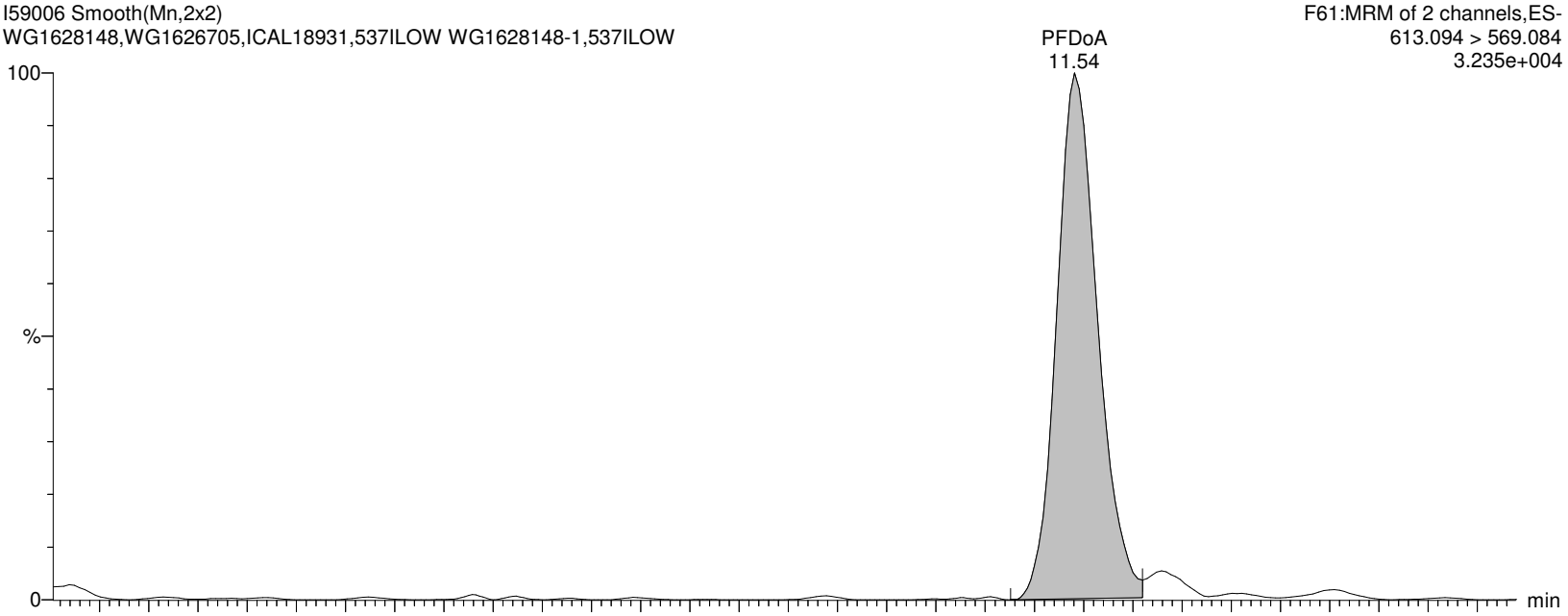


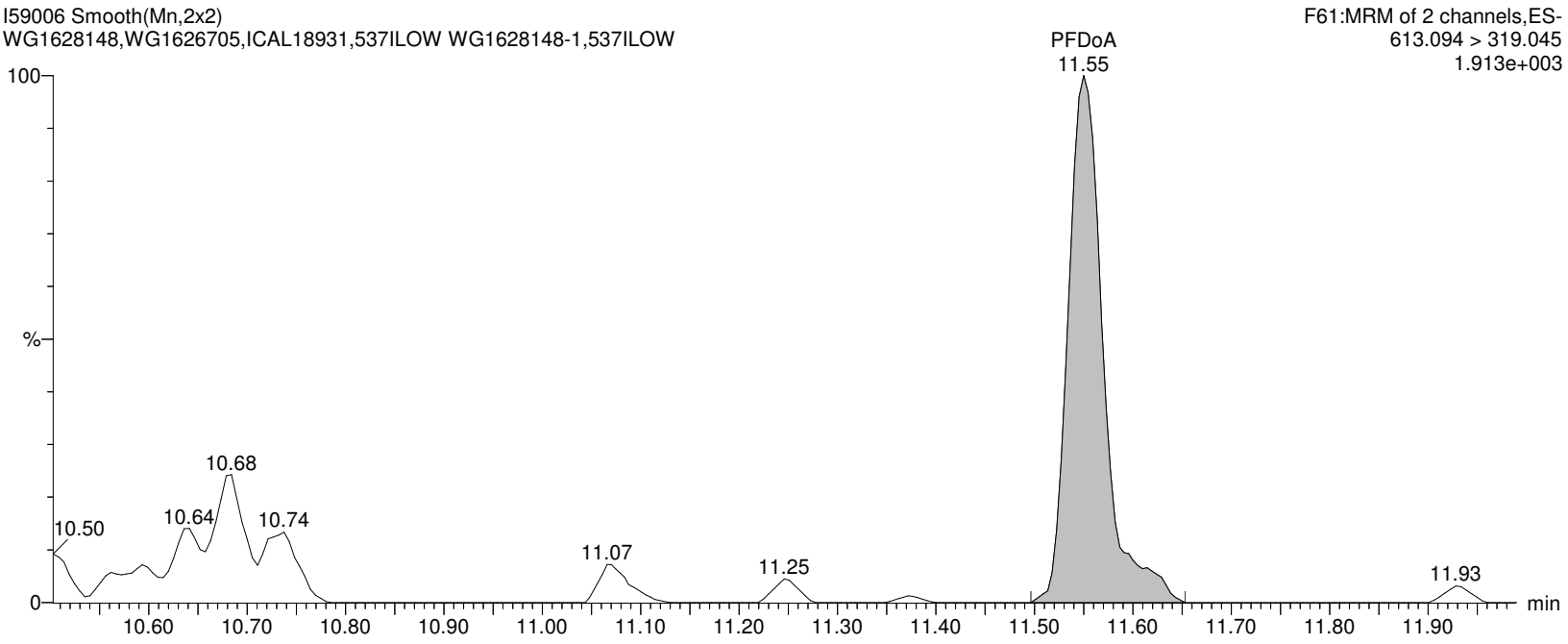
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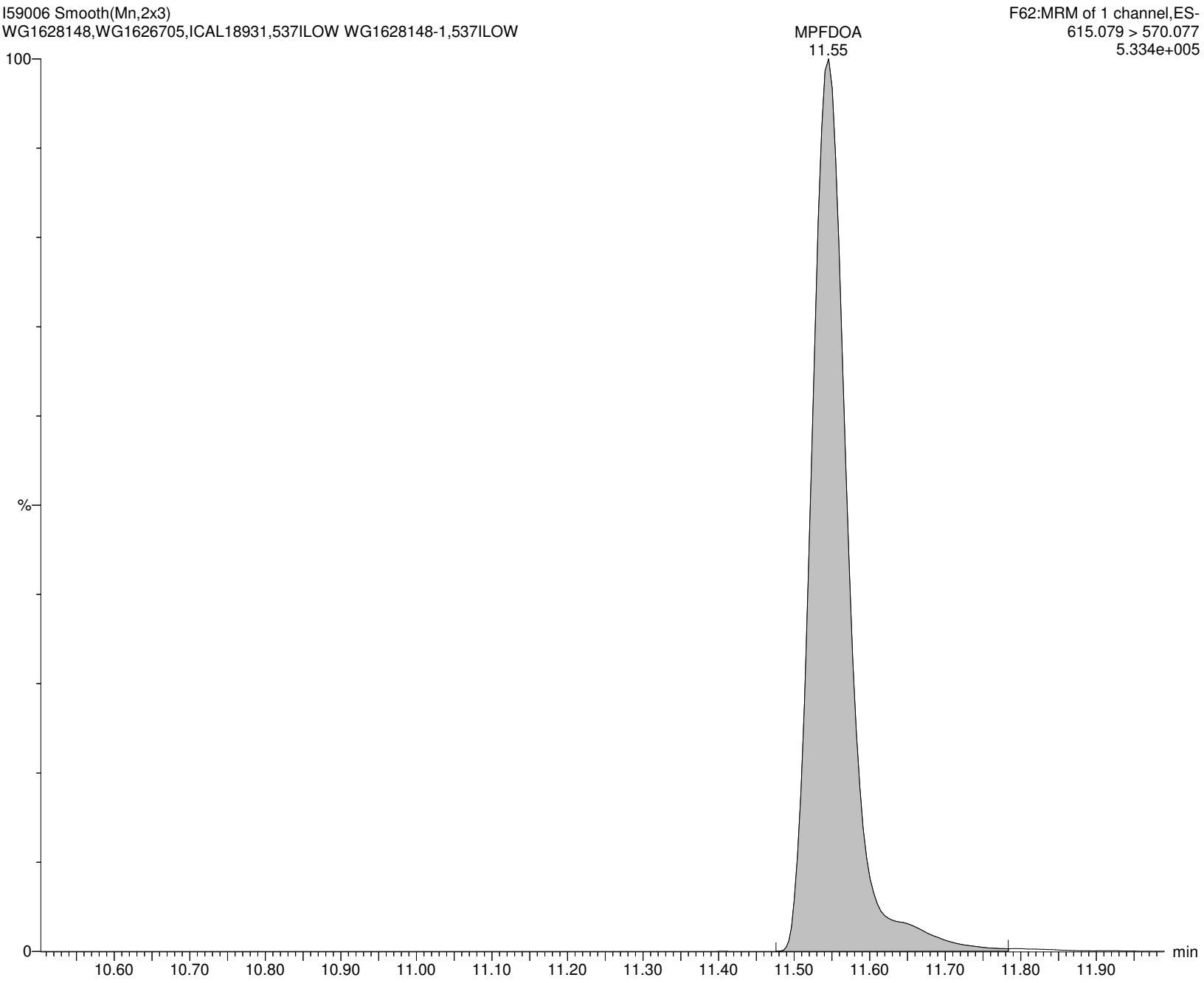


all concentration units in (ng/mL)

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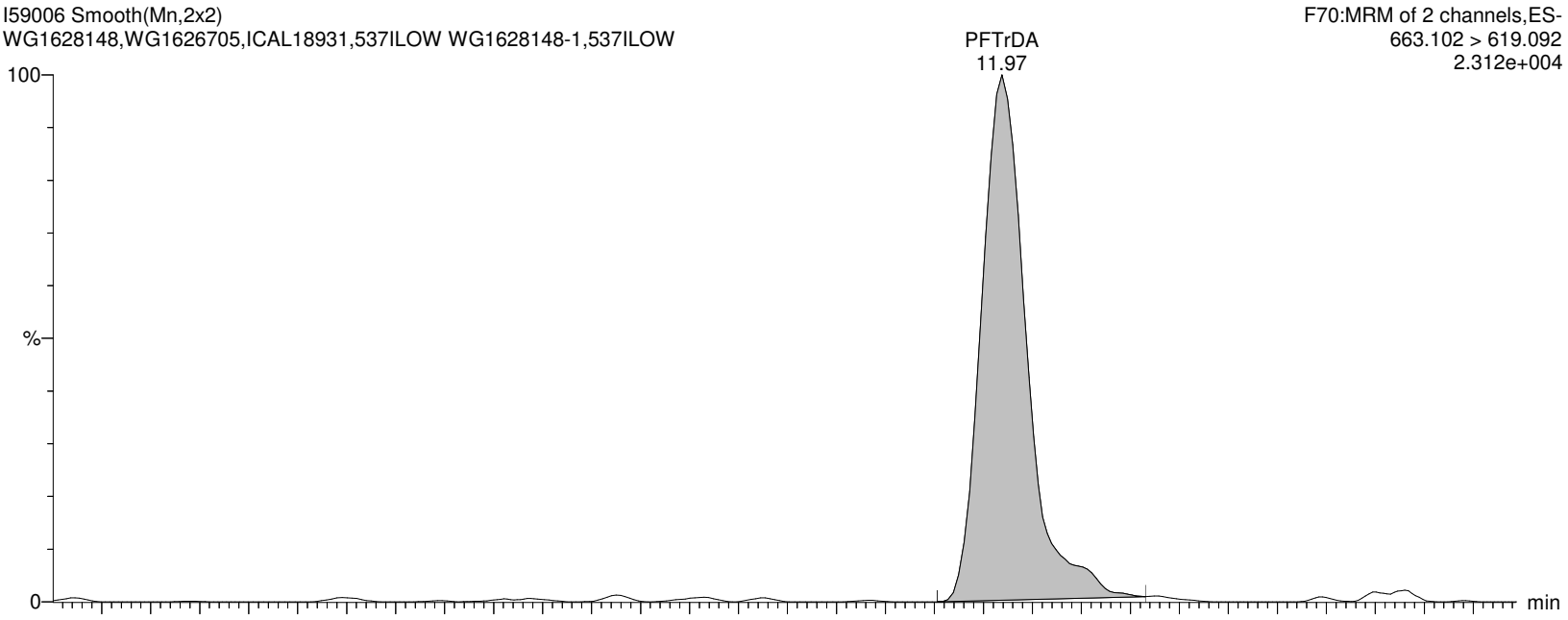


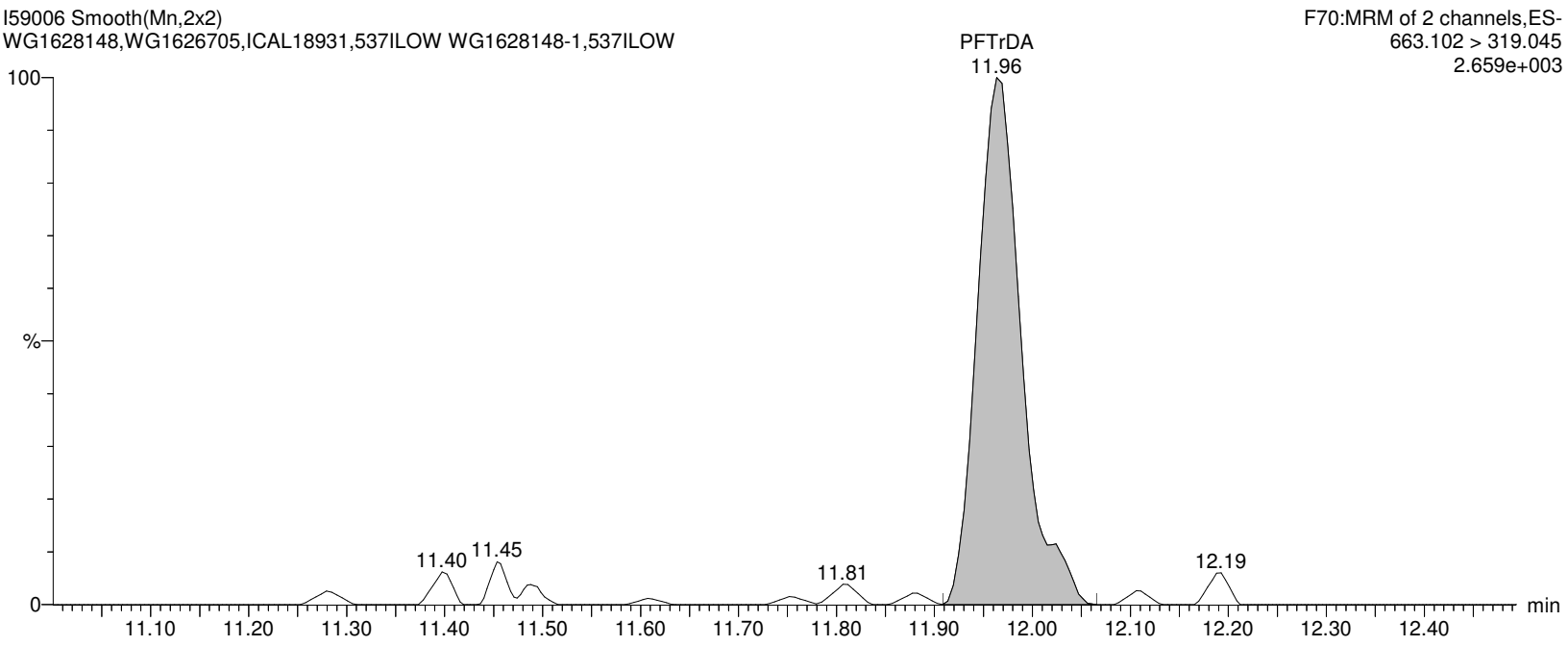
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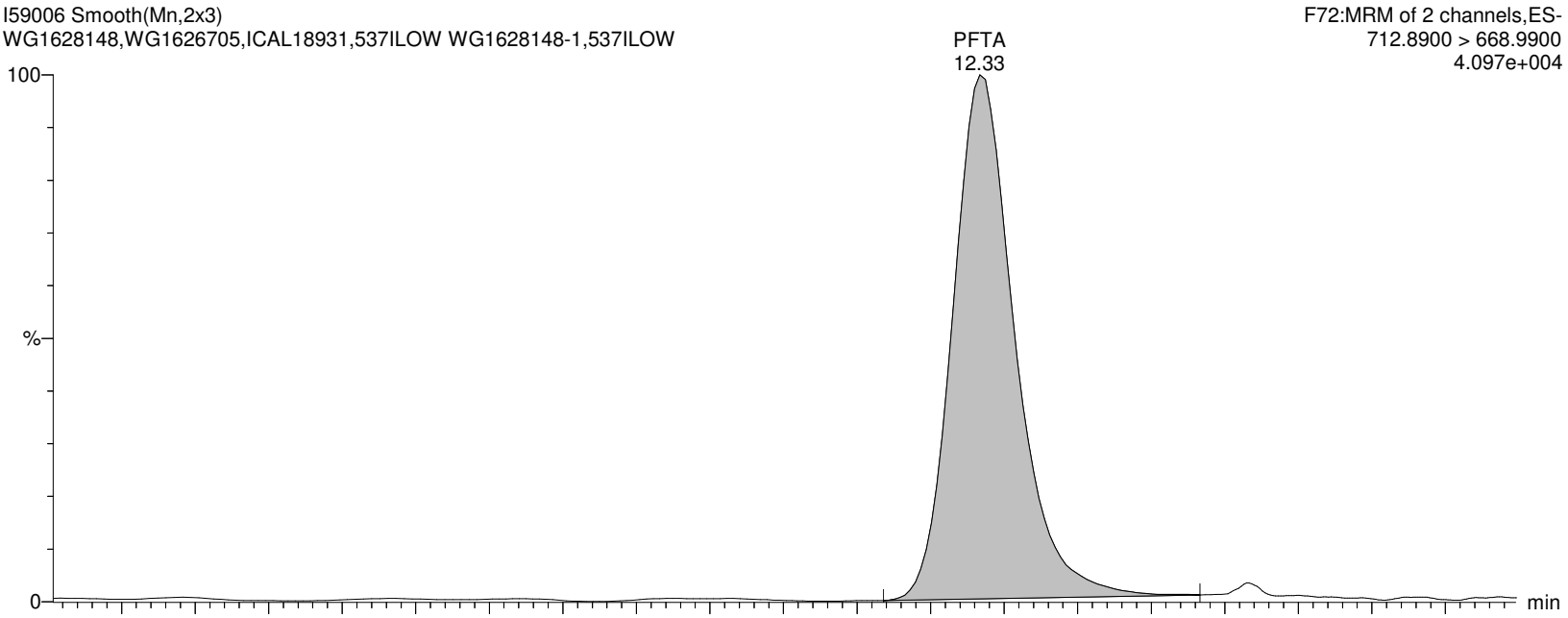


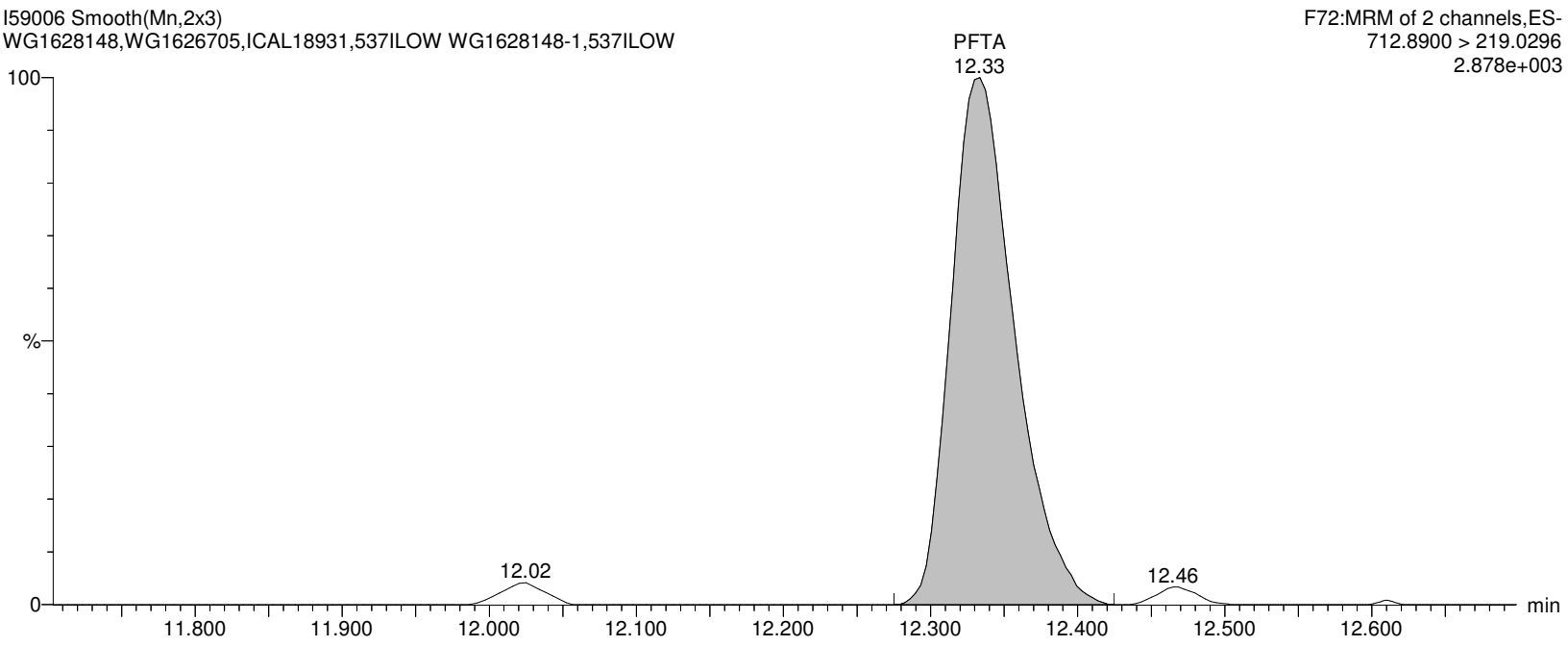
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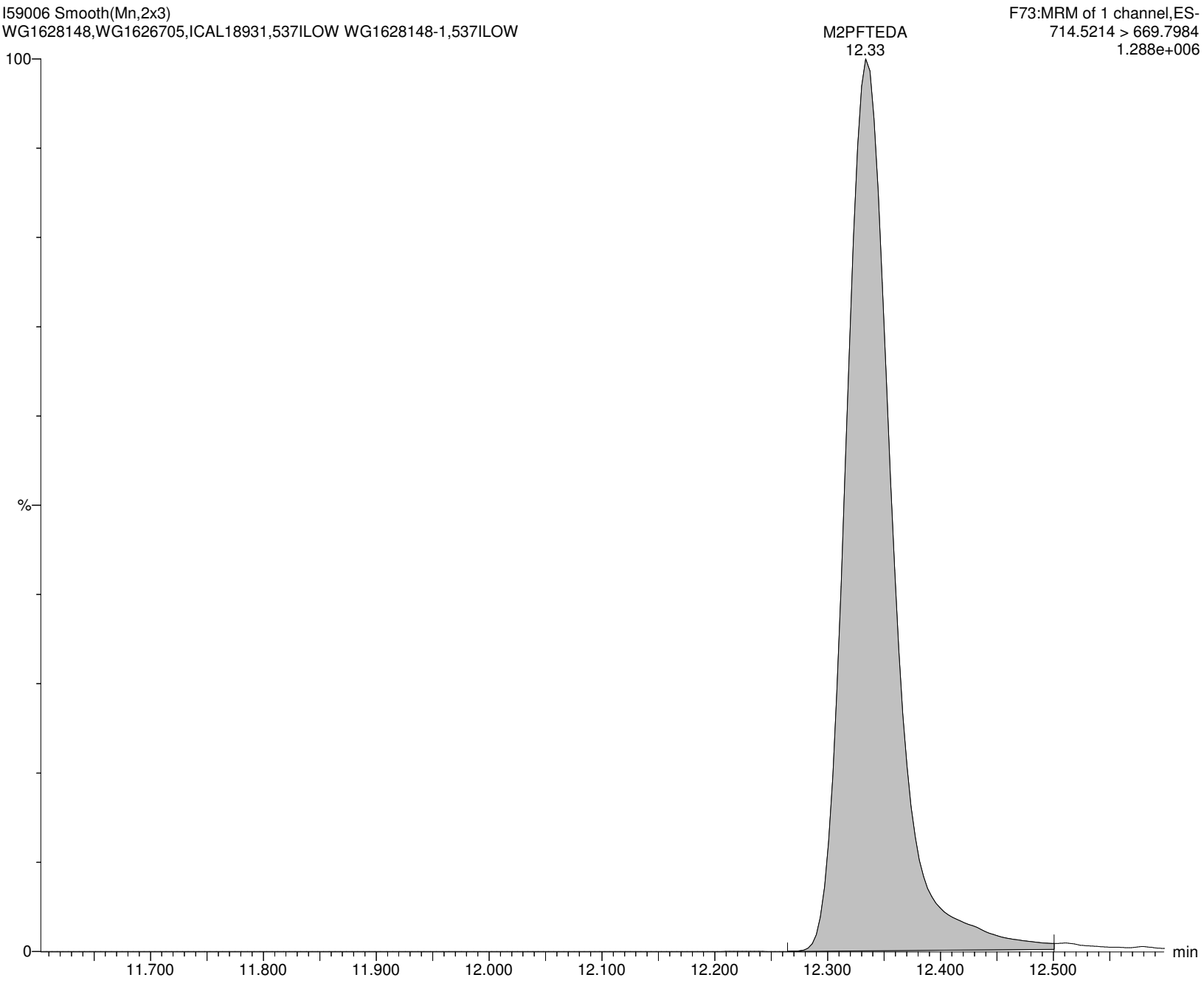


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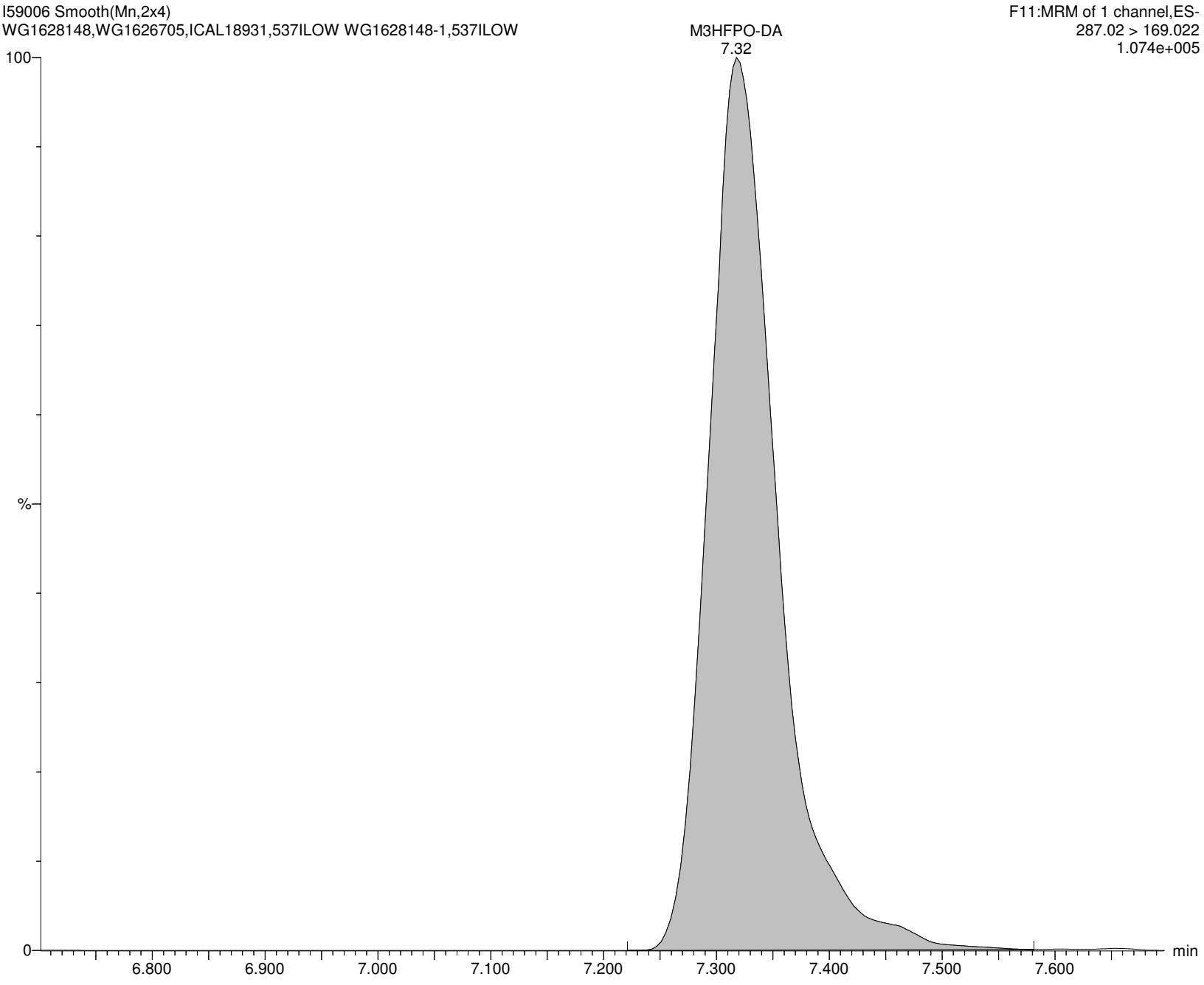


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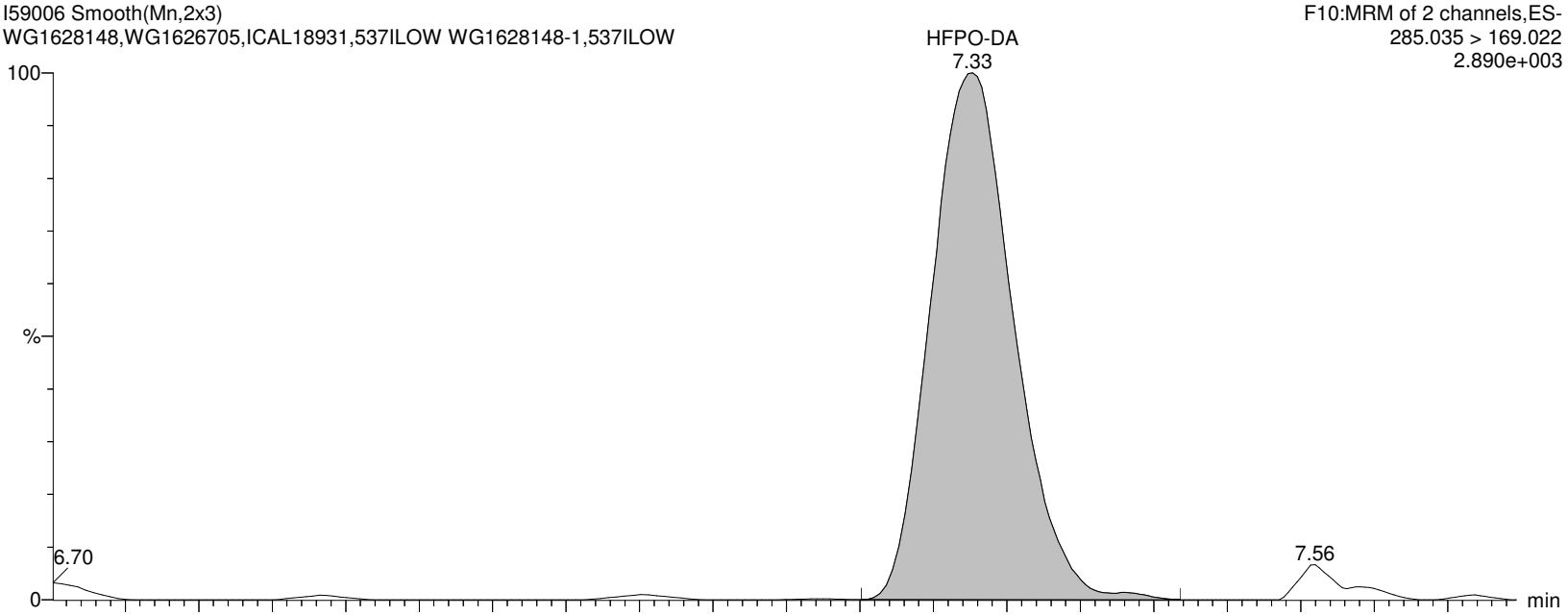


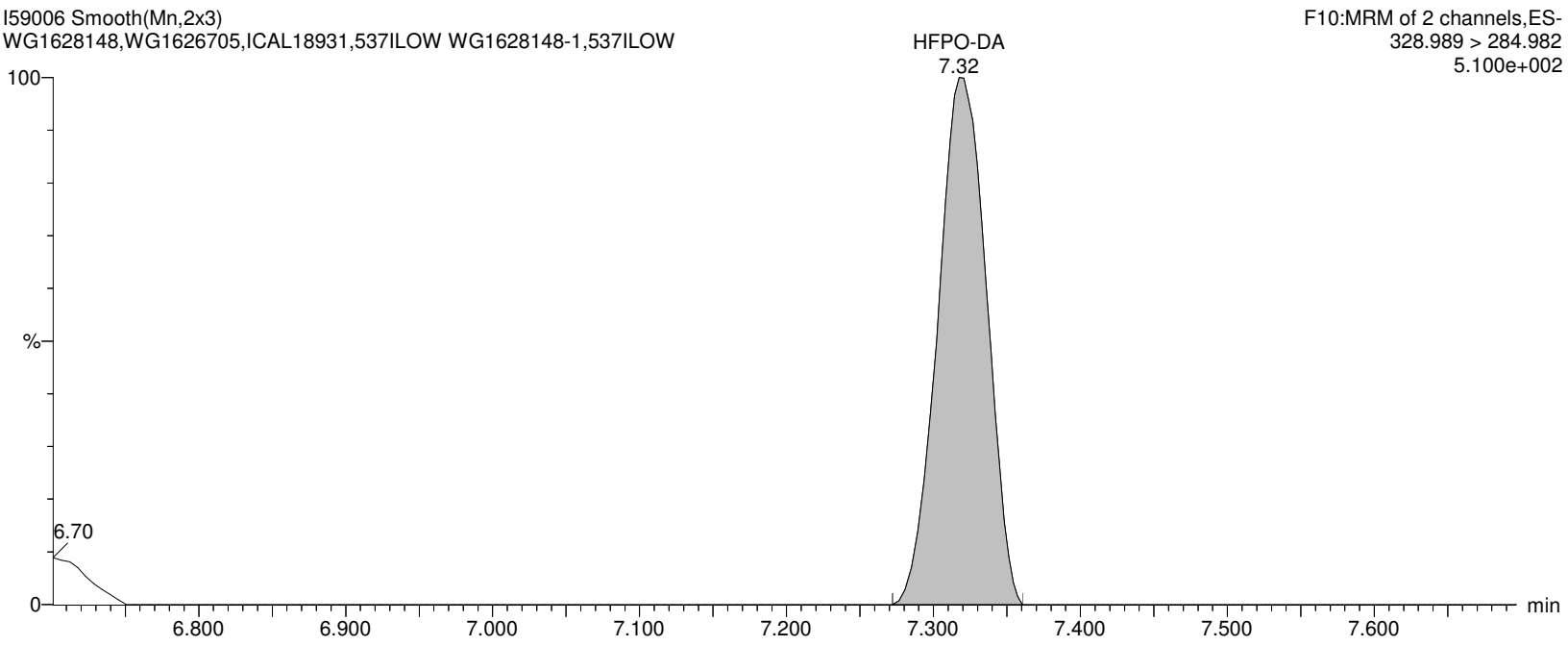
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HFPO-DA



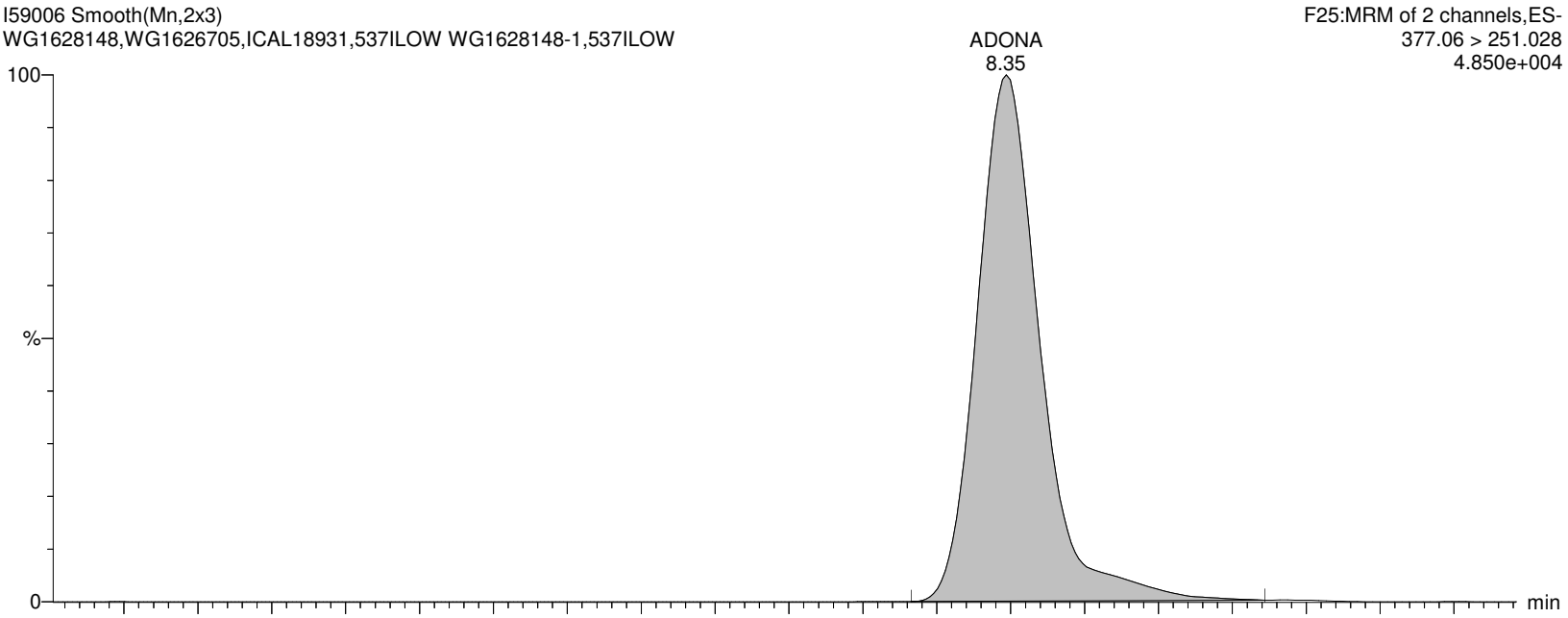


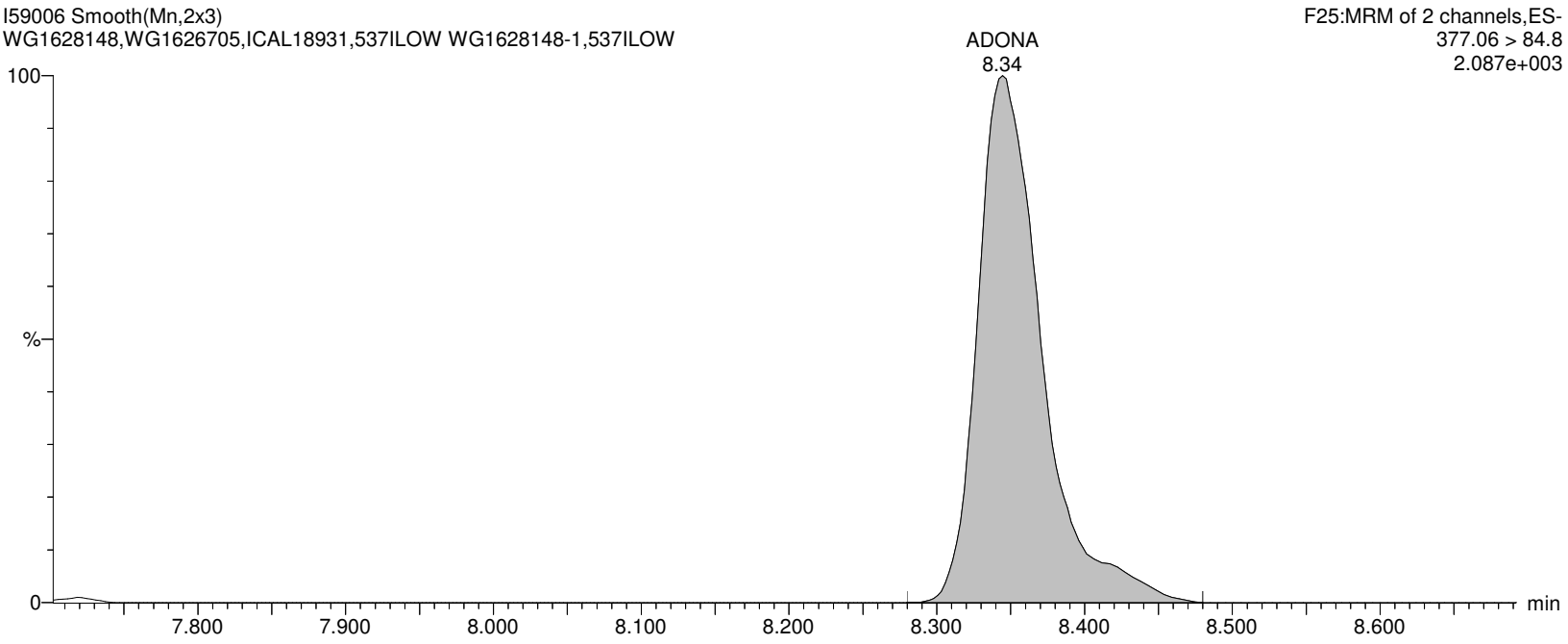
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ADONA



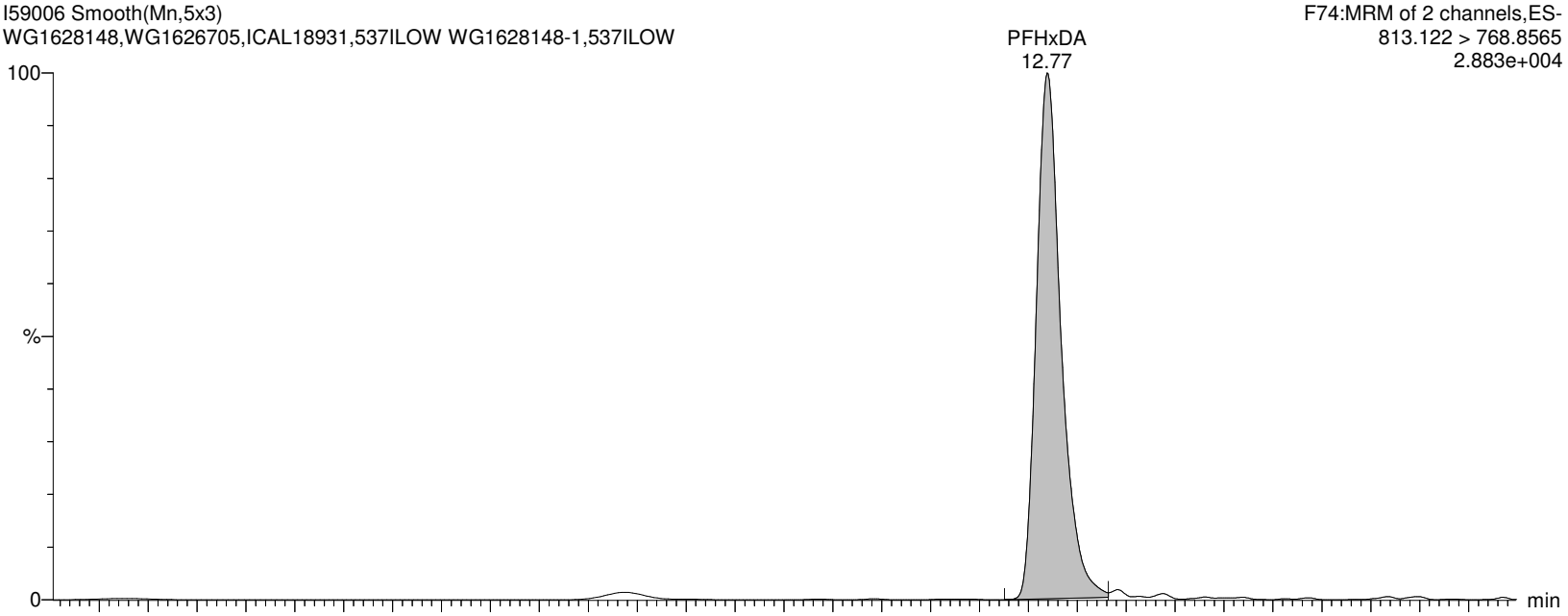


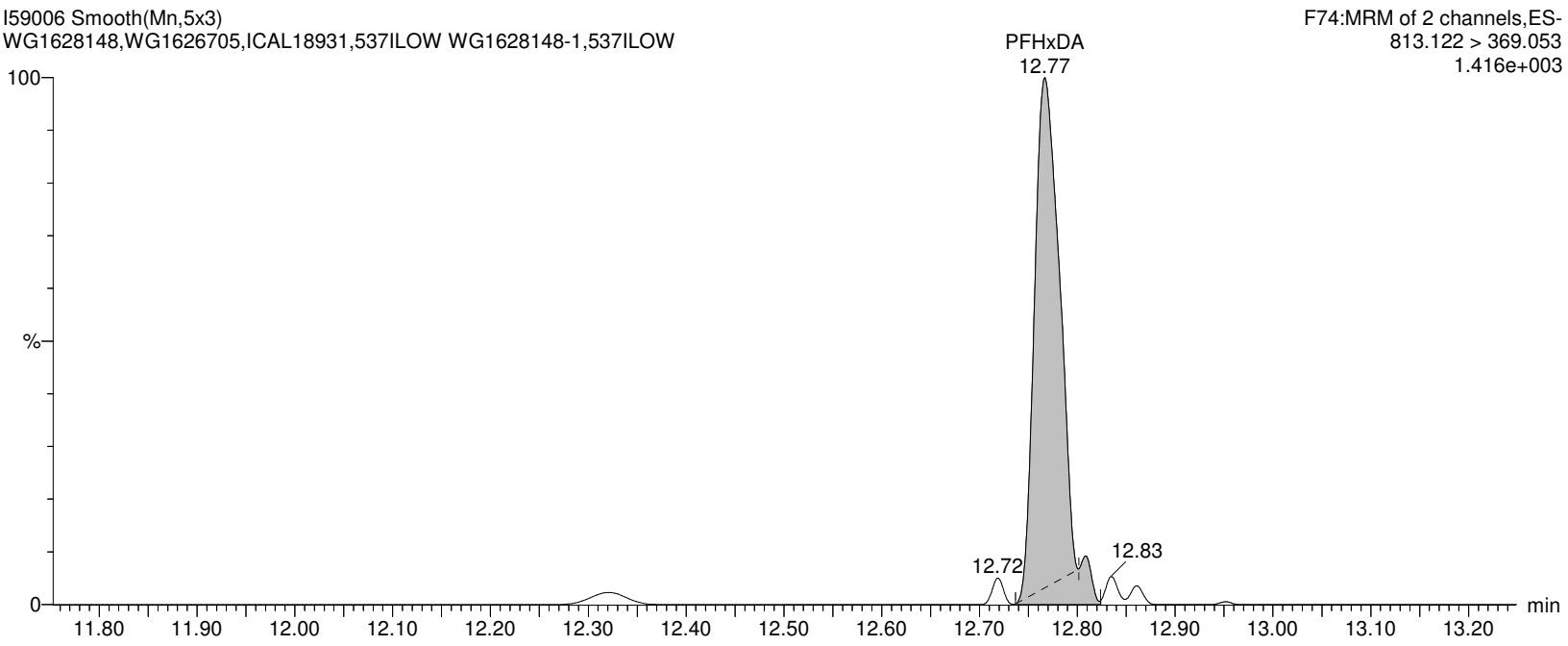
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 02:01:02 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:56:52 Eastern Daylight Time

Name: I59006
ID: WG1628148-1,537ILOW
Date: 17-Apr-2022
Time: 18:57:02
Description: WG1628148,WG1626705,ICAL18931,537ILOW
User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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PFHxDA



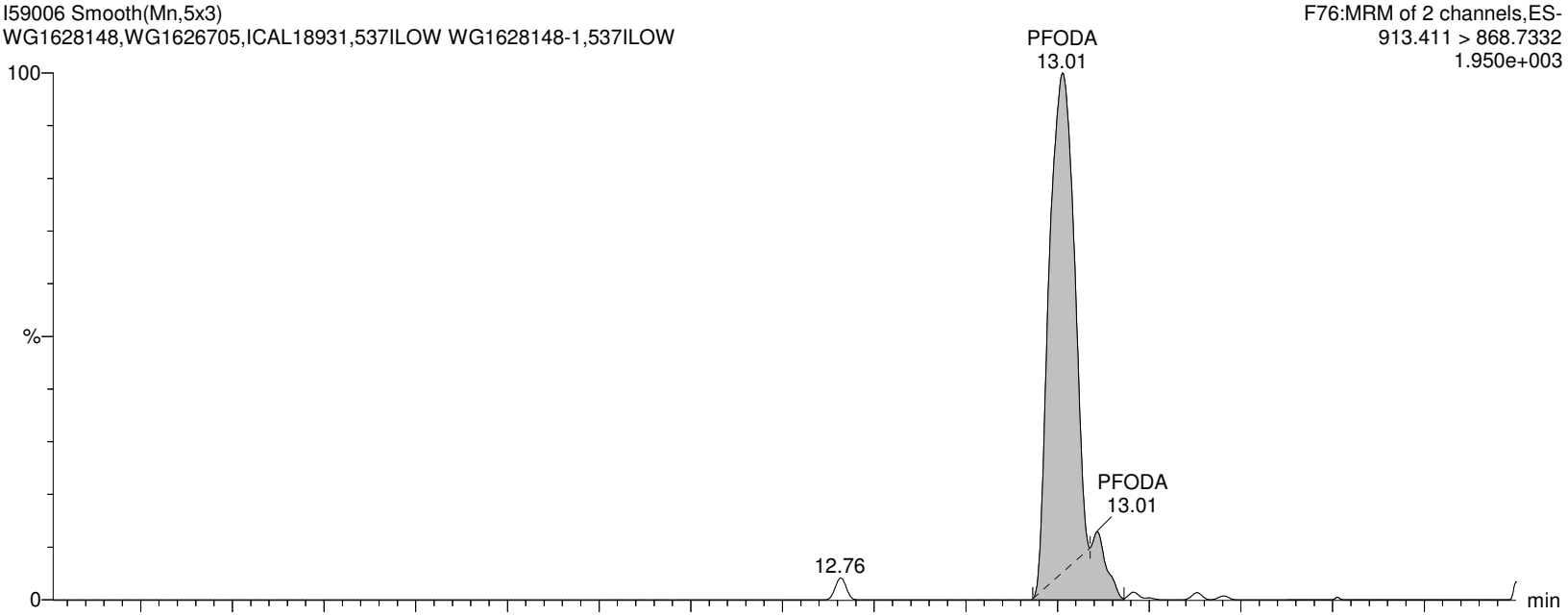


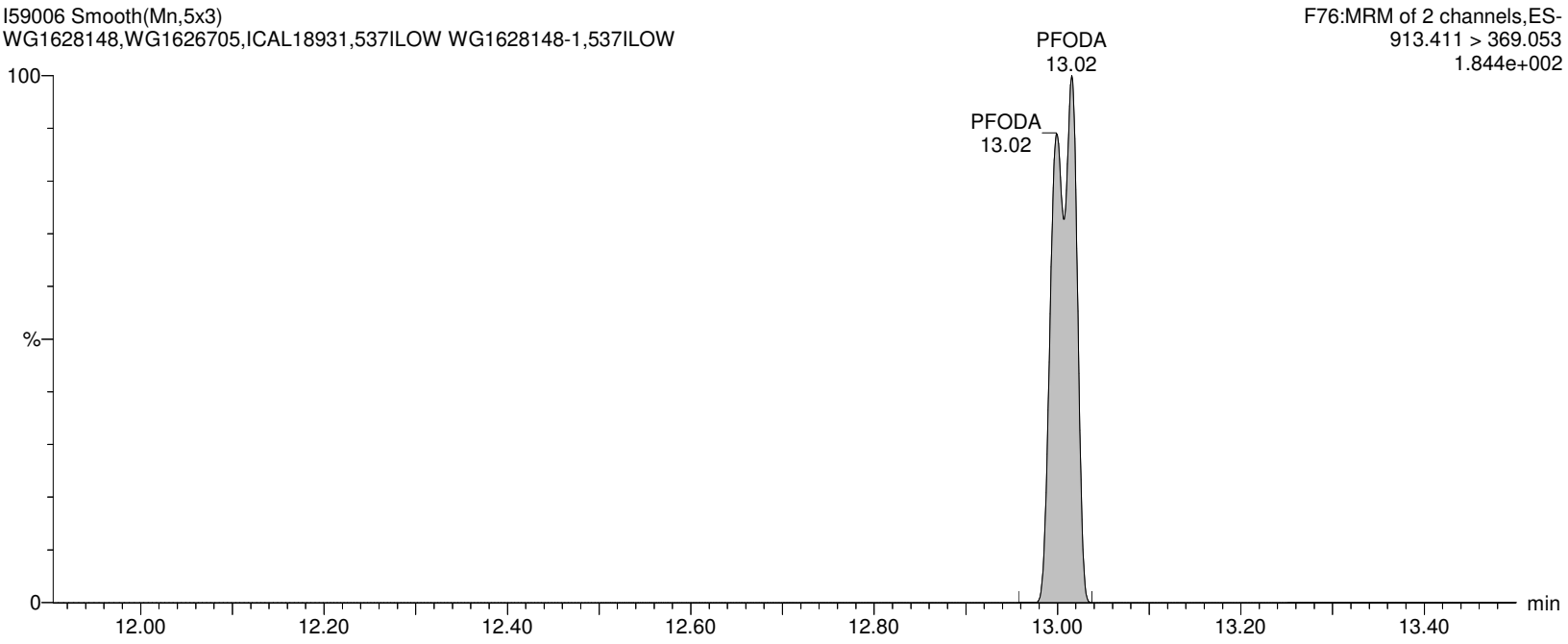
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PFODA



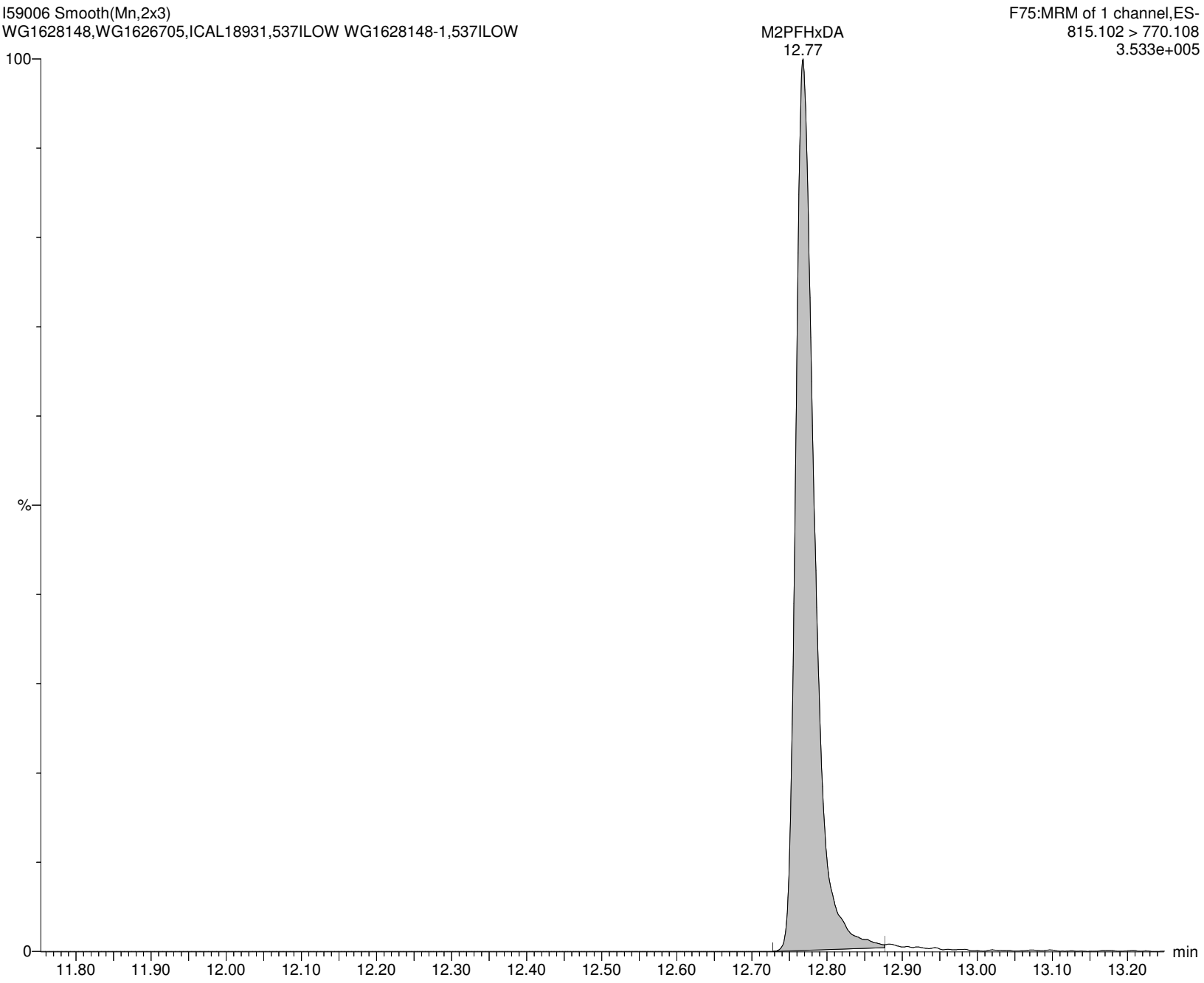


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M2PFHxDA

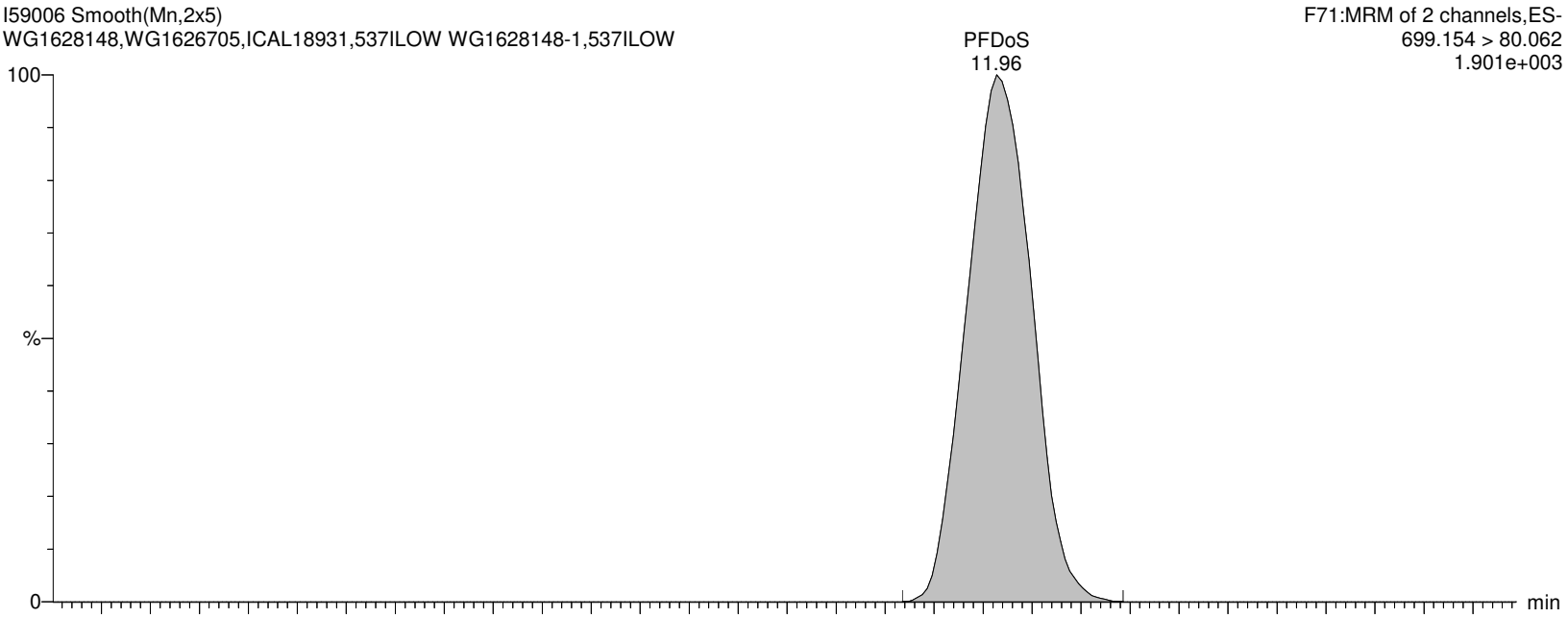


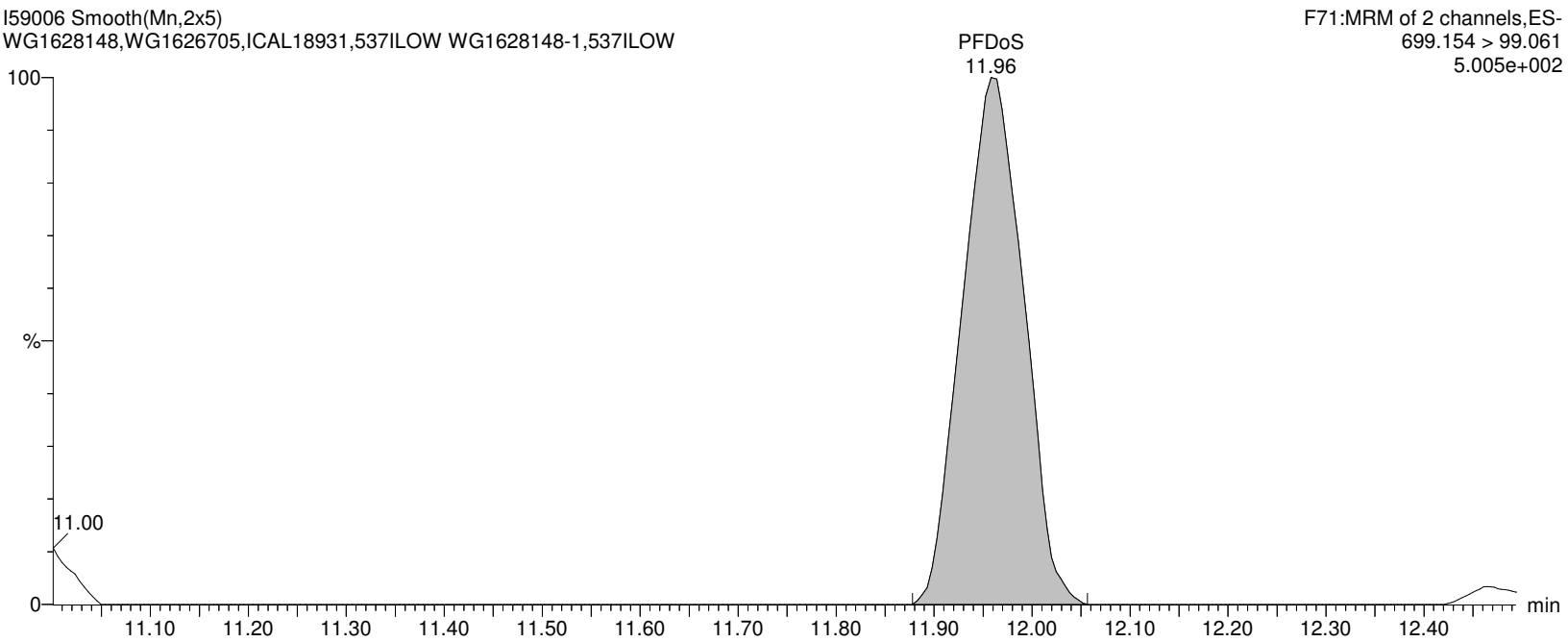
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PFDoS



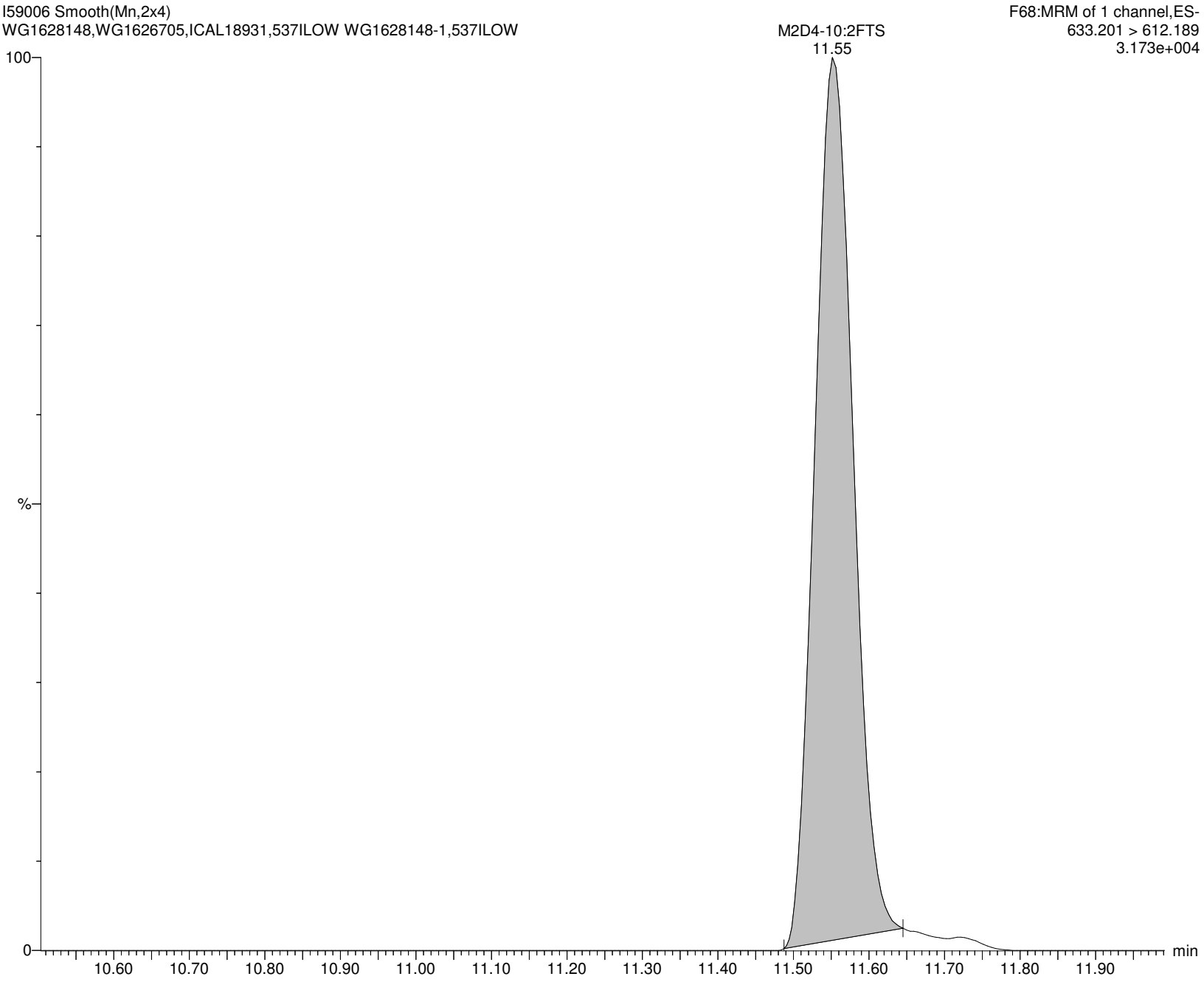


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M2D4-10:2FTS

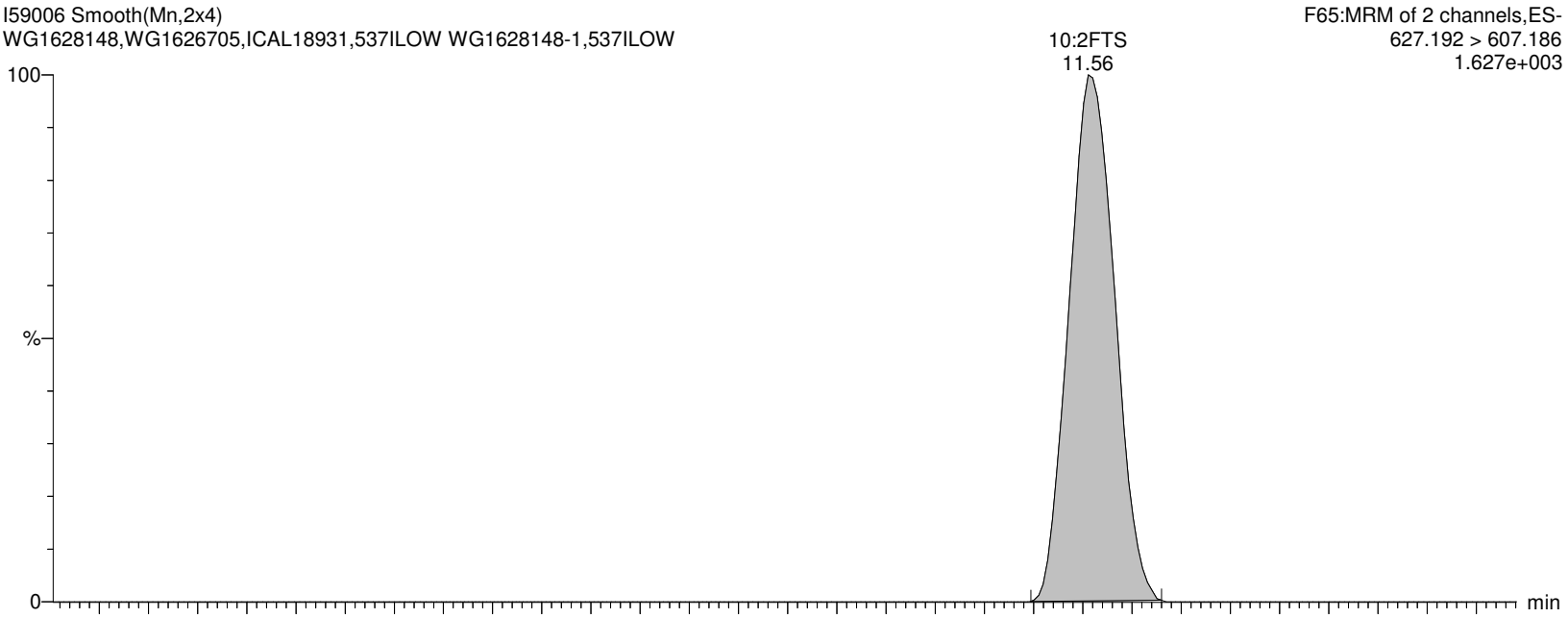


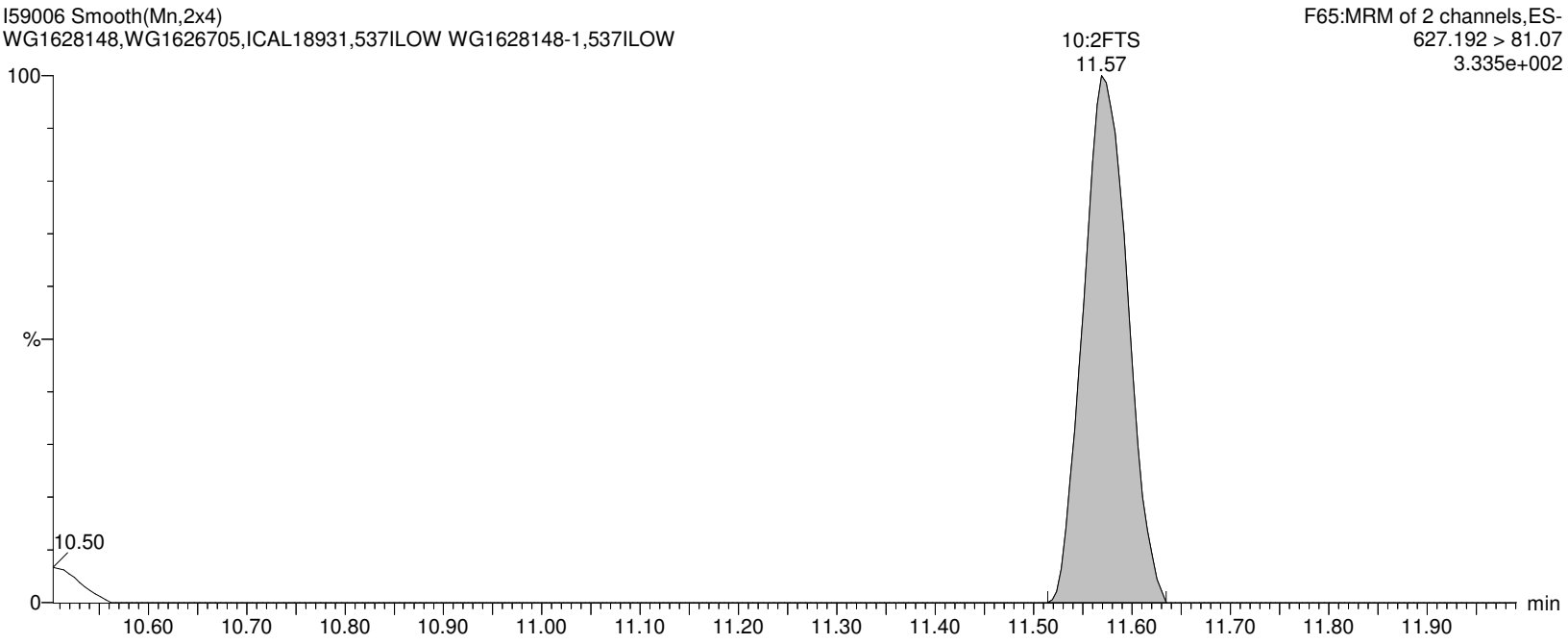
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10:2FTS



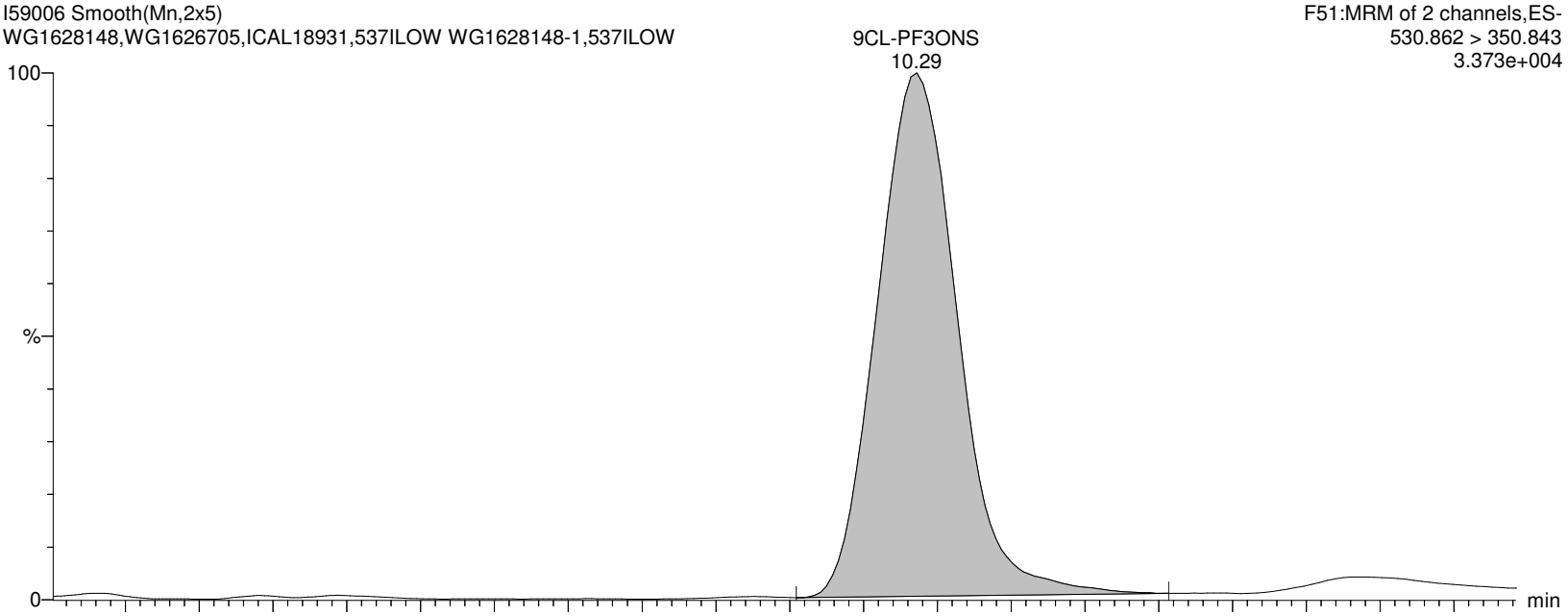


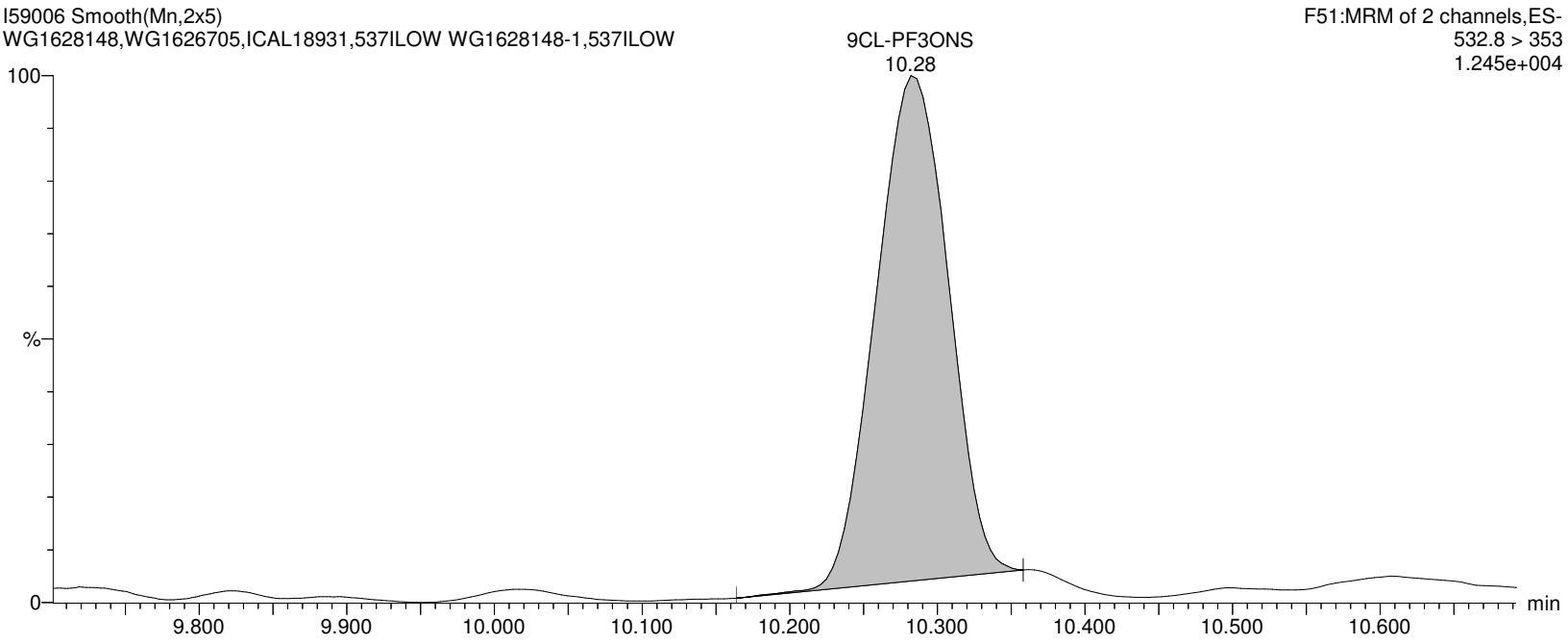
all concentration units in (ng/mL)

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9CL-PF3ONS



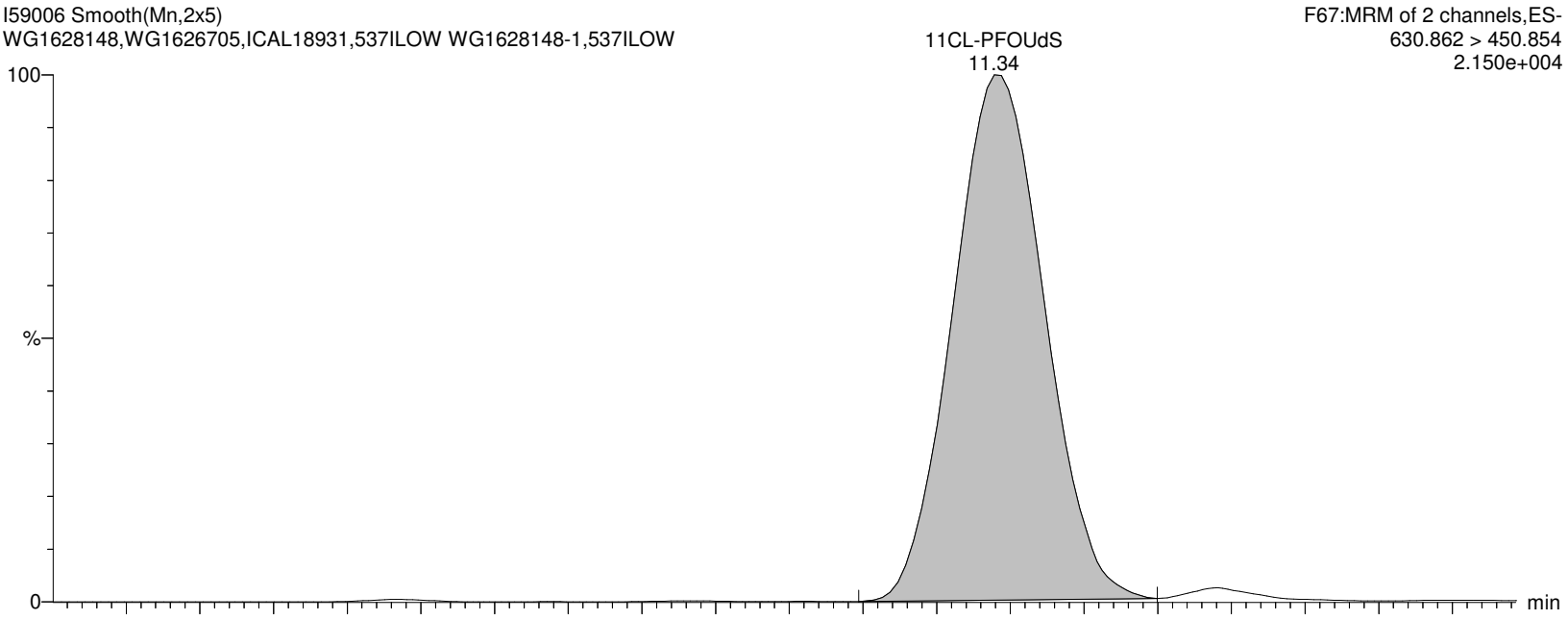


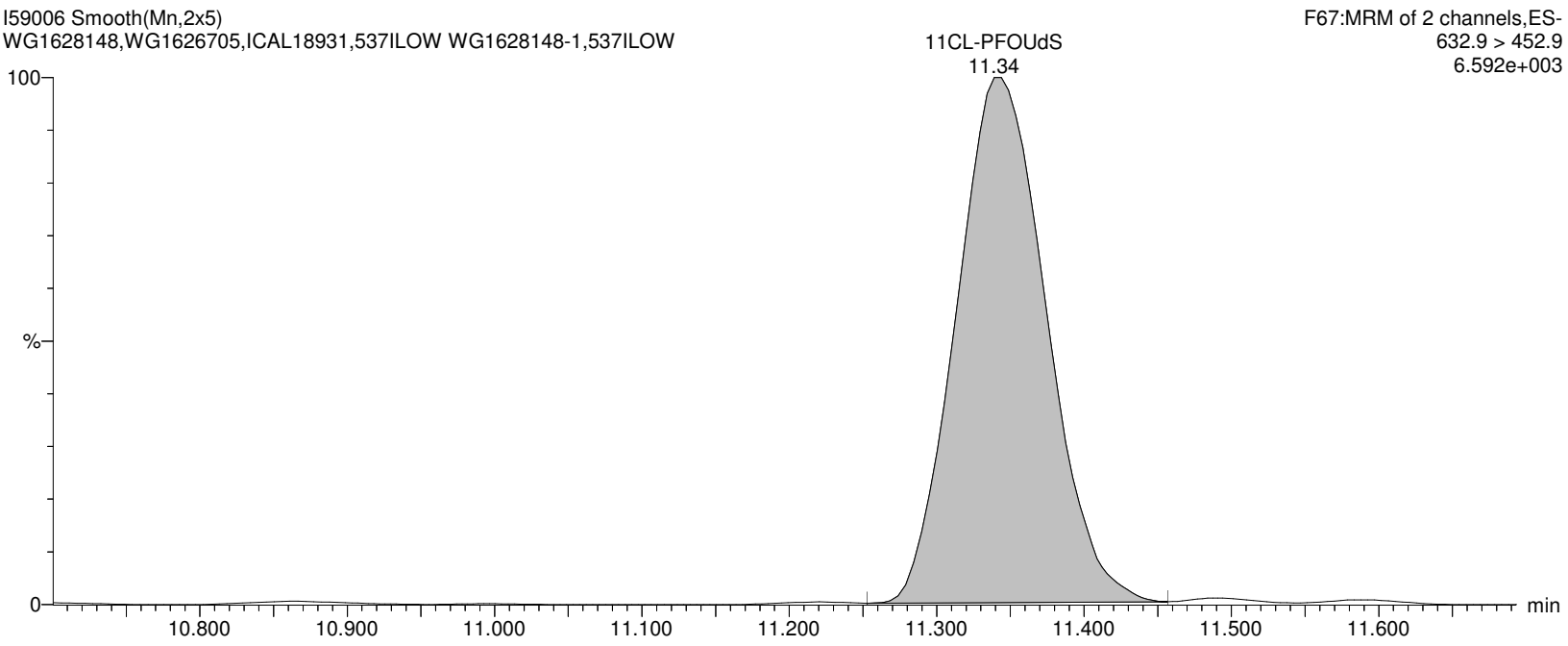
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-1.qld
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Instrument: XEVO-TQSmicro#QEB0050
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11CL-PFOUdS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:01:36 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: WG1628148-2,537IMED
Name: I59019
Date: 17-Apr-2022
Time: 22:32:16
Description: WG1628148,WG1626705,ICAL18931,537IMED
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	28027		9.504		na	95.0
2	M3PFBA	INT STD	2.12	216.009 > 171.999	30878		12.122		na	121.2
3	MPFBA	INT STD	2.12	217.001 > 171.999	34376		9.979		na	99.8
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	32154		10.232		na	102.3
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	40681		9.614		na	96.1
6	PFBS	375-73-5	5.65	299.092 > 80.062	8276		9.012	1.99	NO	101.6
7	M3PFBS	INT STD	5.65	302.069 > 80.062	8298		8.896		na	95.5
8	4:2FTS	757124-72-4	6.81	327.146 > 307.139	2894		9.062	2.32	NO	96.7
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	3047		7.319		na	78.0
10	PFHxA	307-24-4	6.88	313.047 > 269.037	50076		9.806	16.16	NO	98.1
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	52525		9.323		na	93.2
12	PFPeS	2706-91-4	7.21	349.1 > 80.062	8072		9.487	2.32	NO	100.8
13	PFHpA	375-85-9	8.16	363.055 > 319.045	62538		9.457	6.04	NO	94.6
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	65742		9.751		na	97.5
15	br-PFHxS	355-46-4	8.09	399.107 > 80.062	1196	M5,M7	1.852	2.56	NO	98.0
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	5520		7.493	1.67	NO	92.4
17	PFHxS	355-46-4		399.107 > 80.062	6716		9.344		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	7907		9.040		na	95.4
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	85200		9.491	9.06	NO	94.9
21	PFOA	335-67-1		412.8430 > 368.9430	85200		9.491		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	91196		10.027		na	100.3
23	M2PFOA	INT STD	9.11	414.828 > 369.935	84084		12.894		na	128.9
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	2526		9.421	3.50	NO	99.1
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2650		7.080		na	74.5
26	PFHpS	375-92-8	9.21	449.115 > 80.062	5131		8.965	1.27	NO	94.1
27	PFNA	375-95-1	9.87	462.8510 > 418.951	70546		9.702	3.63	NO	97.0
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	85383		10.052		na	100.5
29	br-PFOS	1763-23-1	9.73	498.9030 > 79.9520	2643	M5,M7	2.084	3.96	NO	98.7
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	7521		7.633	1.78	NO	96.7
31	PFOS	1763-23-1		498.9030 > 79.9520	10164		9.717		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	8896		13.637		na	136.4
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	10997		9.610		na	100.2
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	77548		9.835	6.37	NO	98.4
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	70993		13.225		na	132.3
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	84494		9.977		na	99.8
37	8:2FTS	39108-34-4	10.50	526.6490 > 506.7500	4031		11.783	3.08	NO	122.7
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1711		6.859		na	71.4
39	PFNS	68259-12-1	10.53	549.131 > 80.062	4760		9.186	1.61	NO	95.5

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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	3013		8.597		na	86.0
41	br-NMeFOSAA		10.73	570.202 > 419.061	374	M5,M7	2.746	0.77	NO	114.4
42	L-NMeFOSAA		10.89	570.202 > 419.061	2941		7.829	1.78	NO	103.0
43	NMeFOSAA	2355-31-9		570.202 > 419.061	3315		10.575		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	78188		10.515	11.66	NO	105.1
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	49116		9.750		na	97.5
46	PFDS	335-77-3	11.07	599.139 > 80.062	4973		9.531	1.76	NO	98.8
47	FOSA	754-91-6	10.90	498.146 > 78.07	13467		9.761	75.57	NO	97.6
48	M8FOSA	INT STD	10.90	506.077 > 78.07	19924		8.419		na	84.2
49	br-NEtFOSAA		11.03	584.229 > 419.061	192	M5,M7	2.214	0.50	NO	98.4
50	L-NEtFOSAA		11.18	584.229 > 419.061	1919		7.641	1.03	NO	98.6
51	NEtFOSAA	2991-50-6		584.229 > 419.061	2111		9.855		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	2491		8.519		na	85.2
53	PFDoA	307-55-1	11.54	613.094 > 569.084	31609		10.045	22.16	NO	100.5
54	MPFDOA	INT STD	11.54	615.079 > 570.077	28146		8.794		na	87.9
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	26850		10.008	9.75	NO	100.1
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	41953		10.062	9.43	NO	100.6
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	62490		9.244		na	92.4
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	8080		220.739		na	110.4
59	HFPO-DA	13252-13-6	7.32	285.035 > 169.022	3756		82.442	4.70	NO	82.4
60	ADONA	958445-44-8	8.34	377.06 > 251.028	47834		8.957	22.00	NO	94.8
61	PFHxDA		12.77	813.122 > 768.8565	11205		9.881	16.76	NO	98.8
62	PFODA		13.00	913.411 > 868.7332	1989		8.805	14.93	NO	88.0
63	M2PFHxDA		12.76	815.102 > 770.108	10124		8.820		na	88.2
64	PFDoS		11.95	699.154 > 80.062	2723		8.671	2.44	NO	86.7
65	M2D4-10:2FTS		11.54	633.201 > 612.189	1506		14.047		na	71.7
66	10:2FTS		11.55	627.192 > 607.186	824		8.122	1.43	NO	84.1
67	9CL-PF3ONS		10.28	530.862 > 350.843	44820		9.117	2.88	NO	97.7
68	11CL-PFOUdS		11.33	630.862 > 450.854	32949		8.361	3.27	NO	88.7

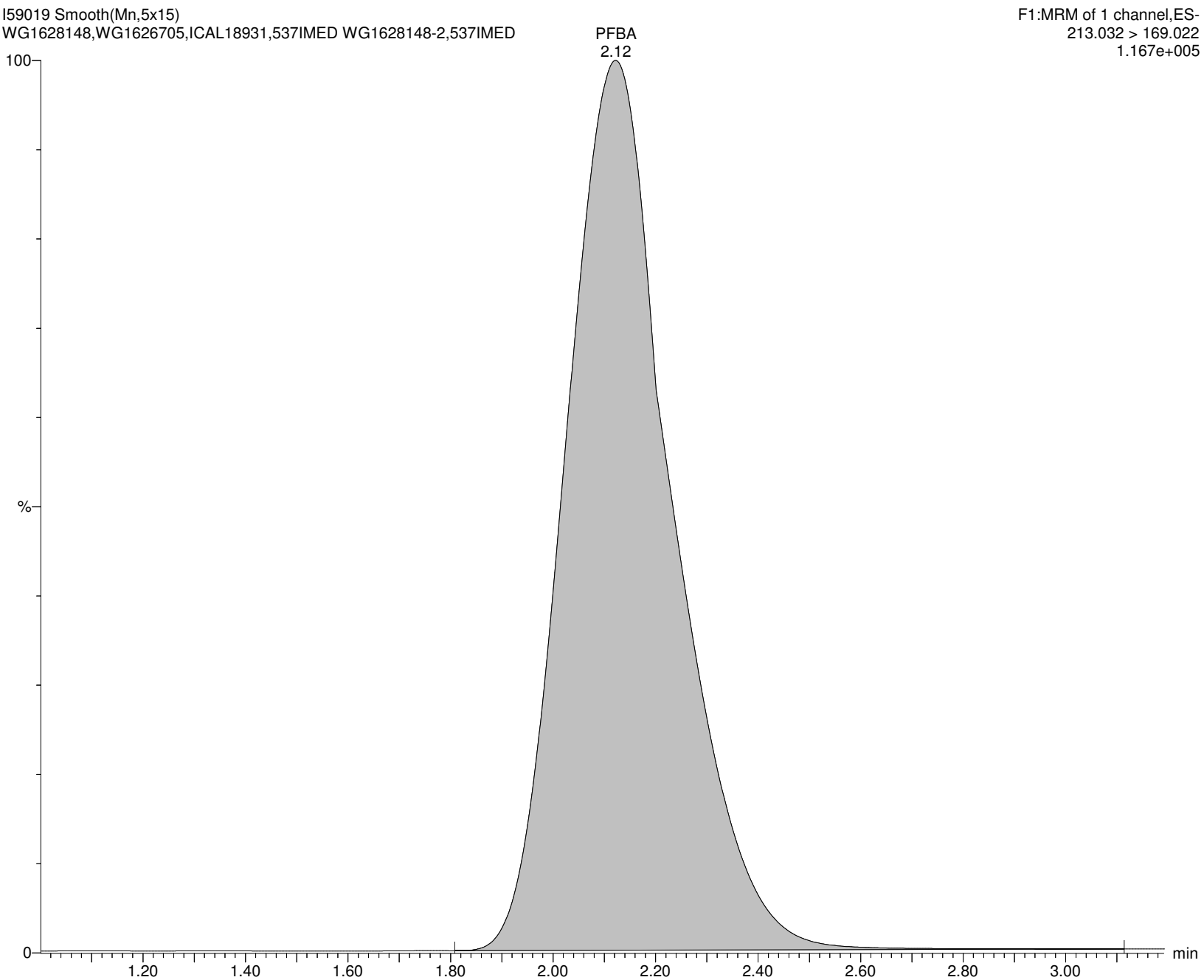
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:01:36 Eastern Daylight Time

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Date: 17-Apr-2022
Time: 22:32:16
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User: LCMS02:SG
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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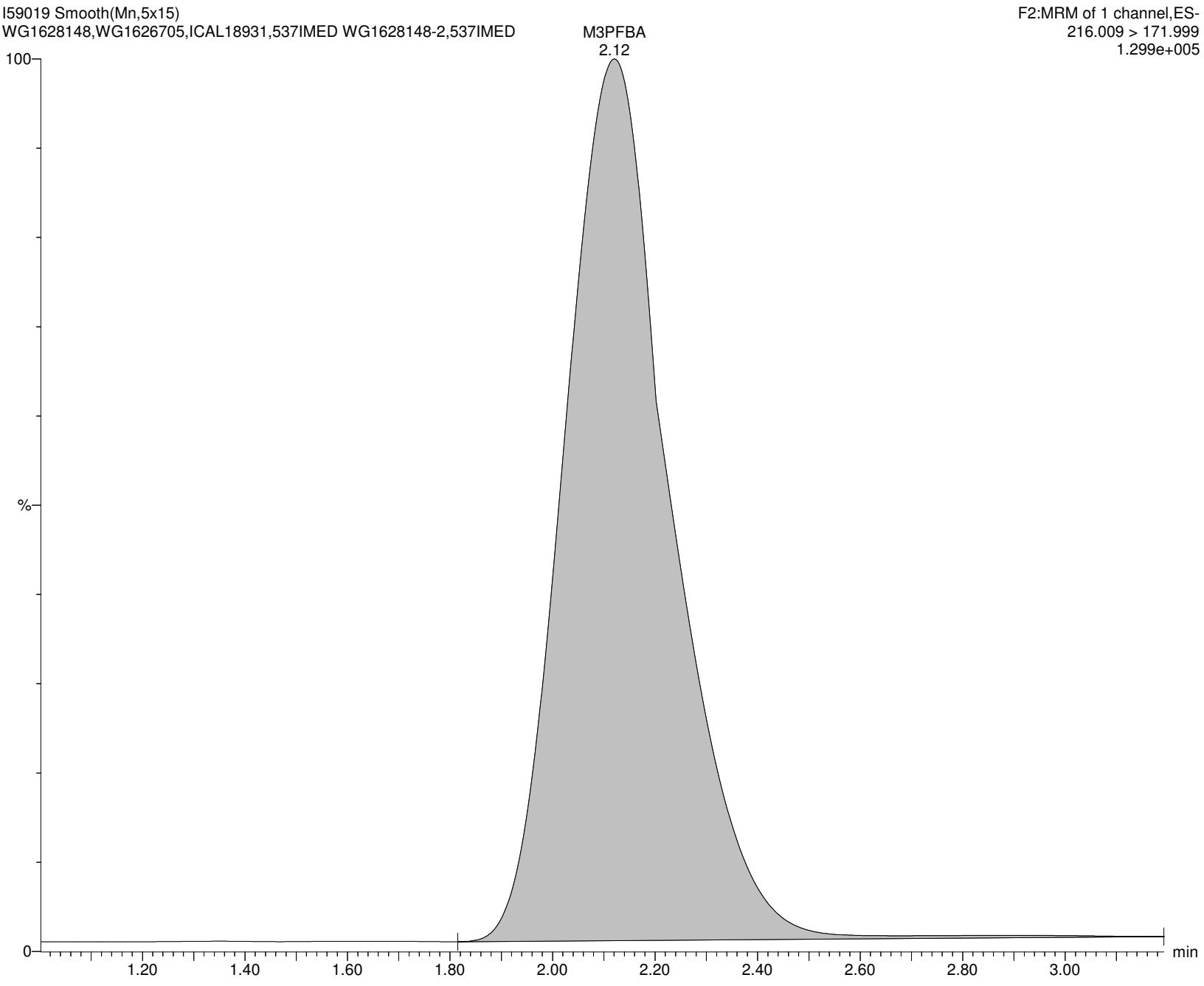


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M3PFBA

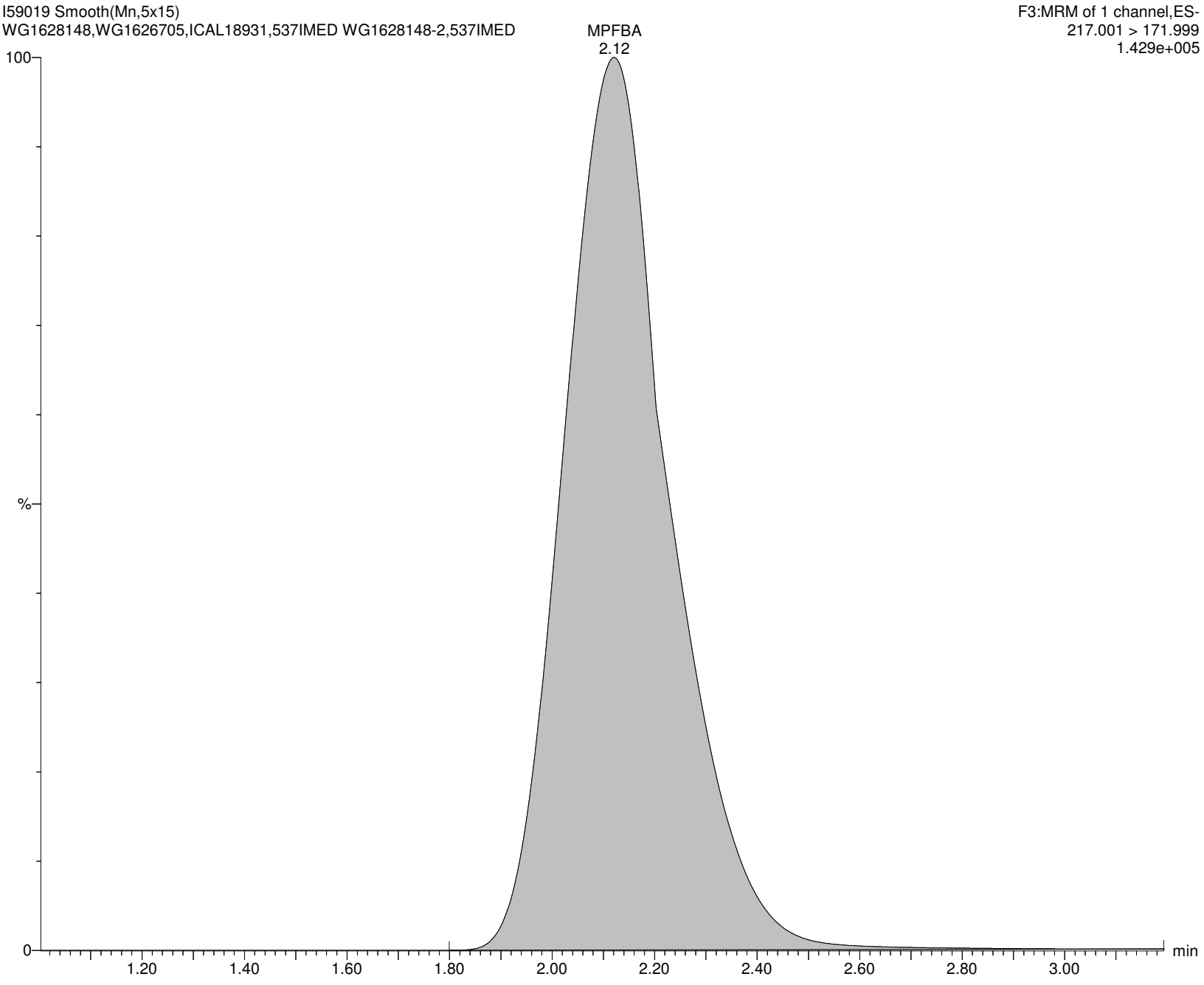


all concentration units in (ng/mL)

Alpha Analytical Inc.
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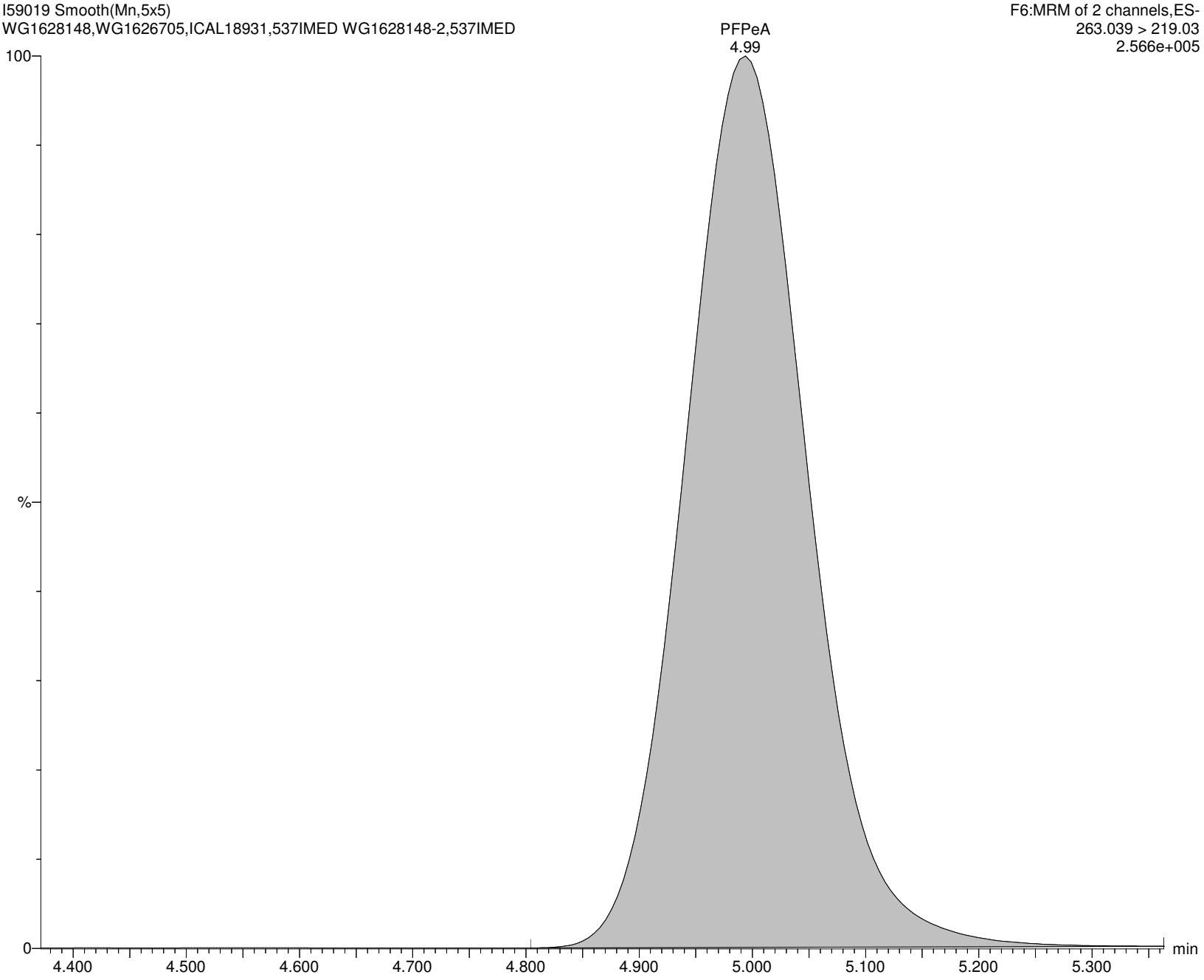


all concentration units in (ng/mL)

Alpha Analytical Inc.
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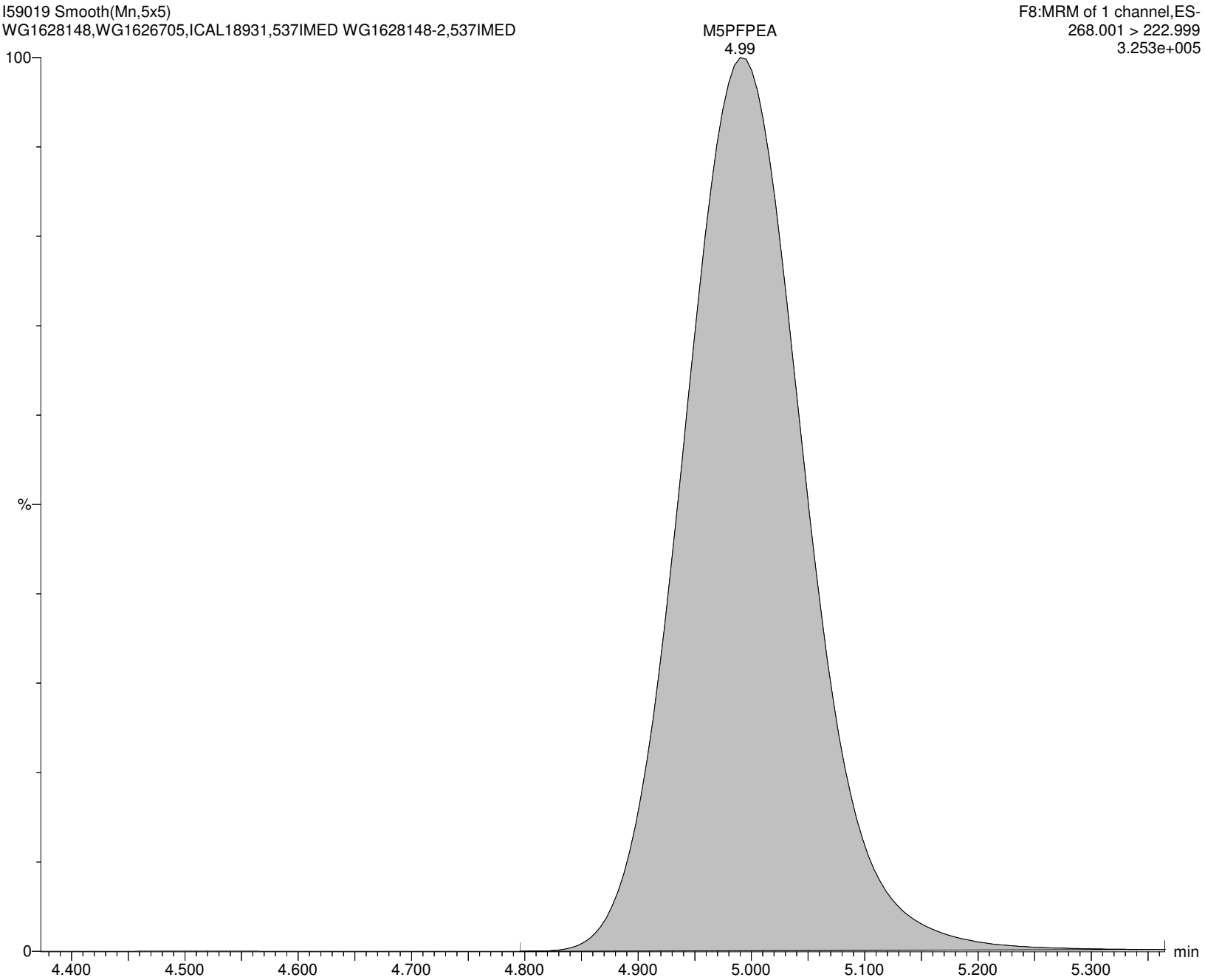


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M5PFPEA

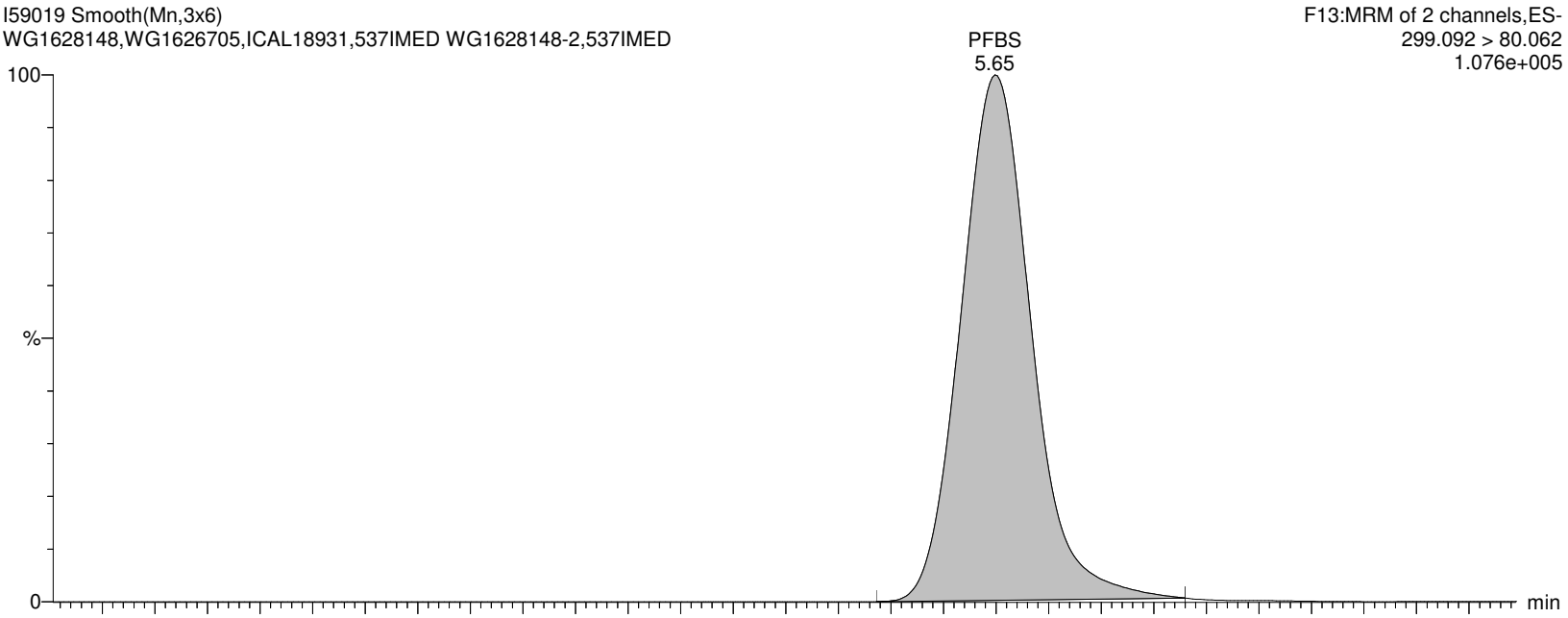


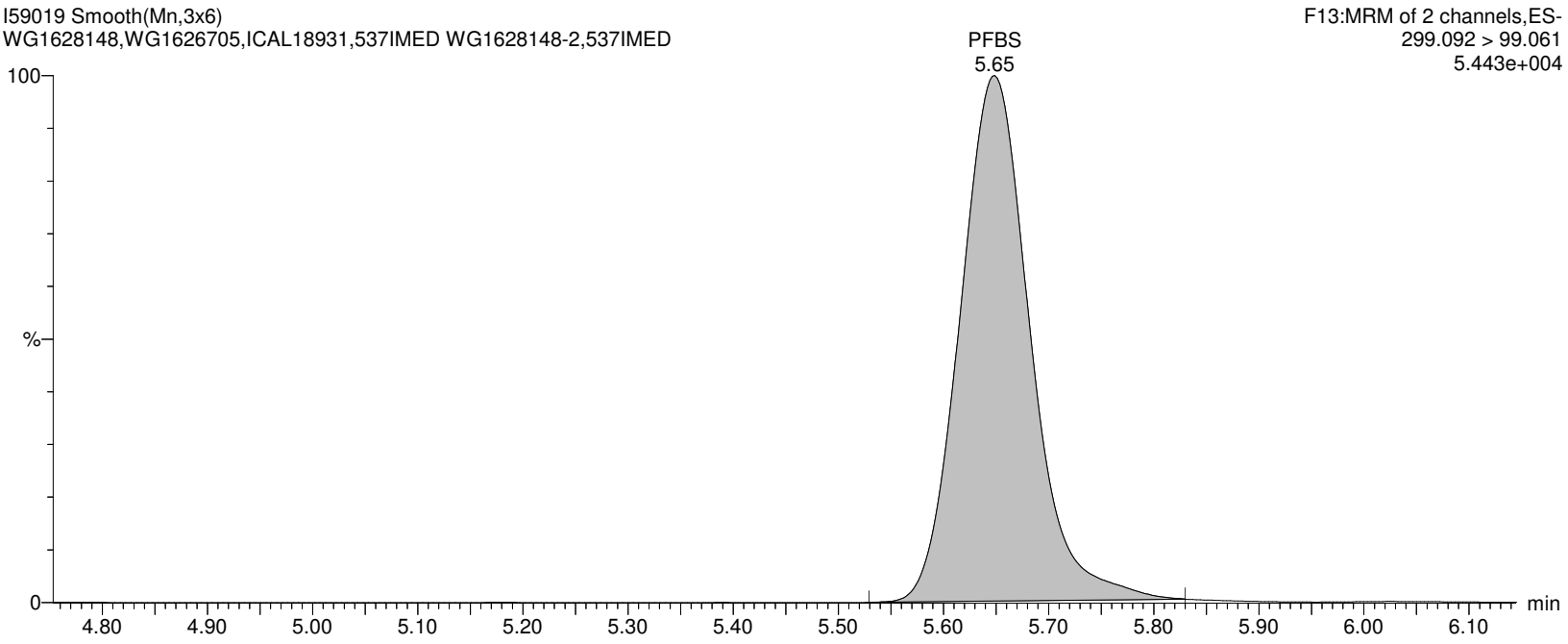
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFBS



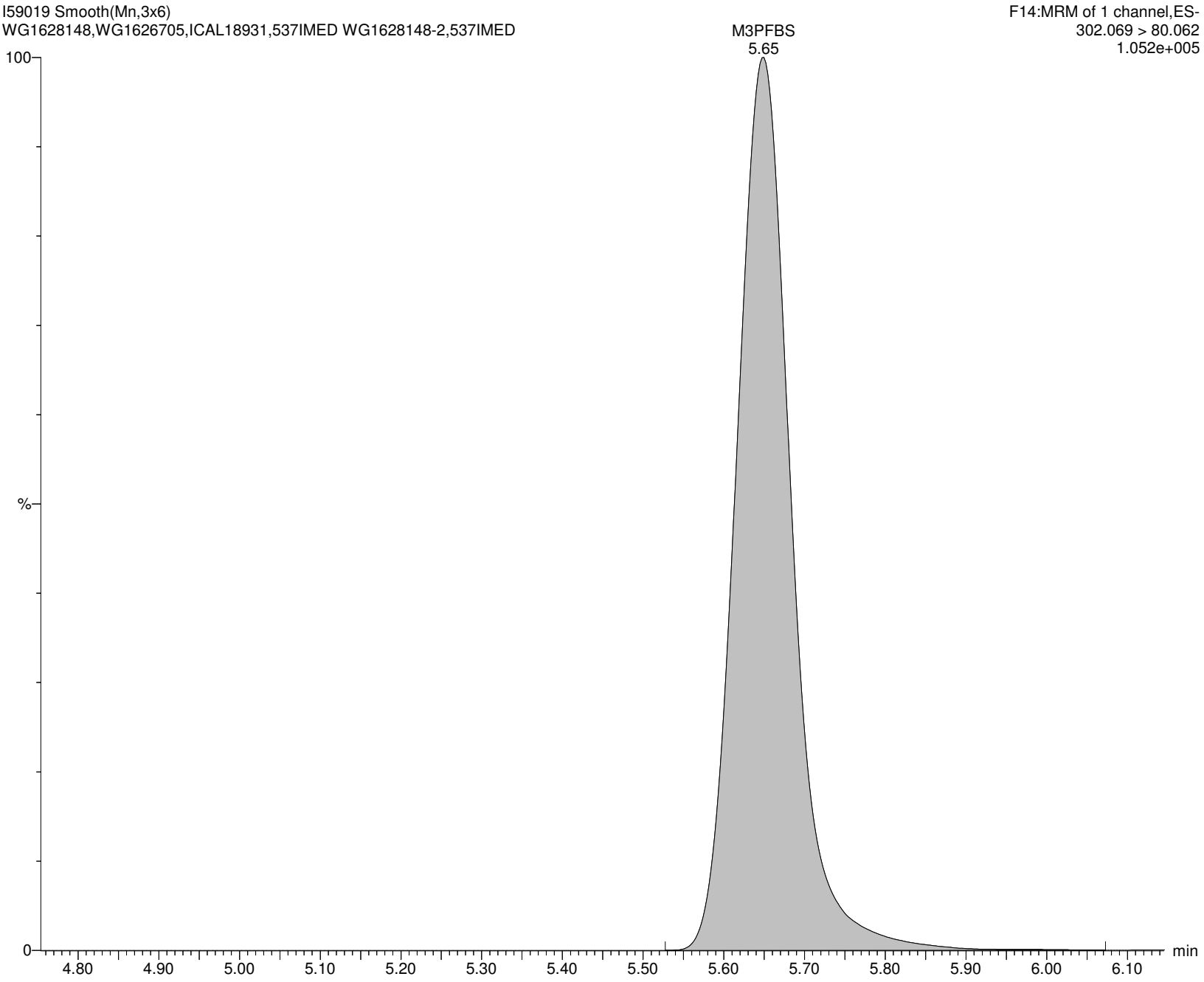


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M3PFBS

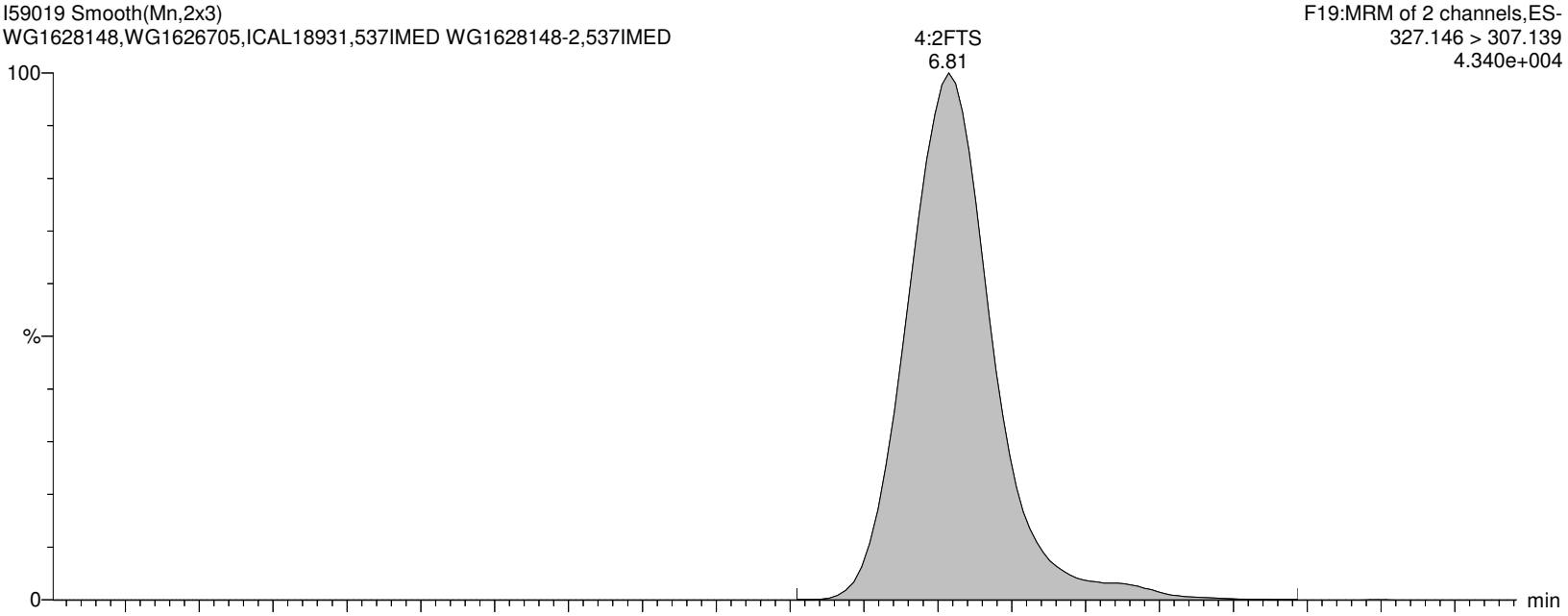


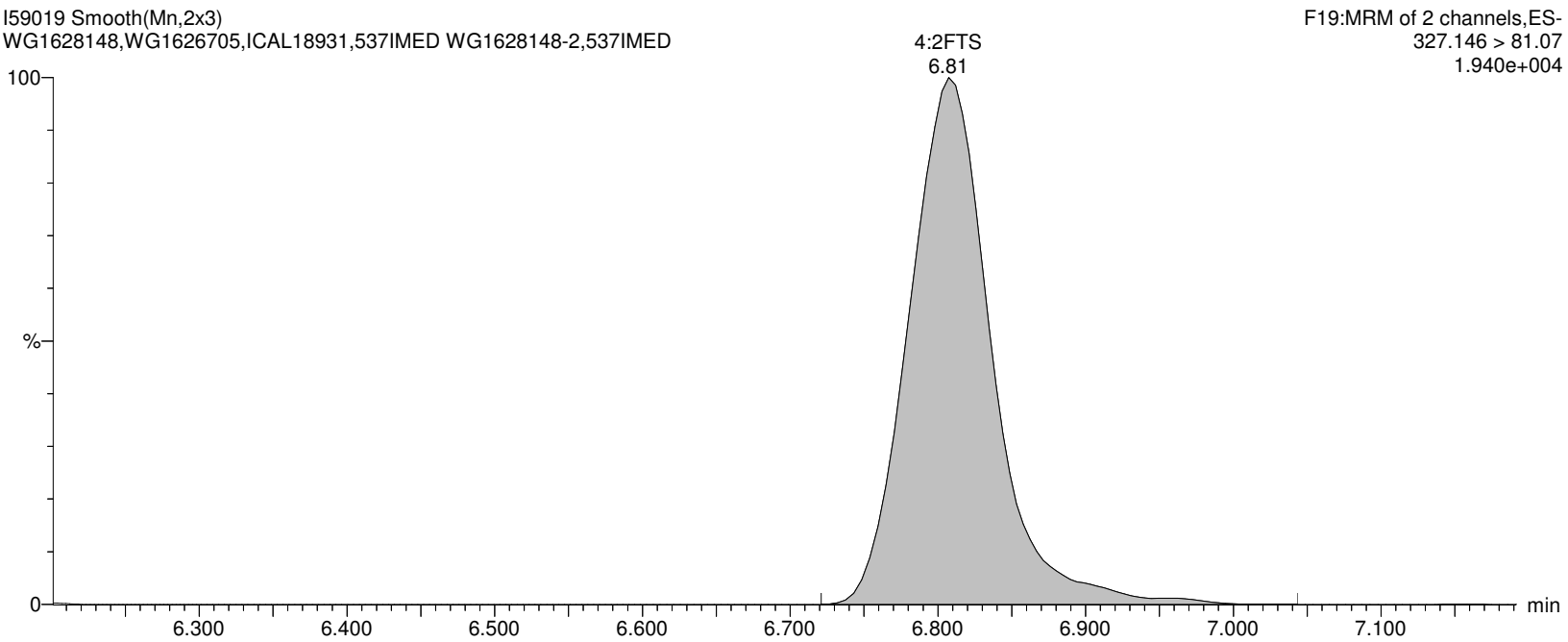
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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4:2FTS



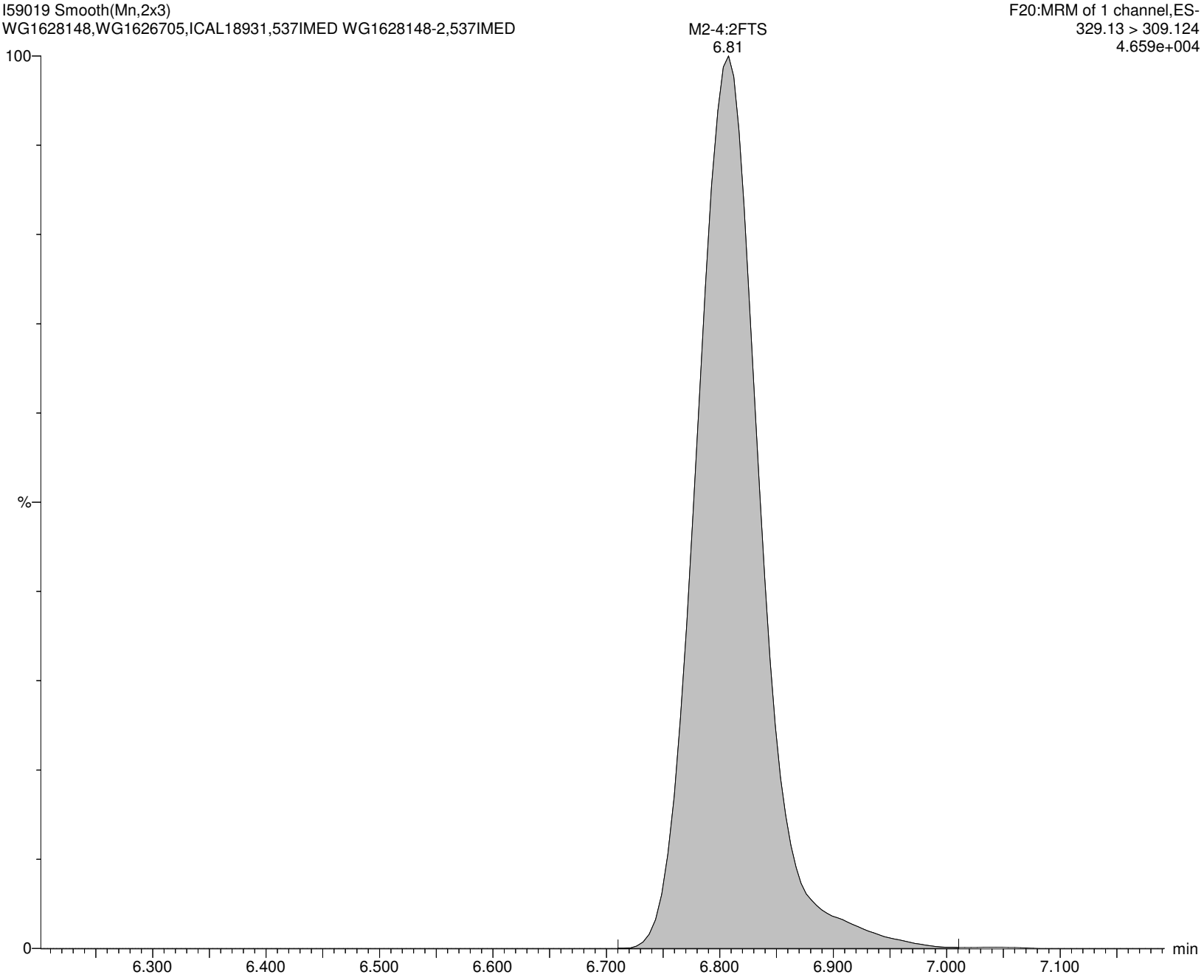


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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M2-4:2FTS

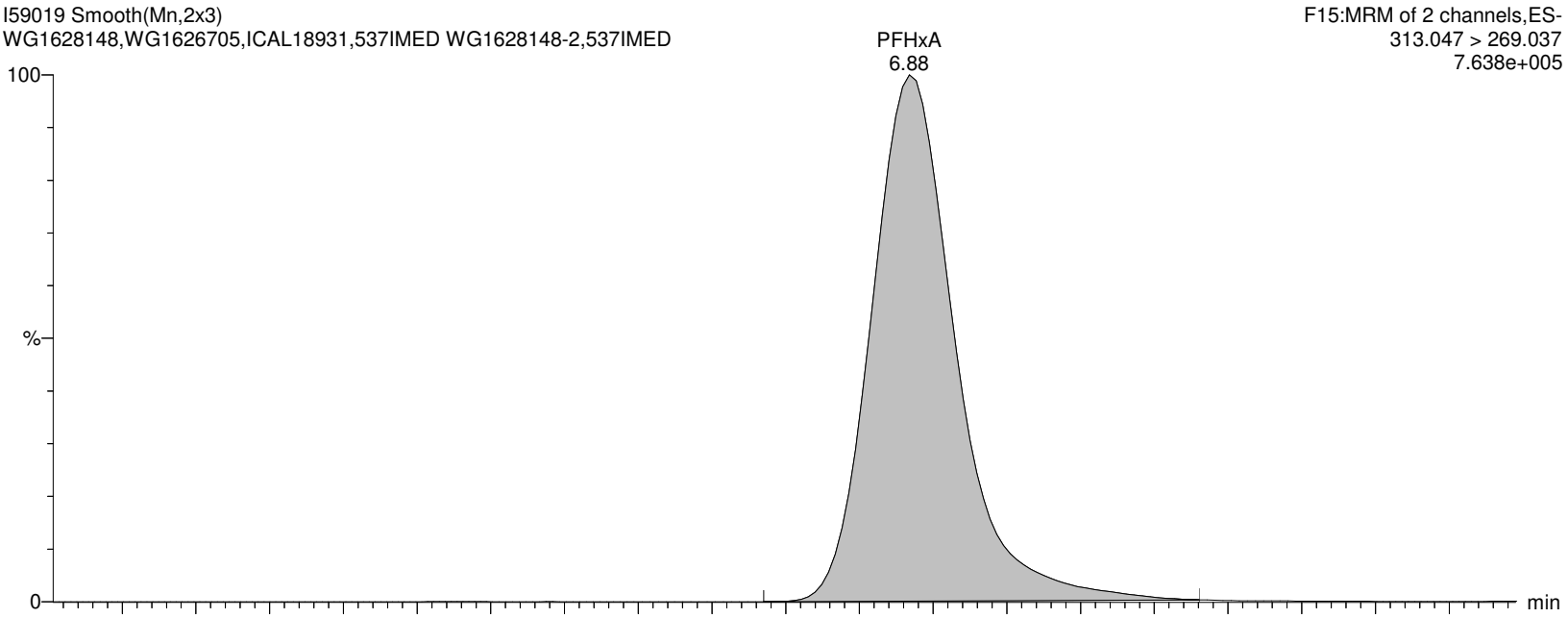


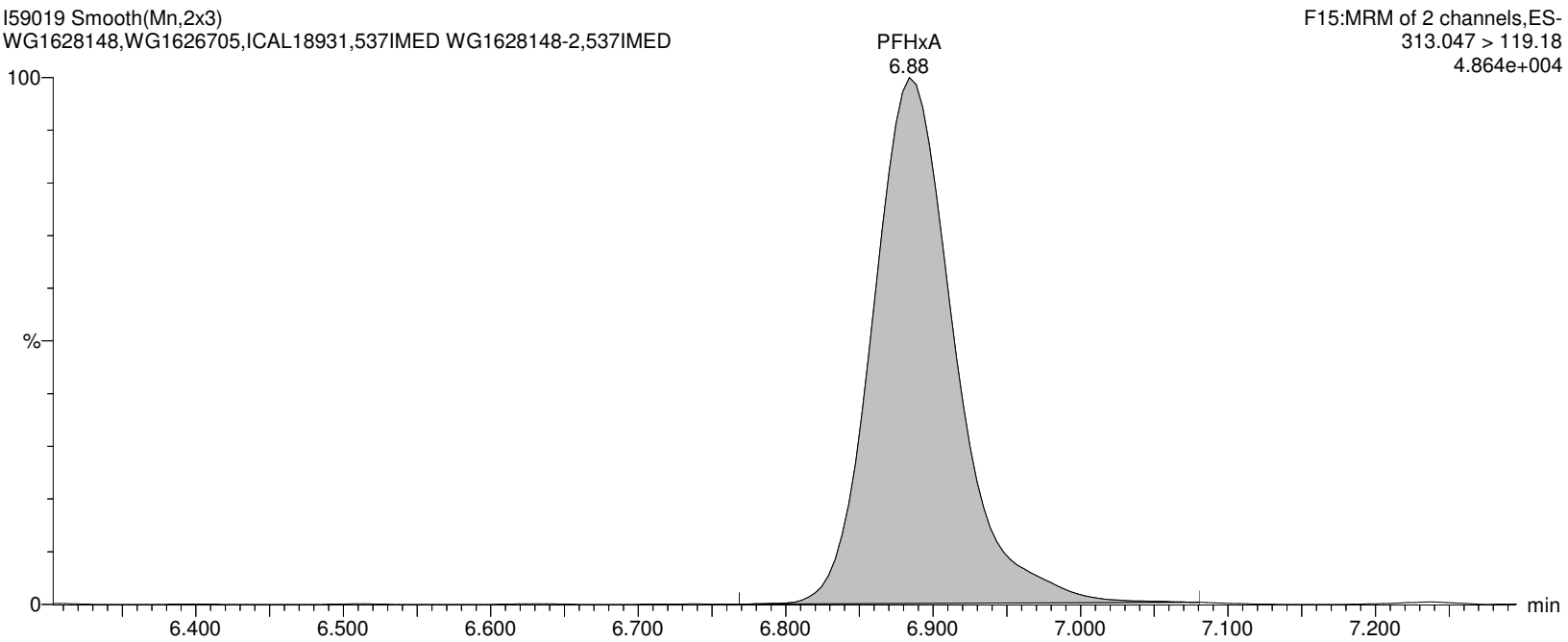
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxA



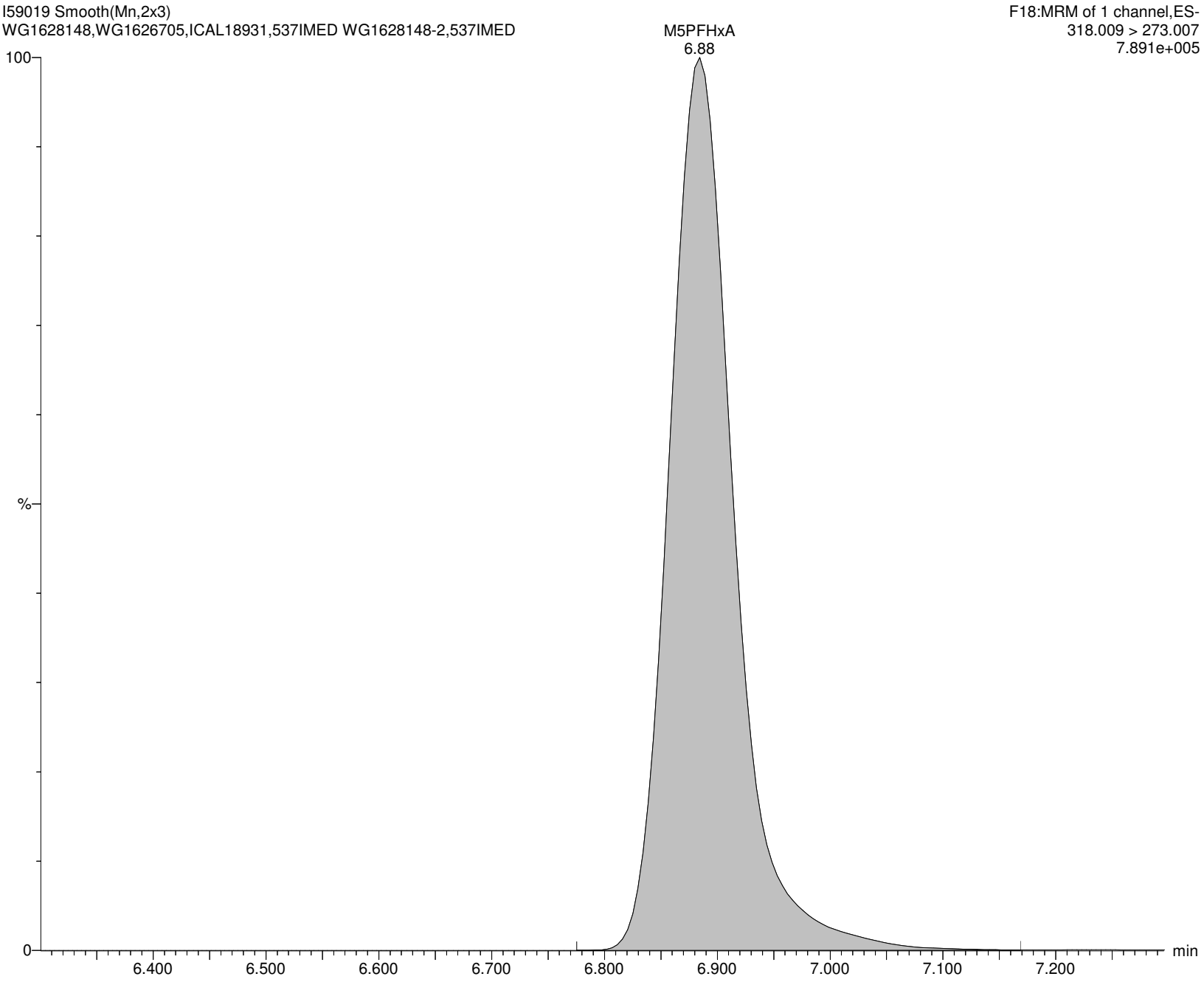


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M5PFHxA

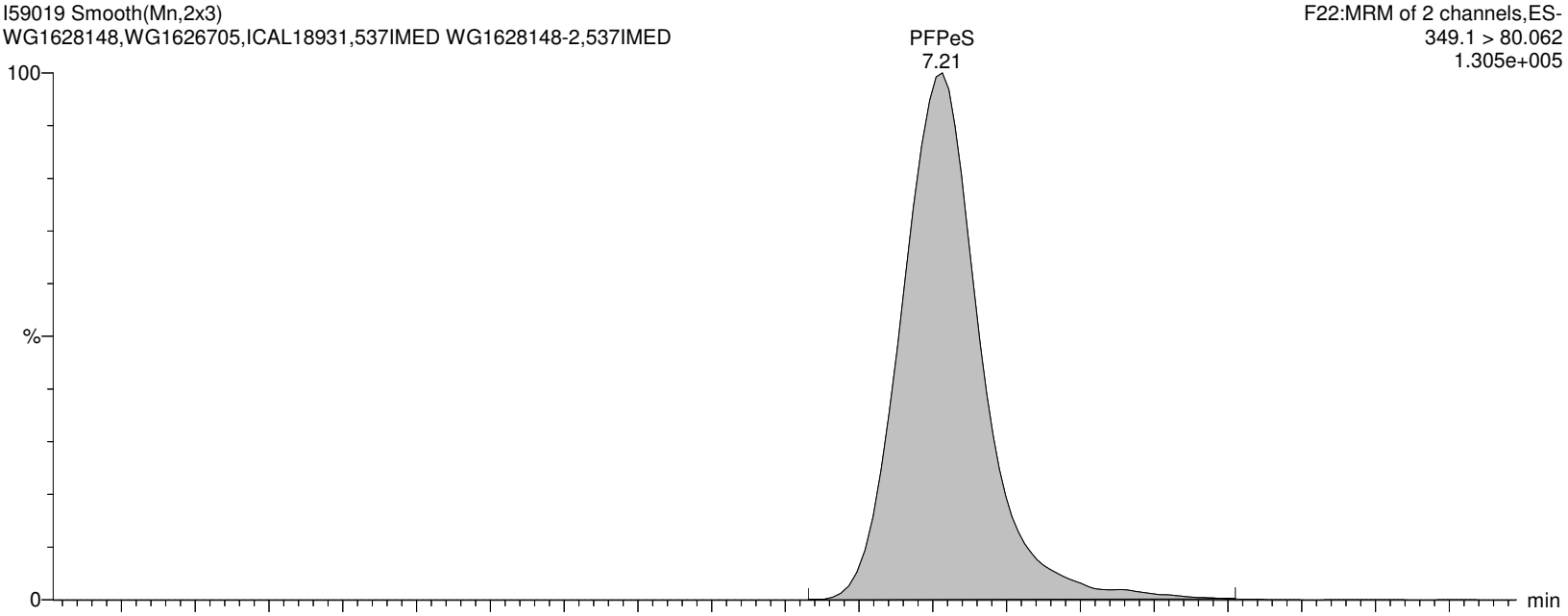


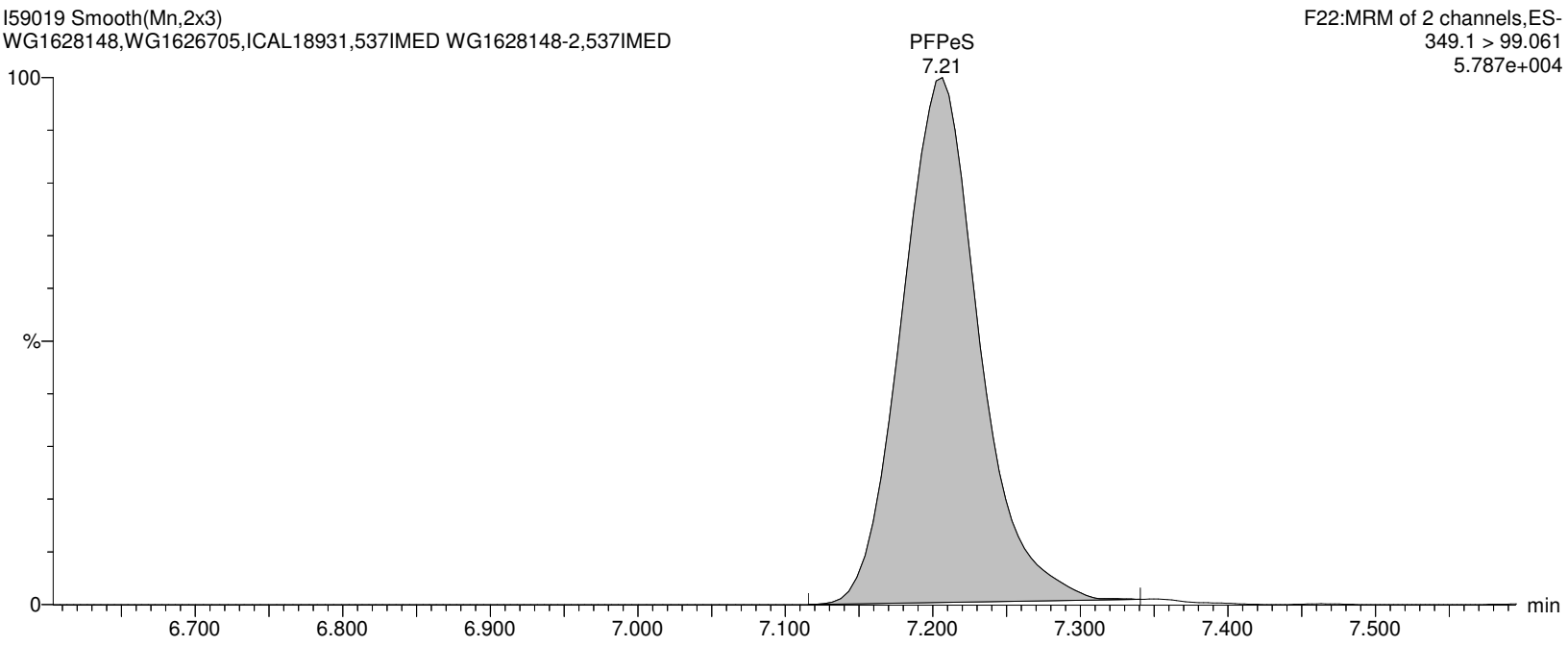
all concentration units in (ng/mL)

Alpha Analytical Inc.
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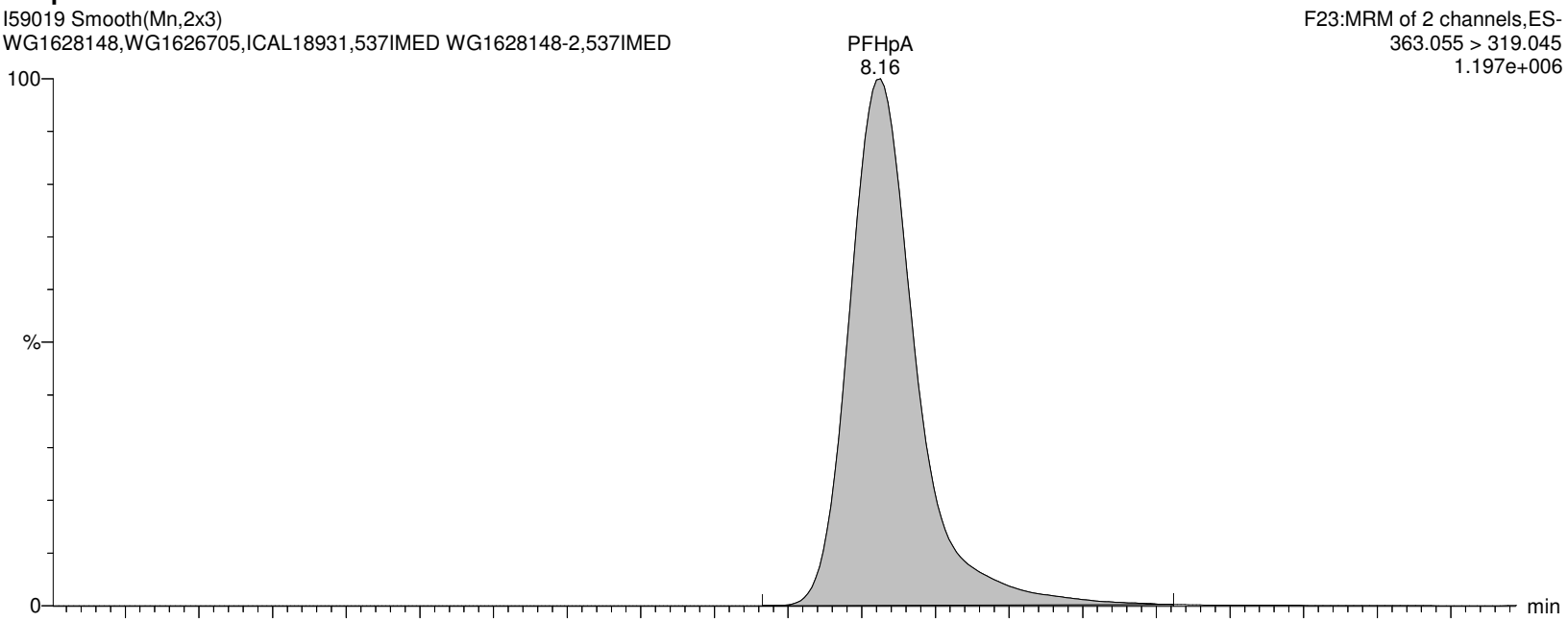


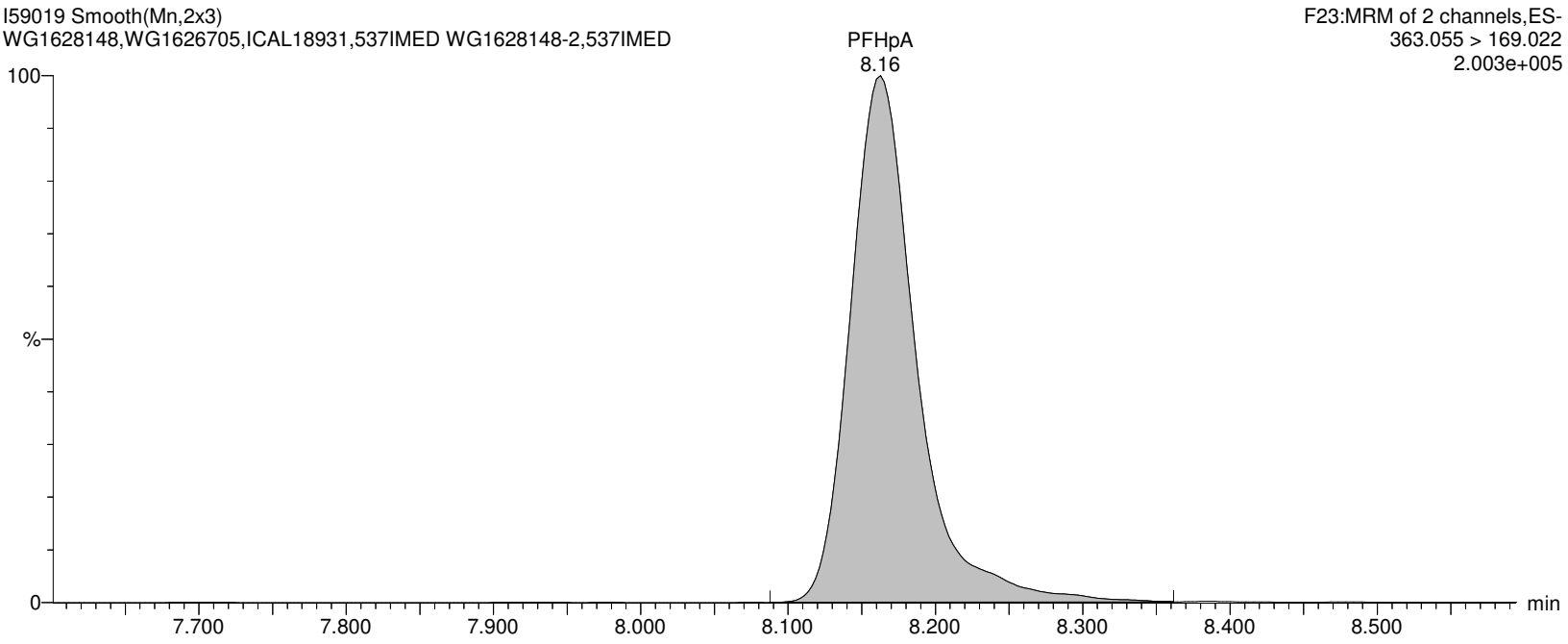
all concentration units in (ng/mL)

Alpha Analytical Inc.
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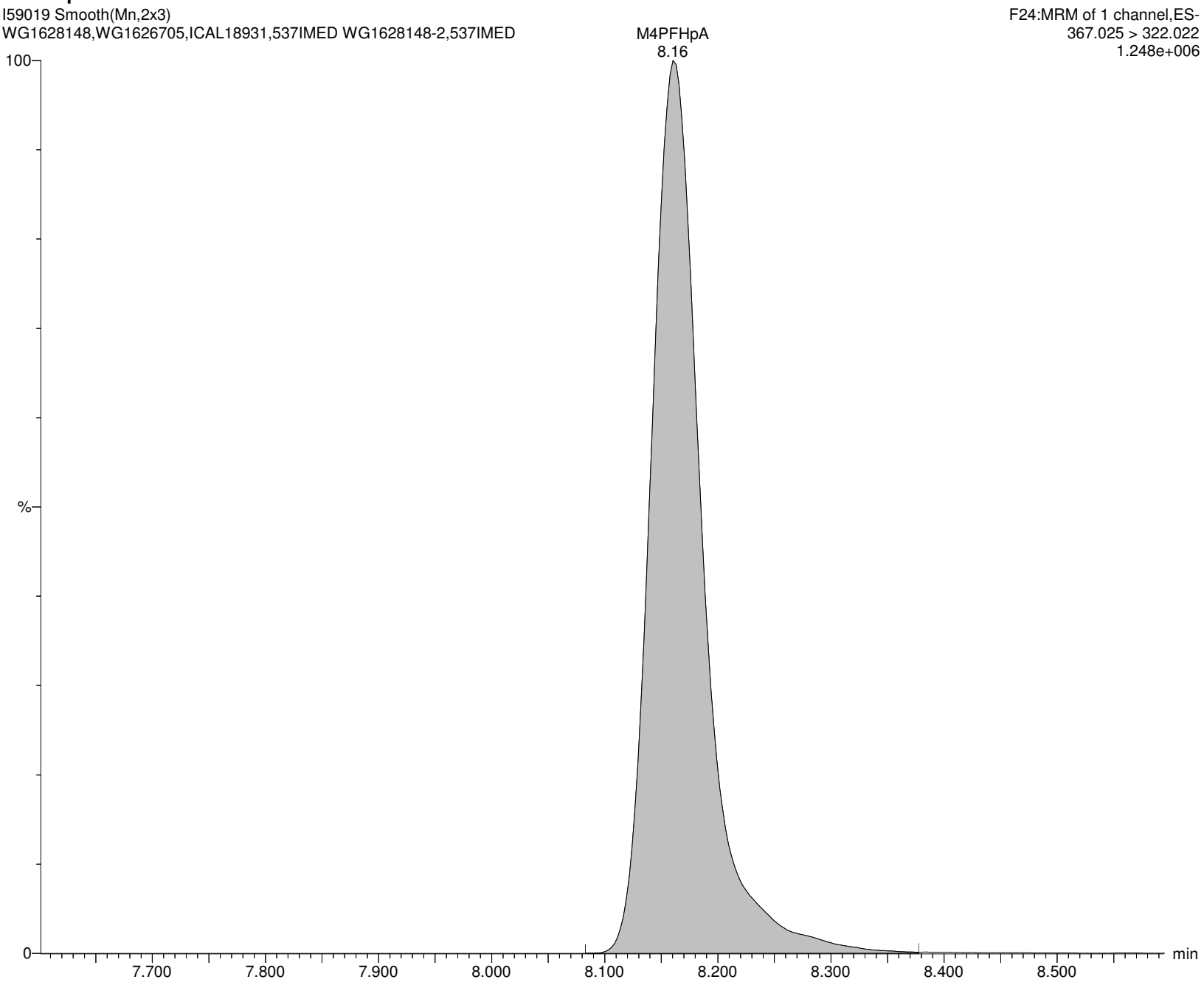


all concentration units in (ng/mL)

Alpha Analytical Inc.
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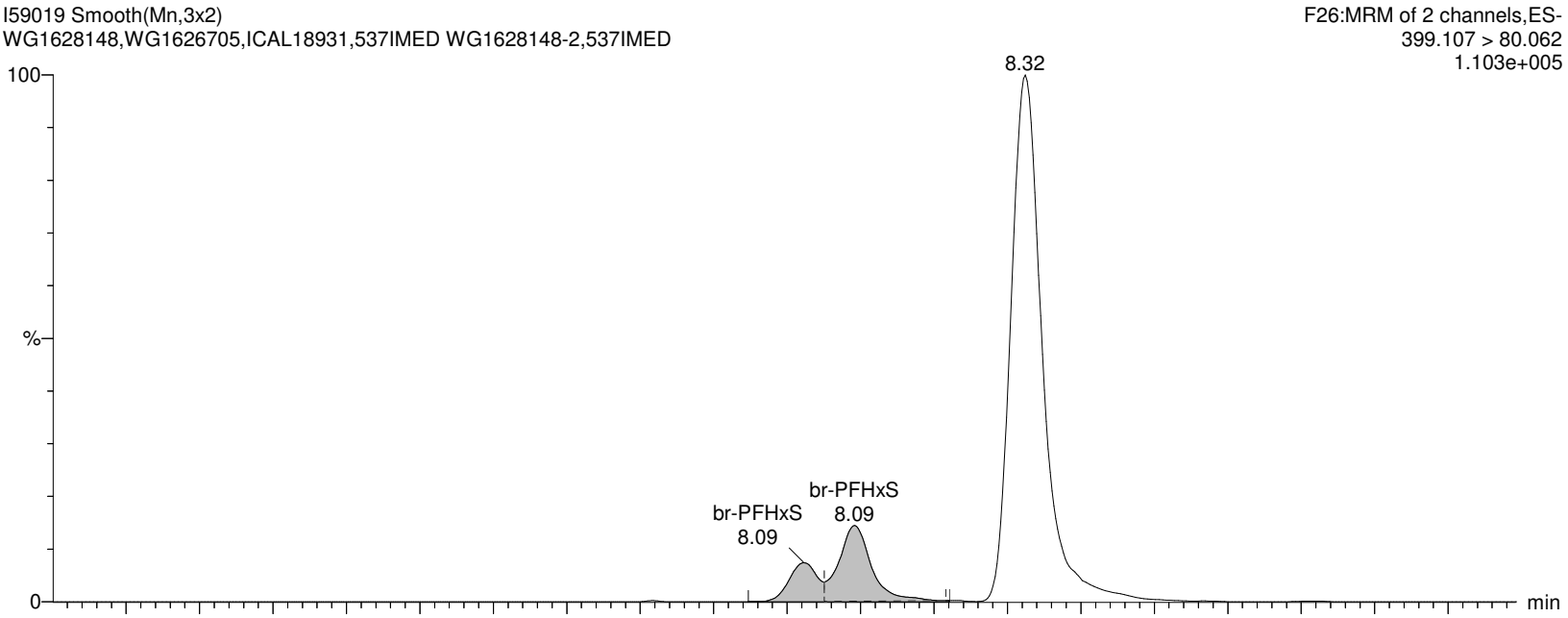


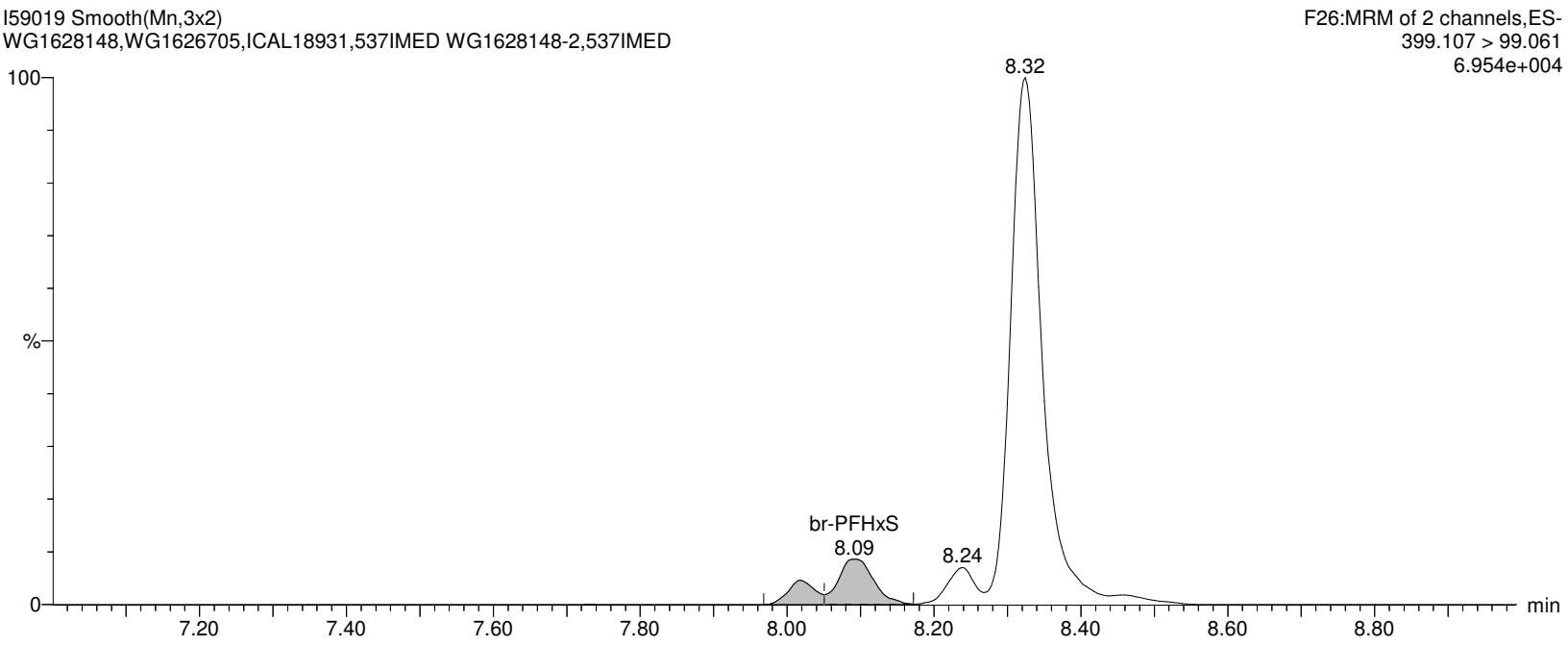
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-PFHxS



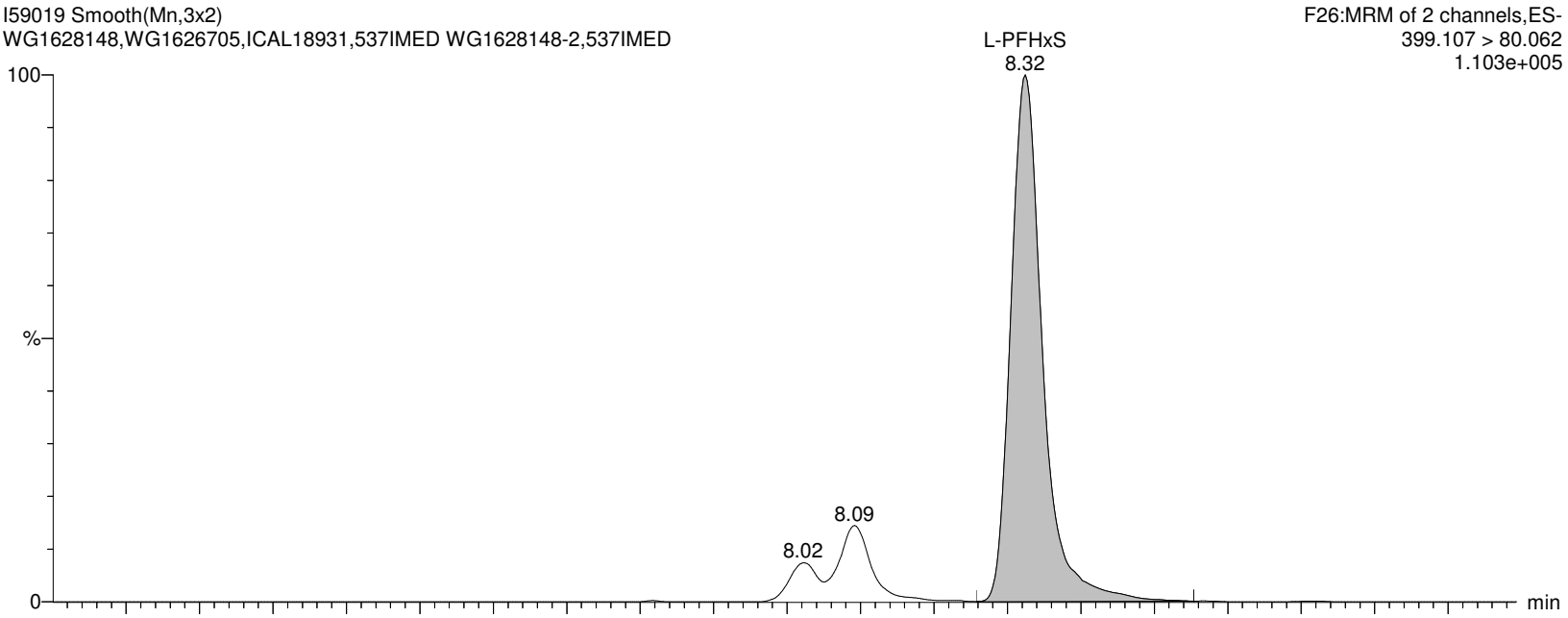


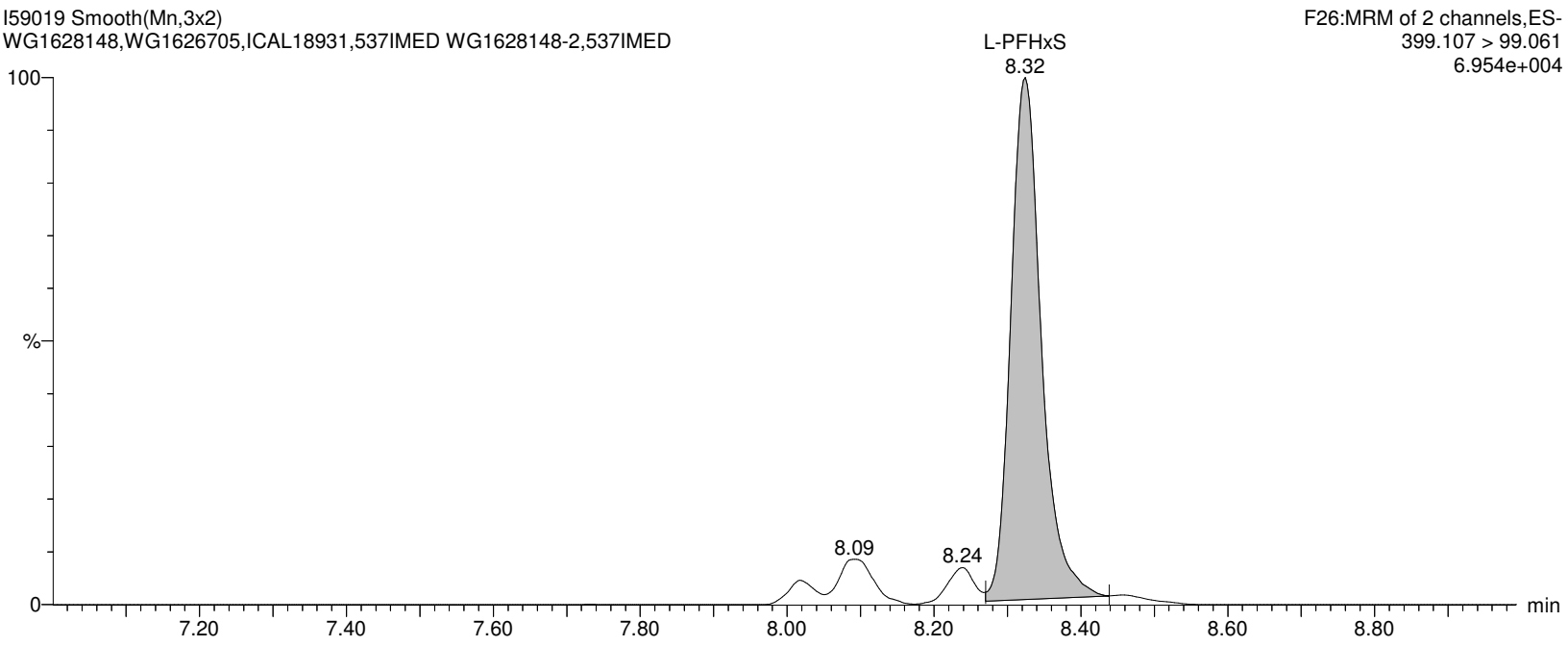
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Time: 22:32:16
Description: WG1628148,WG1626705,ICAL18931,537IMED
User: LCMS02:SG
Vial: 1:A,3
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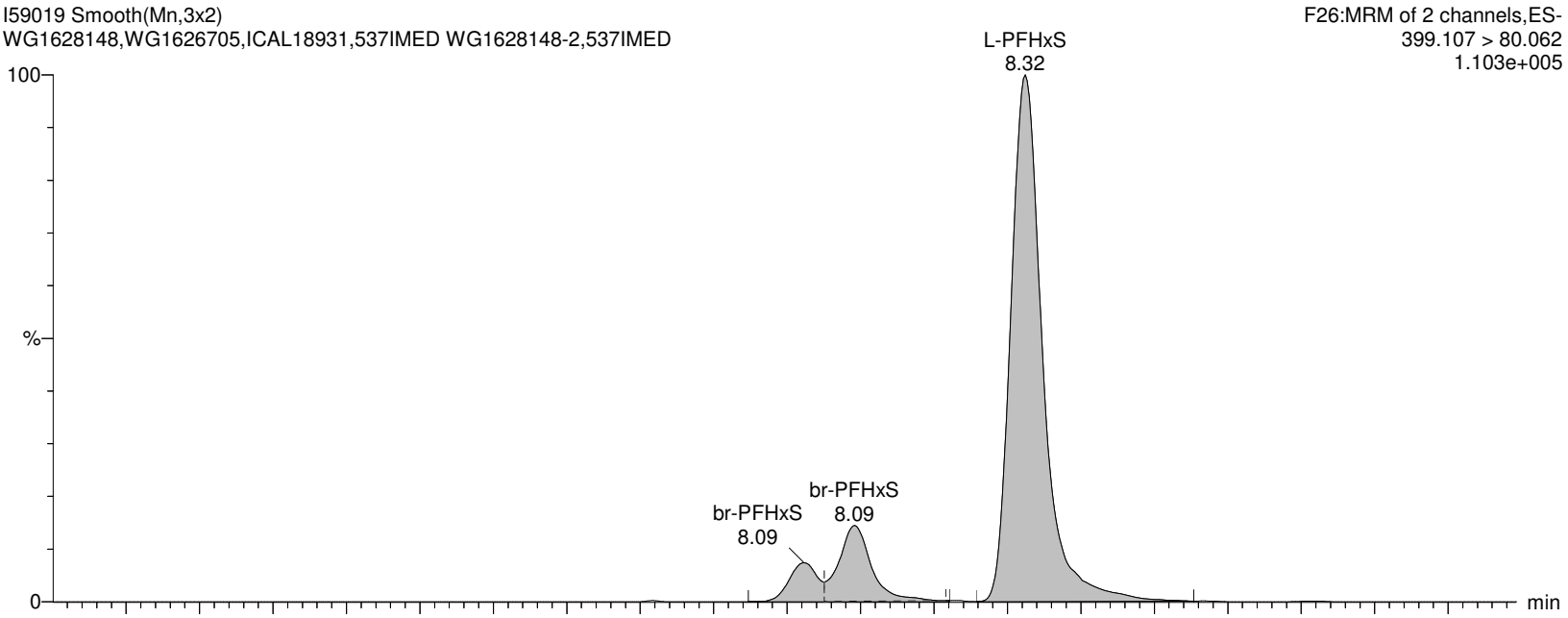


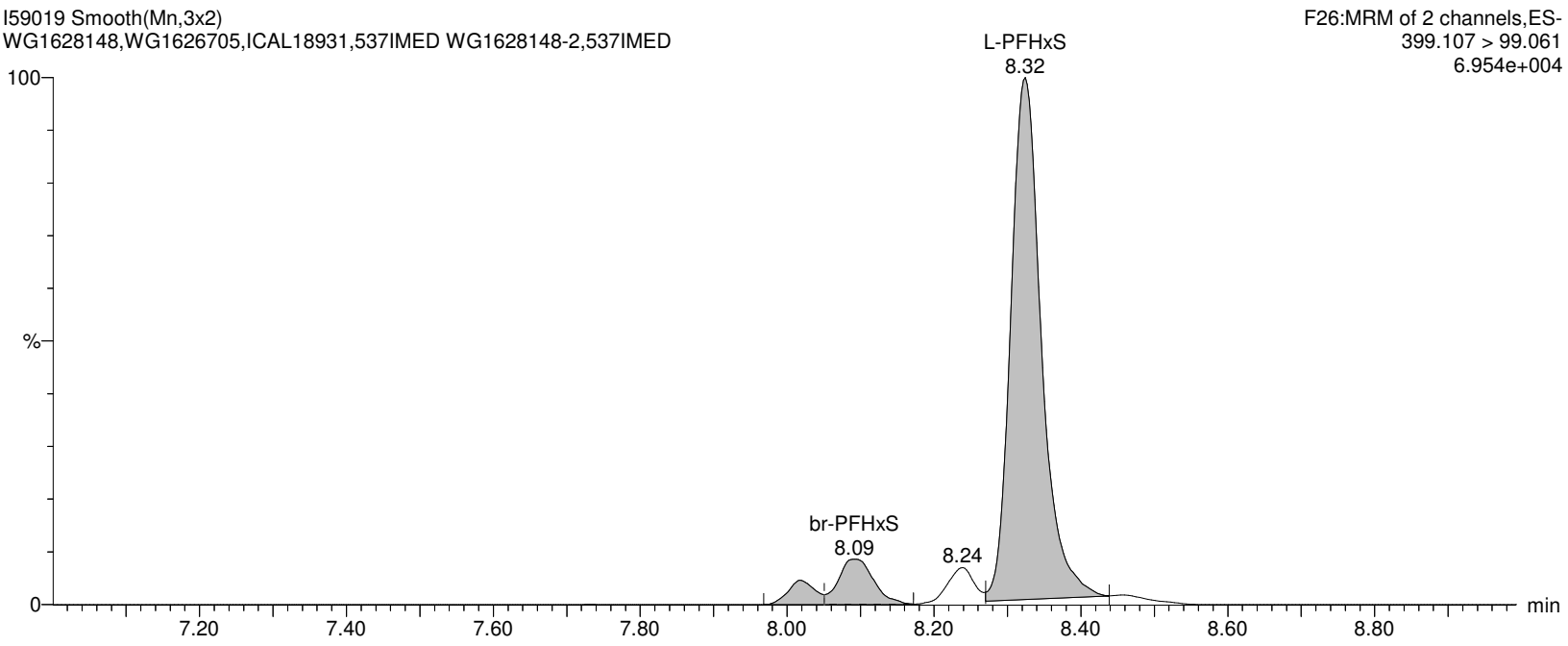
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Printed: Tuesday, April 19, 2022 19:01:36 Eastern Daylight Time

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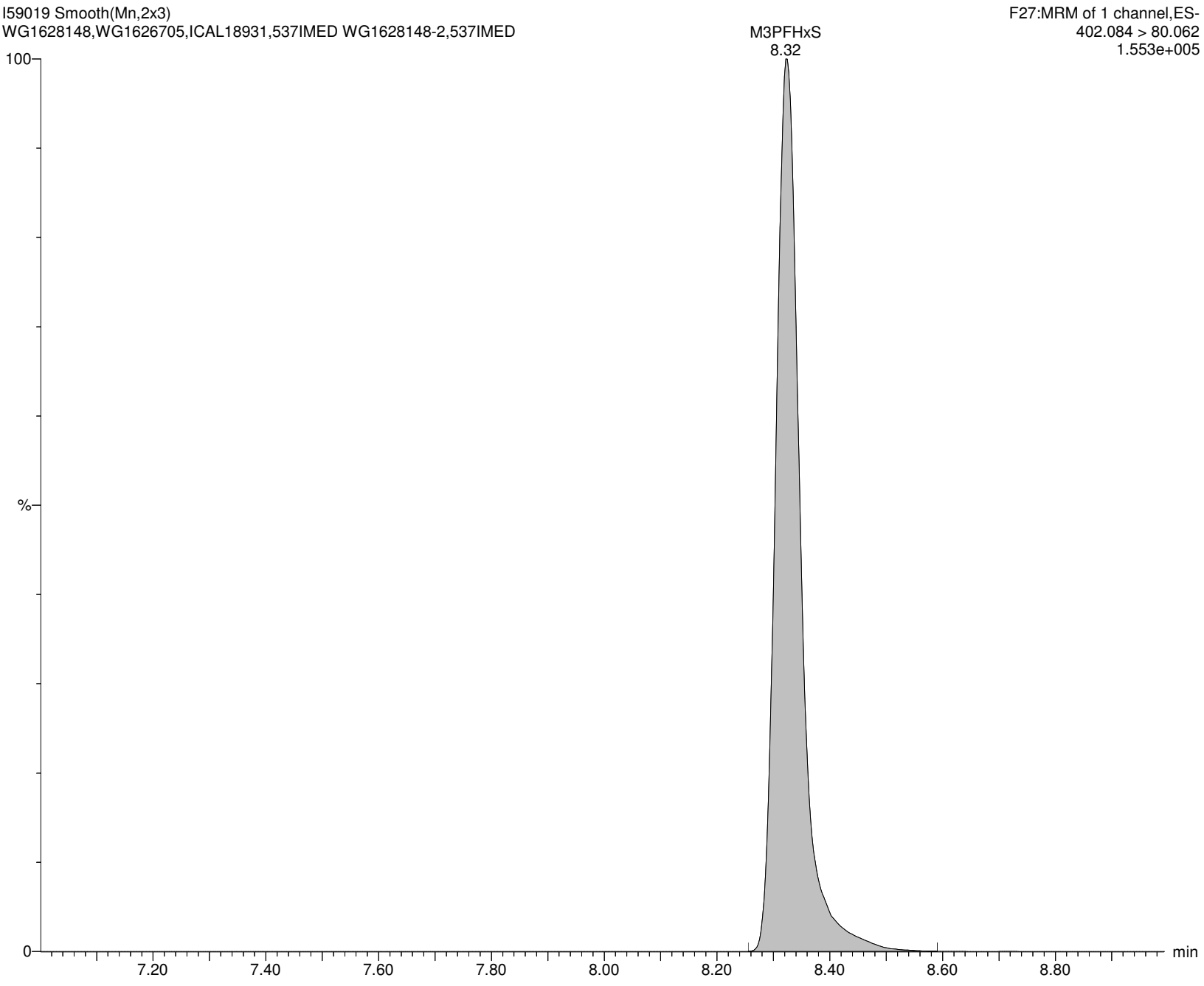


all concentration units in (ng/mL)

Alpha Analytical Inc.
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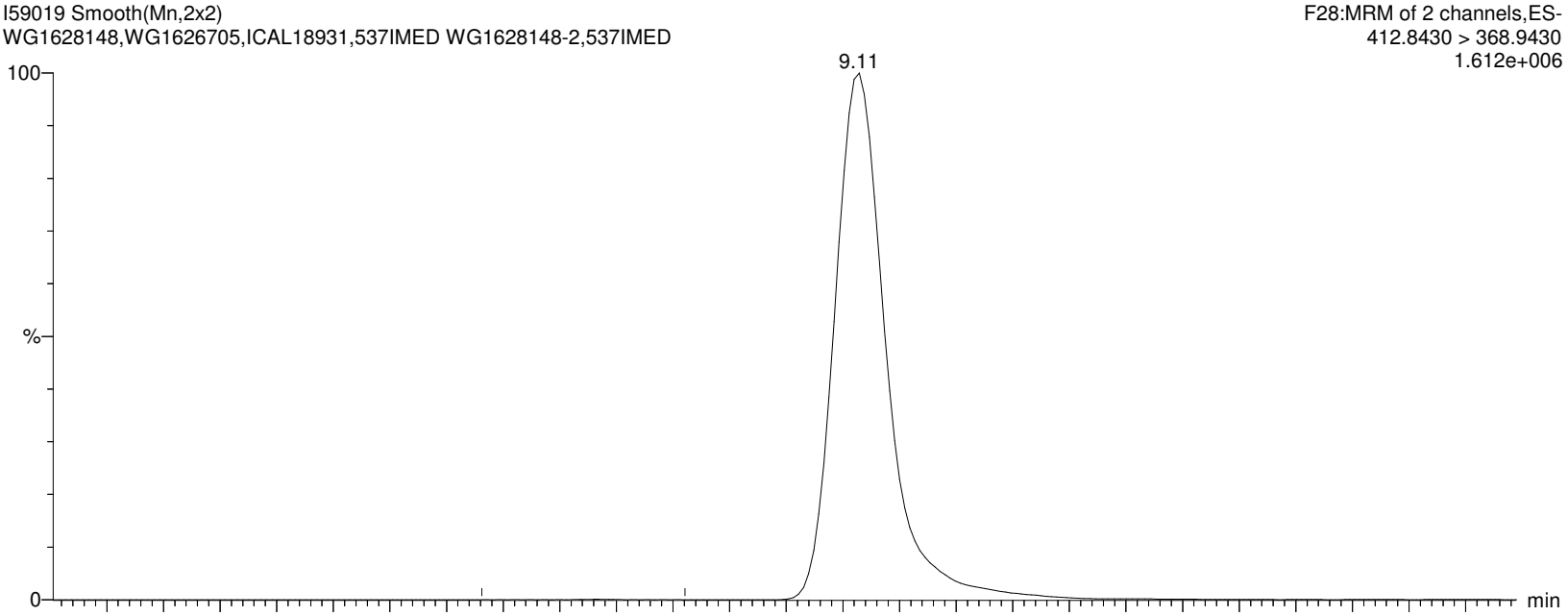


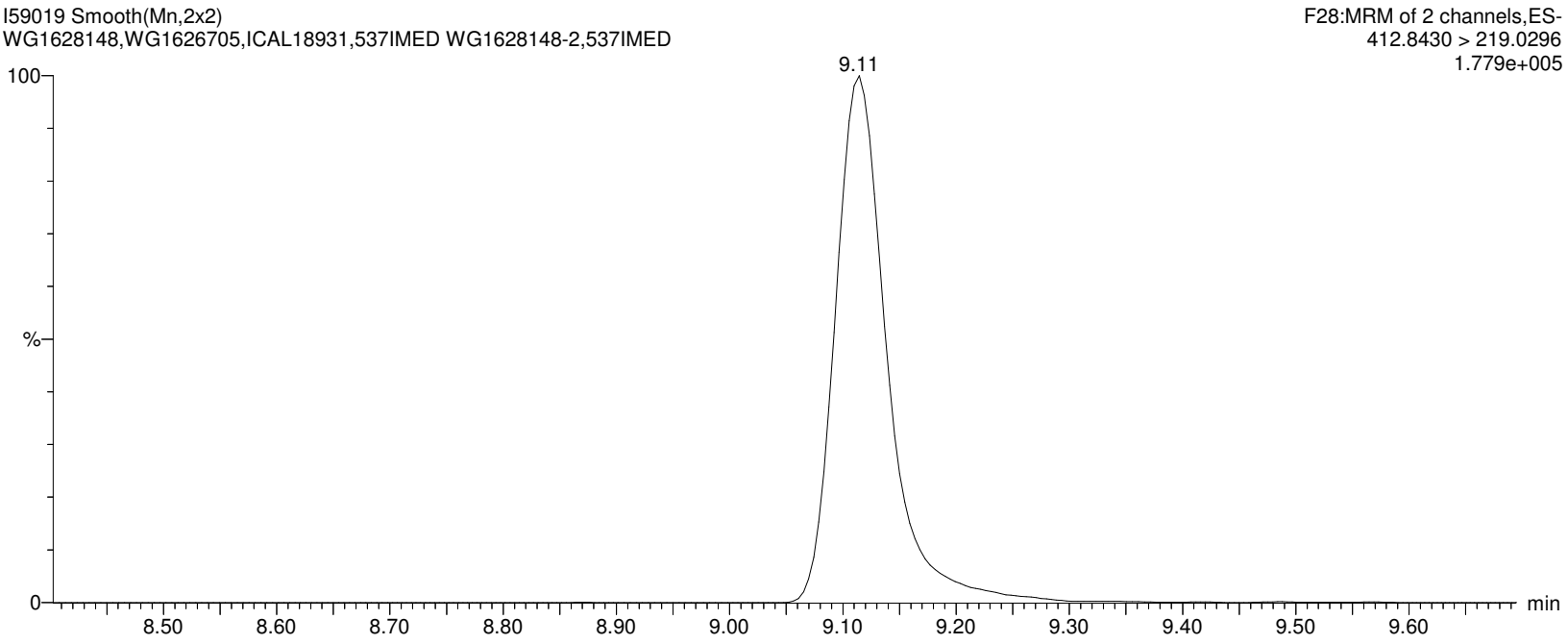
all concentration units in (ng/mL)

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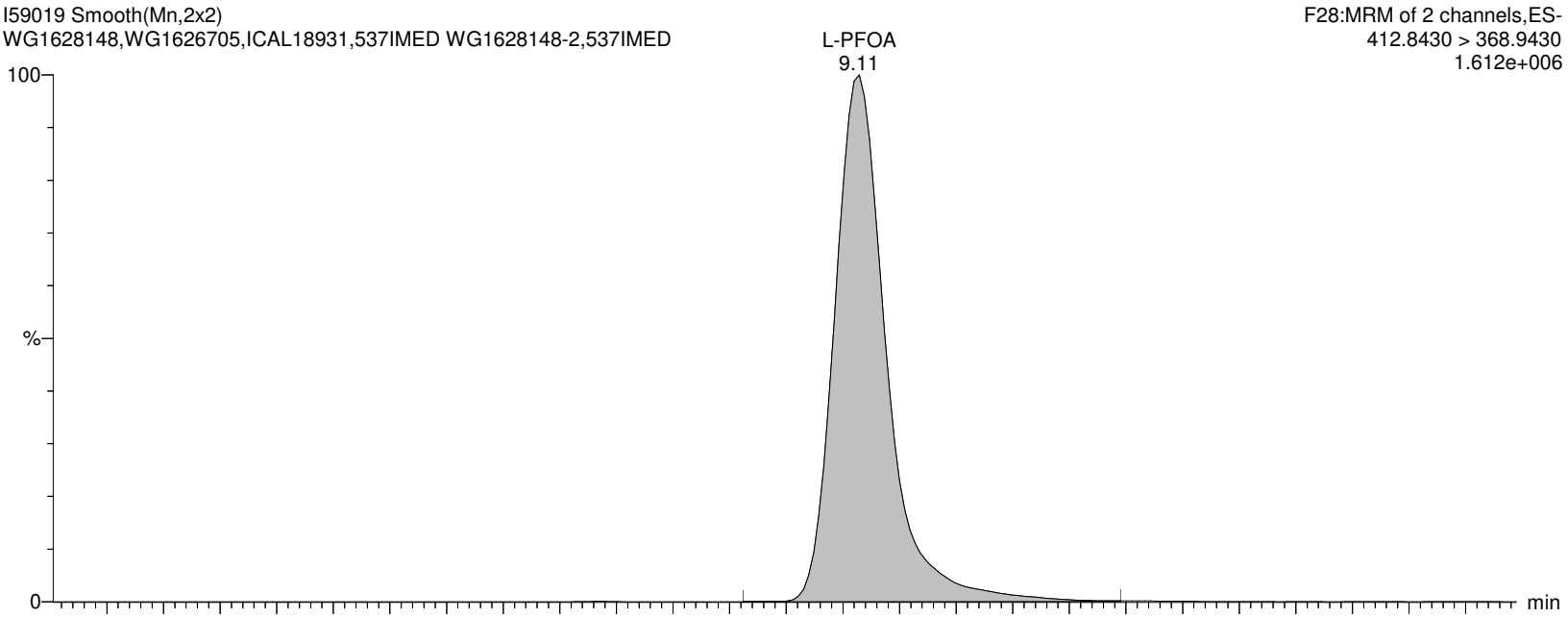


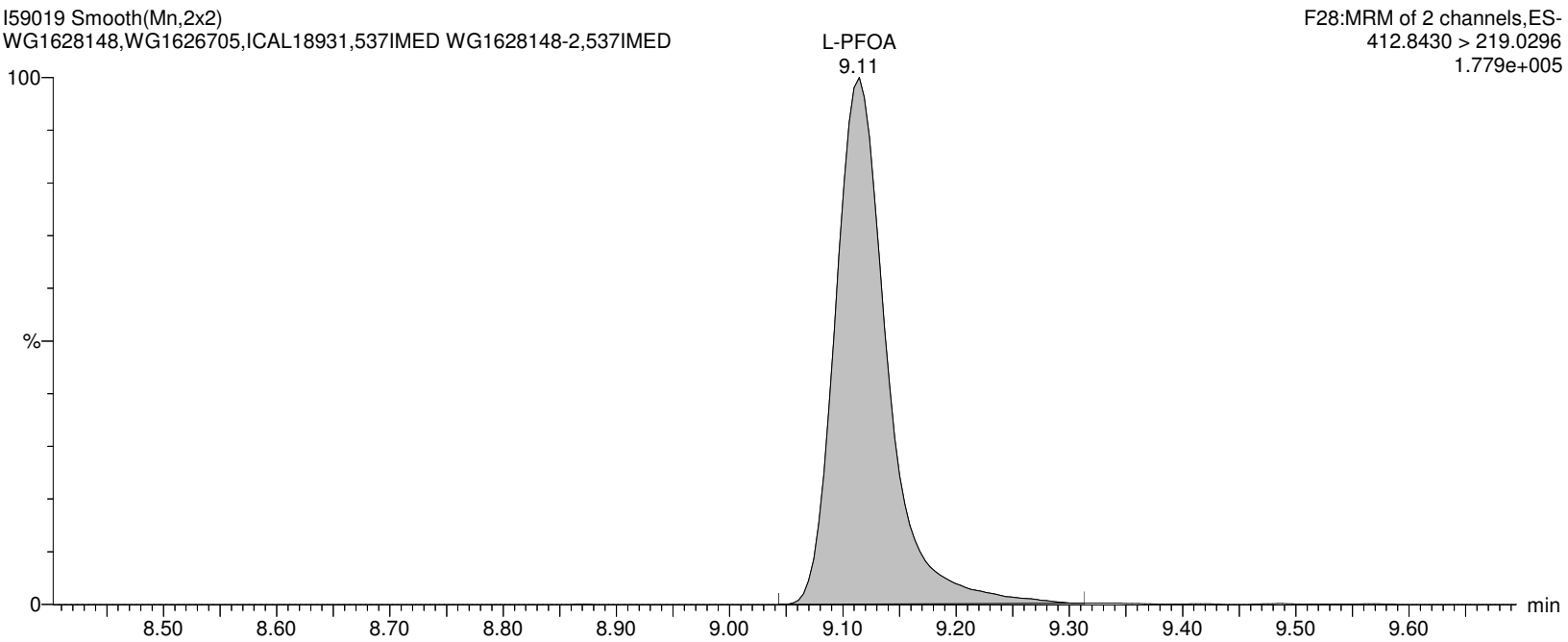
all concentration units in (ng/mL)

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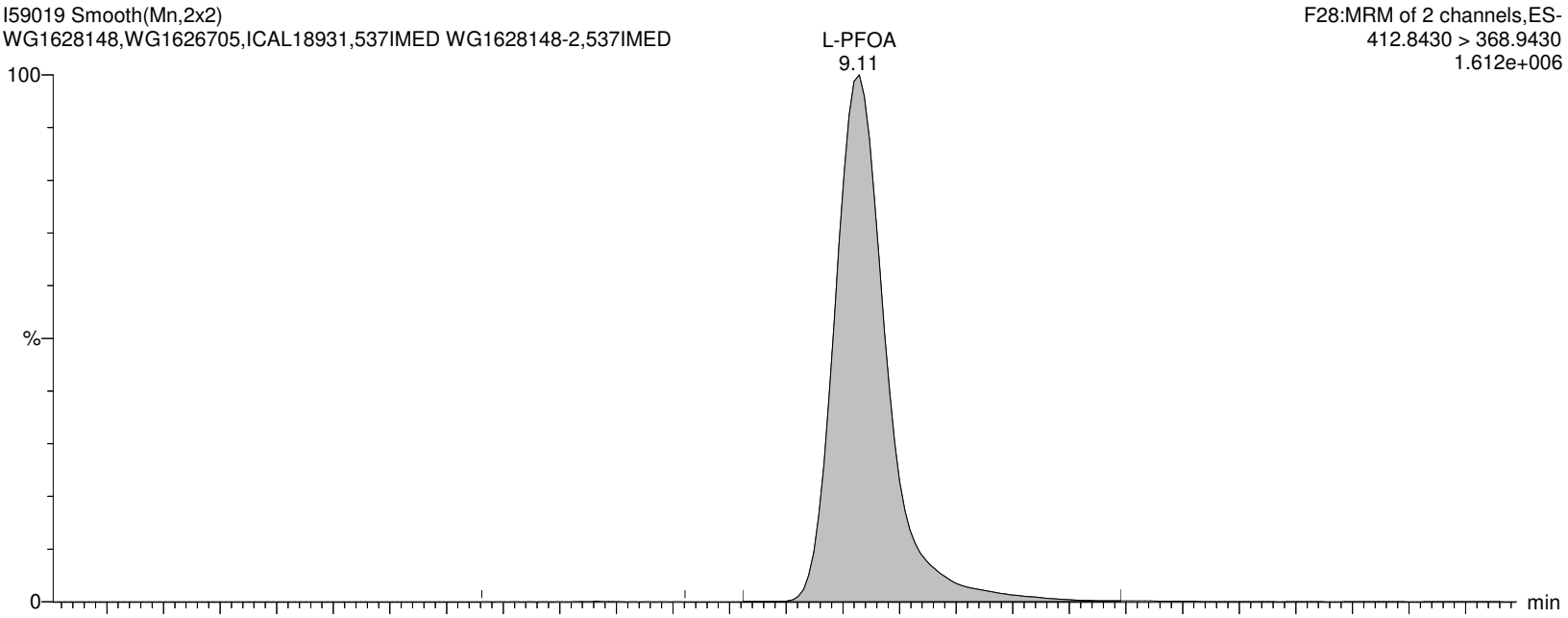


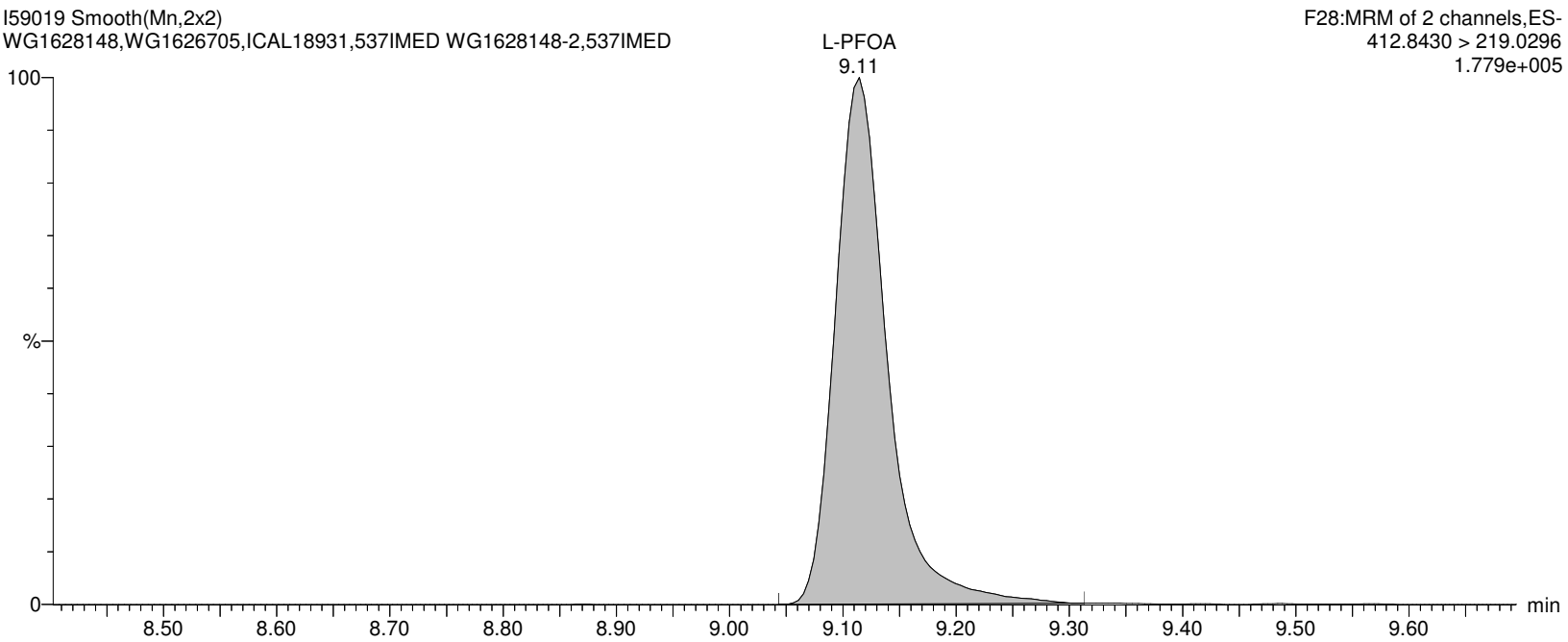
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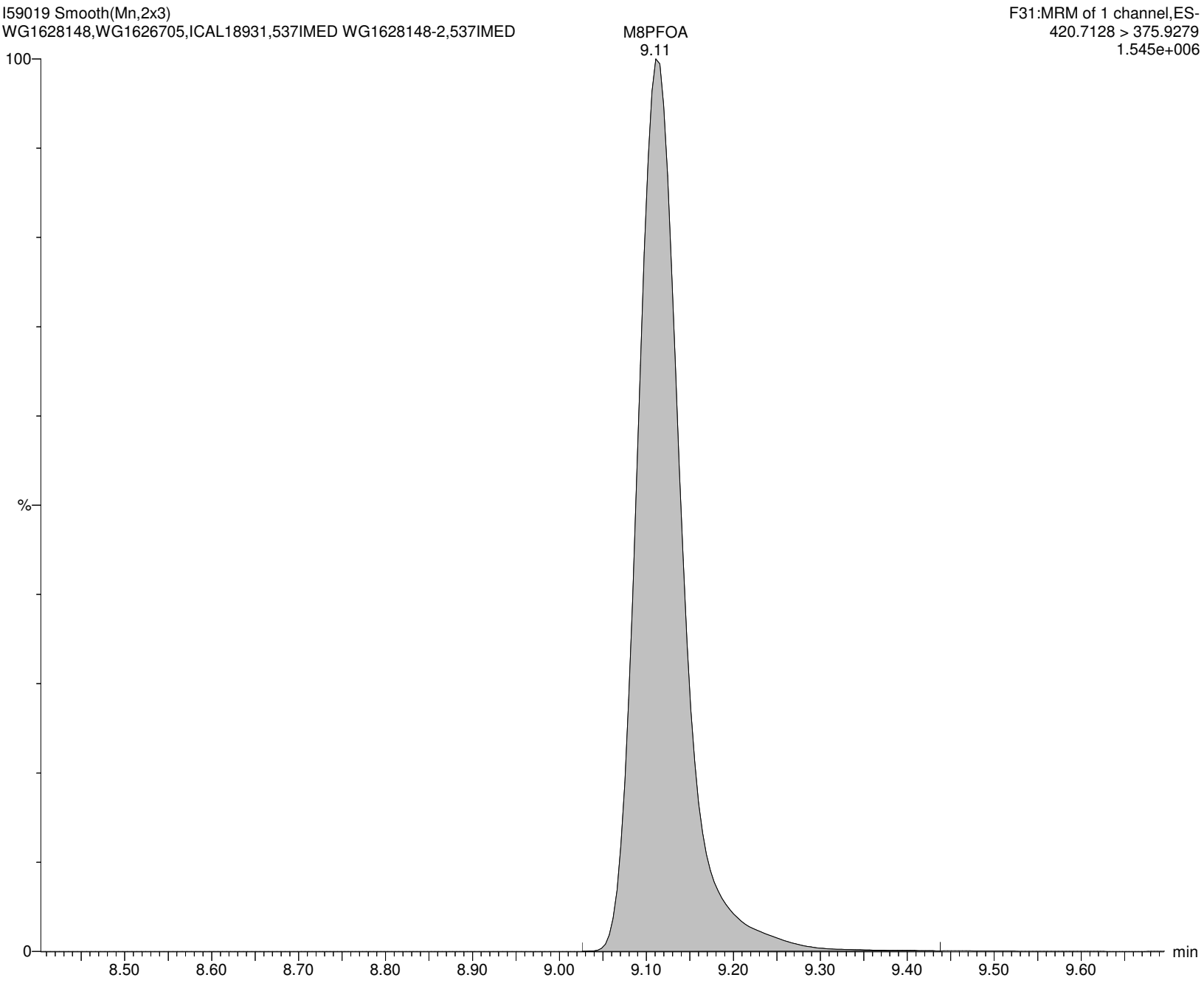


all concentration units in (ng/mL)

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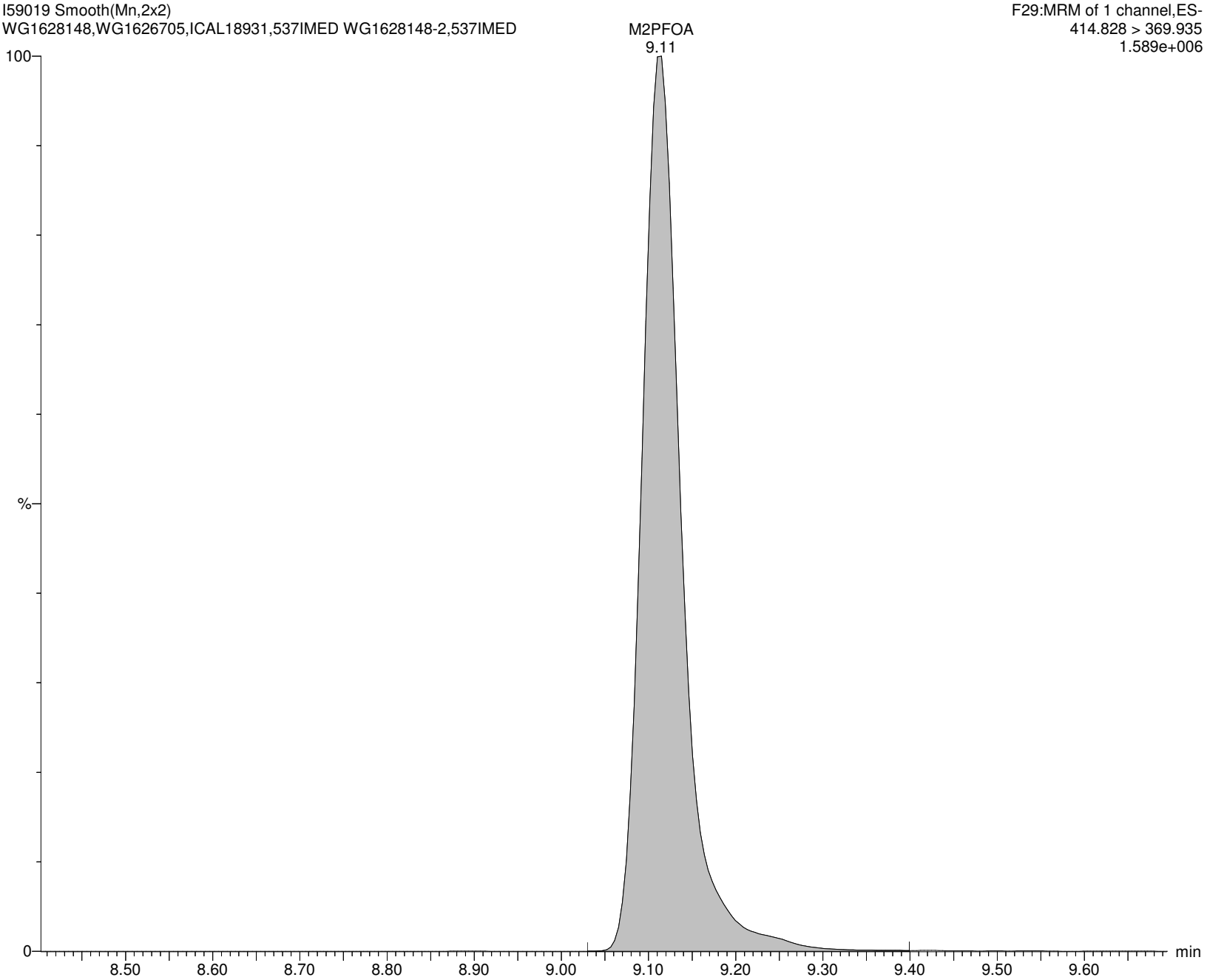


all concentration units in (ng/mL)

Alpha Analytical Inc.
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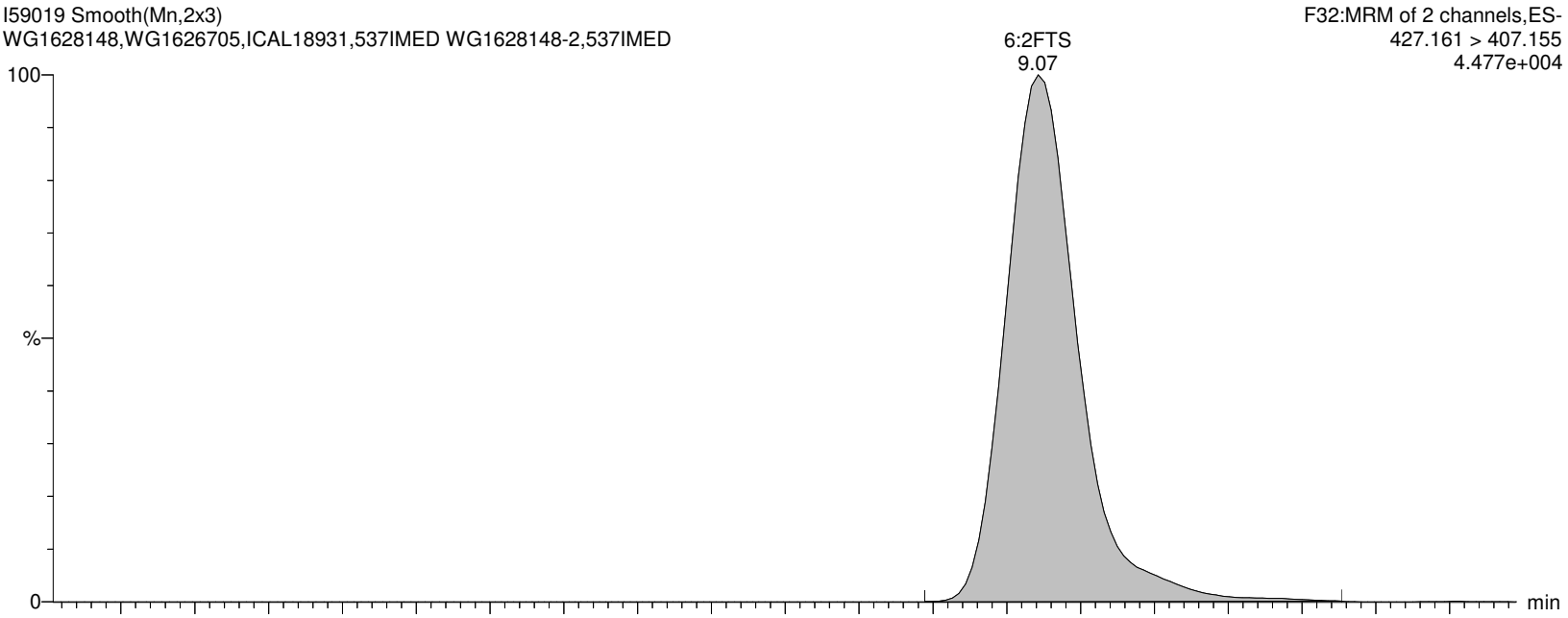


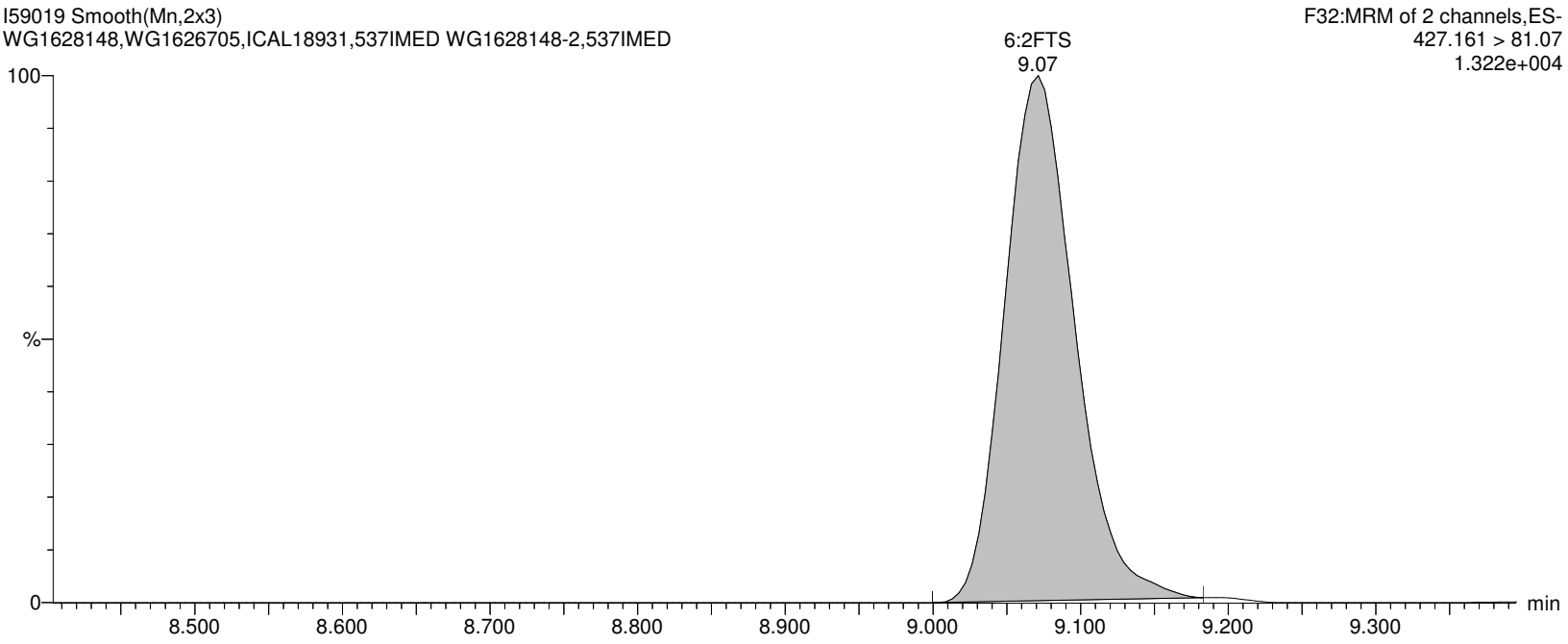
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



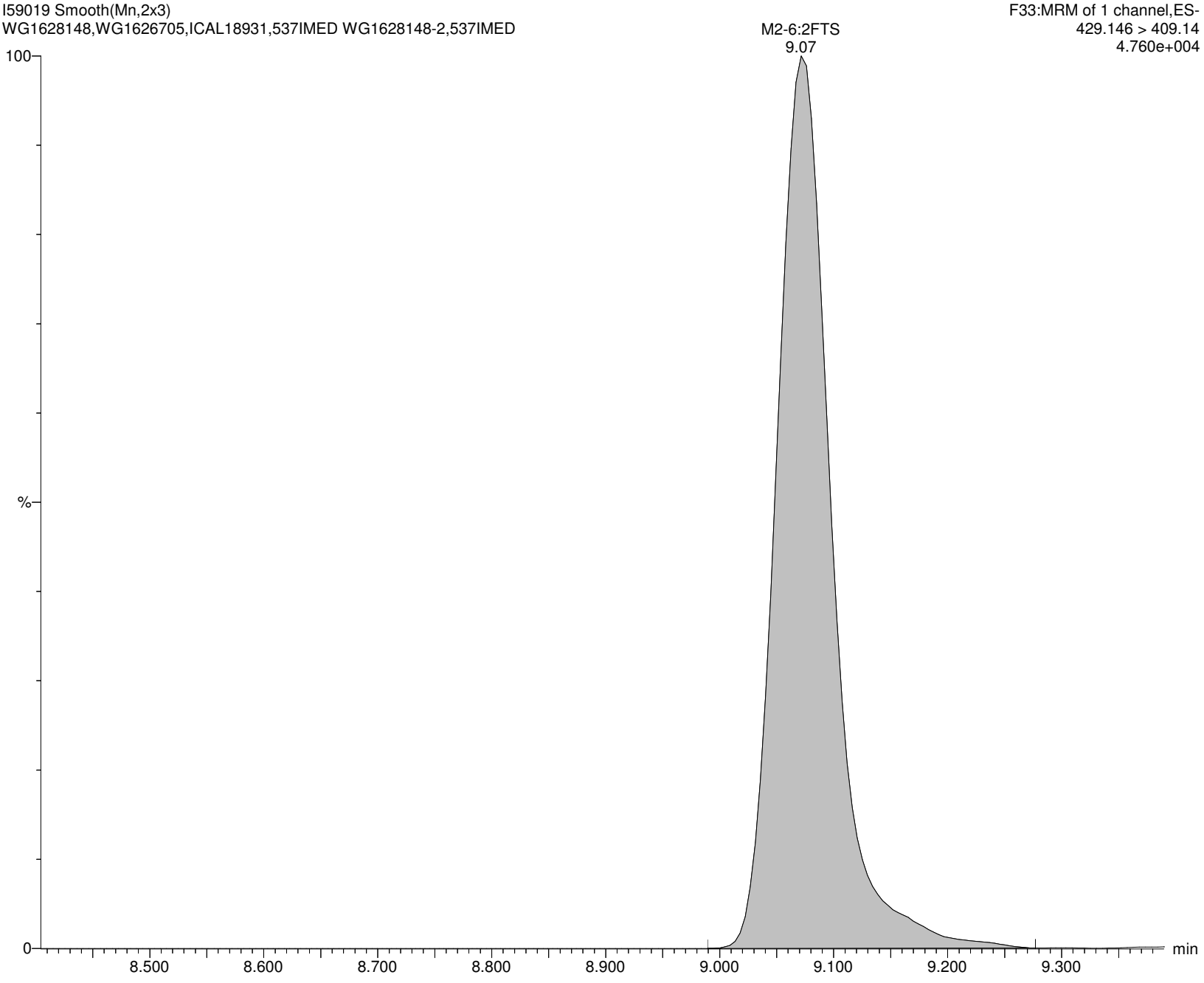


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M2-6:2FTS

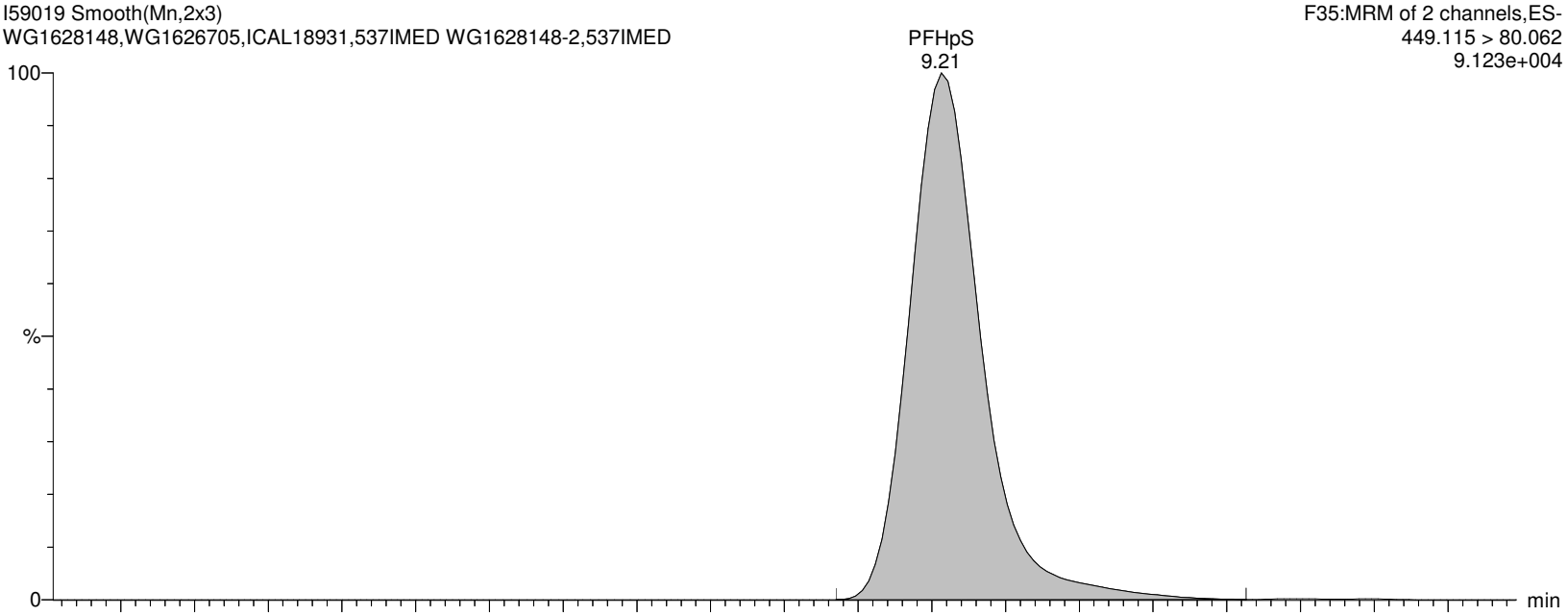


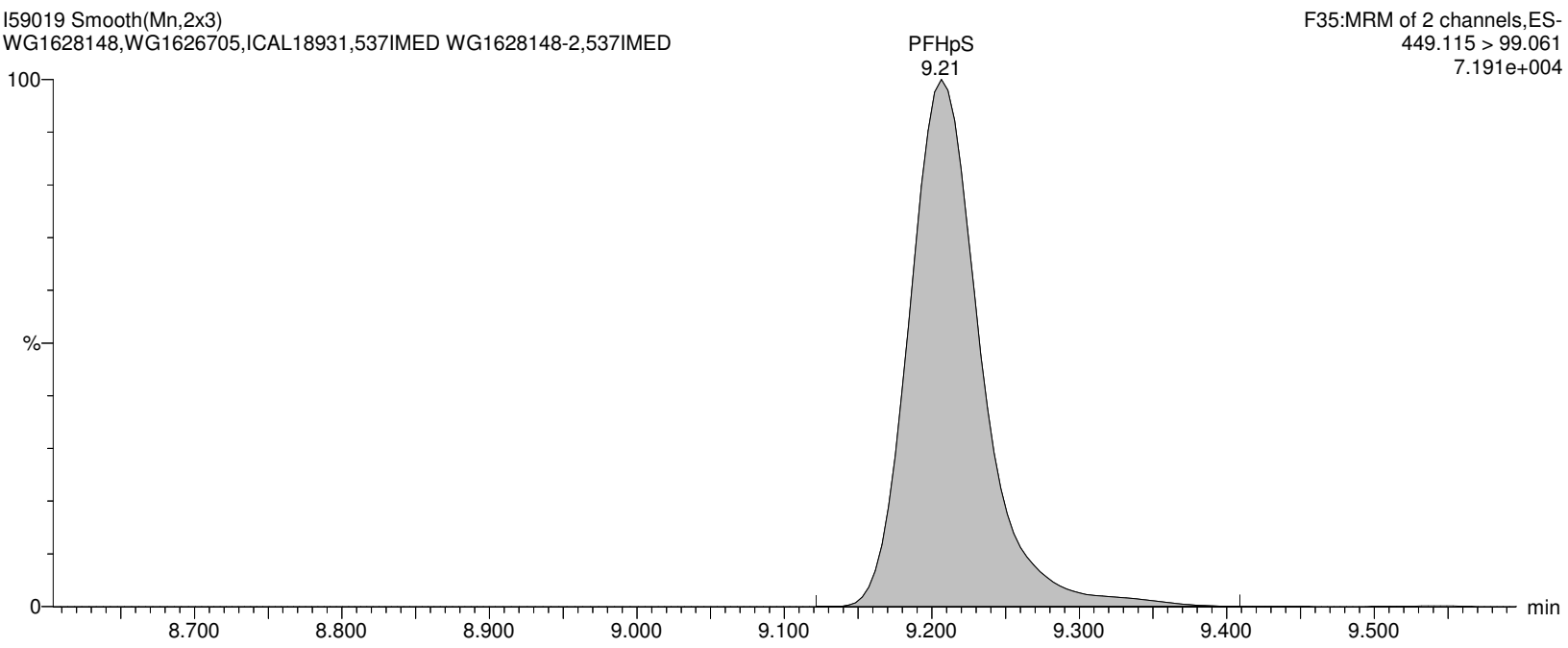
all concentration units in (ng/mL)

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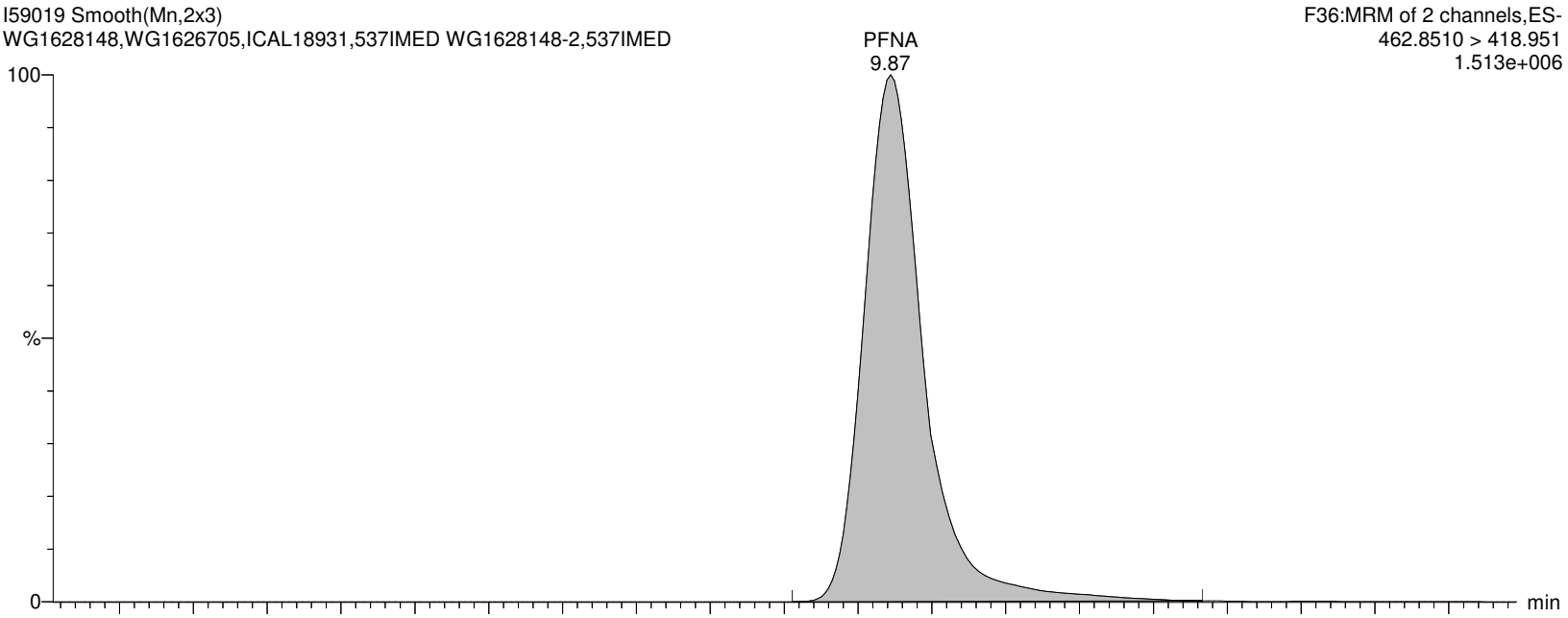


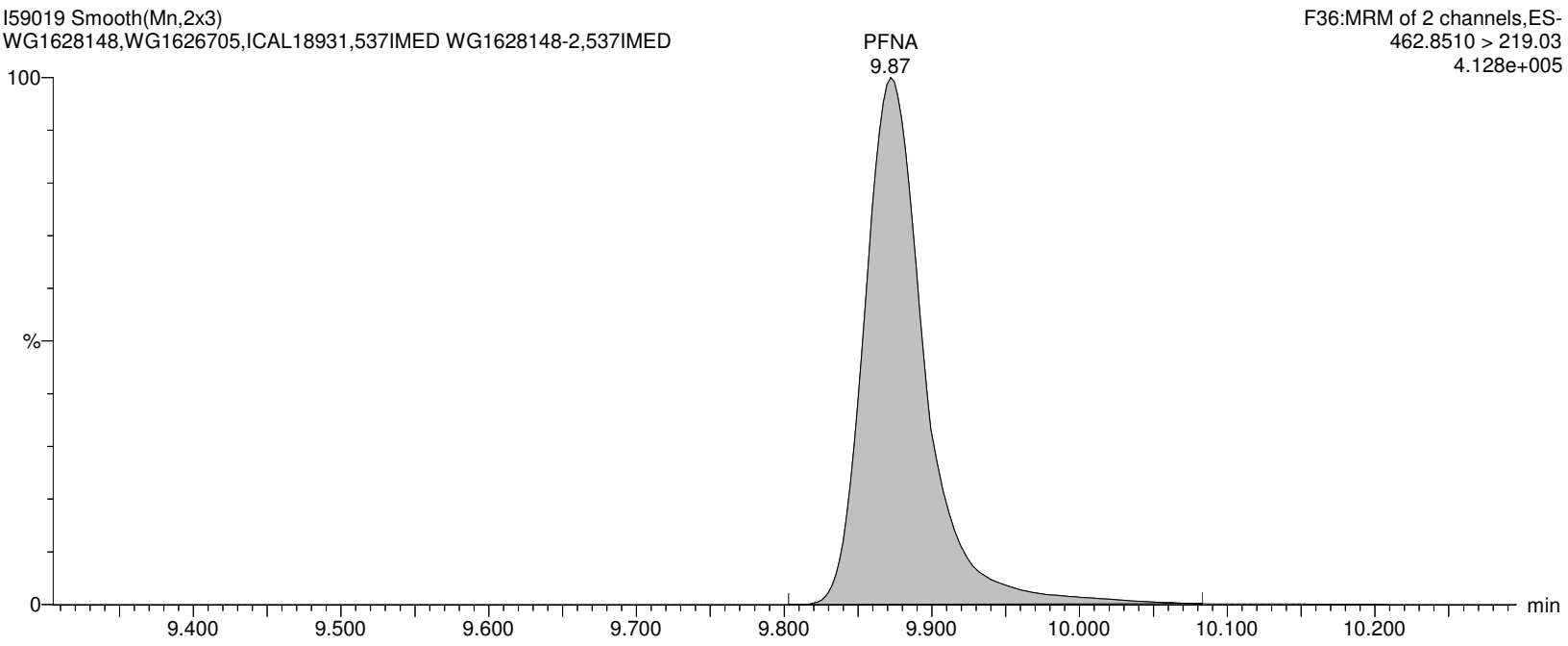
all concentration units in (ng/mL)

Alpha Analytical Inc.
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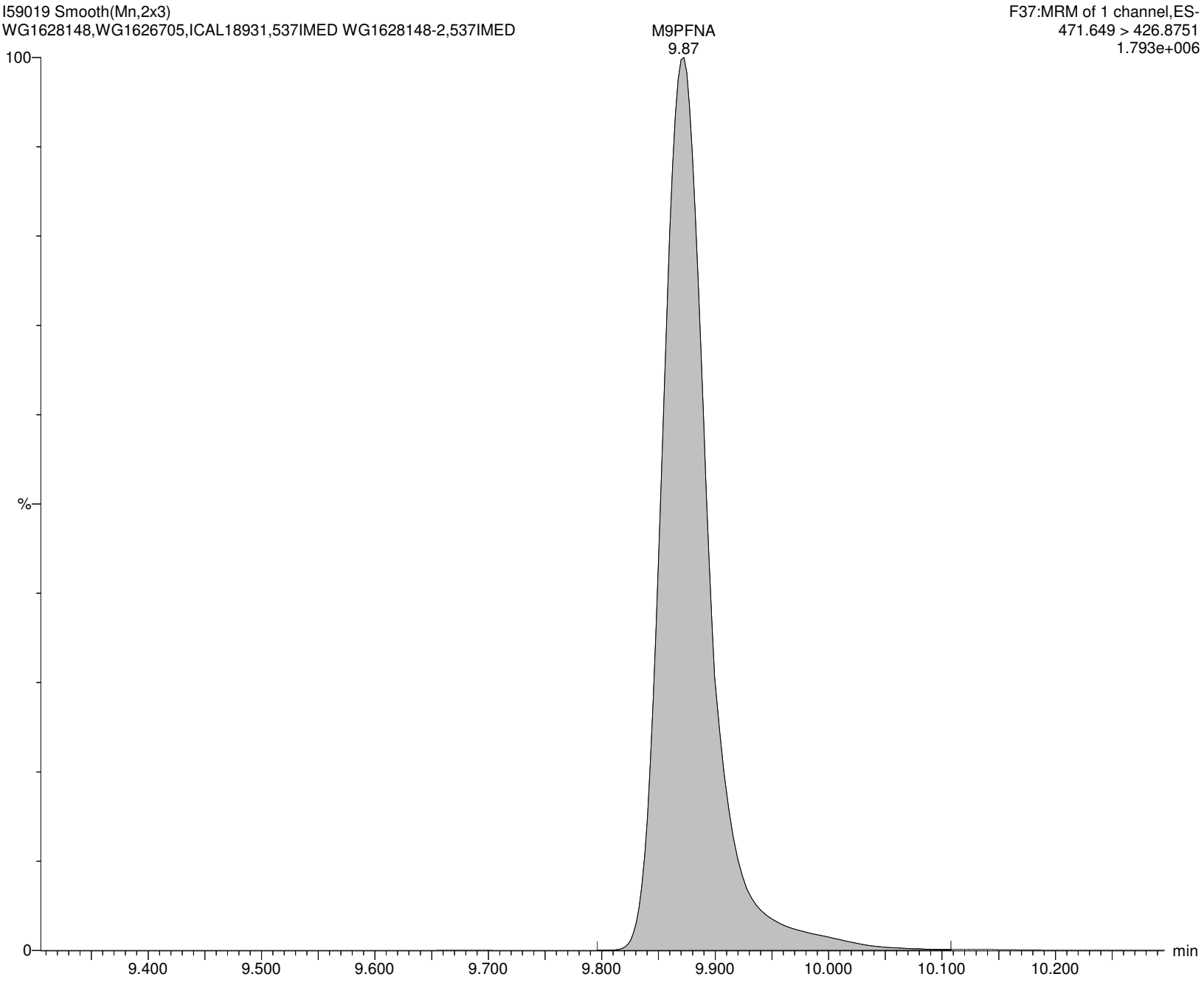


all concentration units in (ng/mL)

Alpha Analytical Inc.
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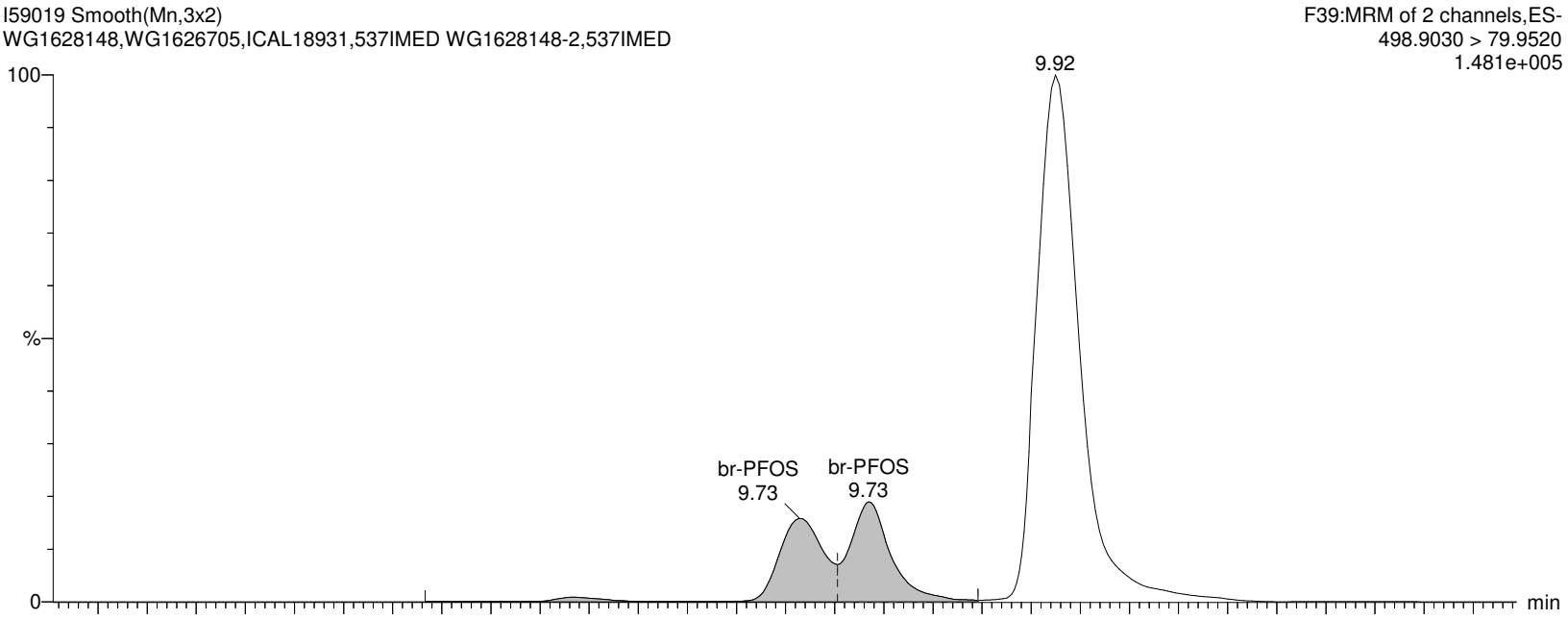


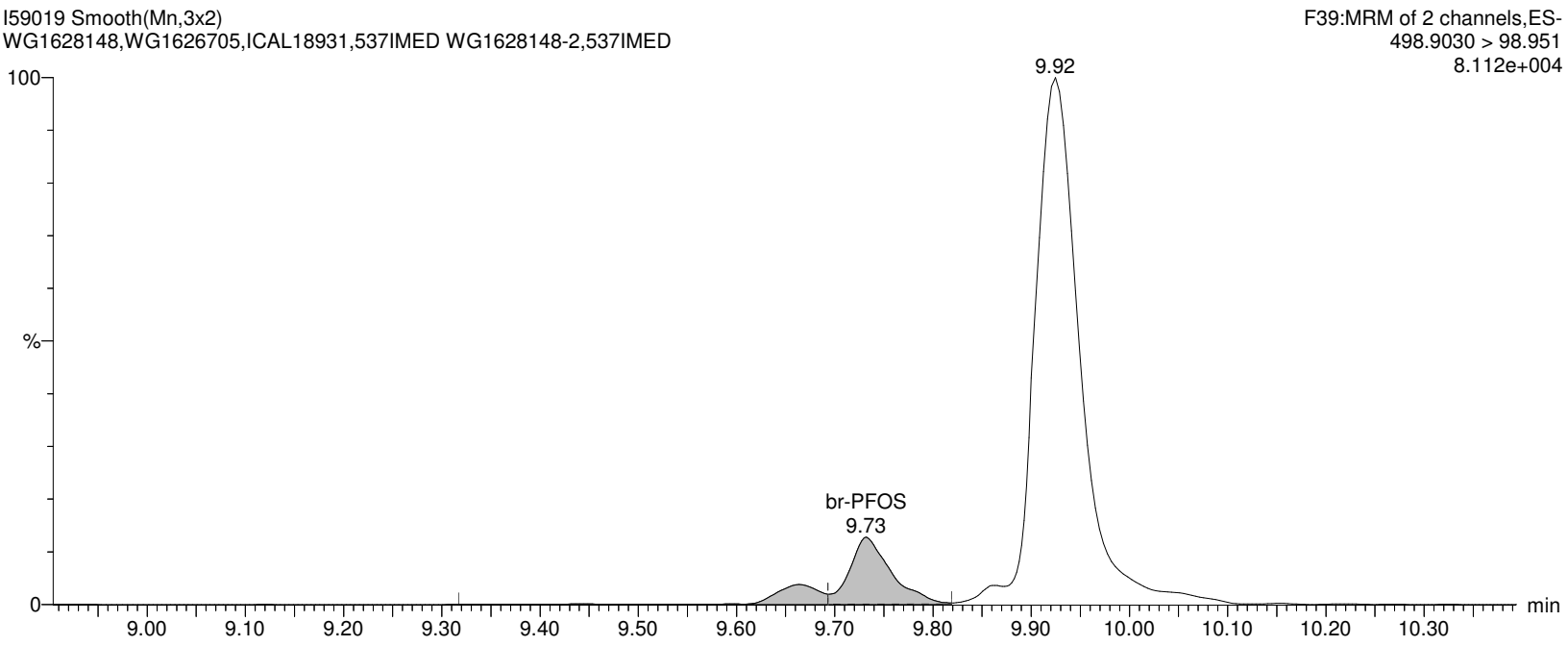
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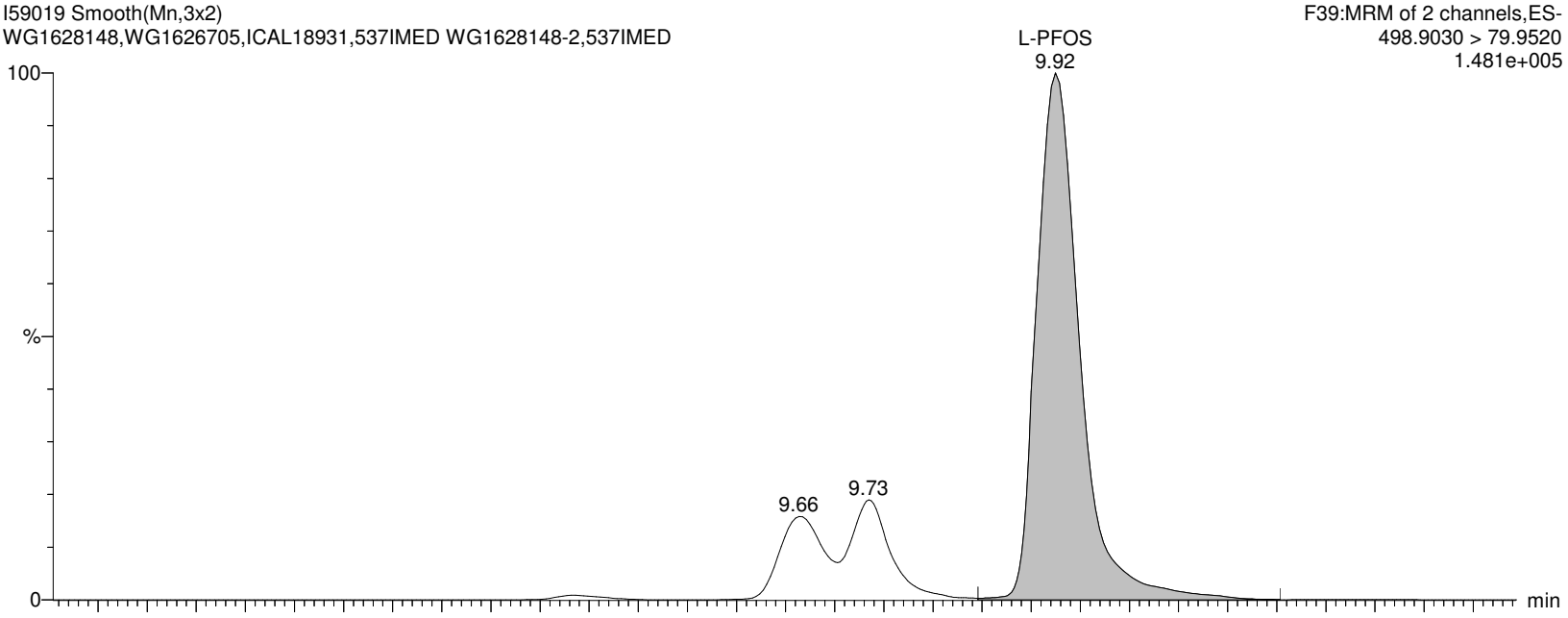


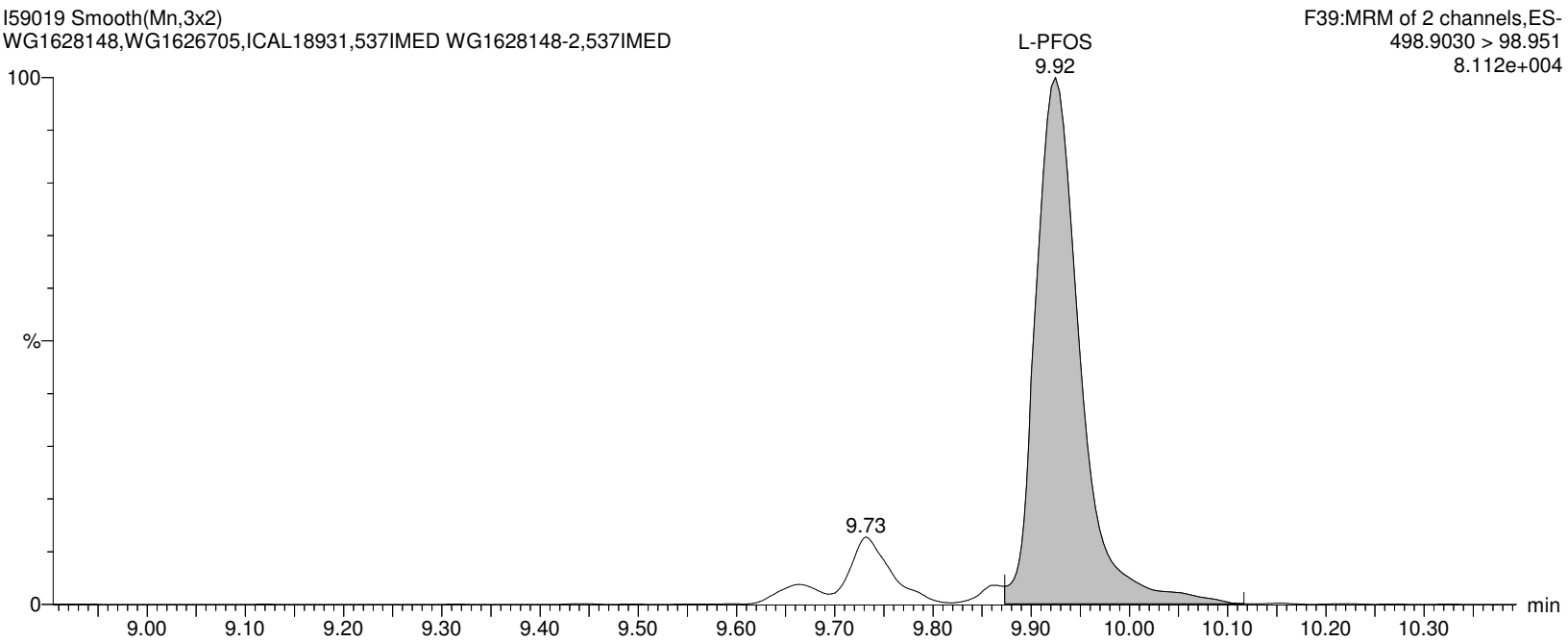
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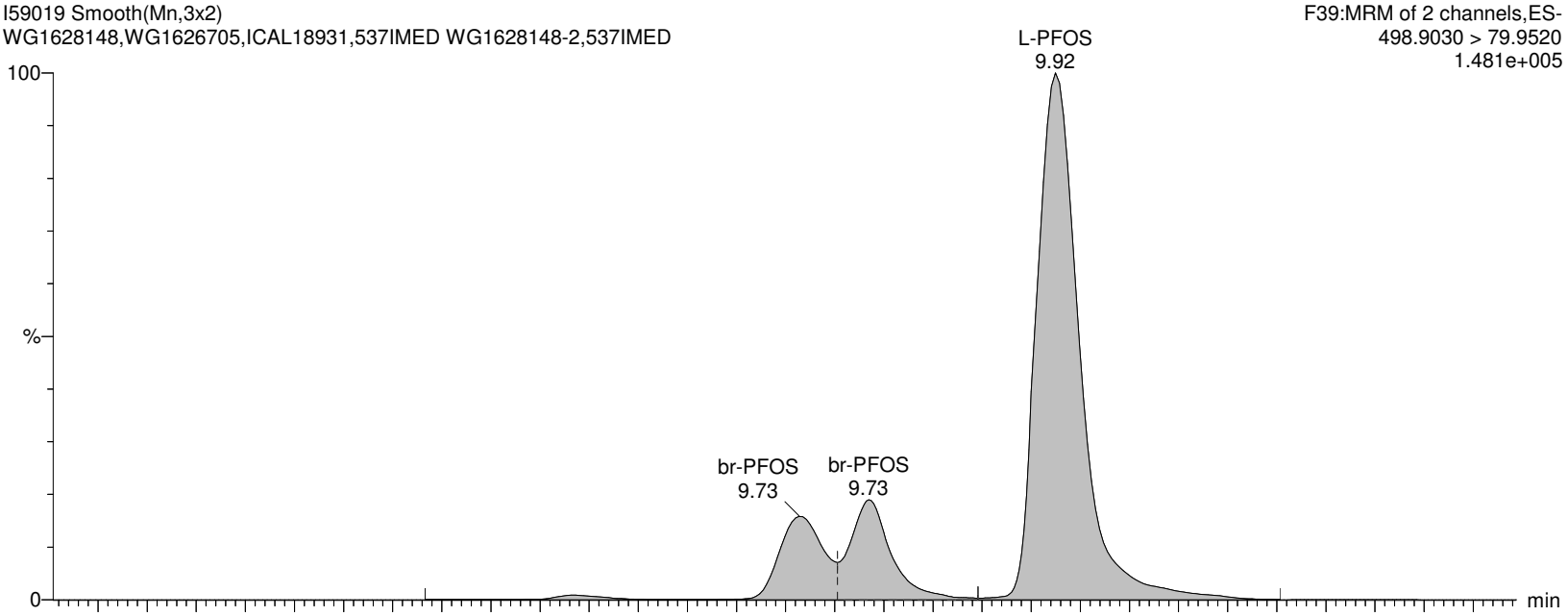


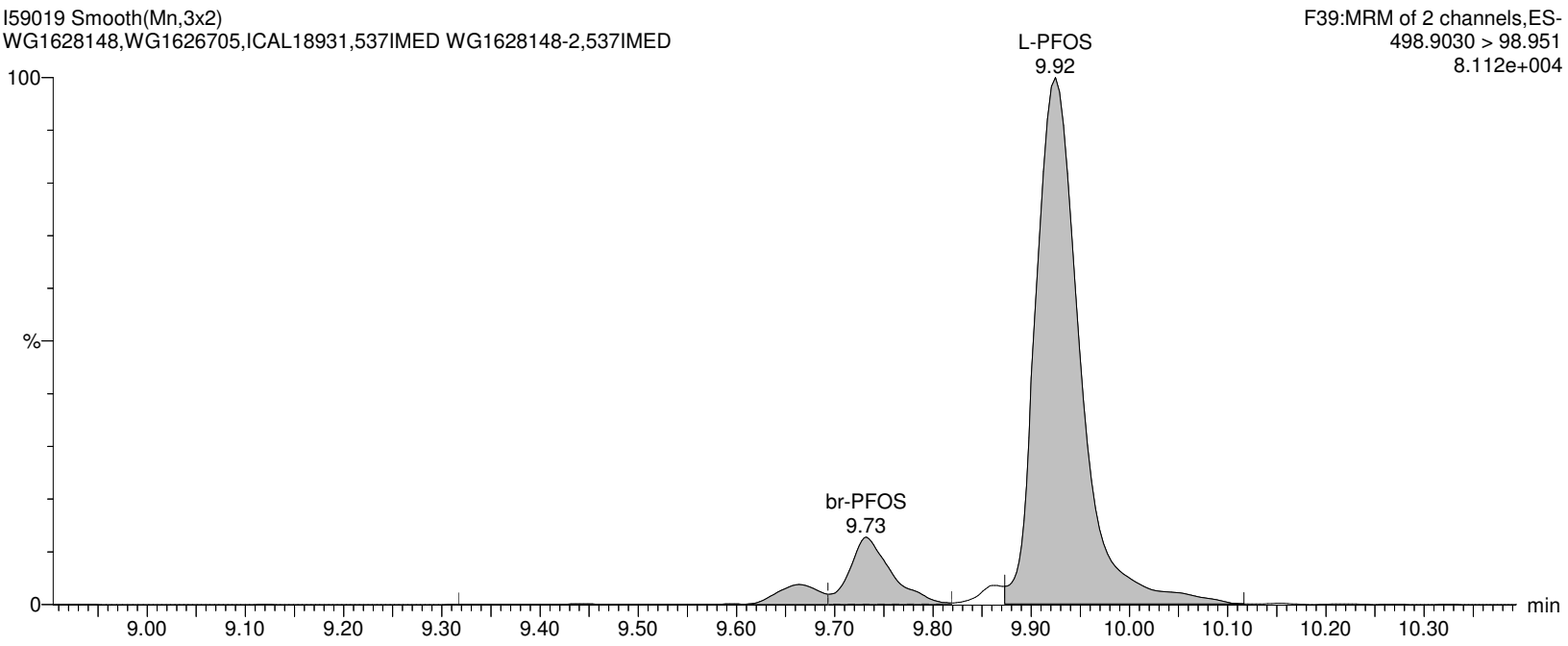
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User: LCMS02:SG
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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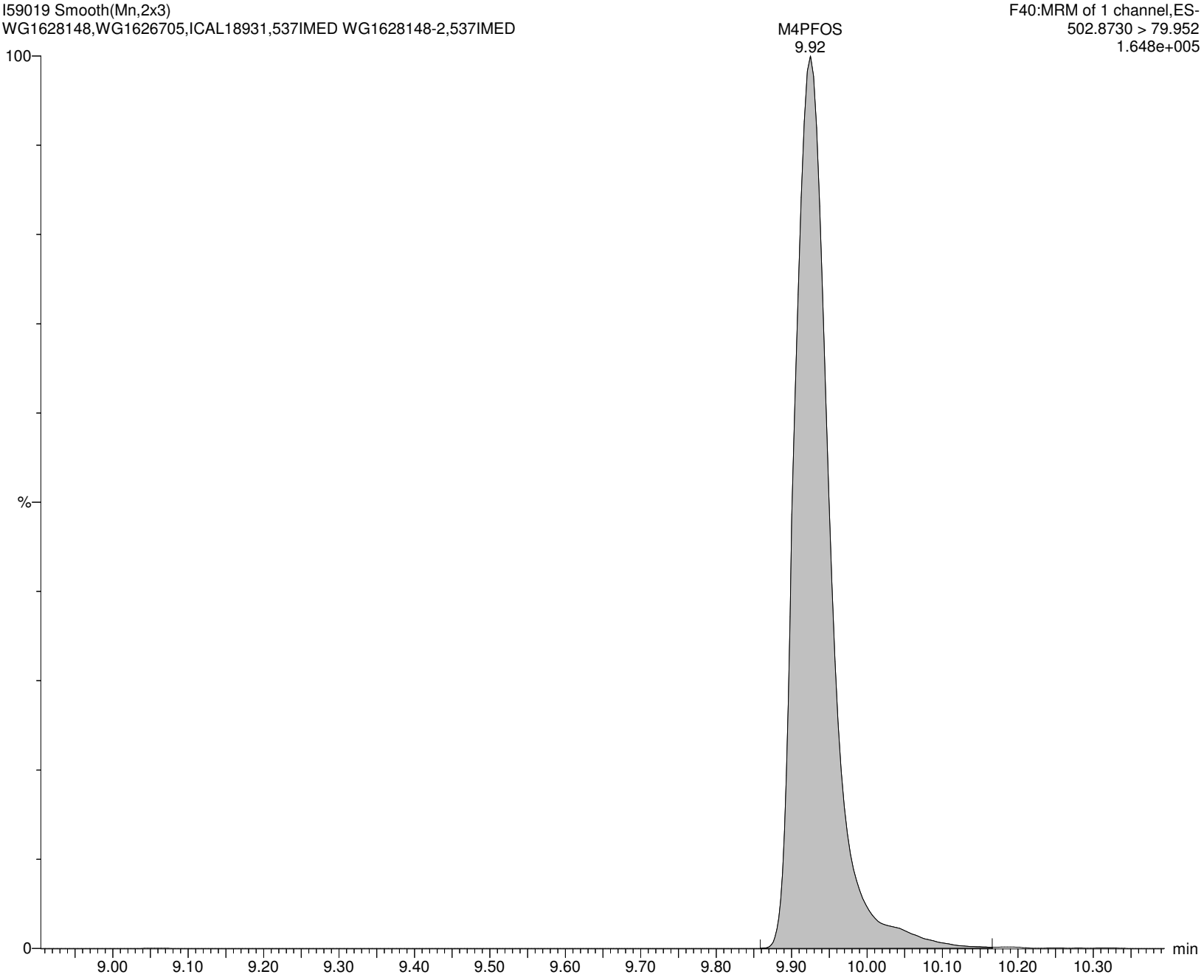


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:01:36 Eastern Daylight Time

Name: I59019
ID: WG1628148-2,537IMED
Date: 17-Apr-2022
Time: 22:32:16
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User: LCMS02:SG
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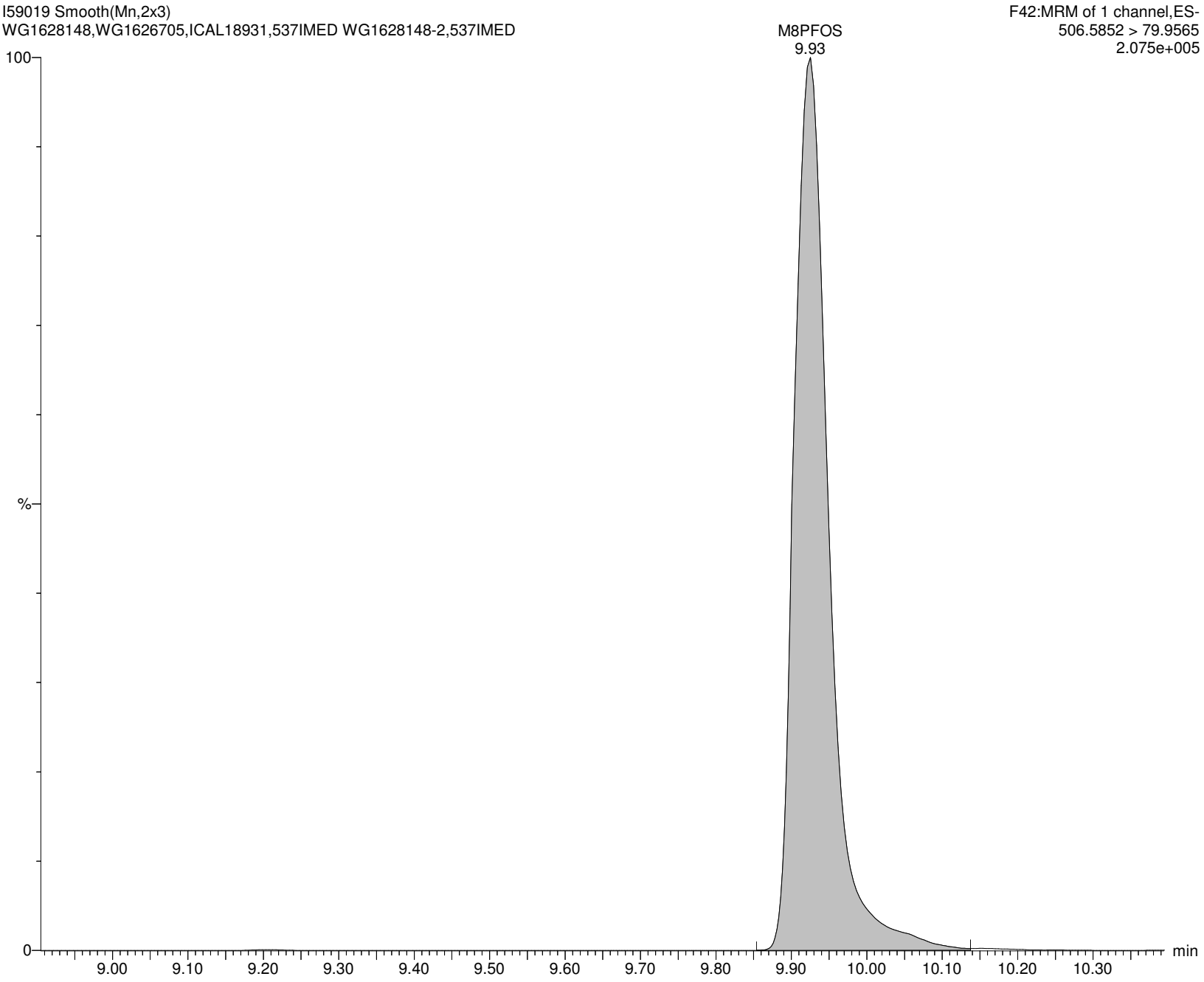


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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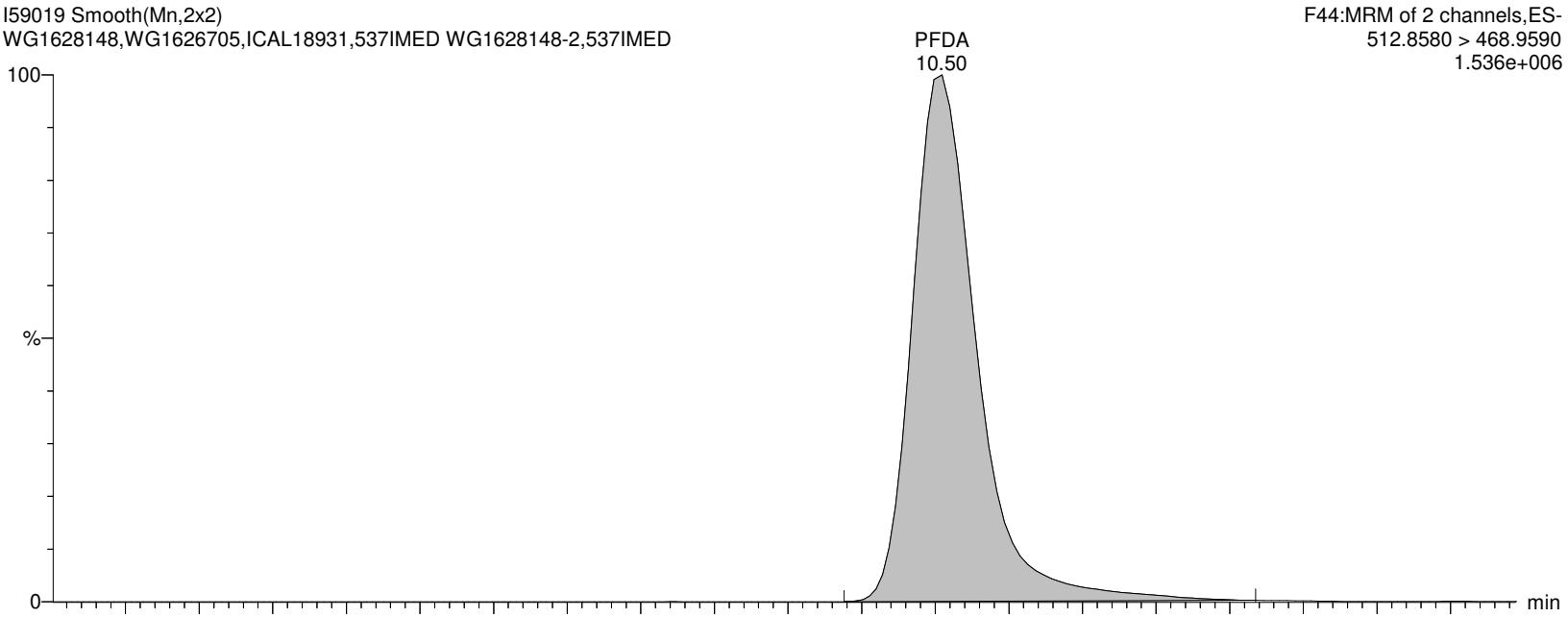


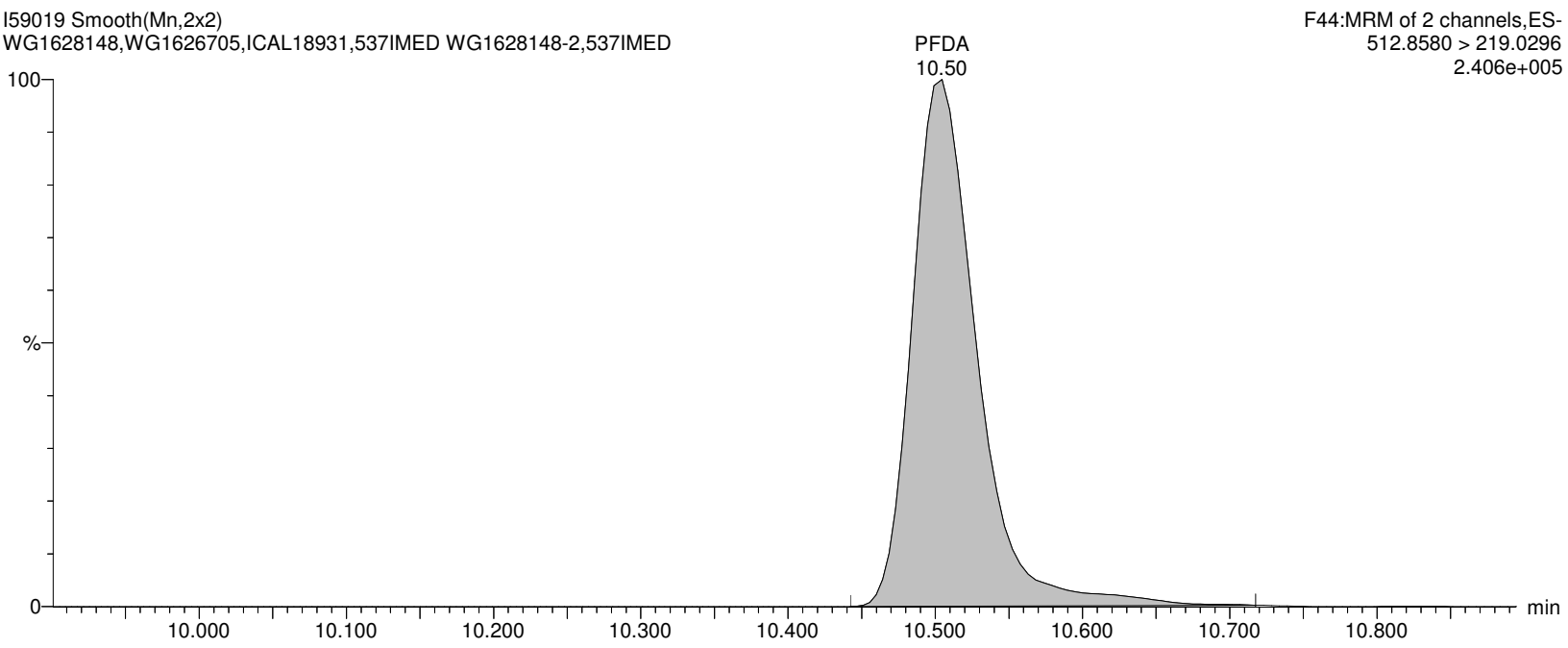
all concentration units in (ng/mL)

Alpha Analytical Inc.
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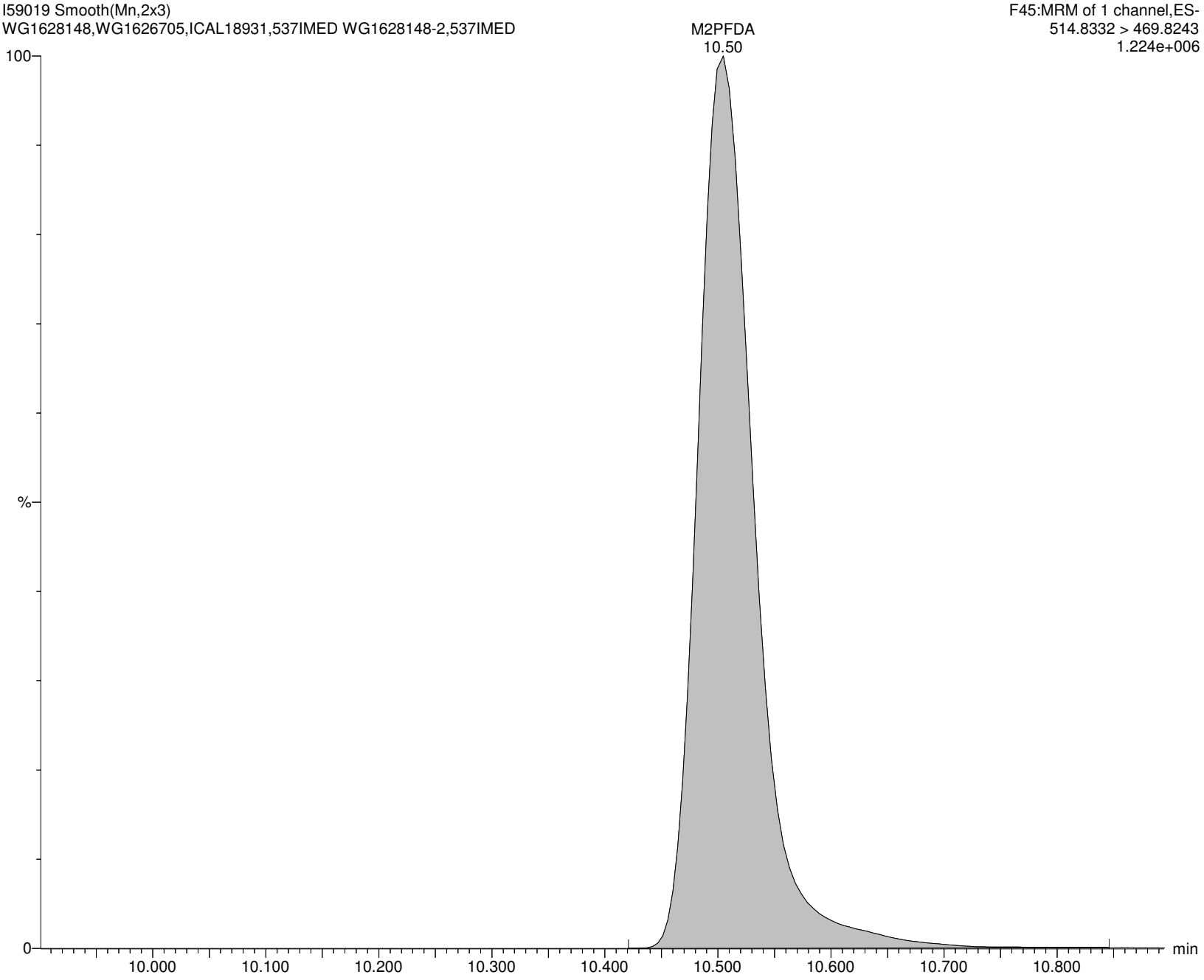


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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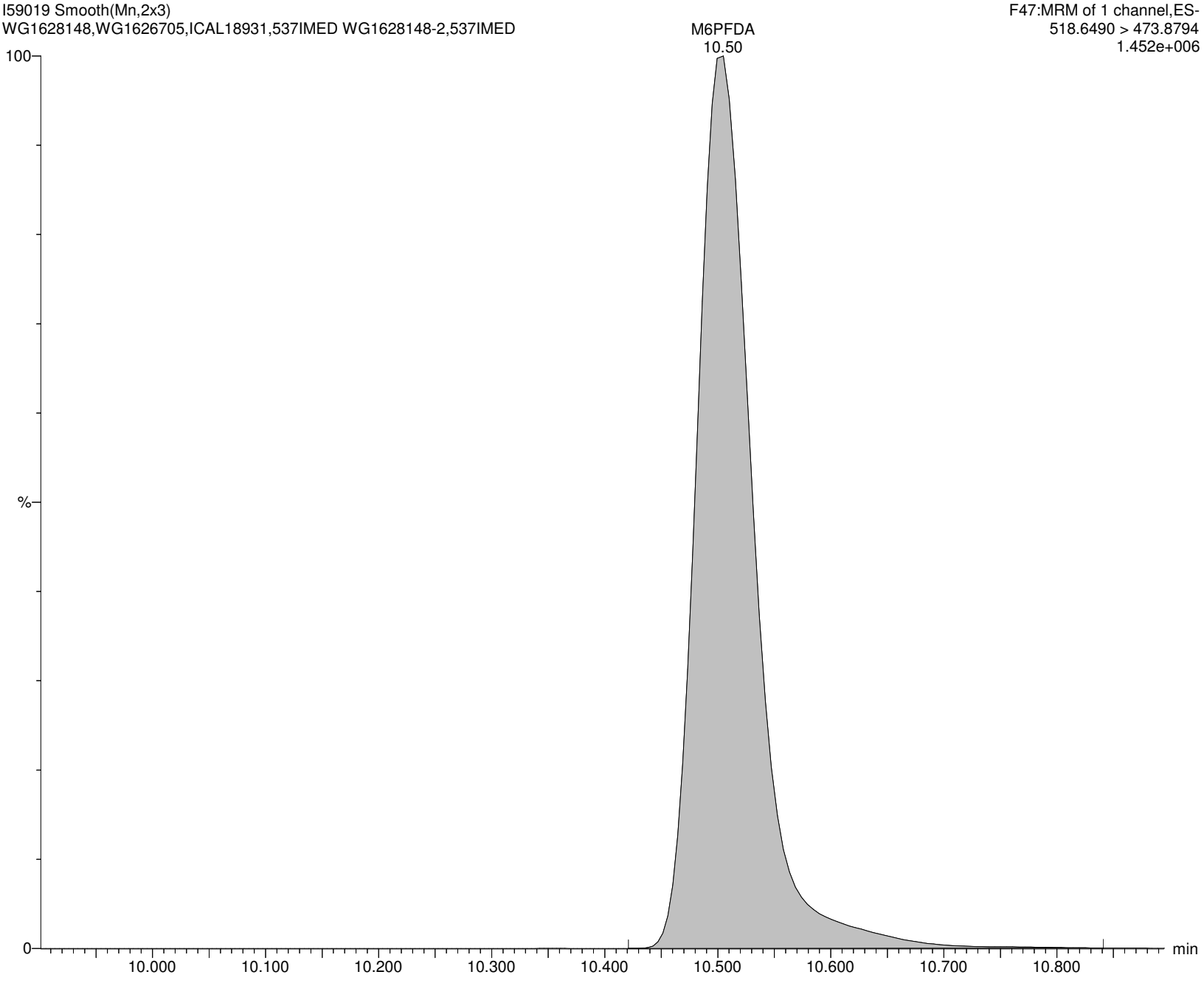


all concentration units in (ng/mL)

Alpha Analytical Inc.
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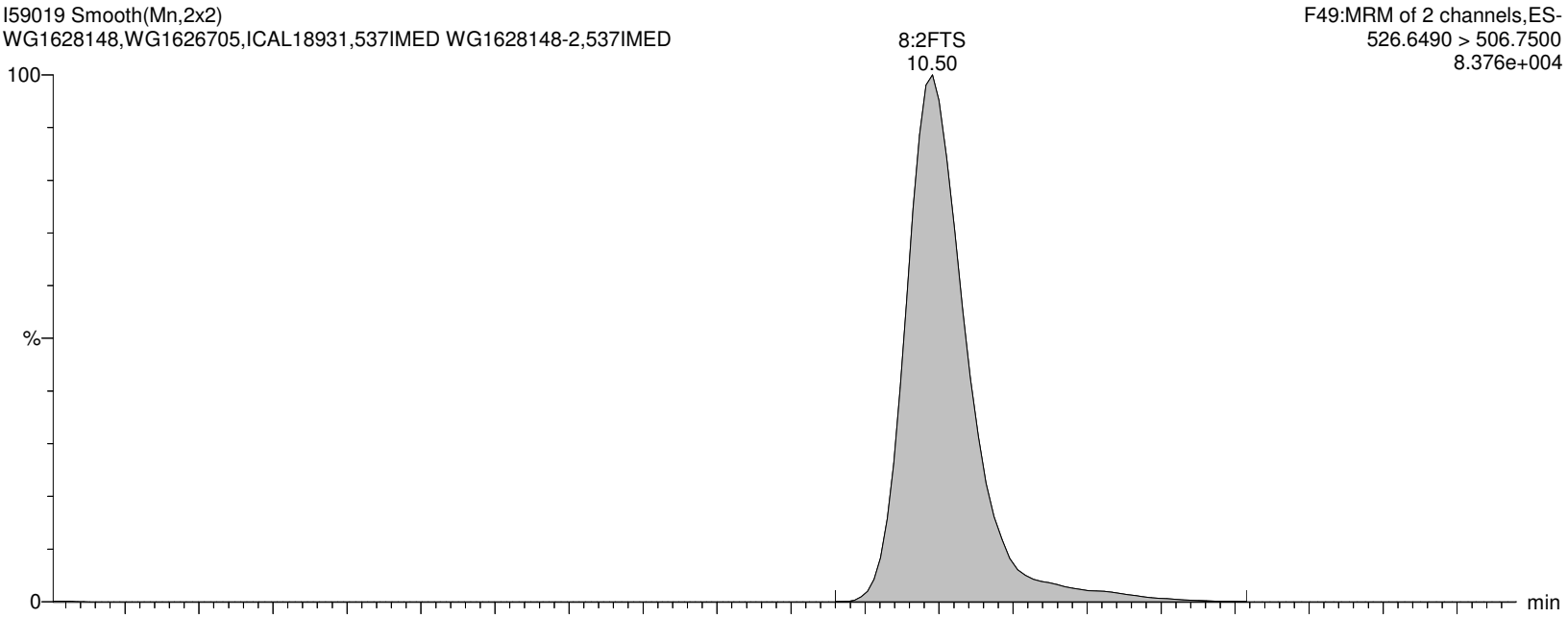


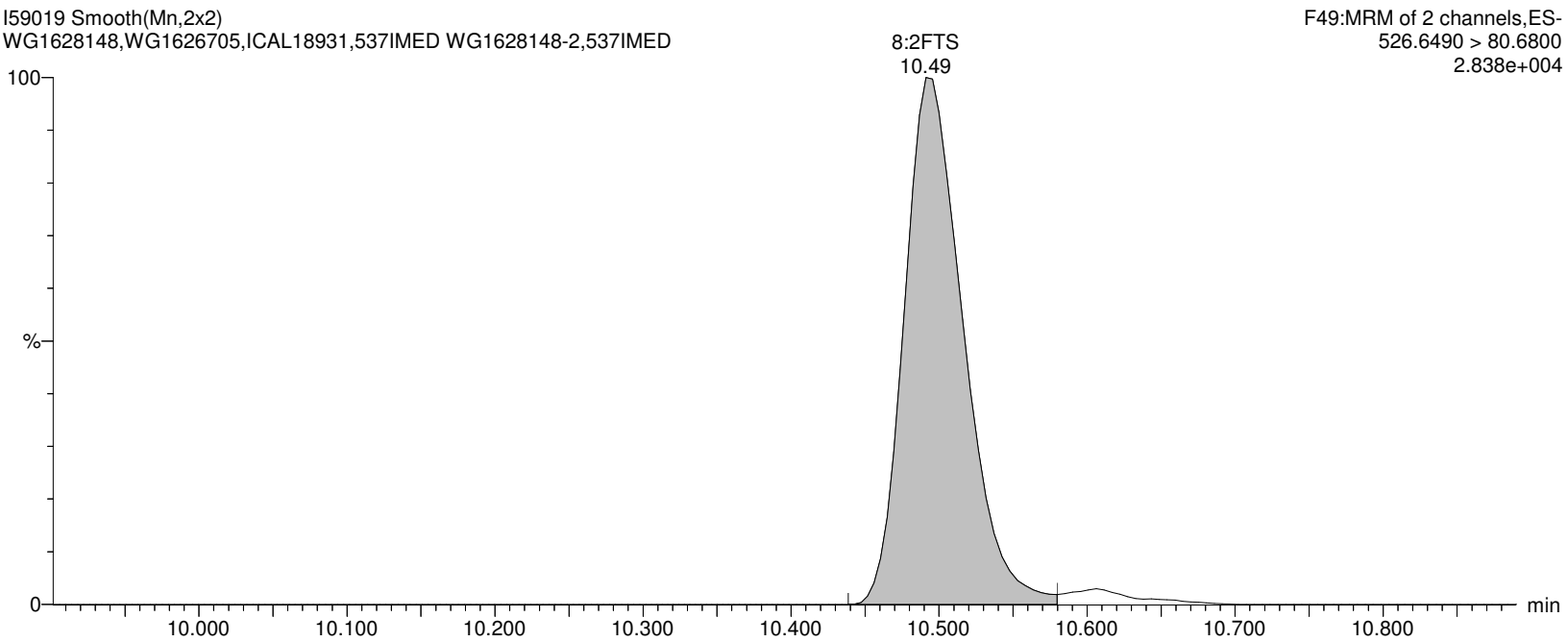
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



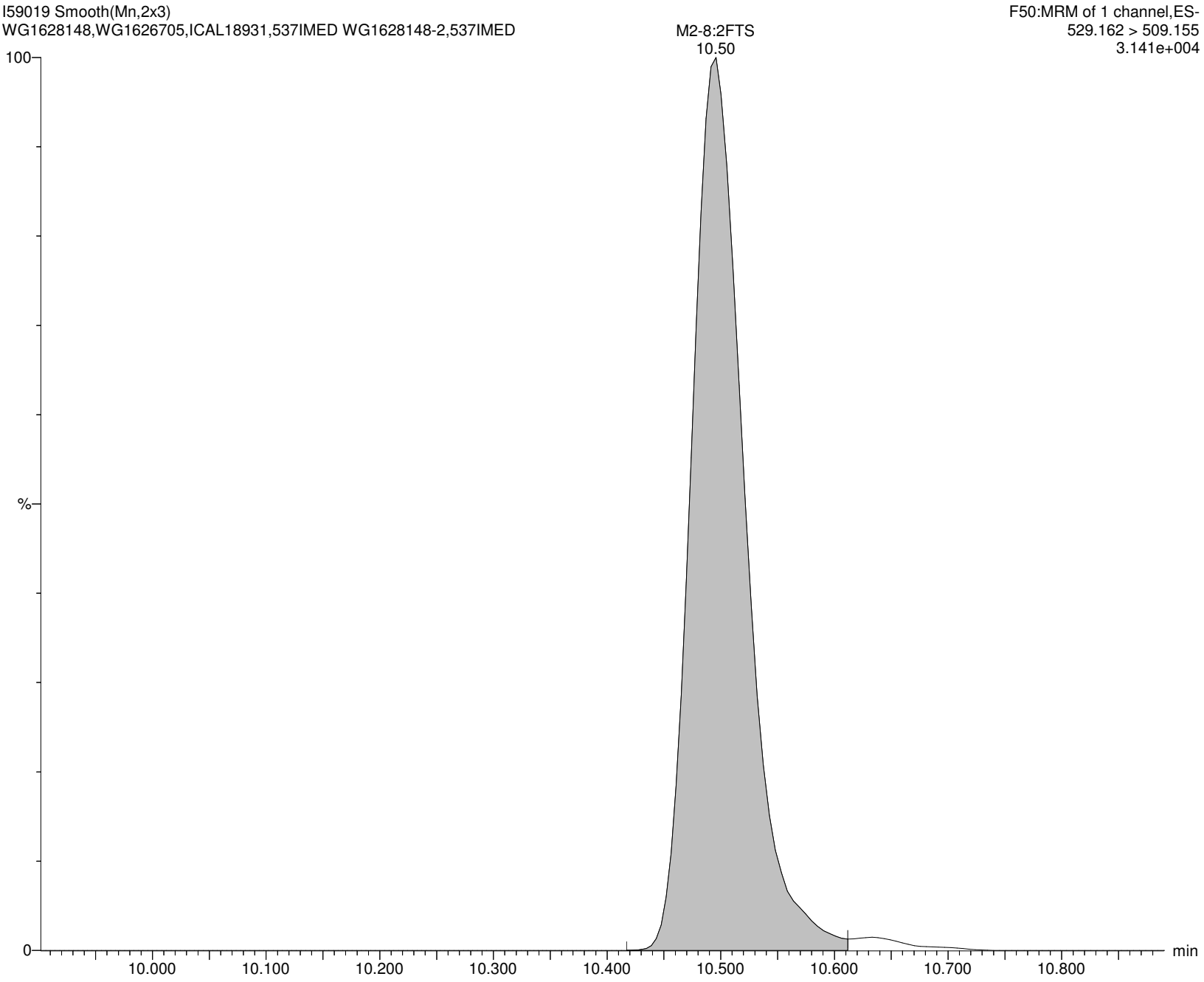


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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M2-8:2FTS

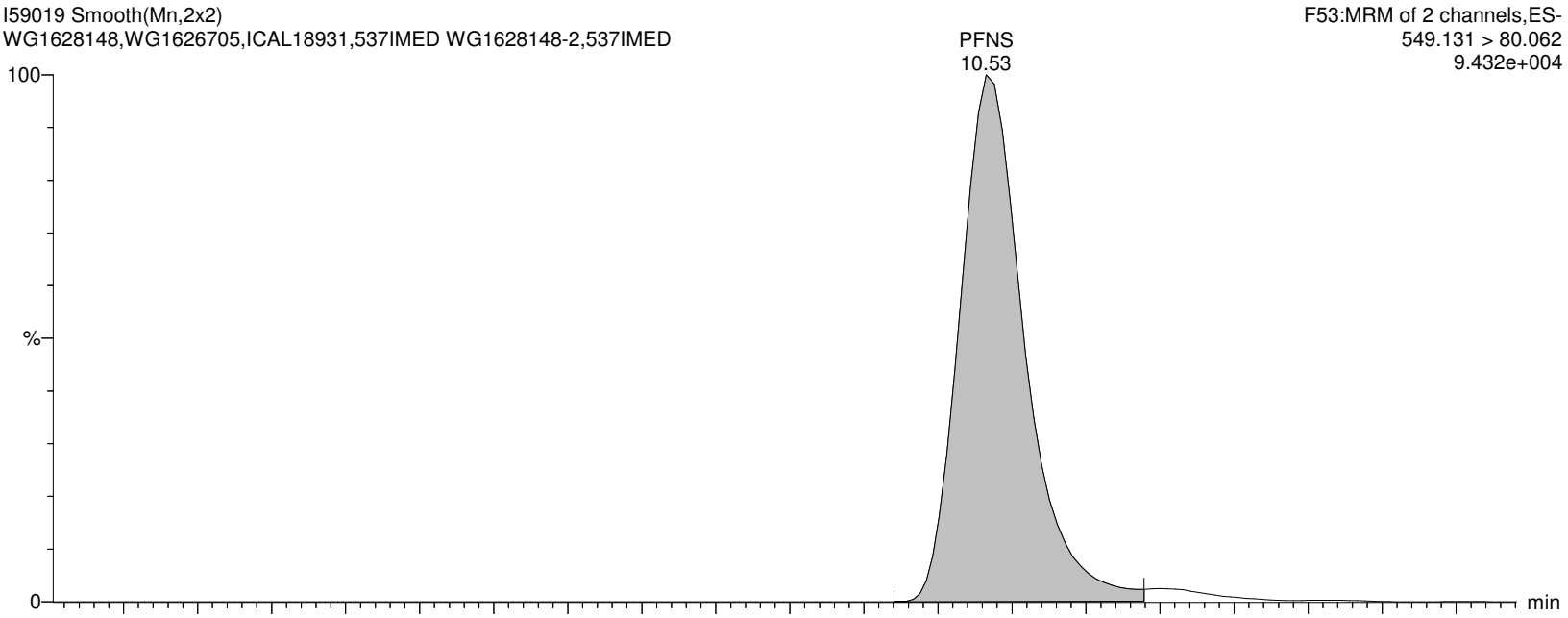


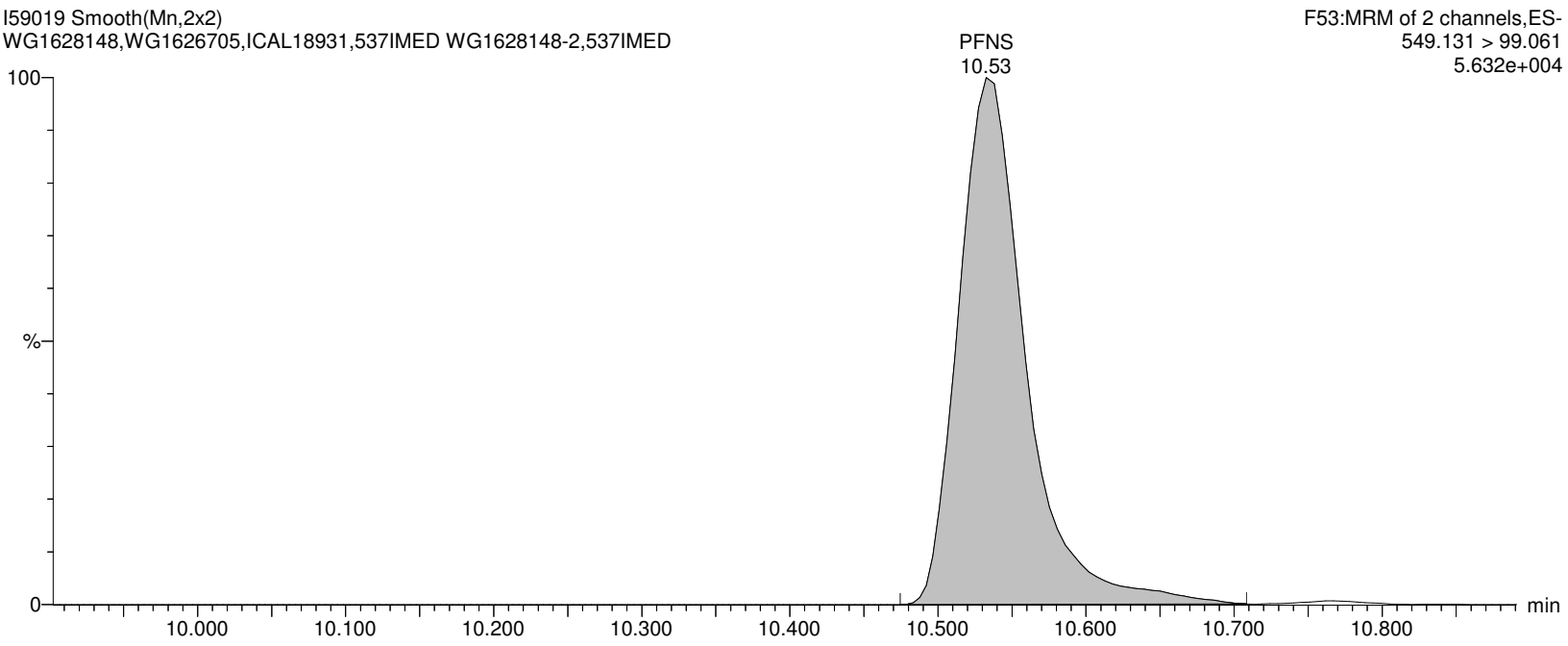
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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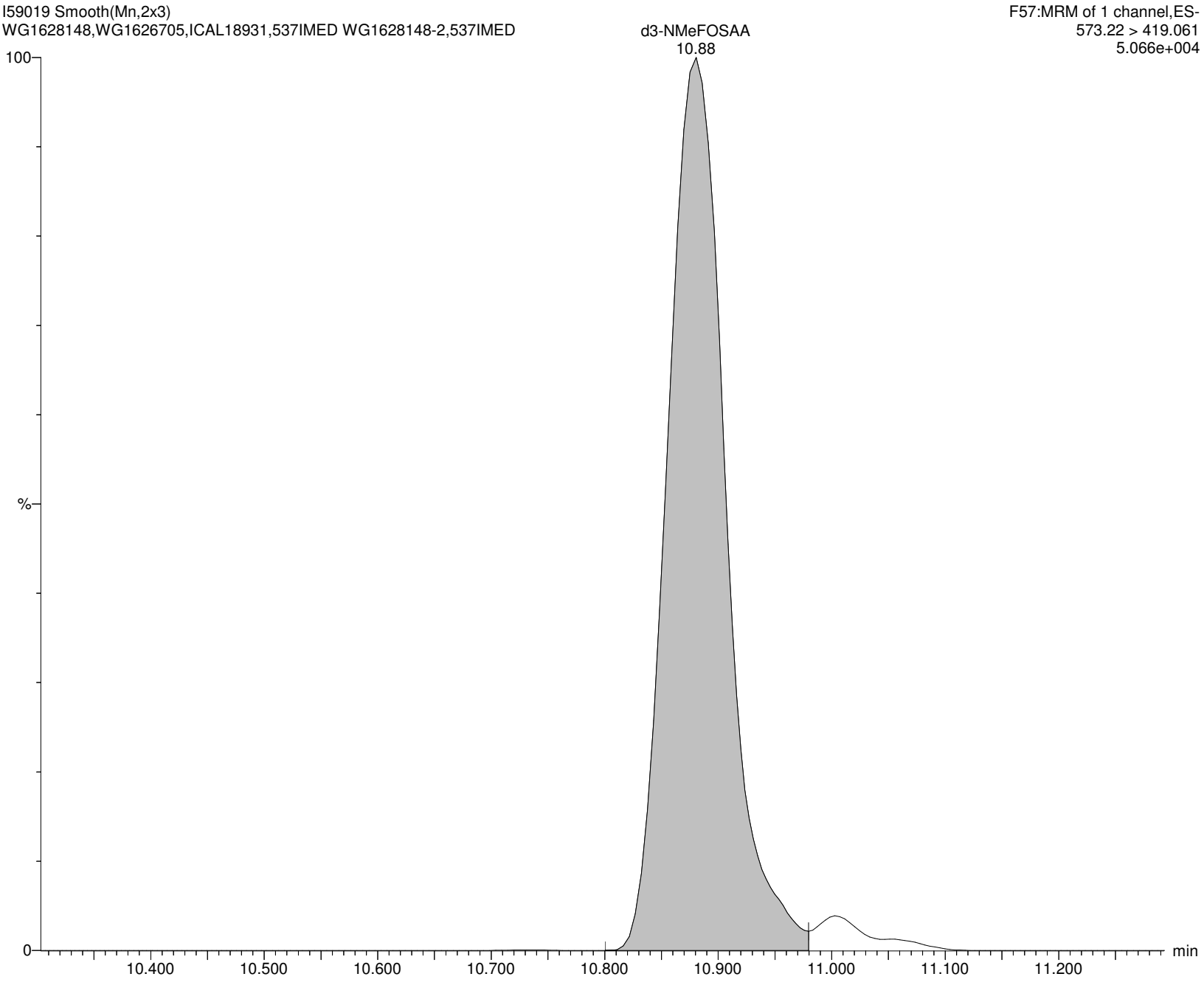


all concentration units in (ng/mL)

Alpha Analytical Inc.
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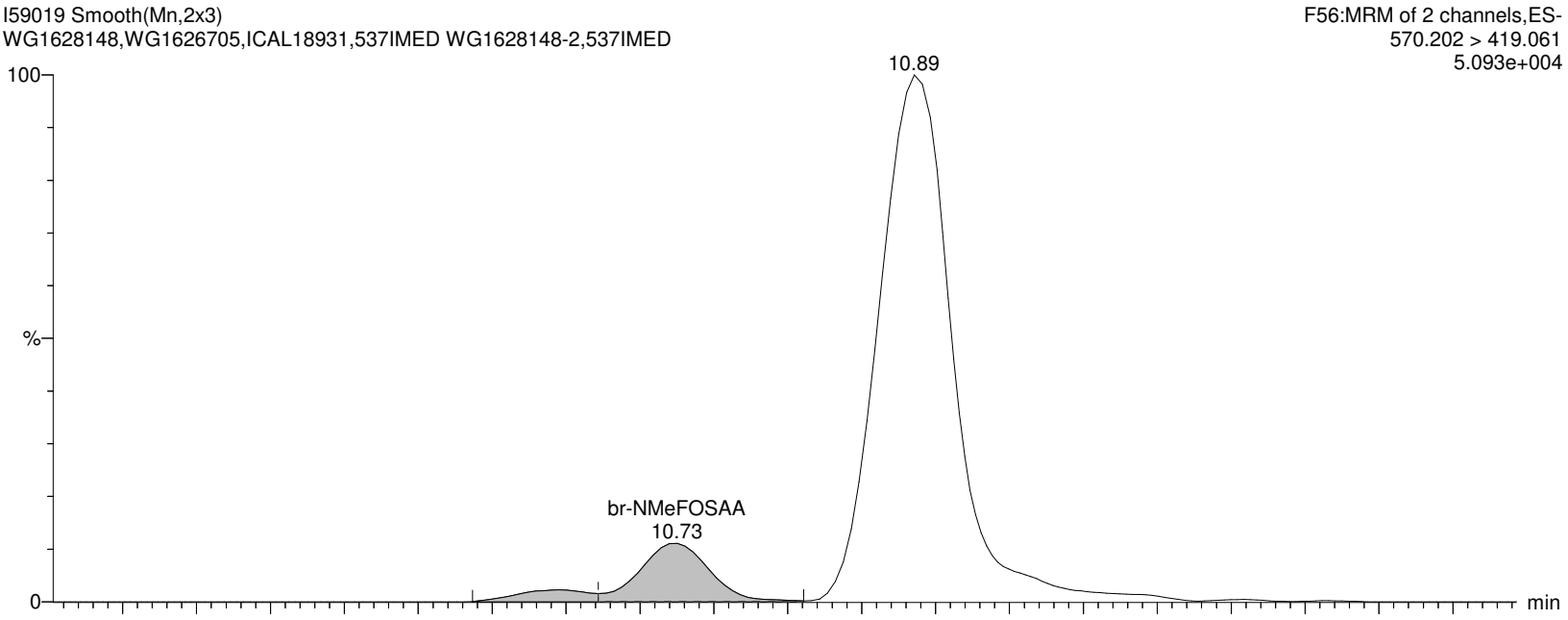


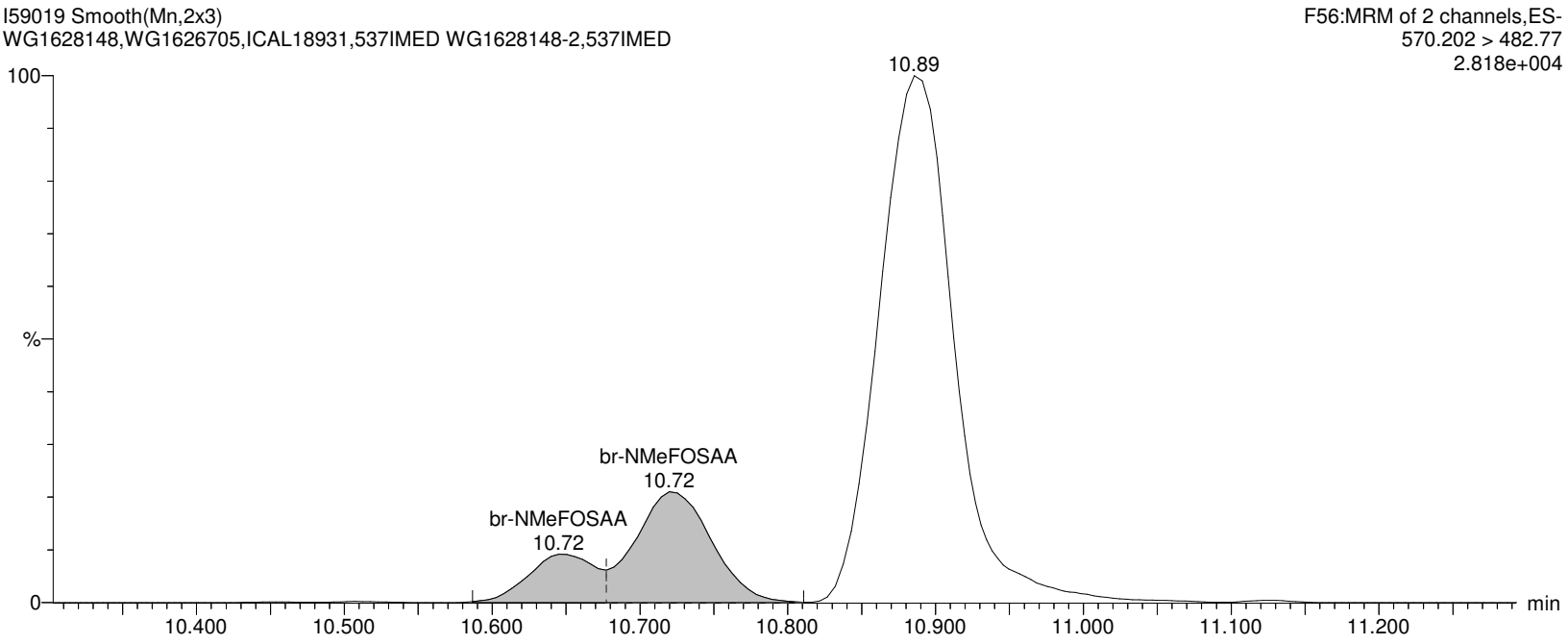
all concentration units in (ng/mL)

Alpha Analytical Inc.
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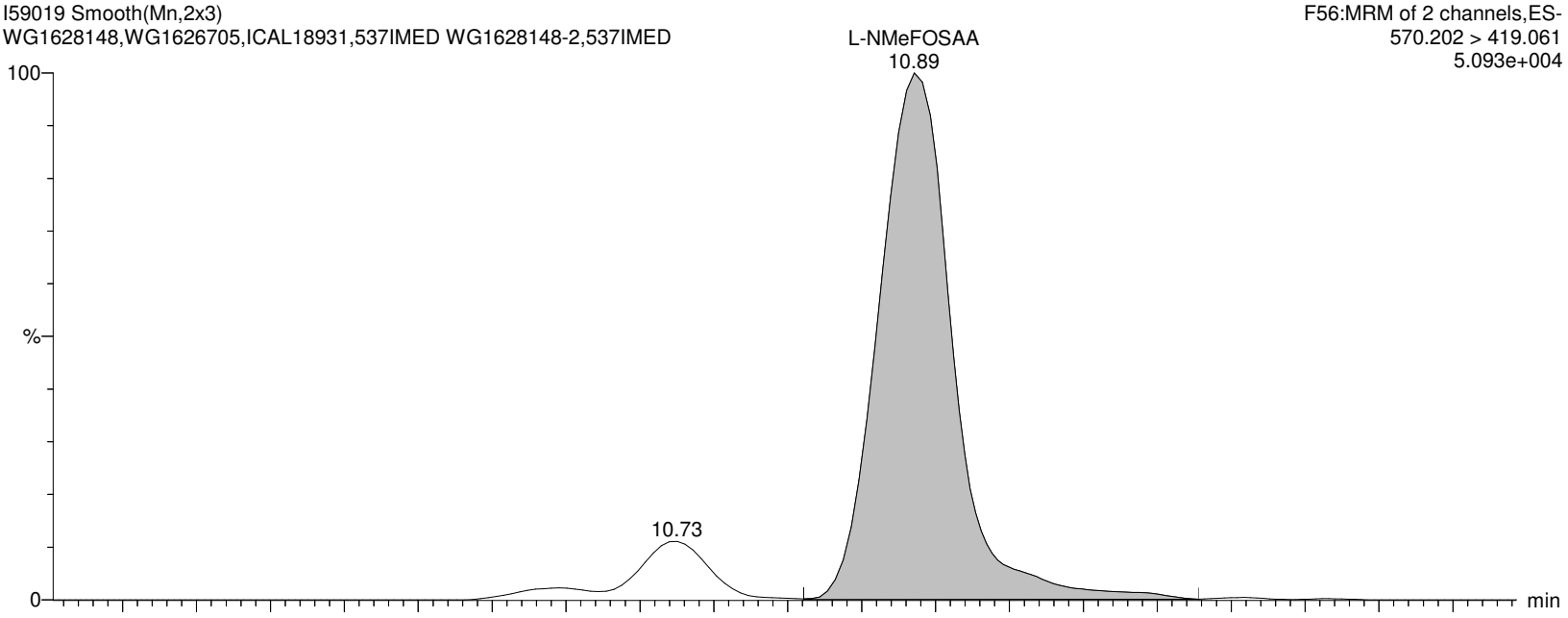


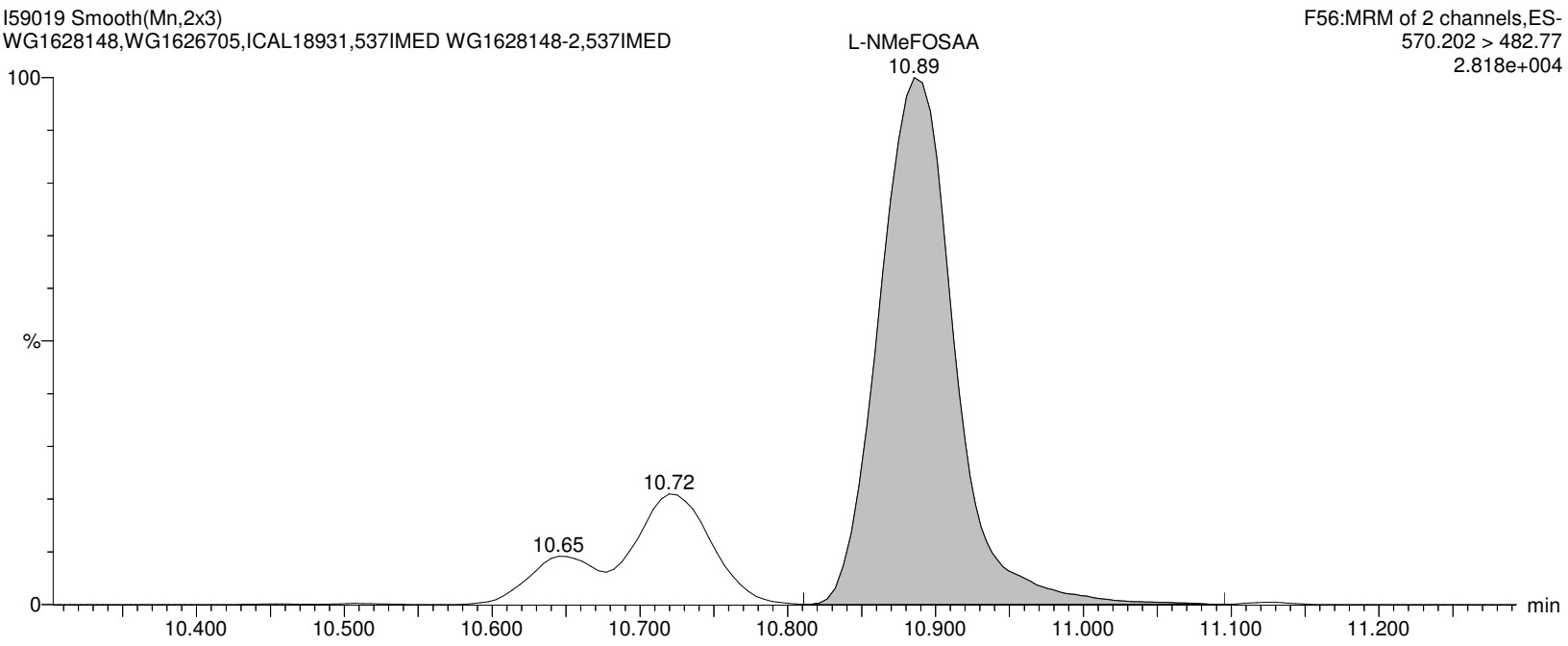
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NMeFOSAA



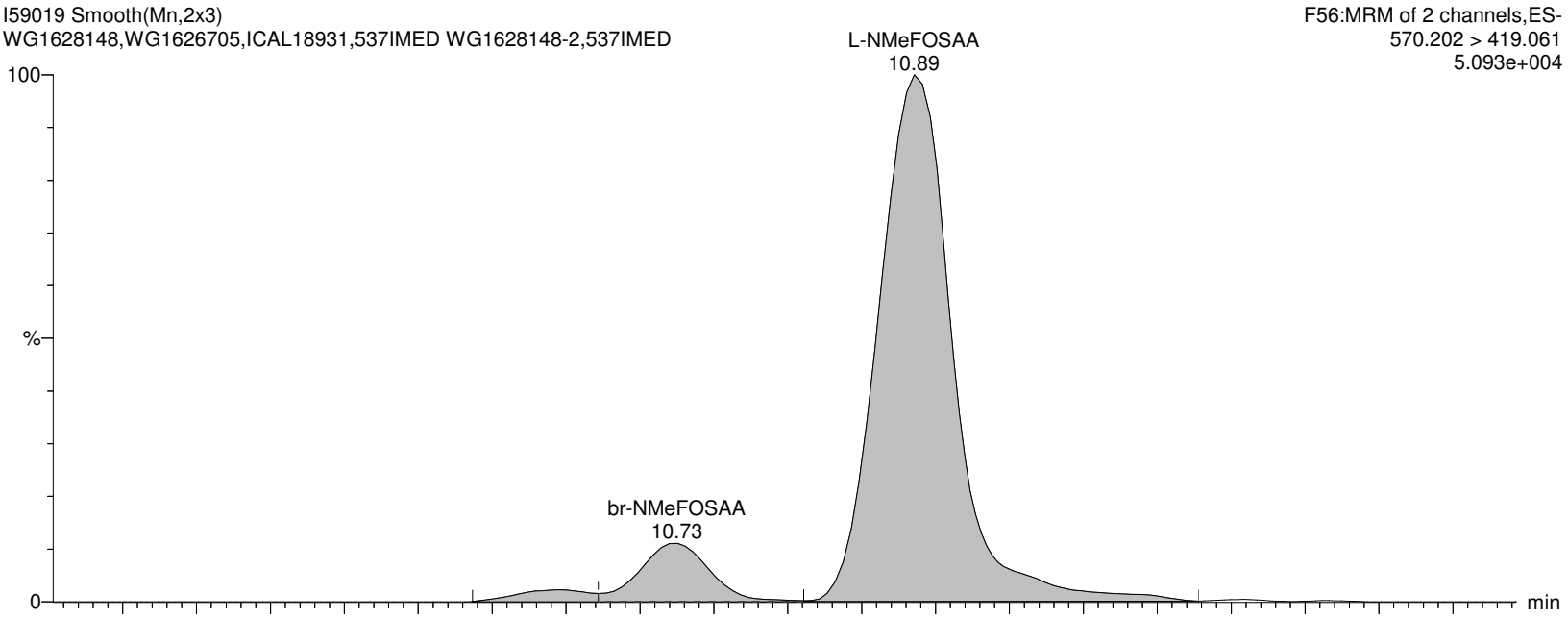


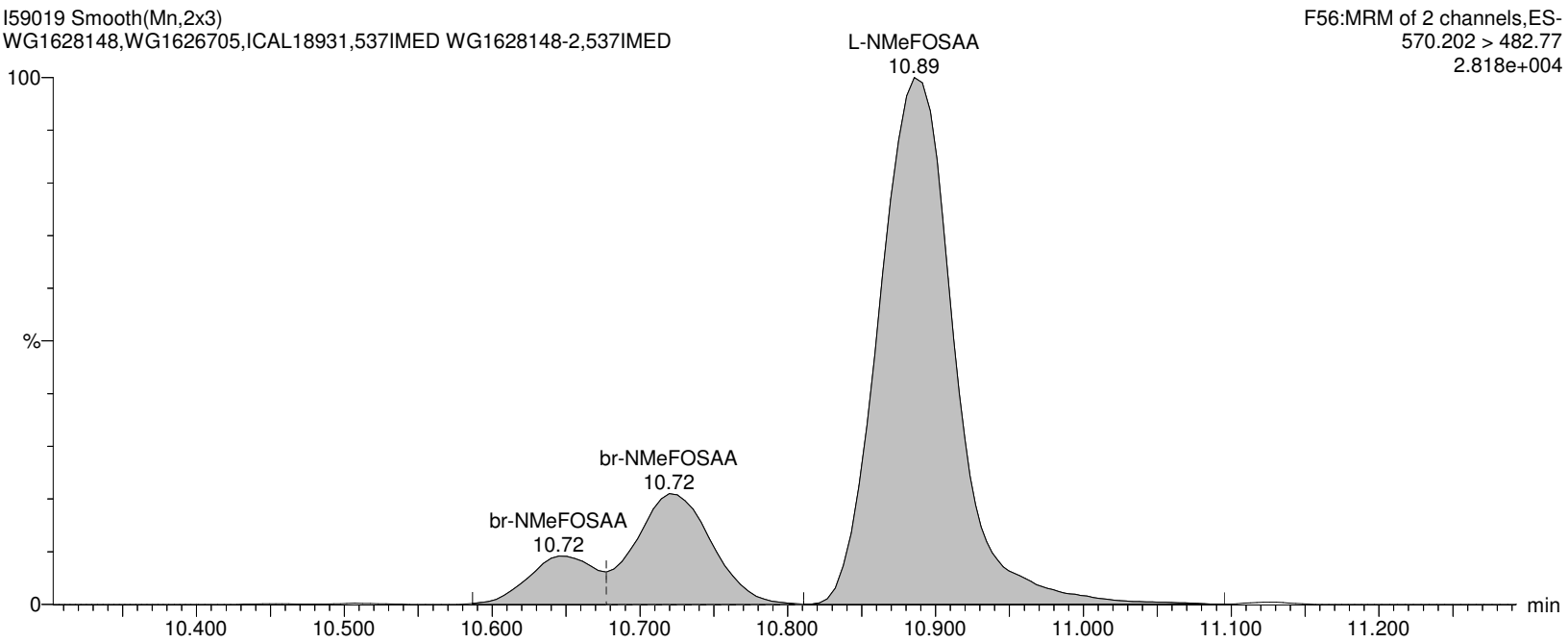
all concentration units in (ng/mL)

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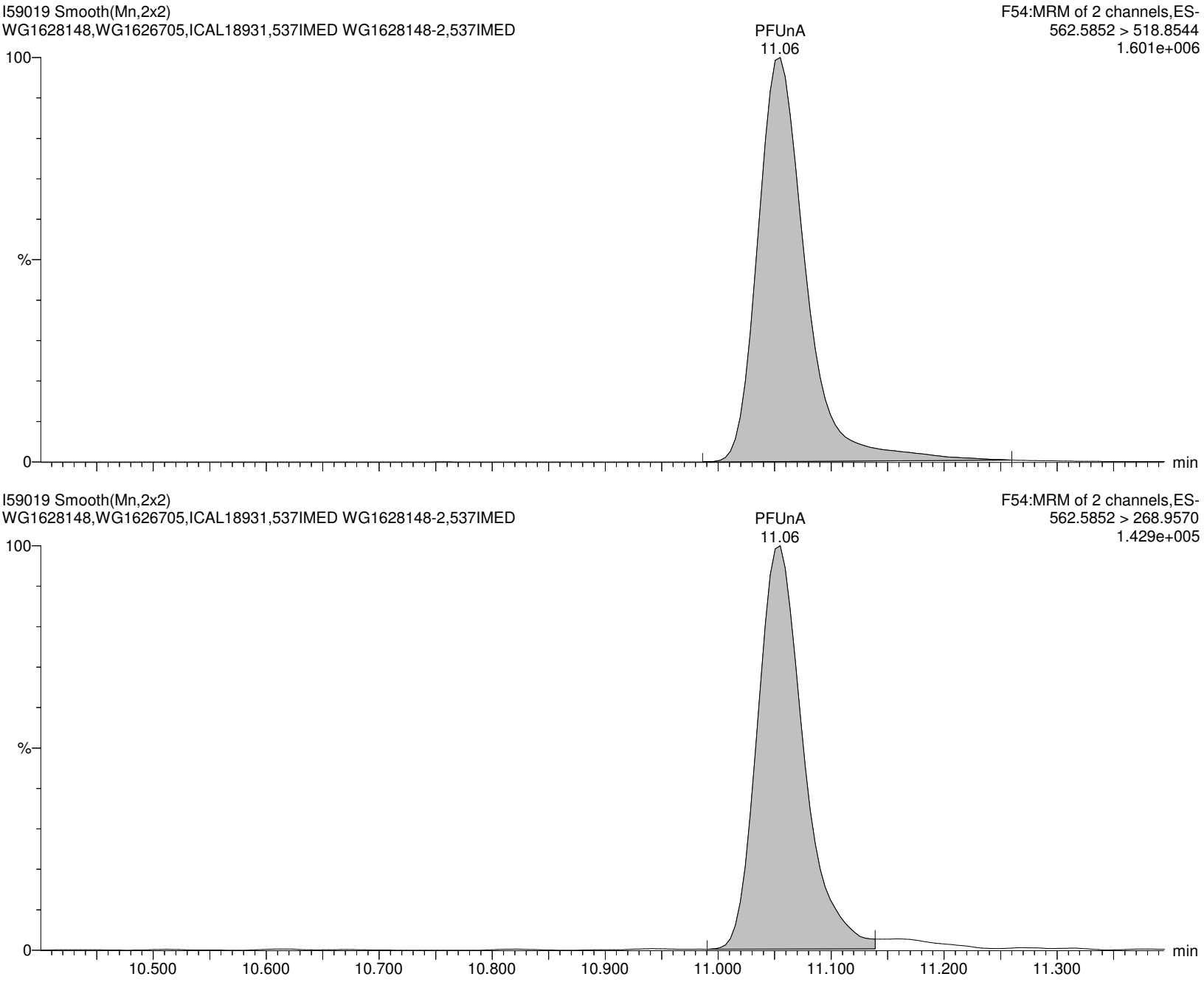


all concentration units in (ng/mL)

Alpha Analytical Inc.
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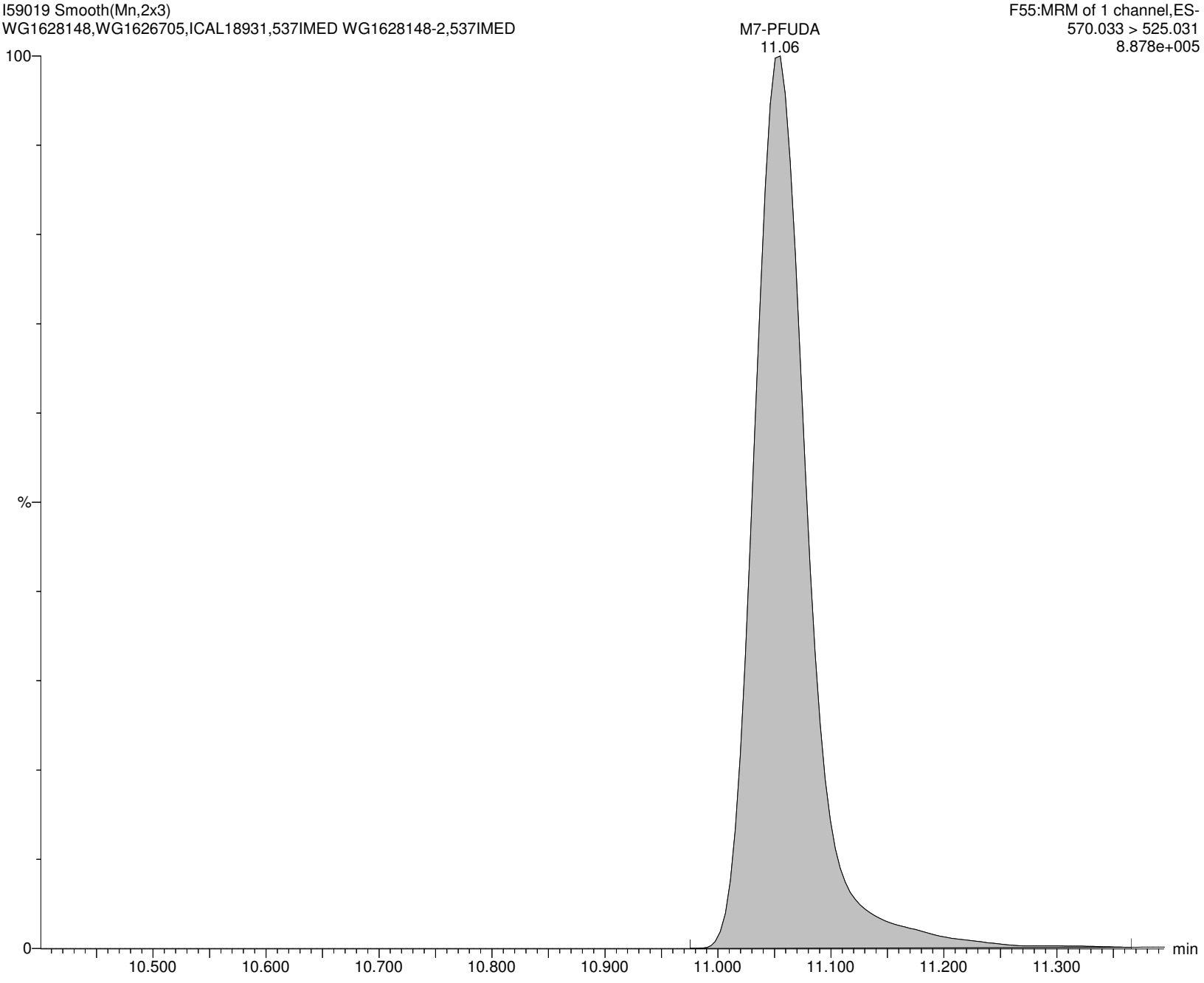


all concentration units in (ng/mL)

Alpha Analytical Inc.
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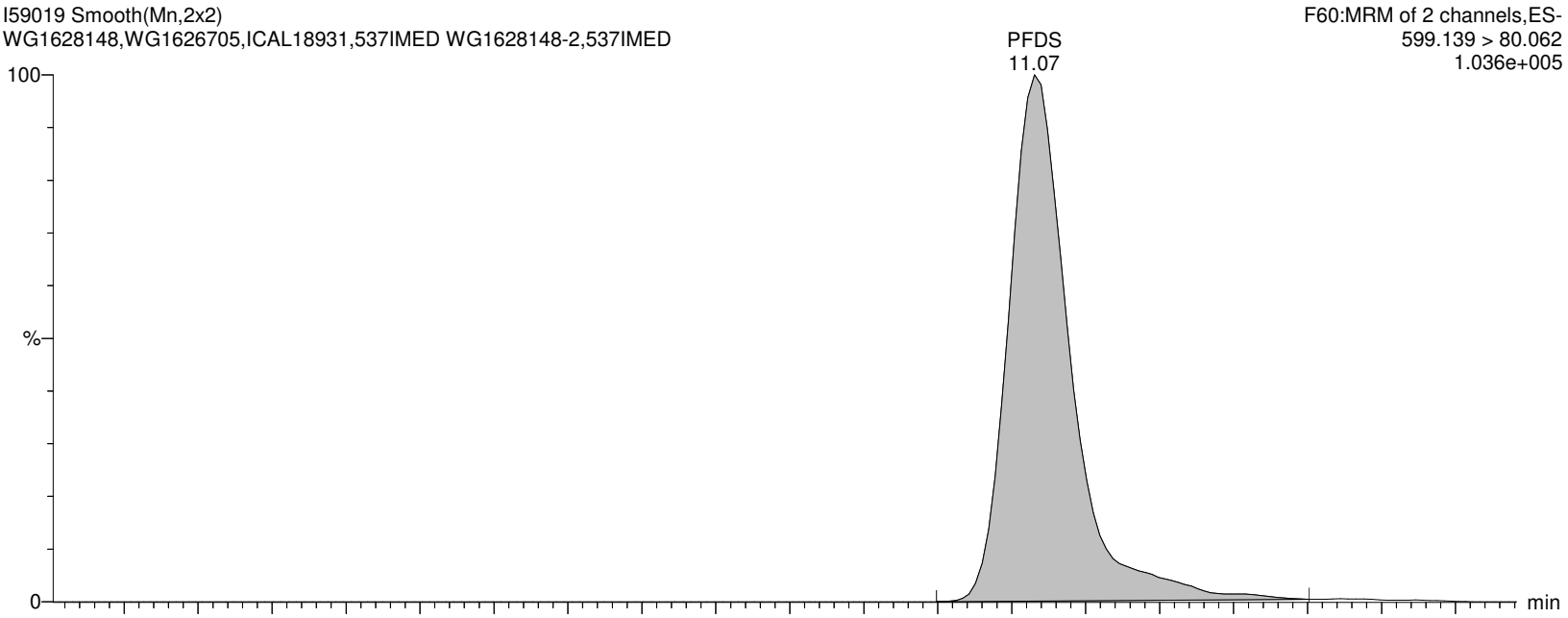


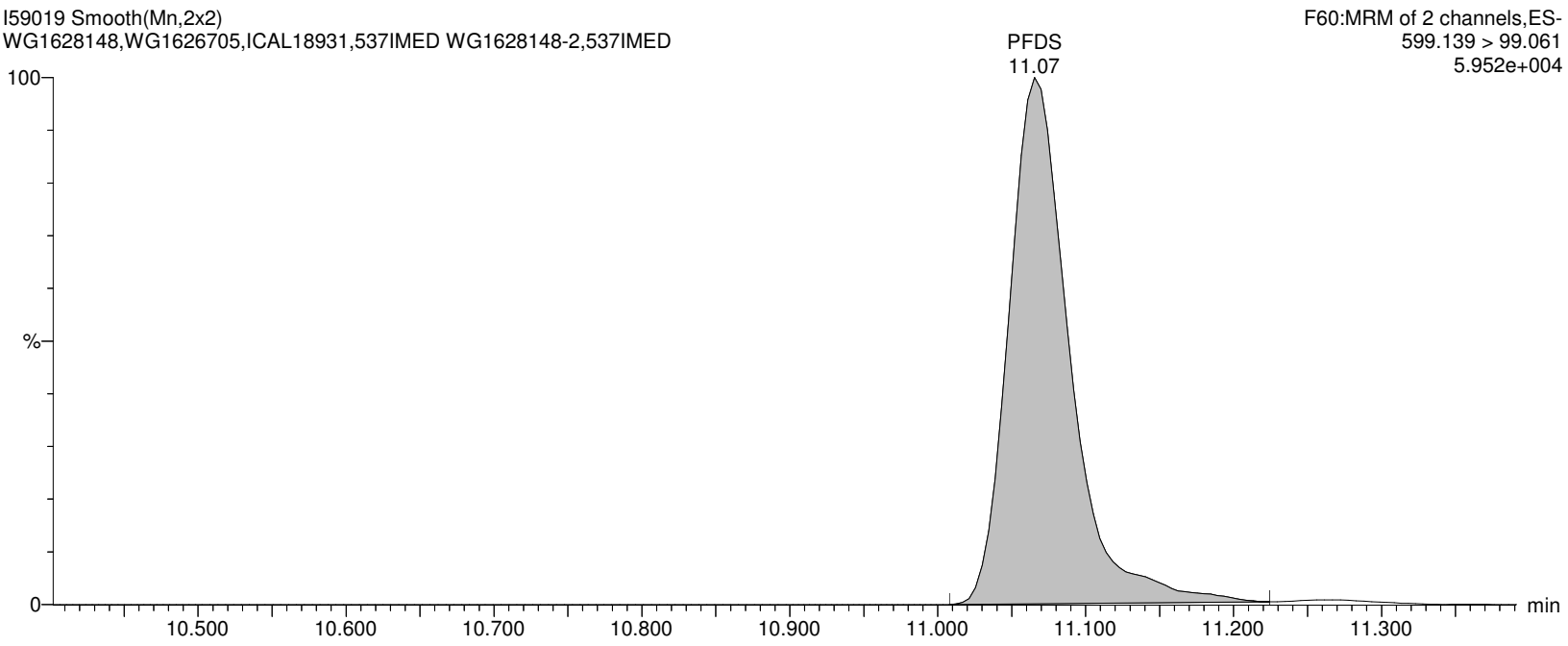
all concentration units in (ng/mL)

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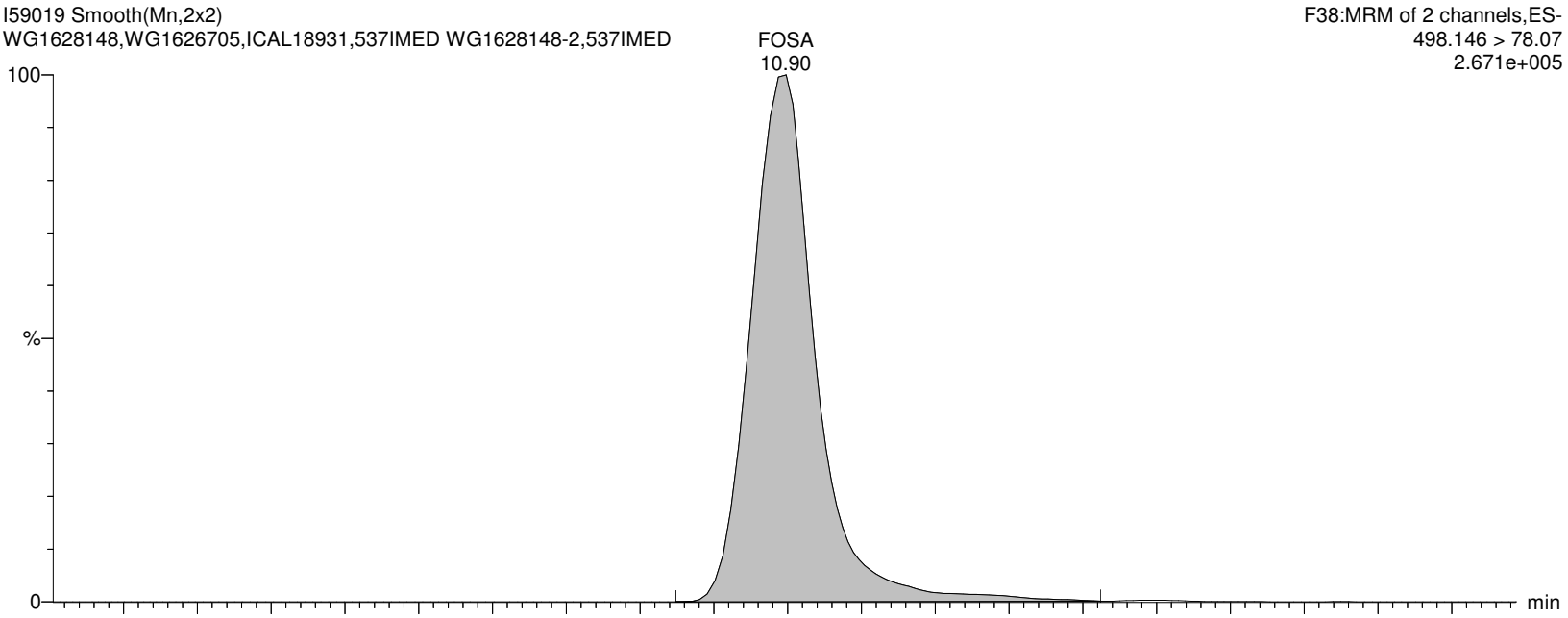


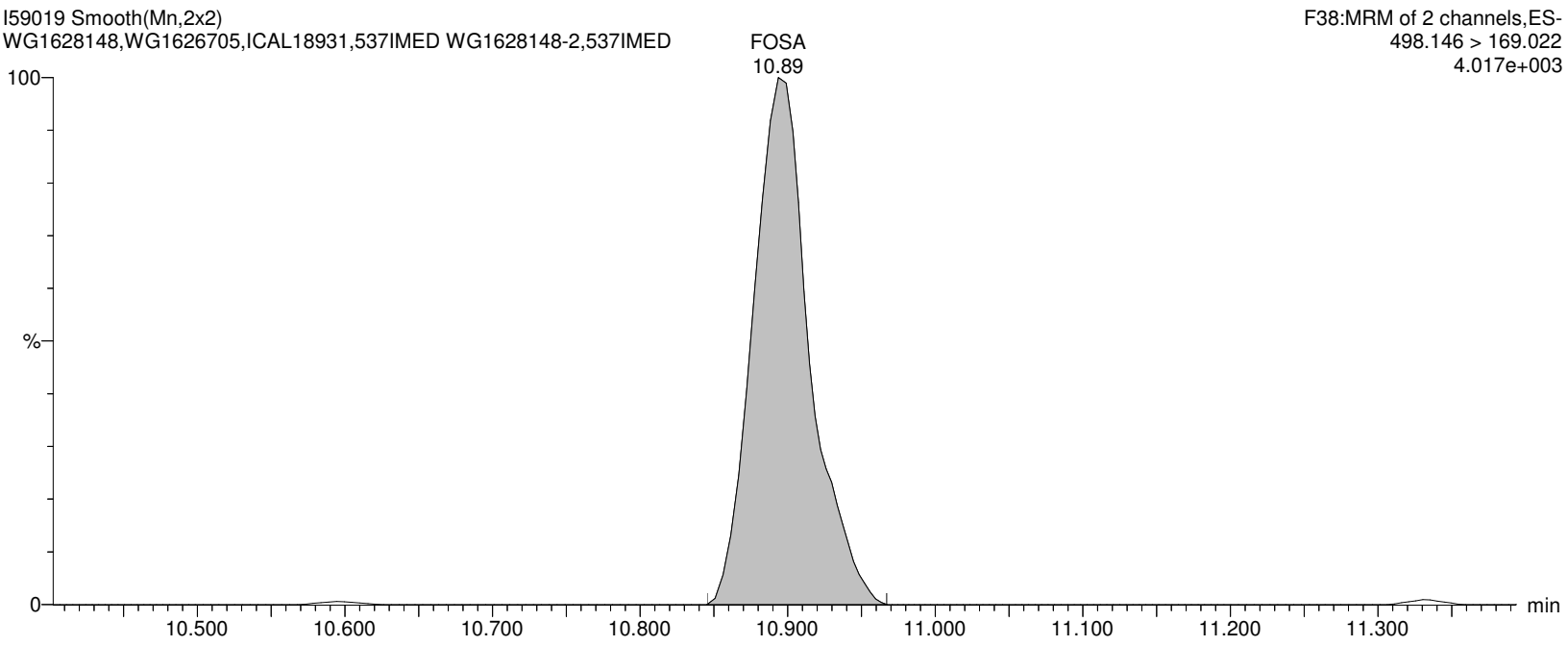
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 17-Apr-2022
Time: 22:32:16
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User: LCMS02:SG
Vial: 1:A,3
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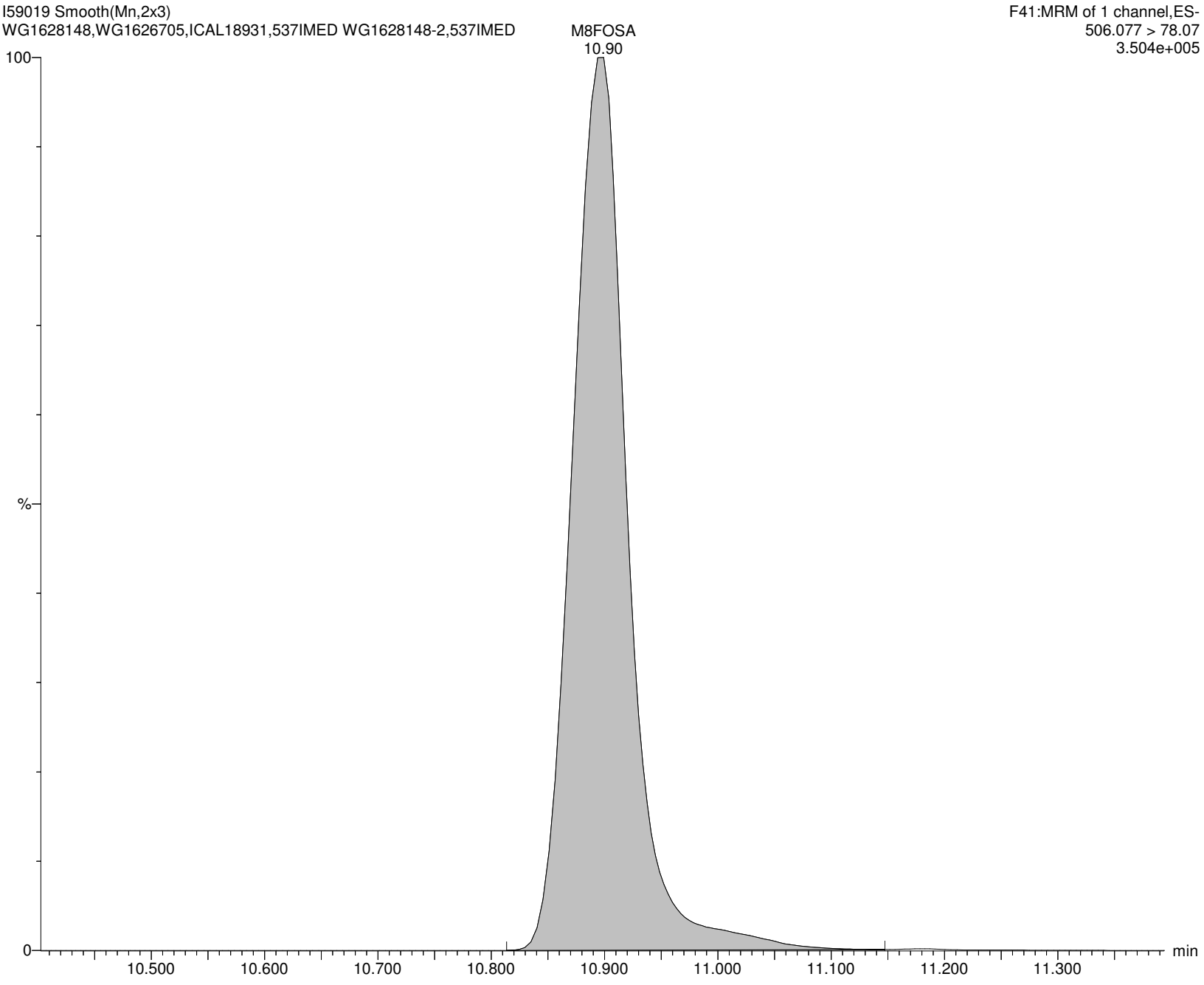


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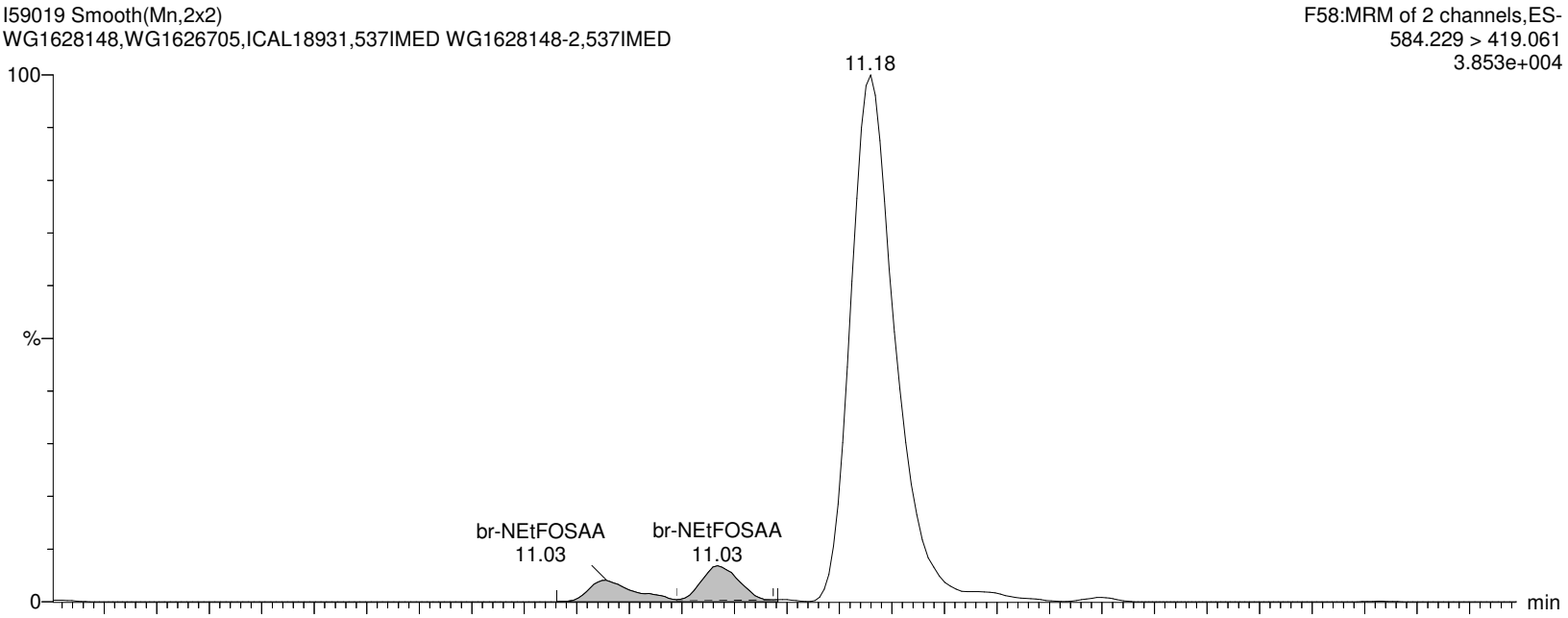


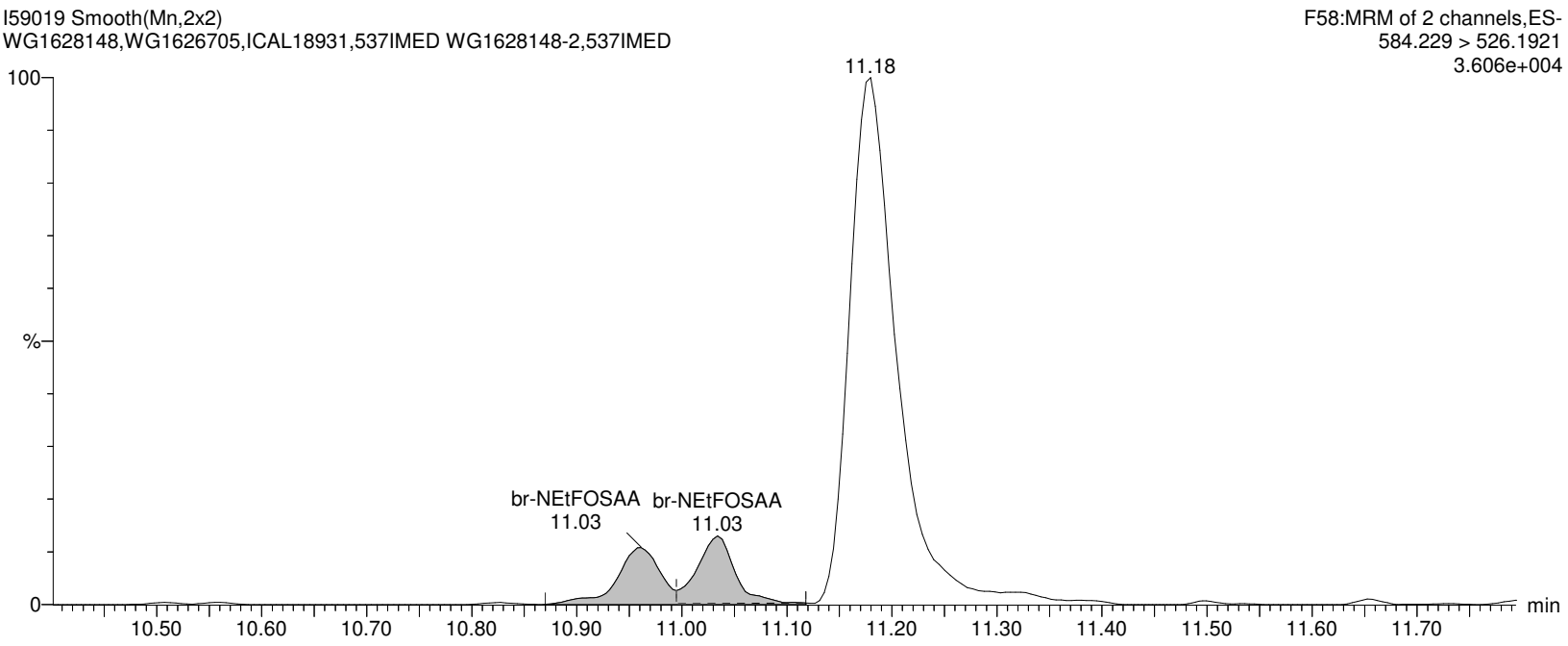
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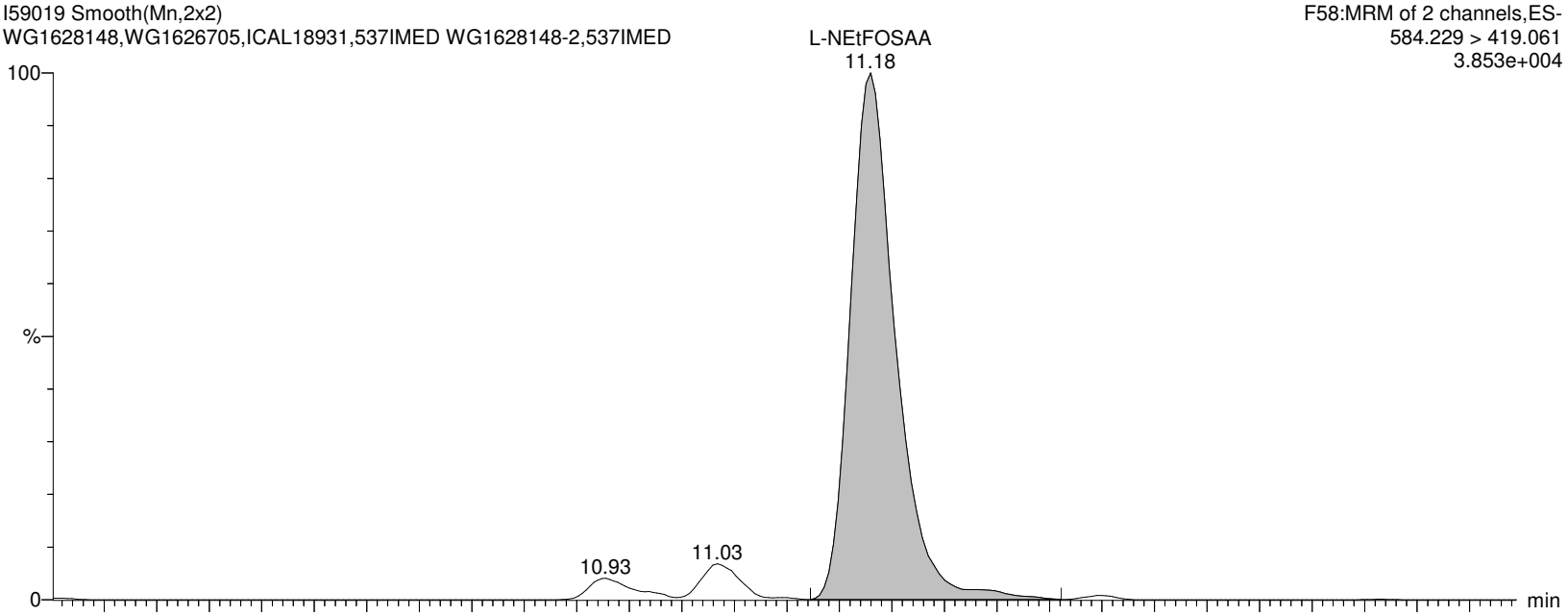


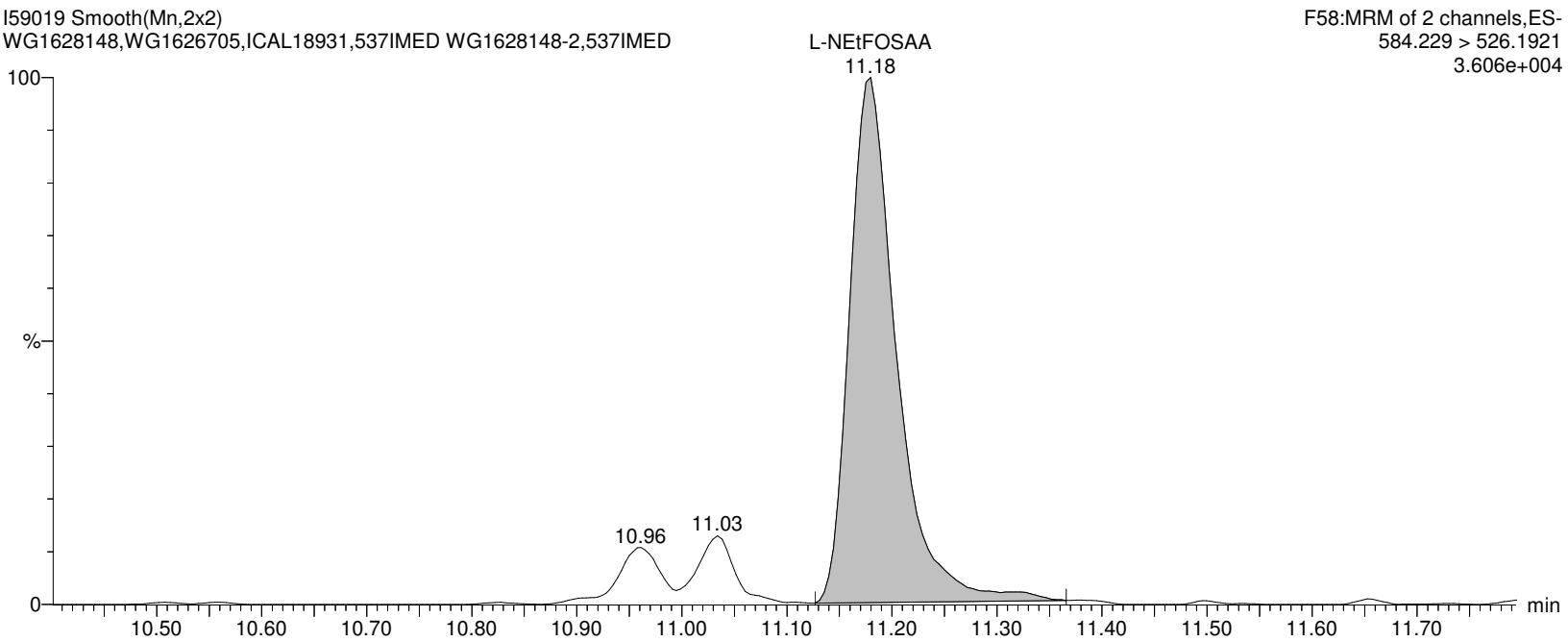
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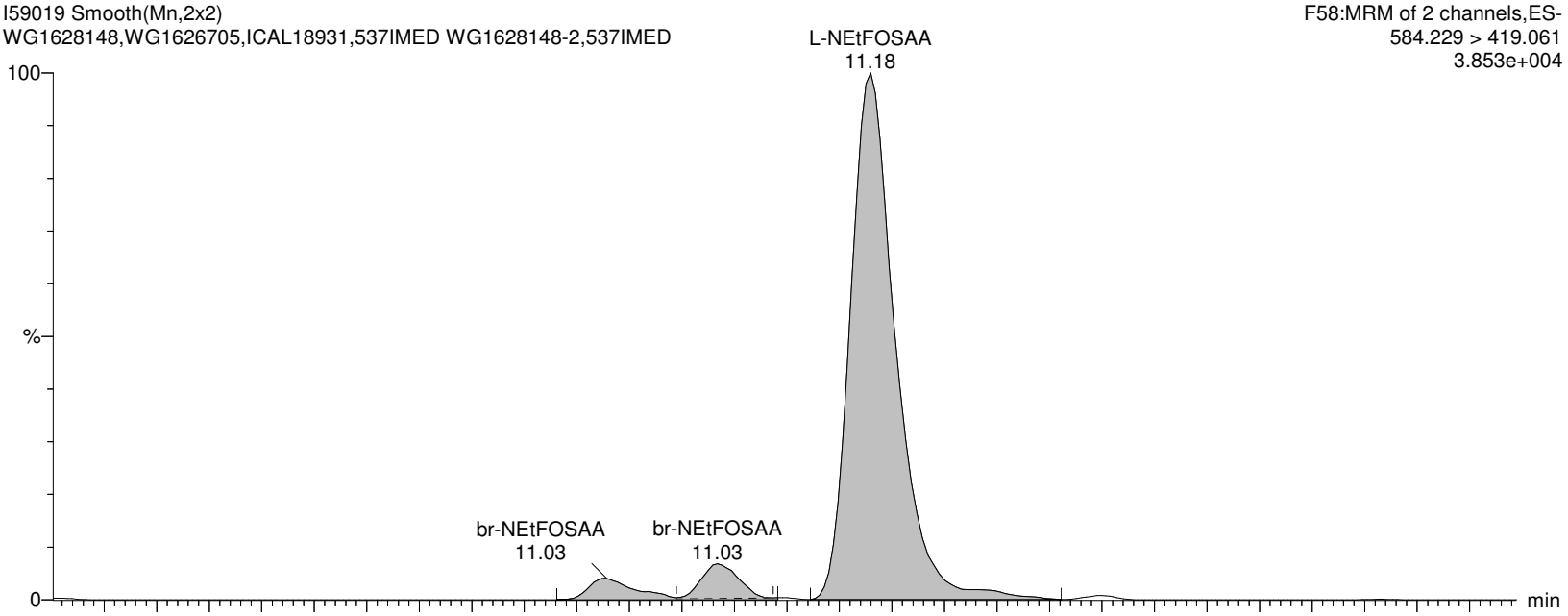


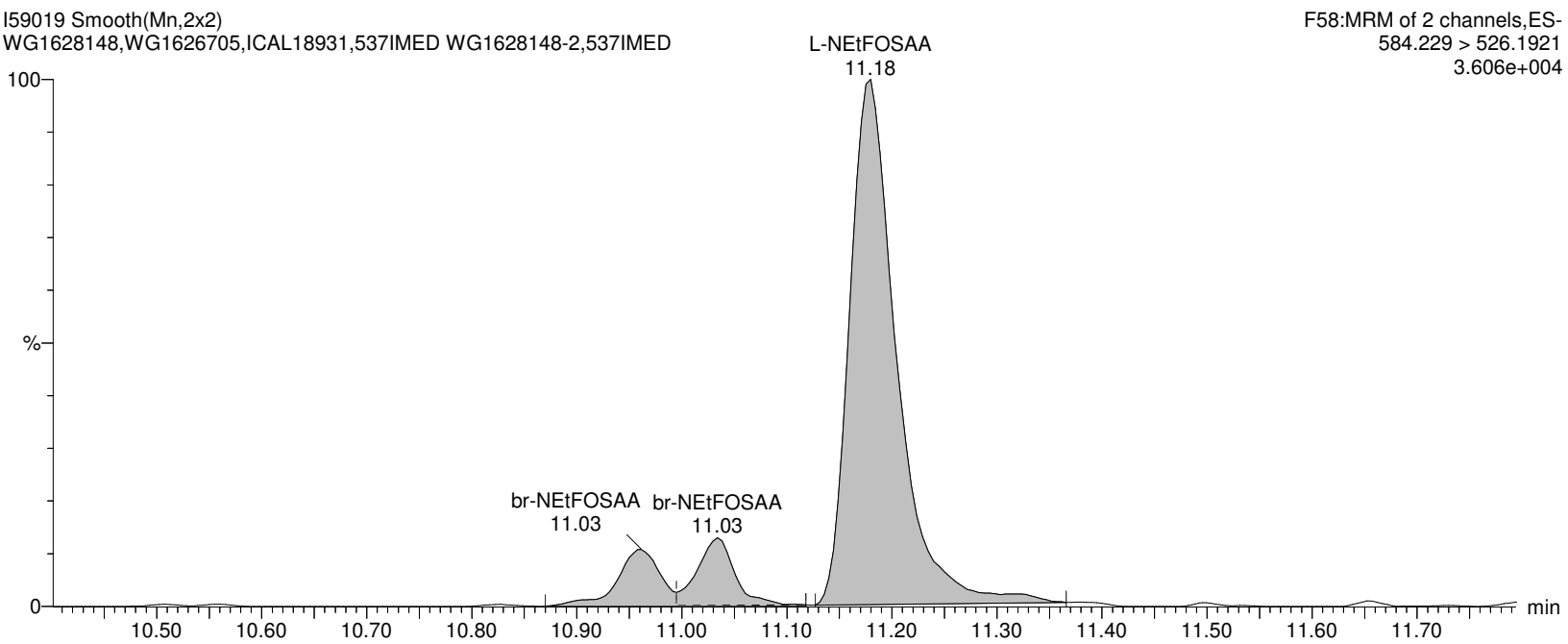
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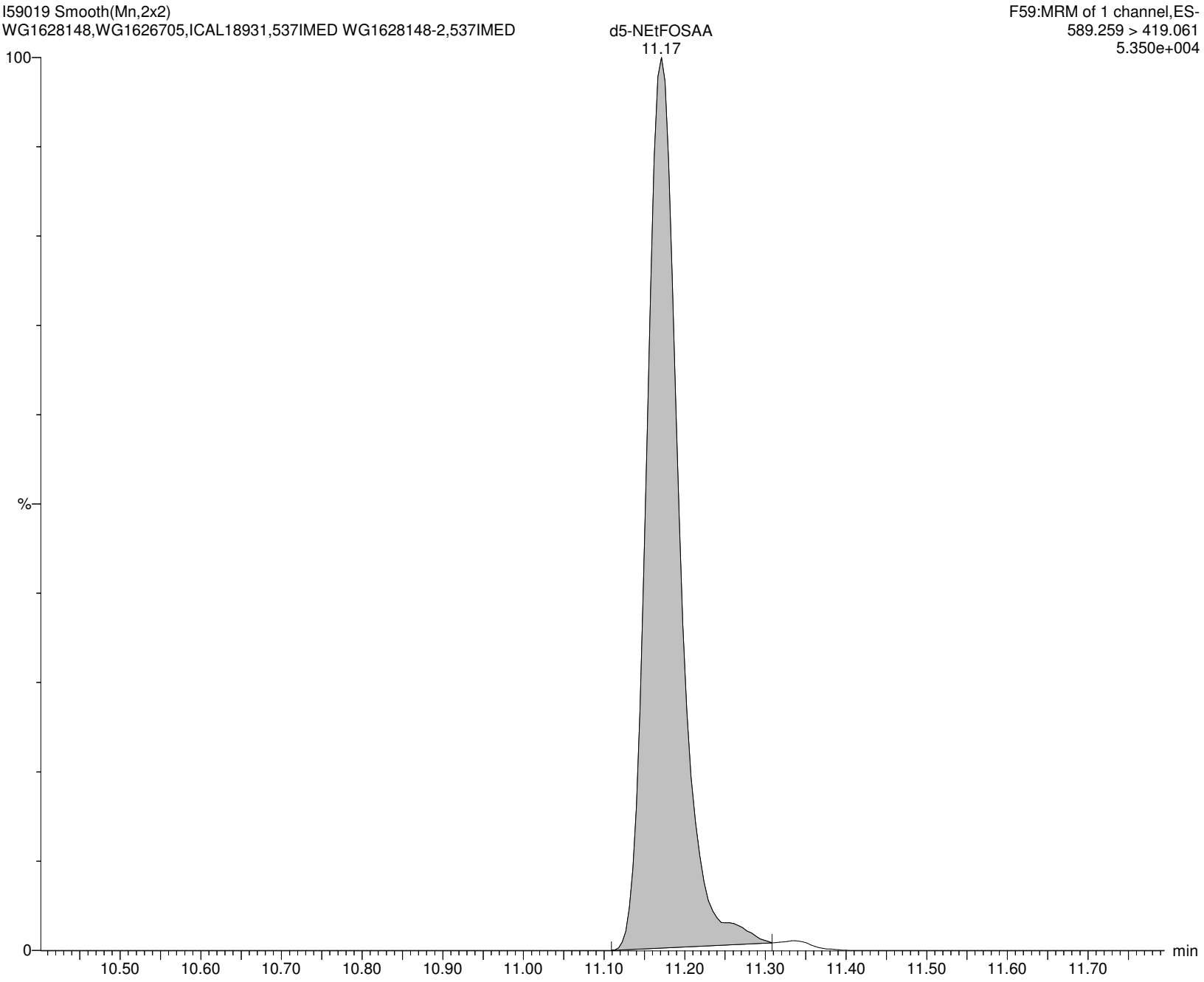


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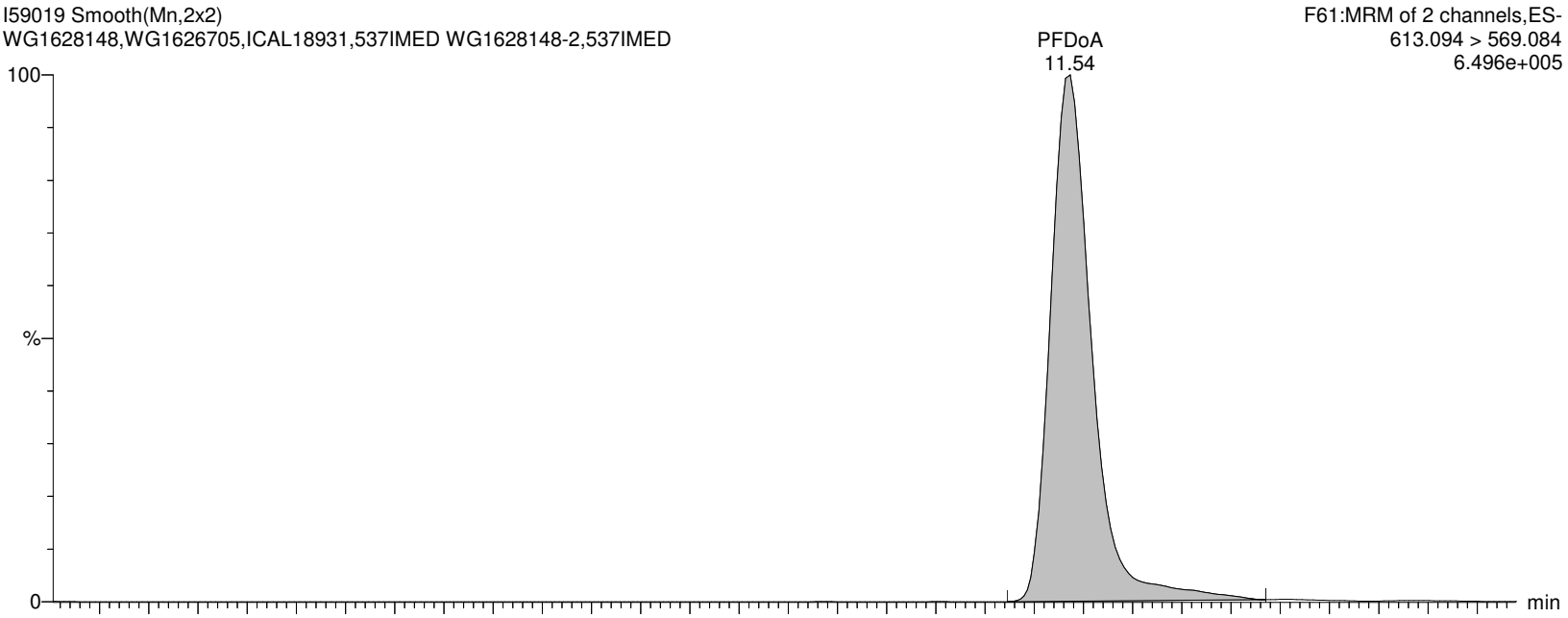


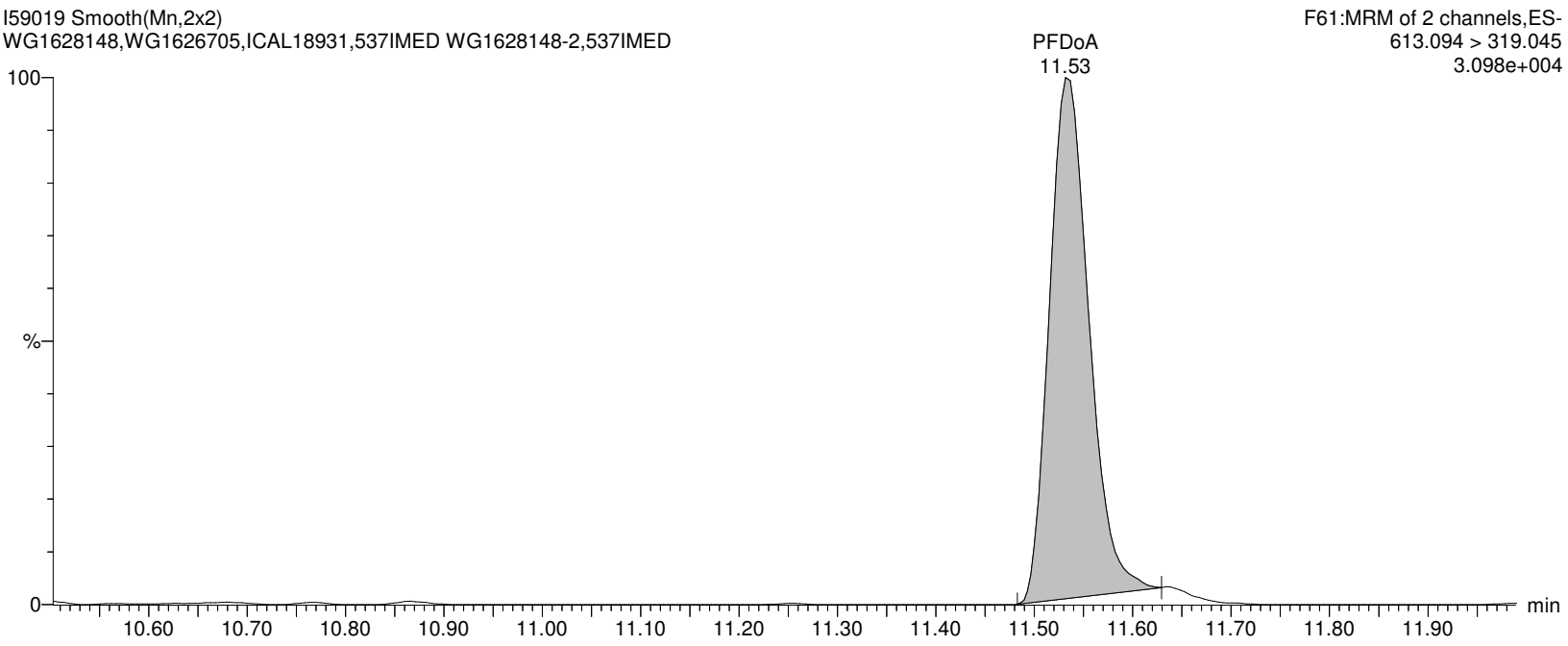
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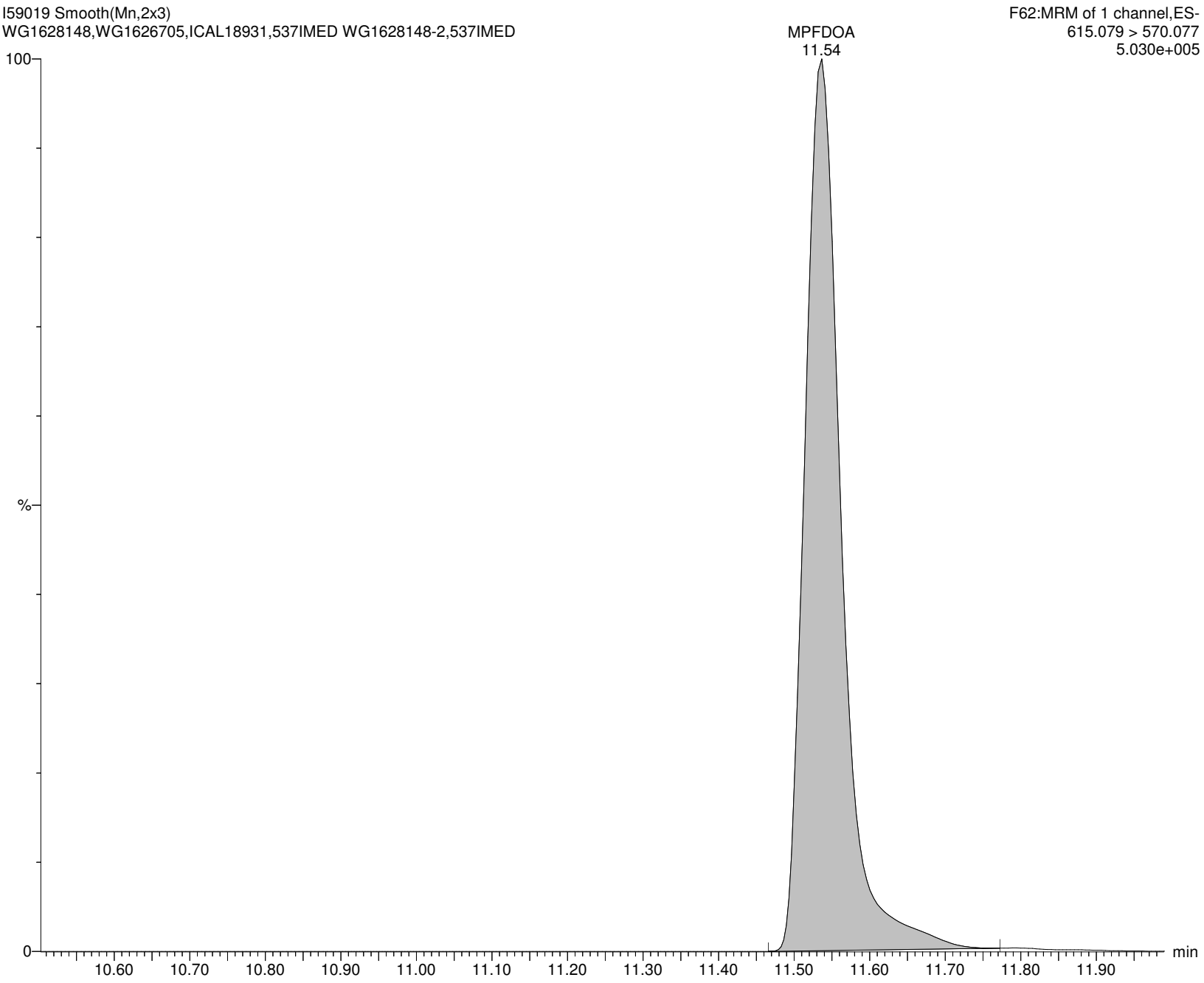


all concentration units in (ng/mL)

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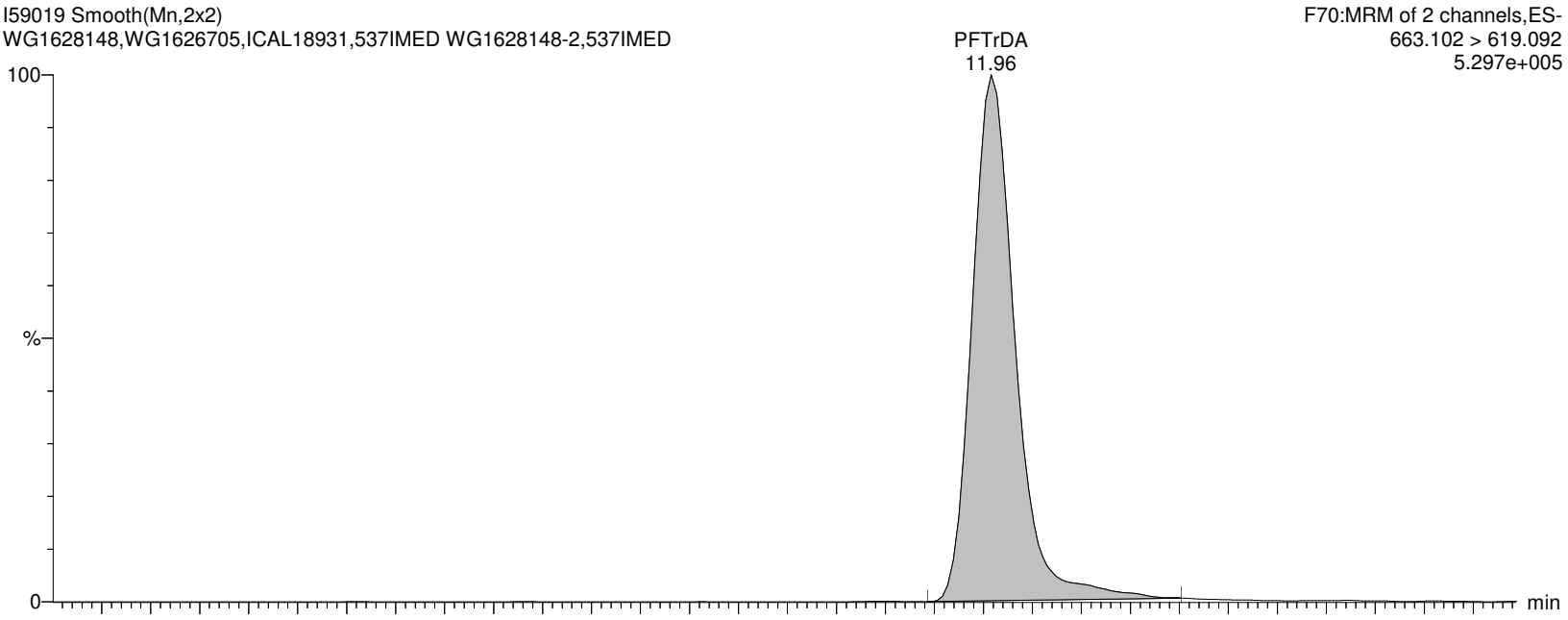


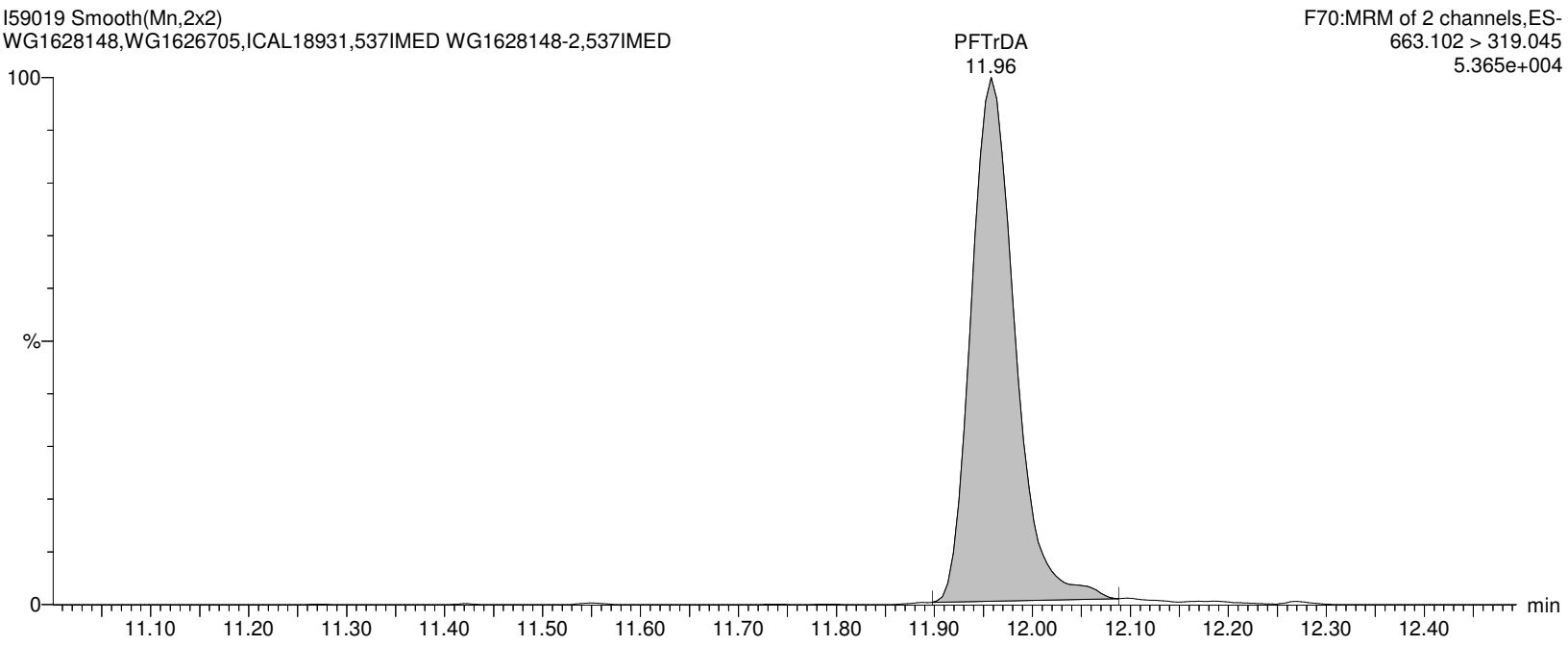
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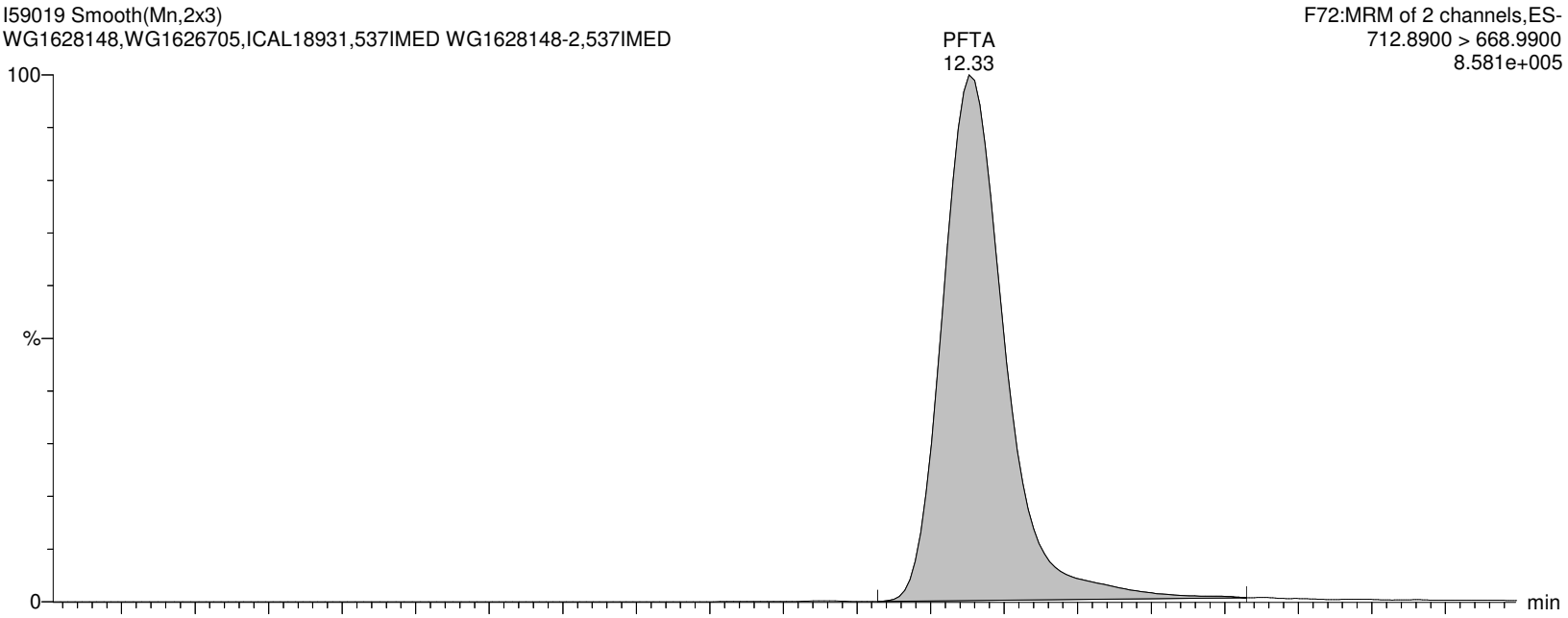


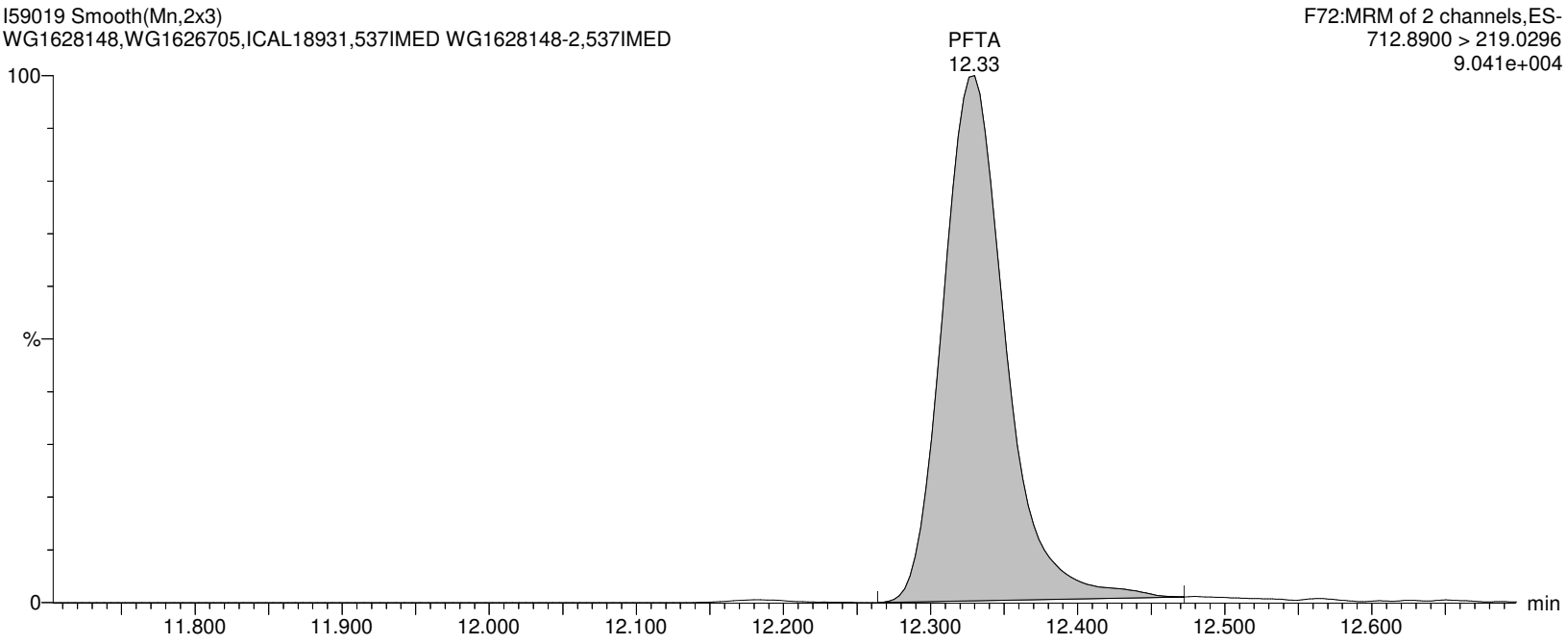
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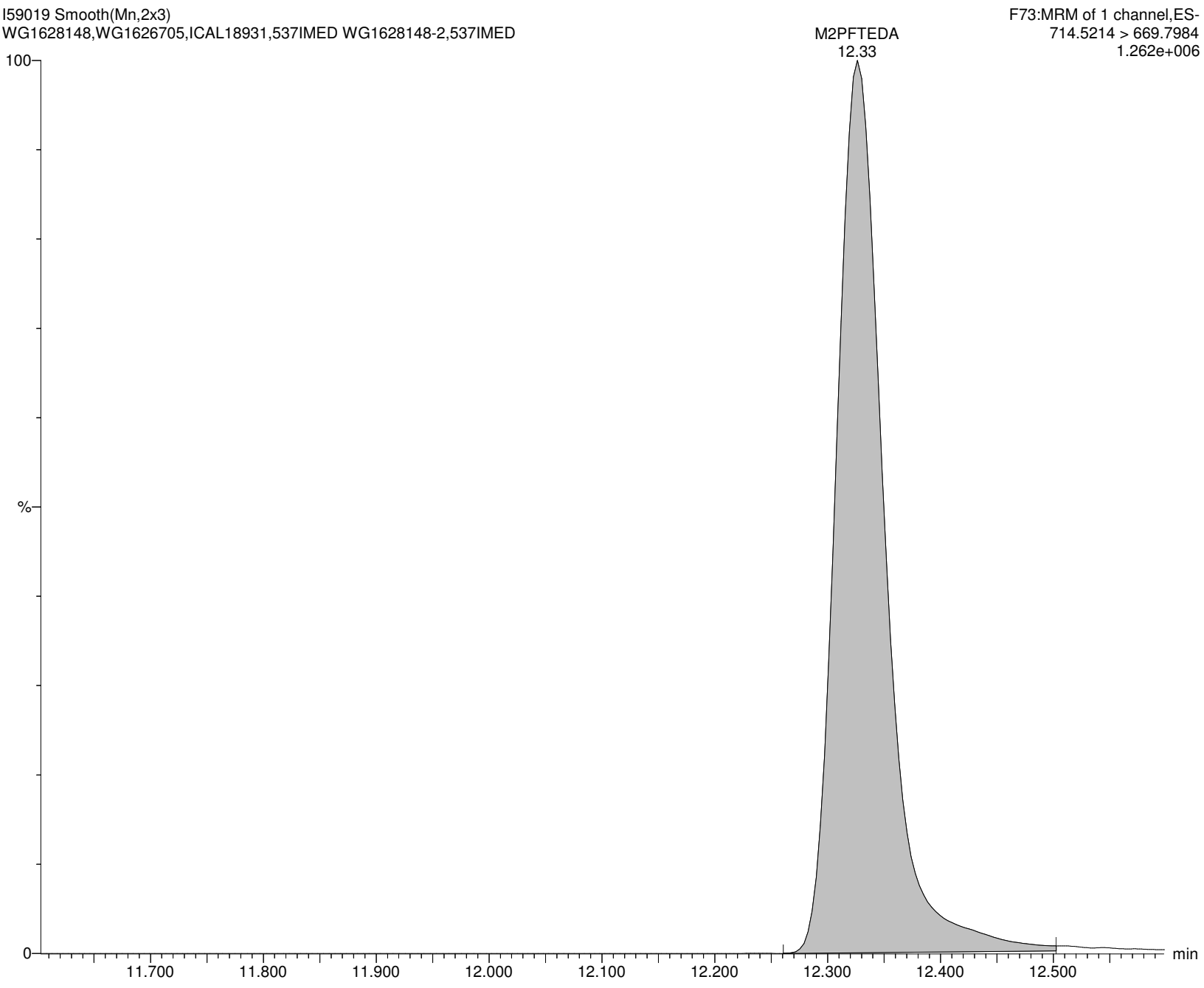


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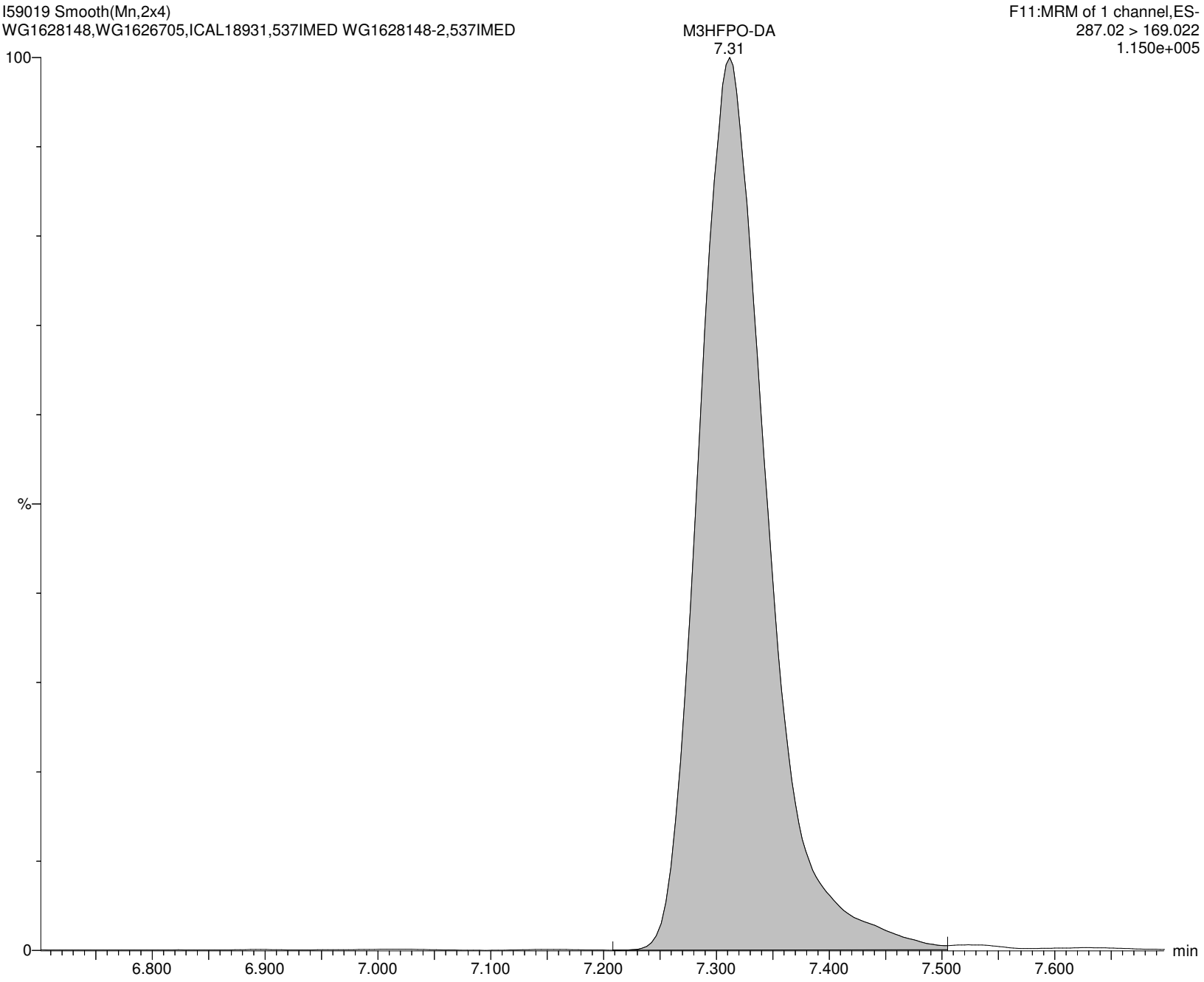


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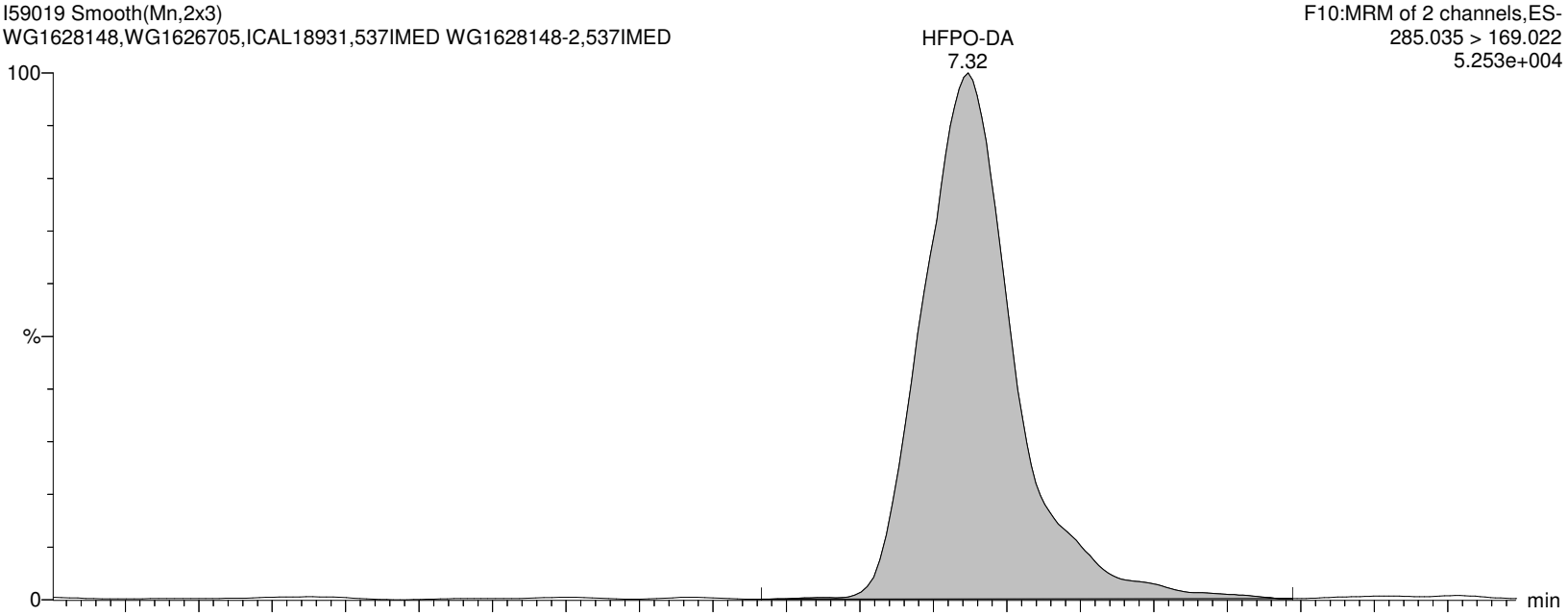


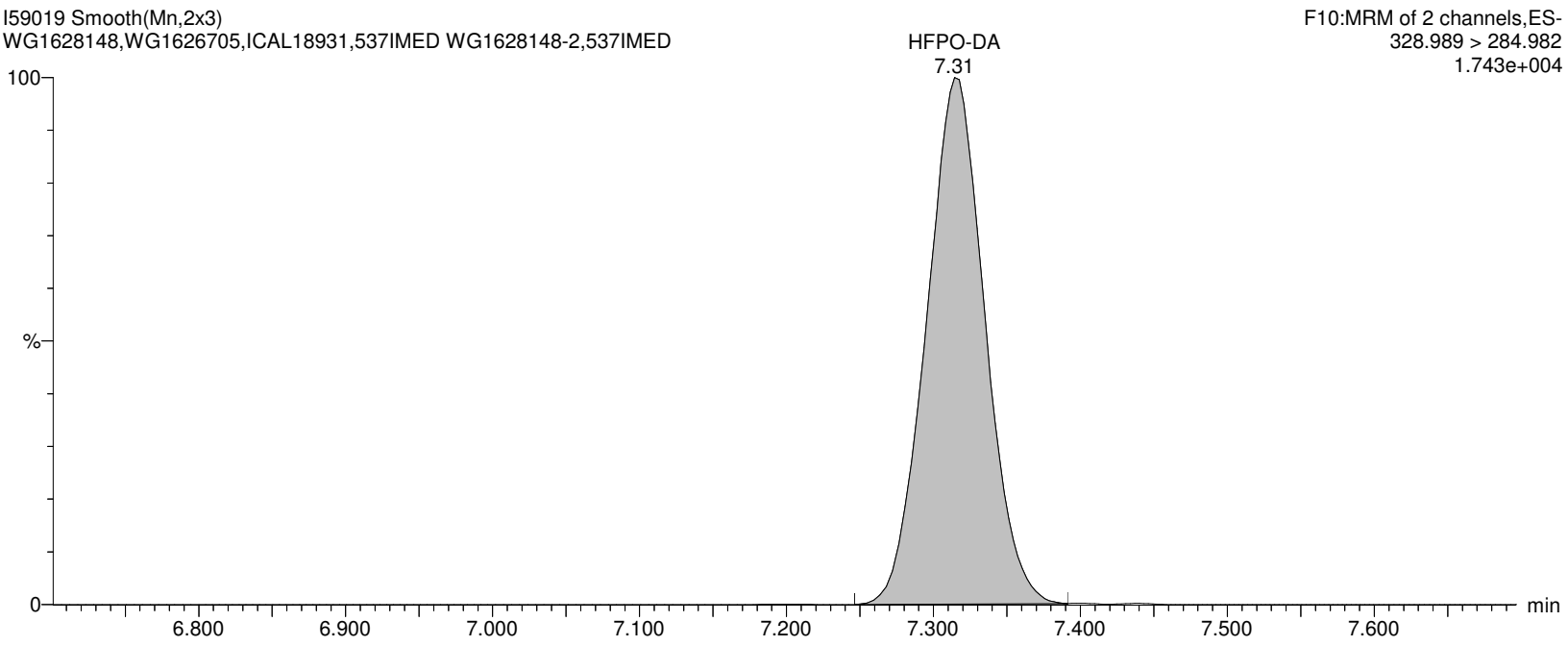
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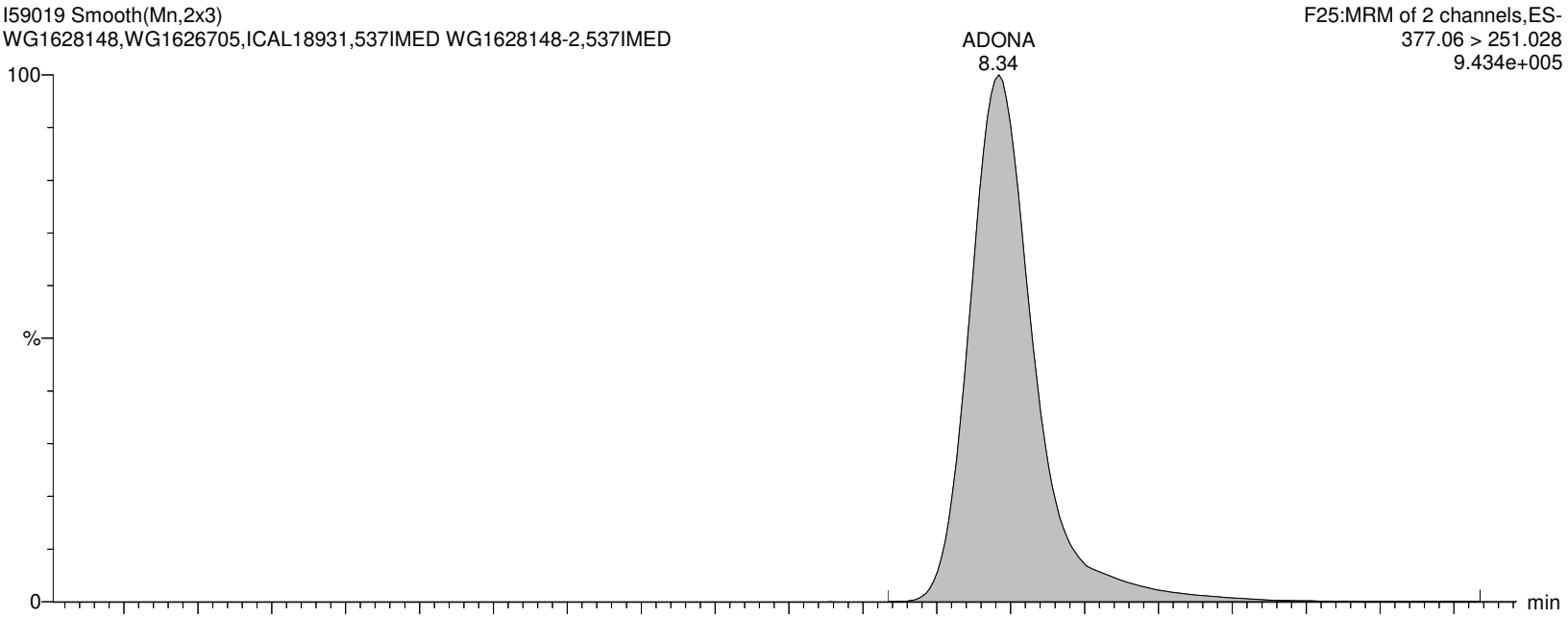


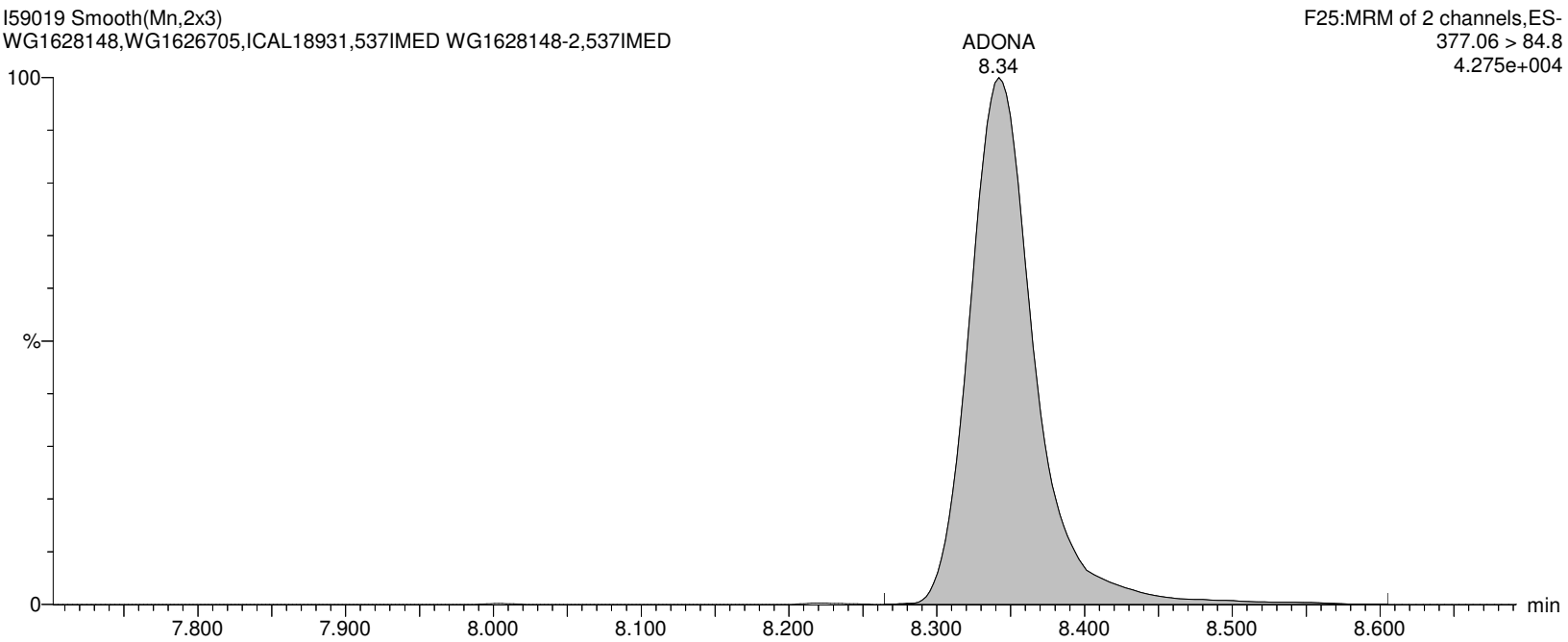
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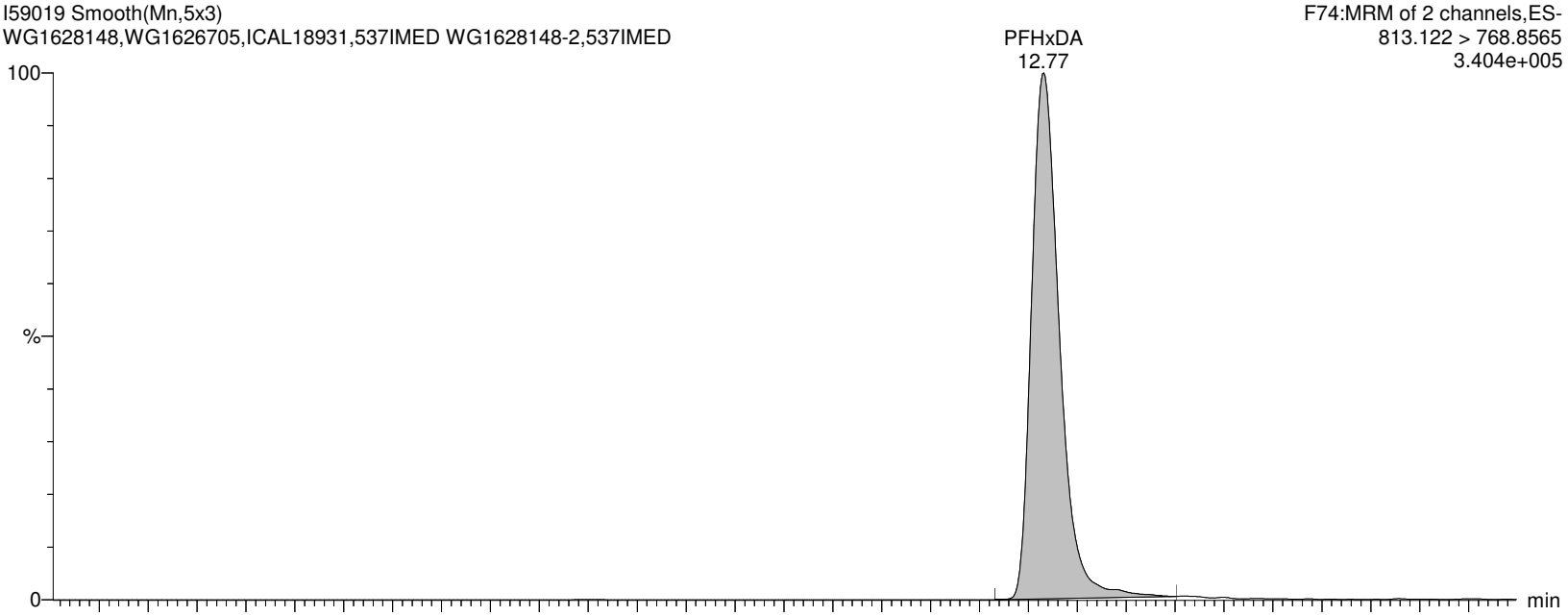


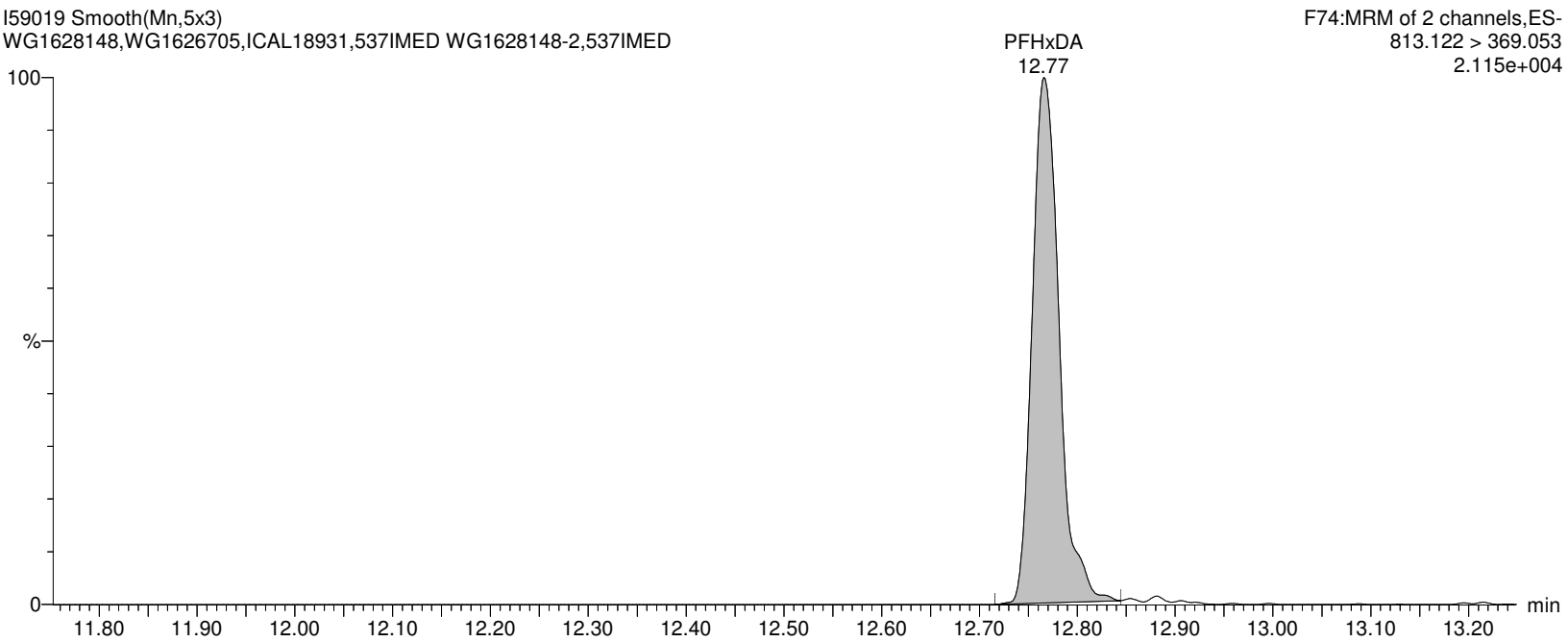
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PFHxDA



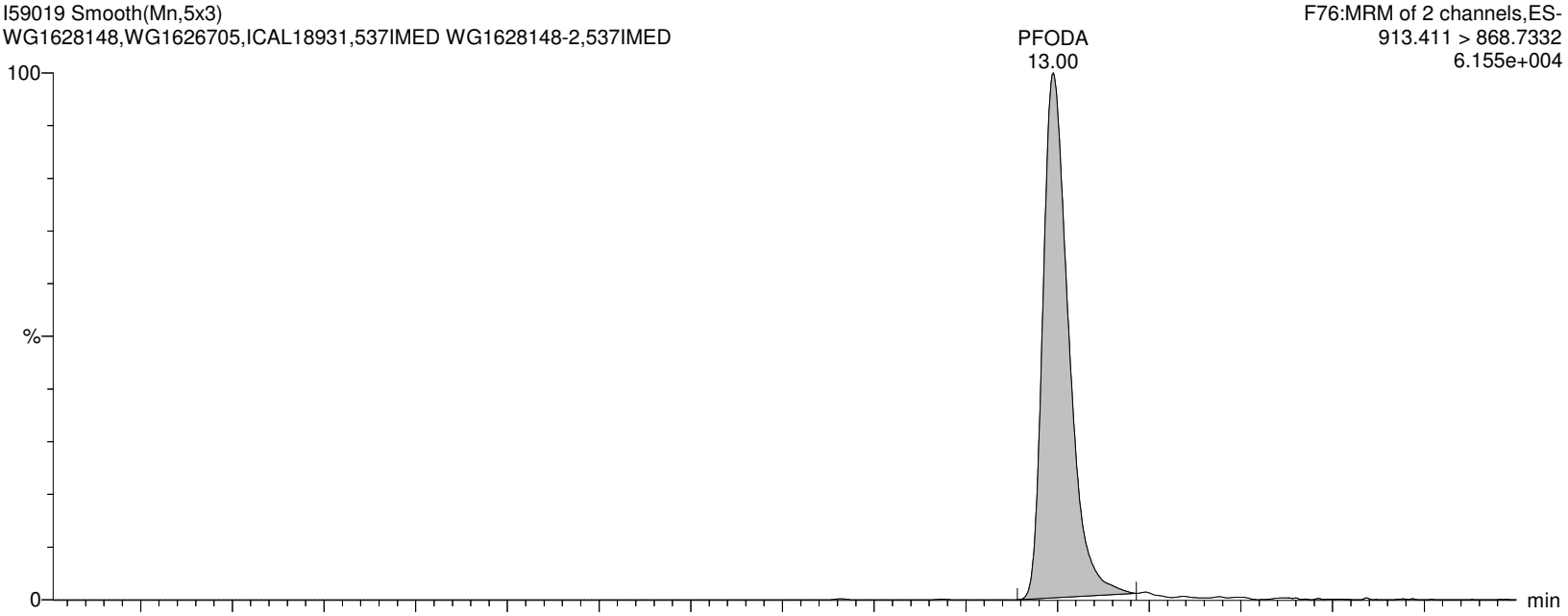


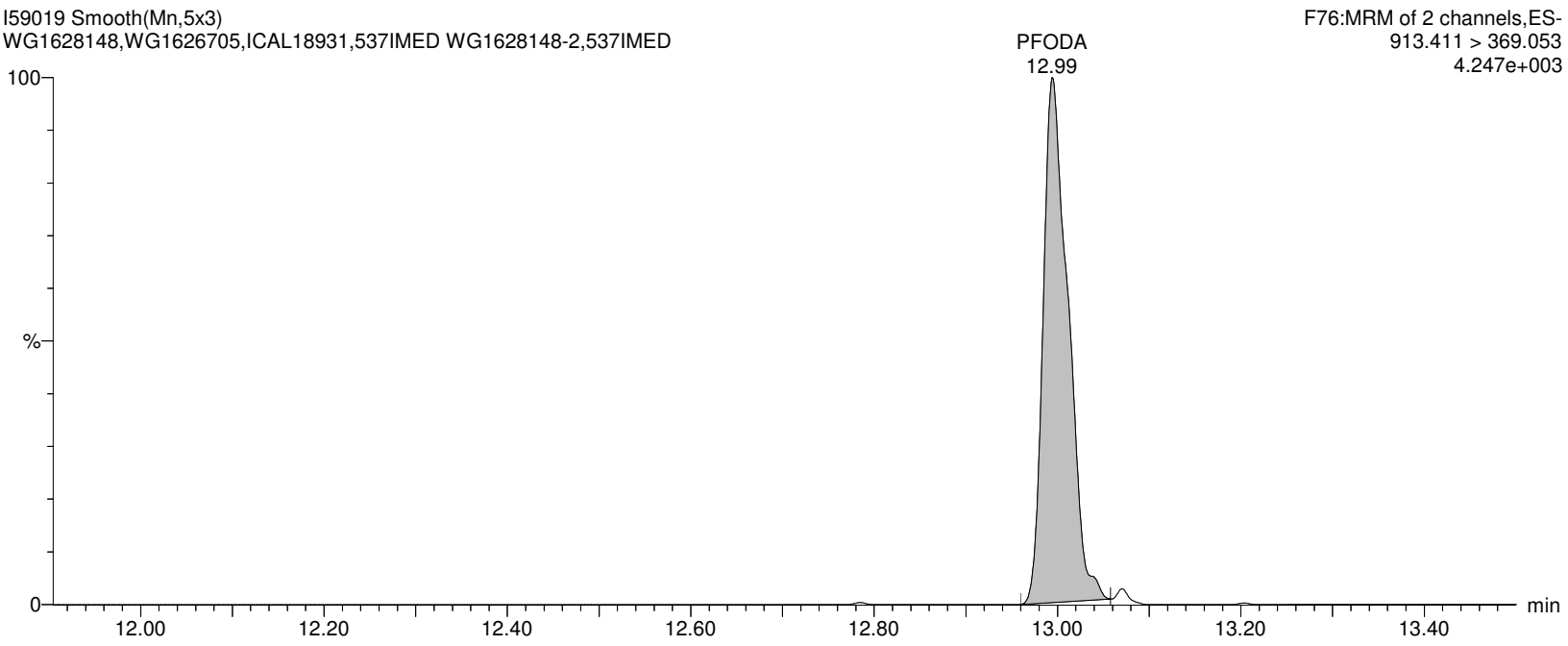
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:01:36 Eastern Daylight Time

Name: I59019
ID: WG1628148-2,537IMED
Date: 17-Apr-2022
Time: 22:32:16
Description: WG1628148,WG1626705,ICAL18931,537IMED
User: LCMS02:SG
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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PFODA



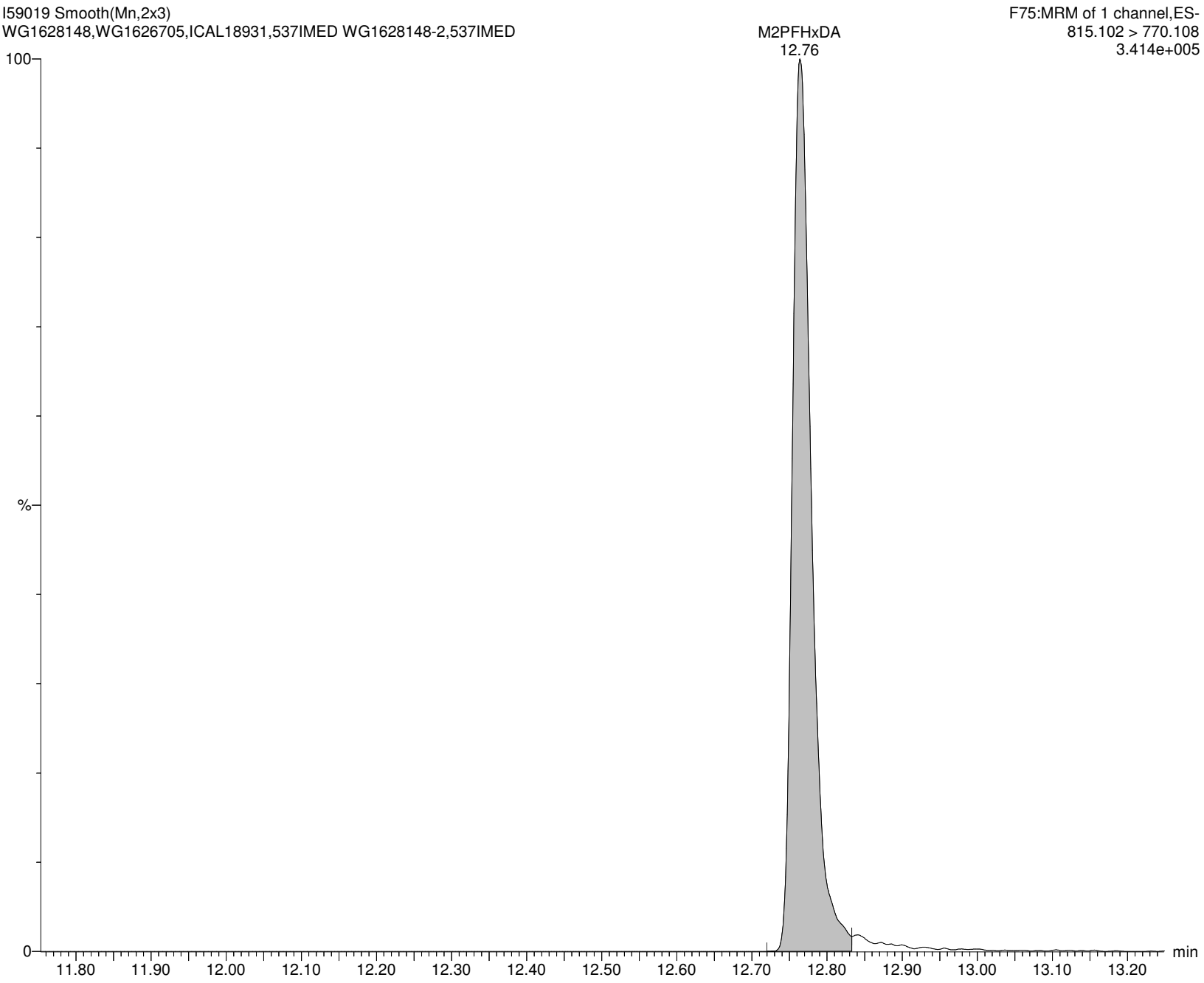


all concentration units in (ng/mL)

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M2PFHxDA

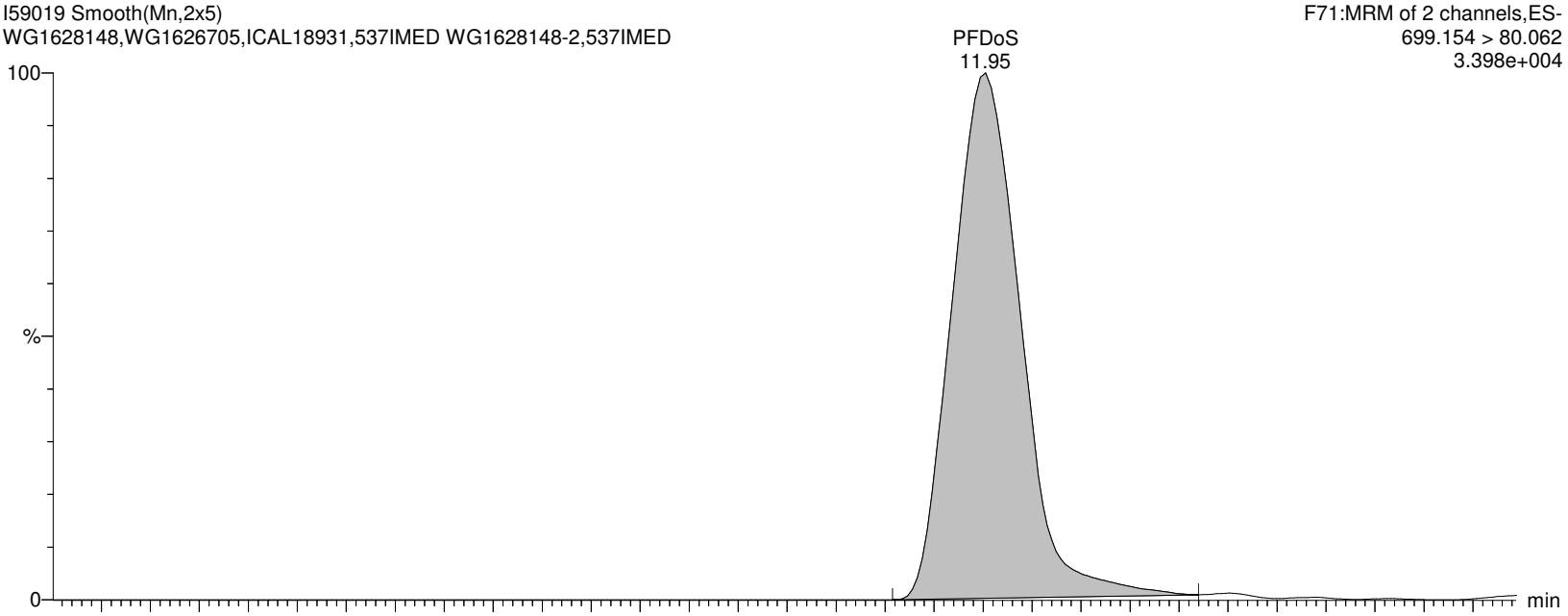


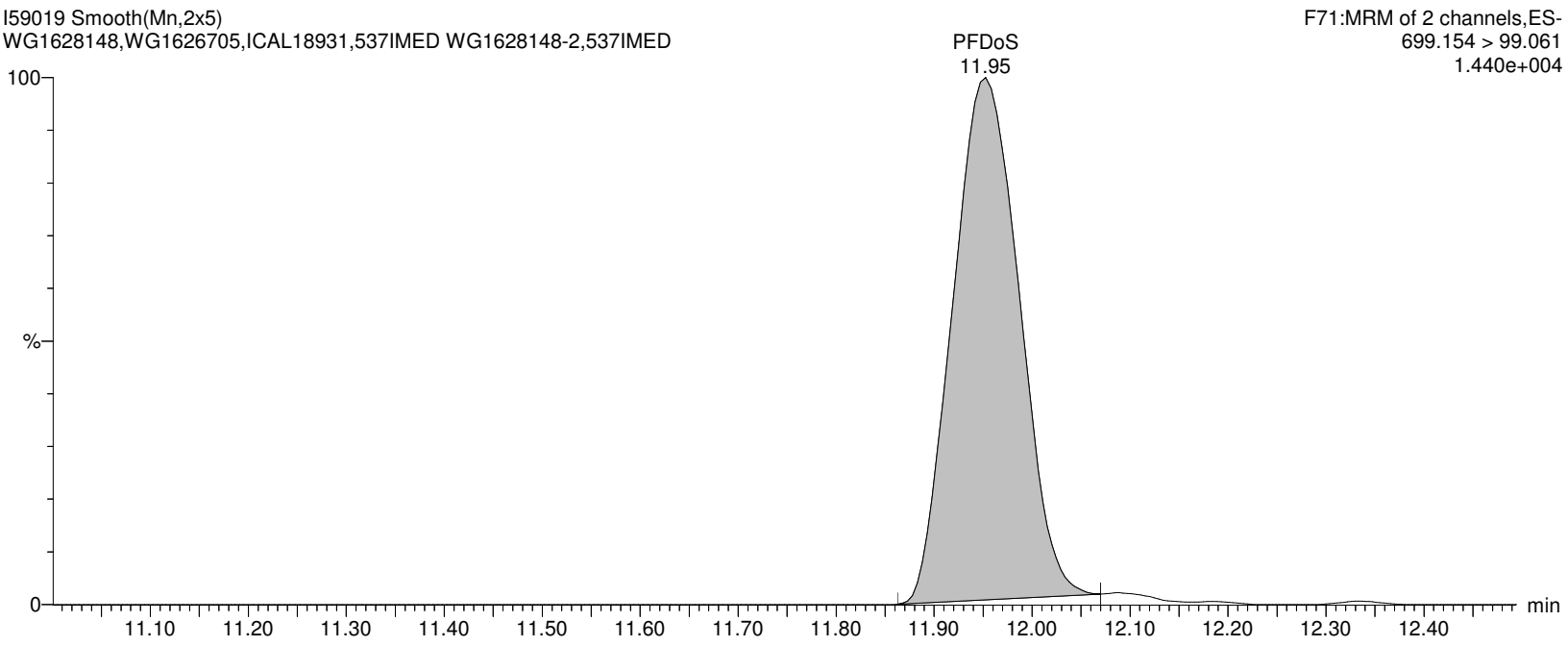
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PFDoS



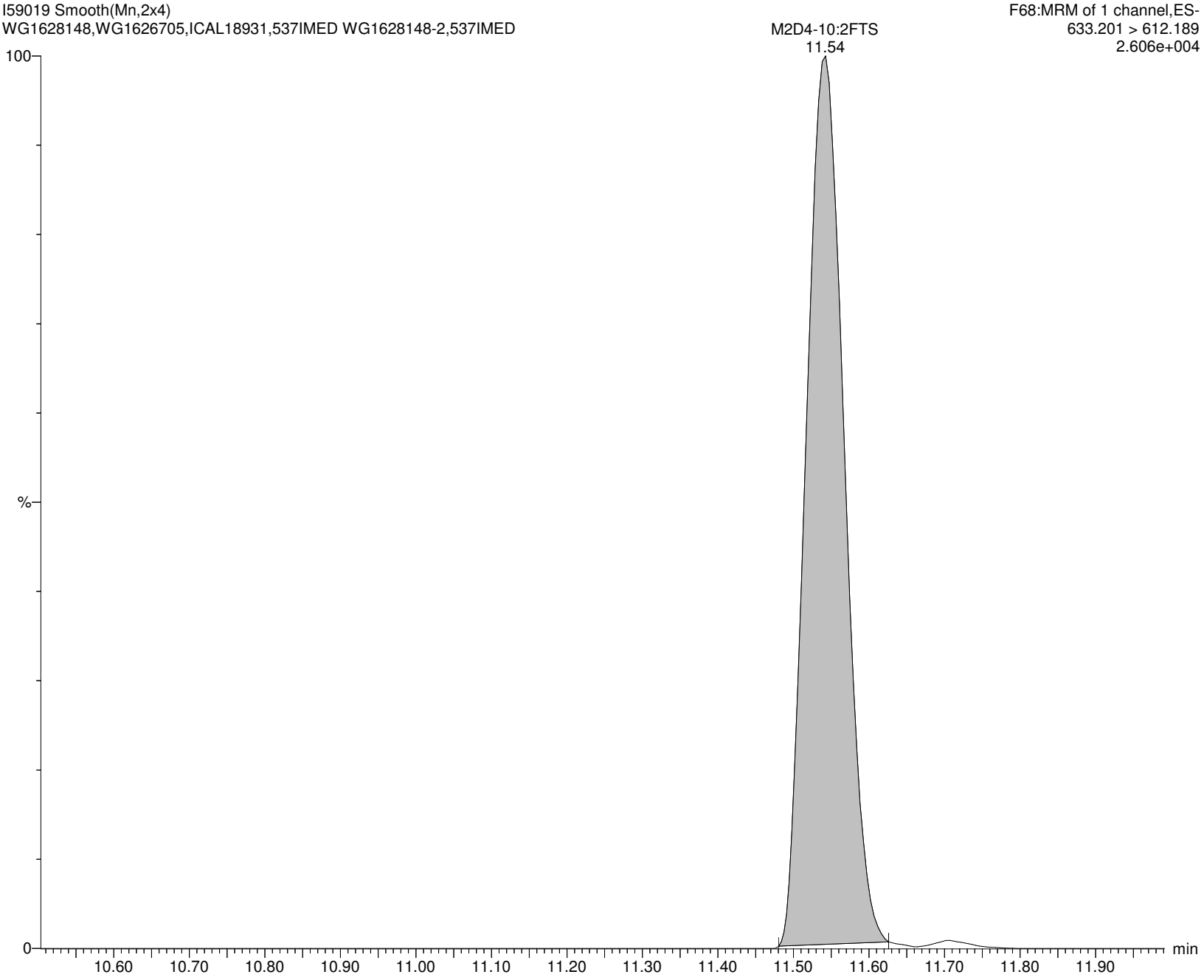


all concentration units in (ng/mL)

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M2D4-10:2FTS

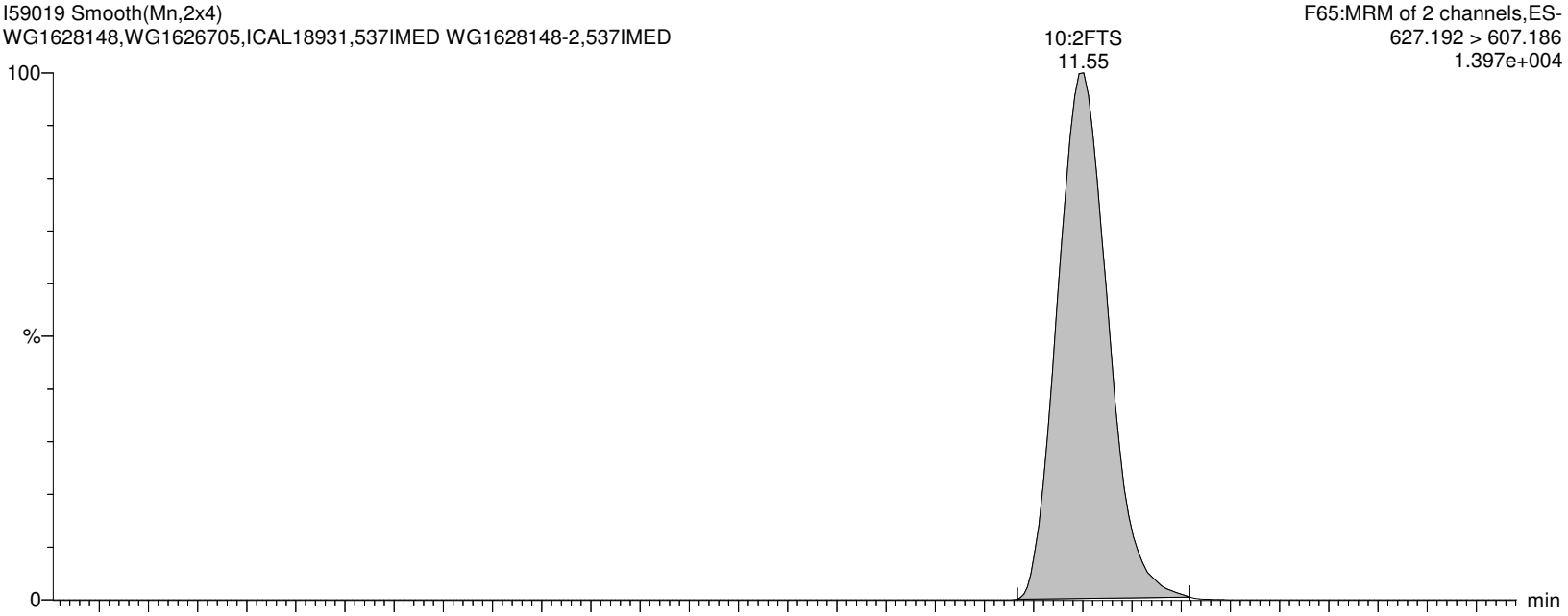


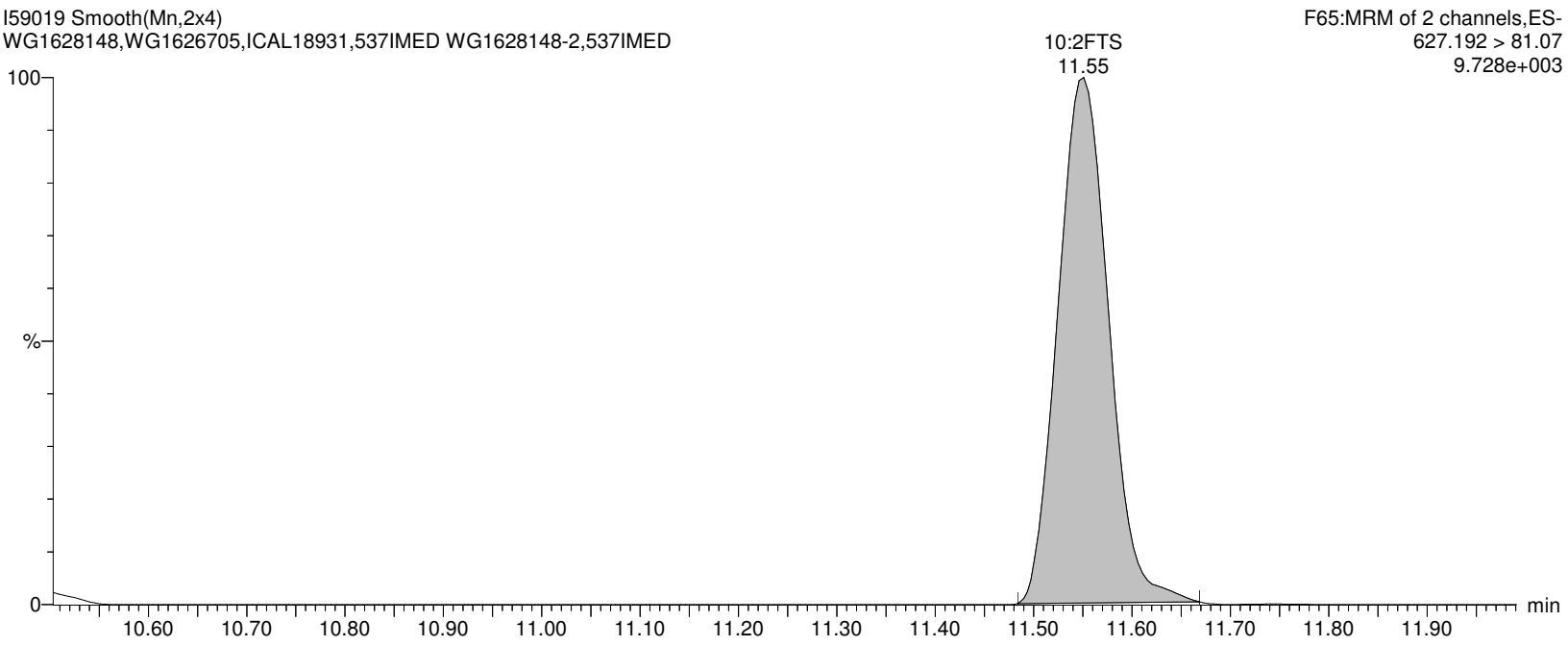
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Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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10:2FTS



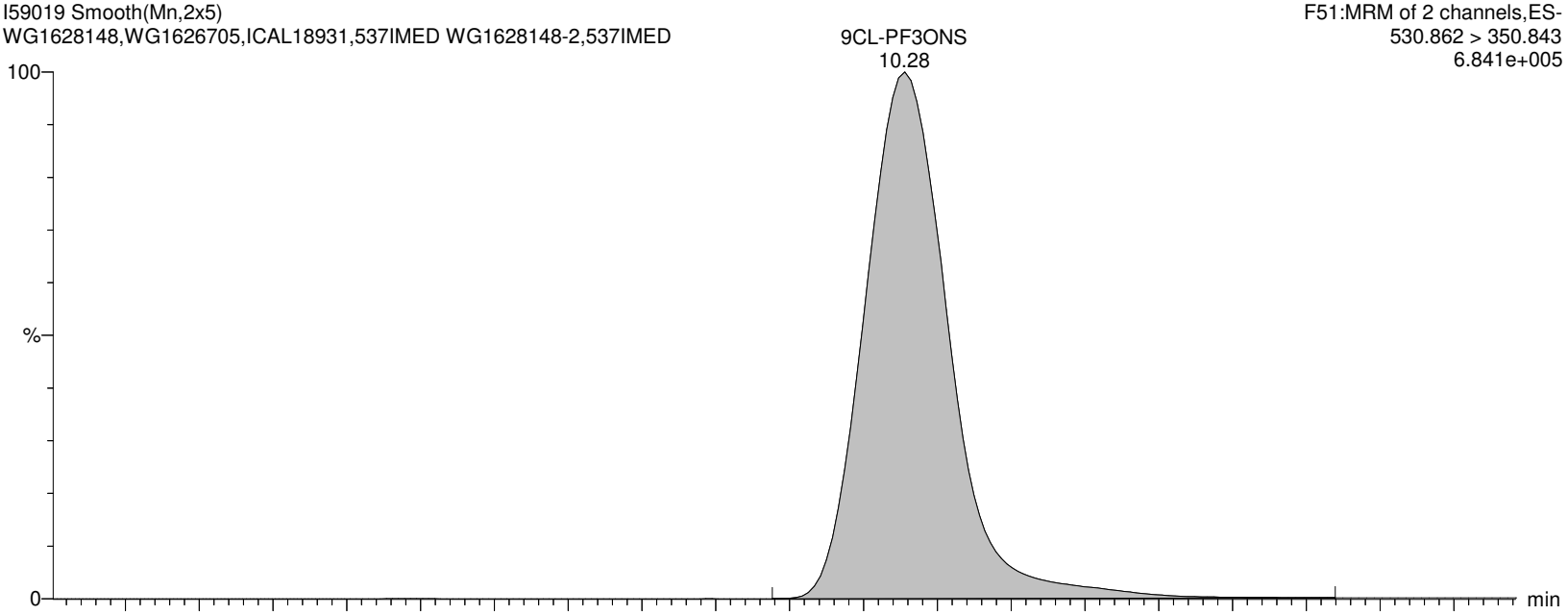


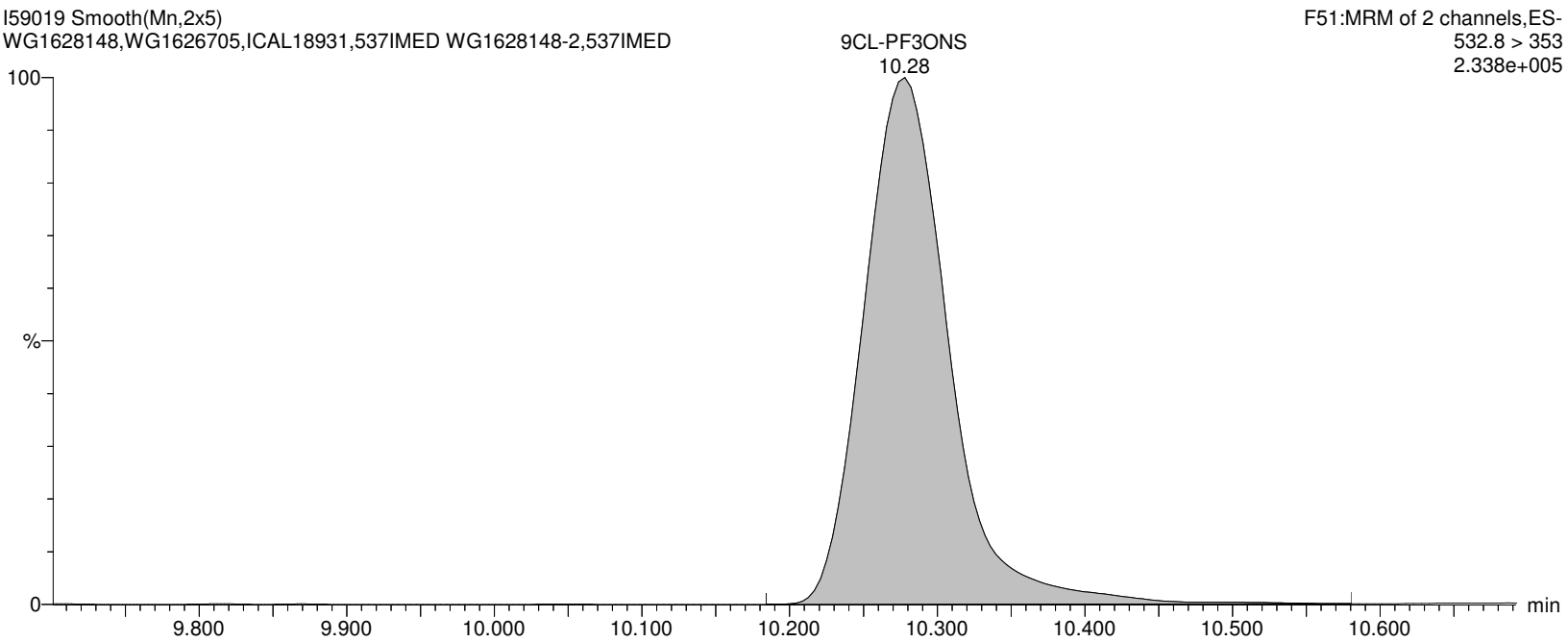
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9CL-PF3ONS



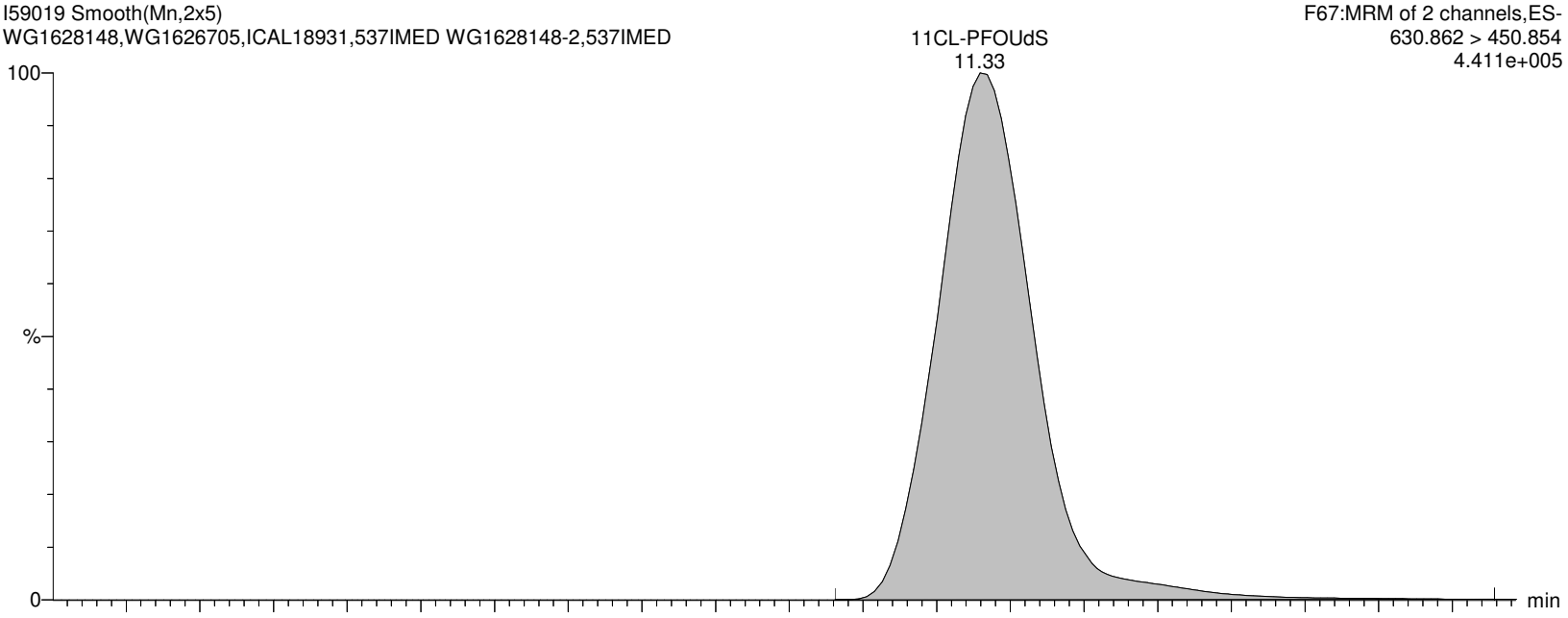


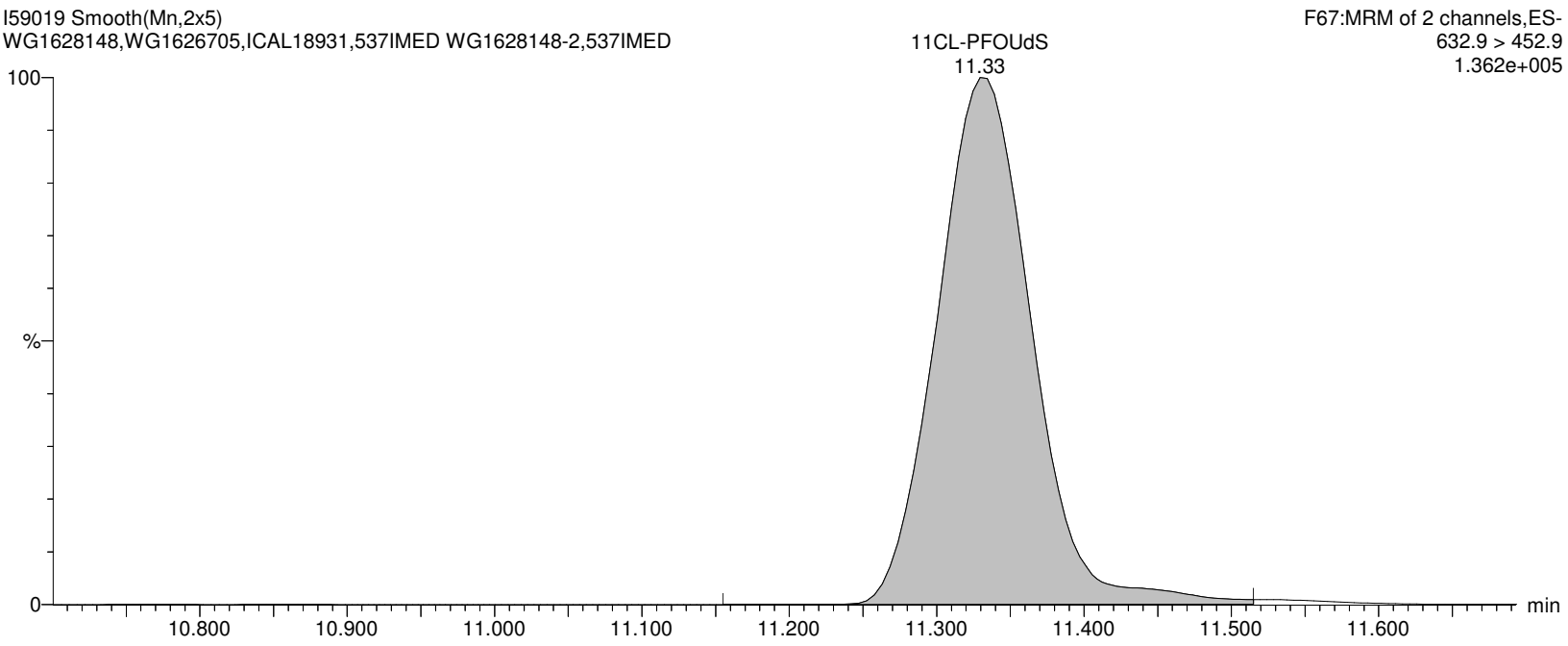
all concentration units in (ng/mL)

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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

11CL-PFOUdS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:05:02 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
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ID: WG1628148-3,537ILOW
Name: I59032
Date: 18-Apr-2022
Time: 02:07:37
Description: WG1628148,WG1626705,ICAL18931,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.13	213.032 > 169.022	1303		0.453		na	90.5
2	M3PFBA	INT STD	2.12	216.009 > 171.999	30136		11.831		na	118.3
3	MPFBA	INT STD	2.12	217.001 > 171.999	33547		9.978		na	99.8
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	1651		0.508		na	101.5
5	M5PFPEA	INT STD	5.00	268.001 > 222.999	42085		10.191		na	101.9
6	PFBS	375-73-5	5.65	299.092 > 80.062	404		0.413	2.01	NO	93.2
7	M3PFBS	INT STD	5.64	302.069 > 80.062	8826		8.616		na	92.4
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	112	m7	0.383	3.36	NO	81.8
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	2708		5.923		na	63.1
10	PFHxA	307-24-4	6.88	313.047 > 269.037	2530		0.478	15.45	NO	95.6
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	54440		9.466		na	94.7
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	399		0.422	2.68	NO	89.6
13	PFHpA	375-85-9	8.16	363.055 > 319.045	3151		0.452	5.73	NO	90.5
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	69266		10.065		na	100.6
15	br-PFHxS	355-46-4	8.07	399.107 > 80.062	38	m5,m7	0.054	1.52	NO	57.0
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	258	m4	0.314	1.28	NO	77.4
17	PFHxS	355-46-4		399.107 > 80.062	296		0.368		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	8801		9.162		na	96.7
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	4534		0.480	10.44	NO	96.0
21	PFOA	335-67-1		412.8430 > 368.9430	4534		0.480		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	95922		10.331		na	103.3
23	M2PFOA	INT STD	9.11	414.828 > 369.935	85832		13.162		na	131.6
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	86		0.340	2.16	NO	71.5
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	2435		5.925		na	62.3
26	PFHpS	375-92-8	9.20	449.115 > 80.062	268		0.447	1.60	NO	93.7
27	PFNA	375-95-1	9.87	462.8510 > 418.951	3436		0.455	3.72	NO	91.0
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	88644		10.224		na	102.2
29	br-PFOS	1763-23-1	9.73	498.9030 > 79.9520	86	m5,m7	0.066	3.69	NO	62.4
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	375		0.363	1.75	NO	91.9
31	PFOS	1763-23-1		498.9030 > 79.9520	461		0.428		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	9769		14.975		na	149.8
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	11527		9.173		na	95.7
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	4008		0.474	6.28	NO	94.9
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	74607		13.899		na	139.0
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	90514		10.171		na	101.7
37	8:2FTS	39108-34-4	10.49	526.6490 > 506.7500	158	m7	0.424	2.63	NO	88.4
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1778		6.491		na	67.6
39	PFNS	68259-12-1	10.53	549.131 > 80.062	242		0.446	1.40	NO	92.7

all concentration units in (ng/mL)

Alpha Analytical Inc.
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ID: WG1628148-3,537ILOW
Name: I59032
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Time: 02:07:37
Description: WG1628148,WG1626705,ICAL18931,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	4244		11.520		na	115.2
41	br-NMeFOSAA		10.71	570.202 > 419.061	21	m7	0.110	2.54	YES	92.0
42	L-NMeFOSAA		10.89	570.202 > 419.061	129		0.242	1.30	NO	63.7
43	NMeFOSAA	2355-31-9		570.202 > 419.061	150		0.353		na	
44	PFUnA	2058-94-8	11.05	562.5852 >518.8544	3710	M7	0.463	8.97	NO	92.6
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	52926		9.997		na	100.0
46	PFDS	335-77-3	11.07	599.139 > 80.062	245		0.448	1.71	NO	92.9
47	FOSA	754-91-6	10.89	498.146 > 78.07	665	m7	0.499	927.74	YES	99.8
48	M8FOSA	INT STD	10.89	506.077 > 78.07	19250		7.740		na	77.4
49	br-NEtFOSAA		10.92	584.229 > 419.061	12	m5,m7	0.110	0.70	NO	97.4
50	L-NEtFOSAA		11.18	584.229 > 419.061	114	m7	0.356	1.11	NO	91.9
51	NEtFOSAA	2991-50-6		584.229 > 419.061	126		0.466		na	
52	d5-NEtFOSAA	INT STD	11.17	589.259 > 419.061	3165	M4	10.298		na	103.0
53	PFDoA	307-55-1	11.53	613.094 > 569.084	1527	m7	0.448	28.46	NO	89.6
54	MPFDOA	INT STD	11.53	615.079 > 570.077	30486		9.064		na	90.6
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	1406		0.501	9.89	NO	100.2
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	2311		0.545	12.00	NO	109.0
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	63552		8.946		na	89.5
58	M3HFPO-DA	INT STD	7.31	287.02 > 169.022	10394		278.164		na	139.1
59	HFPO-DA	13252-13-6	7.32	285.035 > 169.022	267	M4,M7	4.550	8.75	YES	91.0
60	ADONA	958445-44-8	8.33	377.06 > 251.028	2504		0.446	21.52	NO	94.3
61	PFHxDA		12.76	813.122 > 768.8565	918		0.753	28.24	NO	150.6
62	PFODA		12.99	913.411 > 868.7332	102	m7	0.419	12.60	NO	83.8
63	M2PFHxDA		12.76	815.102 > 770.108	10889		9.027		na	90.3
64	PFDoS		11.95	699.154 > 80.062	169	m7	0.512	5.62	YES	102.4
65	M2D4-10:2FTS		11.54	633.201 > 612.189	1389		11.797		na	60.2
66	10:2FTS		11.54	627.192 > 607.186	41		0.435	28.98	YES	90.0
67	9CL-PF3ONS		10.28	530.862 > 350.843	2126		0.413	2.81	NO	88.4
68	11CL-PFOUdS		11.33	630.862 > 450.854	1582		0.383	3.38	NO	81.2

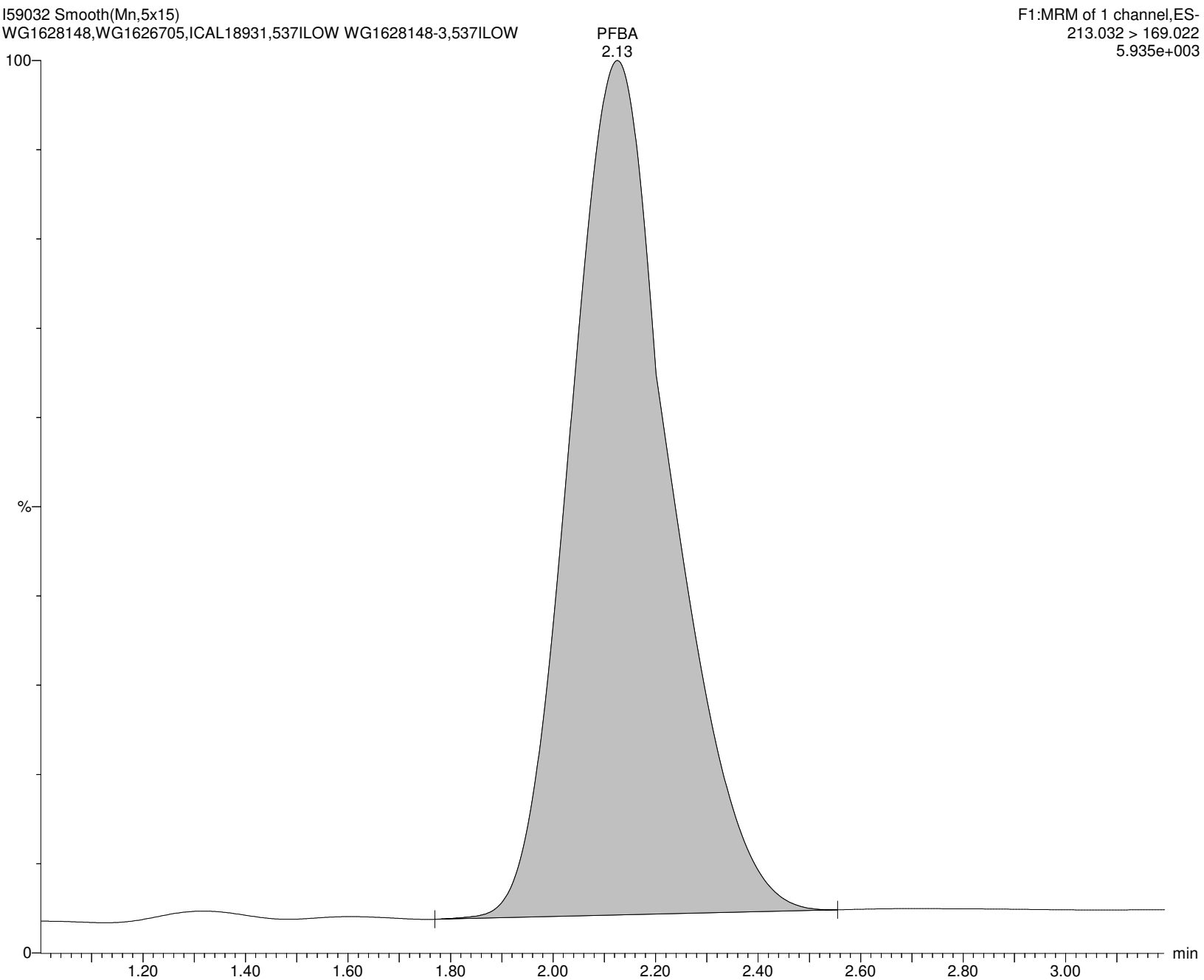
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PFBA

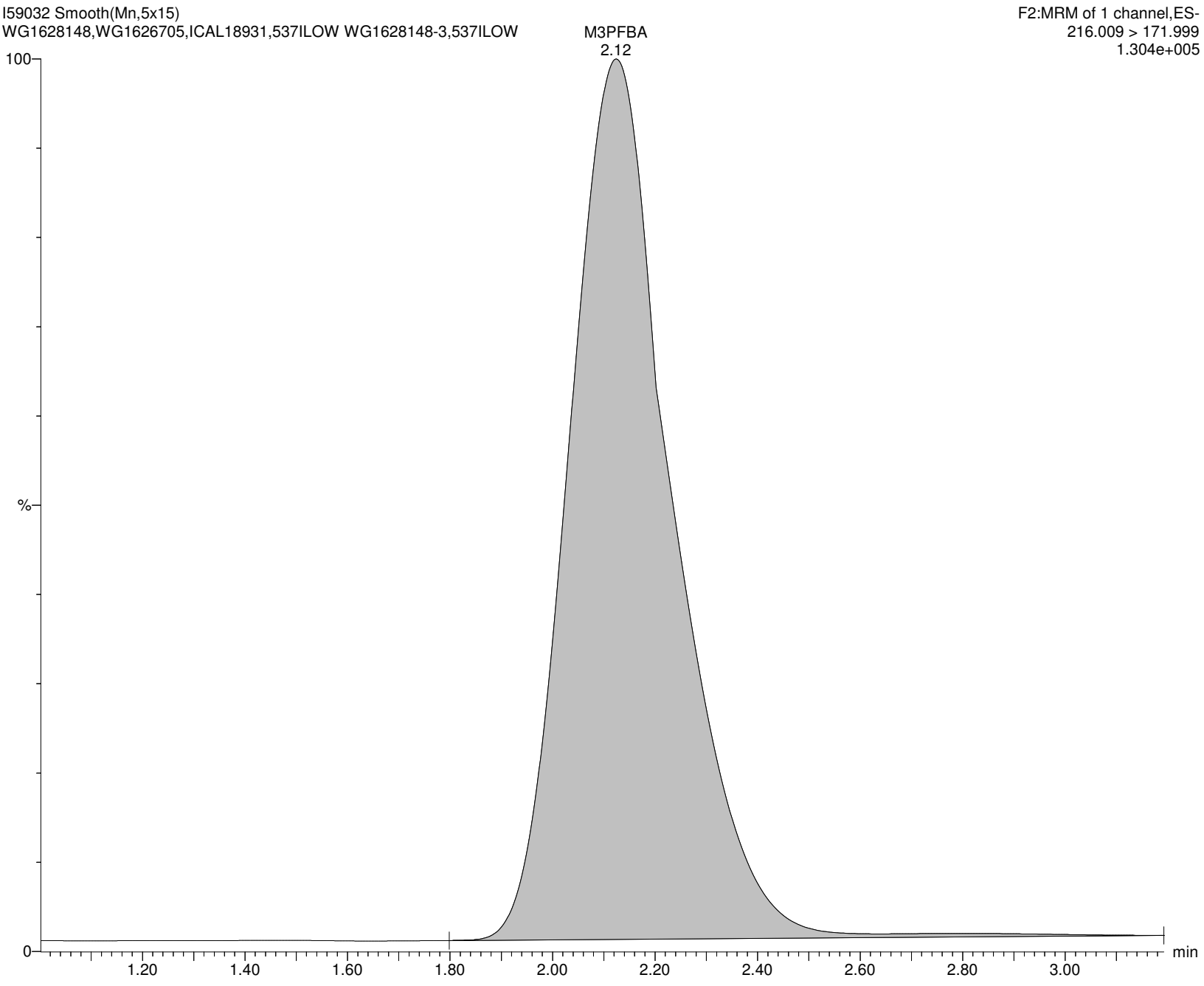


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:05:02 Eastern Daylight Time

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ID: WG1628148-3,537ILOW
Date: 18-Apr-2022
Time: 02:07:37
Description: WG1628148,WG1626705,ICAL18931,537ILOW
User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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M3PFBA

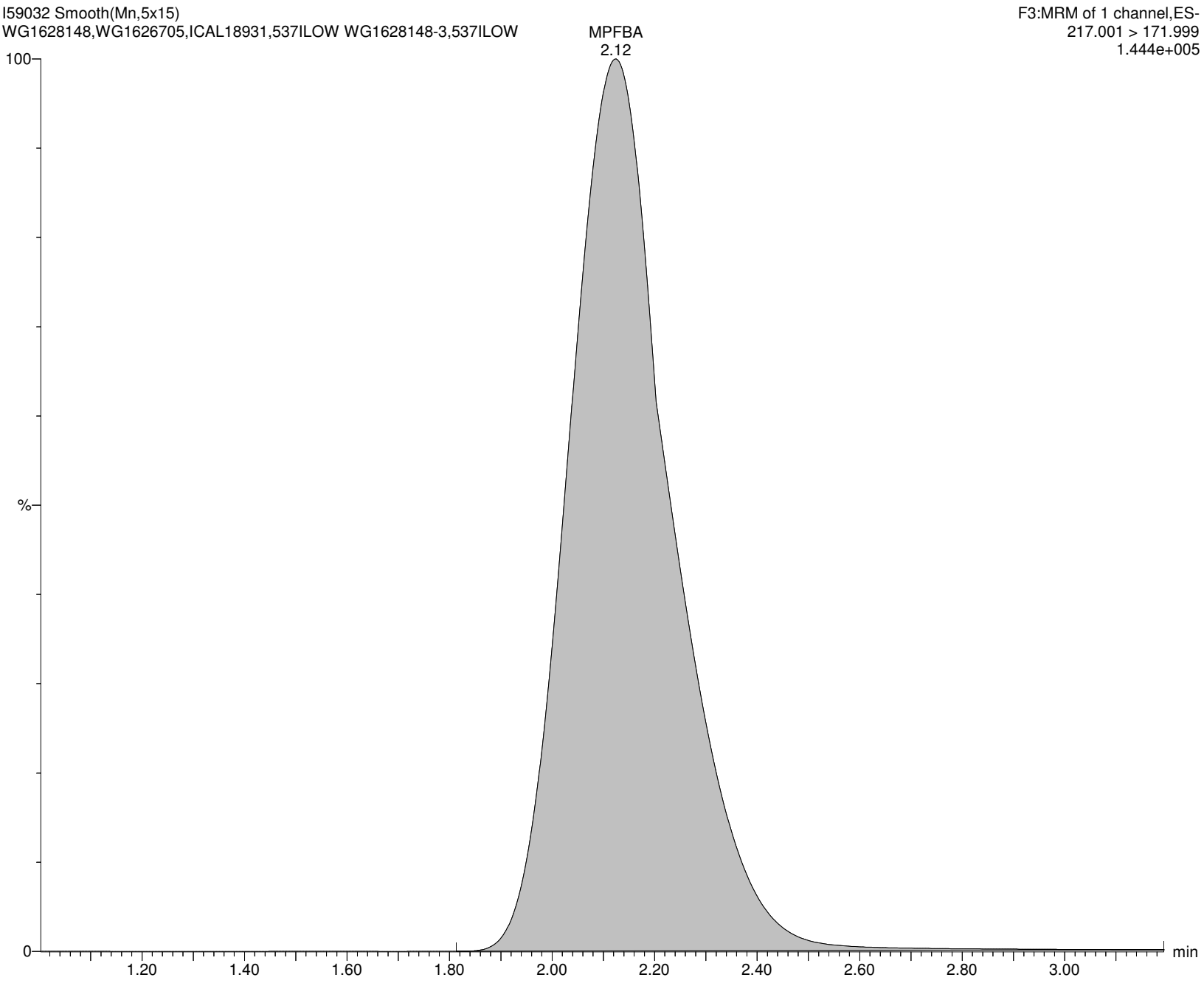


all concentration units in (ng/mL)

Alpha Analytical Inc.
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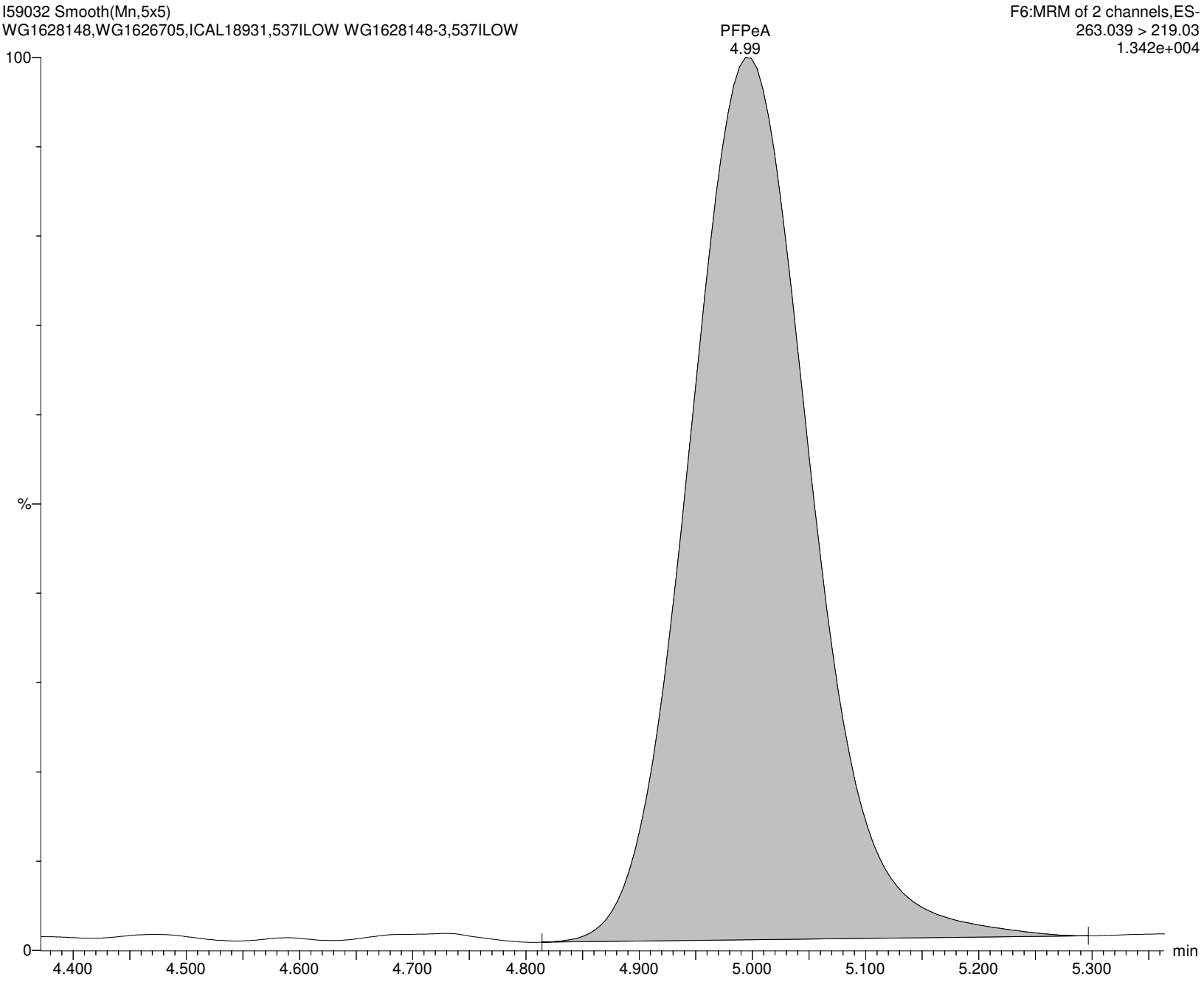


all concentration units in (ng/mL)

Alpha Analytical Inc.
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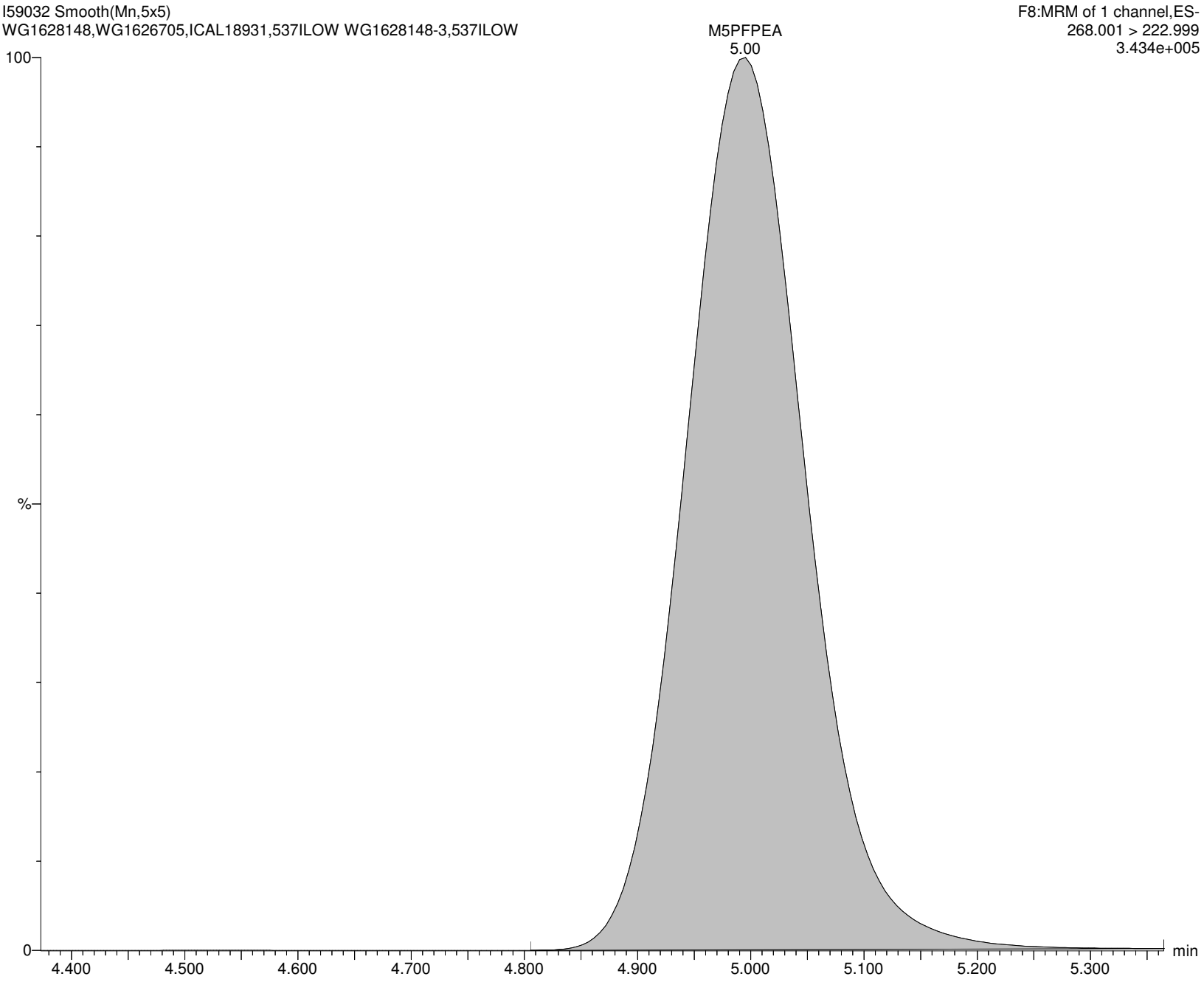


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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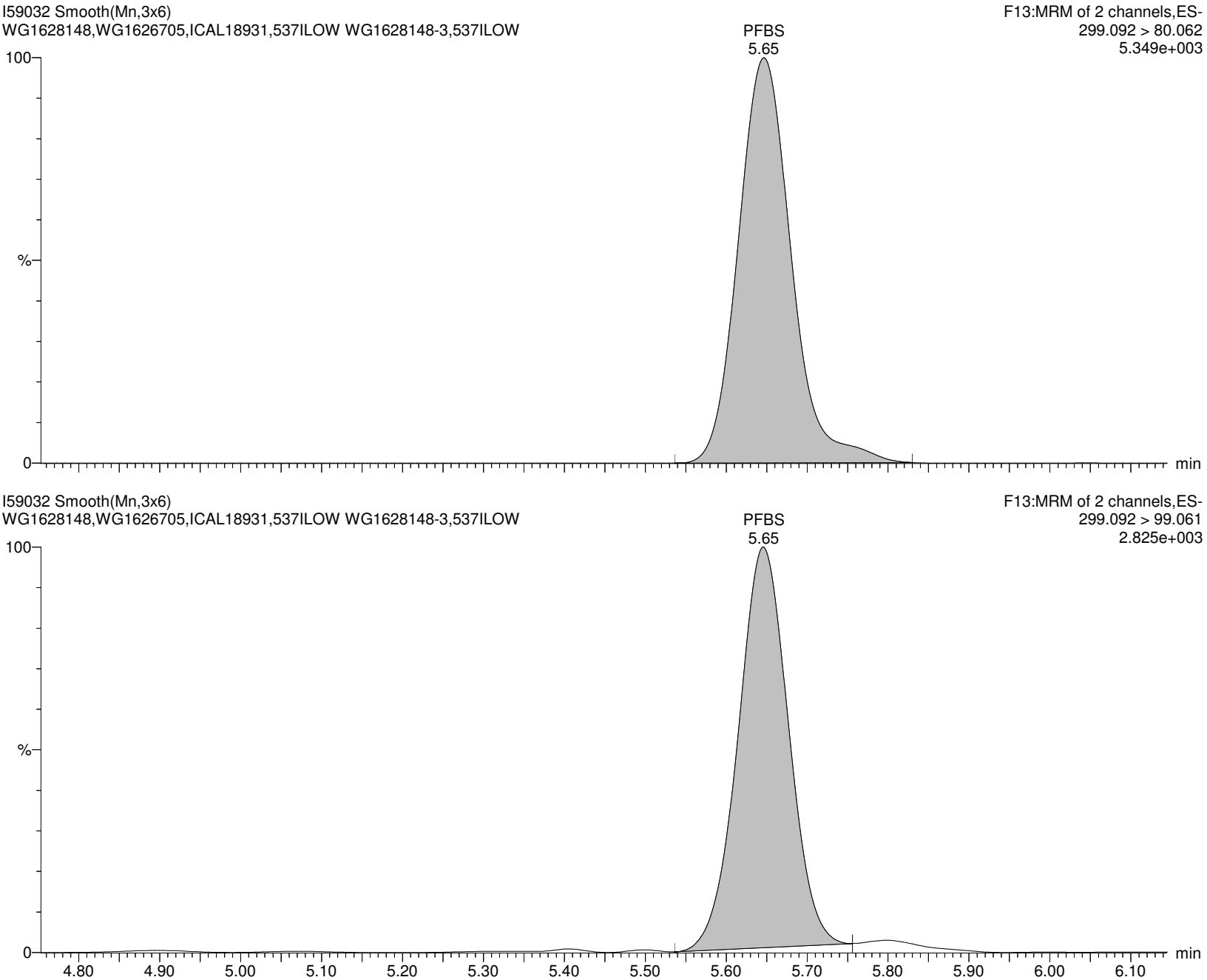


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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PFBS

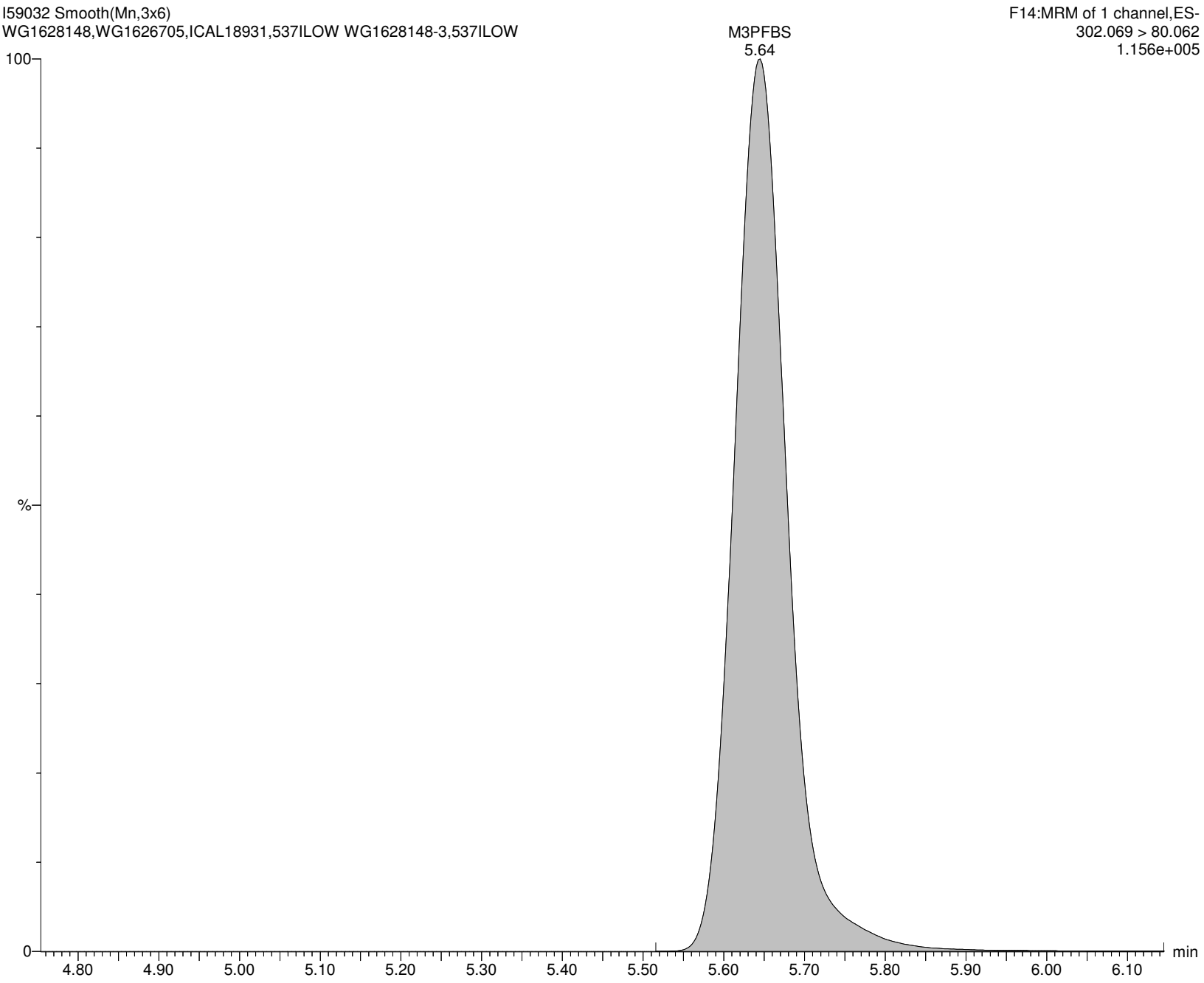


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M3PFBS

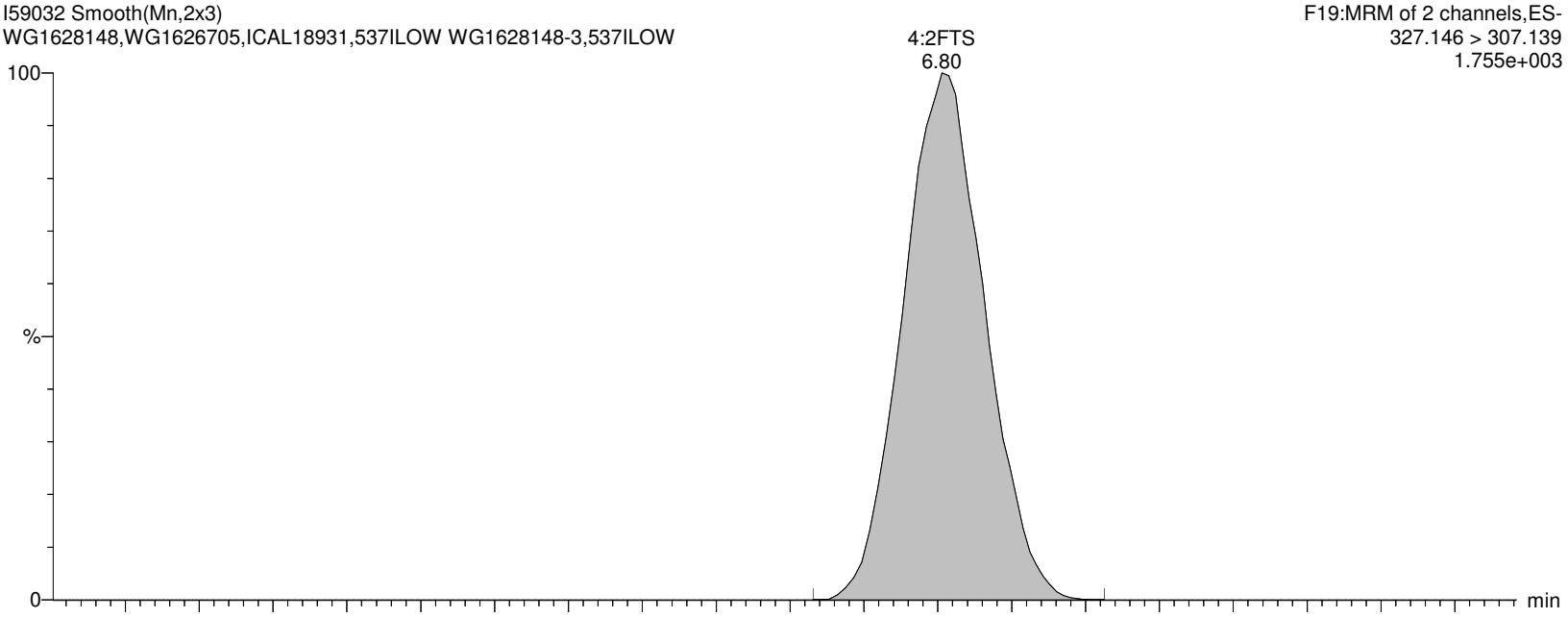


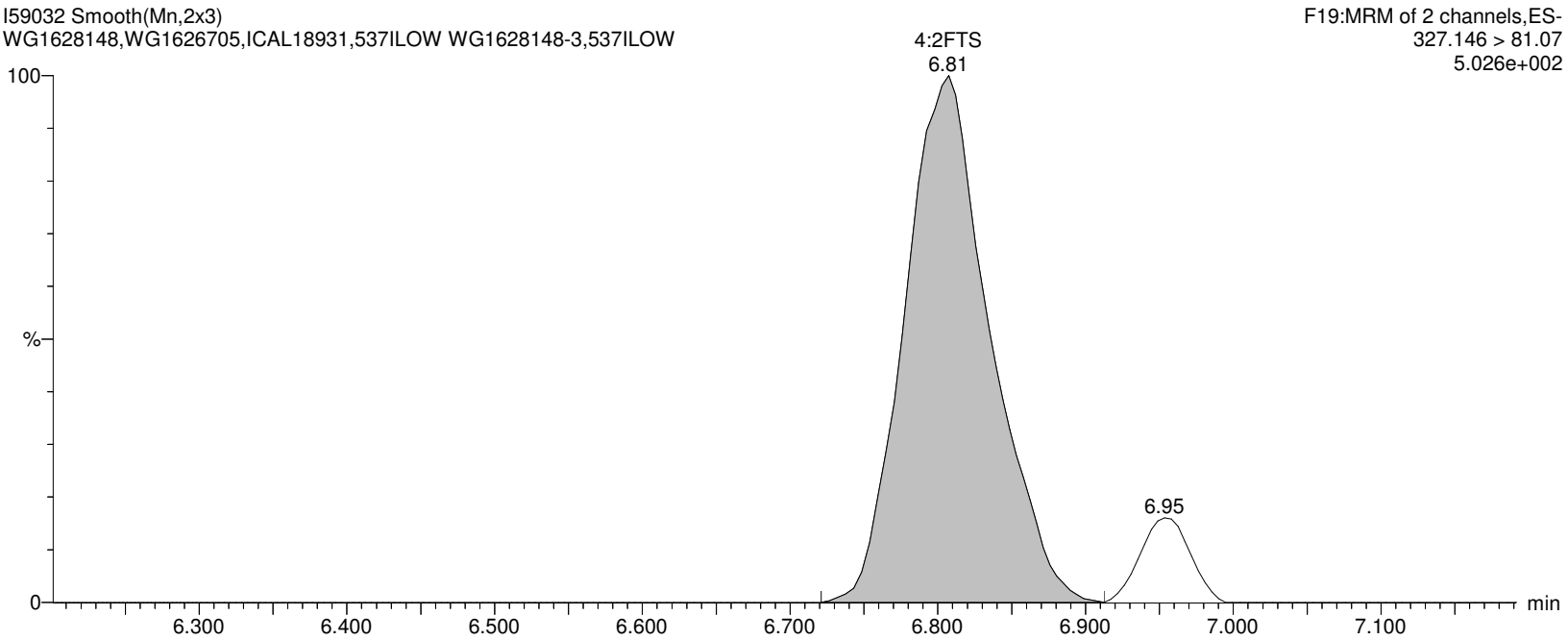
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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ID: WG1628148-3,537ILOW
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Time: 02:07:37
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4:2FTS



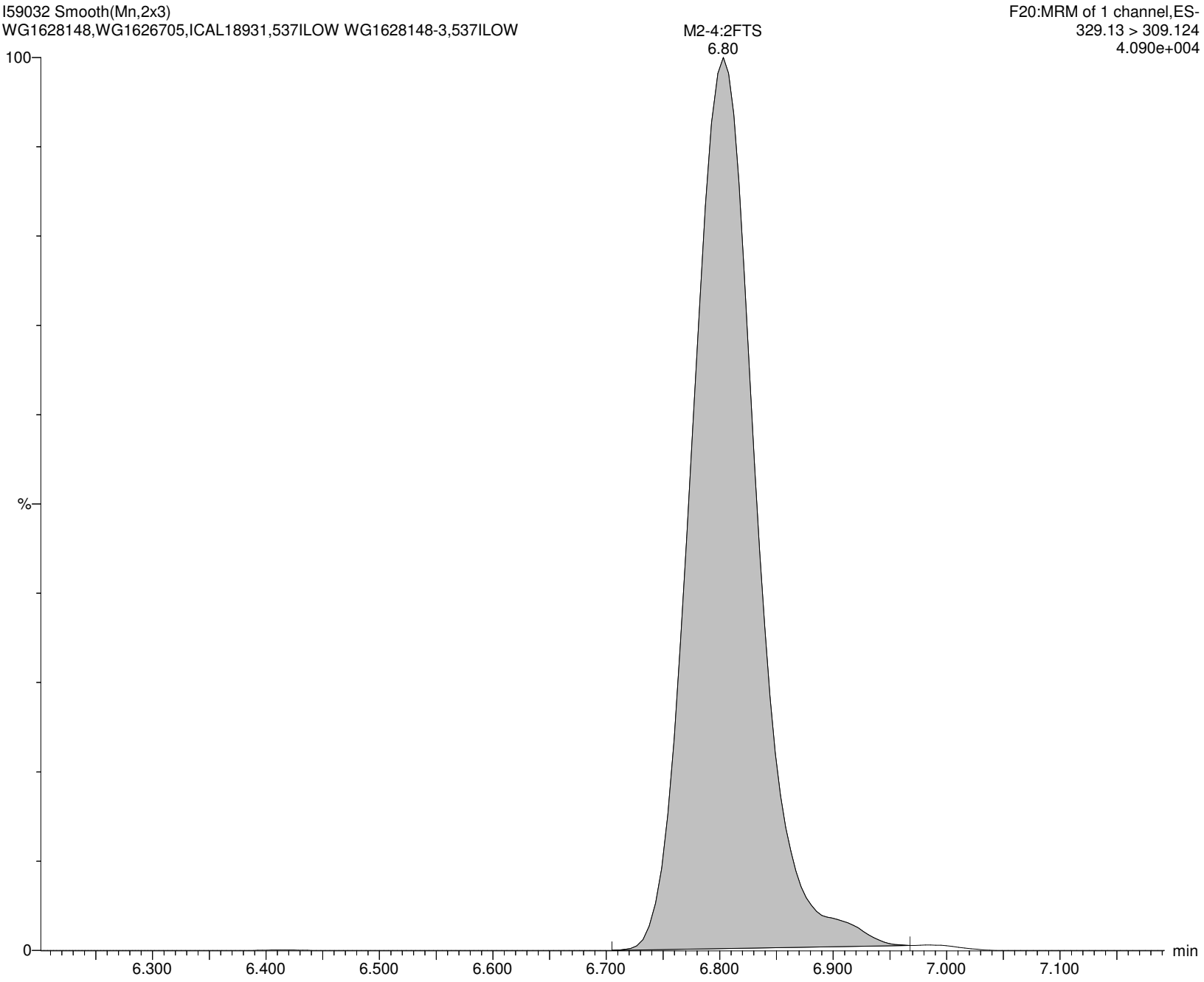


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
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M2-4:2FTS

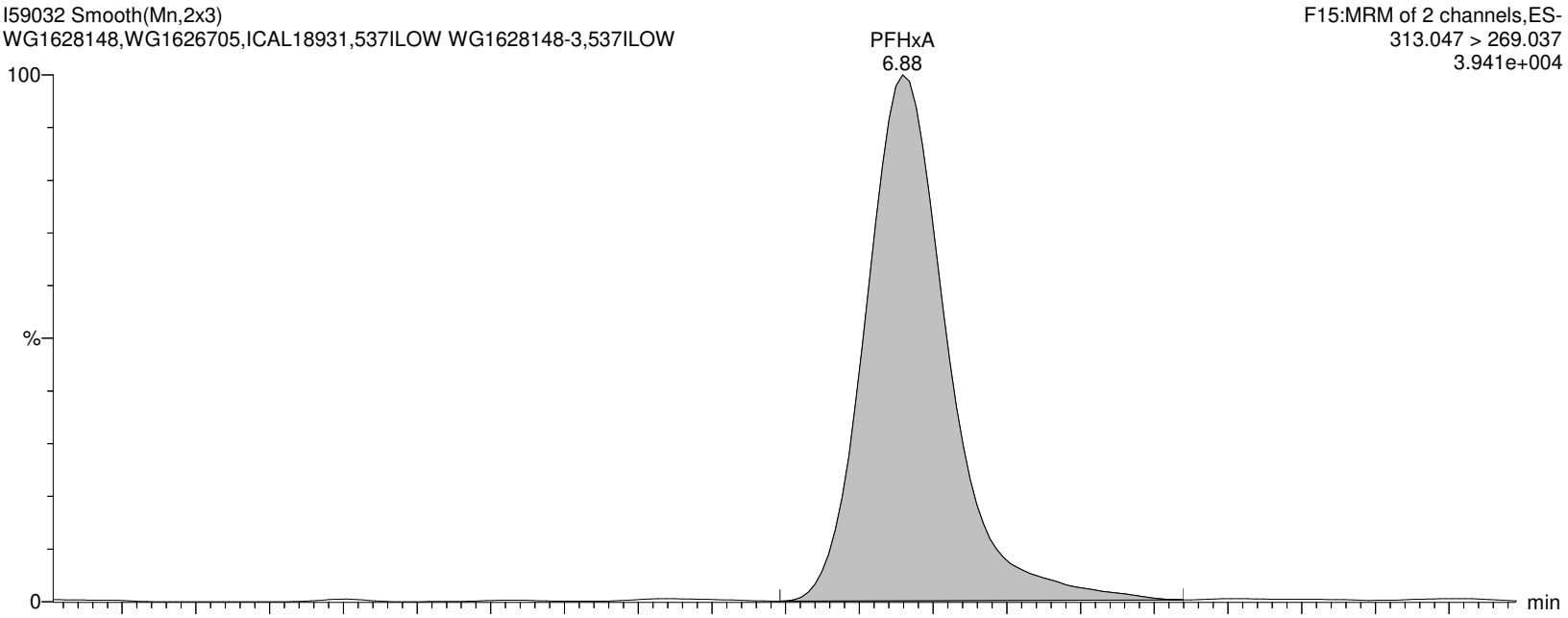


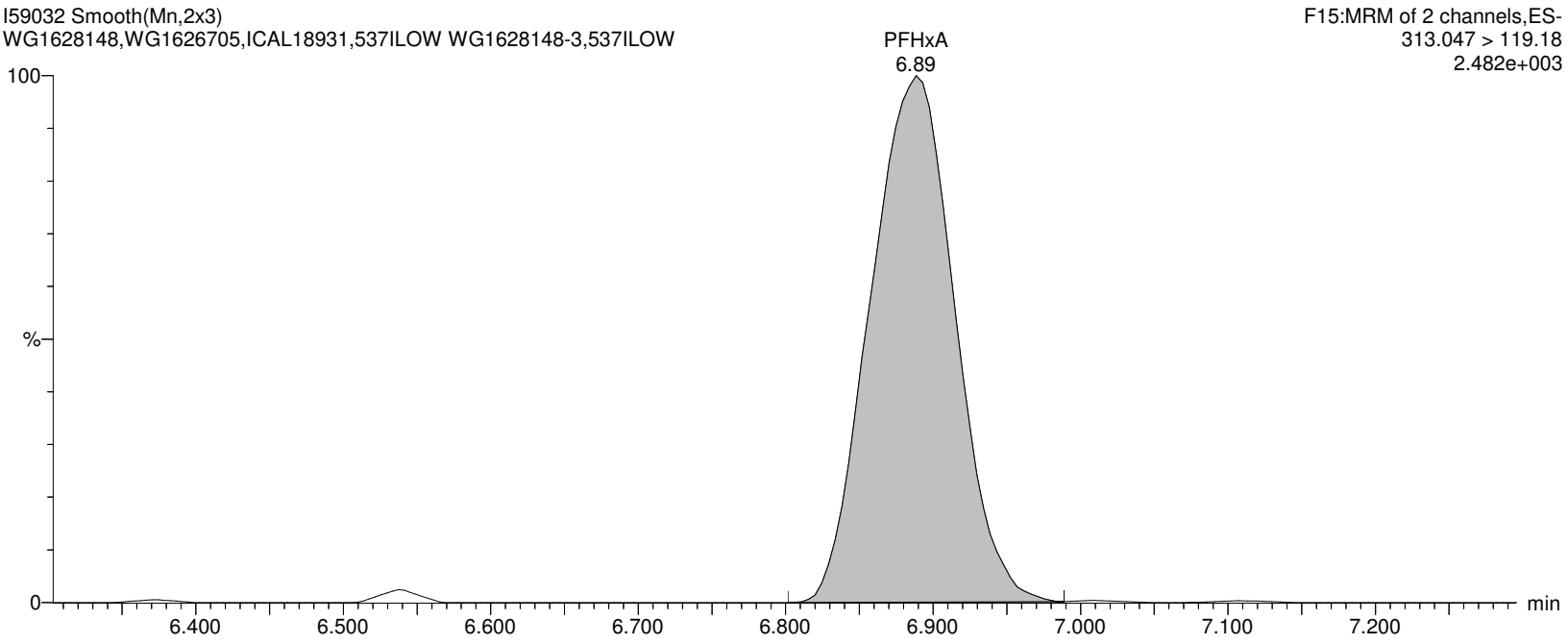
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
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PFHxA



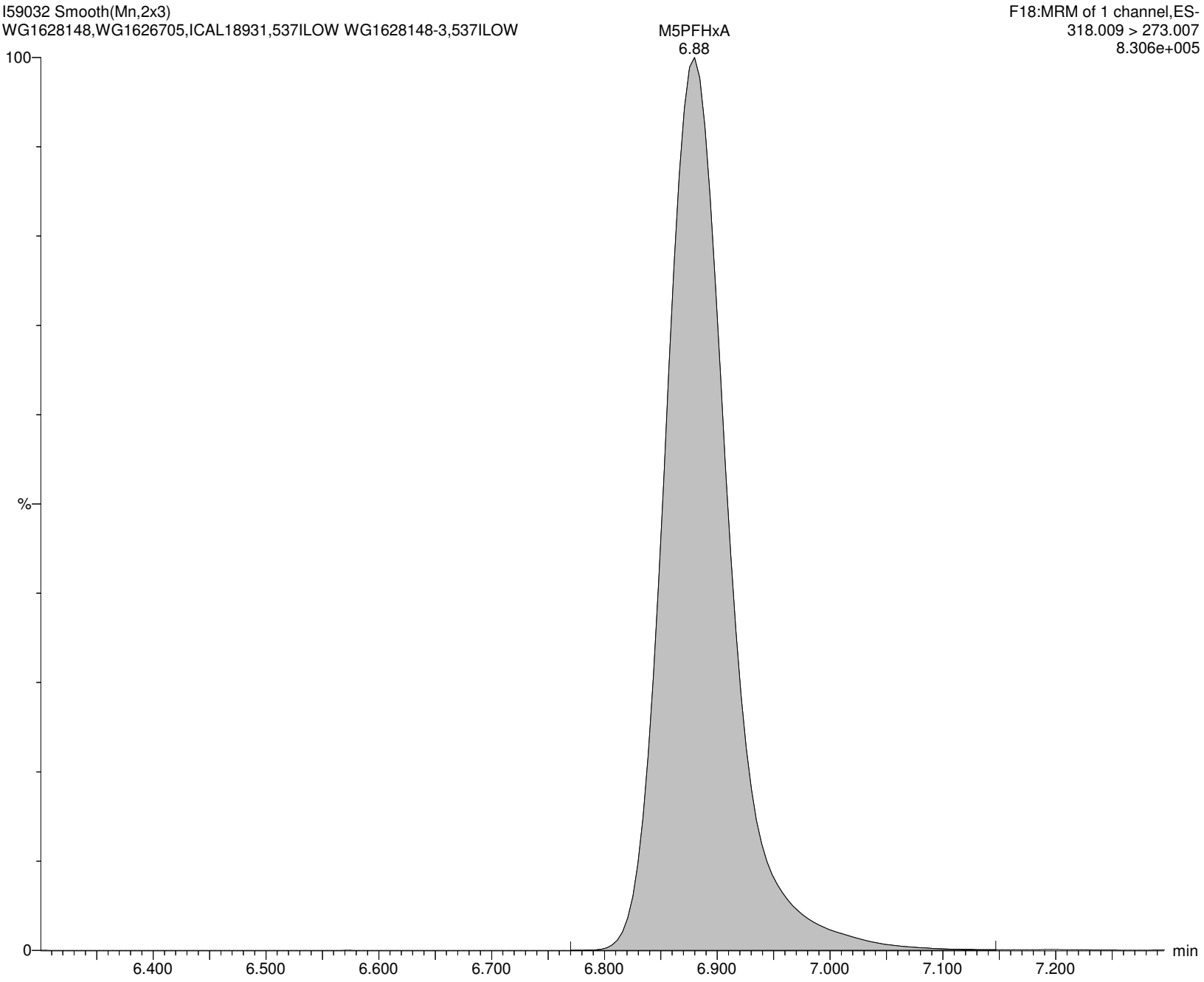


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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ID: WG1628148-3,537ILOW
Date: 18-Apr-2022
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M5PFHxA

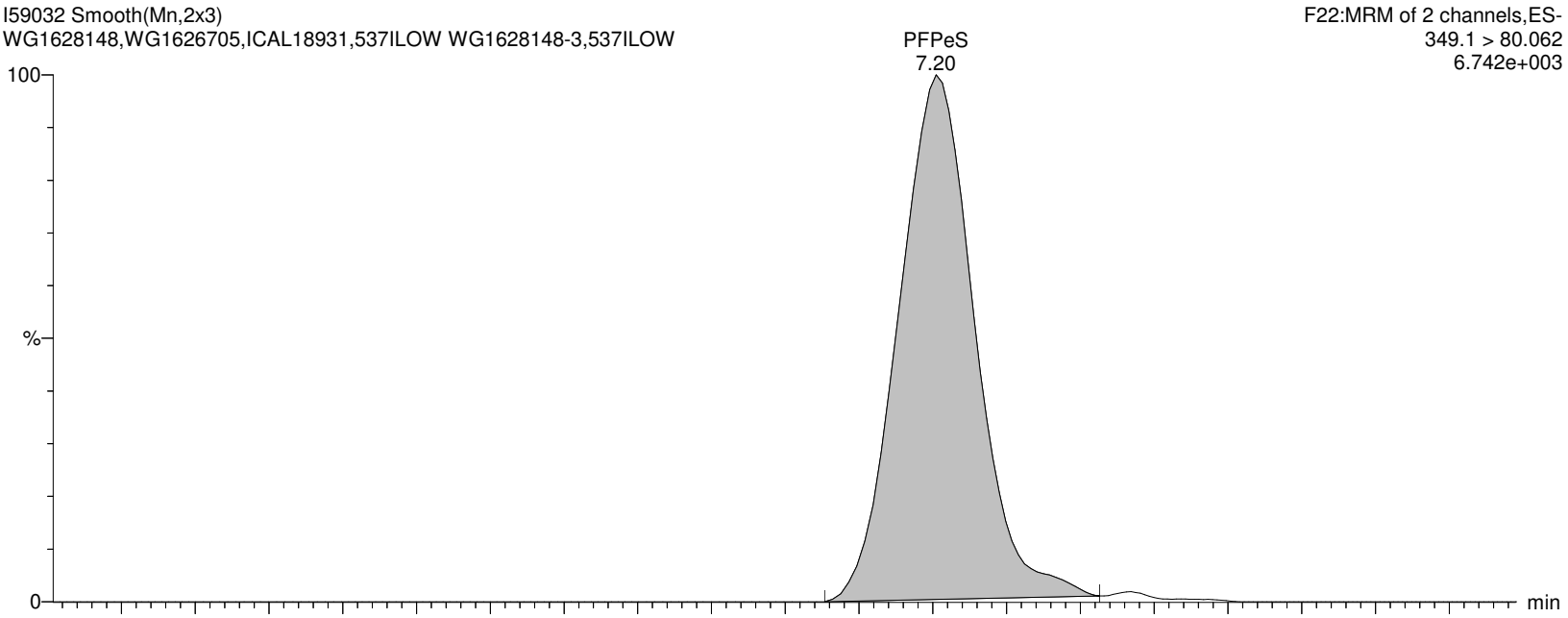


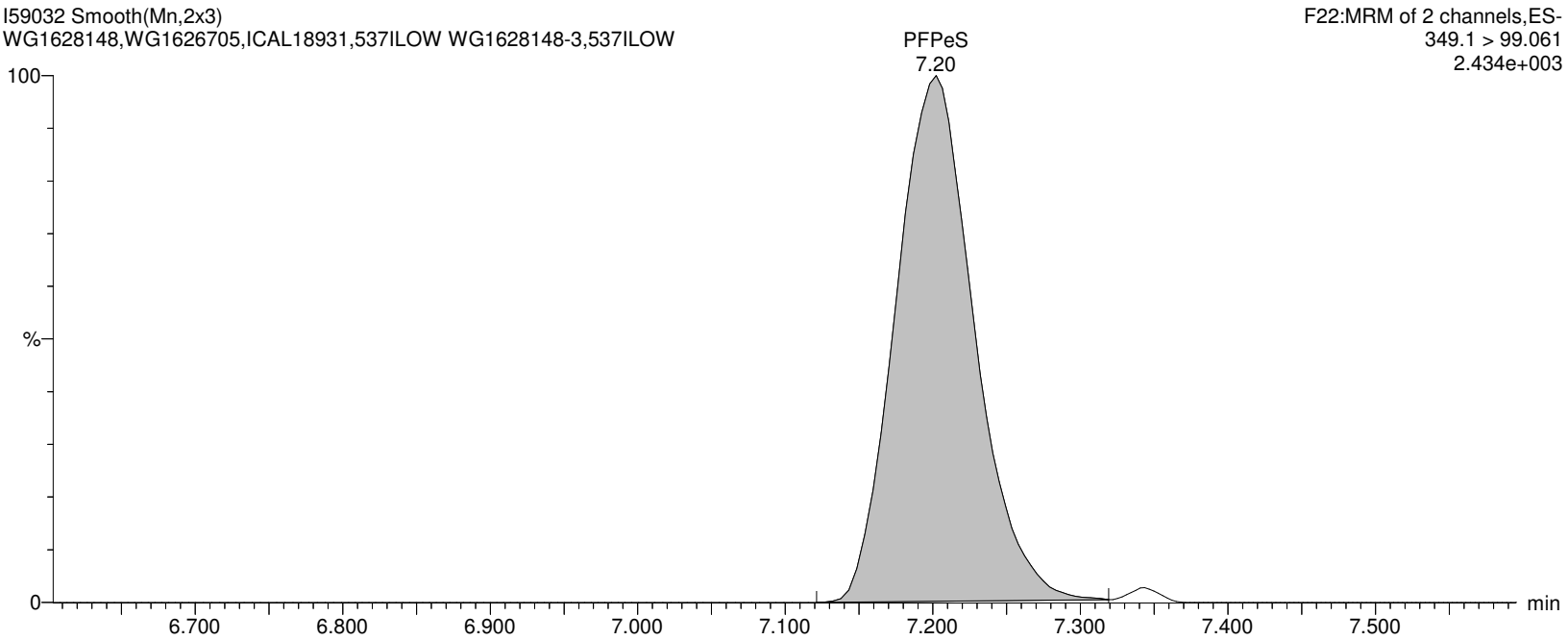
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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PFPeS



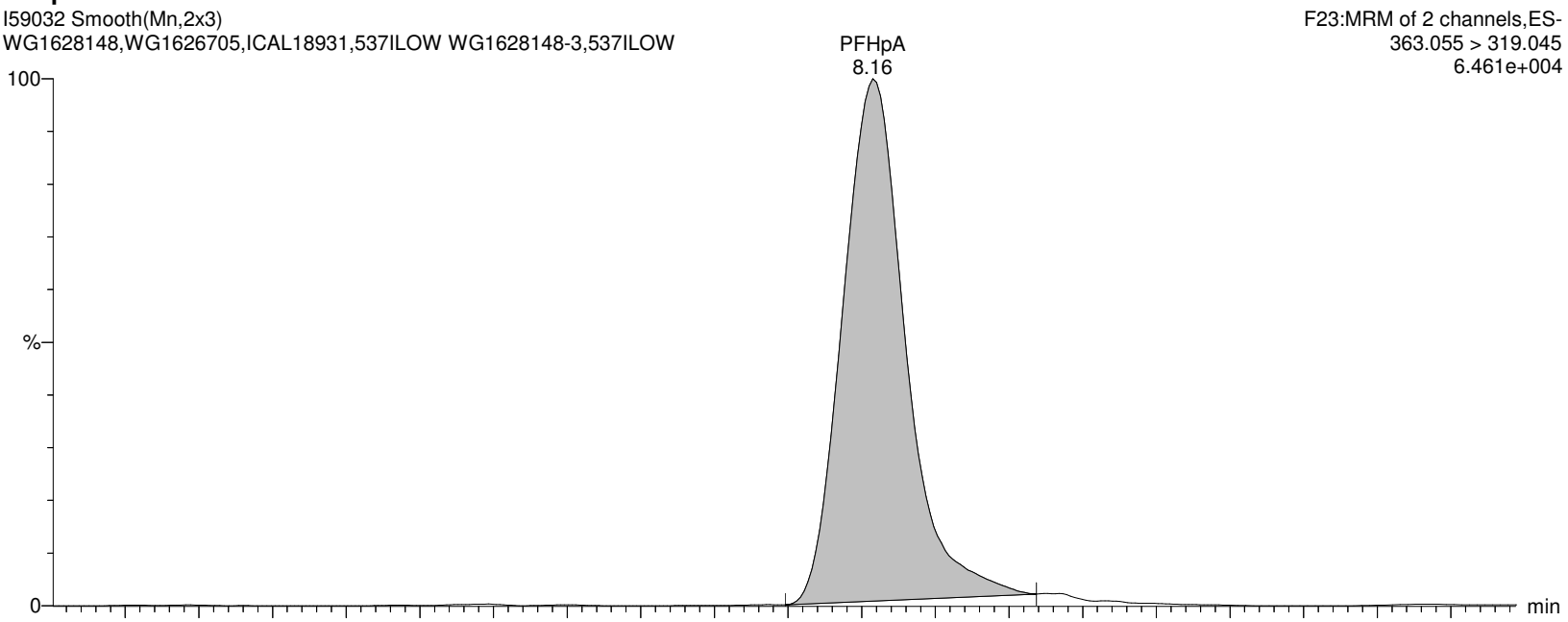


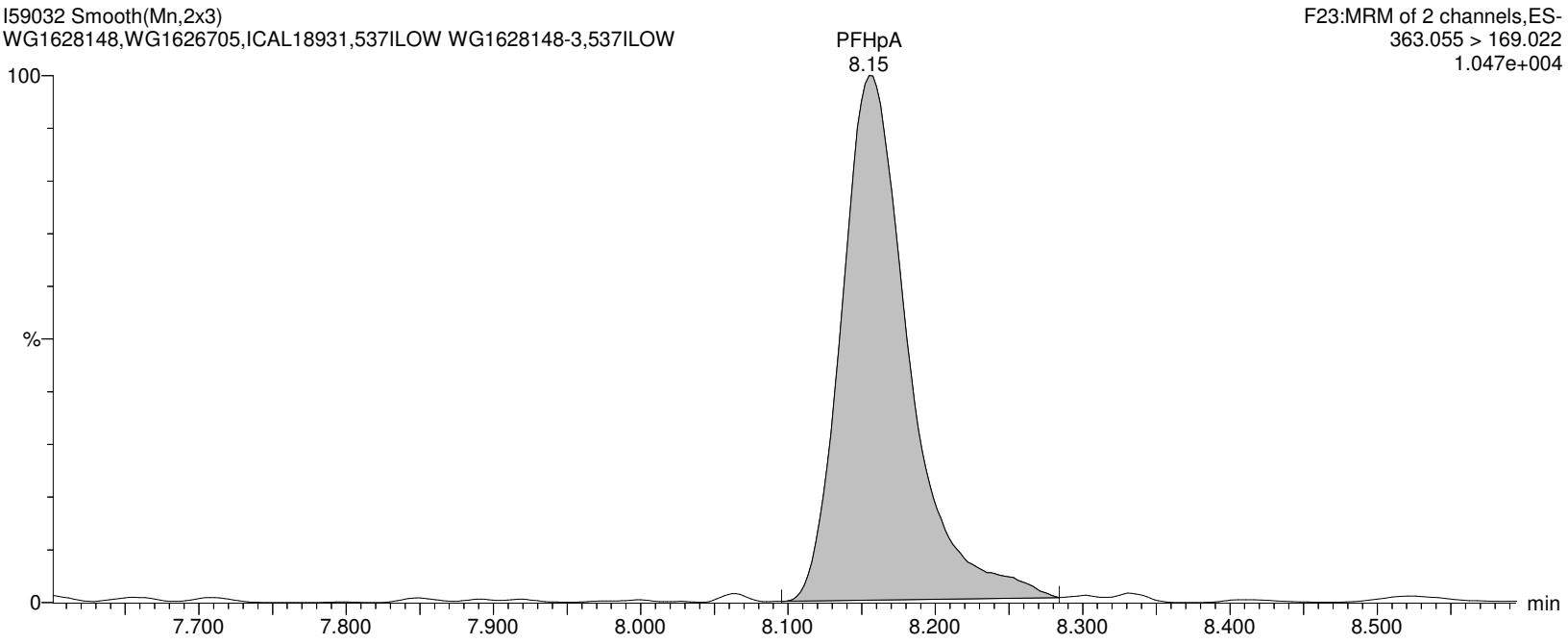
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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PFHpA



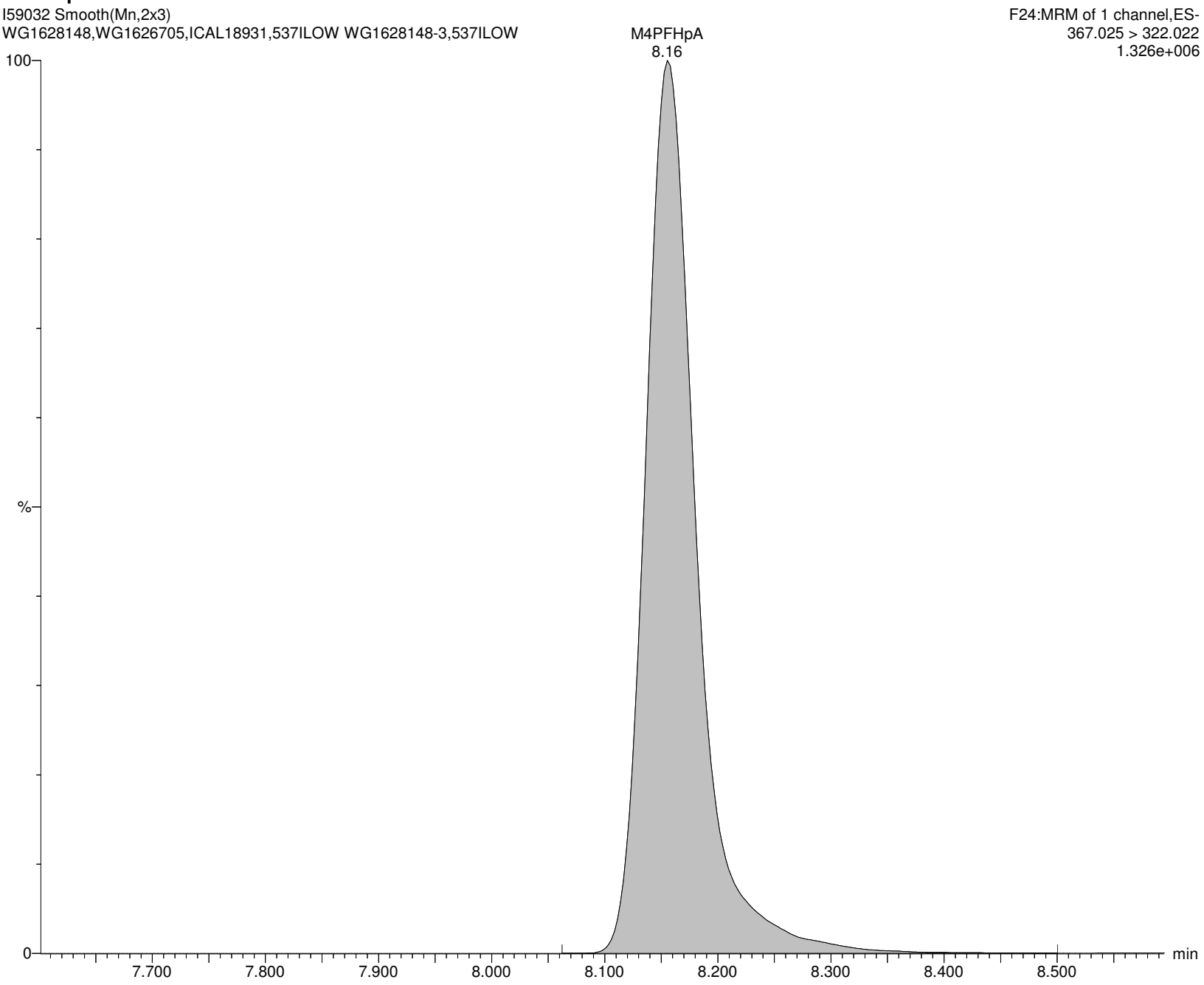


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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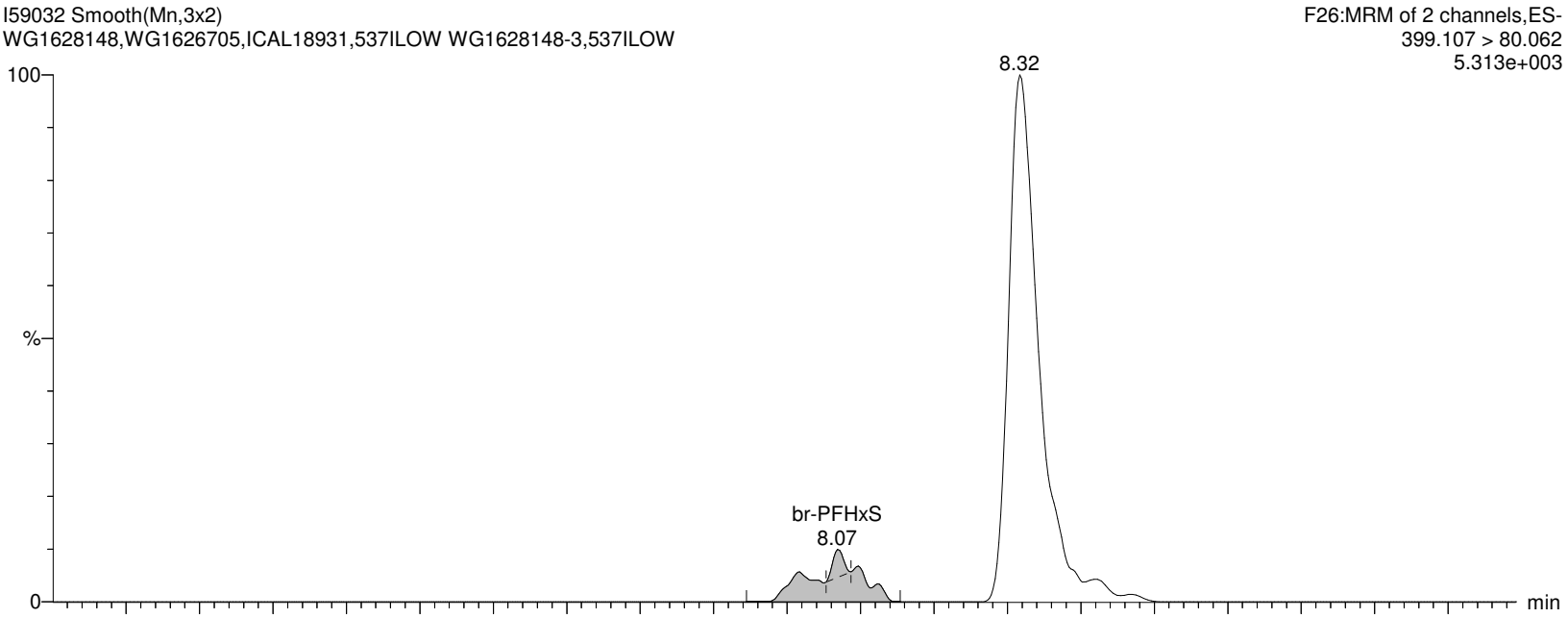


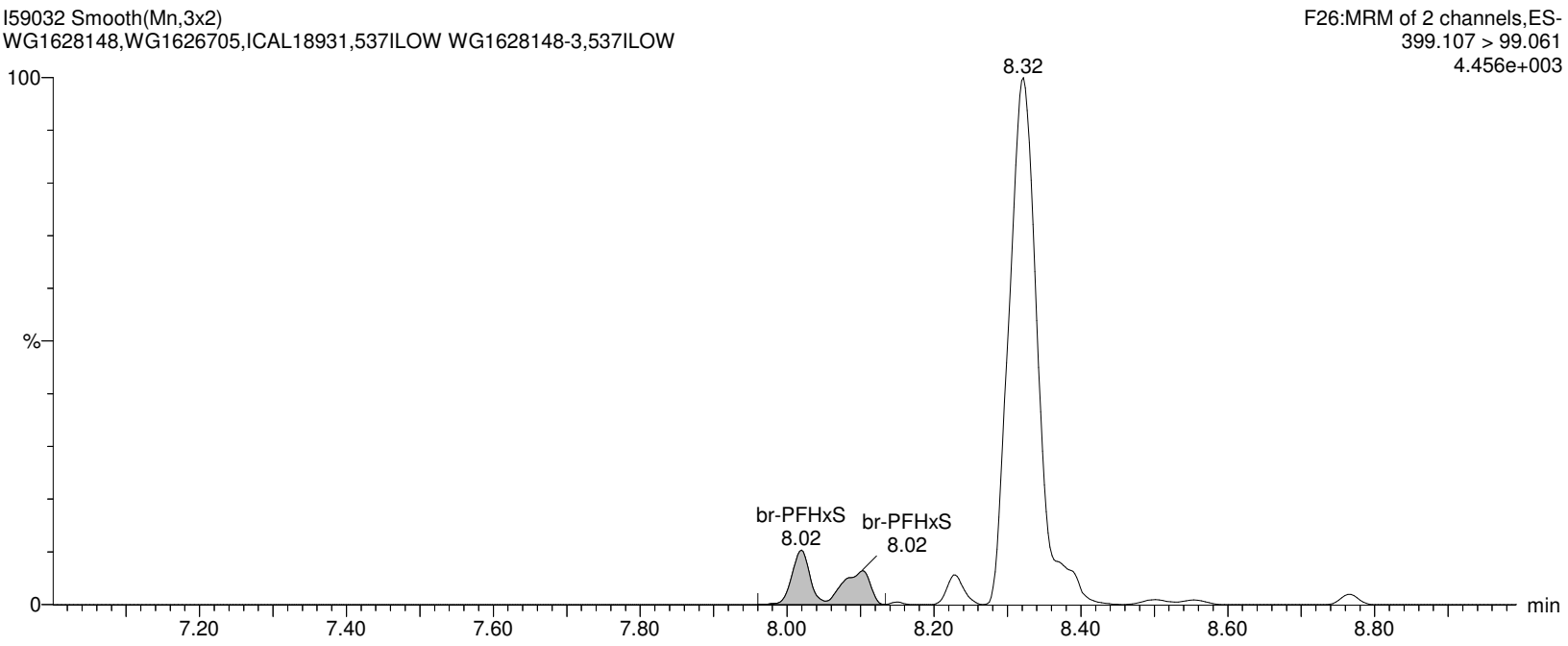
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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br-PFHxS



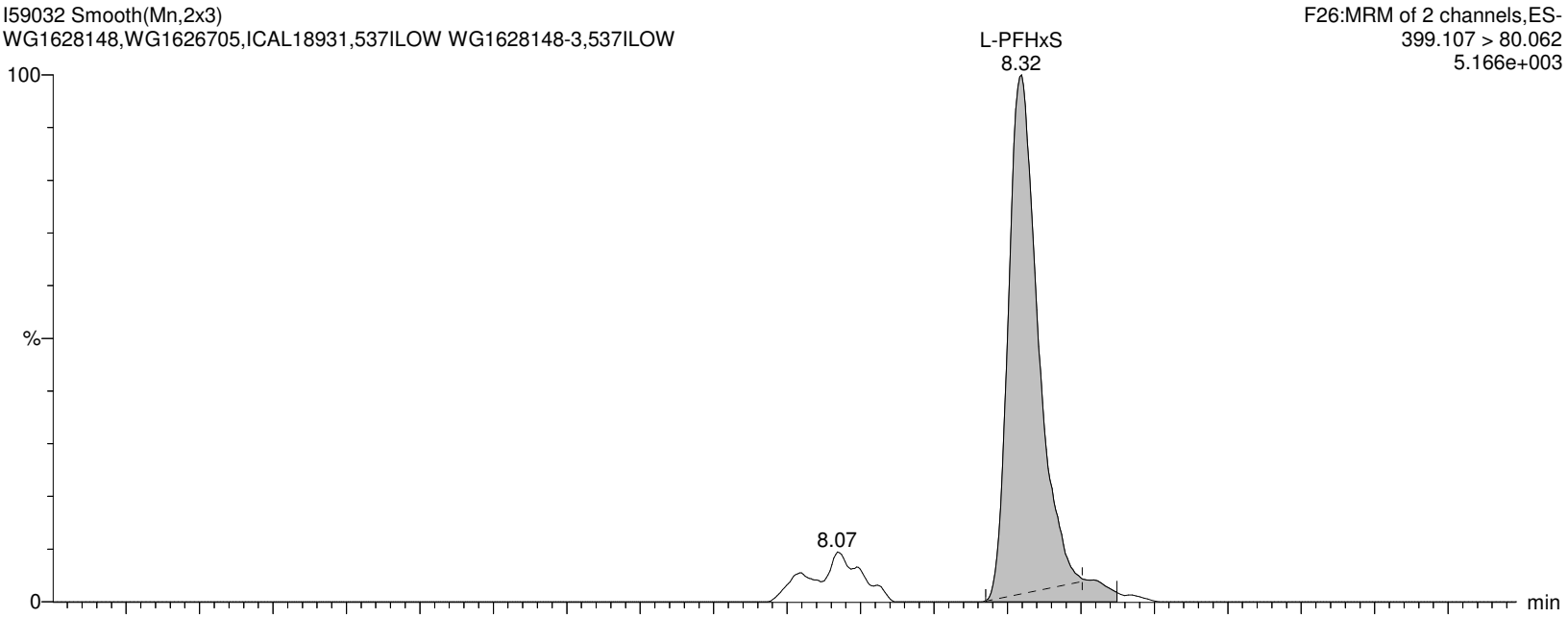


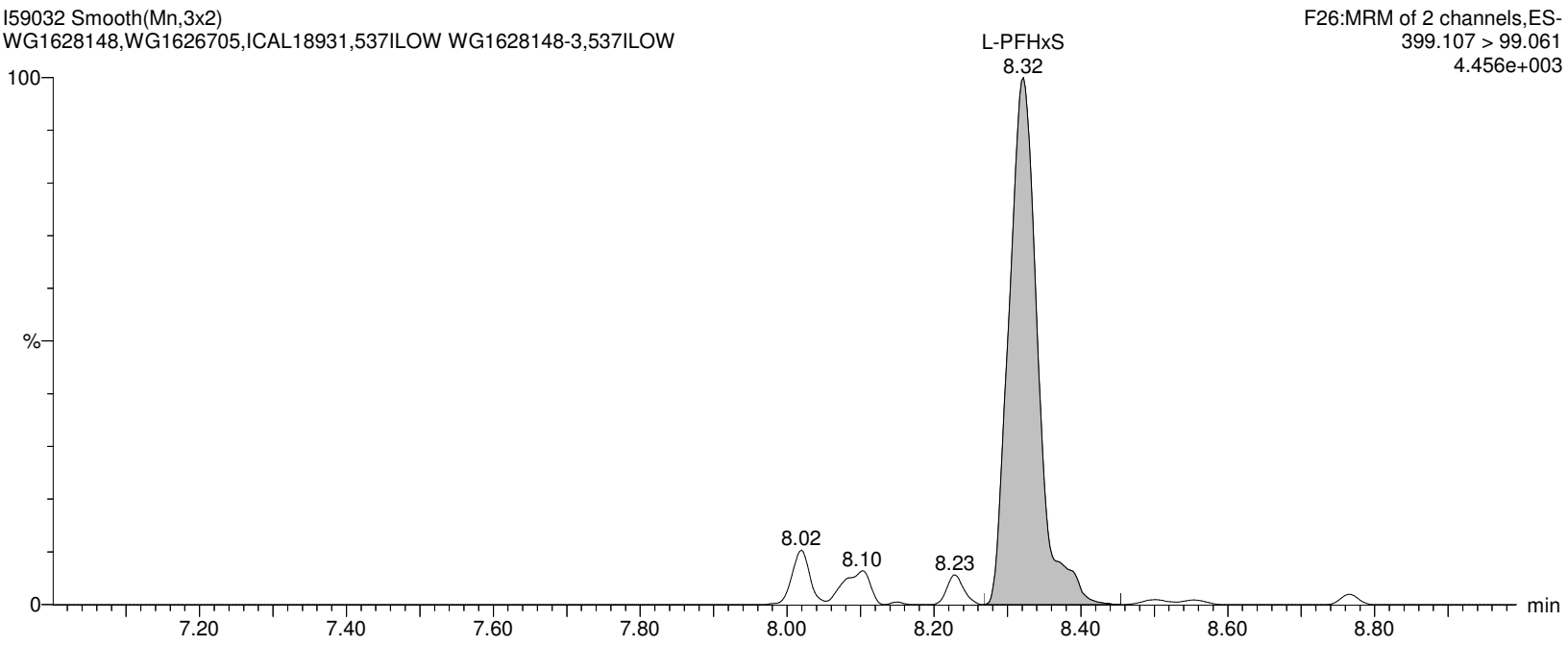
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Vial: 1:A,2
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L-PFHxS



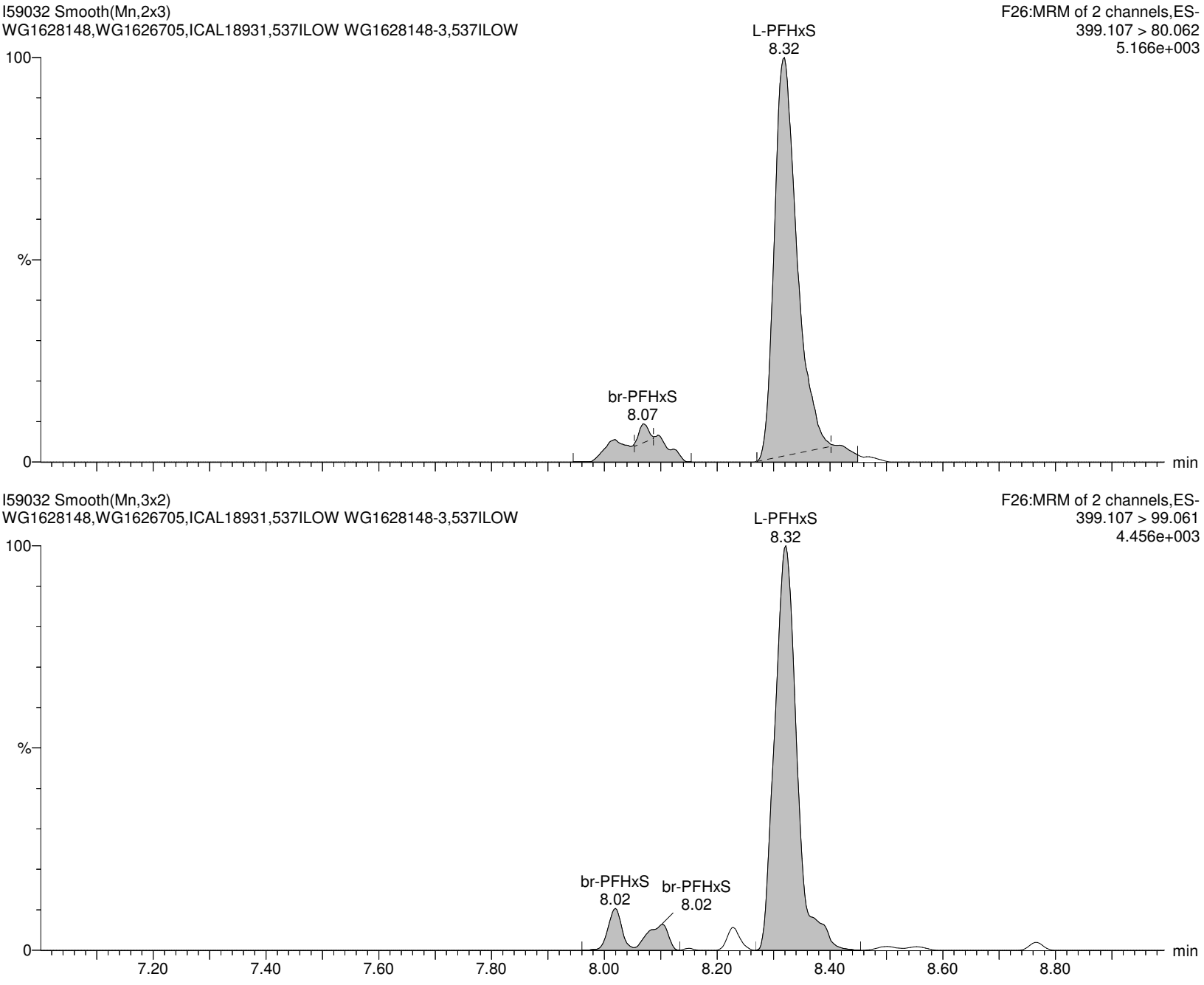


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,2
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PFHxS

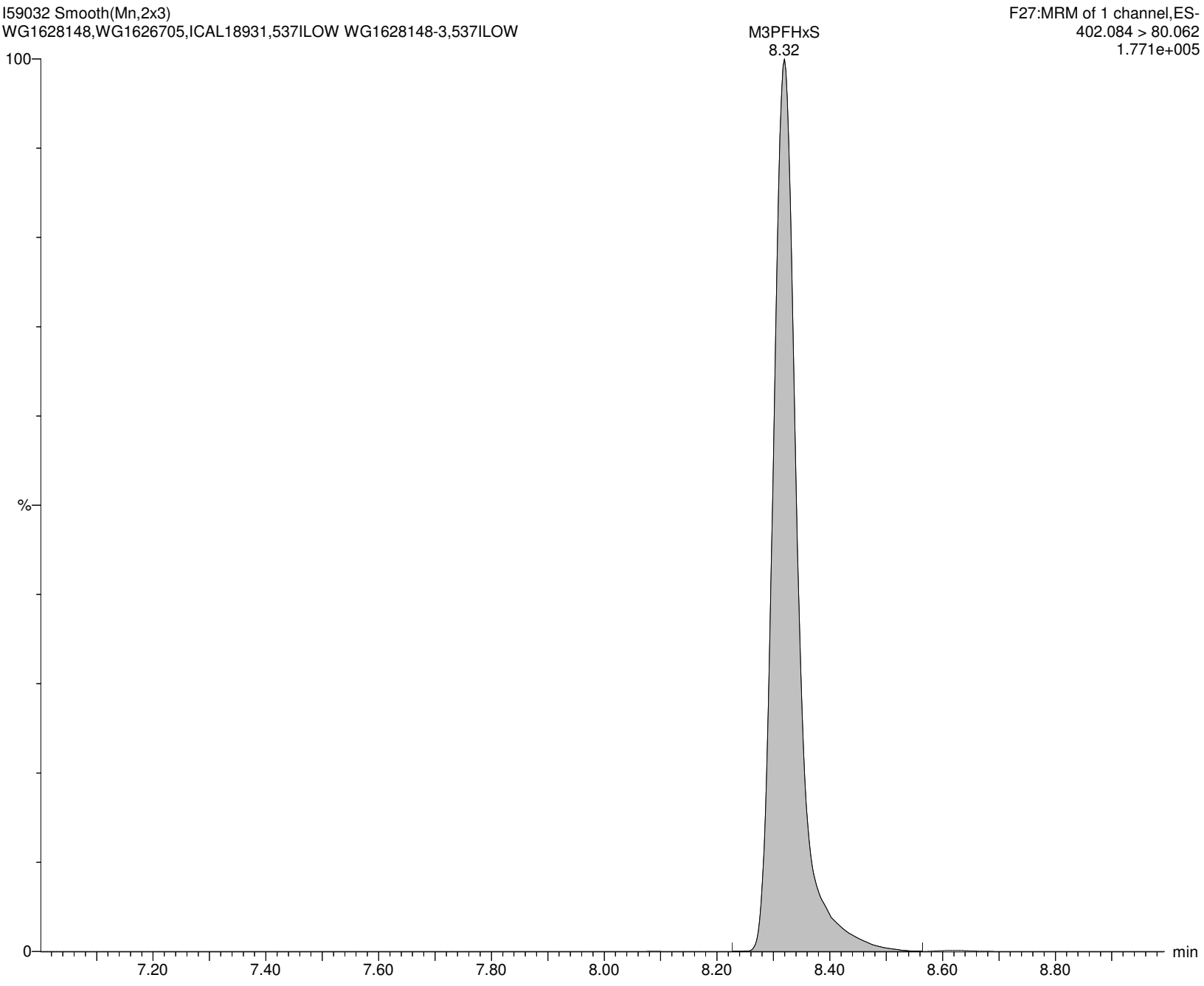


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:05:02 Eastern Daylight Time

Name: I59032
ID: WG1628148-3,537ILOW
Date: 18-Apr-2022
Time: 02:07:37
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User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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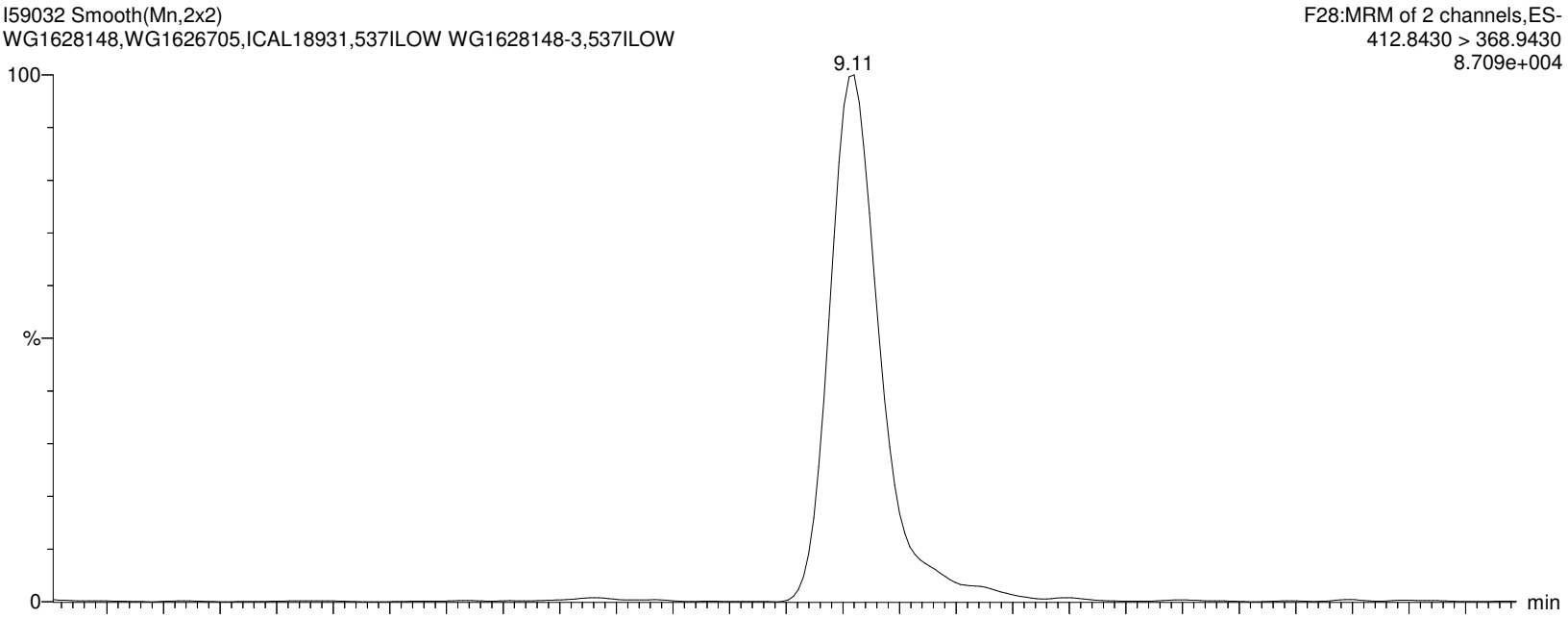


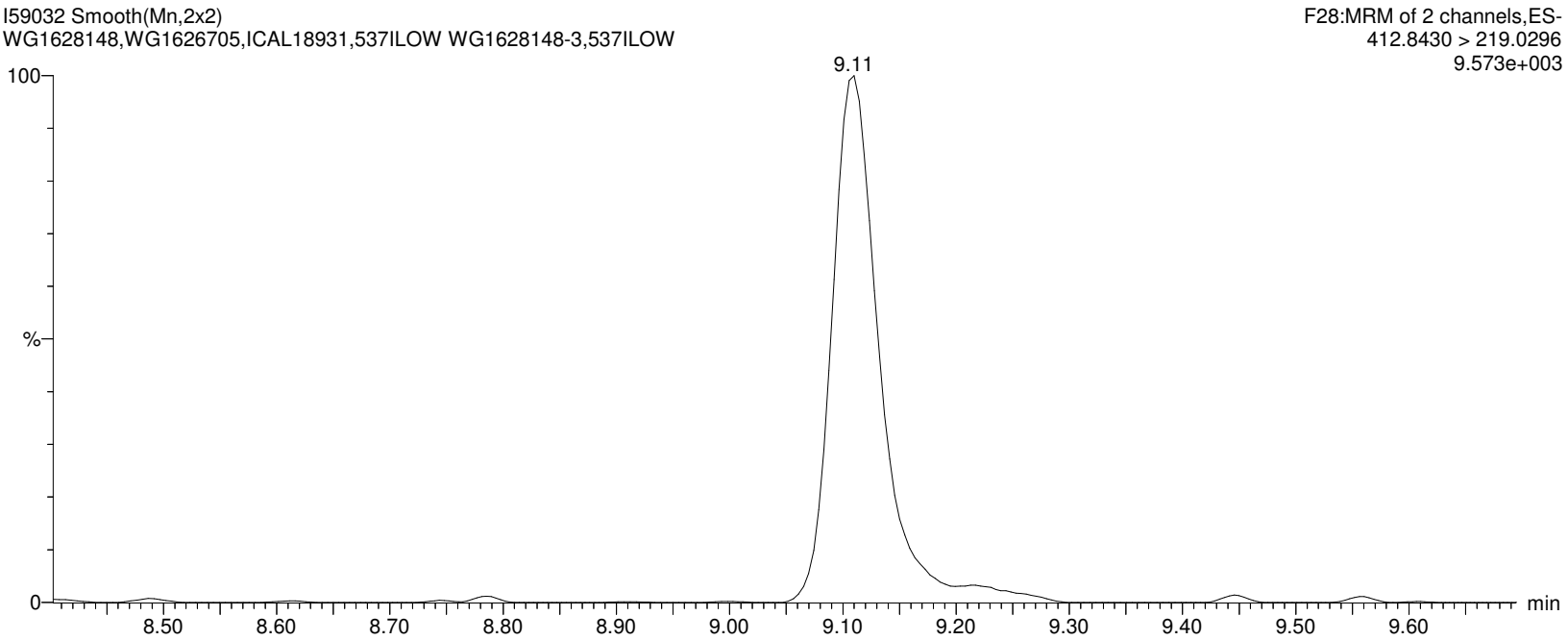
all concentration units in (ng/mL)

Alpha Analytical Inc.
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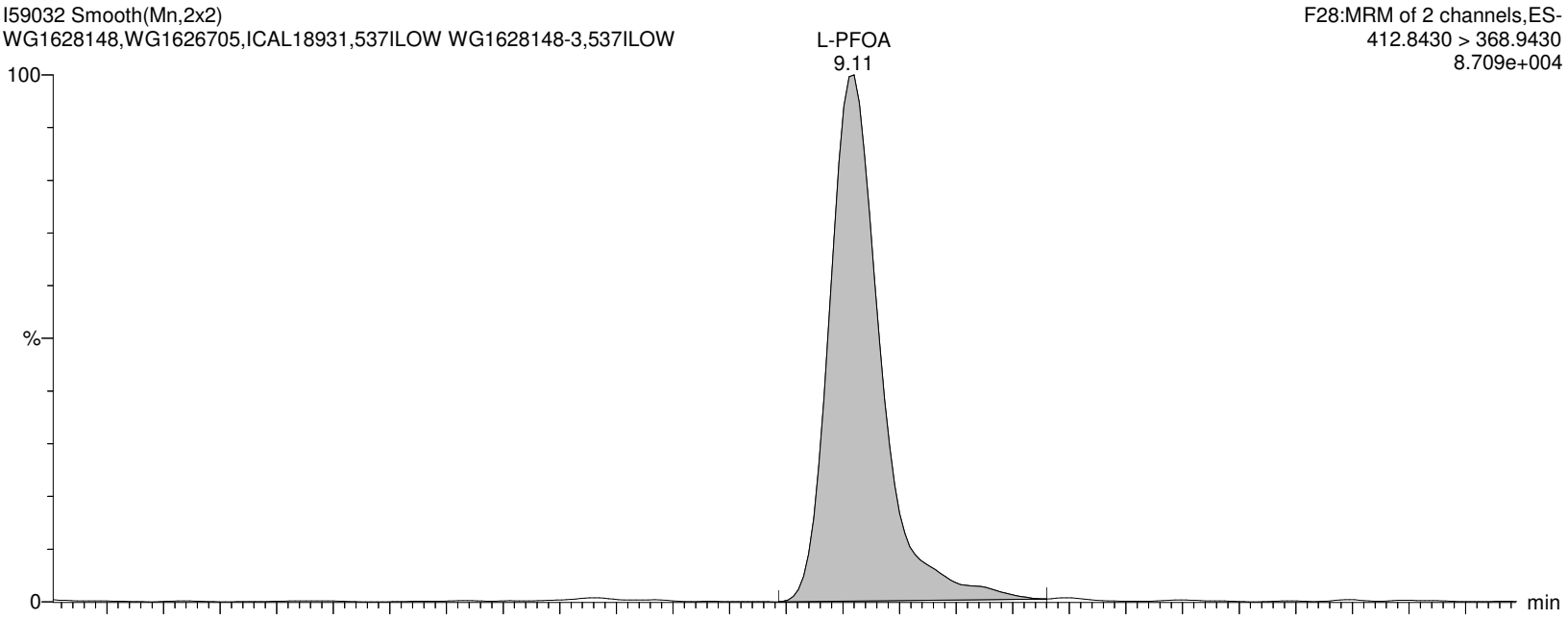


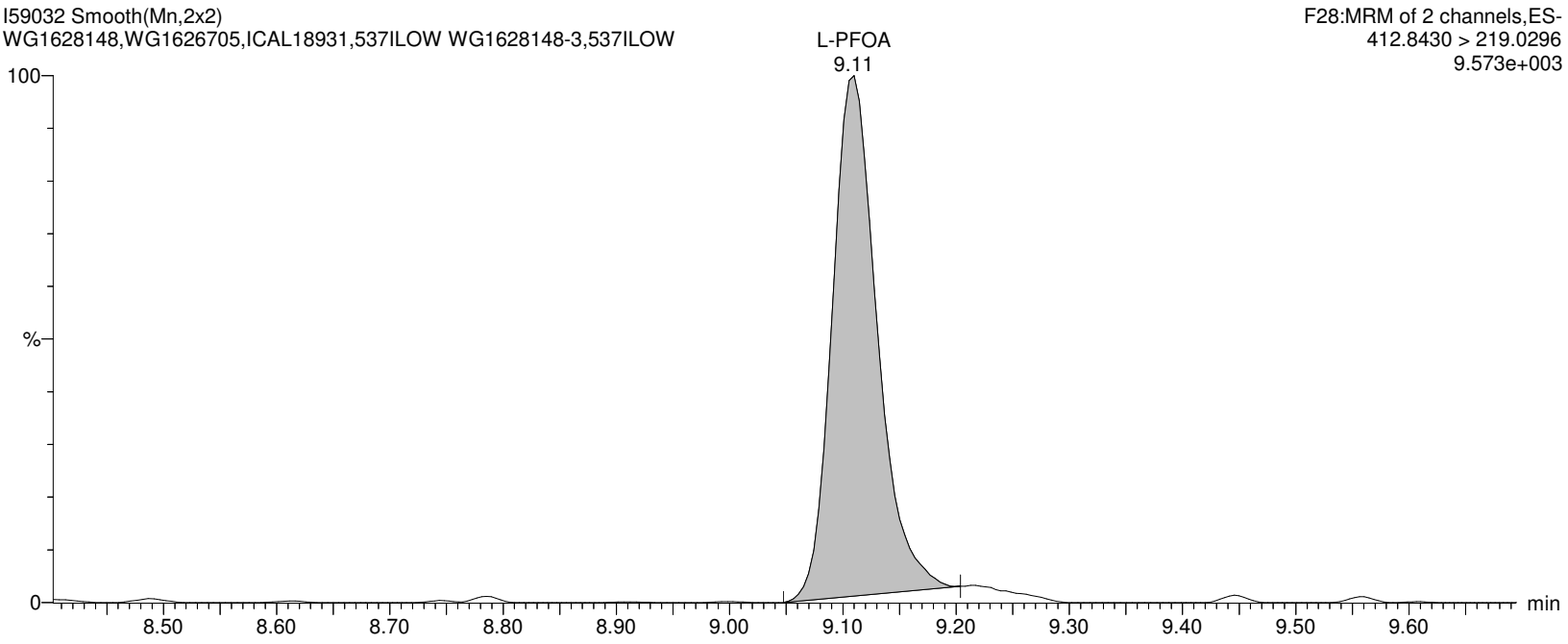
all concentration units in (ng/mL)

Alpha Analytical Inc.
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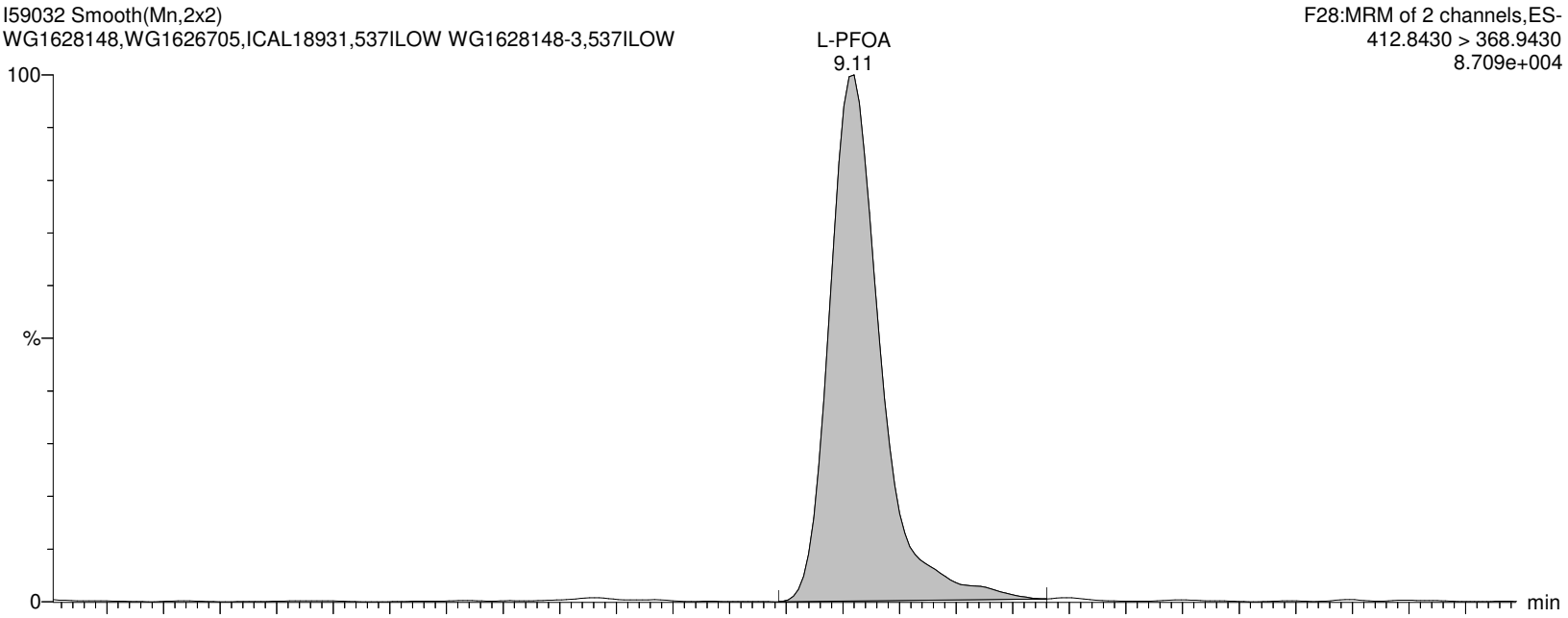


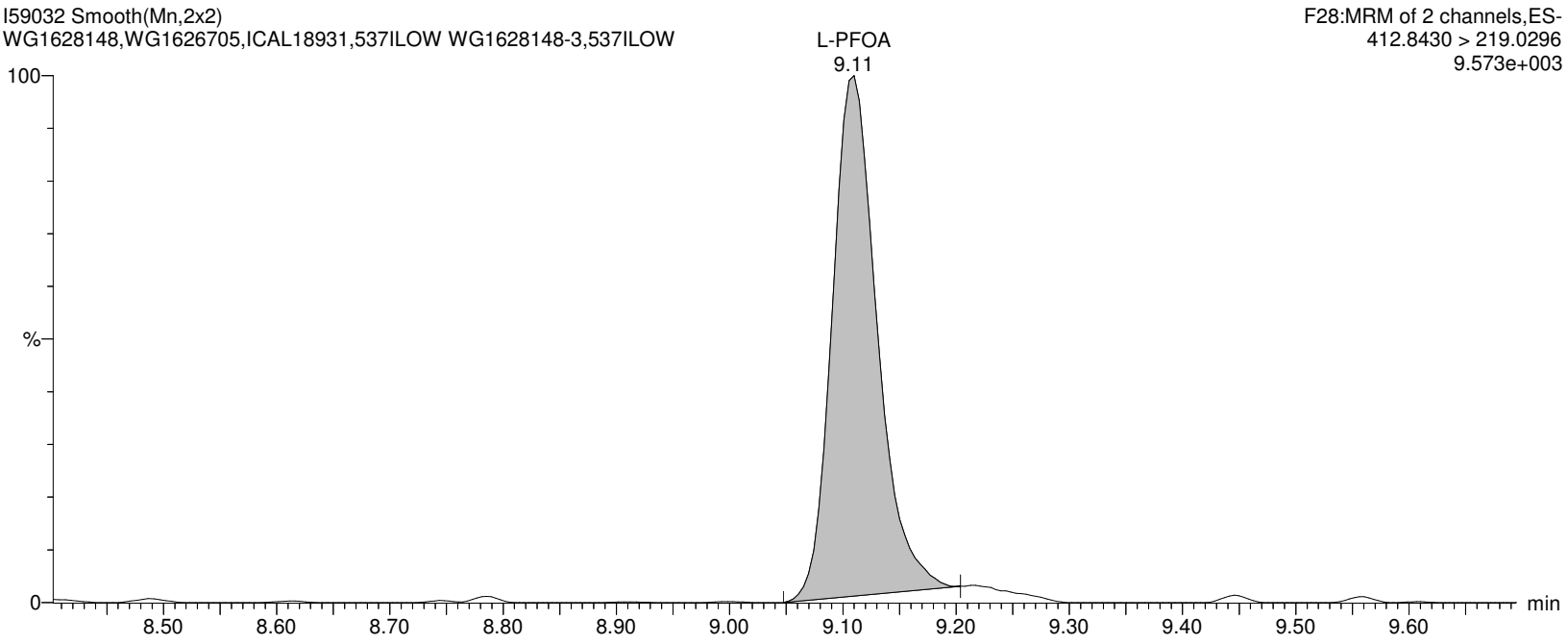
all concentration units in (ng/mL)

Alpha Analytical Inc.
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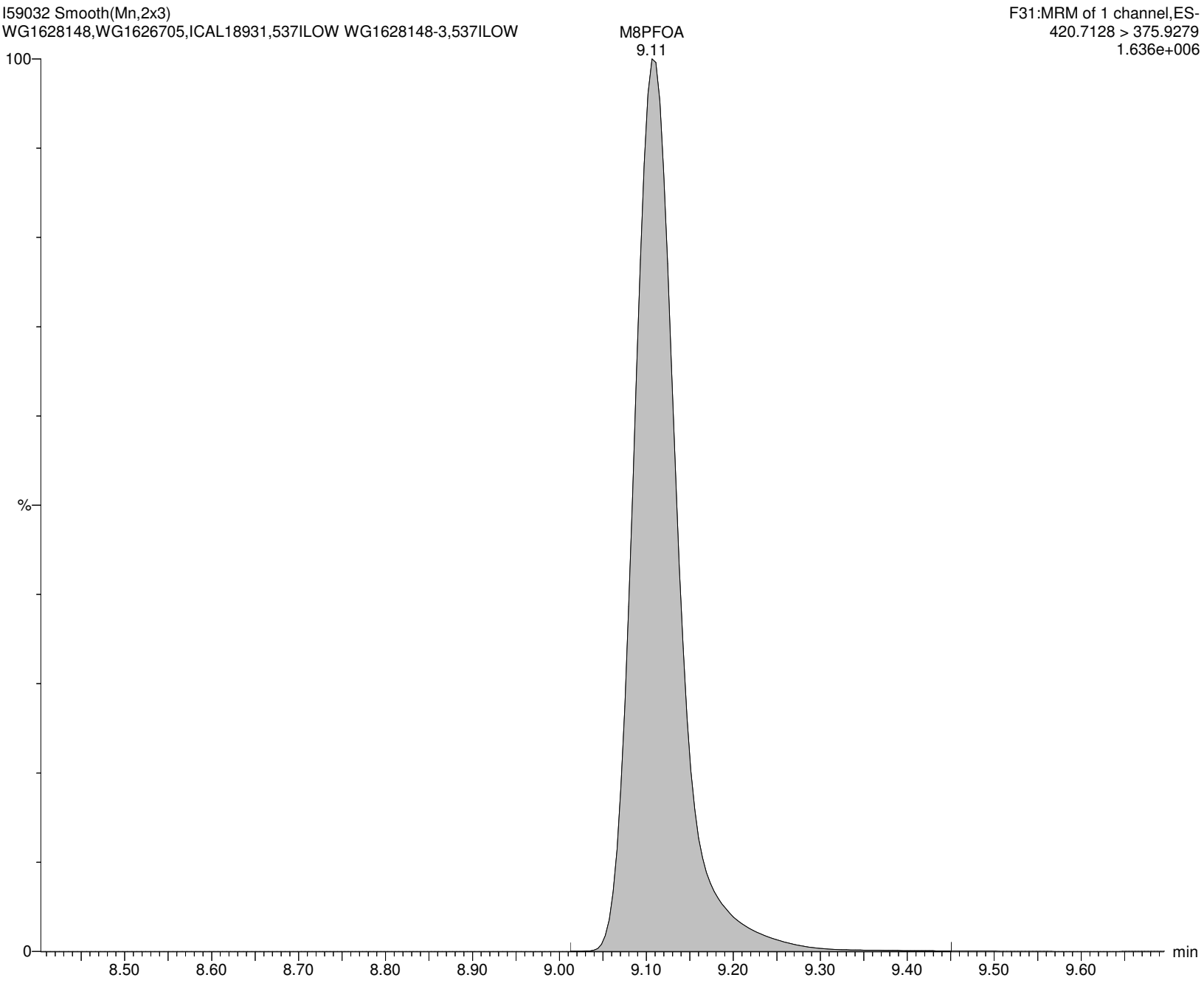


all concentration units in (ng/mL)

Alpha Analytical Inc.
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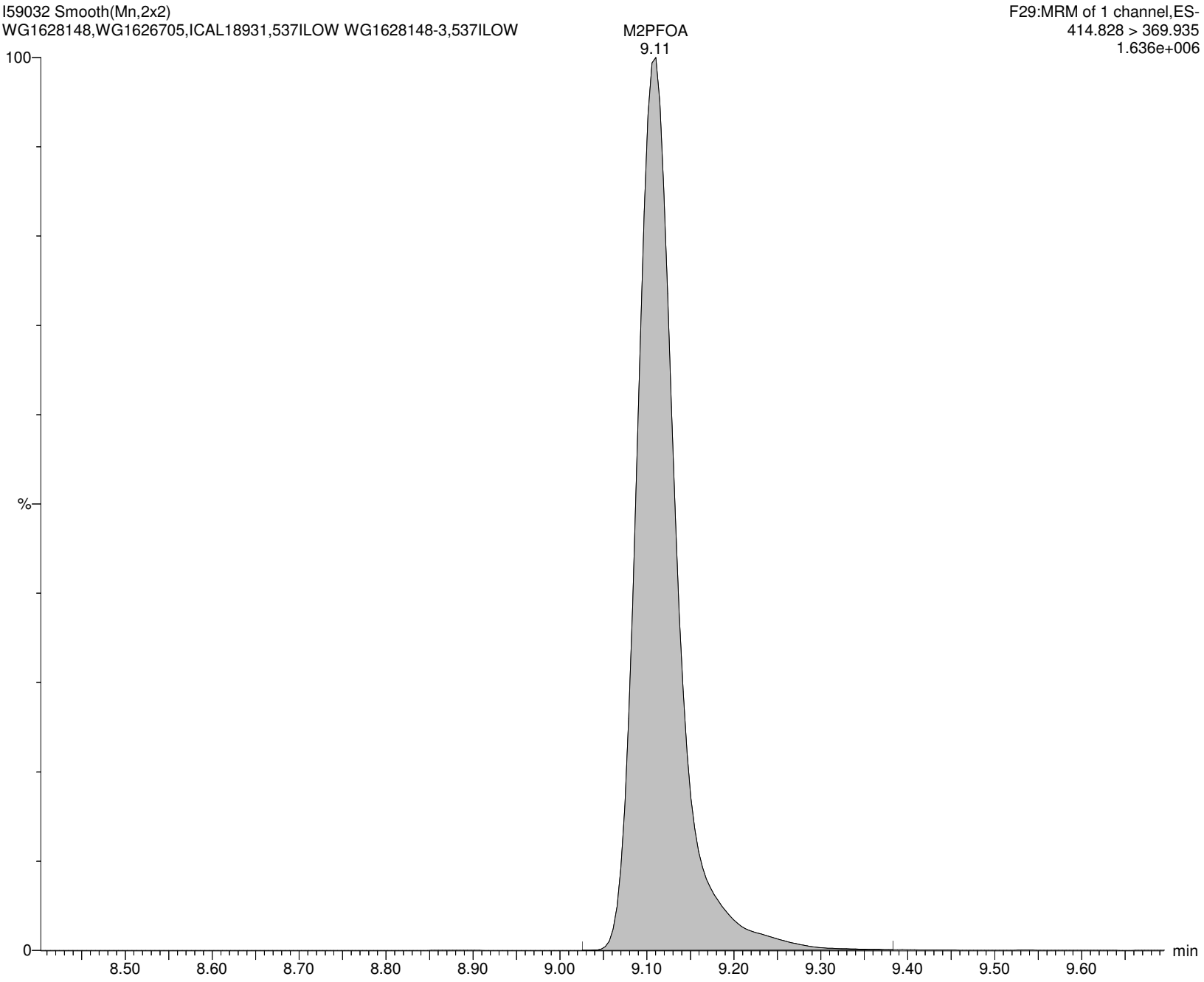


all concentration units in (ng/mL)

Alpha Analytical Inc.
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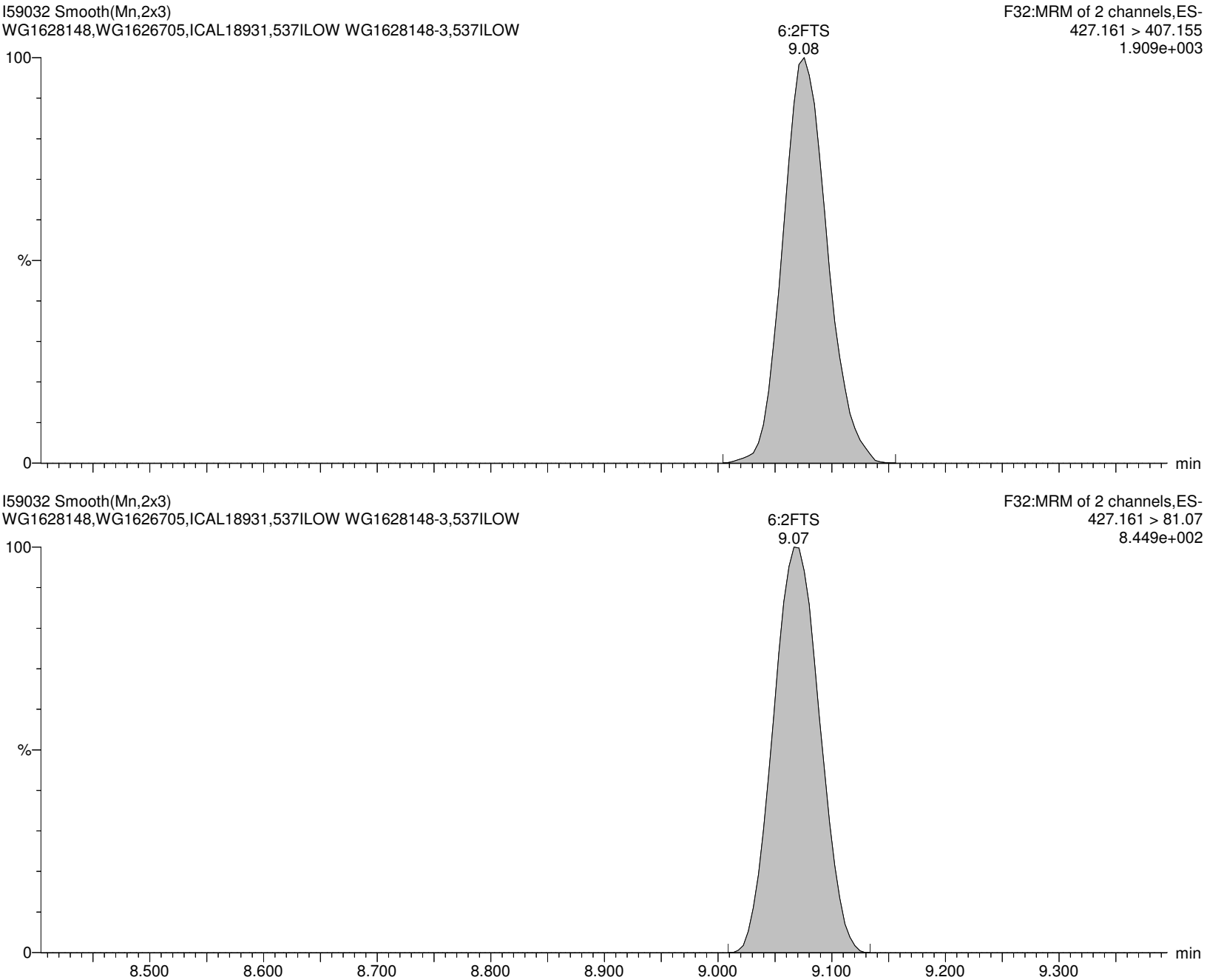


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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6:2FTS

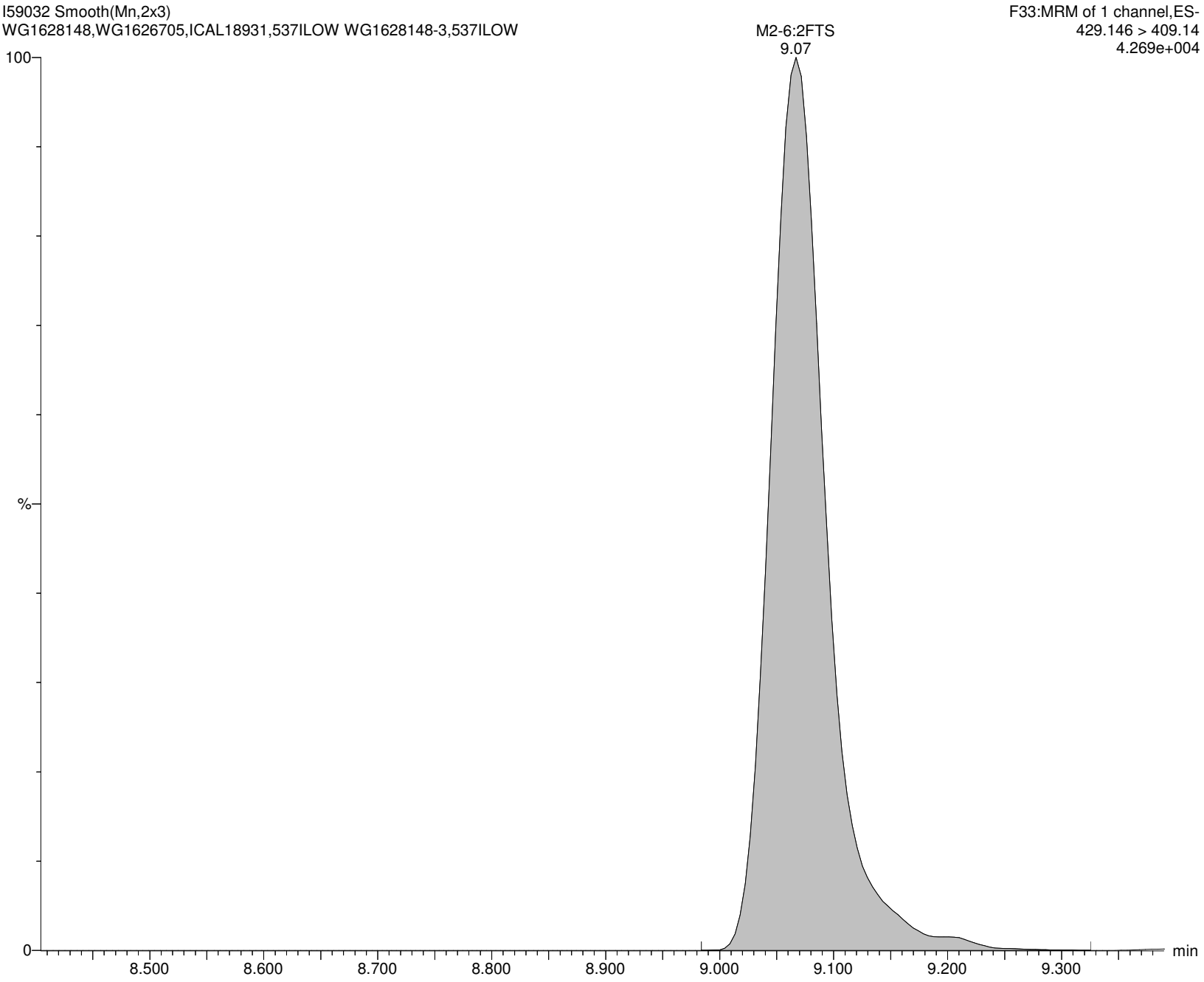


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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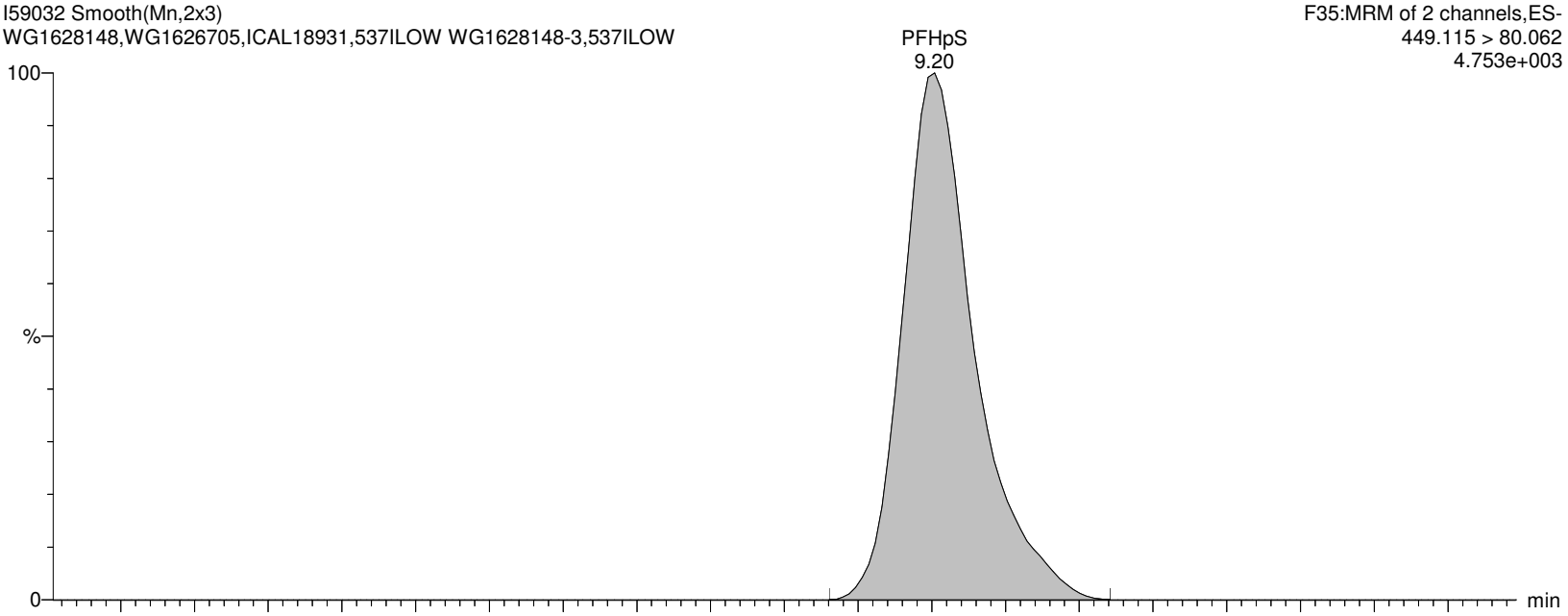


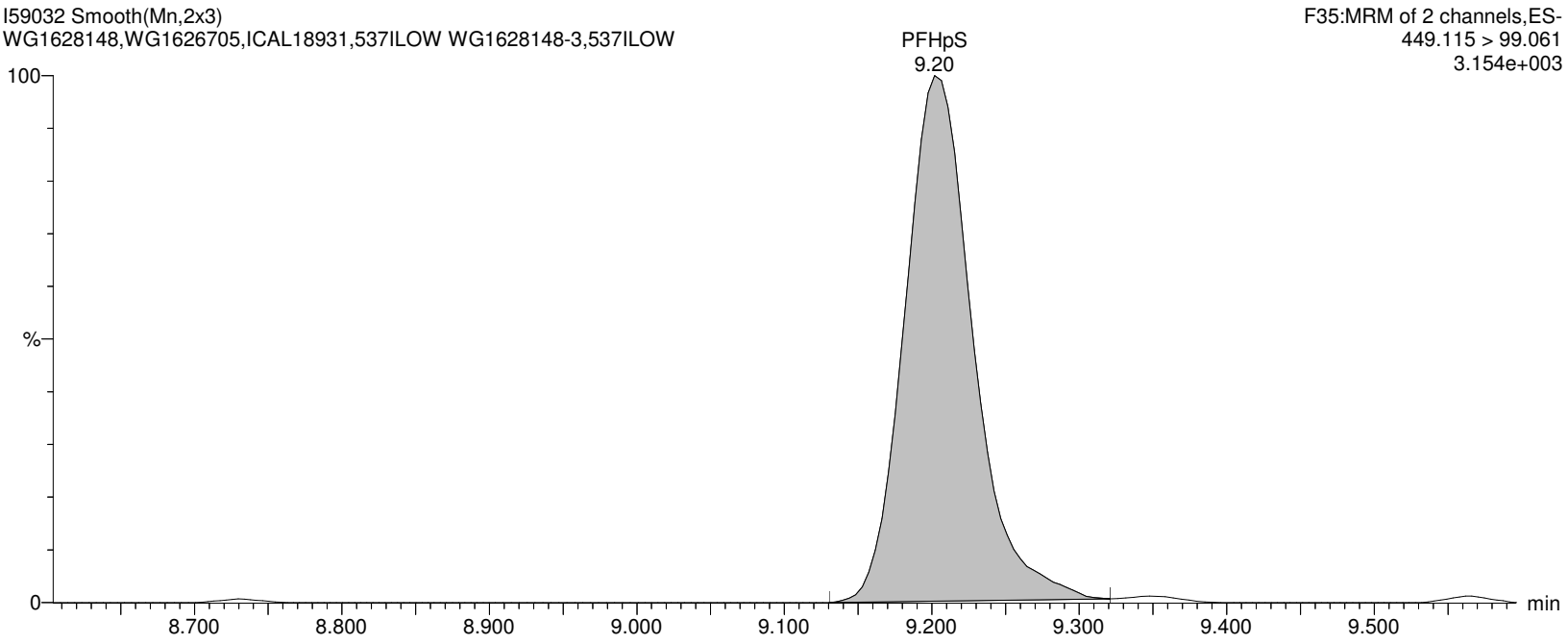
all concentration units in (ng/mL)

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PFHpS



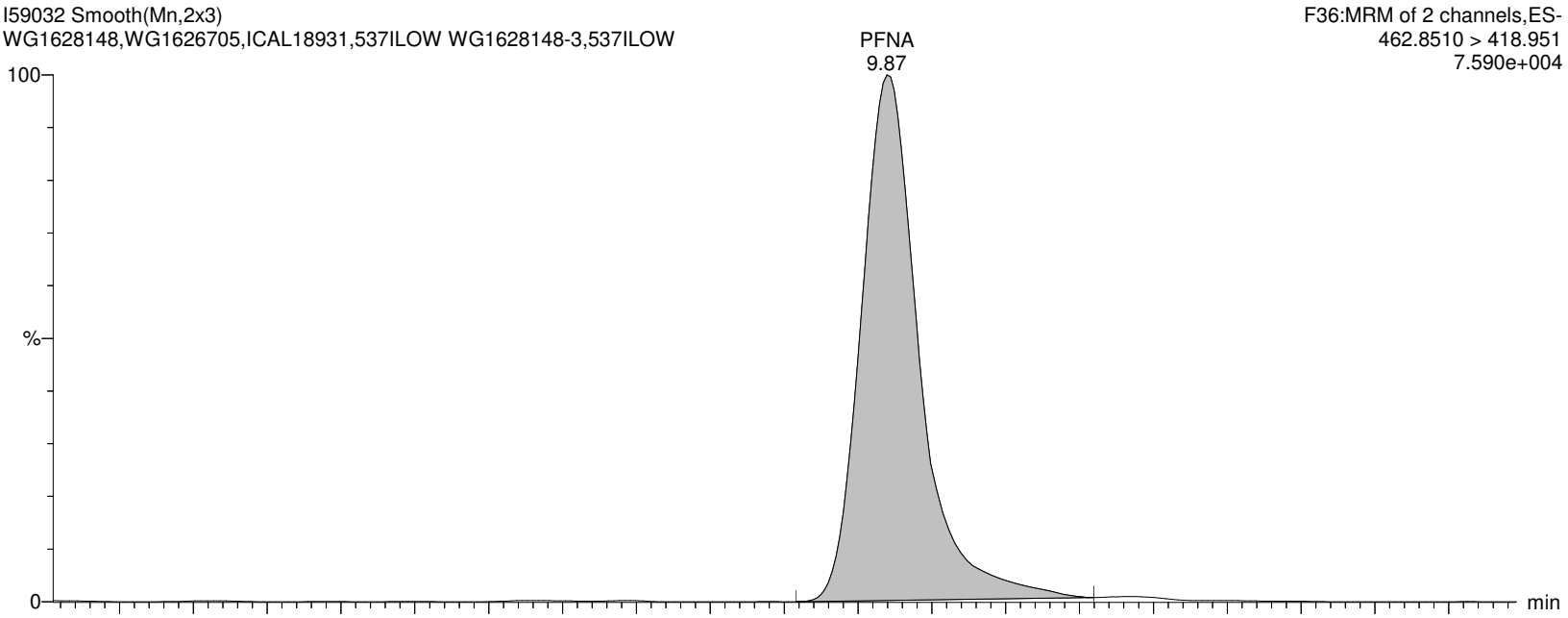


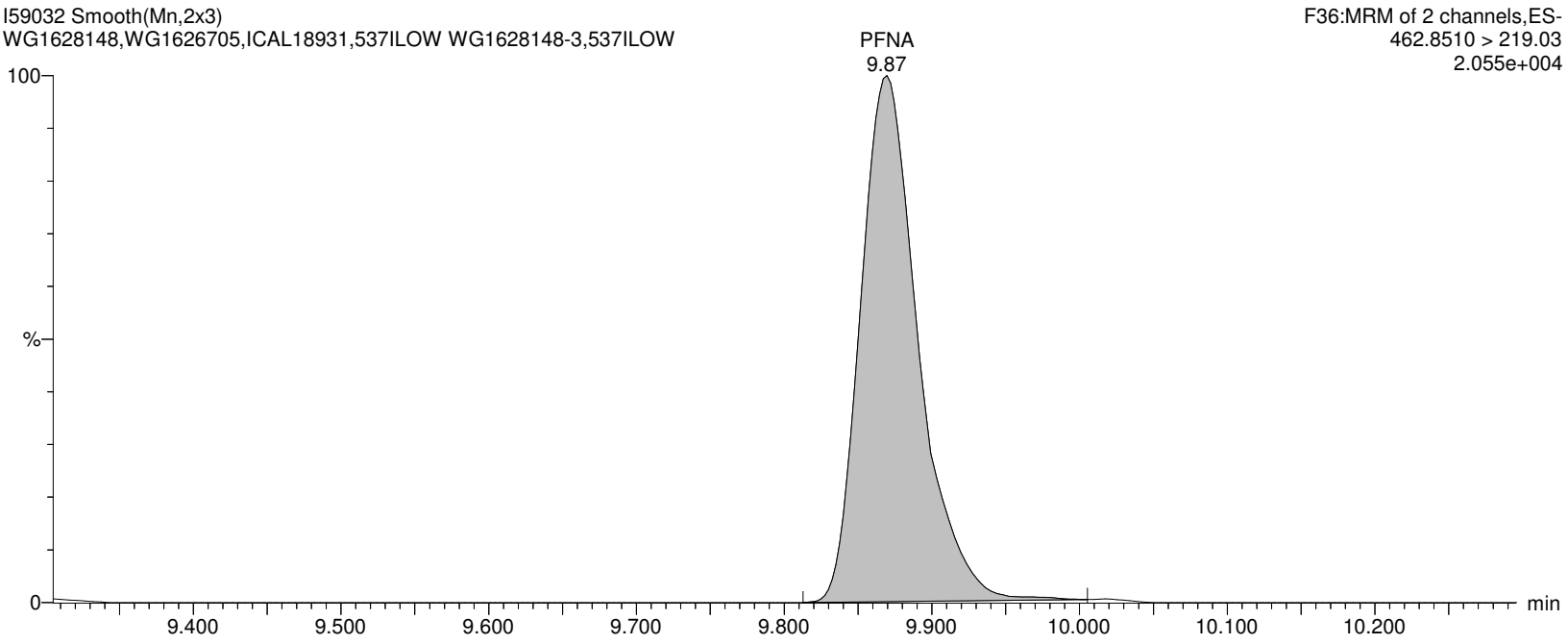
all concentration units in (ng/mL)

Alpha Analytical Inc.
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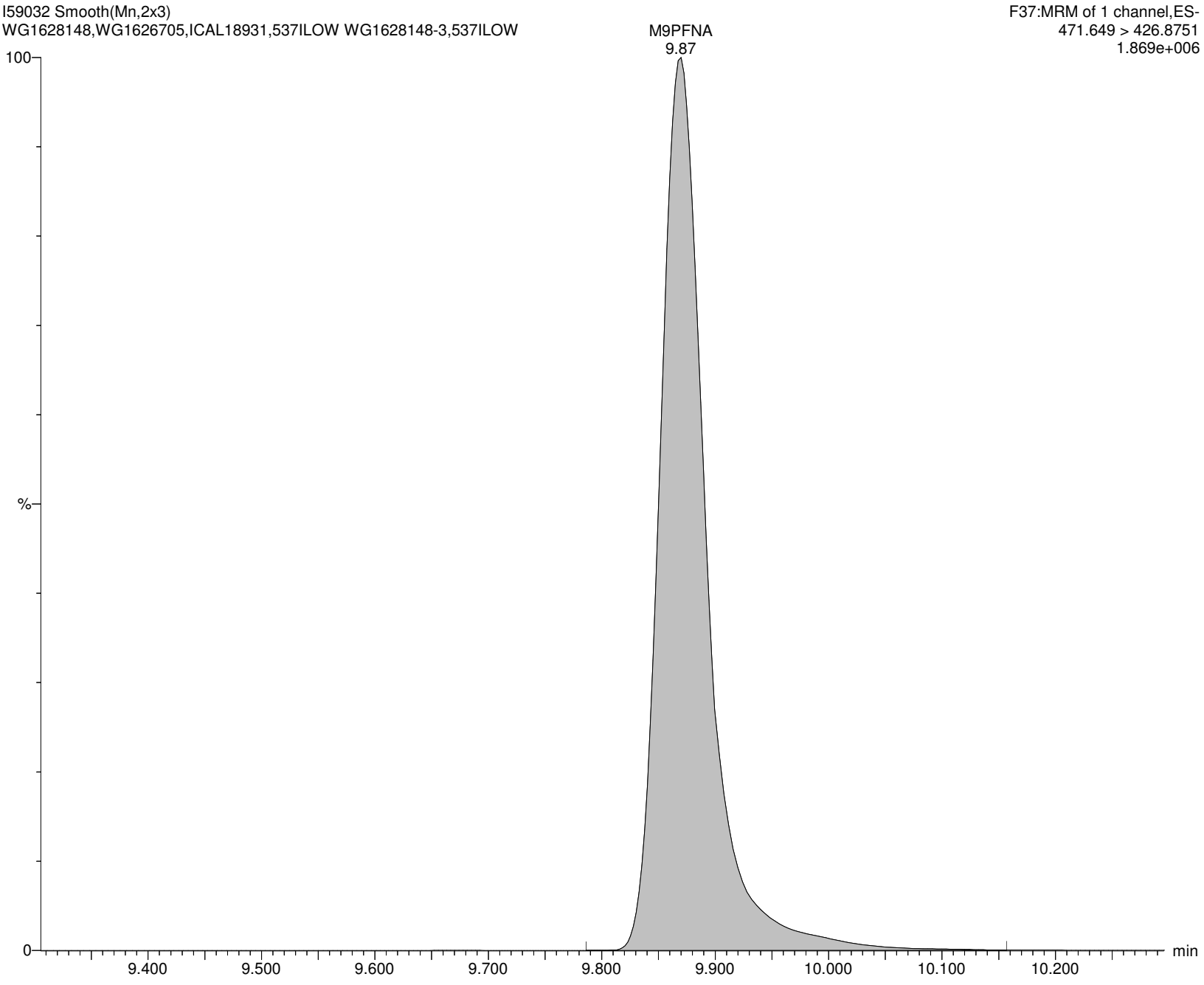


all concentration units in (ng/mL)

Alpha Analytical Inc.
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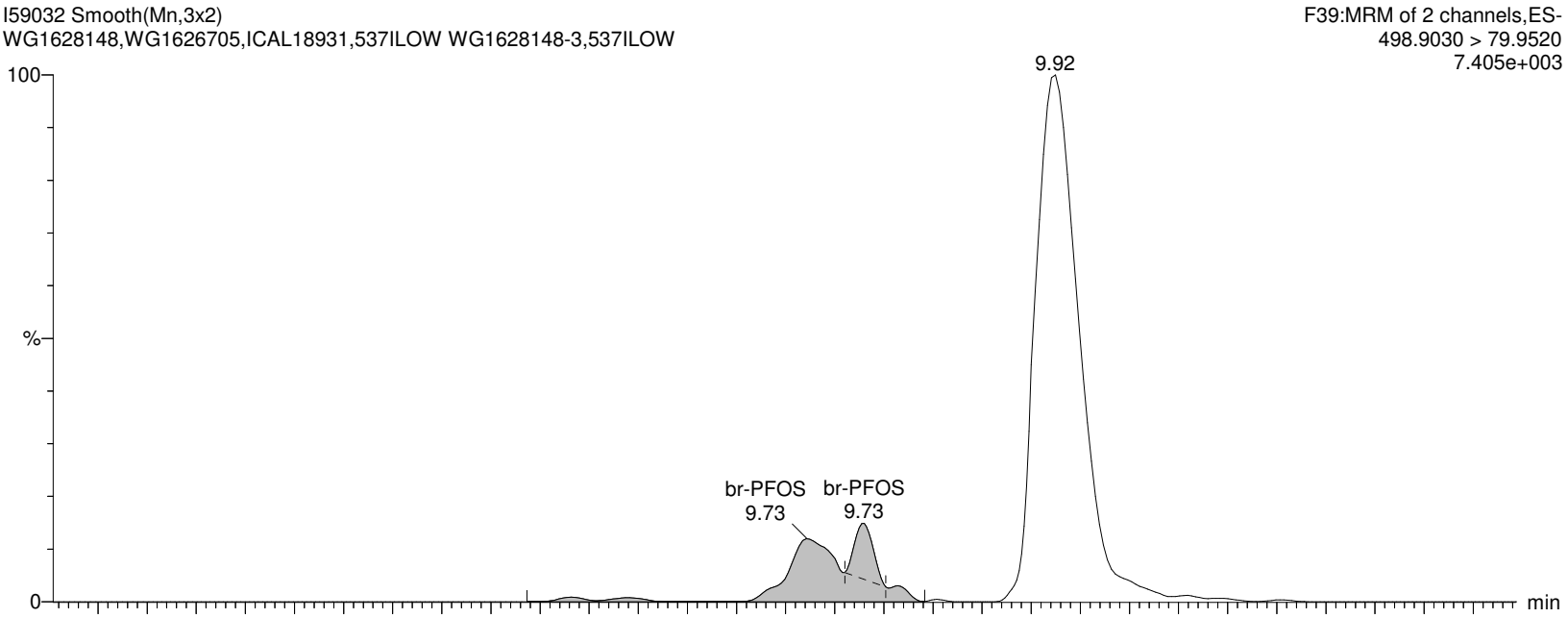


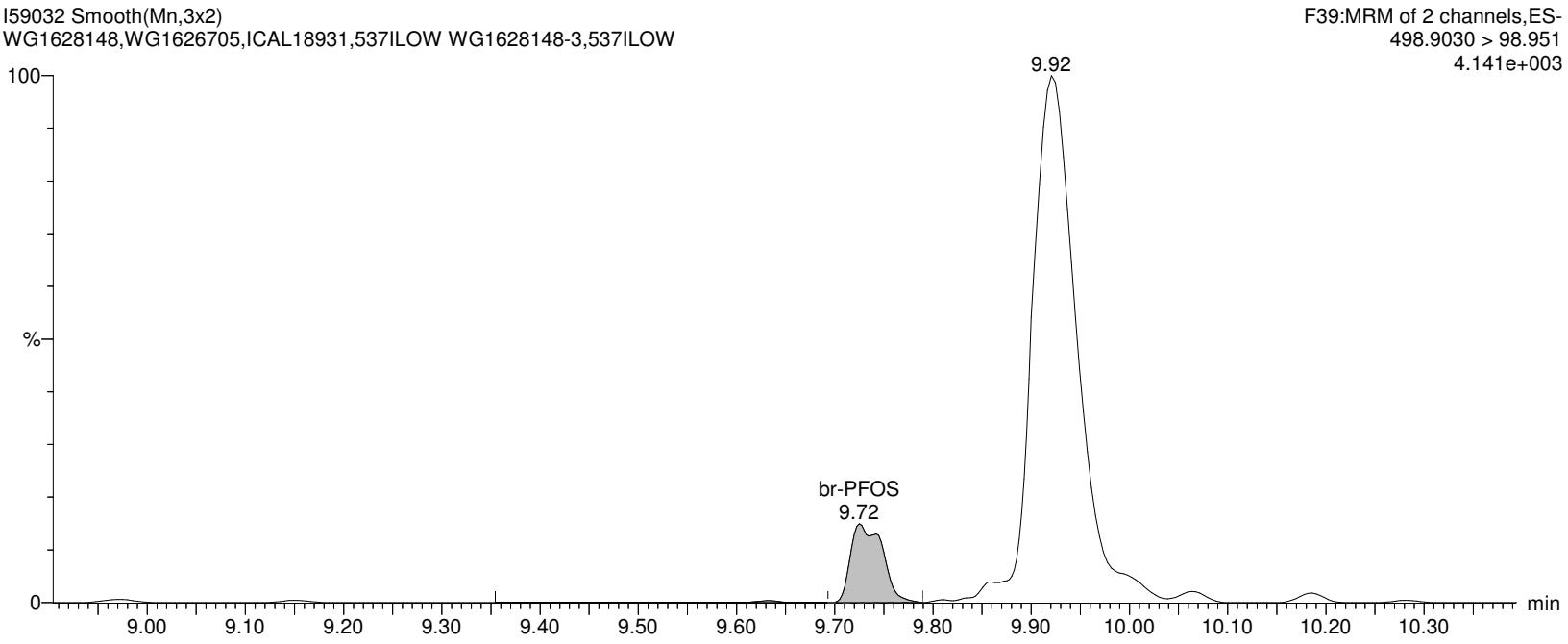
all concentration units in (ng/mL)

Alpha Analytical Inc.
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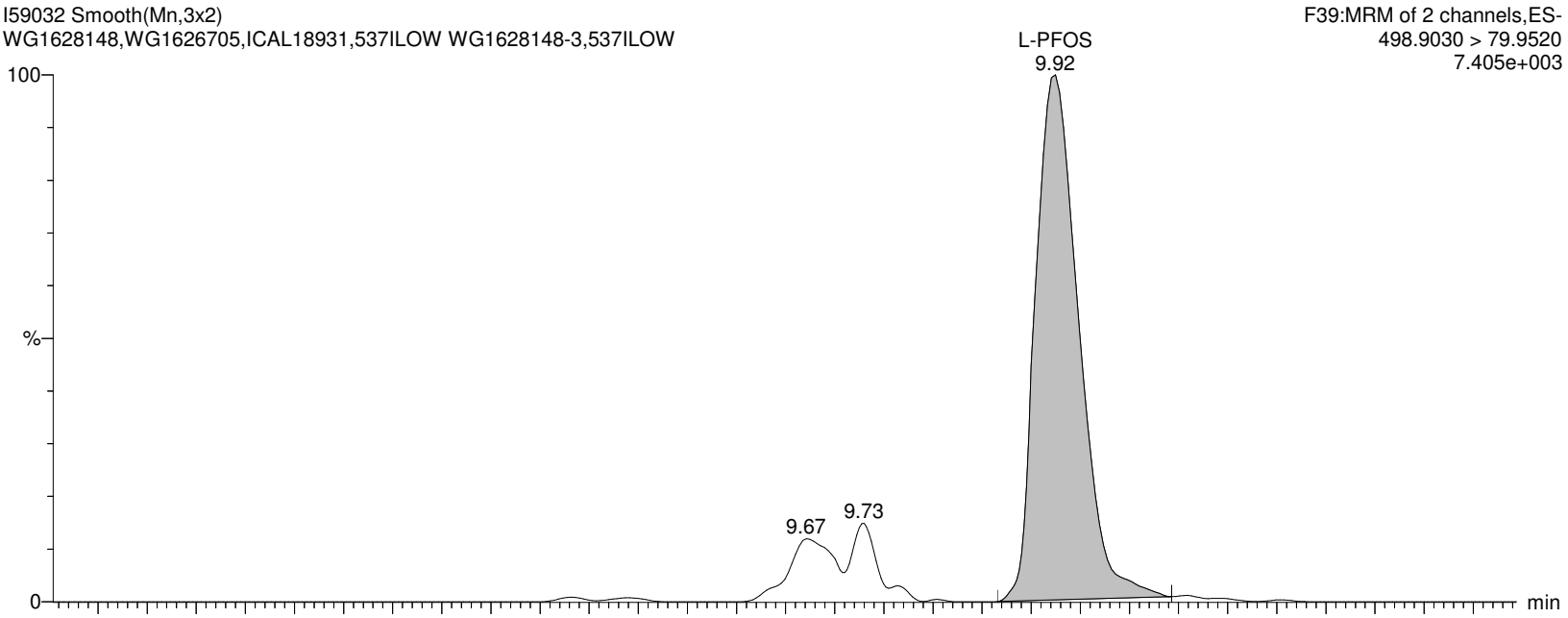


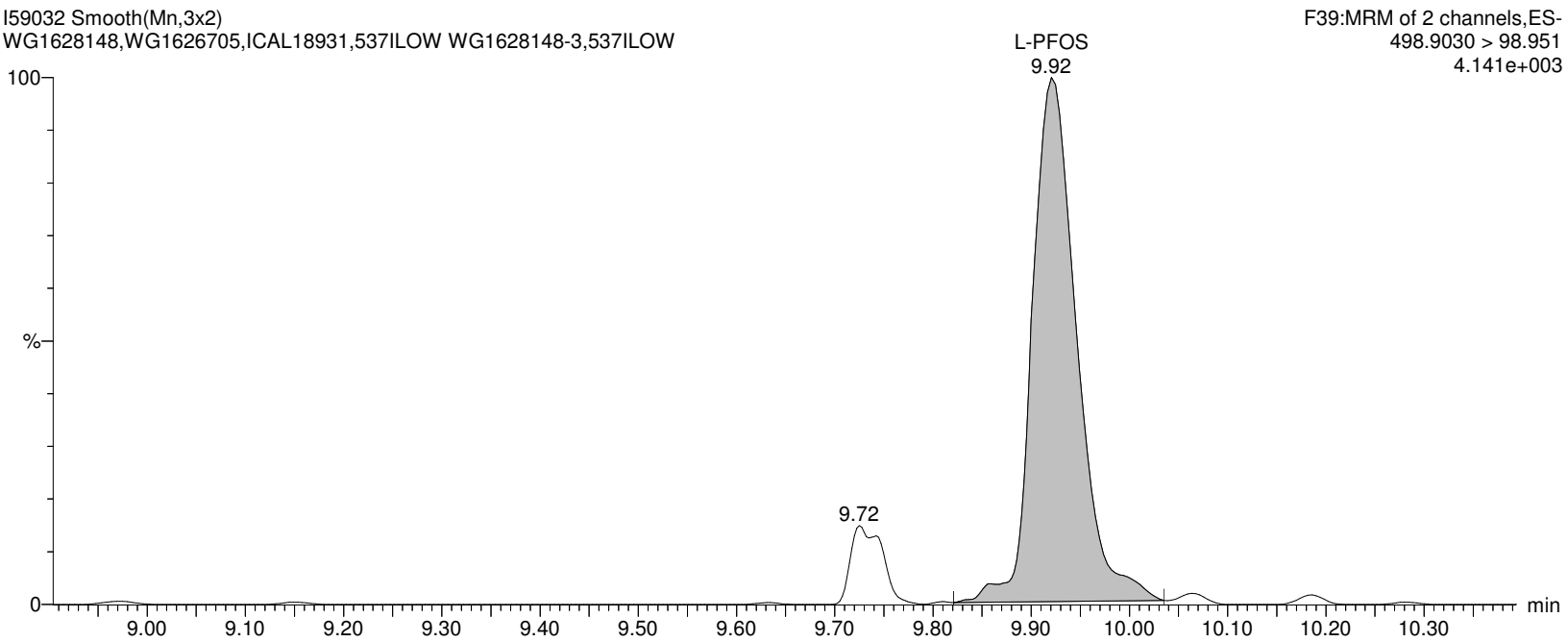
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L-PFOS



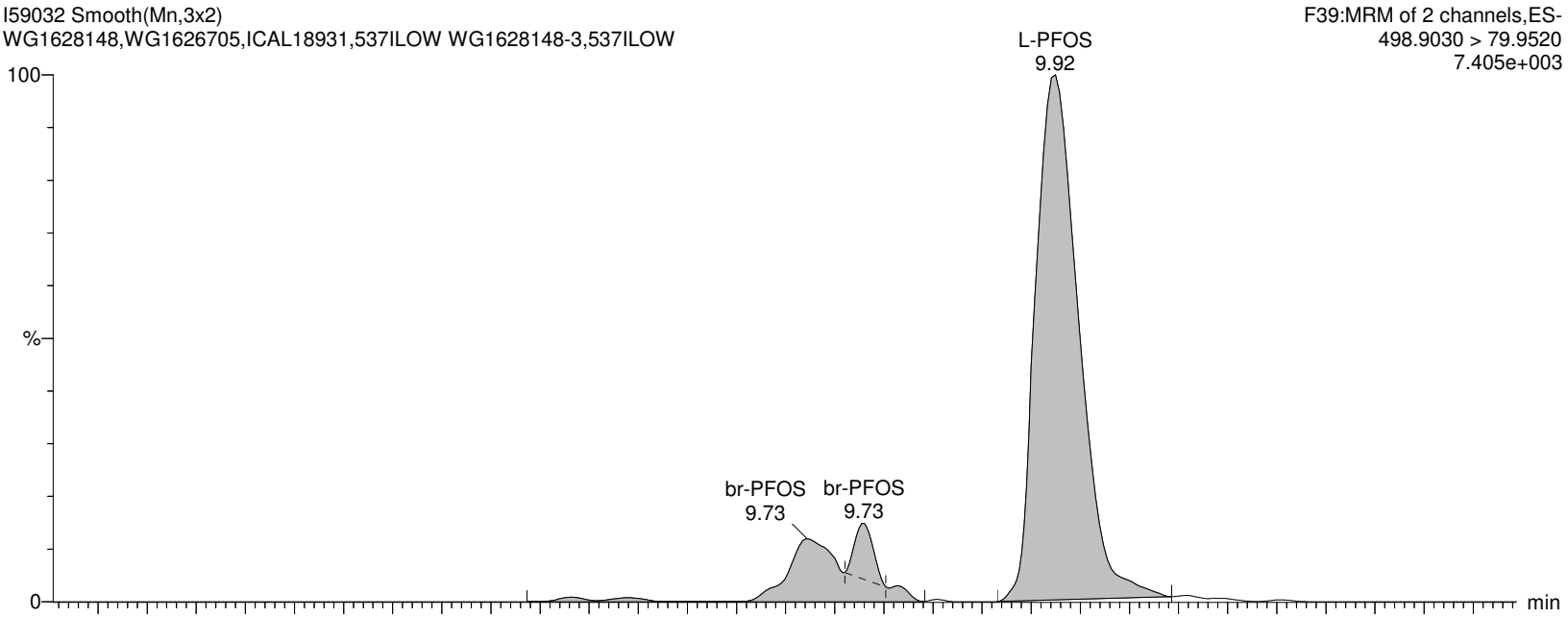


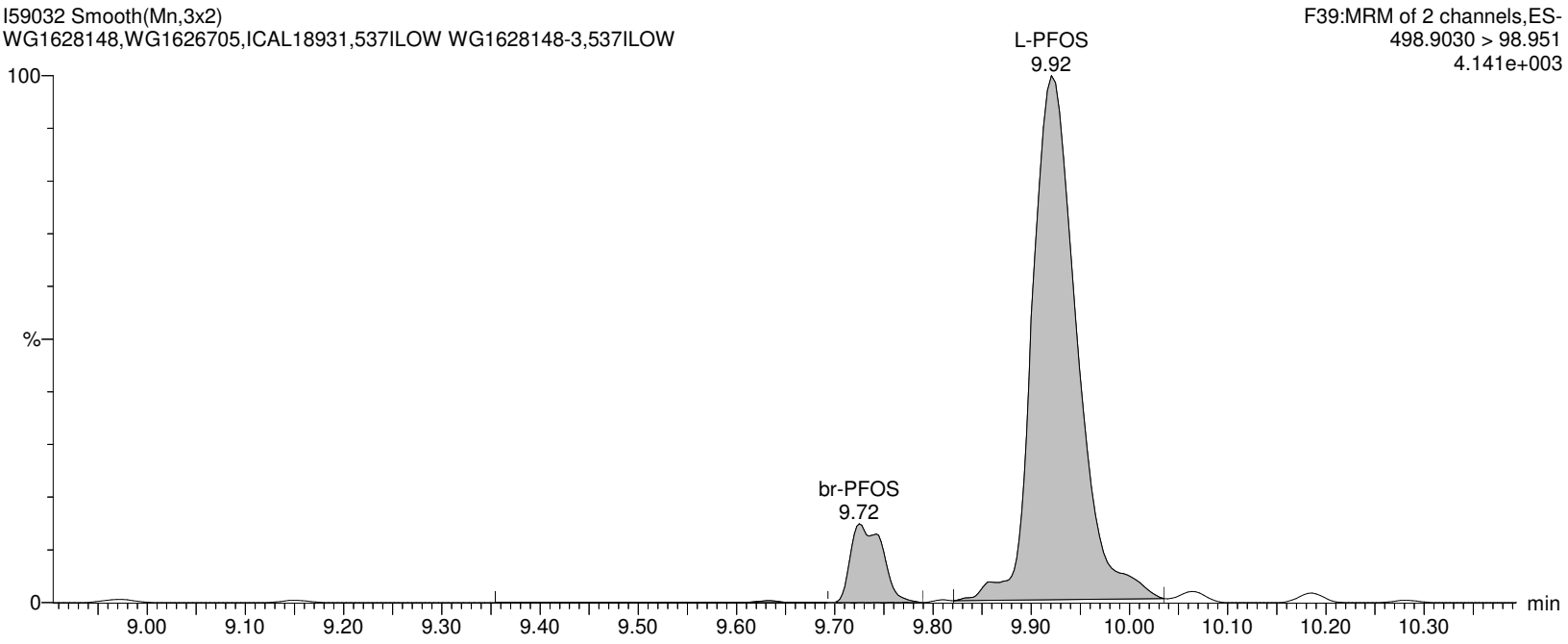
all concentration units in (ng/mL)

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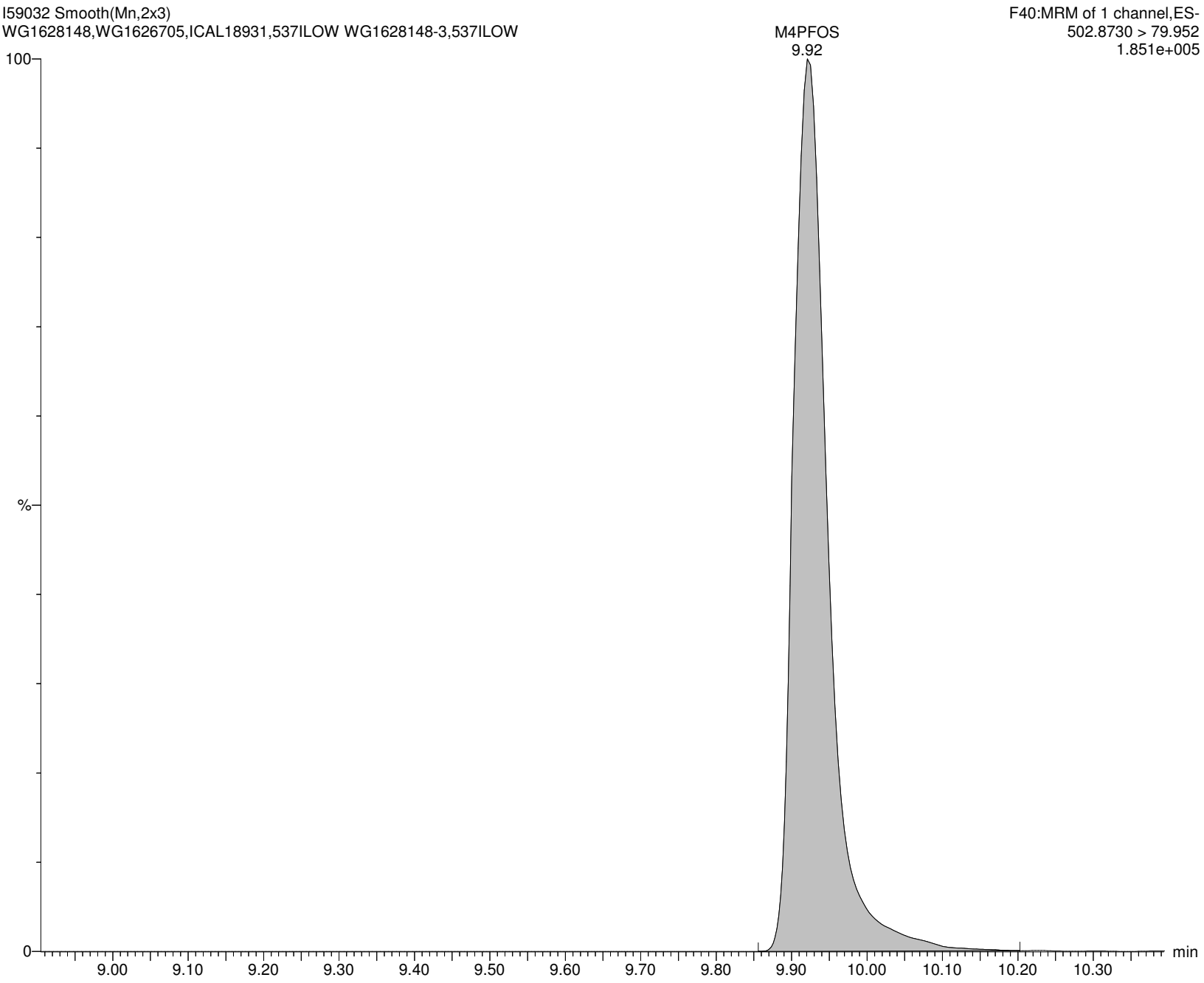


all concentration units in (ng/mL)

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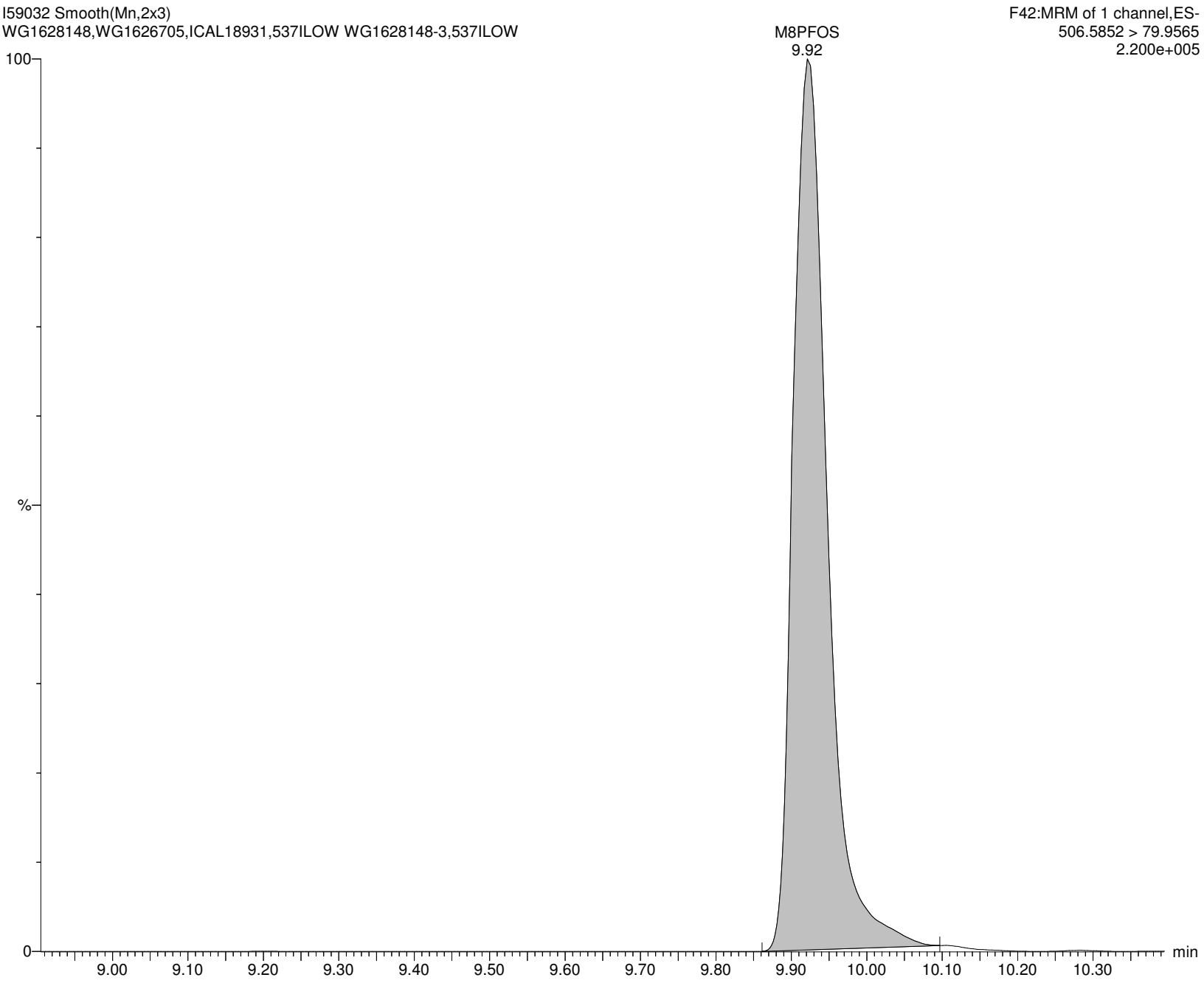


all concentration units in (ng/mL)

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ID: WG1628148-3,537ILOW
Date: 18-Apr-2022
Time: 02:07:37
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User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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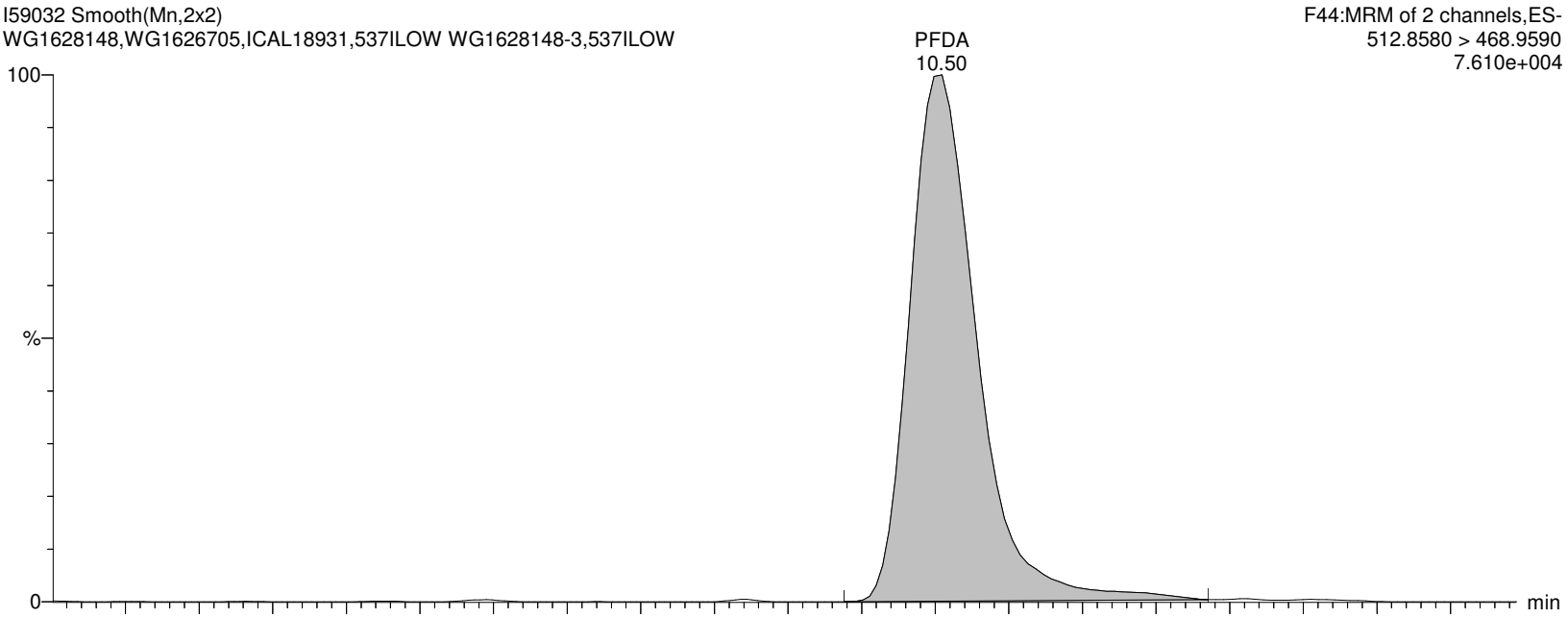


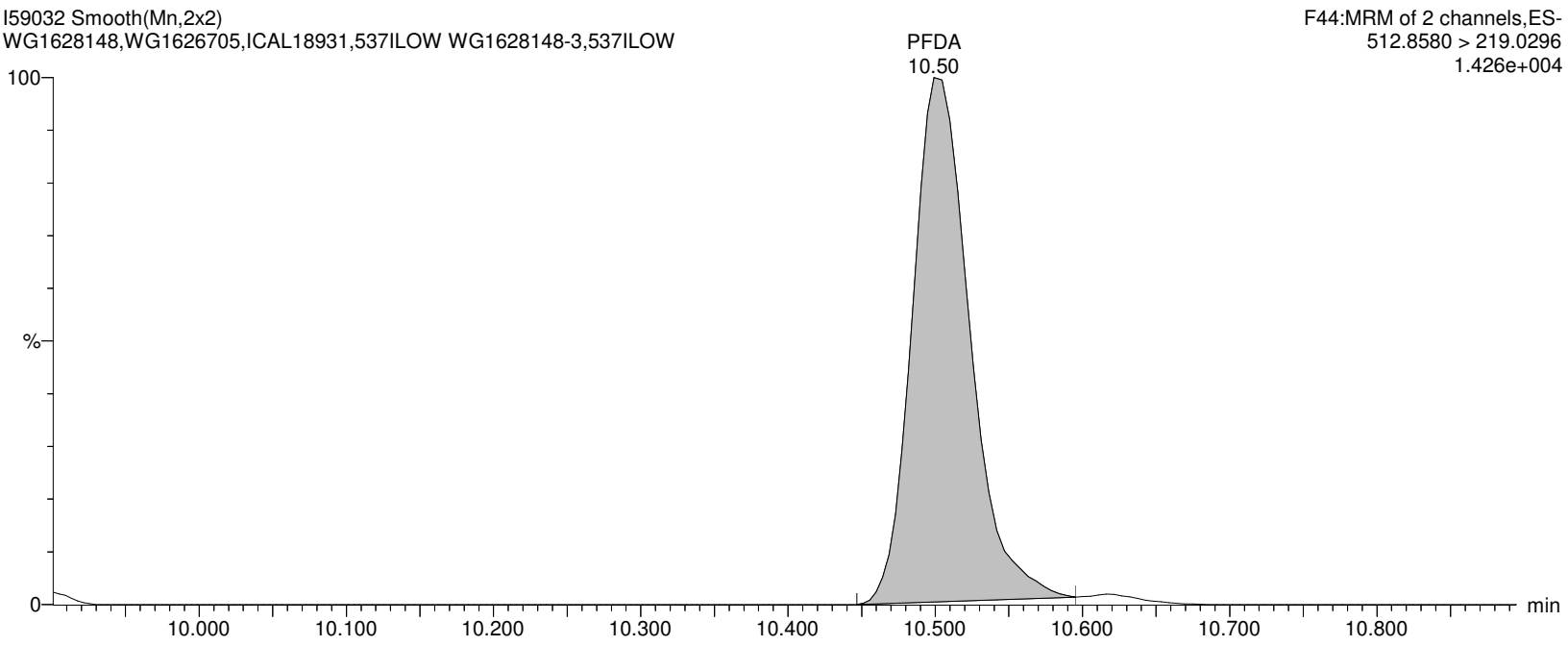
all concentration units in (ng/mL)

Alpha Analytical Inc.
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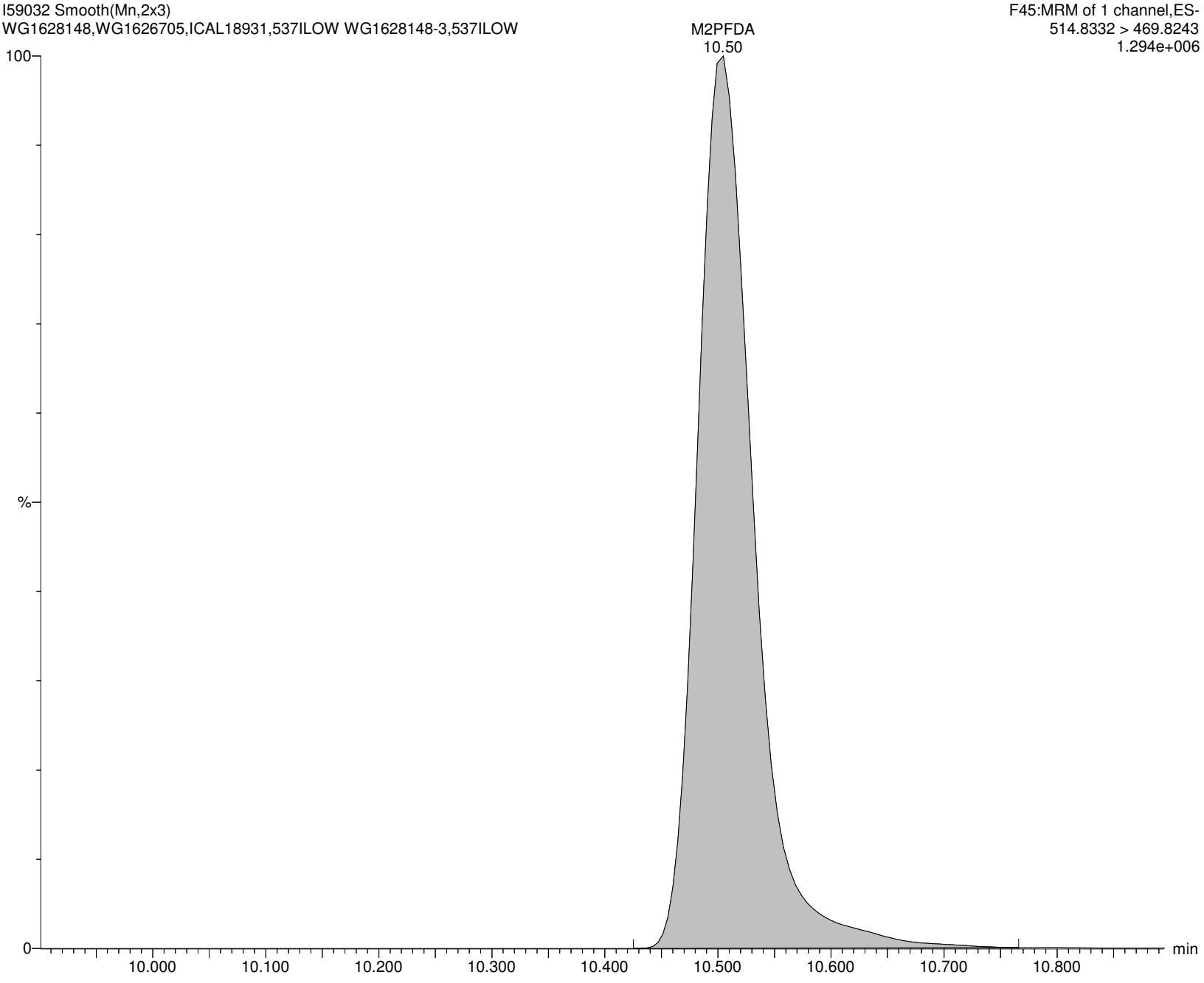


all concentration units in (ng/mL)

Alpha Analytical Inc.
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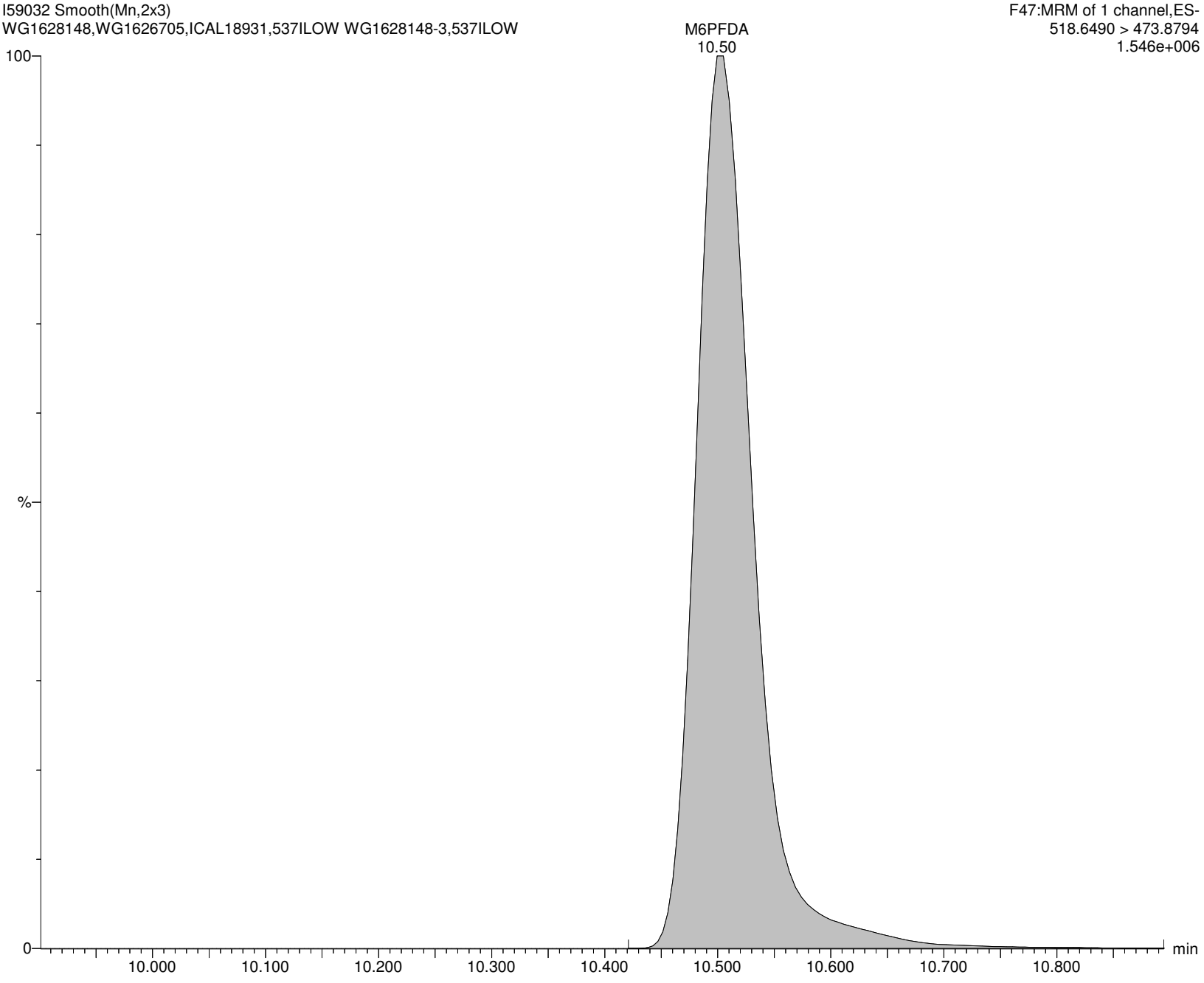


all concentration units in (ng/mL)

Alpha Analytical Inc.
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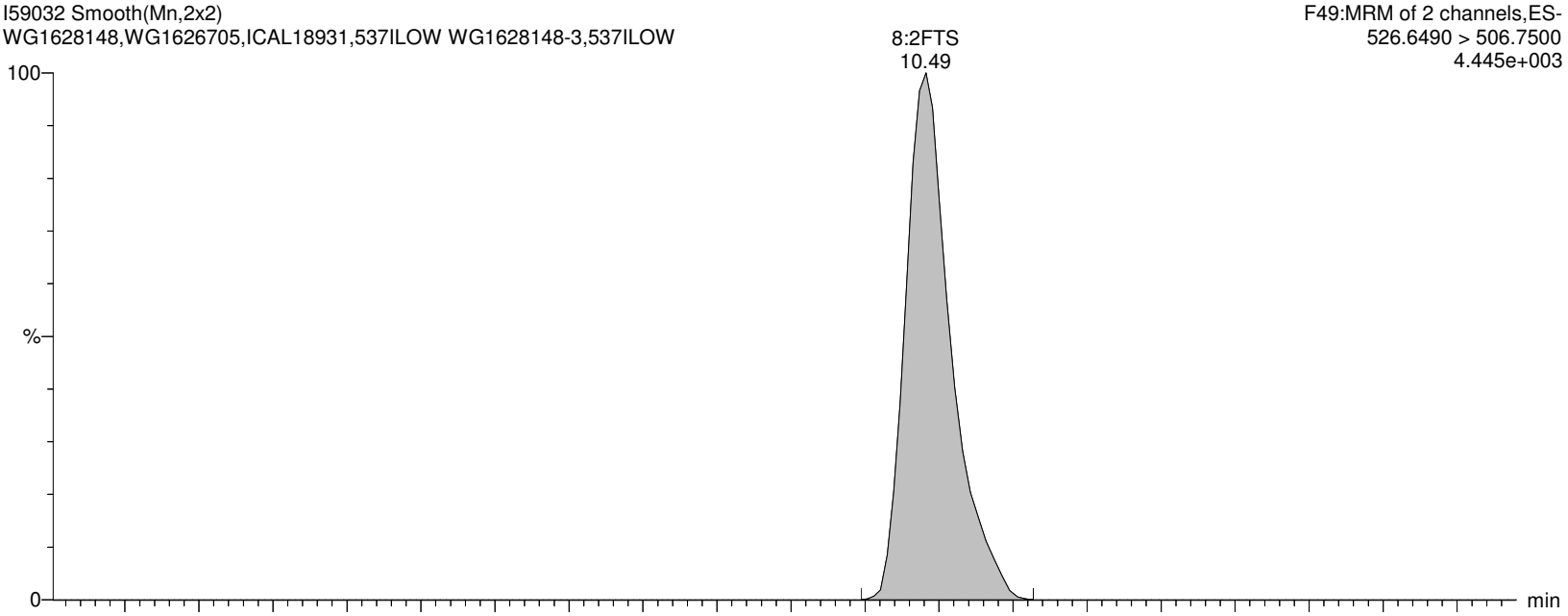


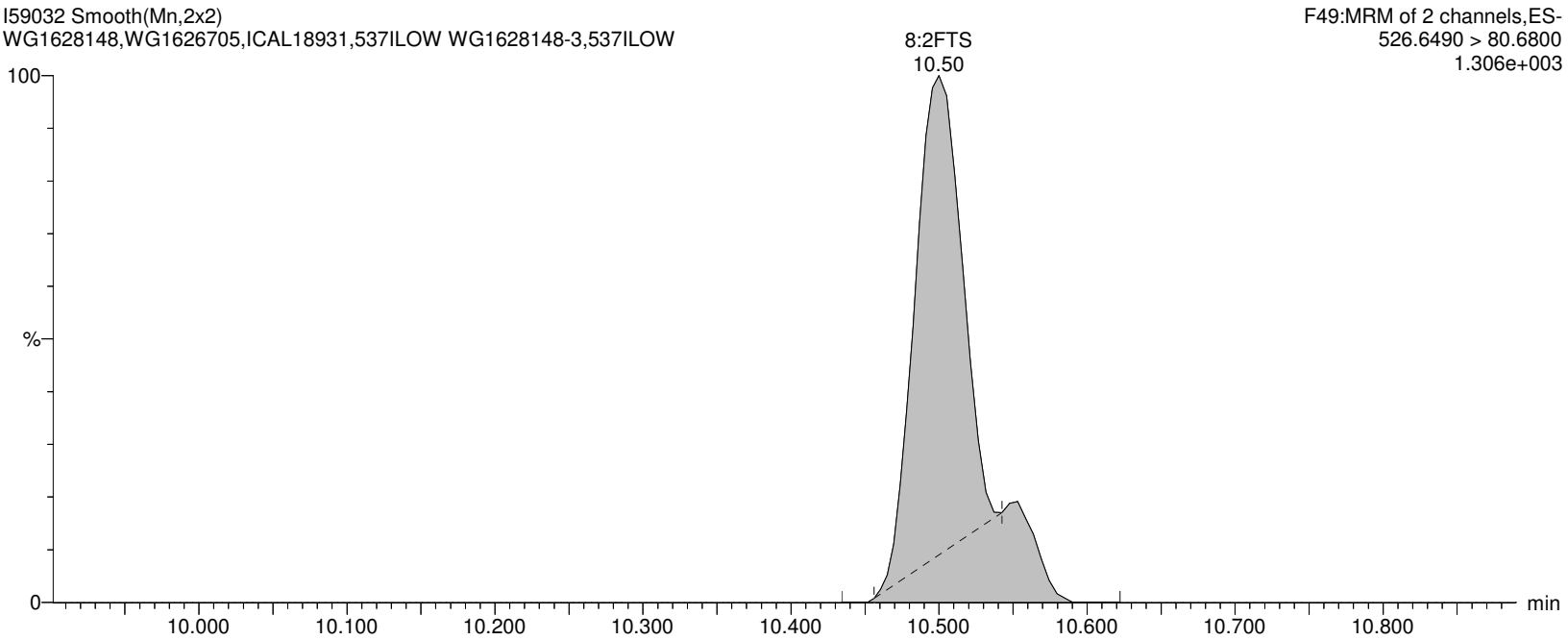
all concentration units in (ng/mL)

Alpha Analytical Inc.
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8:2FTS



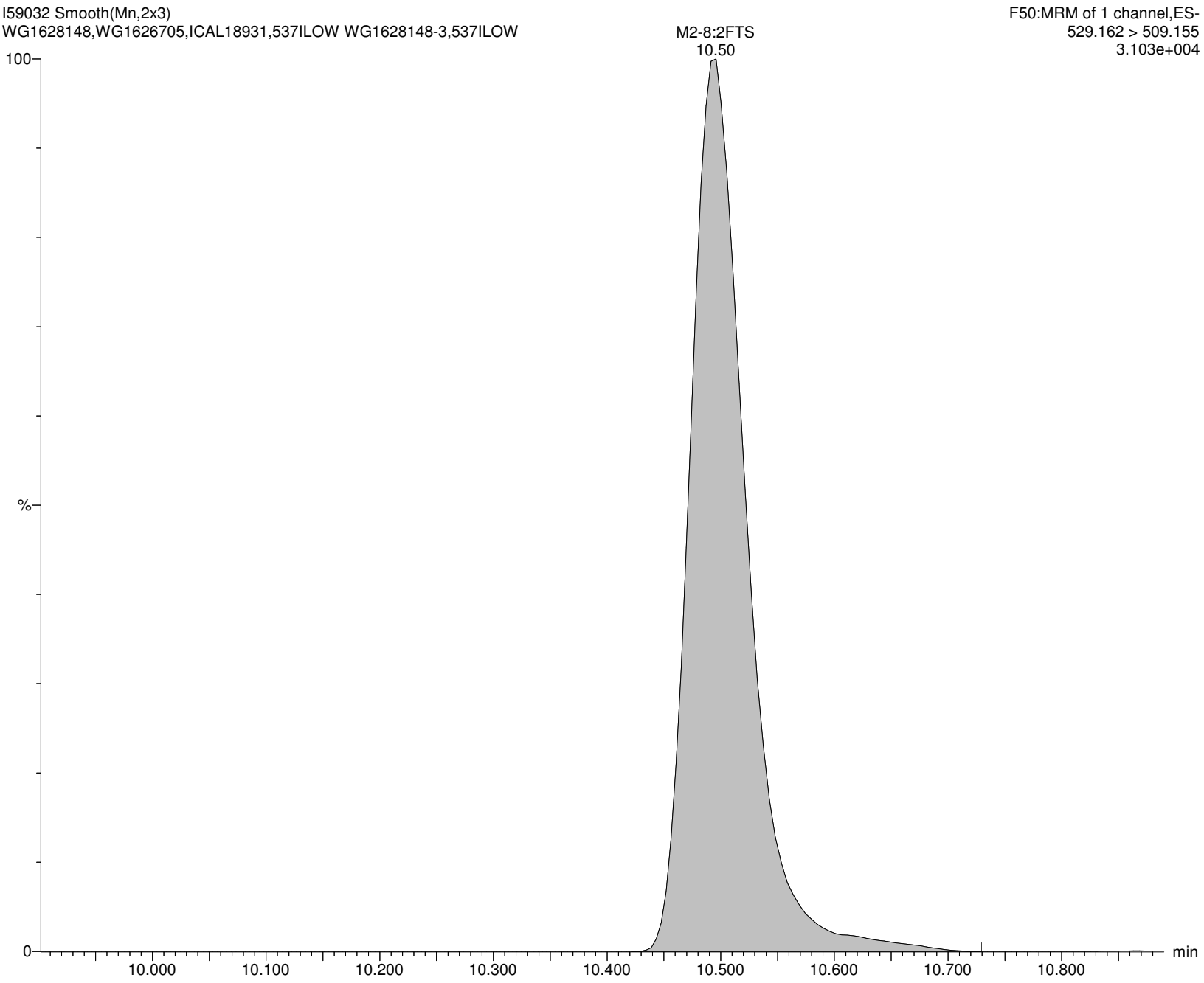


all concentration units in (ng/mL)

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M2-8:2FTS

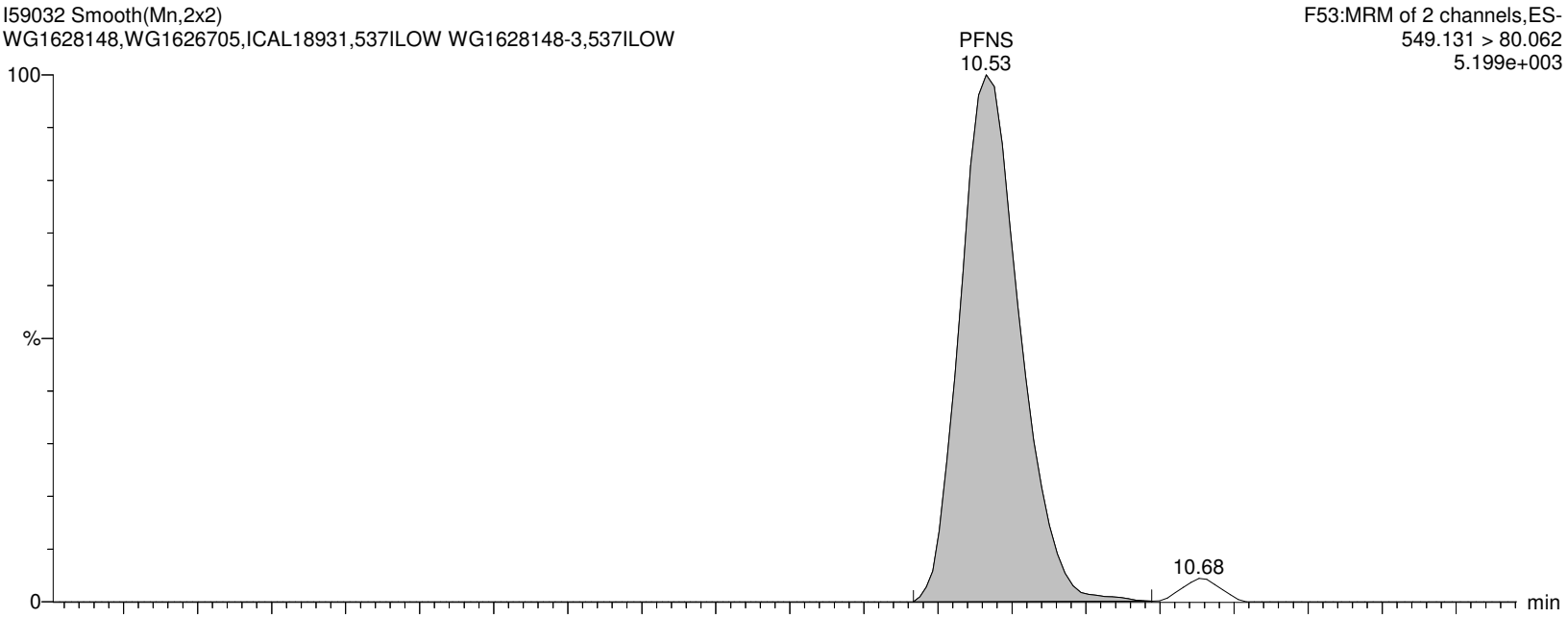


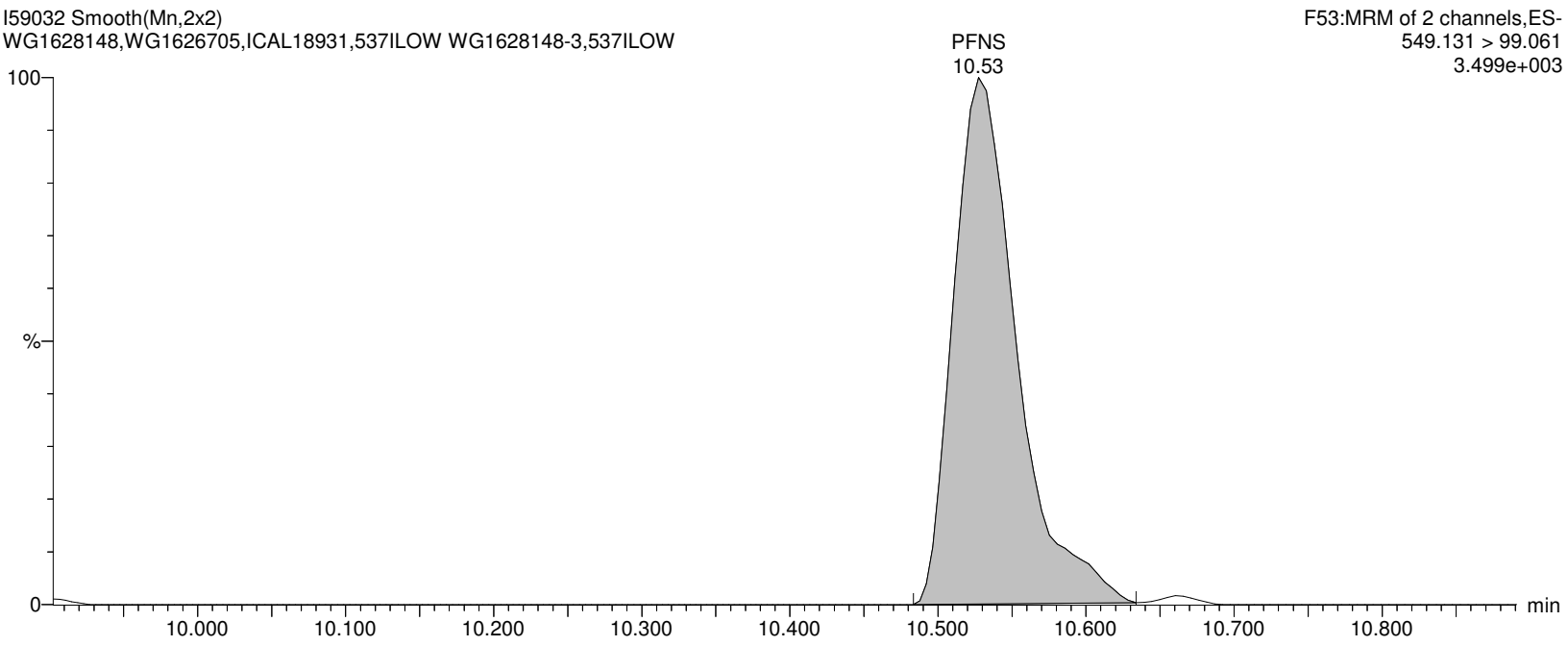
all concentration units in (ng/mL)

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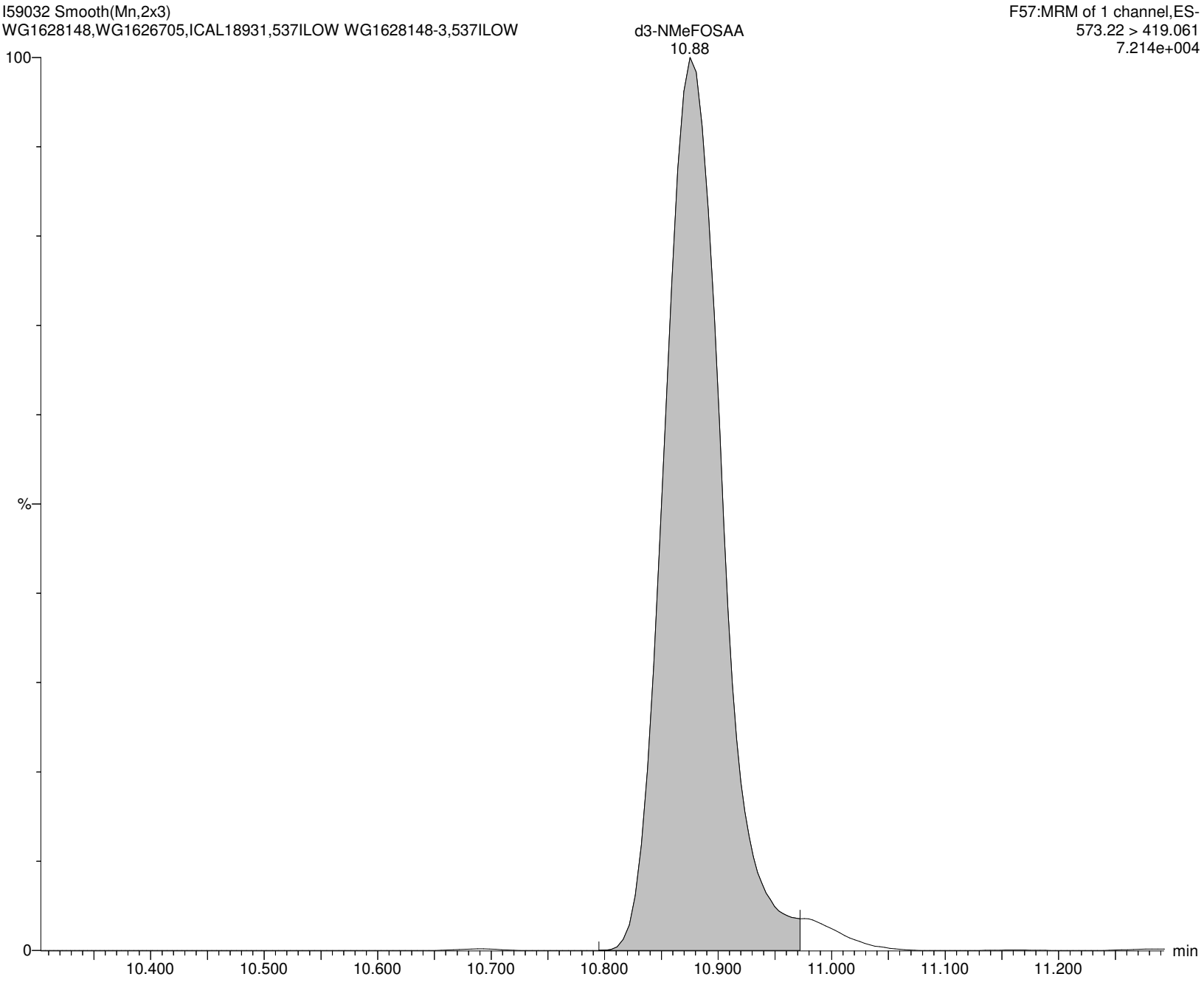


all concentration units in (ng/mL)

Alpha Analytical Inc.
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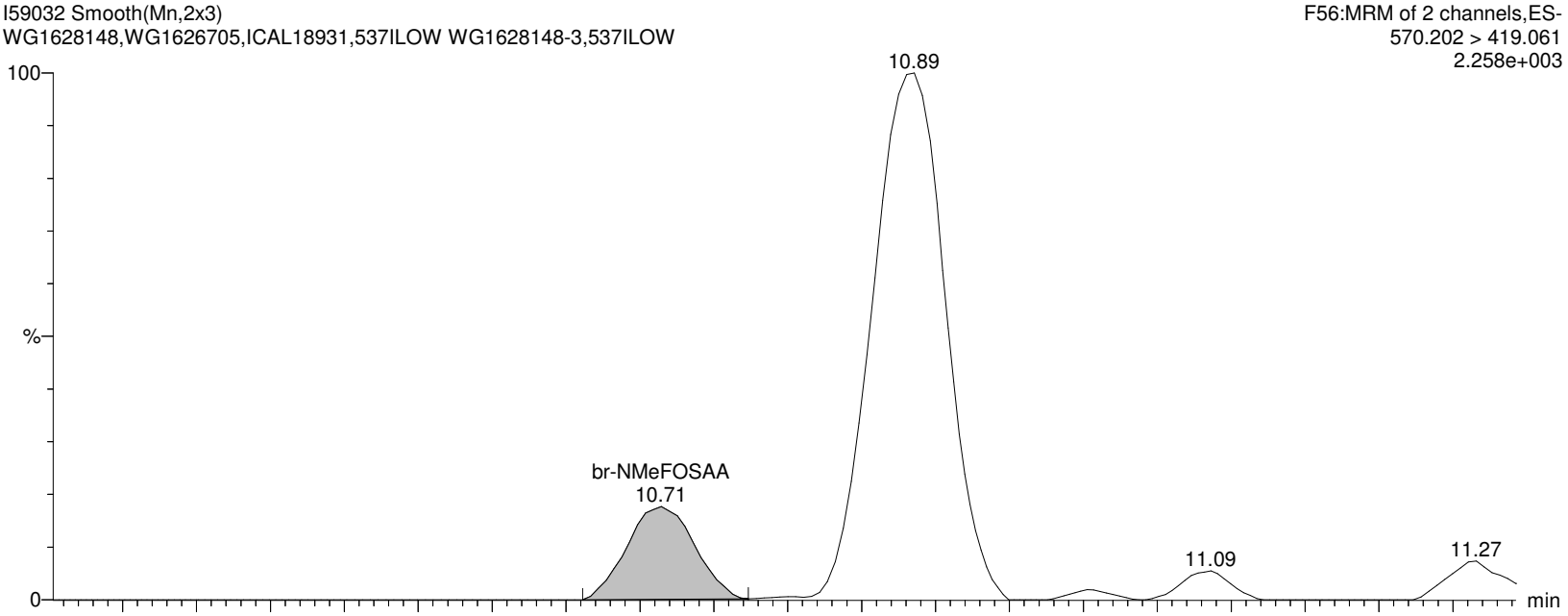


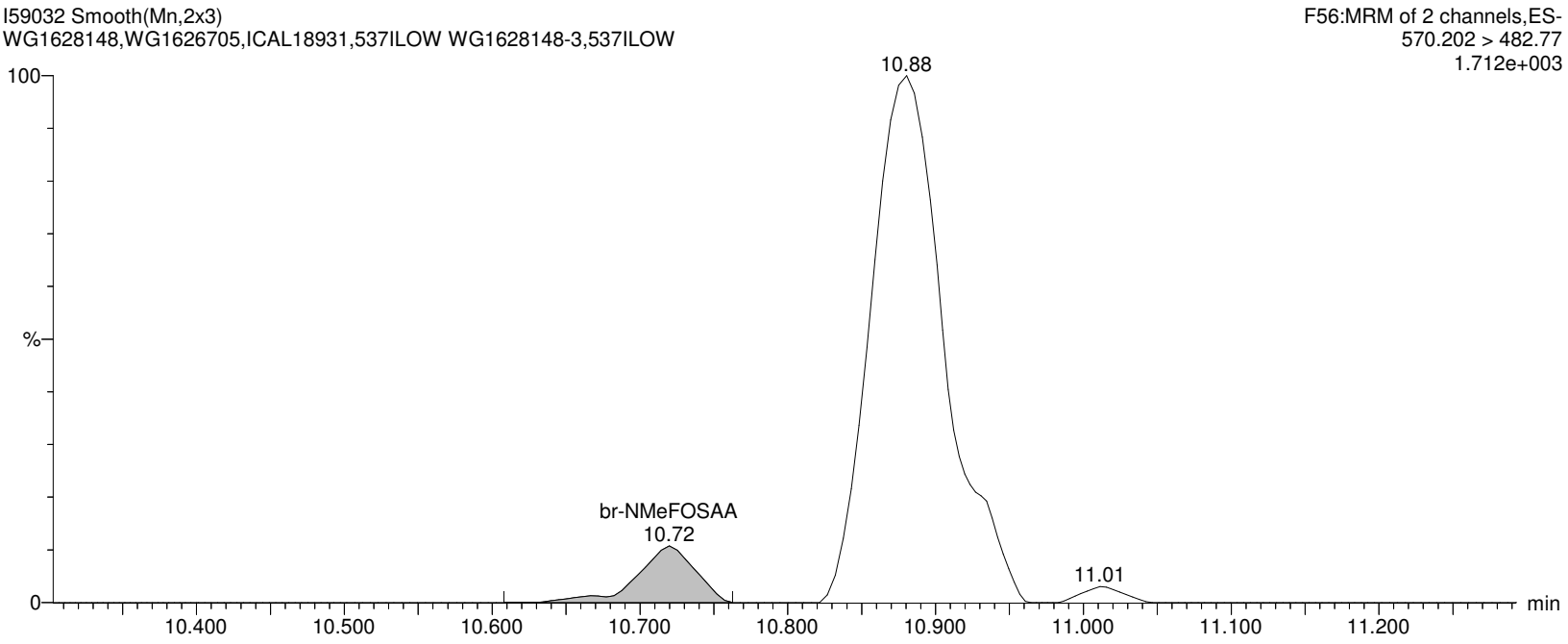
all concentration units in (ng/mL)

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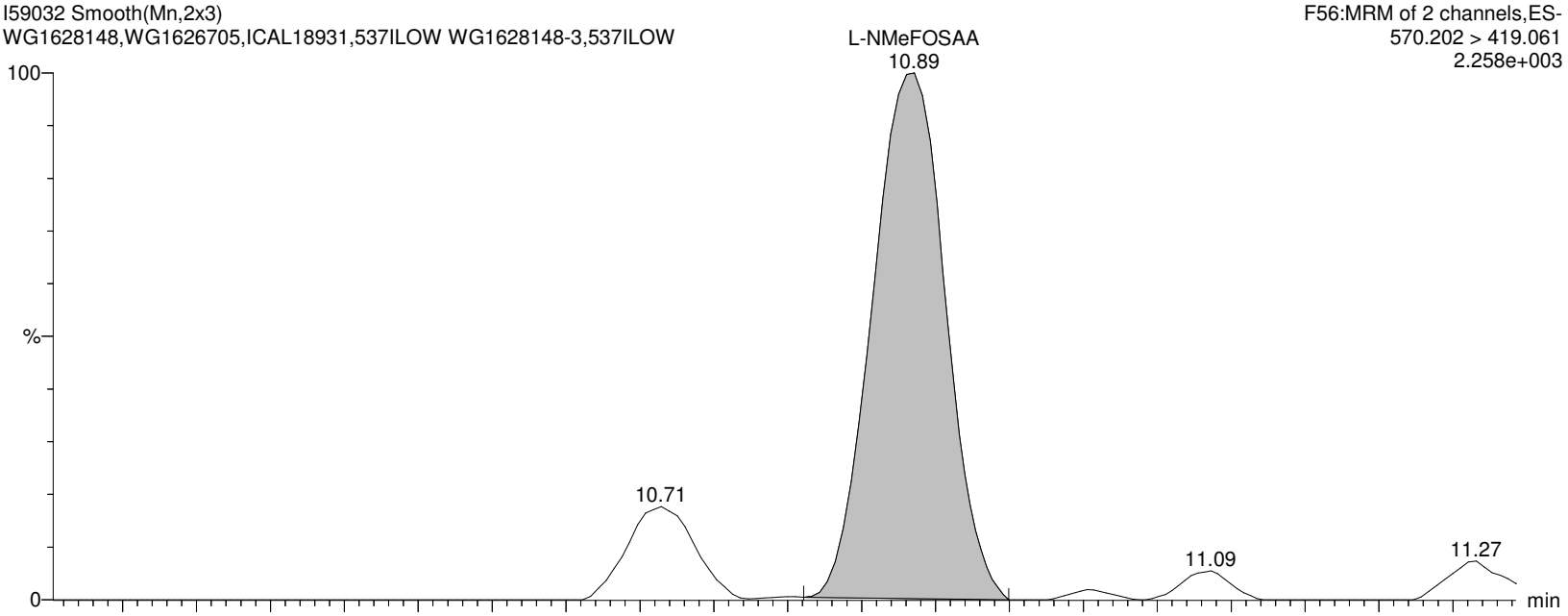


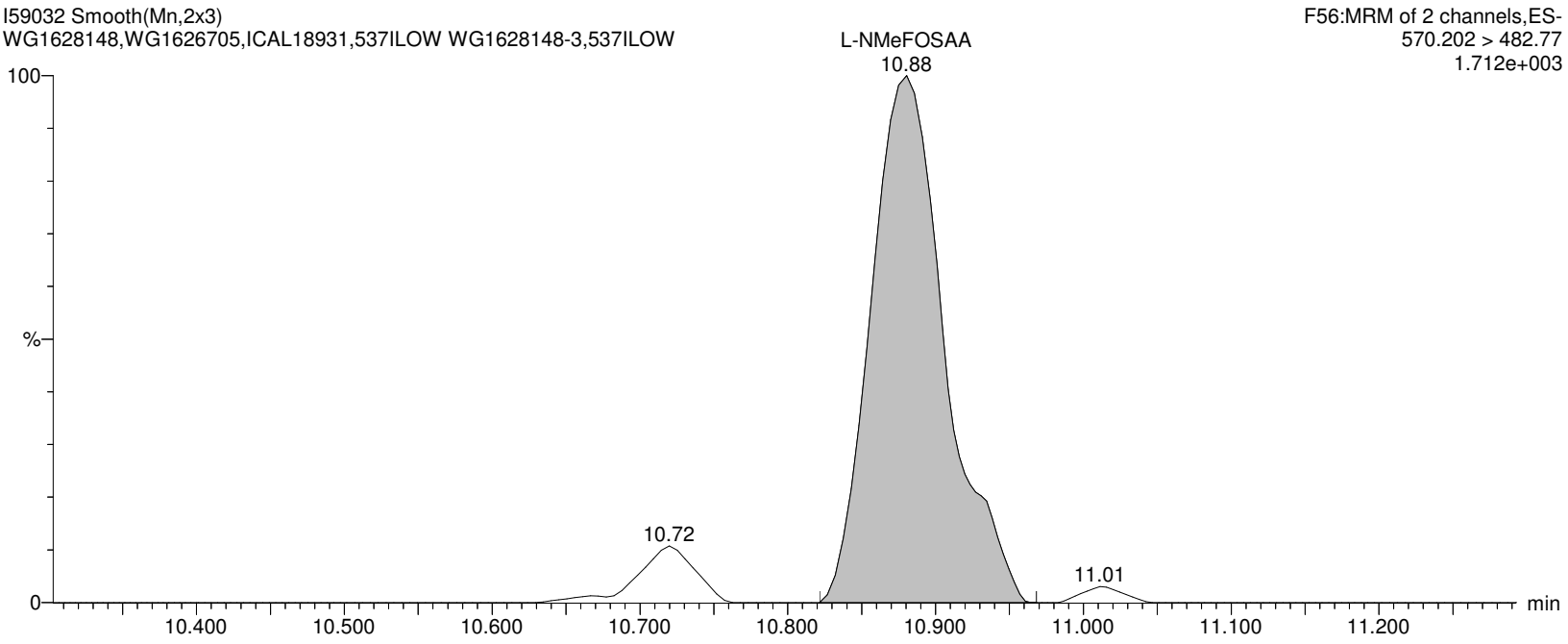
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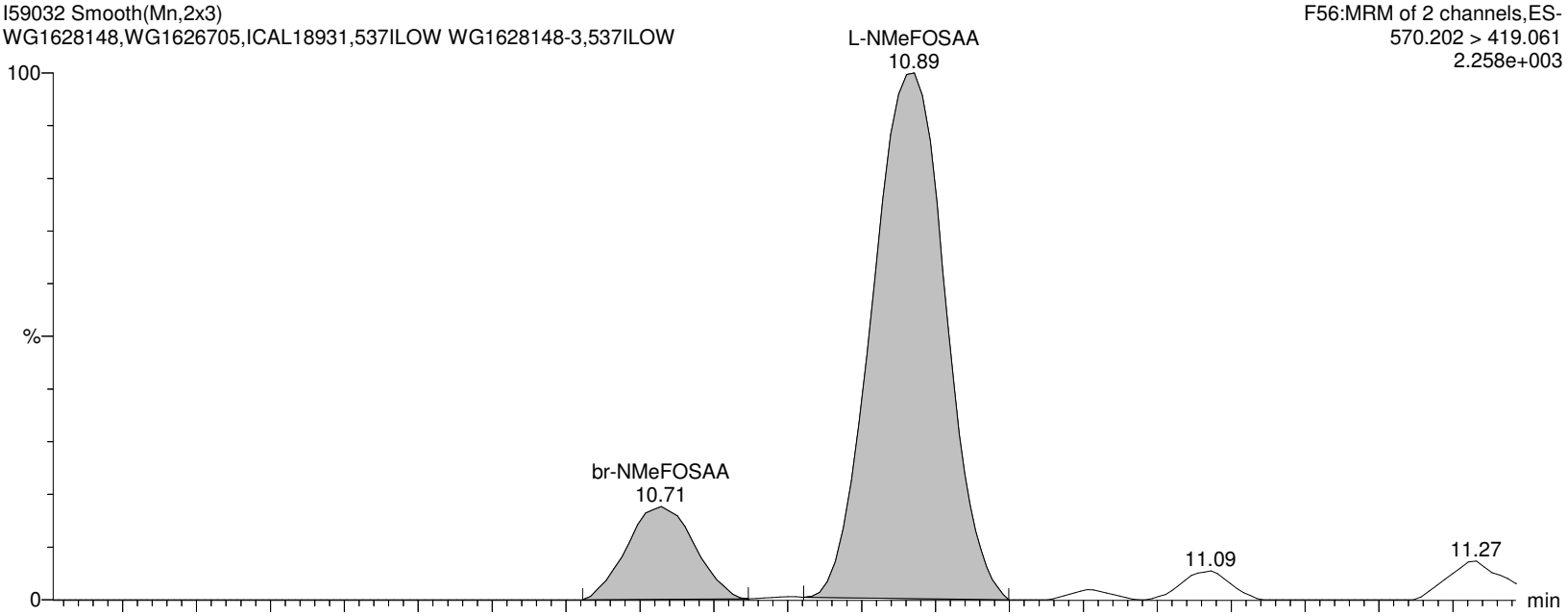


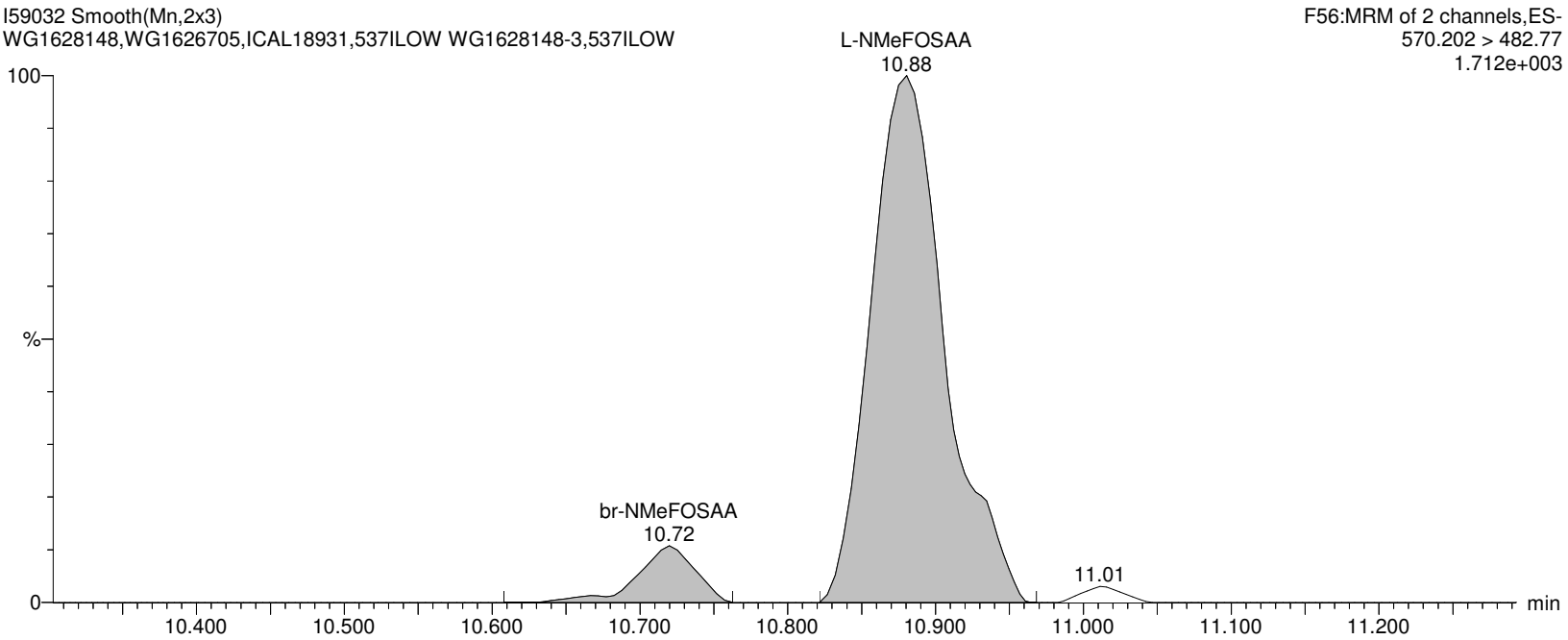
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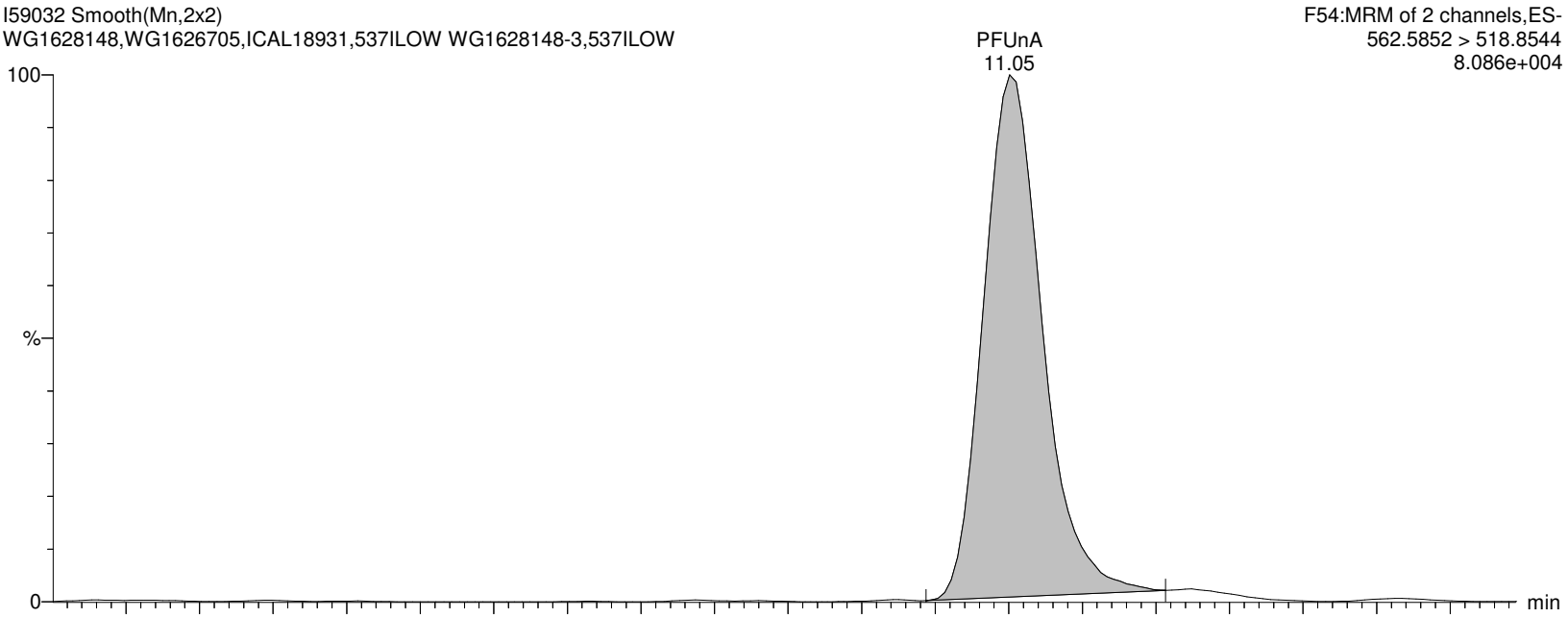


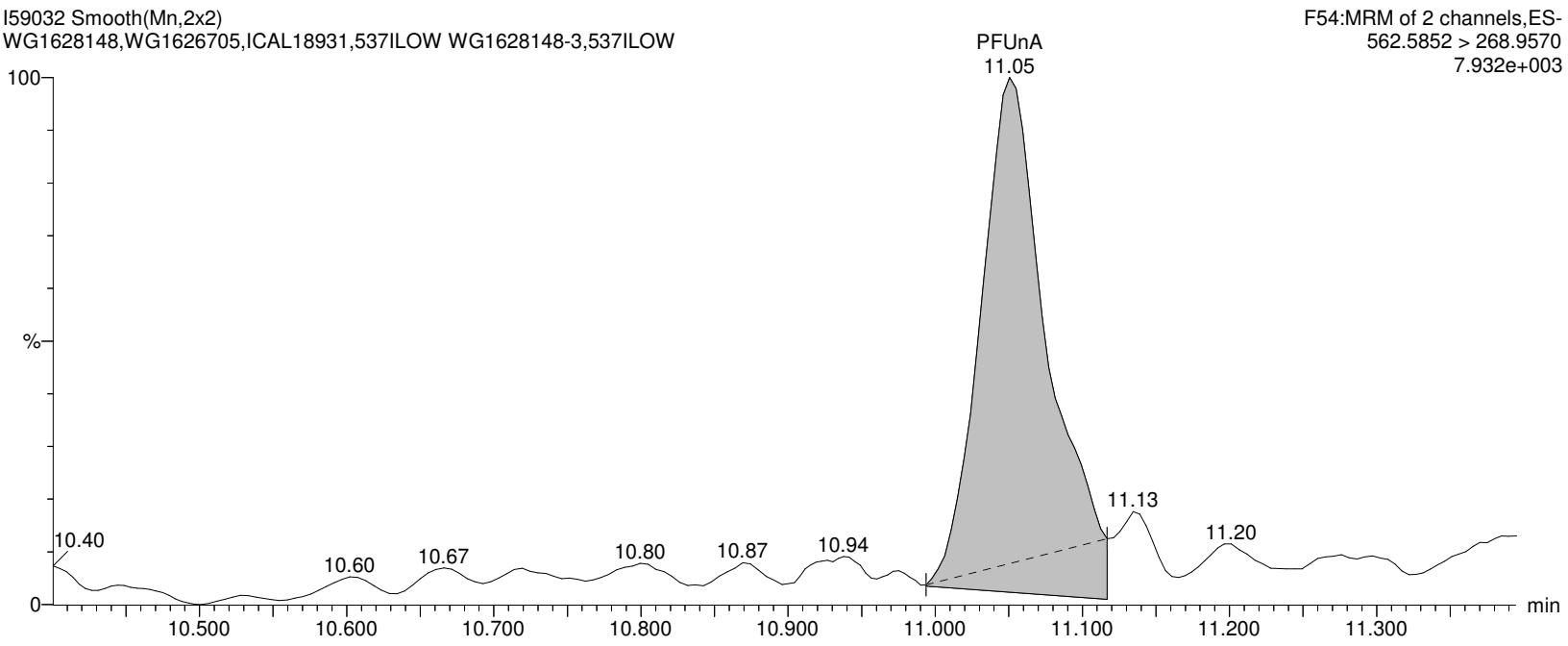
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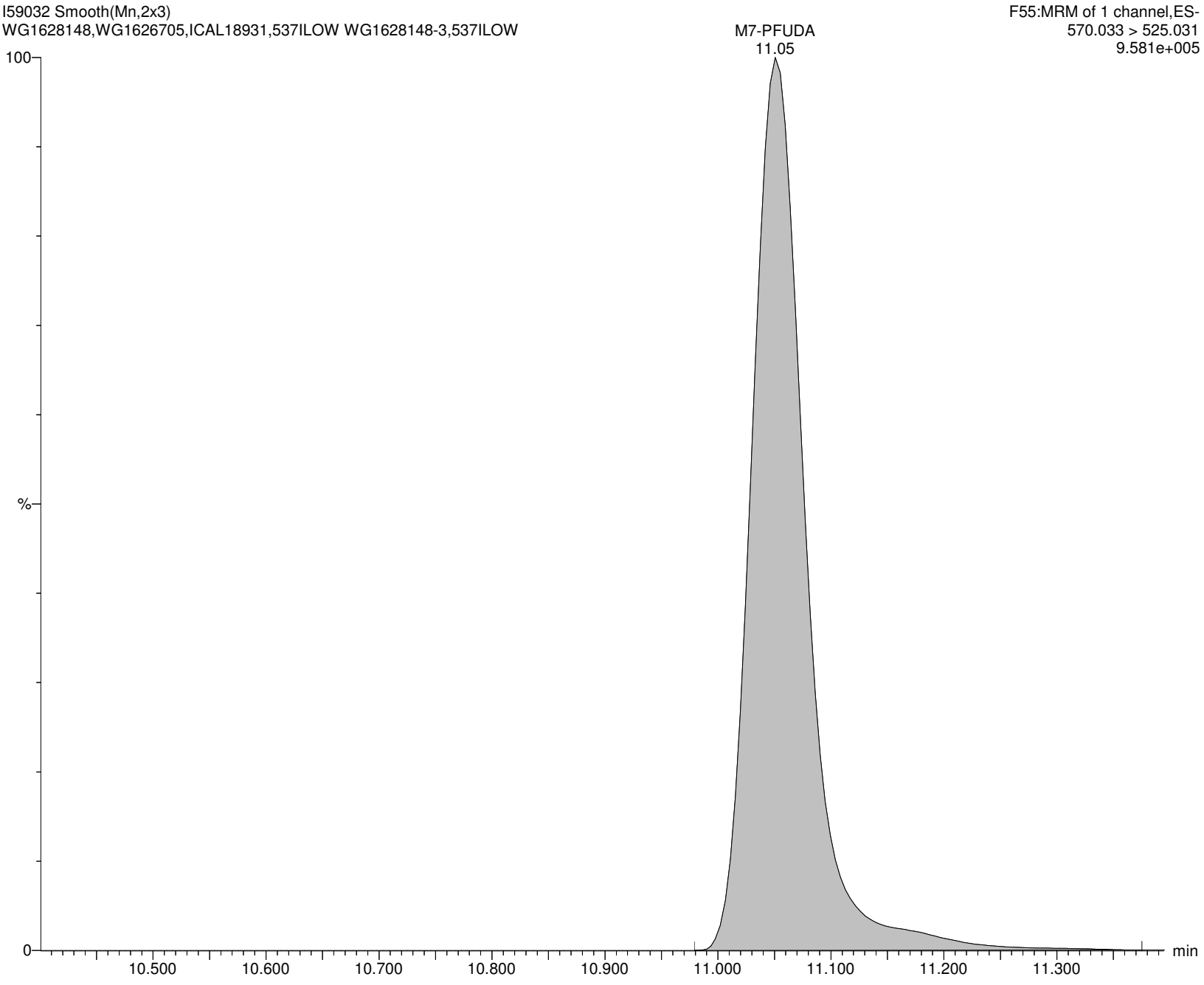


all concentration units in (ng/mL)

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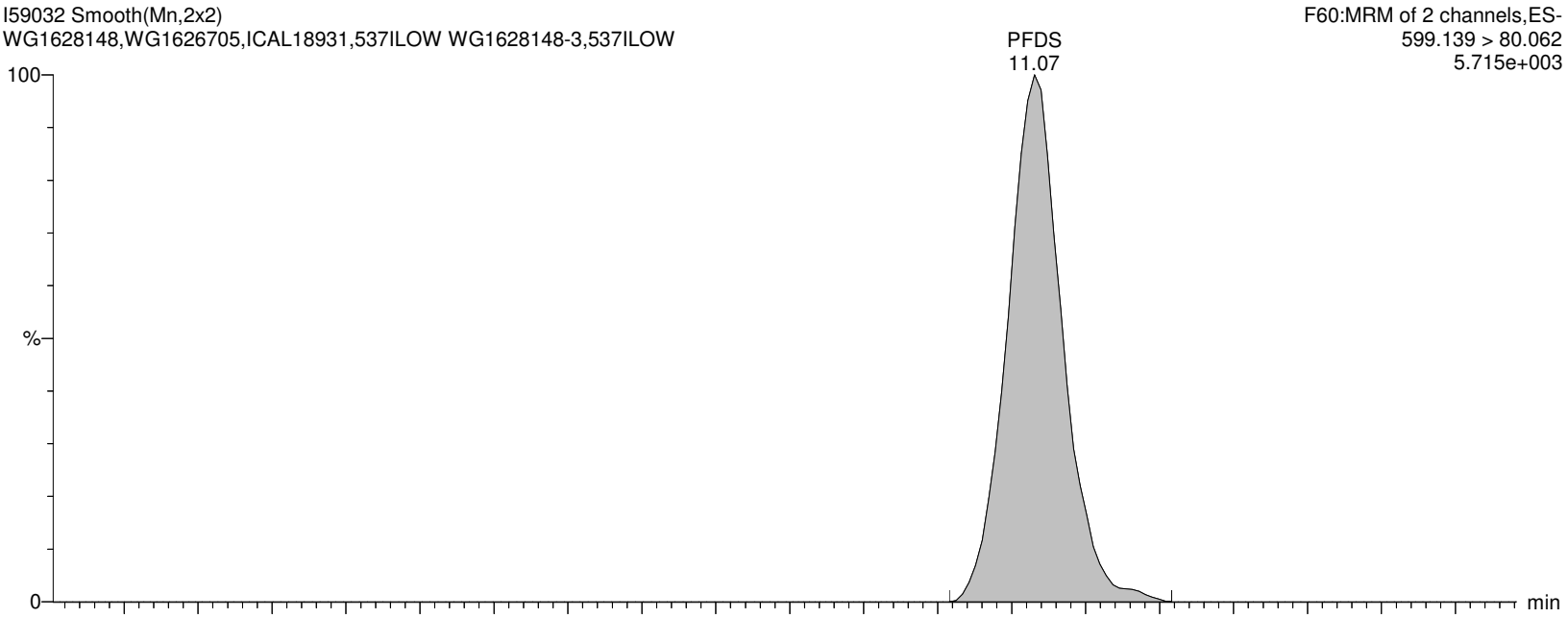


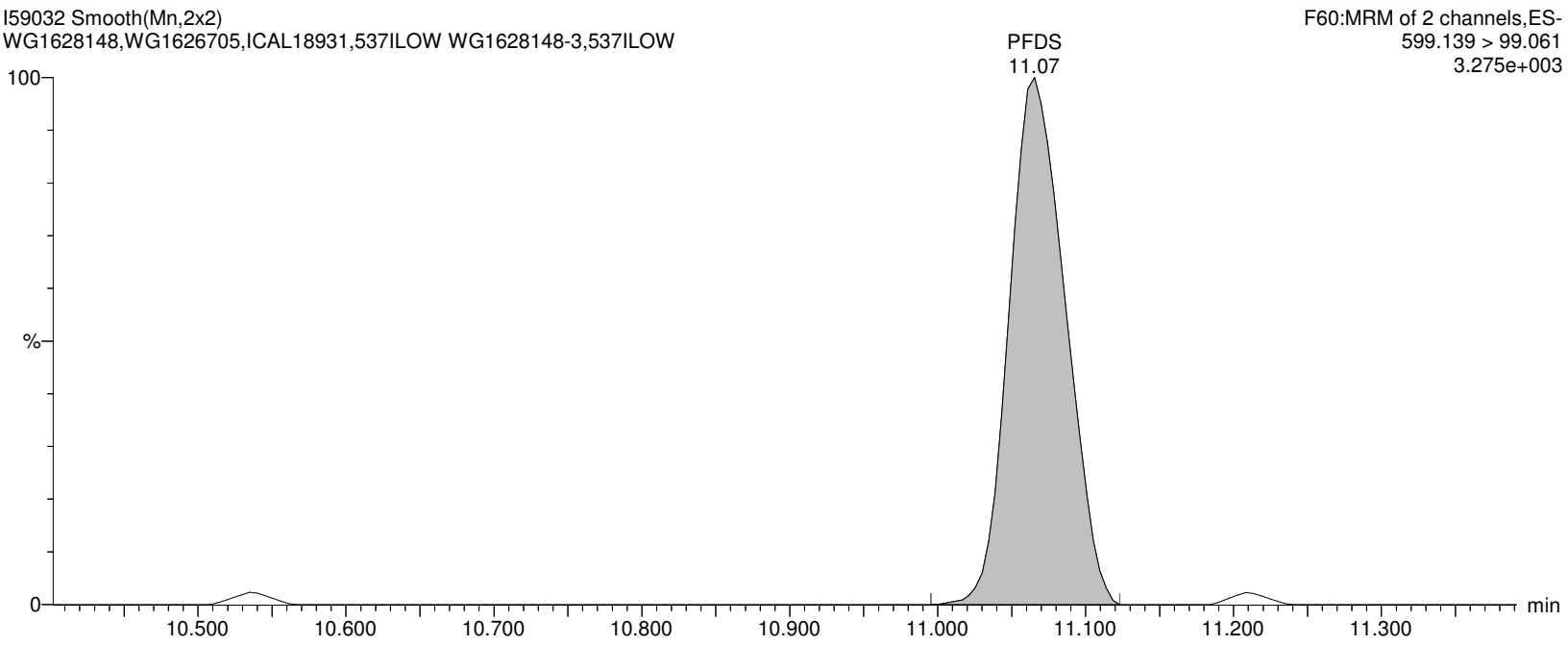
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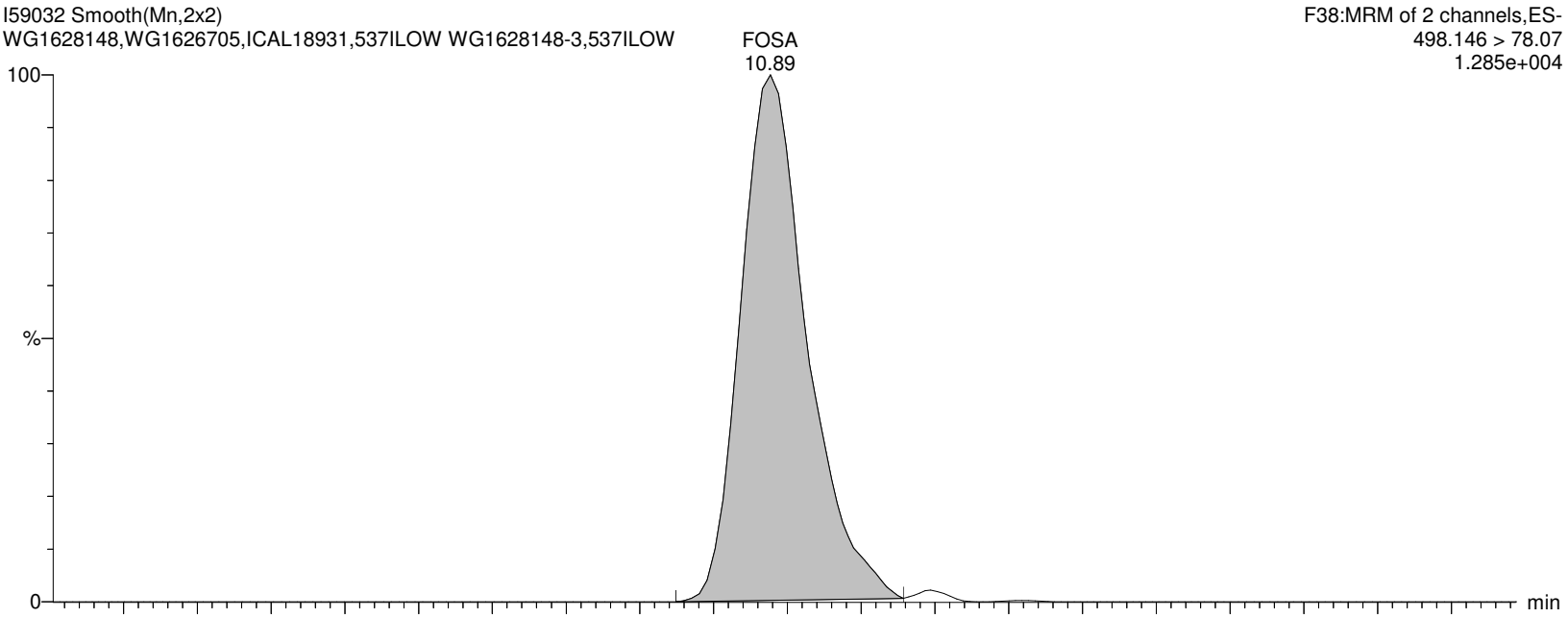


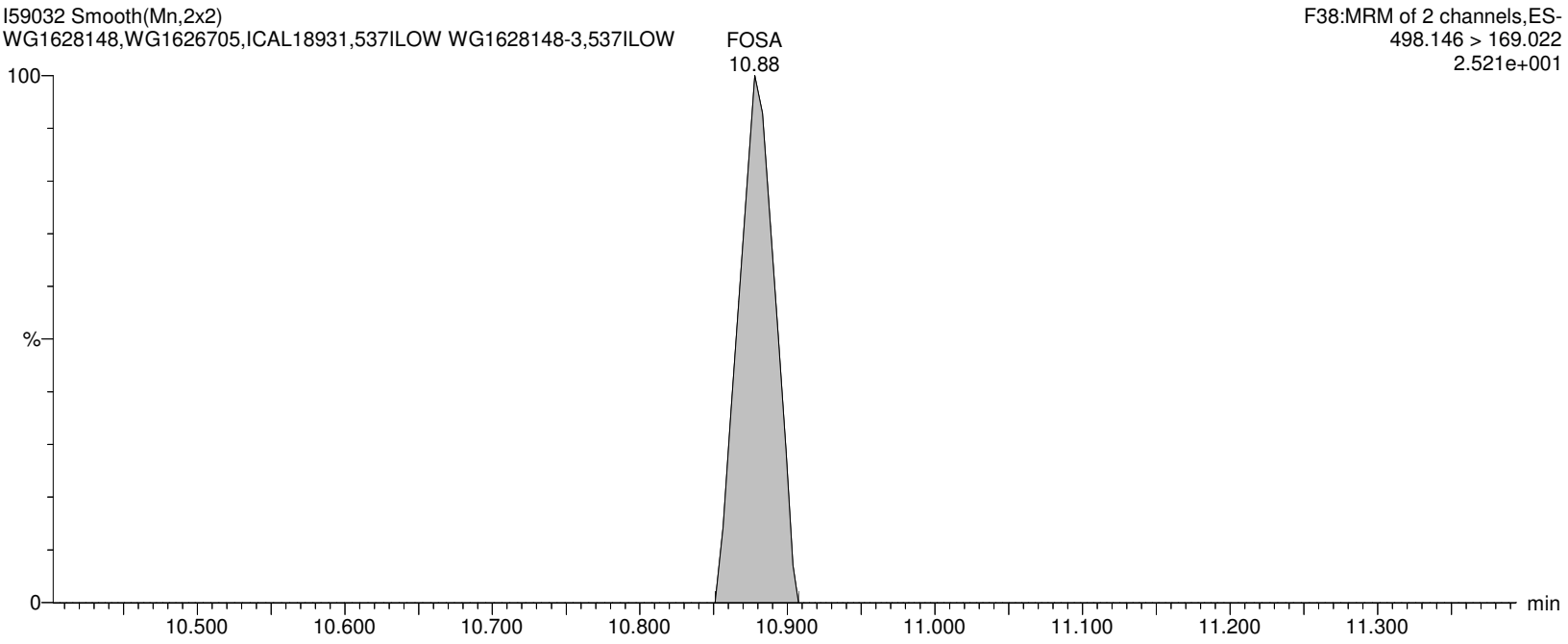
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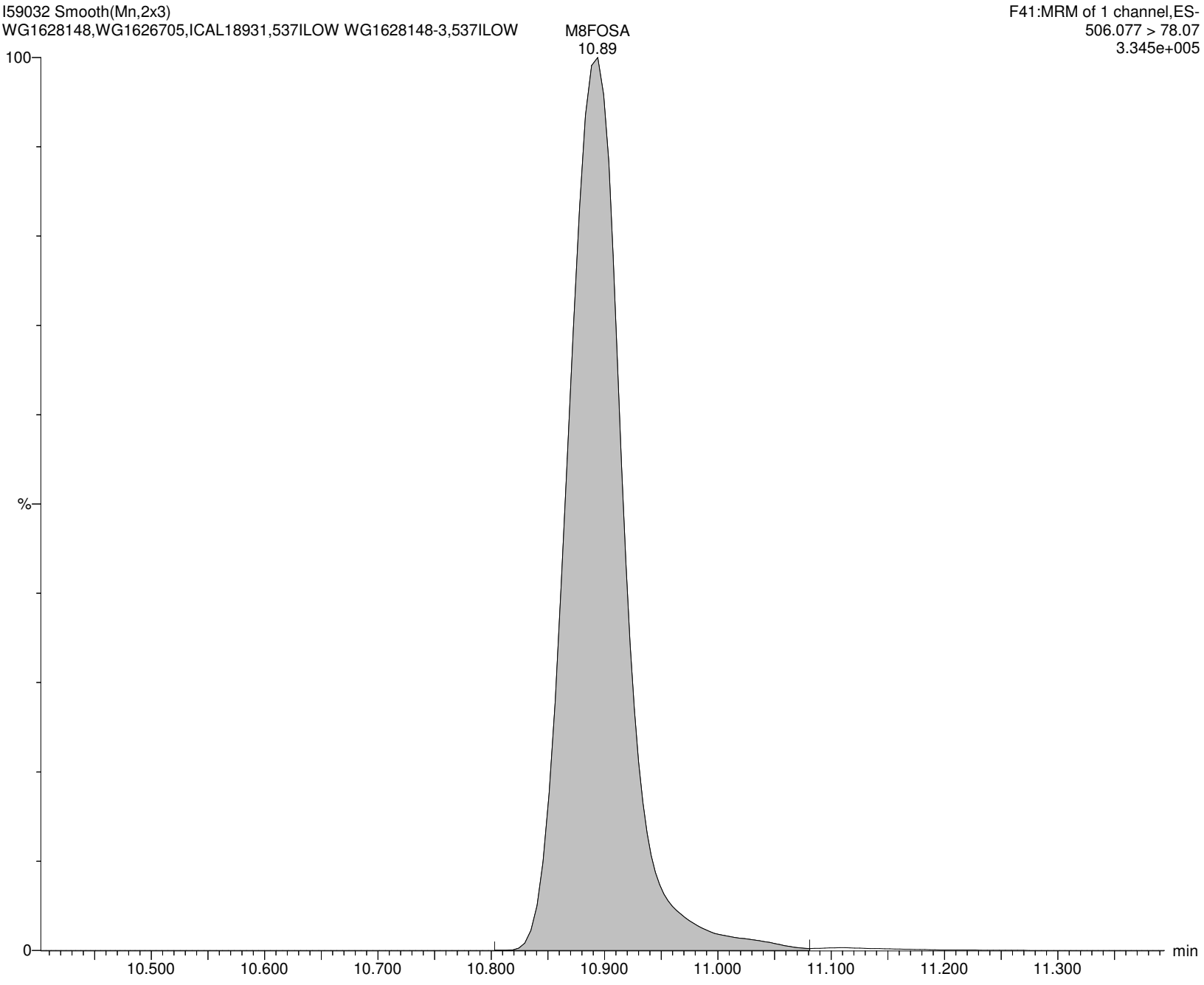


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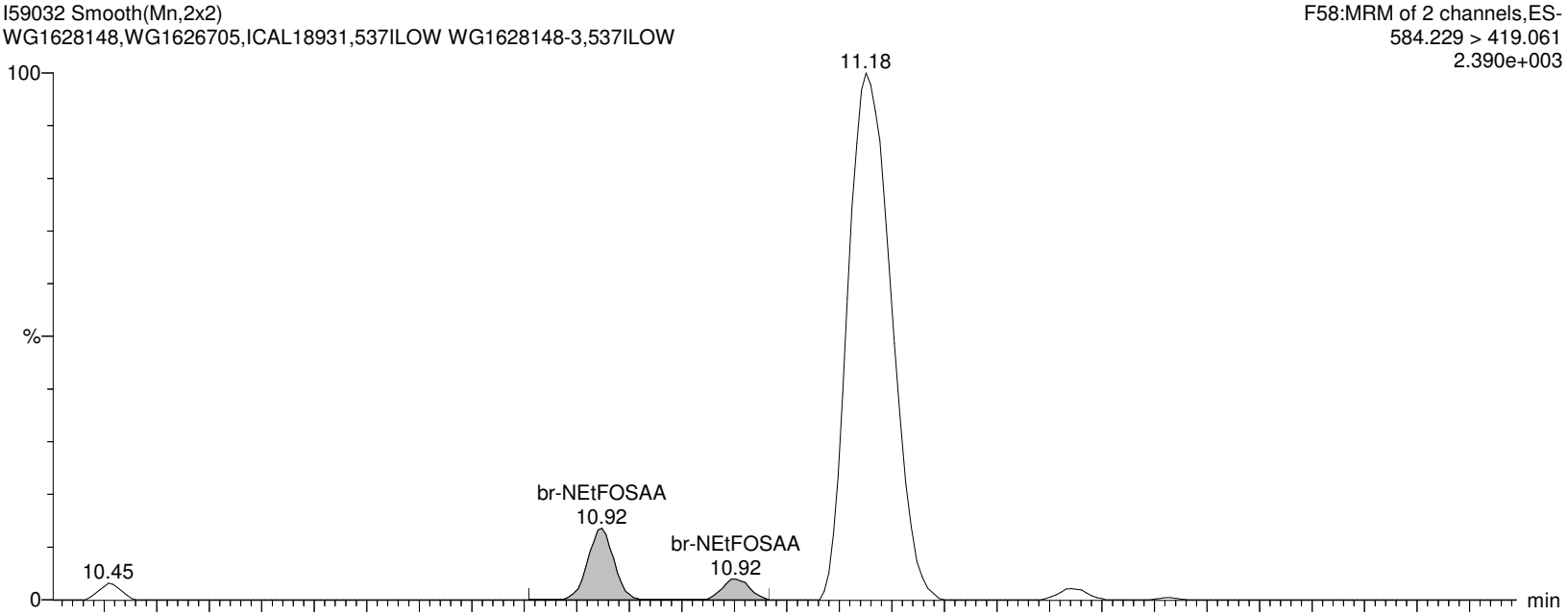


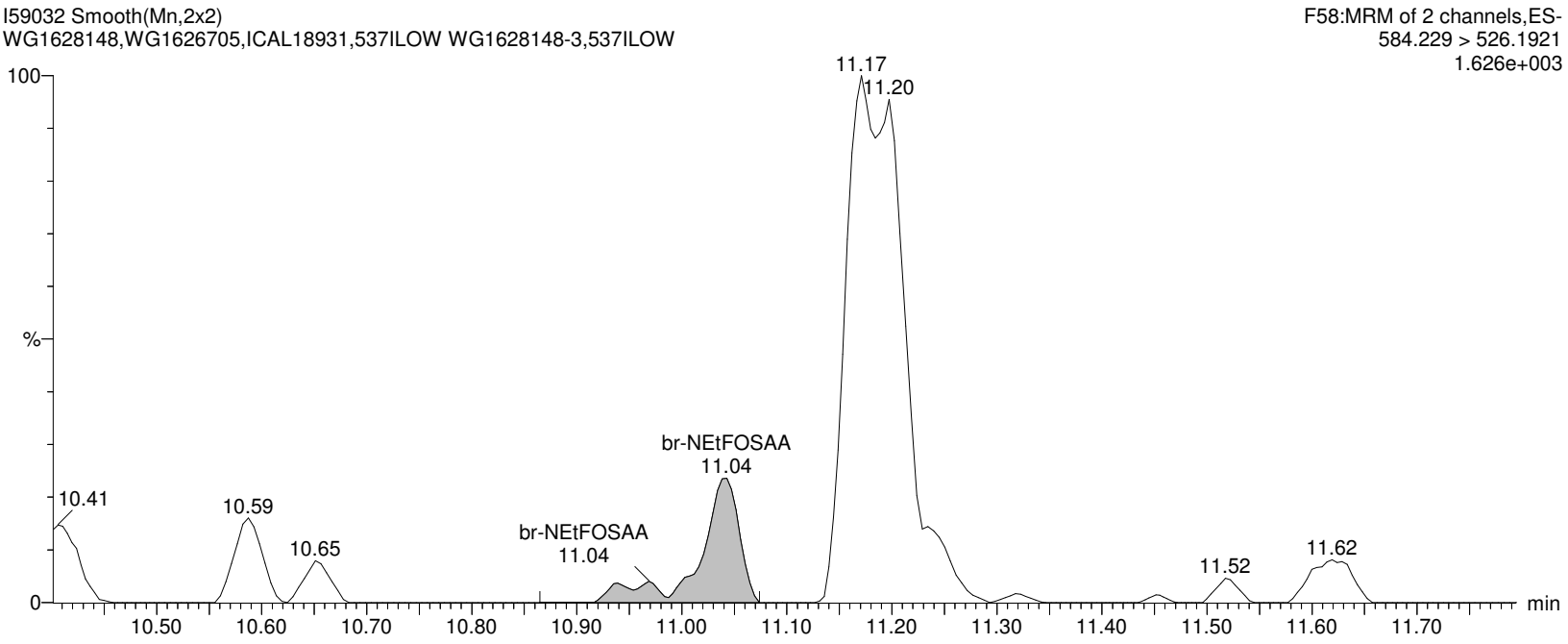
all concentration units in (ng/mL)

Alpha Analytical Inc.
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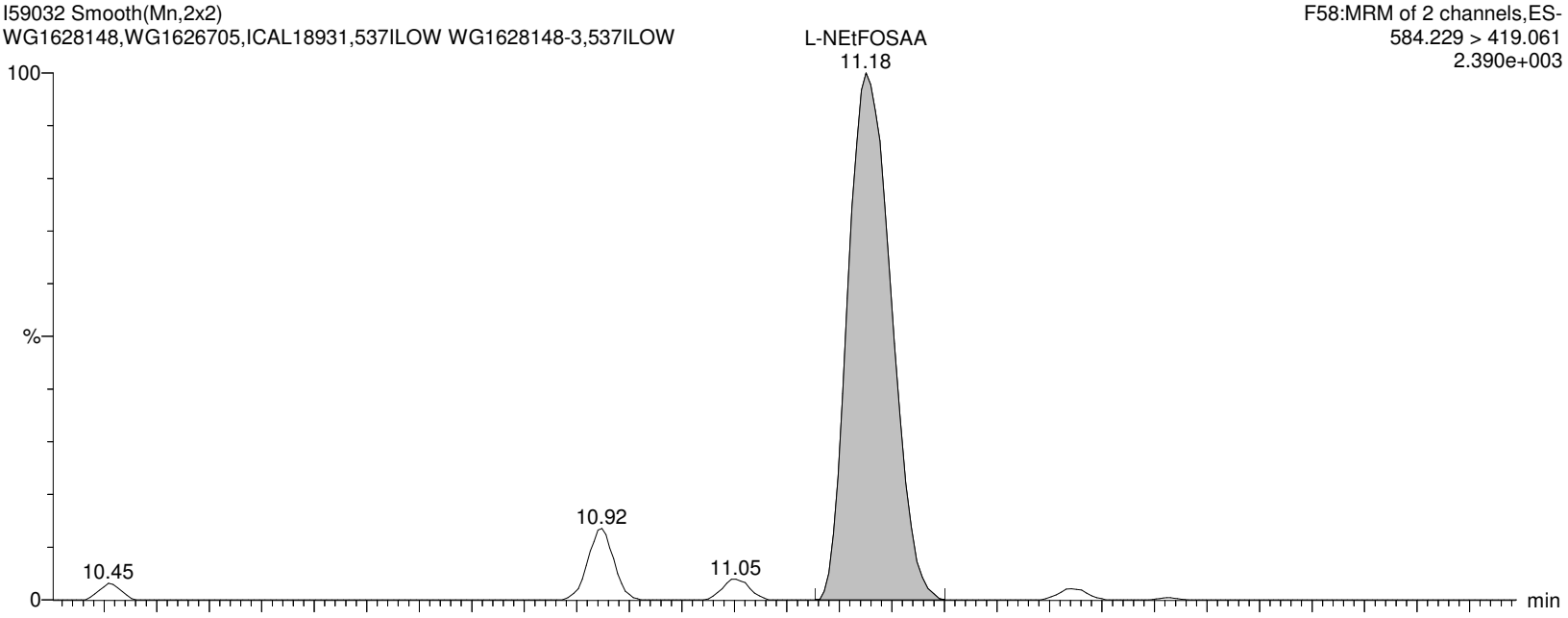


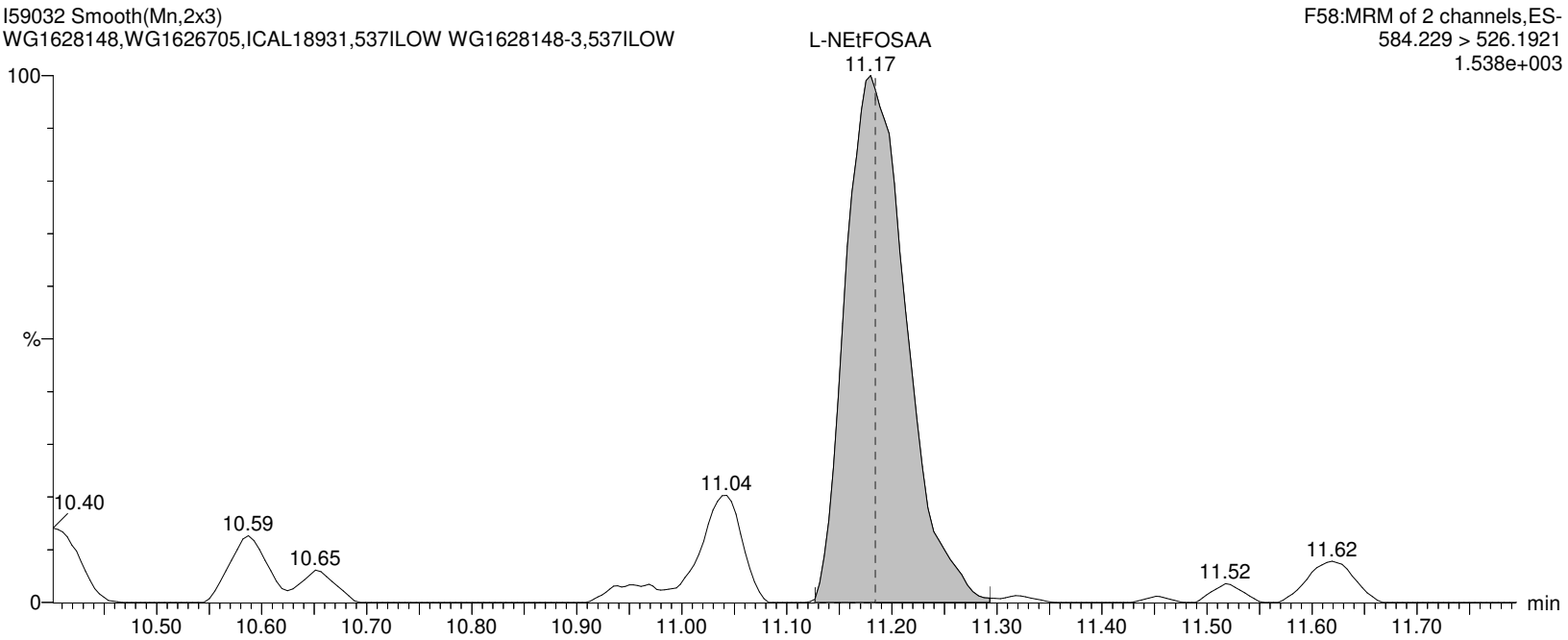
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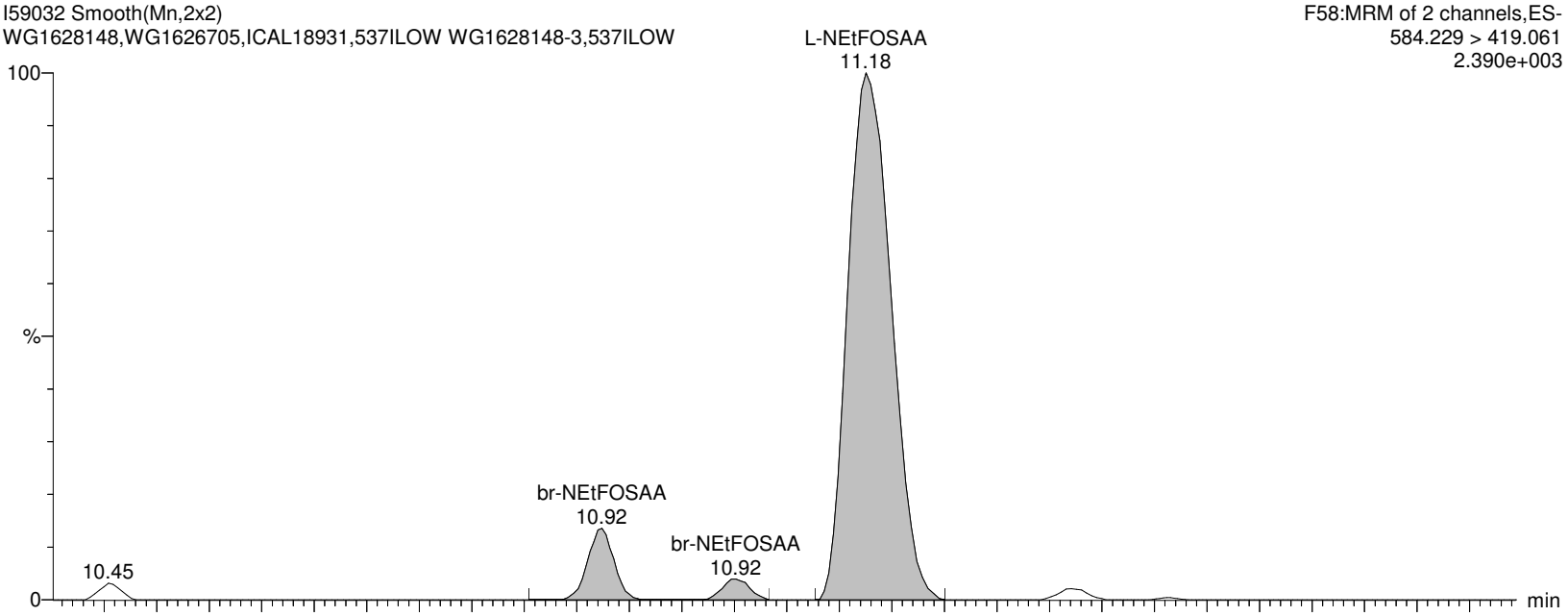


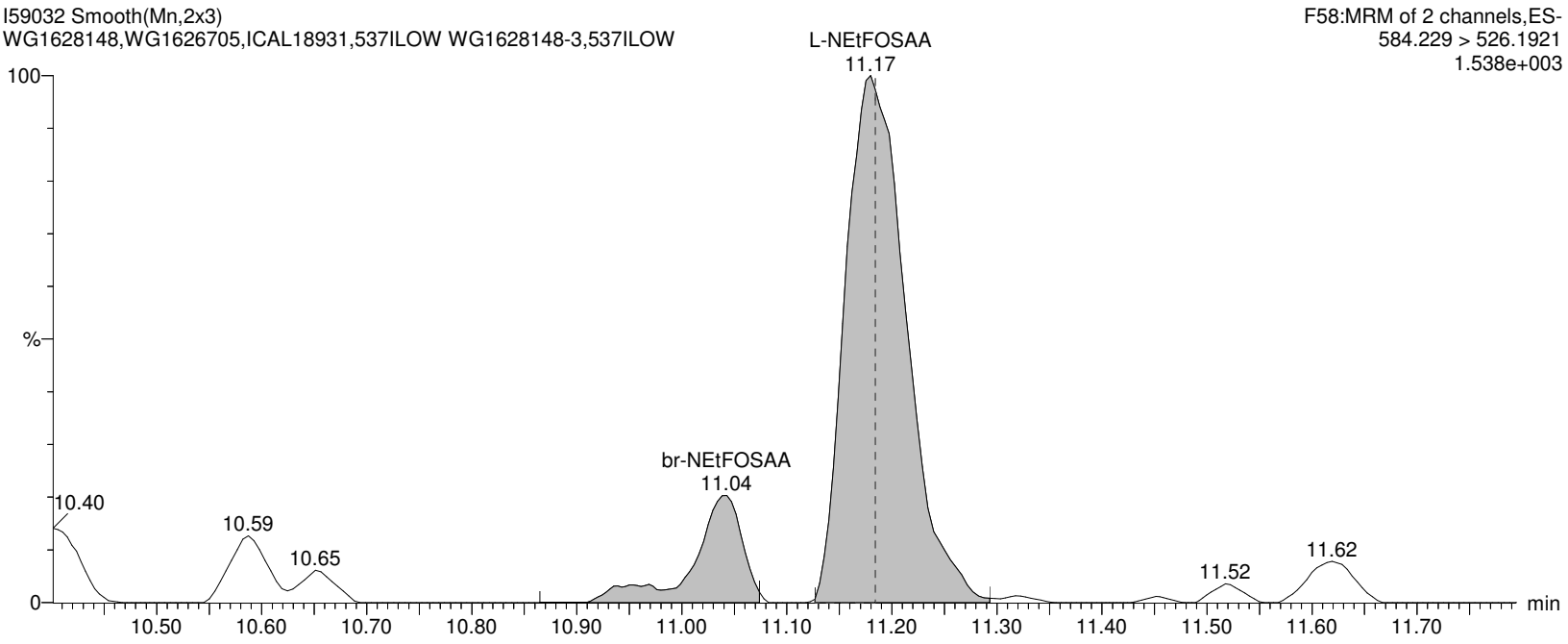
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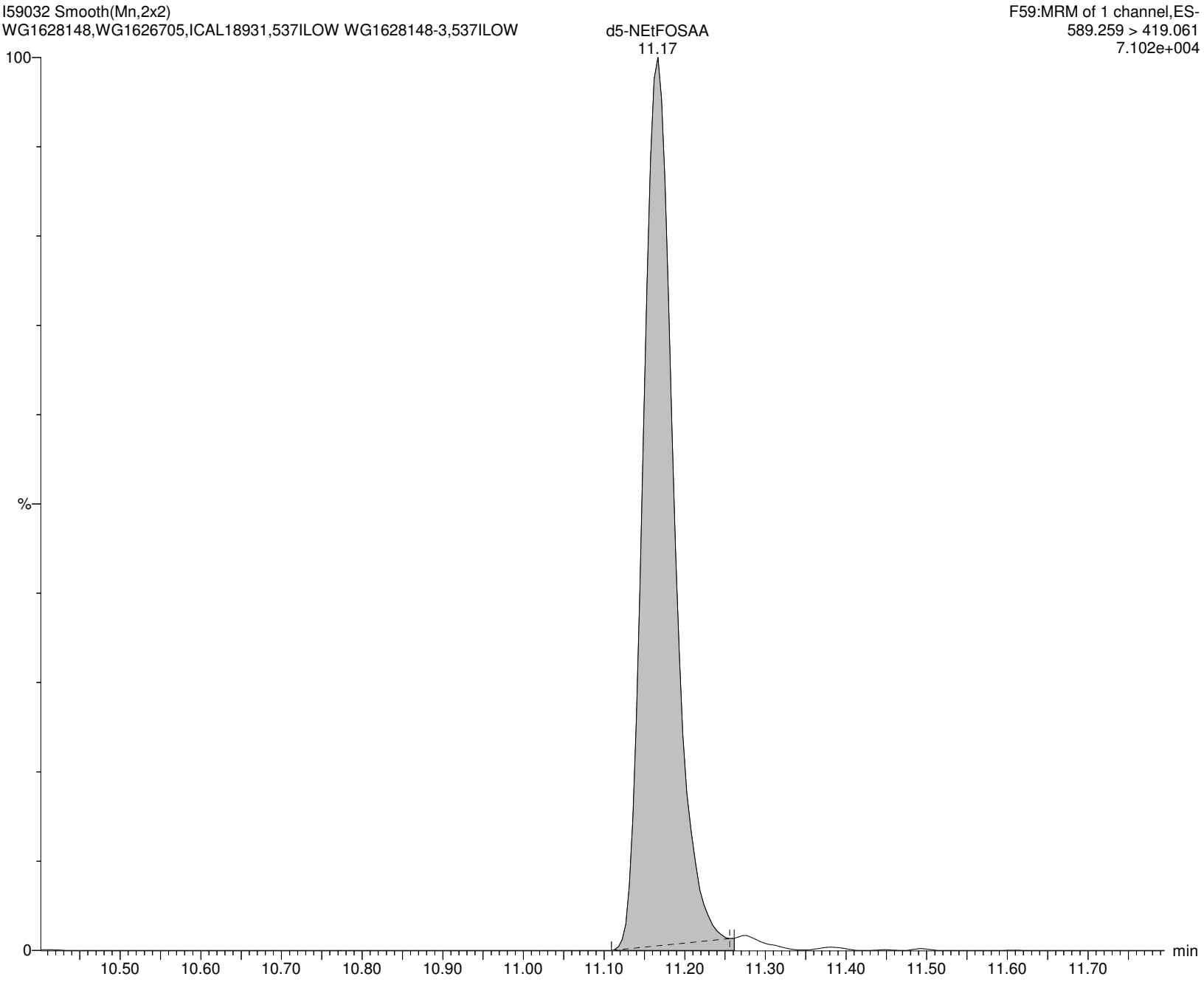


all concentration units in (ng/mL)

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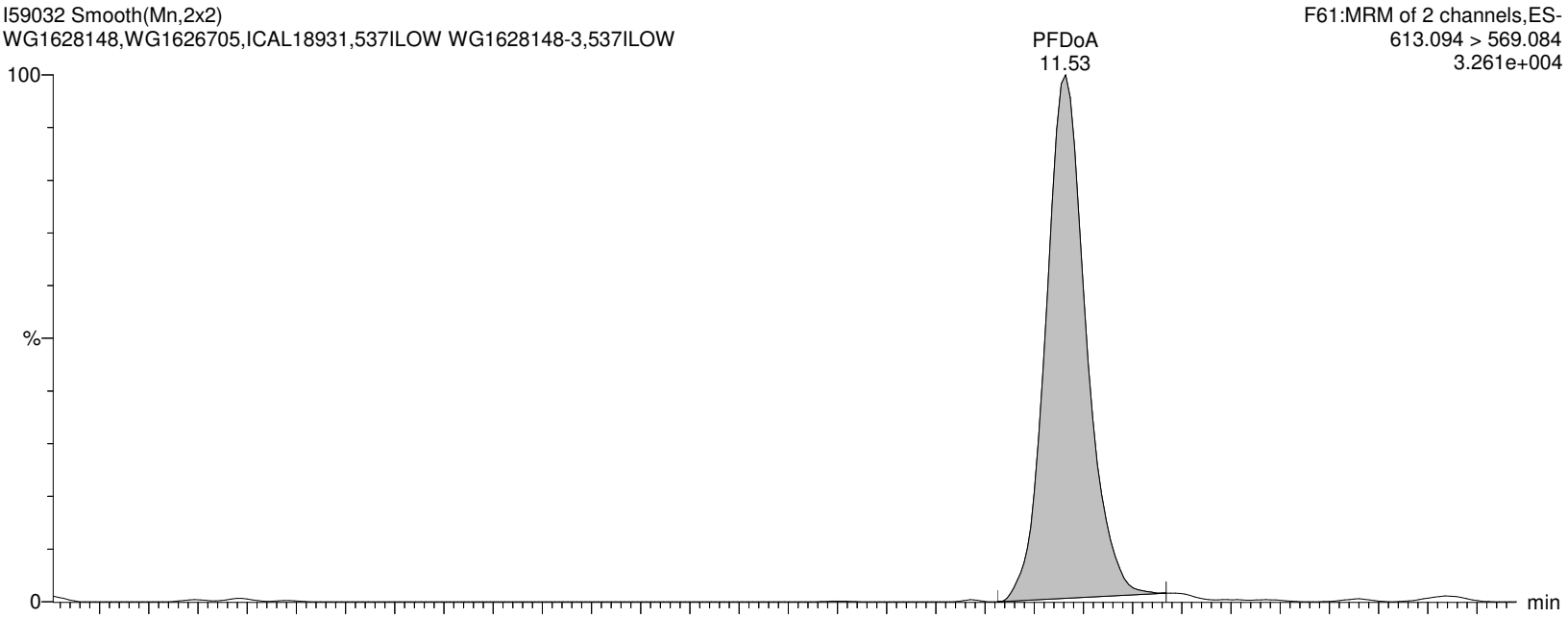


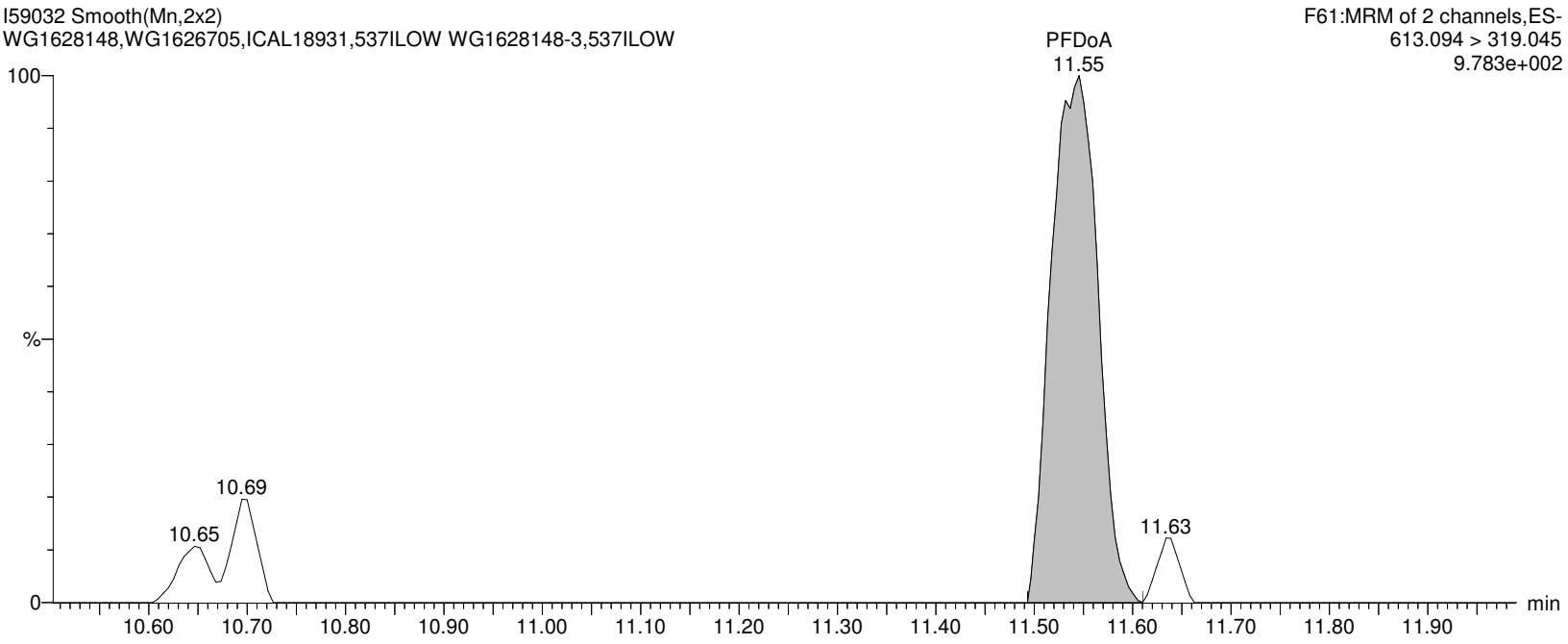
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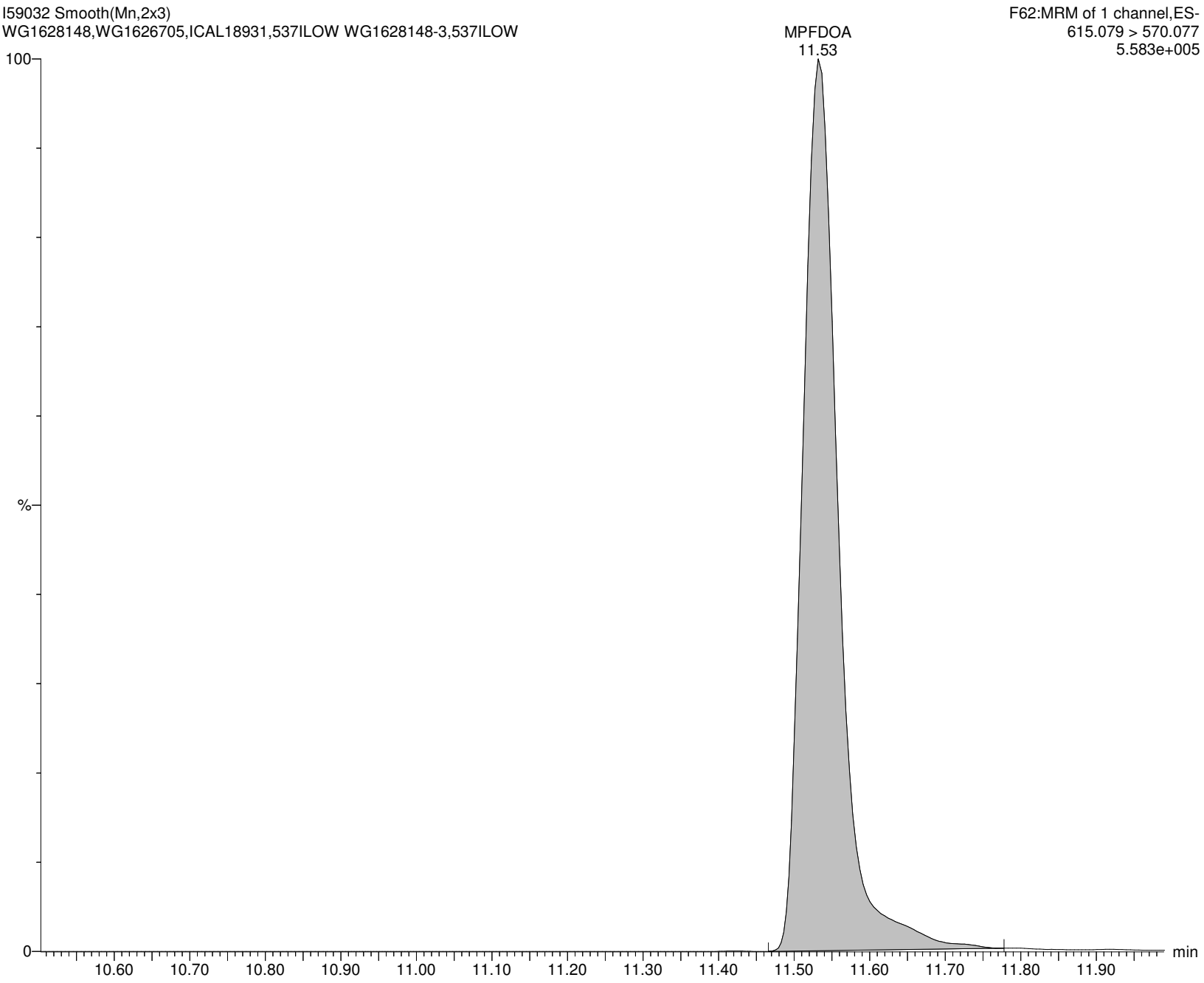


all concentration units in (ng/mL)

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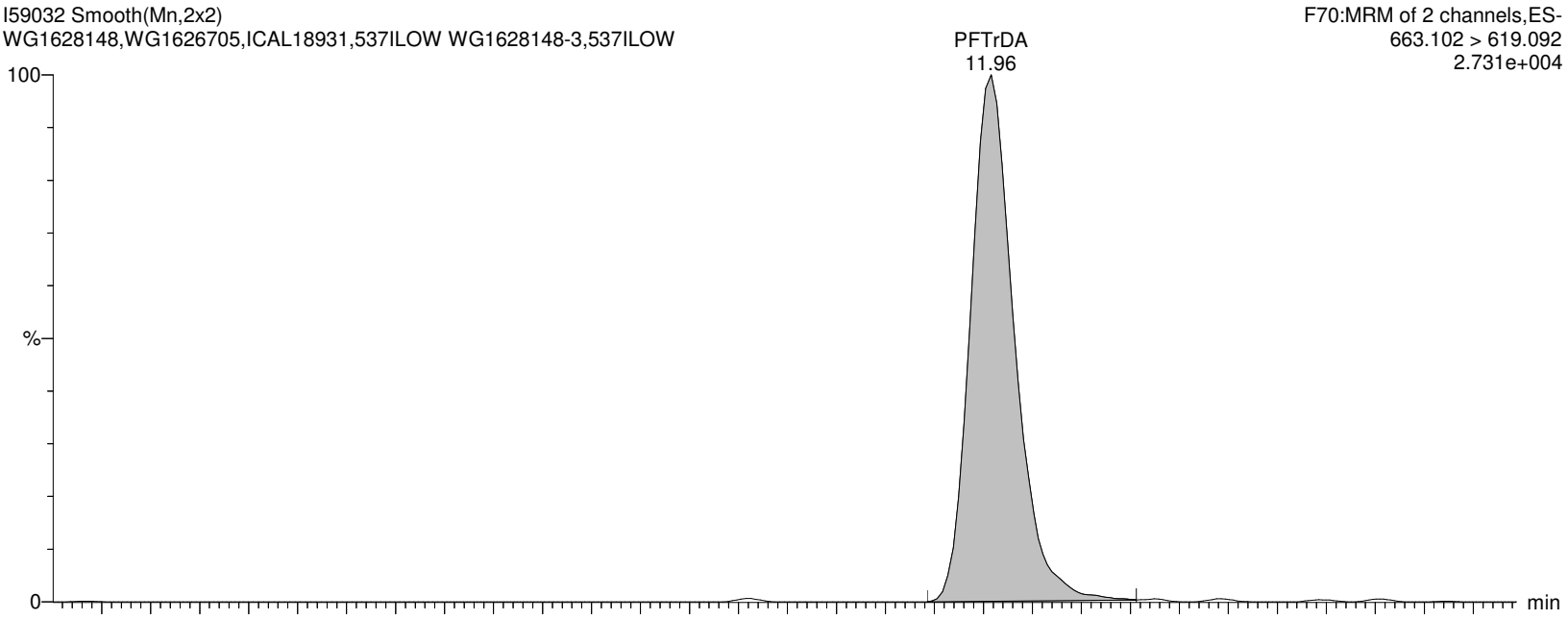


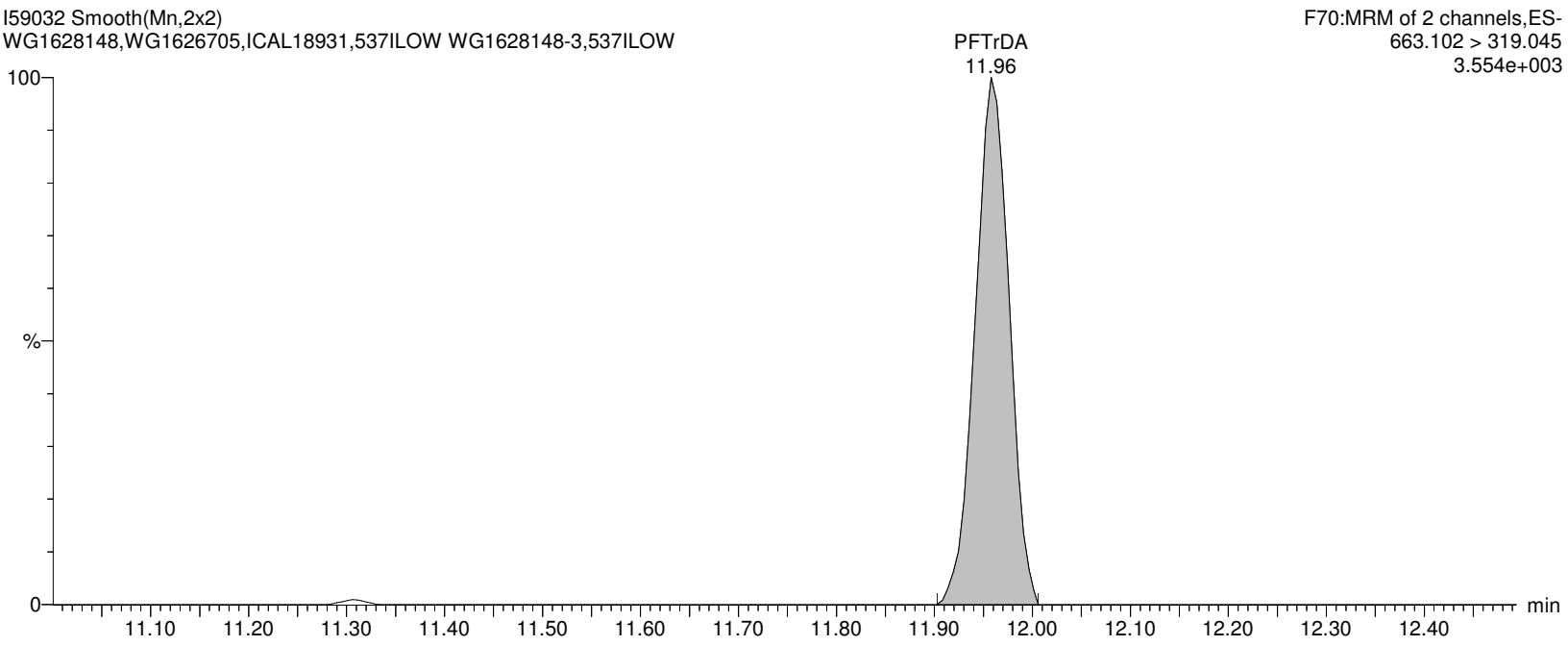
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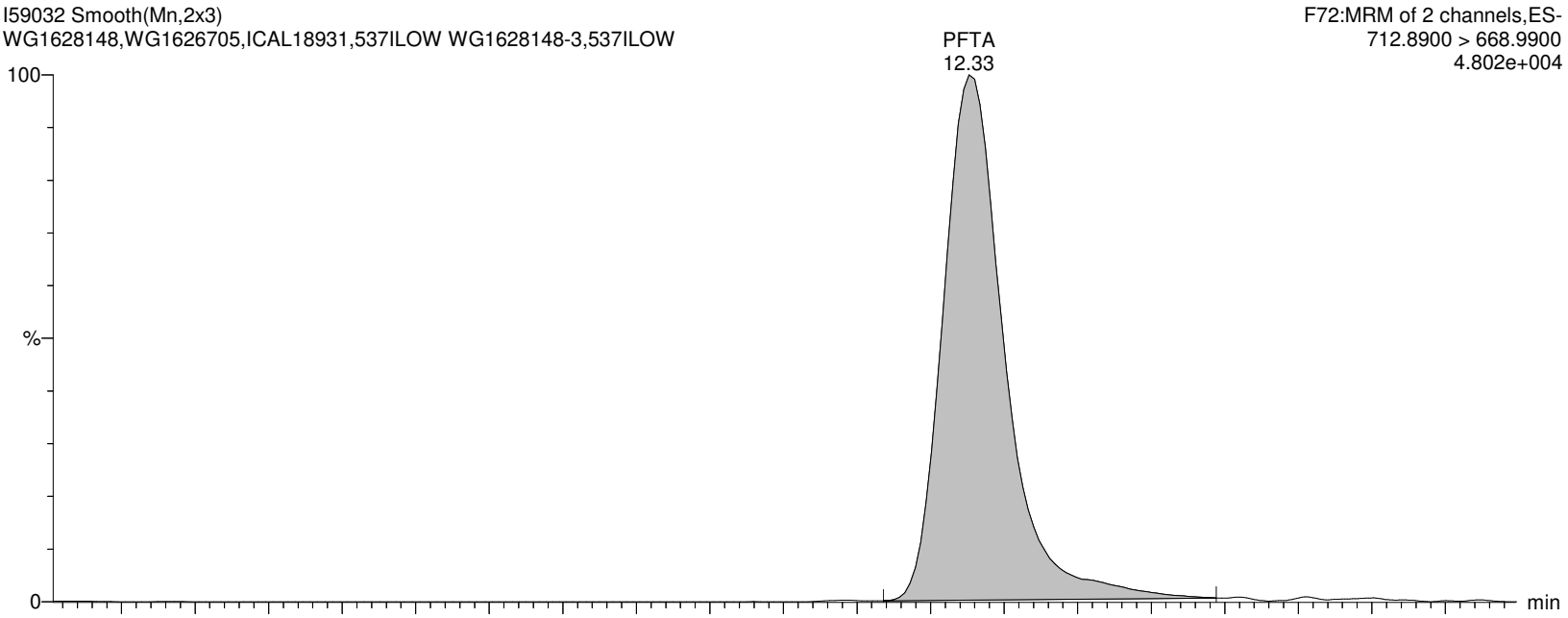


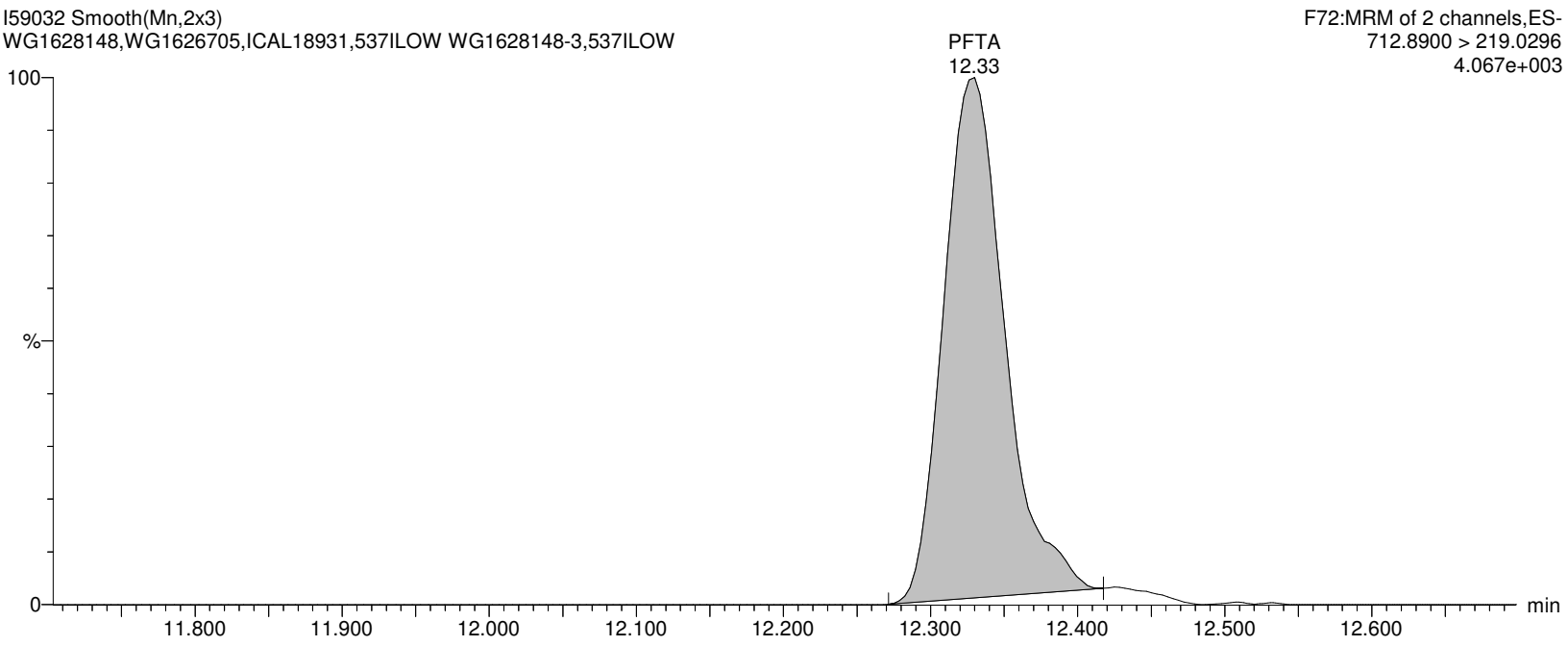
all concentration units in (ng/mL)

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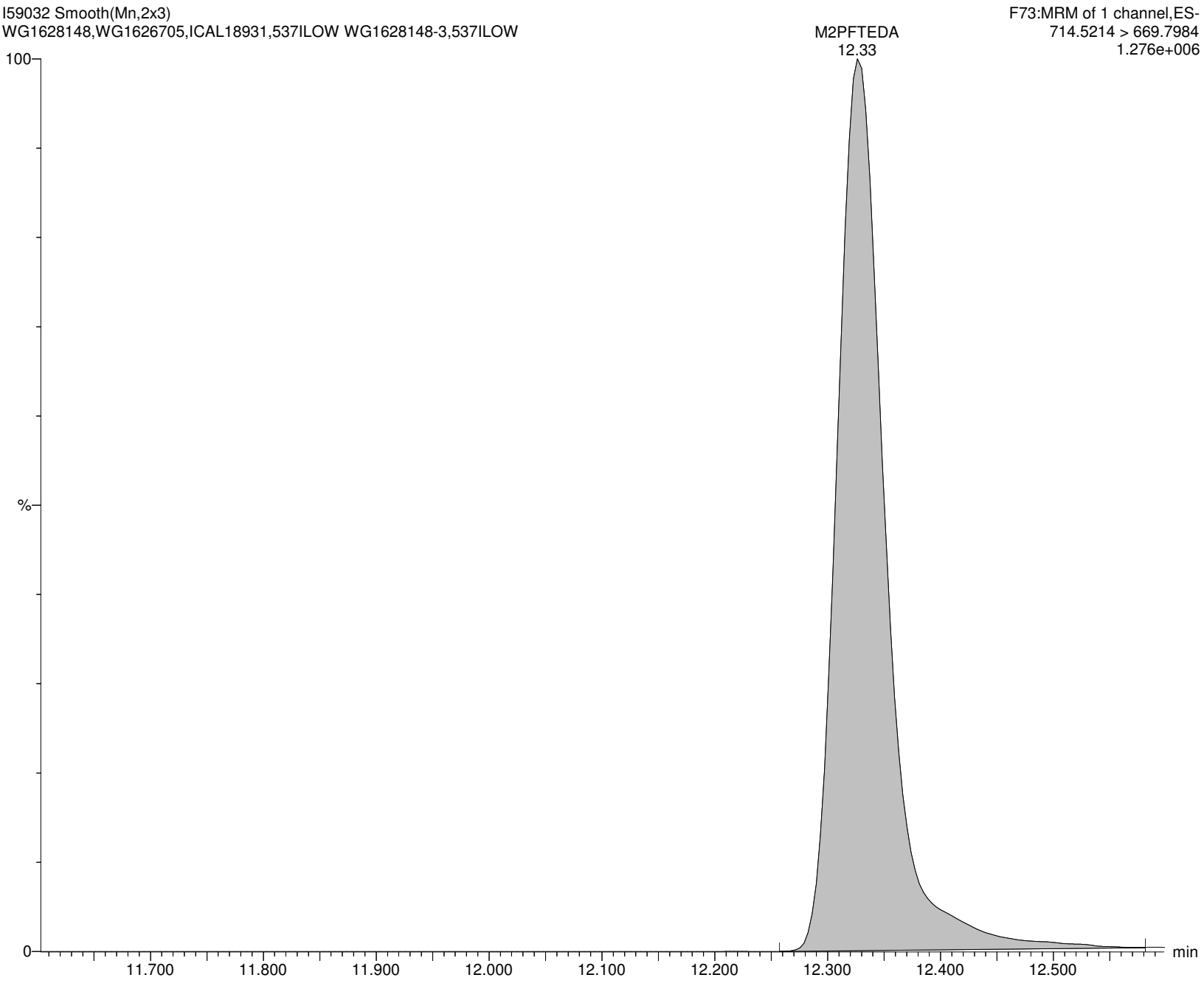


all concentration units in (ng/mL)

Alpha Analytical Inc.
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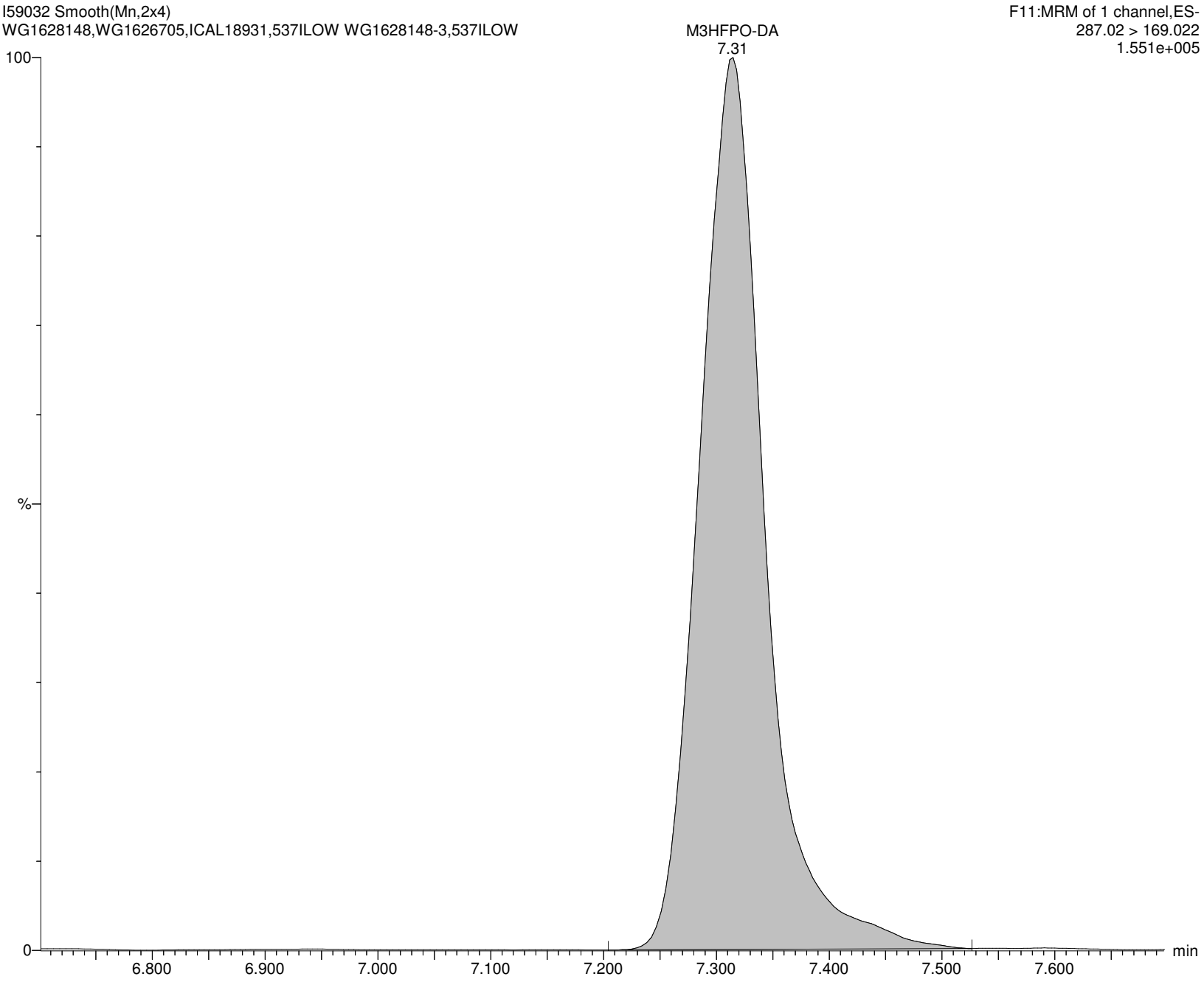


all concentration units in (ng/mL)

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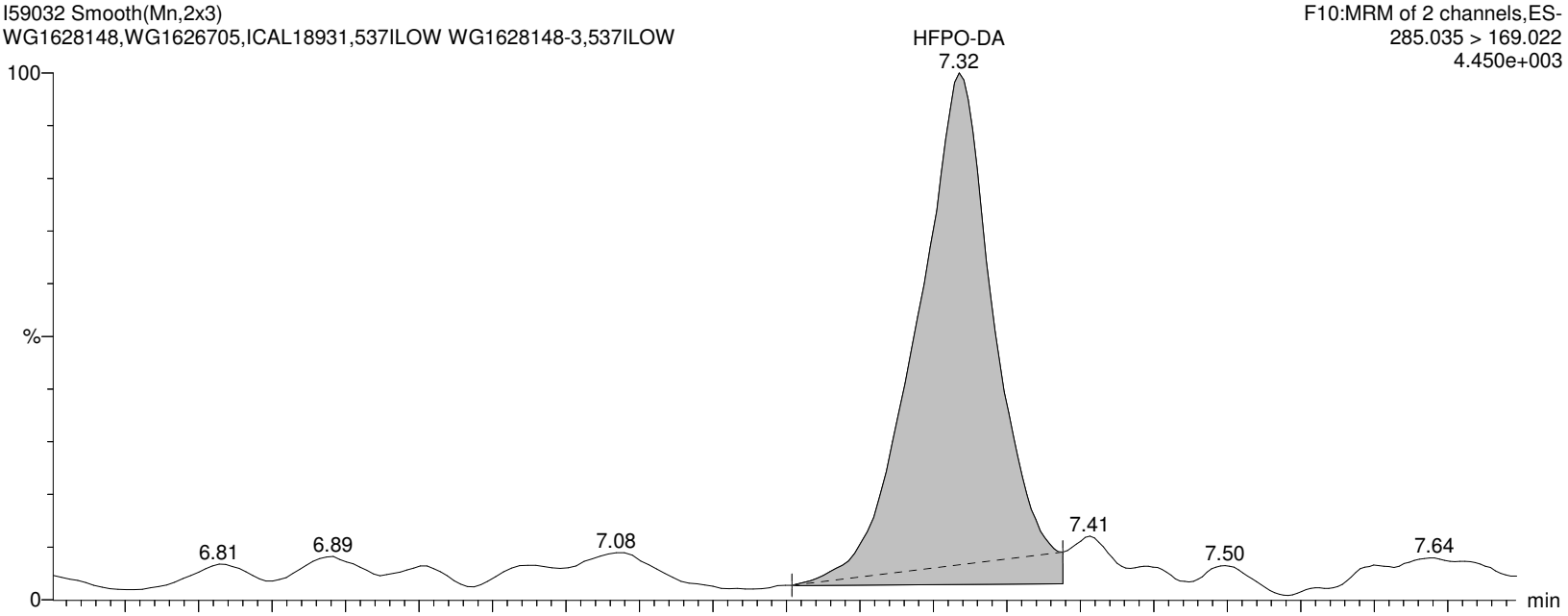


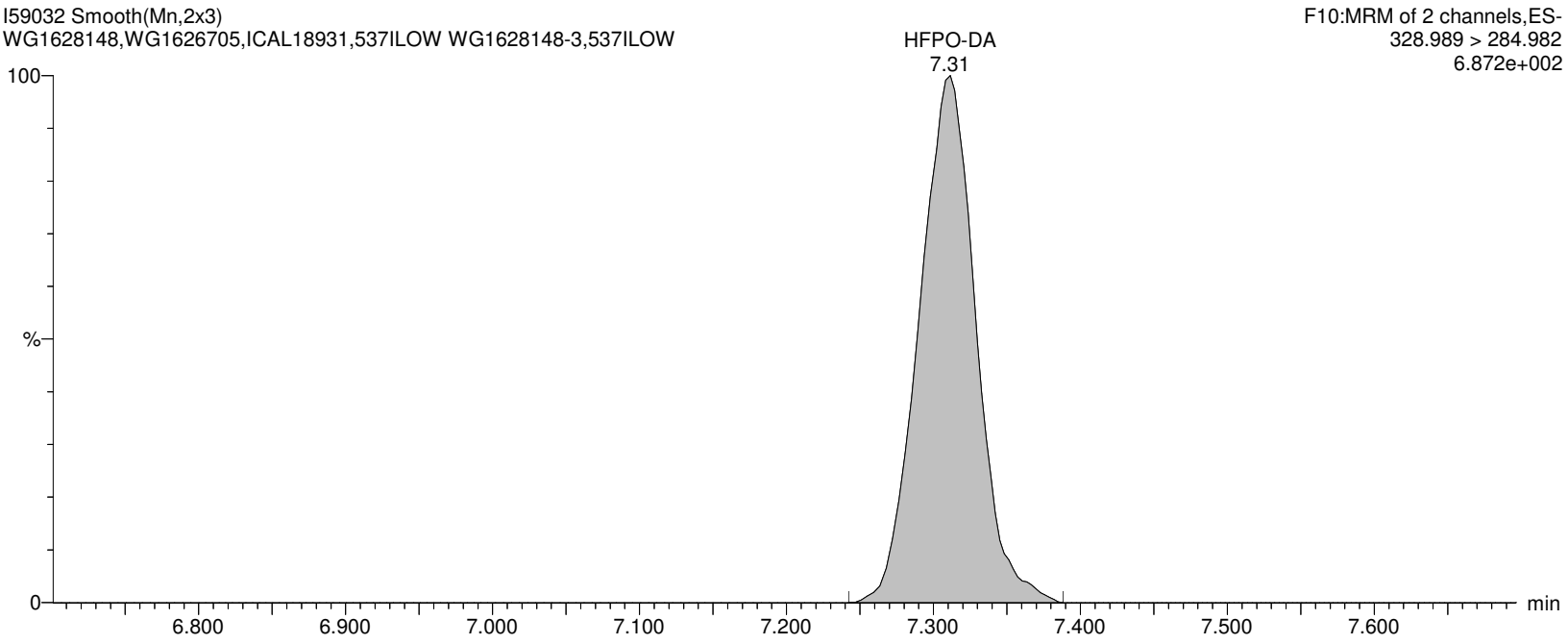
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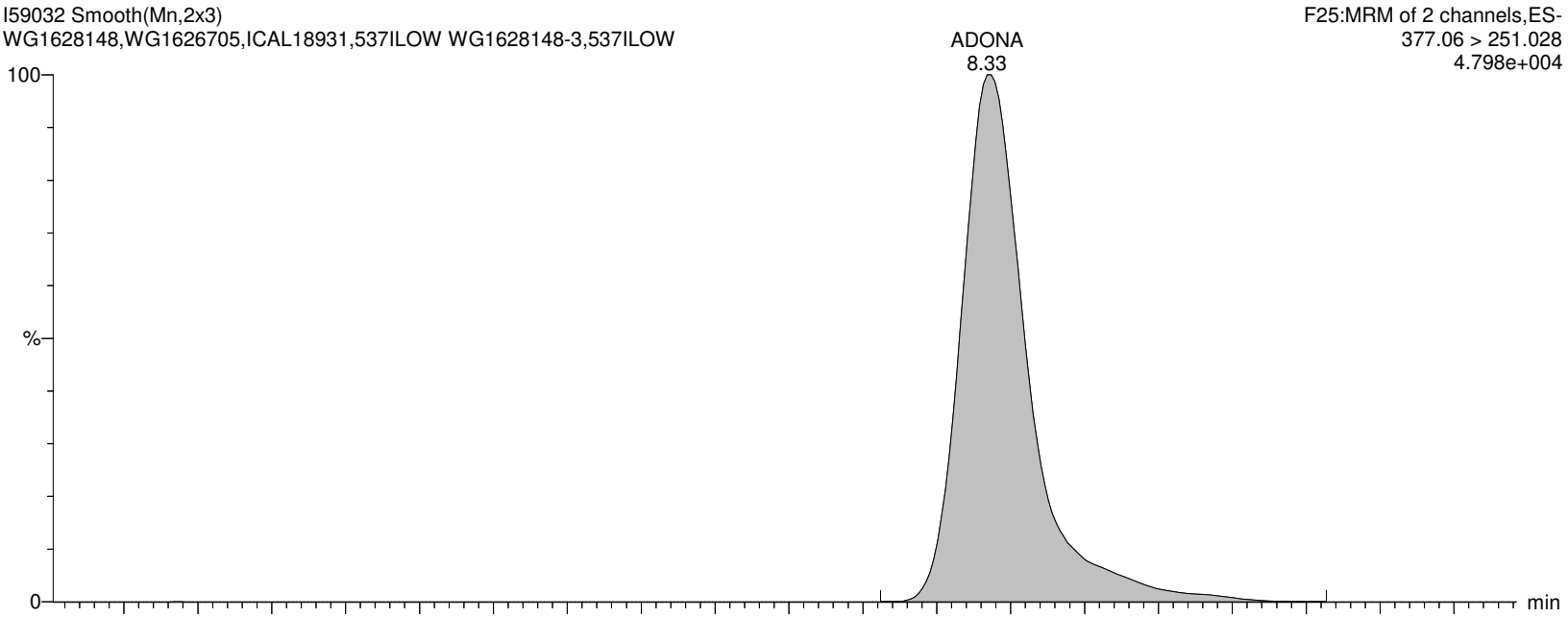


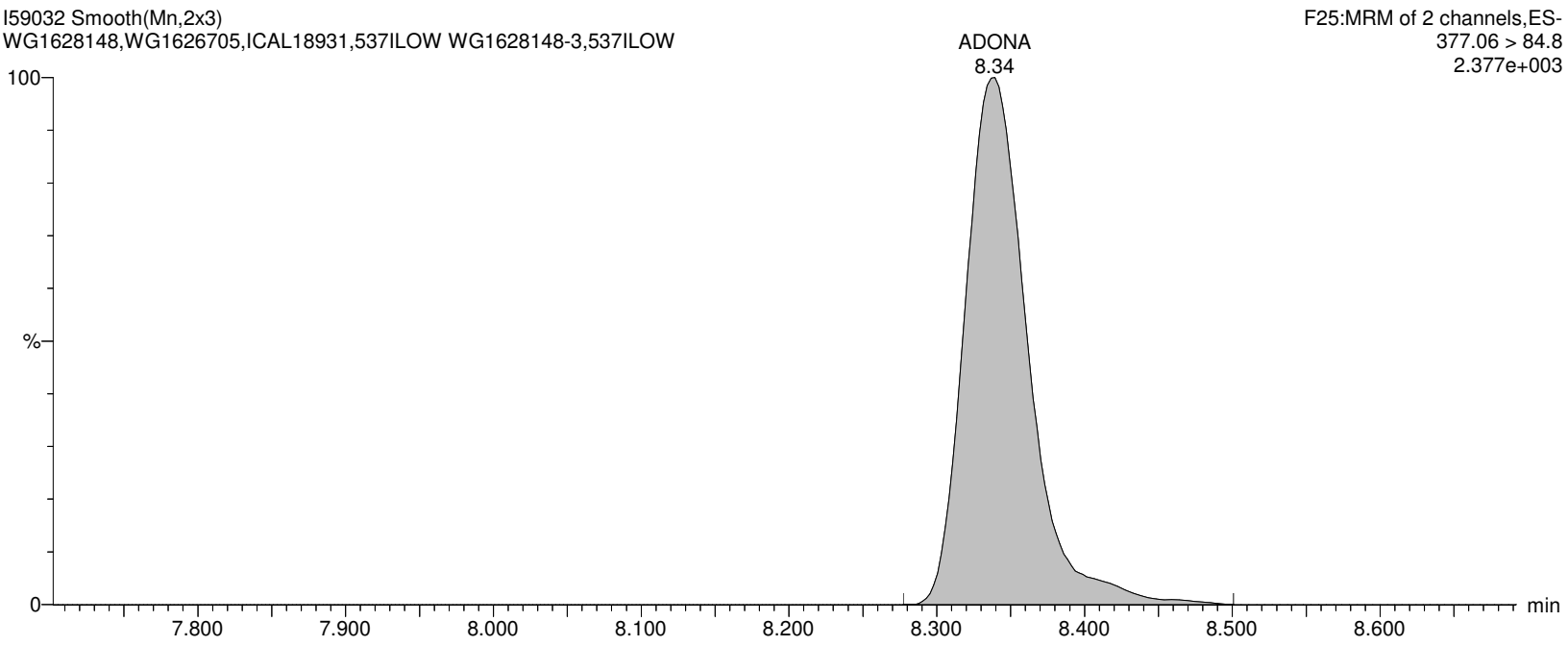
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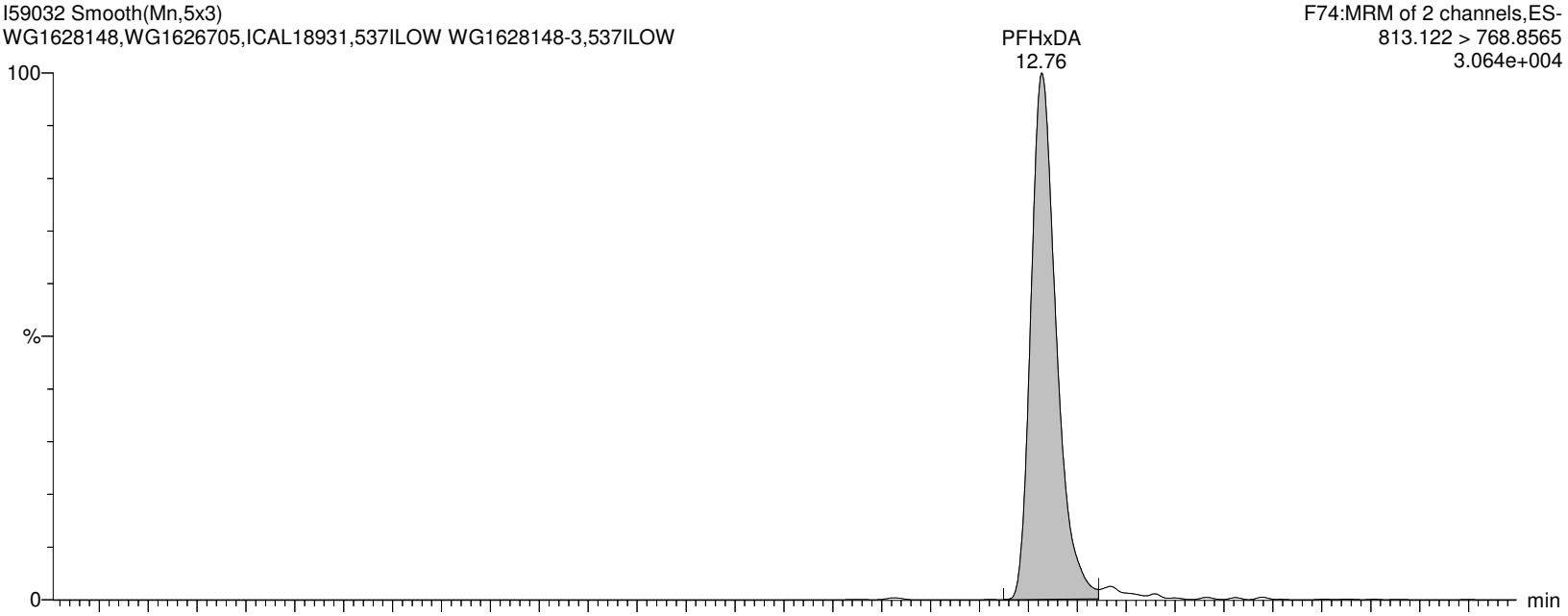


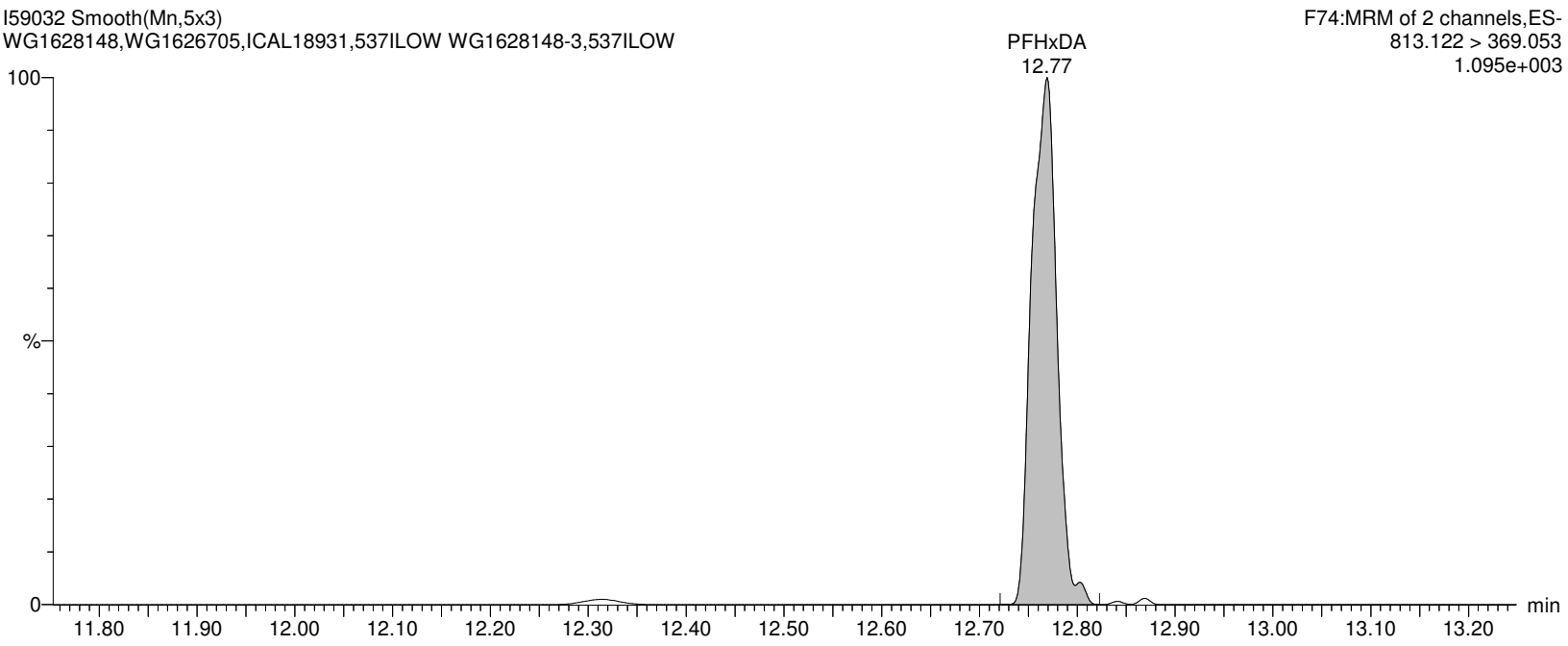
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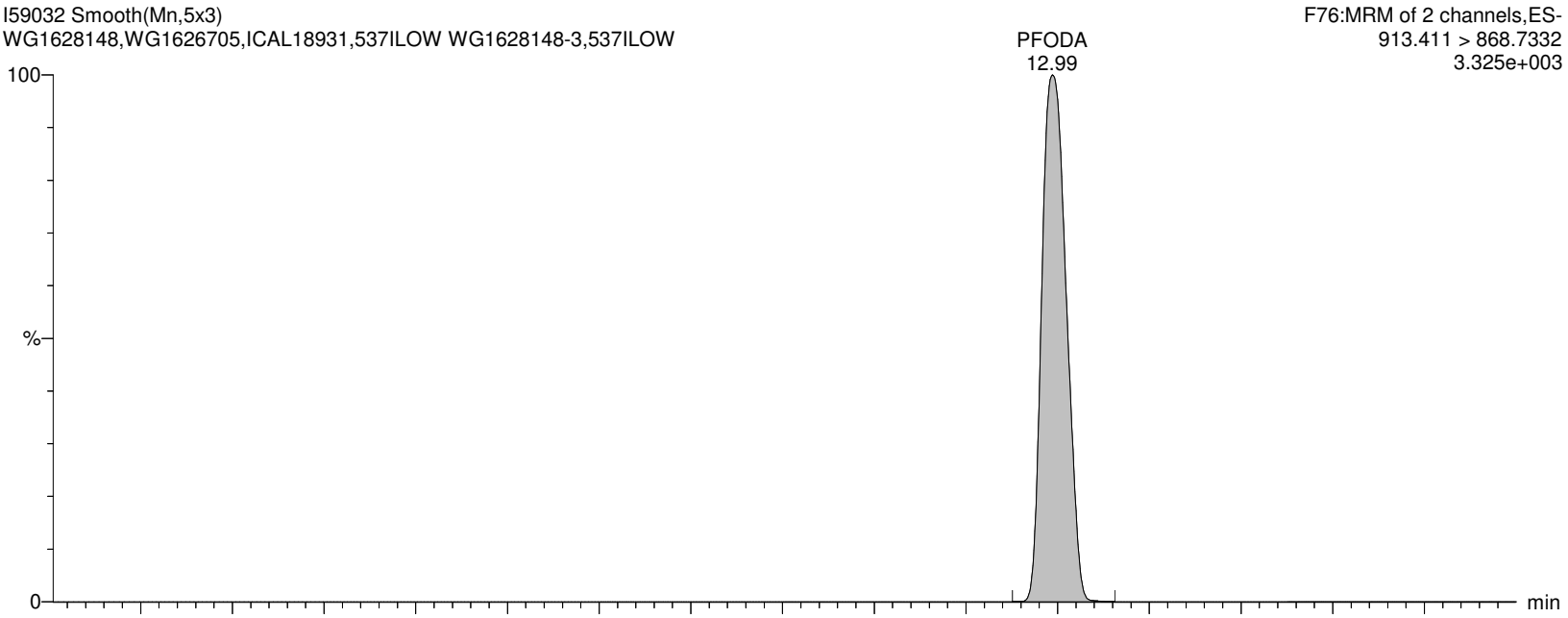


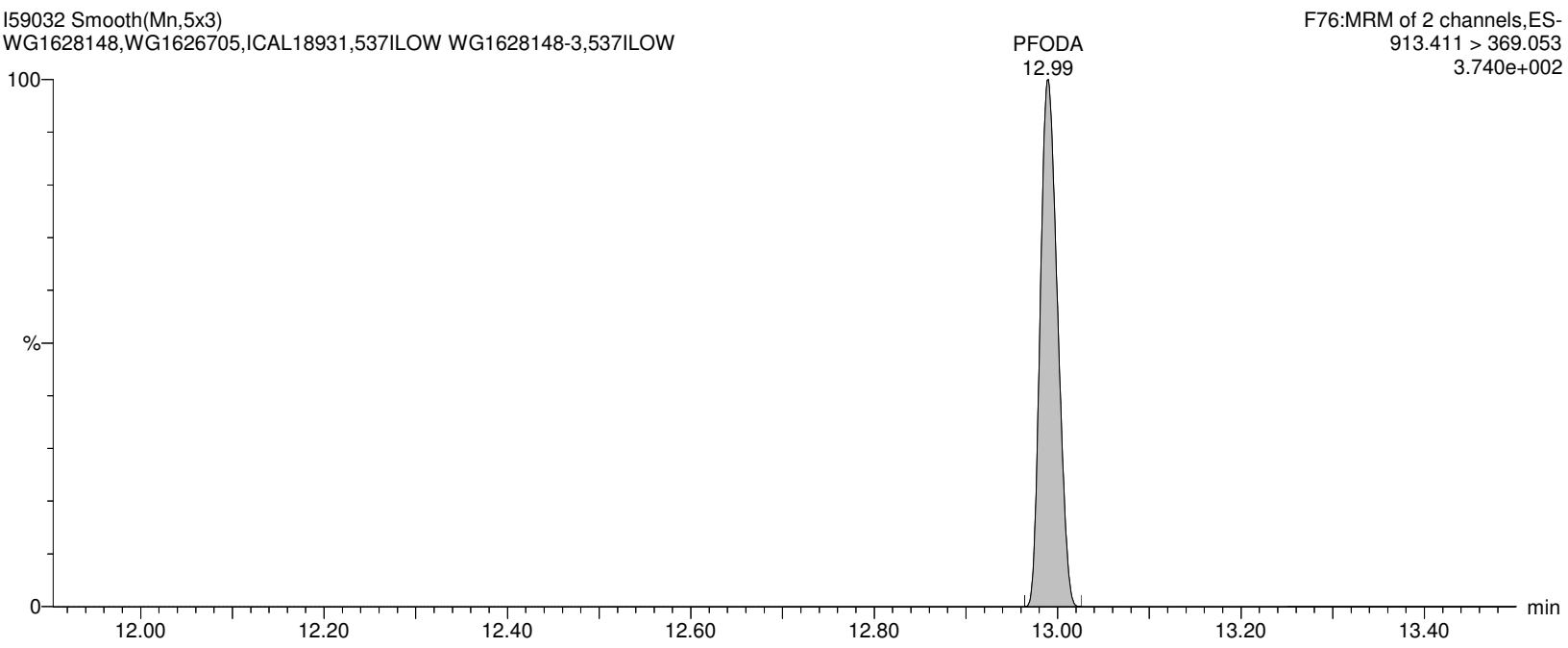
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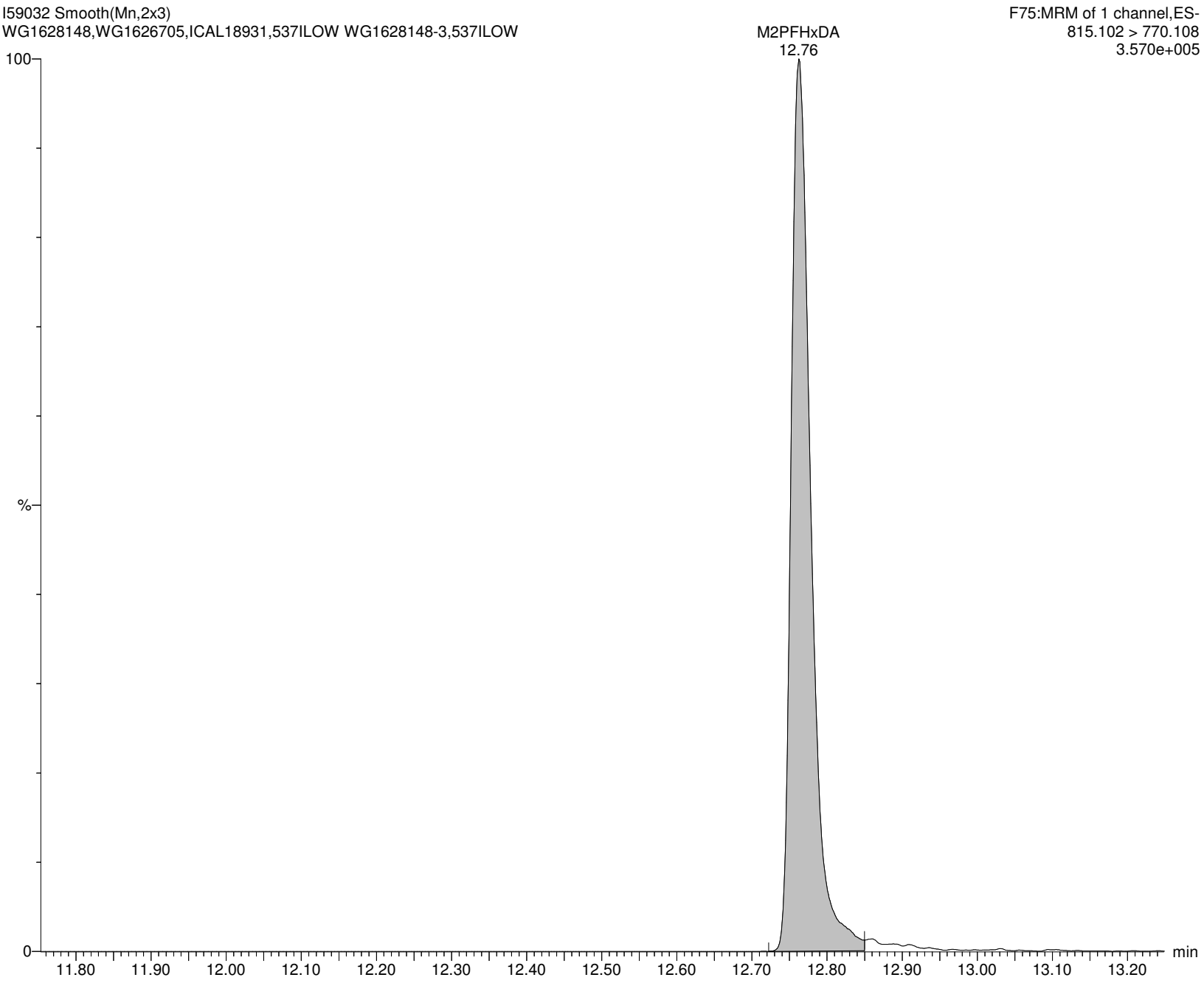


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Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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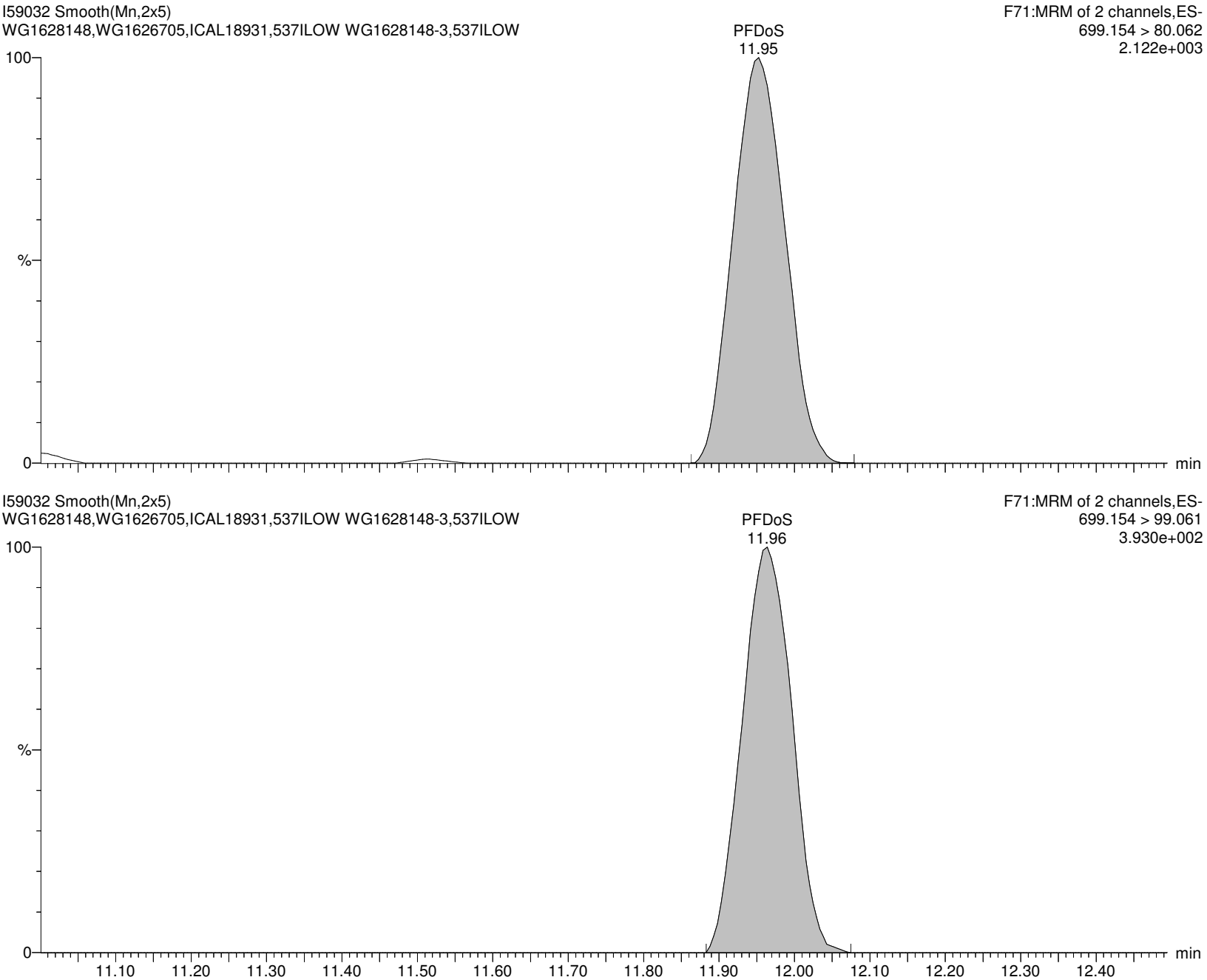


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:05:02 Eastern Daylight Time

Name: I59032
ID: WG1628148-3,537ILOW
Date: 18-Apr-2022
Time: 02:07:37
Description: WG1628148,WG1626705,ICAL18931,537ILOW
User: LCMS02:SG
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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PFDoS

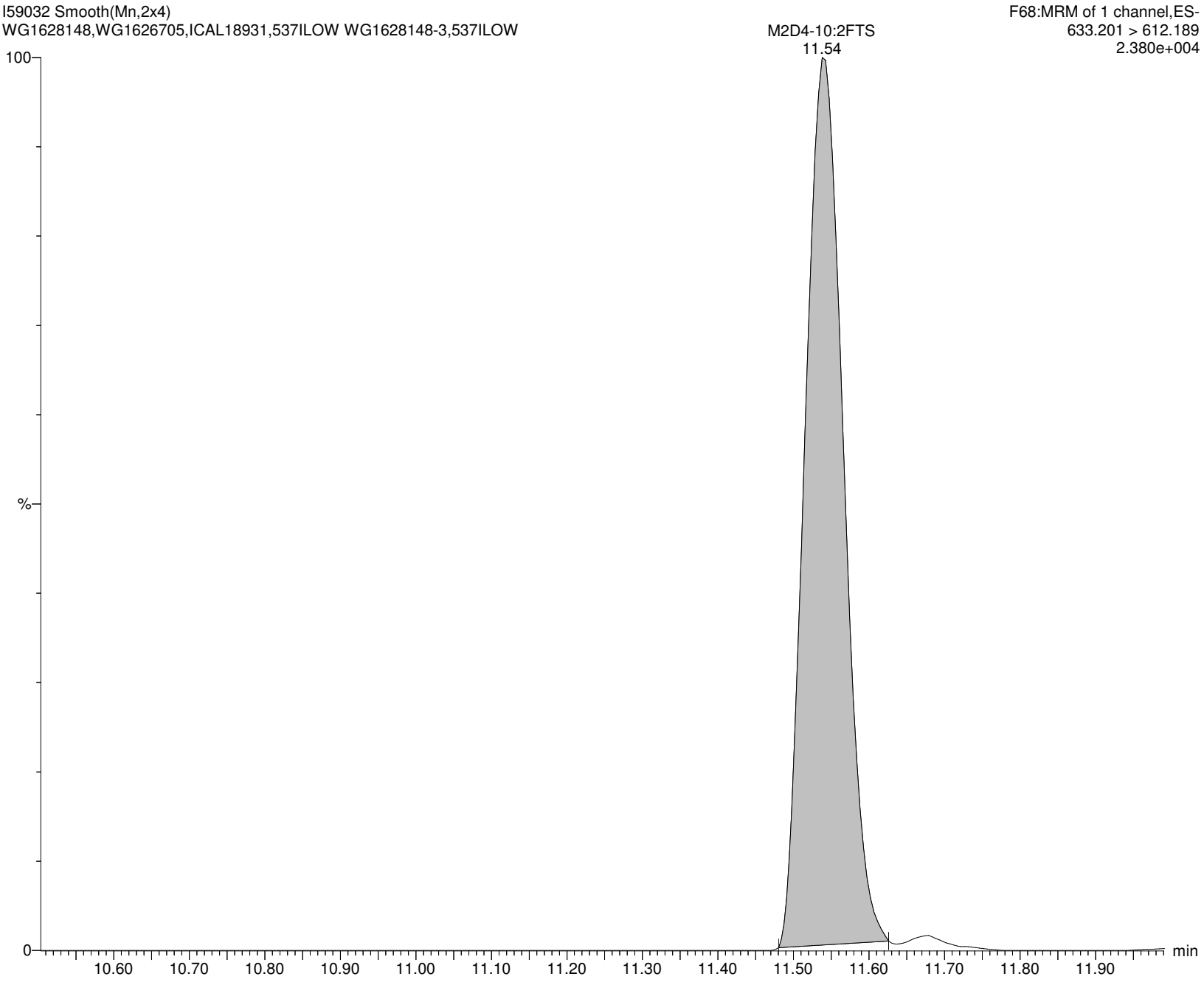


all concentration units in (ng/mL)

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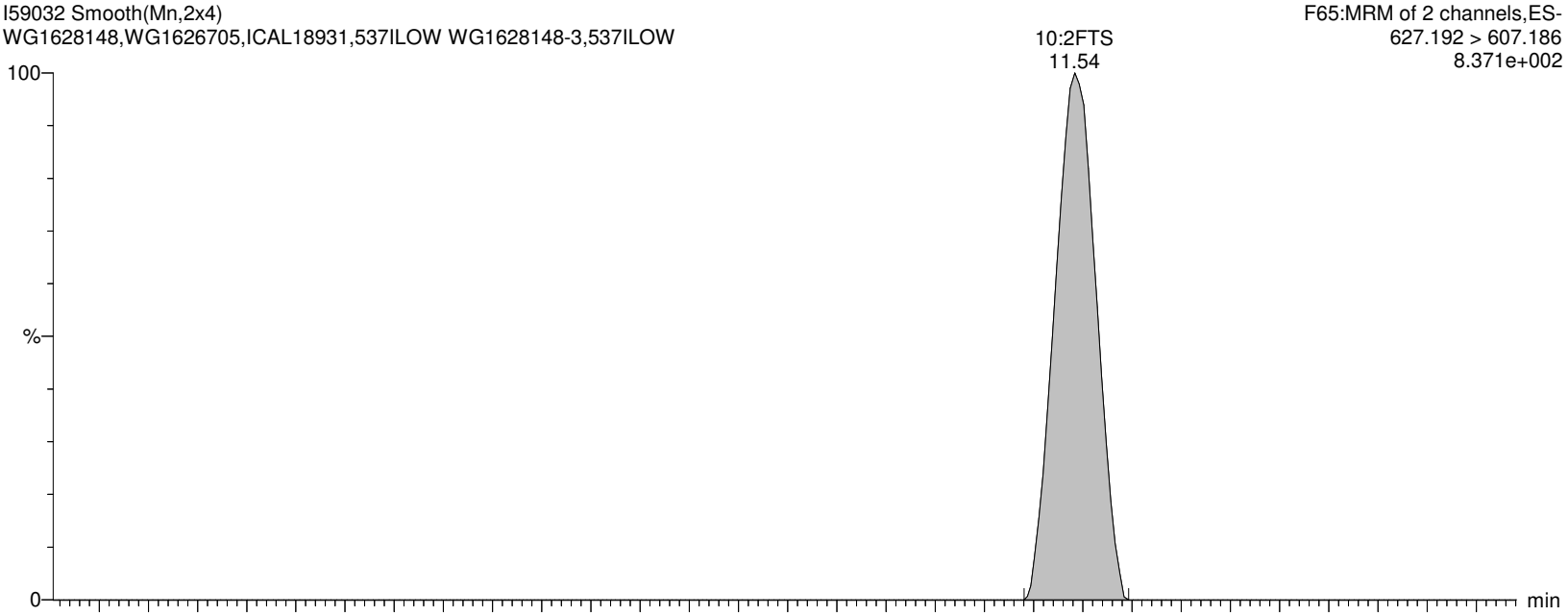


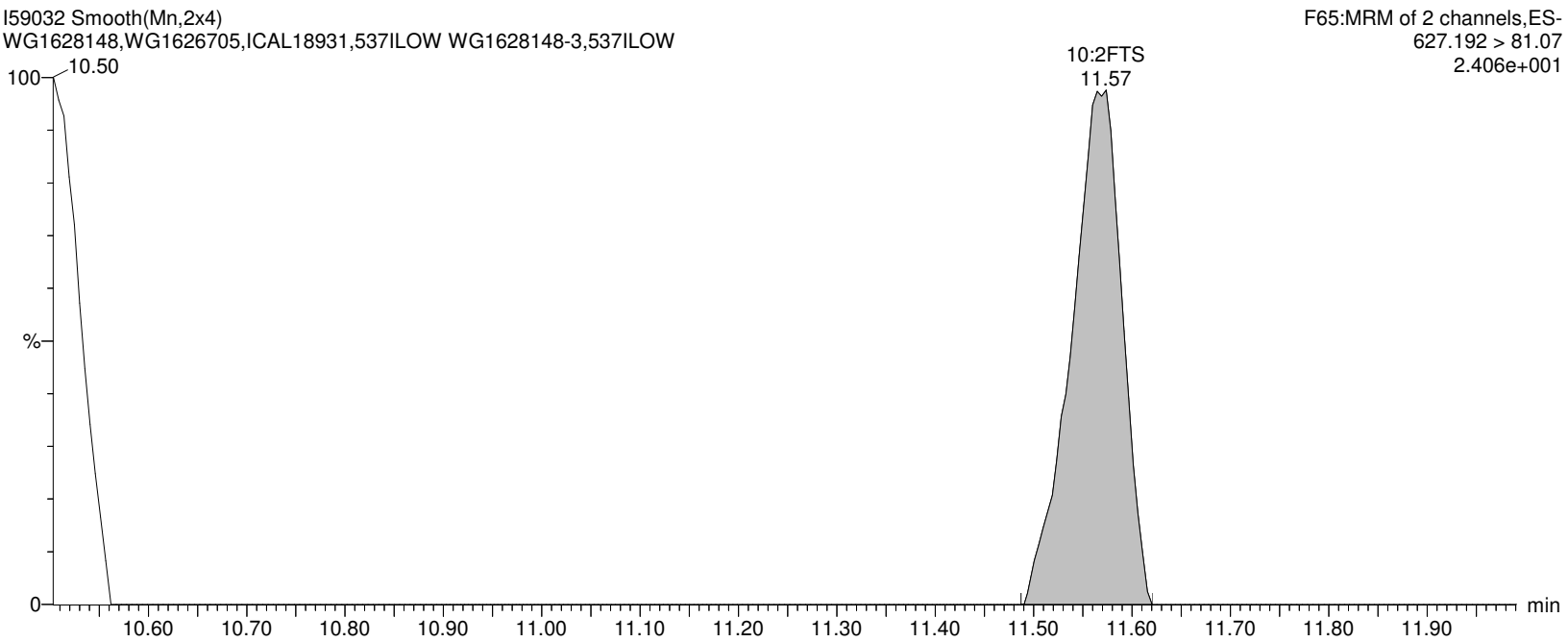
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10:2FTS



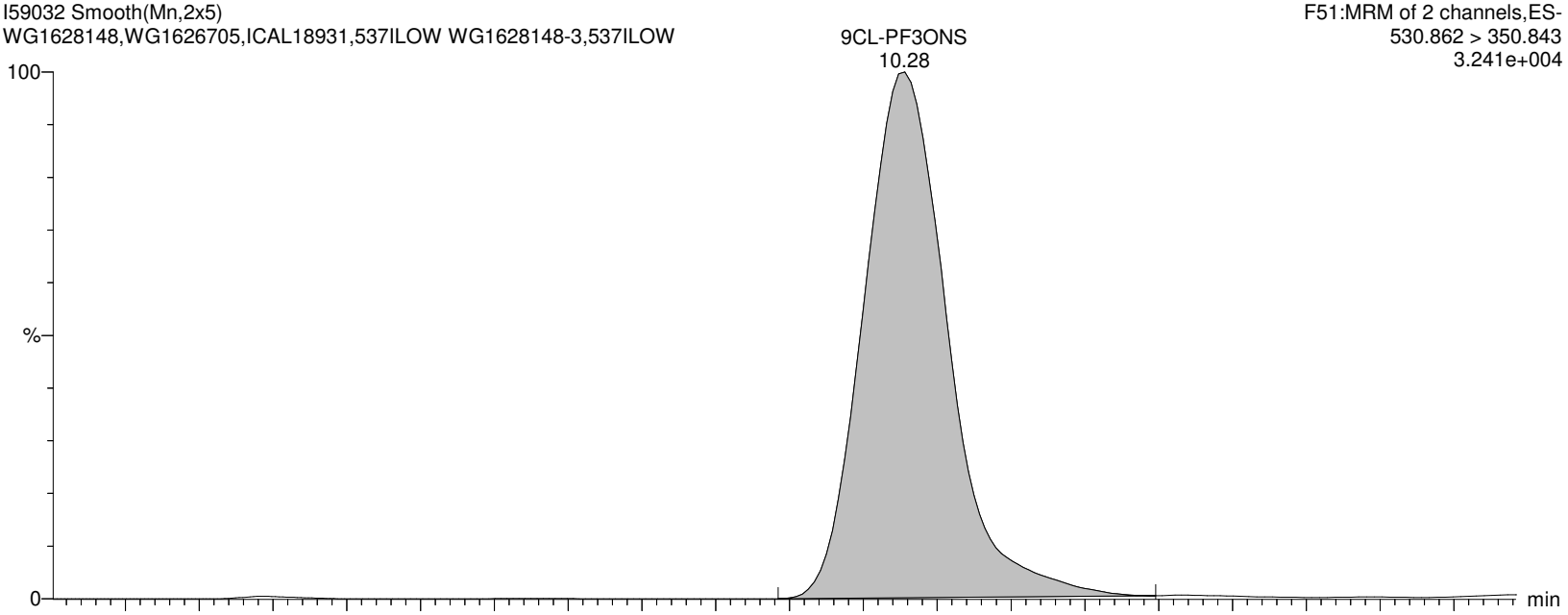


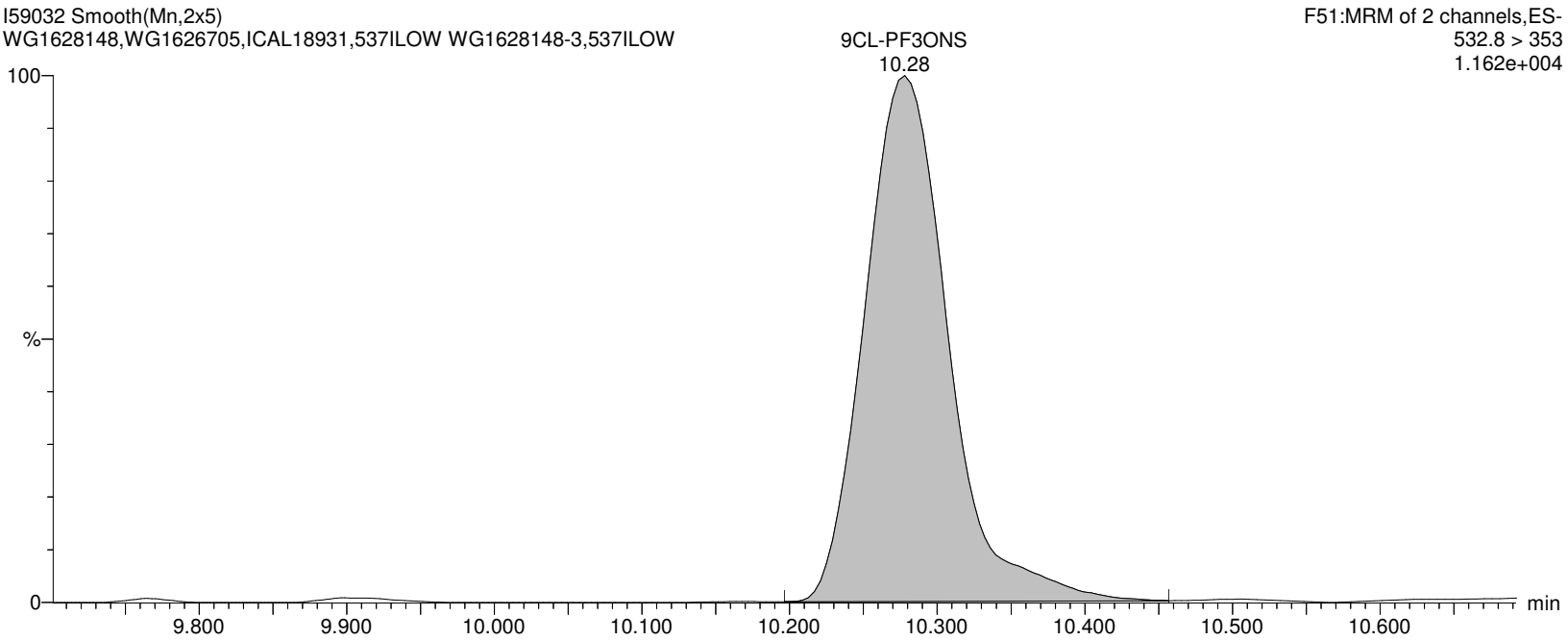
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9CL-PF3ONS



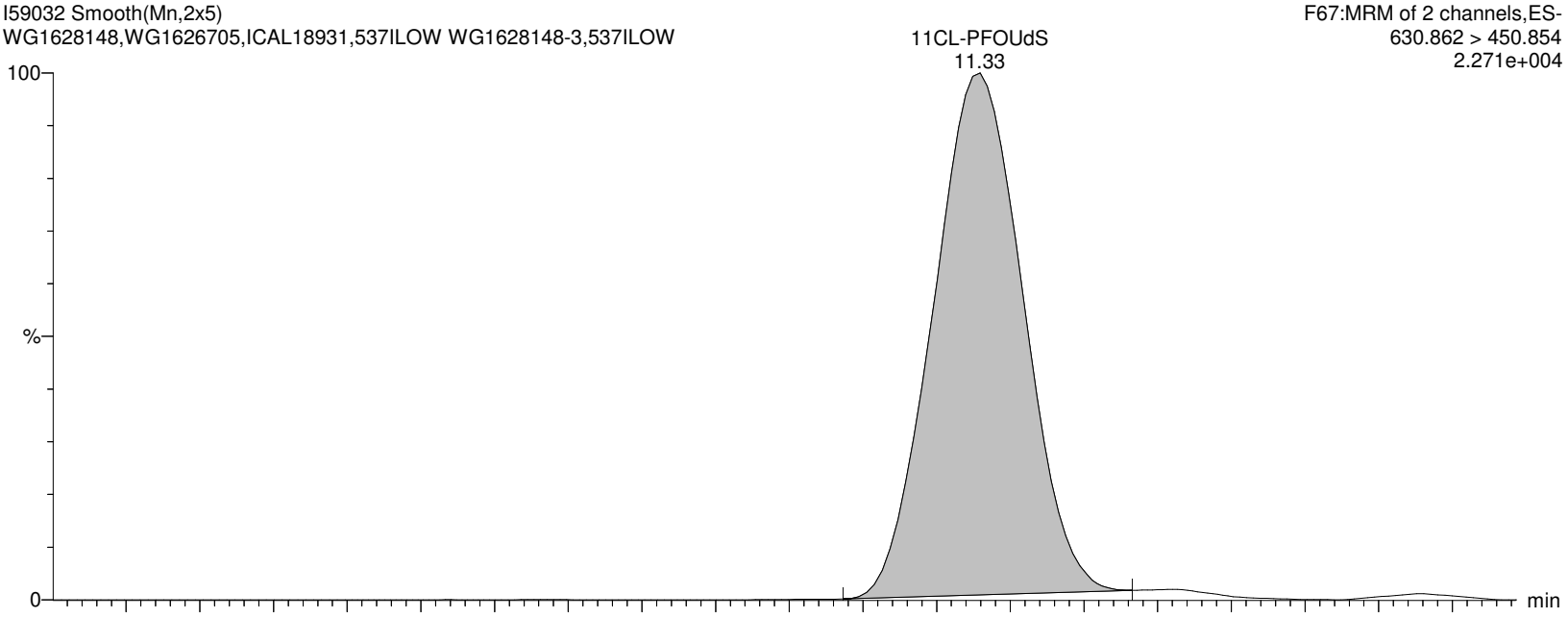


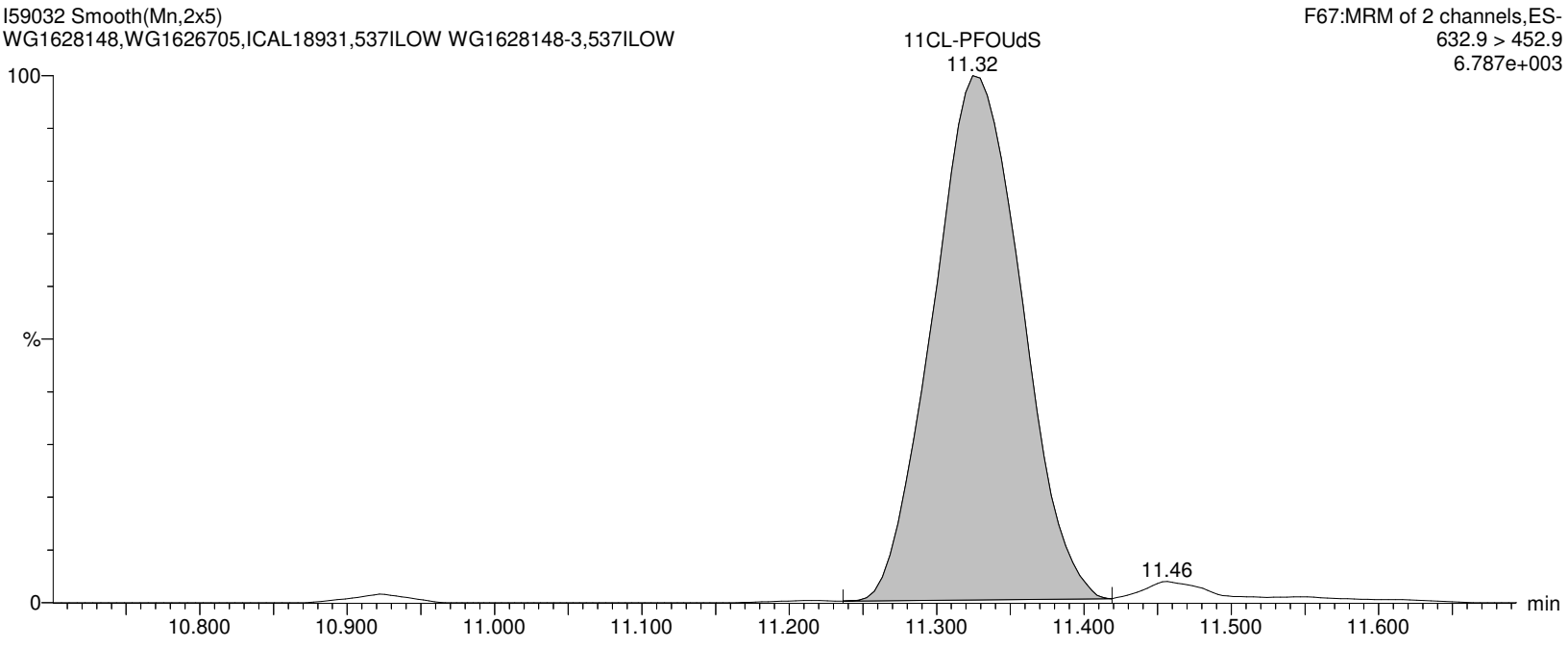
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11CL-PFOUdS





all concentration units in (ng/mL)

Semivolatiles Raw QC Data

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: WG1626705-1
Name: I59007
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		213.032 > 169.022			ND		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	30735		12.066		na	120.7
3	MPFBA	INT STD	2.12	217.001 > 171.999	35474		10.346		na	103.5
4	PFPeA	2706-90-3		263.039 > 219.03			ND		na	
5	M5PFPEA	INT STD	5.00	268.001 > 222.999	47469		11.271		na	112.7
6	PFBS	375-73-5		299.092 > 80.062			ND		YES	
7	M3PFBS	INT STD	5.65	302.069 > 80.062	8180		9.791		na	105.1
8	4:2FTS	757124-72-4		327.146 > 307.139			ND		YES	
9	M2-4:2FTS	INT STD	6.81	329.13 > 309.124	3386		9.081		na	96.8
10	PFHxA	307-24-4		313.047 > 269.037			ND		YES	
11	M5PFHxA	INT STD	6.89	318.009 > 273.007	54215		10.067		na	100.7
12	PFPeS	2706-91-4		349.1 > 80.062			ND		YES	
13	PFHpA	375-85-9		363.055 > 319.045			ND		YES	
14	M4PFHpA	INT STD	8.17	367.025 > 322.022	66034		10.246		na	102.5
15	br-PFHxS	355-46-4		399.107 > 80.062			ND		YES	
16	L-PFHxS	355-46-4		399.107 > 80.062			ND		YES	
17	PFHxS	355-46-4		399.107 > 80.062	0		ND		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	7840		10.006		na	105.6
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	351	M4,M7	0.038	11.81	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	351		0.038		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	93705		10.777		na	107.8
23	M2PFOA	INT STD	9.12	414.828 > 369.935	80378		12.325		na	123.3
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	26	M4,M7	0.081	2.71	NO	
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	3058		9.123		na	95.9
26	PFHpS	375-92-8		449.115 > 80.062			ND		YES	
27	PFNA	375-95-1		462.8510 > 418.951			ND		YES	
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	86054		10.598		na	106.0
29	br-PFOS	1763-23-1	9.75	498.9030 > 79.9520	0	M5,M7	0.000	0.16	YES	
30	L-PFOS	1763-23-1	9.94	498.9030 > 79.9520	99		0.105	1.25	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	100		0.105		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	7968		12.214		na	122.1
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	10571		10.314		na	107.6
34	PFDA	335-76-2		512.8580 > 468.9590			ND		YES	
35	M2PFDA	INT STD	10.51	514.8332 > 469.8243	69897		13.021		na	130.2
36	M6PFDA	INT STD	10.51	518.6490 > 473.8794	87122		10.449		na	104.5
37	8:2FTS	39108-34-4		526.6490 > 506.7500			ND		YES	
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	1972		8.826		na	91.9
39	PFNS	68259-12-1		549.131 > 80.062			ND		YES	

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

ID: WG1626705-1
Name: I59007
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2817		8.162		na	81.6
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.5852 >518.8544			ND		YES	
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	50121		10.105		na	101.1
46	PFDS	335-77-3		599.139 > 80.062			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.91	506.077 > 78.07	9359		4.017		na	40.2
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2401		8.340		na	83.4
53	PFDoA	307-55-1		613.094 > 569.084			ND		YES	
54	MPFDOA	INT STD	11.55	615.079 > 570.077	29643		9.407		na	94.1
55	PFTrDA	72629-94-8		663.102 > 619.092			ND		YES	
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	80	M7	0.017	17.48	YES	
57	M2PFTEDA	INT STD	12.34	714.5214 > 669.7984	68854		10.346		na	103.5
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	8294		237.023		na	118.5
59	HFPO-DA	13252-13-6		285.035 > 169.022			ND		YES	
60	ADONA	958445-44-8		377.06 > 251.028			ND		YES	
61	PFHxDA		12.76	813.122 > 768.8565	335		0.267	19.72	NO	
62	PFODA			913.411 > 868.7332			ND		YES	
63	M2PFHxDA		12.76	815.102 > 770.108	11190		9.902		na	99.0

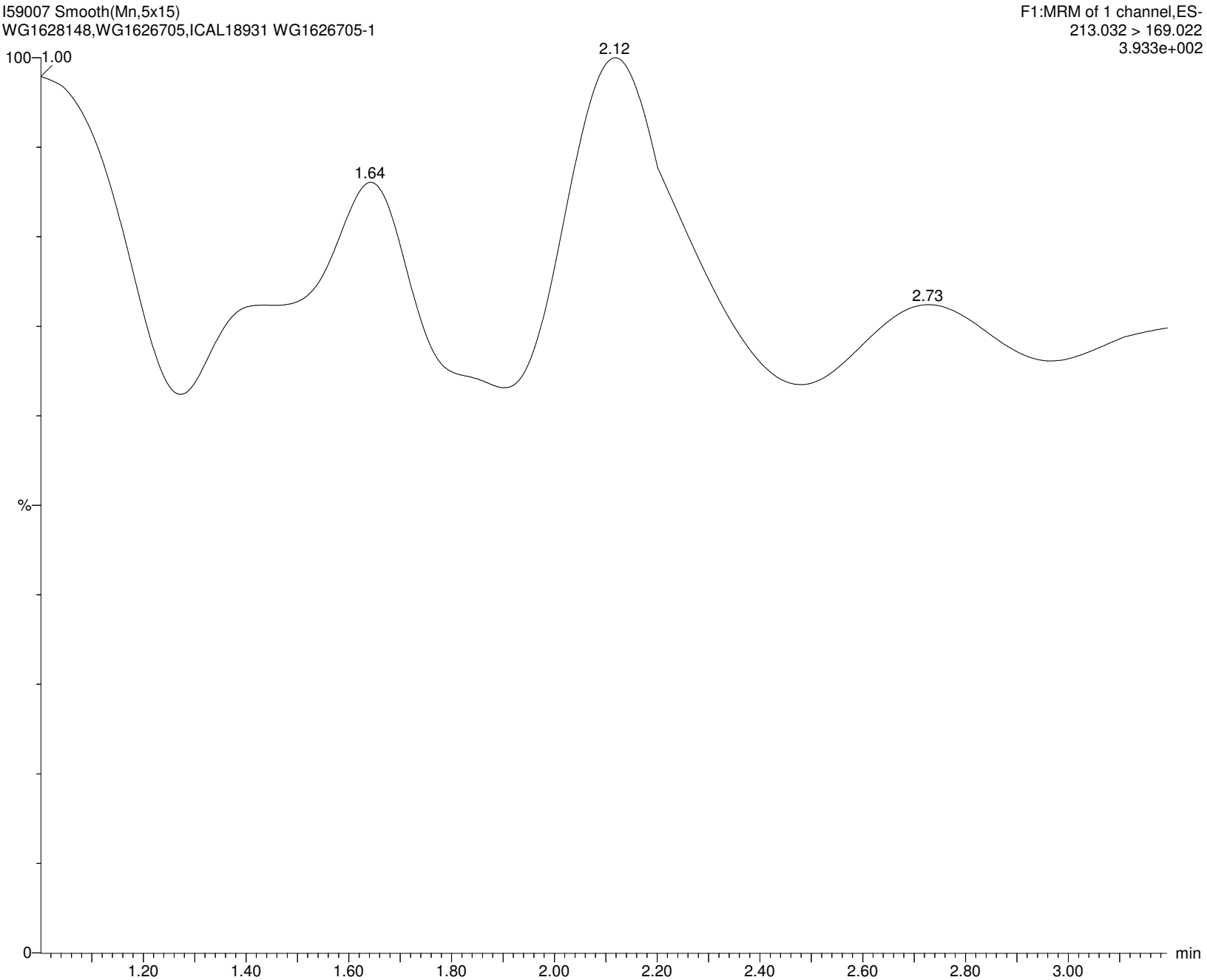
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Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

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Date: 17-Apr-2022
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User: LCMS02:SG
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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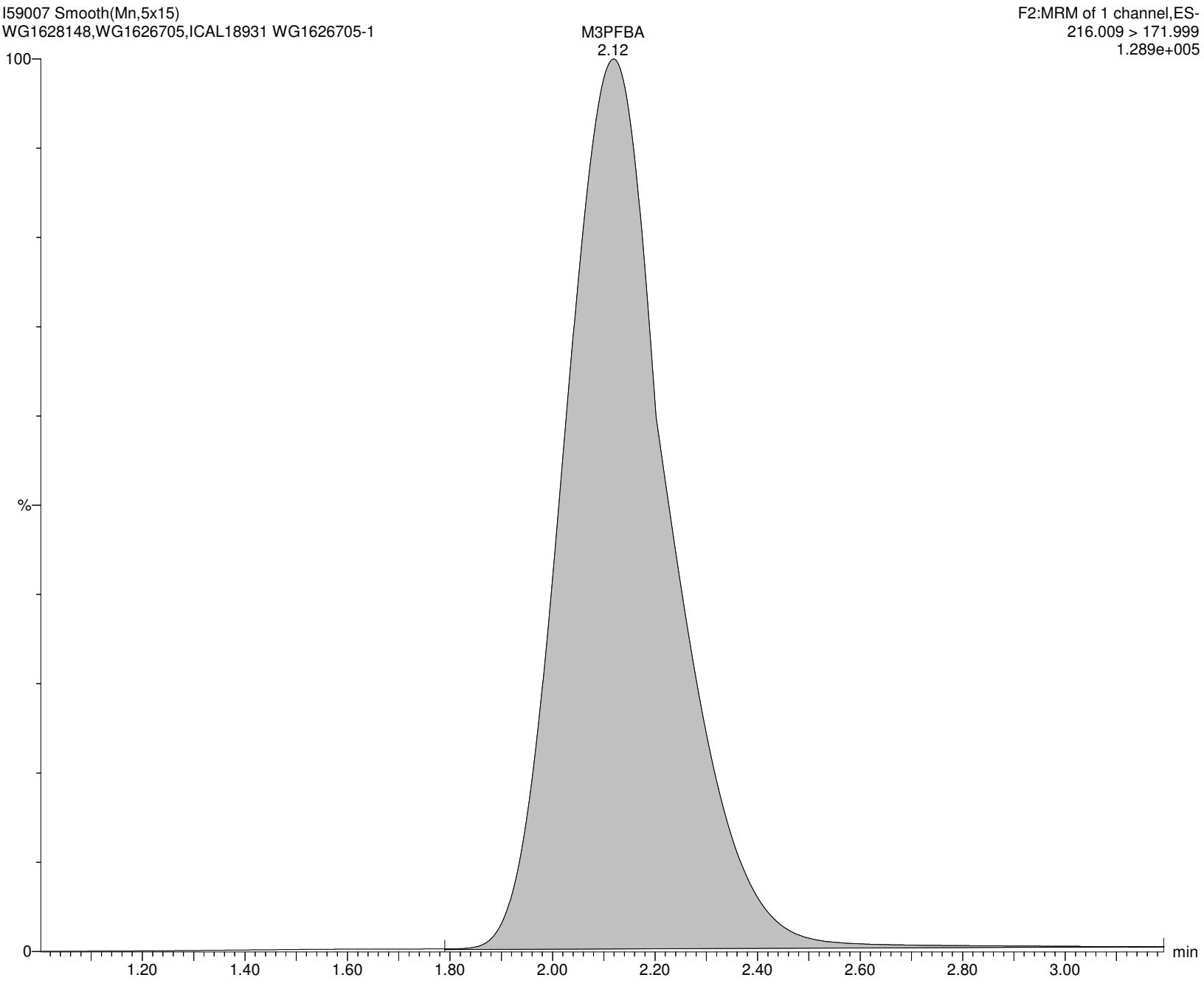


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M3PFBA

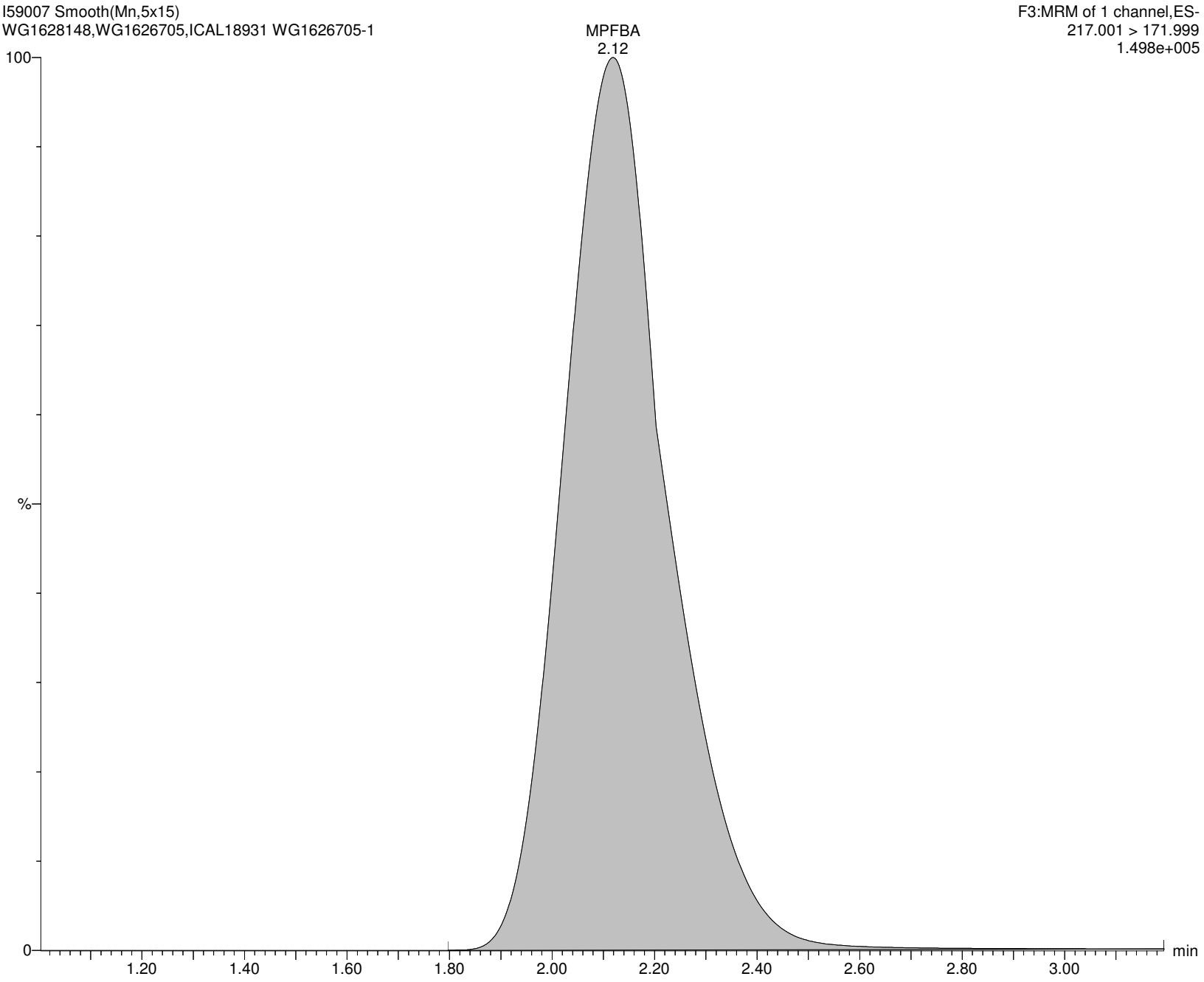


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MPFBA

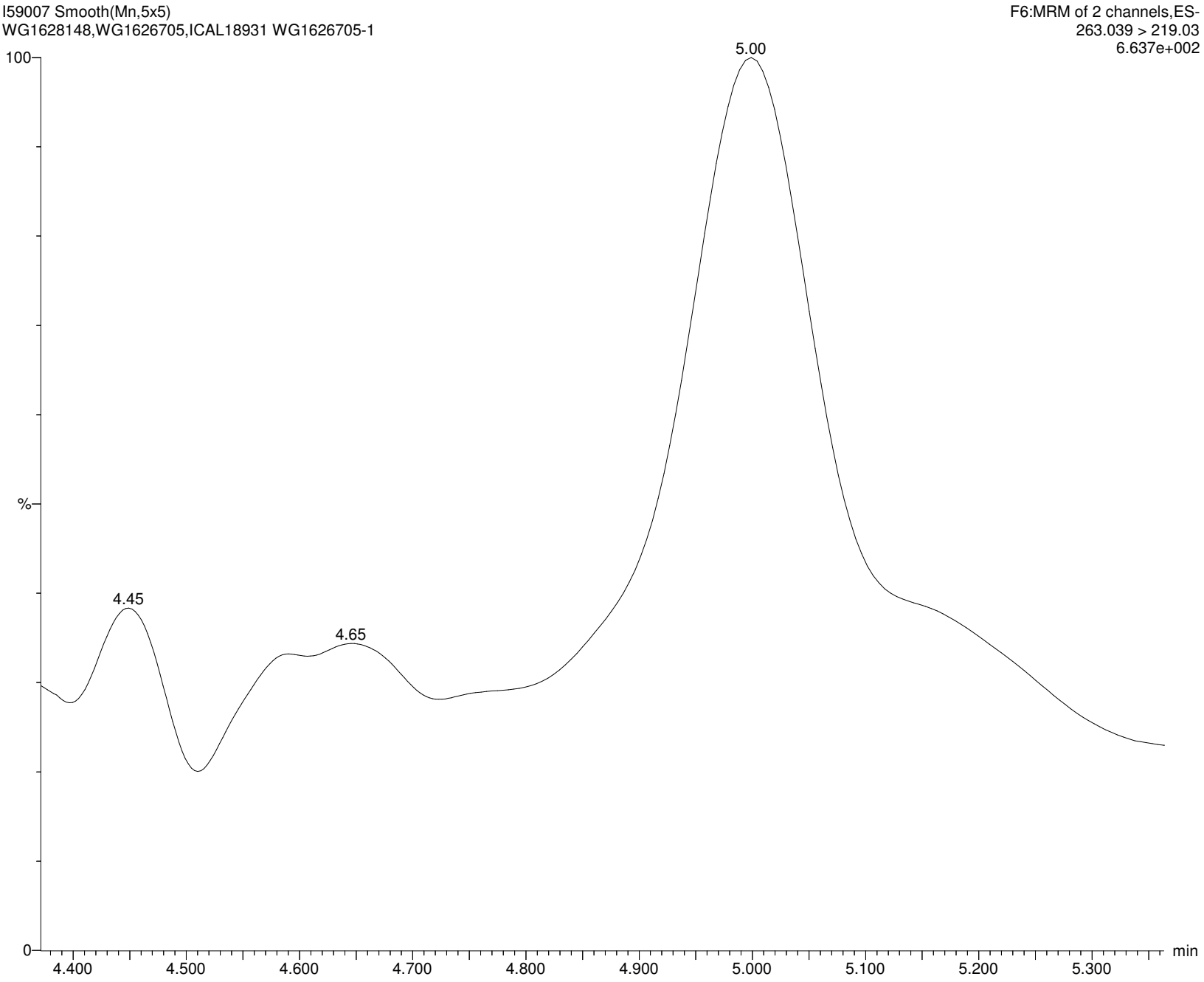


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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFPeA

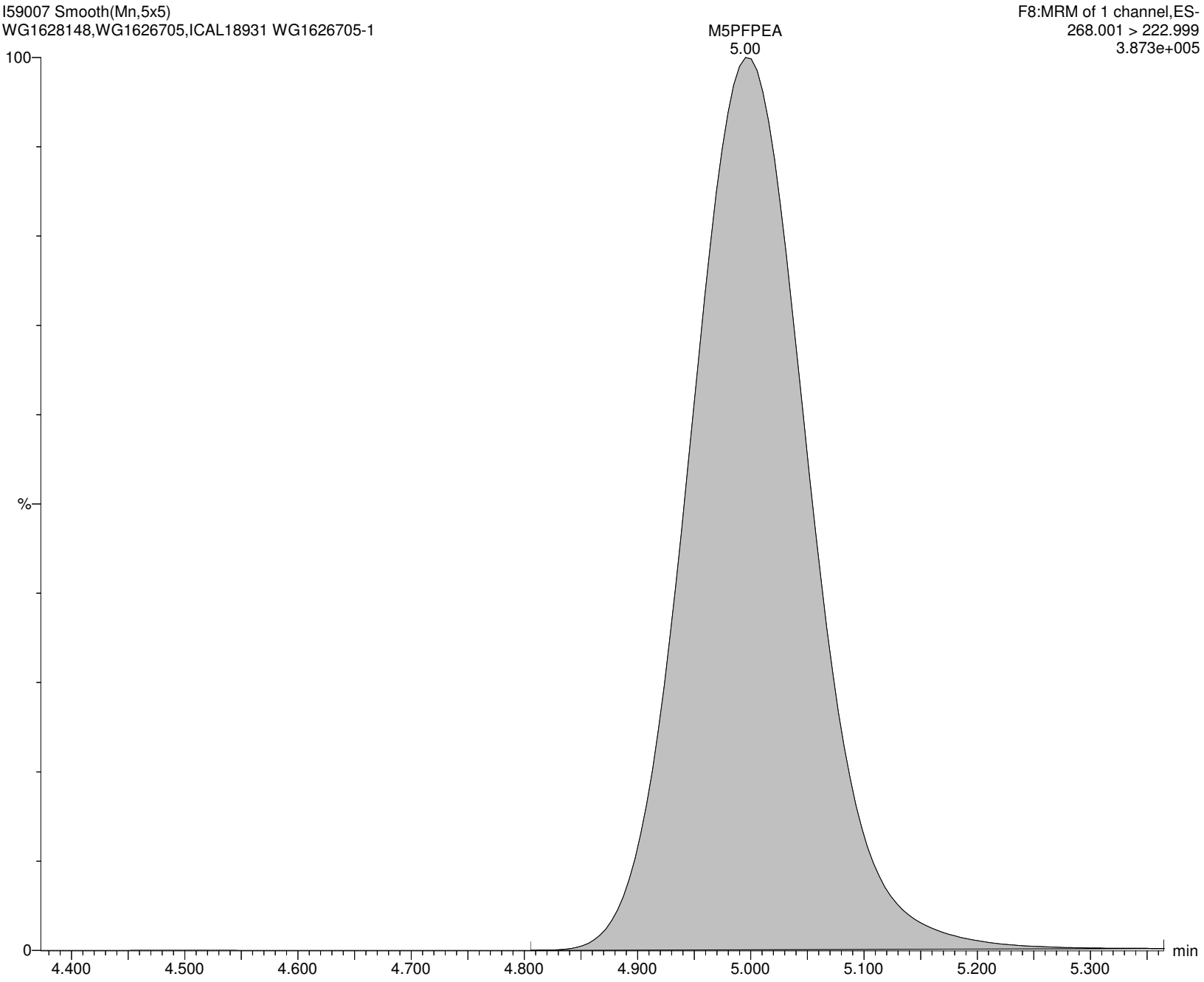


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Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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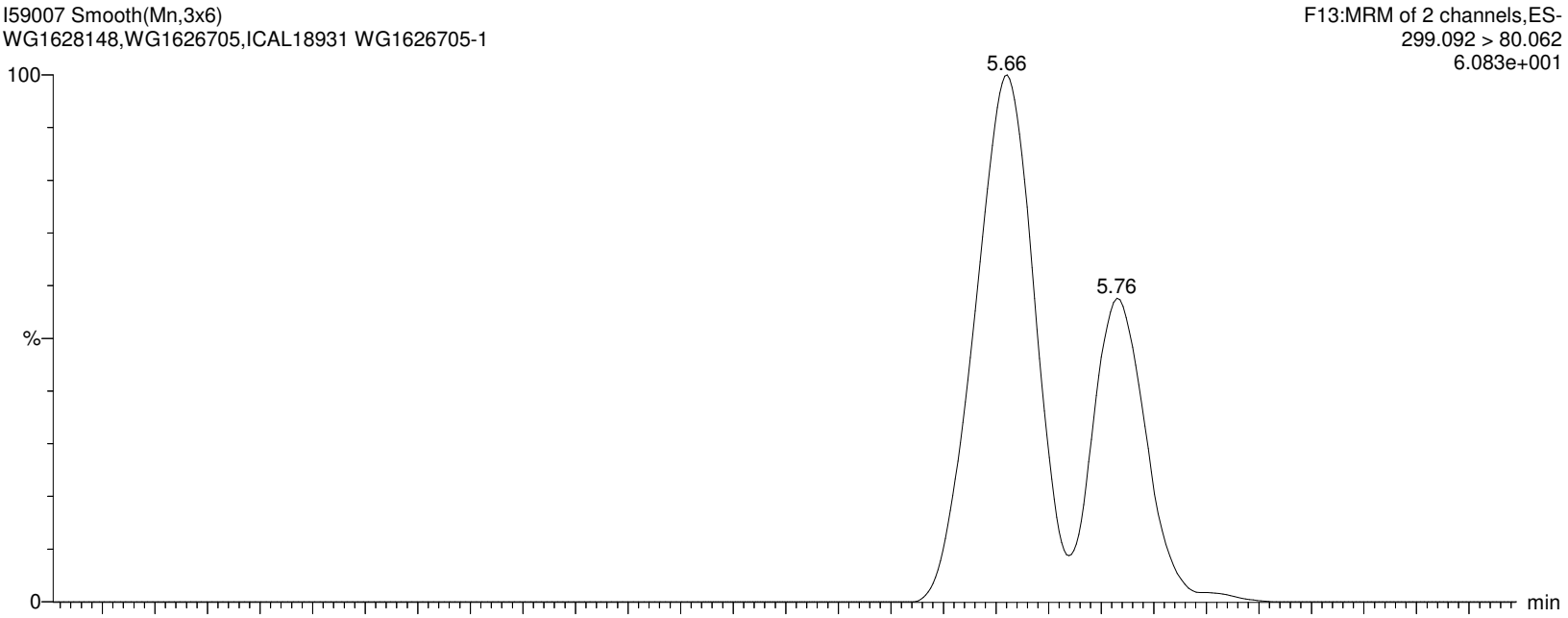


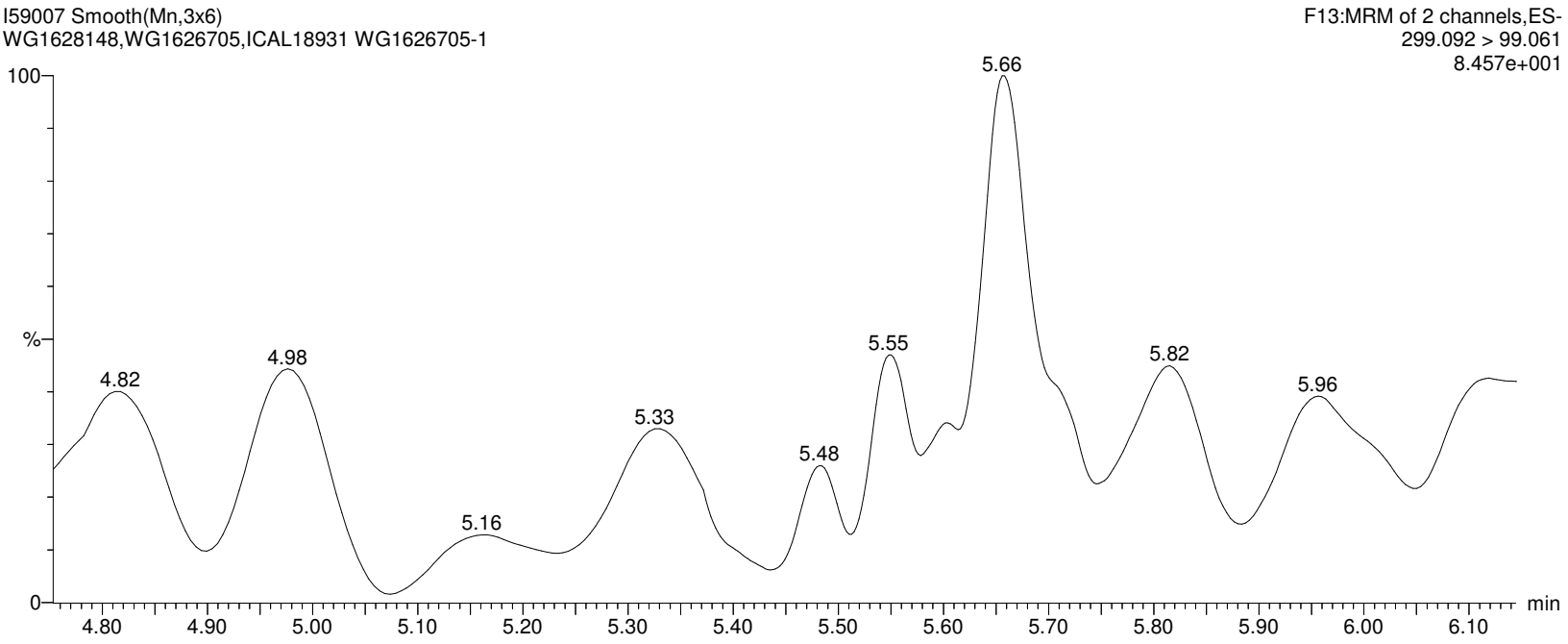
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

Name: I59007
ID: WG1626705-1
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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PFBS



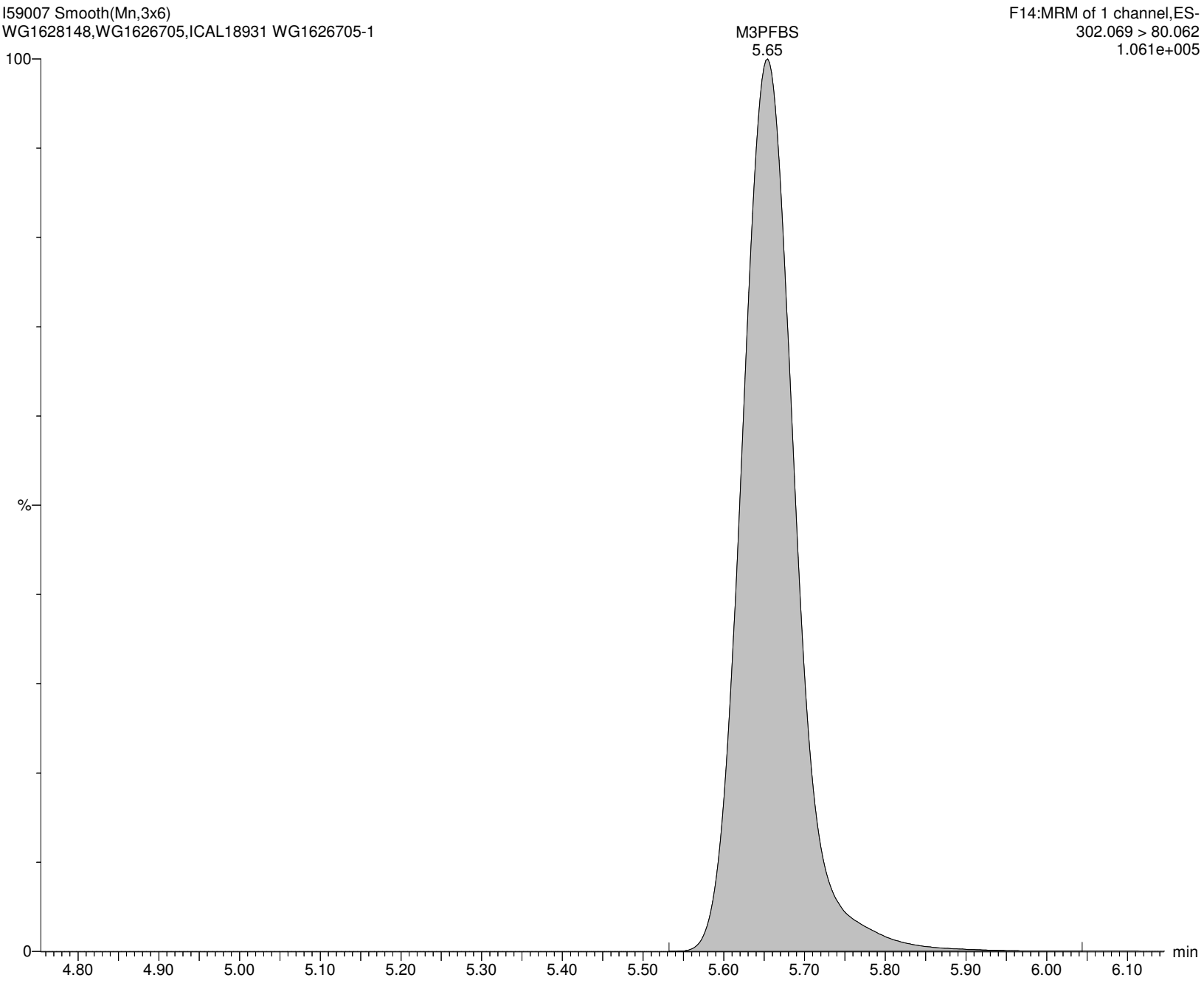


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Date: 17-Apr-2022
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Description: WG1628148,WG1626705,ICAL18931
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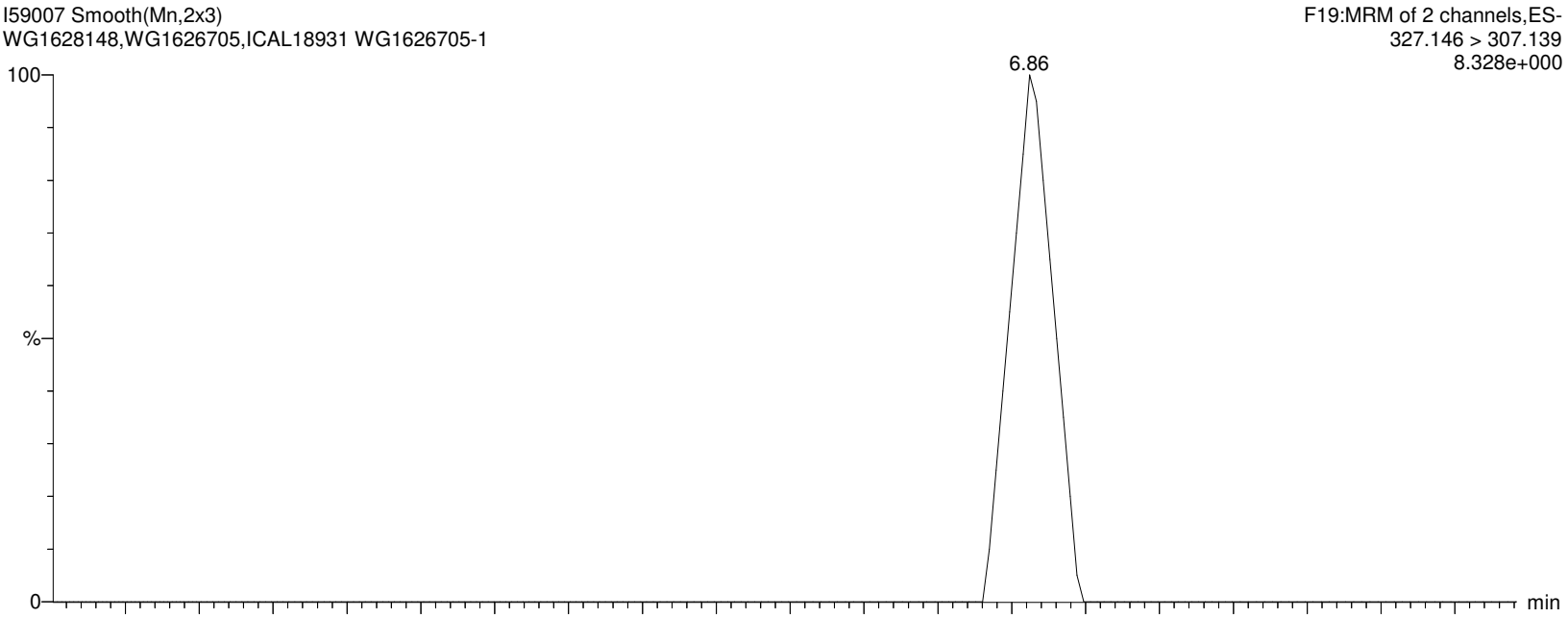


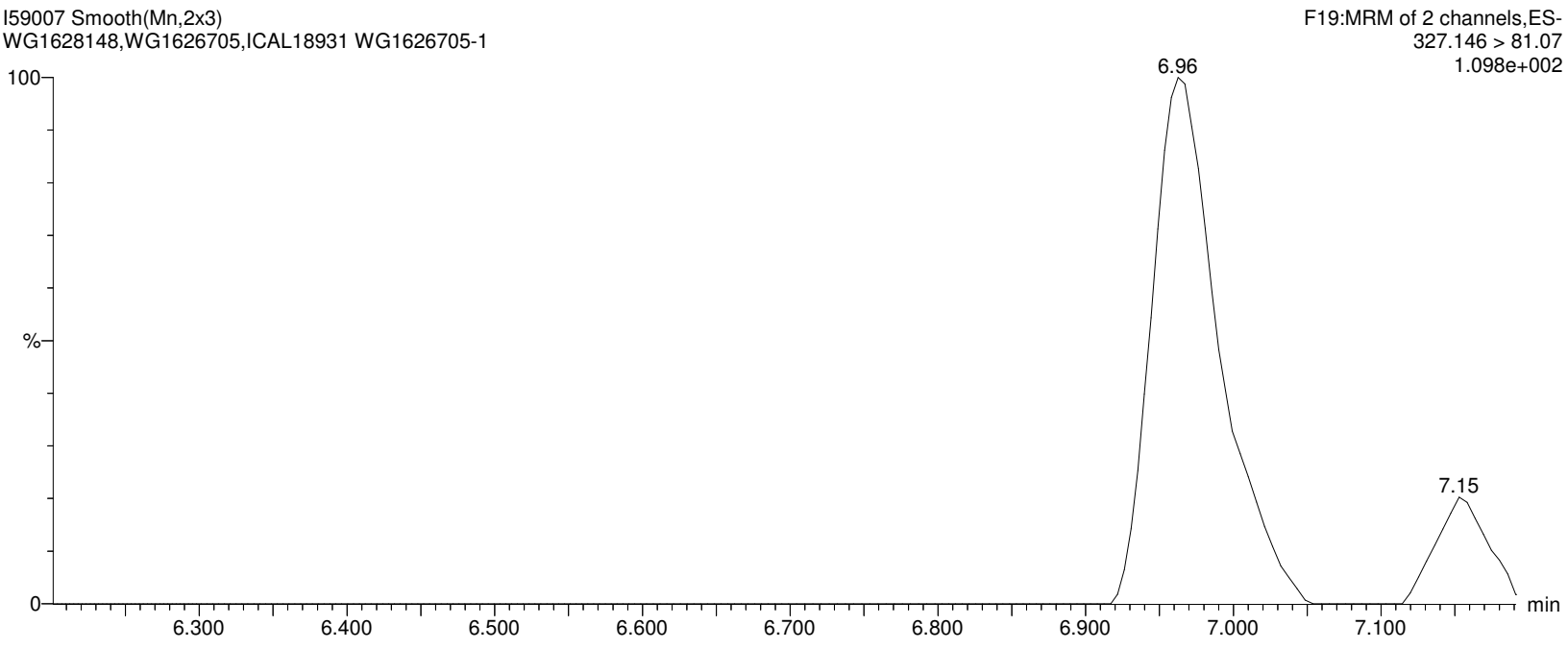
all concentration units in (ng/mL)

Alpha Analytical Inc.
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4:2FTS



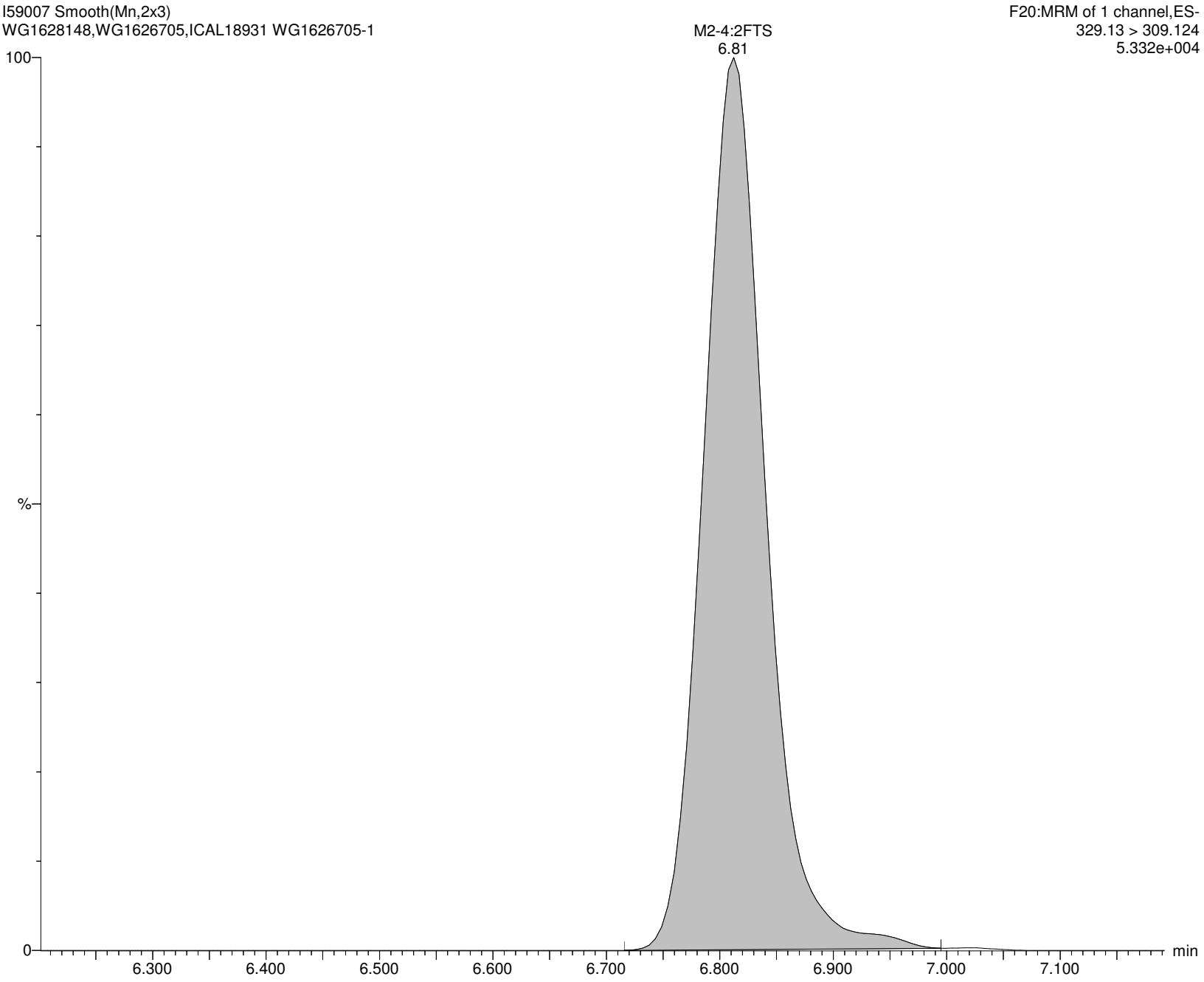


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Vial: 1:B,1
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M2-4:2FTS

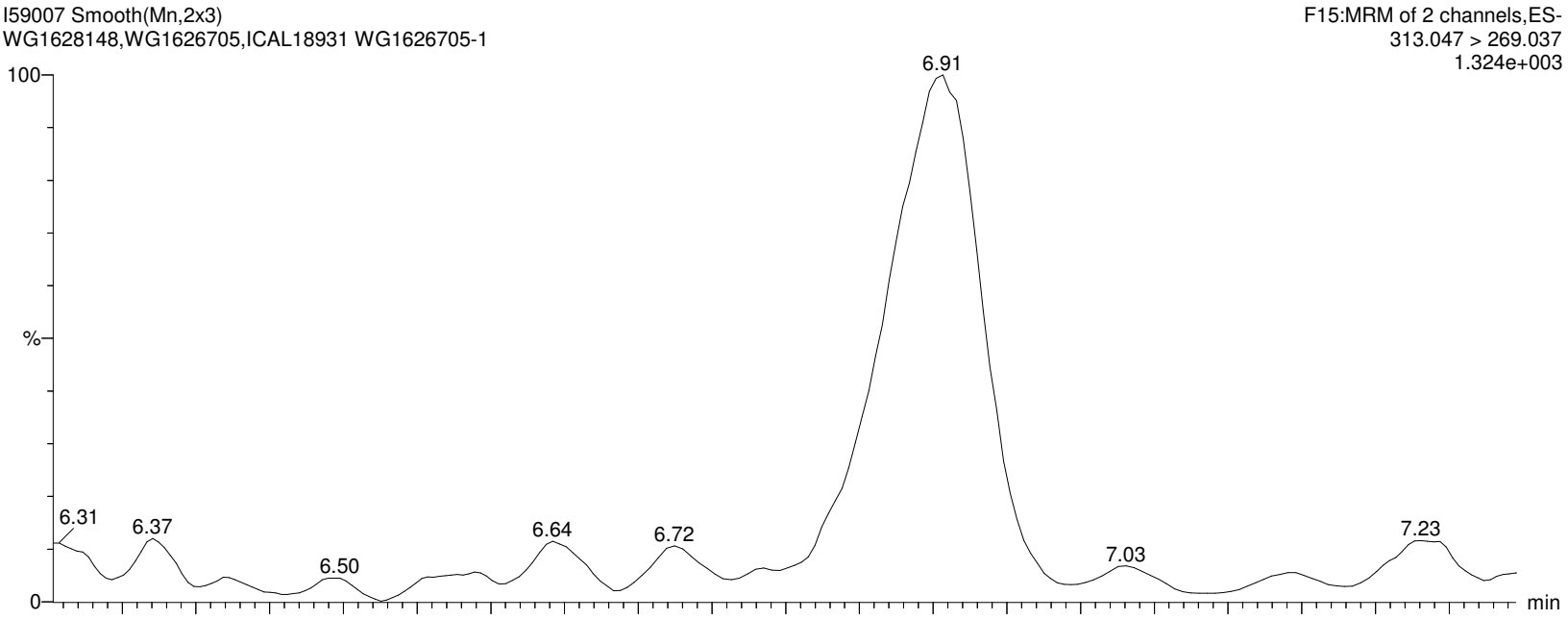


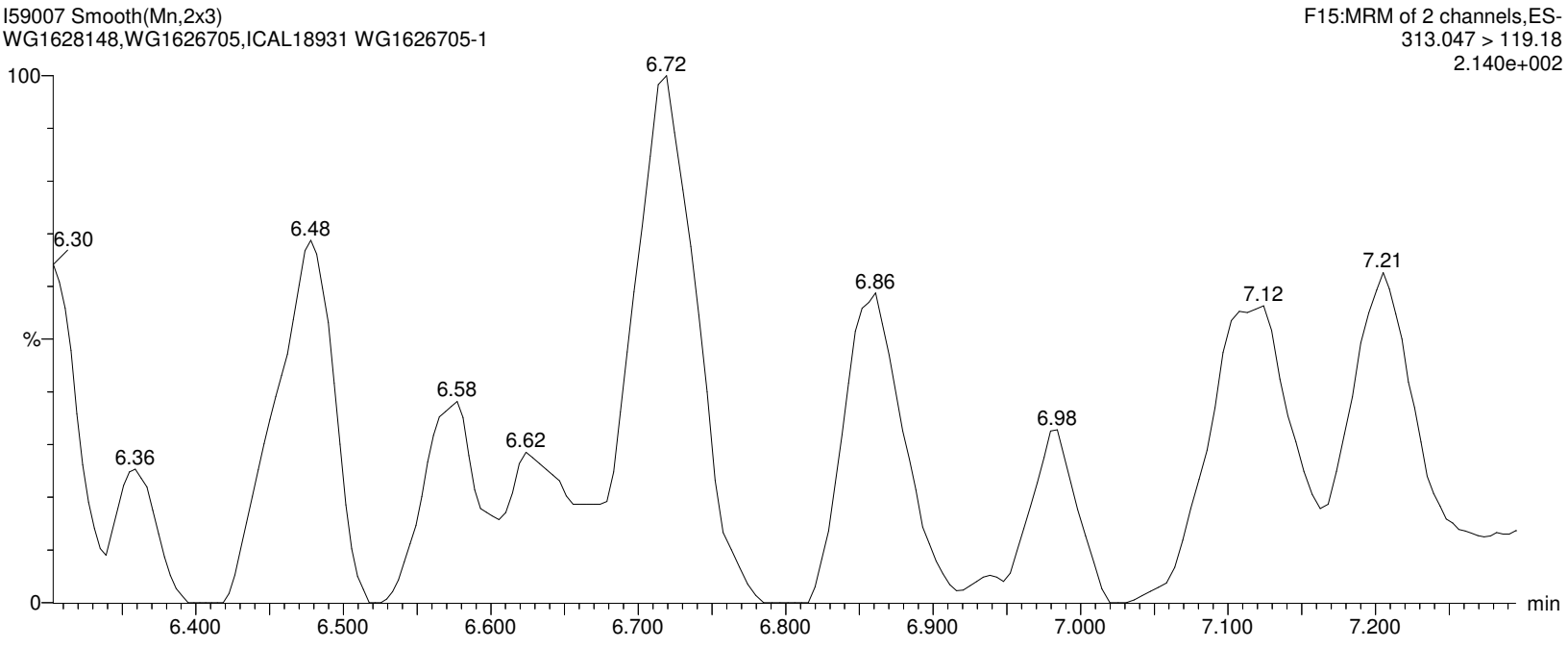
all concentration units in (ng/mL)

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Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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PFHxA



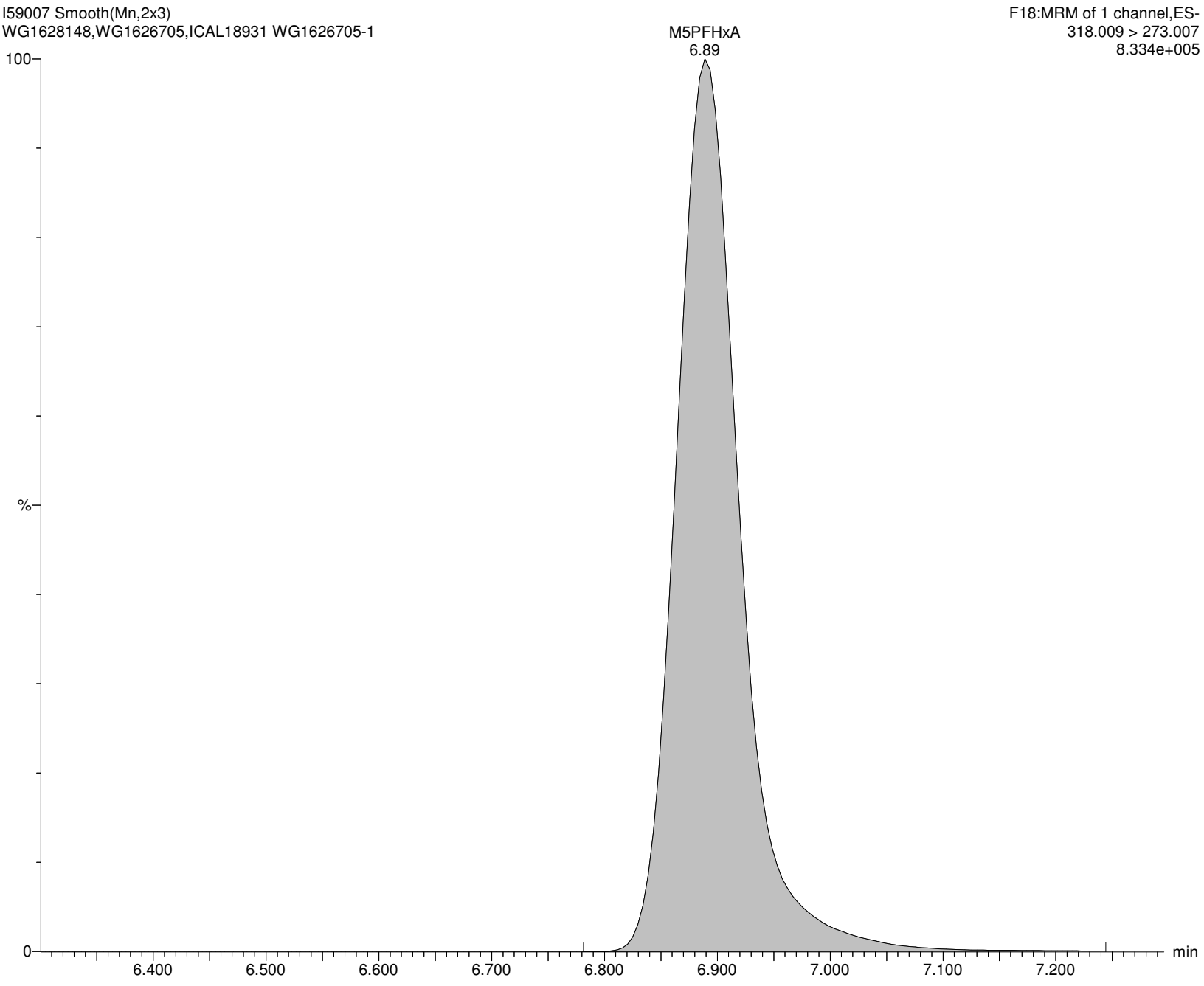


all concentration units in (ng/mL)

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M5PFHxA

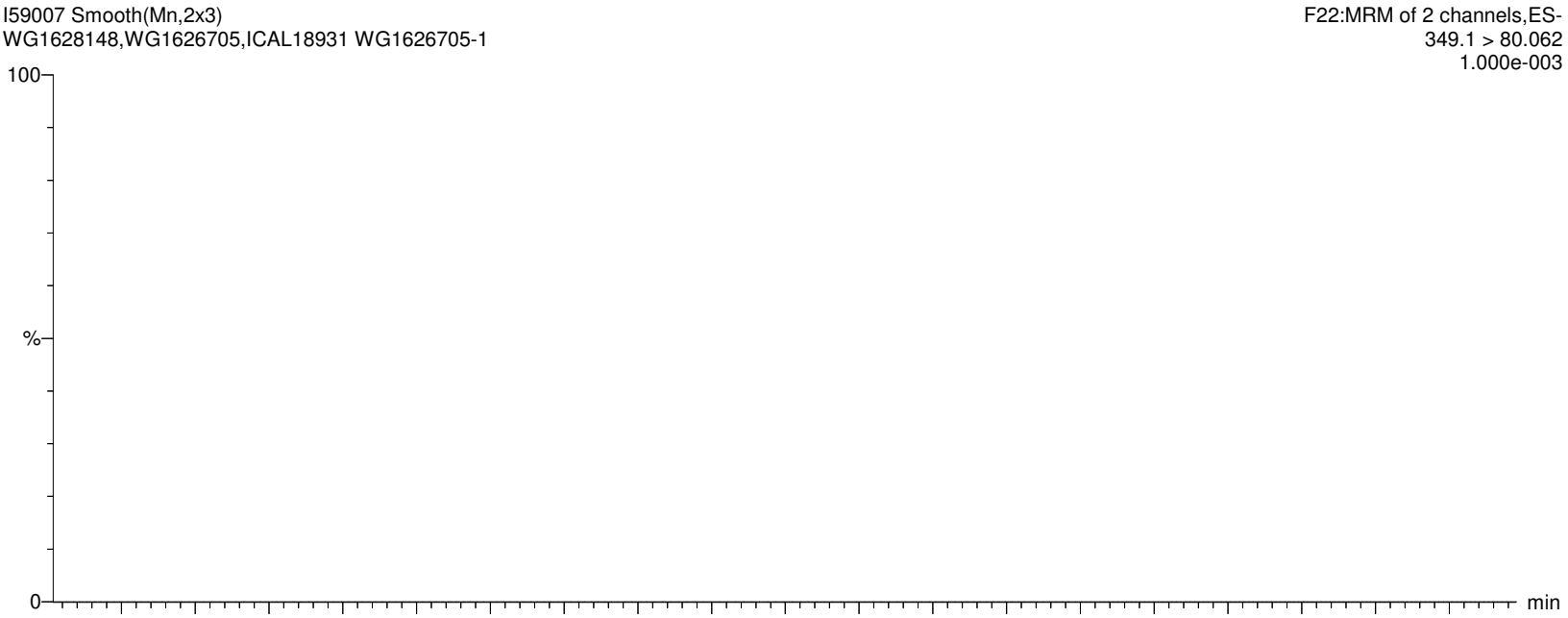


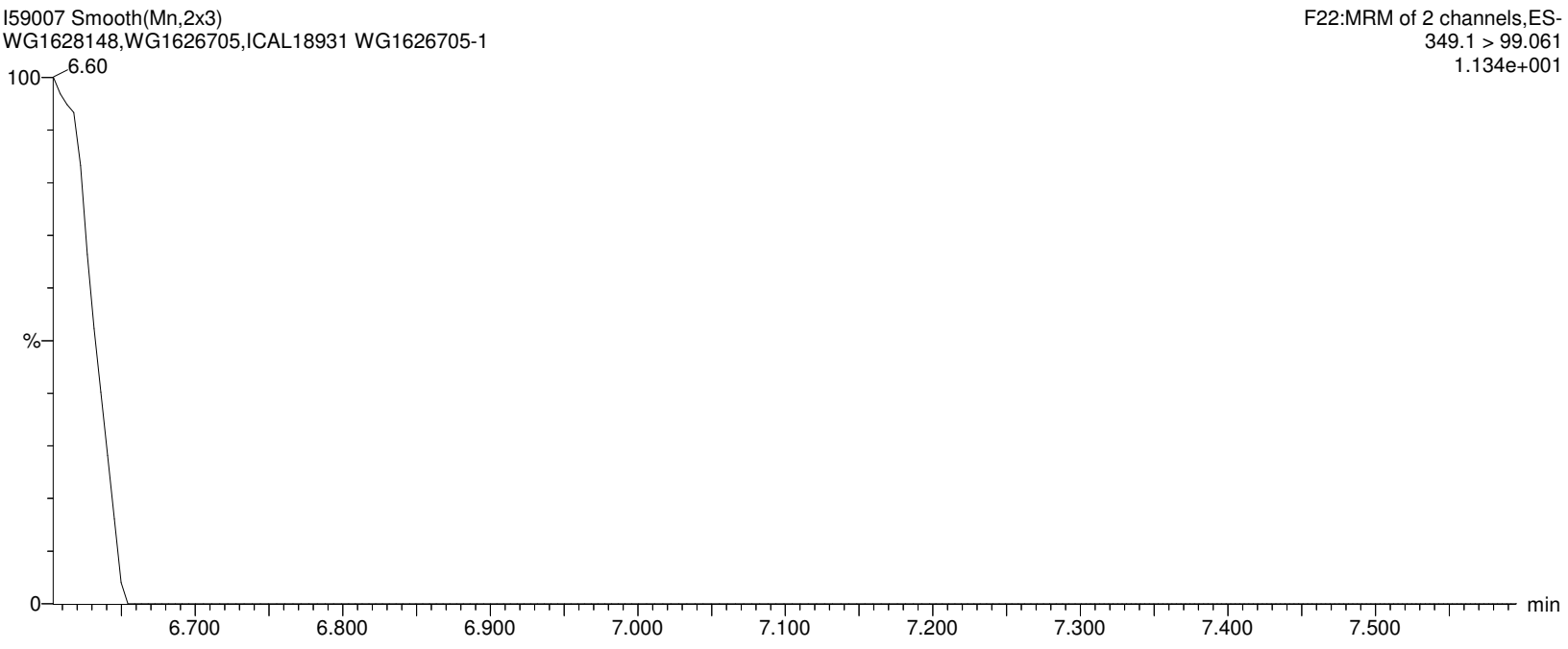
all concentration units in (ng/mL)

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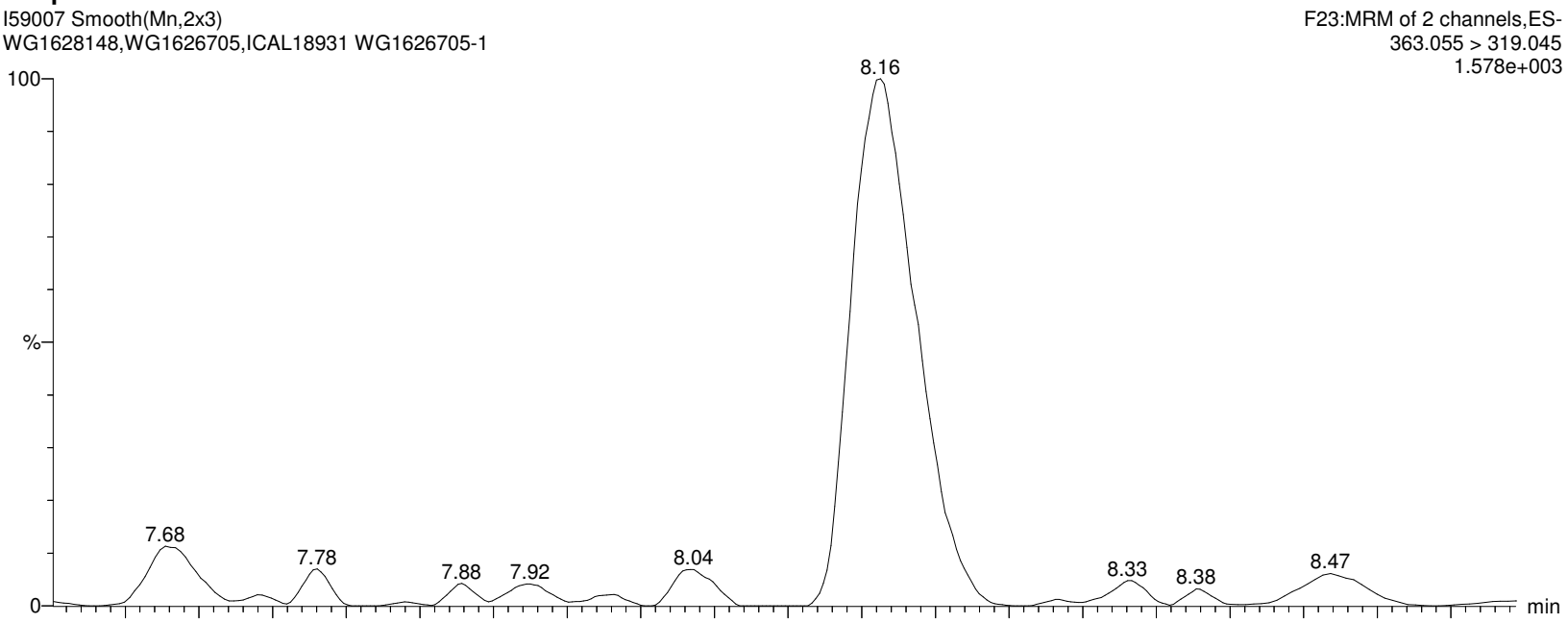


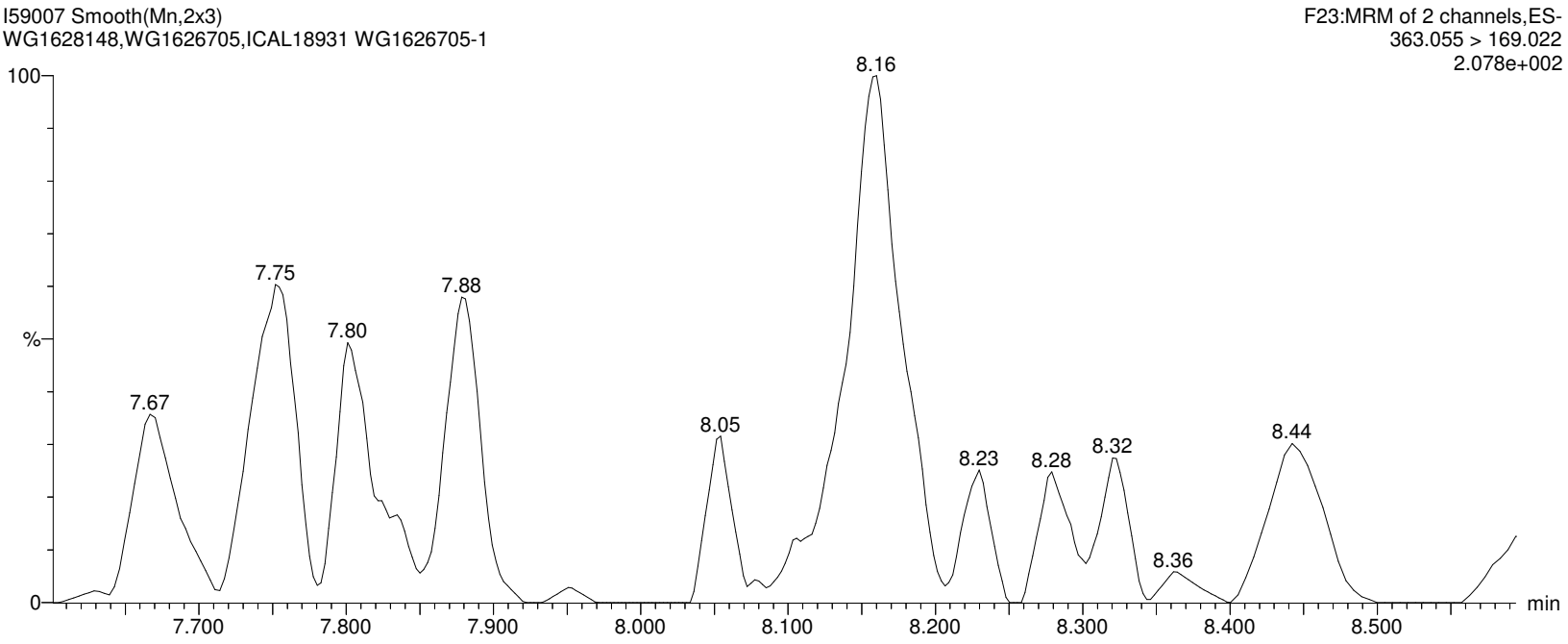
all concentration units in (ng/mL)

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PFHpA



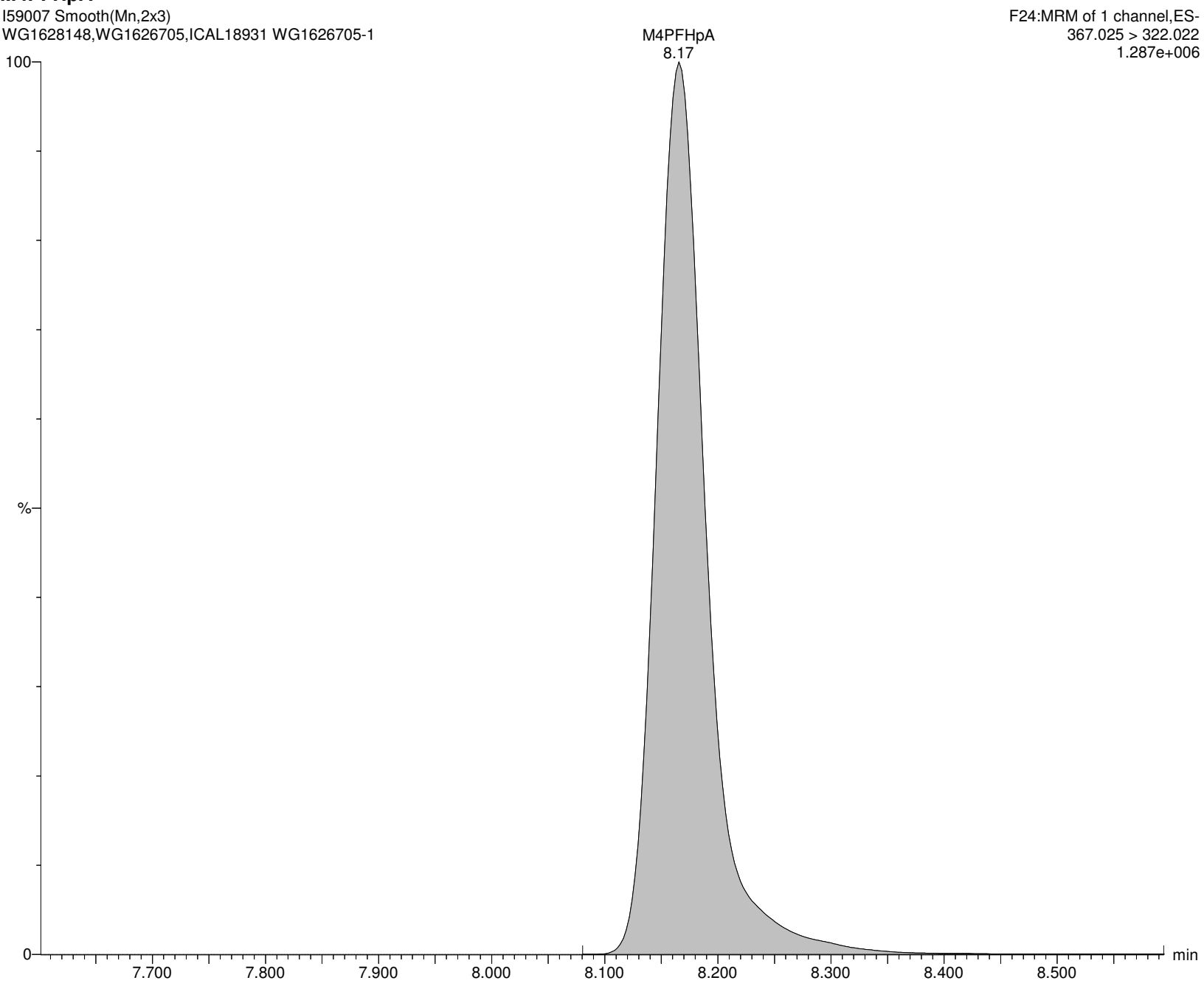


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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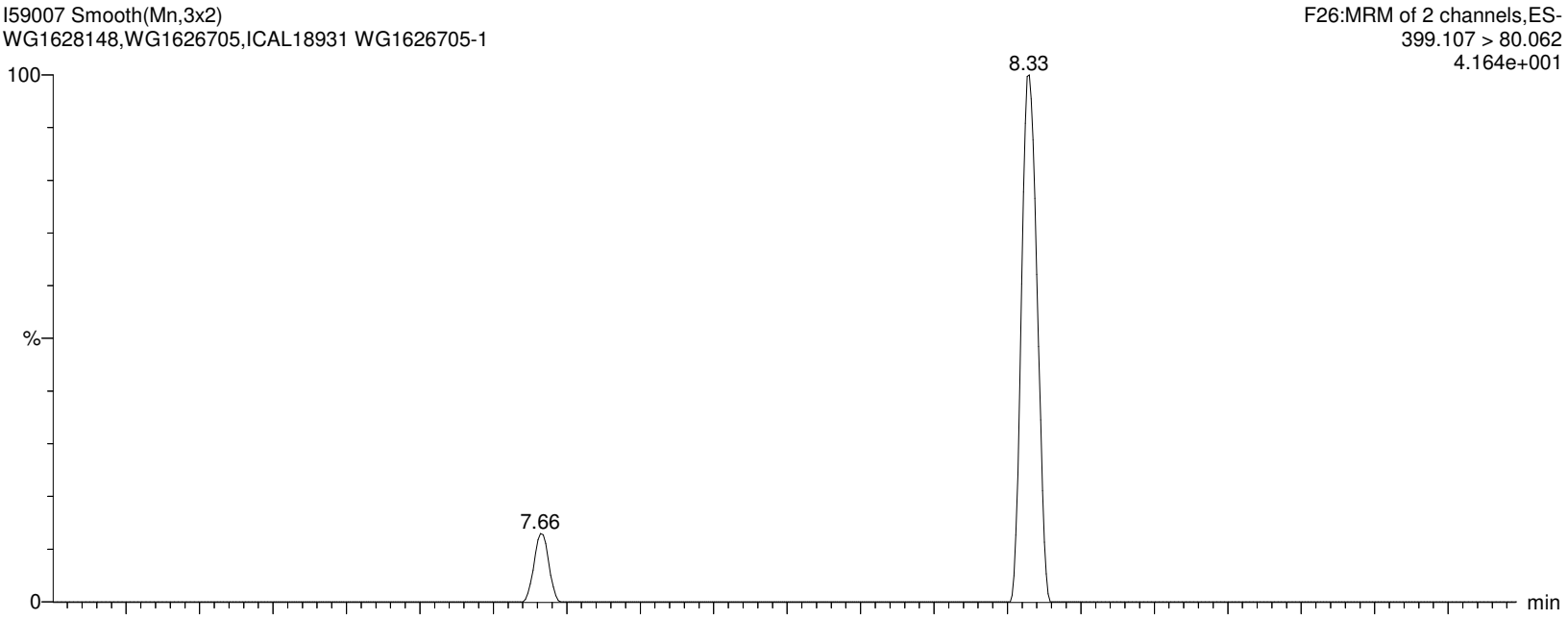


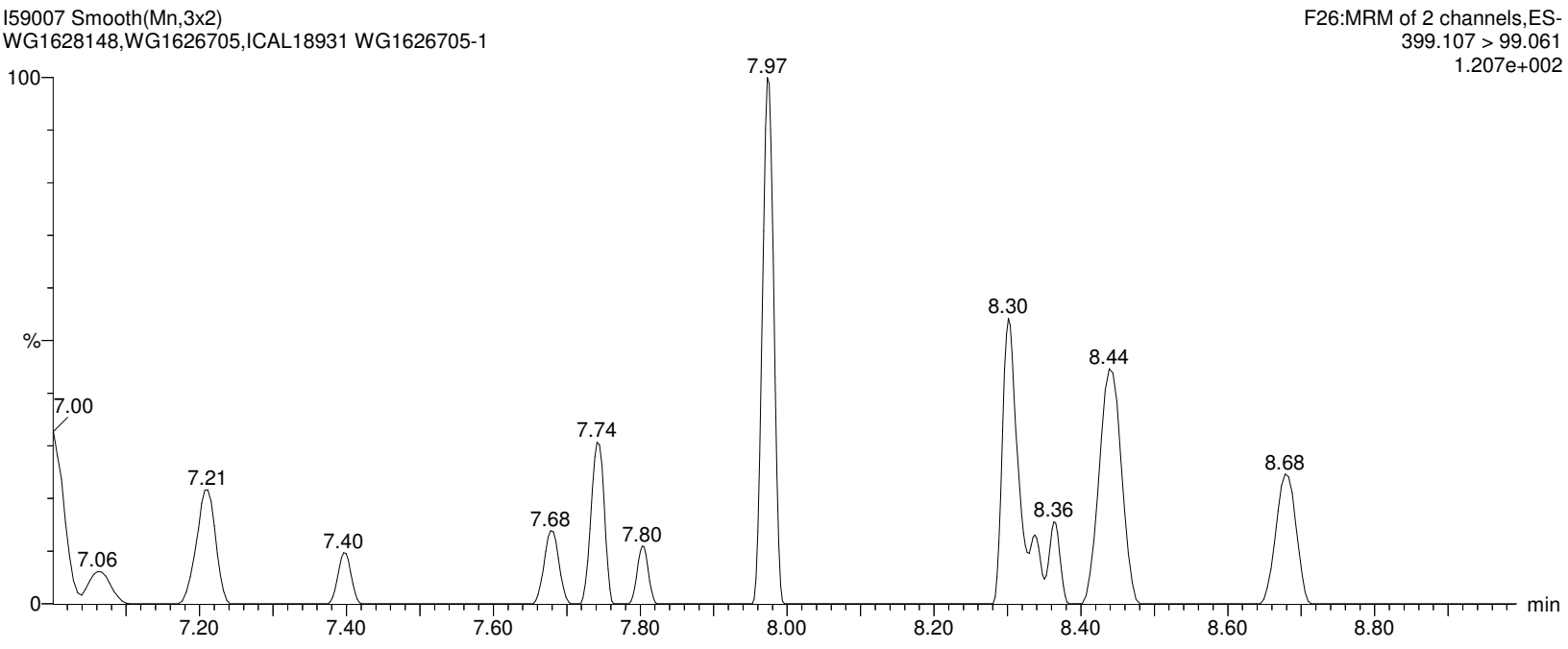
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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br-PFHxS



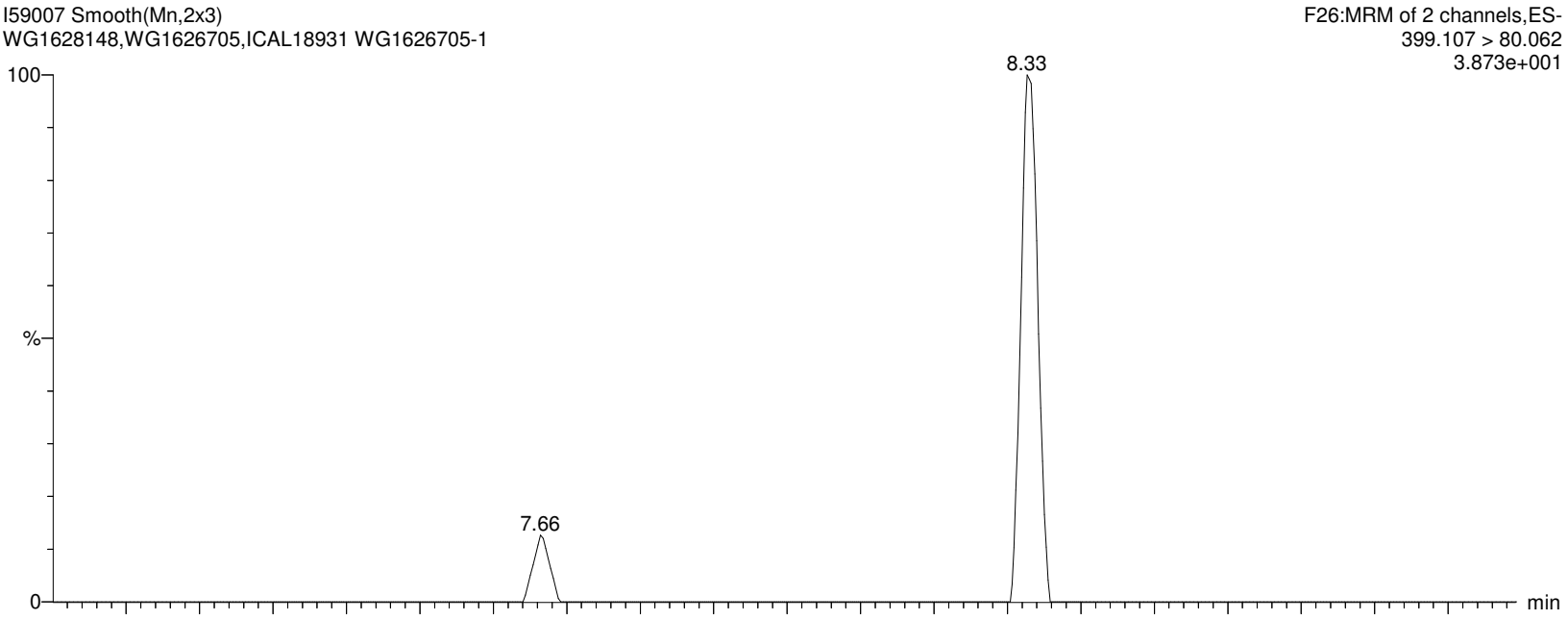


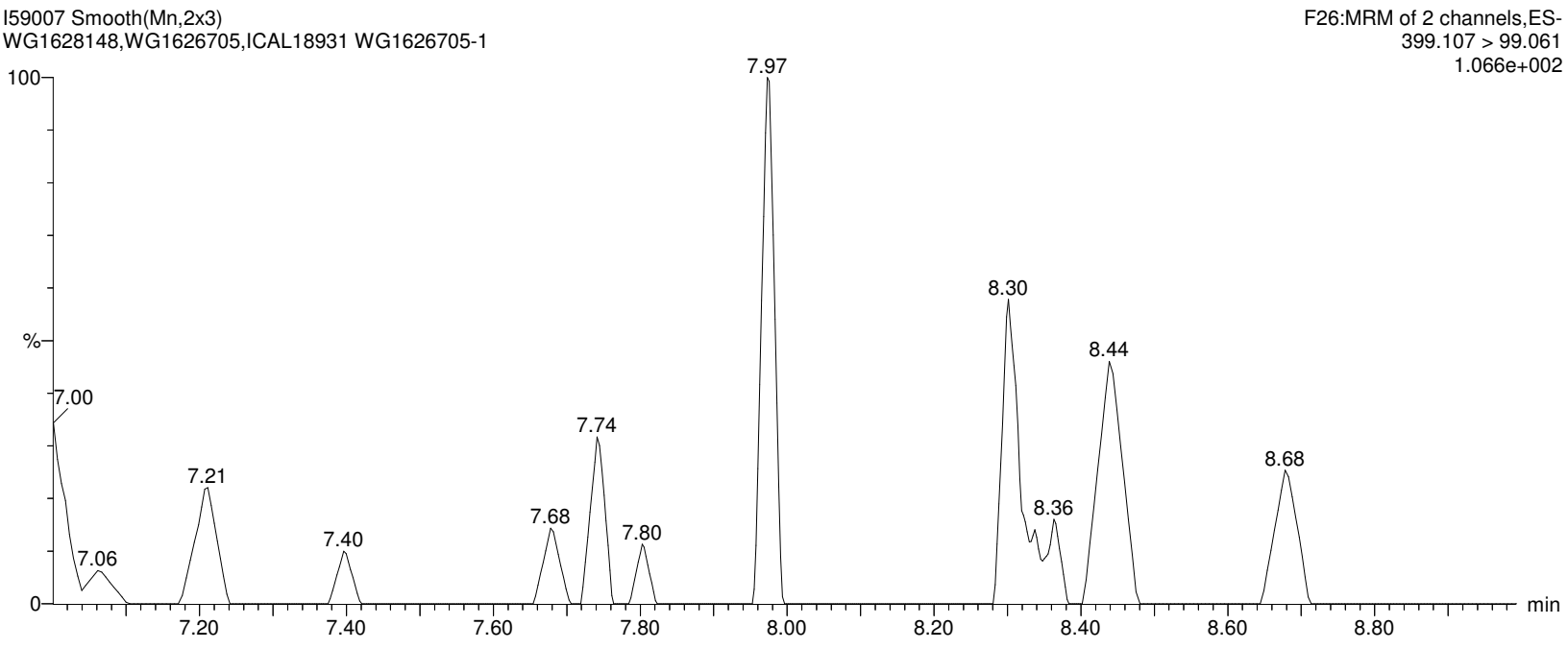
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Alpha Analytical Inc.
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L-PFHxS



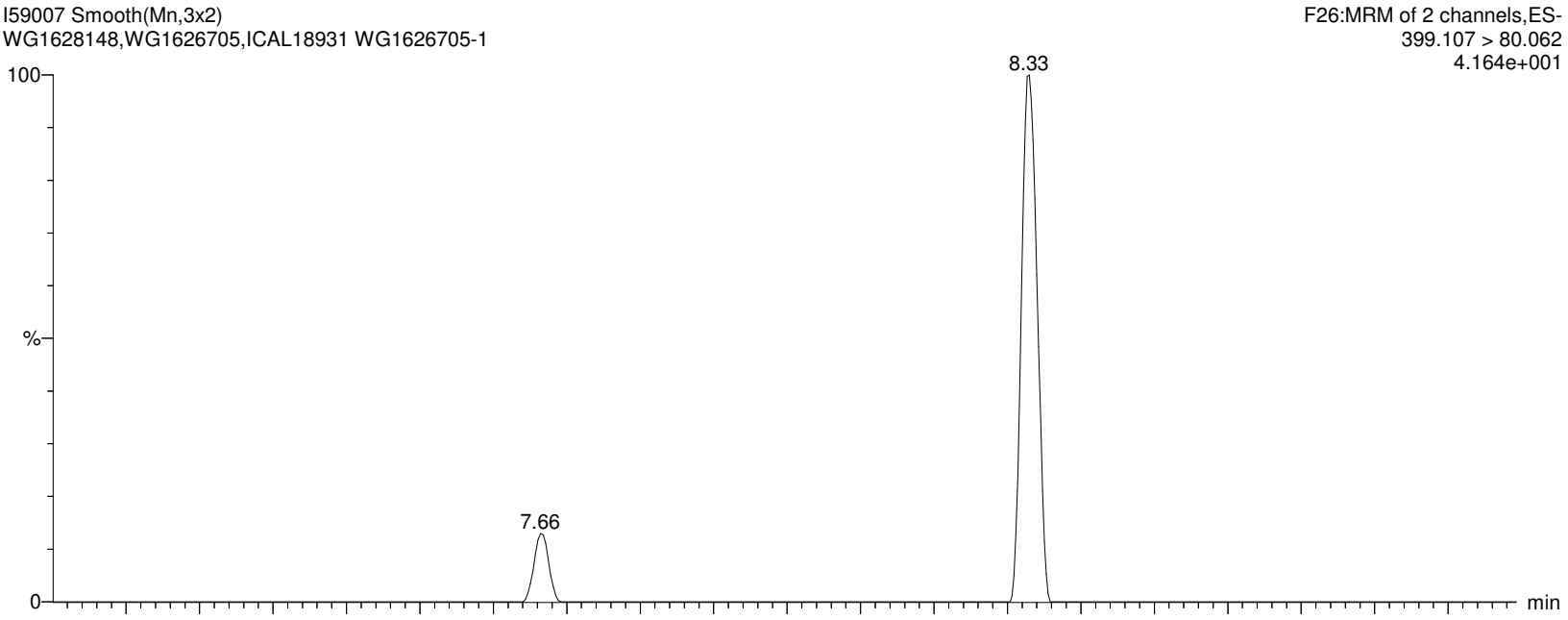


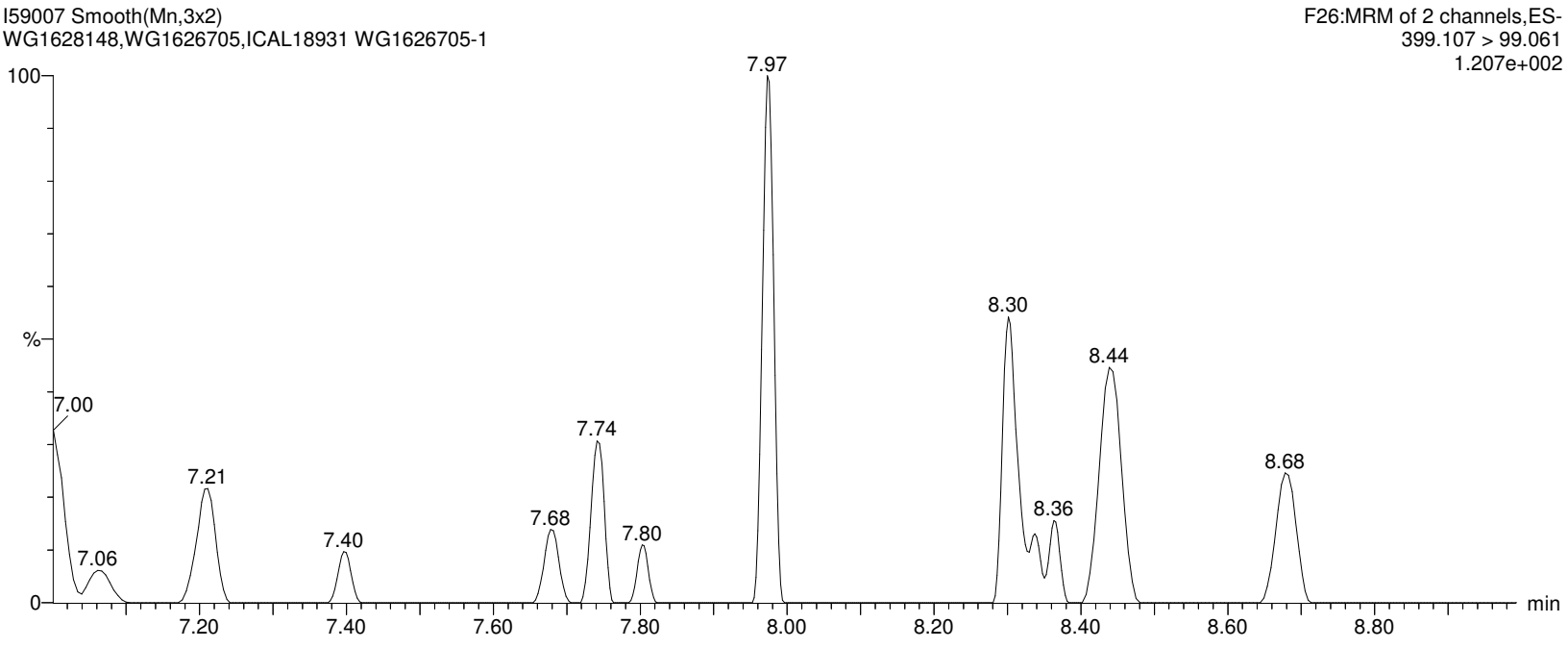
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFHxS



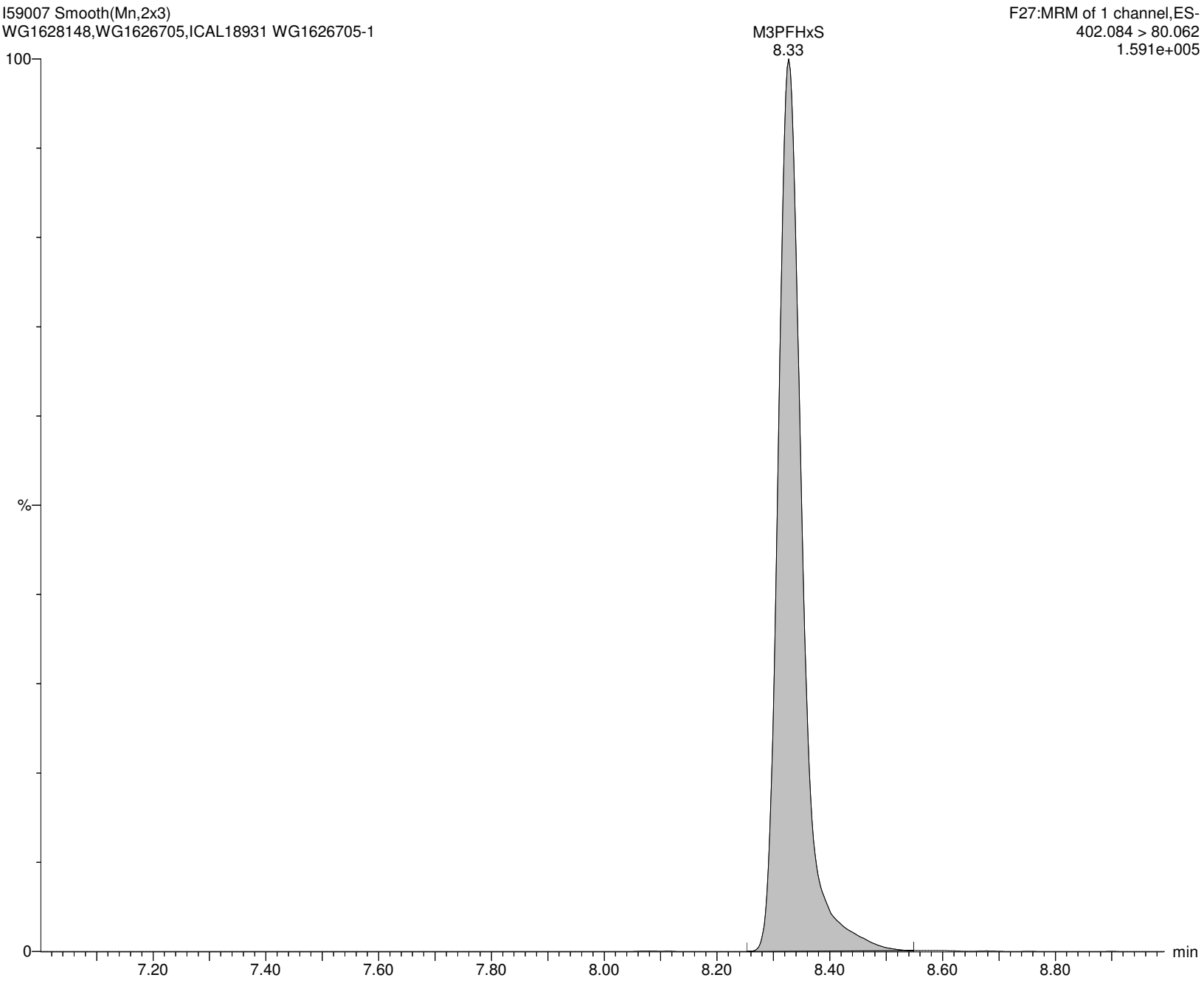


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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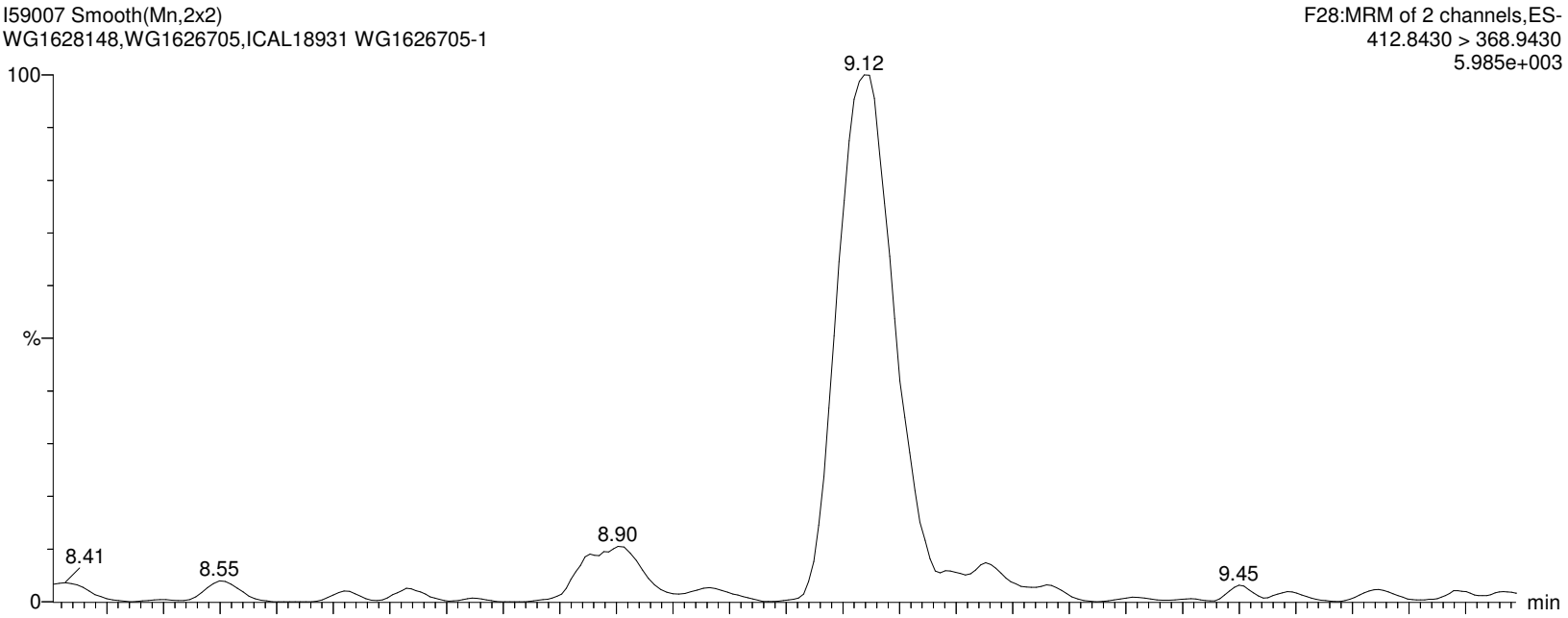


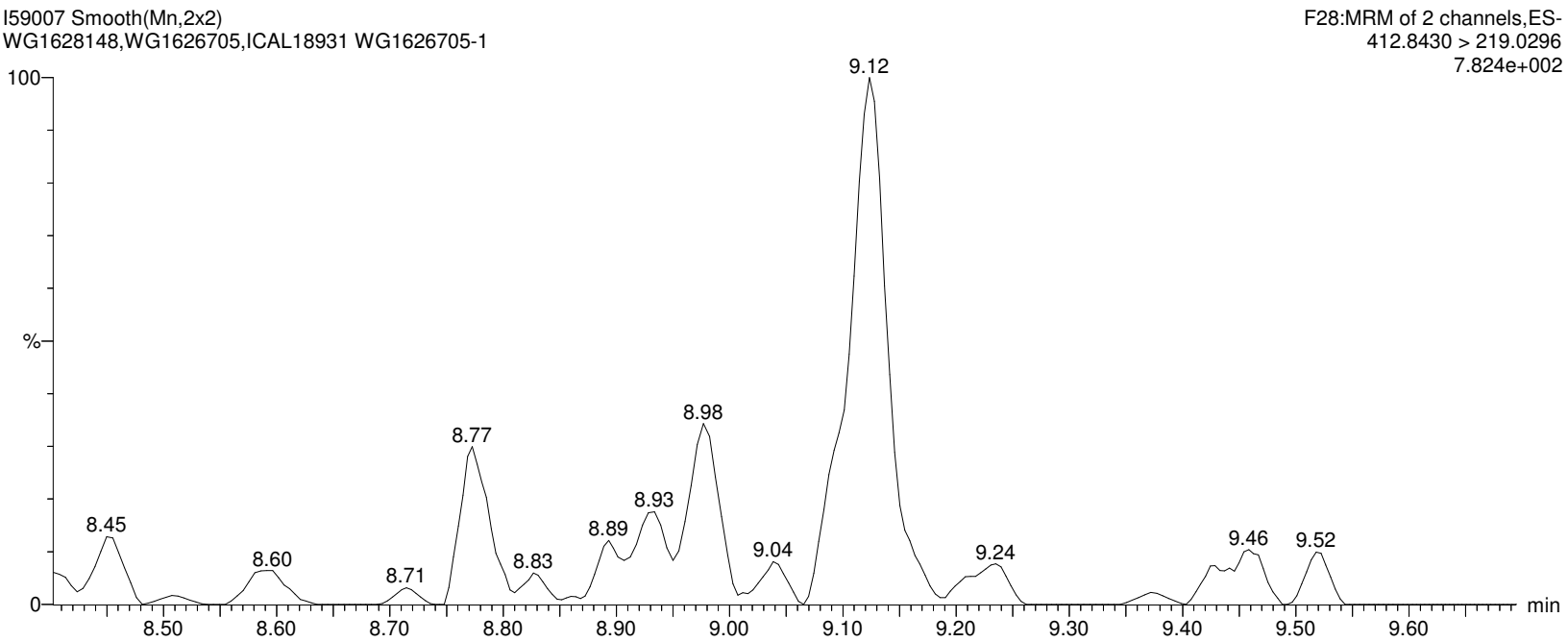
all concentration units in (ng/mL)

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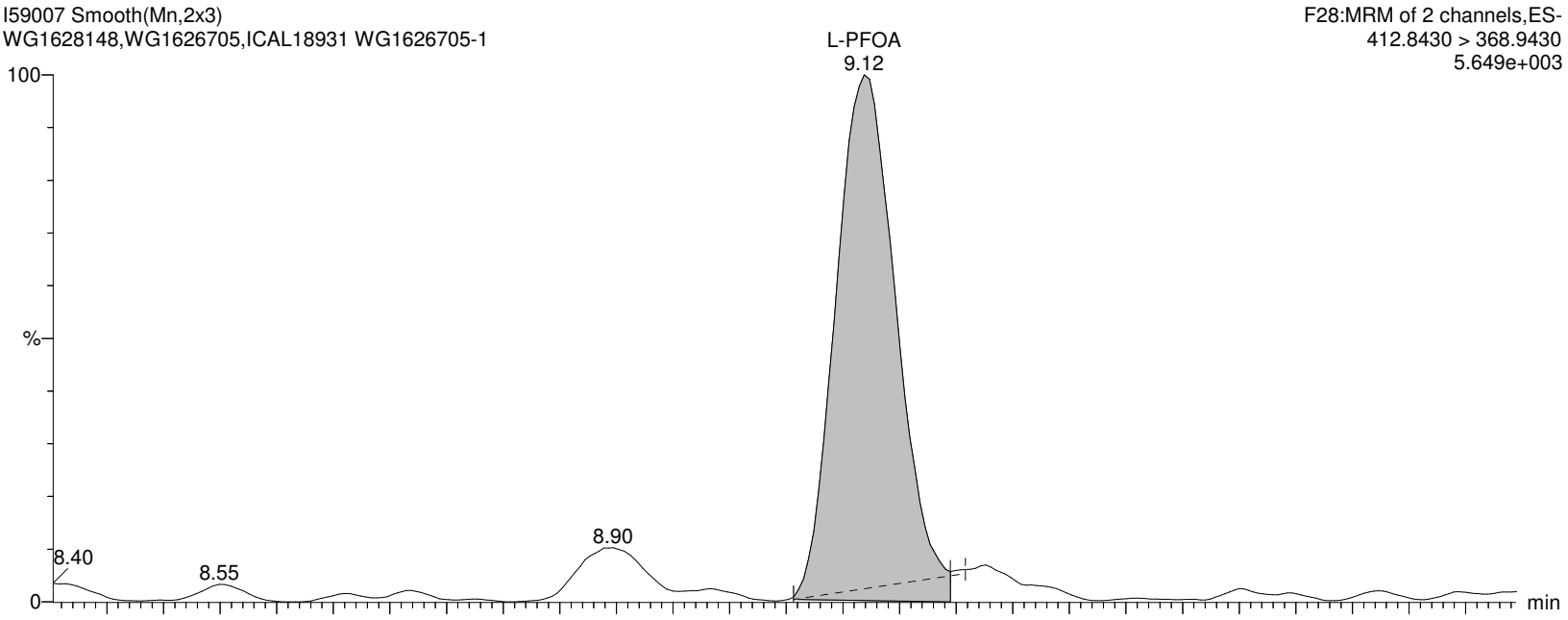


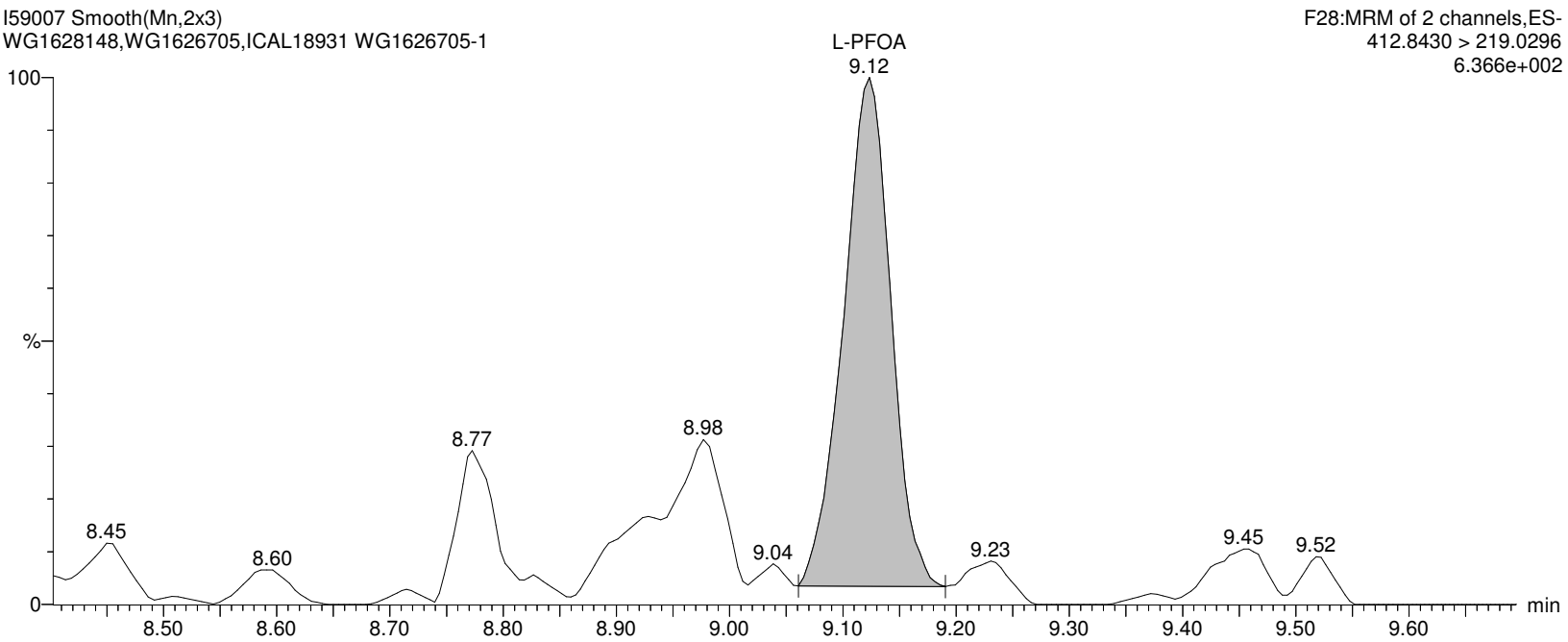
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L-PFOA



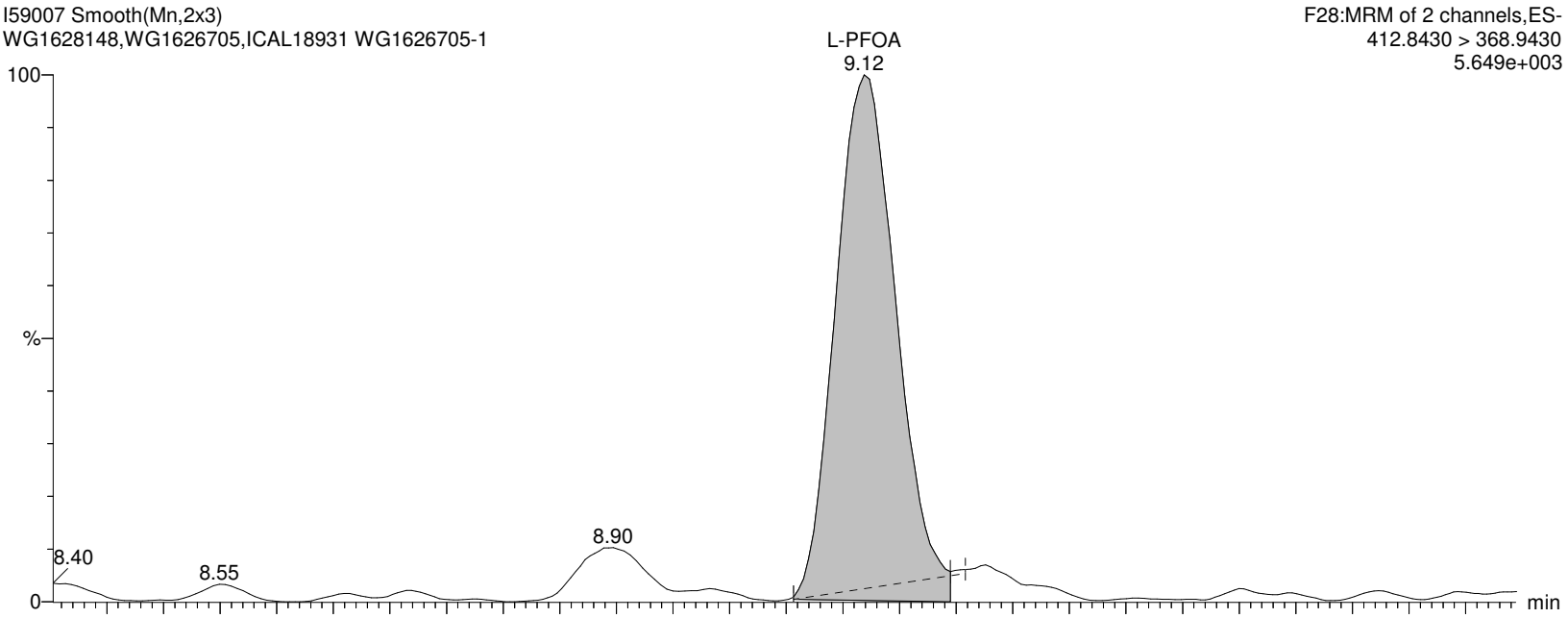


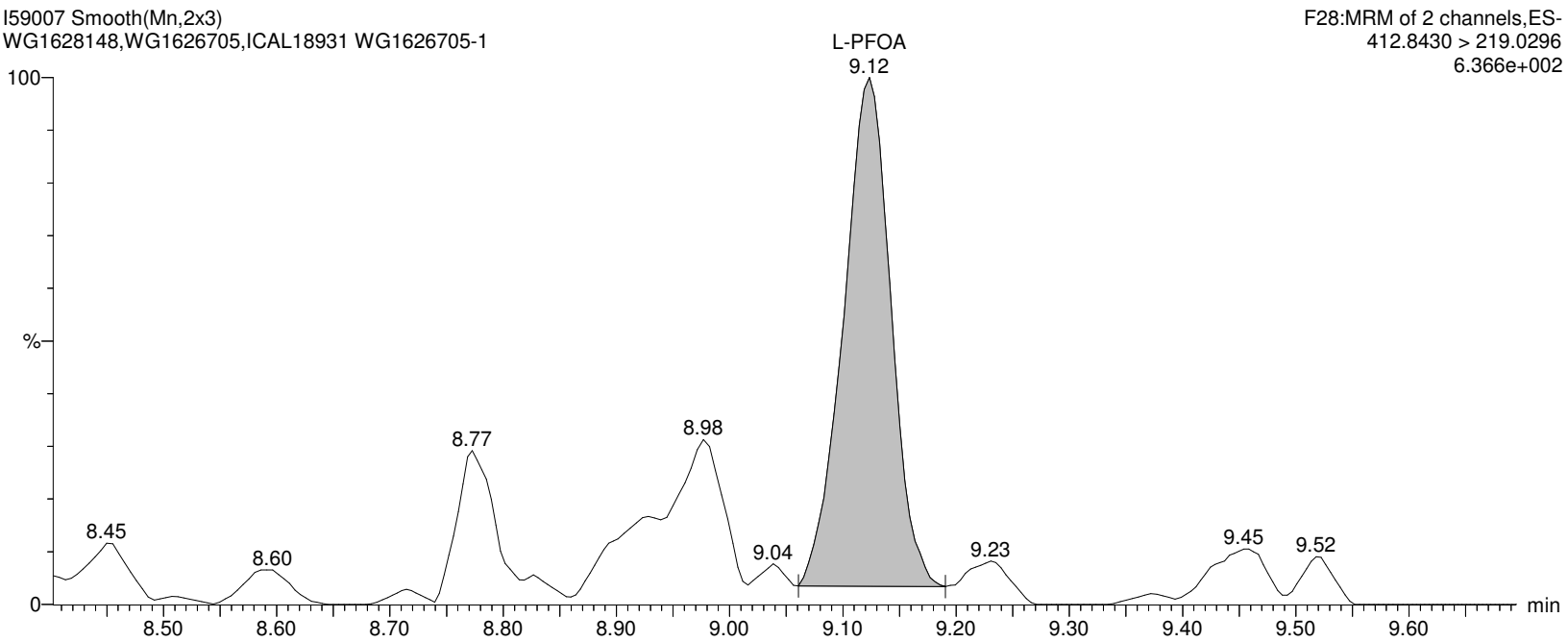
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

Name: I59007
ID: WG1626705-1
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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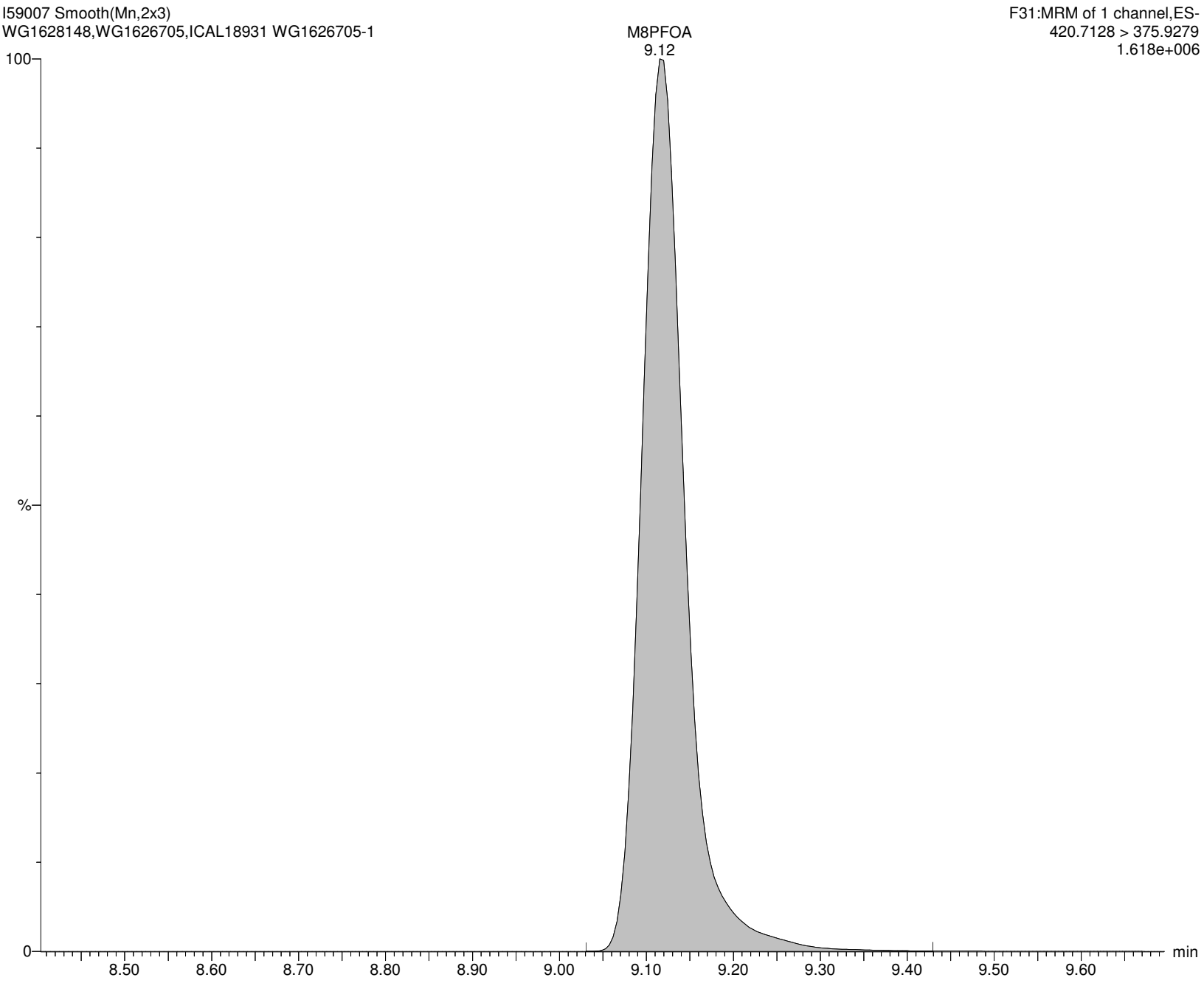


all concentration units in (ng/mL)

Alpha Analytical Inc.
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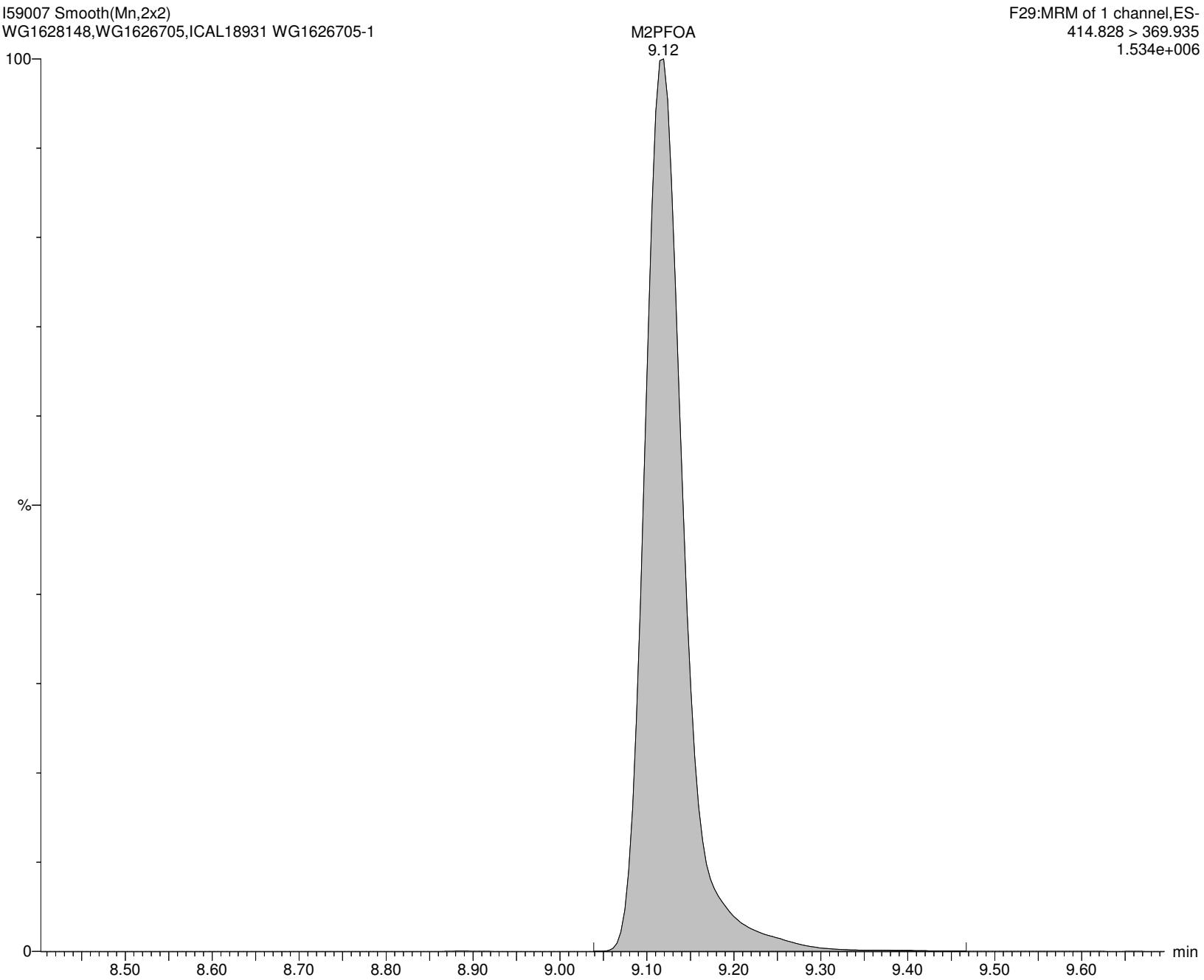


all concentration units in (ng/mL)

Alpha Analytical Inc.
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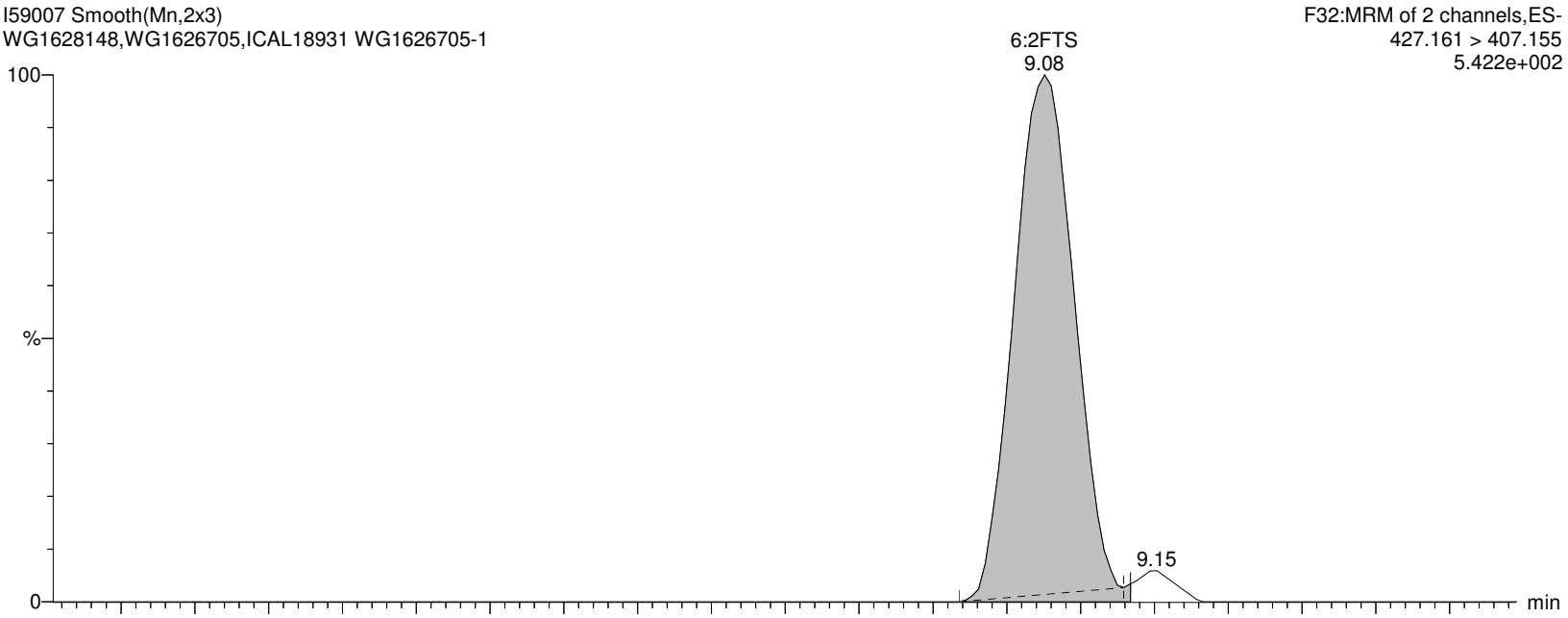


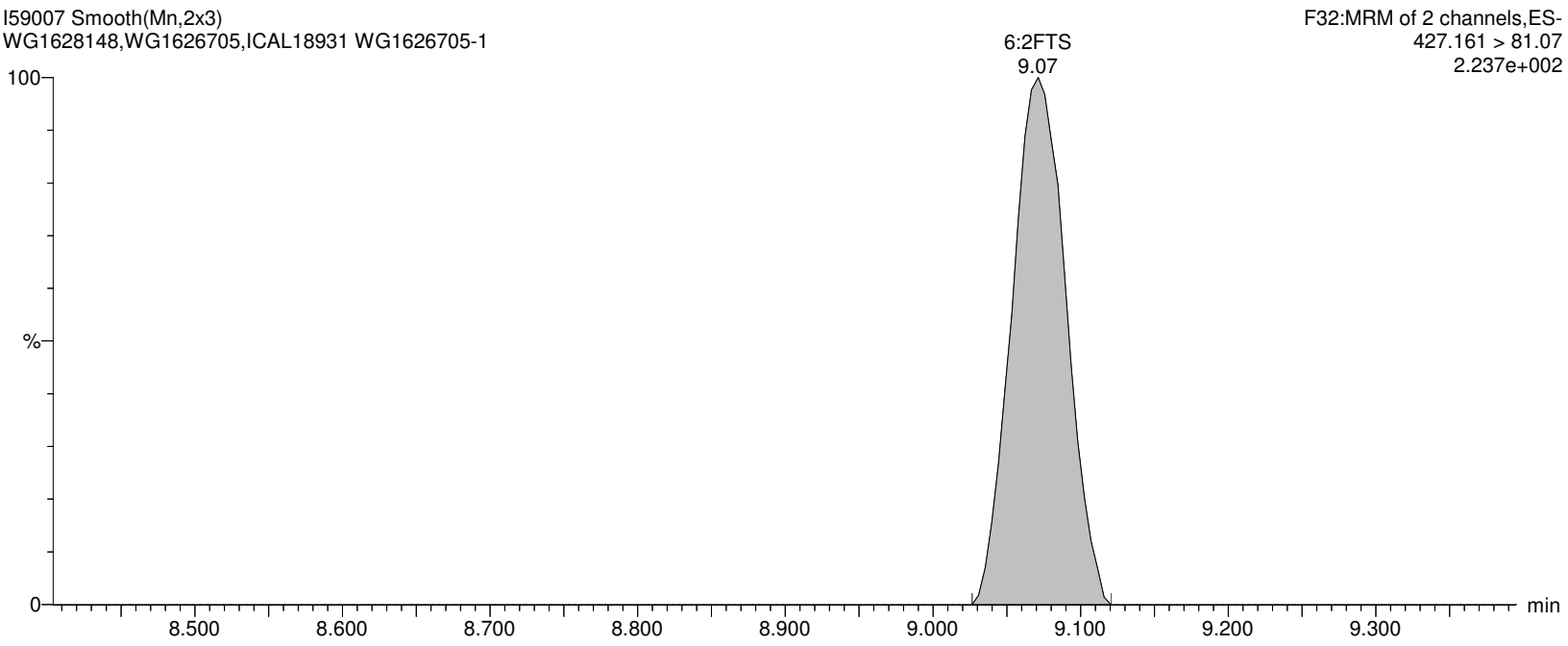
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



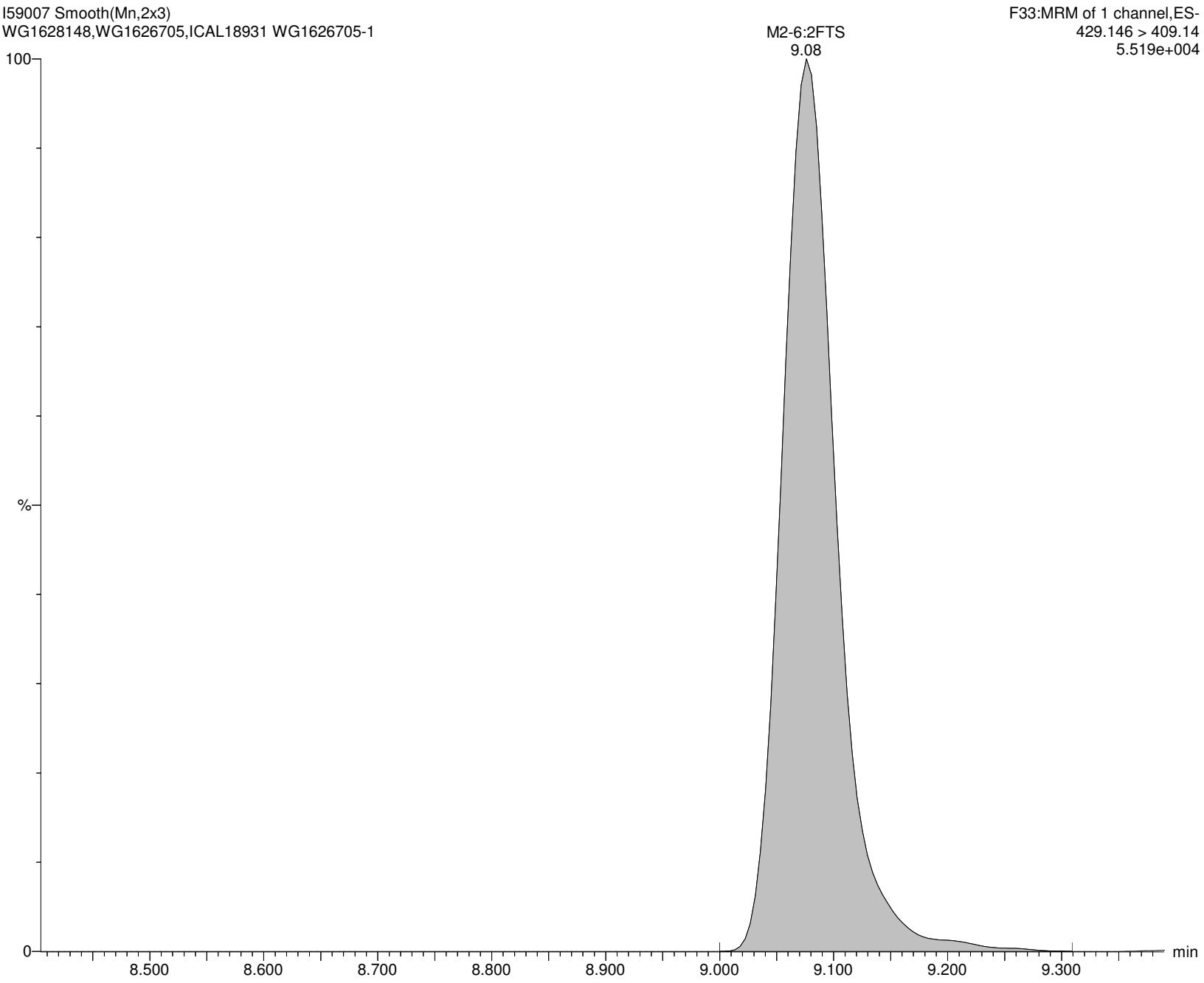


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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M2-6:2FTS

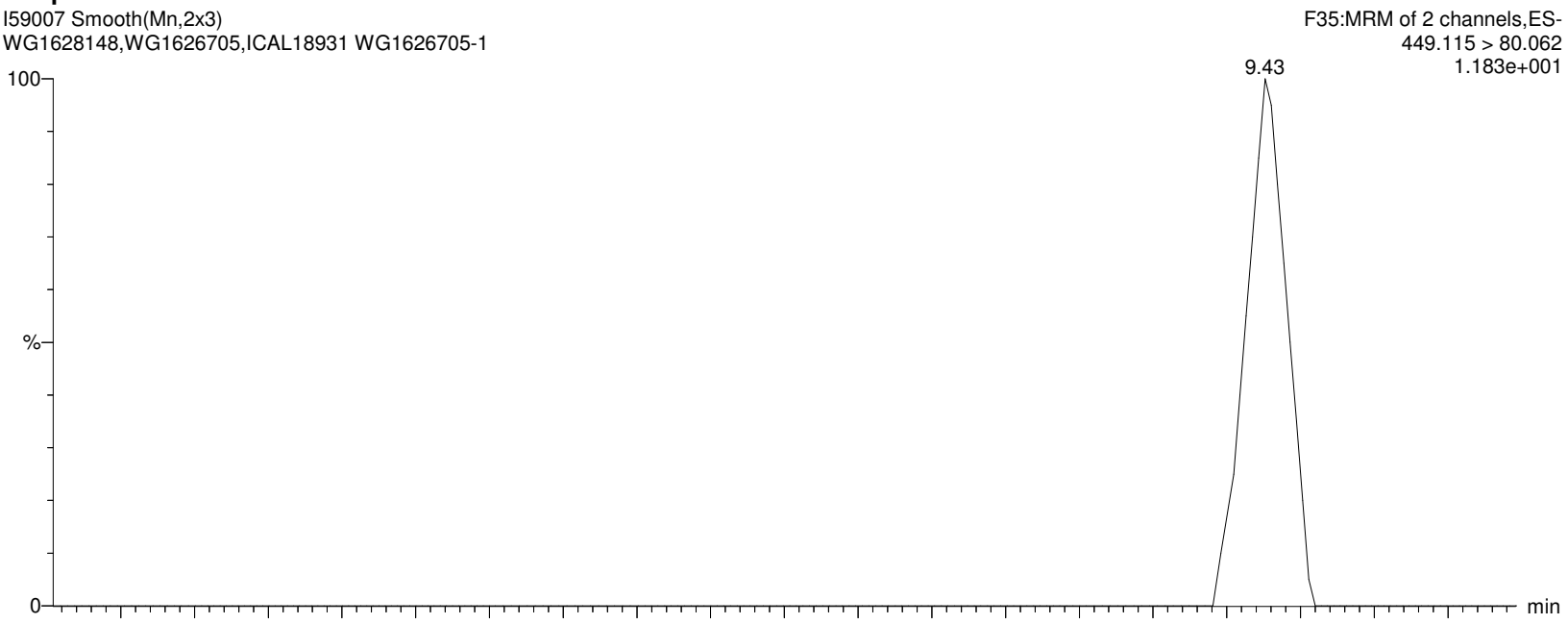


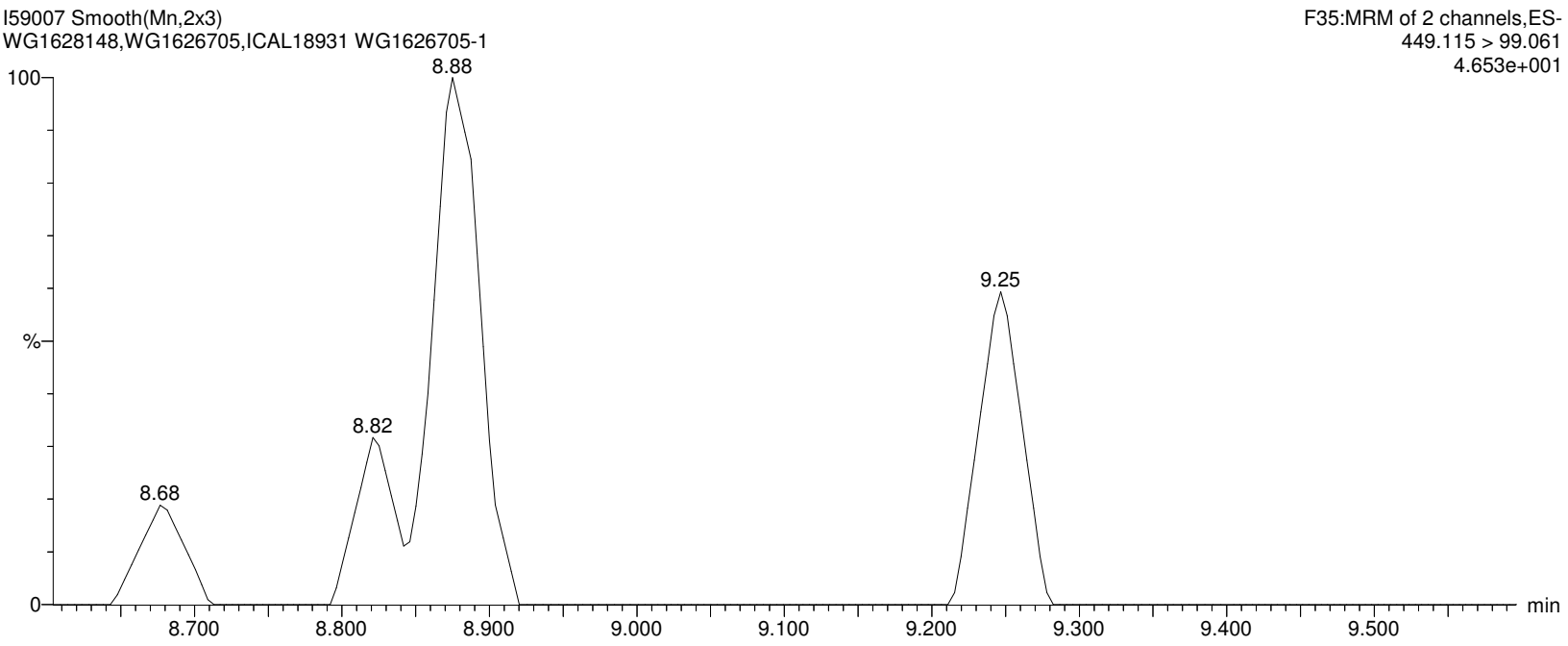
all concentration units in (ng/mL)

Alpha Analytical Inc.
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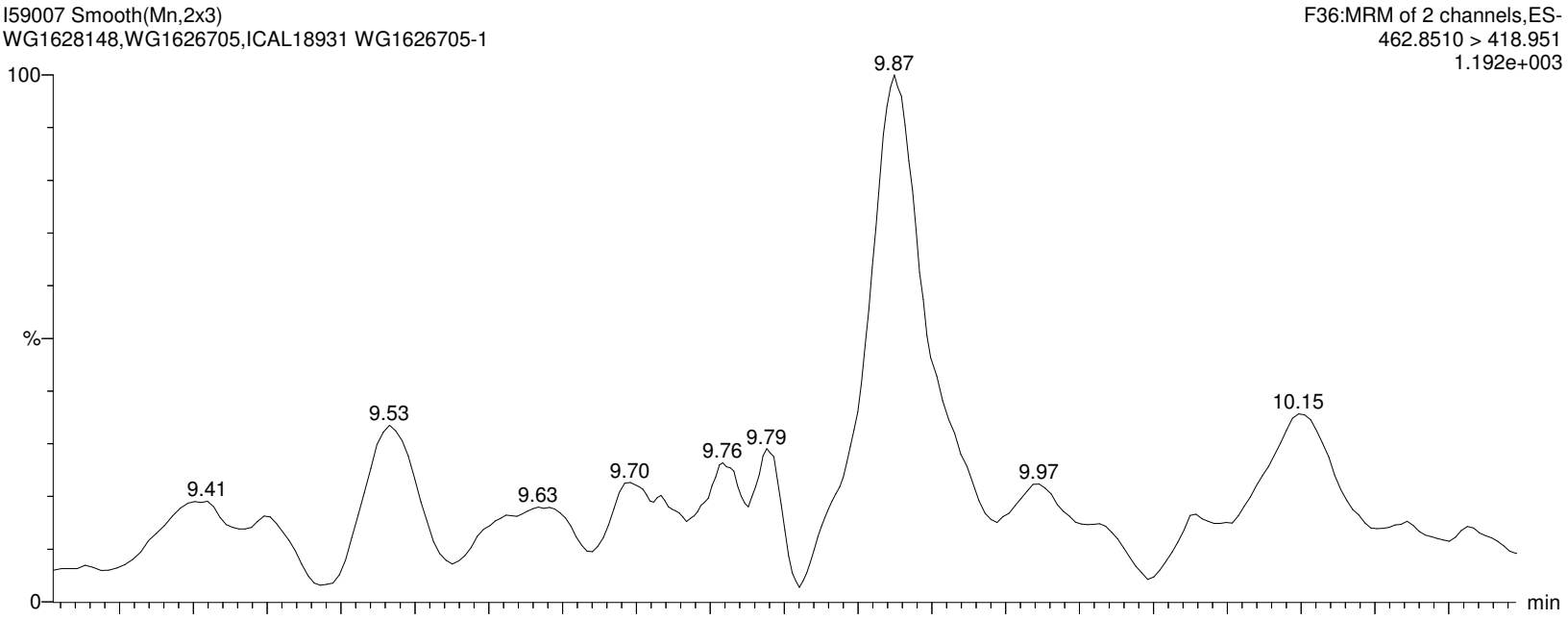


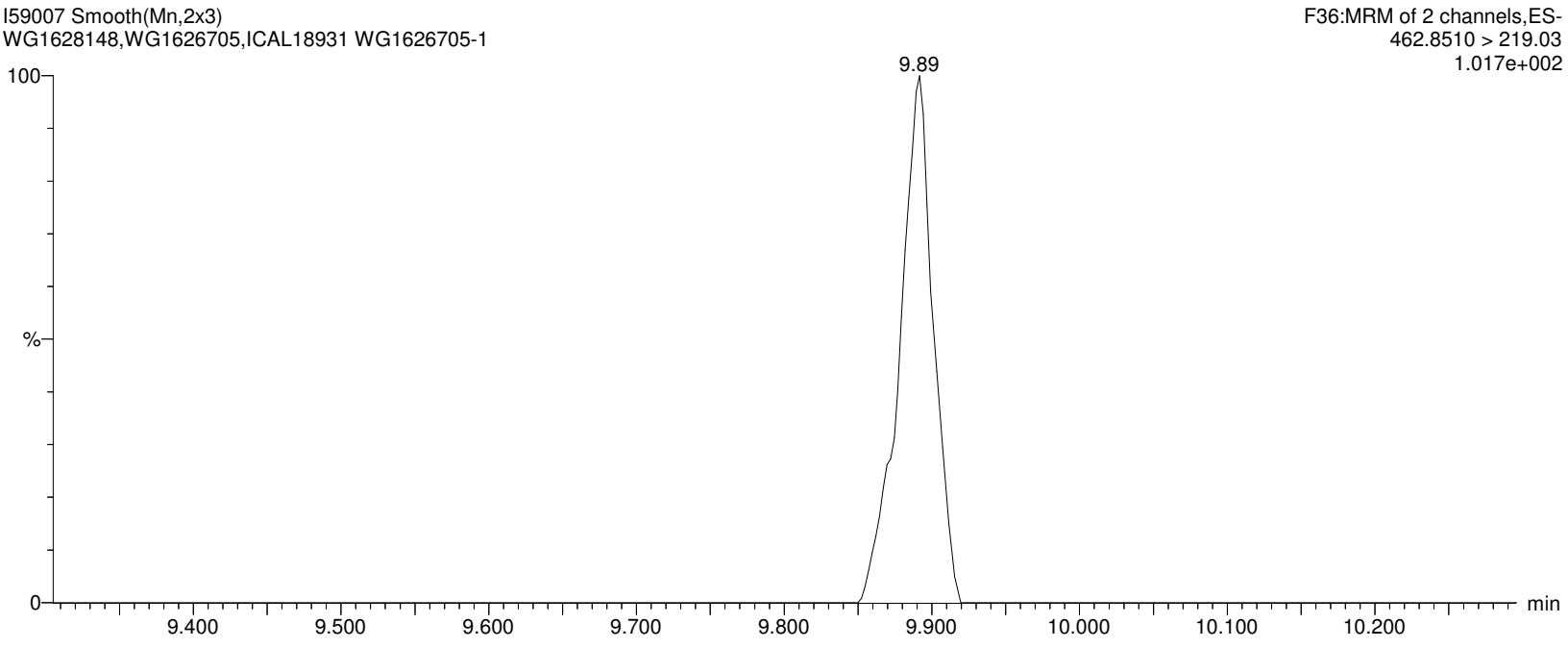
all concentration units in (ng/mL)

Alpha Analytical Inc.
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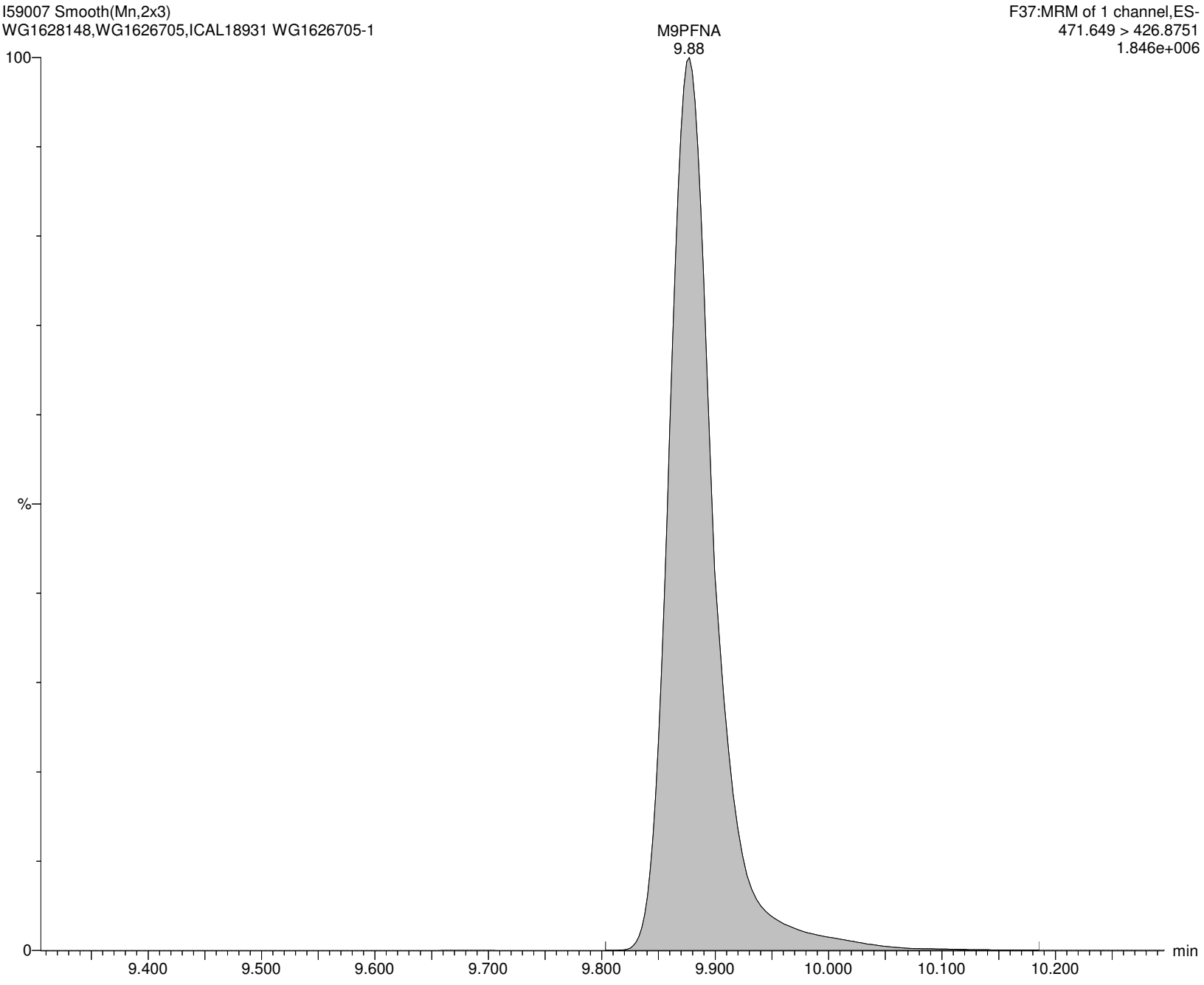


all concentration units in (ng/mL)

Alpha Analytical Inc.
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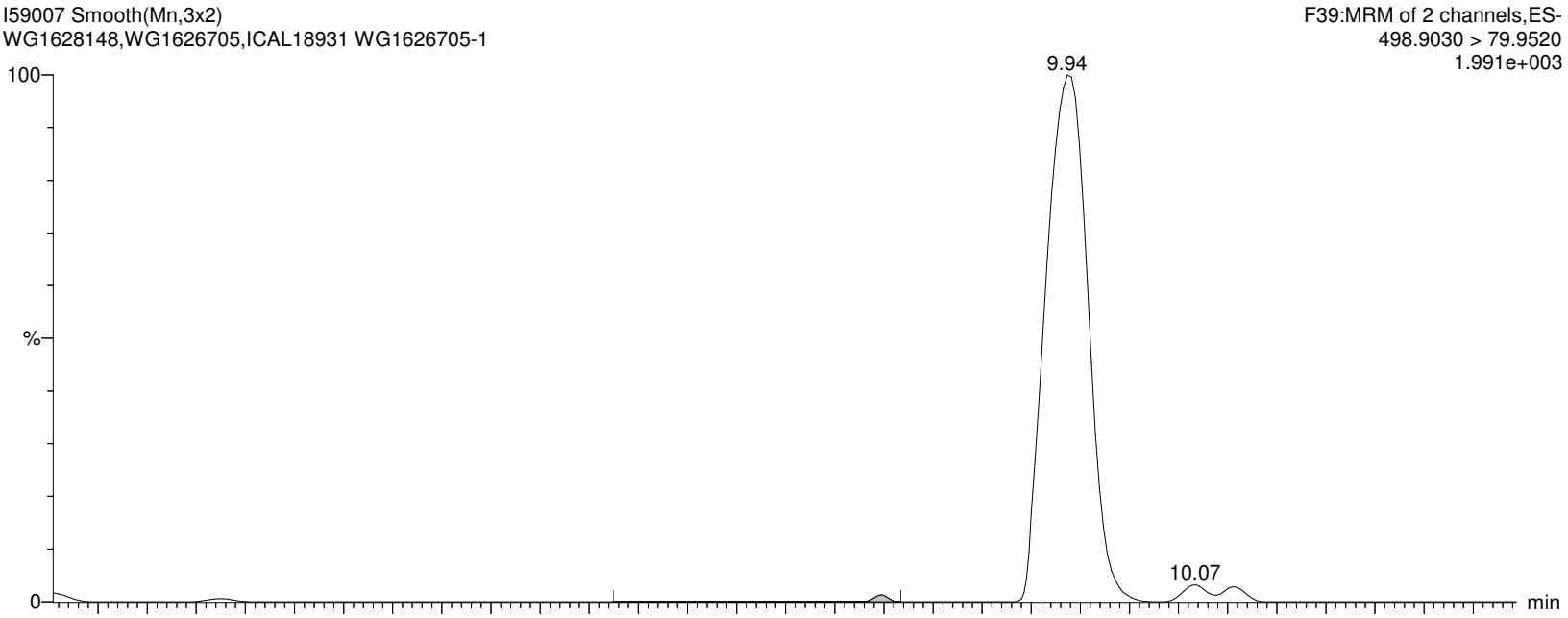


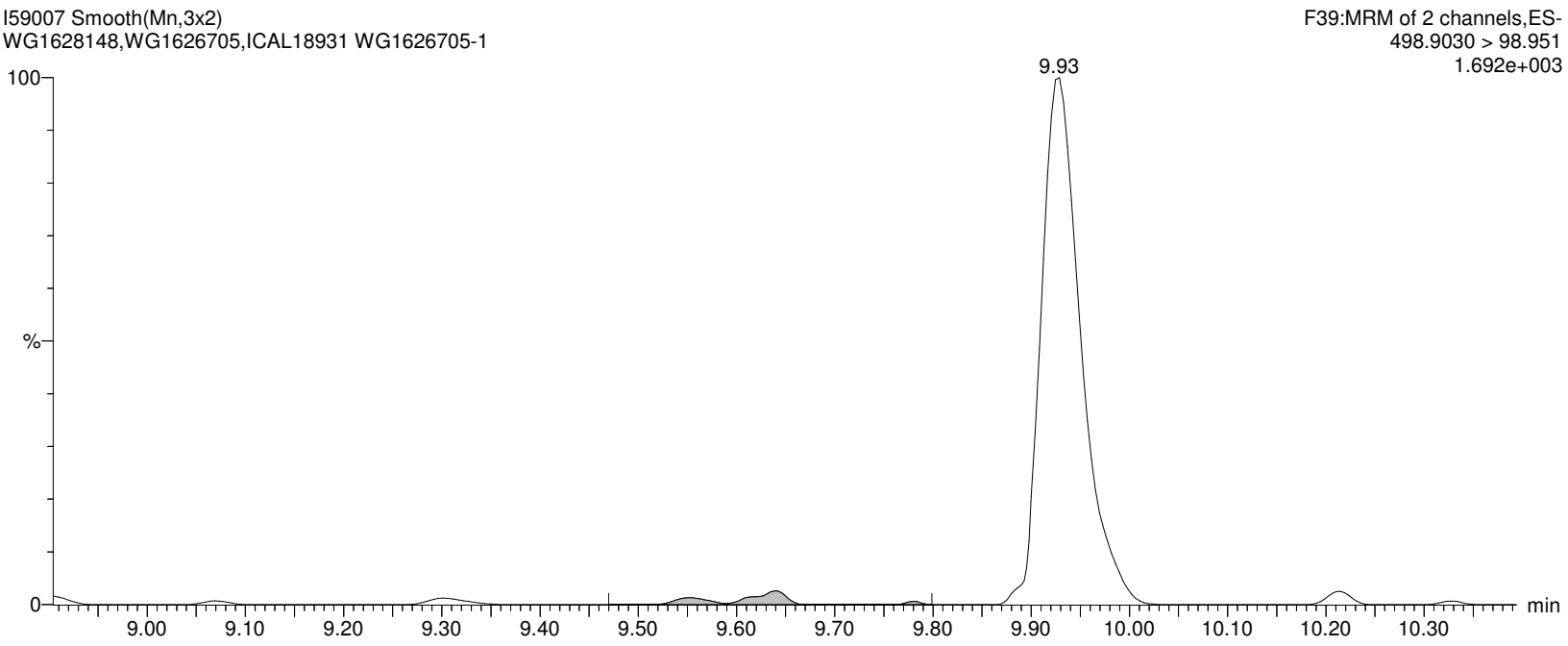
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Date: 17-Apr-2022
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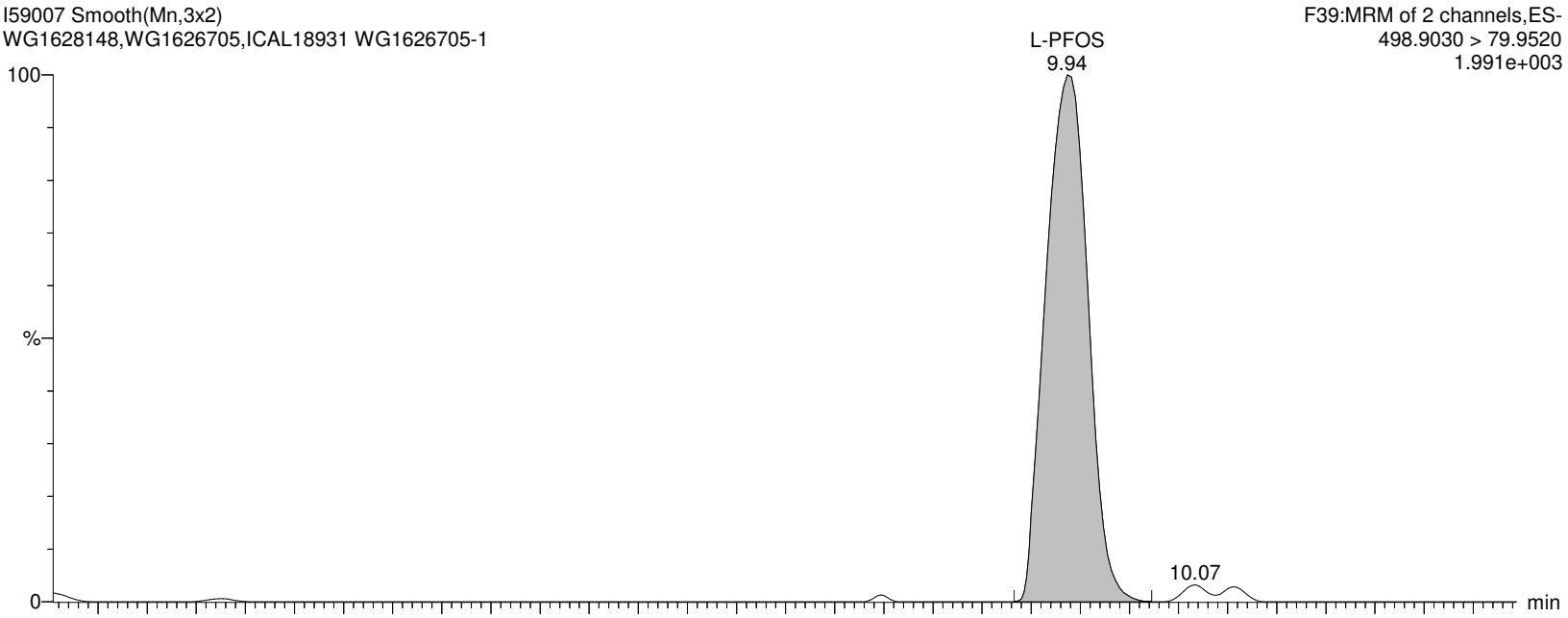


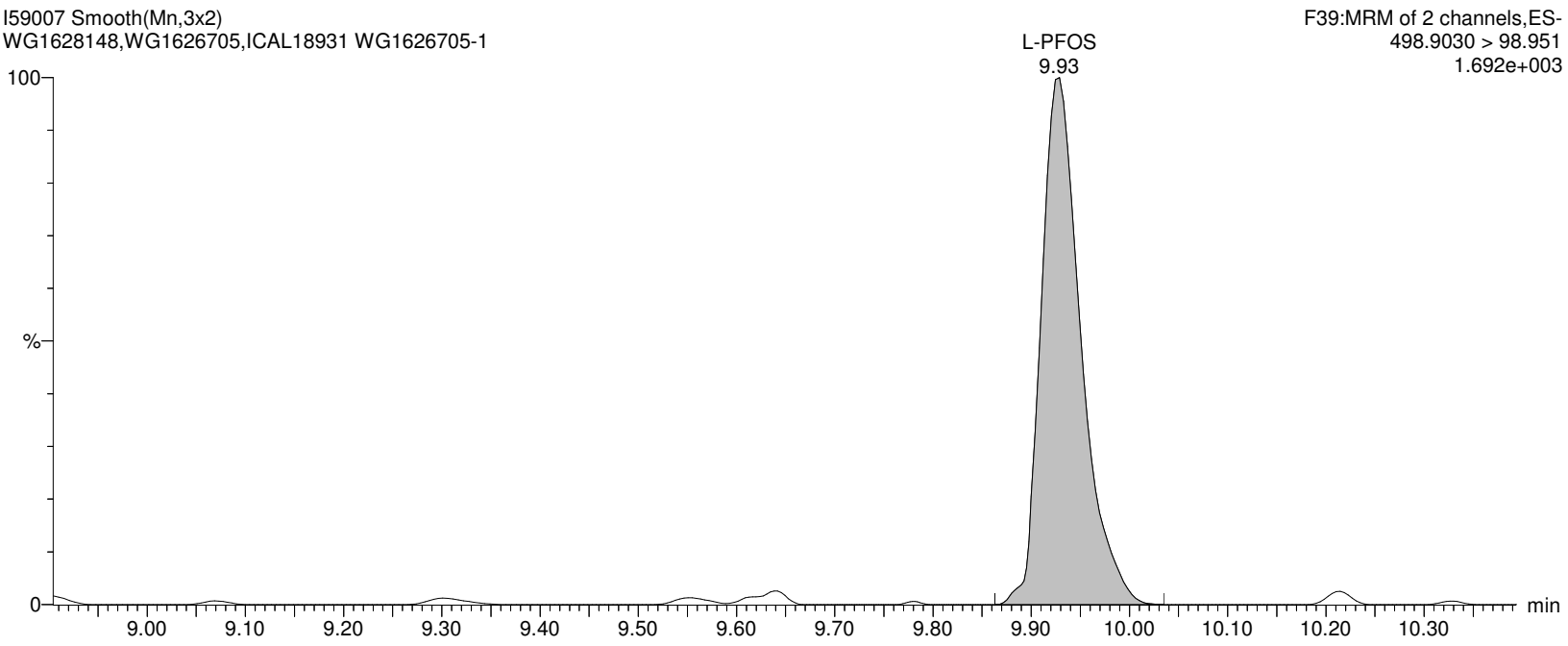
all concentration units in (ng/mL)

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L-PFOS



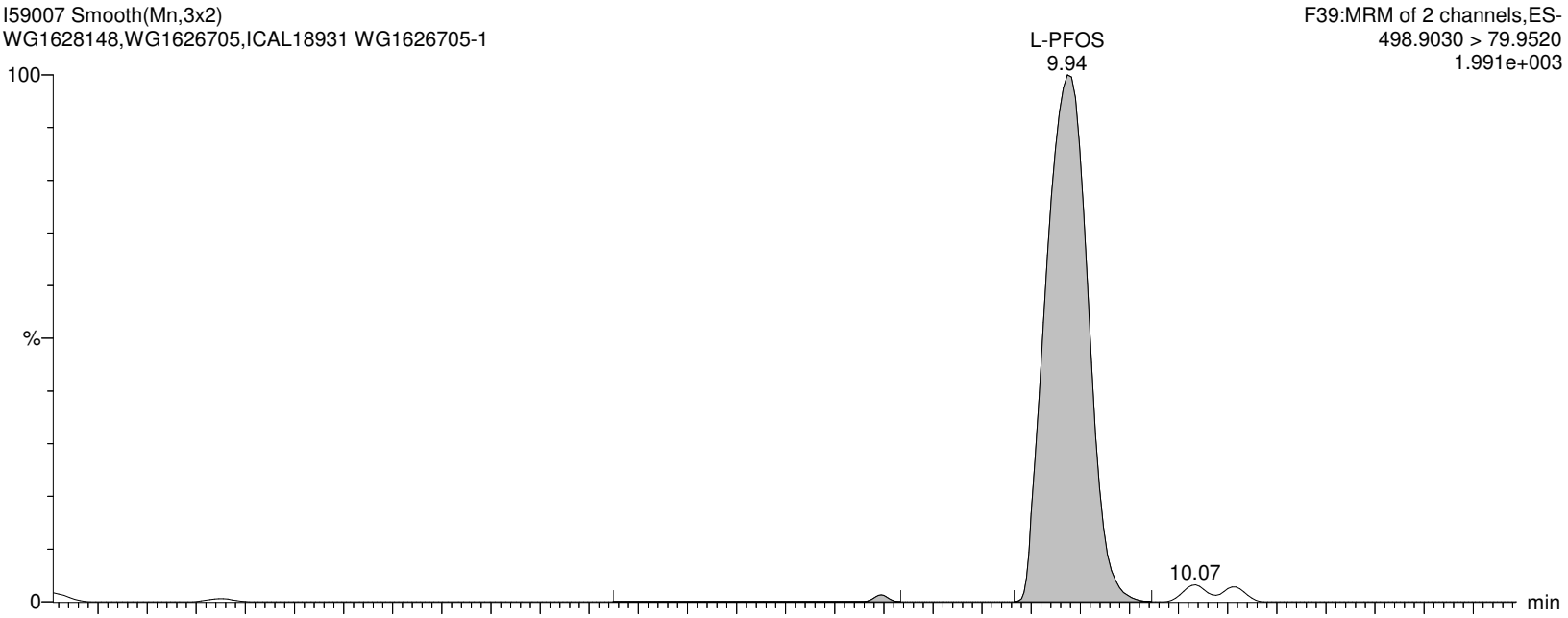


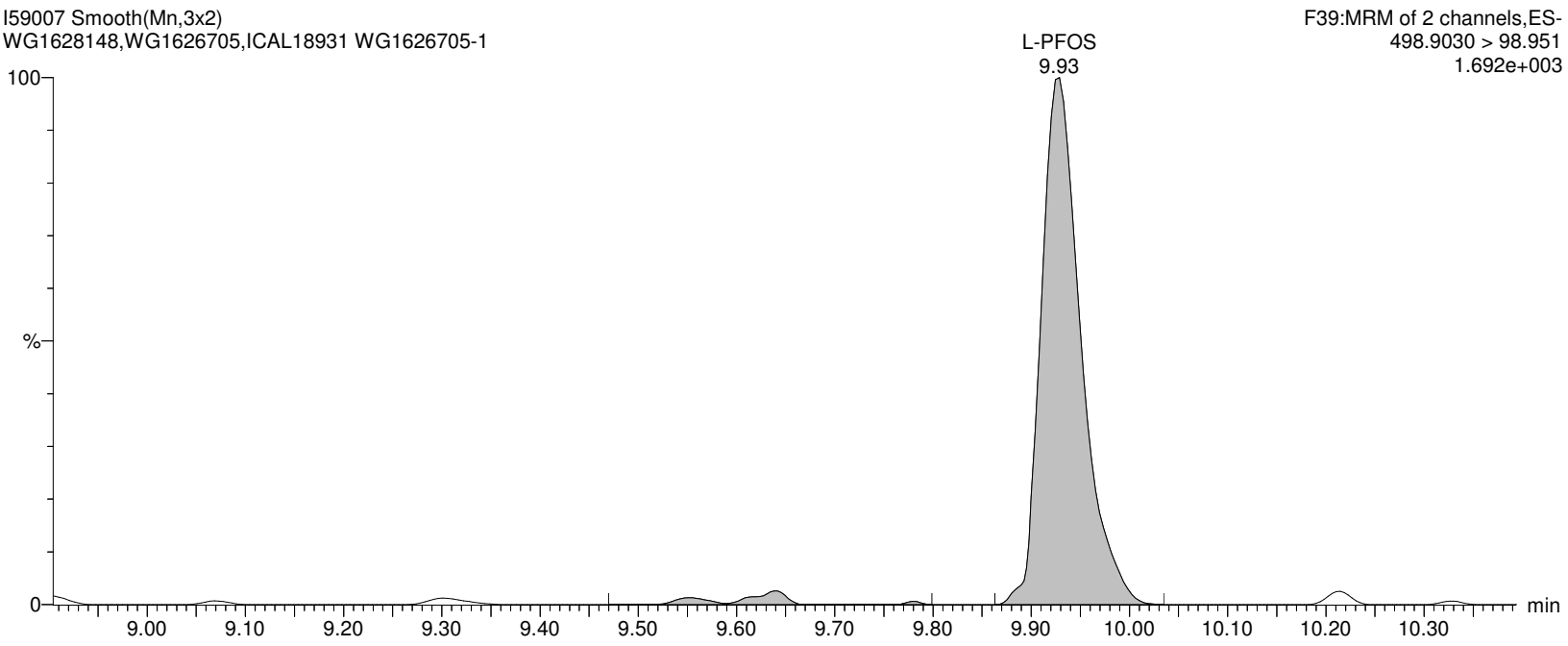
all concentration units in (ng/mL)

Alpha Analytical Inc.
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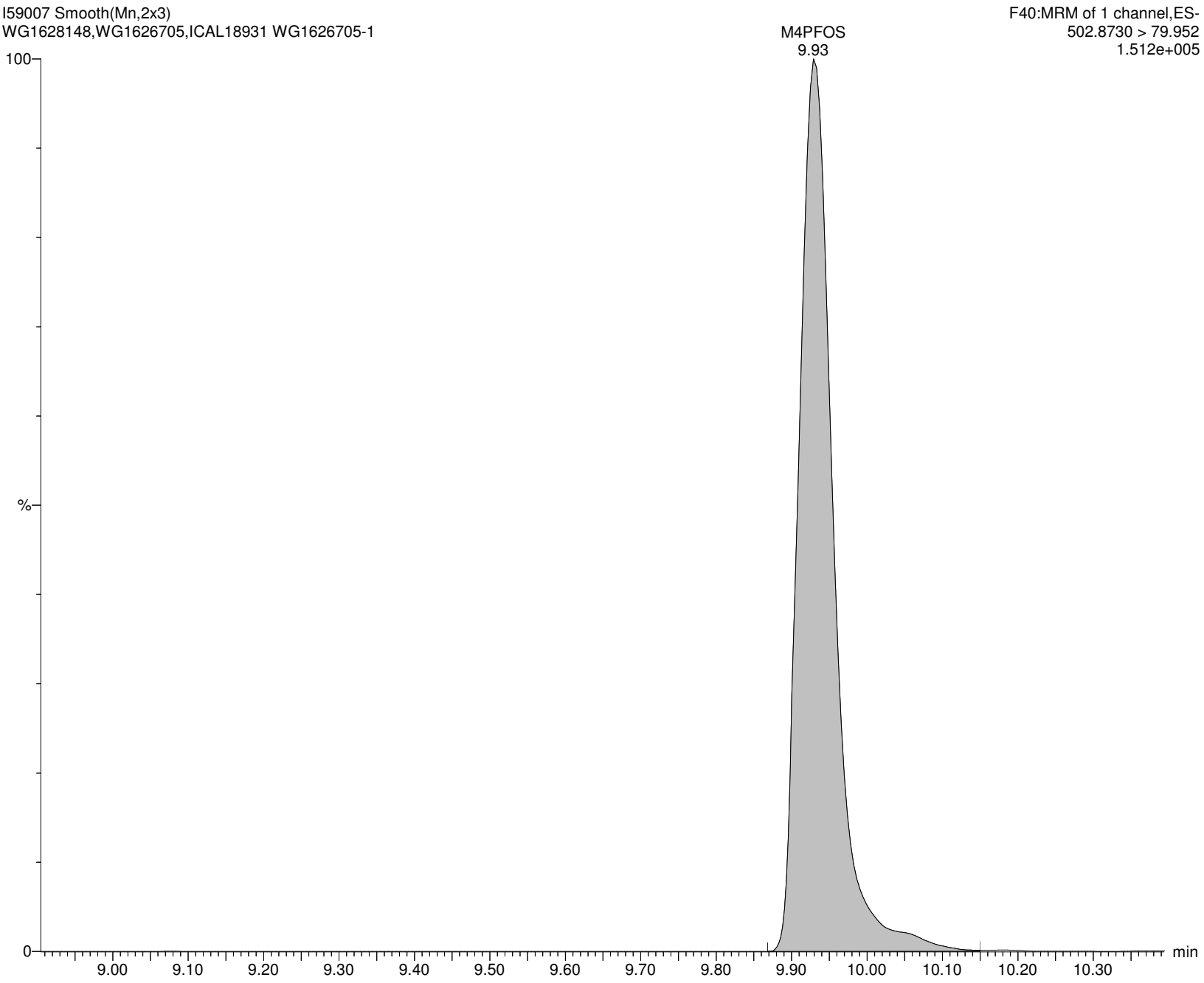


all concentration units in (ng/mL)

Alpha Analytical Inc.
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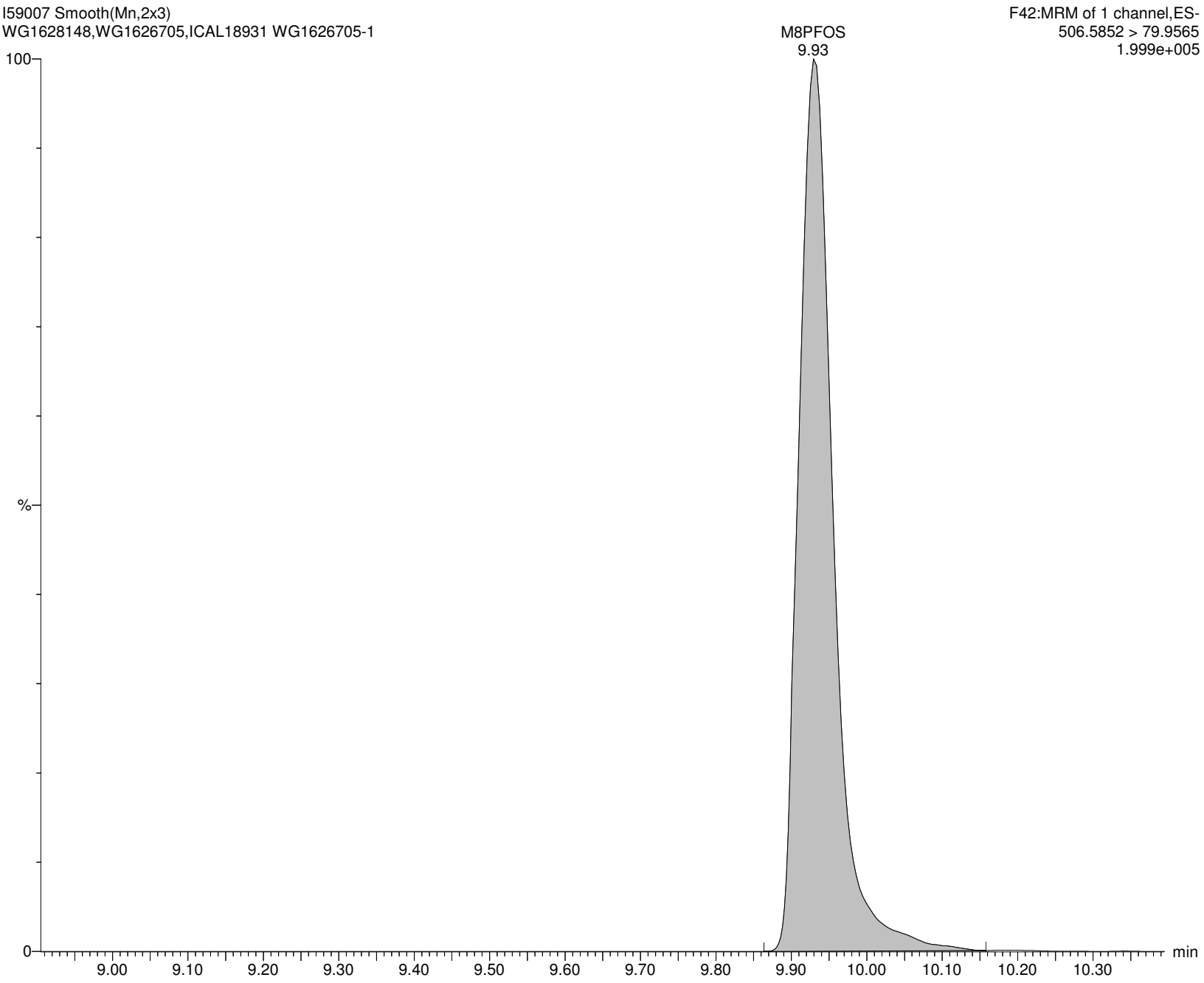


all concentration units in (ng/mL)

Alpha Analytical Inc.
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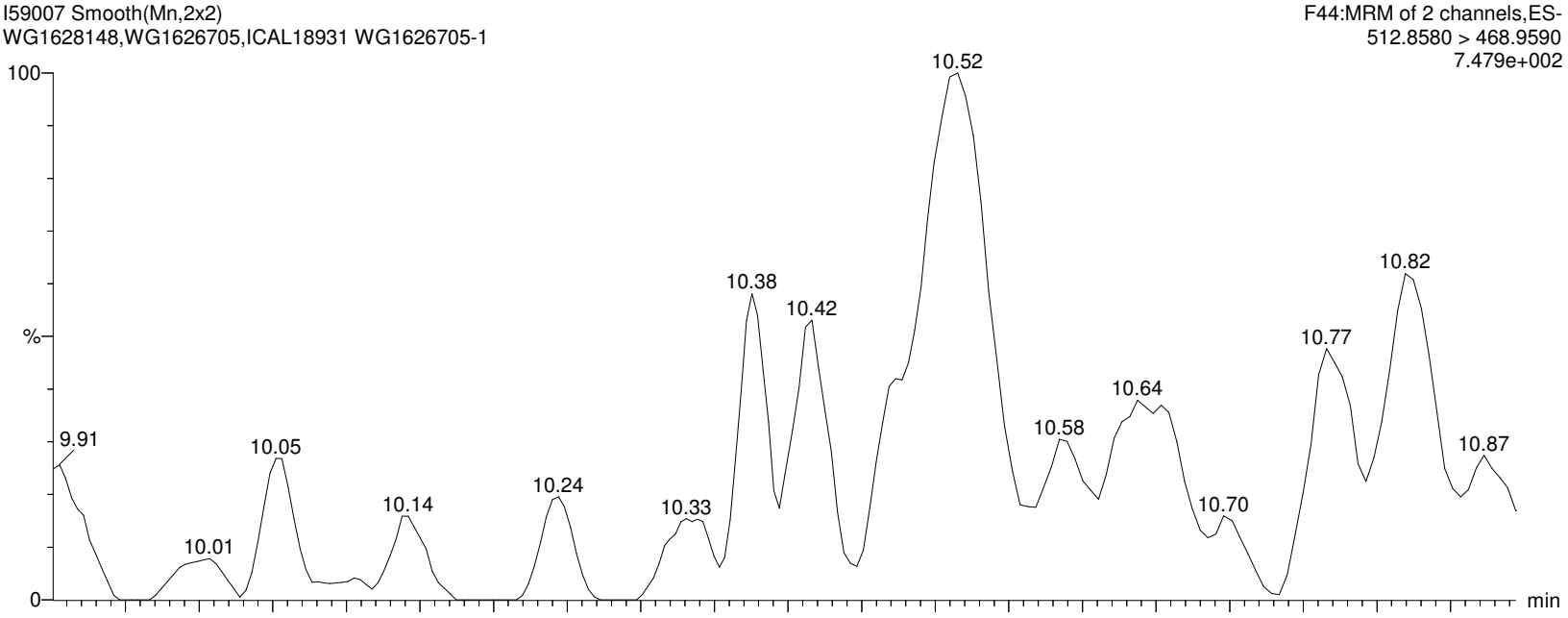


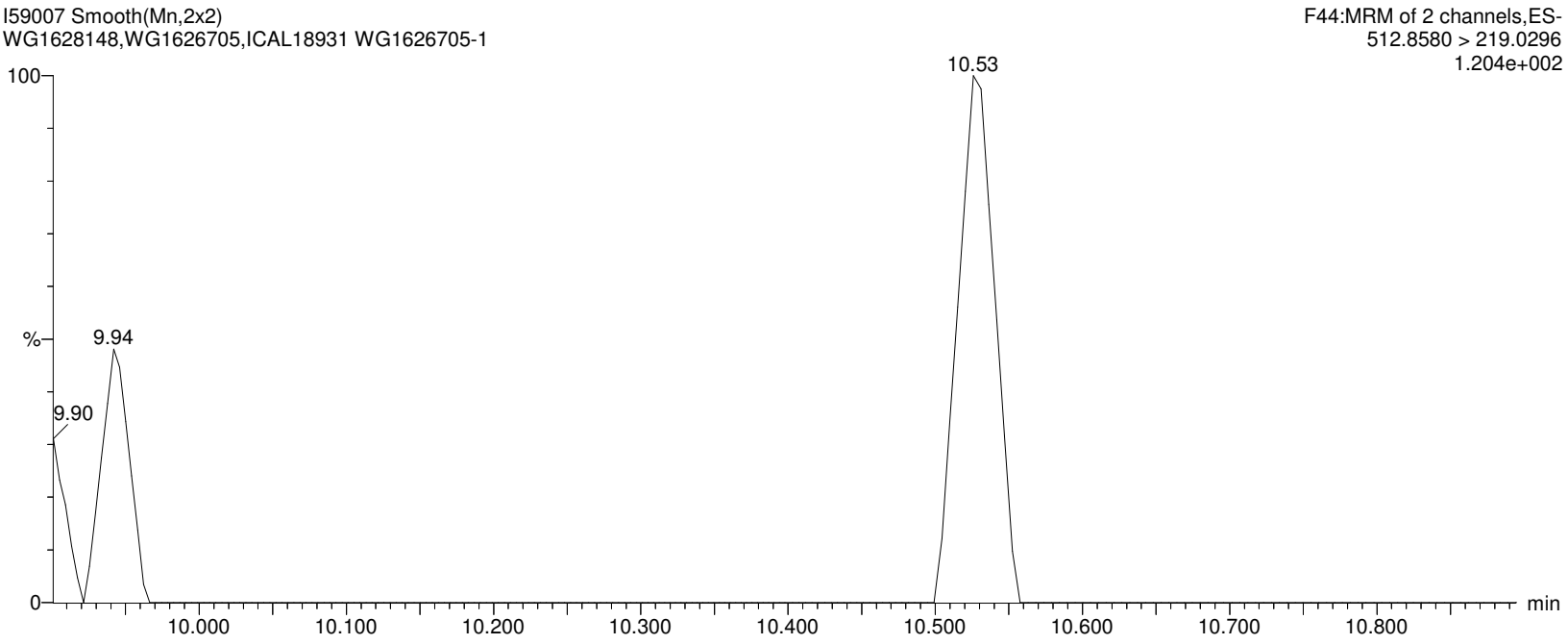
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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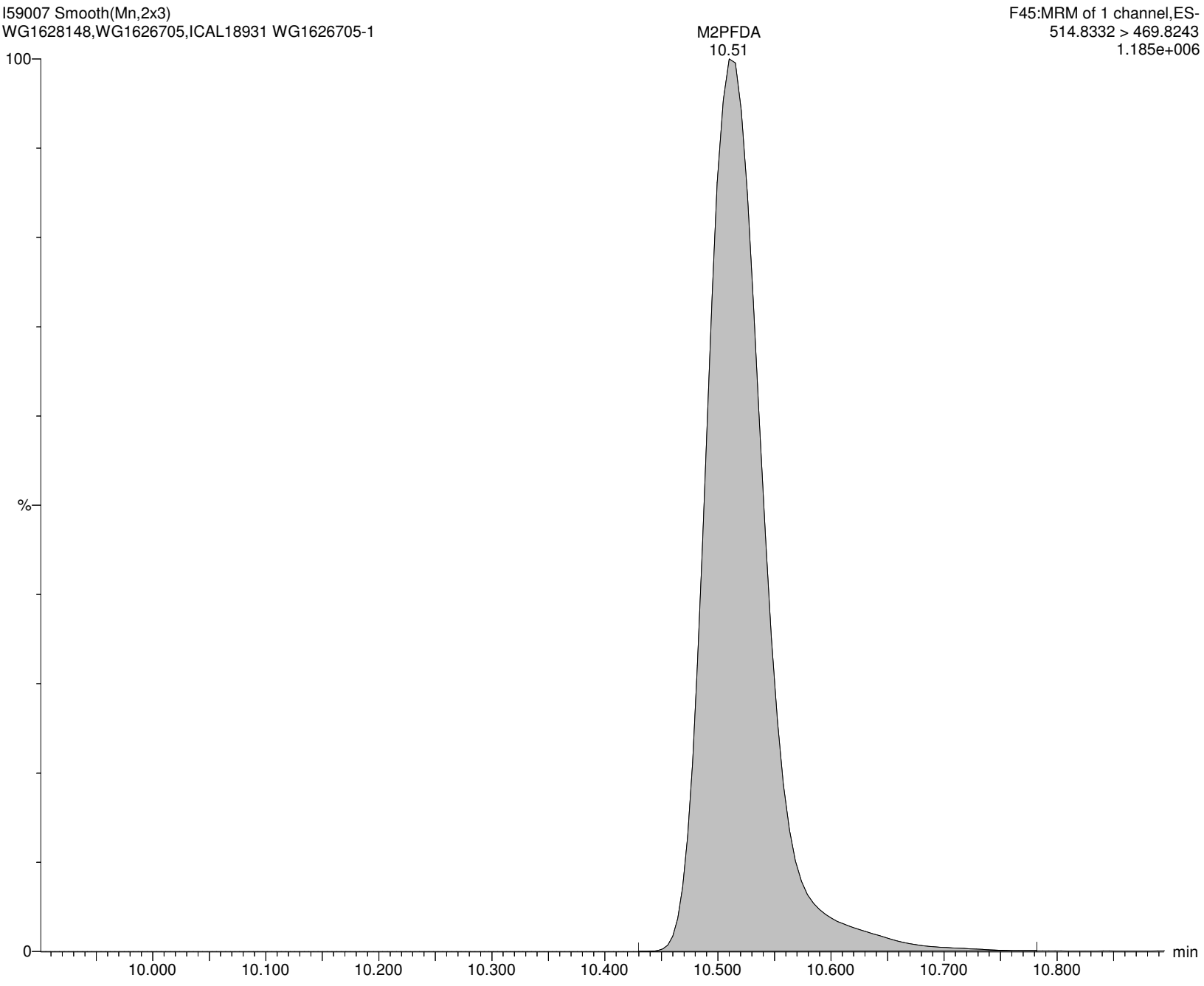


all concentration units in (ng/mL)

Alpha Analytical Inc.
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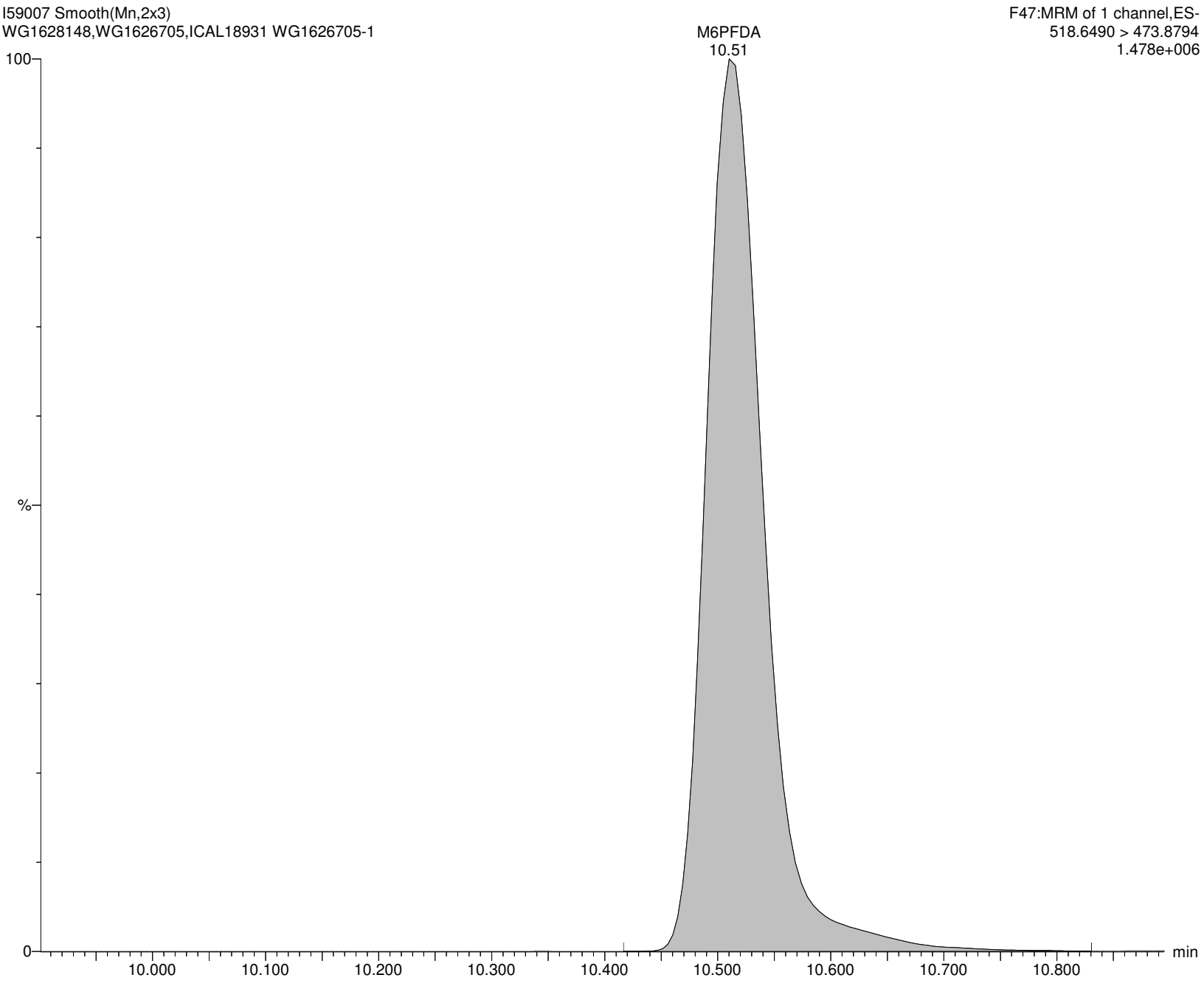


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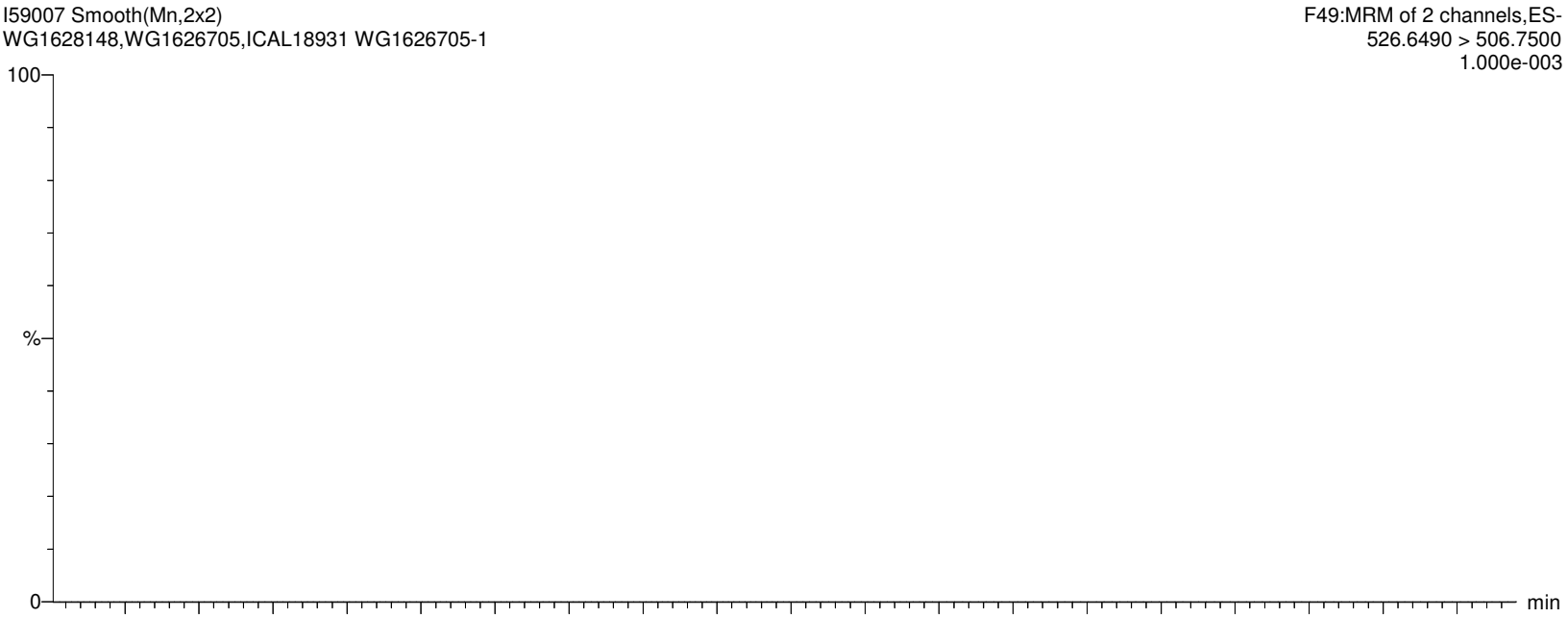


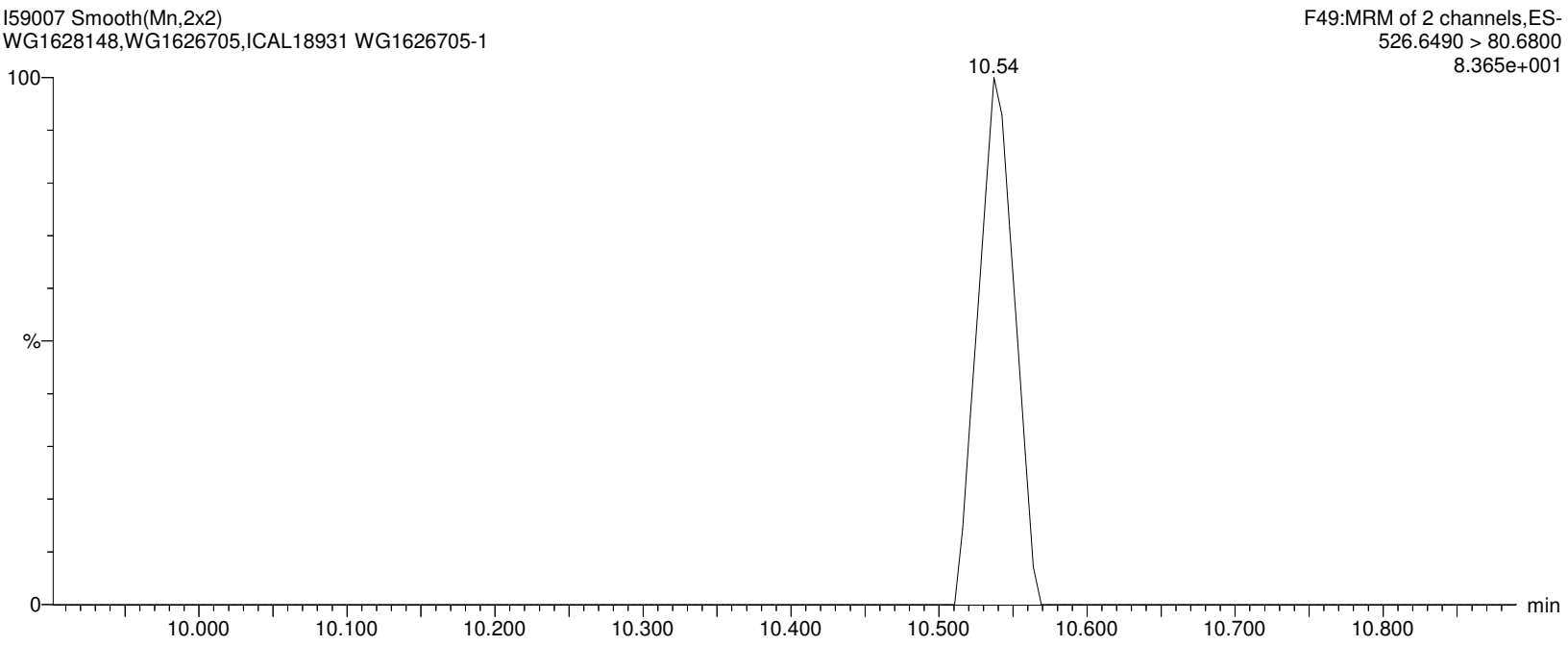
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

Name: I59007
ID: WG1626705-1
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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8:2FTS



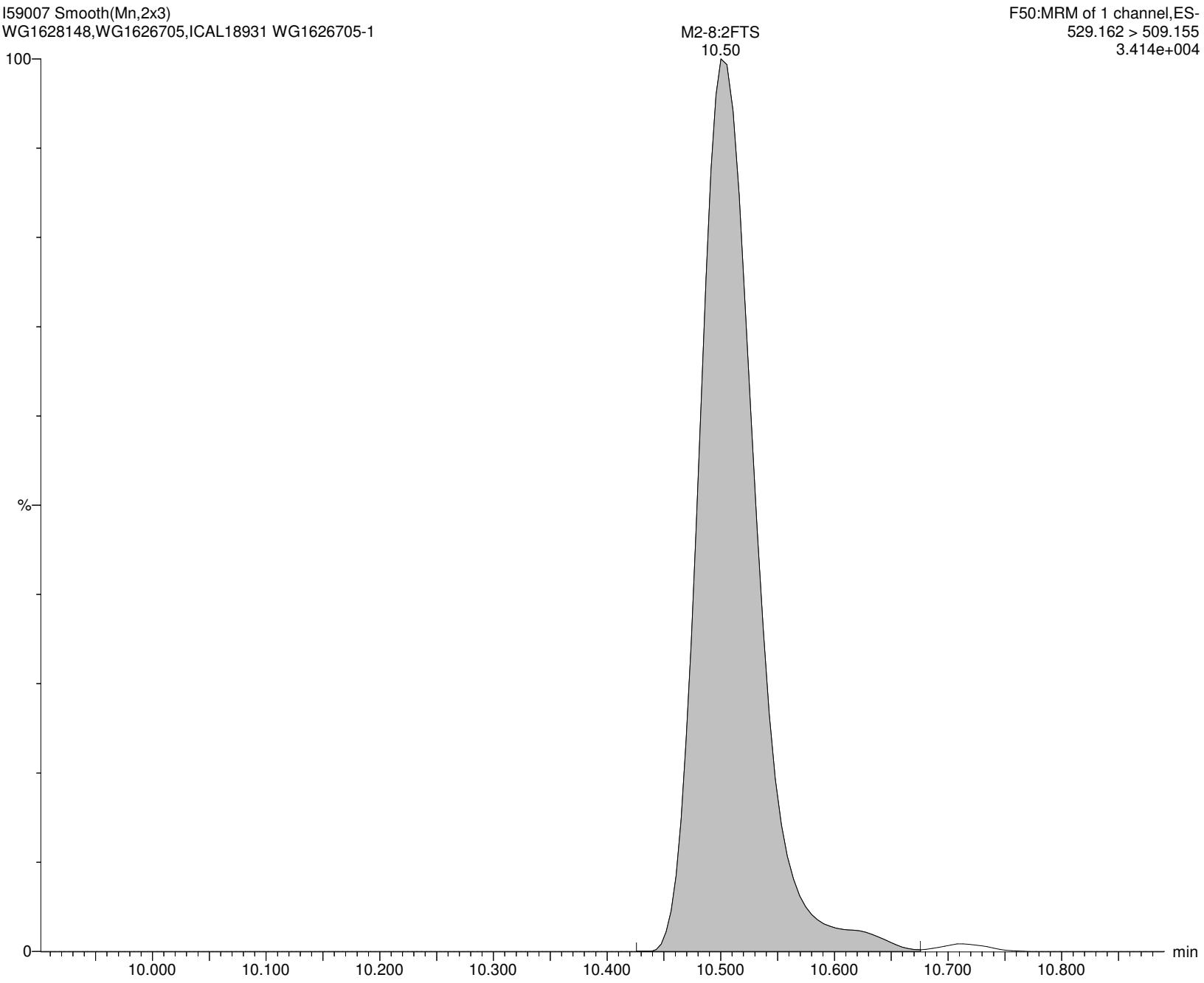


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Vial: 1:B,1
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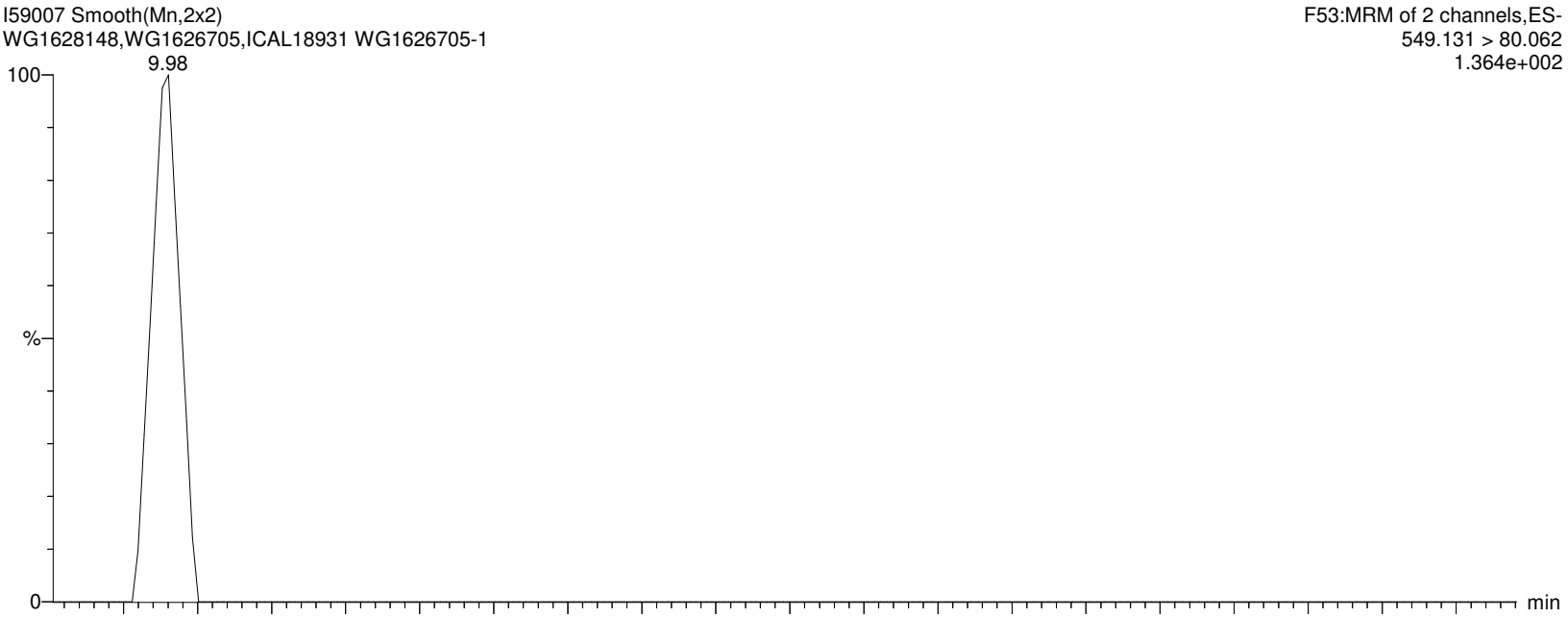


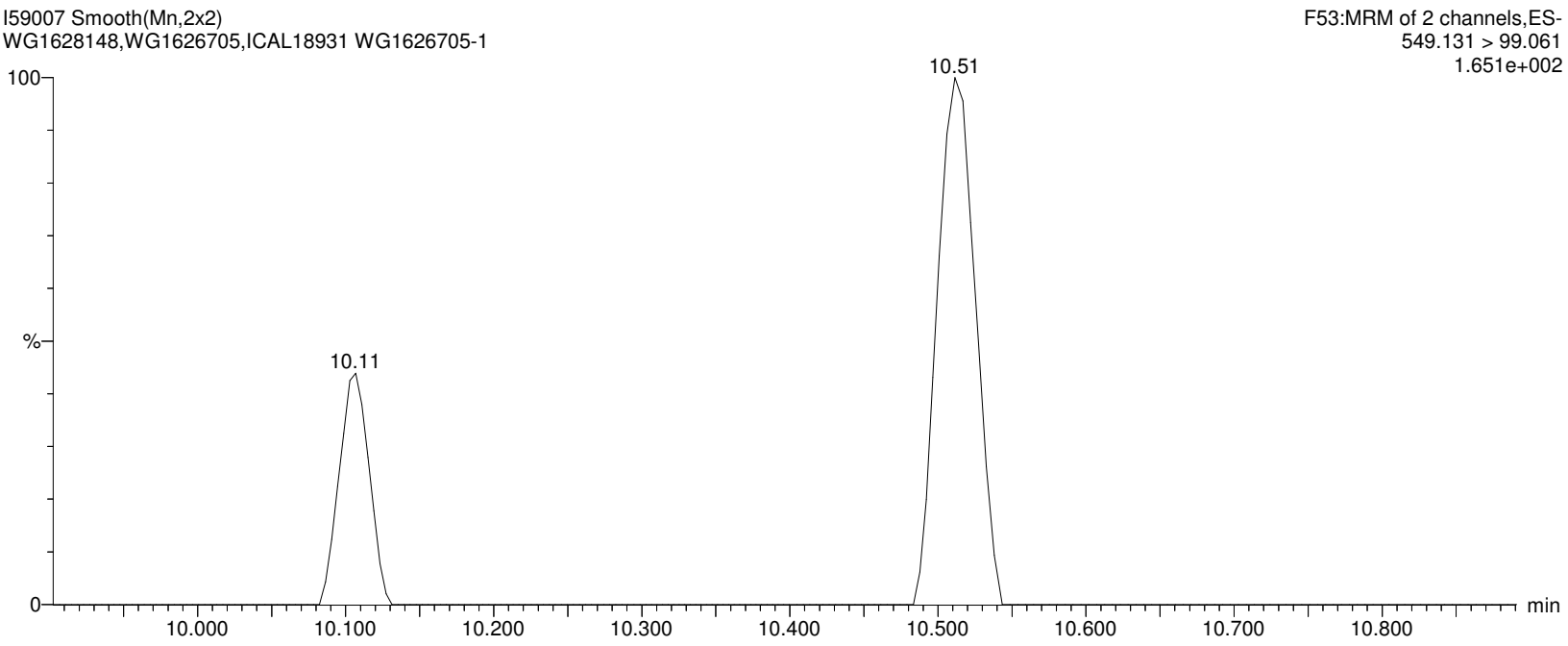
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFNS



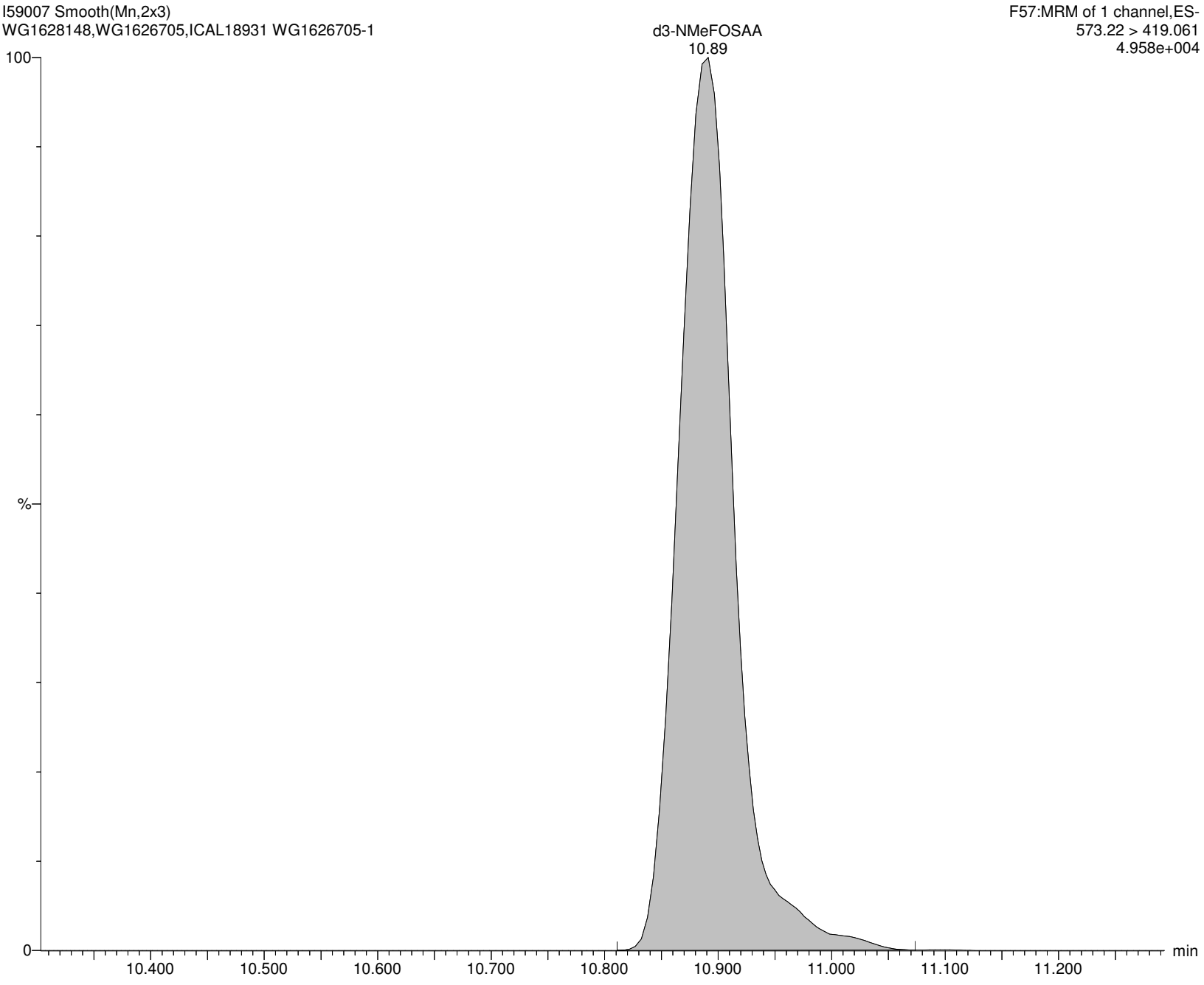


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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d3-NMeFOSAA

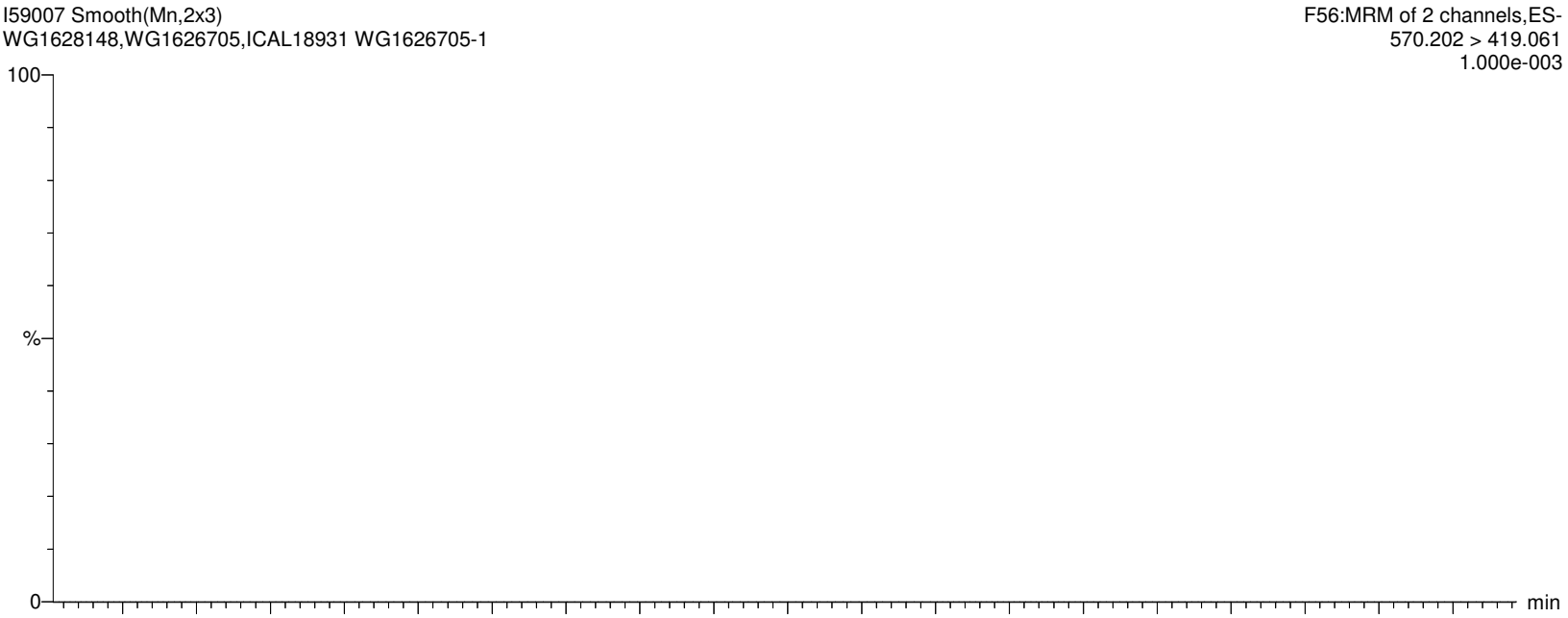


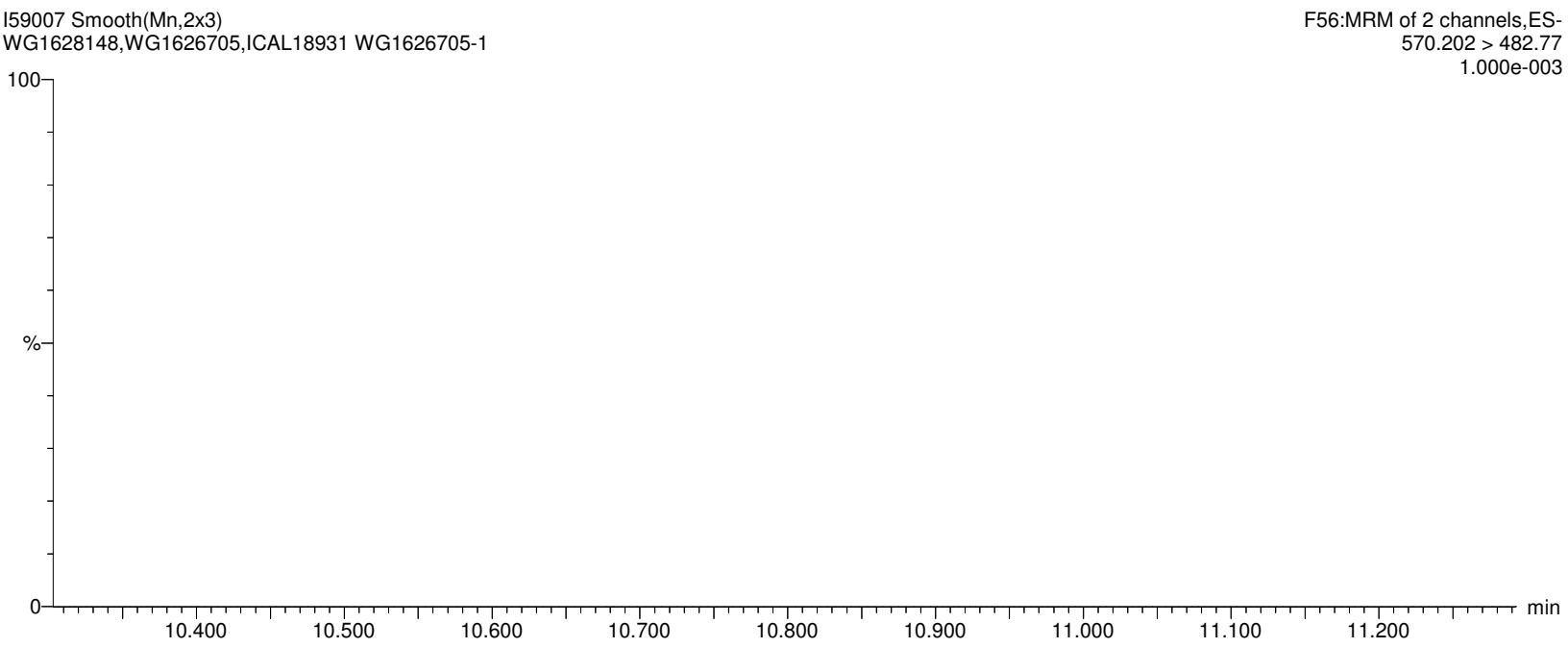
all concentration units in (ng/mL)

Alpha Analytical Inc.
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br-NMeFOSAA



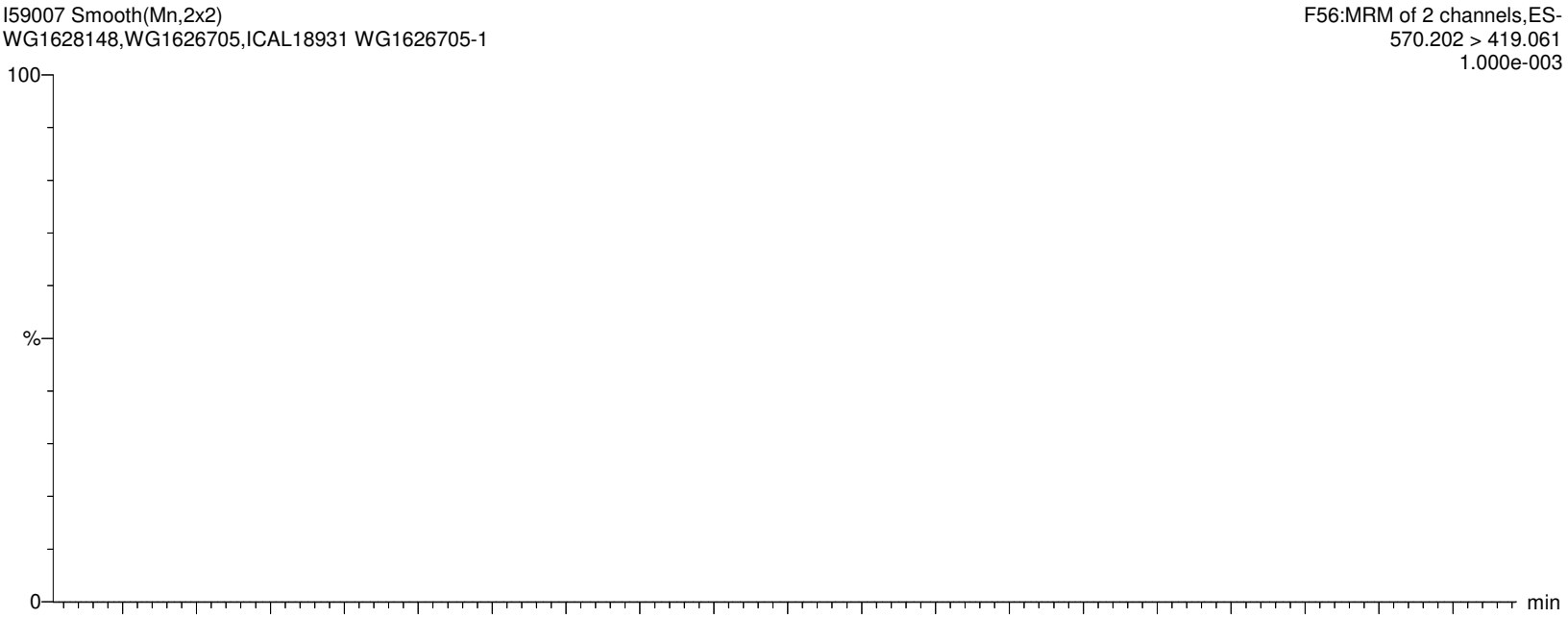


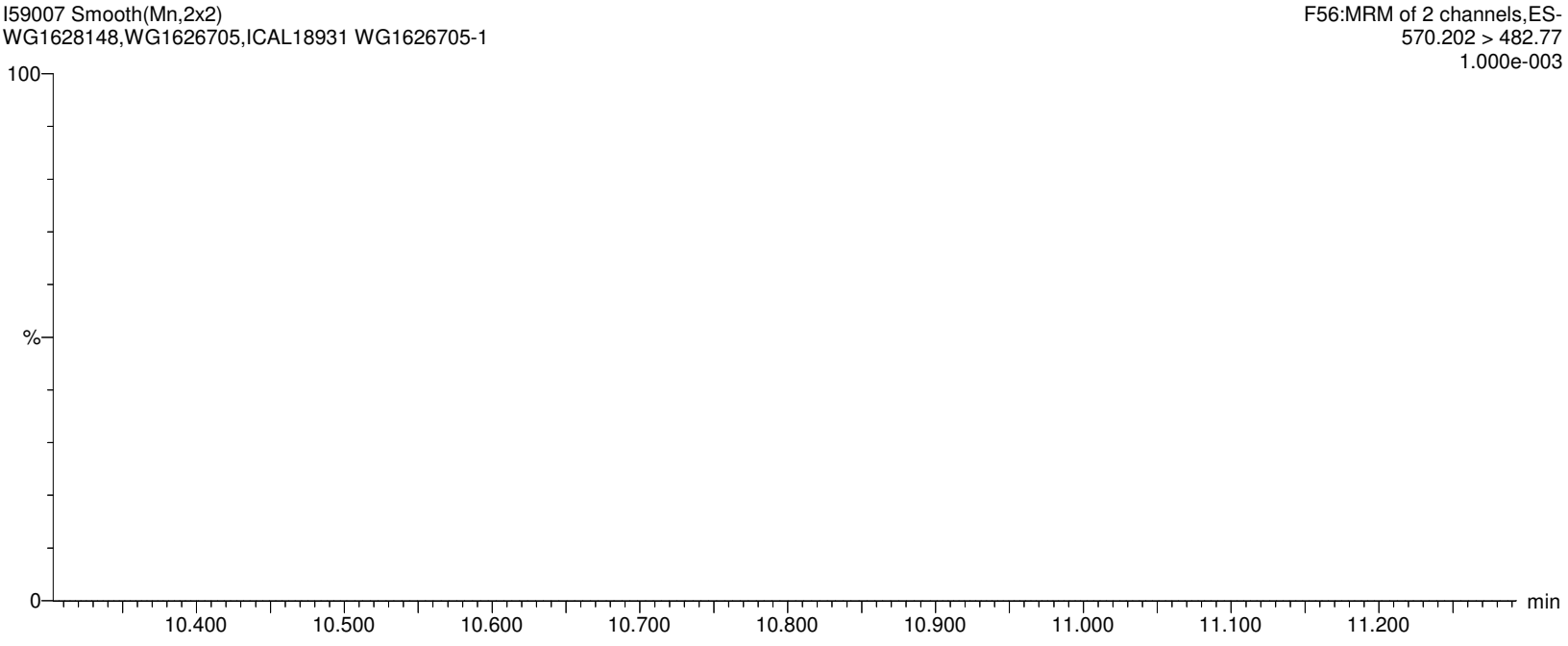
all concentration units in (ng/mL)

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L-NMeFOSAA



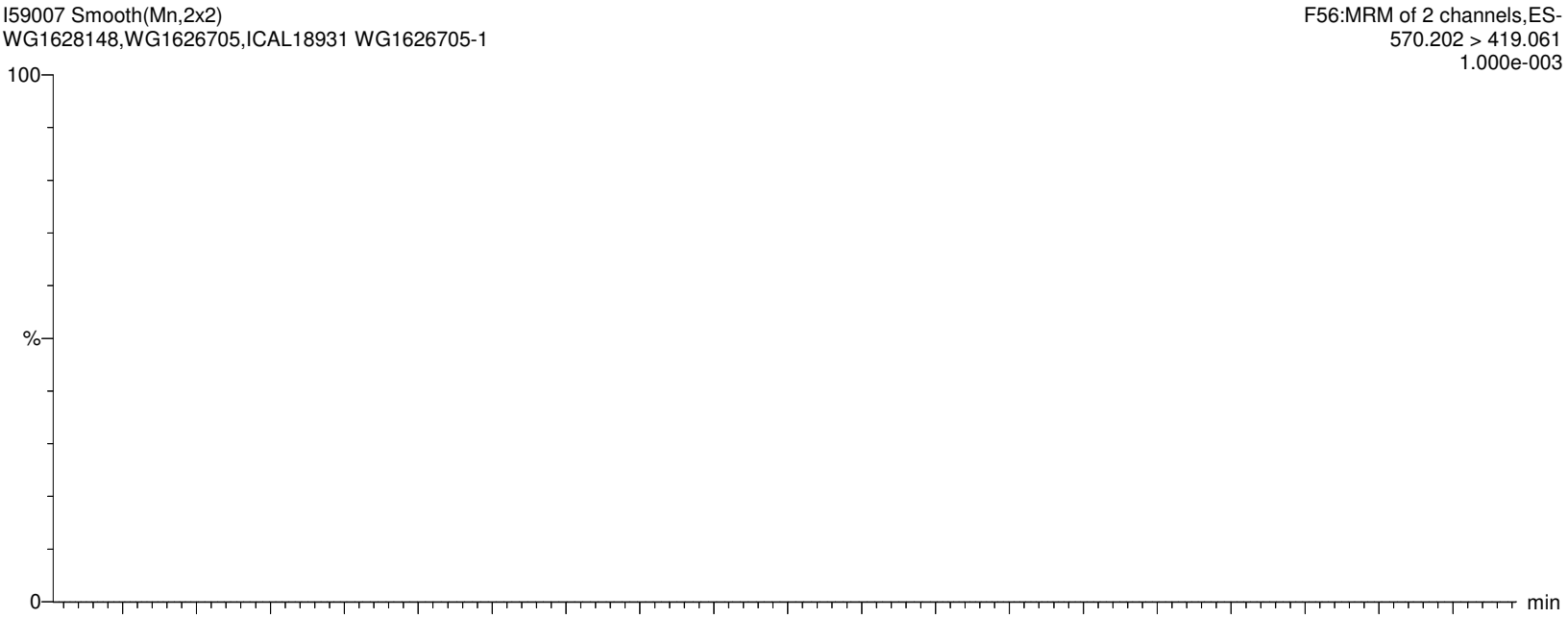


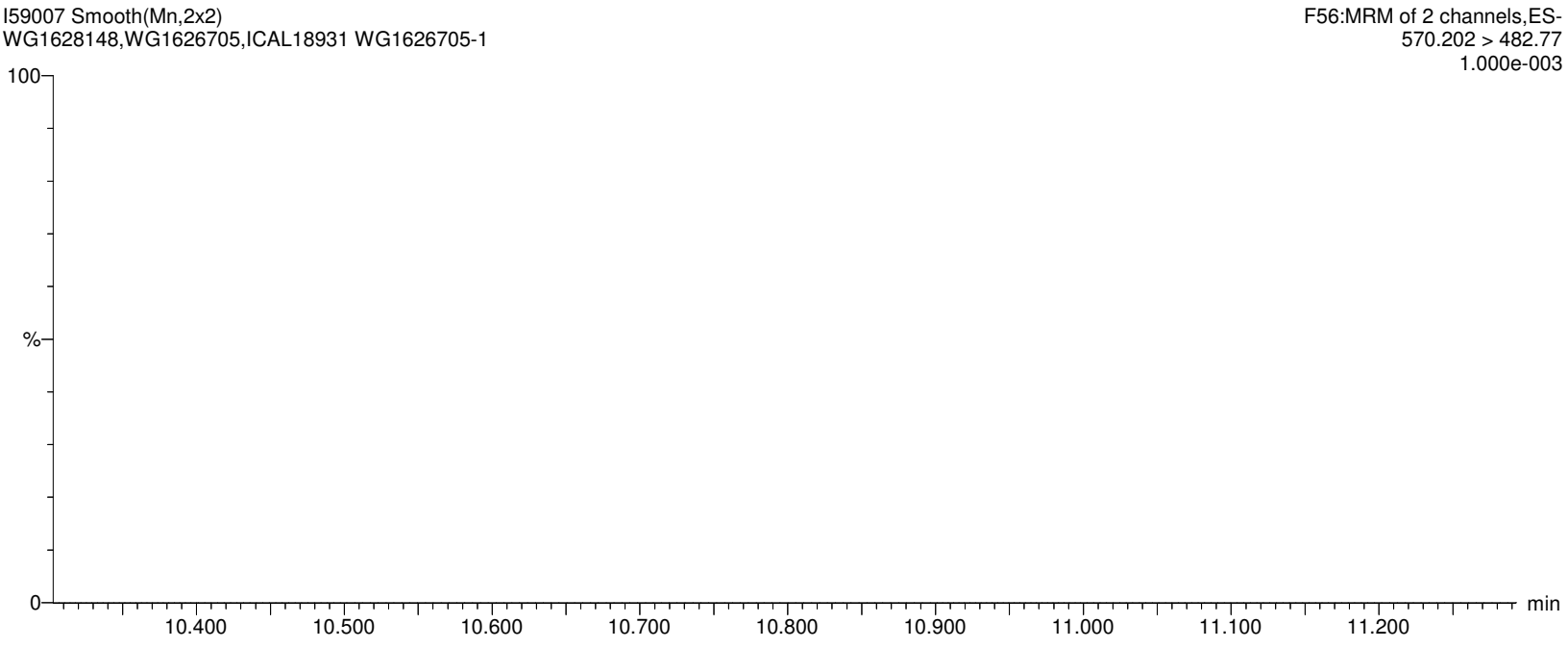
all concentration units in (ng/mL)

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NMeFOSAA



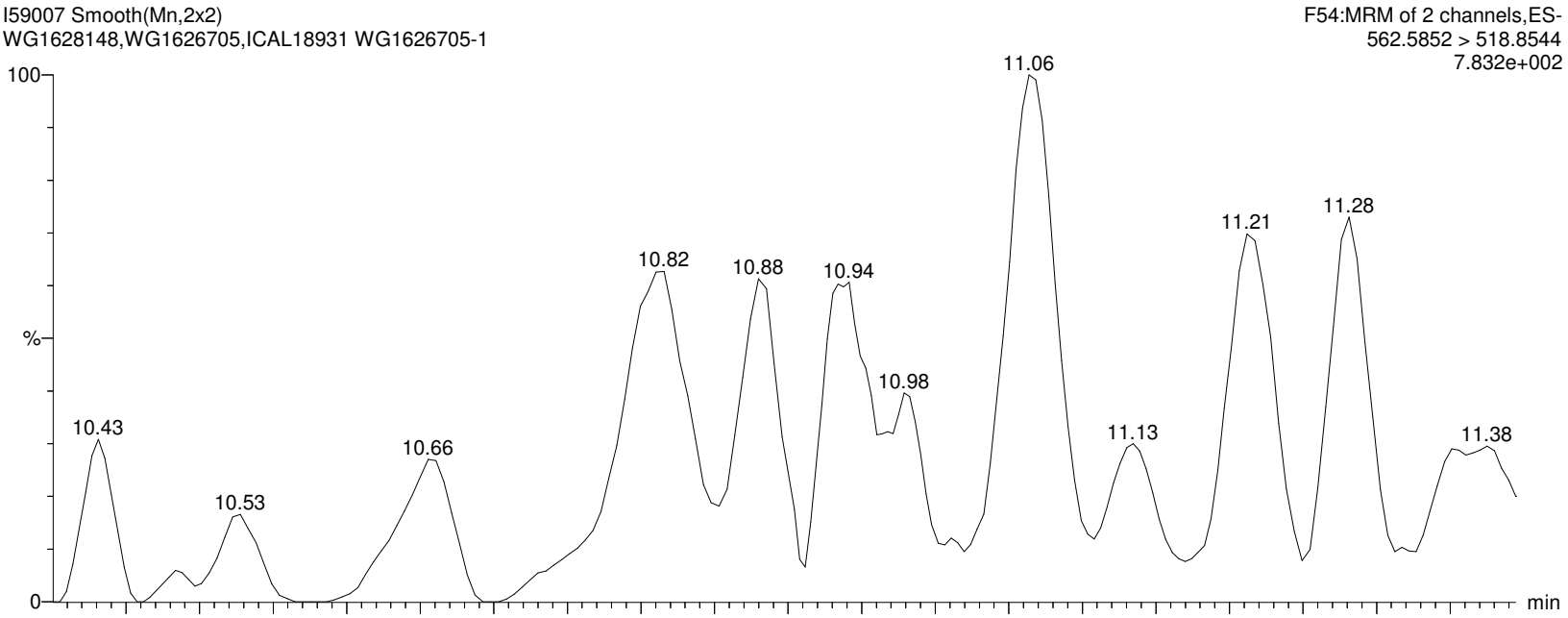


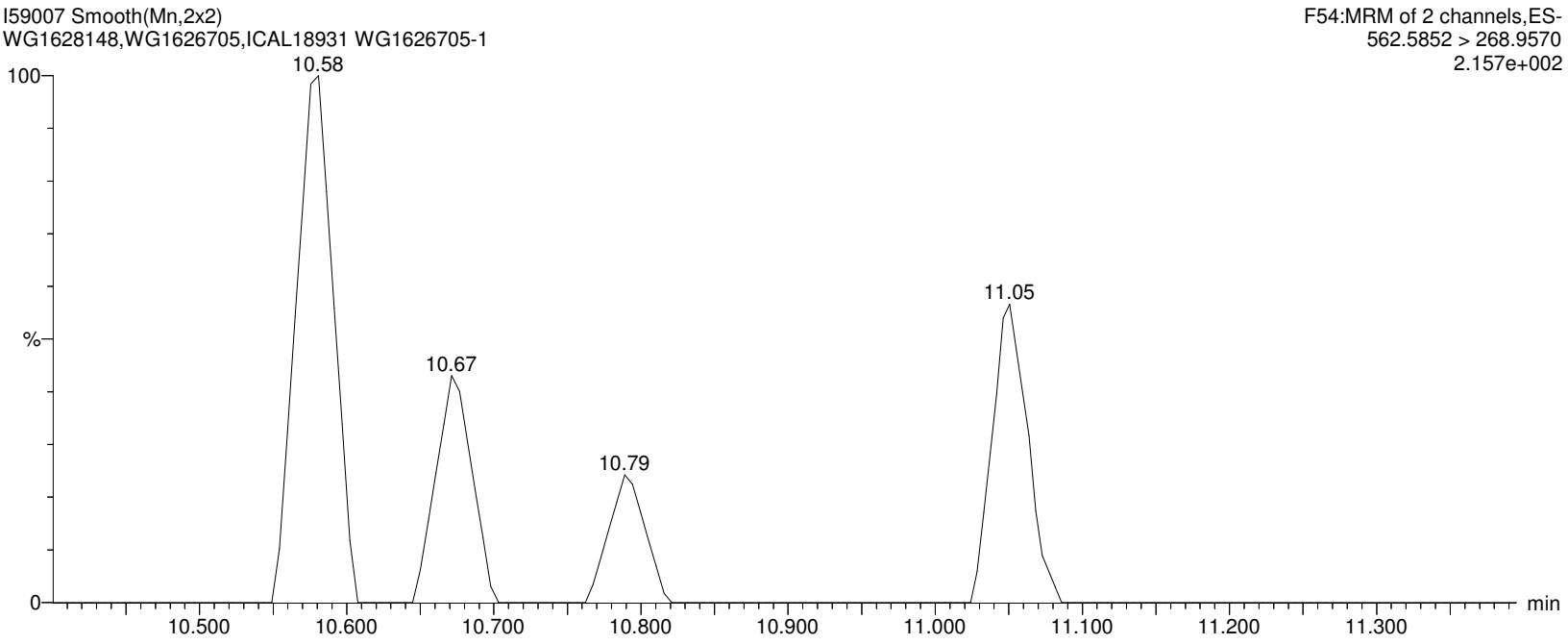
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 17-Apr-2022
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User: LCMS02:SG
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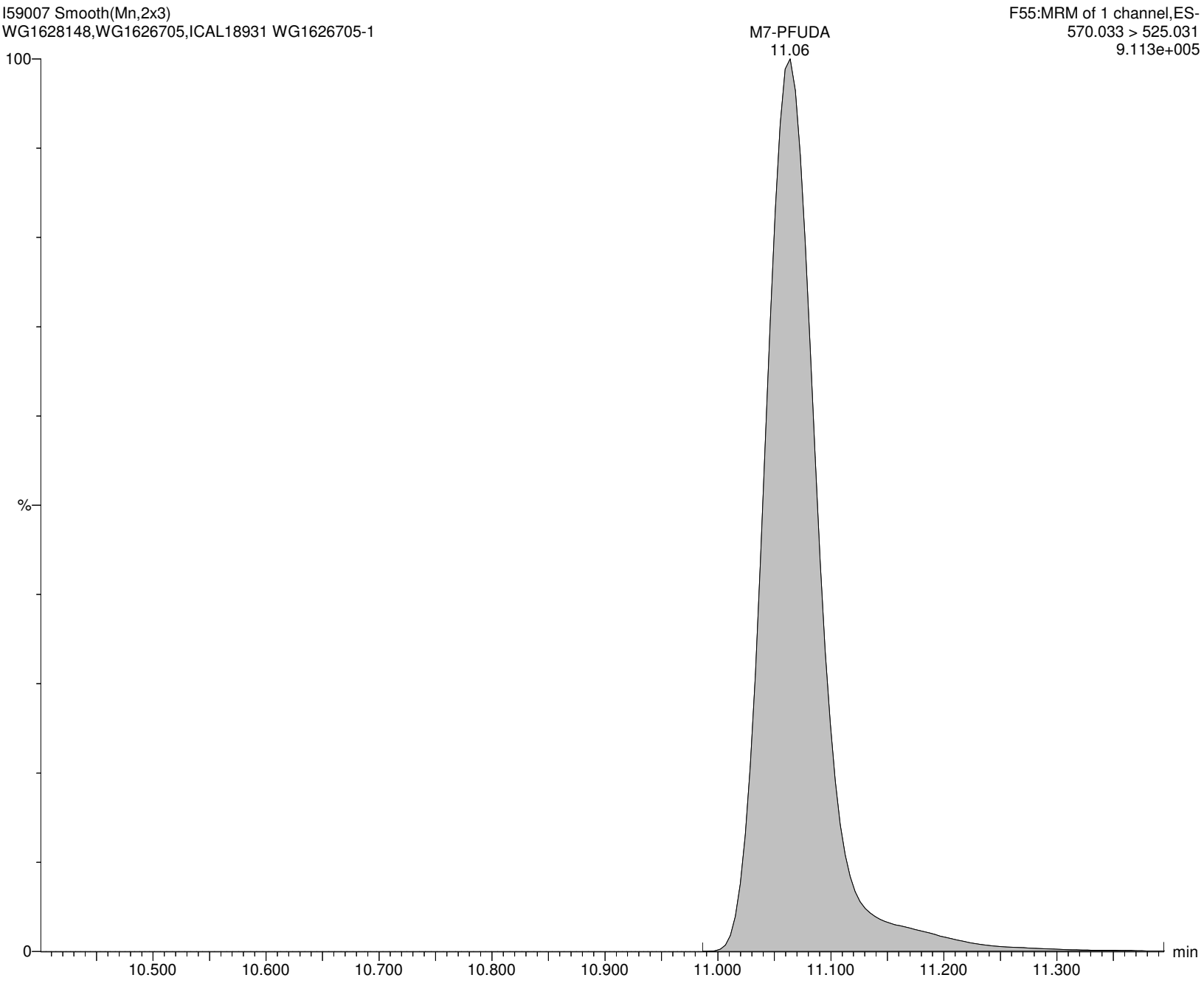


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Date: 17-Apr-2022
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M7-PFUDA

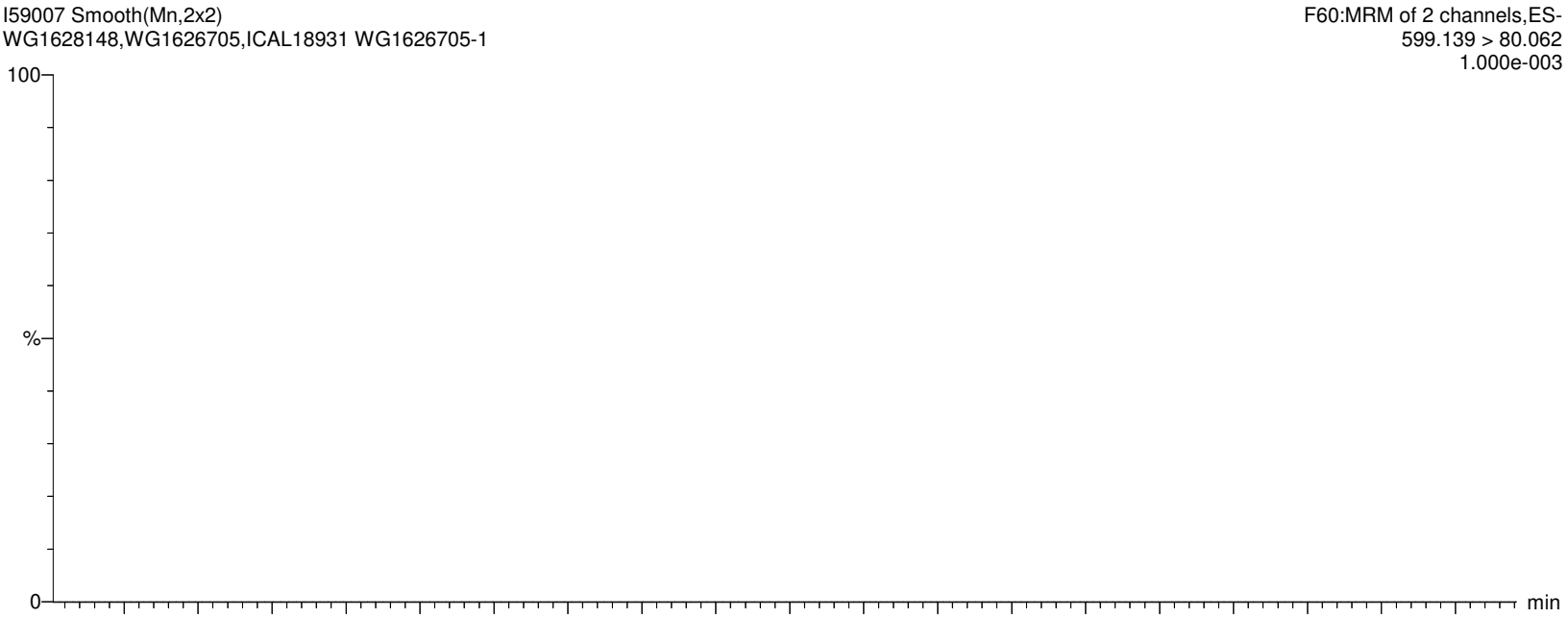


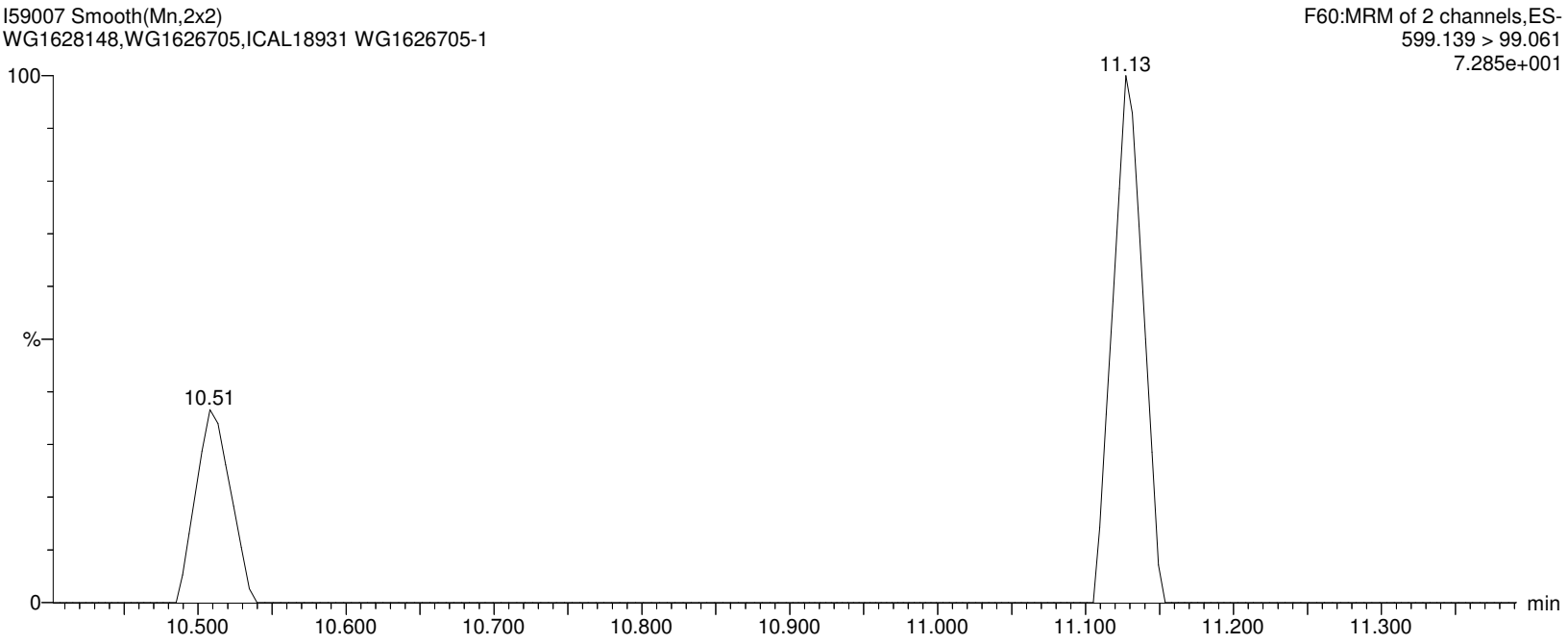
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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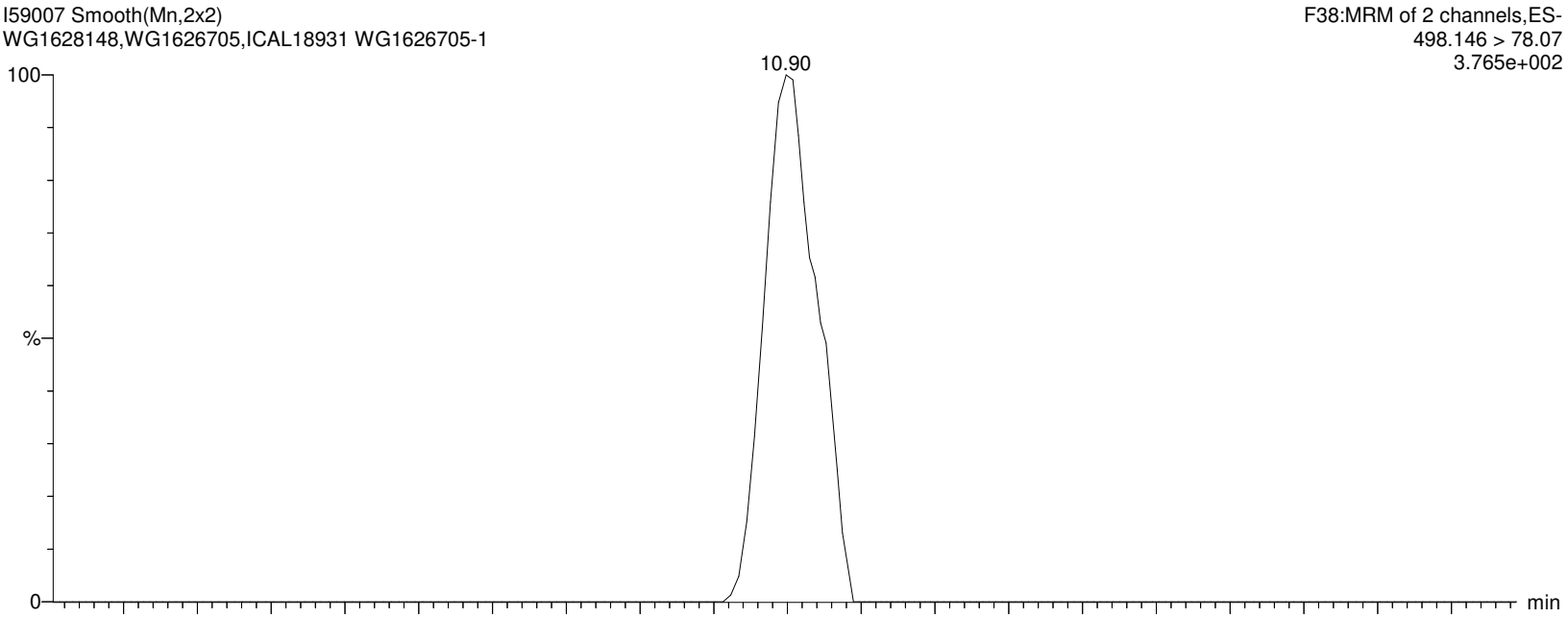


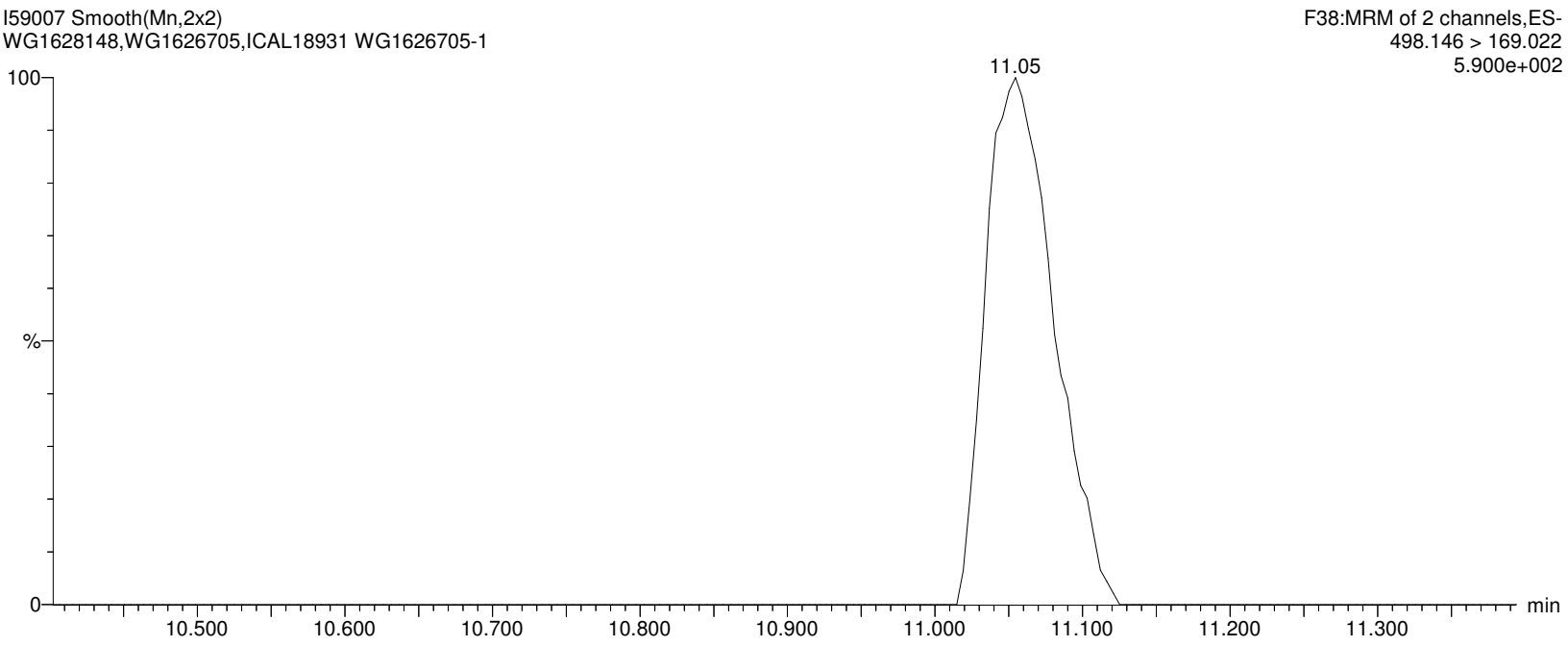
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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FOSA



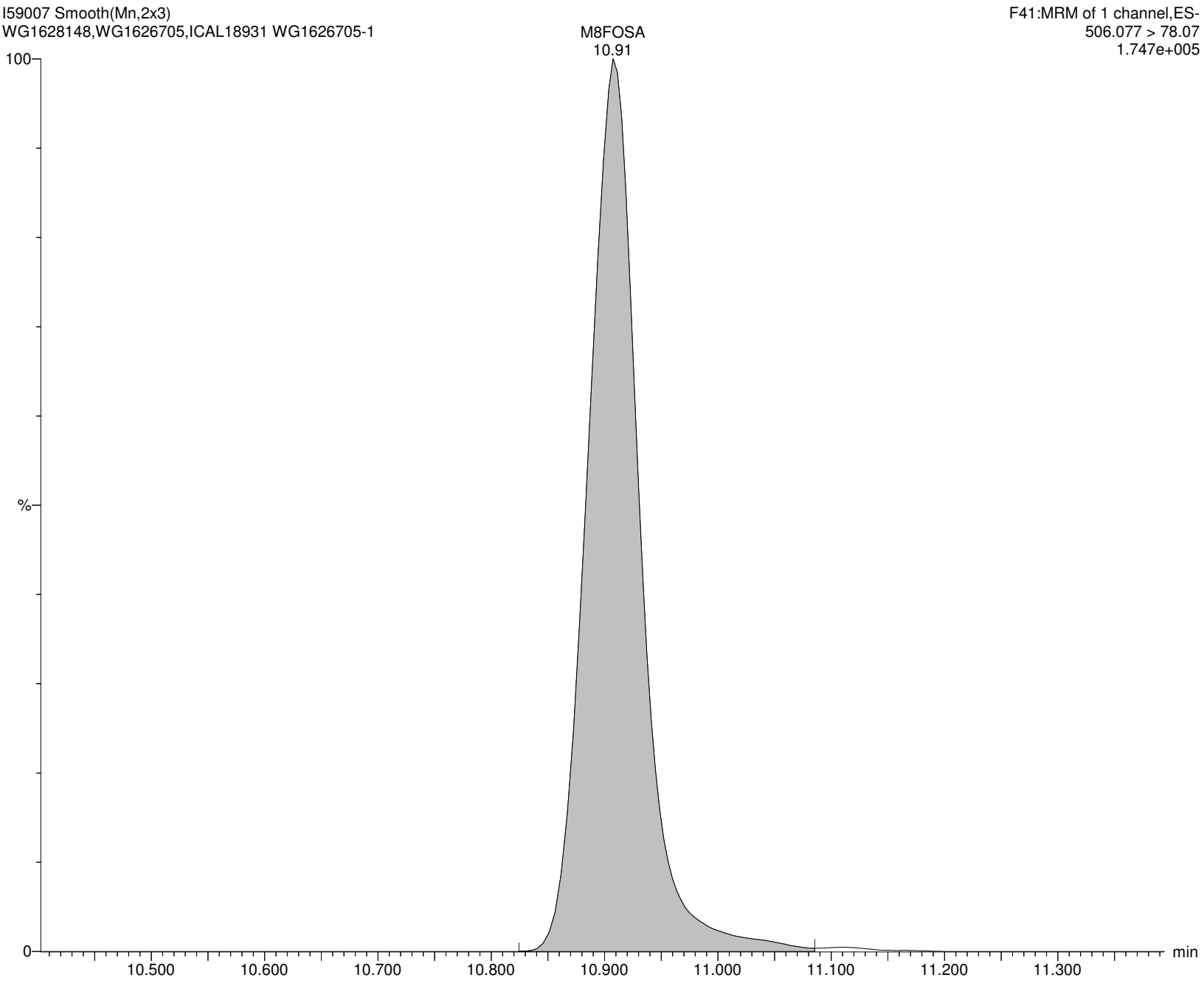


all concentration units in (ng/mL)

Alpha Analytical Inc.
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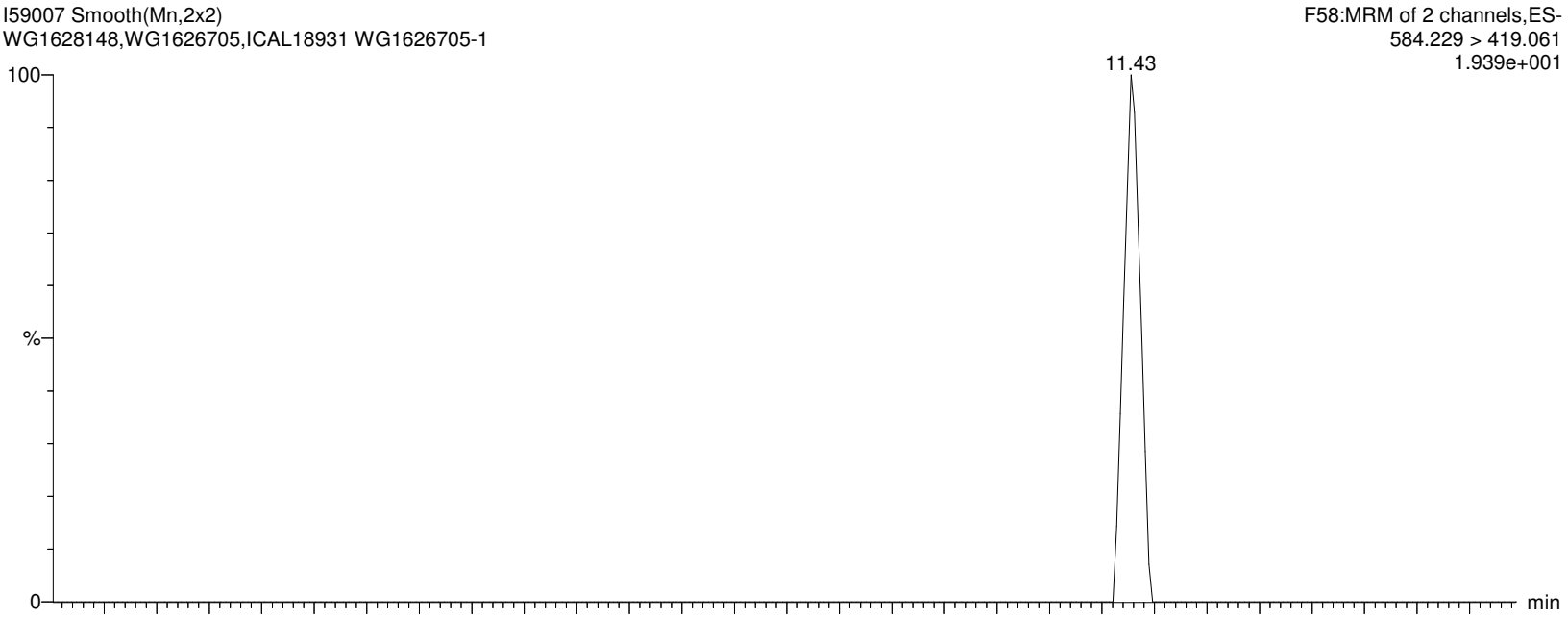


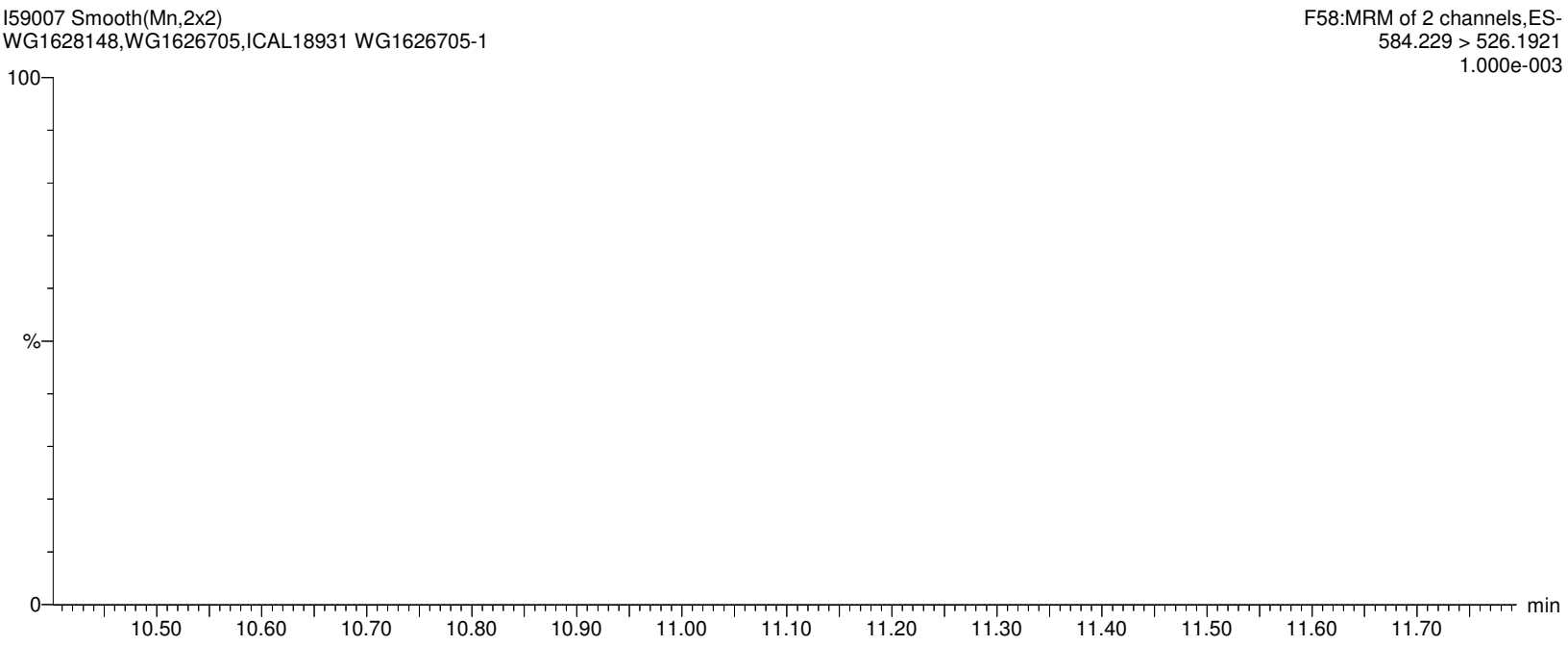
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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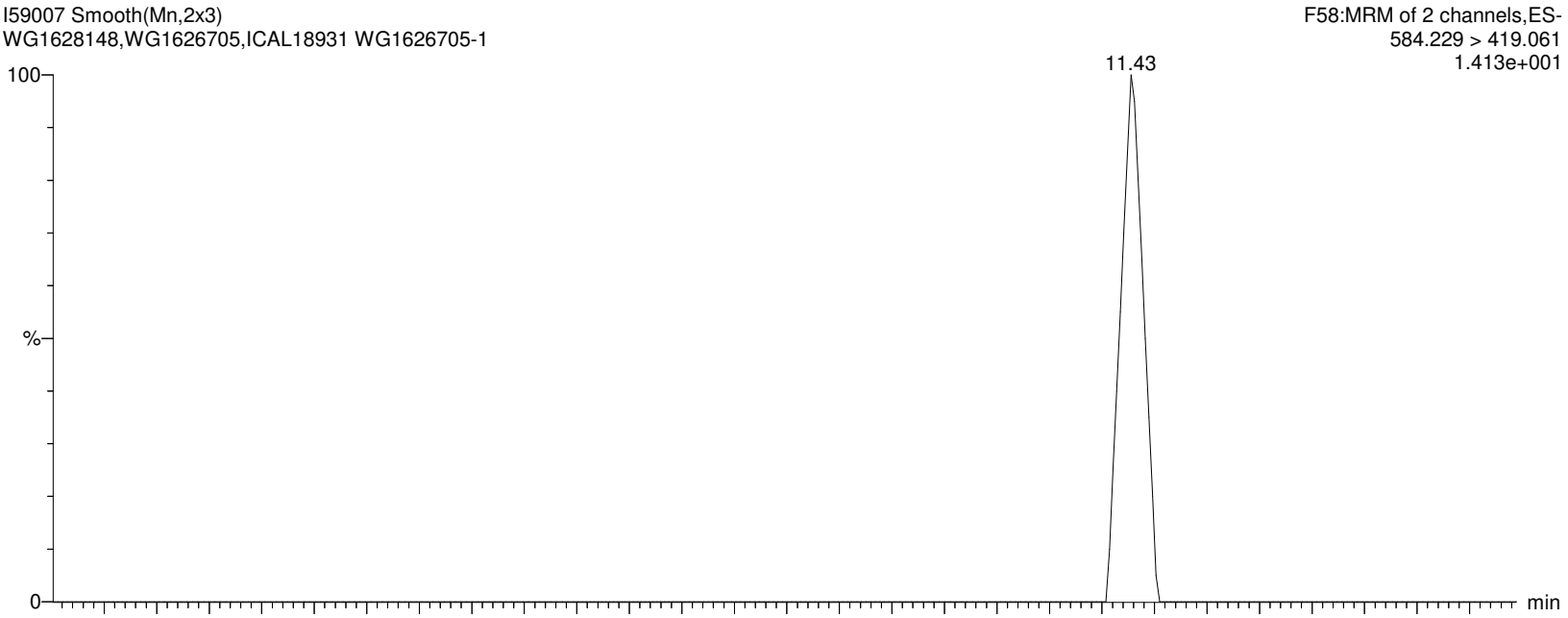


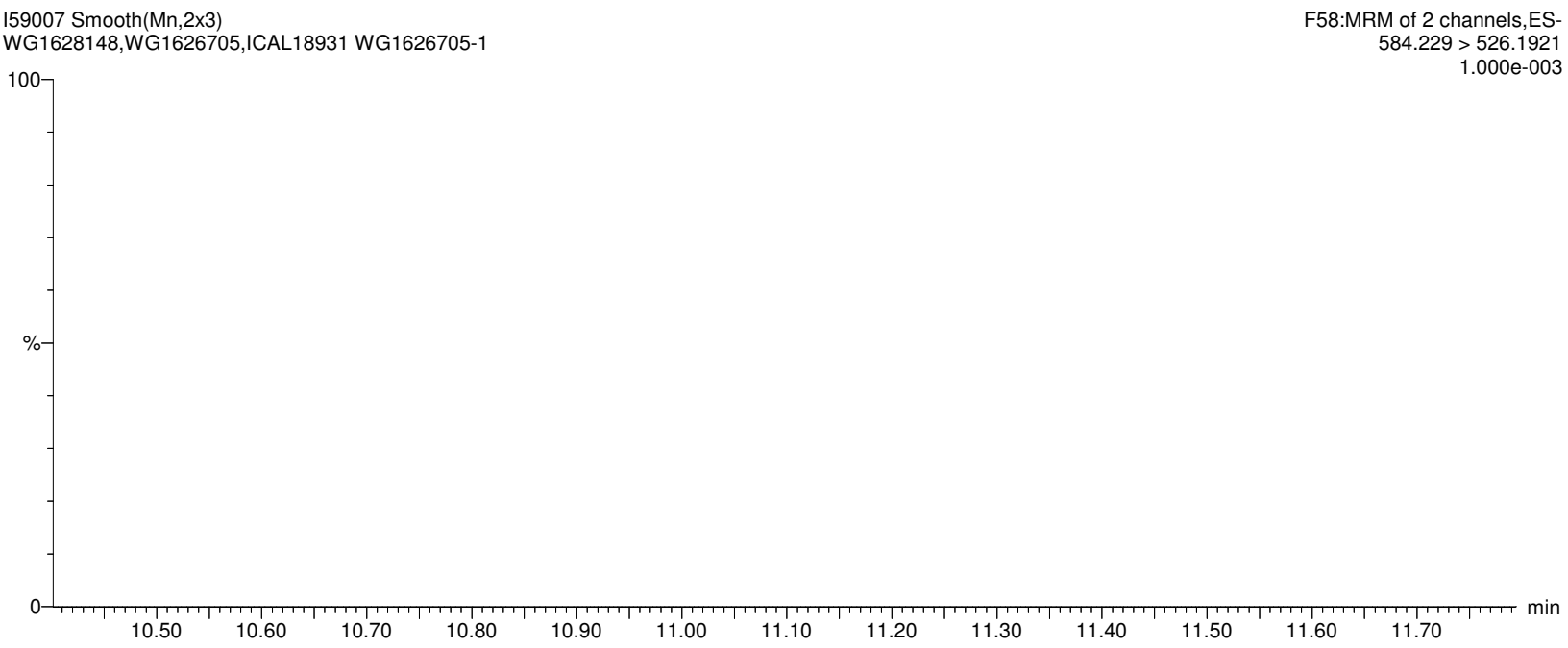
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NEtFOSAA



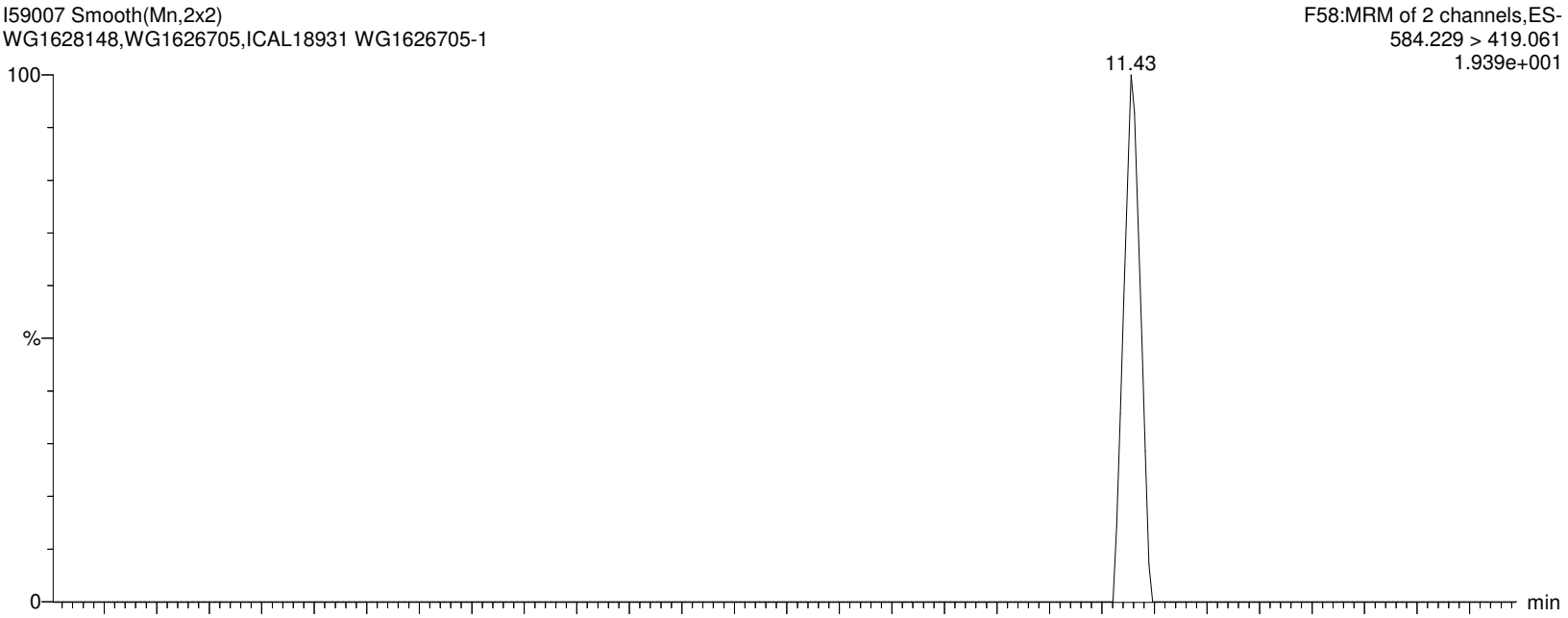


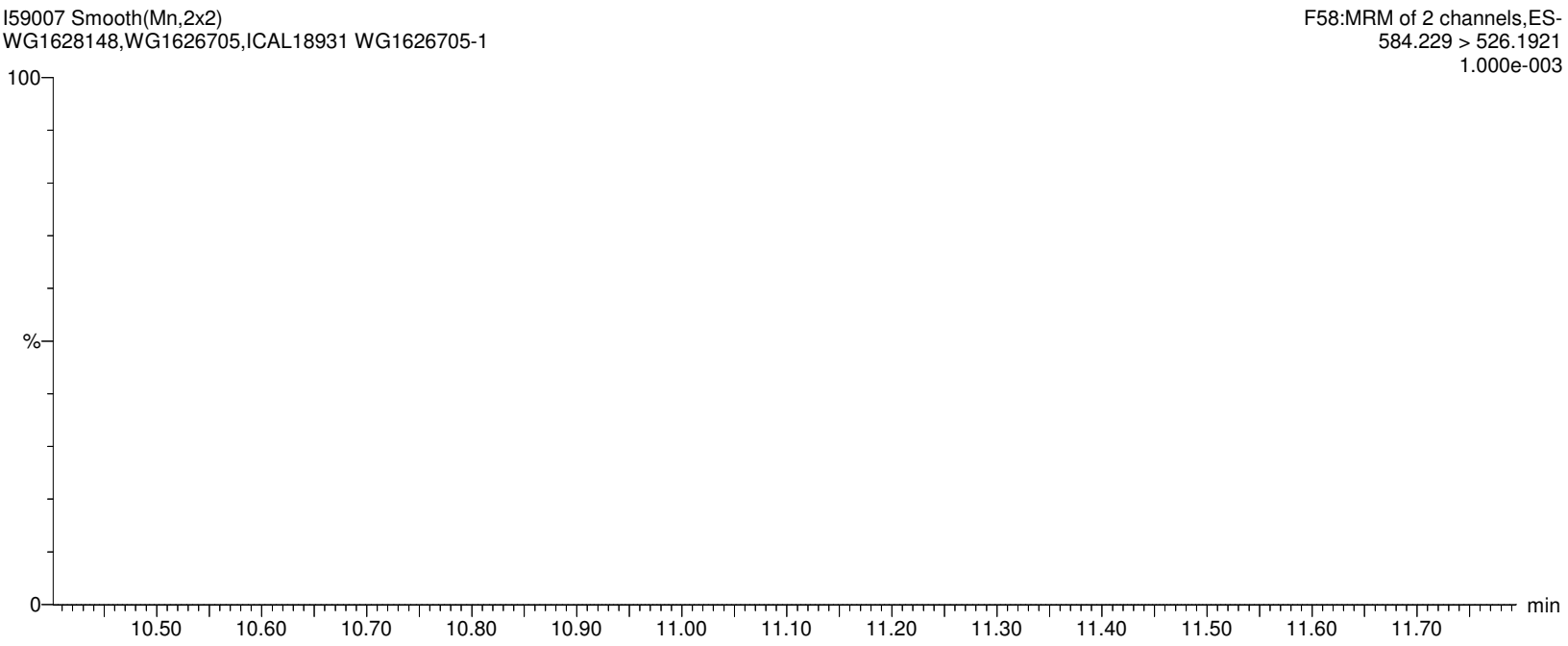
all concentration units in (ng/mL)

Alpha Analytical Inc.
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

NEtFOSAA



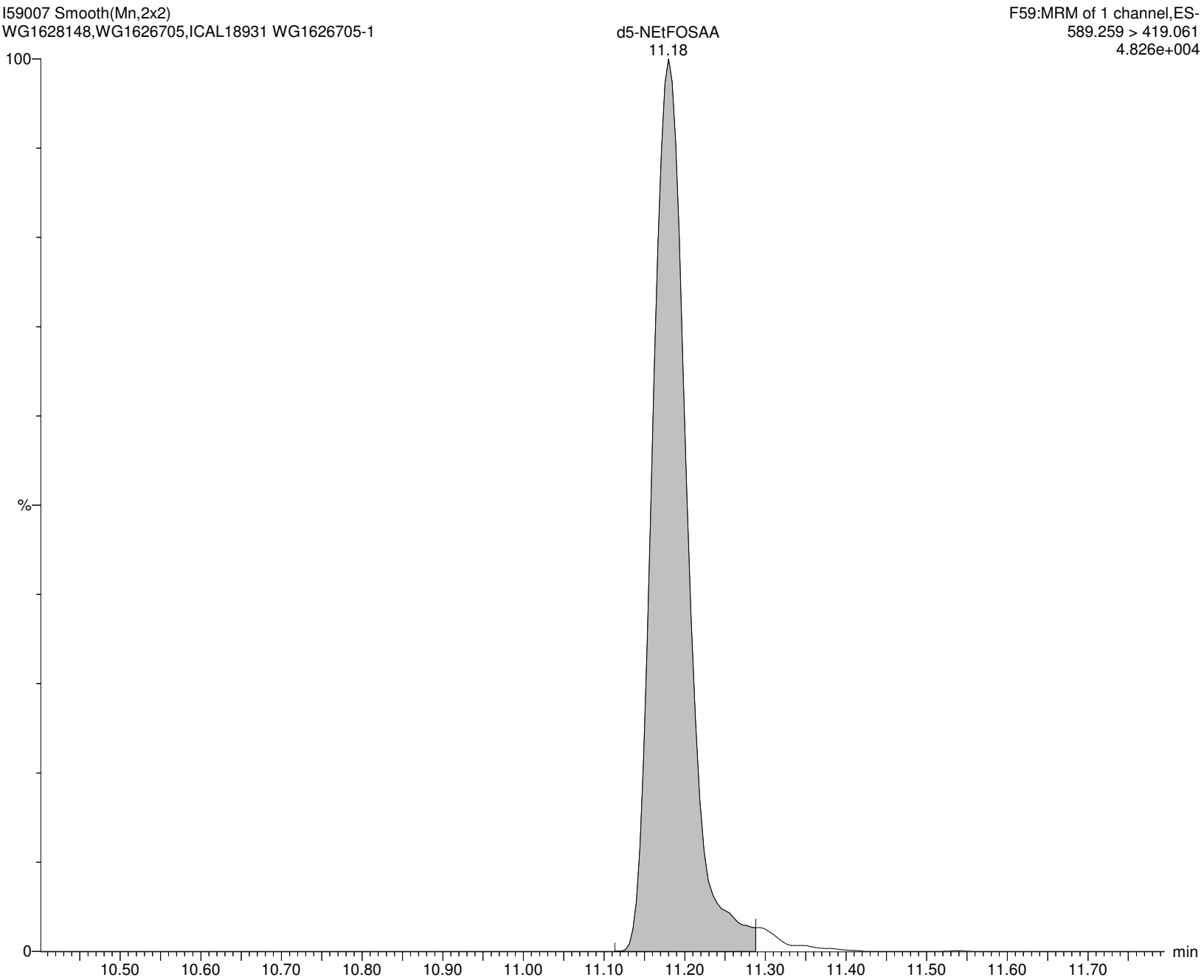


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:36 Eastern Daylight Time

Name: I59007
ID: WG1626705-1
Date: 17-Apr-2022
Time: 19:13:36
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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d5-NEtFOSAA

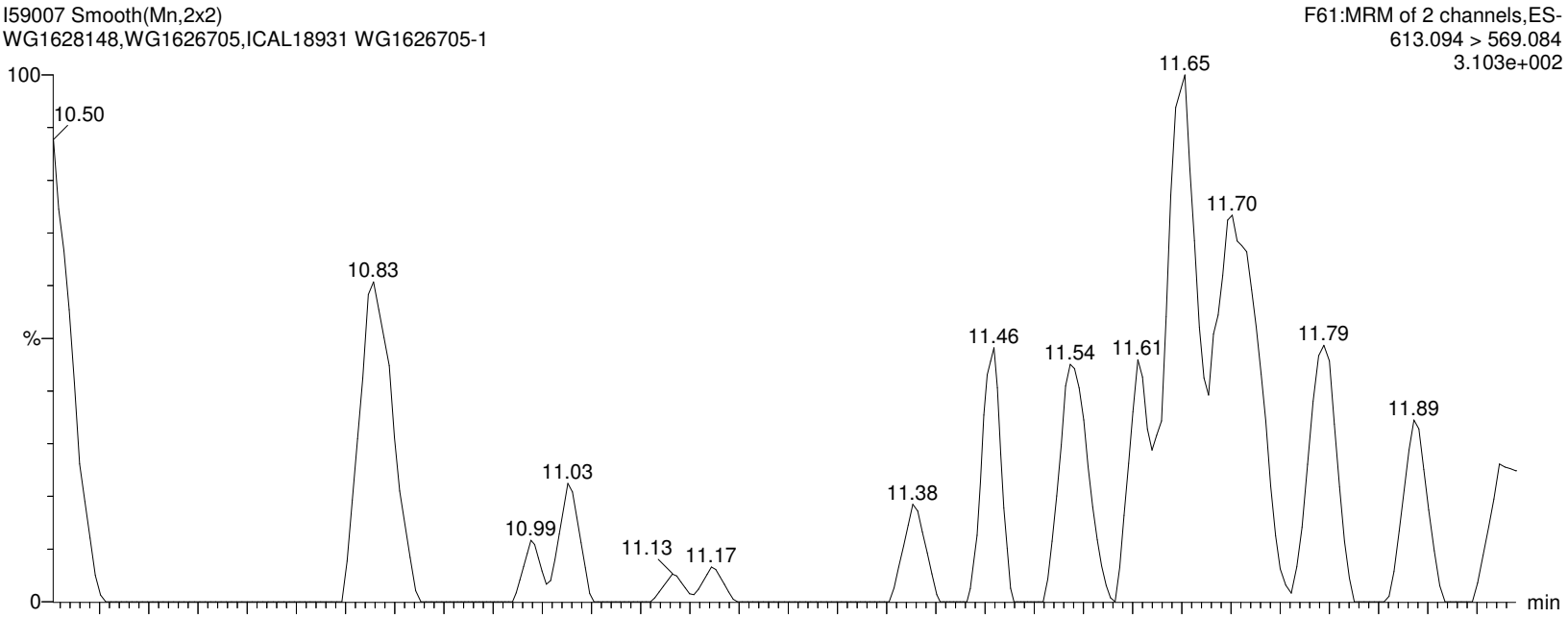


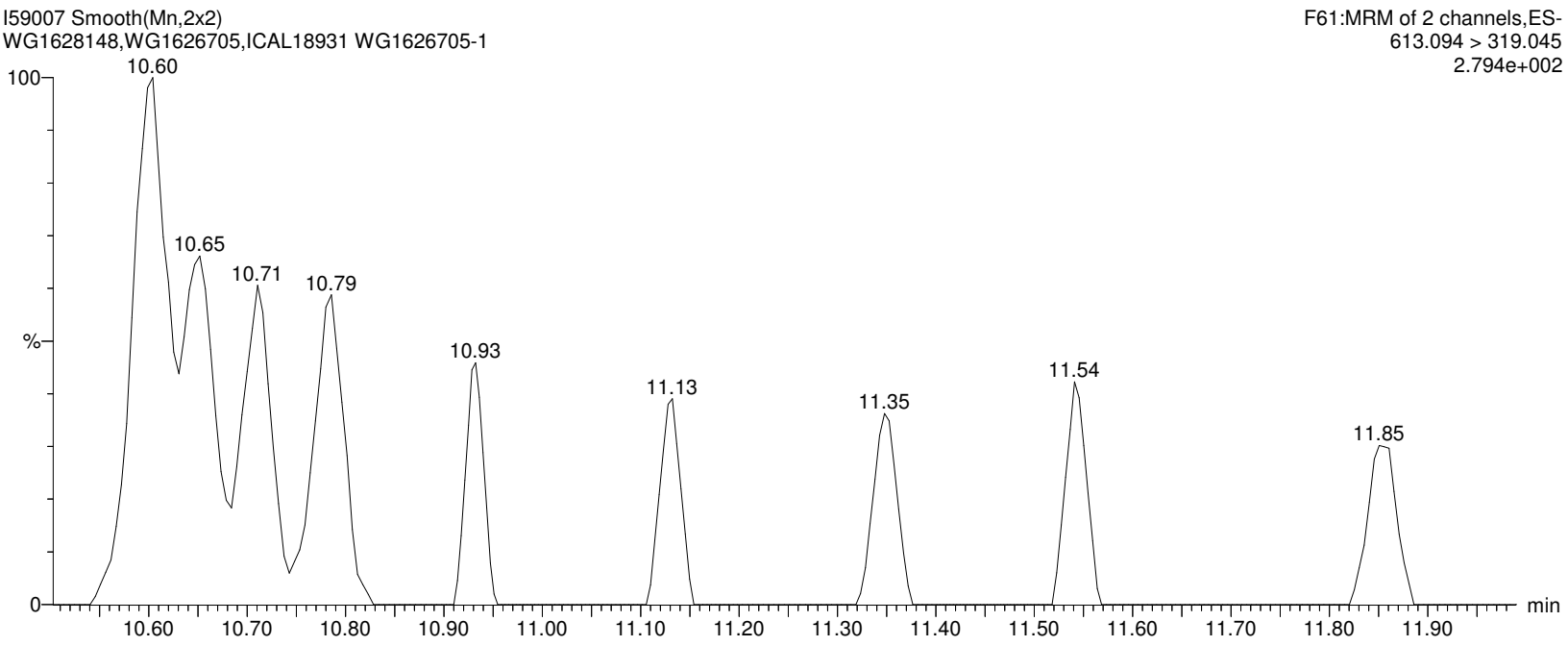
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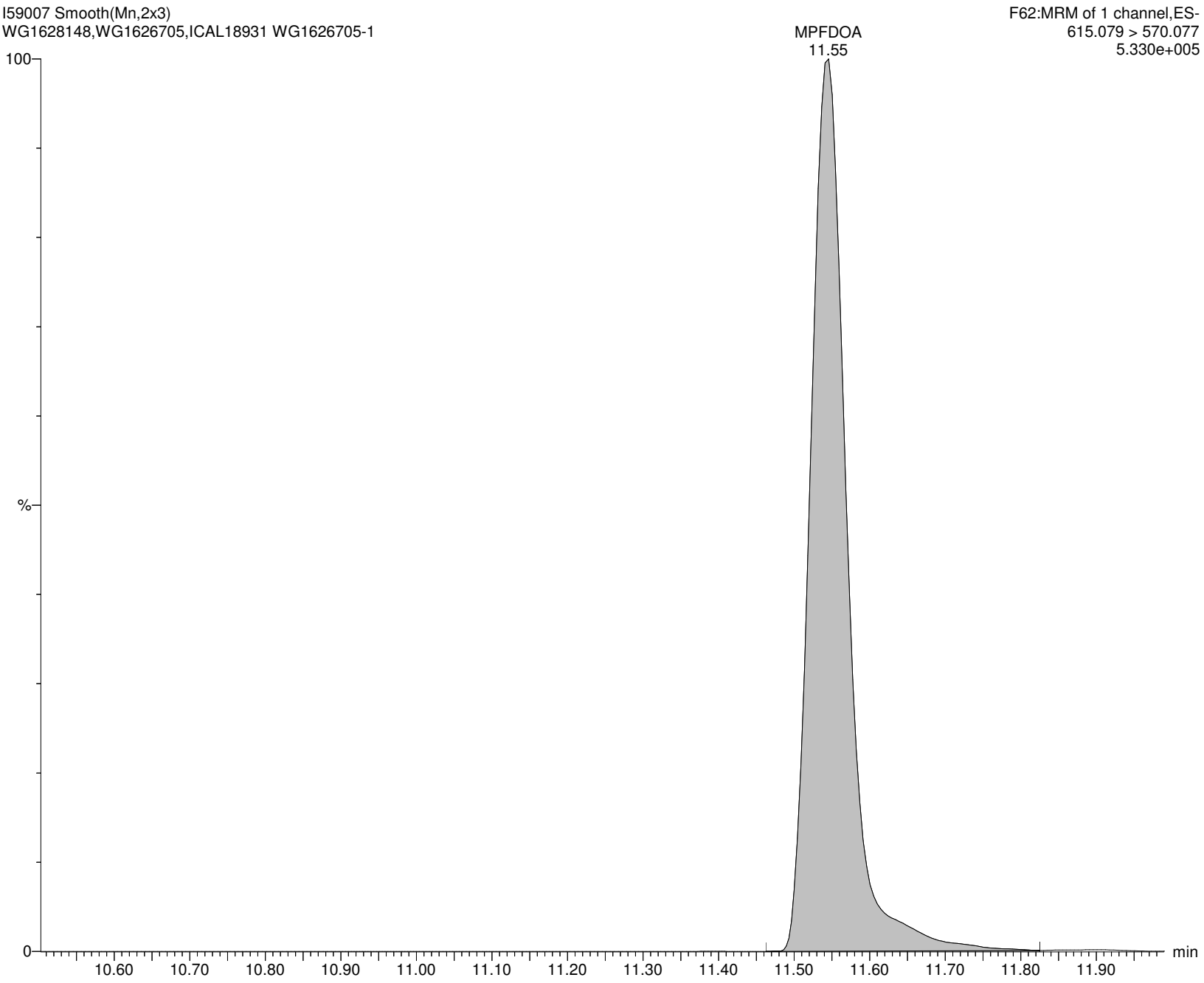


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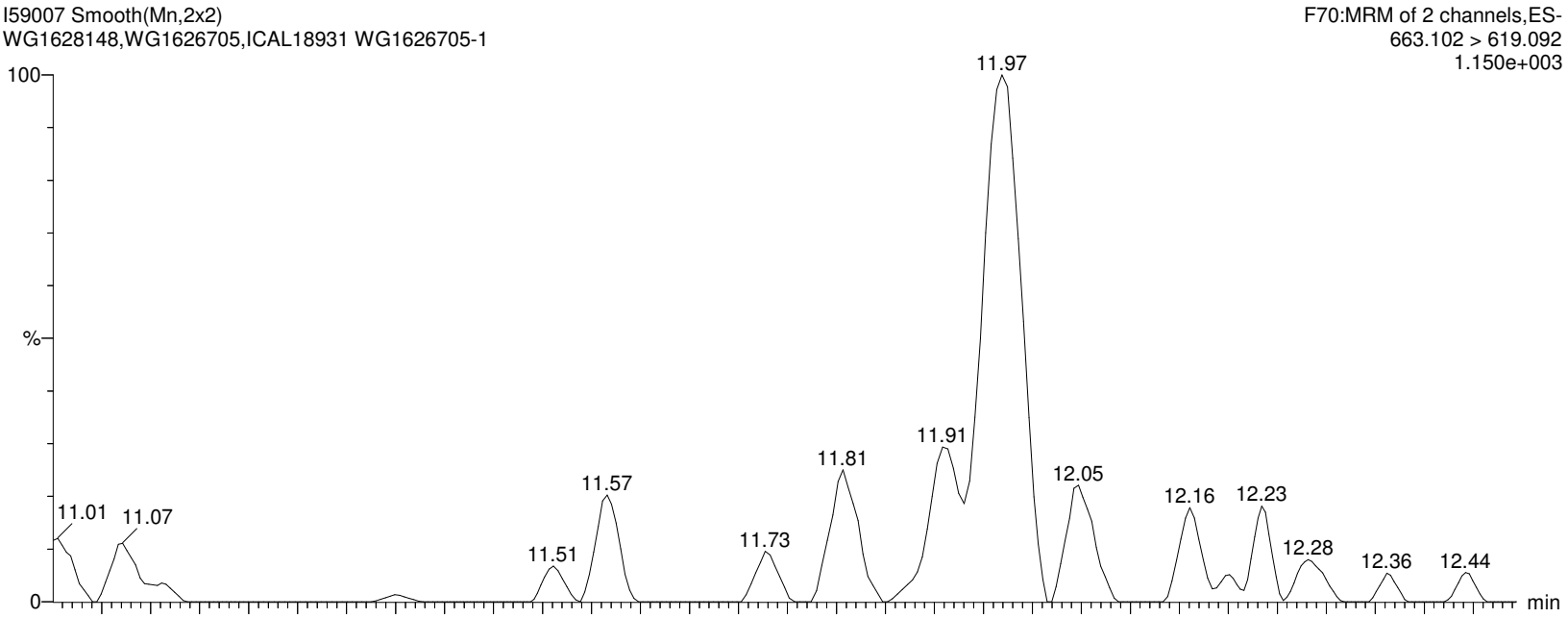


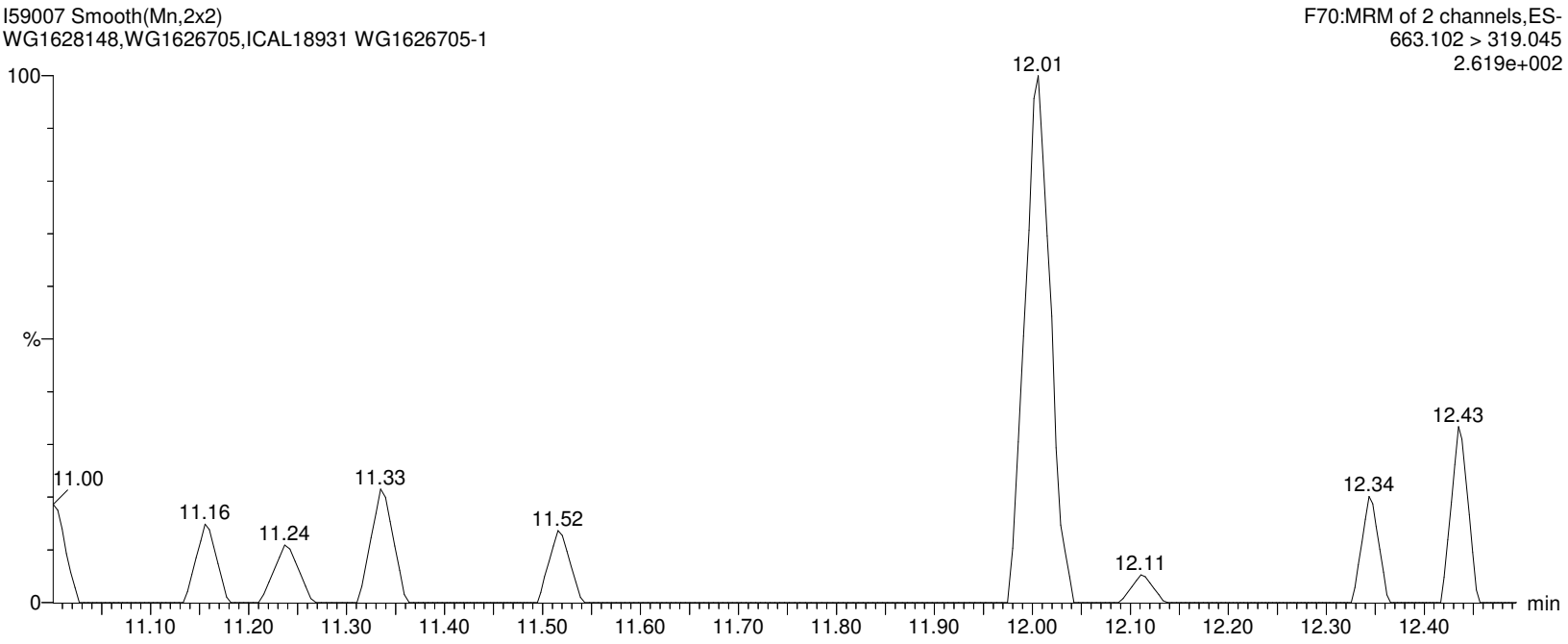
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PFTrDA



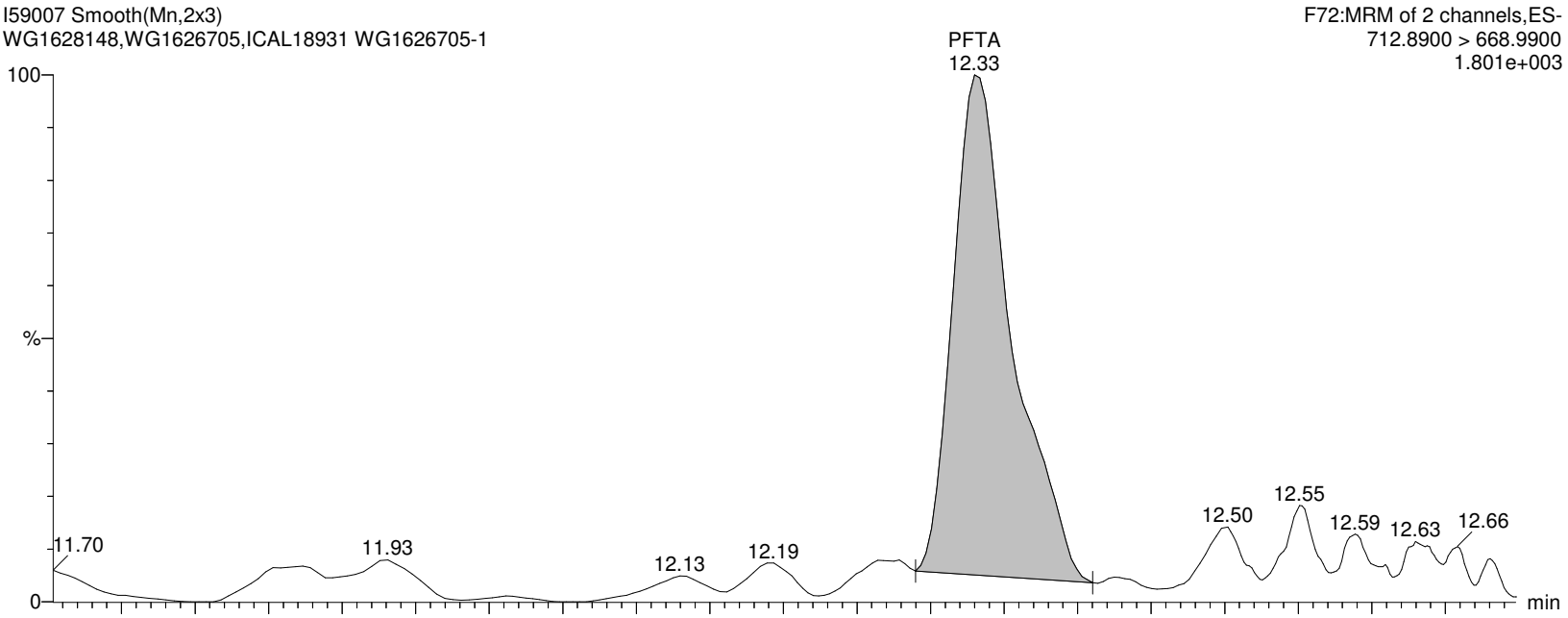


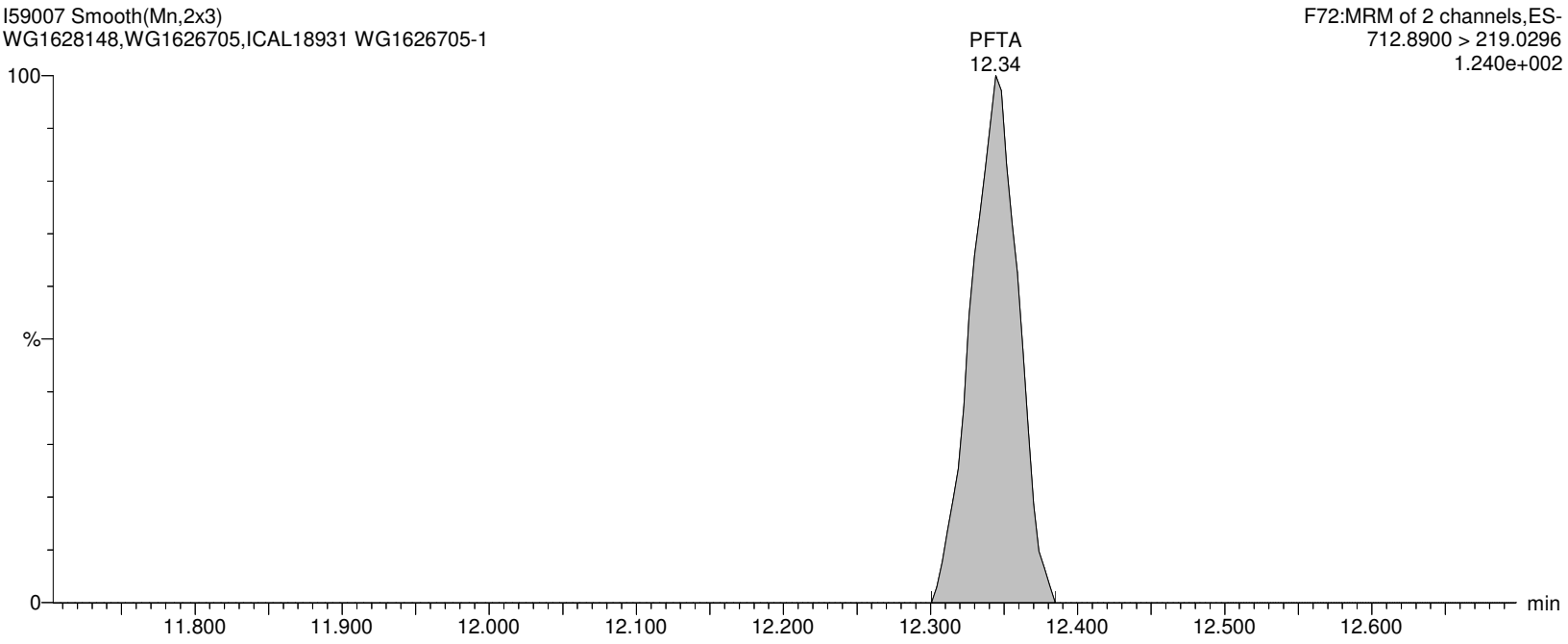
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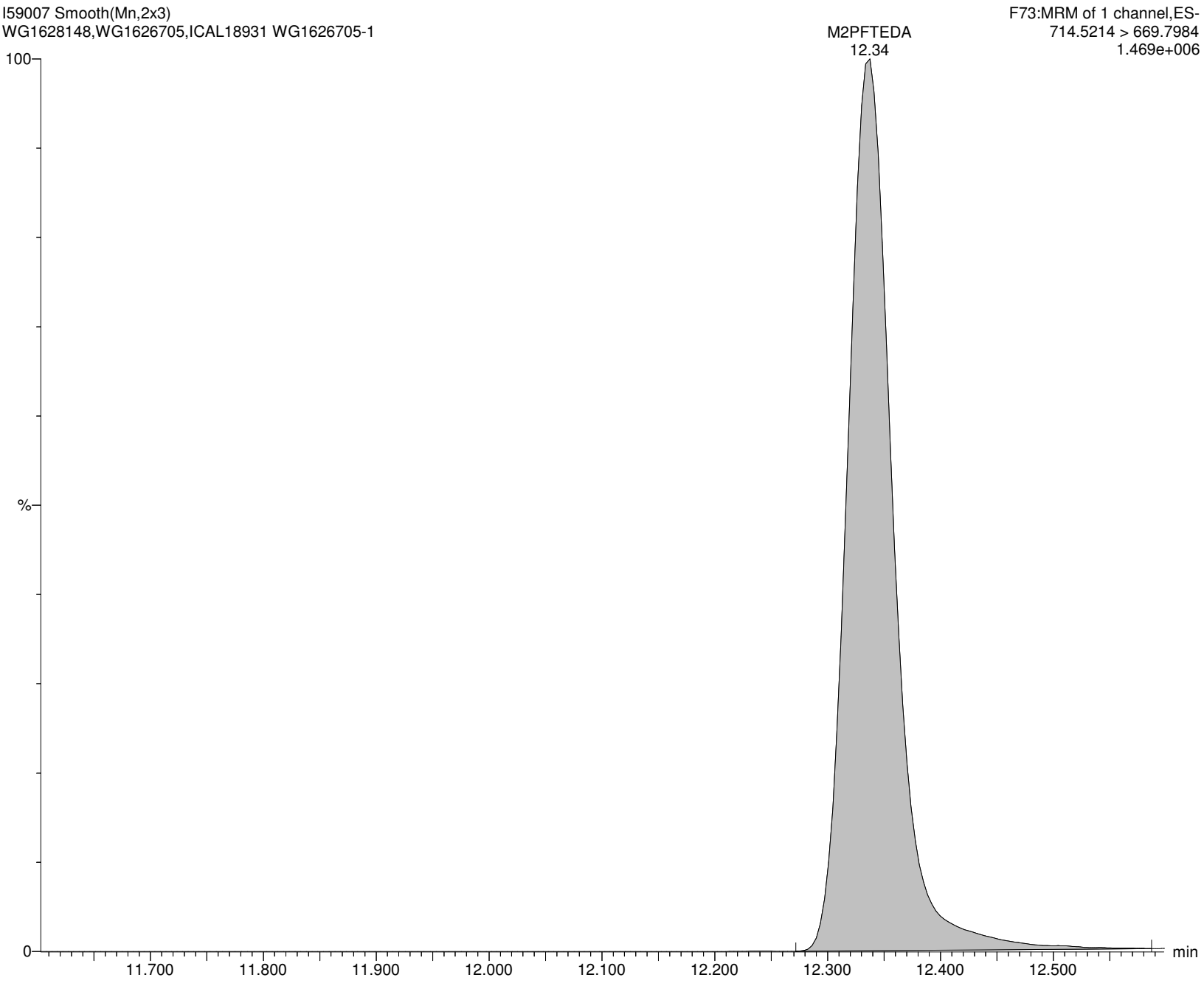


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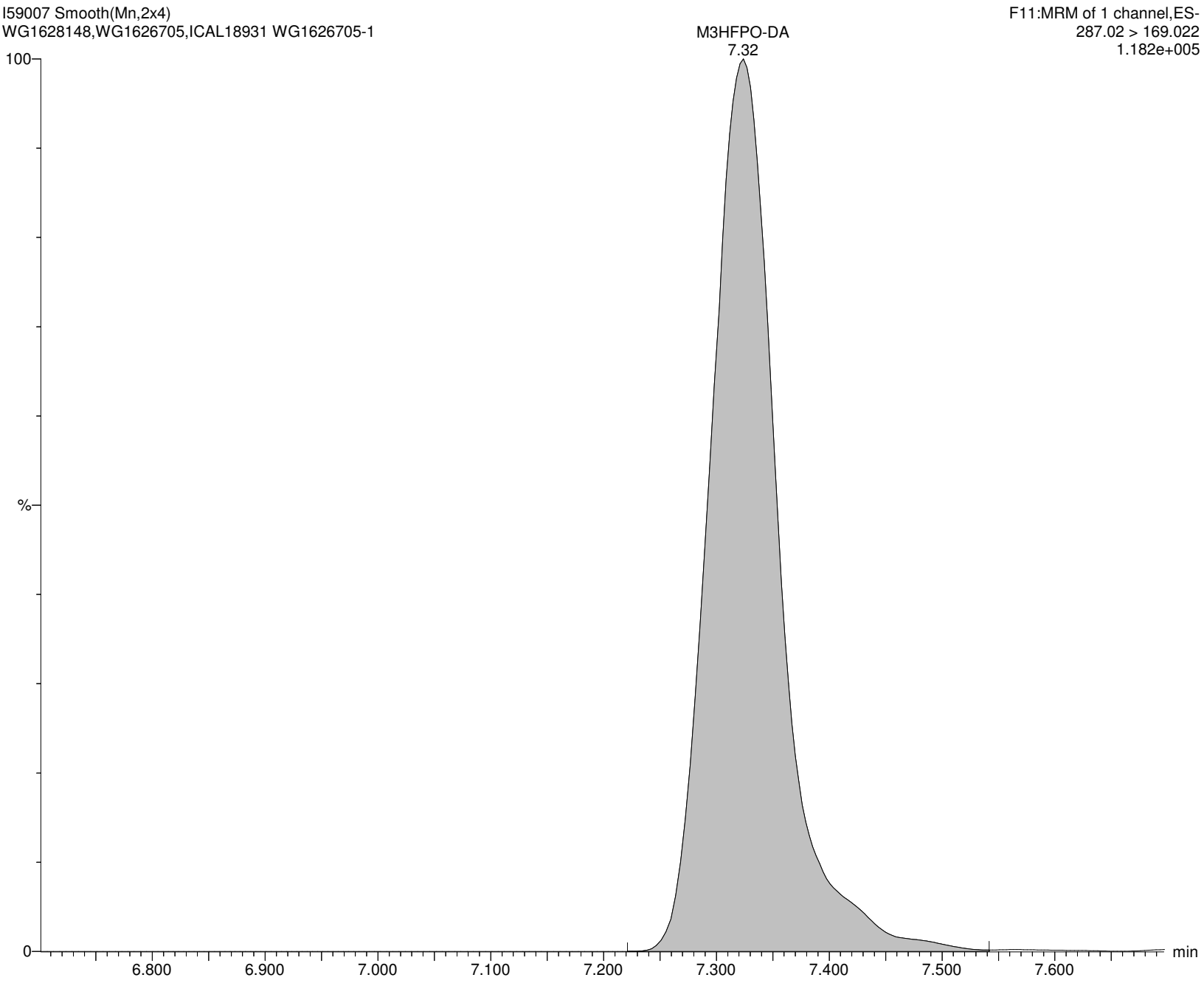


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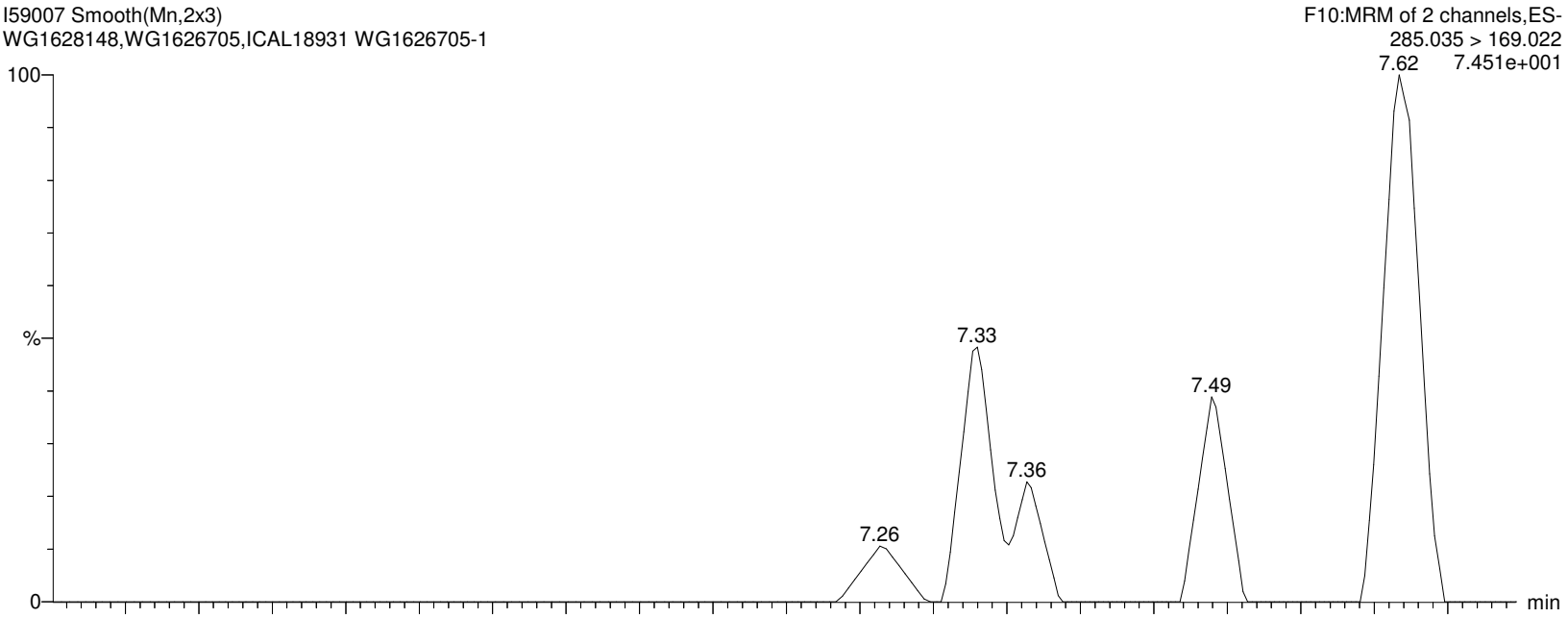


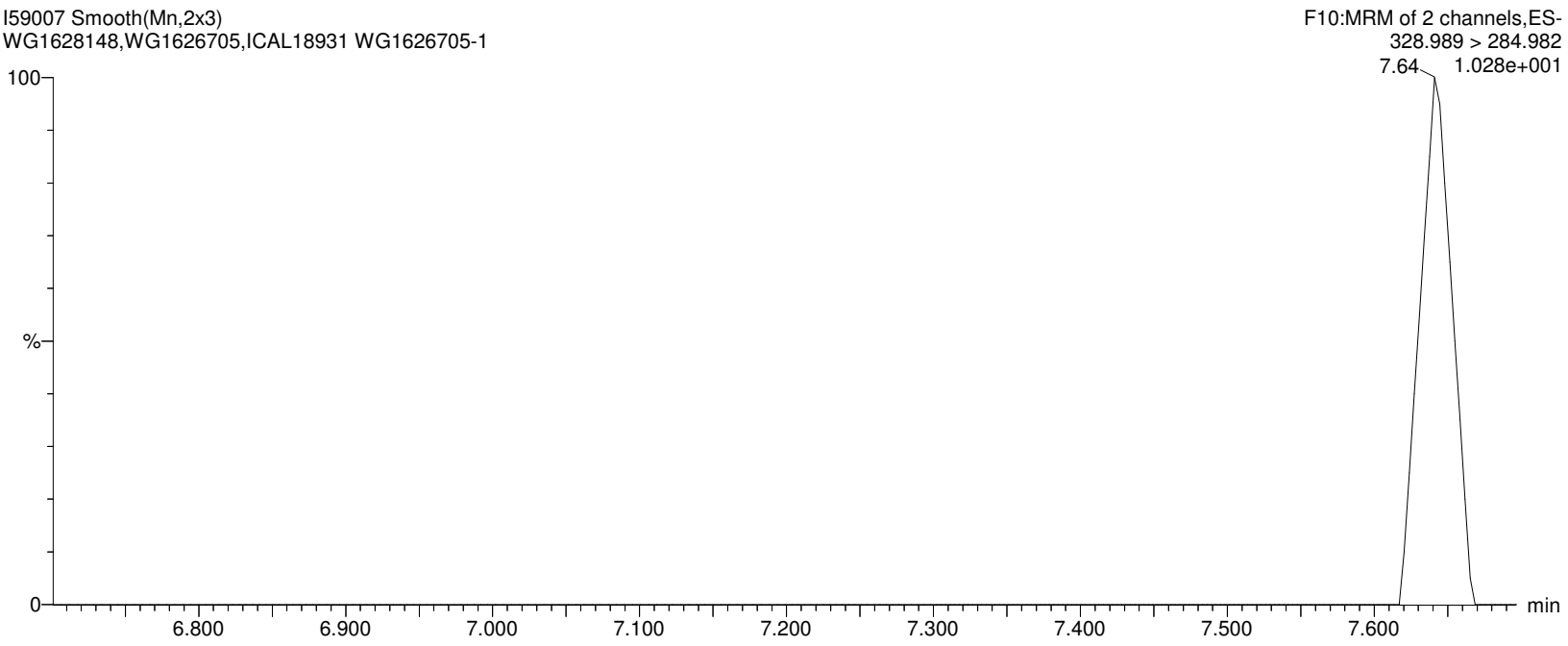
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HFPO-DA



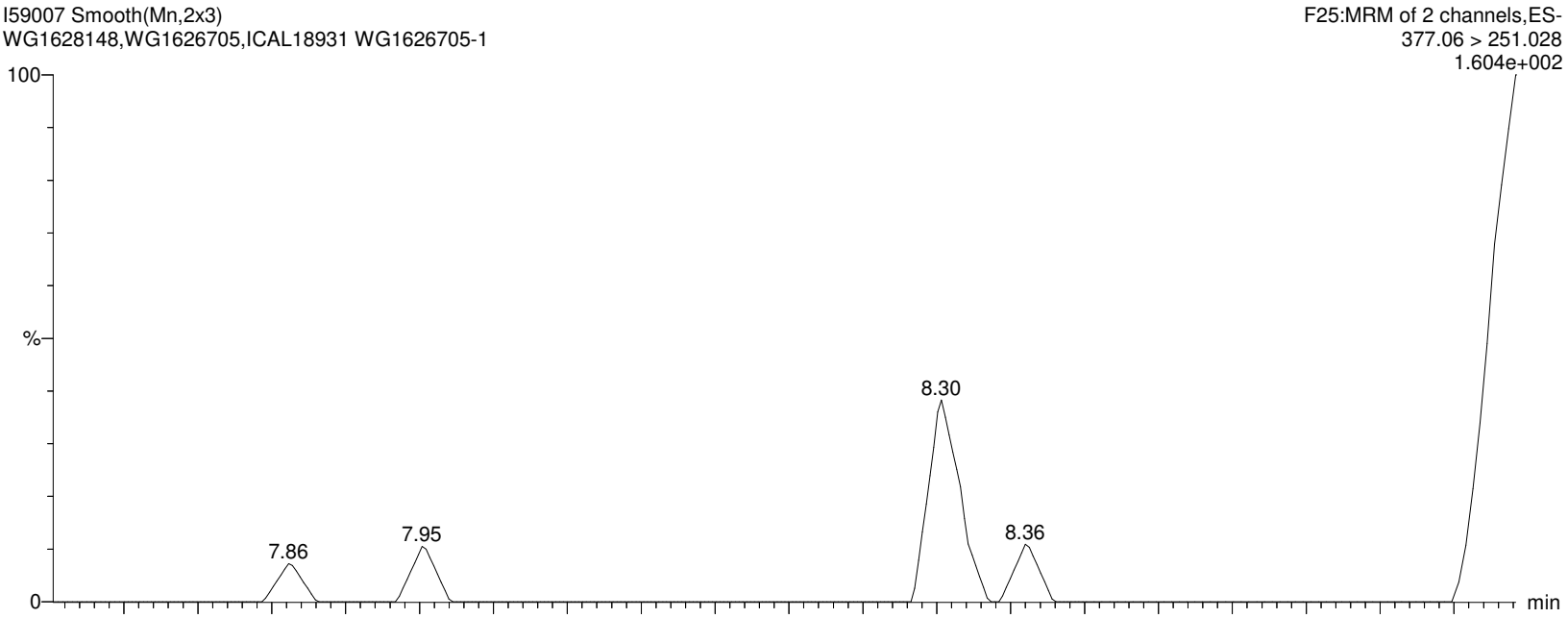


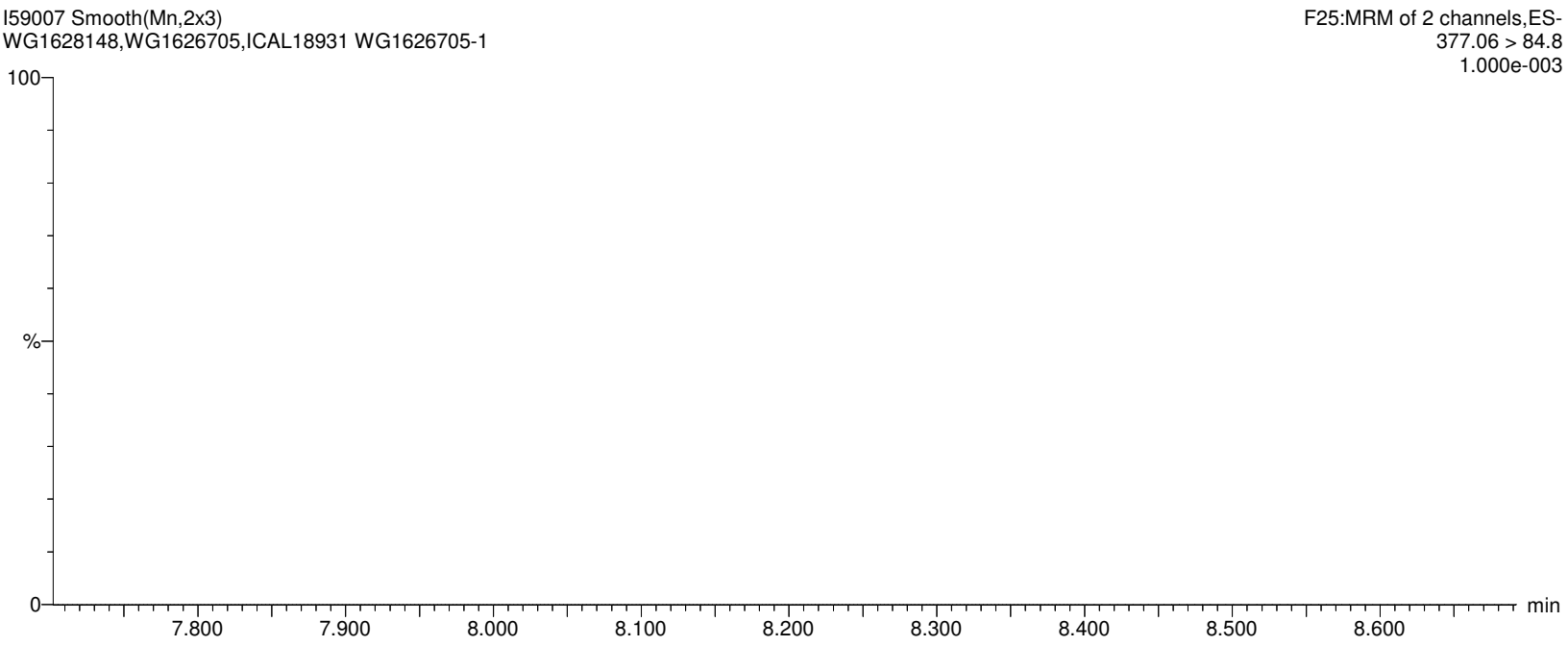
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ADONA



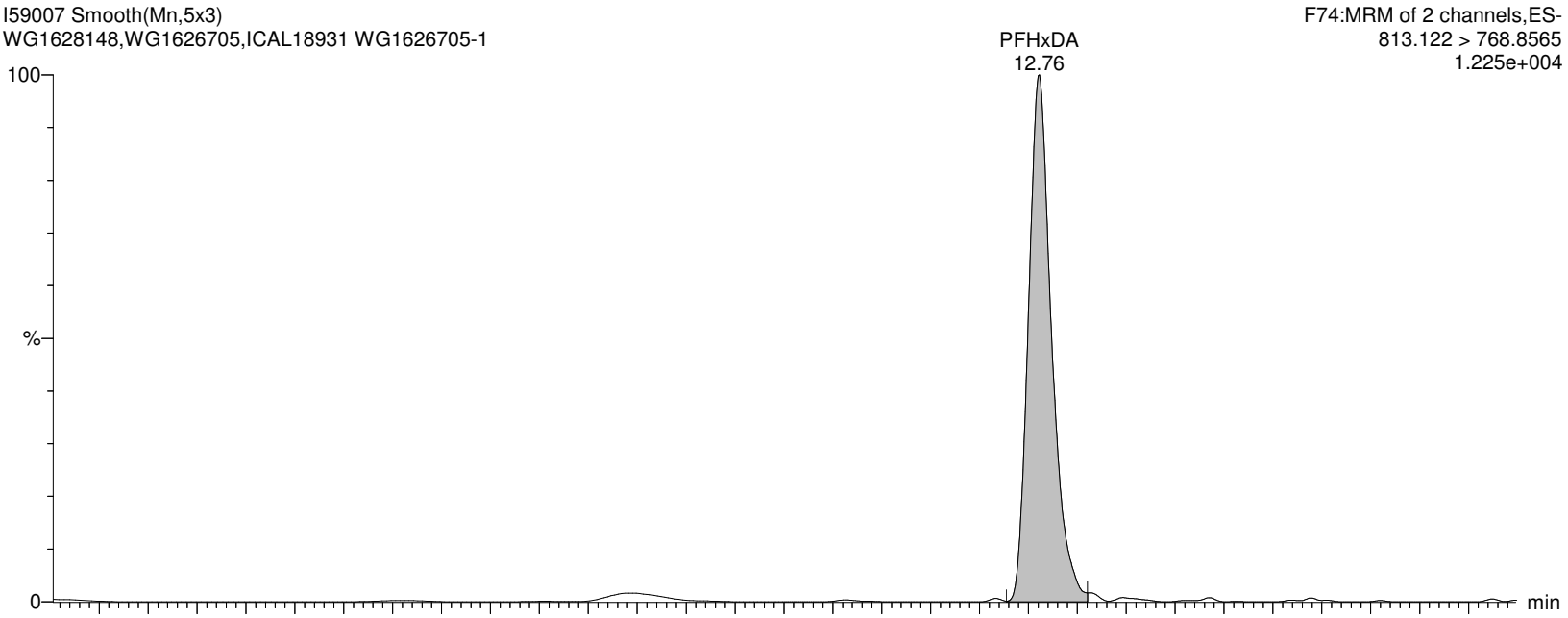


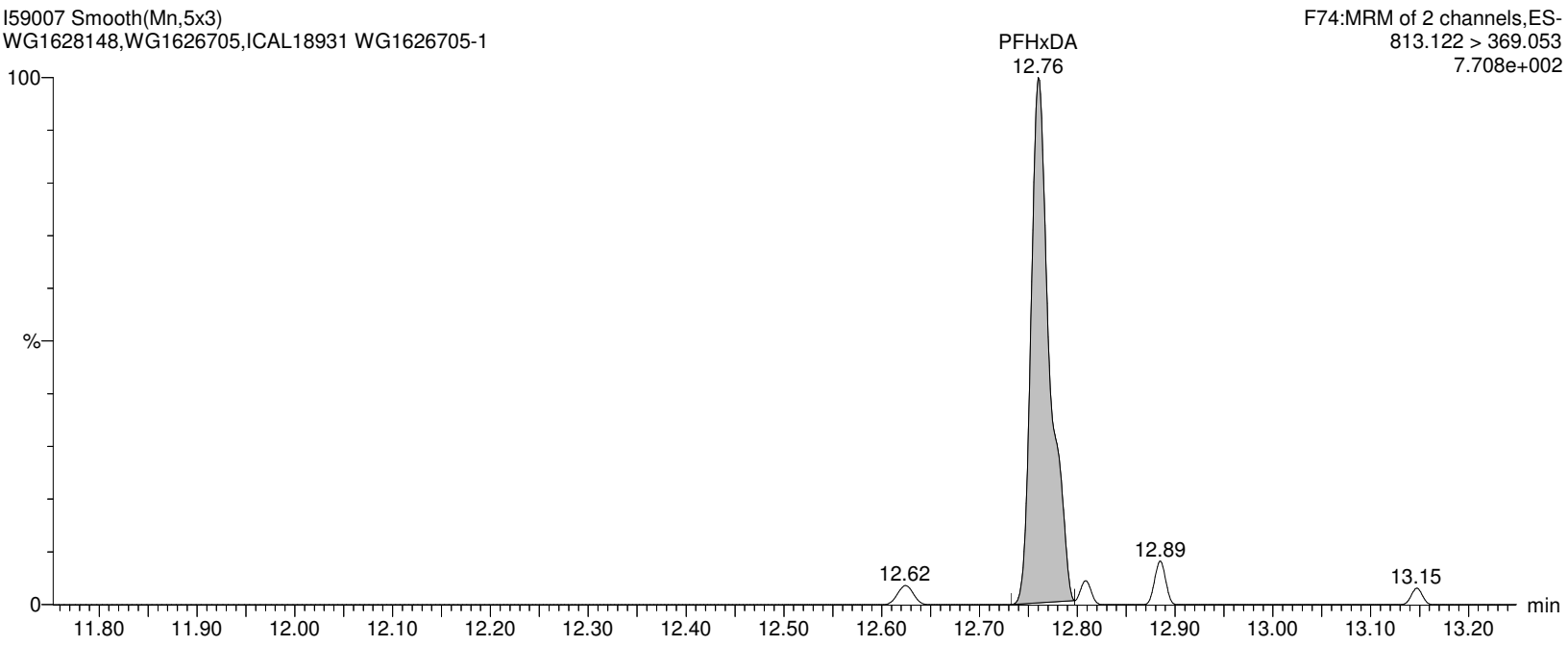
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PFHxDA



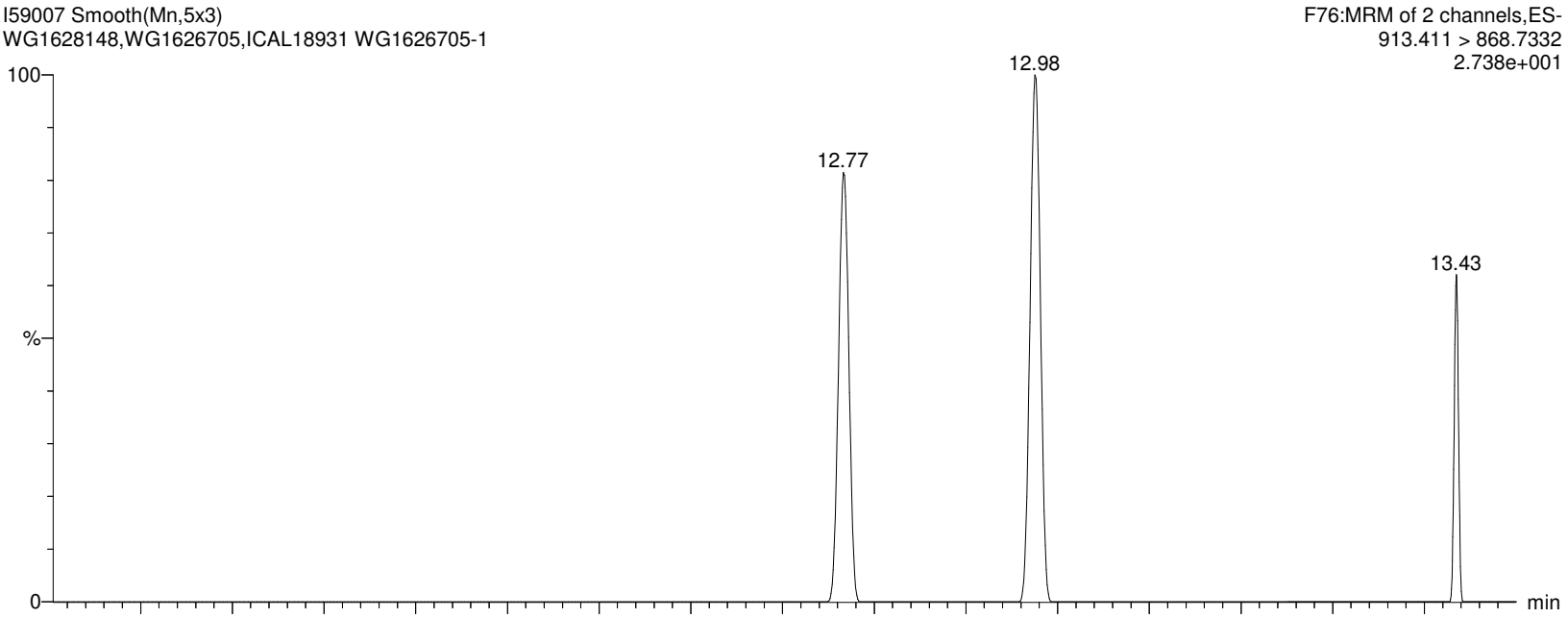


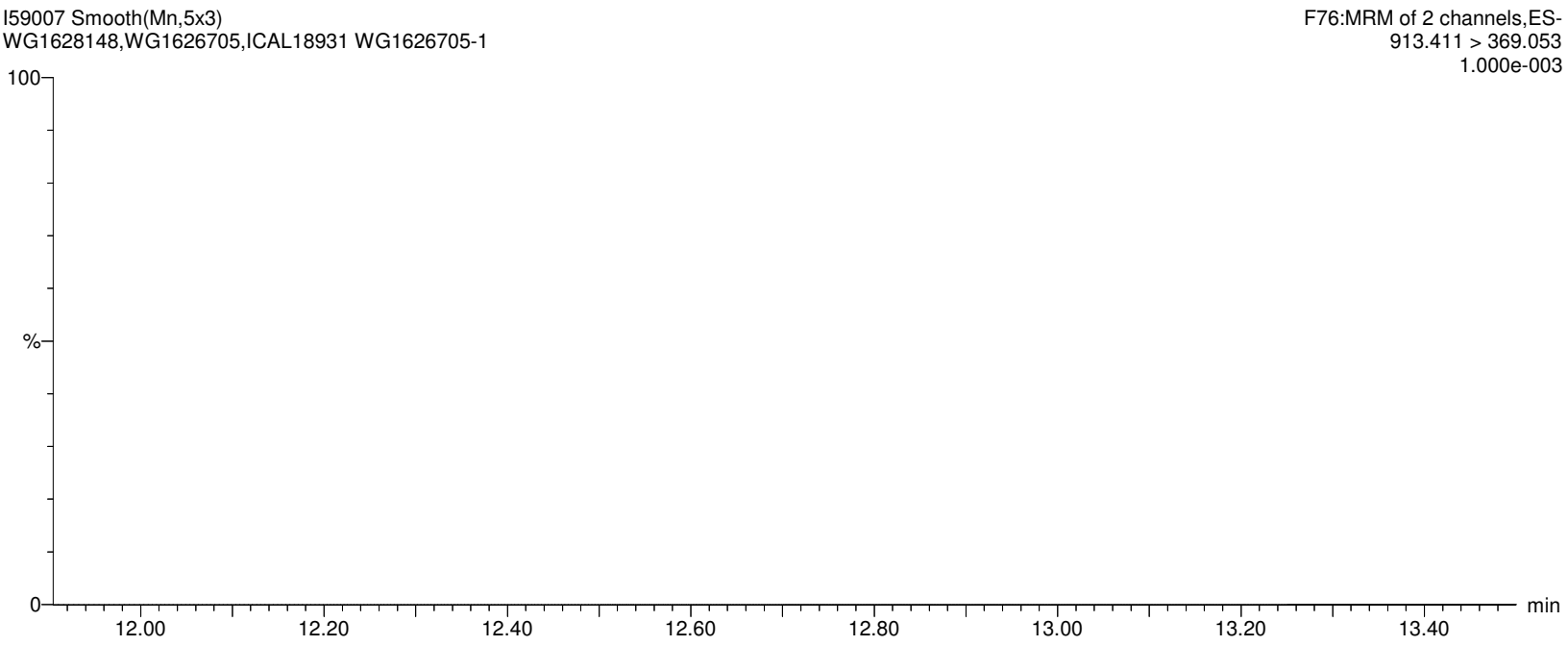
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PFODA



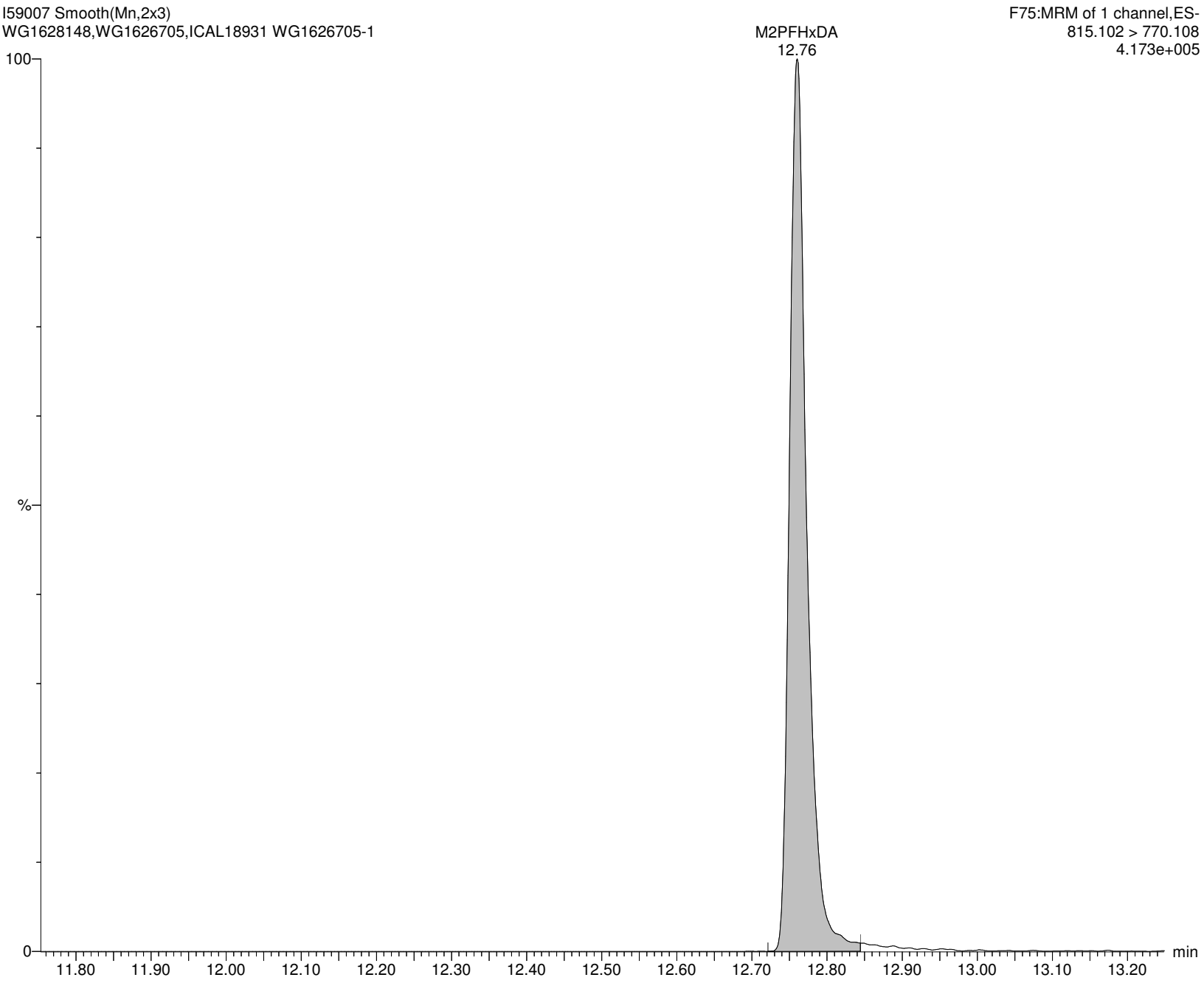


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M2PFHxDA



all concentration units in (ng/mL)

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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Date: 17-Apr-2022
Time: 19:30:10
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	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	26421		8.611		na	86.1
2	M3PFBA	INT STD	2.12	216.009 > 171.999	31281		12.280		na	122.8
3	MPFBA	INT STD	2.12	217.001 > 171.999	35764		10.249		na	102.5
4	PFPeA	2706-90-3	5.00	263.039 > 219.03	33490		9.026		na	90.3
5	M5PFPEA	INT STD	5.00	268.001 > 222.999	48036		11.206		na	112.1
6	PFBS	375-73-5	5.66	299.092 > 80.062	7147		7.848	1.96	NO	88.5
7	M3PFBS	INT STD	5.65	302.069 > 80.062	8230		9.743		na	104.5
8	4:2FTS	757124-72-4	6.82	327.146 > 307.139	3171		8.184	2.49	NO	87.3
9	M2-4:2FTS	INT STD	6.82	329.13 > 309.124	3684		9.770		na	104.2
10	PFHxA	307-24-4	6.89	313.047 > 269.037	45425		8.706	16.86	NO	87.1
11	M5PFHxA	INT STD	6.89	318.009 > 273.007	53667		9.904		na	99.0
12	PFPeS	2706-91-4	7.22	349.1 > 80.062	6672		8.072	2.28	NO	85.8
13	PFHpA	375-85-9	8.17	363.055 > 319.045	56127		8.658	6.29	NO	86.6
14	M4PFHpA	INT STD	8.17	367.025 > 322.022	64449		9.939		na	99.4
15	br-PFHxS	355-46-4	8.10	399.107 > 80.062	930	M5,M7	1.488	2.09	NO	78.7
16	L-PFHxS	355-46-4	8.33	399.107 > 80.062	4782		6.680	1.63	NO	82.4
17	PFHxS	355-46-4		399.107 > 80.062	5712		8.168		na	
18	M3PFHxS	INT STD	8.33	402.084 > 80.062	7682		9.698		na	102.3
19	br-PFOA	335-67-1		412.8430 > 368.9430			ND		YES	
20	L-PFOA	335-67-1	9.12	412.8430 > 368.9430	77459		8.679	9.39	NO	86.8
21	PFOA	335-67-1		412.8430 > 368.9430	77459		8.679		na	
22	M8PFOA	INT STD	9.12	420.7128> 375.9279	90672		10.365		na	103.7
23	M2PFOA	INT STD	9.12	414.828 > 369.935	80871		12.401		na	124.0
24	6:2FTS	27619-97-2	9.08	427.161 > 407.155	2582		7.926	3.07	NO	83.3
25	M2-6:2FTS	INT STD	9.08	429.146 > 409.14	3202		9.449		na	99.4
26	PFHpS	375-92-8	9.21	449.115 > 80.062	4309		8.005	1.25	NO	84.0
27	PFNA	375-95-1	9.88	462.8510 > 418.951	61816		8.478	3.68	NO	84.8
28	M9PFNA	INT STD	9.88	471.649 > 426.8751	85611		10.480		na	104.8
29	br-PFOS	1763-23-1	9.74	498.9030 > 79.9520	2168	M5,M7	1.820	4.08	NO	86.2
30	L-PFOS	1763-23-1	9.93	498.9030 > 79.9520	6491		7.003	1.72	NO	88.8
31	PFOS	1763-23-1		498.9030 > 79.9520	8659		8.823		na	
32	M4PFOS	INT STD	9.93	502.8730 > 79.952	8056		12.349		na	123.5
33	M8PFOS	INT STD	9.93	506.5852> 79.9565	10345		9.983		na	104.1
34	PFDA	335-76-2	10.51	512.8580 > 468.9590	67271		8.293	6.34	NO	82.9
35	M2PFDA	INT STD	10.51	514.8332 > 469.8243	69079		12.869		na	128.7
36	M6PFDA	INT STD	10.51	518.6490 > 473.8794	86931		10.550		na	105.5
37	8:2FTS	39108-34-4	10.50	526.6490 > 506.7500	4373		10.154	2.87	NO	105.8
38	M2-8:2FTS	INT STD	10.50	529.162 > 509.155	2138		9.467		na	98.6
39	PFNS	68259-12-1	10.54	549.131 > 80.062	3829		7.854	1.47	NO	81.6

all concentration units in (ng/mL)

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Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.89	573.22 > 419.061	2907		8.522		na	85.2
41	br-NMeFOSAA		10.73	570.202 > 419.061	243	M5,M7	1.857	0.82	NO	77.4
42	L-NMeFOSAA		10.89	570.202 > 419.061	2082		5.740	1.63	NO	75.5
43	NMeFOSAA	2355-31-9		570.202 > 419.061	2325		7.597		na	
44	PFUnA	2058-94-8	11.06	562.5852 >518.8544	67527		9.148	11.84	NO	91.5
45	M7-PFUDA	INT STD	11.06	570.033 > 525.031	48760		9.947		na	99.5
46	PFDS	335-77-3	11.07	599.139 > 80.062	3842		7.828	1.68	NO	81.1
47	FOSA	754-91-6	10.91	498.146 > 78.07	5535		7.968	84.21	NO	79.7
48	M8FOSA	INT STD	10.91	506.077 > 78.07	10032		4.356		na	43.6
49	br-NEtFOSAA		11.03	584.229 > 419.061	146	M5,M7	1.720	0.52	NO	76.4
50	L-NEtFOSAA		11.18	584.229 > 419.061	1637		6.630	1.23	NO	85.6
51	NEtFOSAA	2991-50-6		584.229 > 419.061	1784		8.350		na	
52	d5-NEtFOSAA	INT STD	11.18	589.259 > 419.061	2449		8.604		na	86.0
53	PFDoA	307-55-1	11.54	613.094 > 569.084	28517		8.476	21.94	NO	84.8
54	MPFDOA	INT STD	11.54	615.079 > 570.077	30093		9.663		na	96.6
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	23679		7.837	9.67	NO	78.4
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	43227		9.024	9.11	NO	90.2
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	71792		10.915		na	109.1
58	M3HFPO-DA	INT STD	7.32	287.02 > 169.022	7565		214.865		na	107.4
59	HFPO-DA	13252-13-6	7.32	285.035 > 169.022	3282		76.933	6.42	NO	76.9
60	ADONA	958445-44-8	8.35	377.06 > 251.028	40454		7.619	22.35	NO	80.6
61	PFHxDA		12.77	813.122 > 768.8565	8895		7.018	15.70	NO	70.2
62	PFODA		13.00	913.411 > 868.7332	350		1.385	14.75	NO	13.9
63	M2PFHxDA		12.77	815.102 > 770.108	11316		10.132		na	101.3

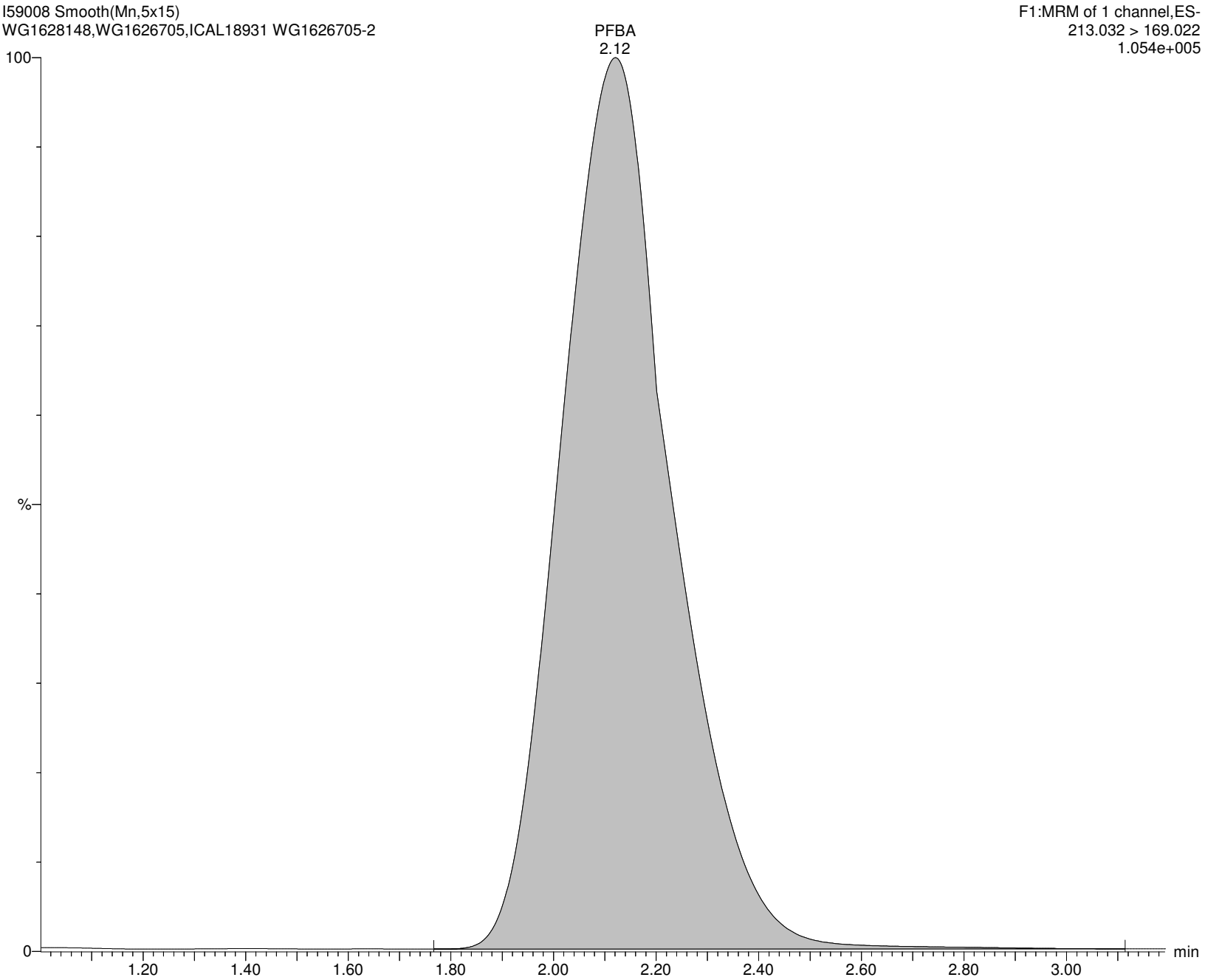
all concentration units in (ng/mL)

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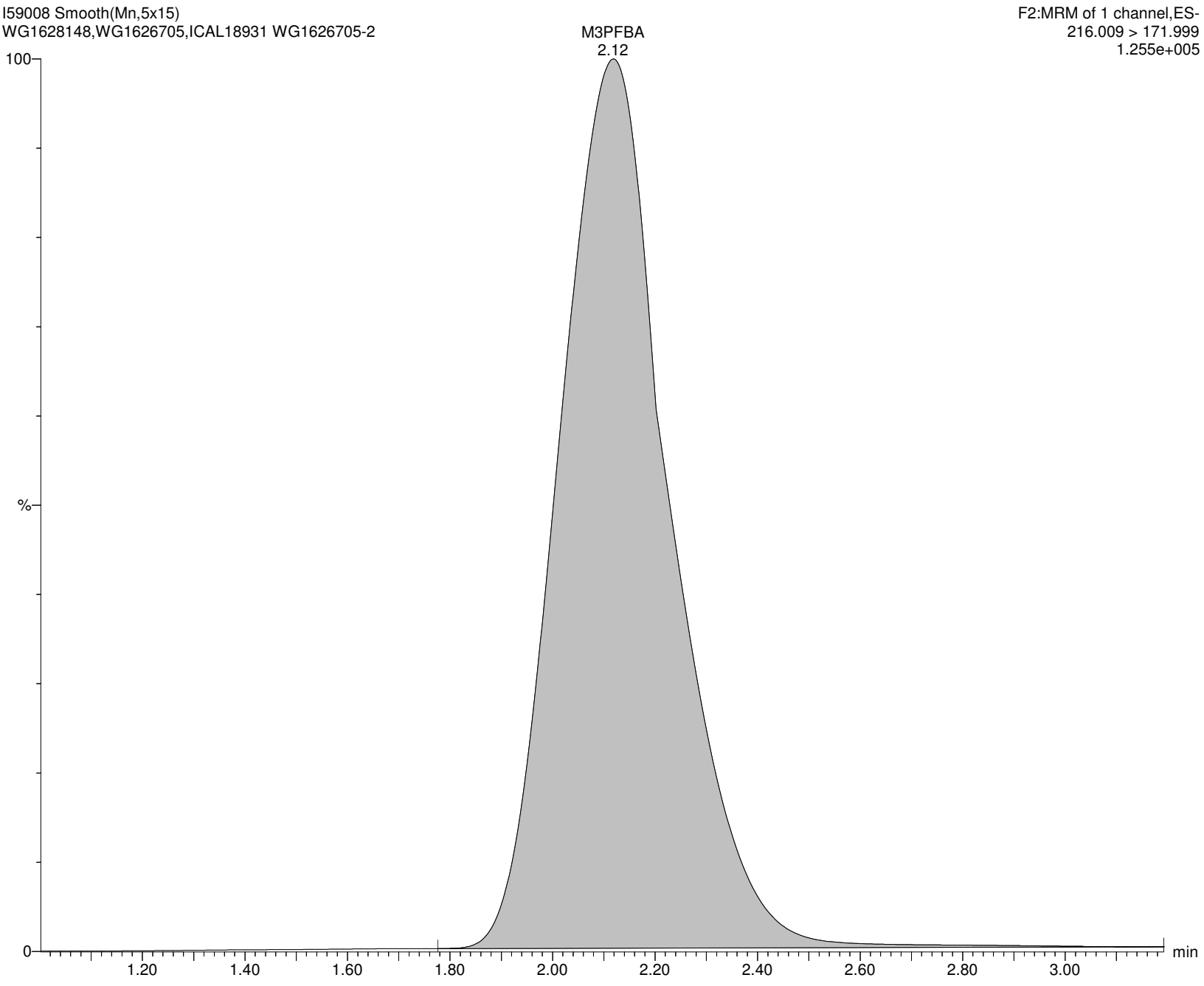


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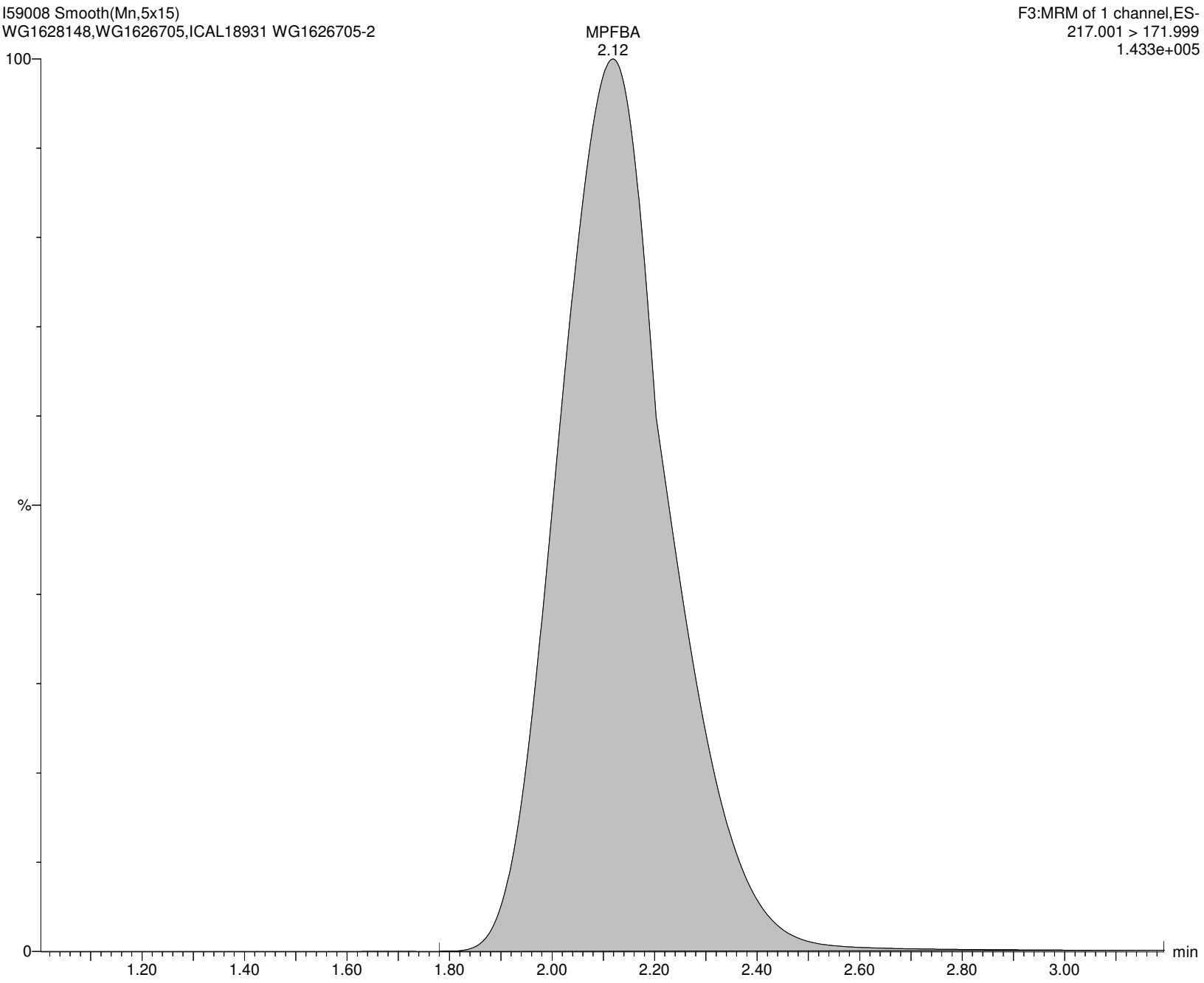


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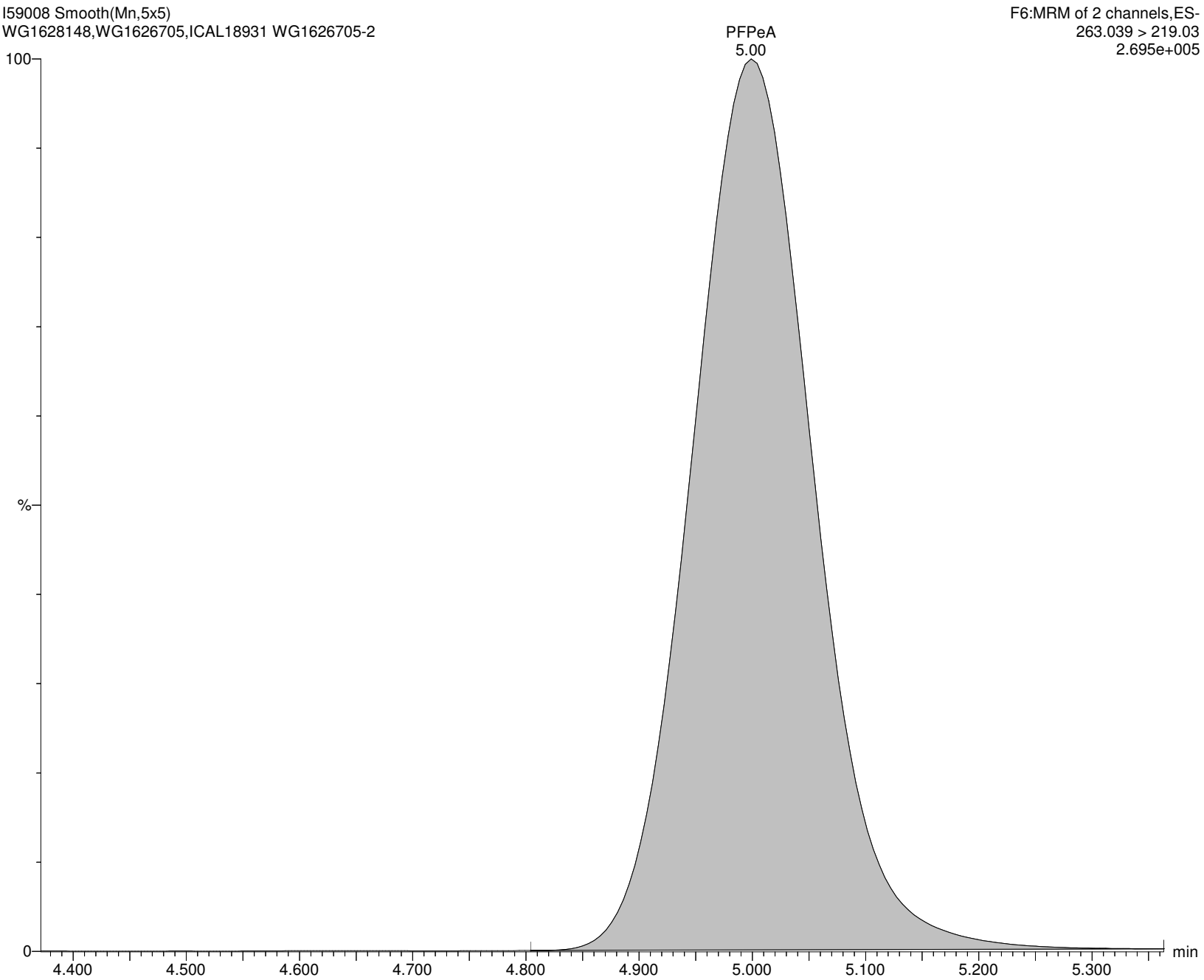


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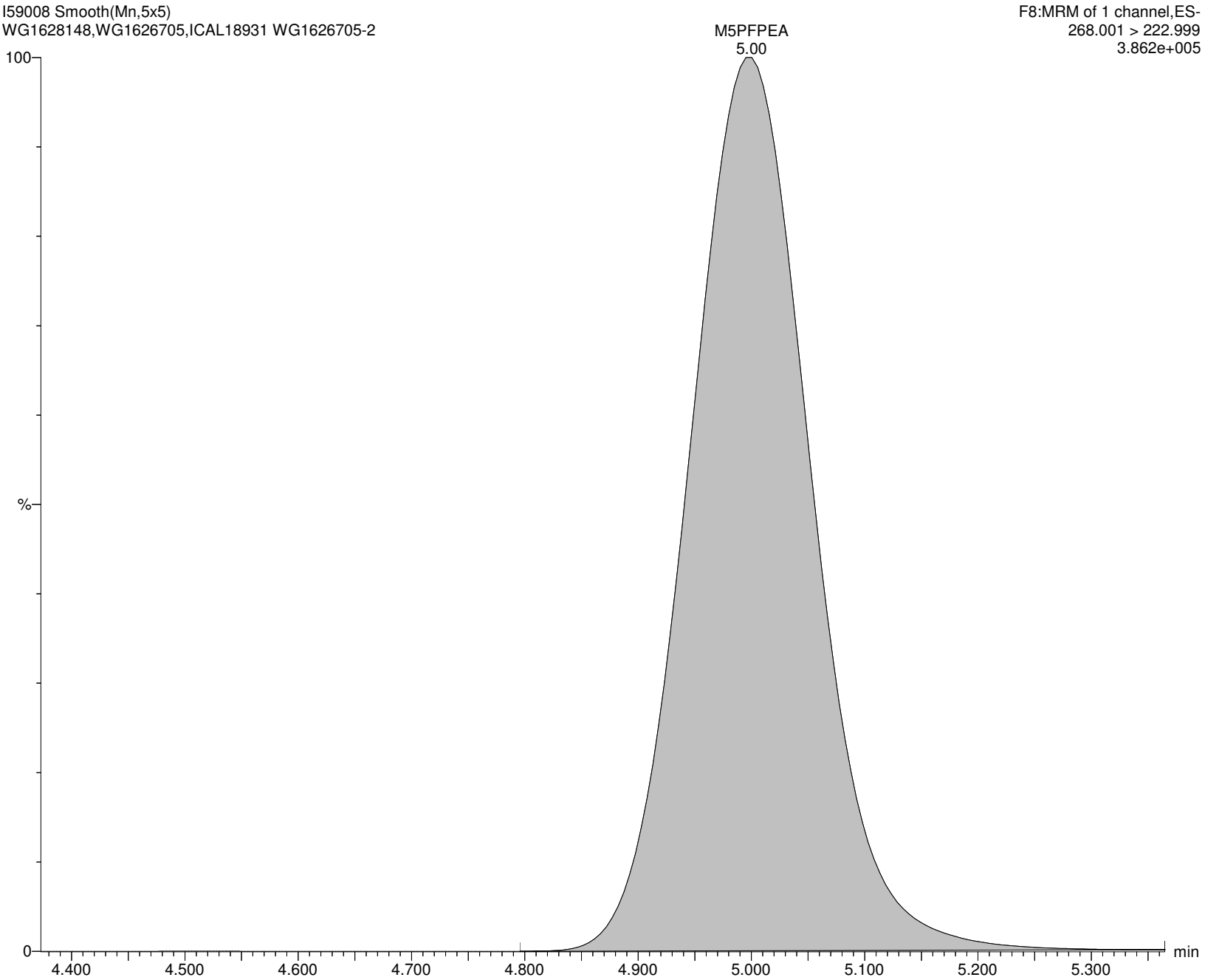


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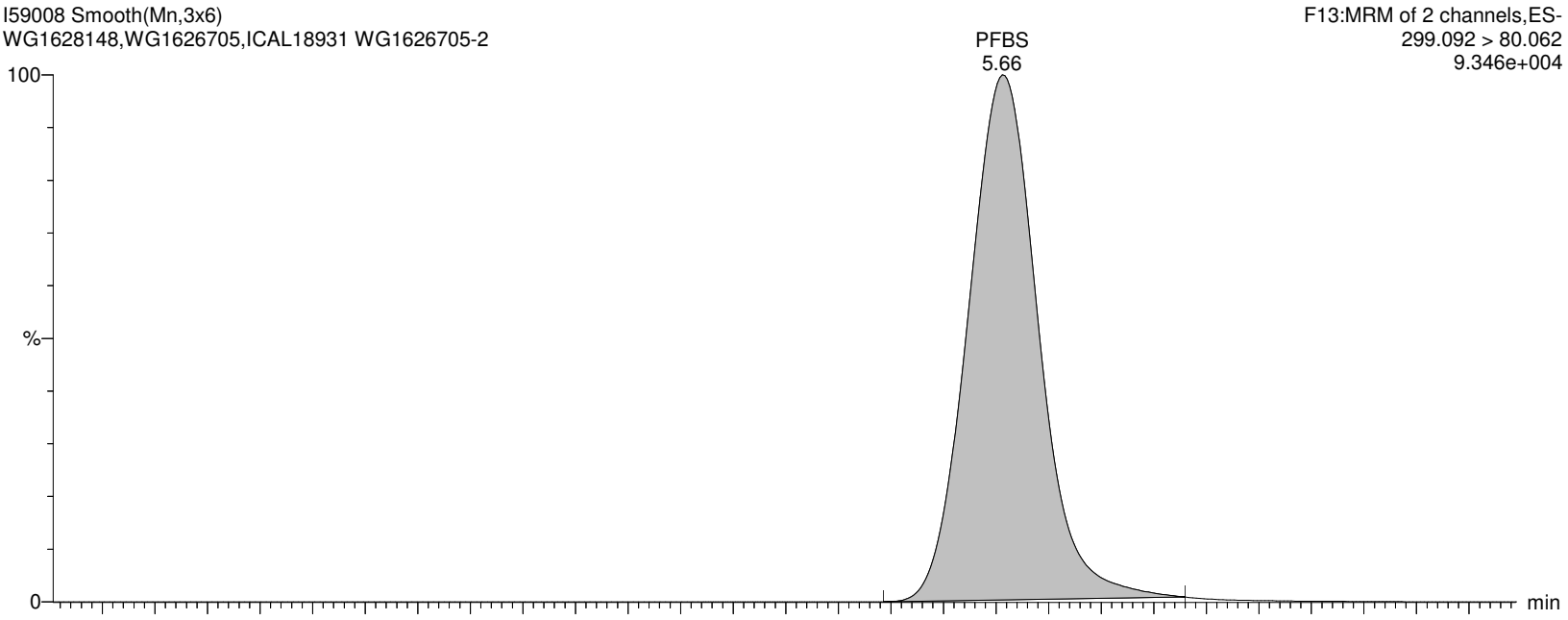


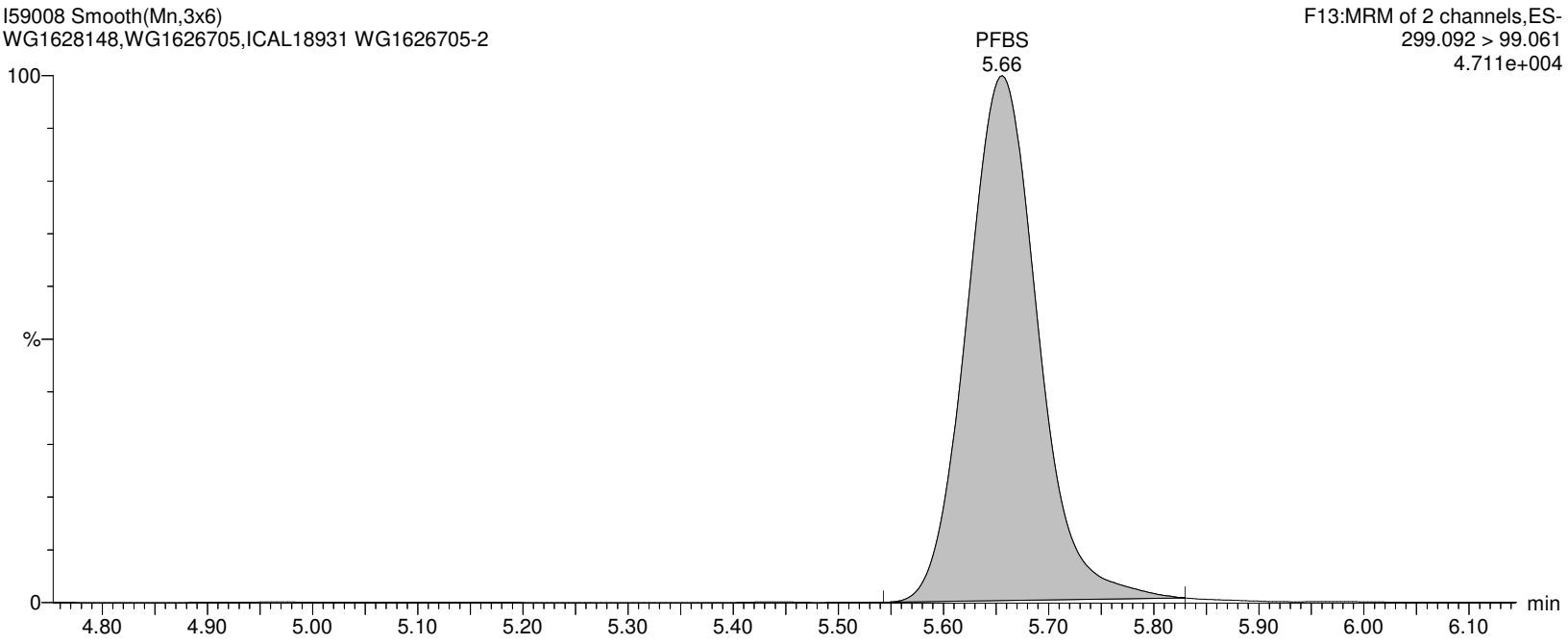
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PFBS



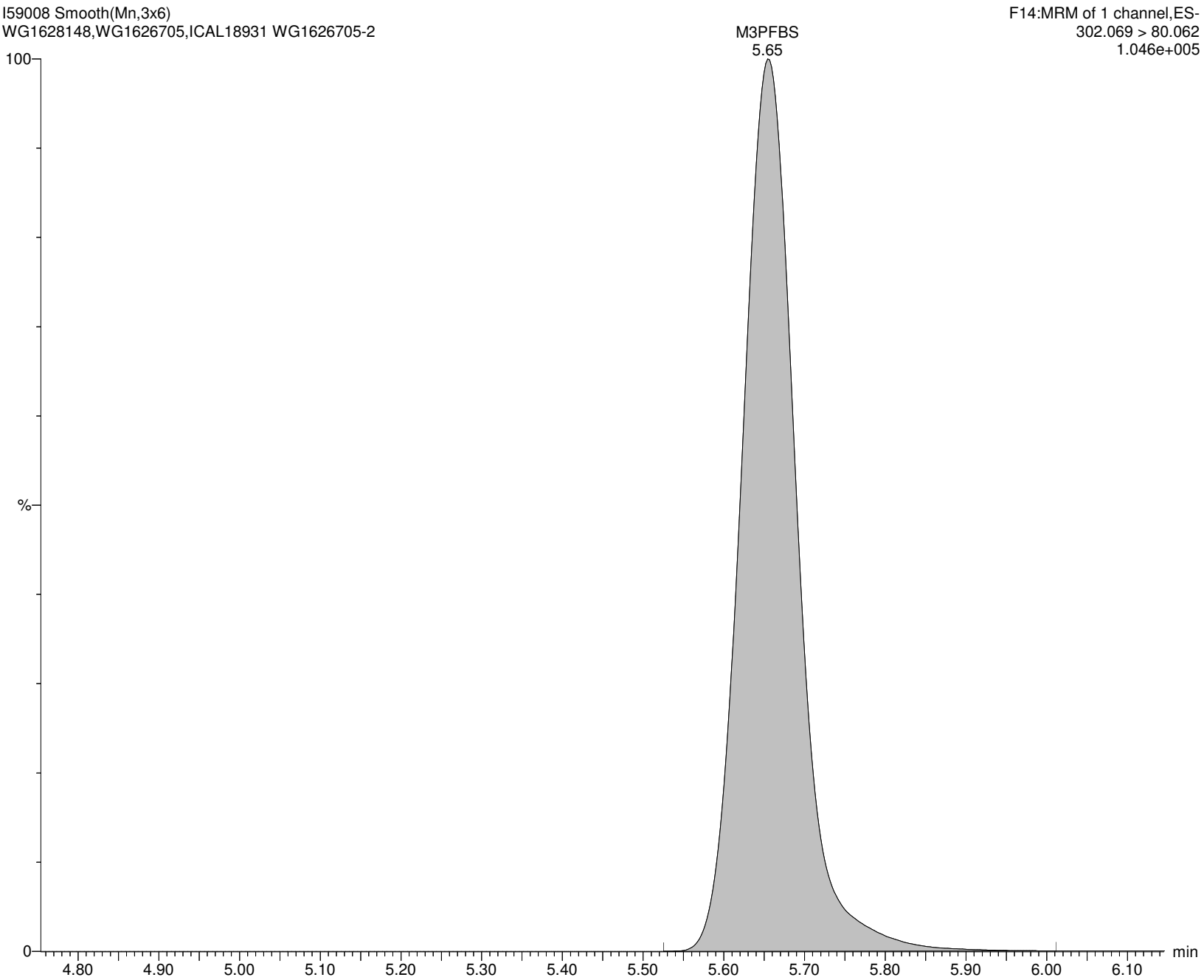


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M3PFBS

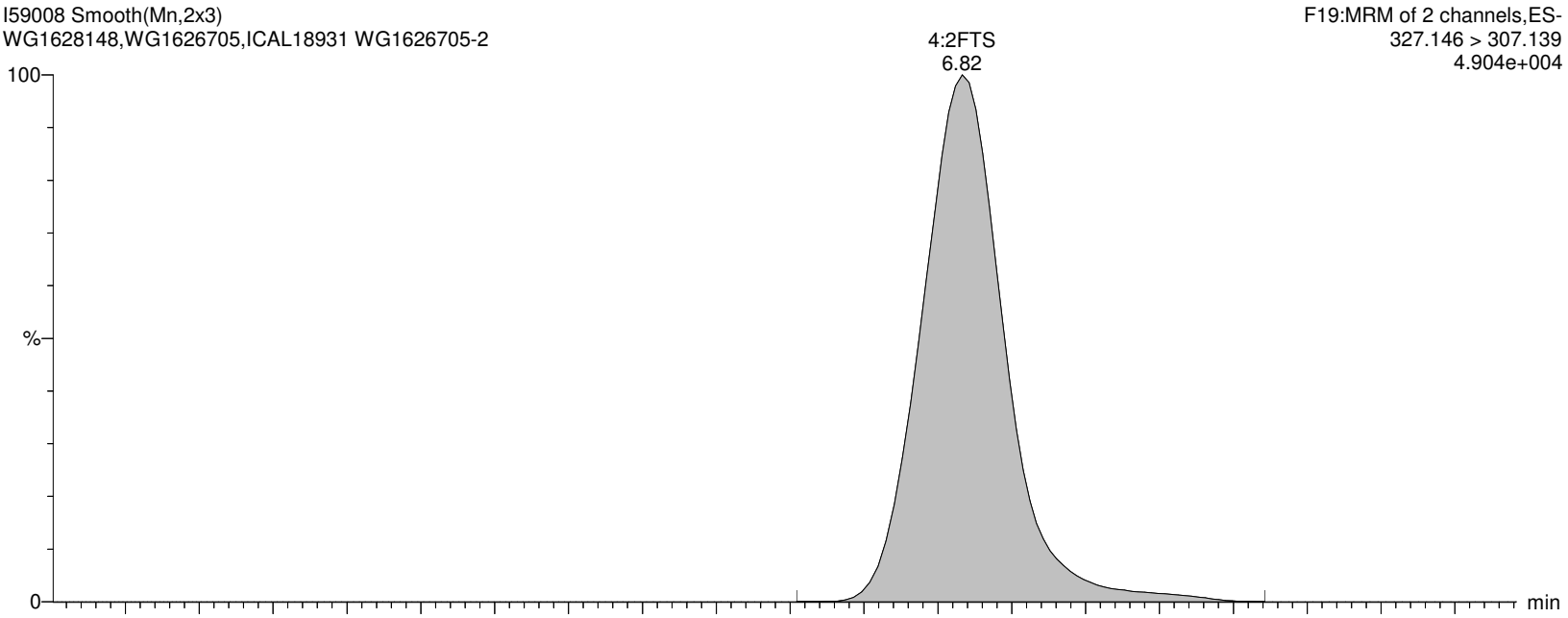


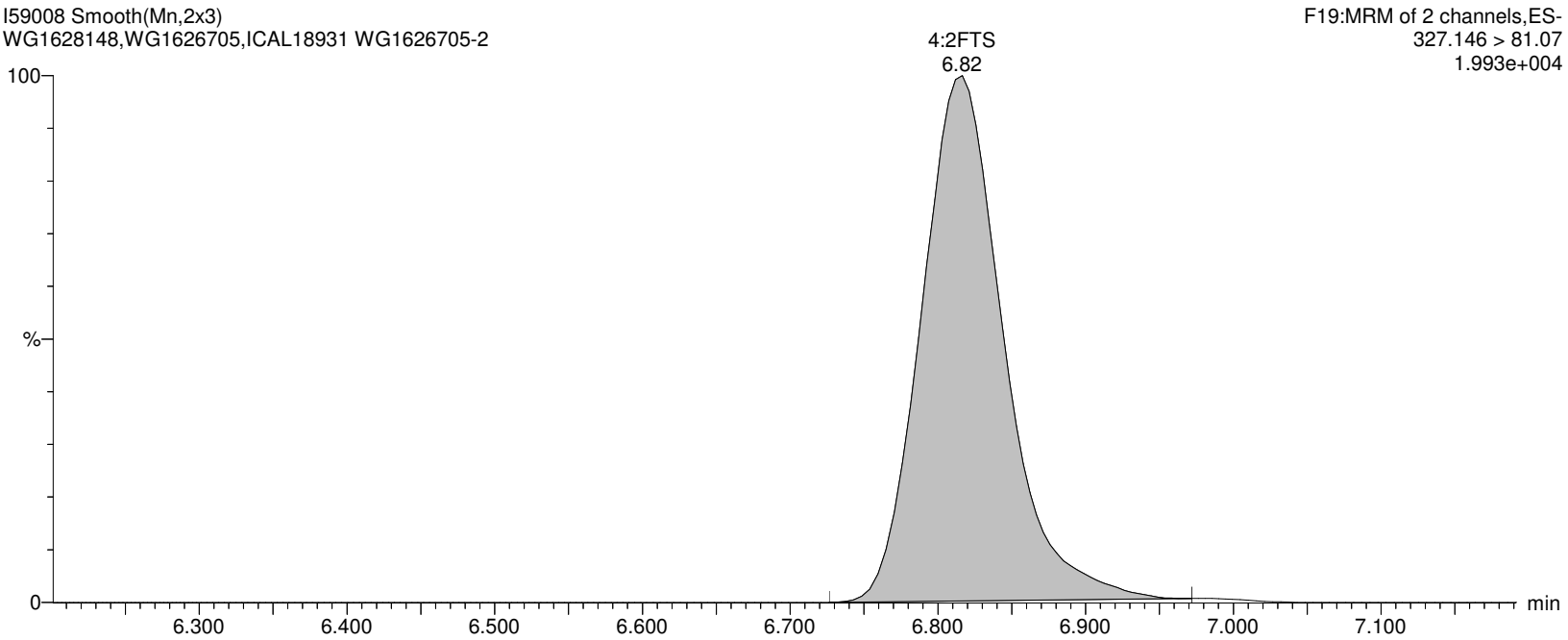
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4:2FTS



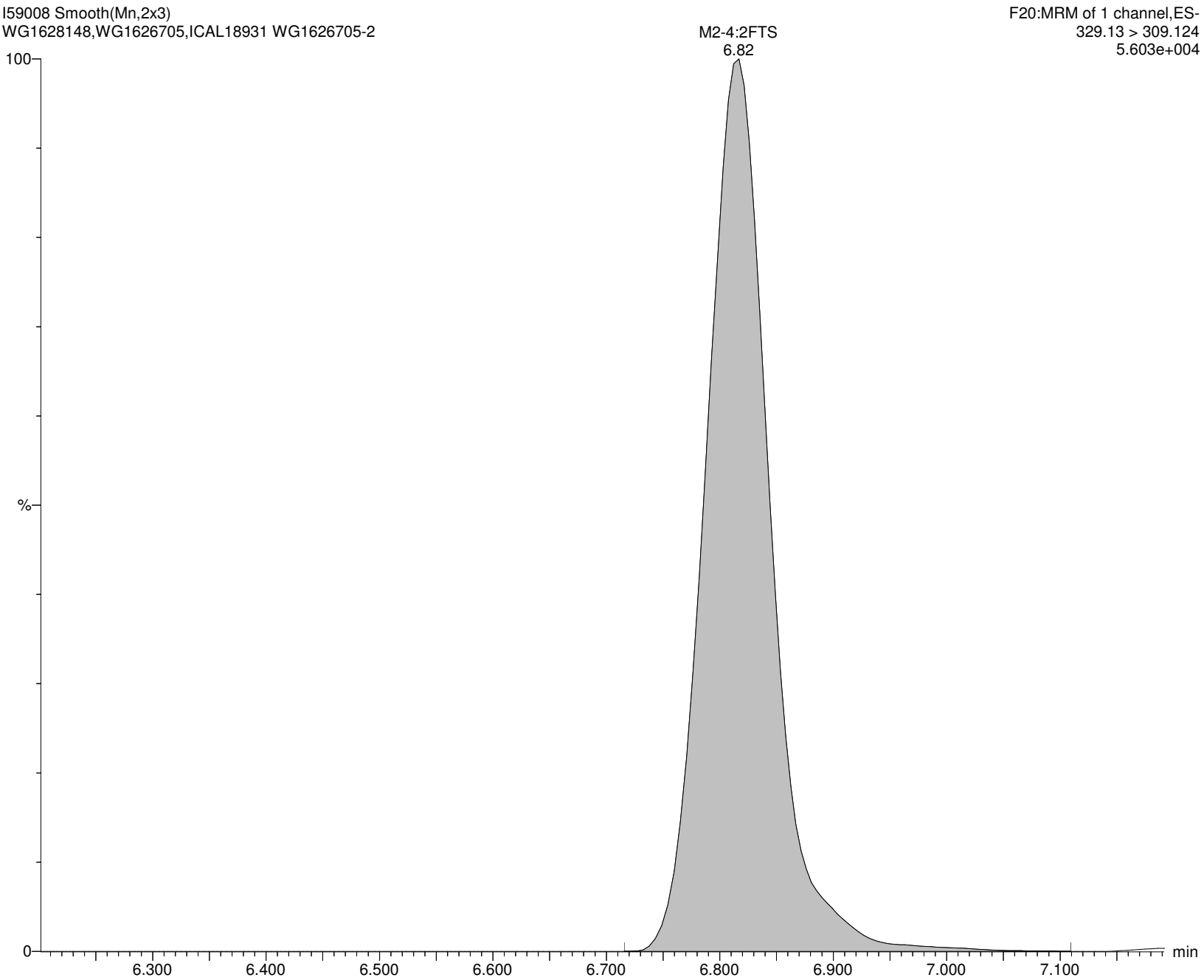


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M2-4:2FTS

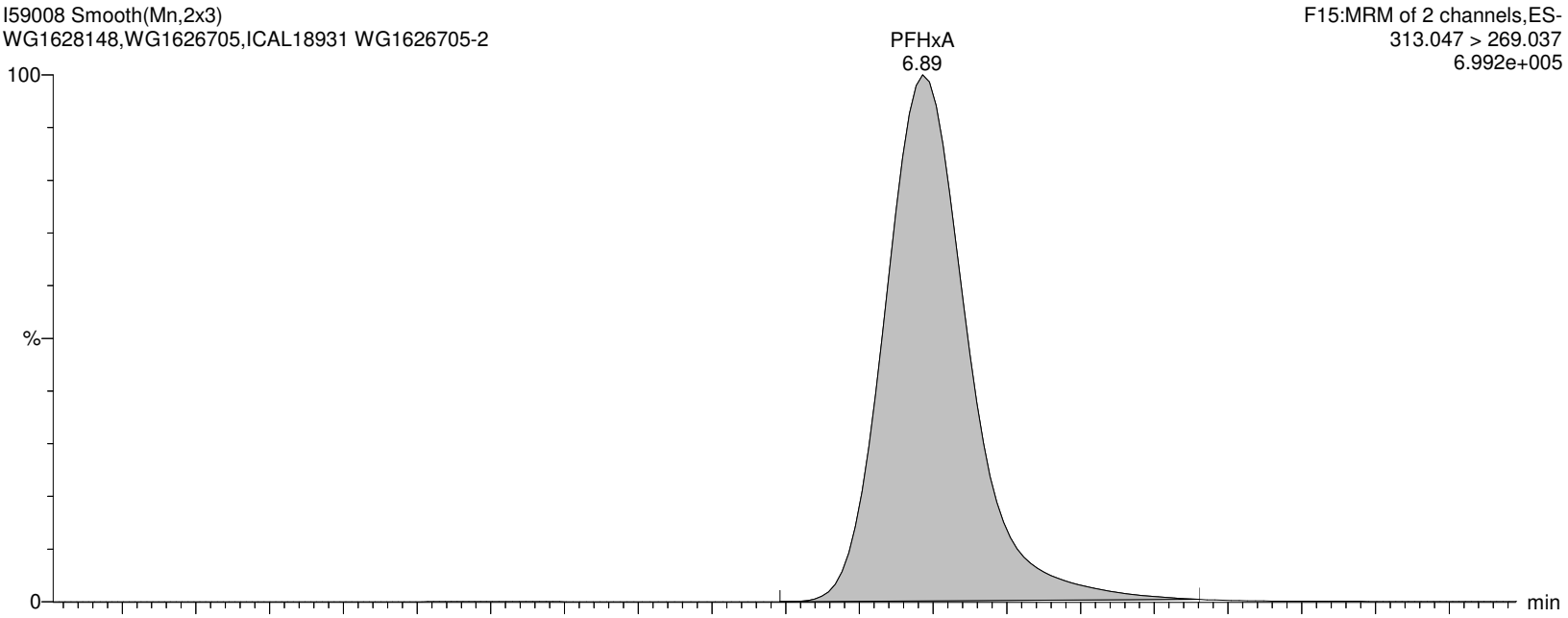


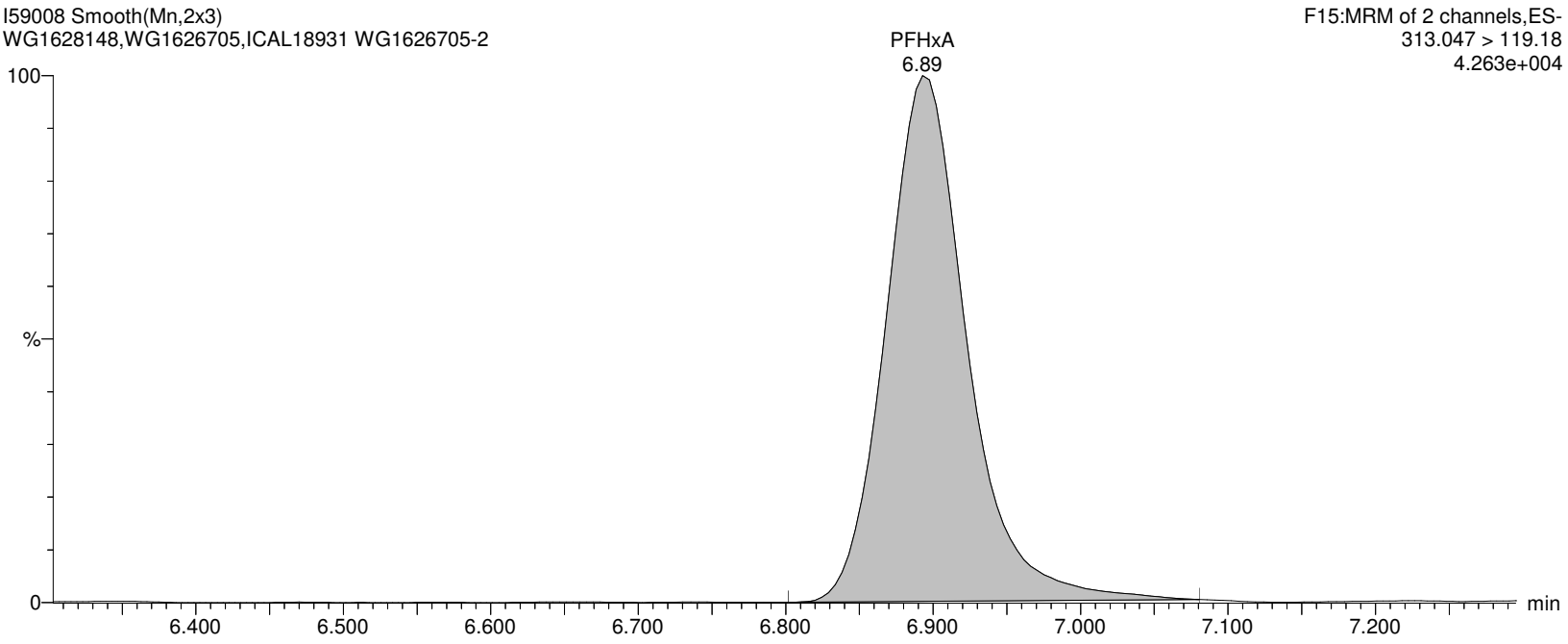
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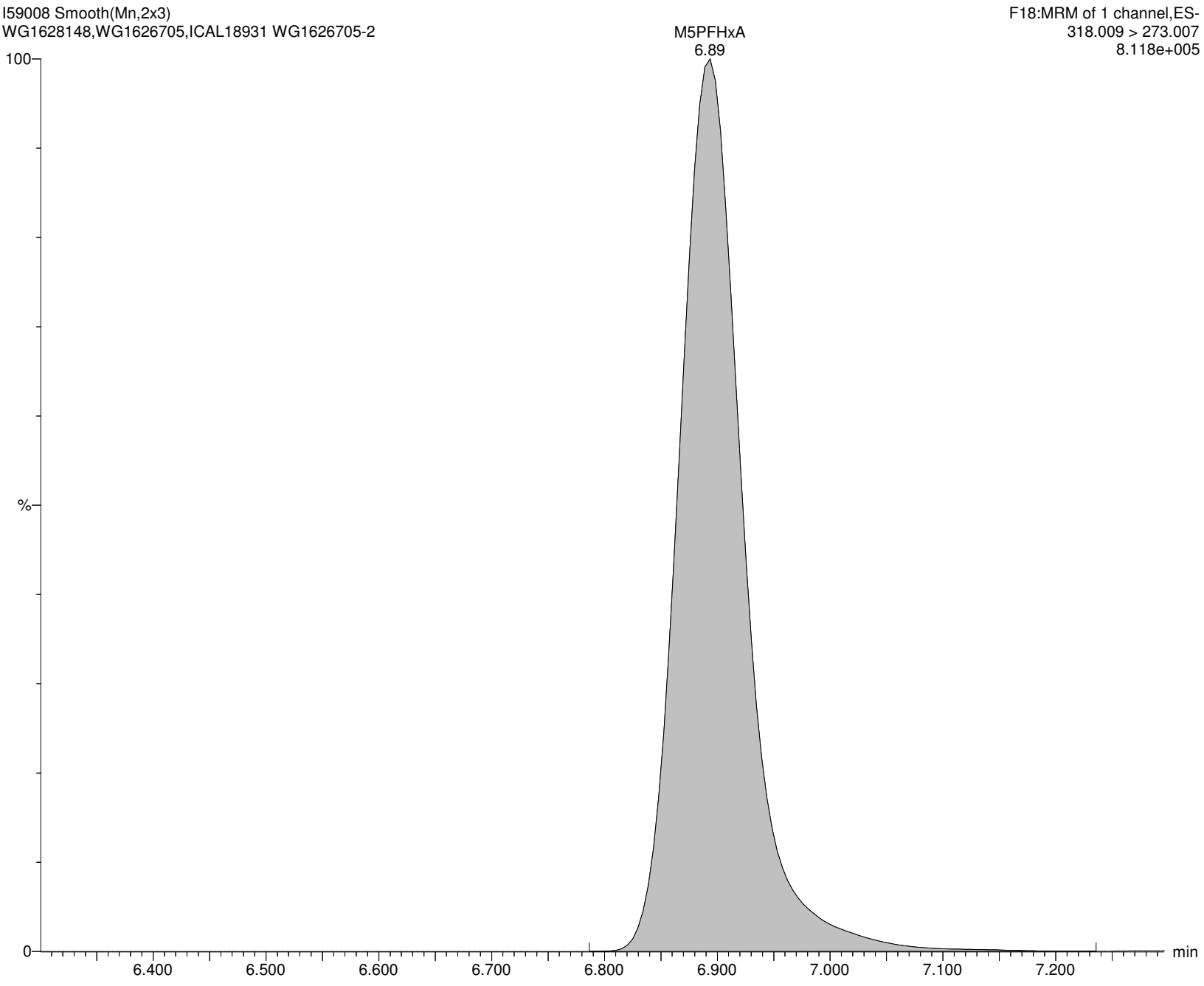


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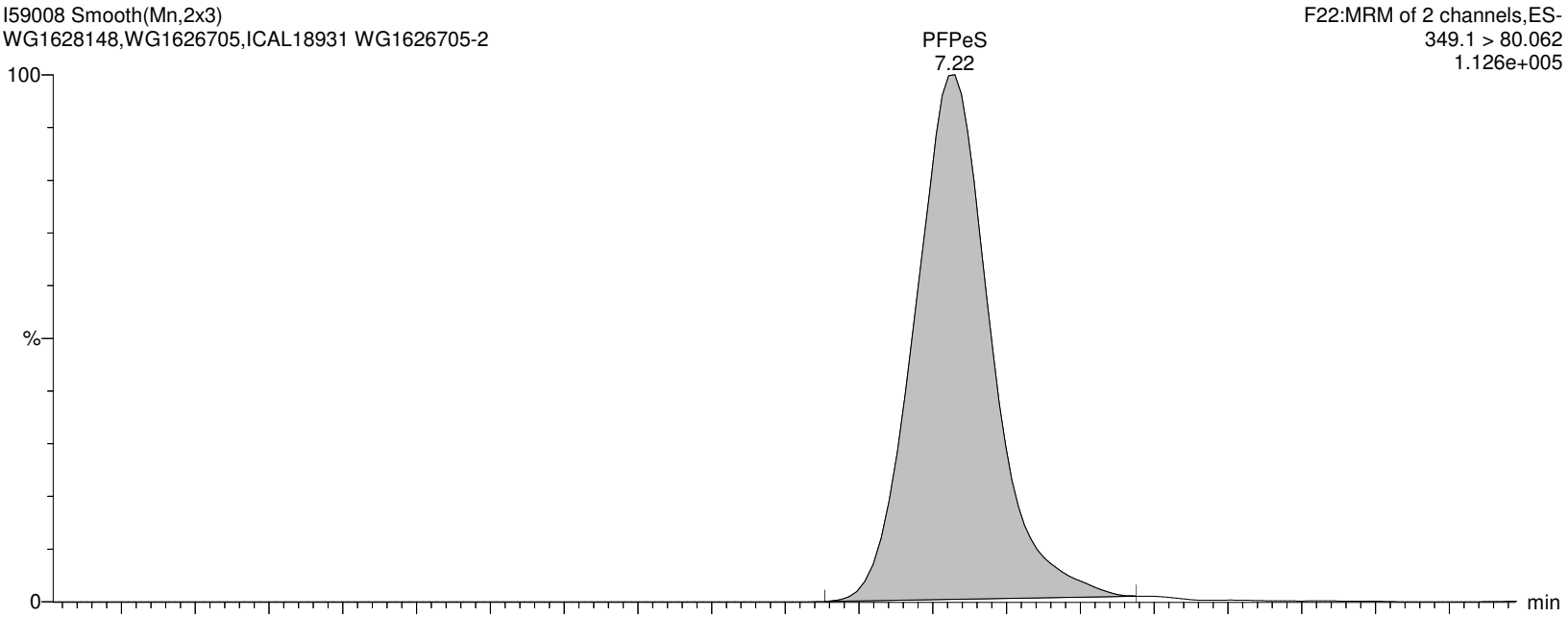


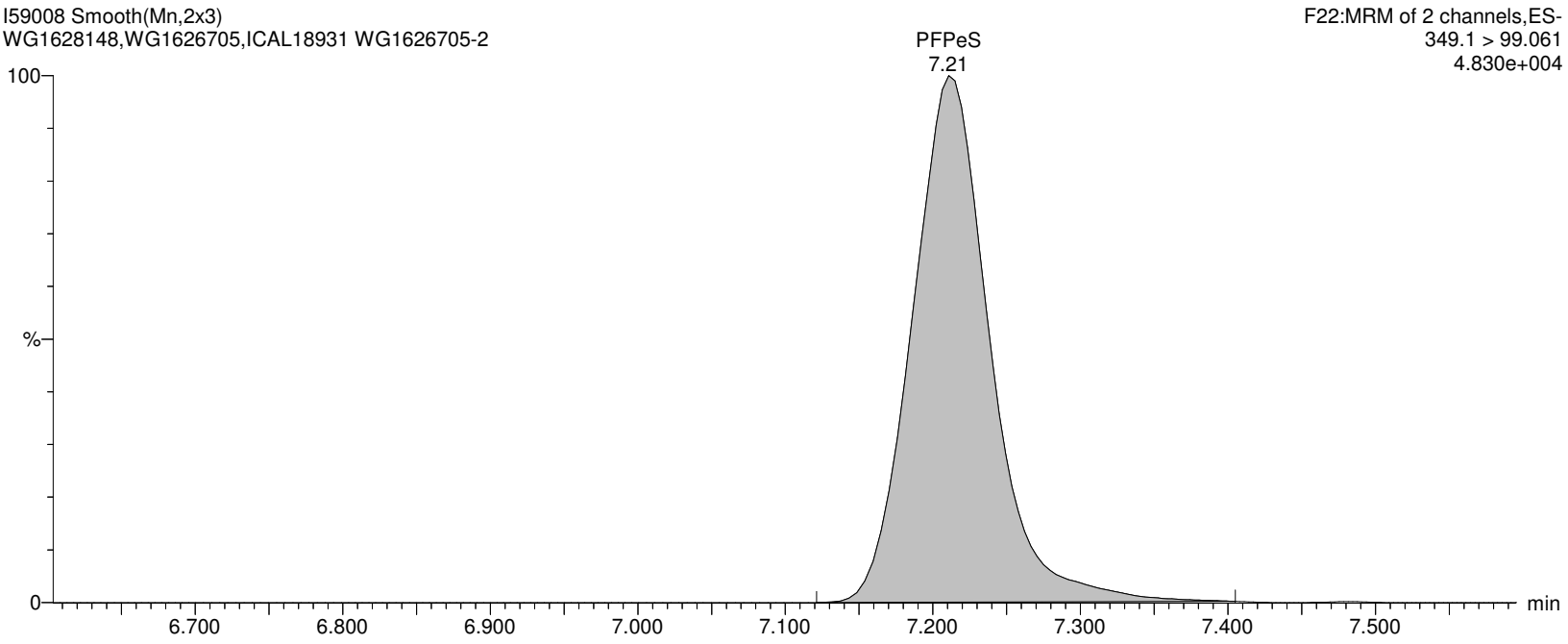
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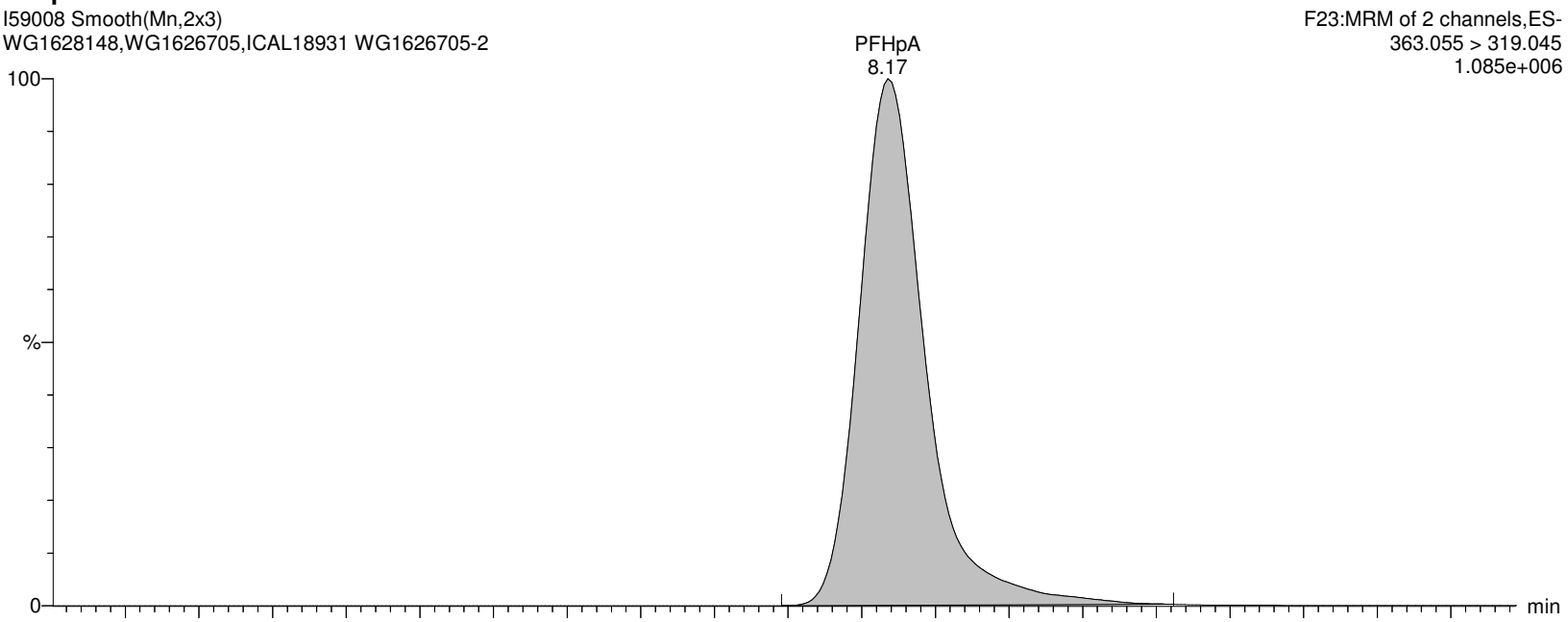


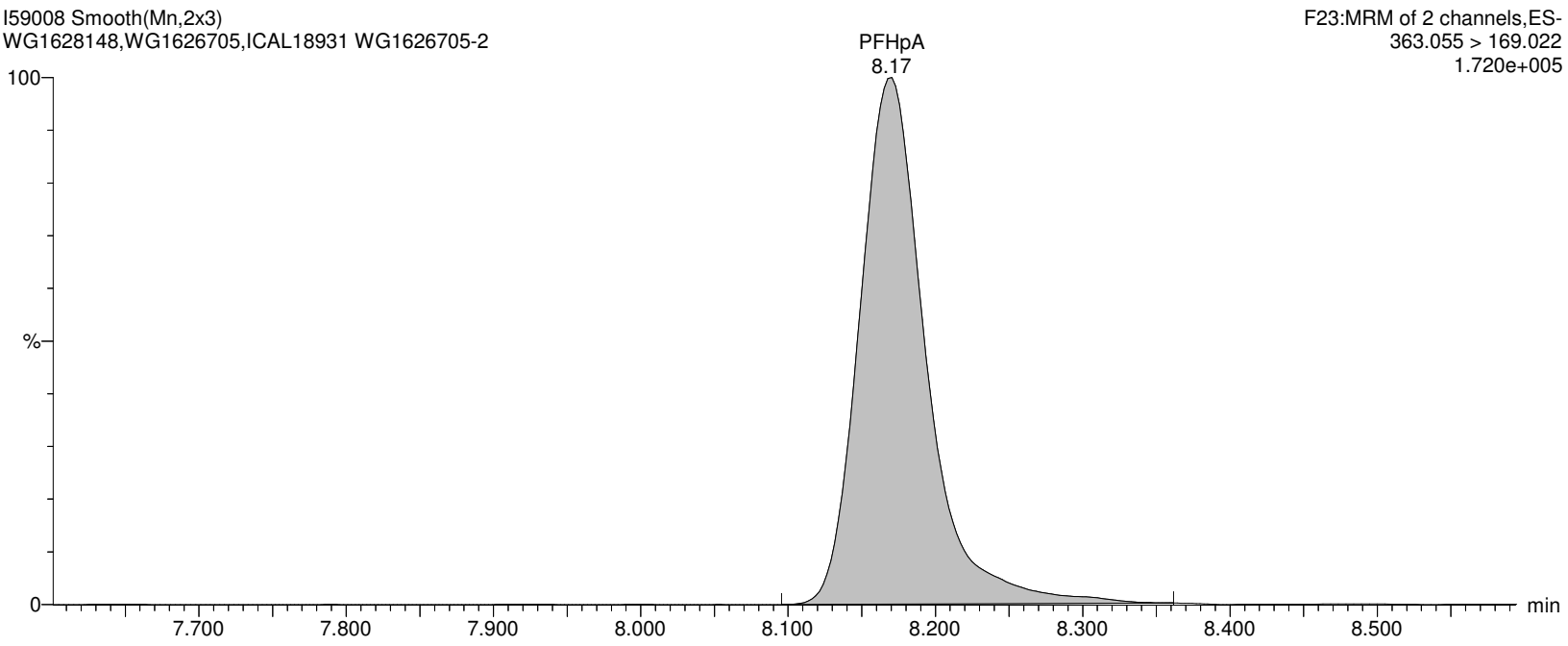
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Printed: Tuesday, April 19, 2022 18:57:38 Eastern Daylight Time

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ID: WG1626705-2
Date: 17-Apr-2022
Time: 19:30:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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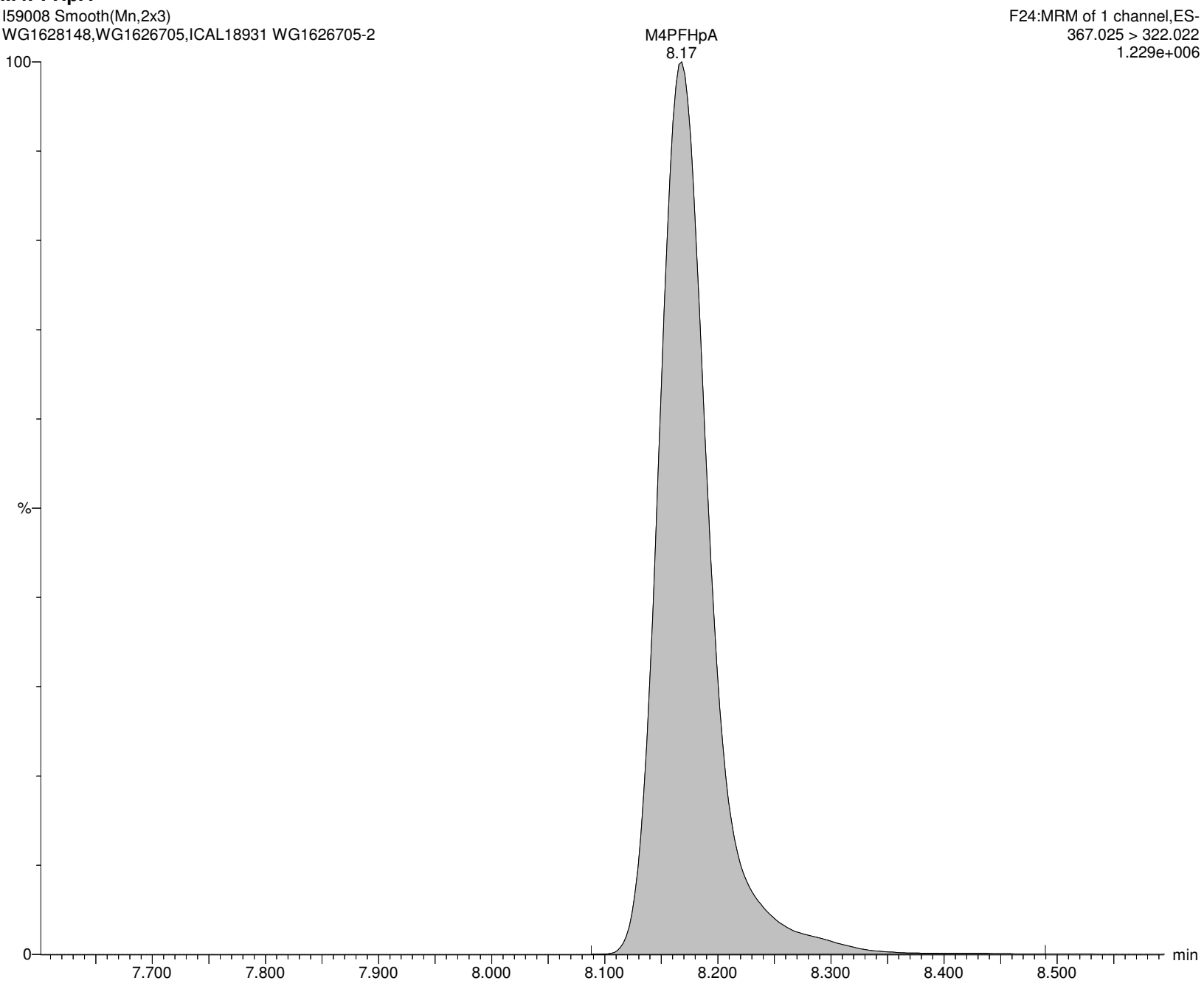


all concentration units in (ng/mL)

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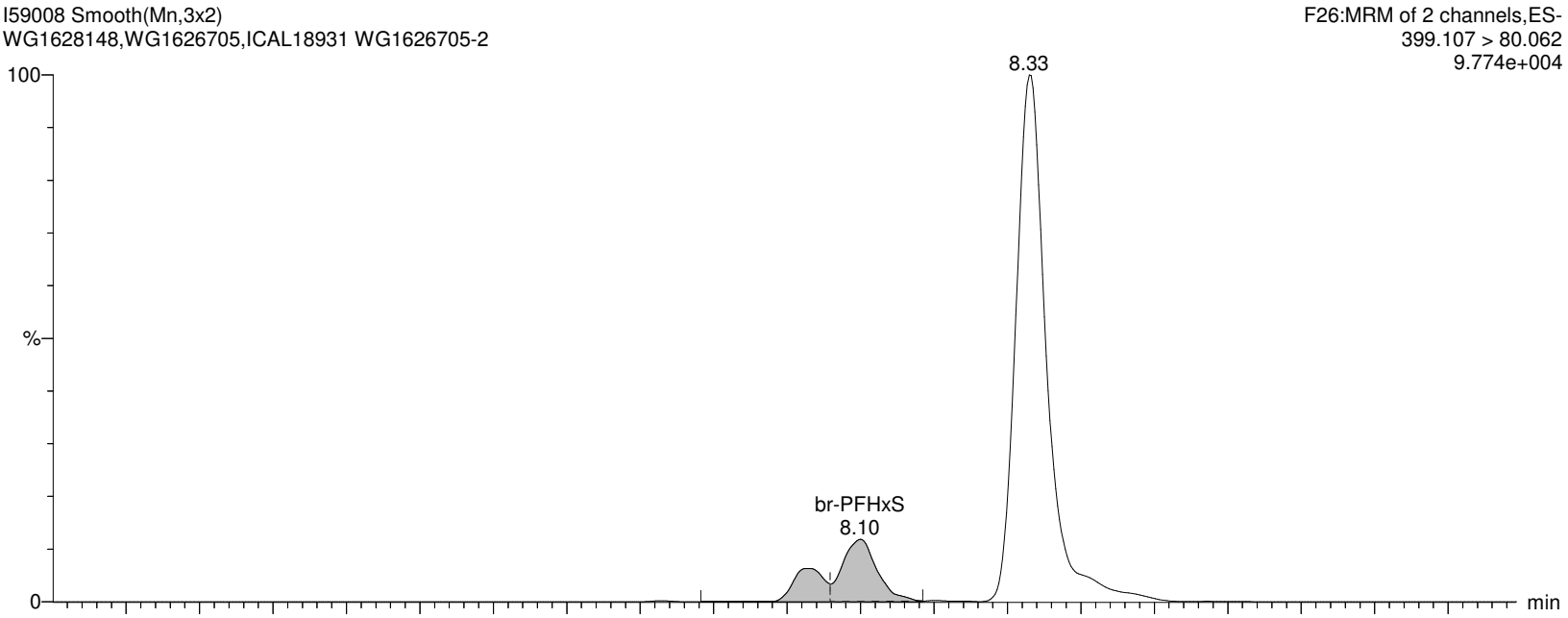


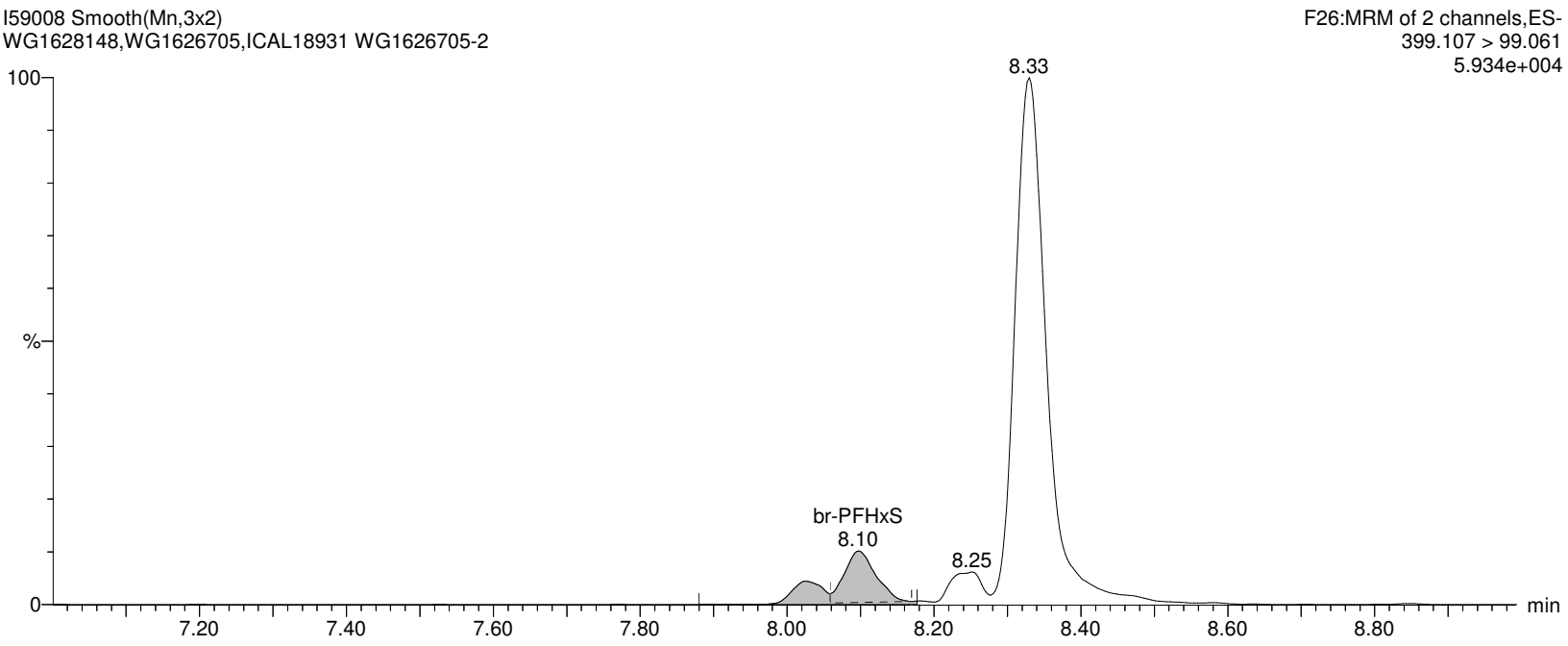
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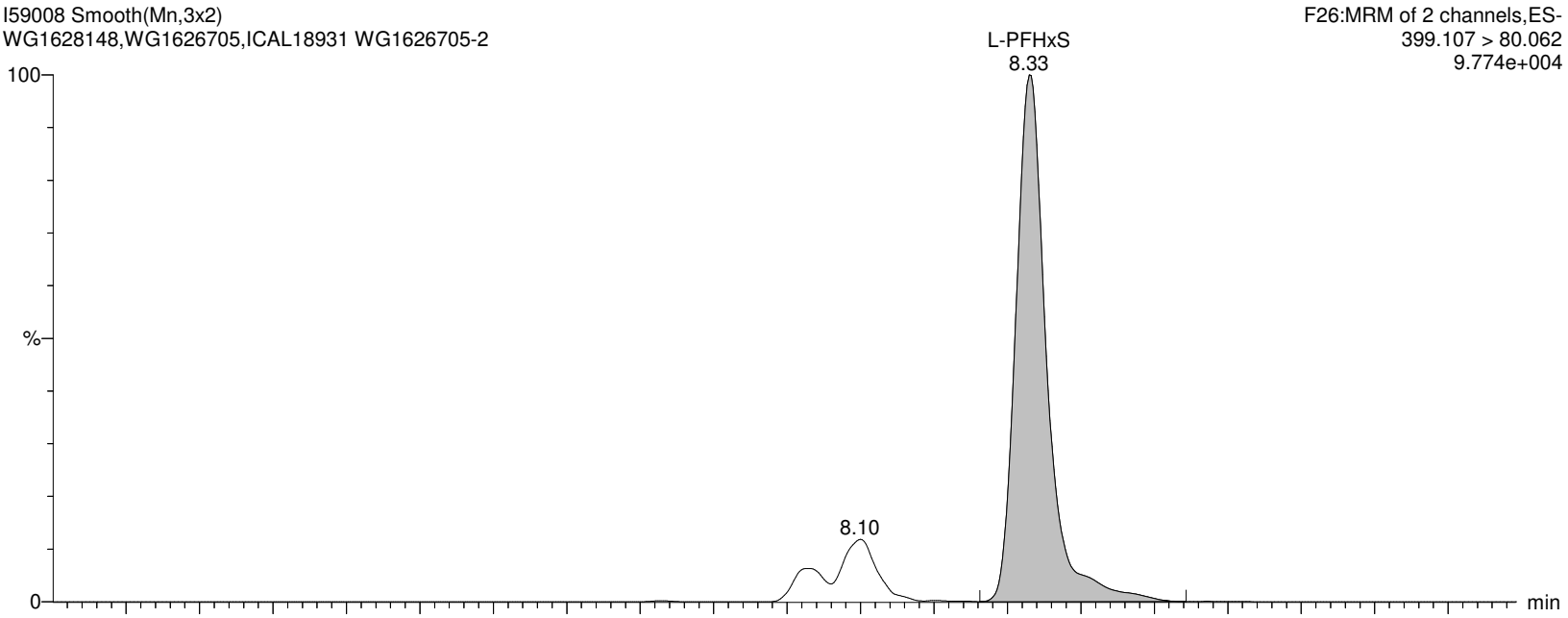


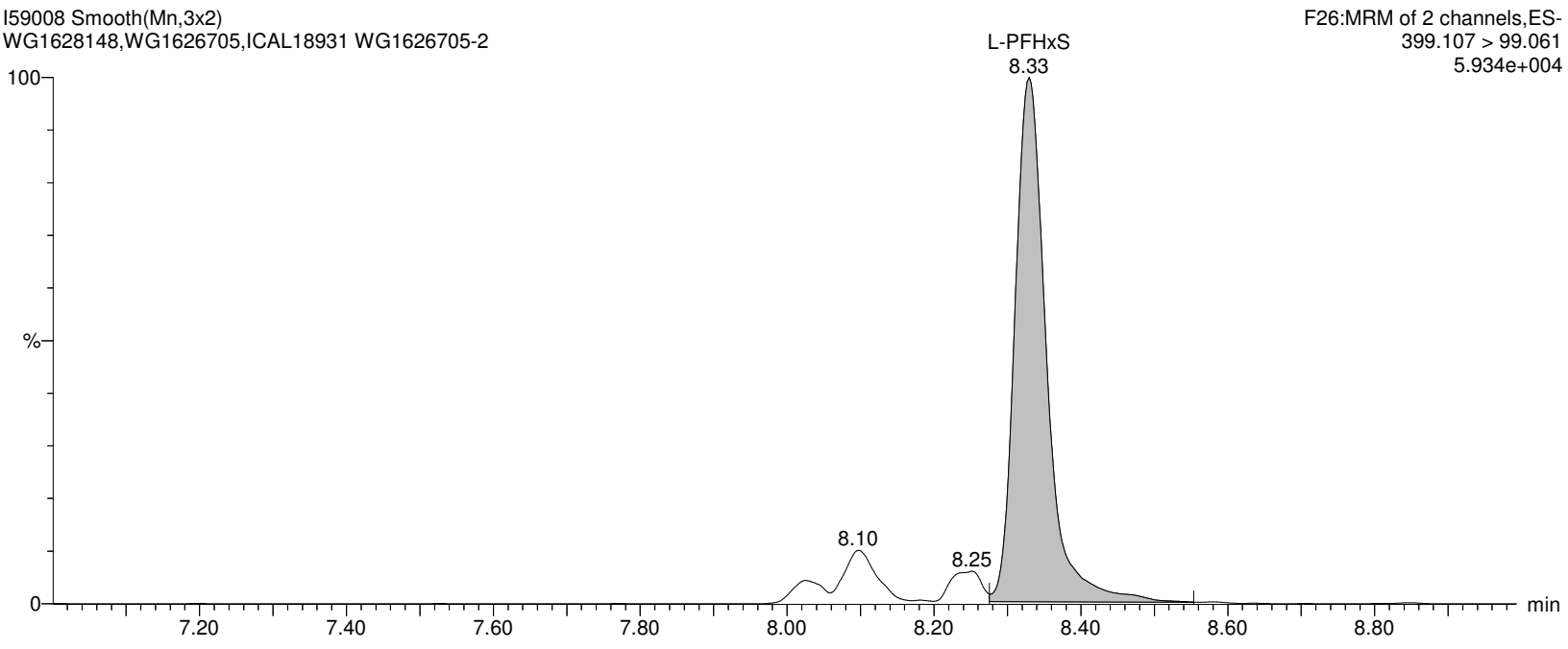
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L-PFHxS



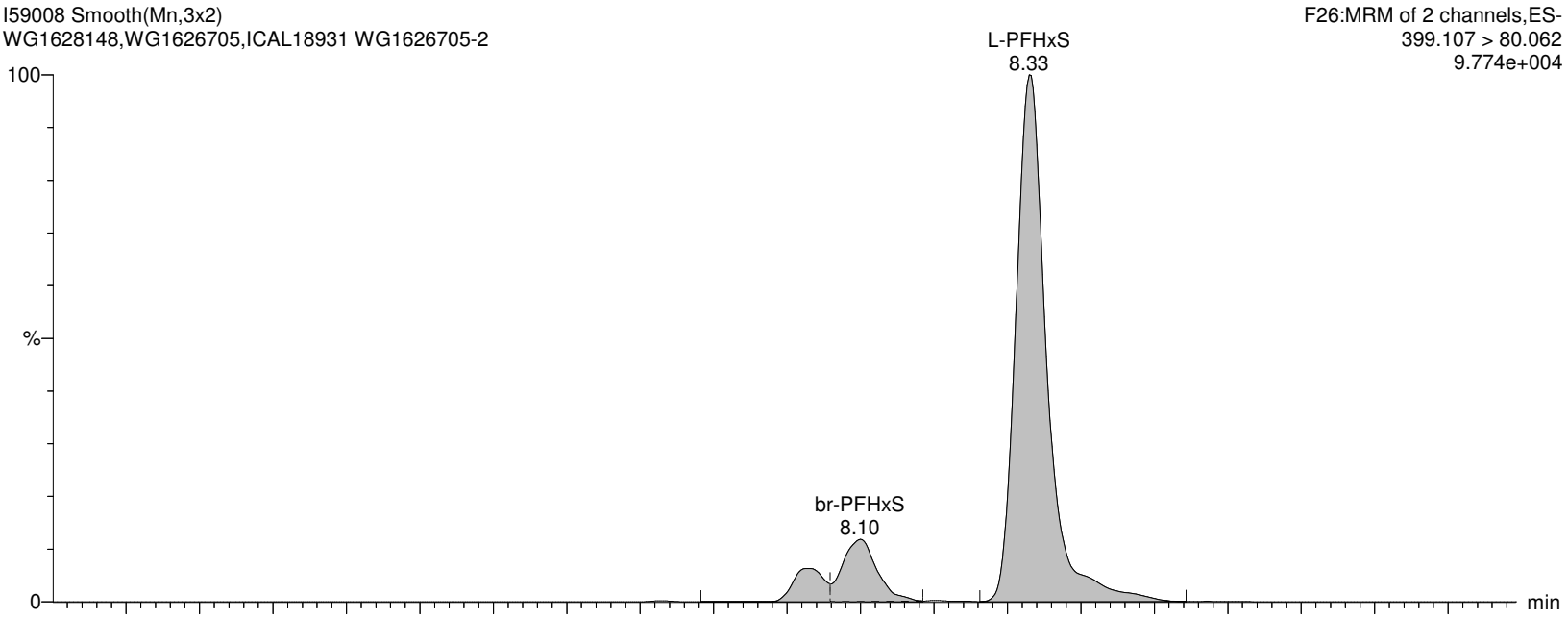


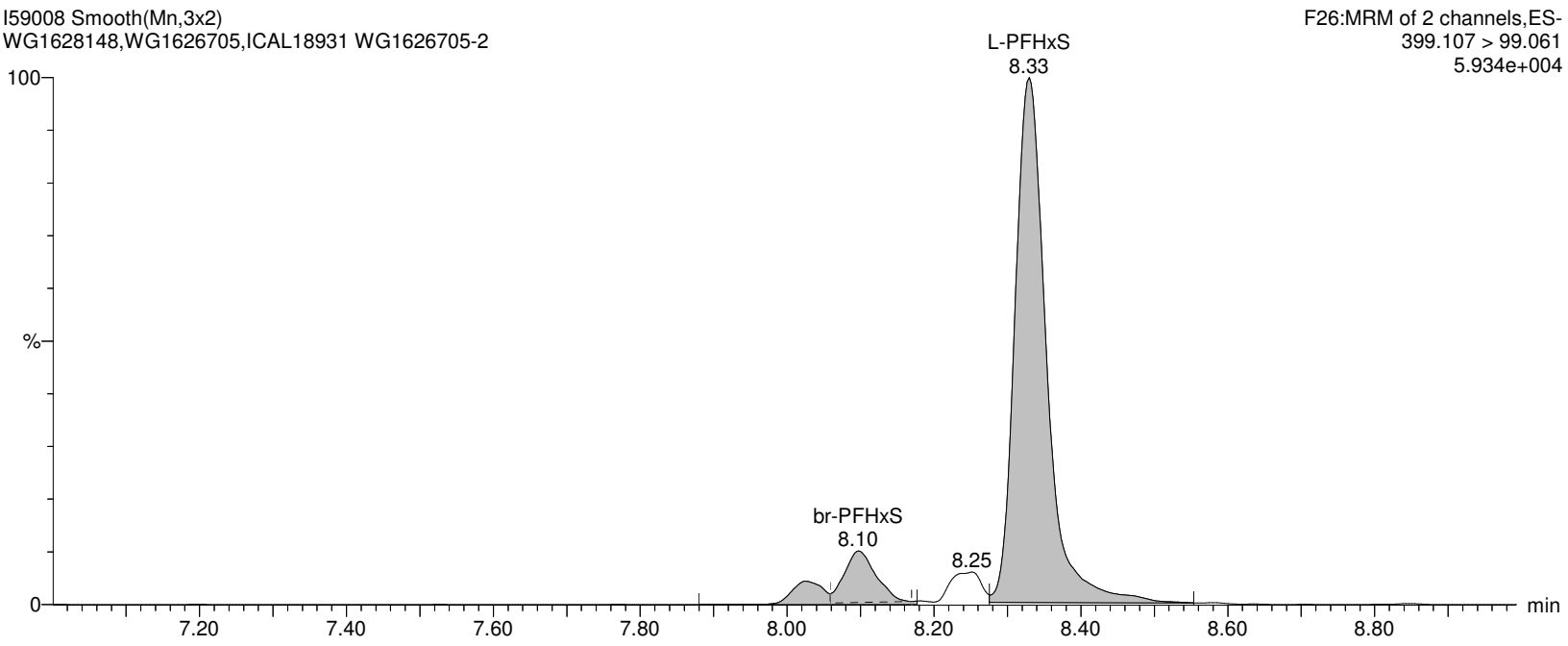
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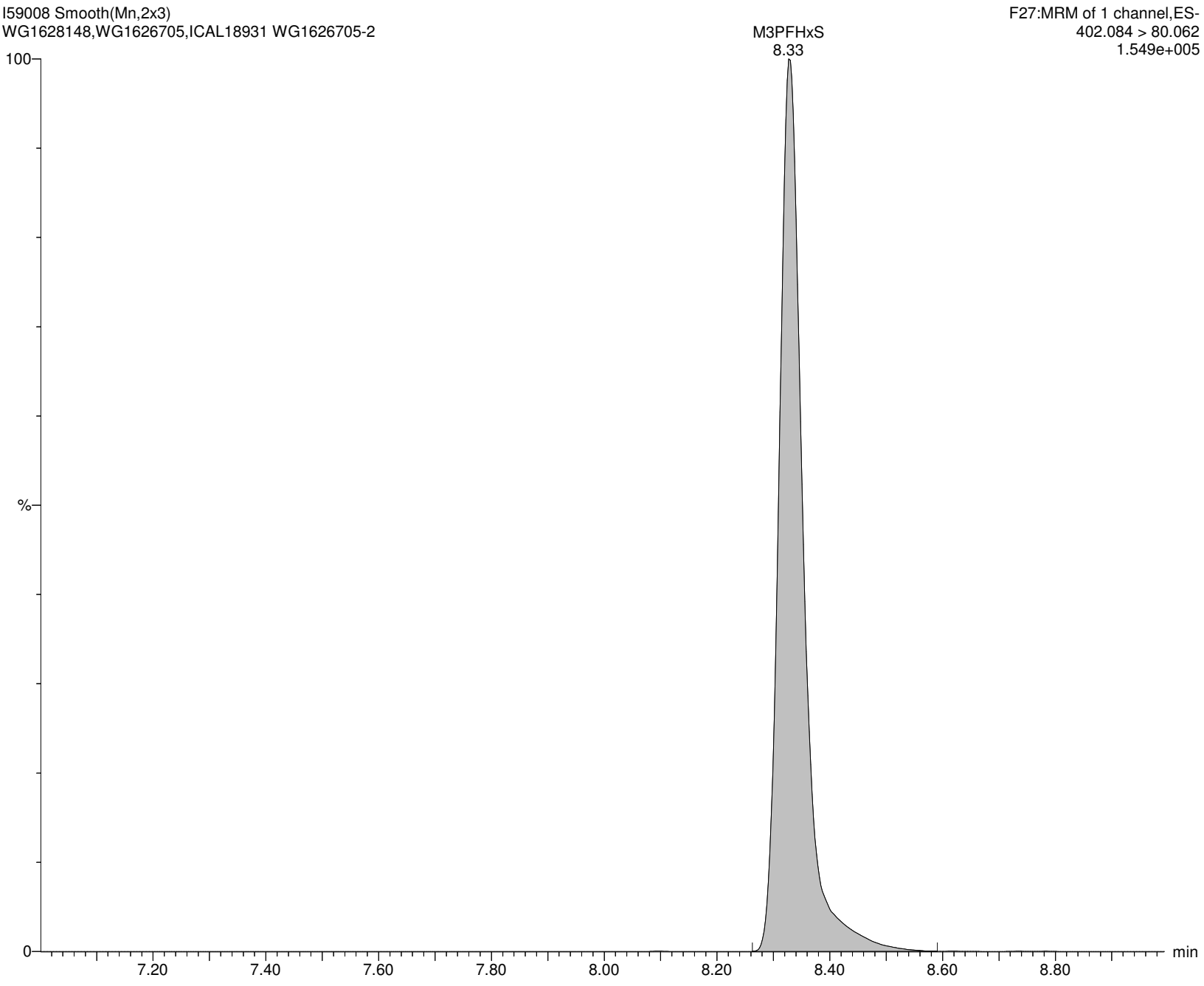


all concentration units in (ng/mL)

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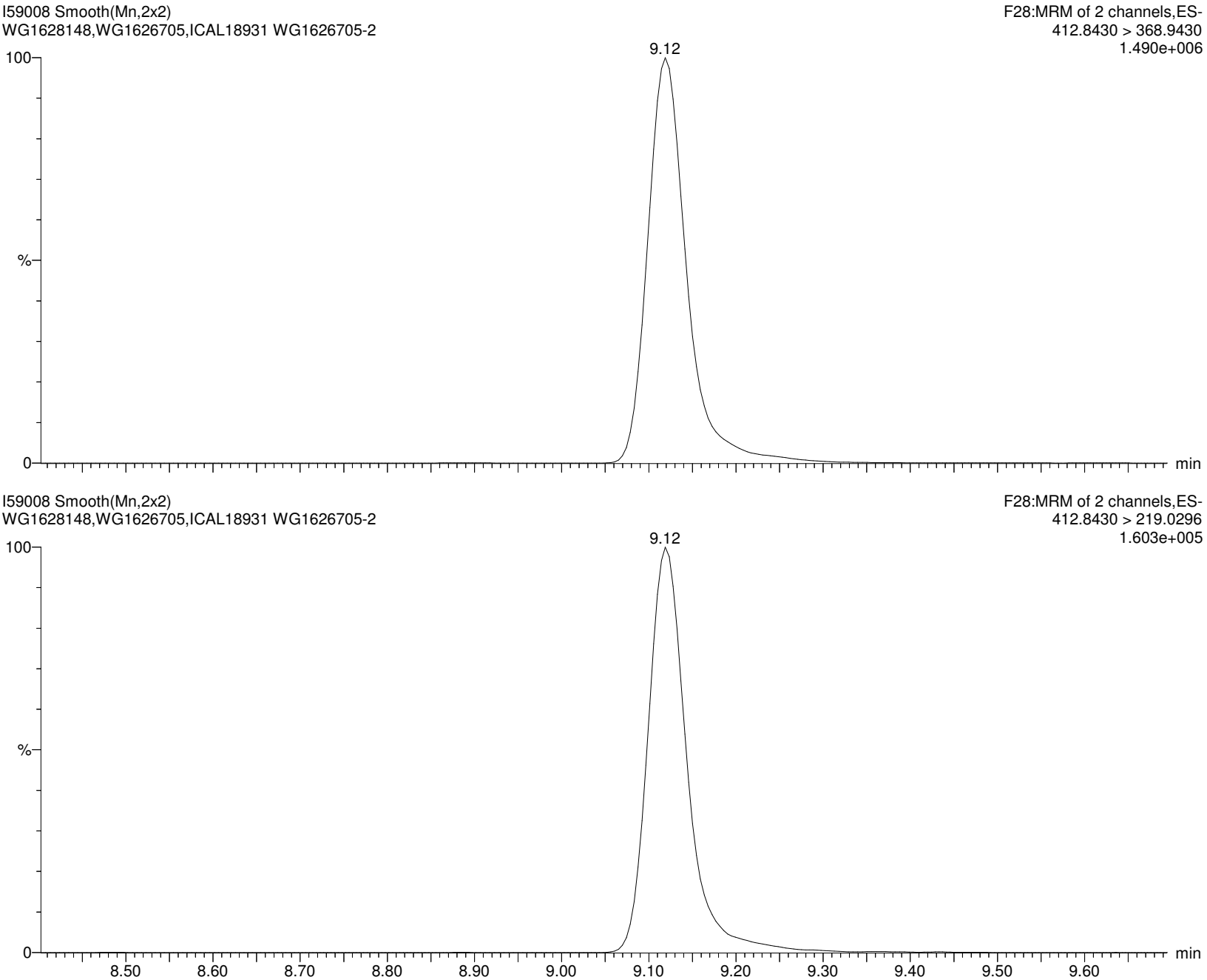


all concentration units in (ng/mL)

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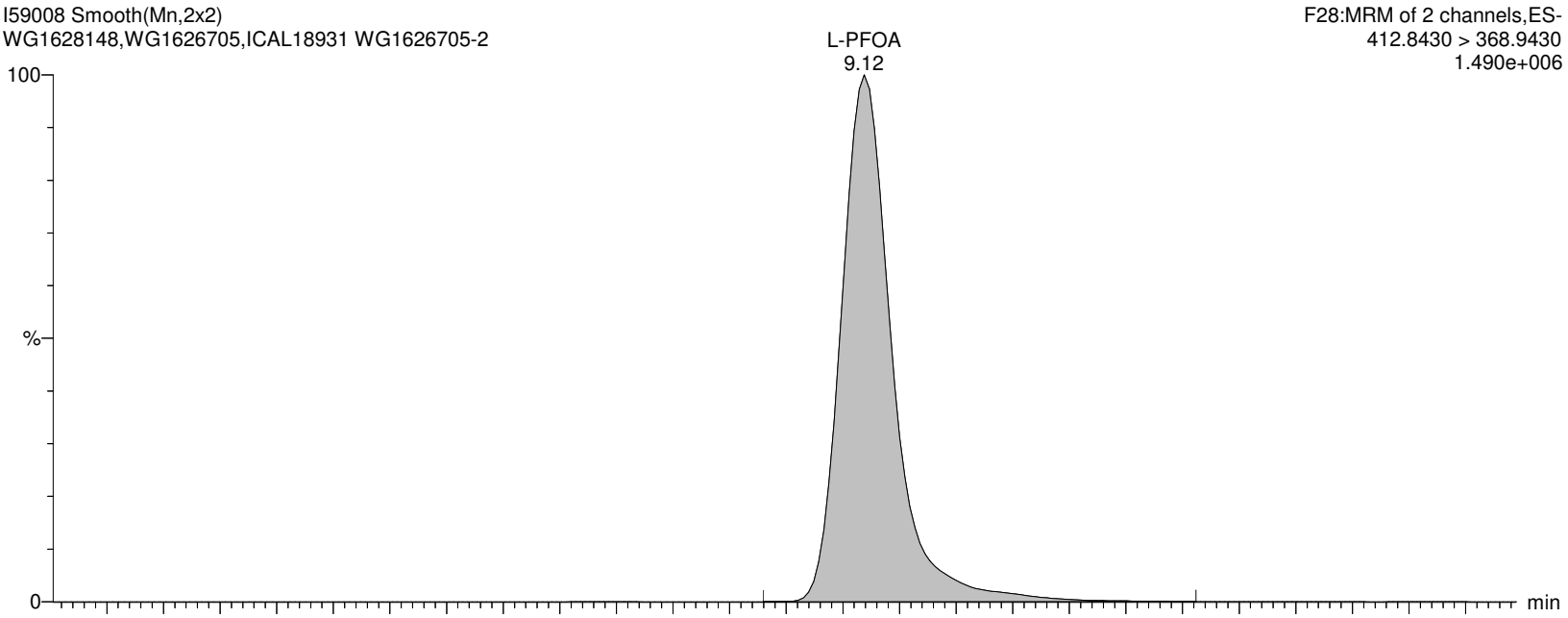


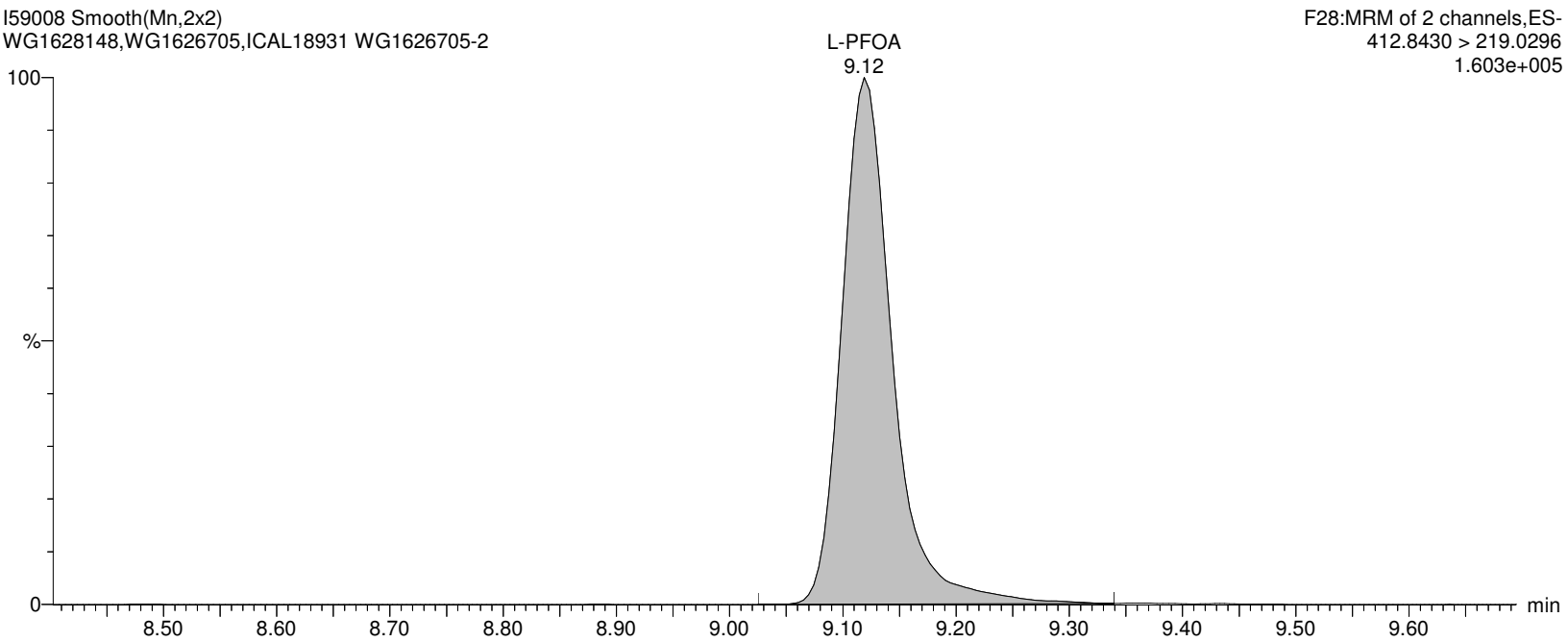
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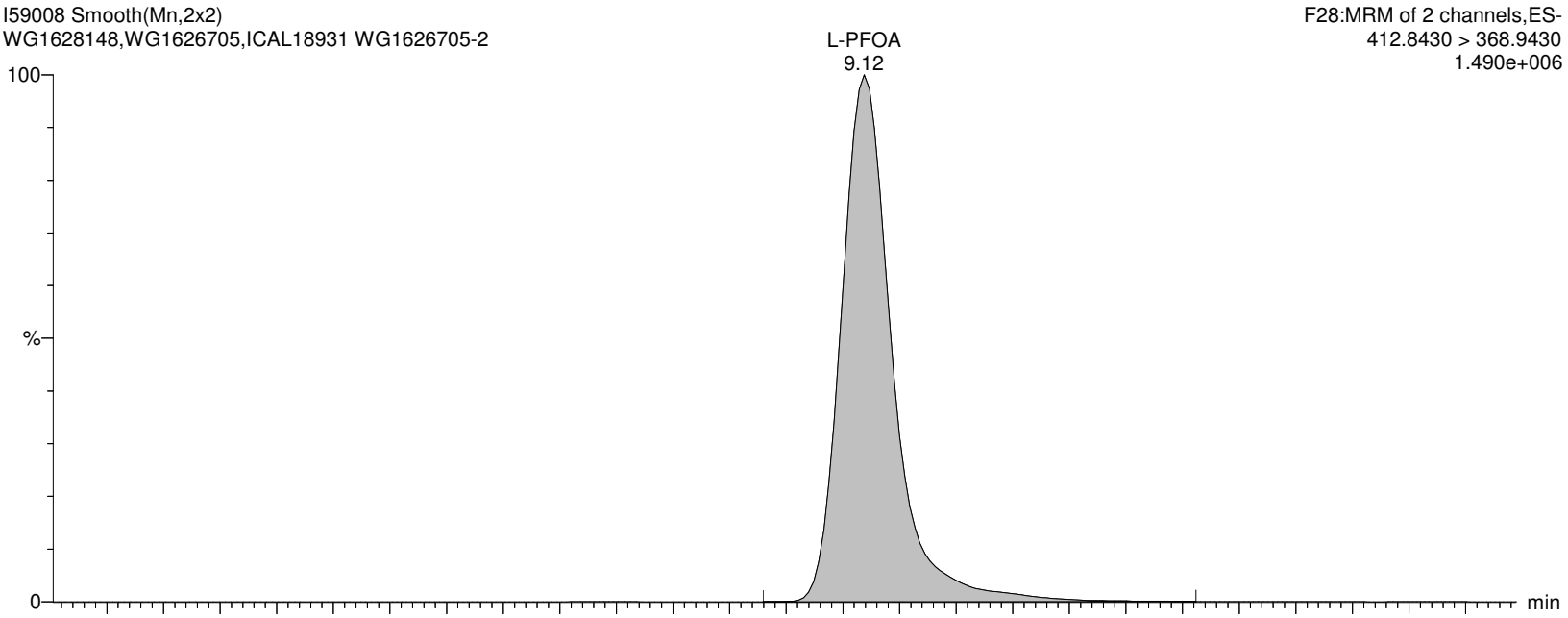


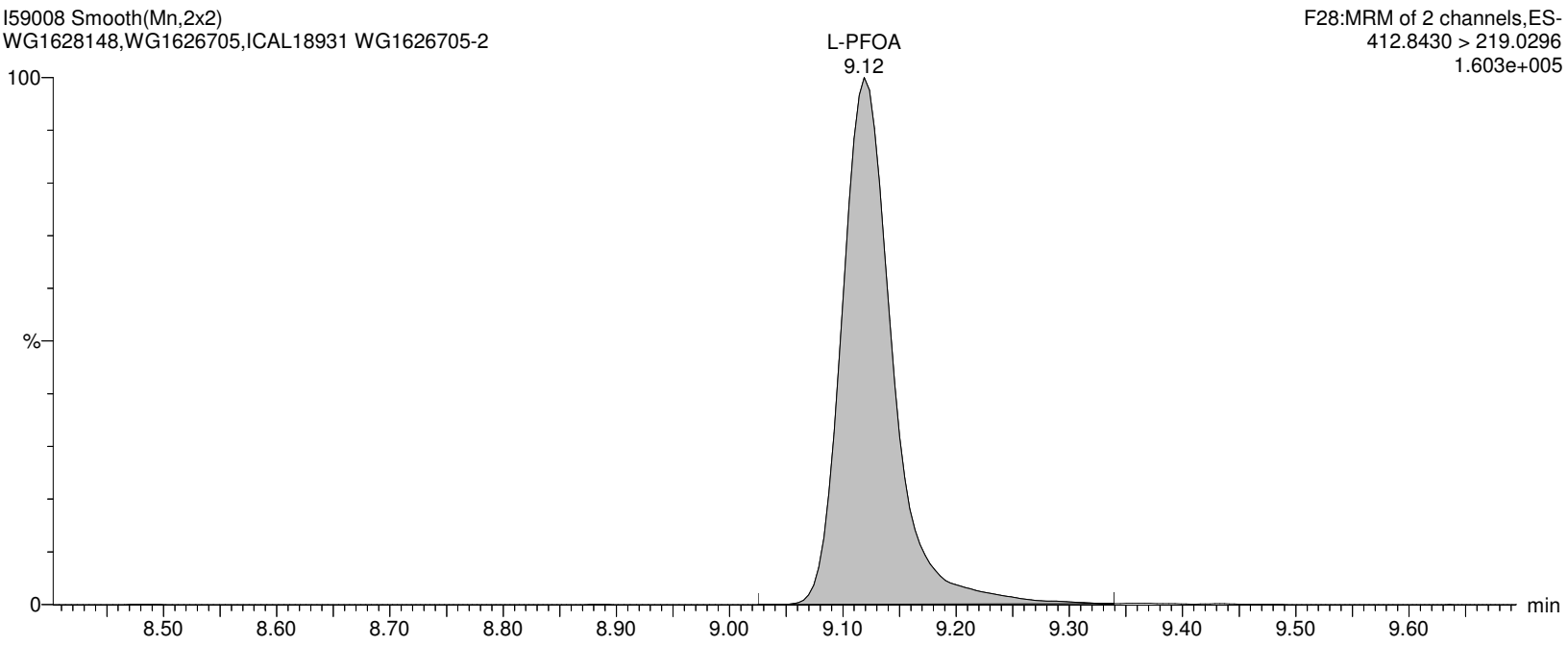
all concentration units in (ng/mL)

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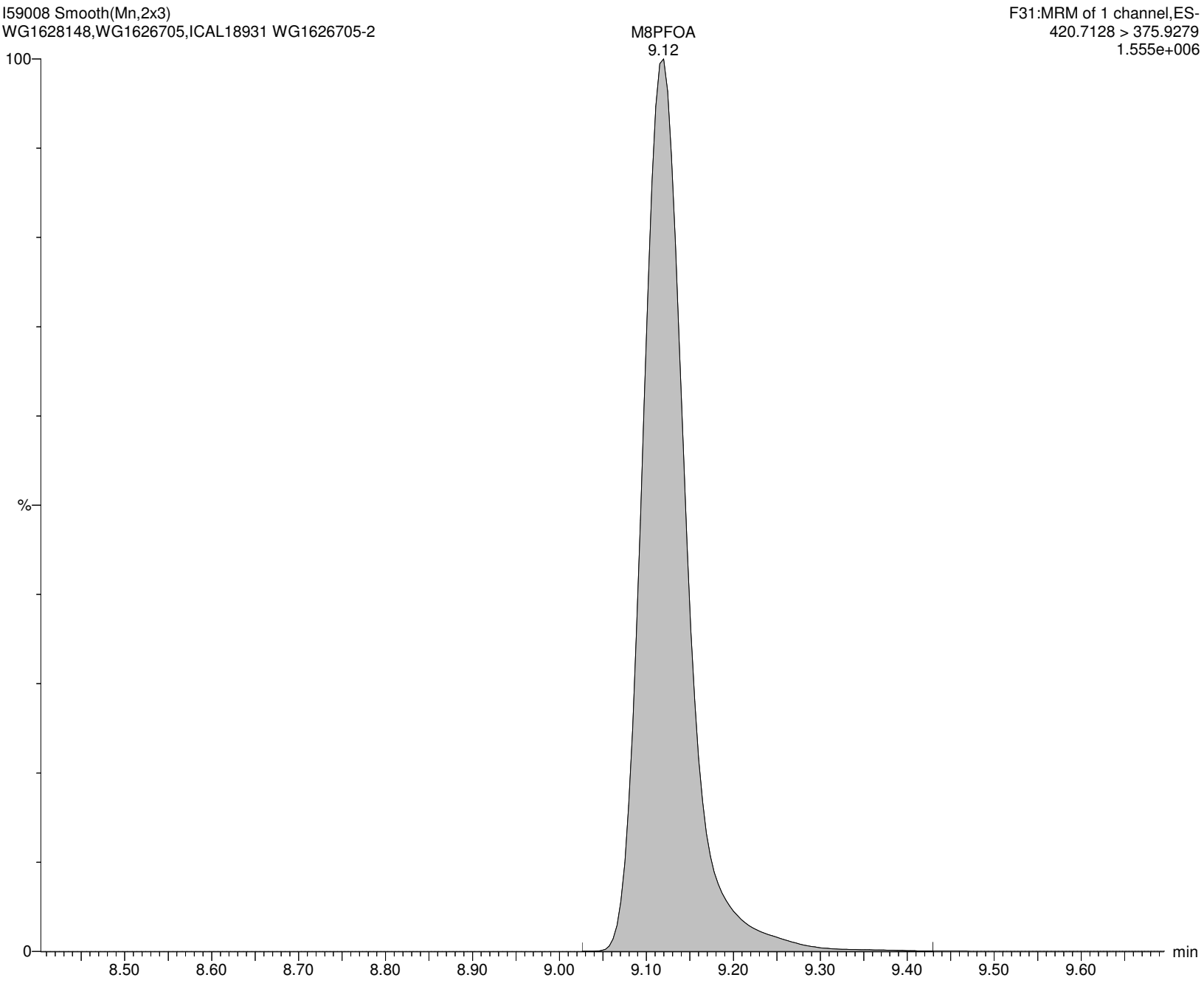


all concentration units in (ng/mL)

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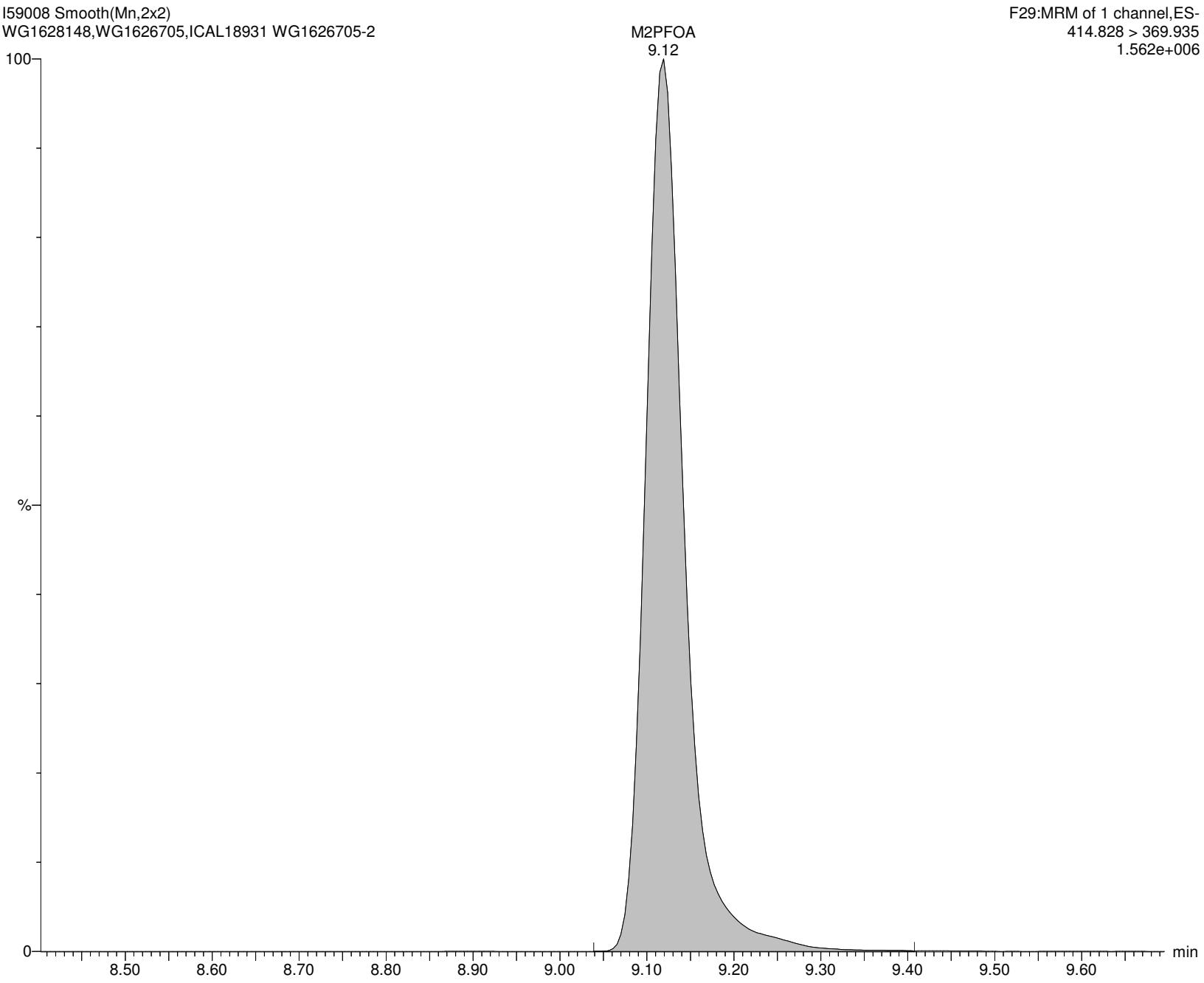


all concentration units in (ng/mL)

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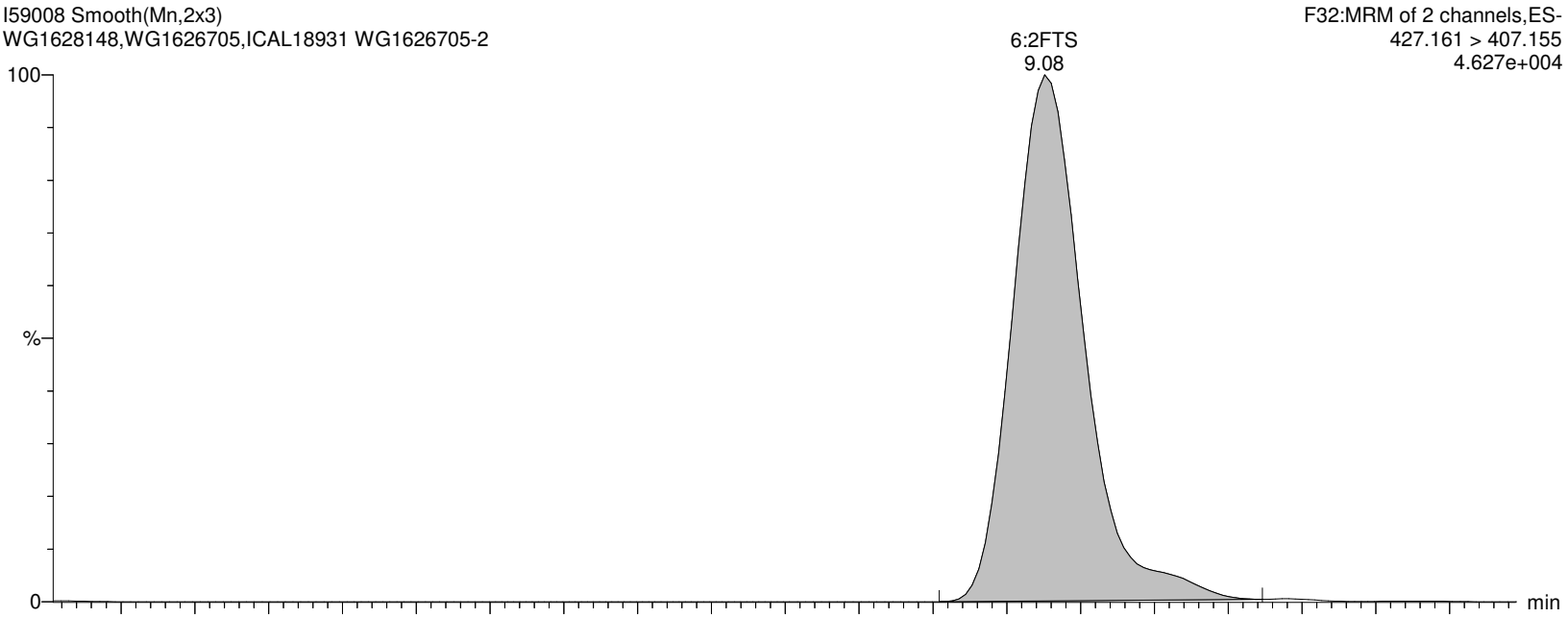


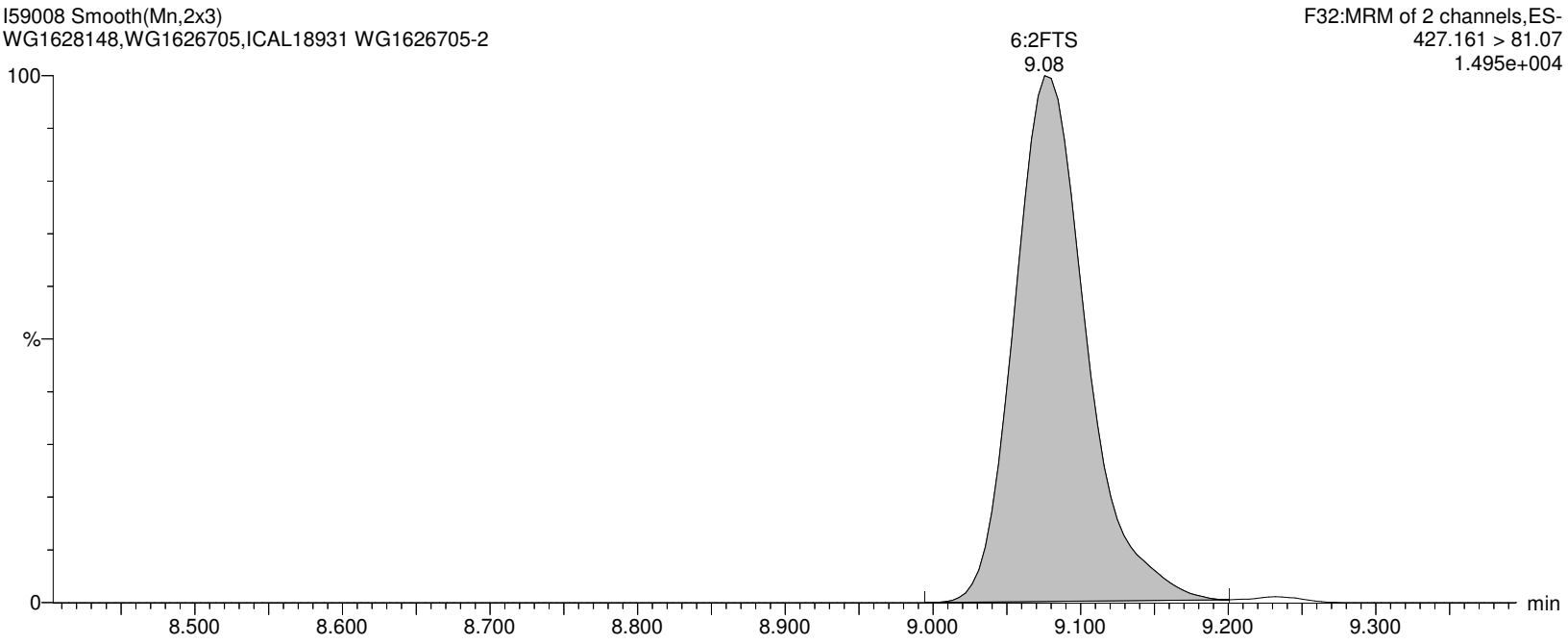
all concentration units in (ng/mL)

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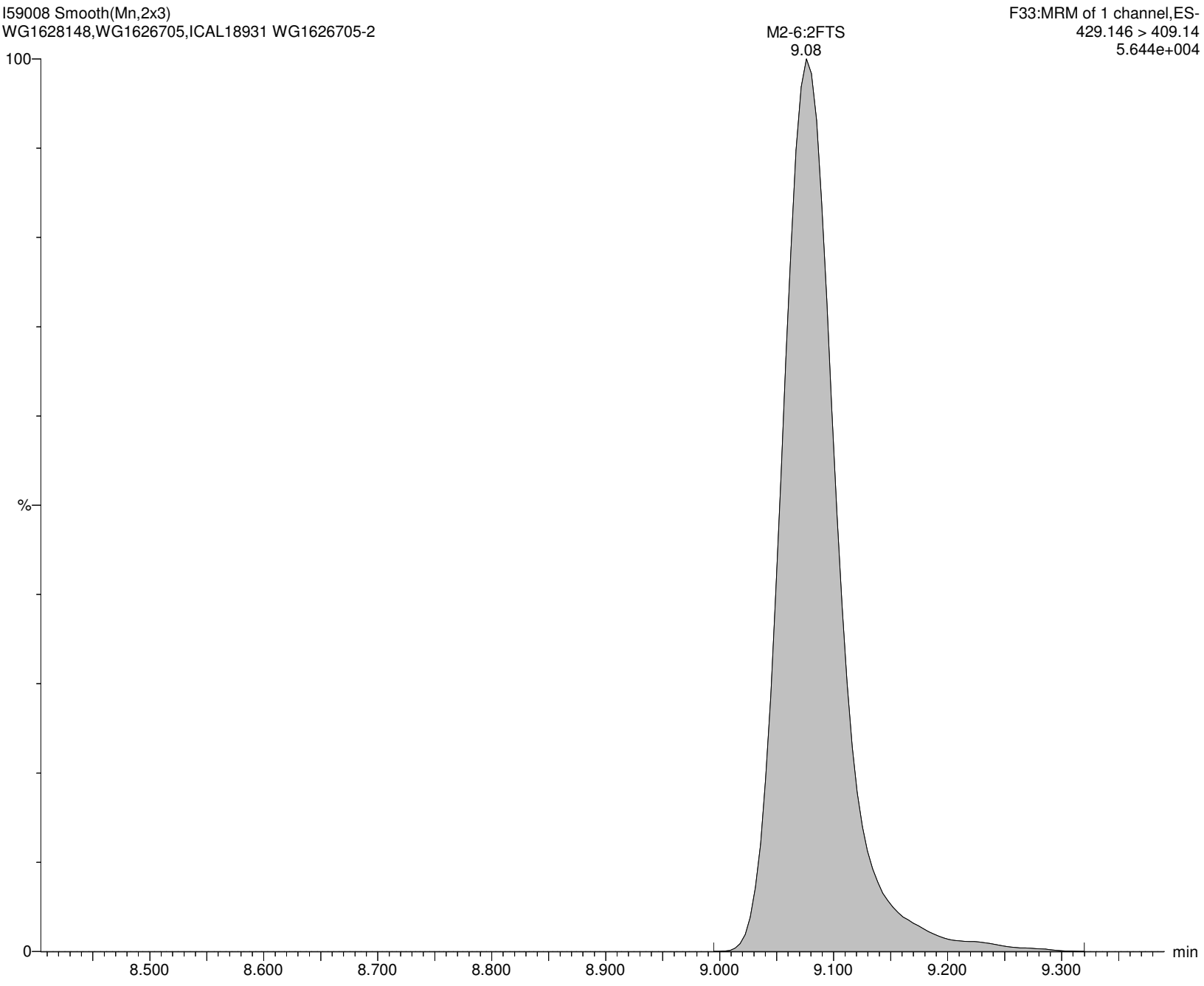


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M2-6:2FTS

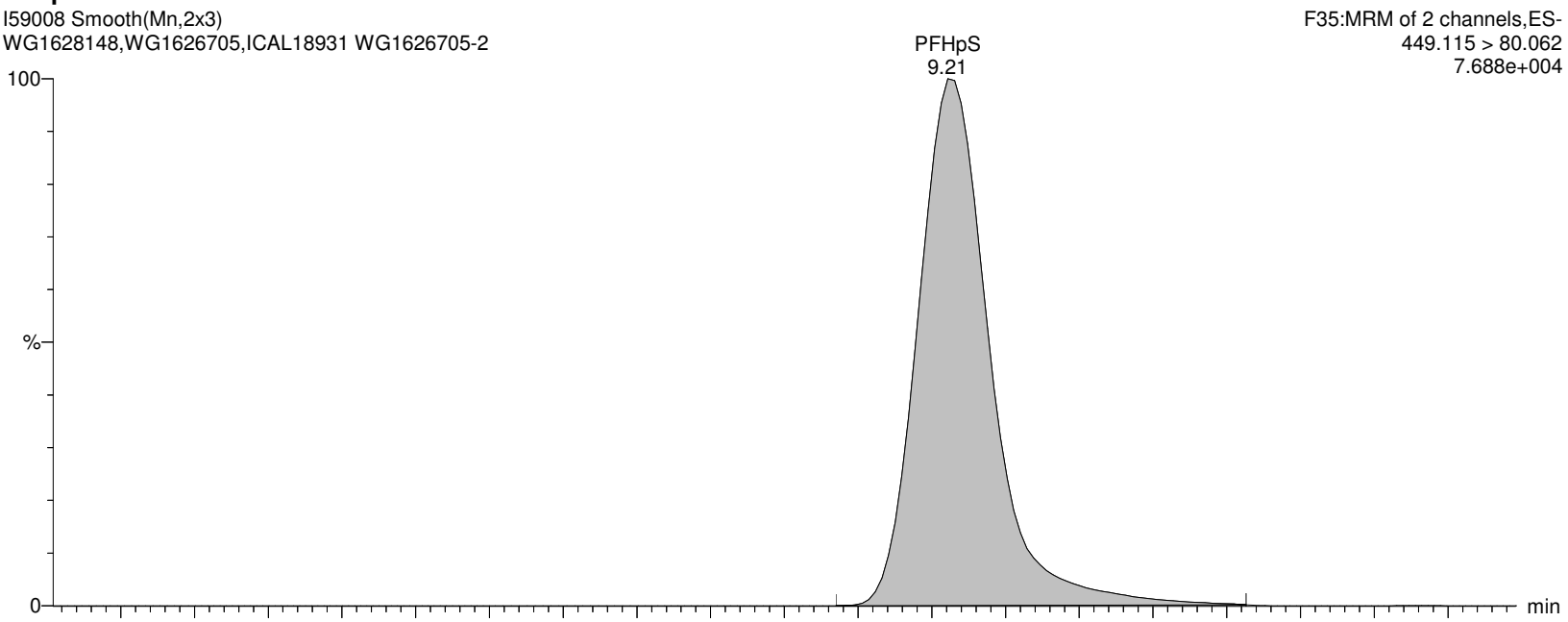


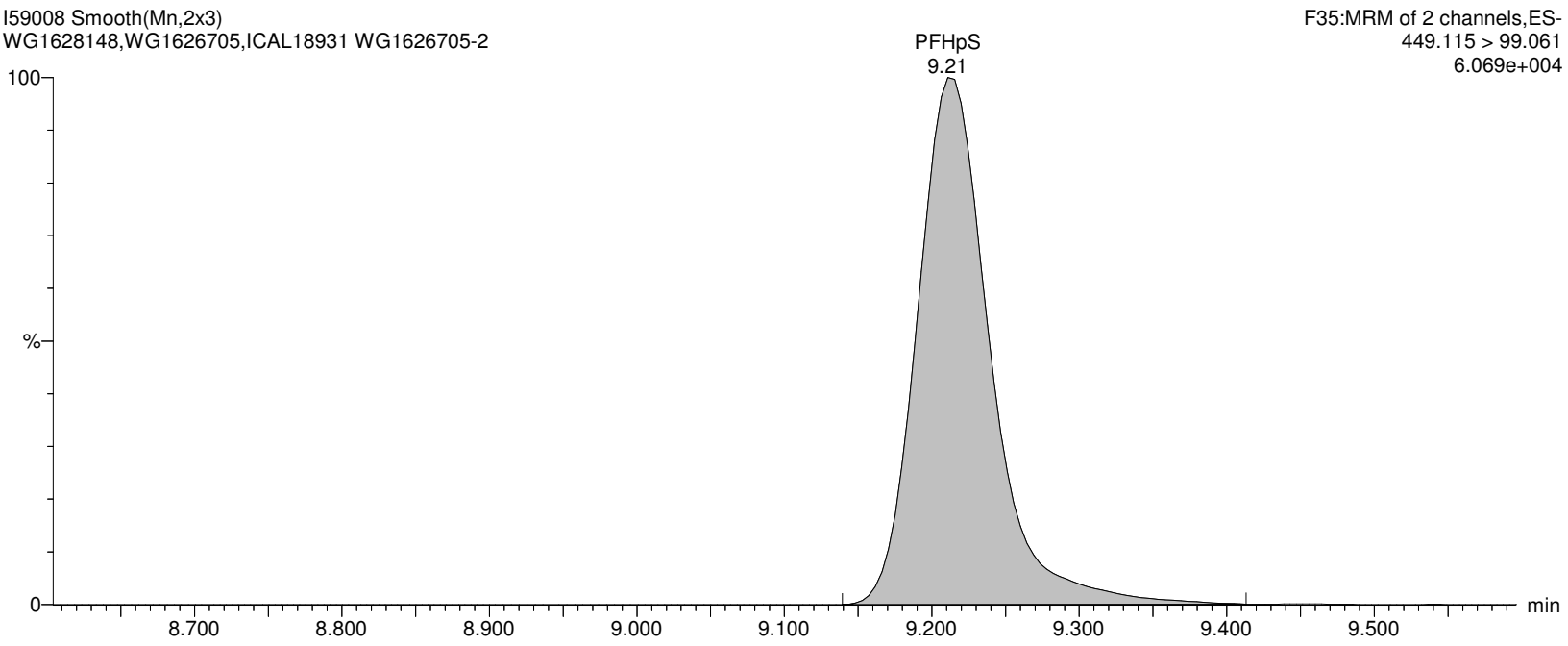
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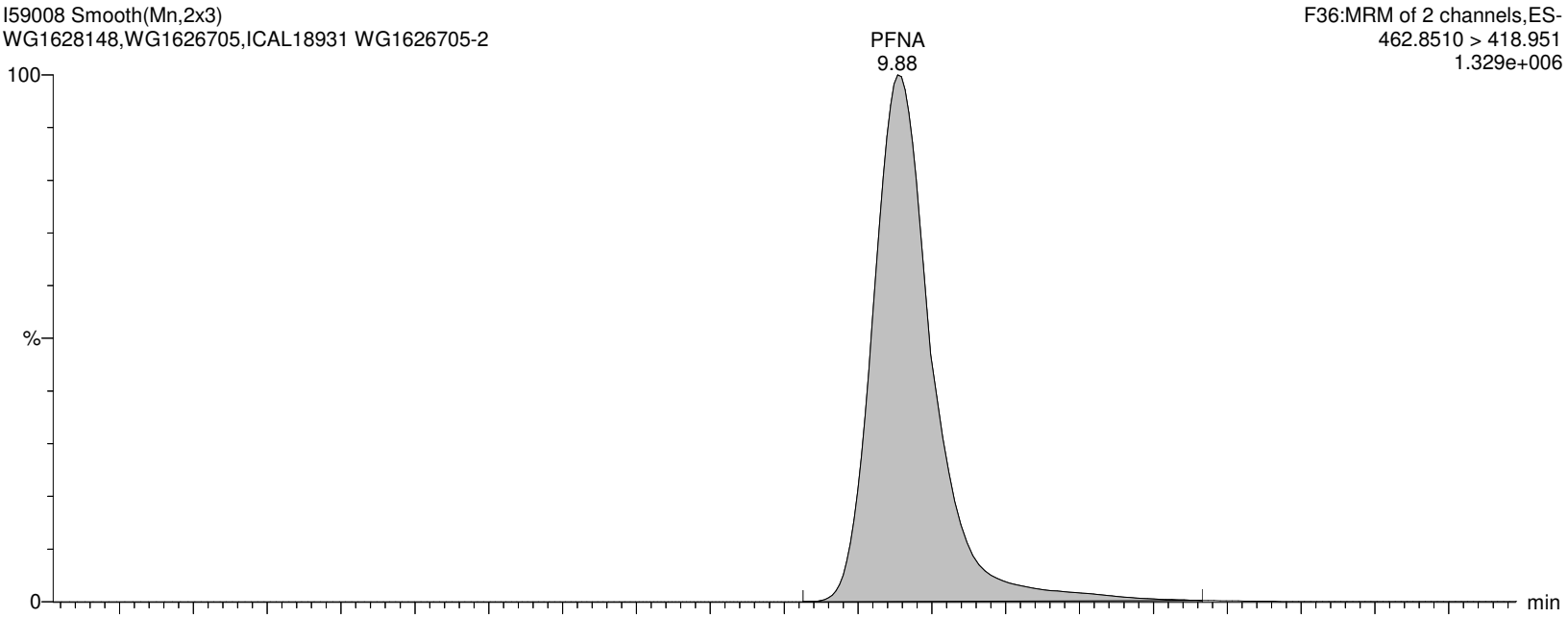


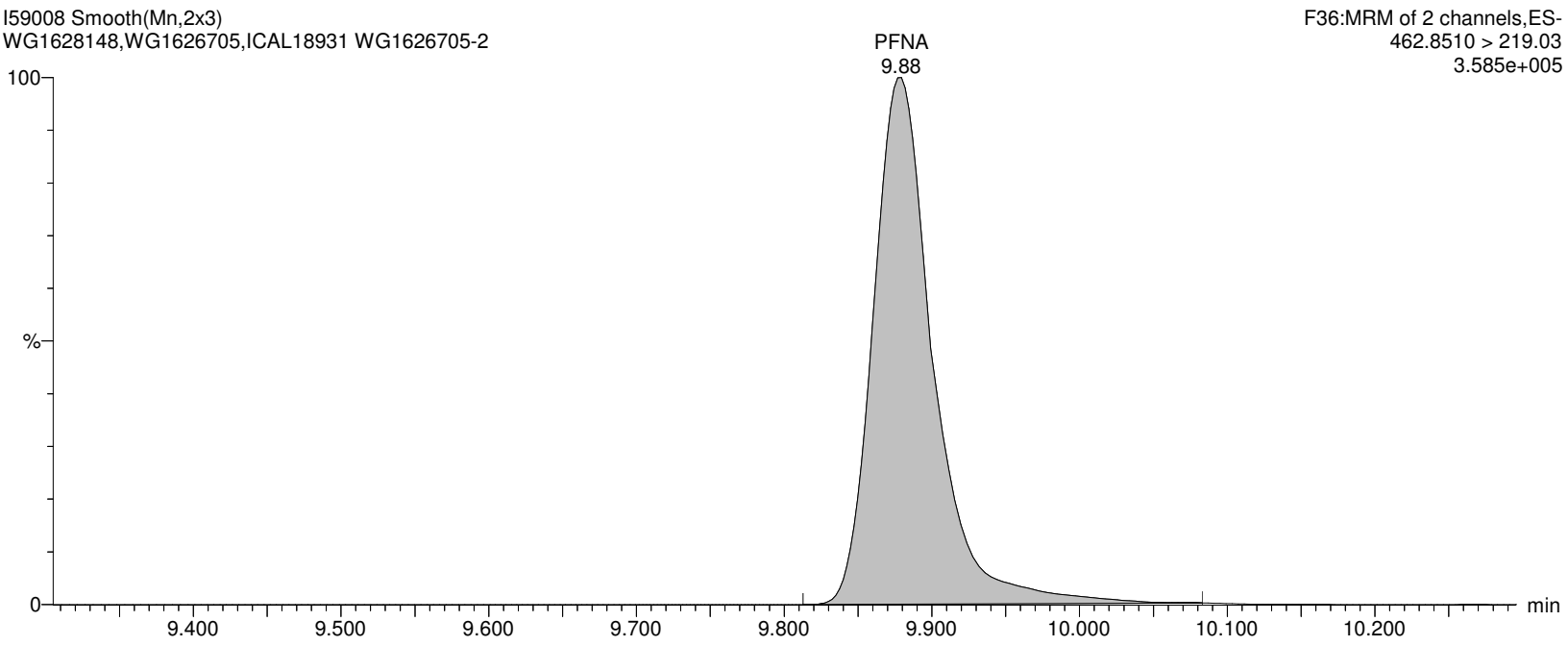
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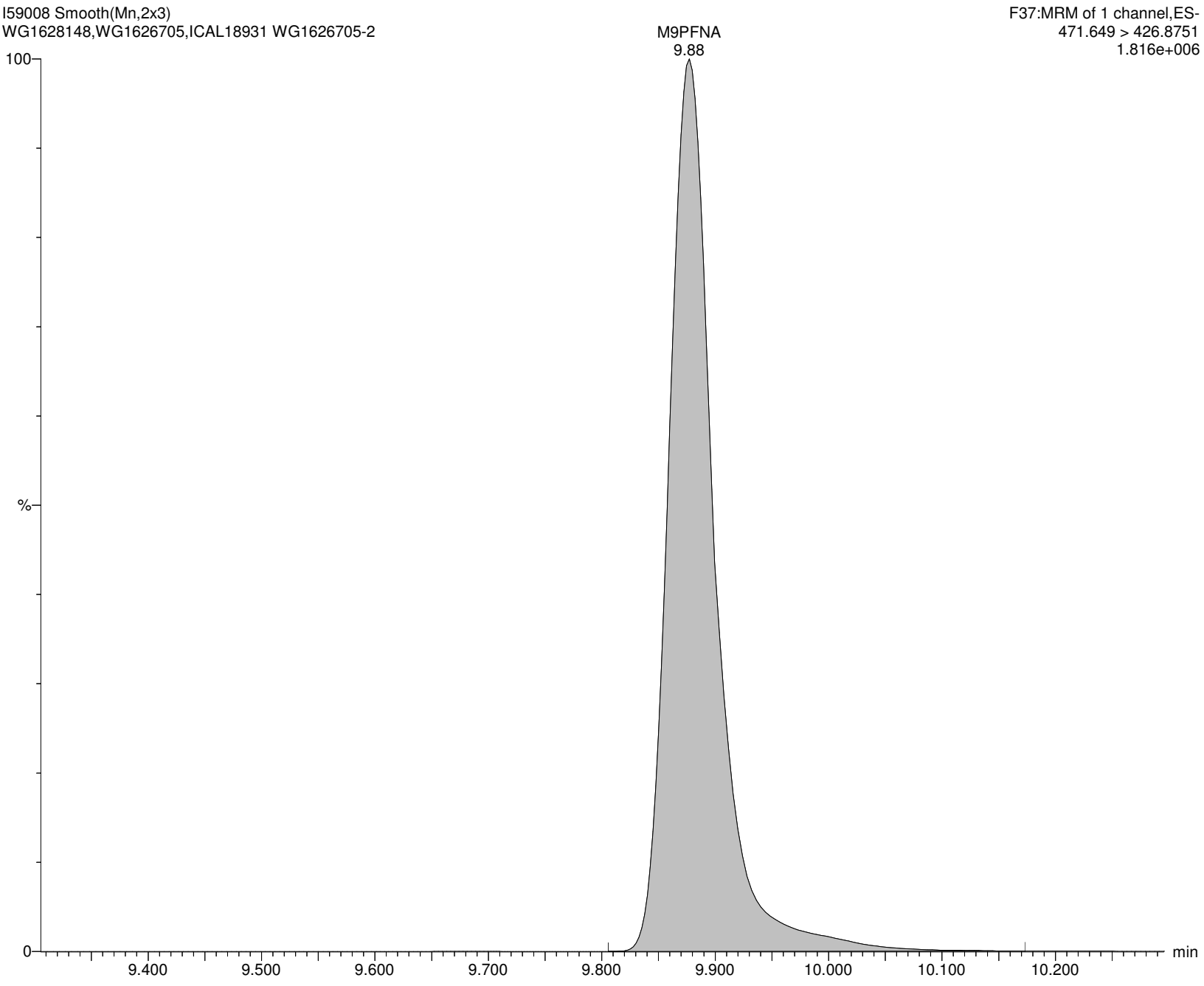


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M9PFNA

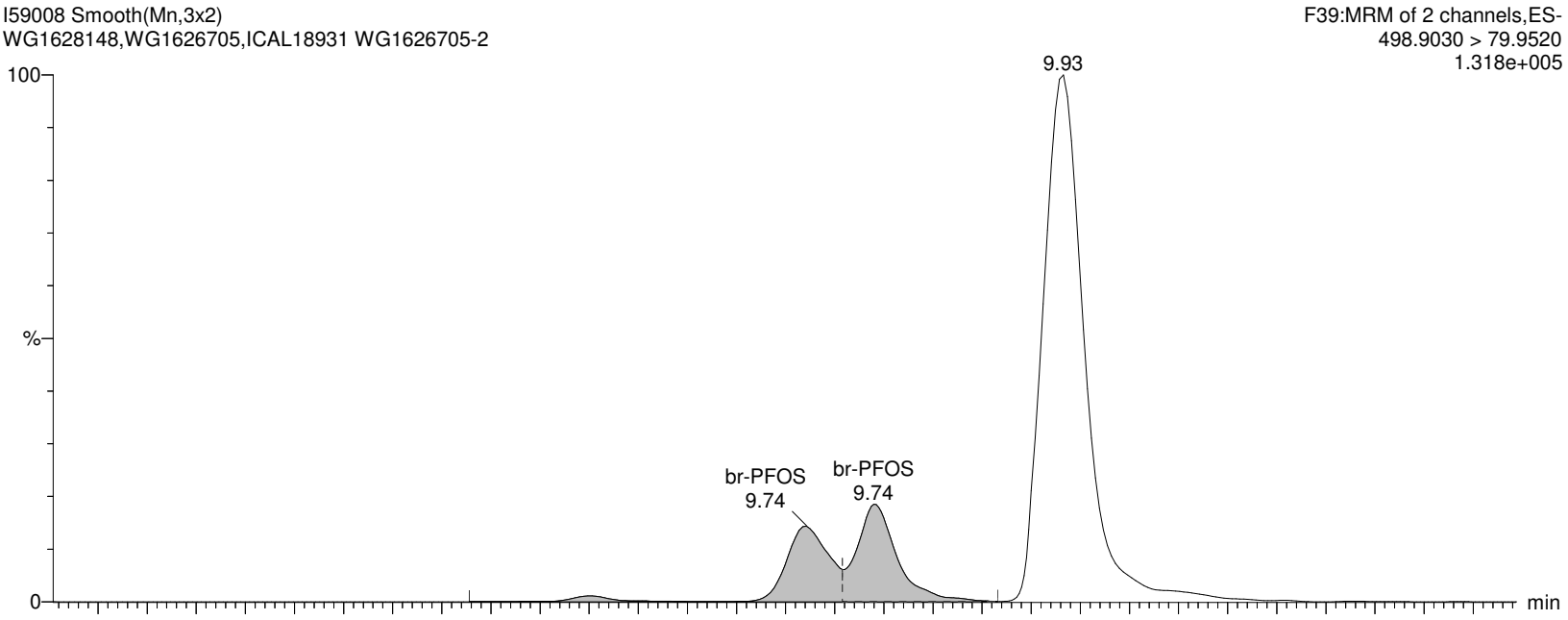


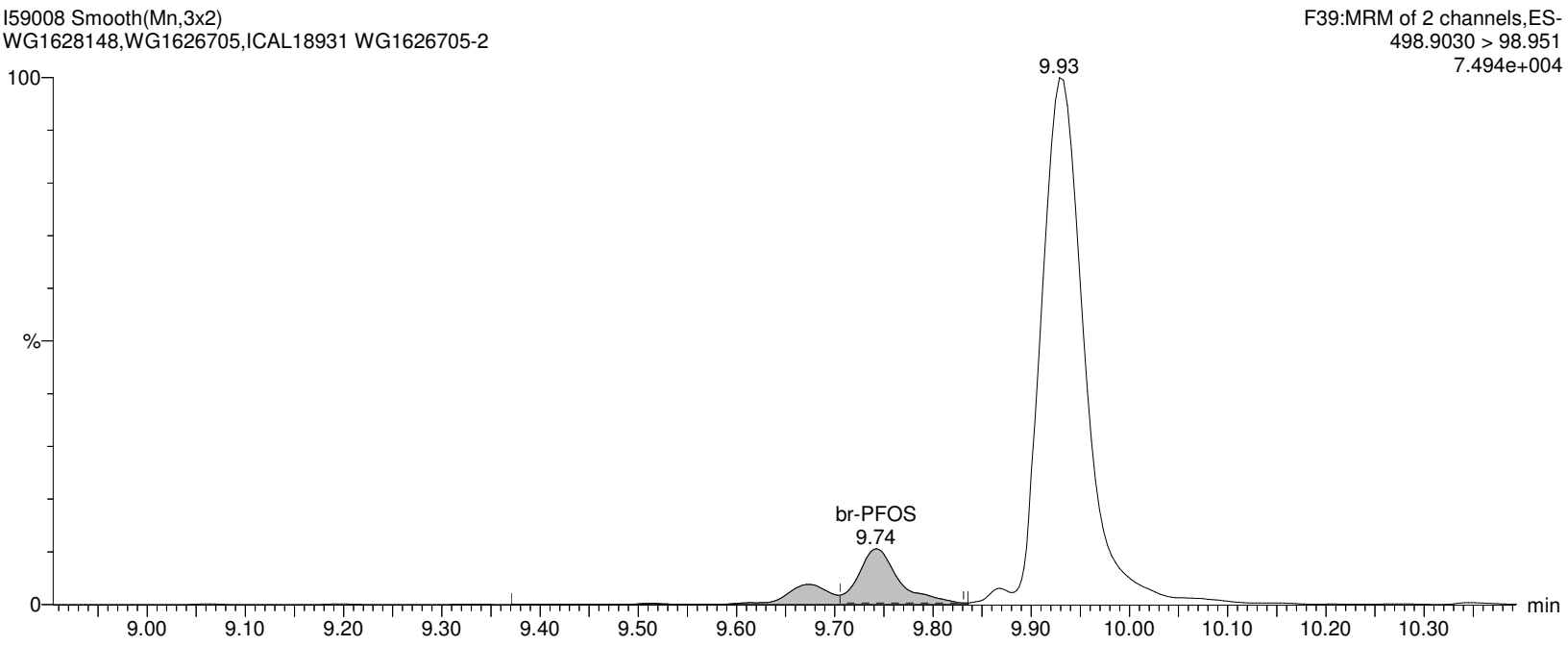
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:38 Eastern Daylight Time

Name: I59008
ID: WG1626705-2
Date: 17-Apr-2022
Time: 19:30:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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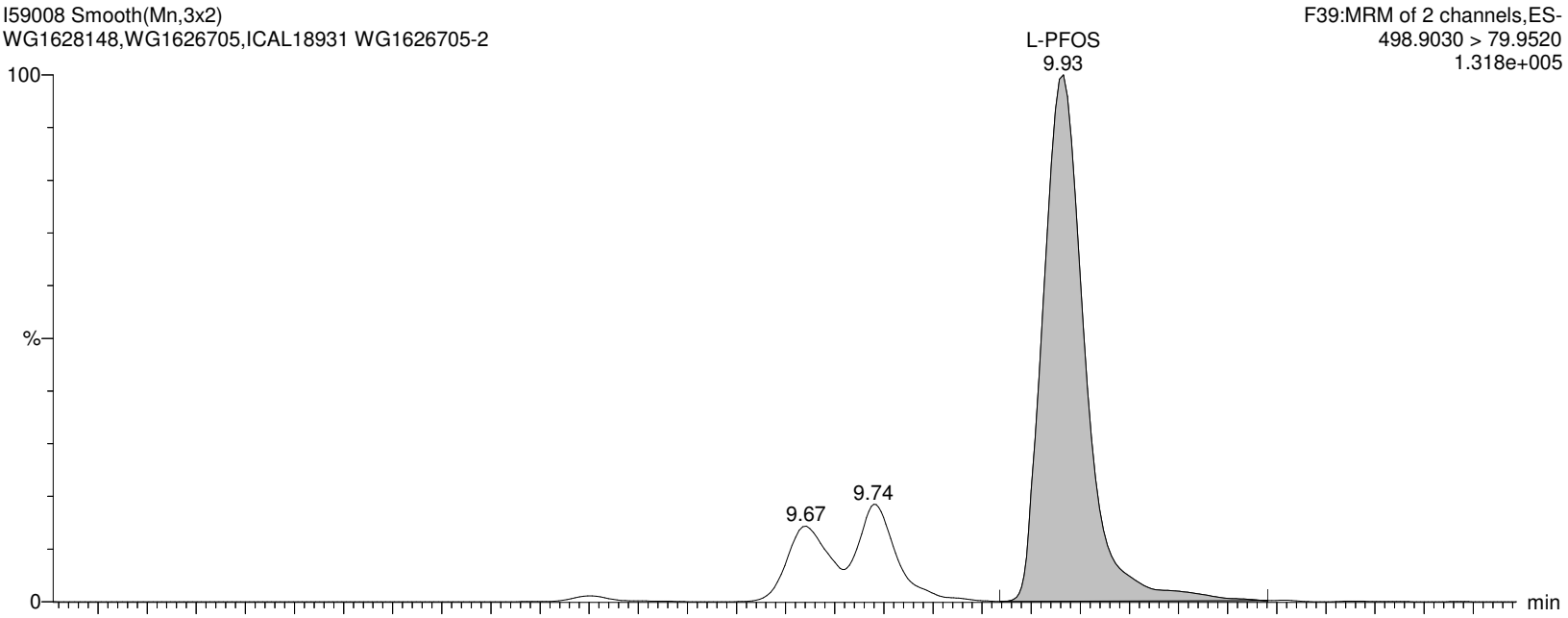


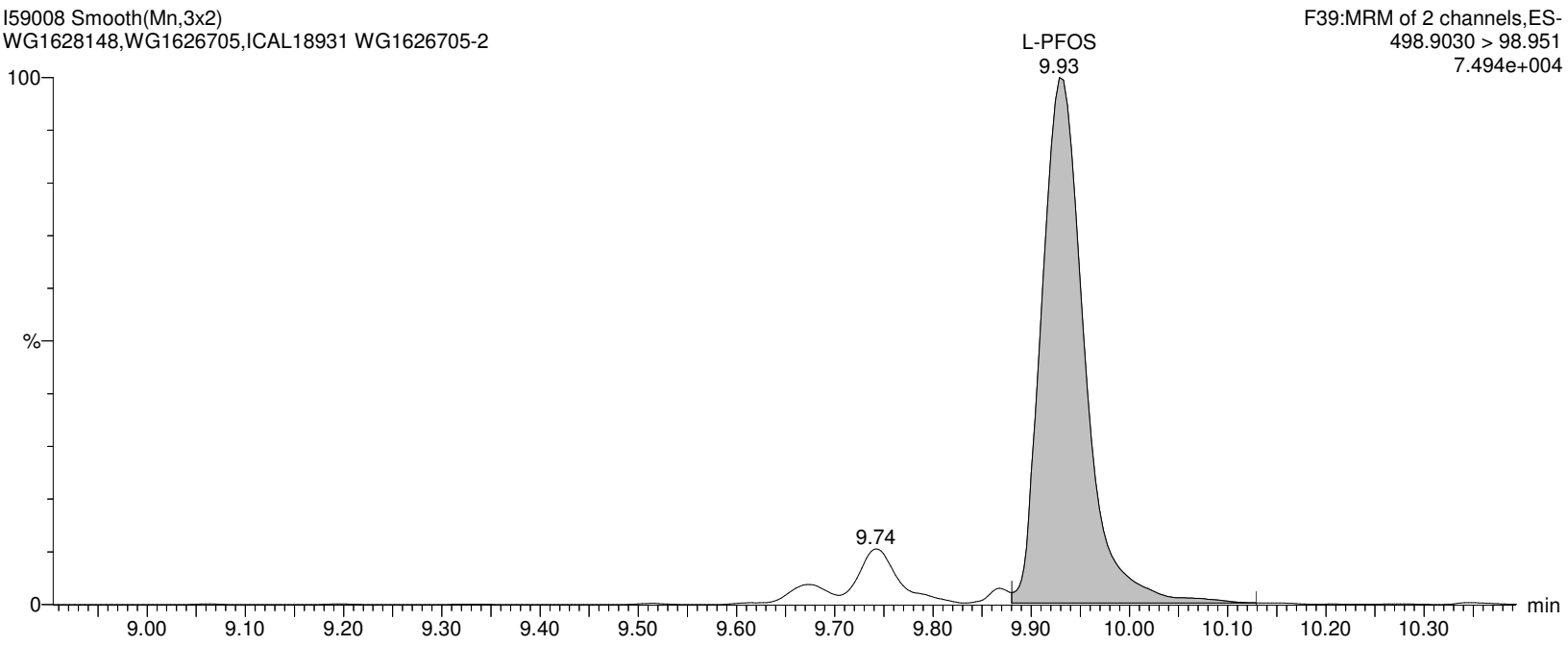
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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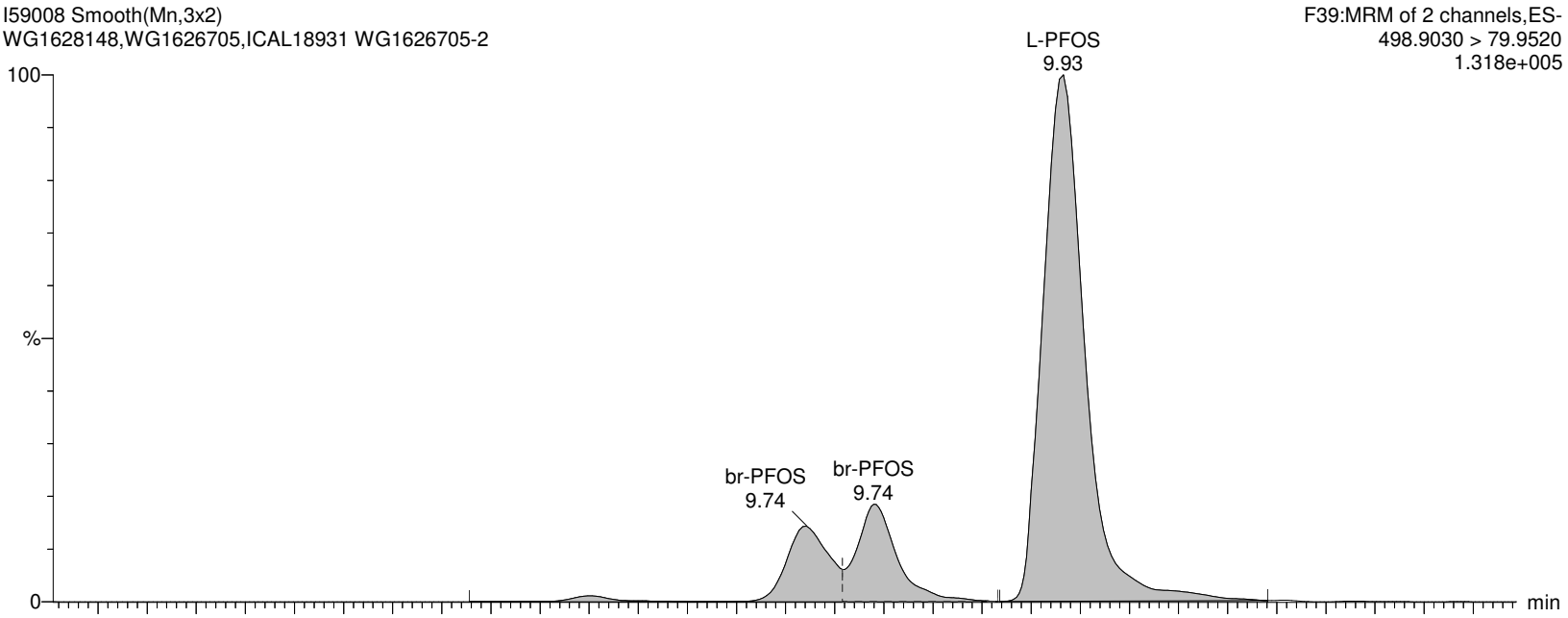


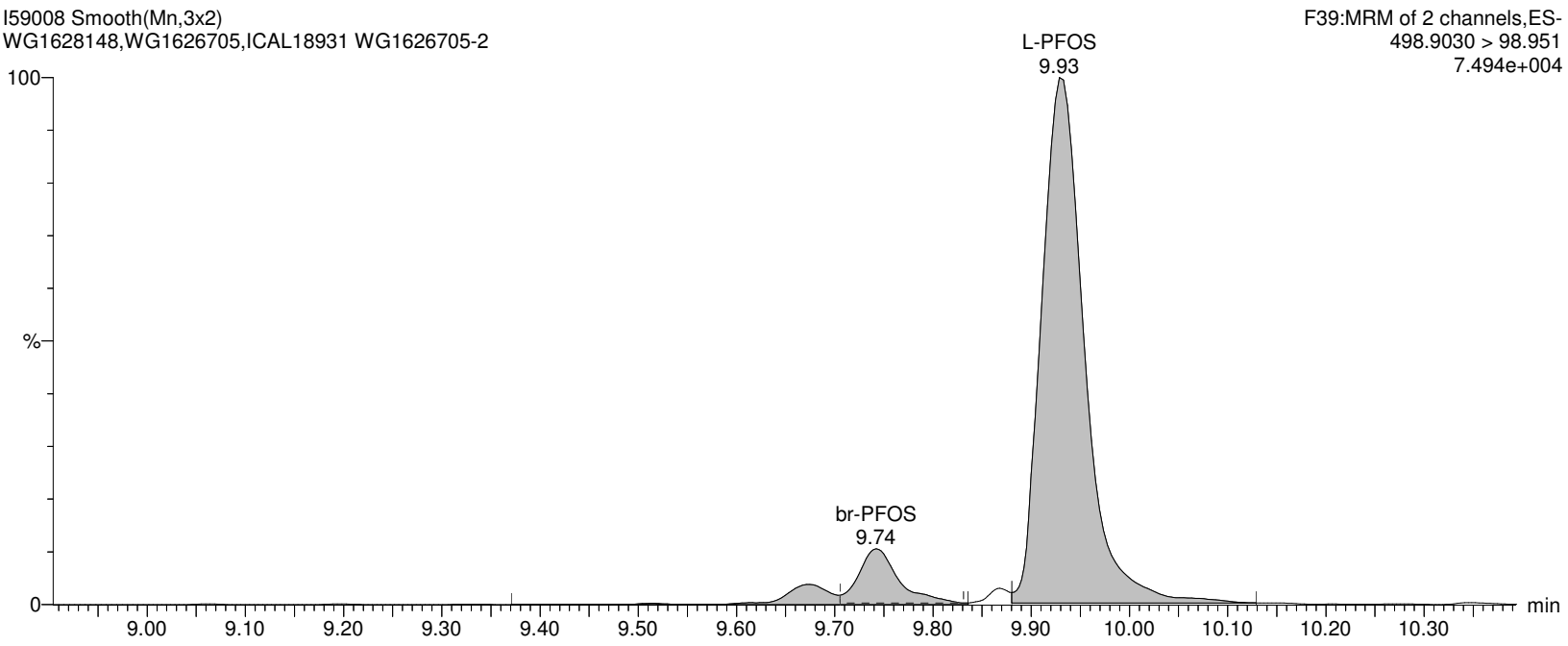
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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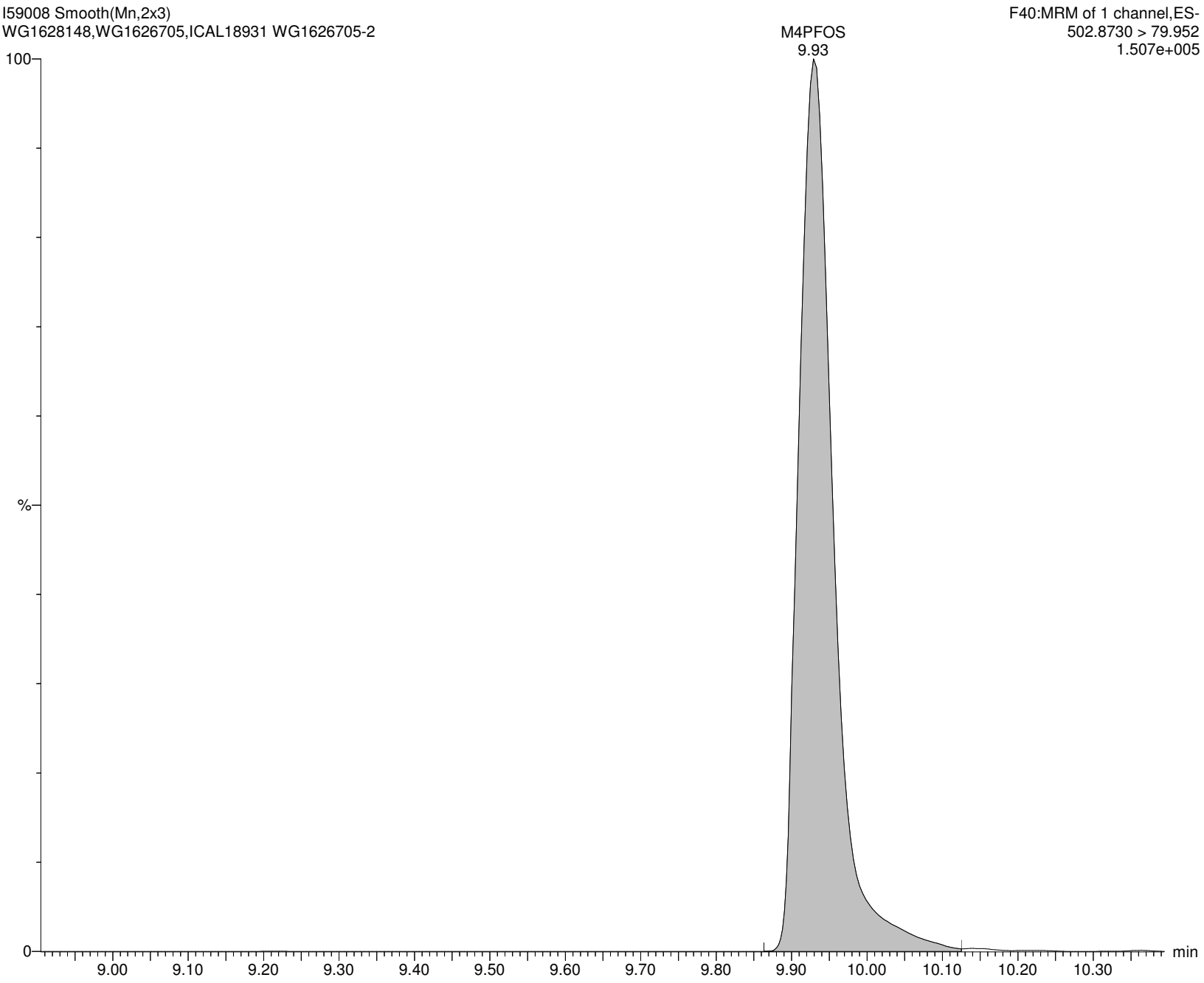


all concentration units in (ng/mL)

Alpha Analytical Inc.
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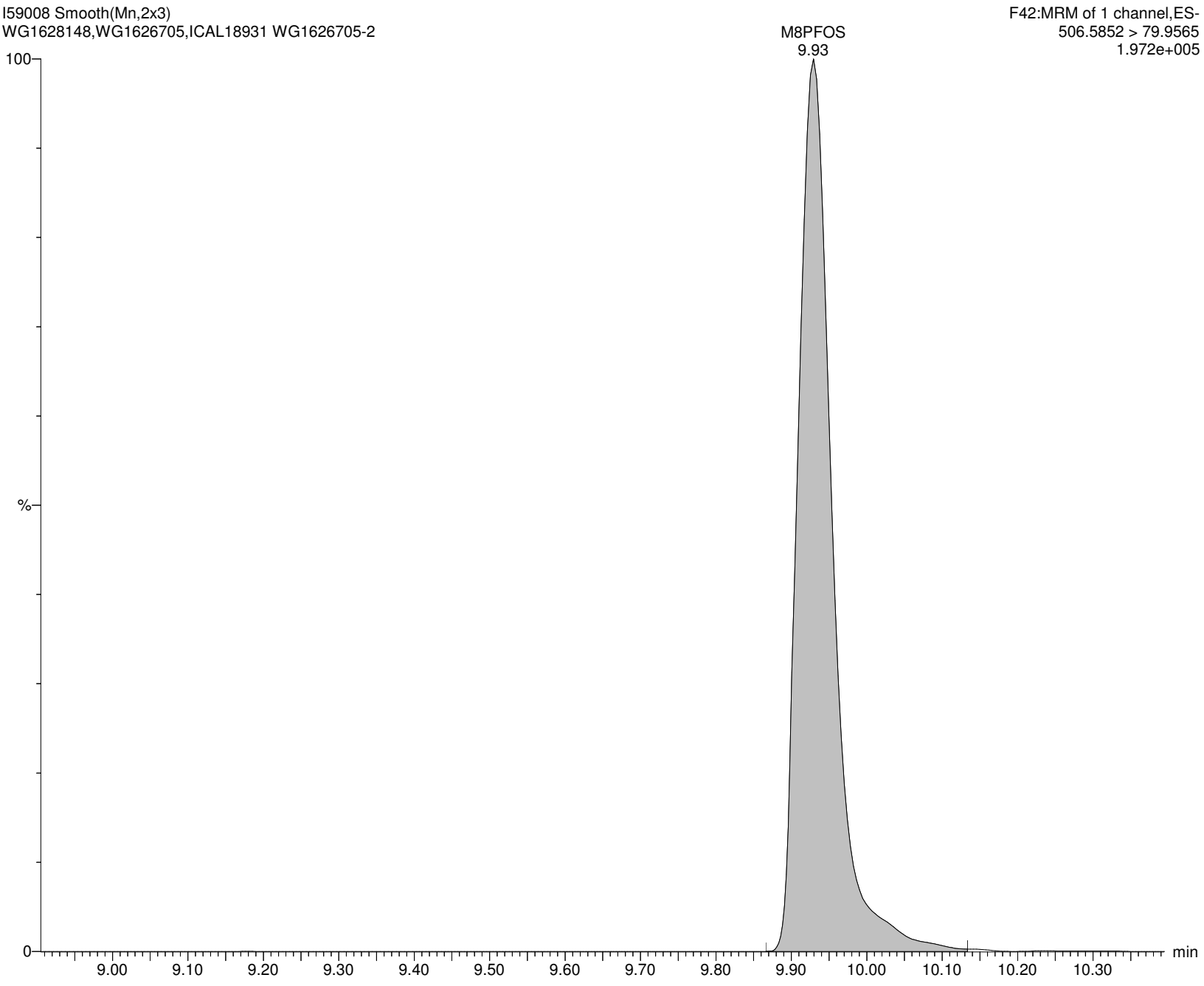


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Date: 17-Apr-2022
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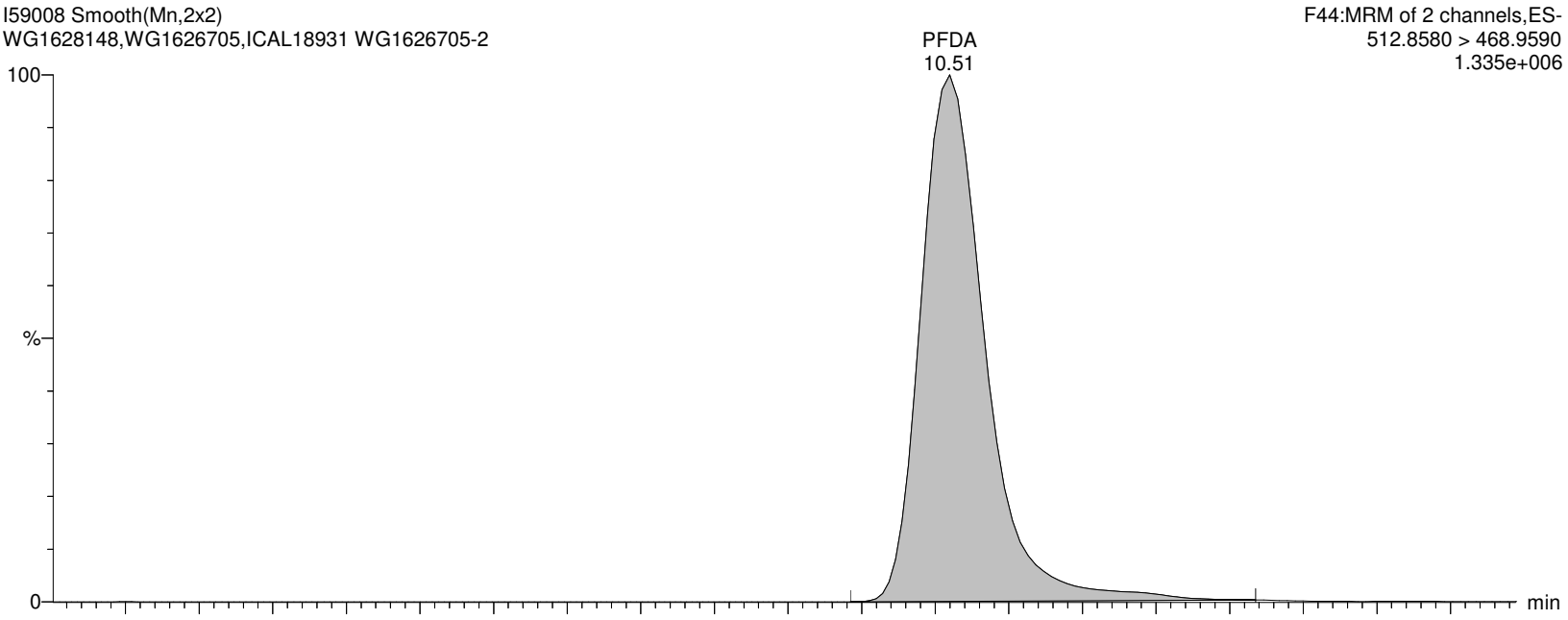


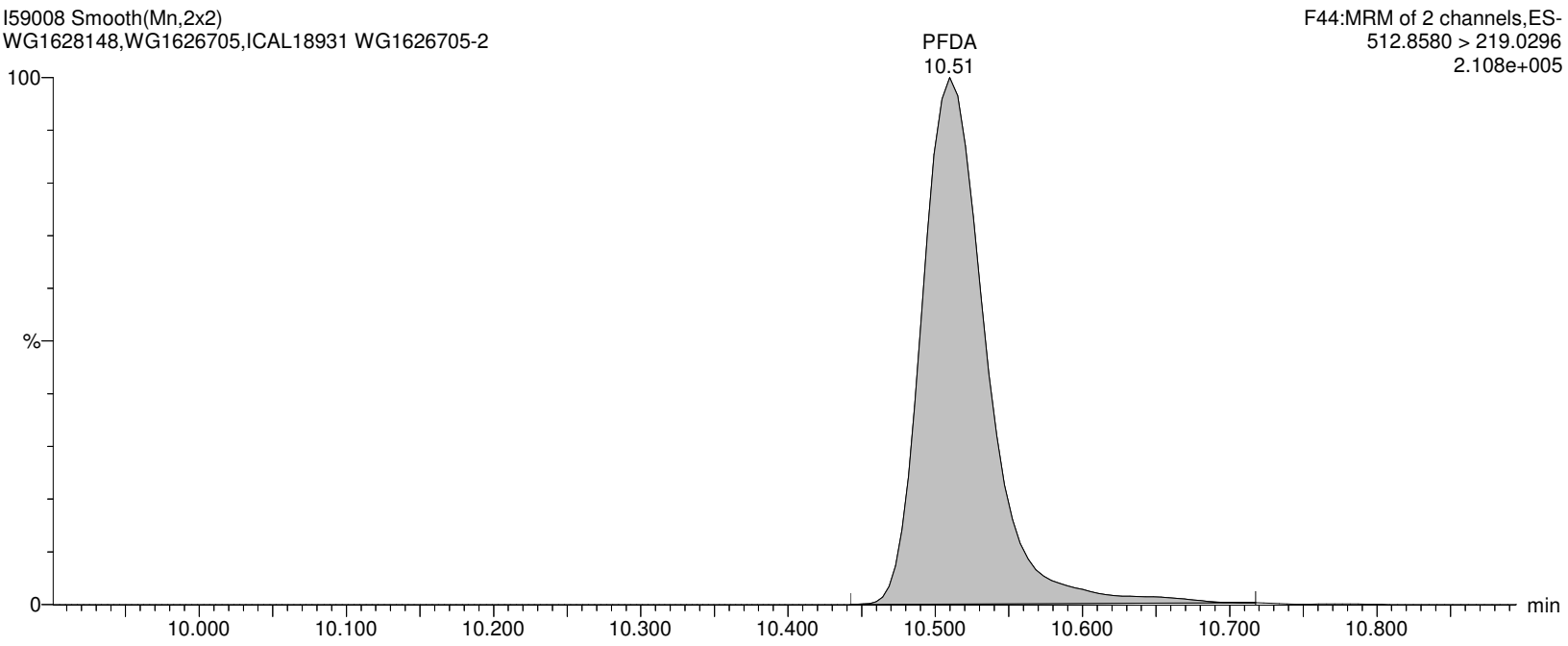
all concentration units in (ng/mL)

Alpha Analytical Inc.
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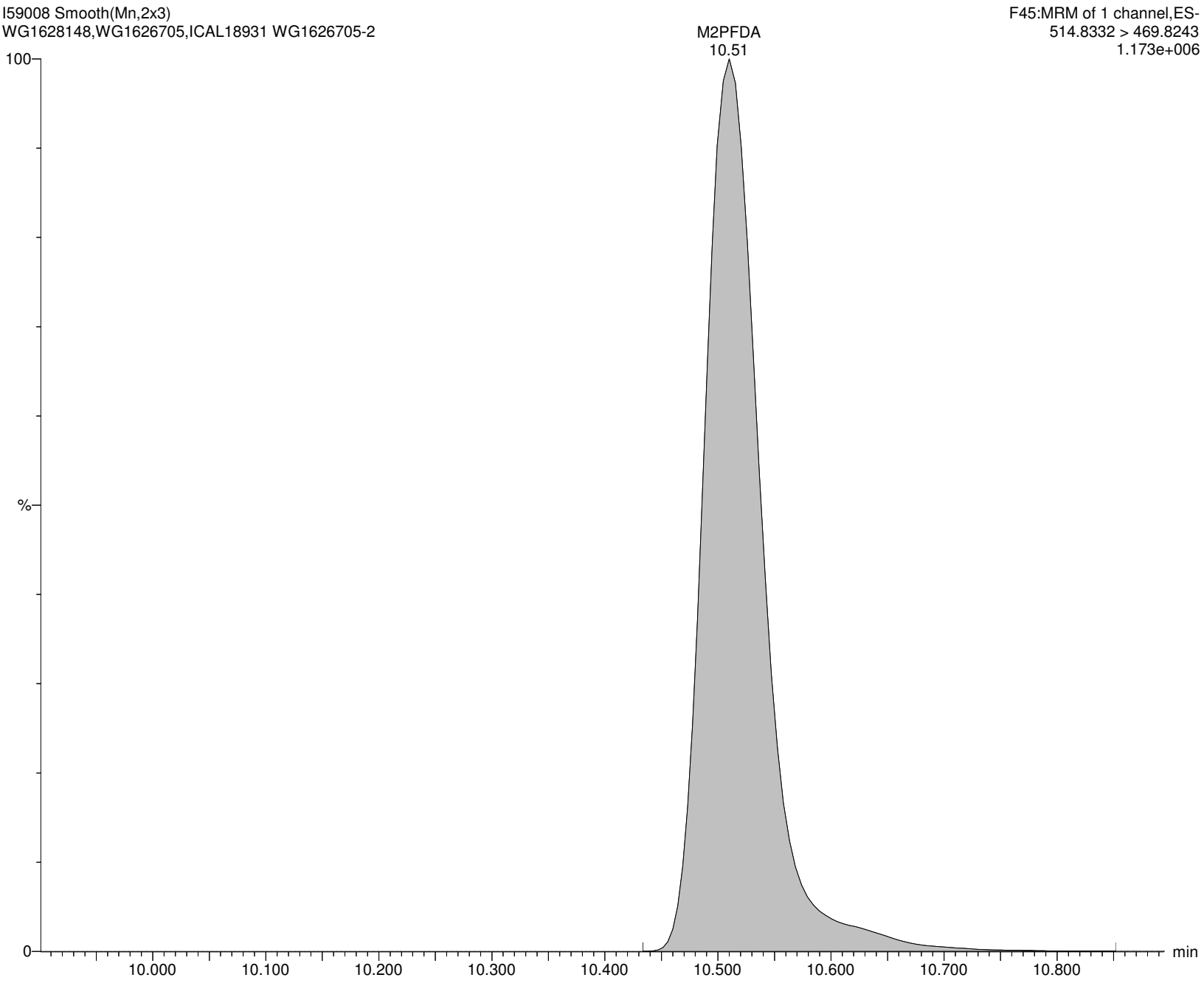


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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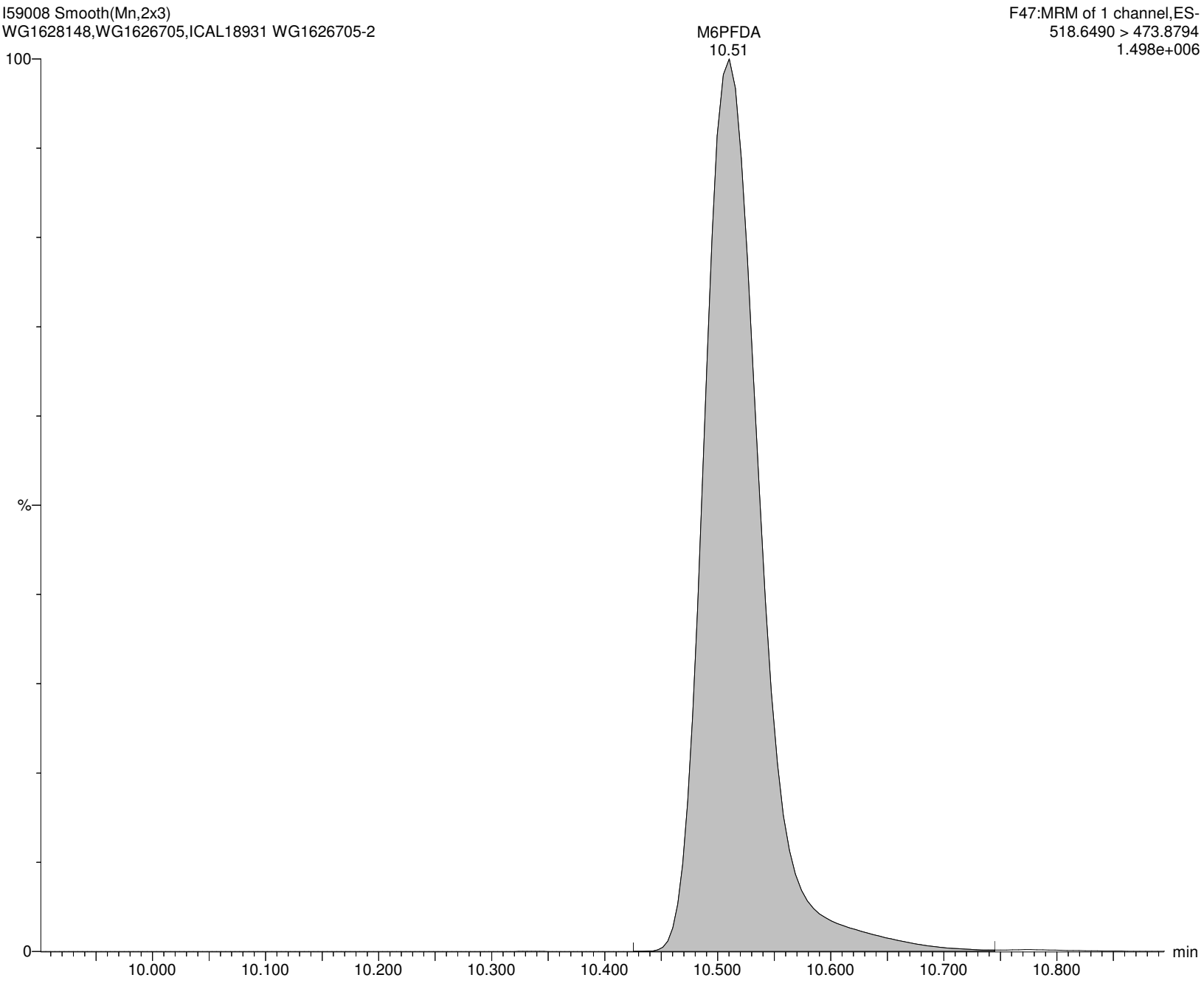


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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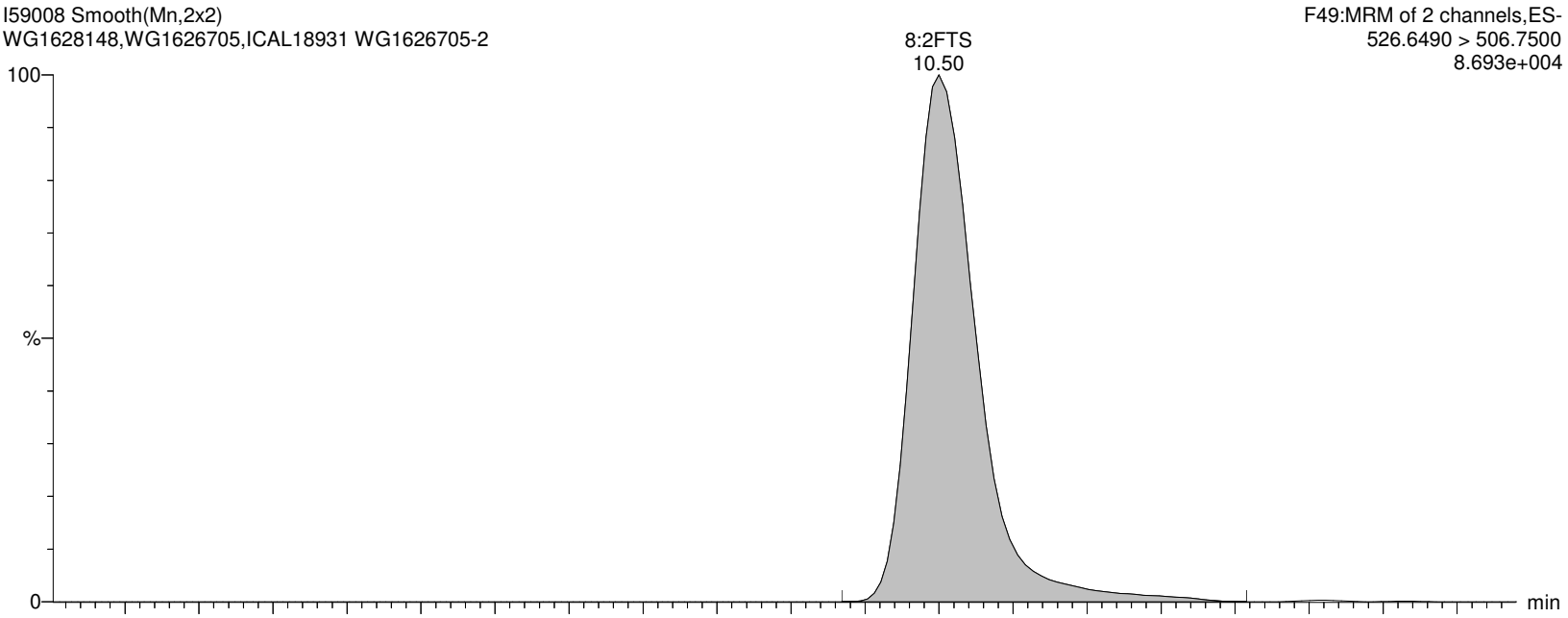


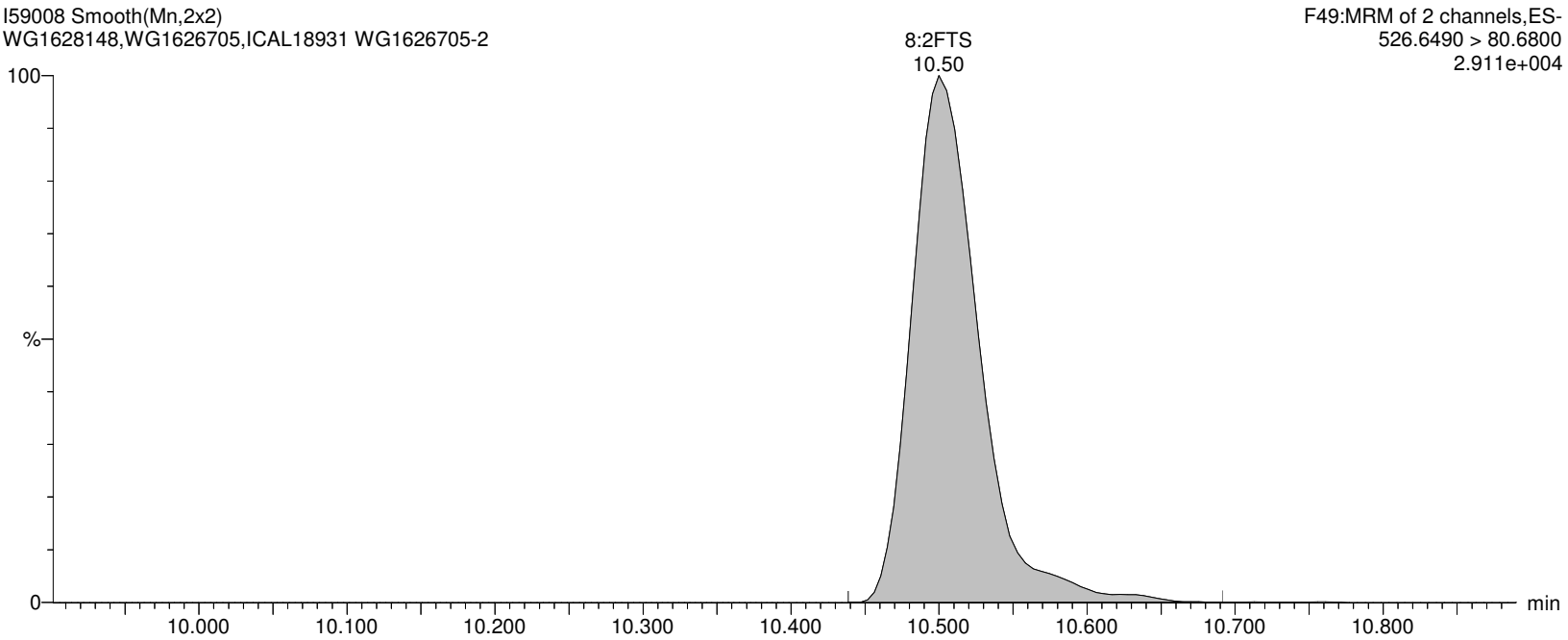
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Name: I59008
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Date: 17-Apr-2022
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8:2FTS



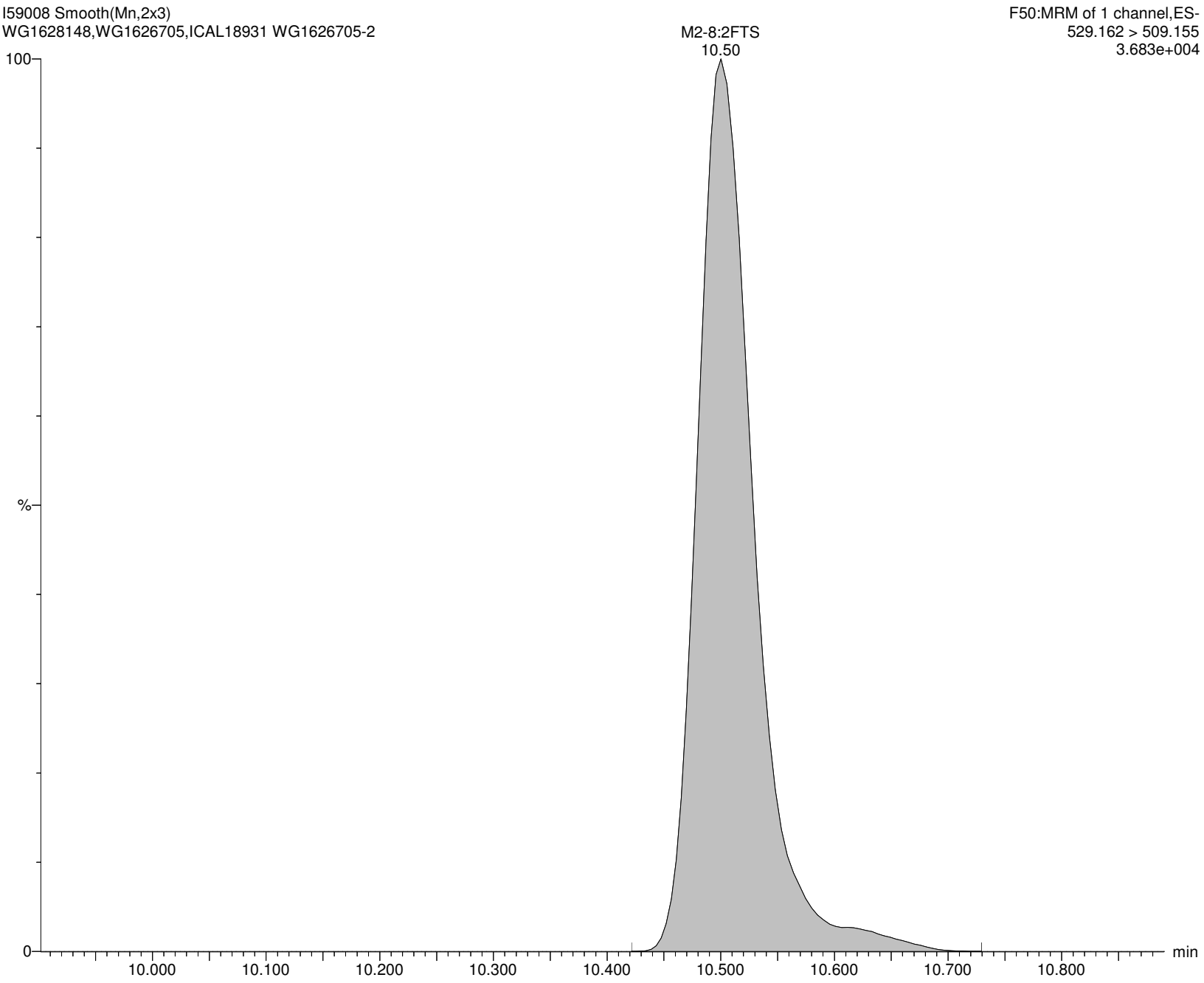


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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Name: I59008
ID: WG1626705-2
Date: 17-Apr-2022
Time: 19:30:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
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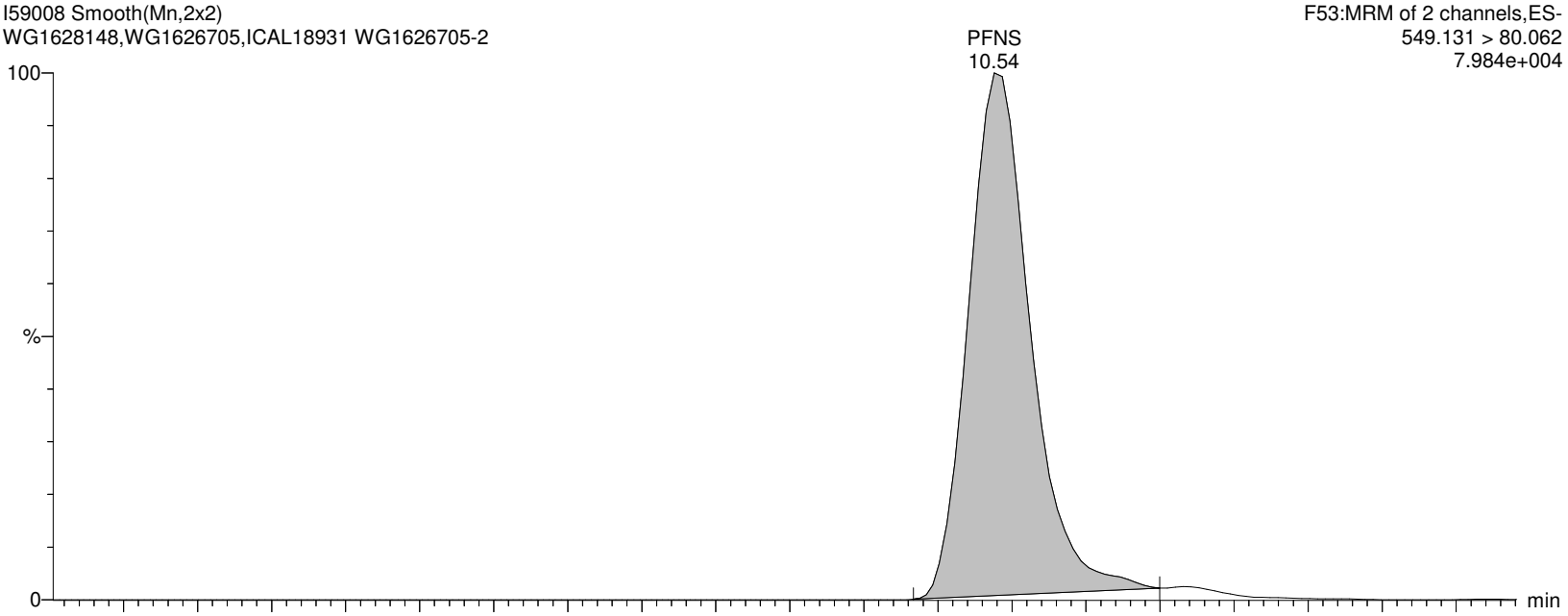


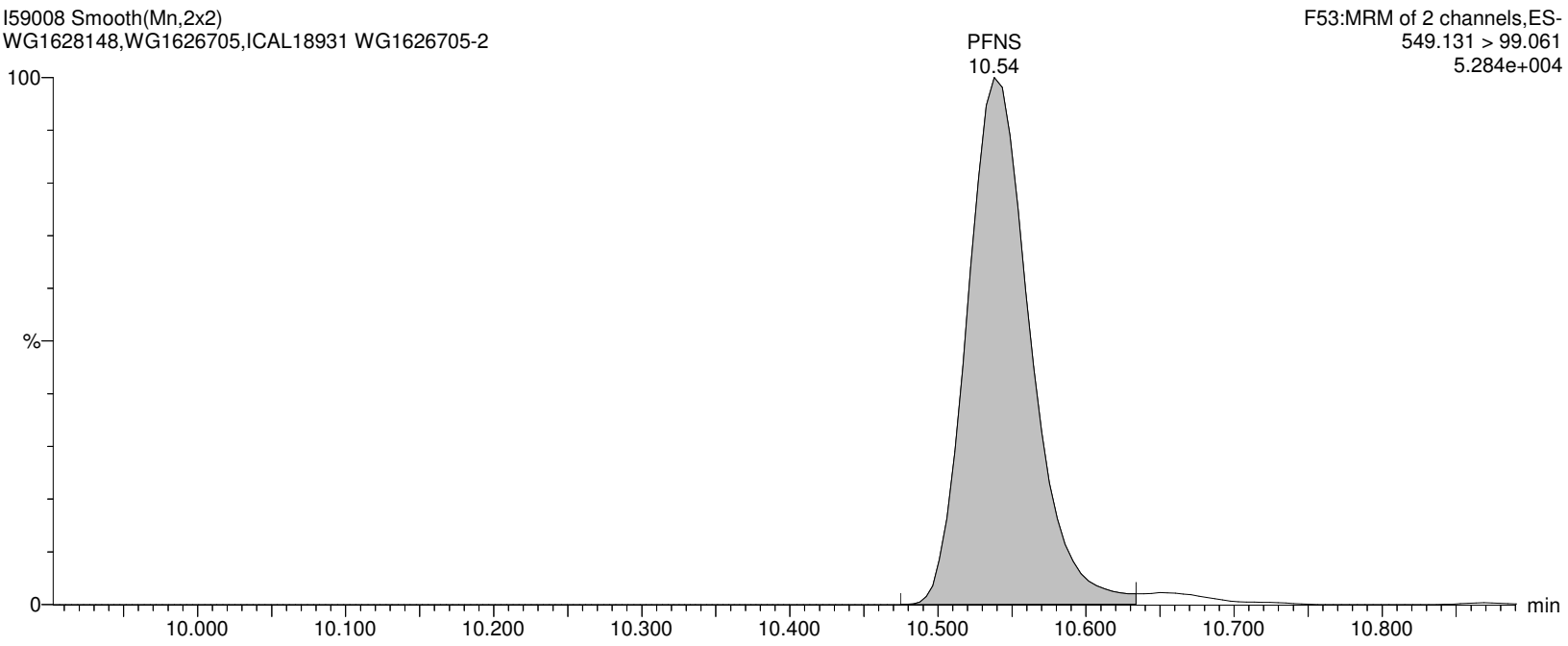
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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PFNS



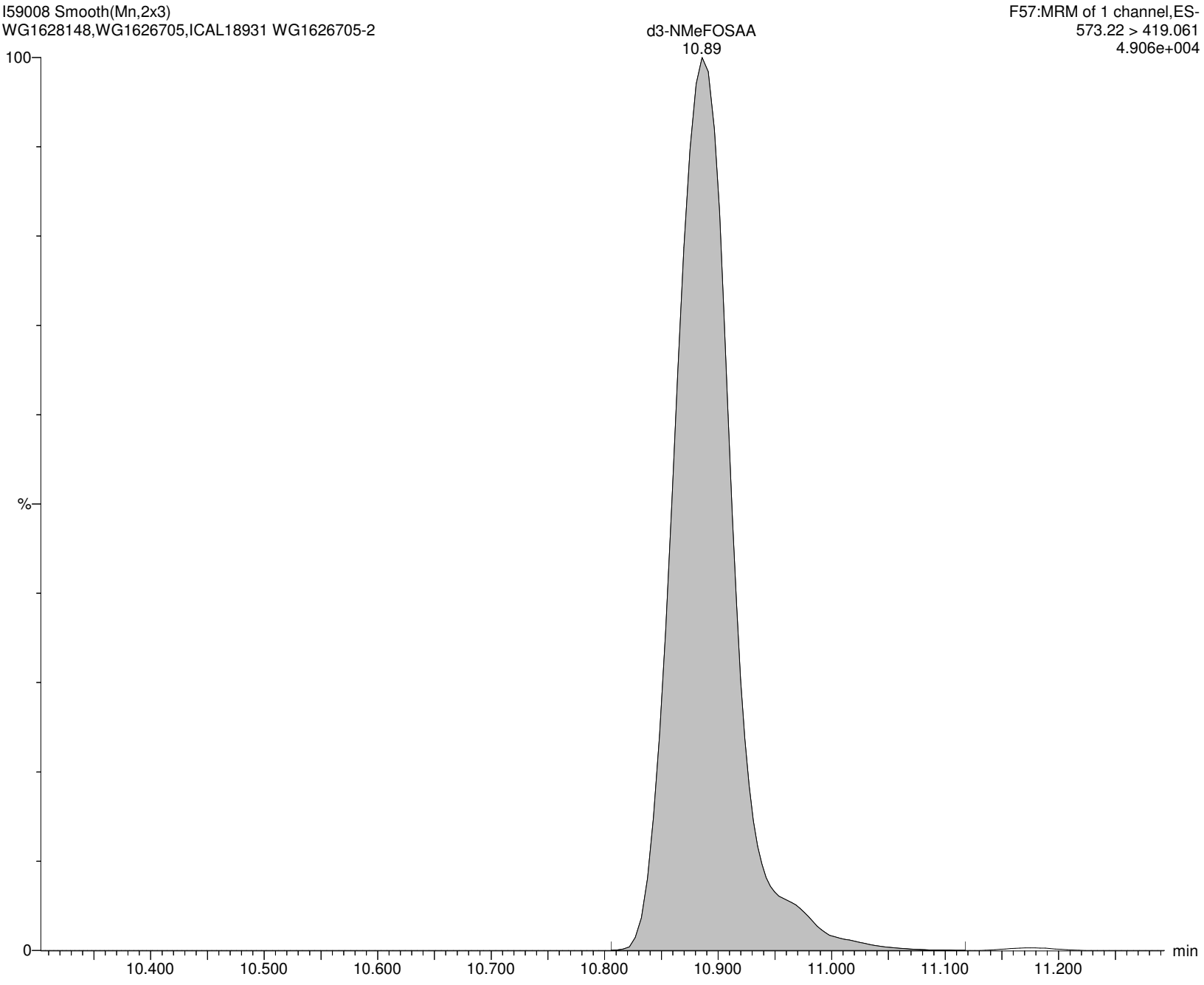


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d3-NMeFOSAA

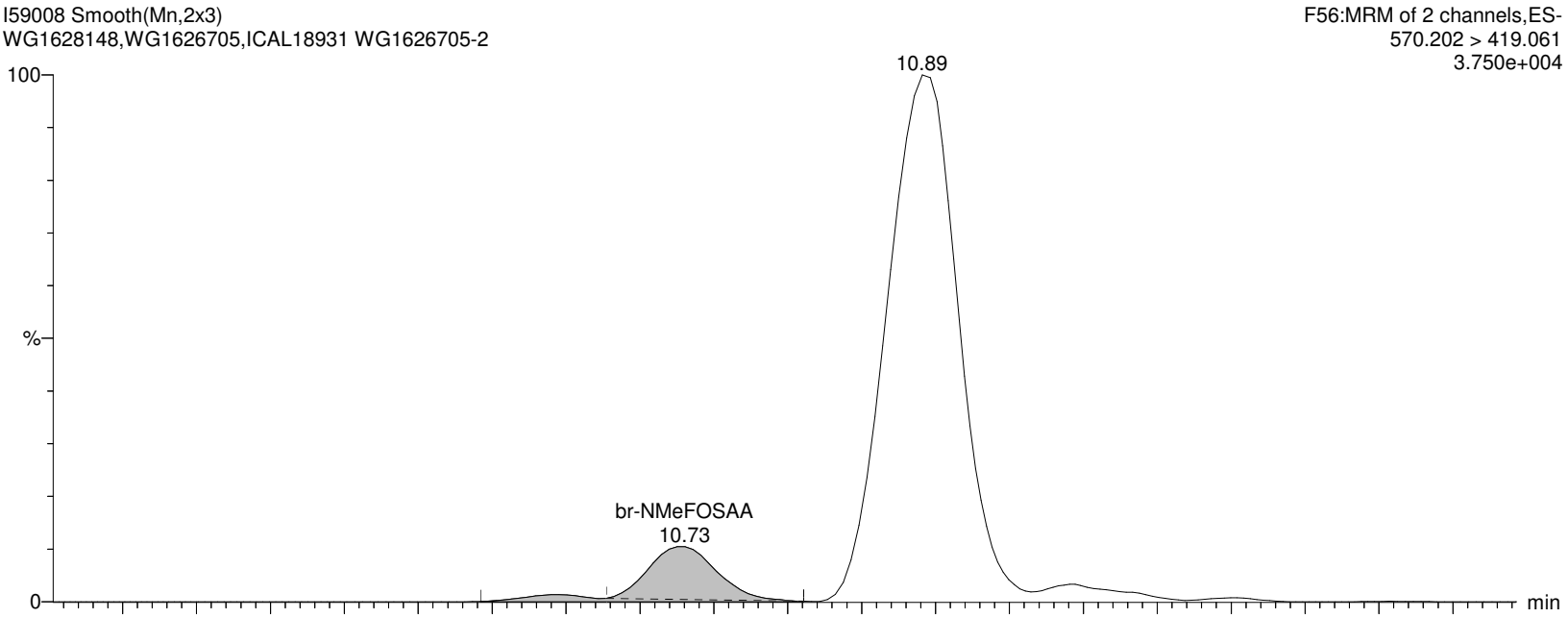


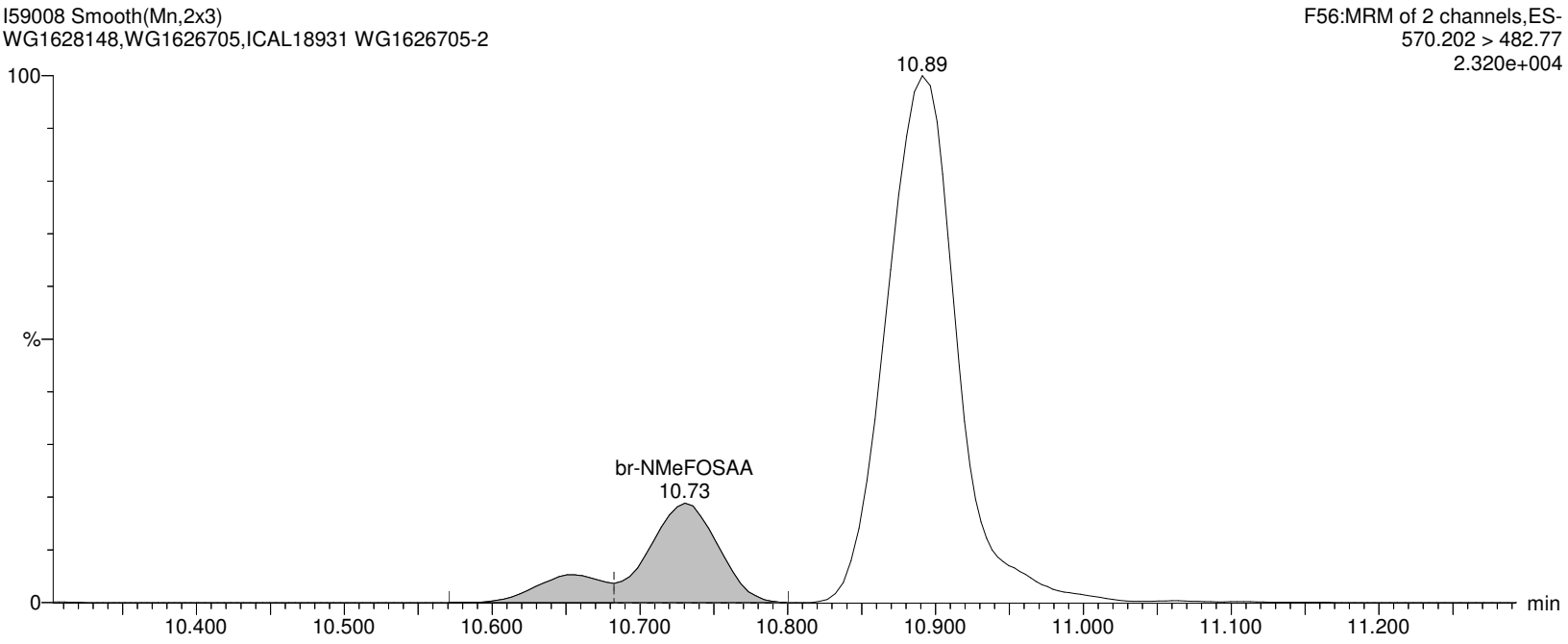
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
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br-NMeFOSAA



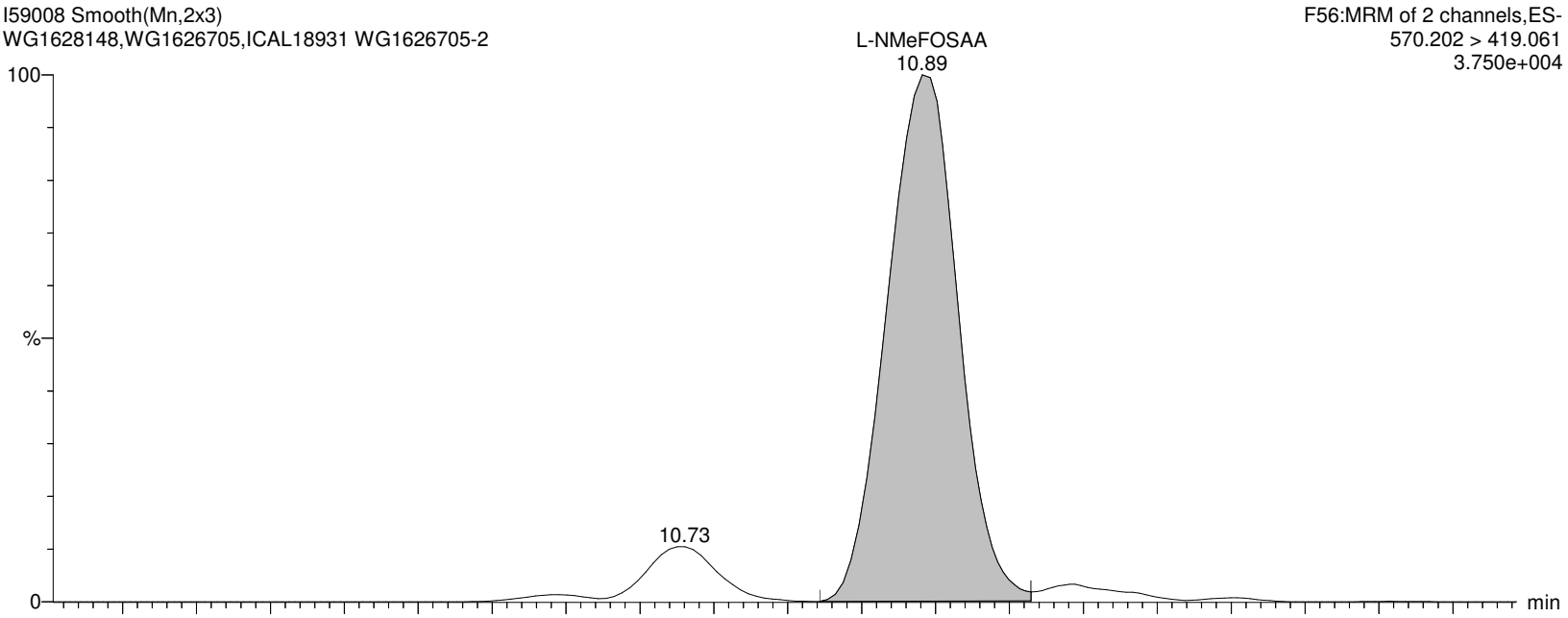


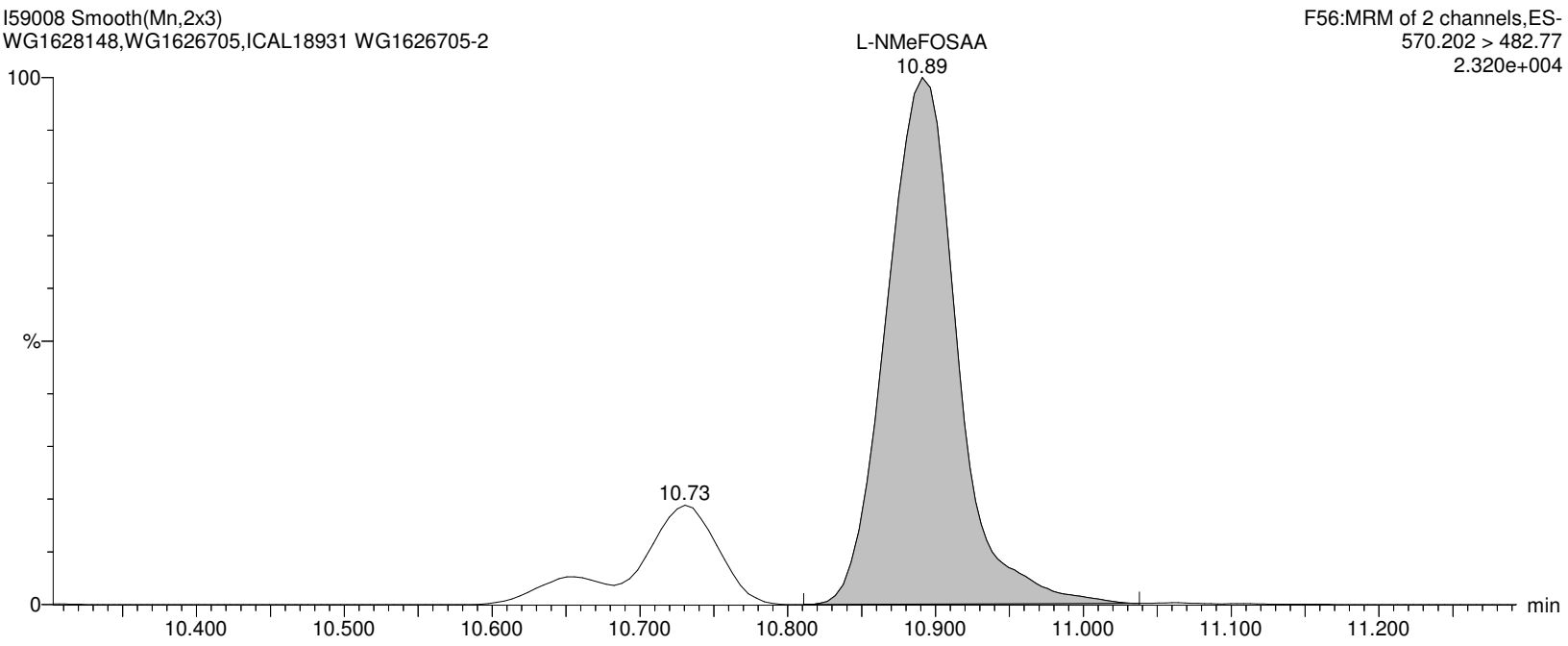
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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Vial: 1:B,2
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L-NMeFOSAA



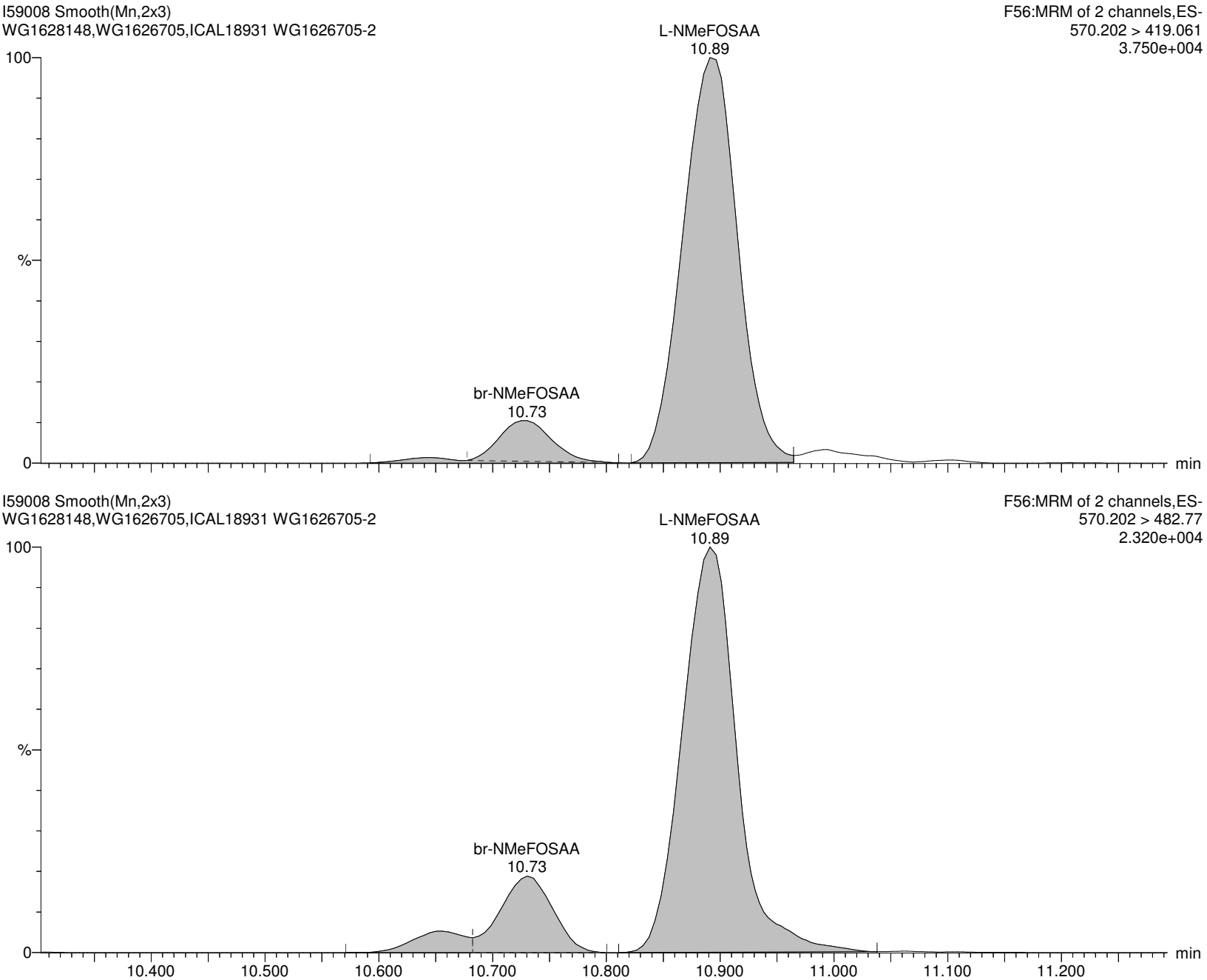


all concentration units in (ng/mL)

Alpha Analytical Inc.
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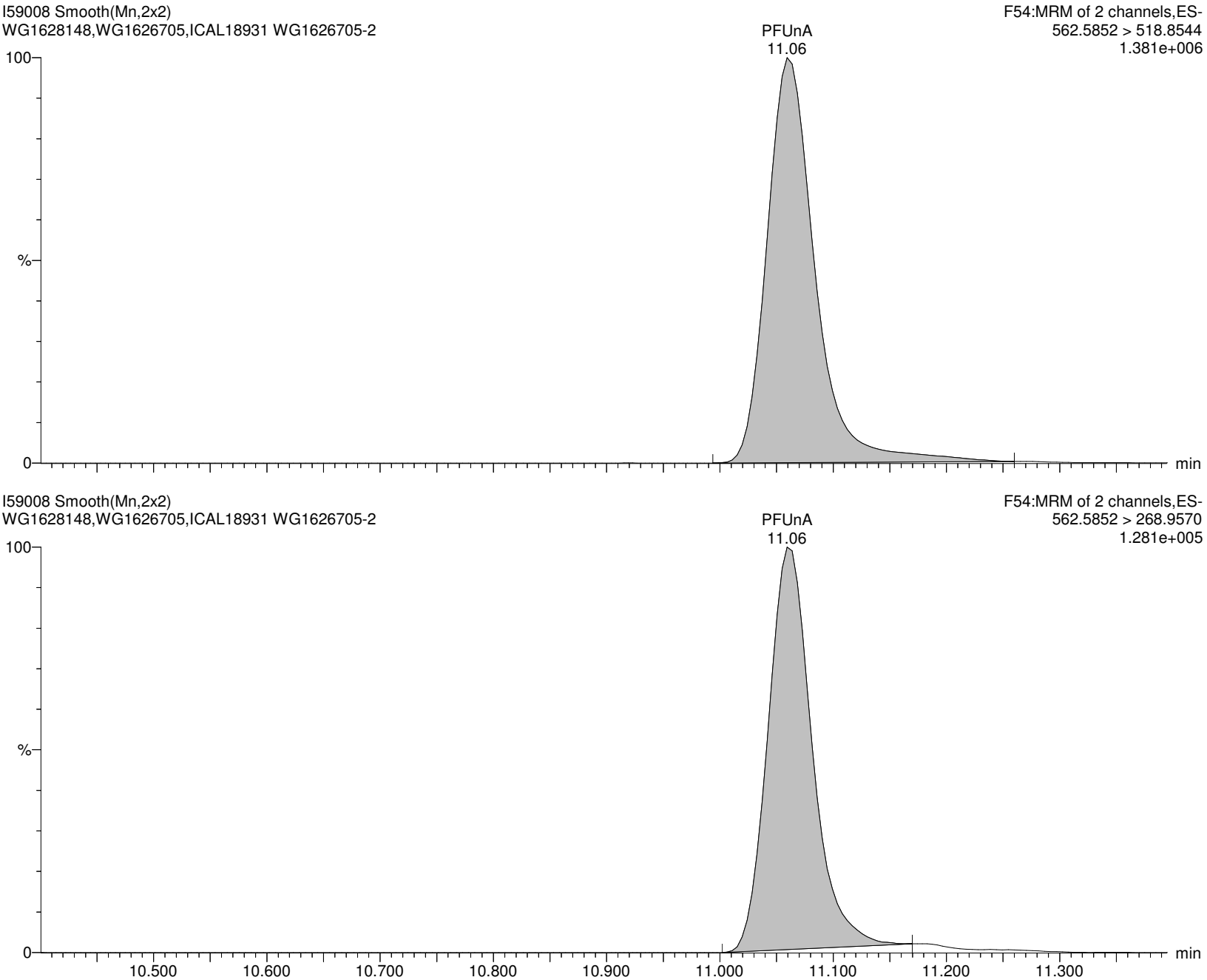


all concentration units in (ng/mL)

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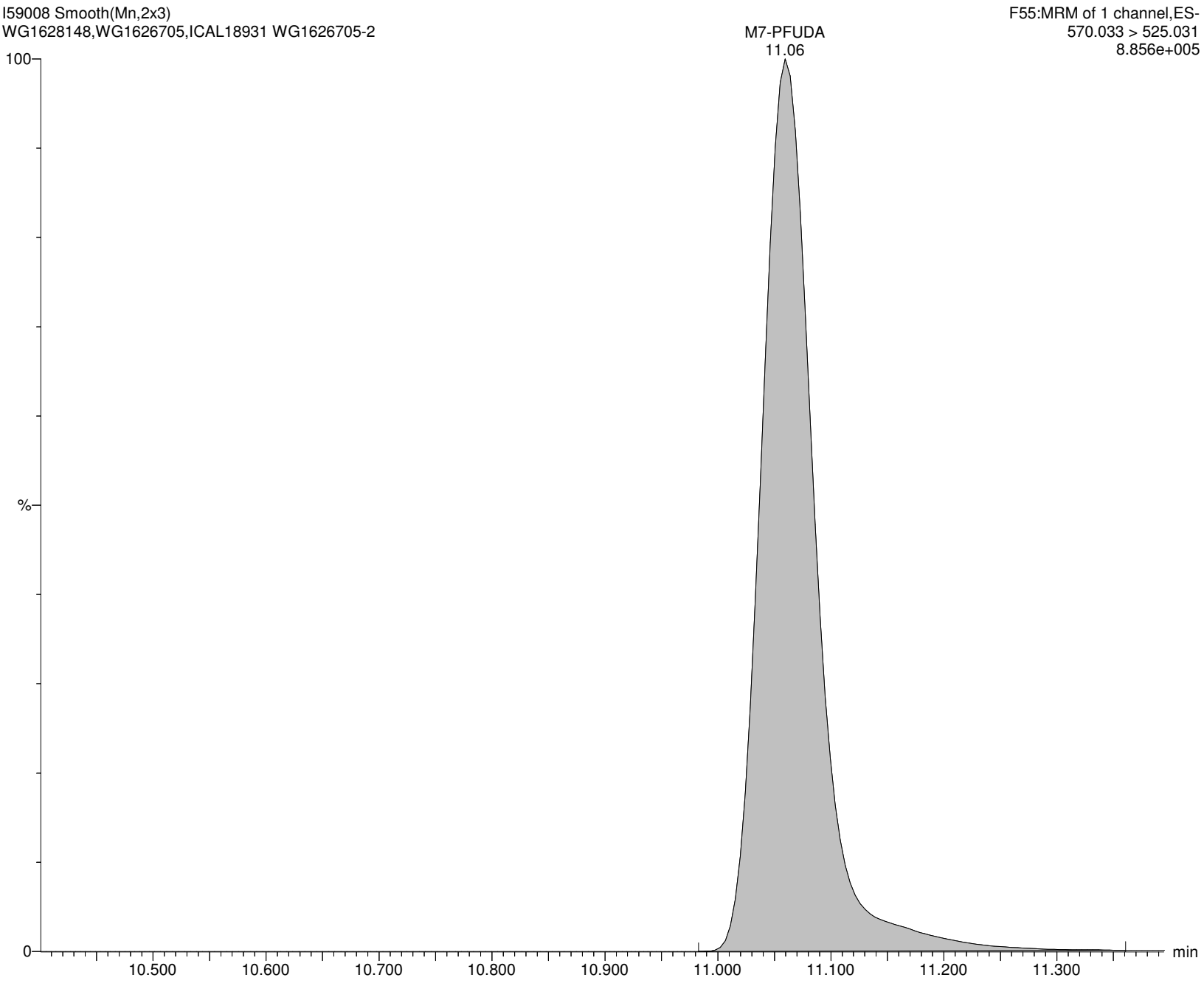


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:38 Eastern Daylight Time

Name: I59008
ID: WG1626705-2
Date: 17-Apr-2022
Time: 19:30:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,2
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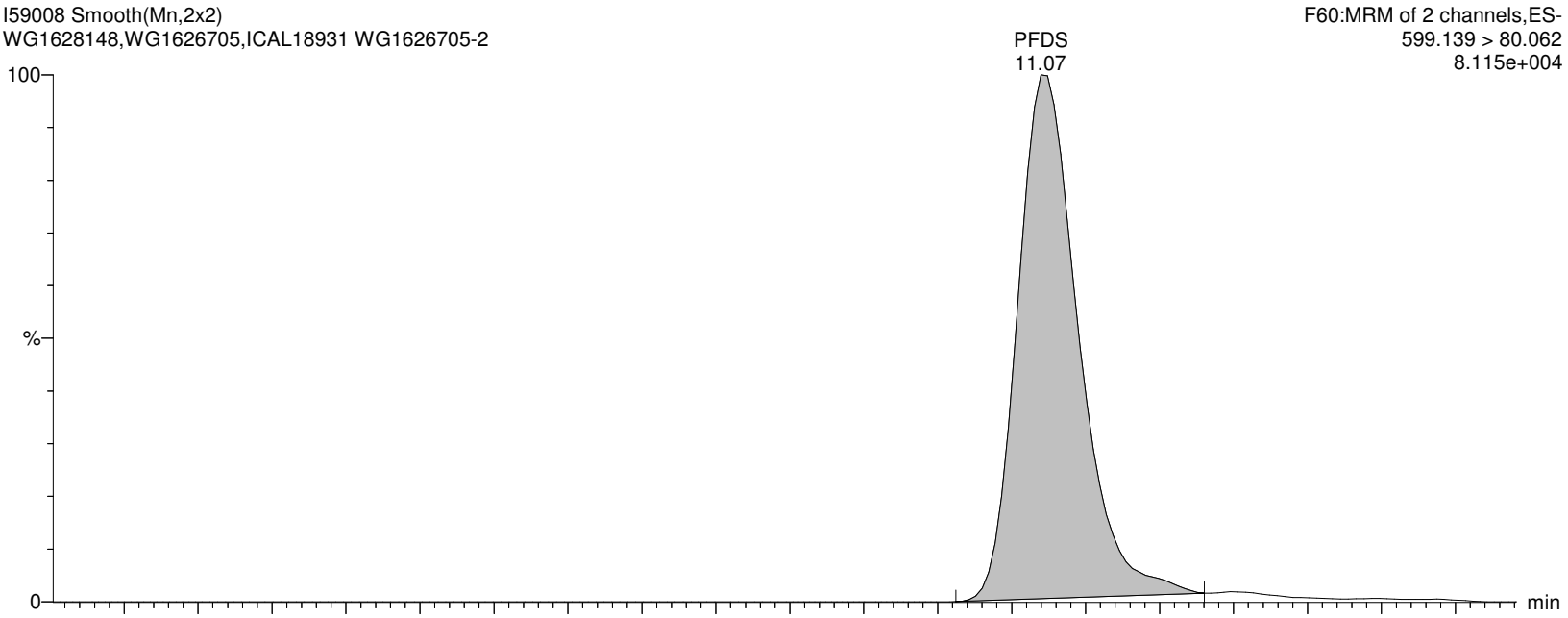


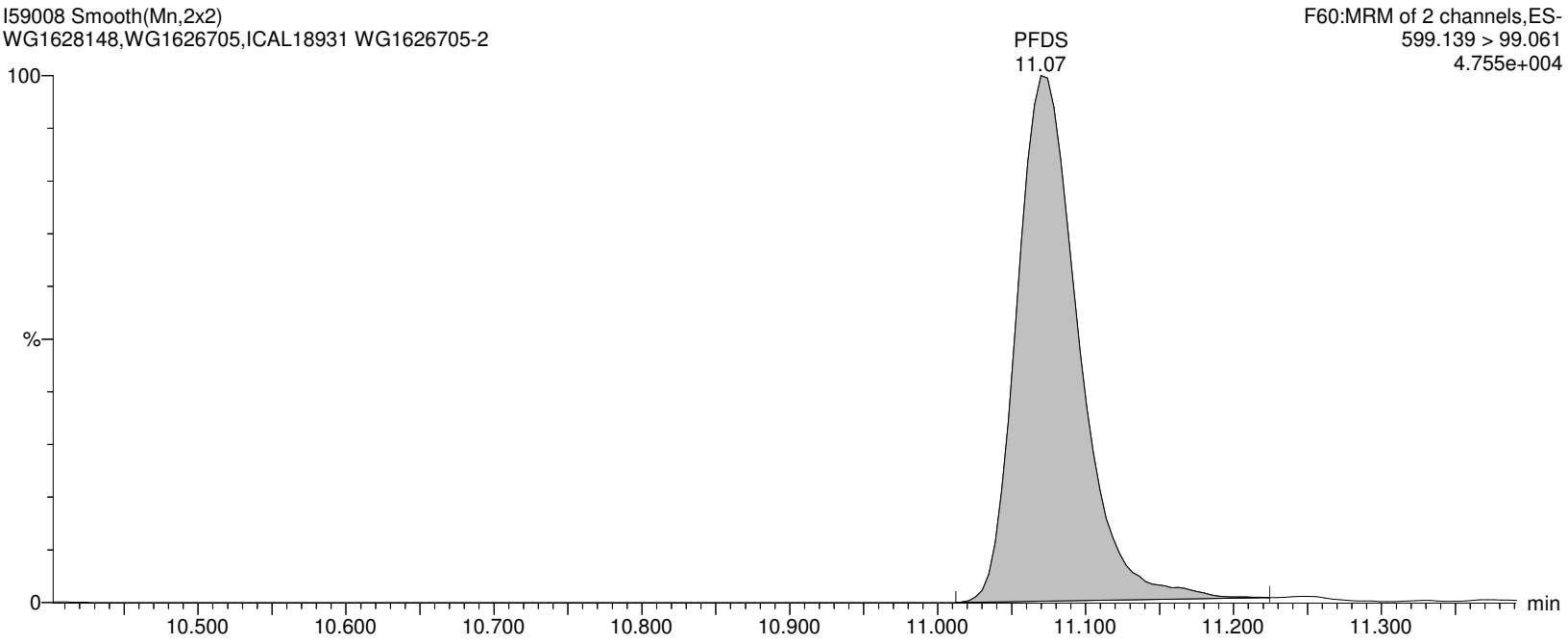
all concentration units in (ng/mL)

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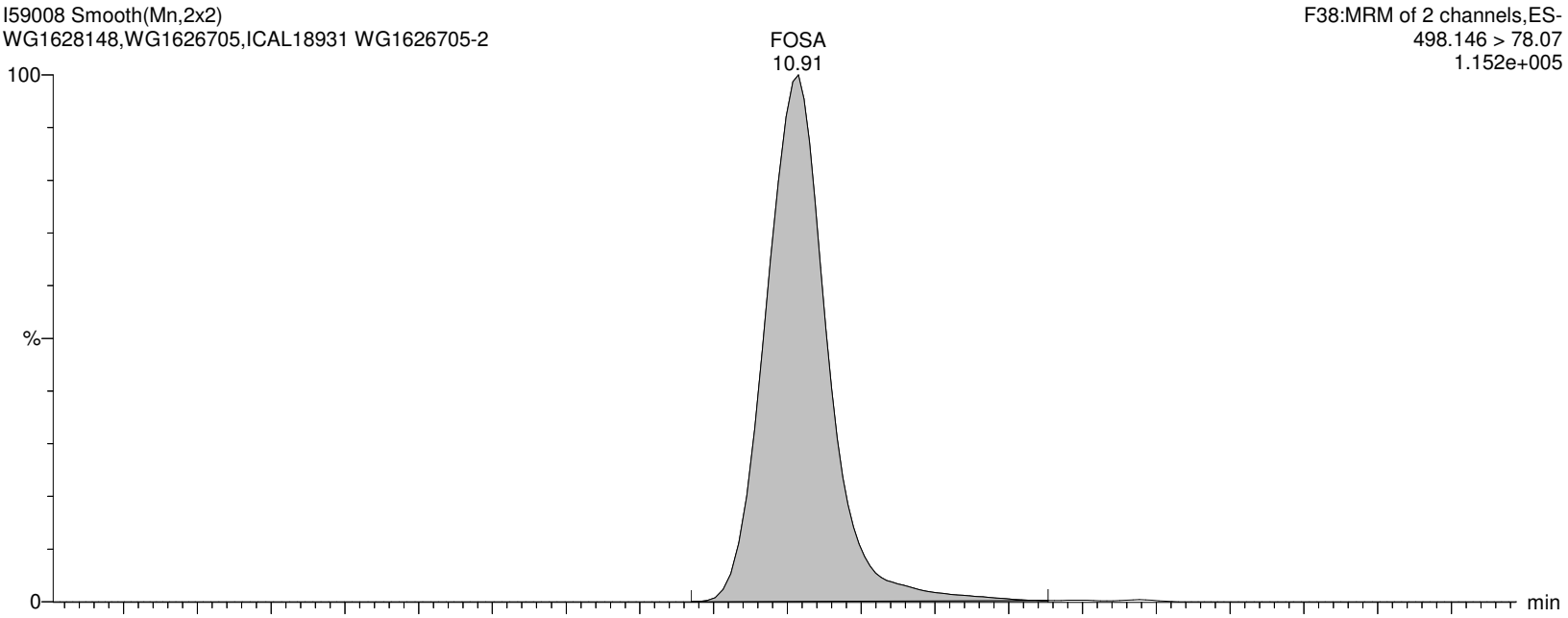


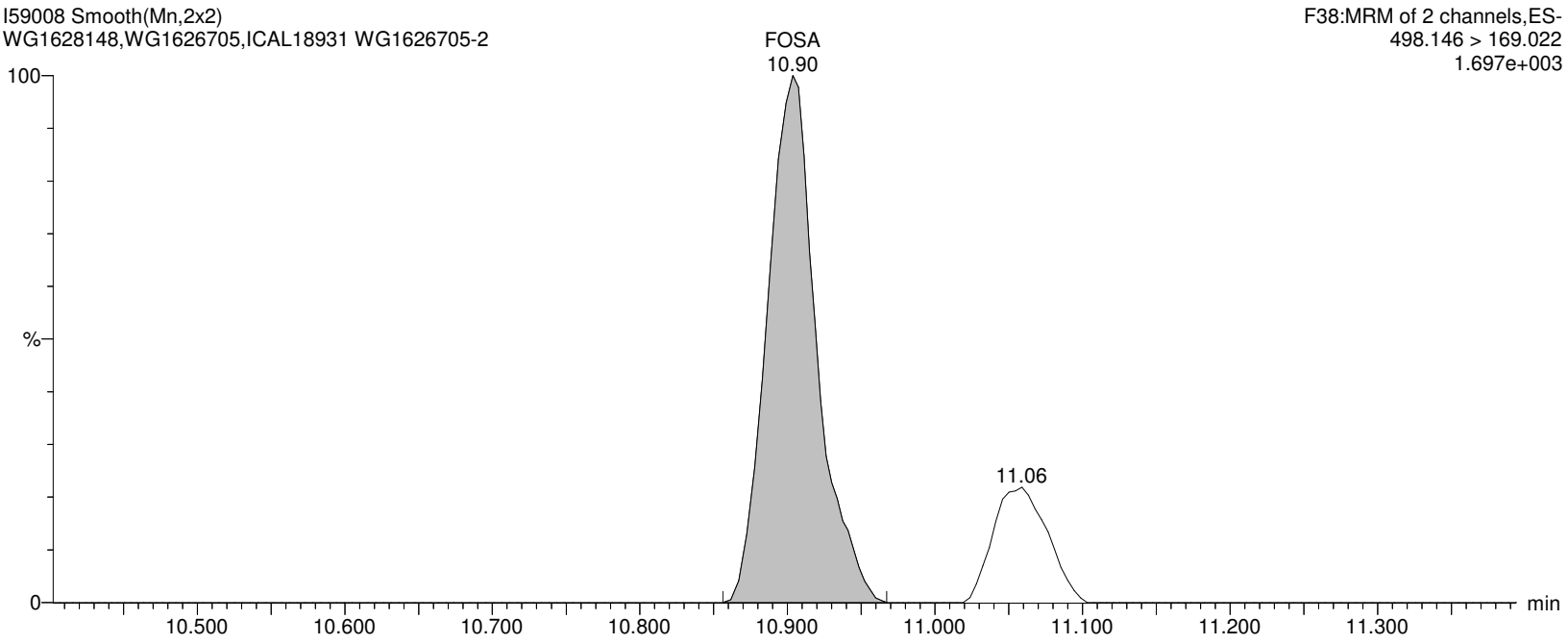
all concentration units in (ng/mL)

Alpha Analytical Inc.
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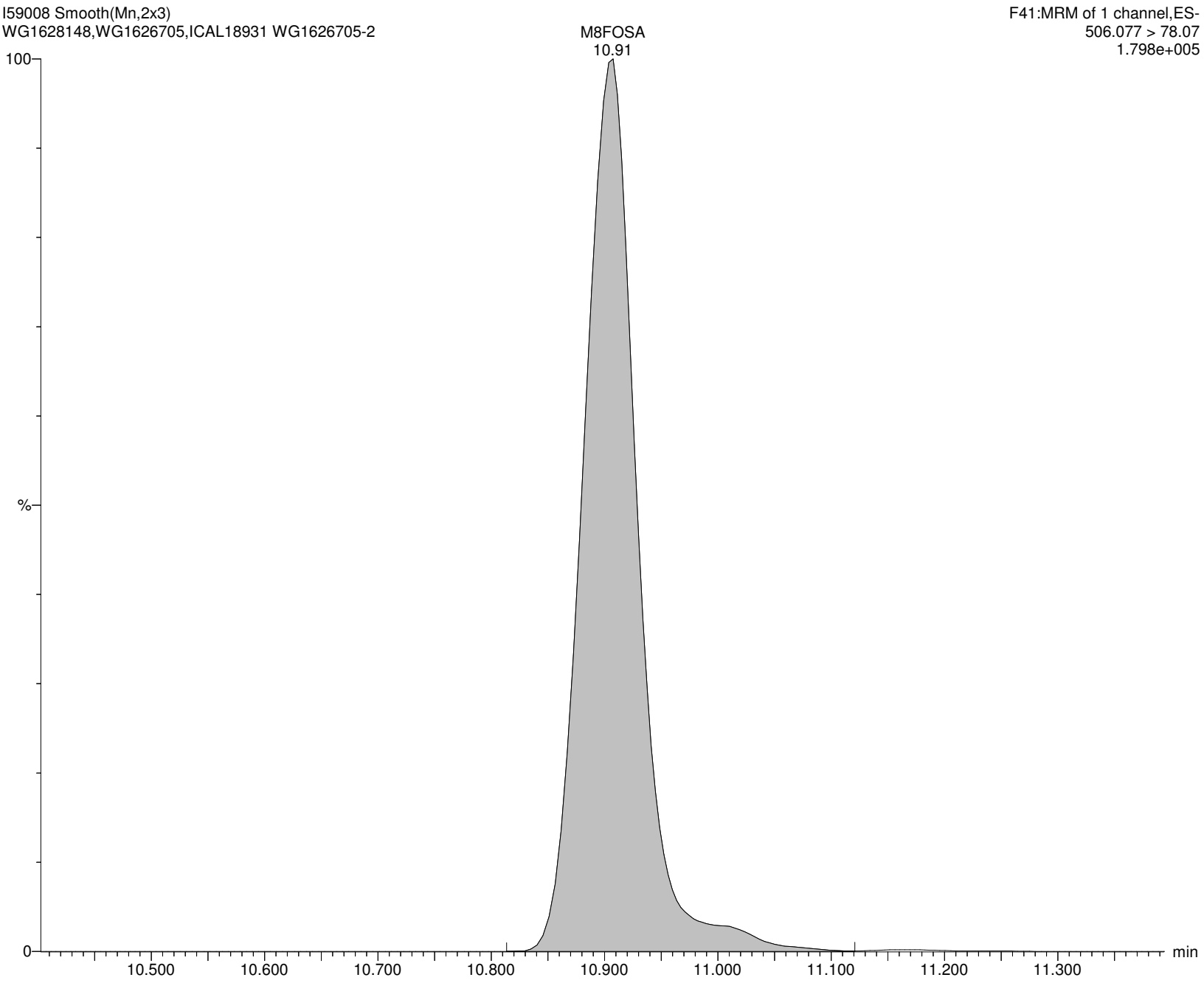


all concentration units in (ng/mL)

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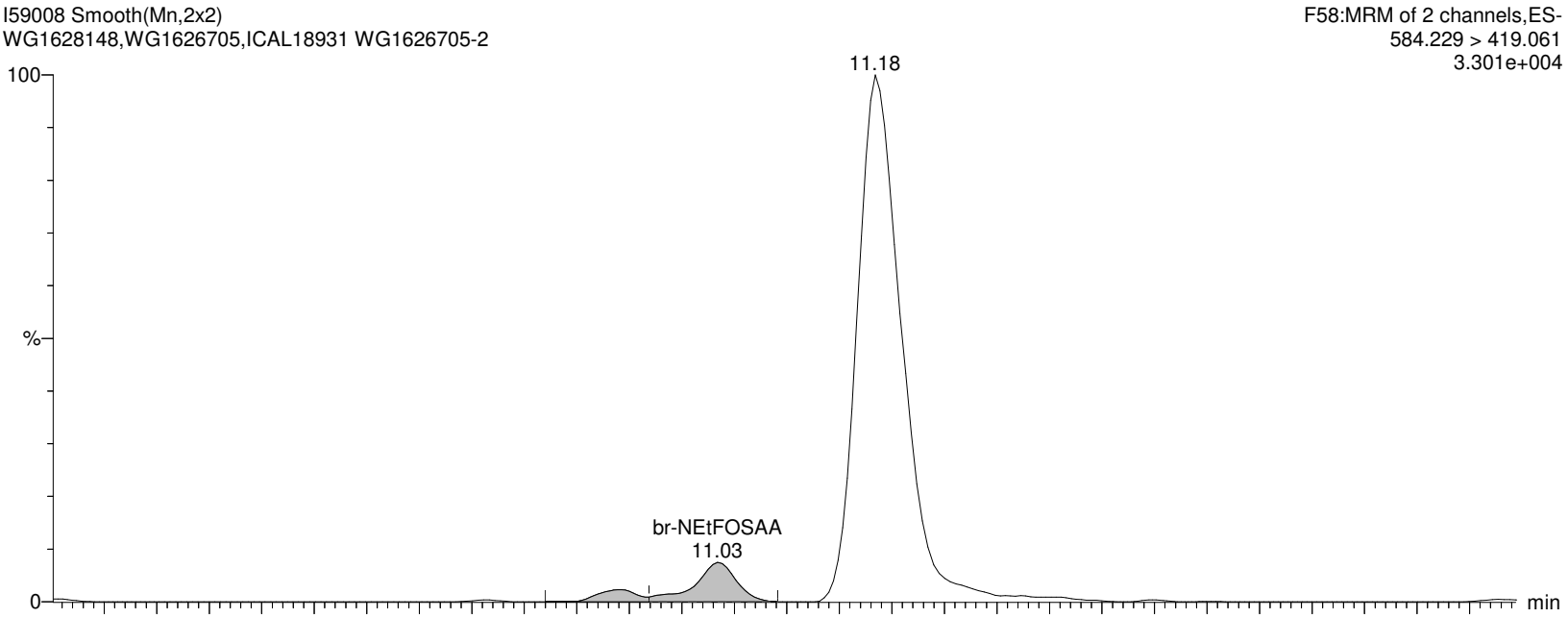


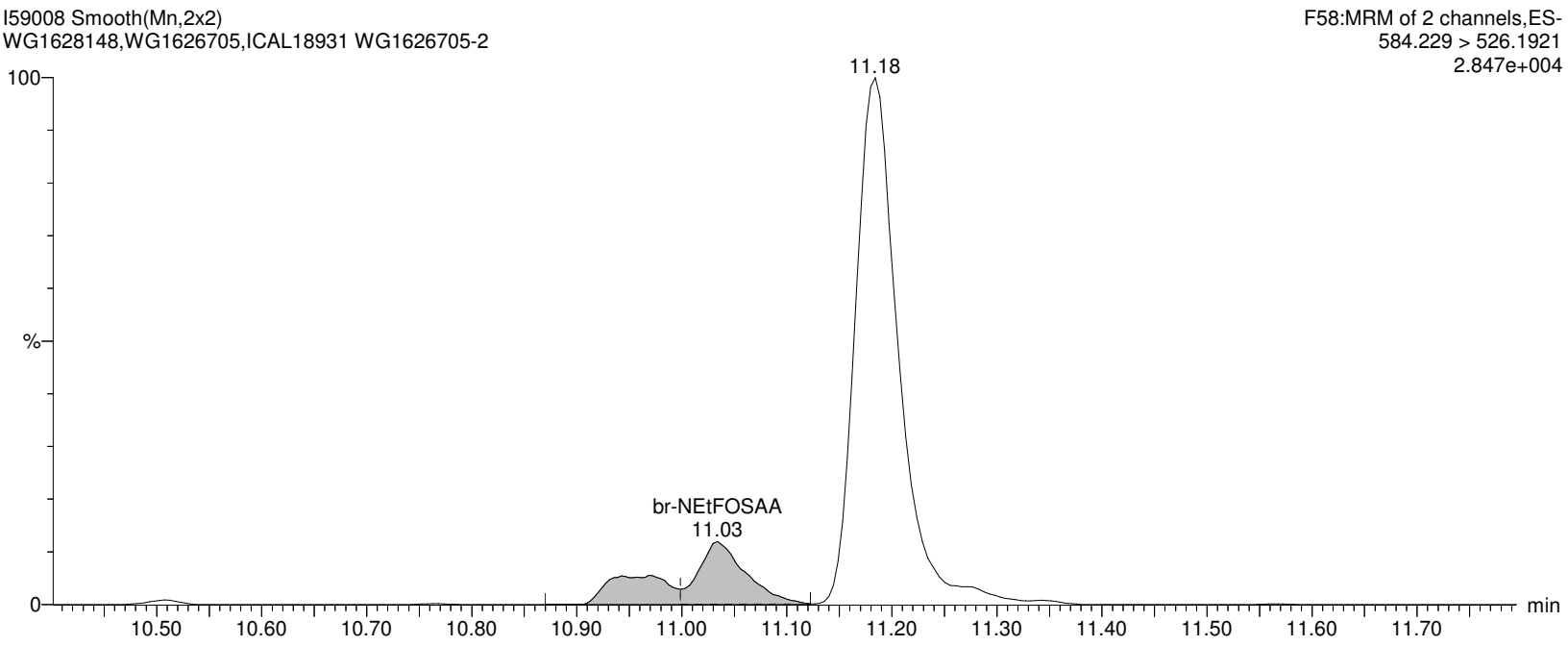
all concentration units in (ng/mL)

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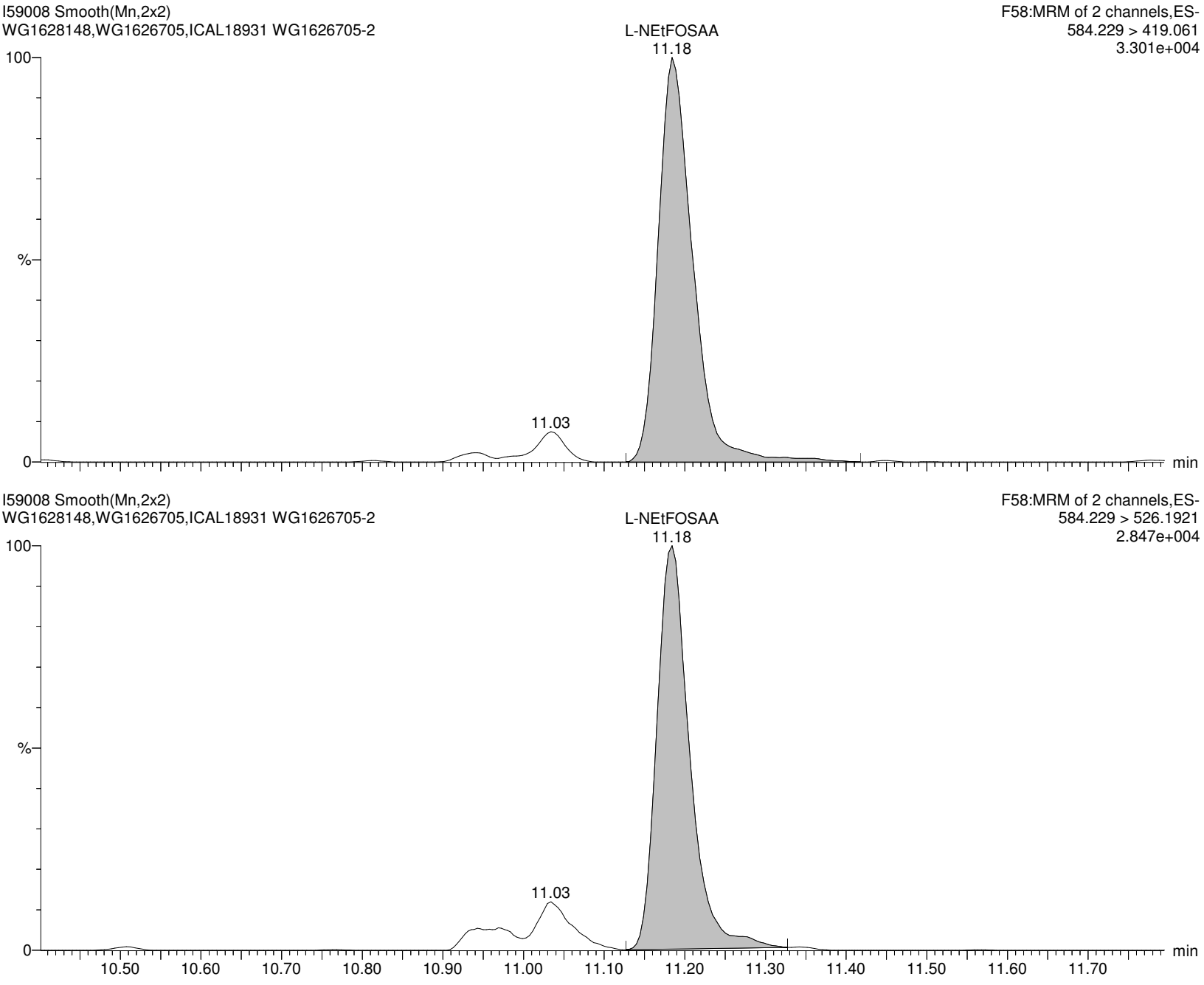


all concentration units in (ng/mL)

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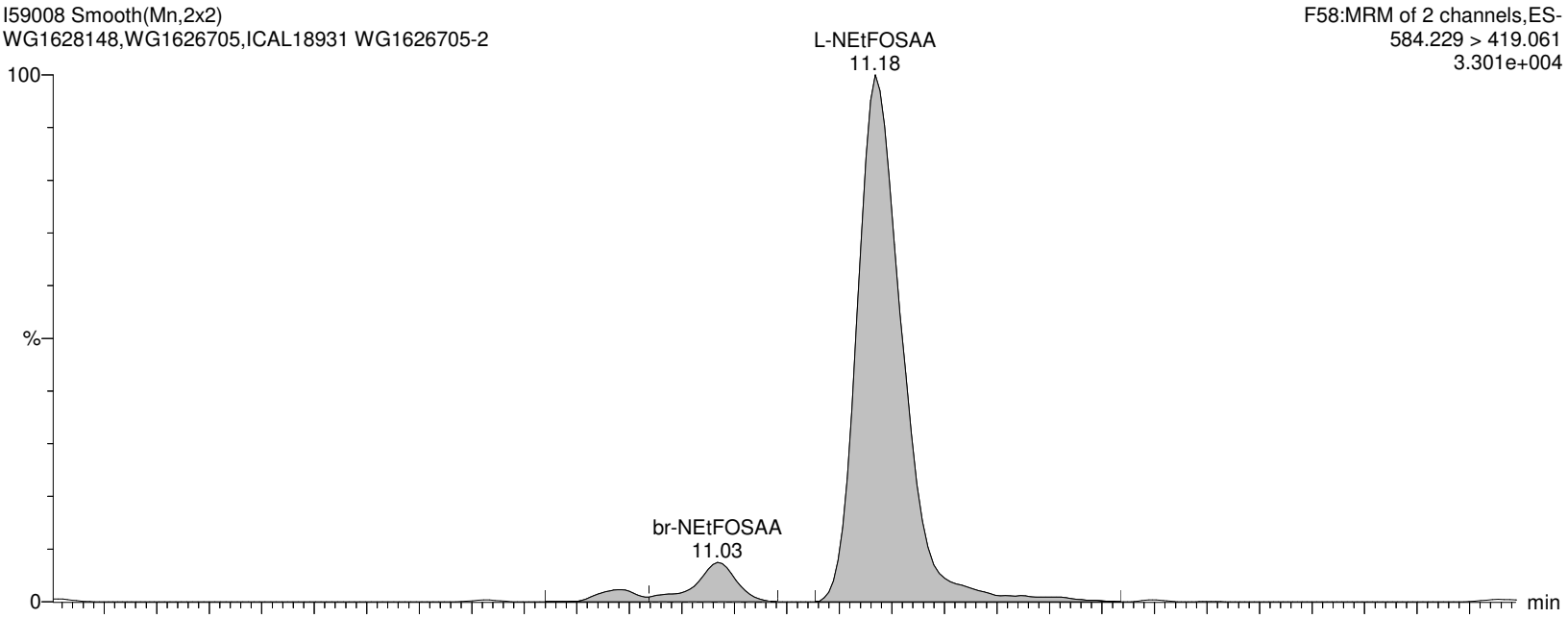


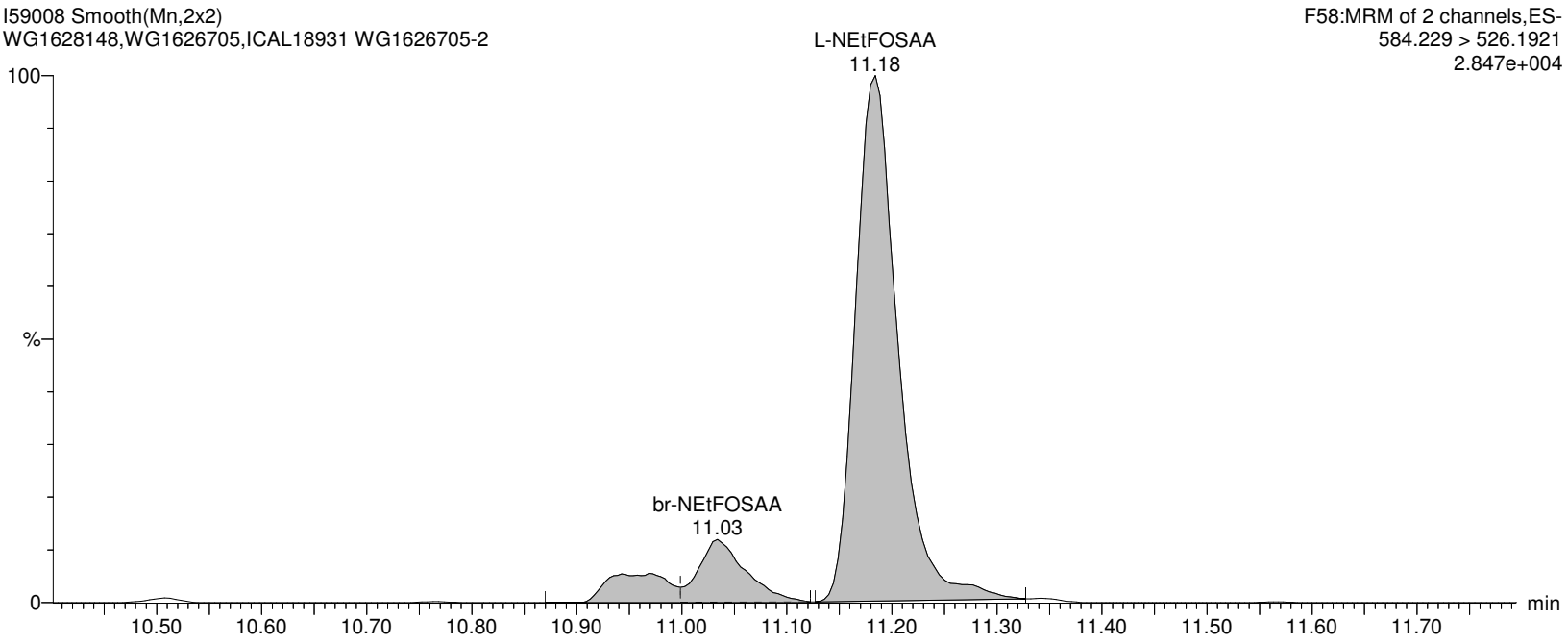
all concentration units in (ng/mL)

Alpha Analytical Inc.
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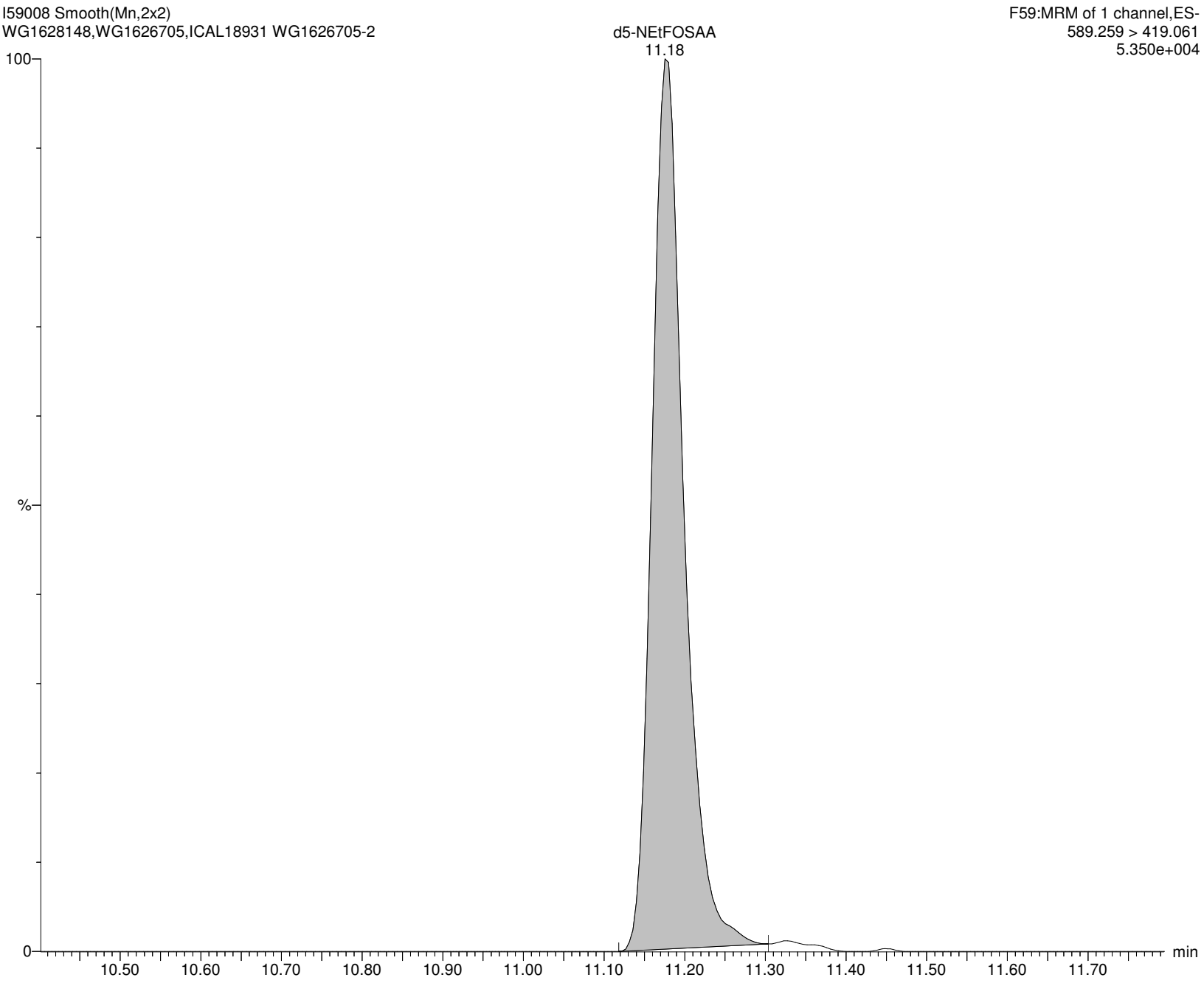


all concentration units in (ng/mL)

Alpha Analytical Inc.
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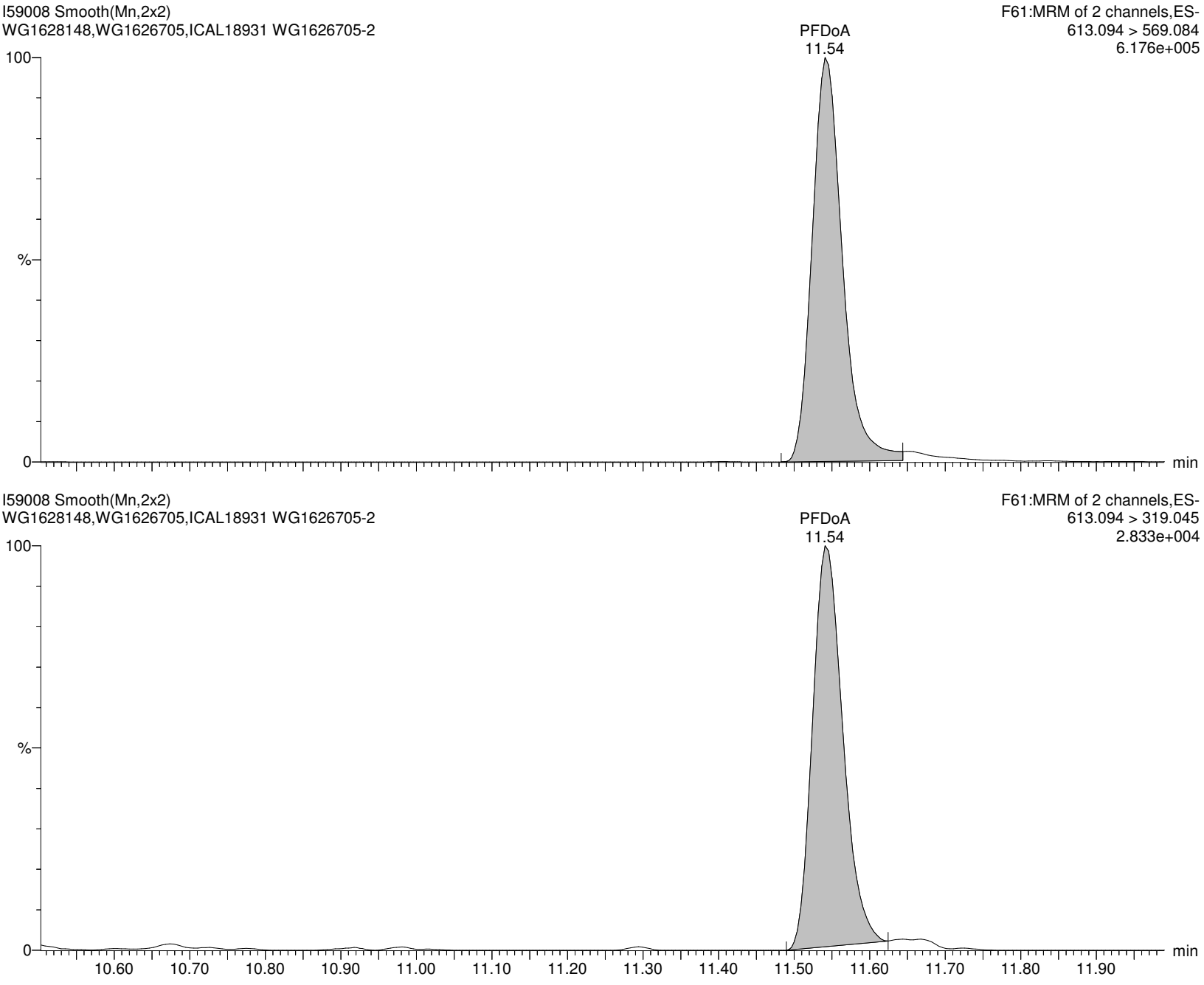


all concentration units in (ng/mL)

Alpha Analytical Inc.
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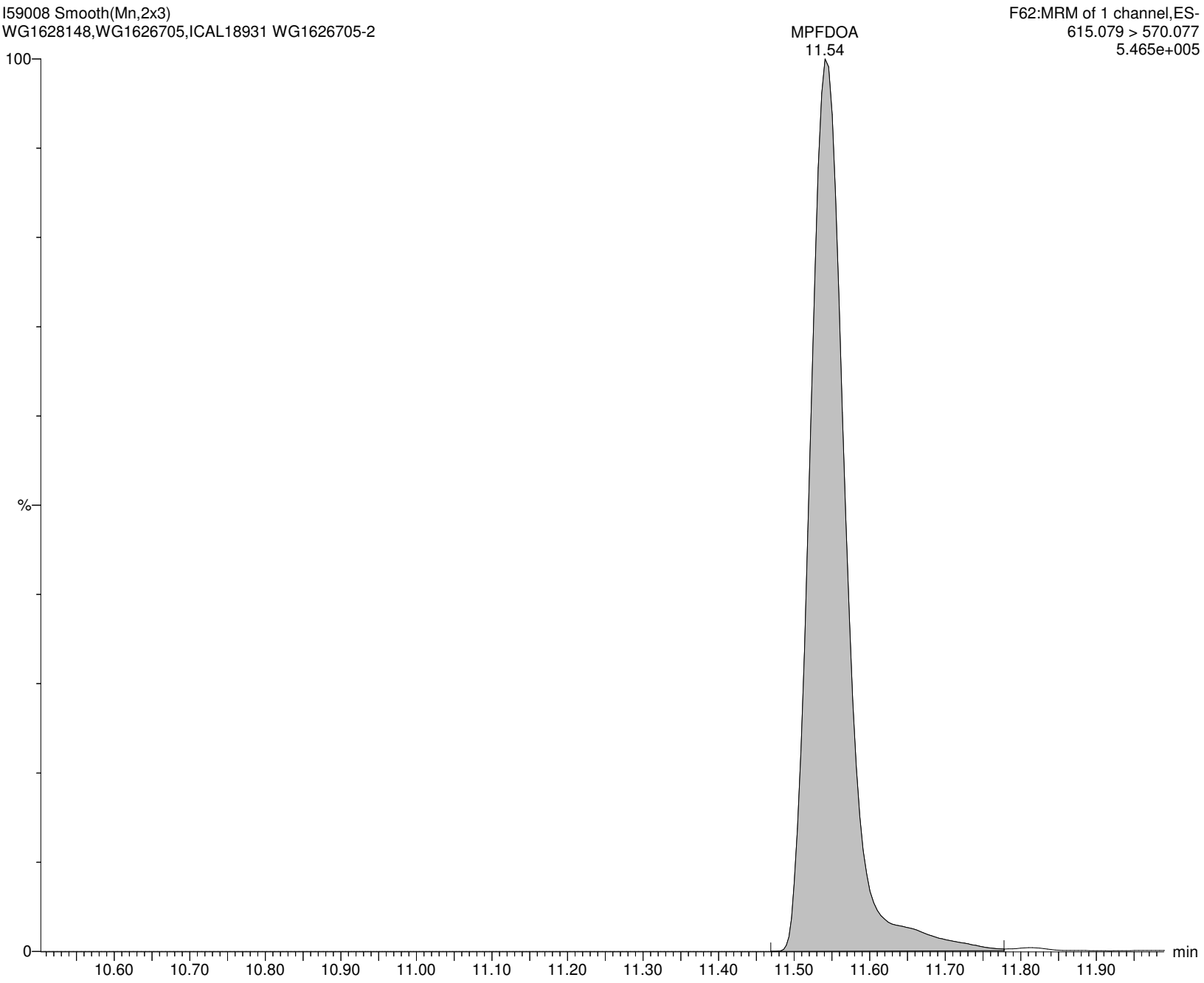


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
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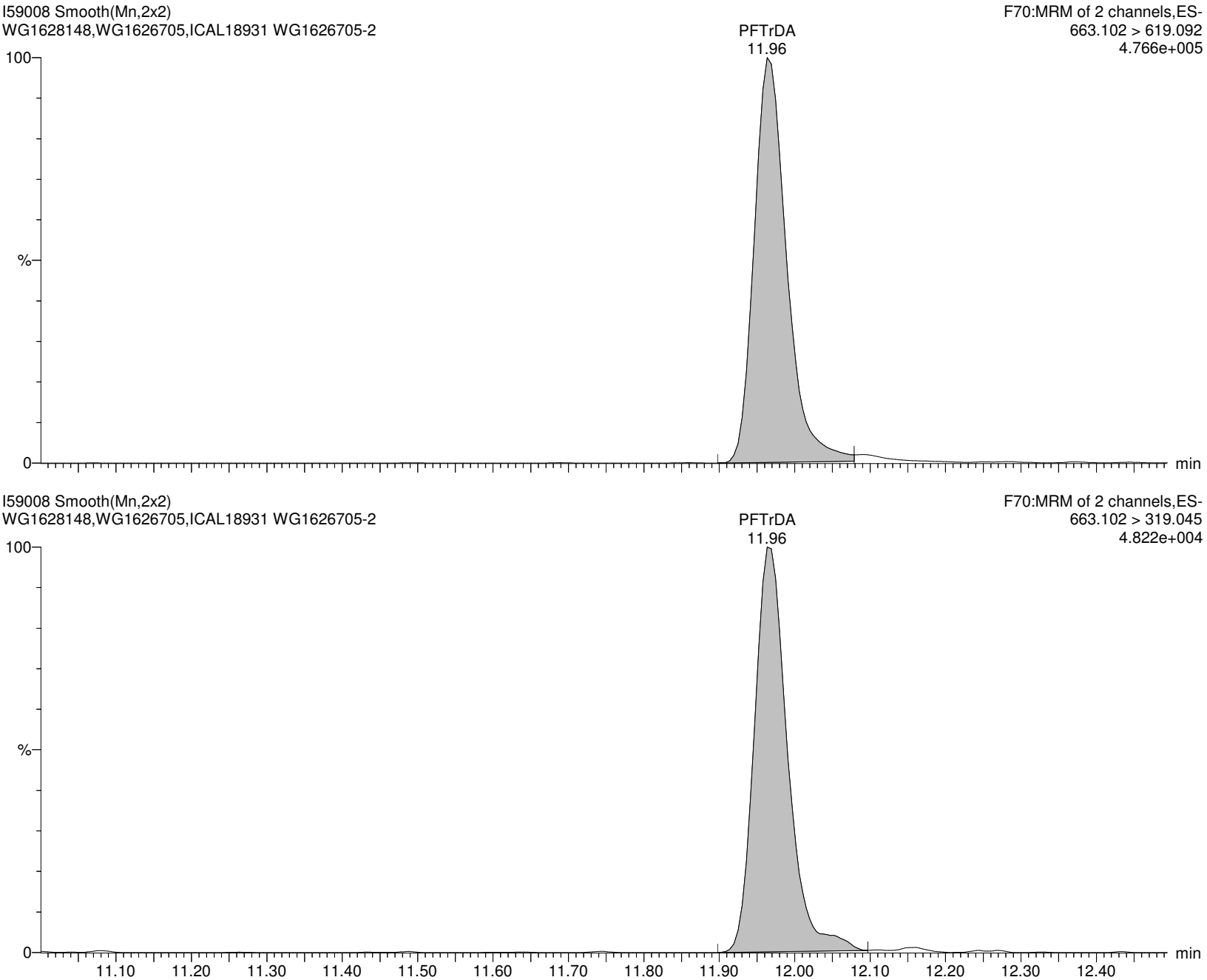


all concentration units in (ng/mL)

Alpha Analytical Inc.
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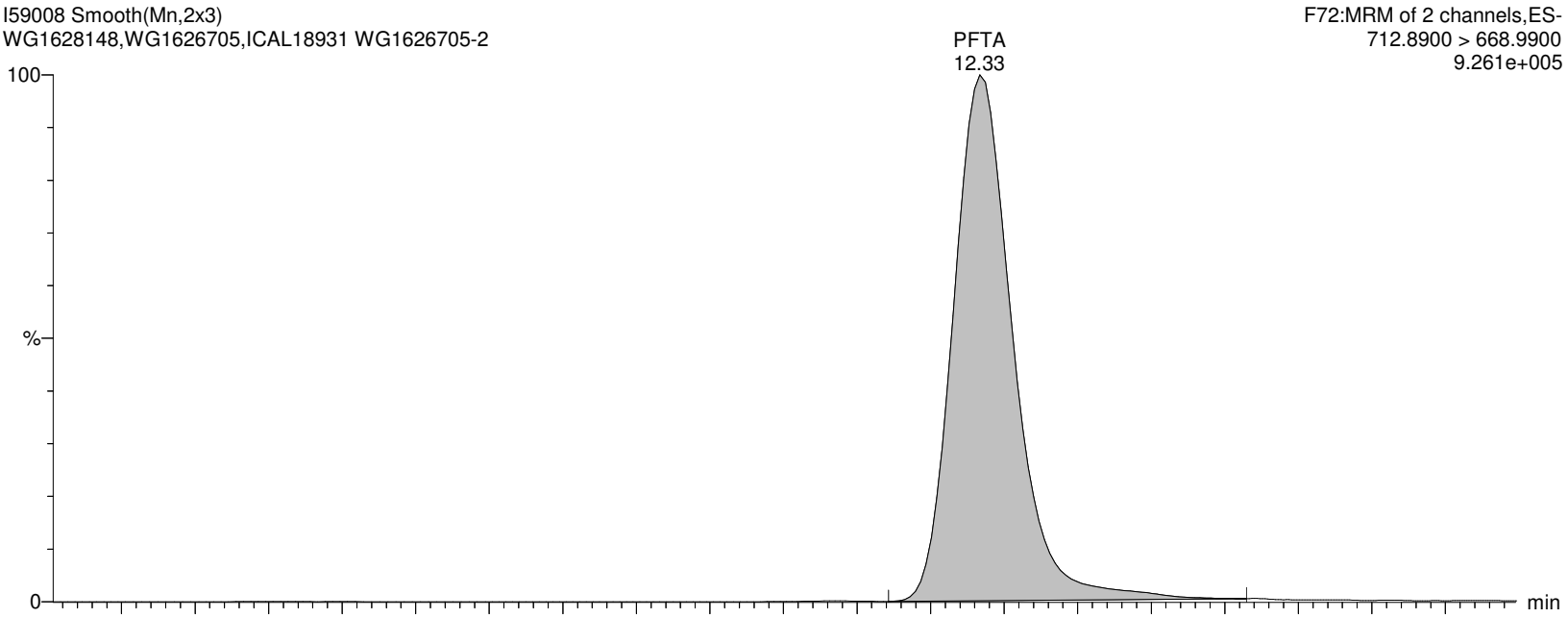


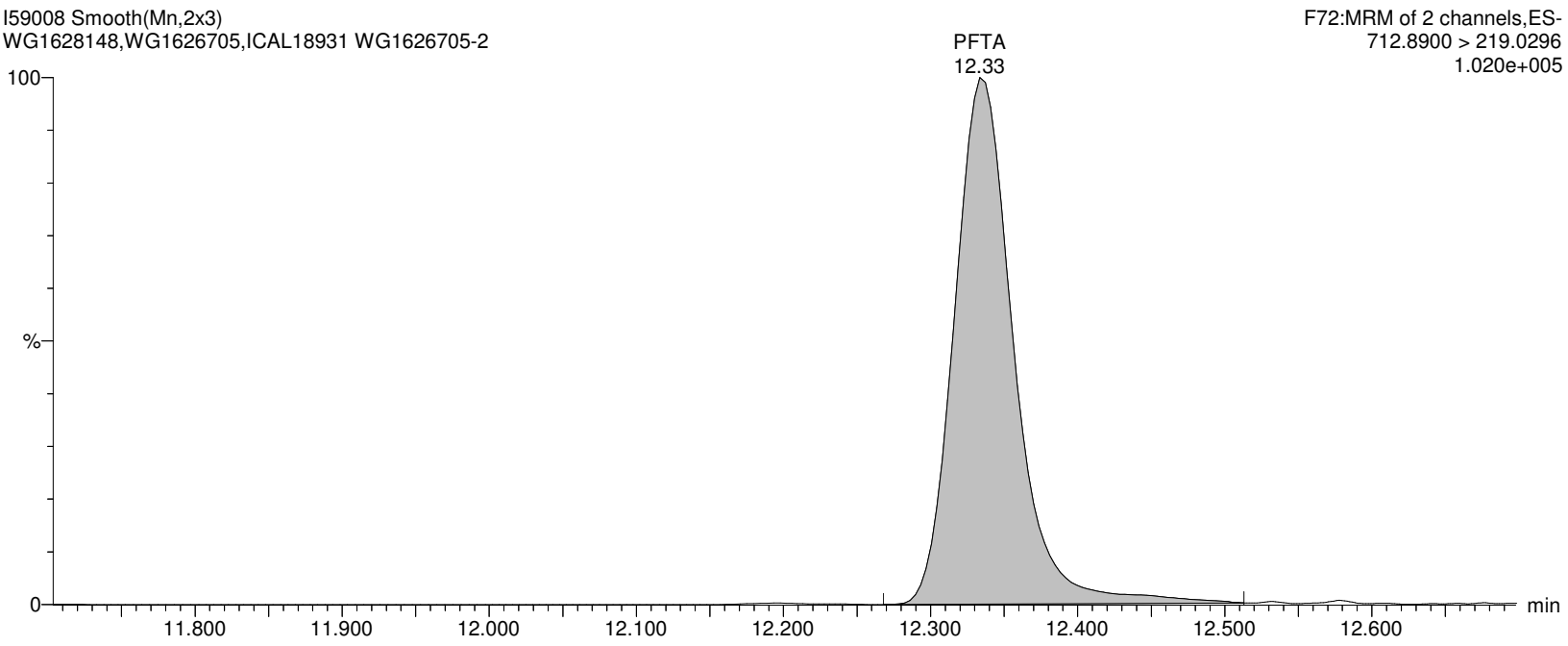
all concentration units in (ng/mL)

Alpha Analytical Inc.
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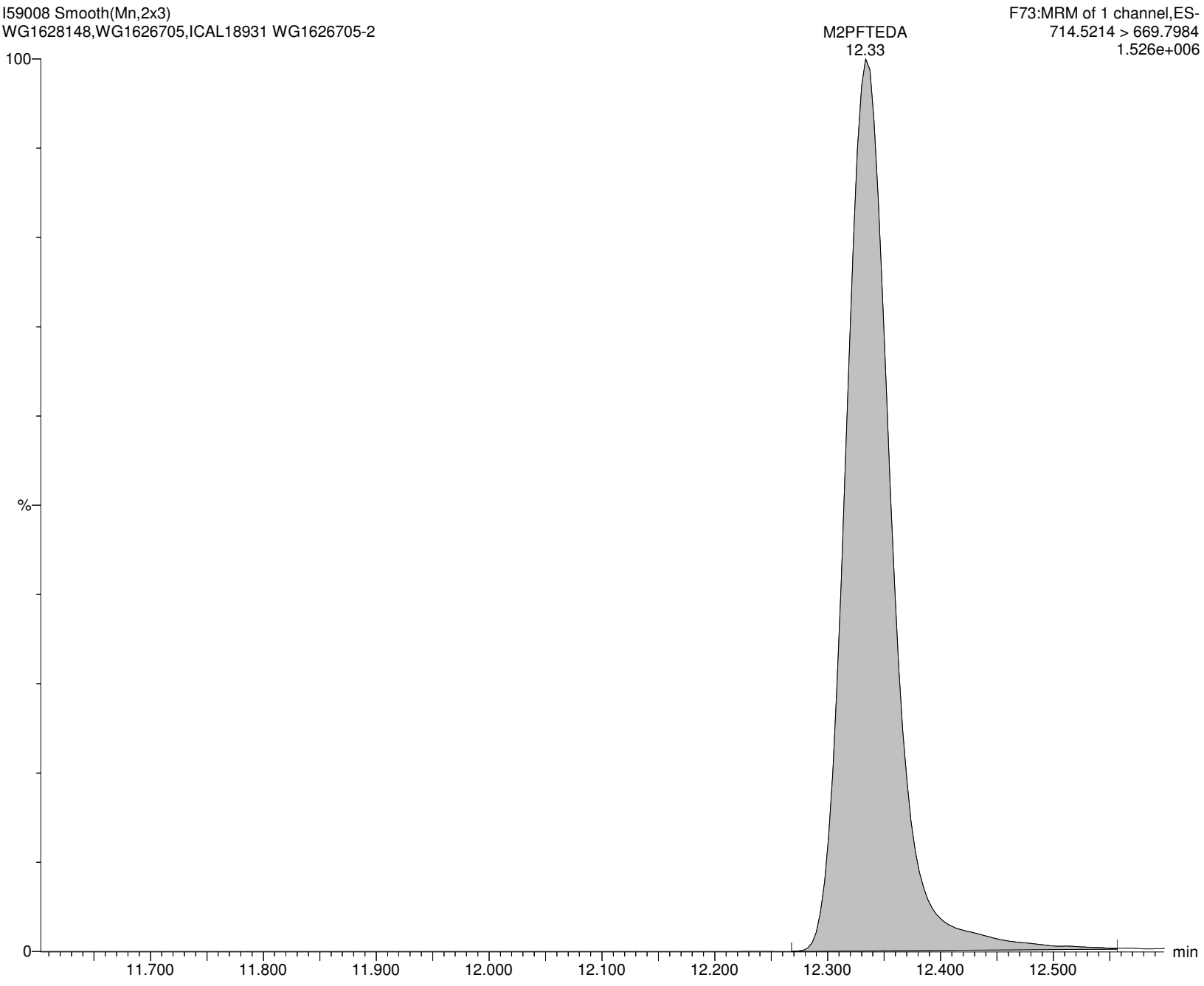


all concentration units in (ng/mL)

Alpha Analytical Inc.
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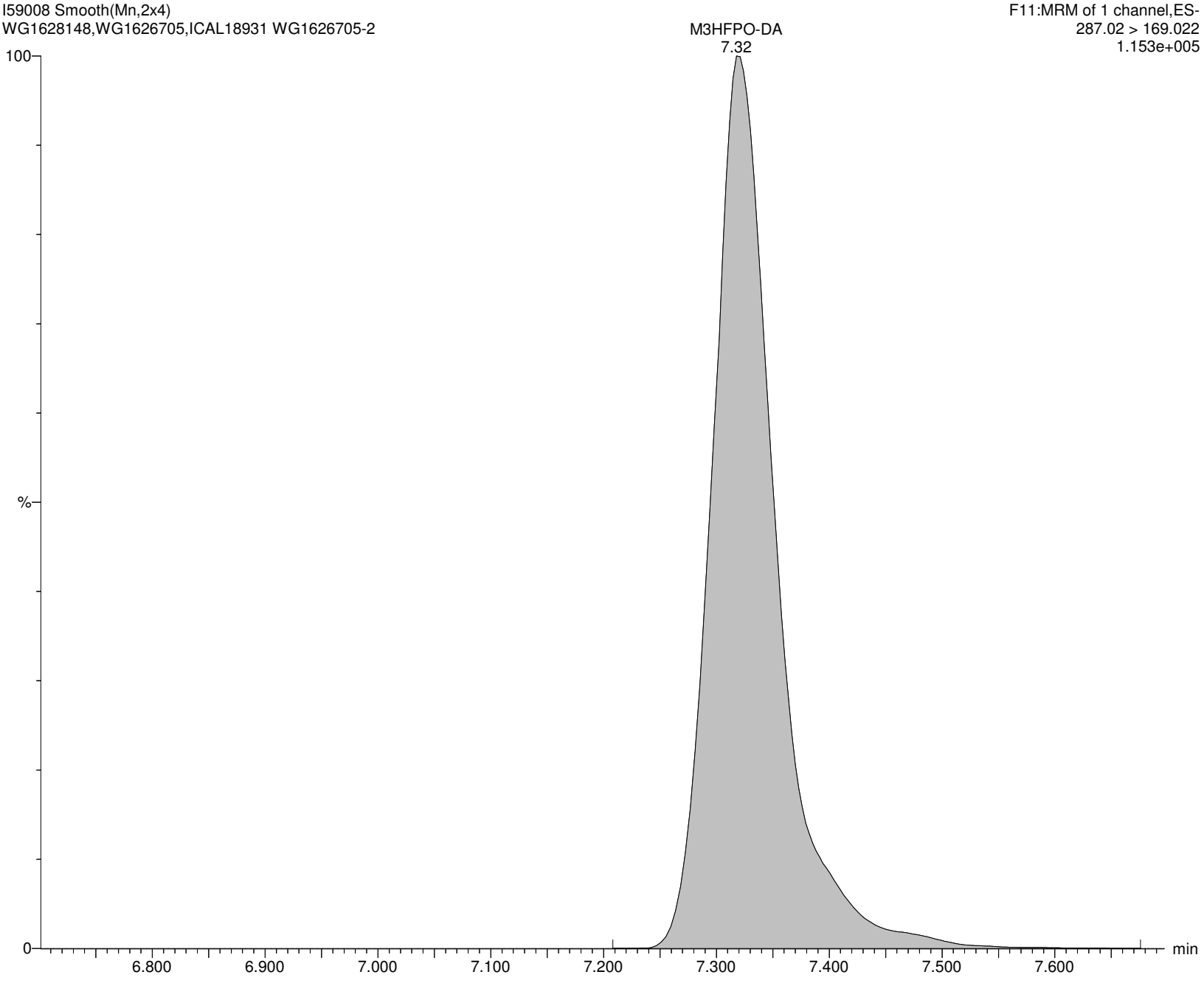


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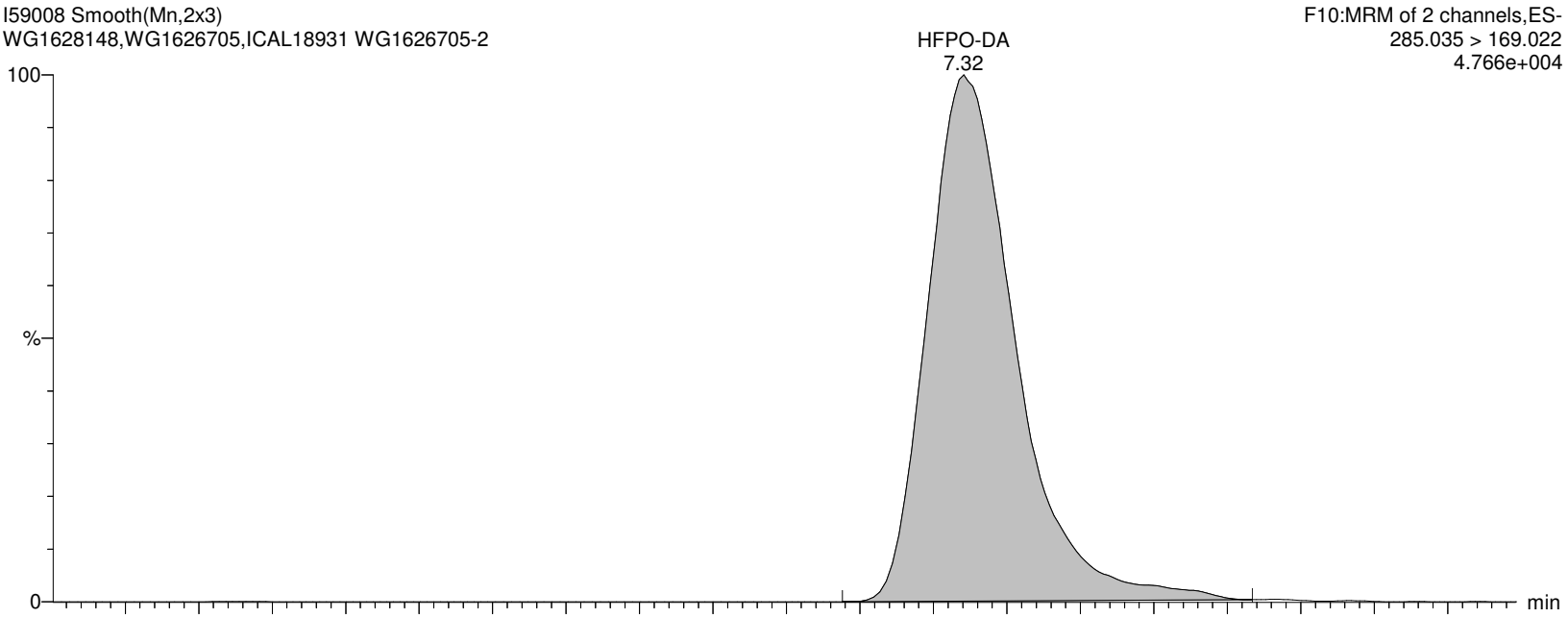


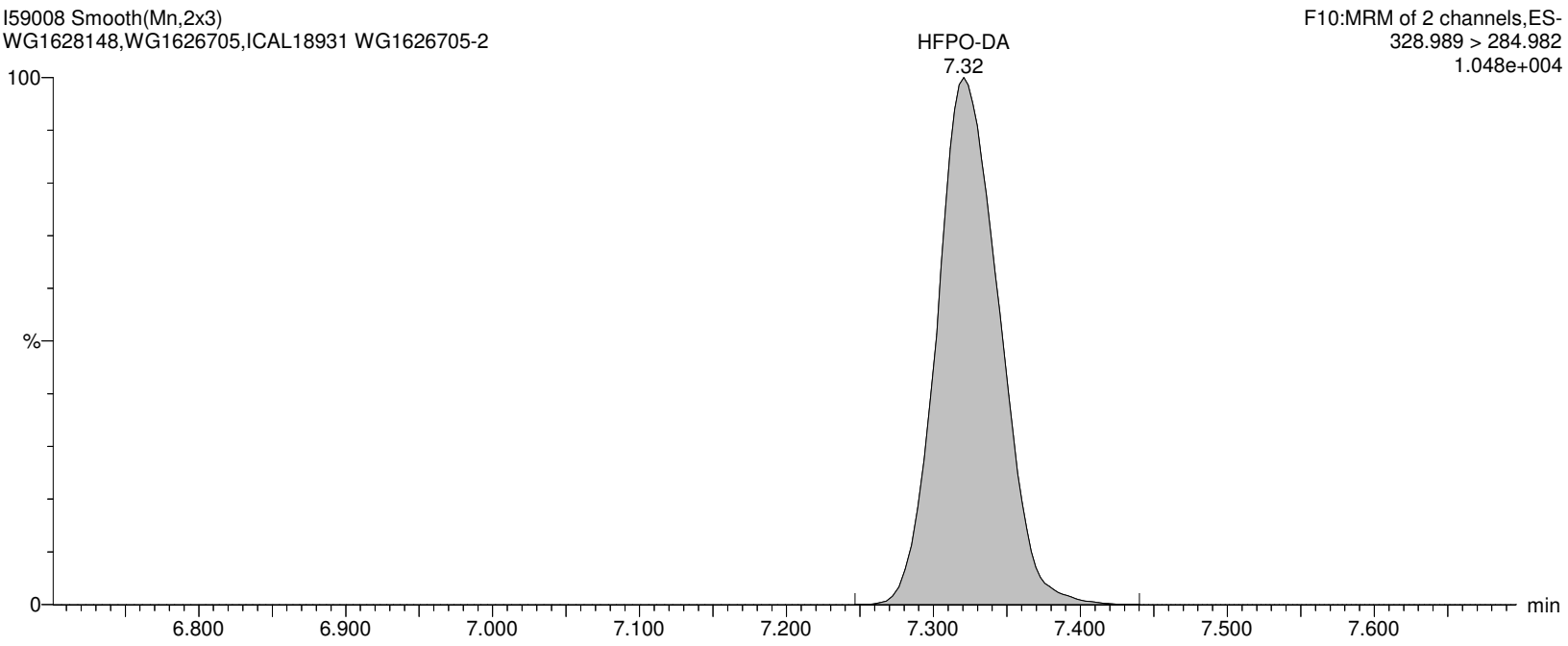
all concentration units in (ng/mL)

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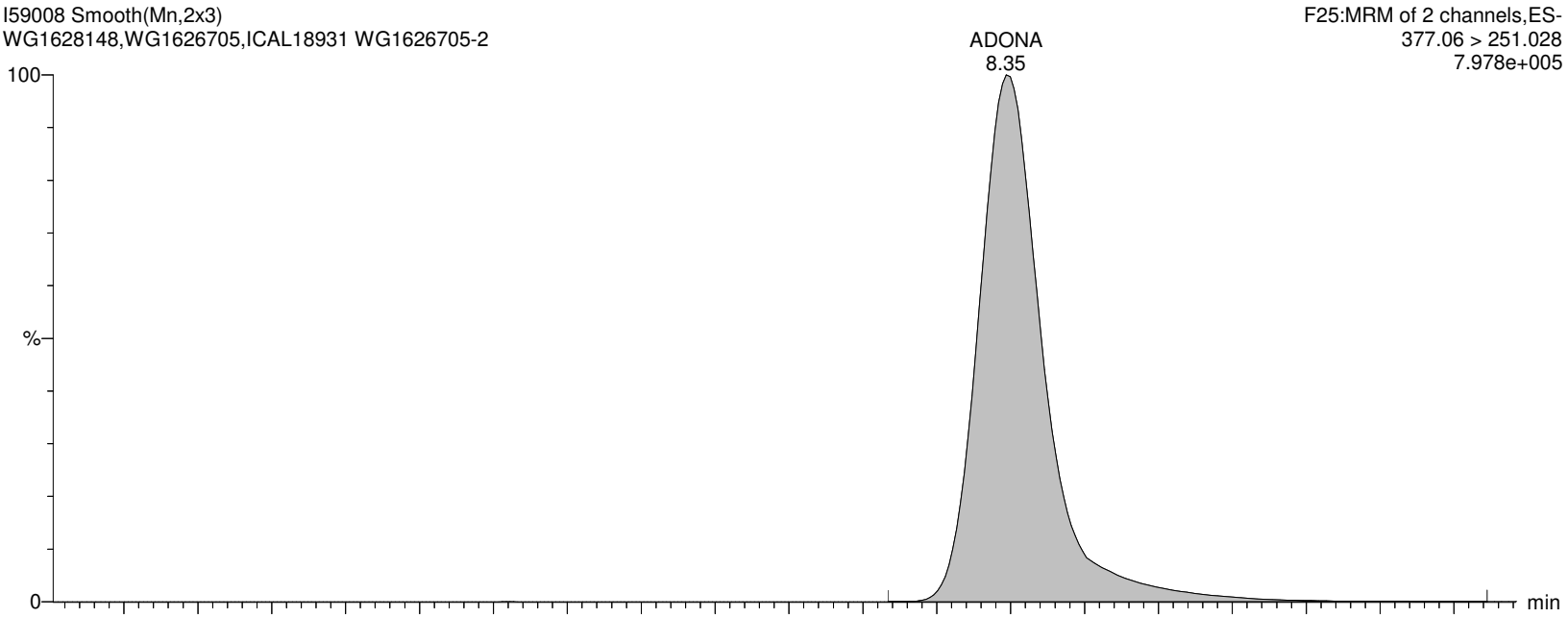


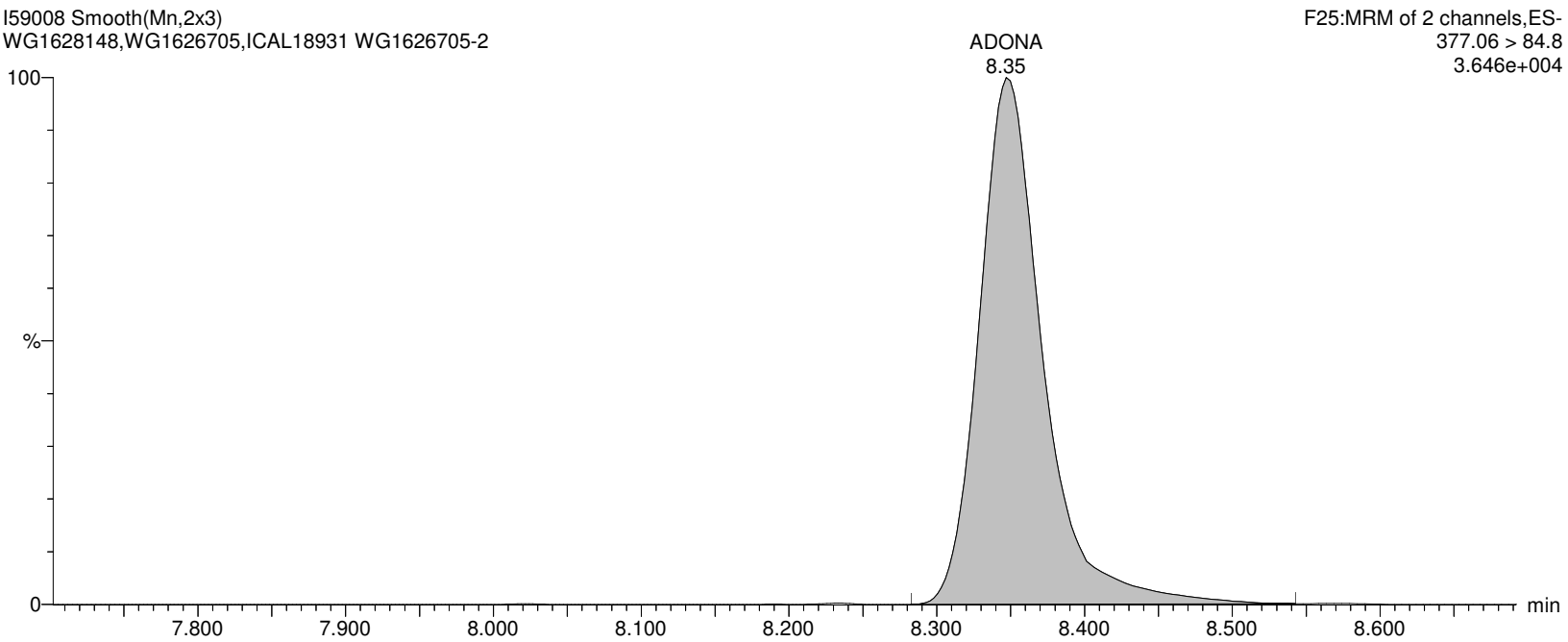
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

ADONA



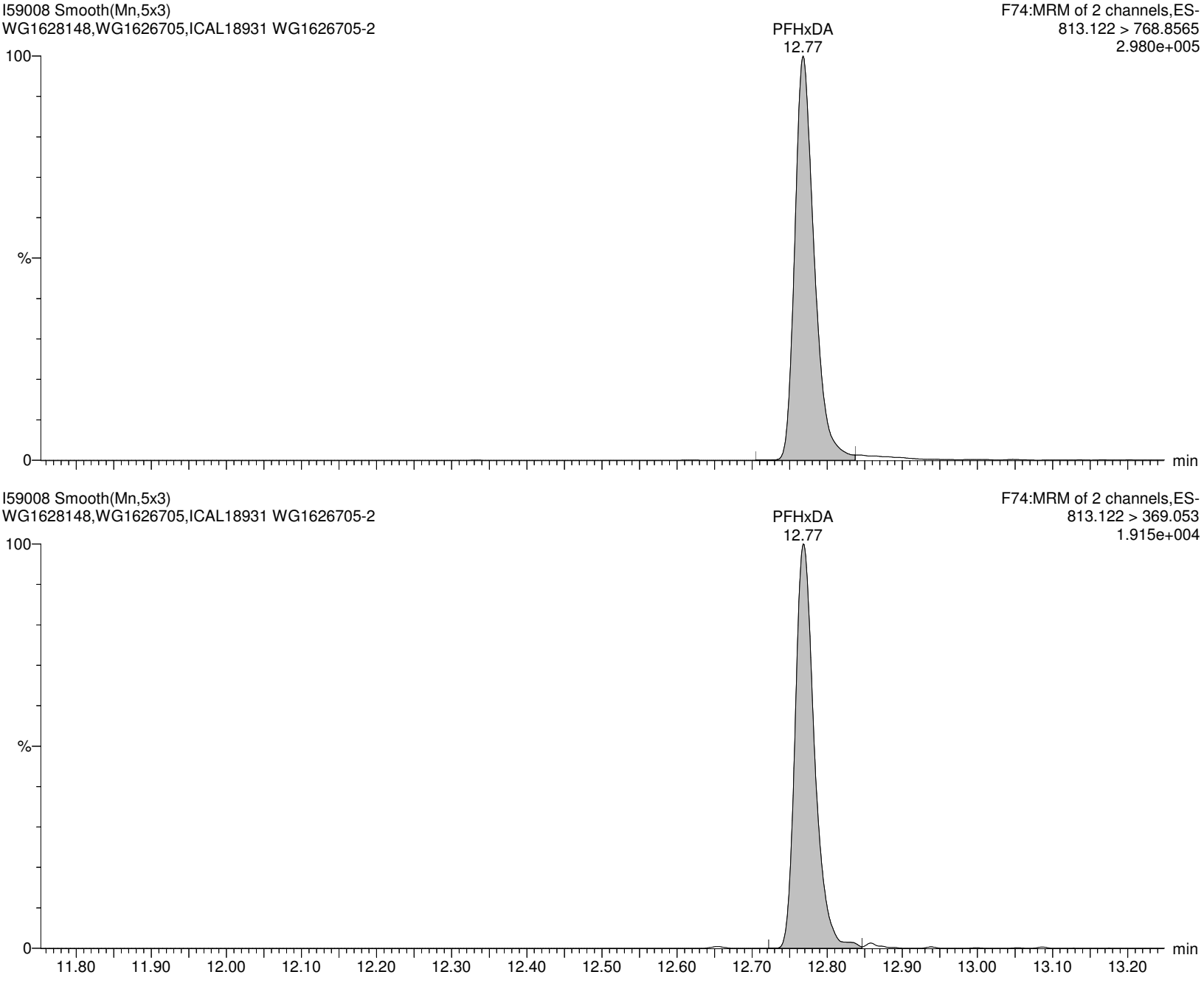


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-A.qld
Last Altered: Monday, April 18, 2022 12:14:51 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 18:57:38 Eastern Daylight Time

Name: I59008
ID: WG1626705-2
Date: 17-Apr-2022
Time: 19:30:10
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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PFHxDA

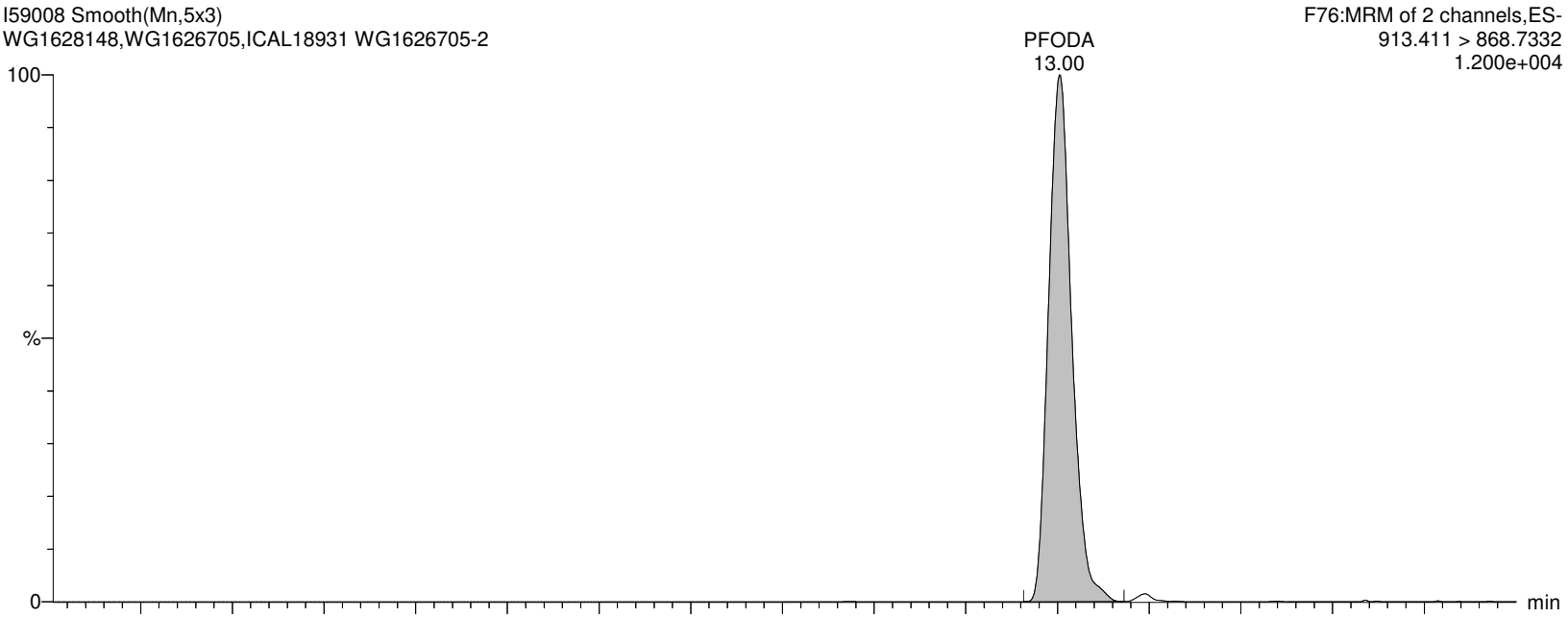


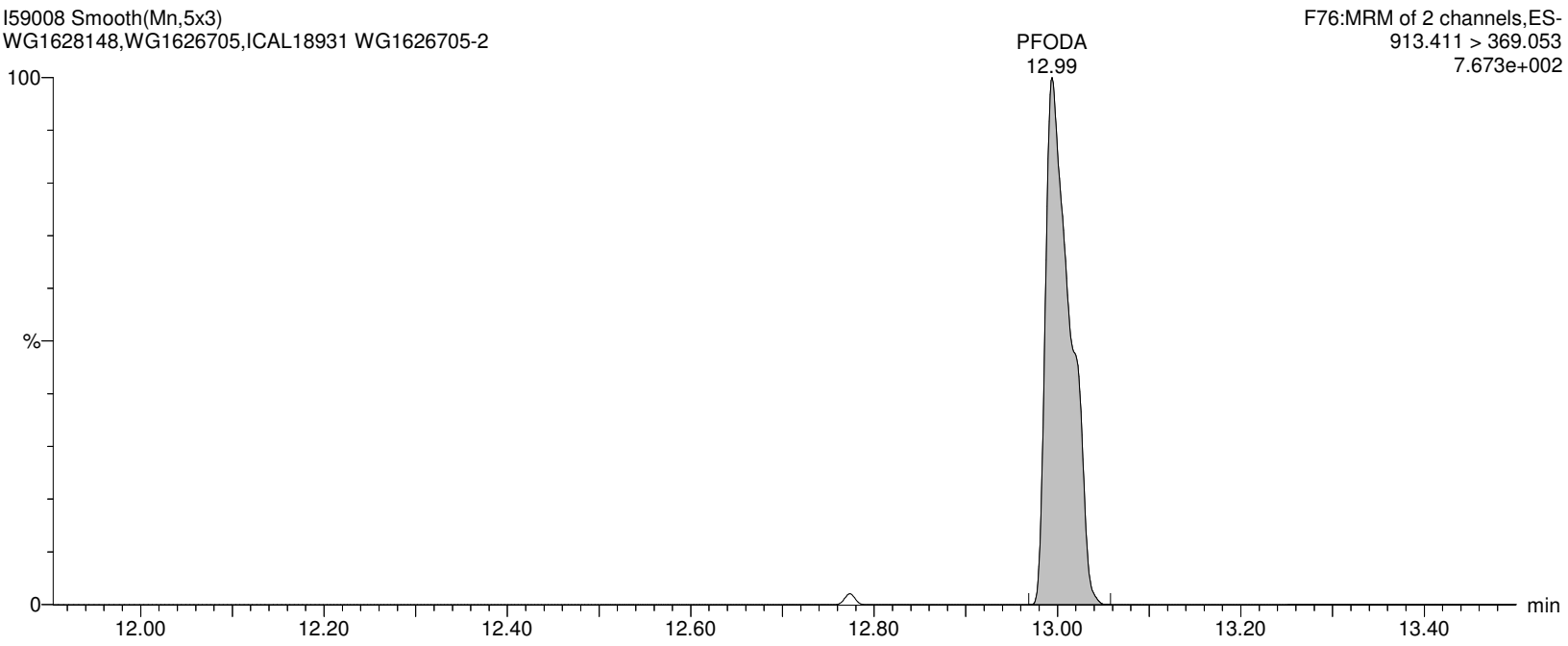
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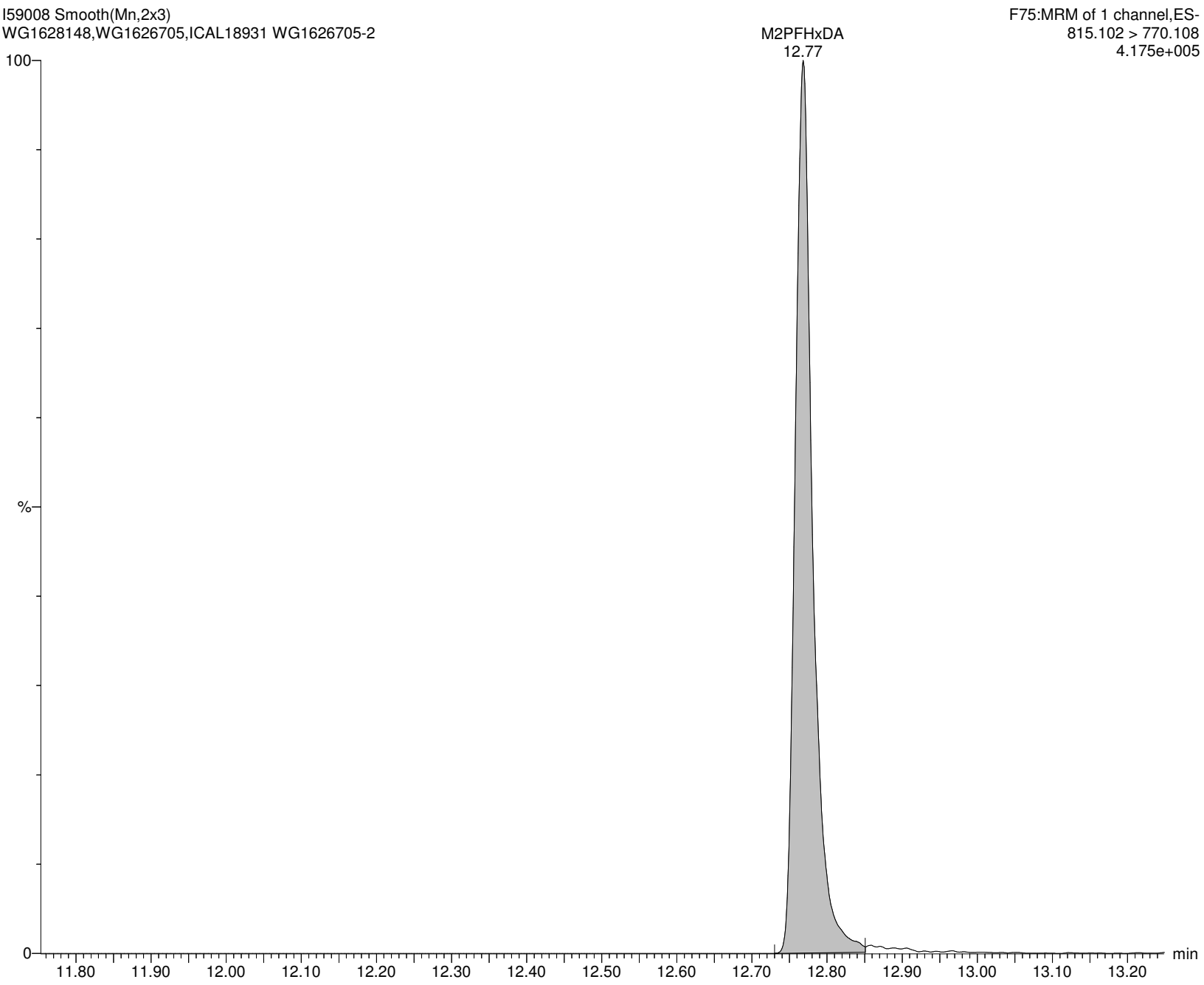


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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFHxDA



all concentration units in (ng/mL)

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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: WG1626705-3
Name: I59030
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	19383		9.197		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	25778		10.120		na	101.2
3	MPFBA	INT STD	2.12	217.001 > 171.999	24565		8.542		na	85.4
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	25325		9.642		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	34005		9.626		na	96.3
6	PFBS	375-73-5	5.65	299.092 > 80.062	9013		9.185	1.92	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	8868		8.972		na	96.3
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	5661		7.967	2.38	NO	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	6750		15.301		na	163.1
10	PFHxA	307-24-4	6.88	313.047 > 269.037	38566		9.115	16.60	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	43517		7.119		na	71.2
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	7420		7.684	2.41	NO	
13	PFHpA	375-85-9	8.16	363.055 > 319.045	52459		8.889	6.09	NO	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	58672		8.020		na	80.2
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	1058	M5,M7	1.448	1.97	NO	
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	5485		6.559	1.57	NO	
17	PFHxS	355-46-4		399.107 > 80.062	6543		8.007		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	8975		9.684		na	102.1
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	2189	M5	0.266	2.92	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	94290		11.450	8.96	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	96479		11.716		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	83661		8.477		na	84.8
23	M2PFOA	INT STD	9.11	414.828 > 369.935	91236		13.990		na	139.9
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	3208		8.449	3.13	NO	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	3739		9.428		na	99.1
26	PFHpS	375-92-8	9.20	449.115 > 80.062	4862		8.339	1.30	NO	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	54435		8.684	3.65	NO	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	73604		7.986		na	79.9
29	br-PFOS	1763-23-1	9.67	498.9030 > 79.9520	3765	M5,M7	2.898	4.36	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	8279		8.247	1.80	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	12044		11.145		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	9426		14.450		na	144.5
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	11204		9.241		na	96.4
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	57749		8.716	6.34	NO	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	76729		14.294		na	142.9
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	71004		7.758		na	77.6
37	8:2FTS	39108-34-4	10.49	526.6490 > 506.7500	3898		8.479	2.64	NO	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	2266		8.575		na	89.3
39	PFNS	68259-12-1	10.53	549.131 > 80.062	3865		7.320	1.53	NO	

all concentration units in (ng/mL)

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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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ID: WG1626705-3
Name: I59030
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	3039		8.023		na	80.2
41	br-NMeFOSAA		10.72	570.202 > 419.061	299	M5,M7	2.178	0.83	NO	
42	L-NMeFOSAA		10.88	570.202 > 419.061	2023		5.334	1.58	NO	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	2322		7.512		na	
44	PFUnA	2058-94-8	11.05	562.5852 >518.8544	56438		9.103	10.89	NO	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	40954		7.522		na	75.2
46	PFDS	335-77-3	11.06	599.139 > 80.062	3949		7.429	1.71	NO	
47	FOSA	754-91-6	10.89	498.146 > 78.07	2385	M7	8.270	155.51	YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	4164		1.628		na	16.3
49	br-NEtFOSAA		11.03	584.229 > 419.061	169	M5,M7	2.114	0.53	NO	
50	L-NEtFOSAA		11.18	584.229 > 419.061	1453		6.254	1.16	NO	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	1622		8.368		na	
52	d5-NEtFOSAA	INT STD	11.16	589.259 > 419.061	2303	M4	7.287		na	72.9
53	PFDoA	307-55-1	11.53	613.094 > 569.084	24062		8.103	23.95	NO	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	26561		7.678		na	76.8
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	20673		8.240	9.75	NO	
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	34588		8.927	8.86	NO	
57	M2PFTEDA	INT STD	12.33	714.5214 > 669.7984	58070		7.948		na	79.5

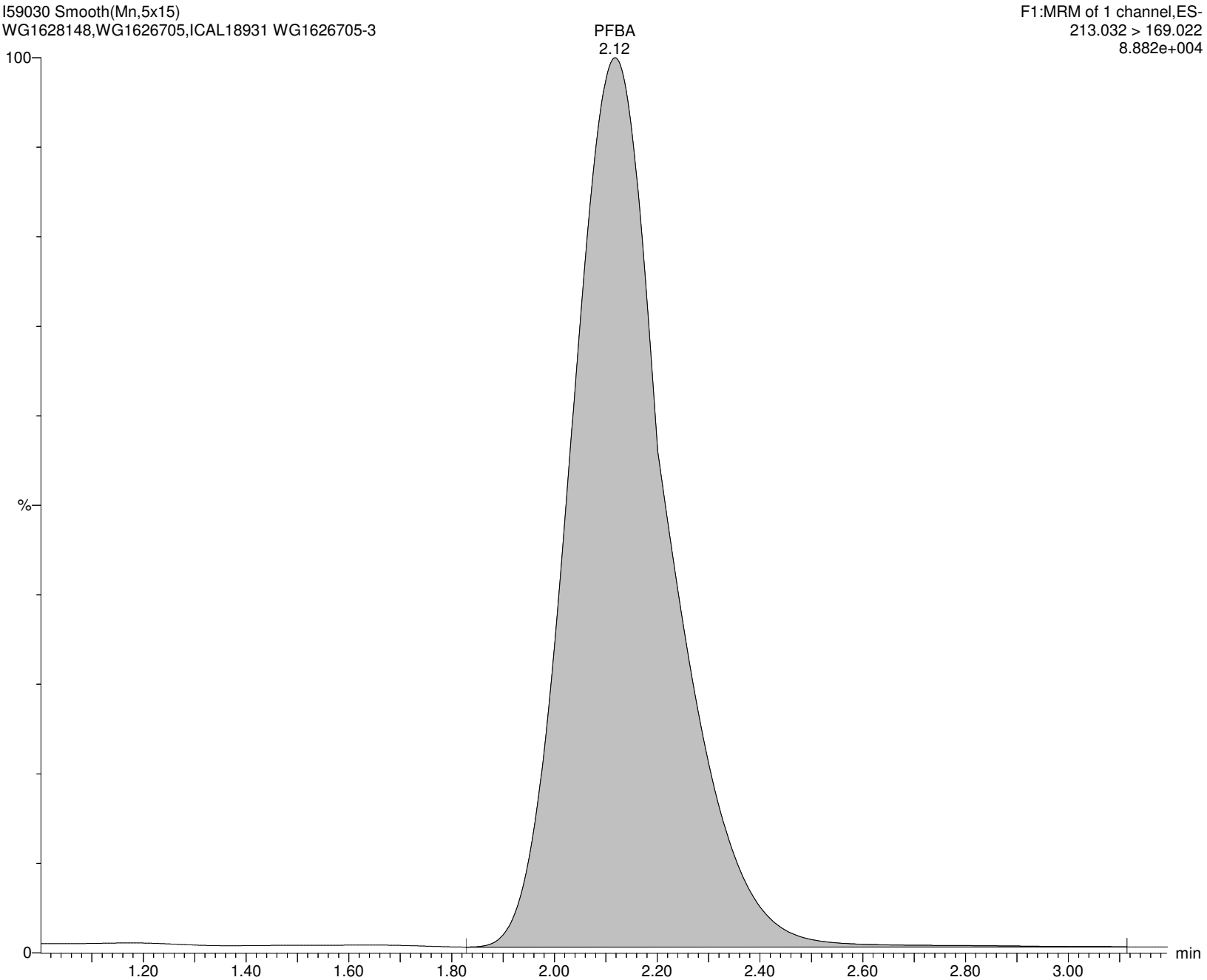
all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2022\220417_537ISO.PRO\MethDB\537ISO_220413_TOP.mdb 13 Apr 2022 20:51:35
Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

Name: I59030
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Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,7
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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PFBA

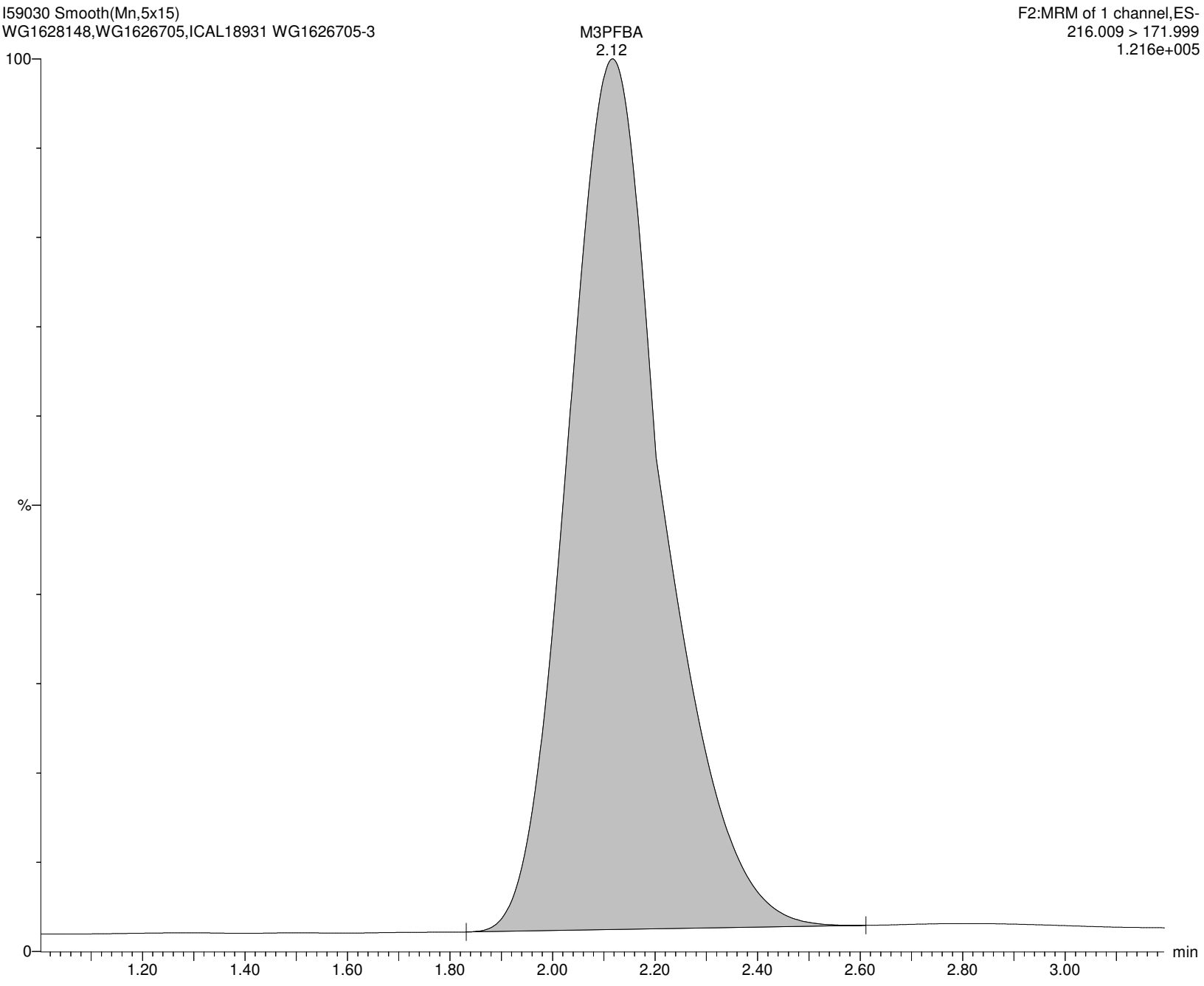


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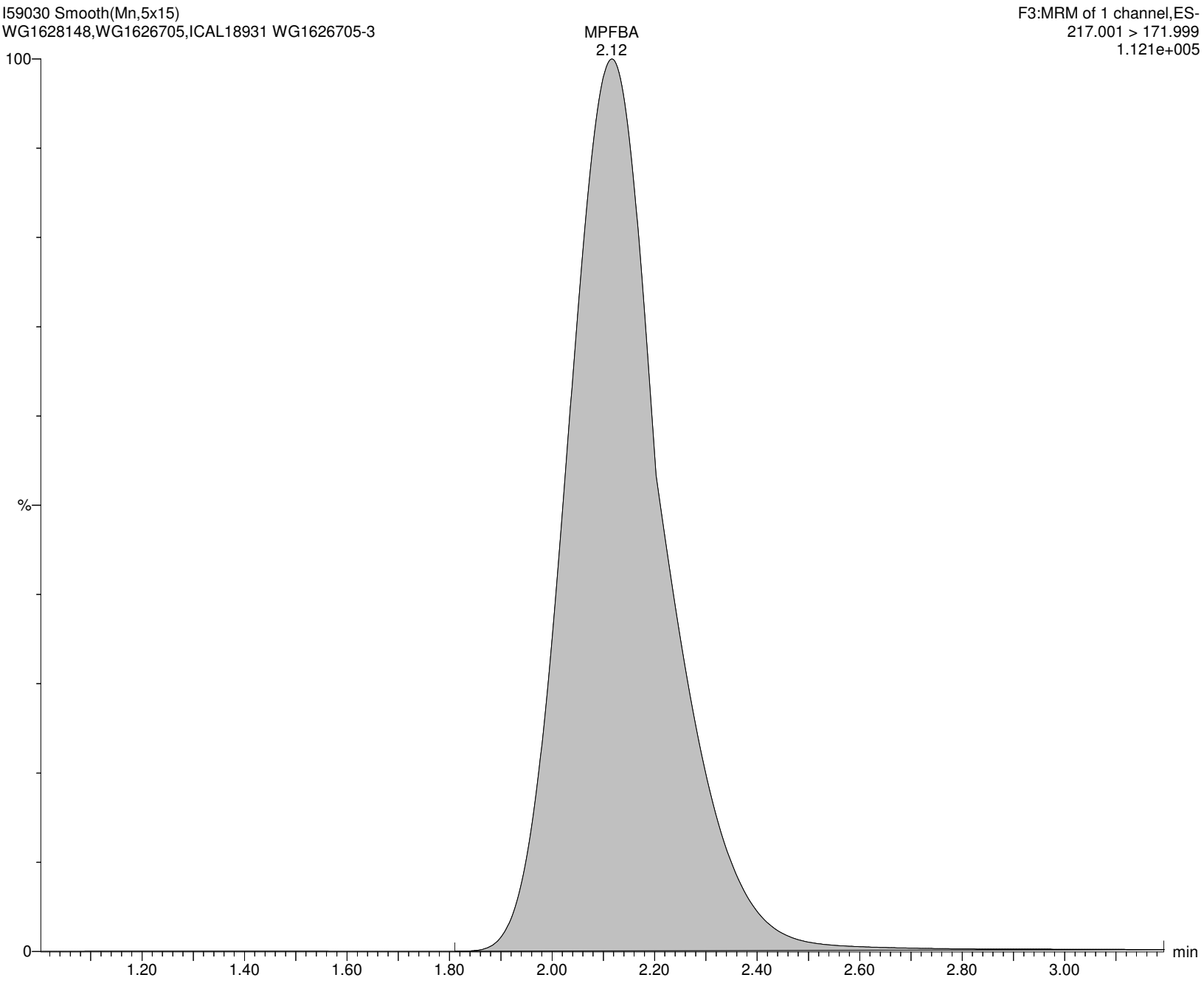


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MPFBA

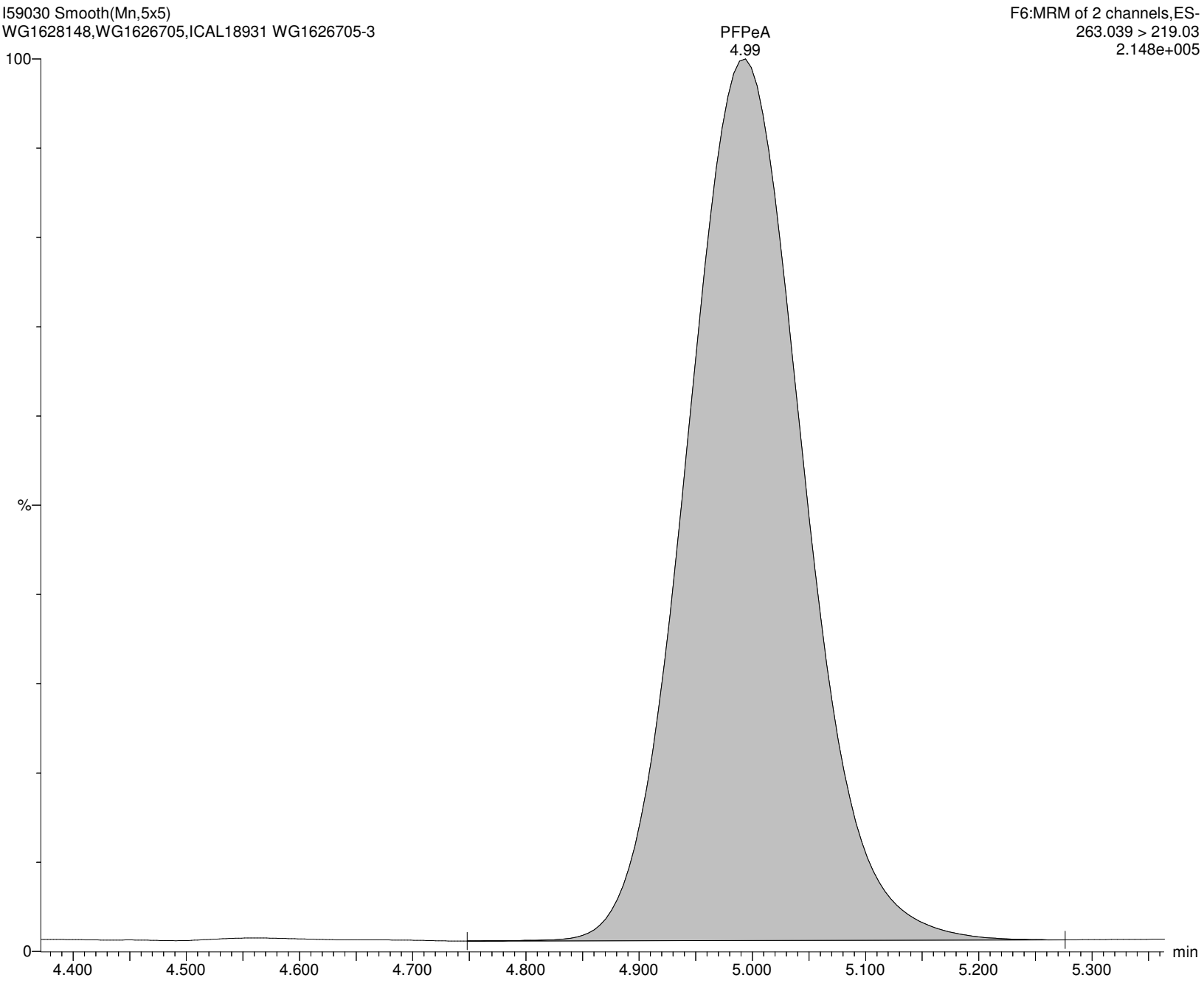


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PFPeA

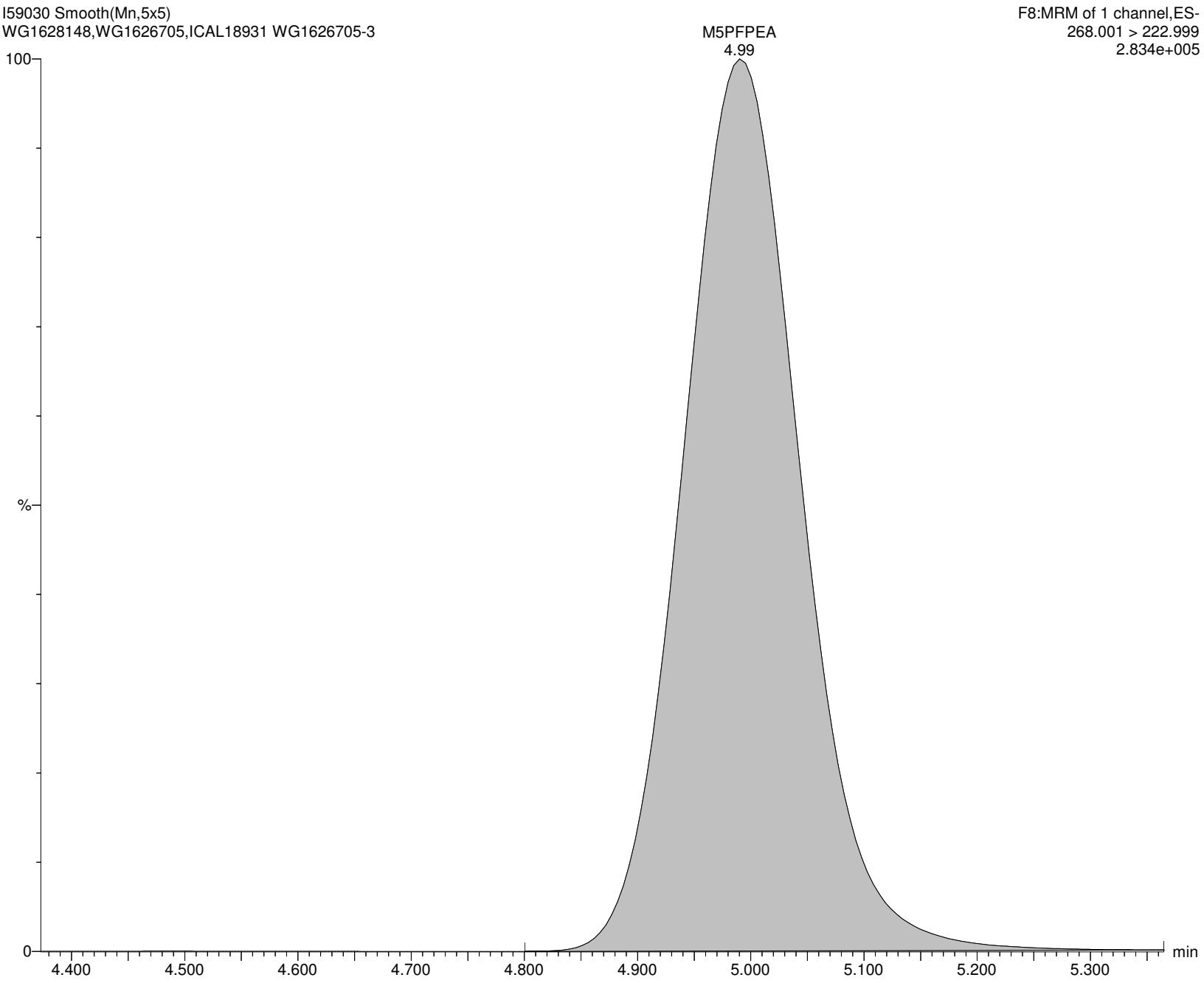


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M5PFPEA

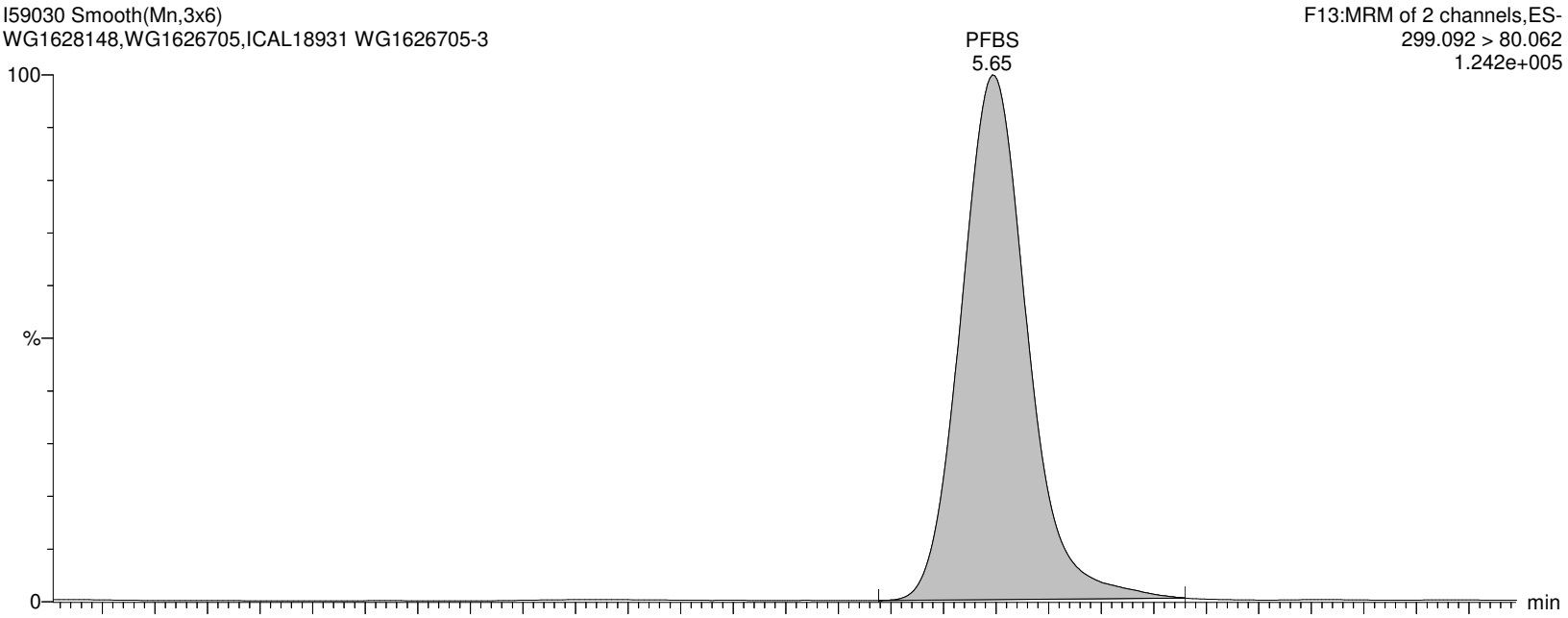


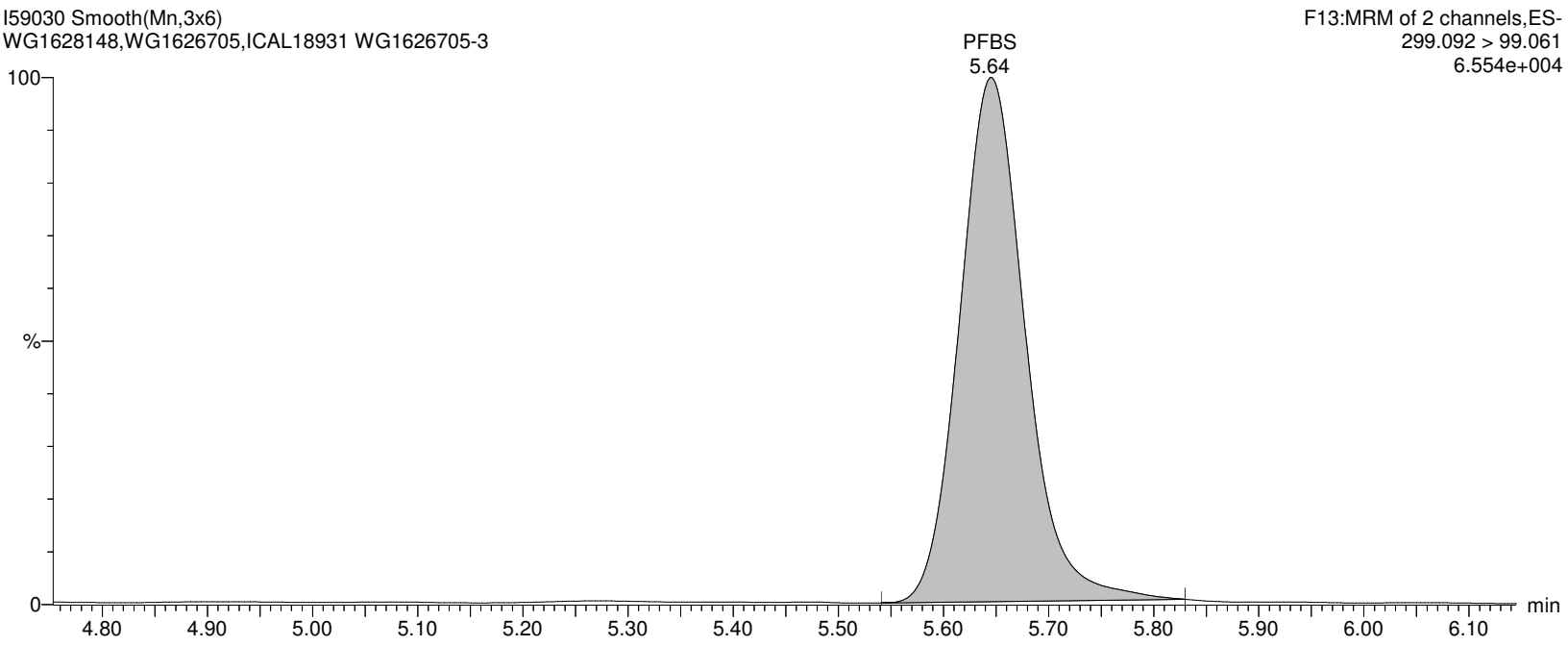
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PFBS



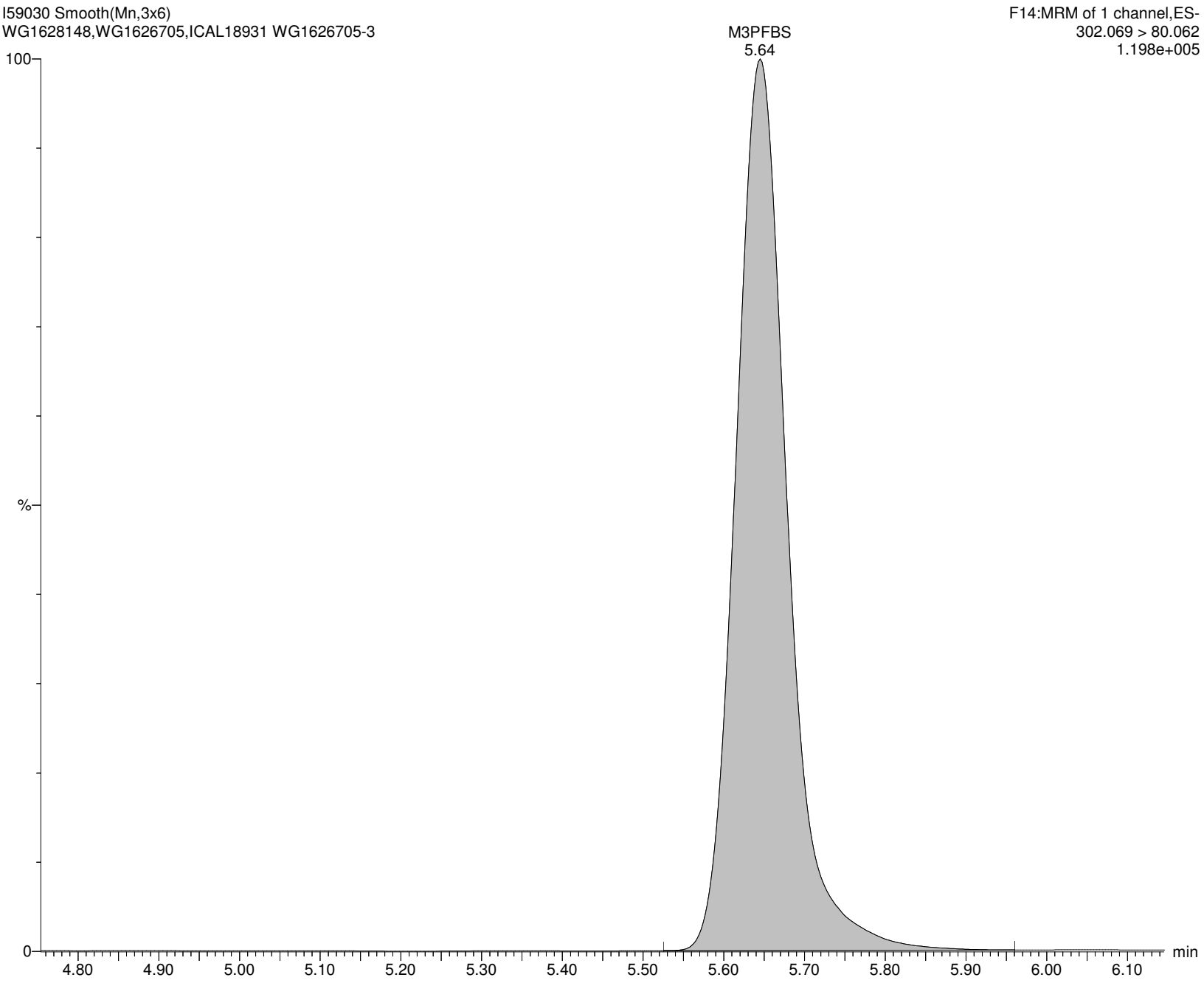


all concentration units in (ng/mL)

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M3PFBS

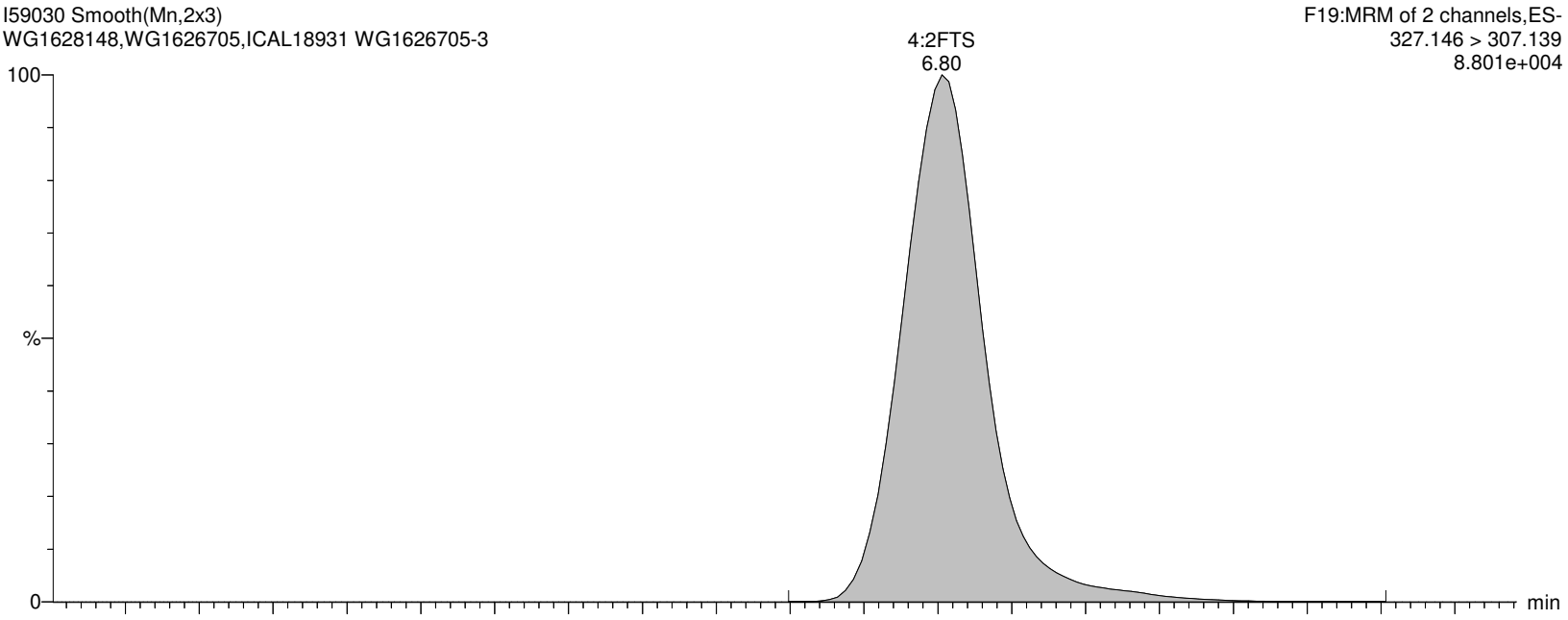


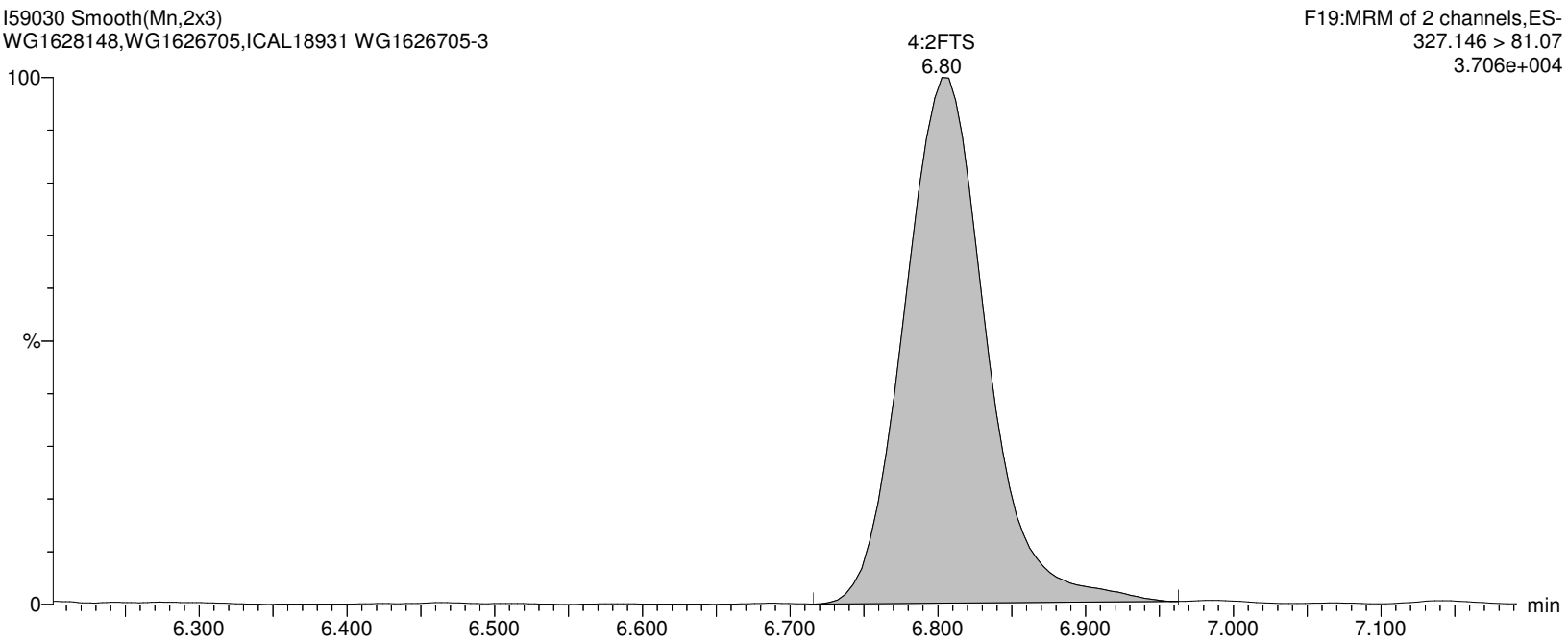
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:13 Eastern Daylight Time

Name: I59030
ID: WG1626705-3
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,7
Instrument: XEVO-TQSmicro#QEB0050
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4:2FTS



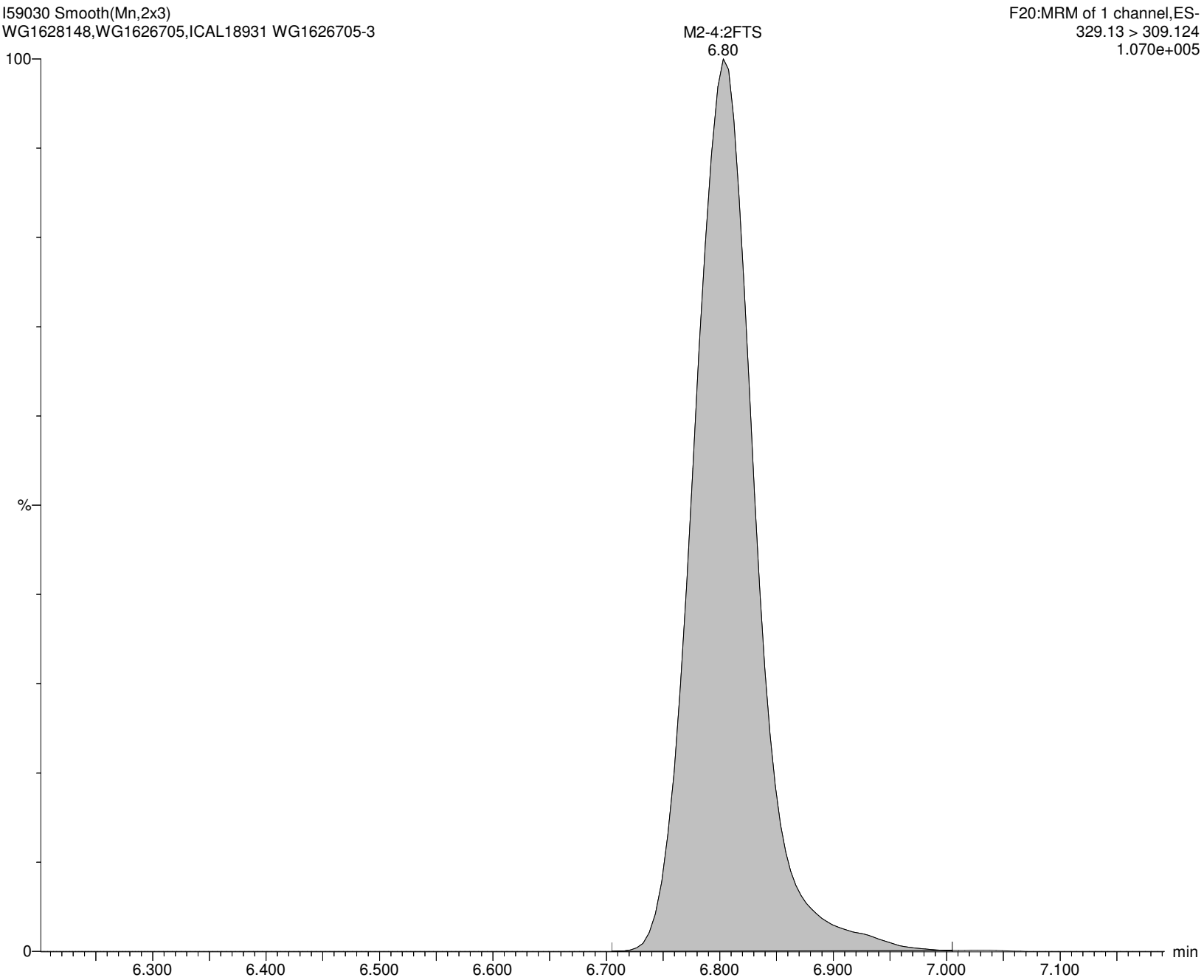


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M2-4:2FTS

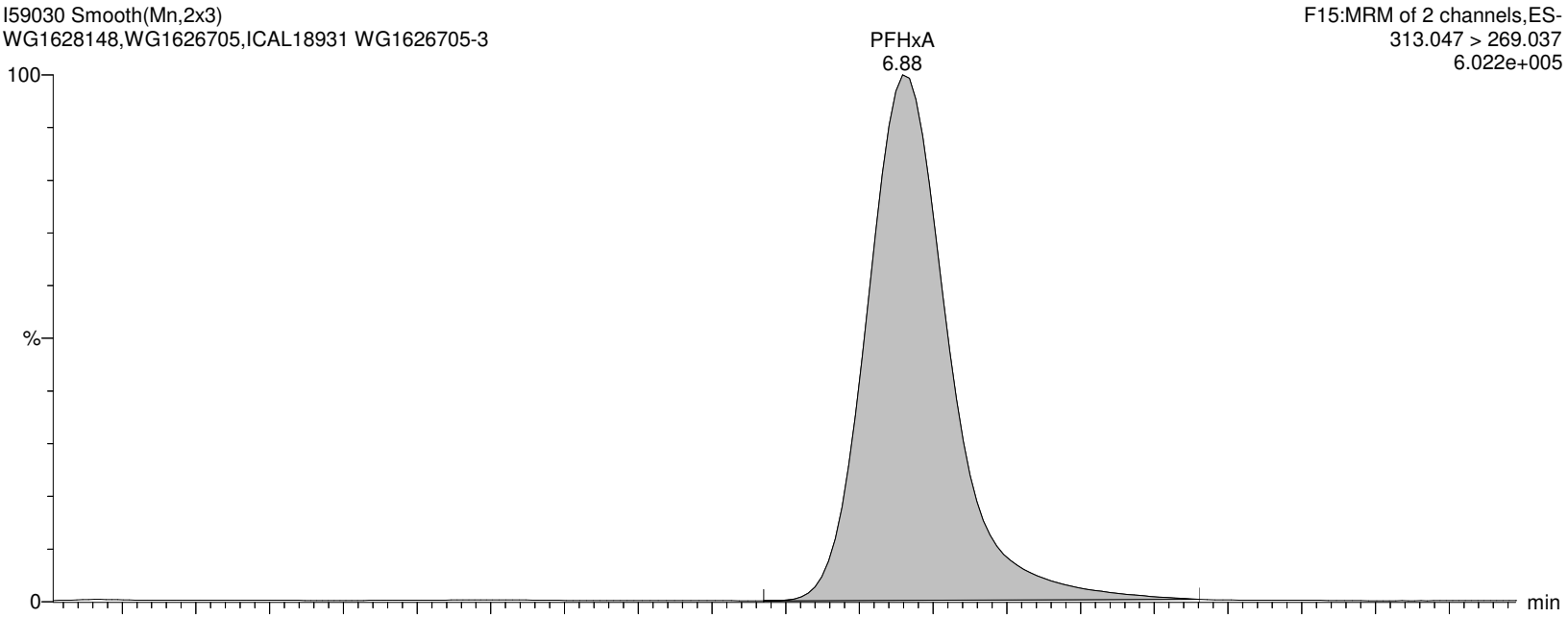


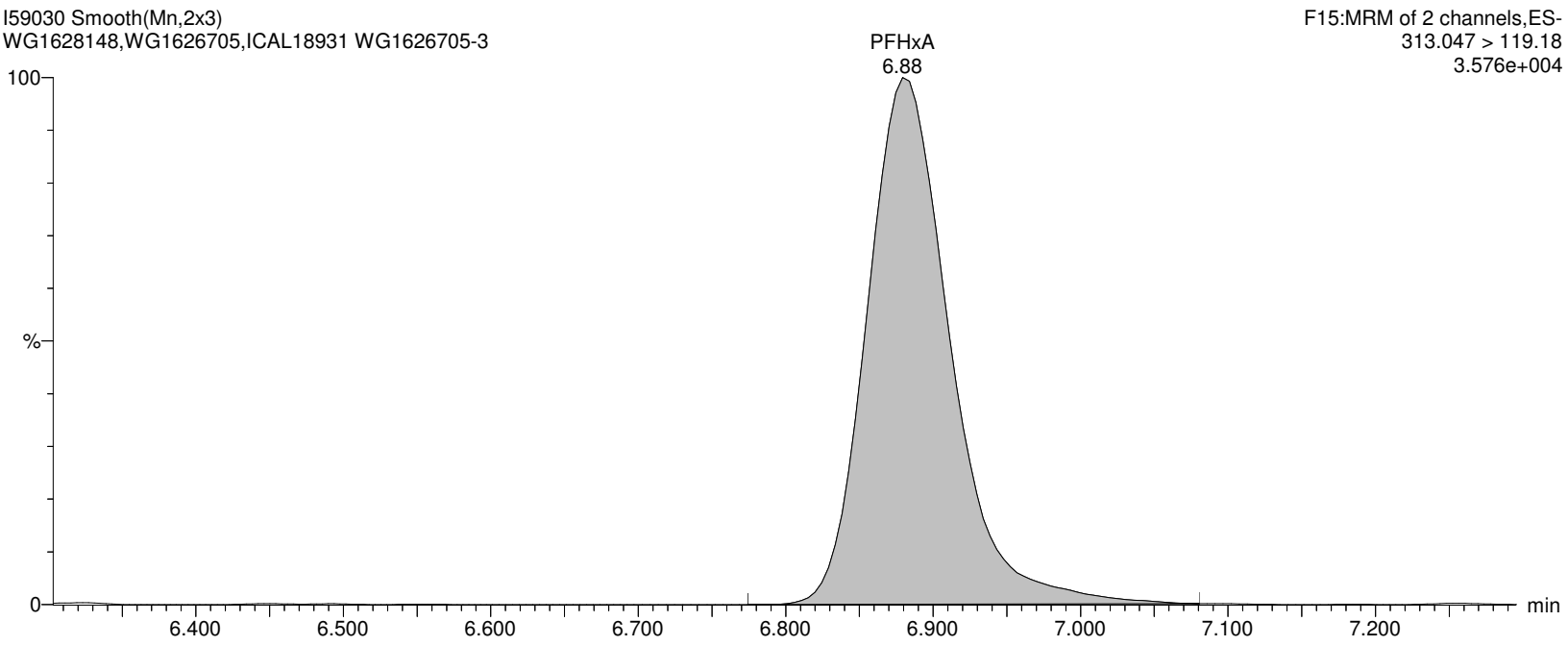
all concentration units in (ng/mL)

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PFHxA



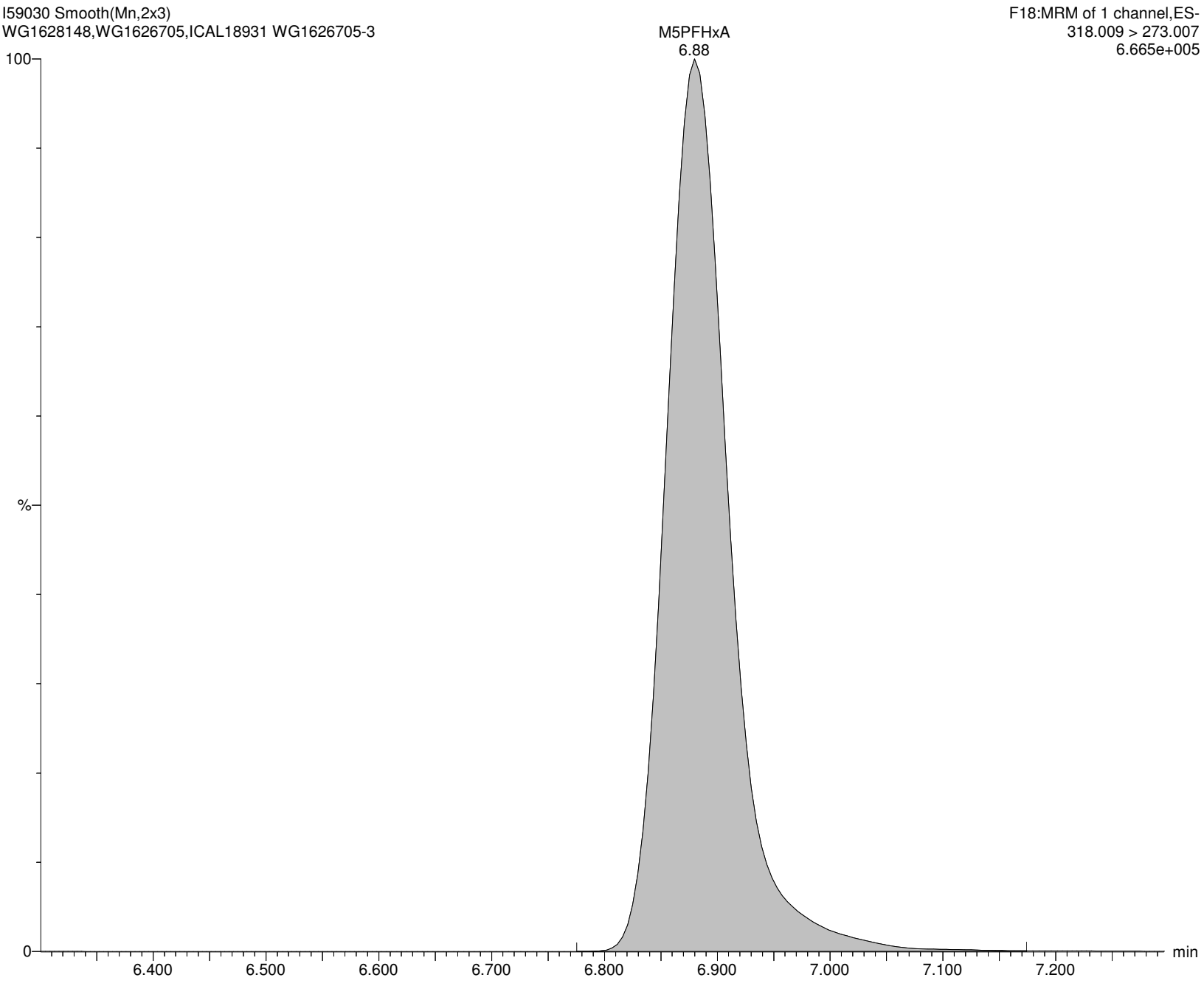


all concentration units in (ng/mL)

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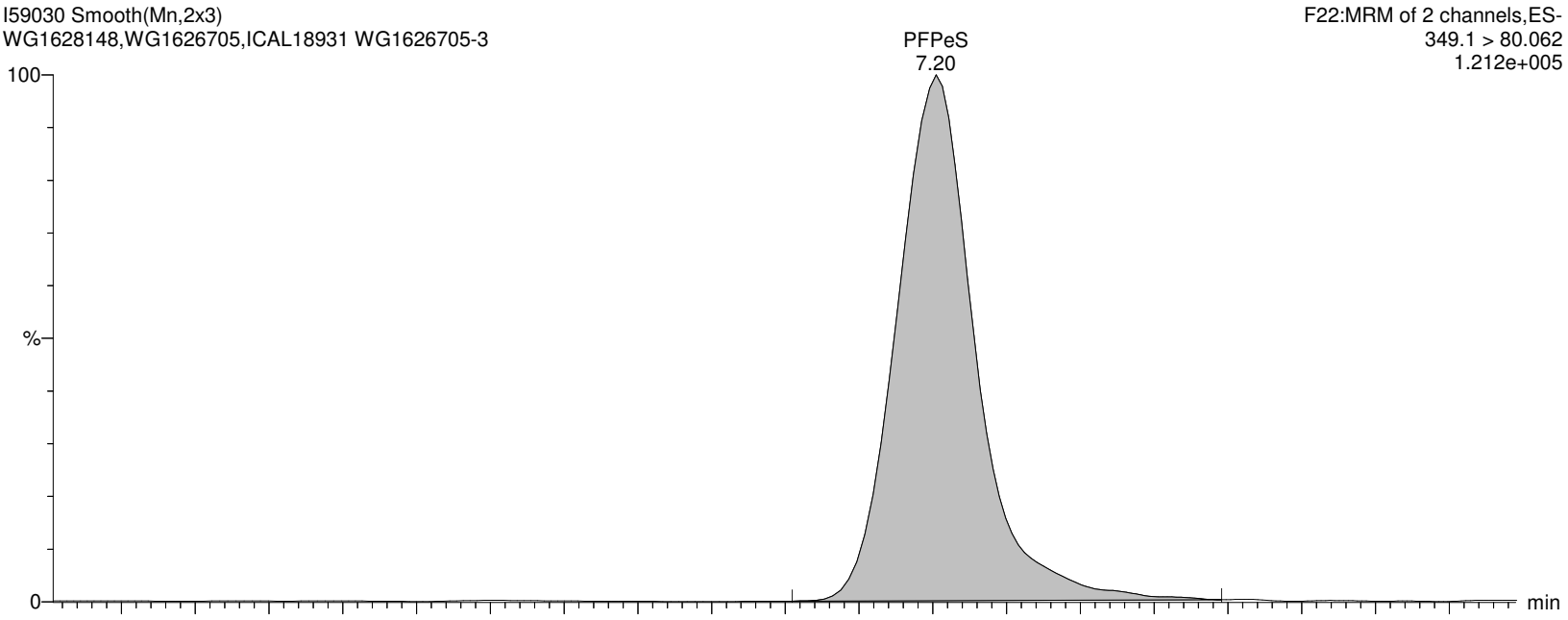


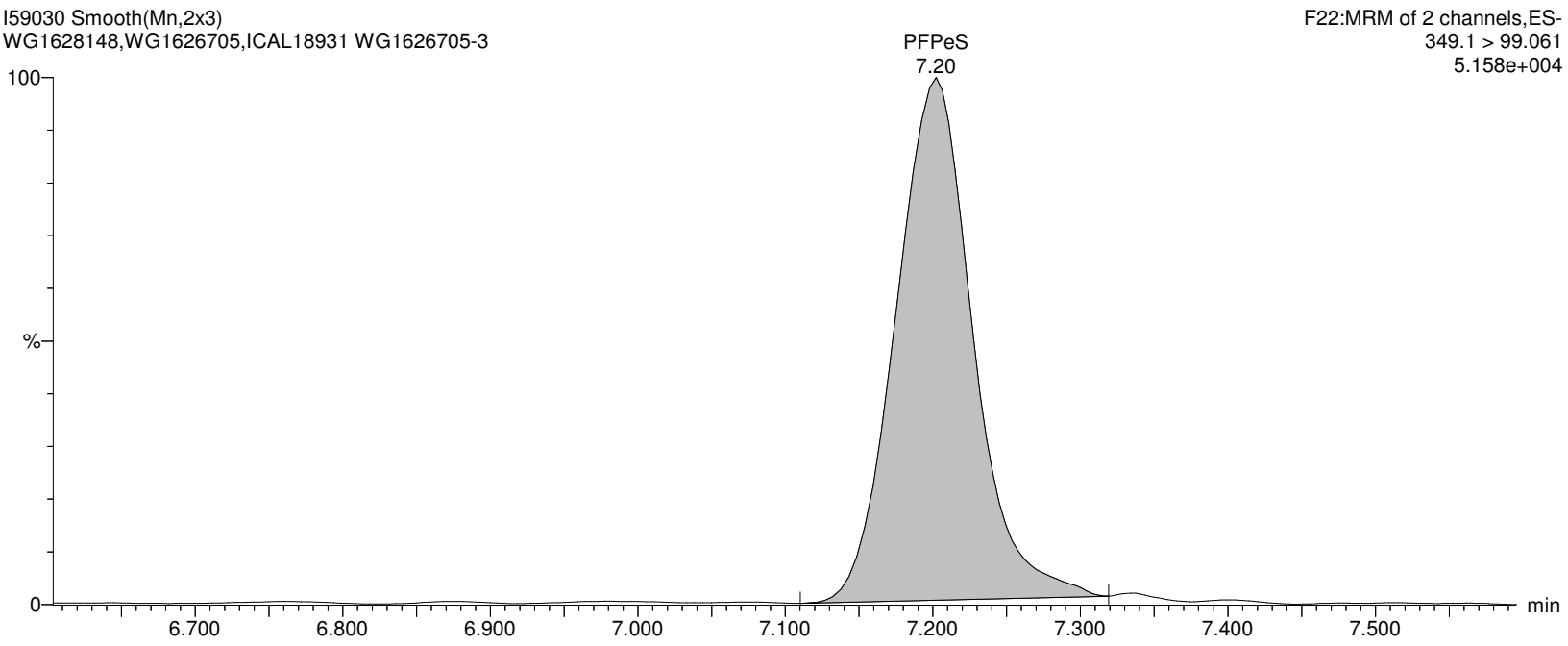
all concentration units in (ng/mL)

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PFPeS



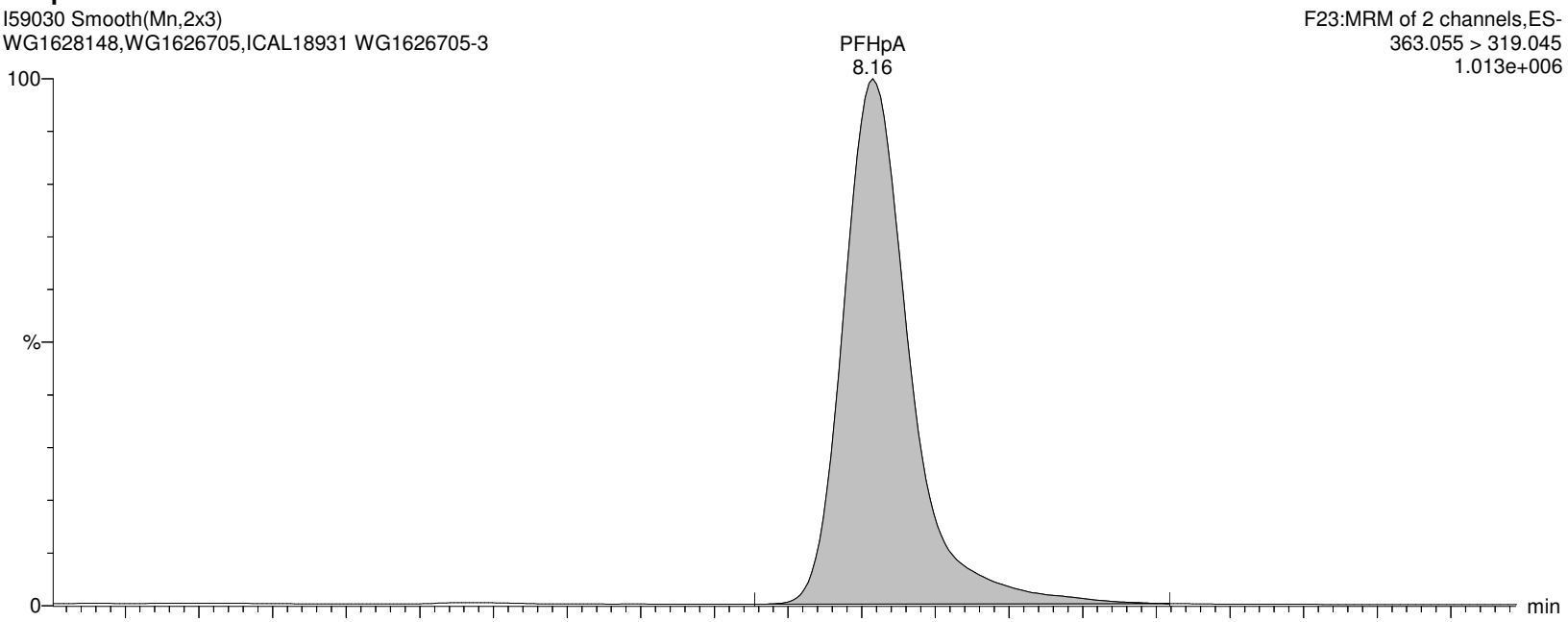


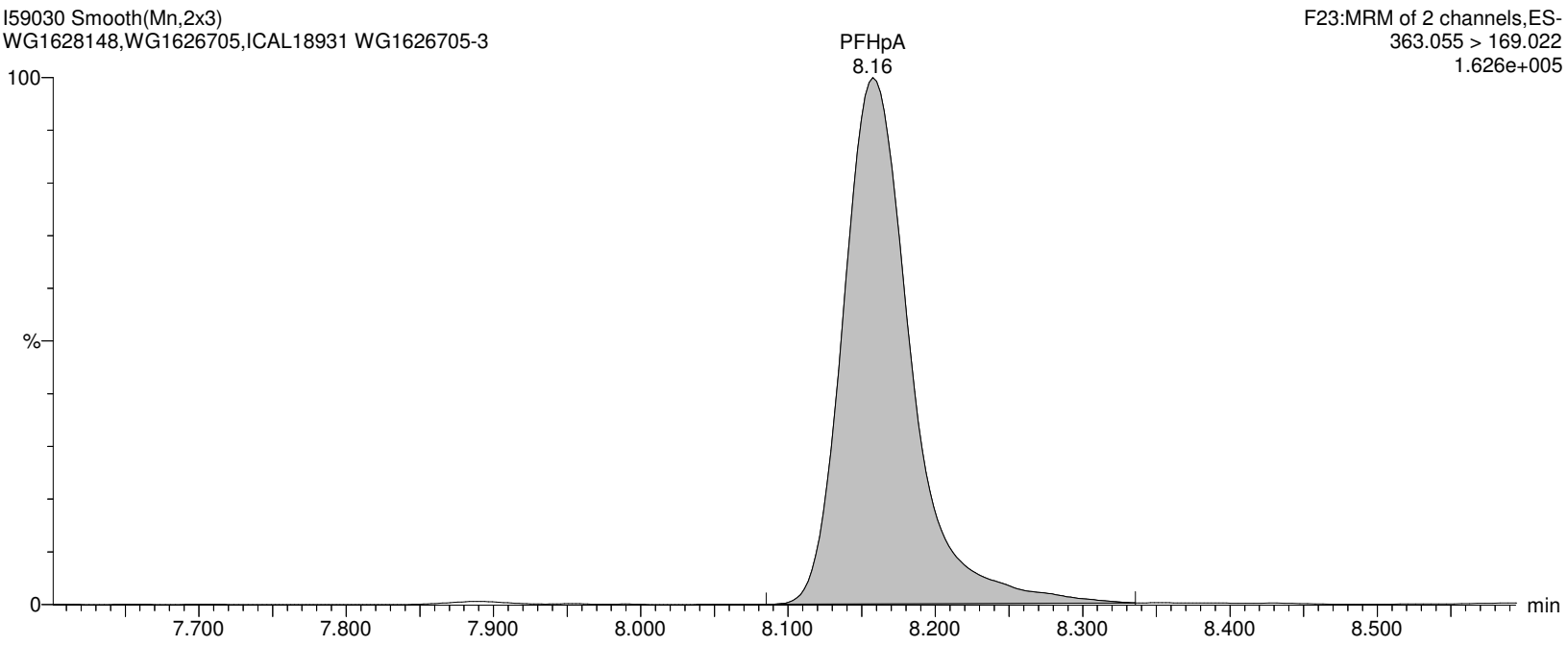
all concentration units in (ng/mL)

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PFHpA



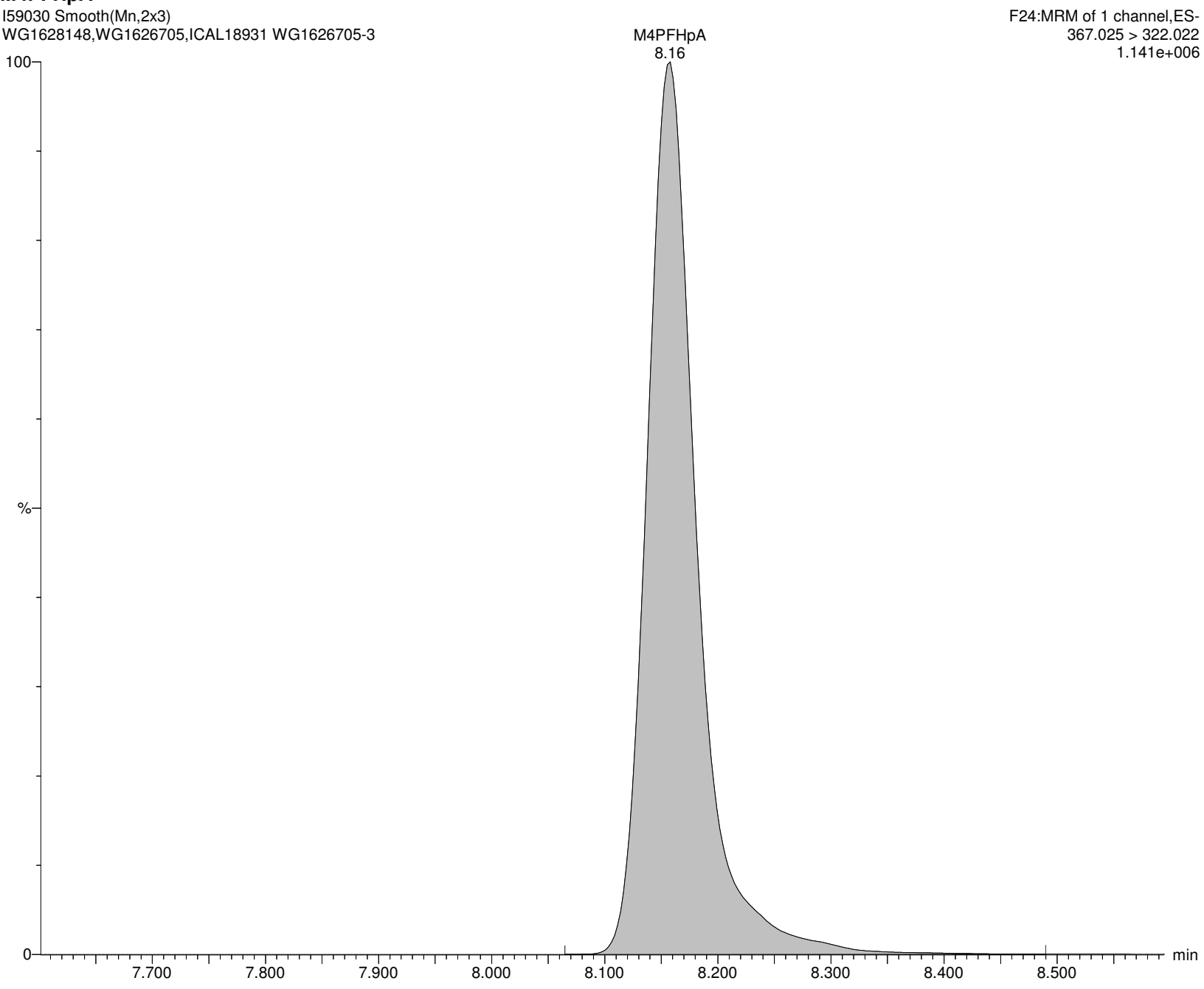


all concentration units in (ng/mL)

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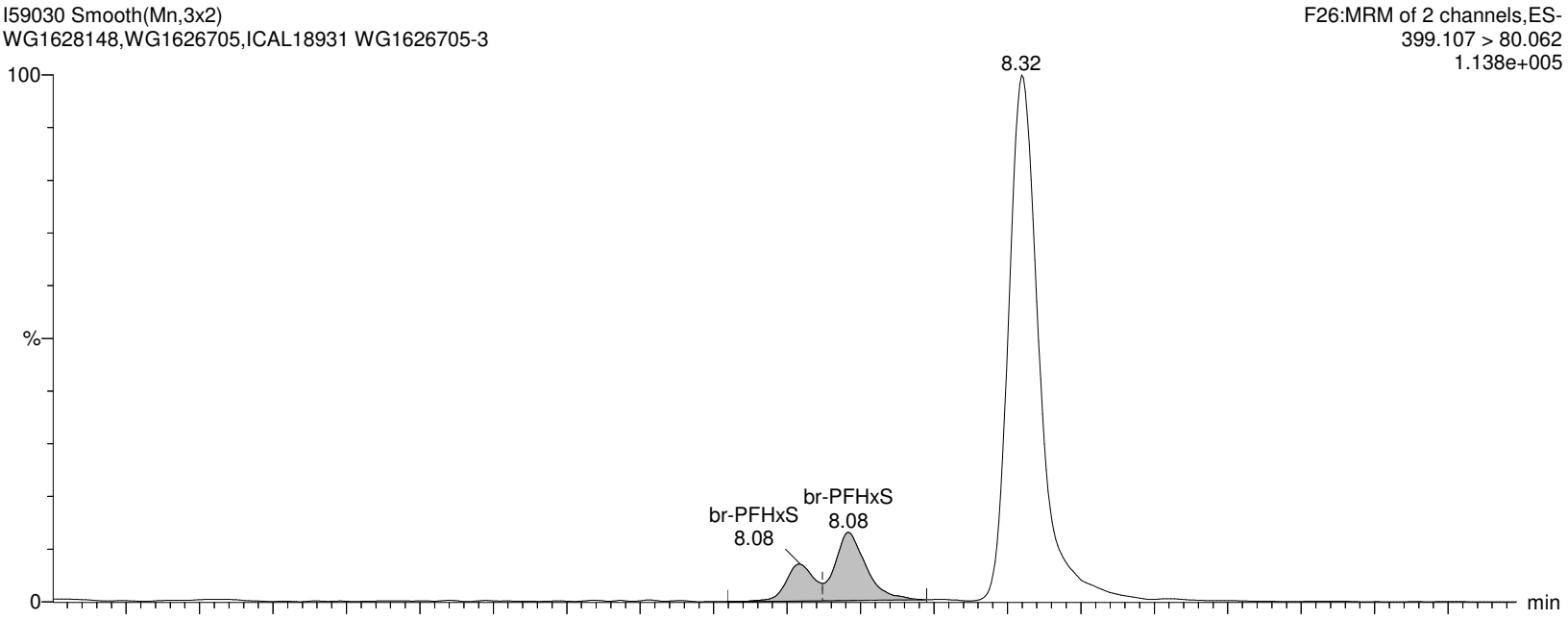


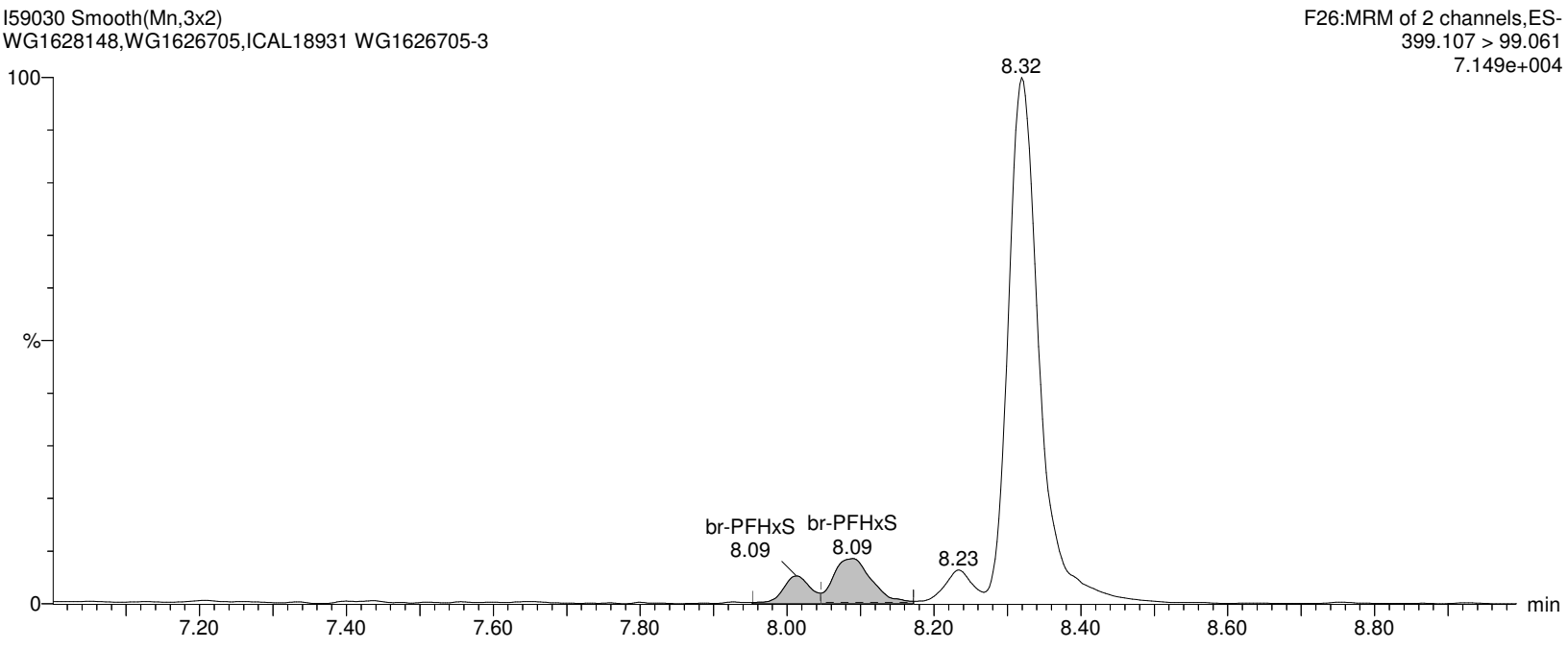
all concentration units in (ng/mL)

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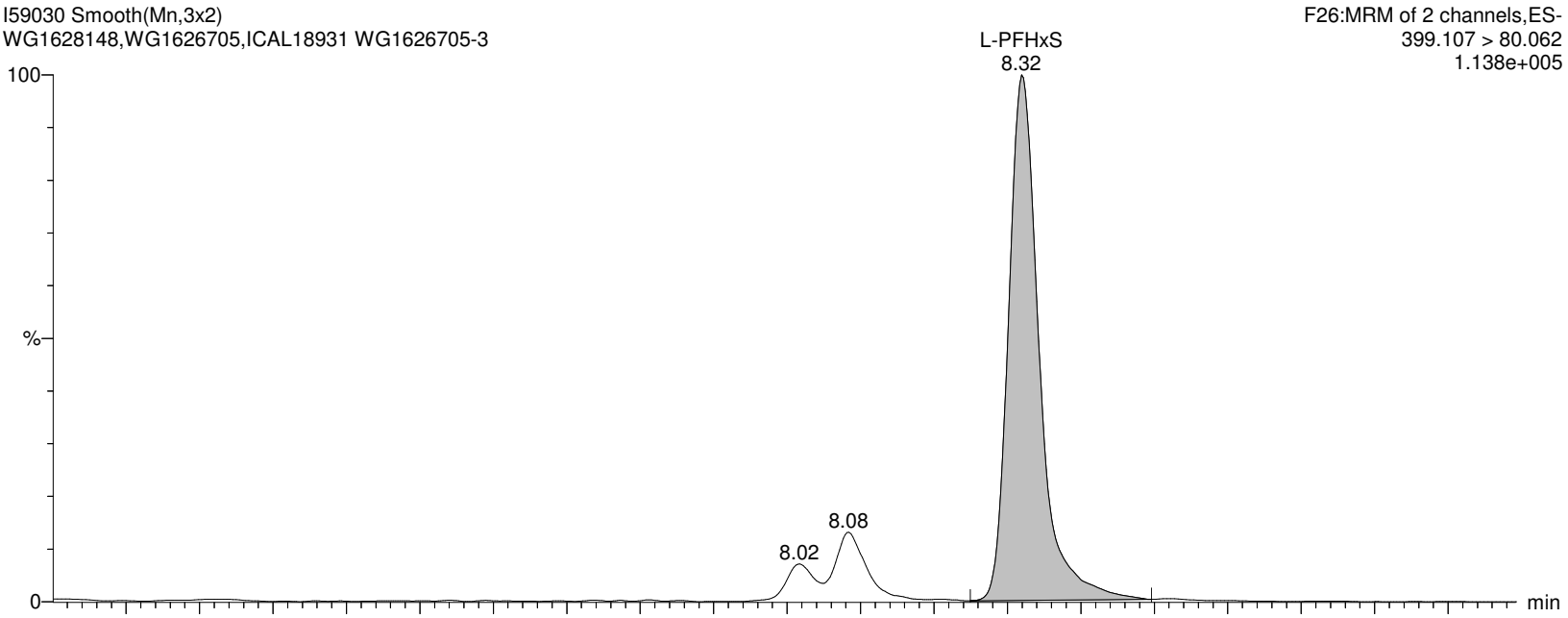


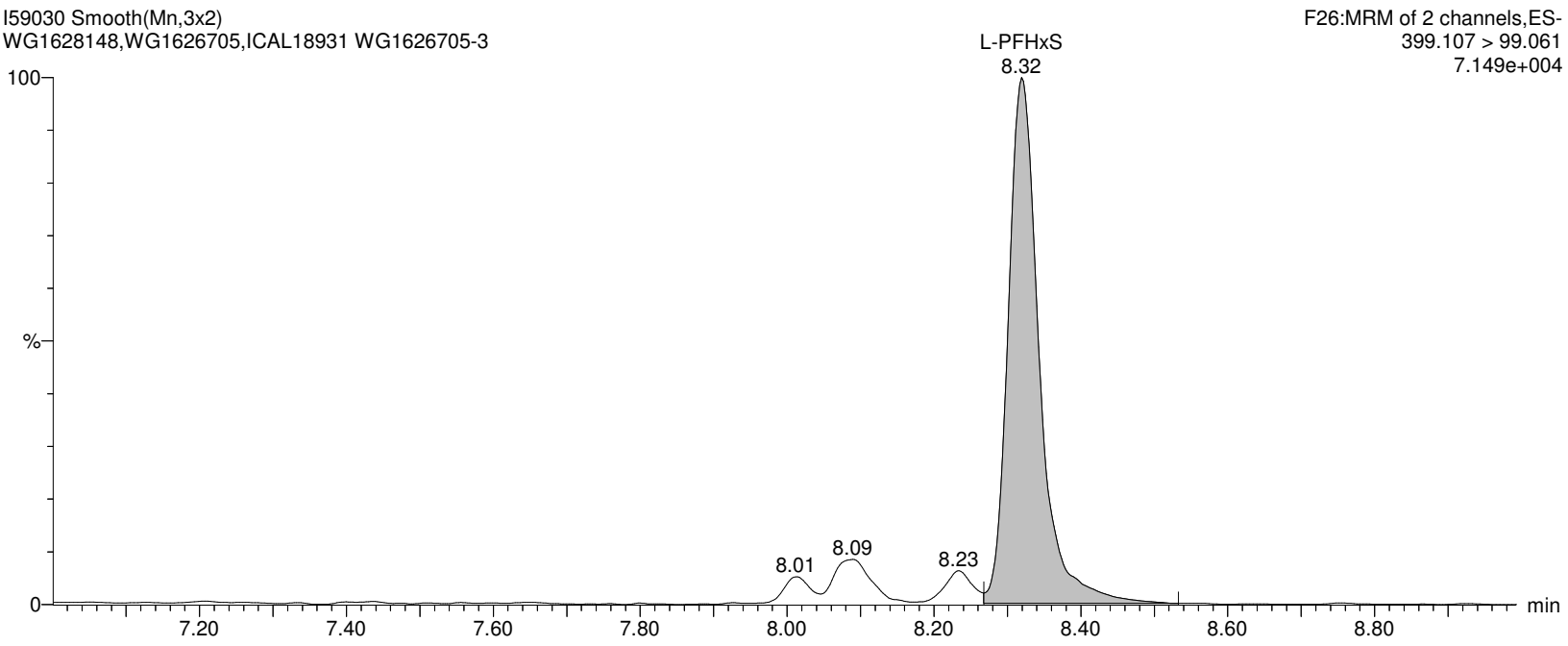
all concentration units in (ng/mL)

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L-PFHxS



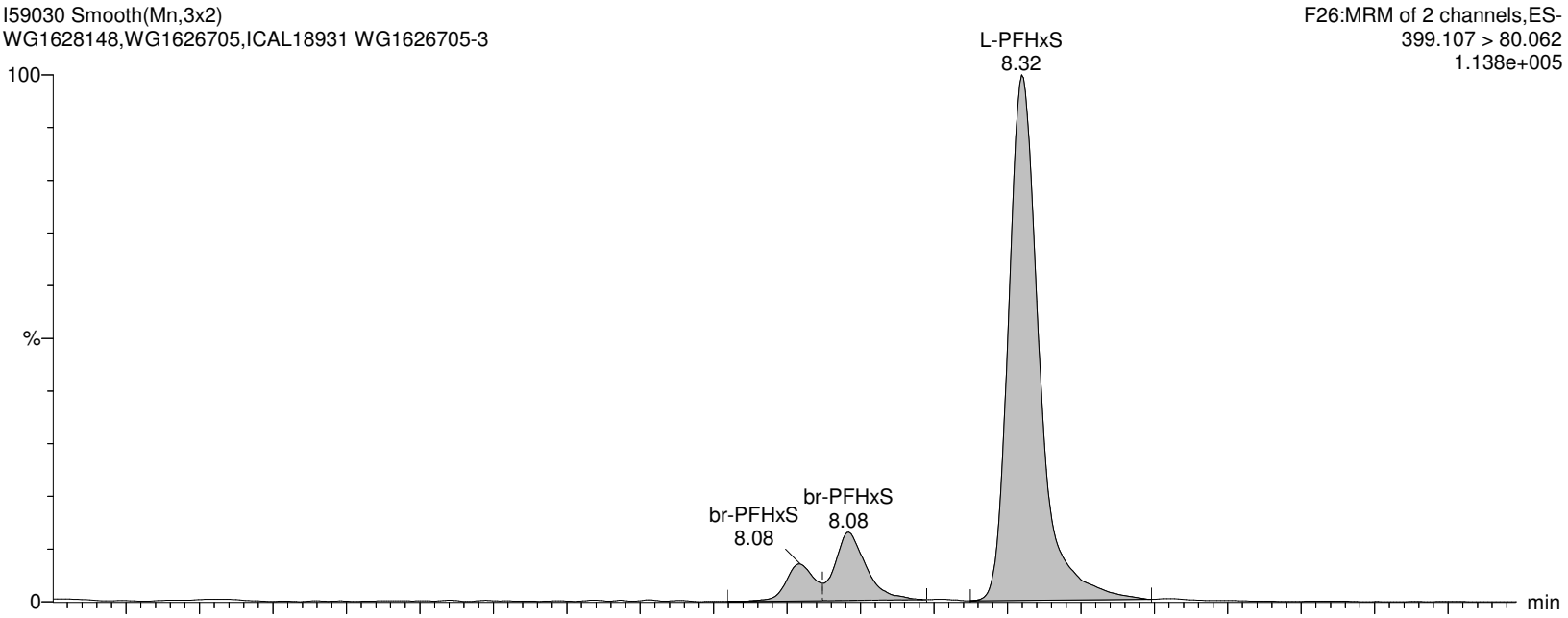


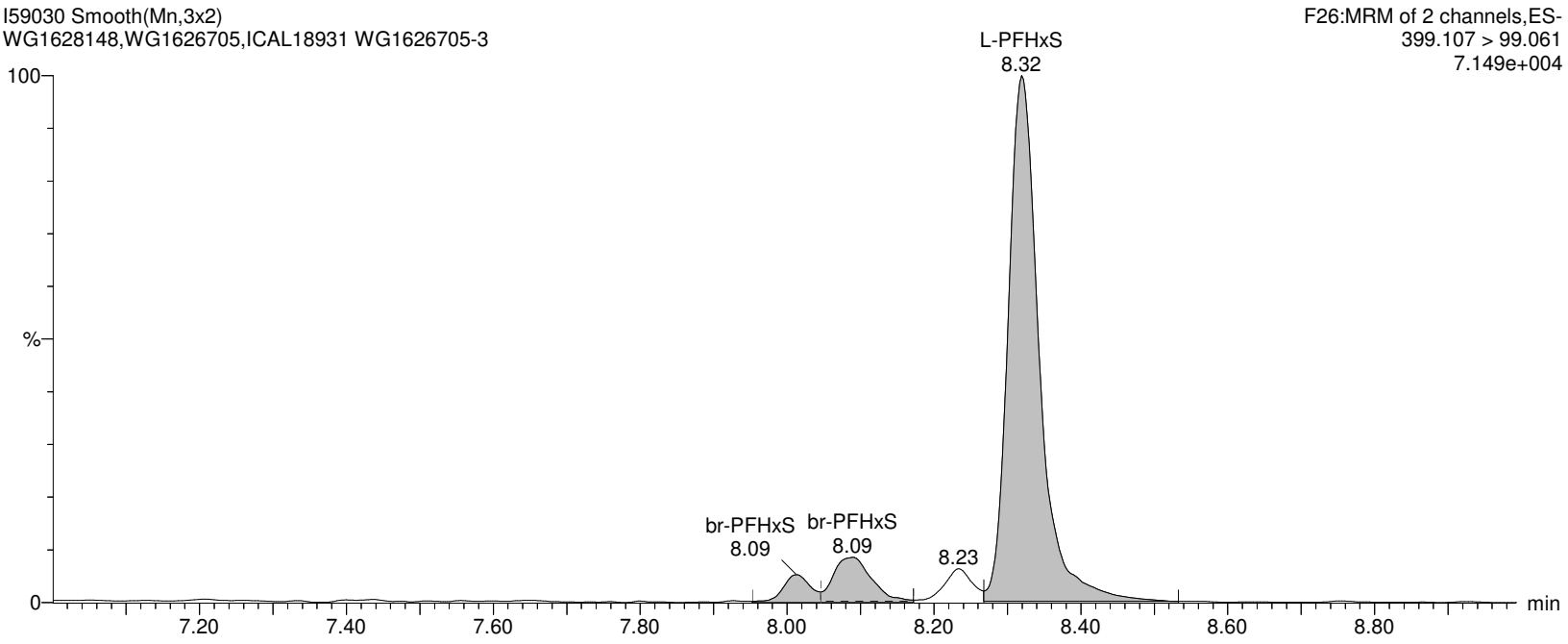
all concentration units in (ng/mL)

Alpha Analytical Inc.
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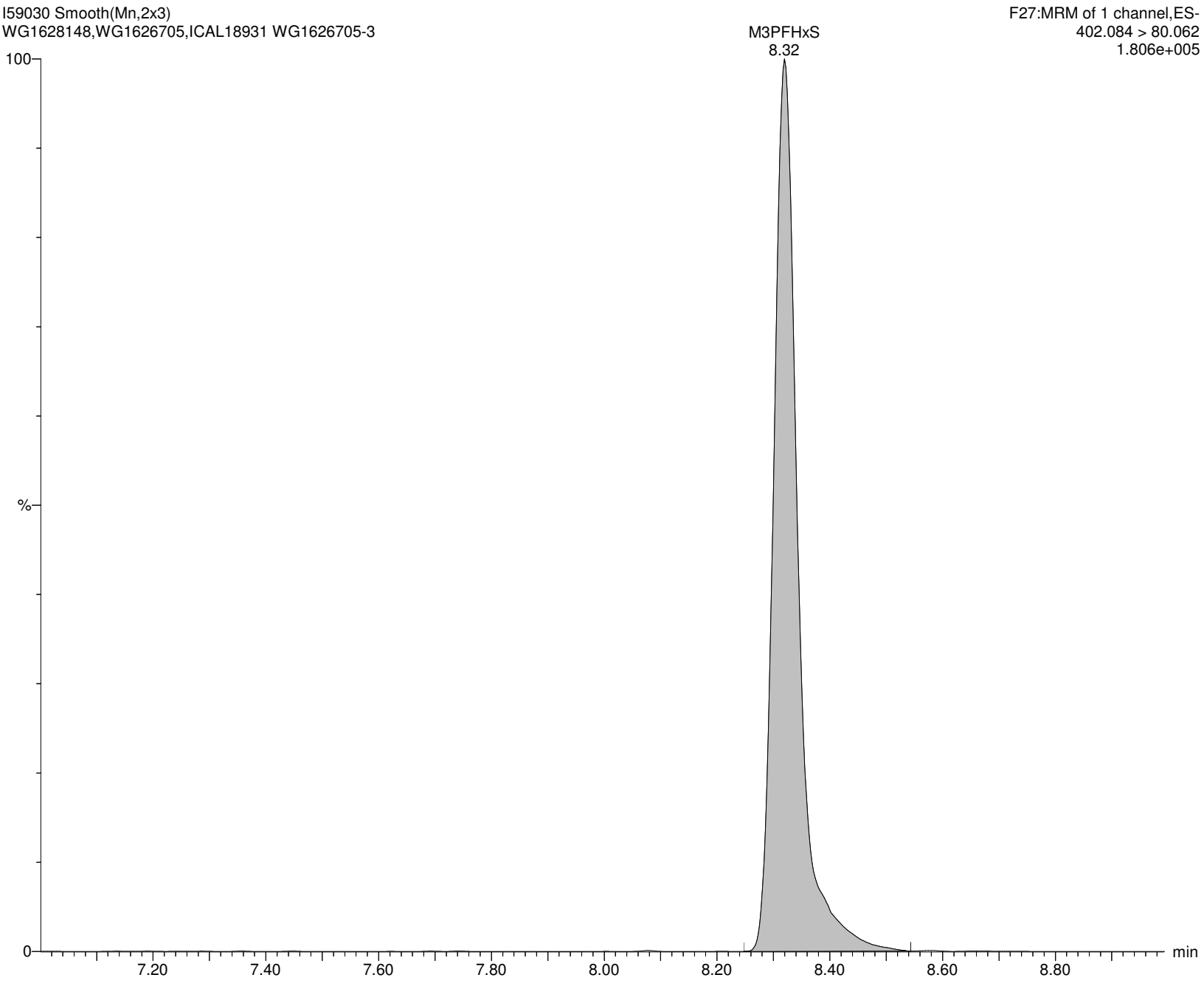


all concentration units in (ng/mL)

Alpha Analytical Inc.
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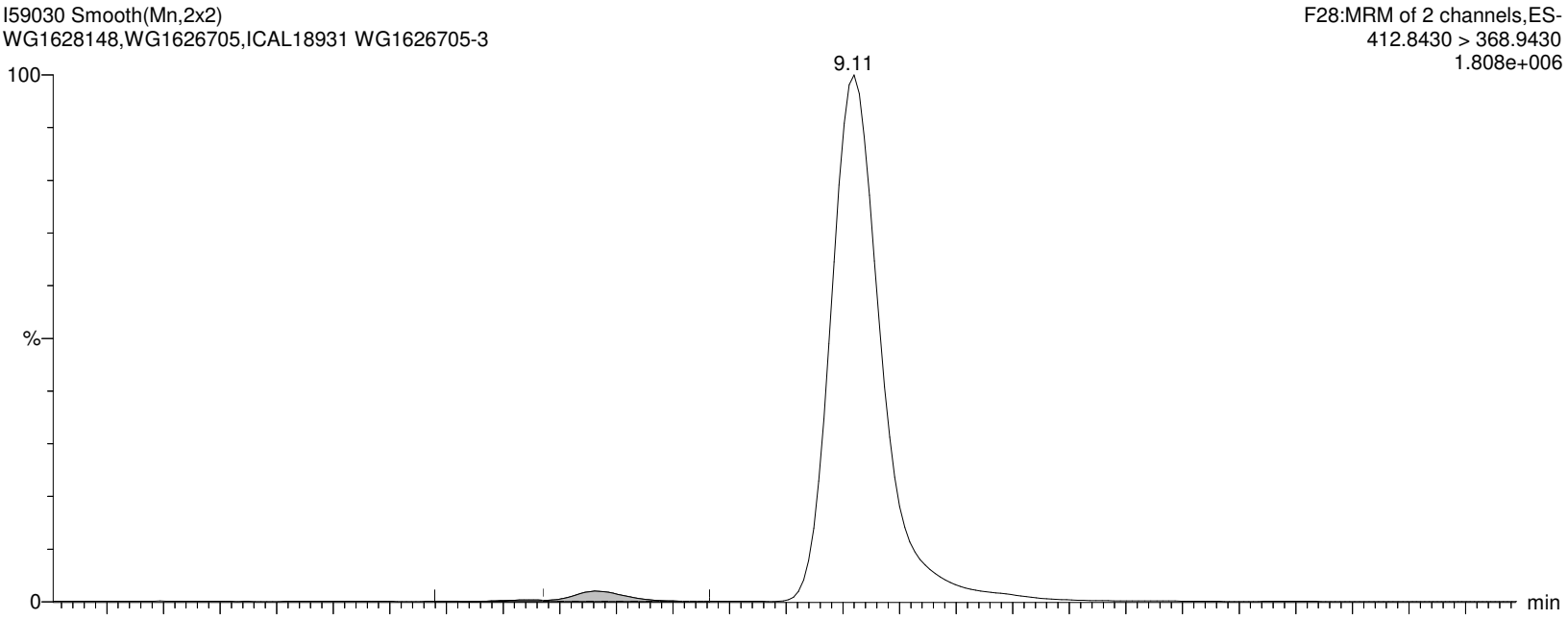


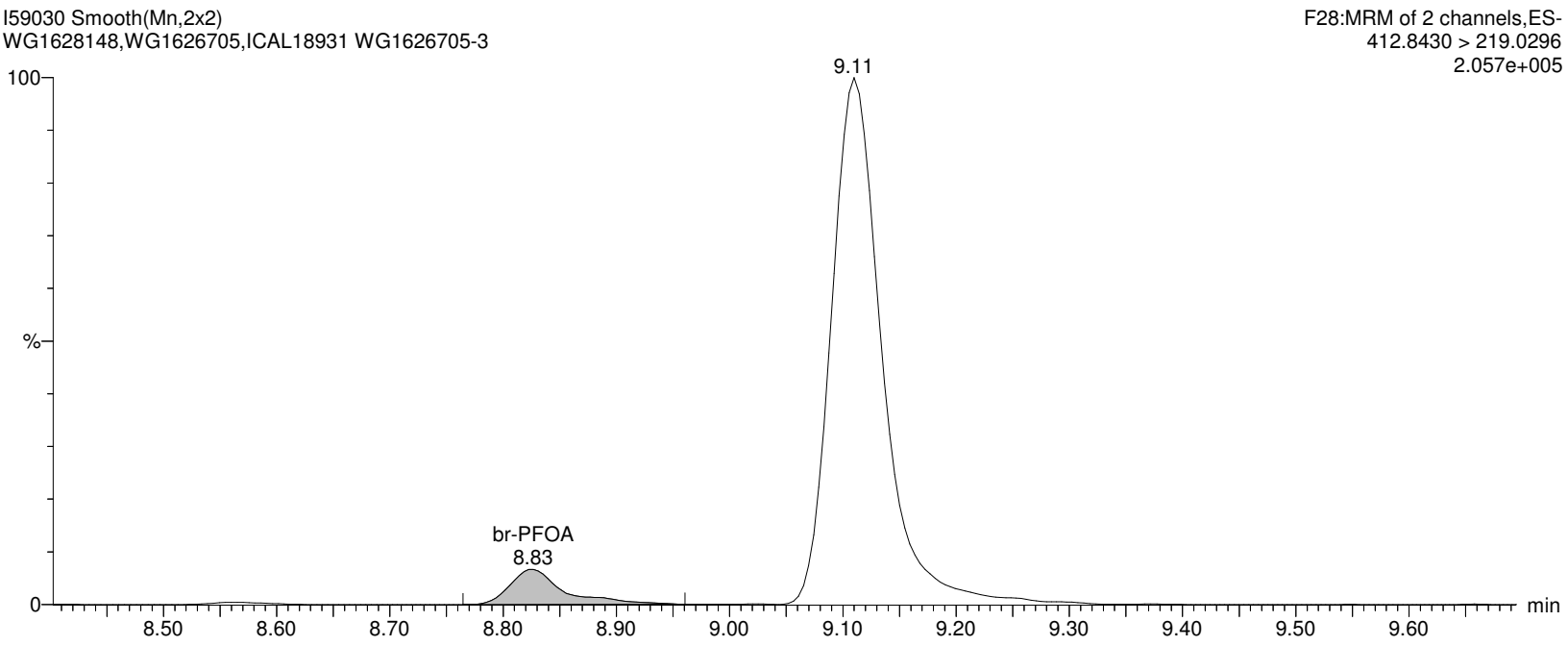
all concentration units in (ng/mL)

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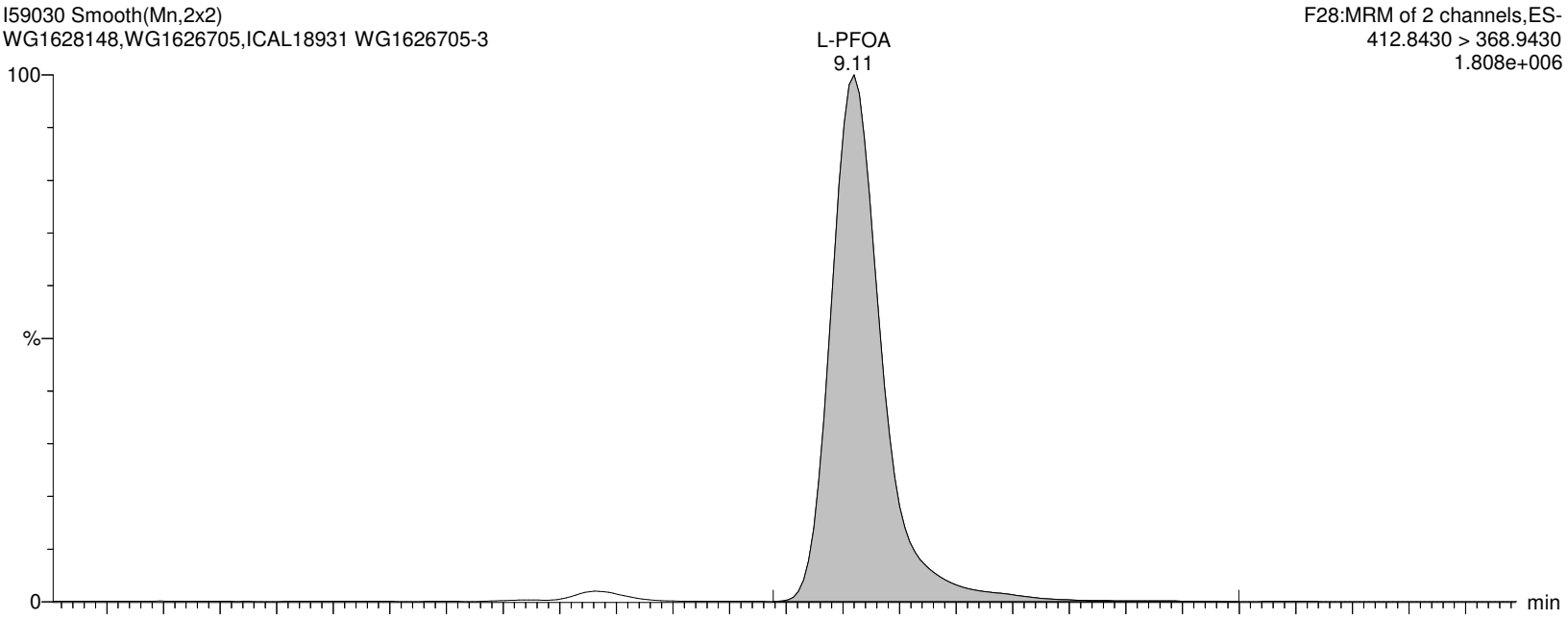


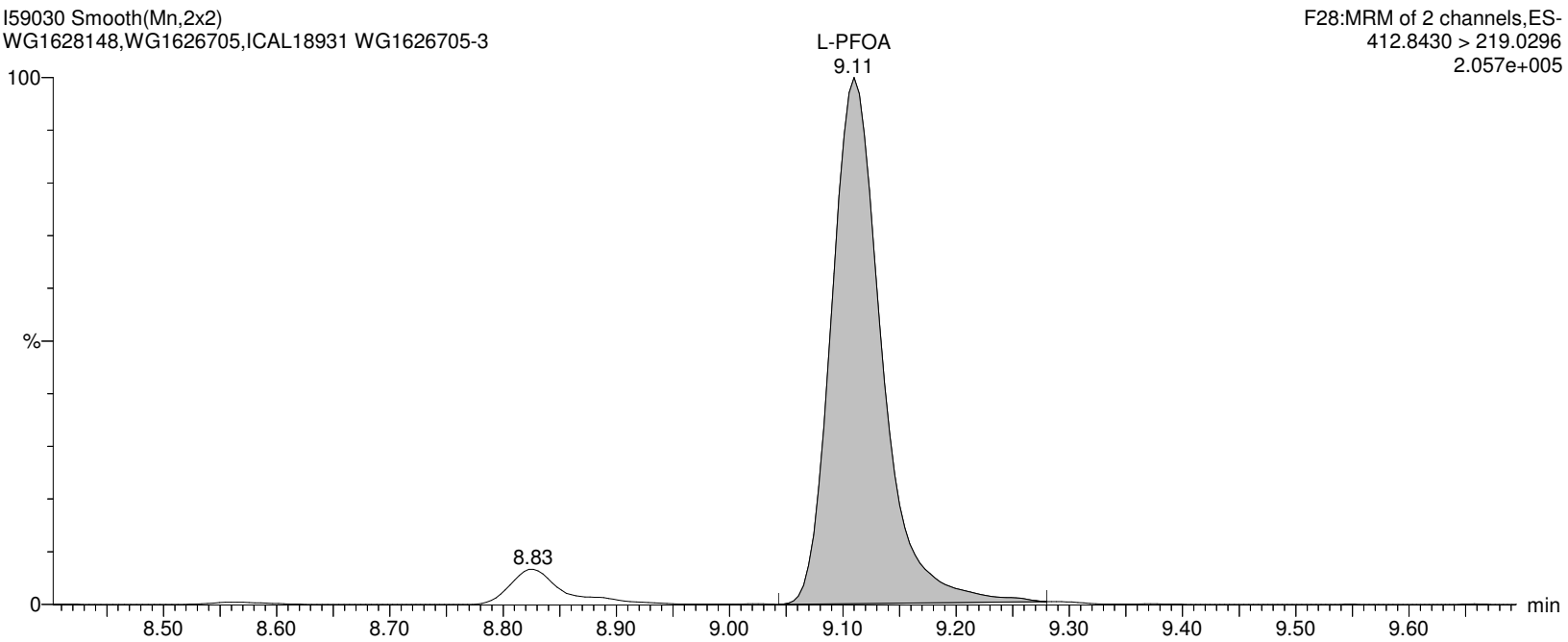
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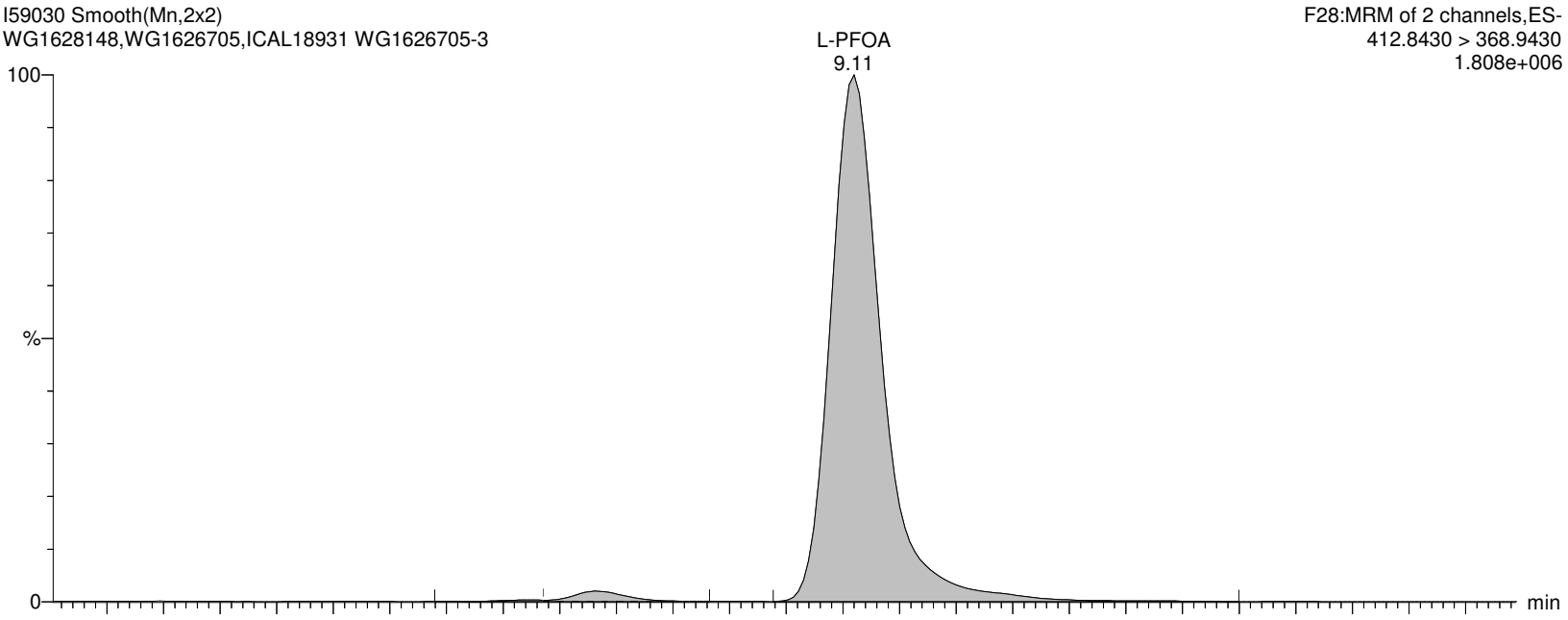


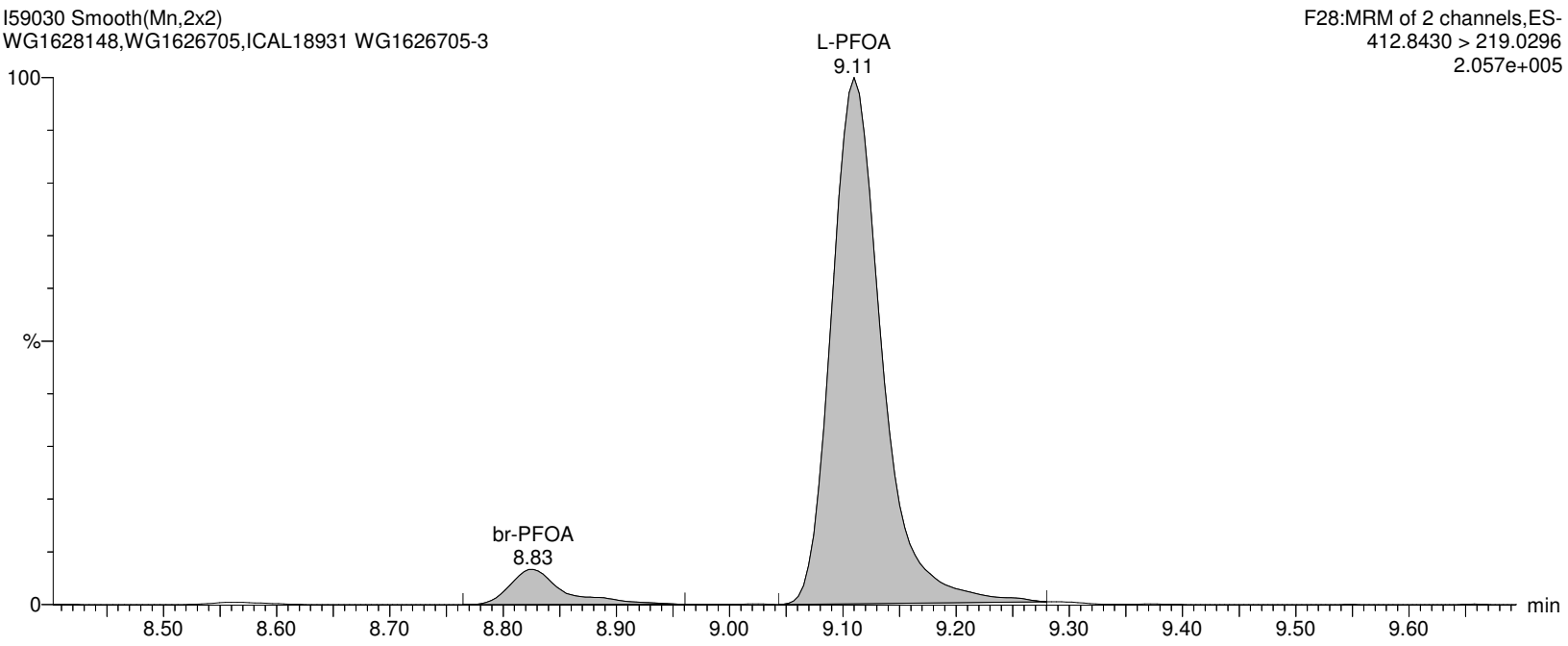
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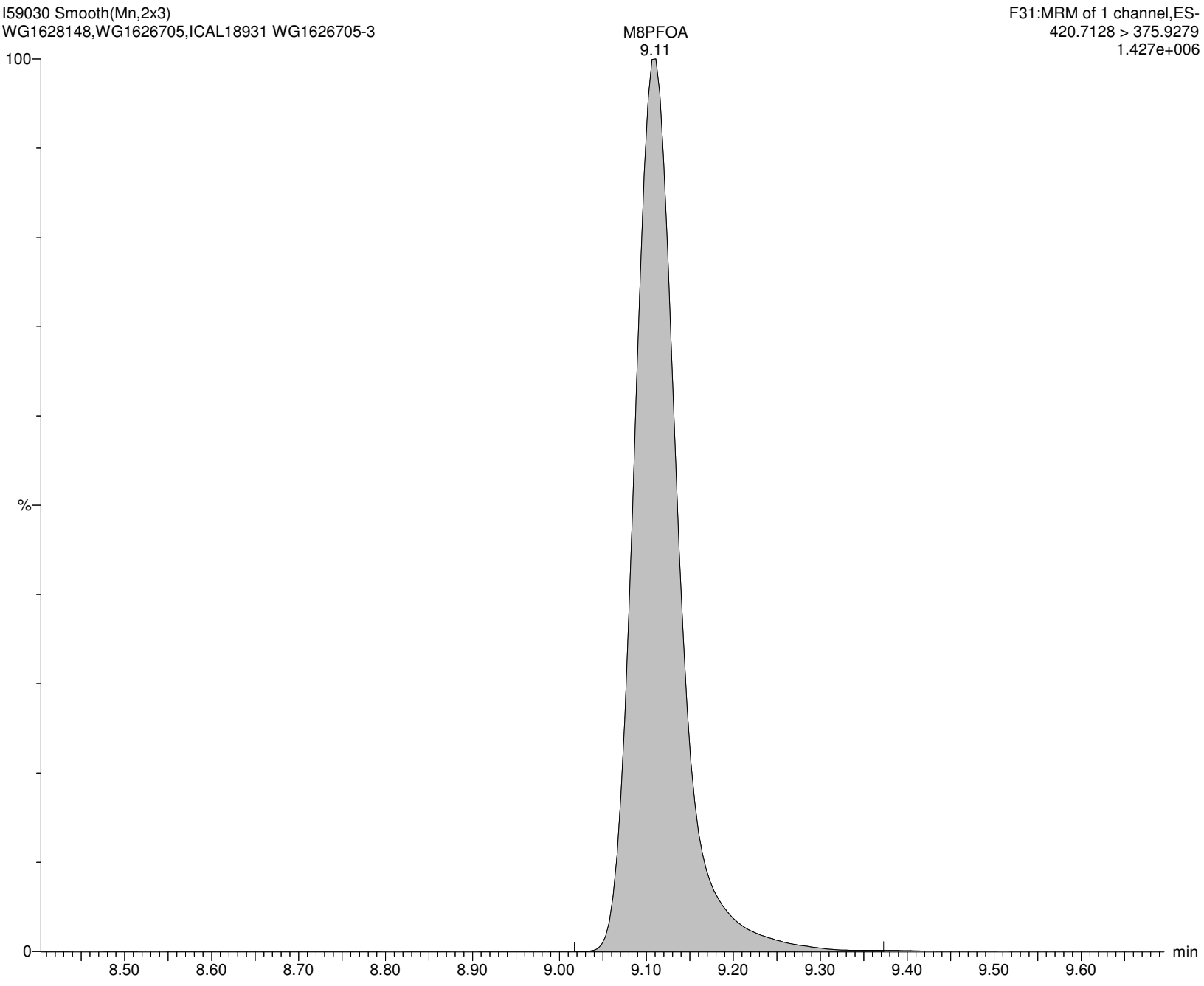


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M8PFOA

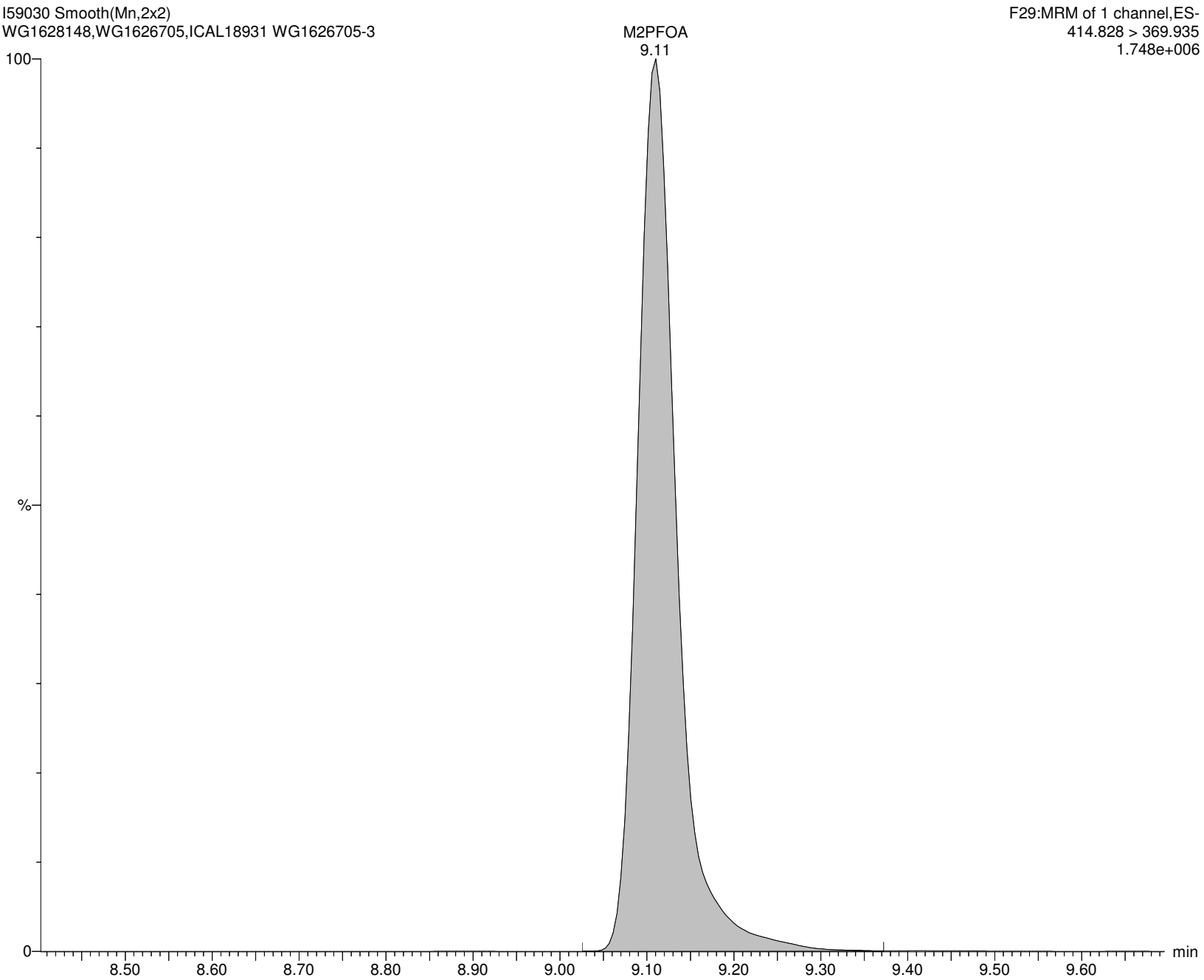


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:13 Eastern Daylight Time

Name: I59030
ID: WG1626705-3
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,7
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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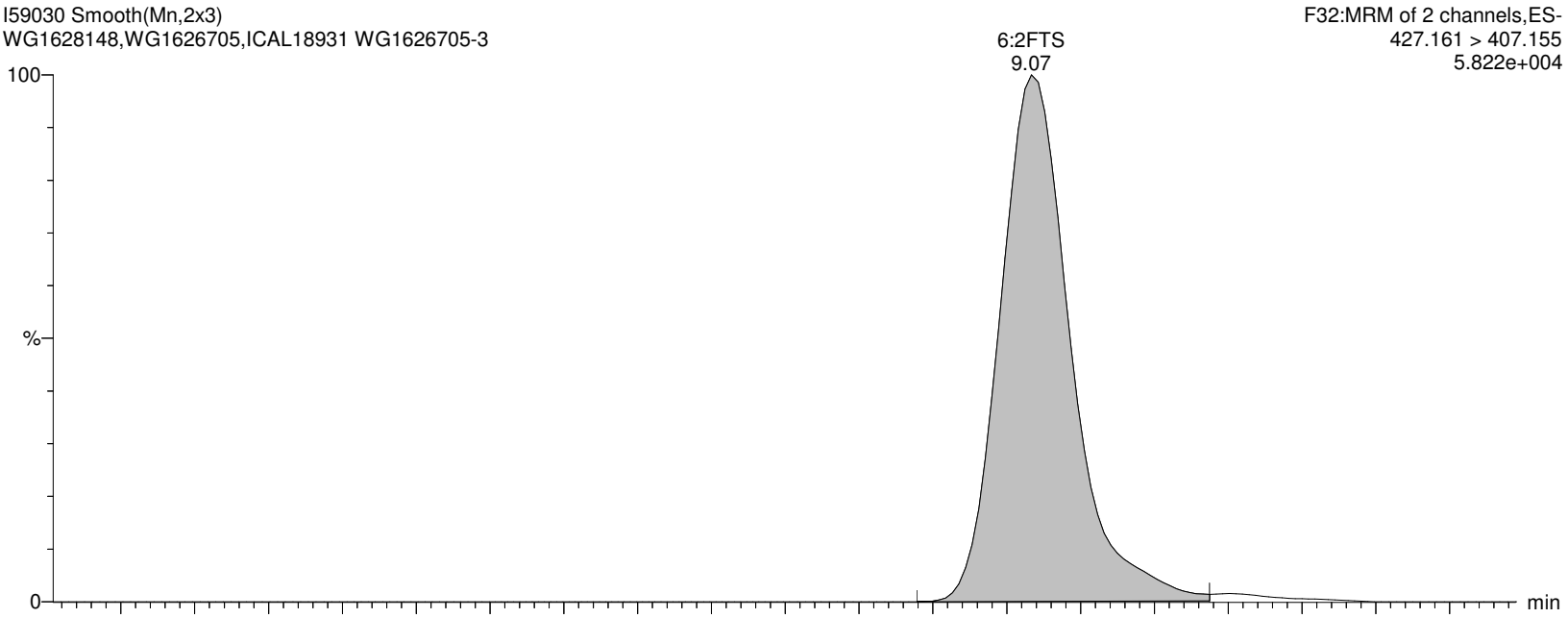


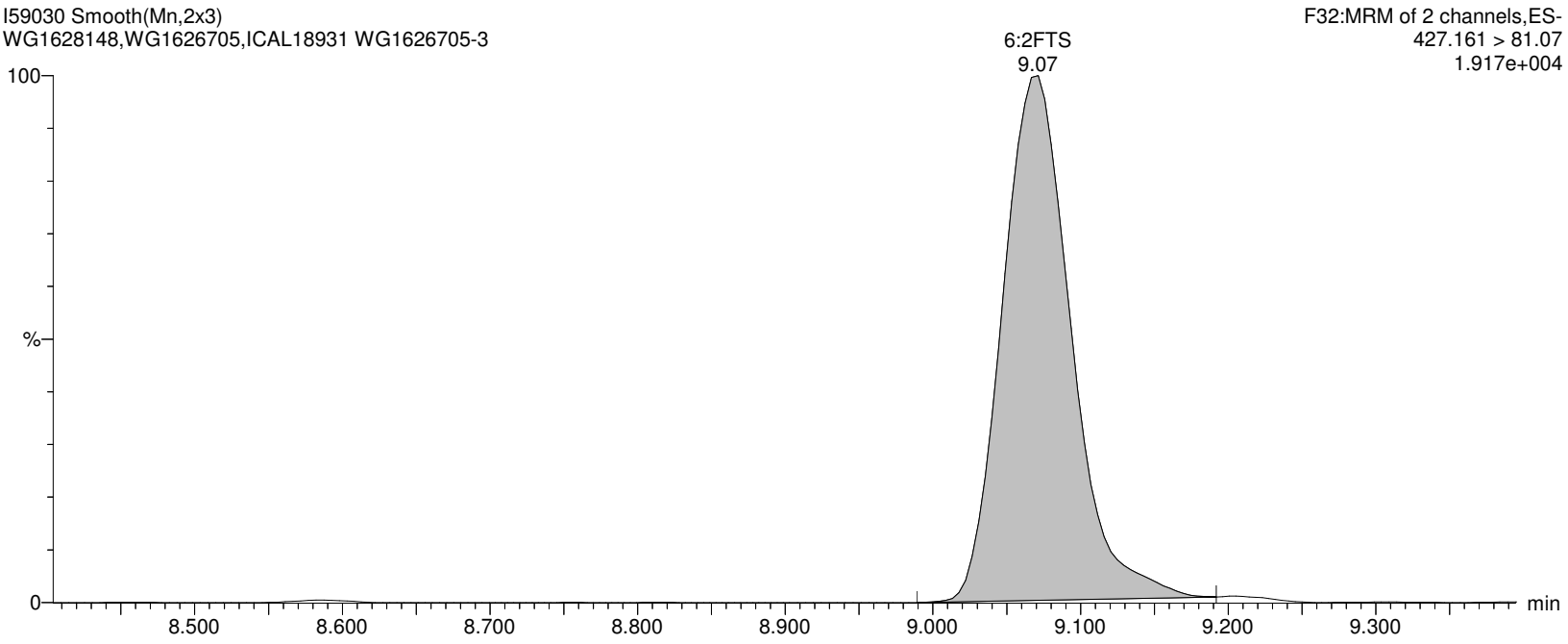
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
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User: LCMS02:SG
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6:2FTS



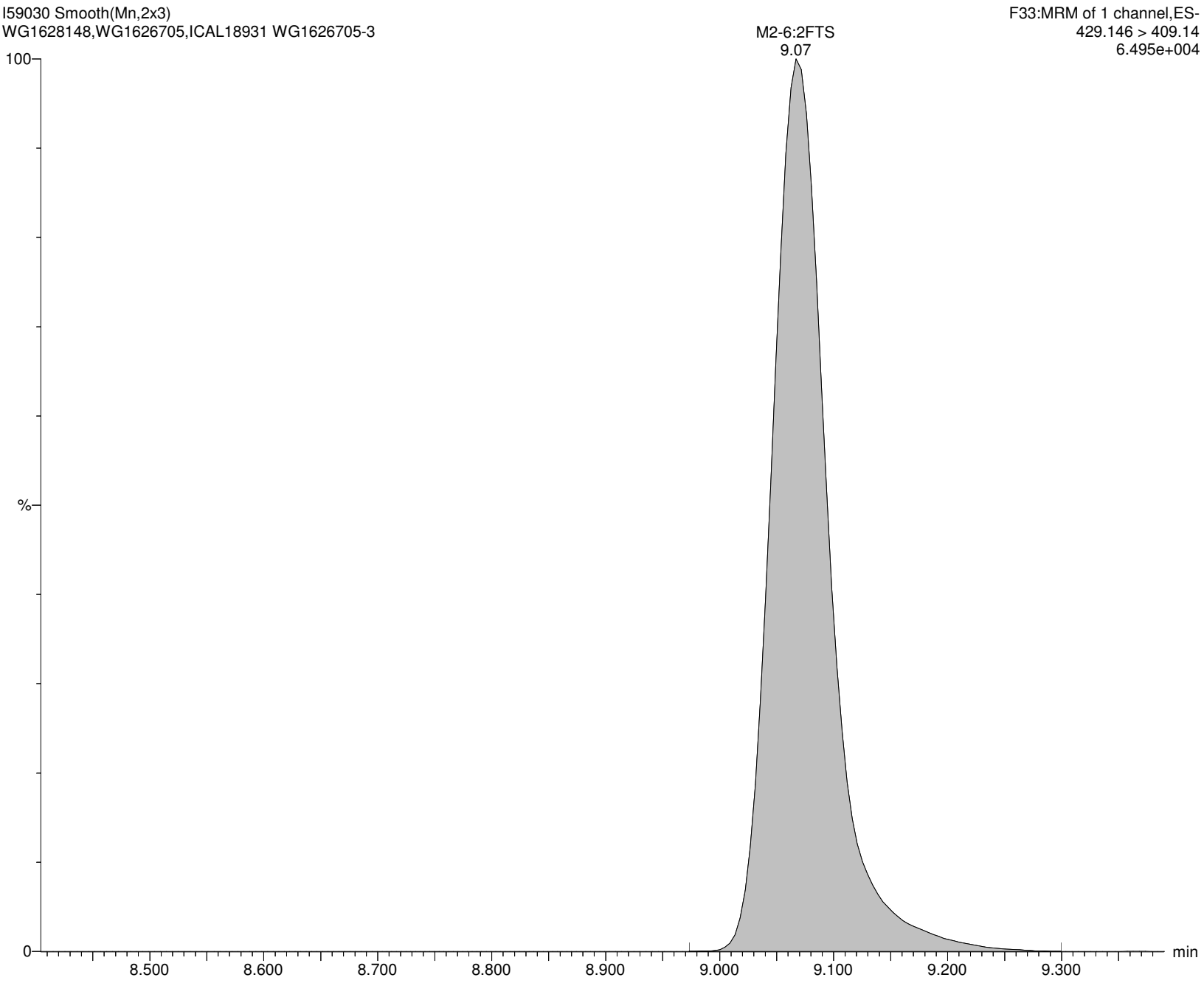


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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M2-6:2FTS

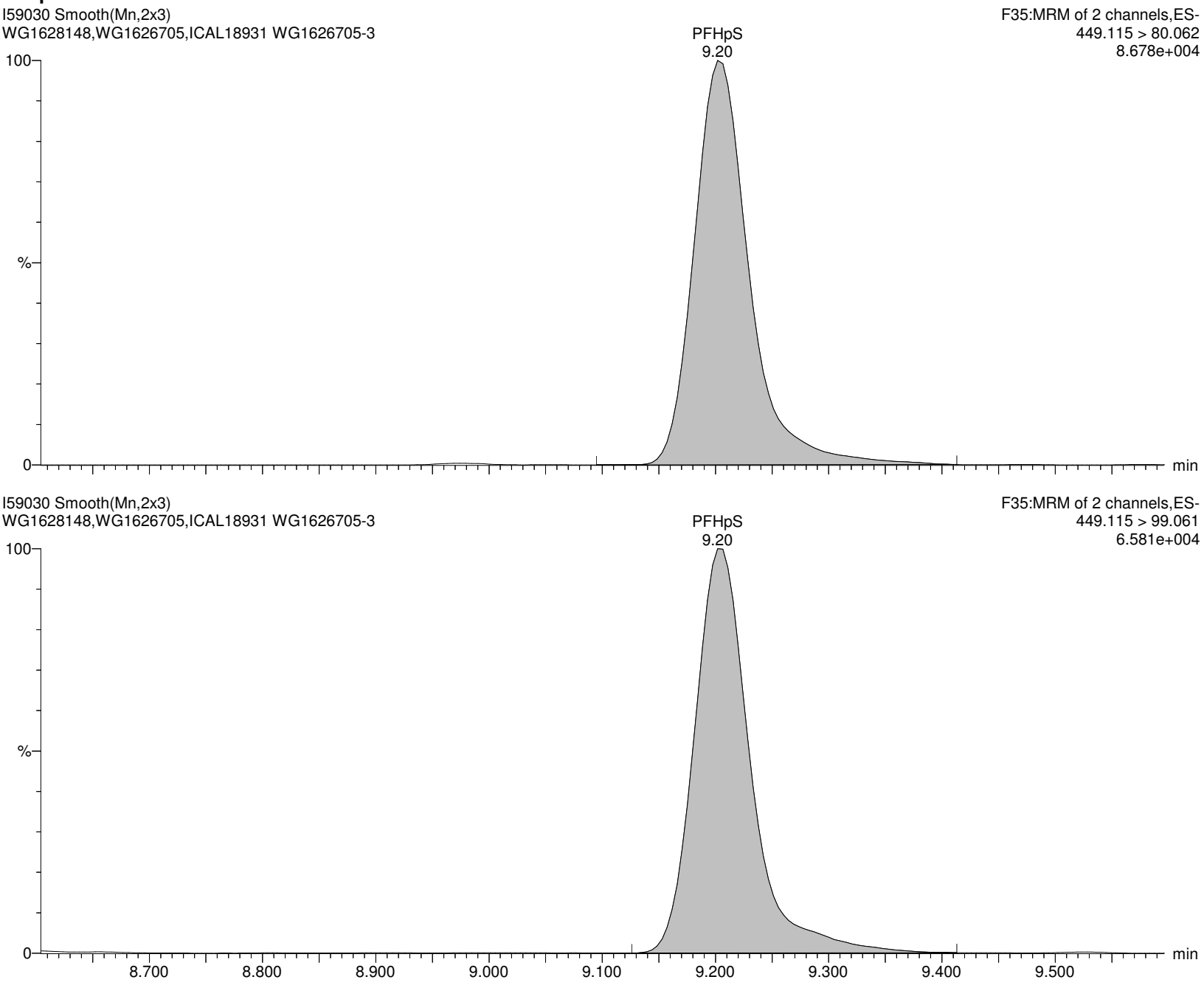


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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PFHpS

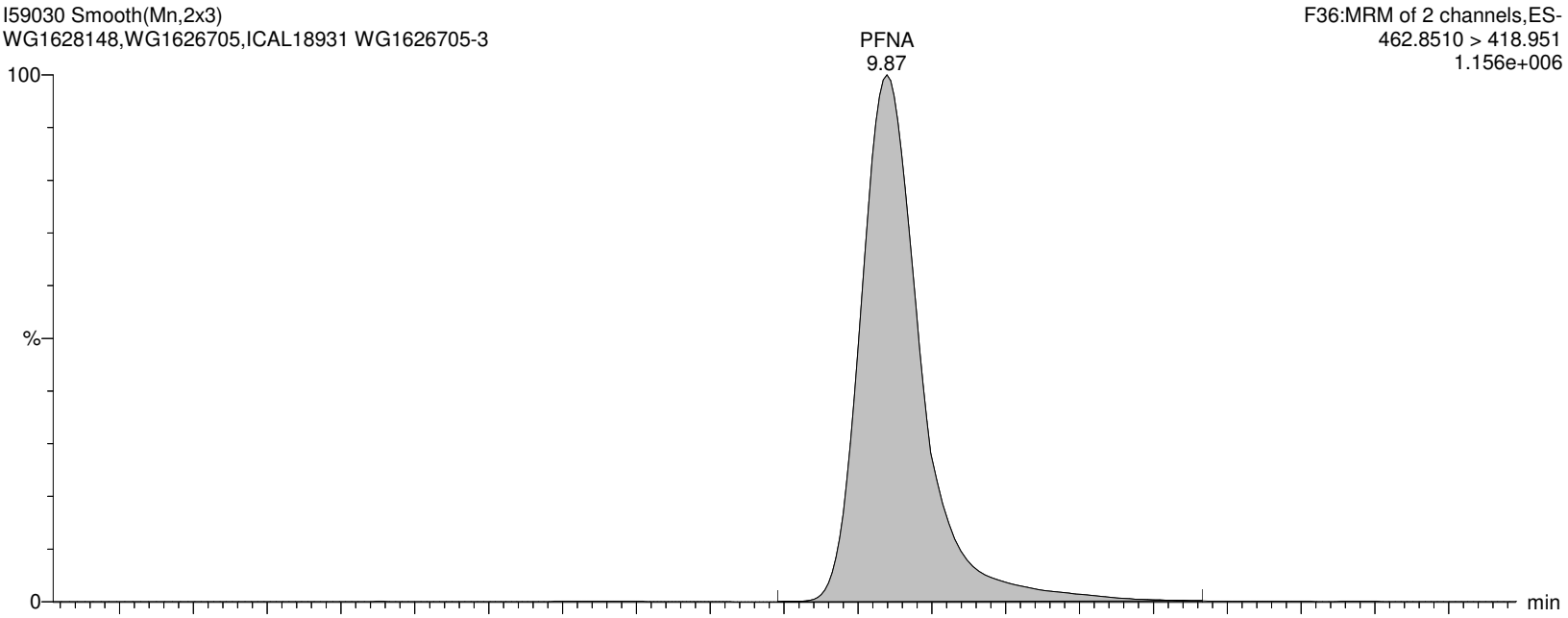


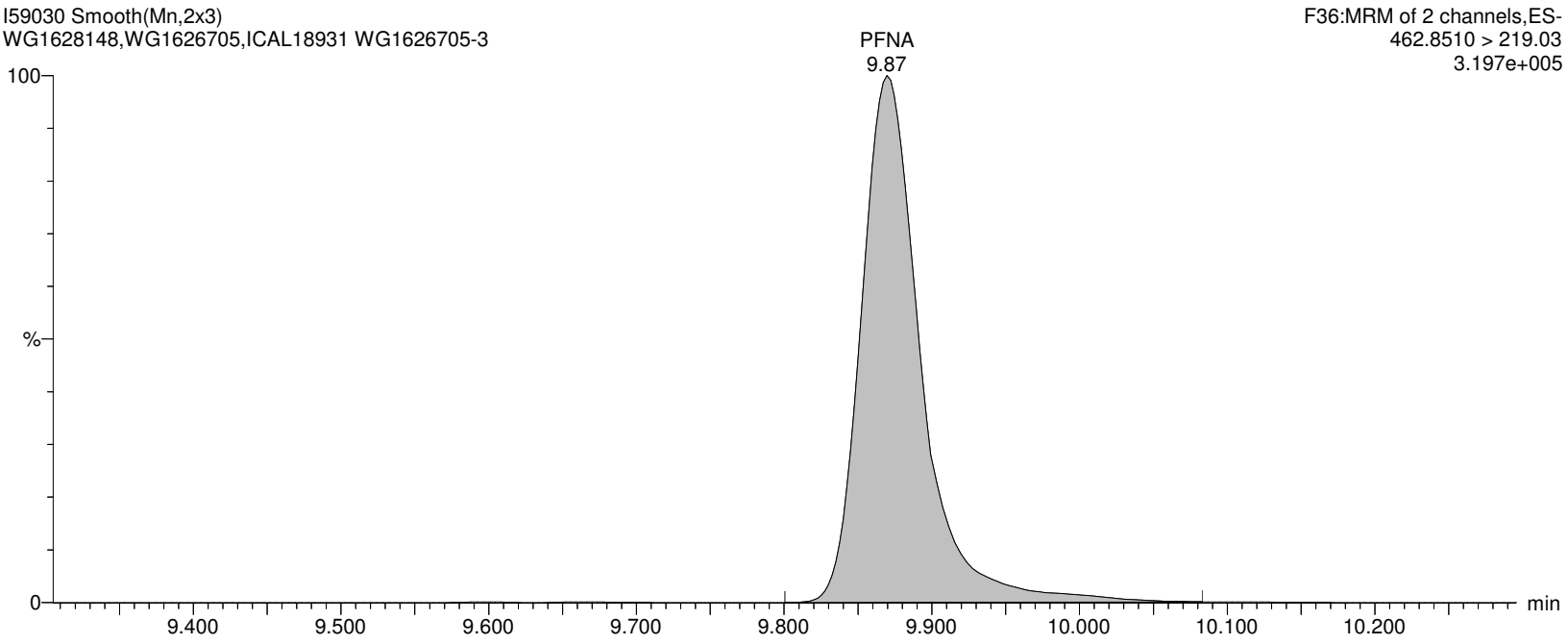
all concentration units in (ng/mL)

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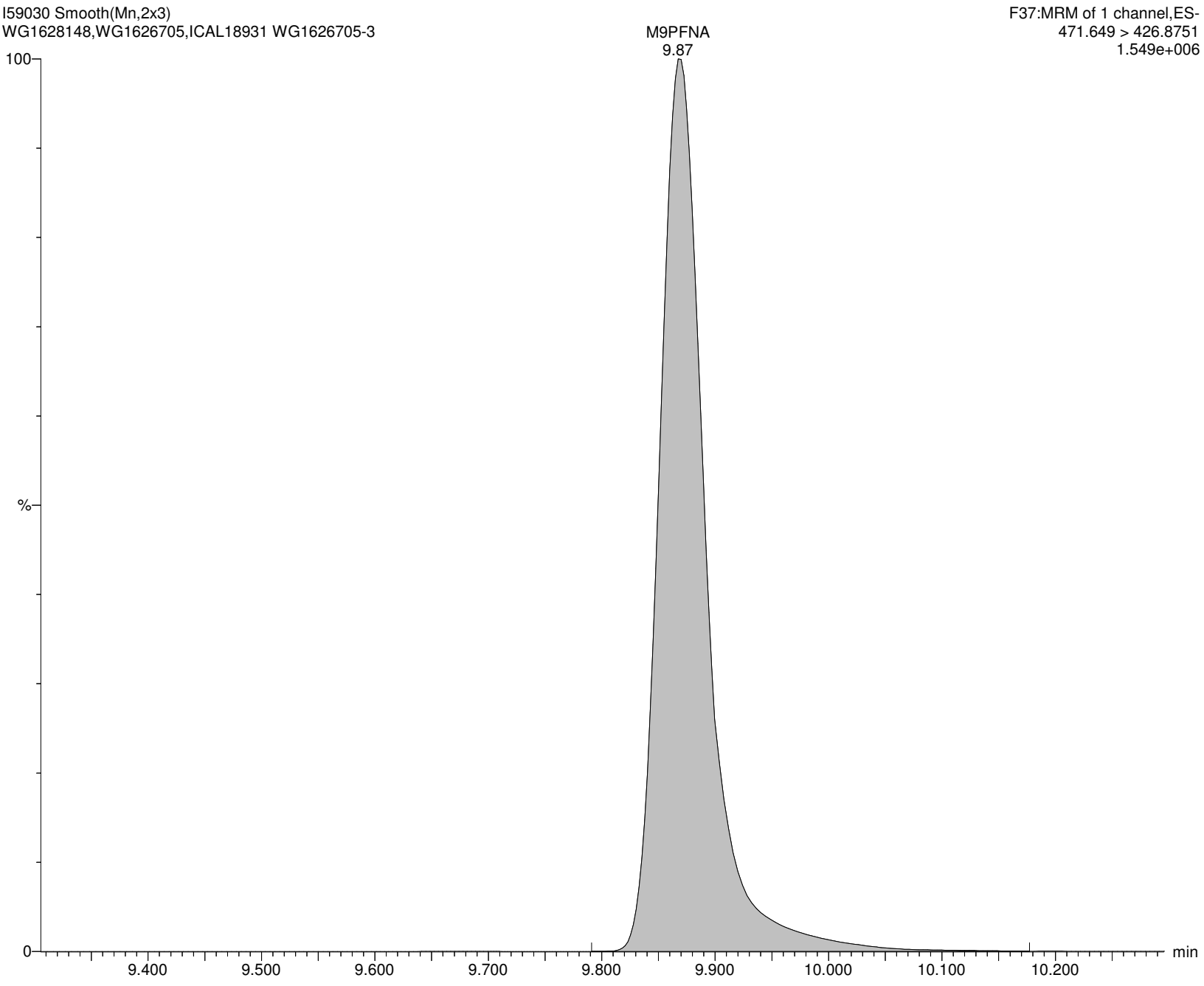


all concentration units in (ng/mL)

Alpha Analytical Inc.
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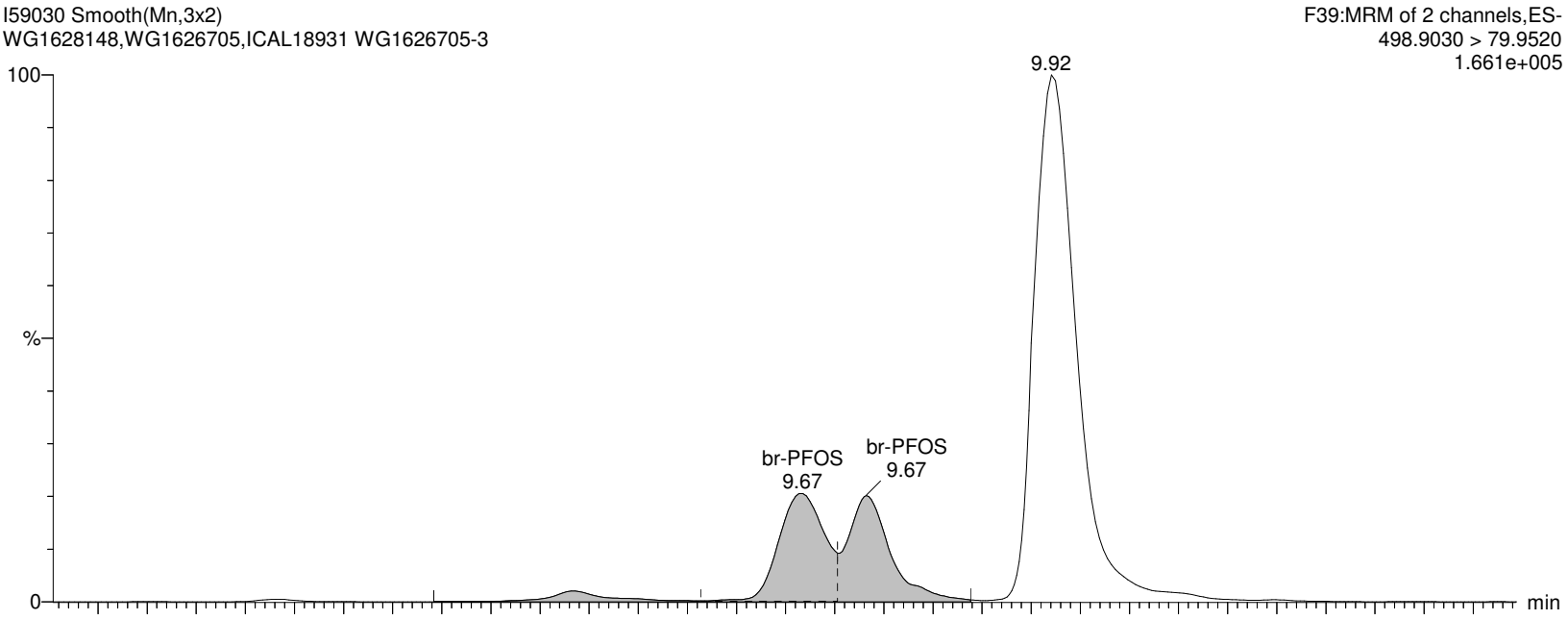


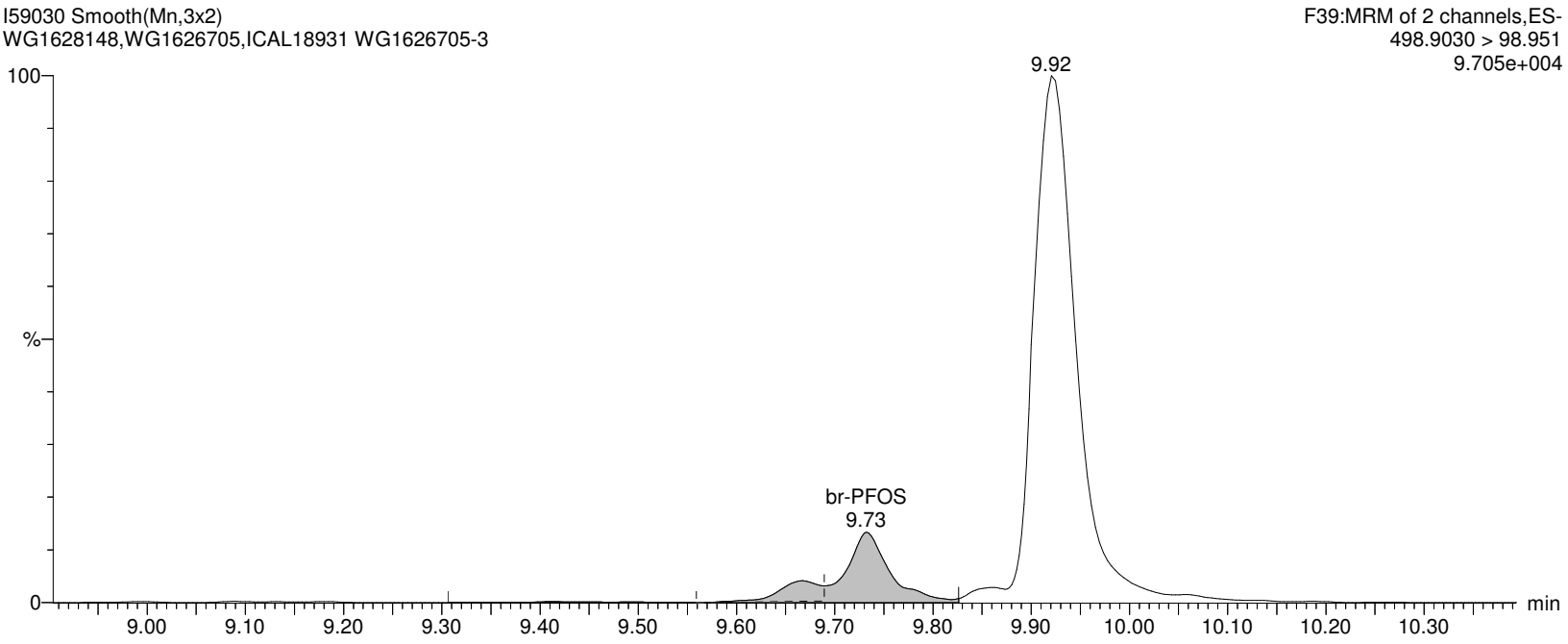
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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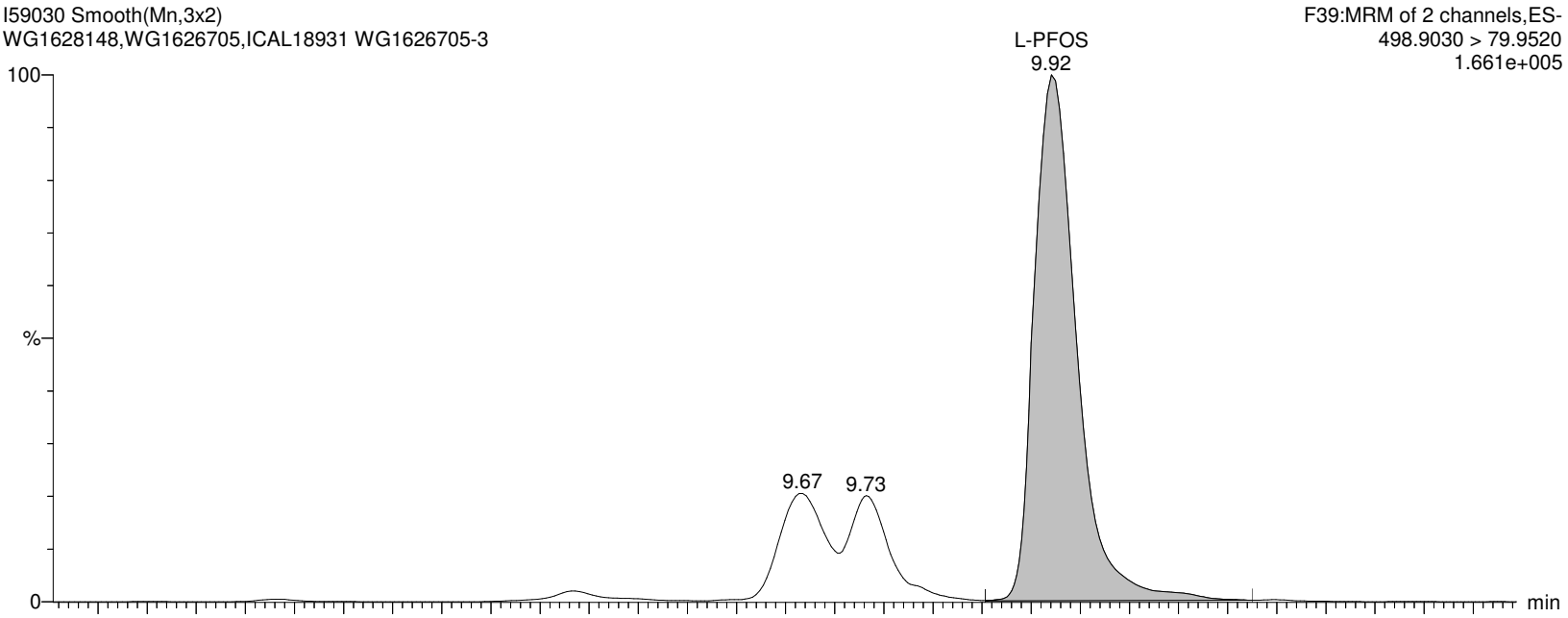


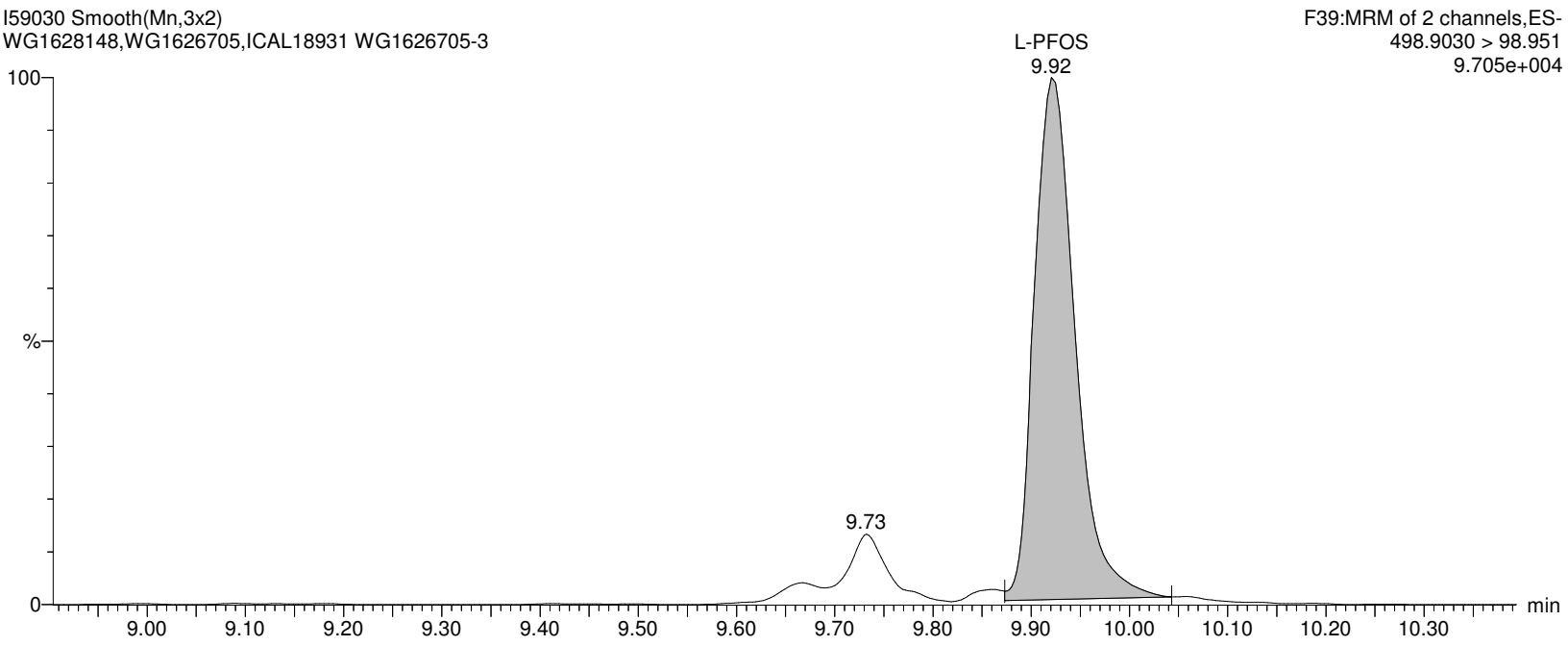
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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L-PFOS



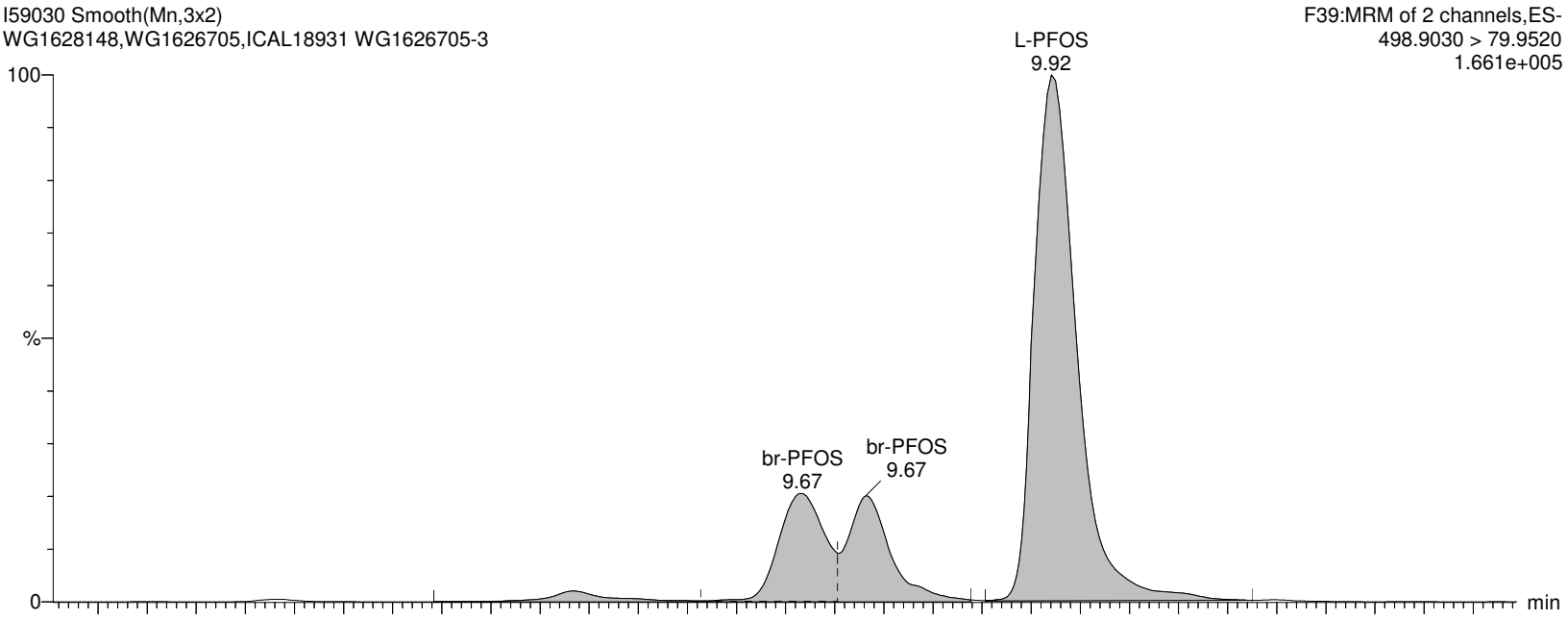


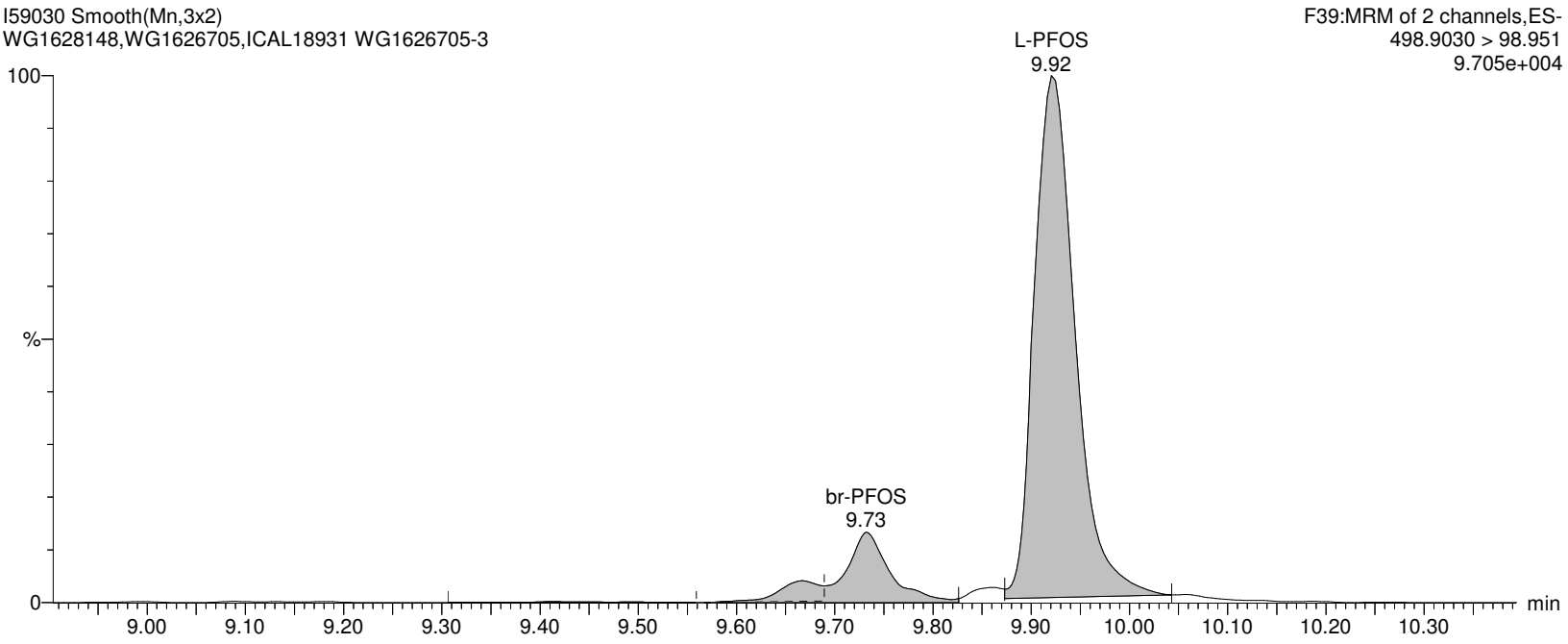
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



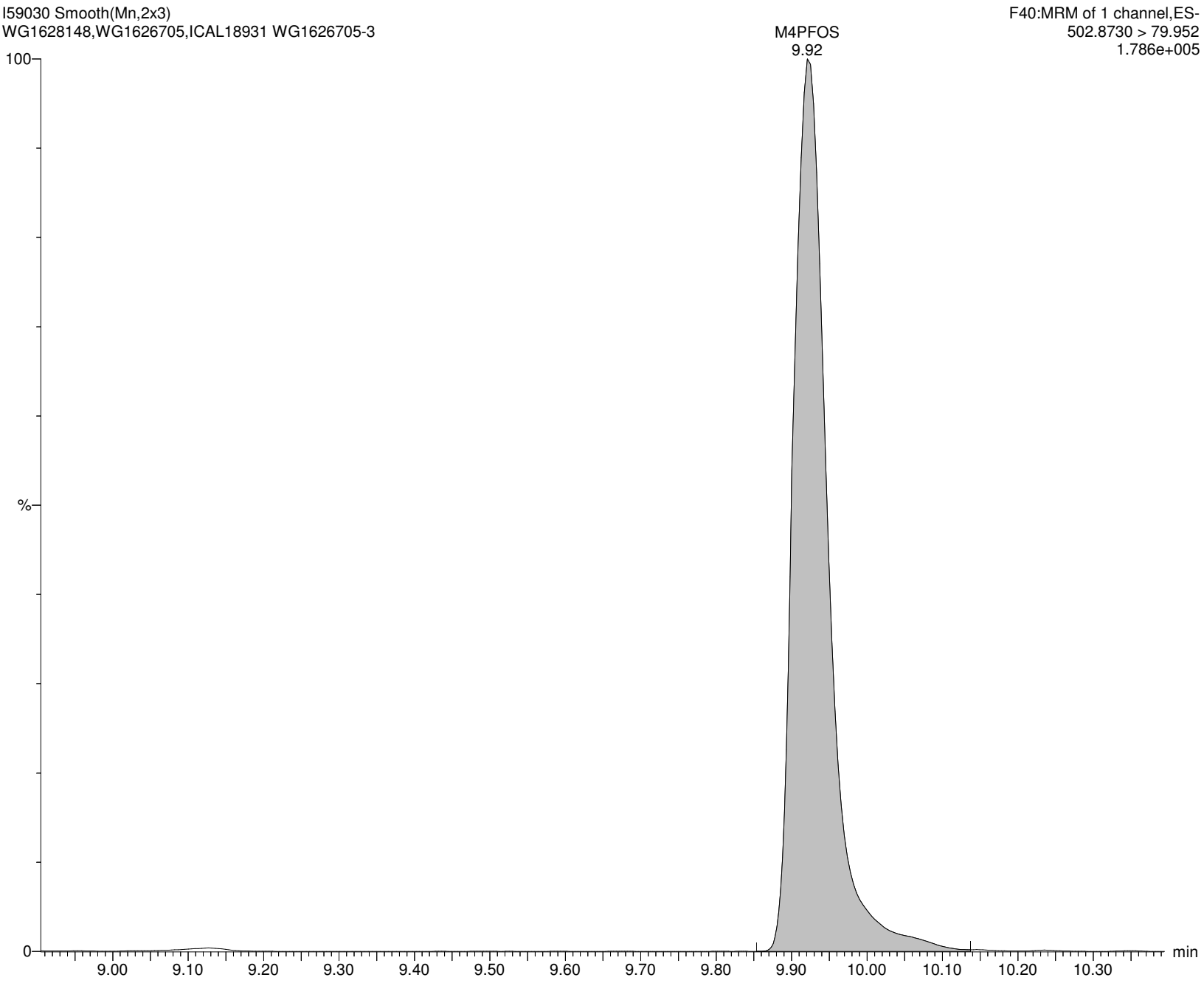


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M4PFOS

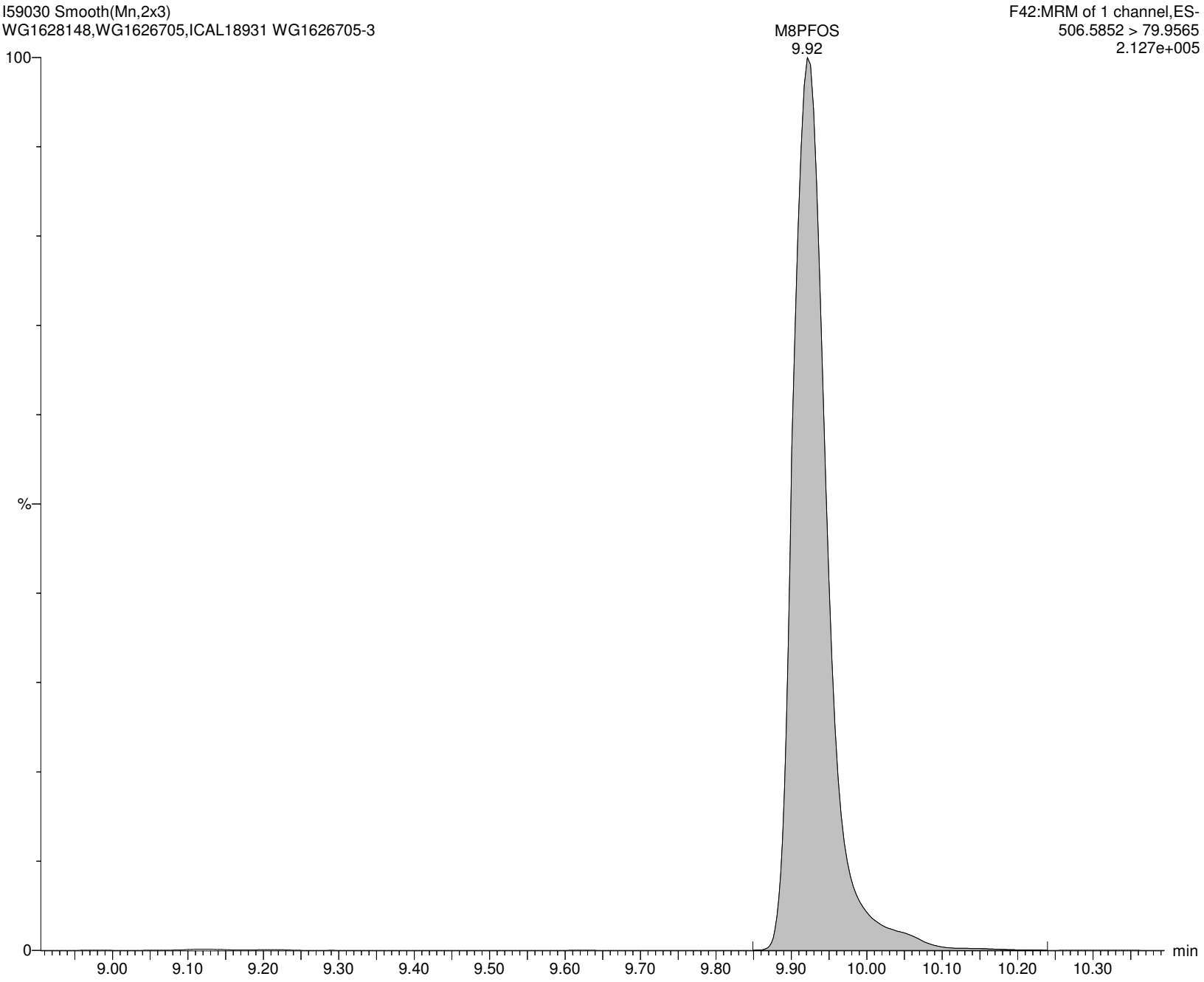


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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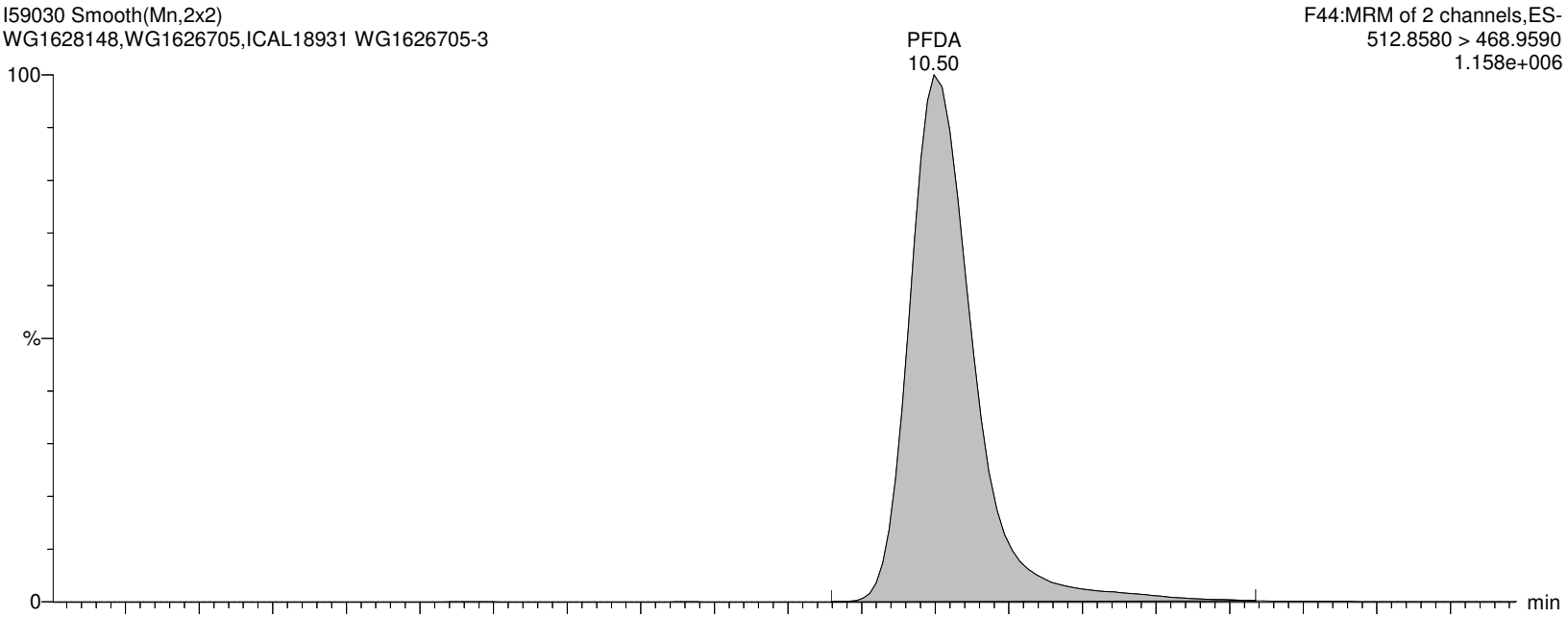


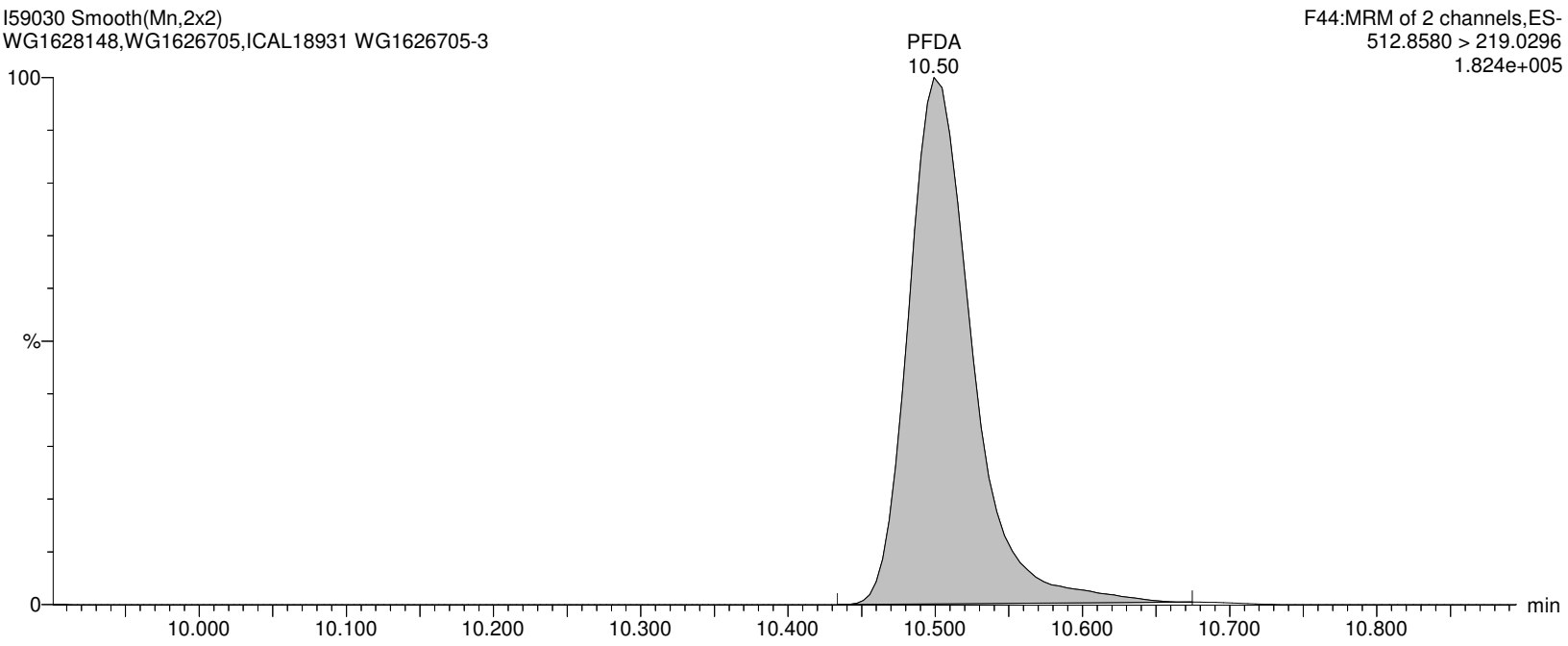
all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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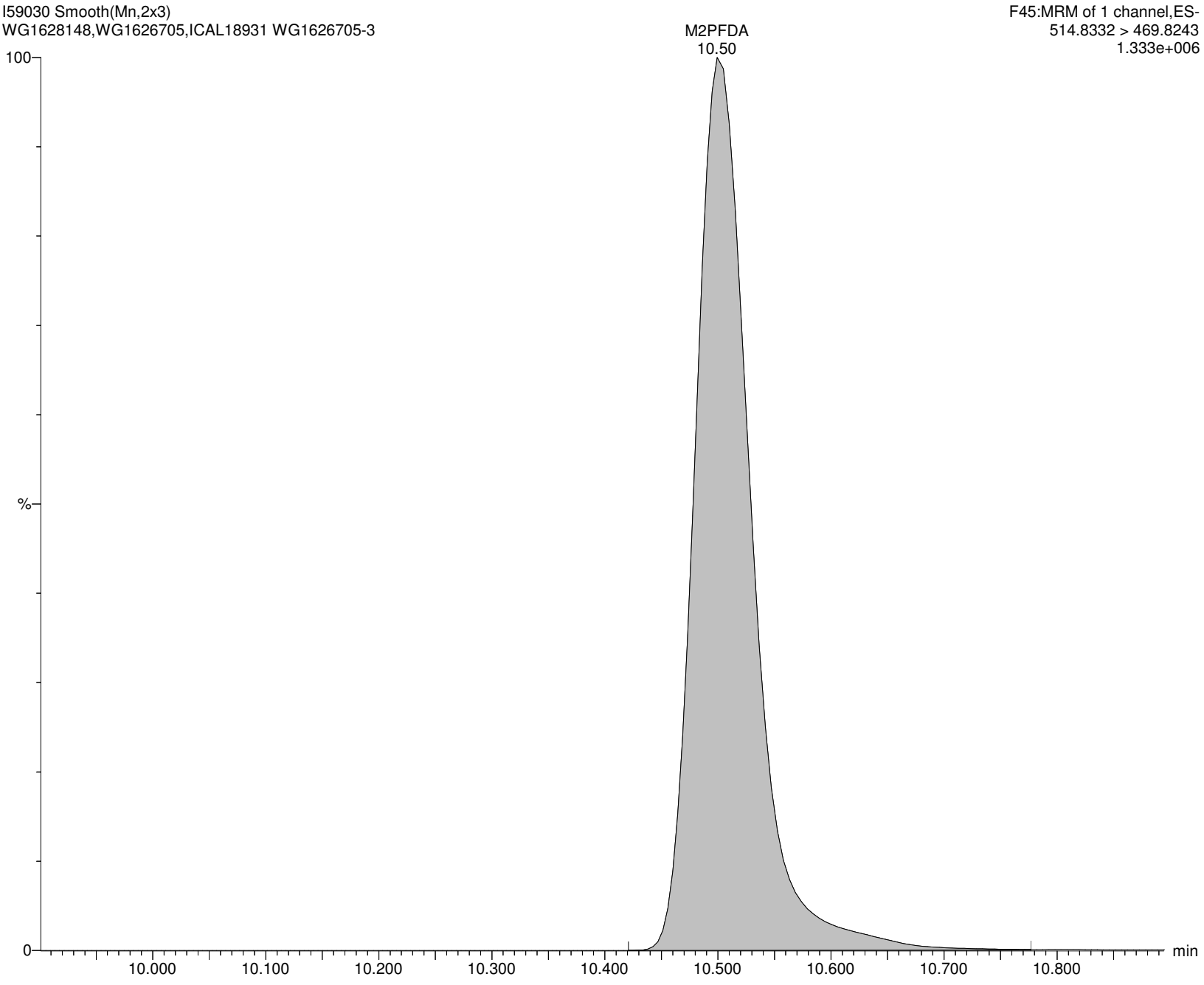


all concentration units in (ng/mL)

Alpha Analytical Inc.
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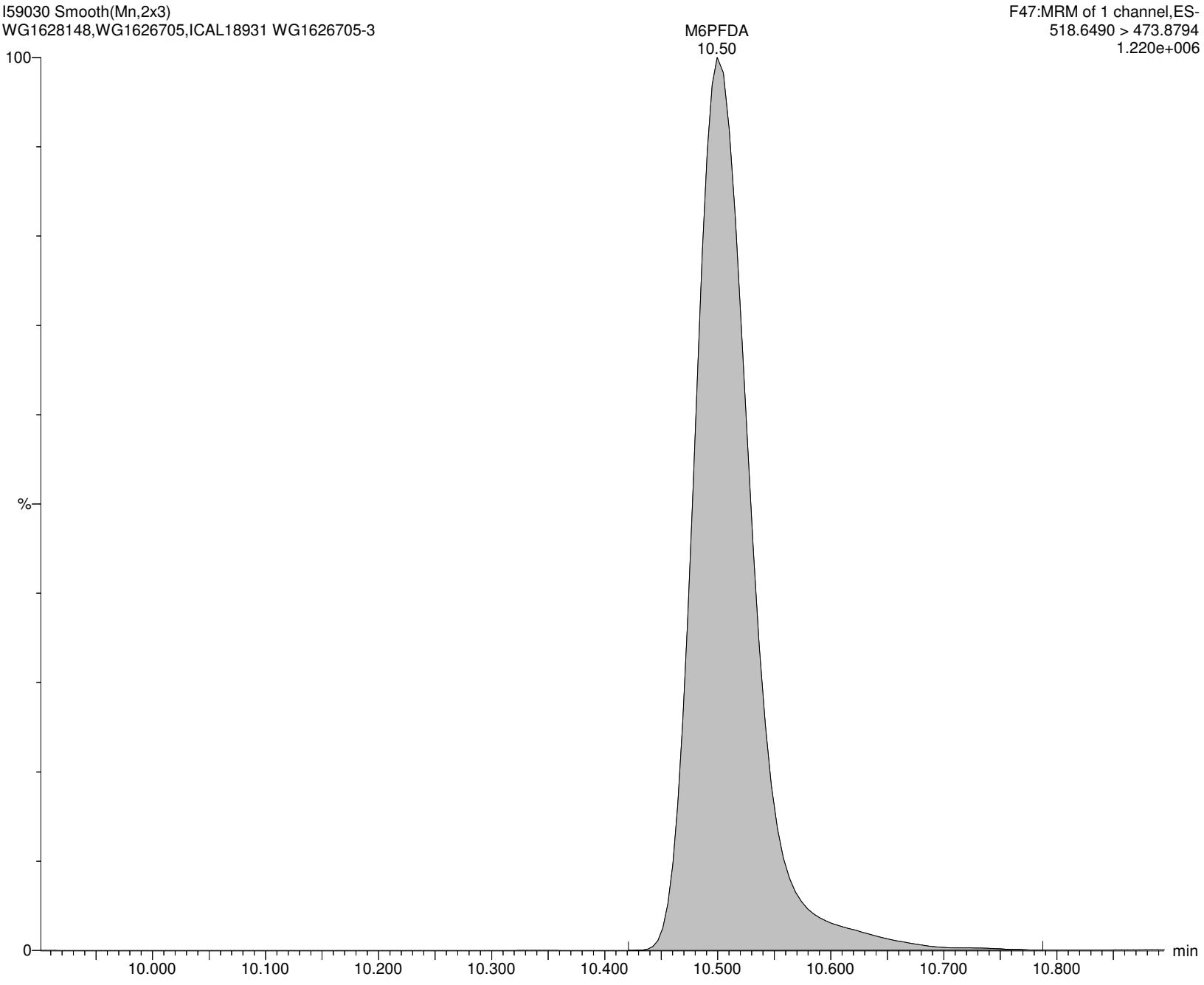


all concentration units in (ng/mL)

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M6PFDA

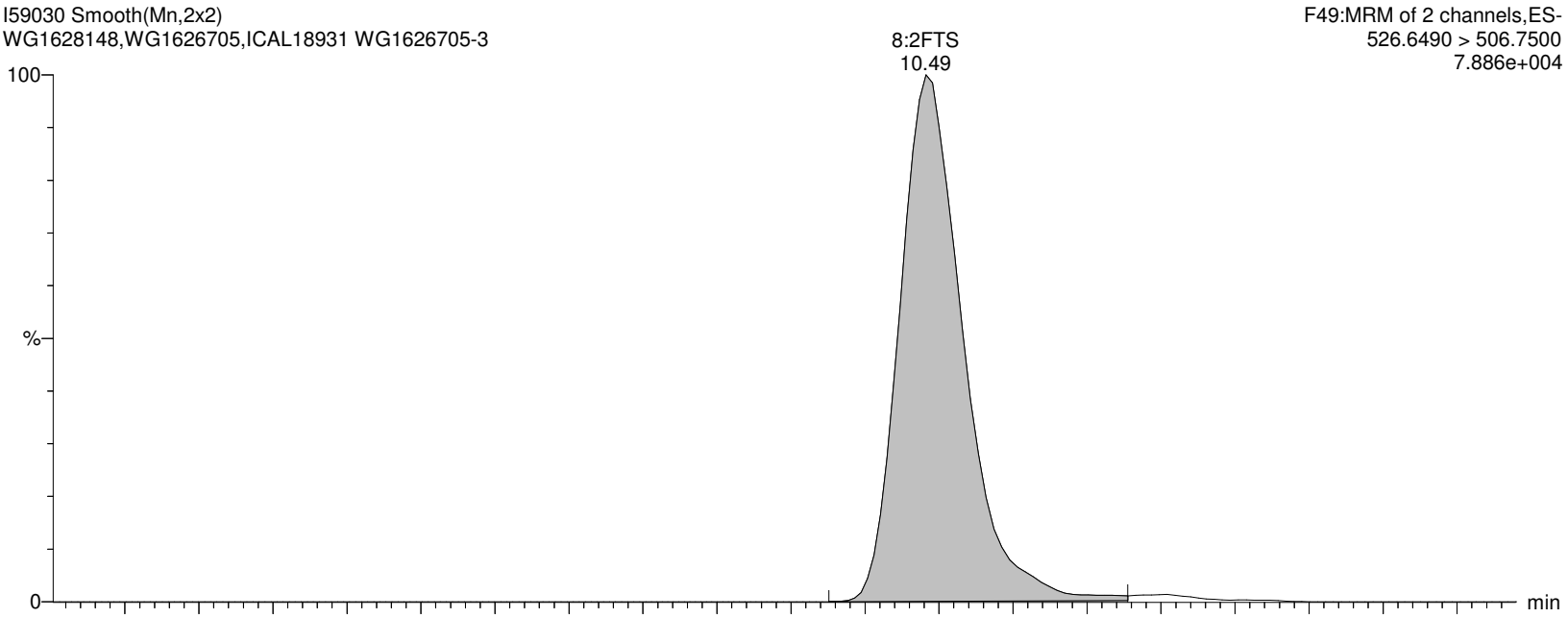


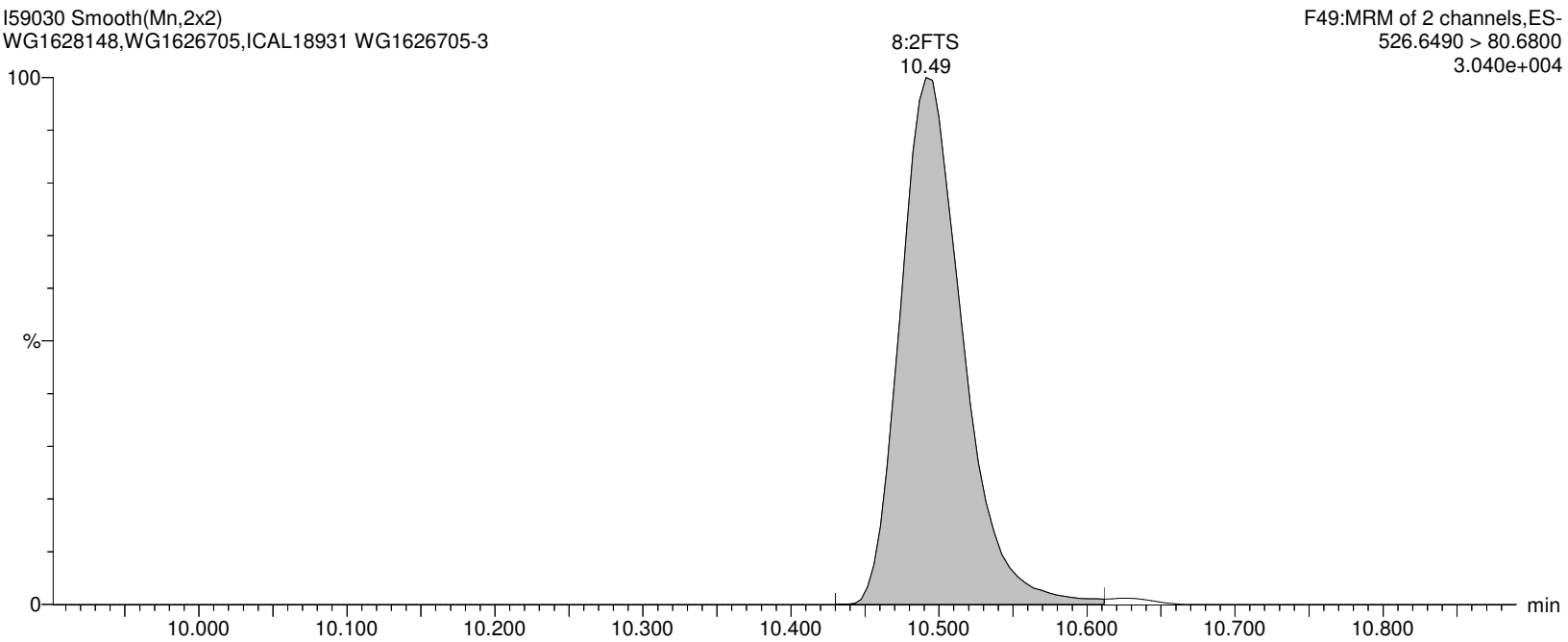
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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8:2FTS



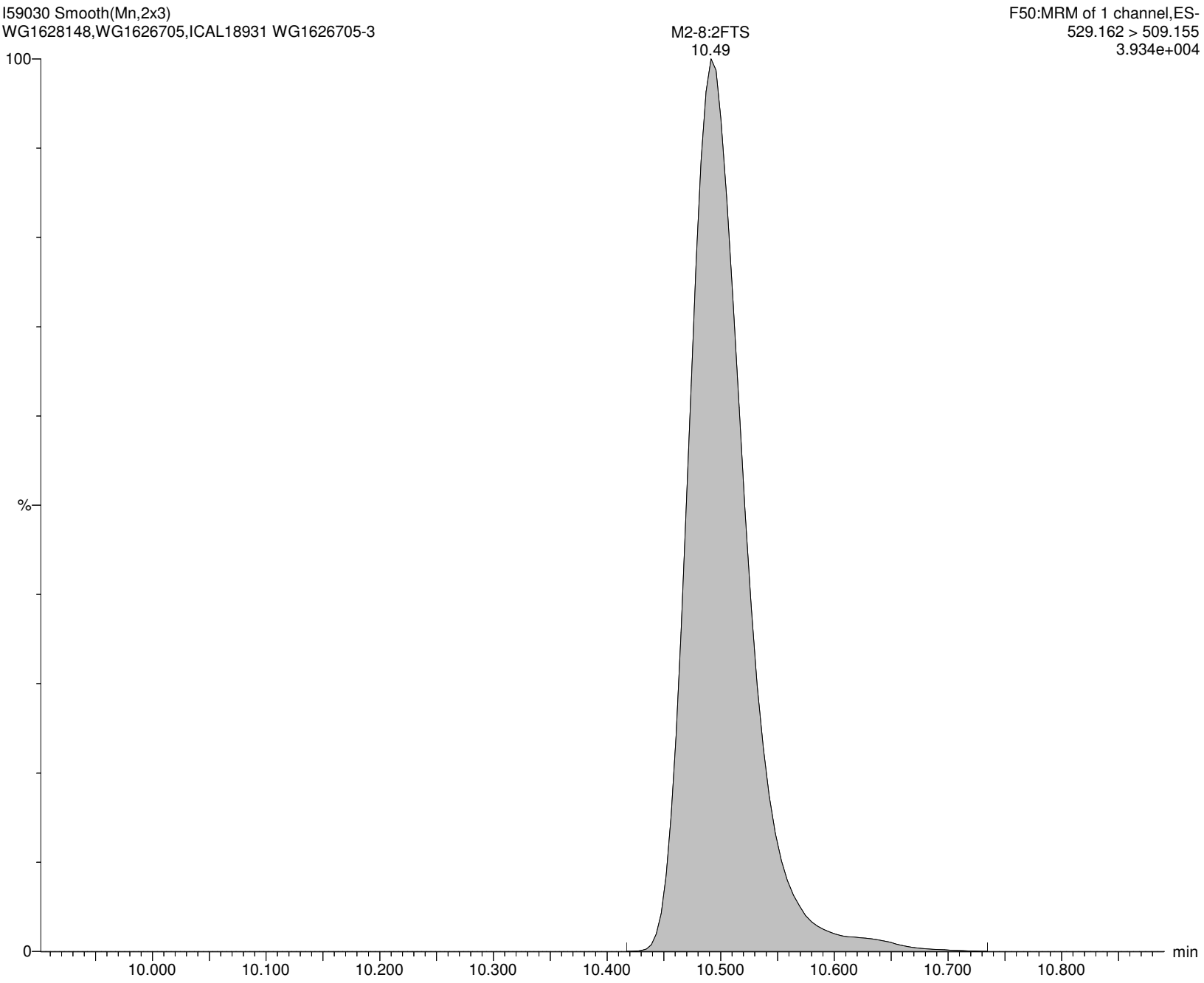


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M2-8:2FTS

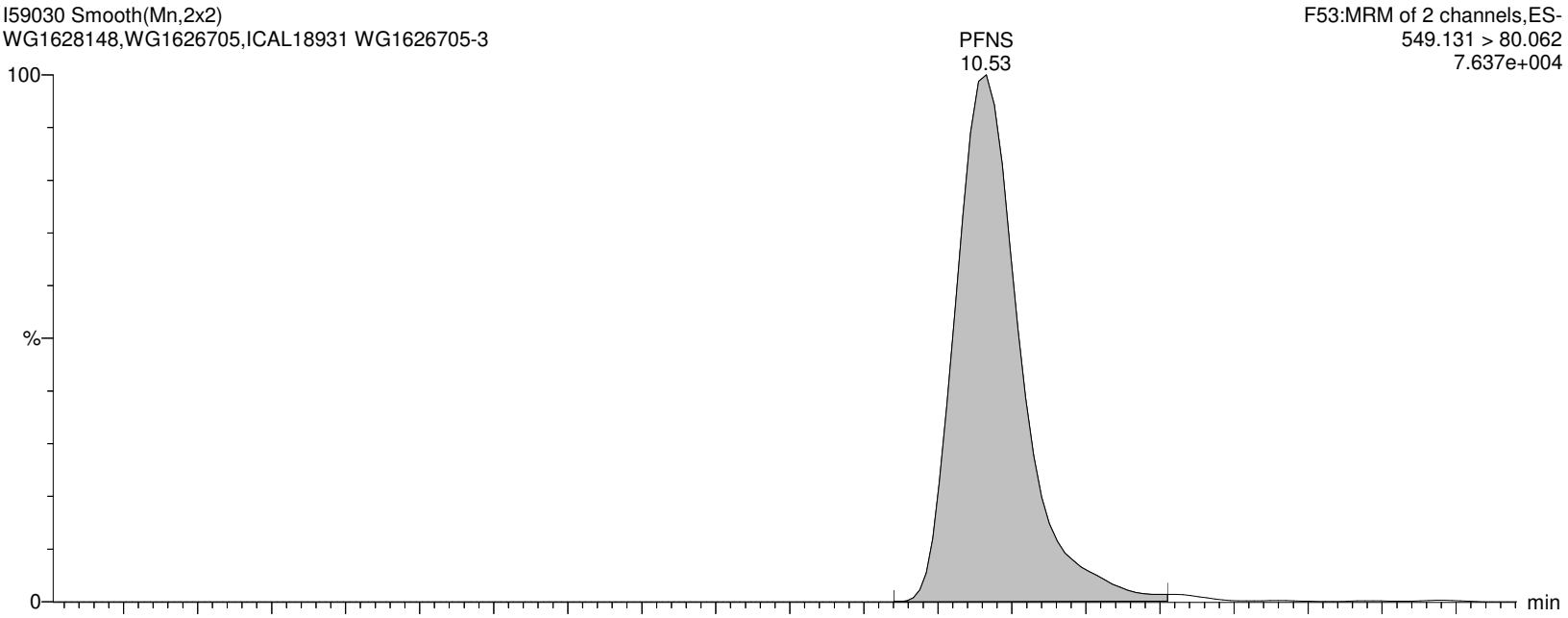


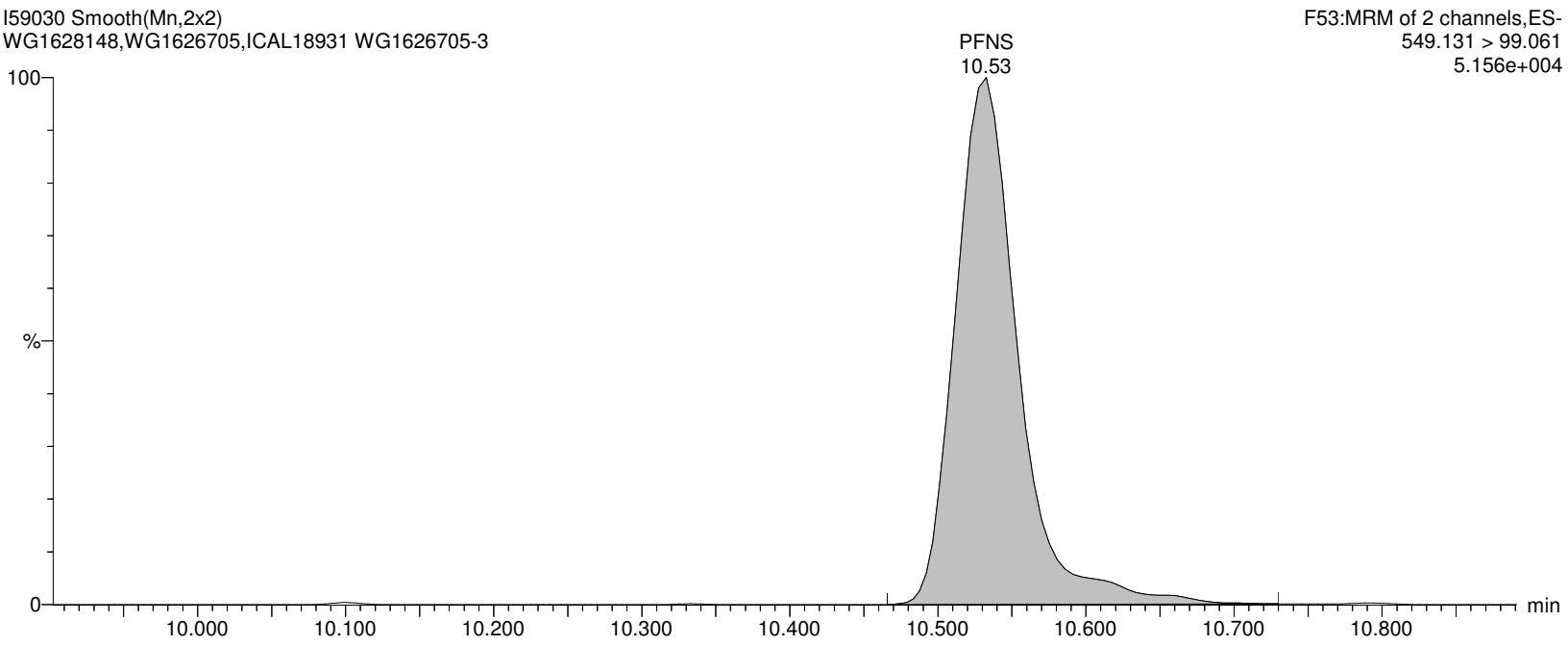
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:13 Eastern Daylight Time

Name: I59030
ID: WG1626705-3
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,7
Instrument: XEVO-TQSmicro#QEB0050
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PFNS



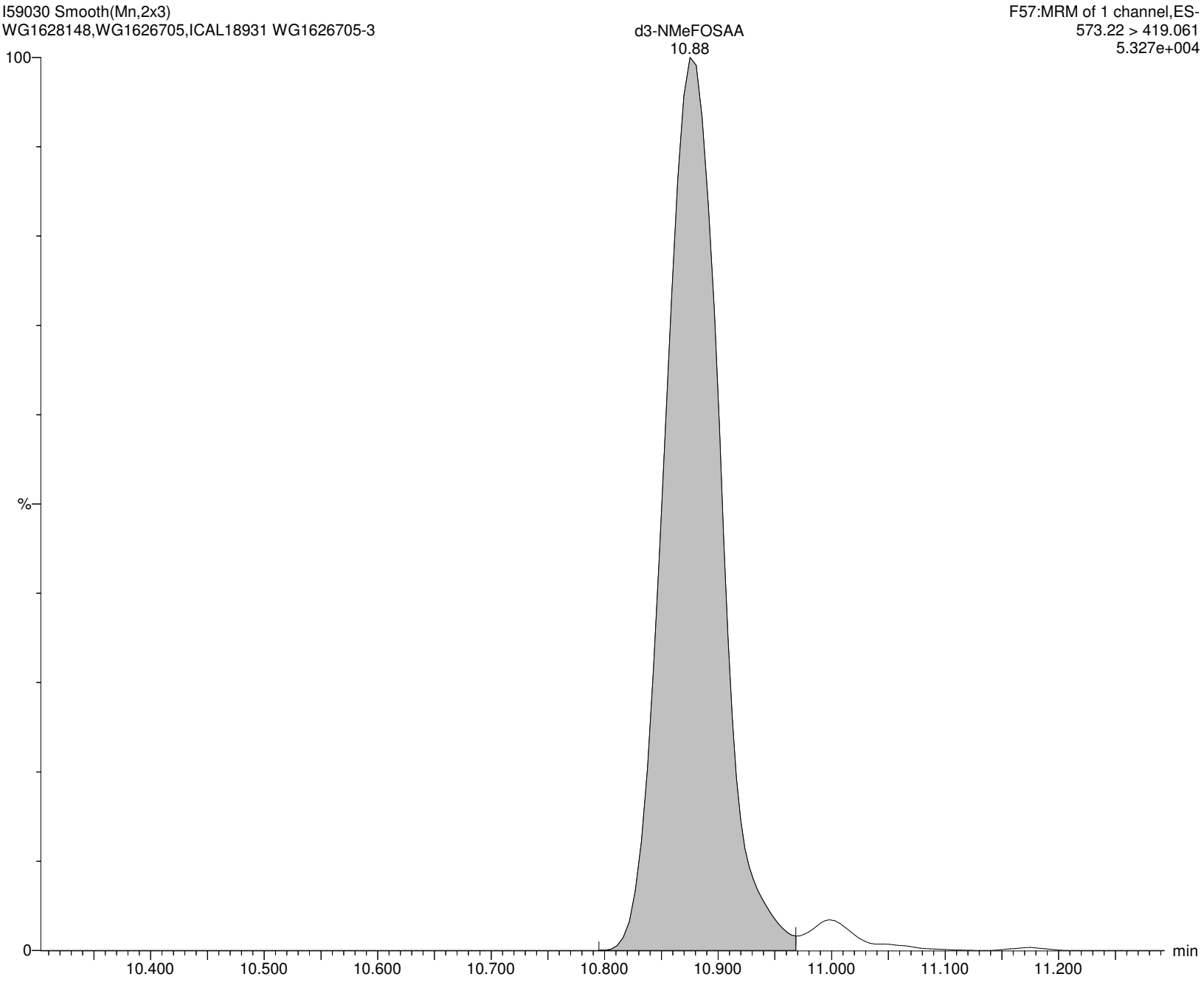


all concentration units in (ng/mL)

Alpha Analytical Inc.
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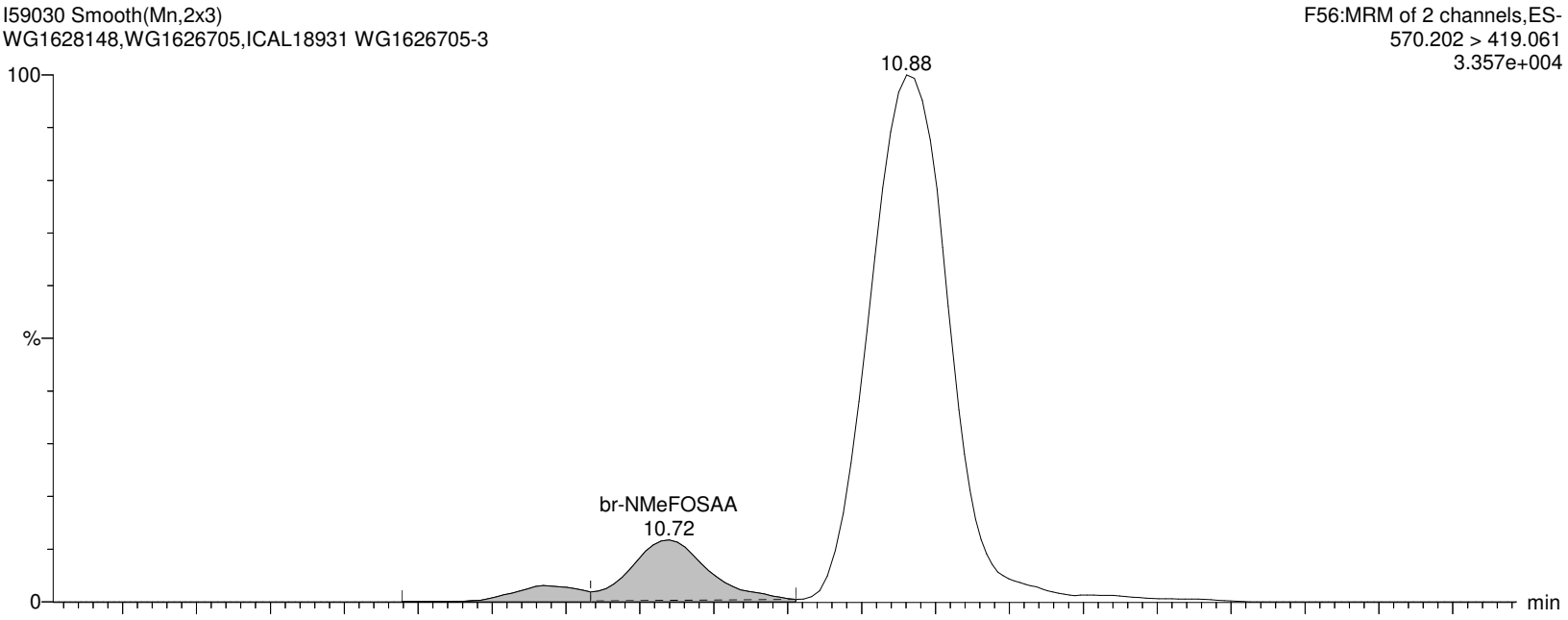


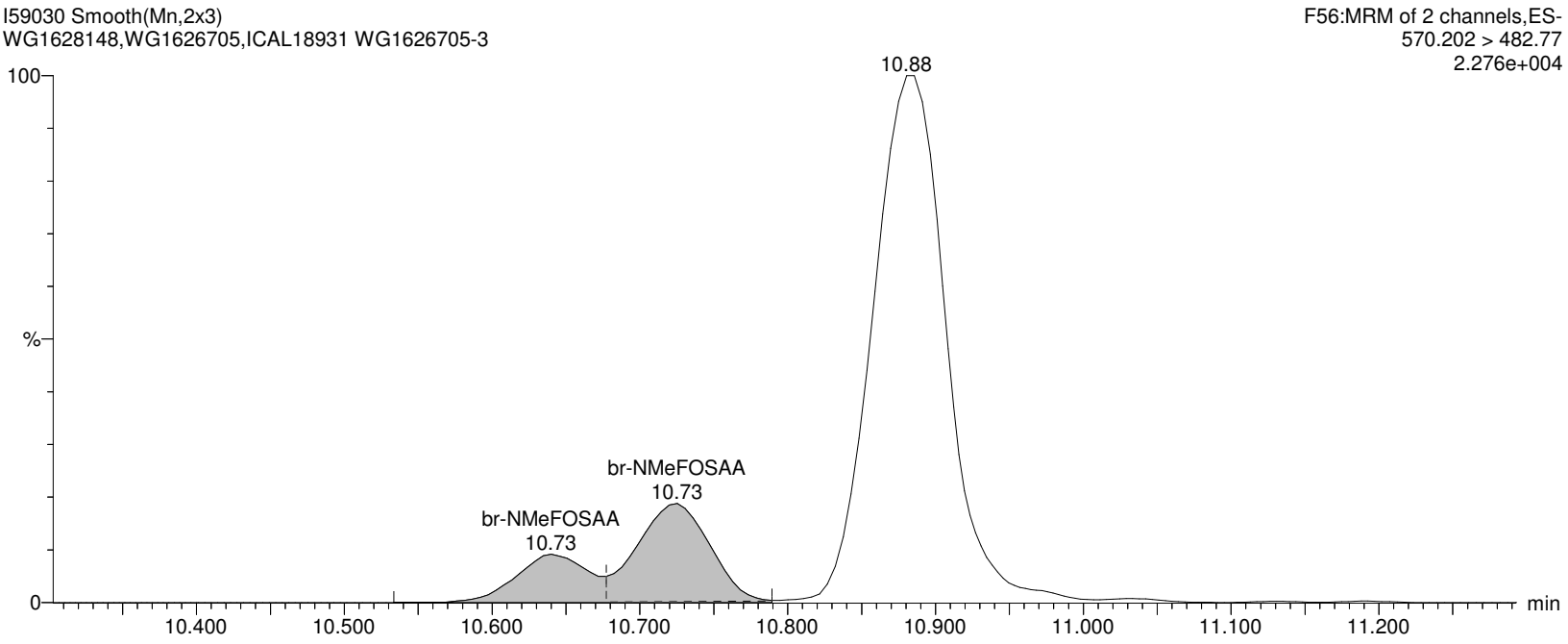
all concentration units in (ng/mL)

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br-NMeFOSAA



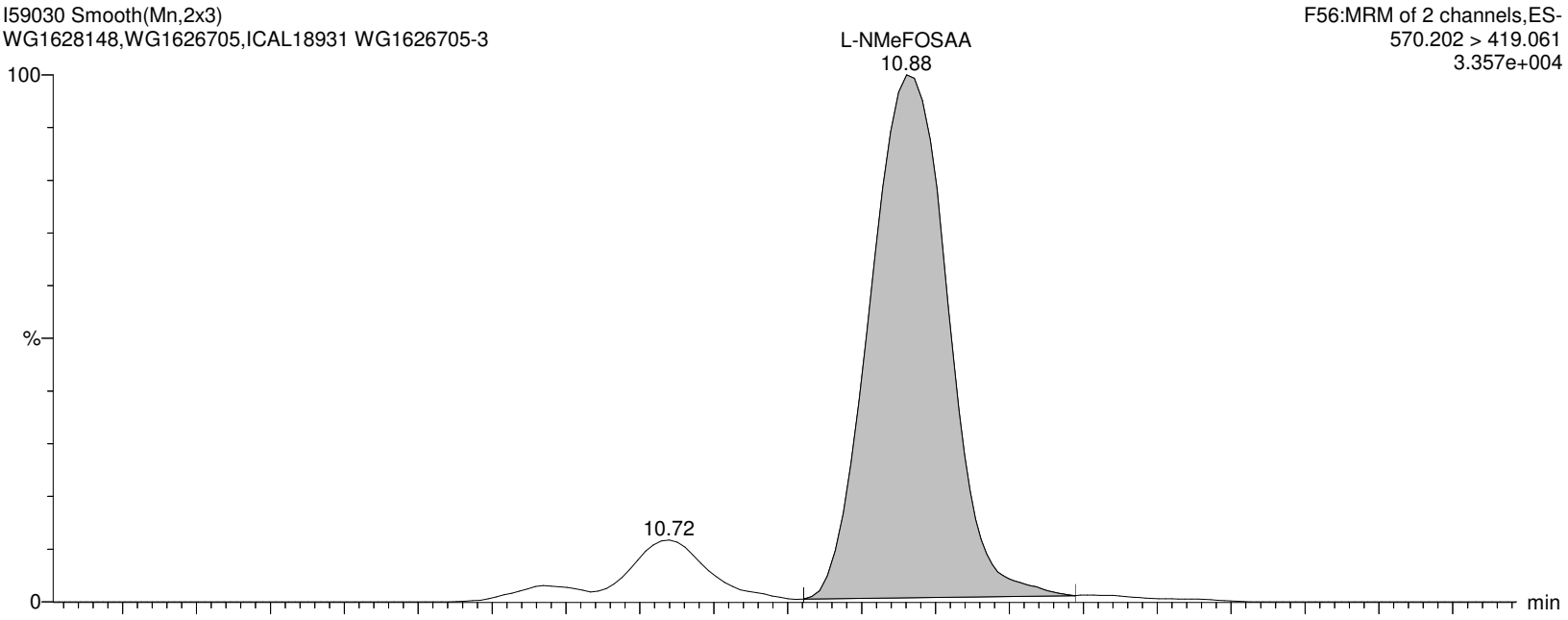


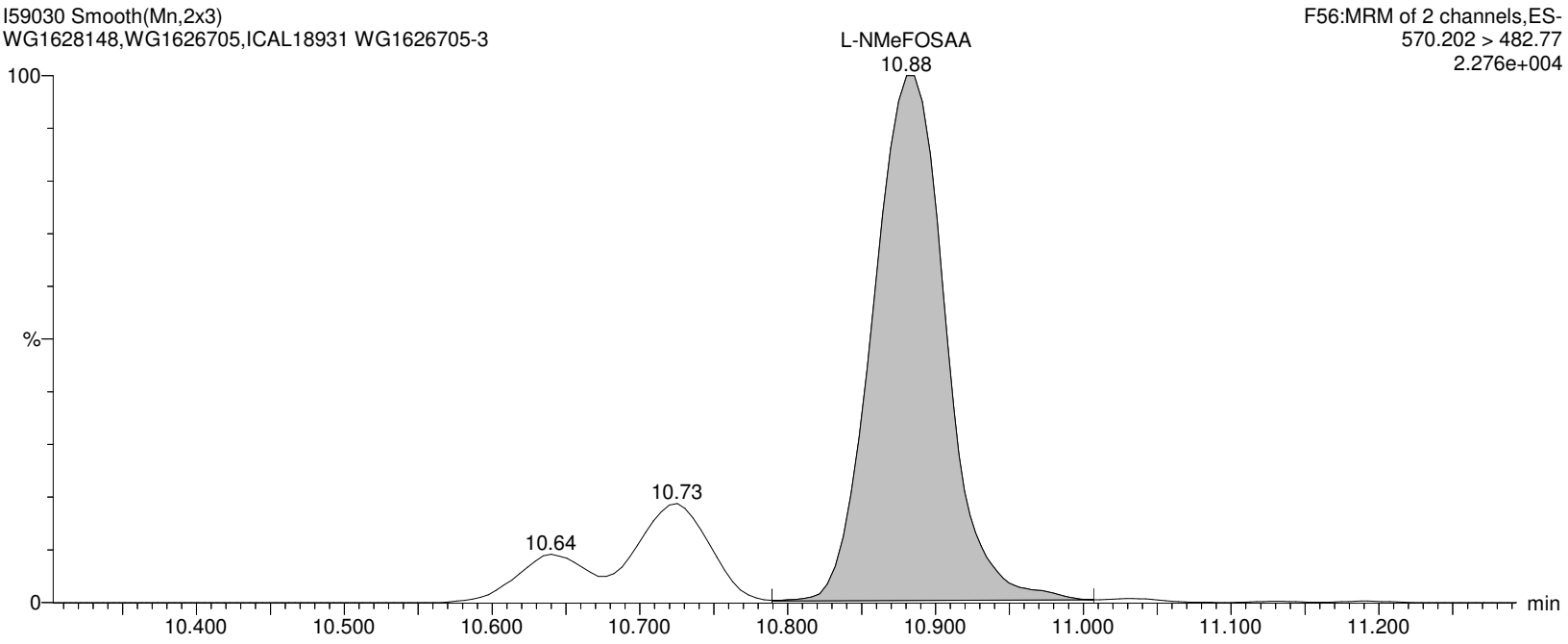
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NMeFOSAA



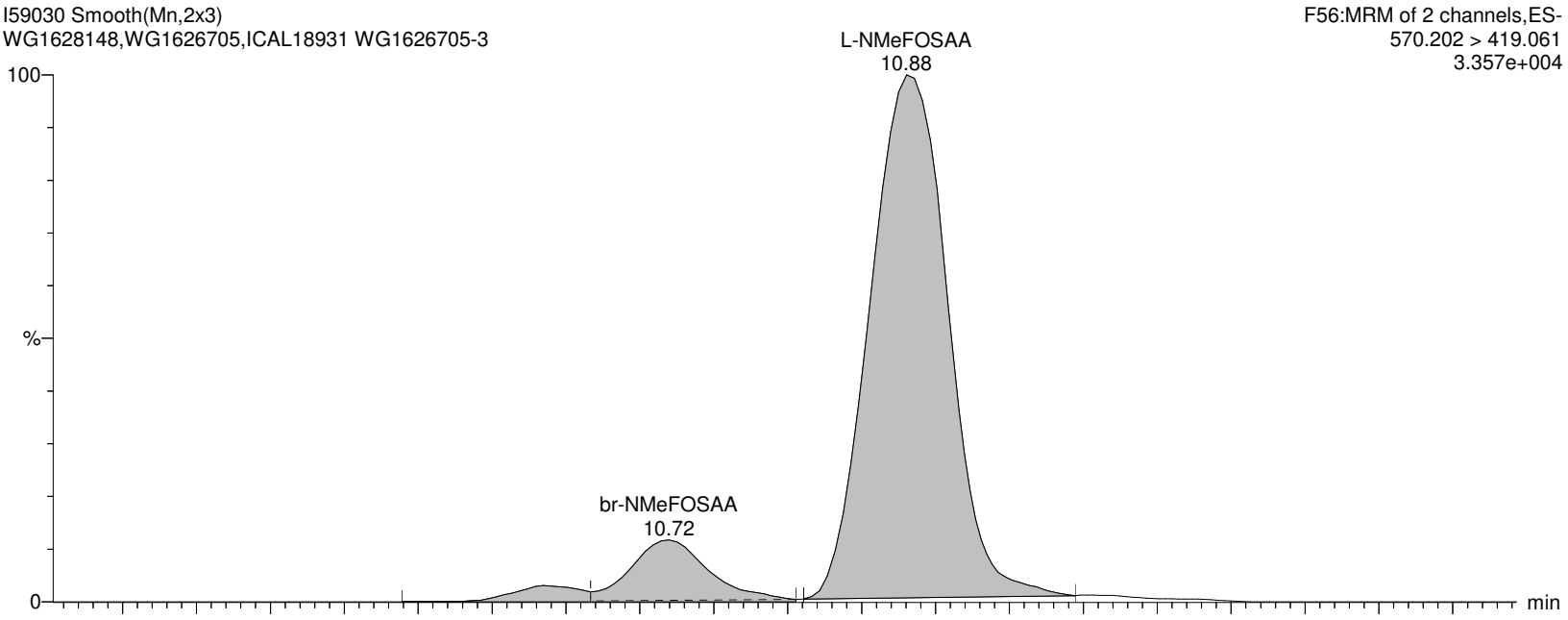


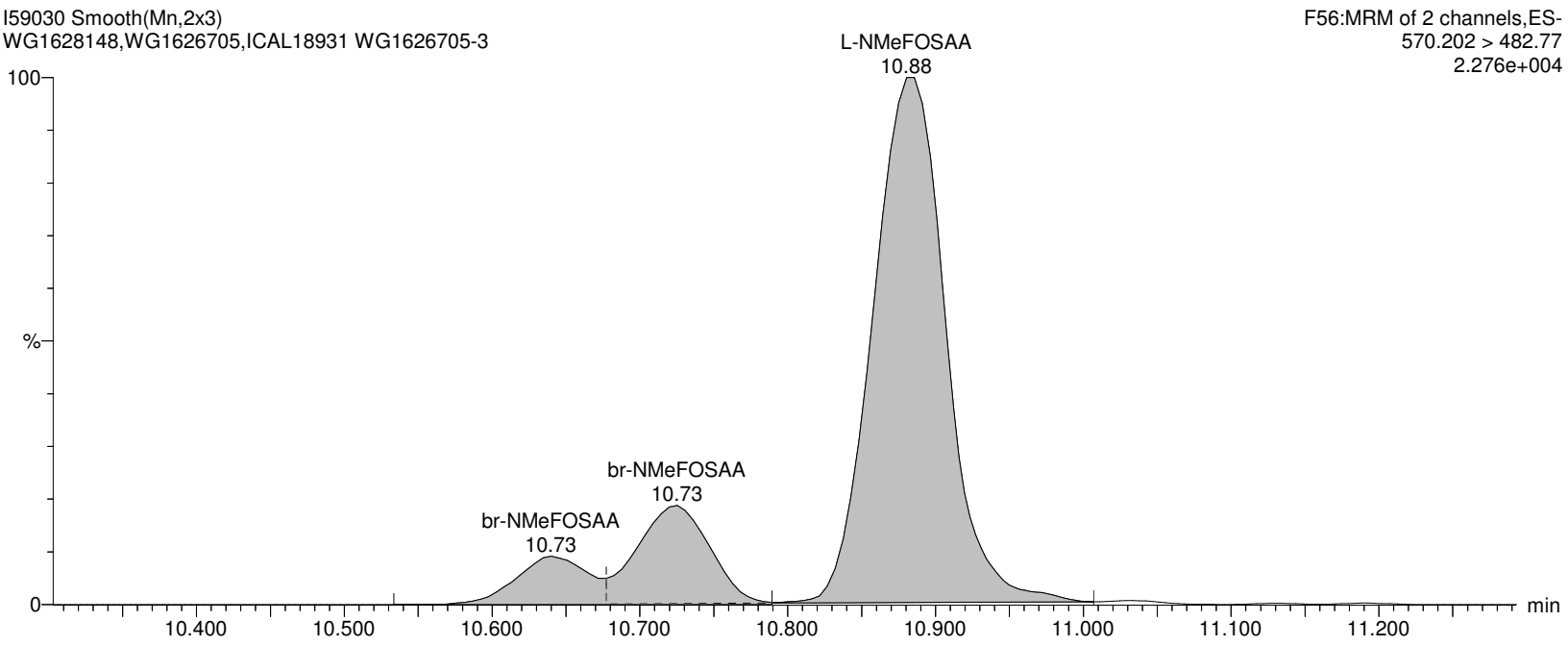
all concentration units in (ng/mL)

Alpha Analytical Inc.
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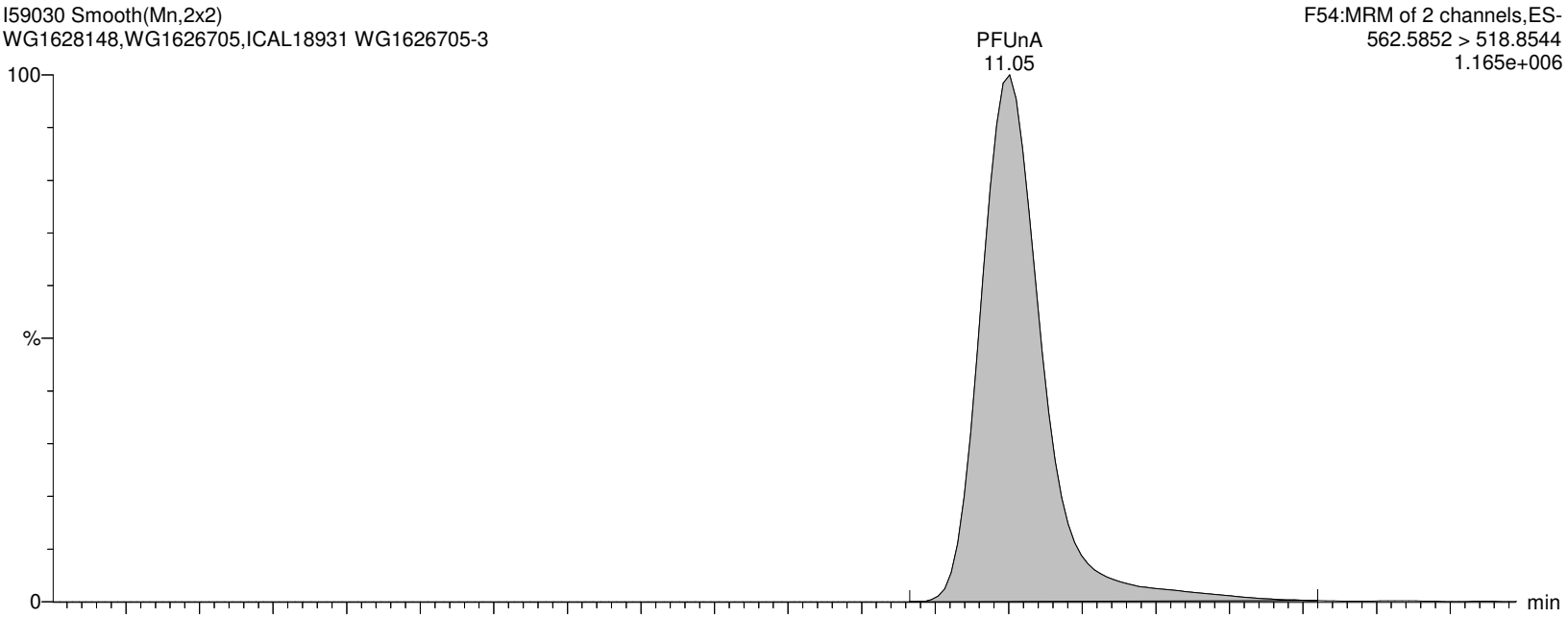


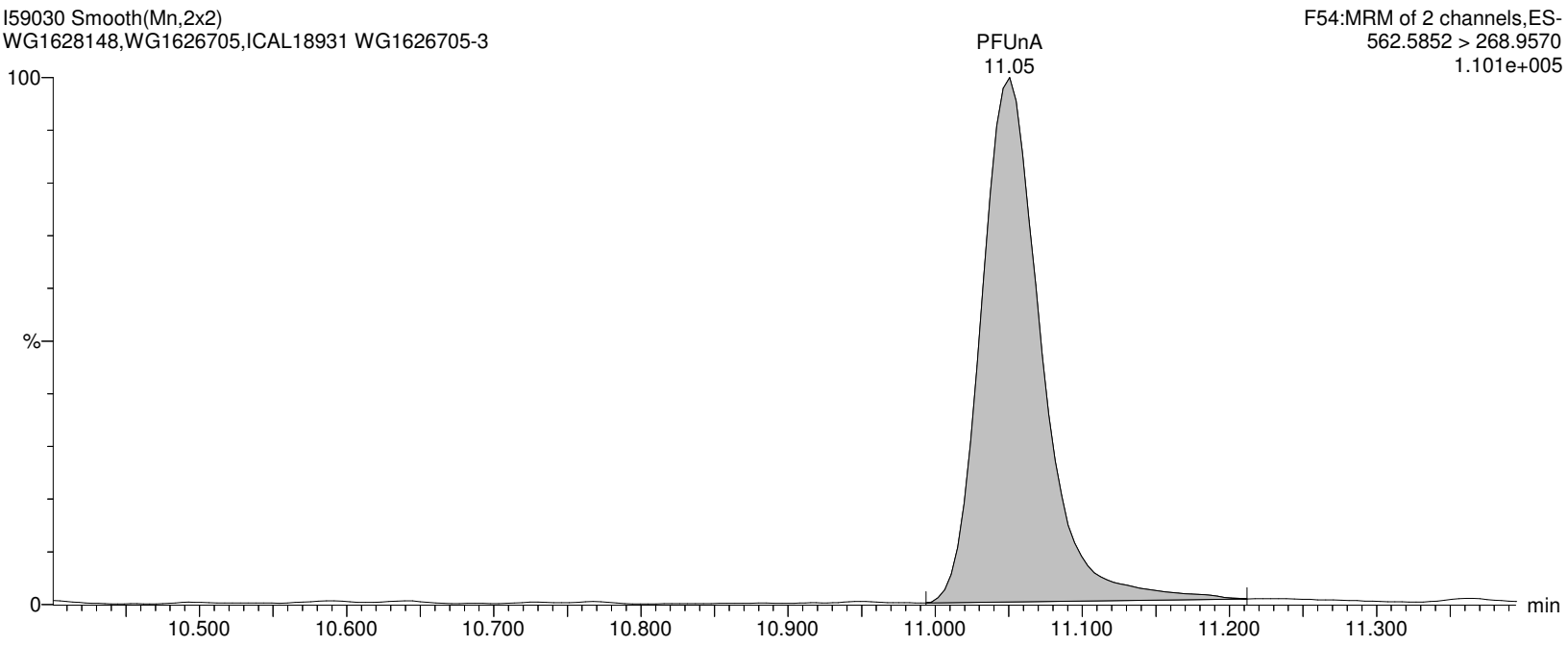
all concentration units in (ng/mL)

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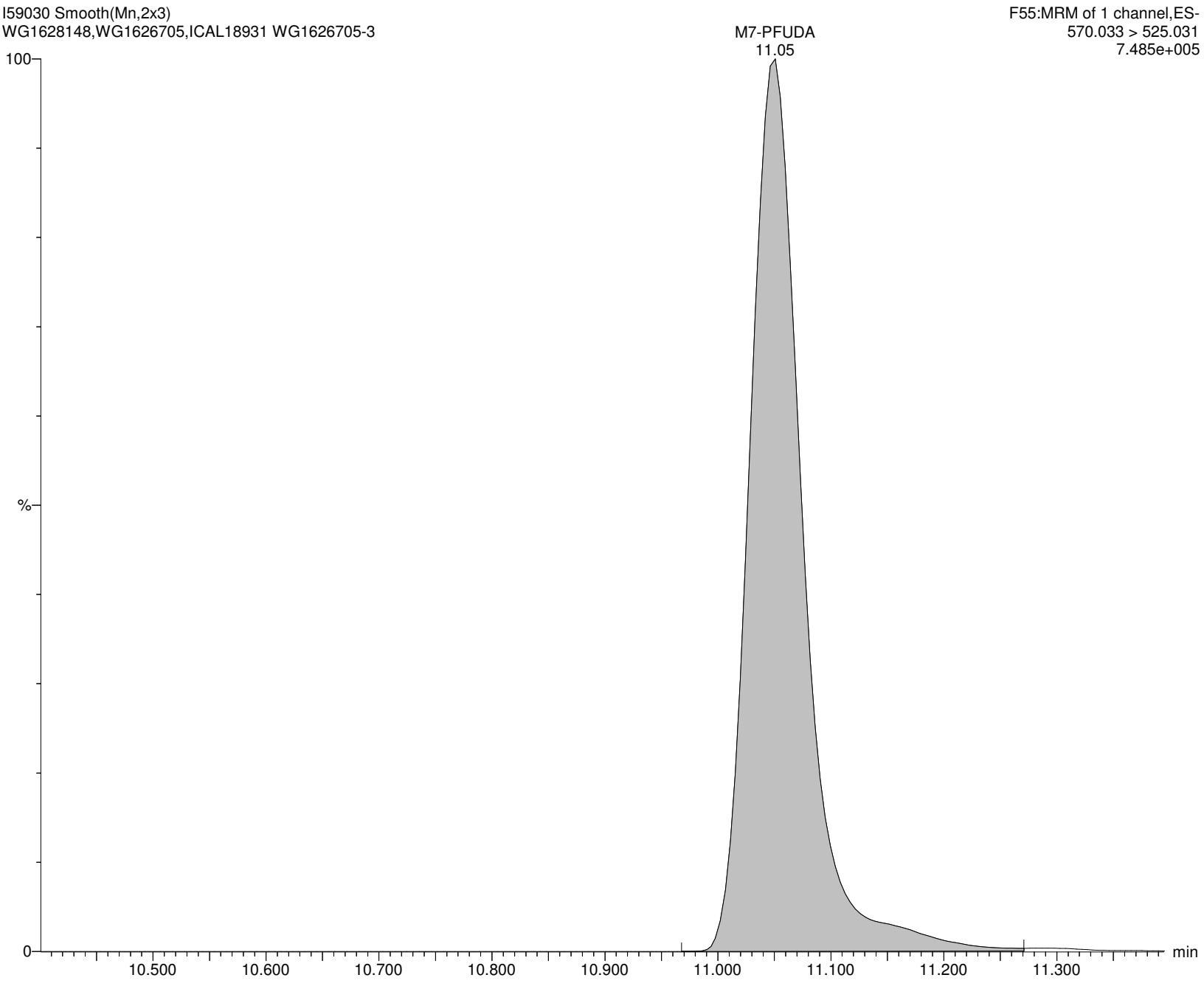


all concentration units in (ng/mL)

Alpha Analytical Inc.
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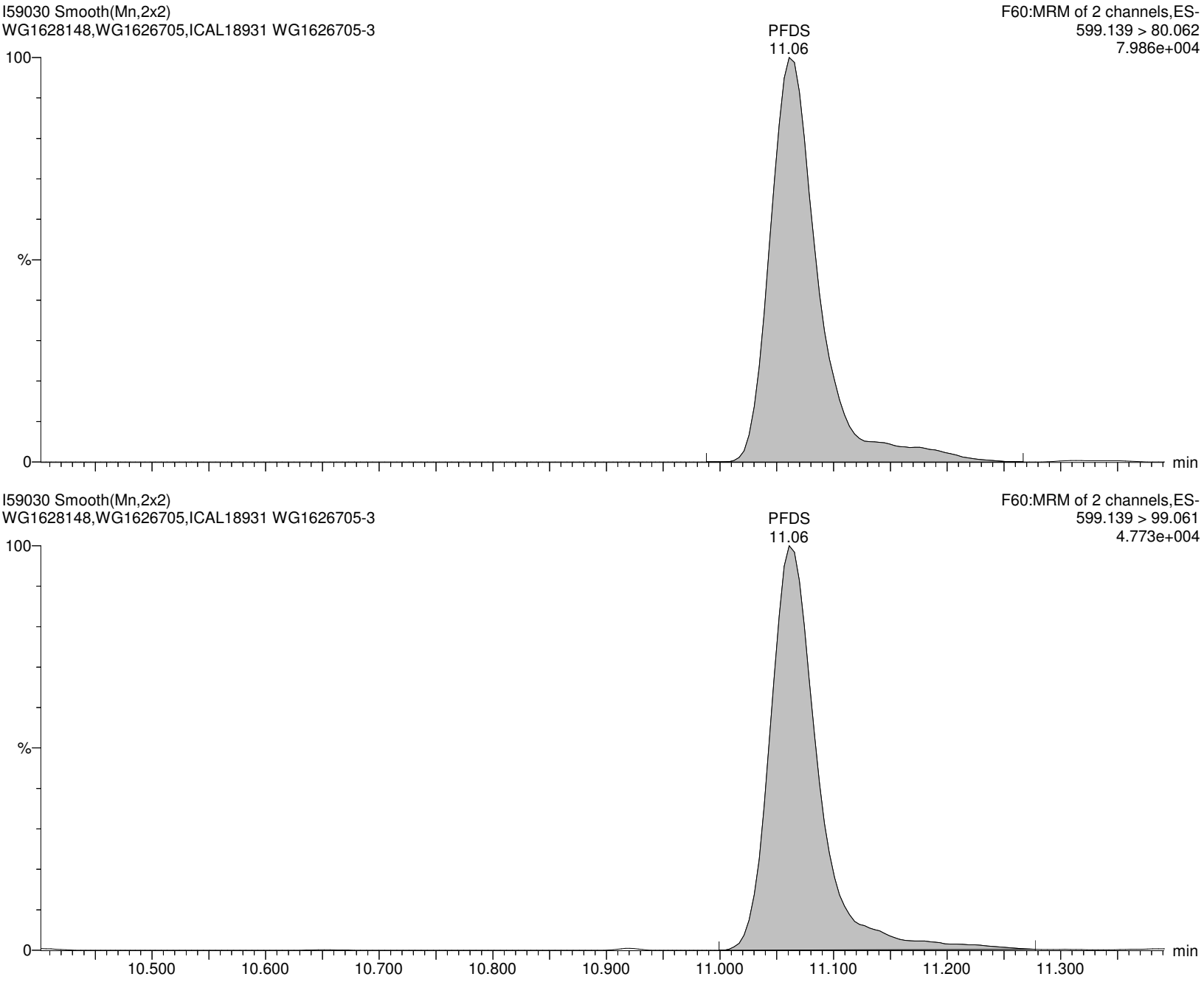


all concentration units in (ng/mL)

Alpha Analytical Inc.
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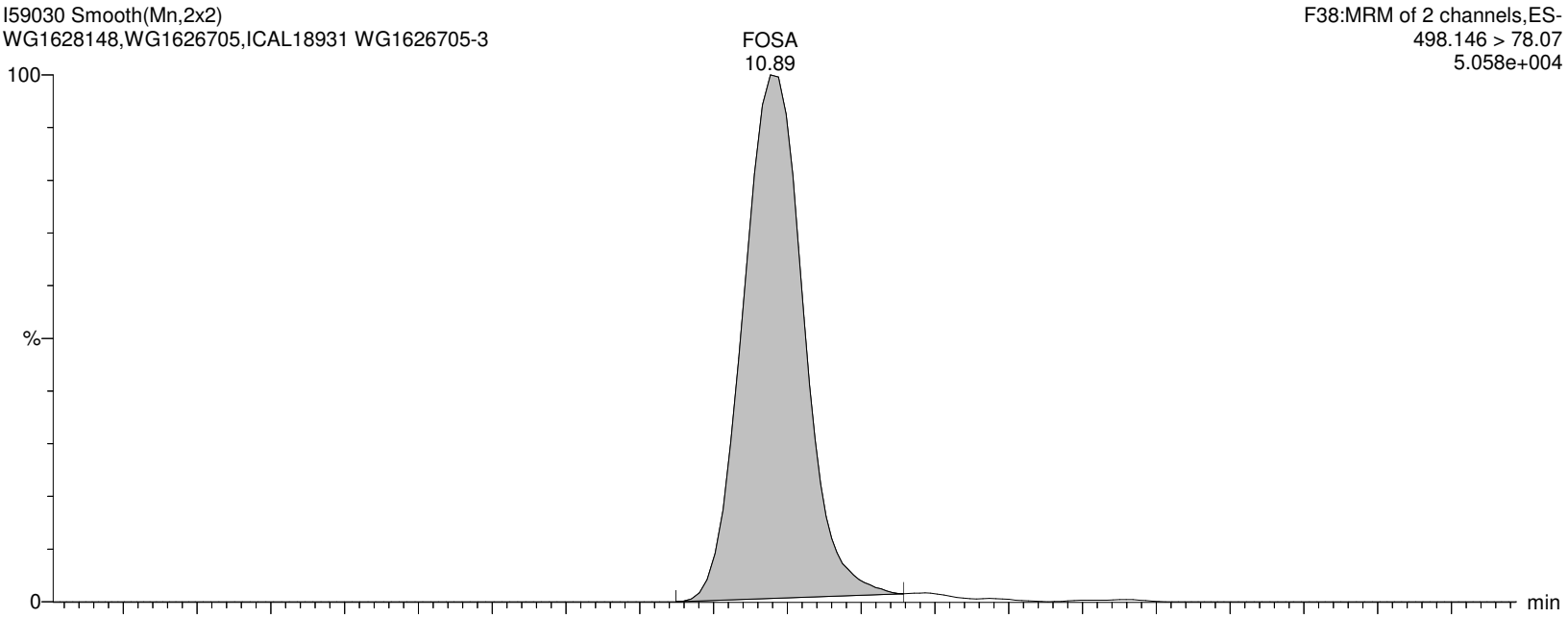


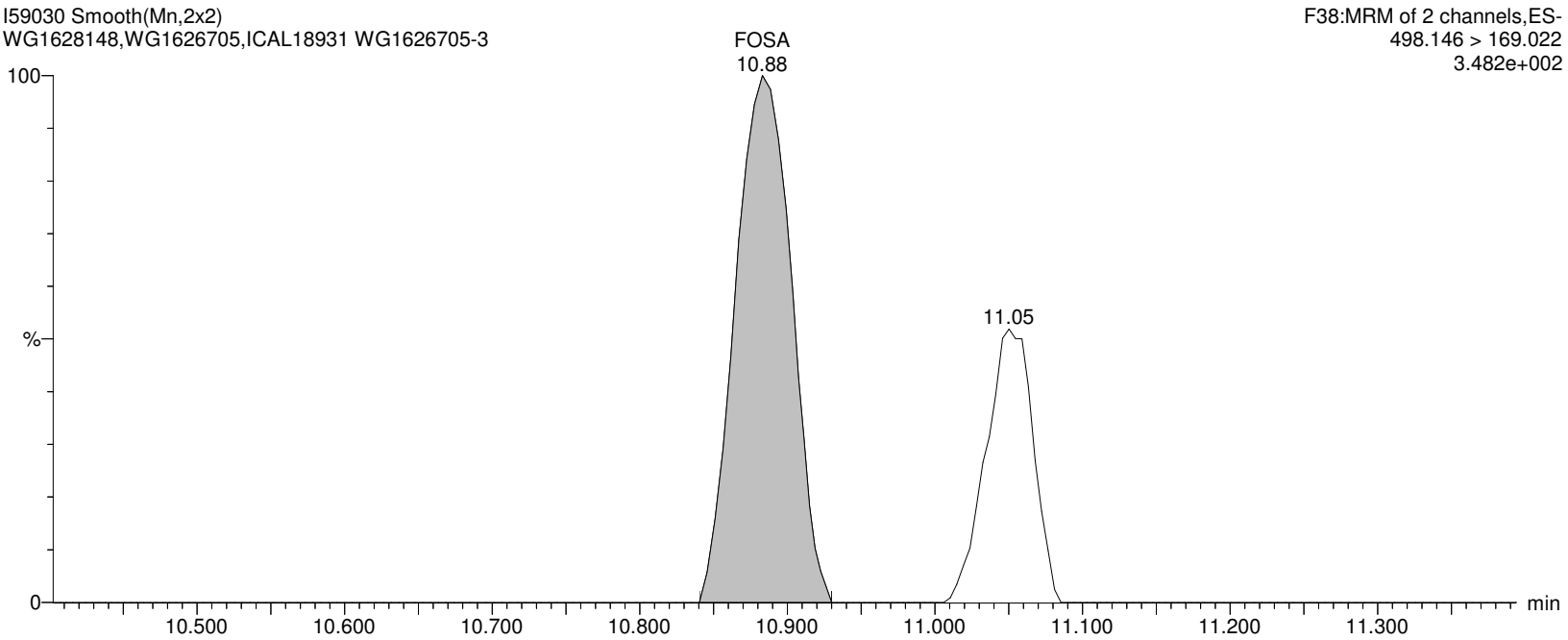
all concentration units in (ng/mL)

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FOSA



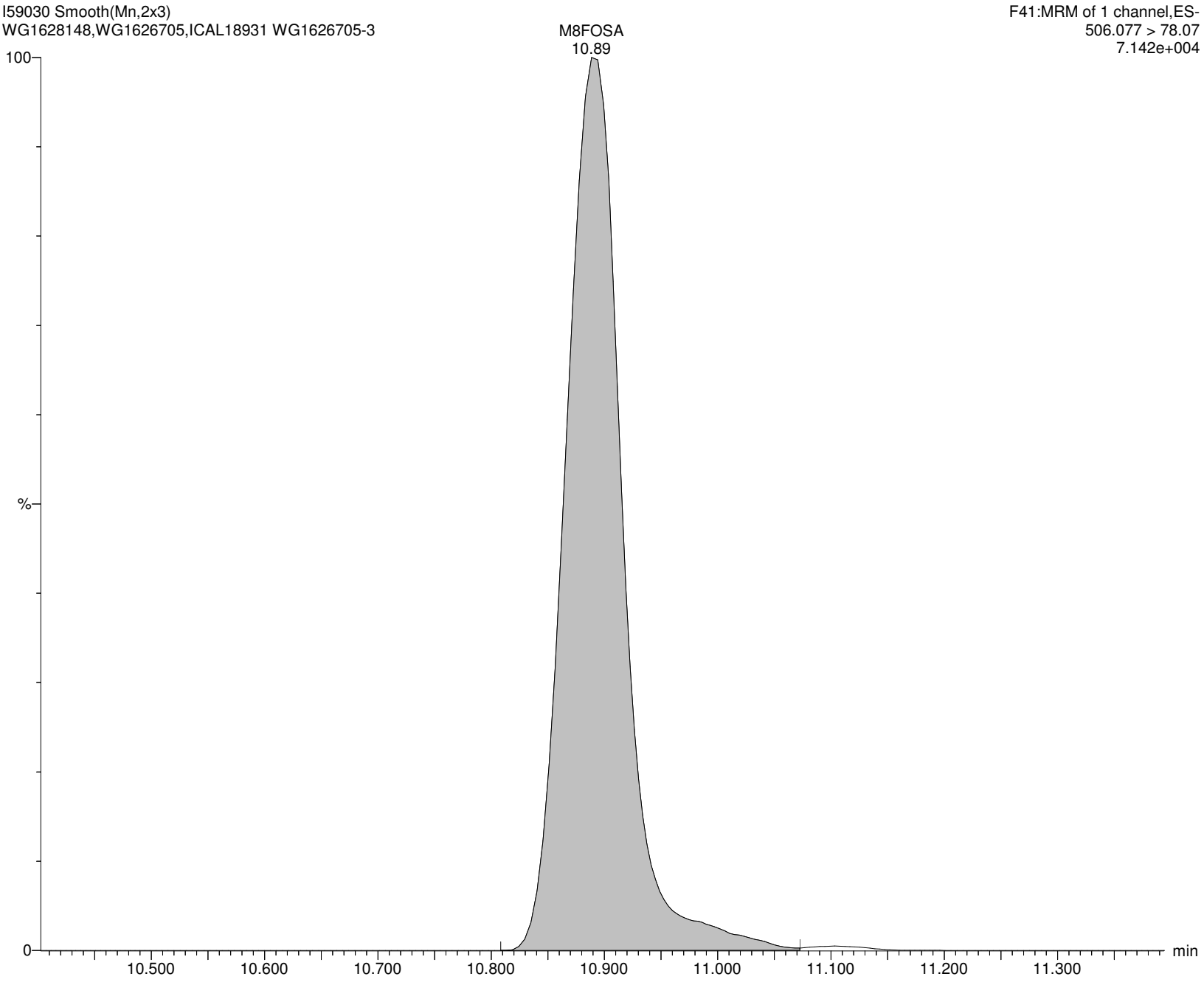


all concentration units in (ng/mL)

Alpha Analytical Inc.
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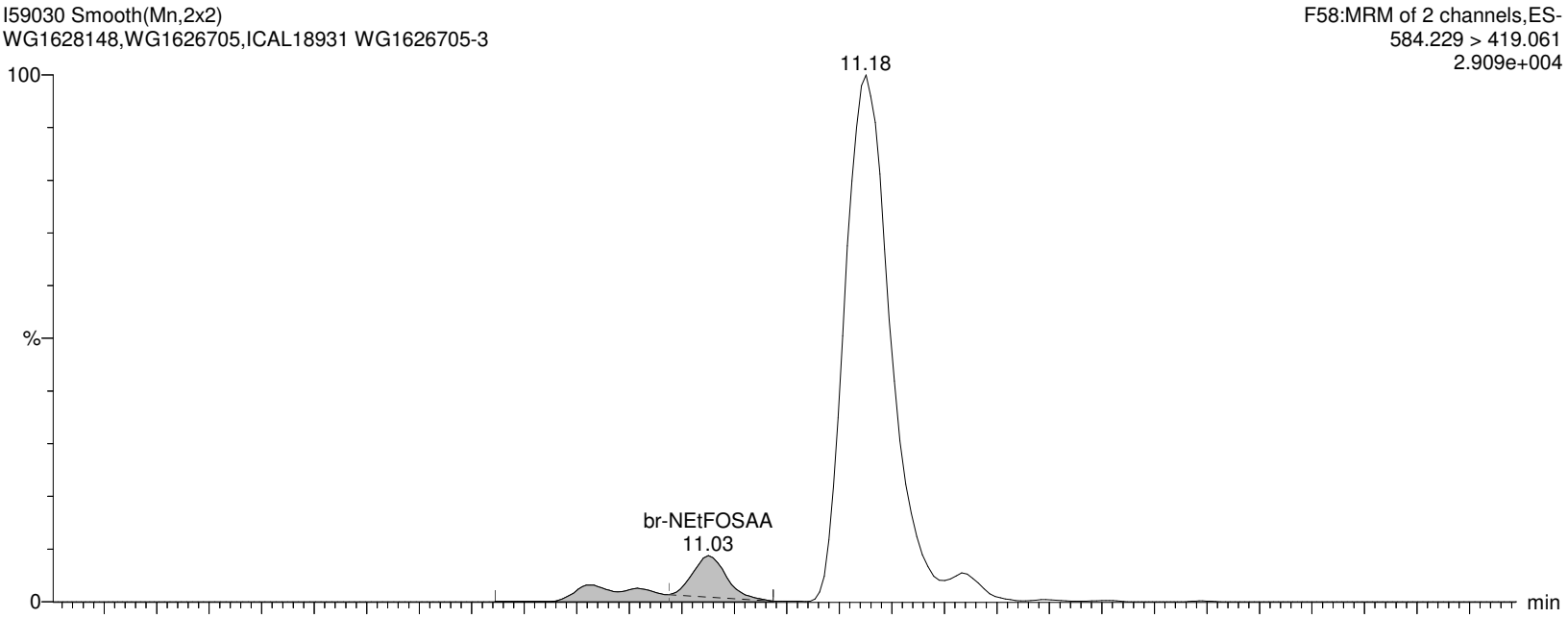


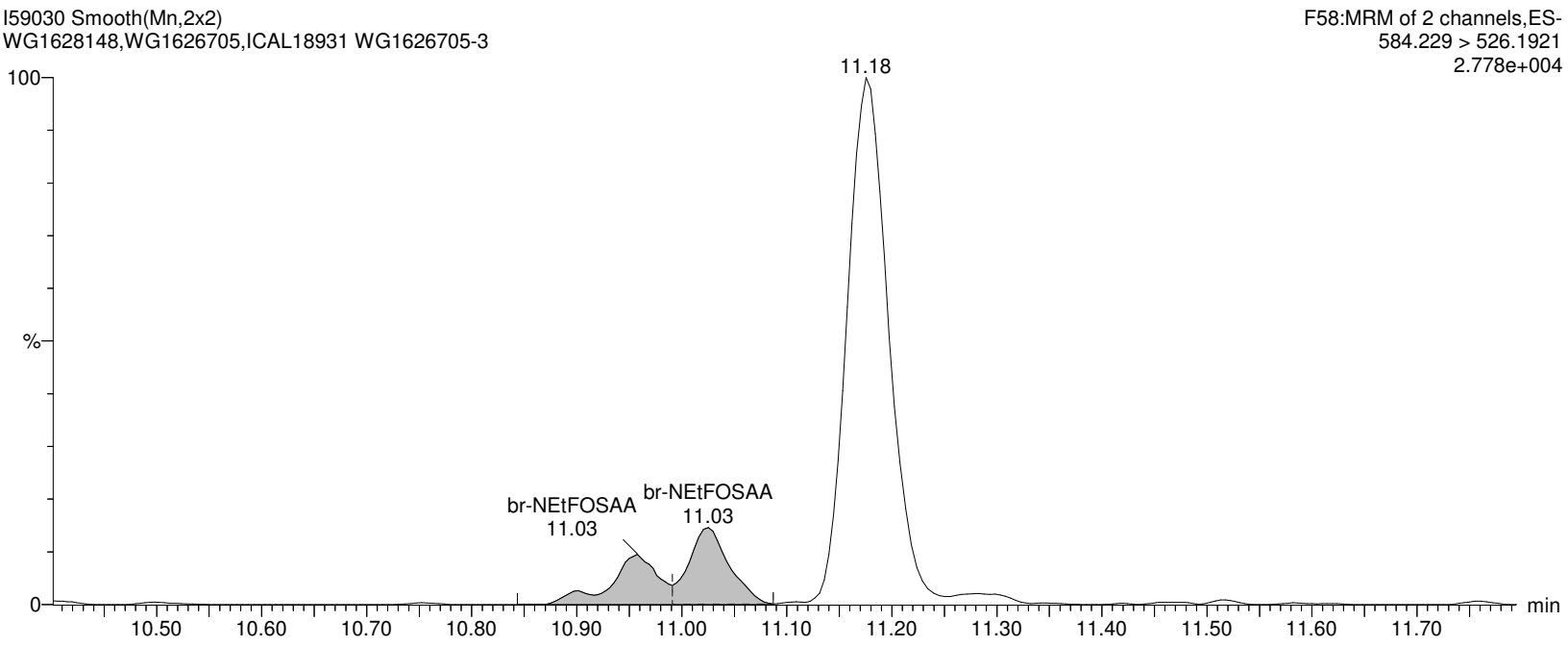
all concentration units in (ng/mL)

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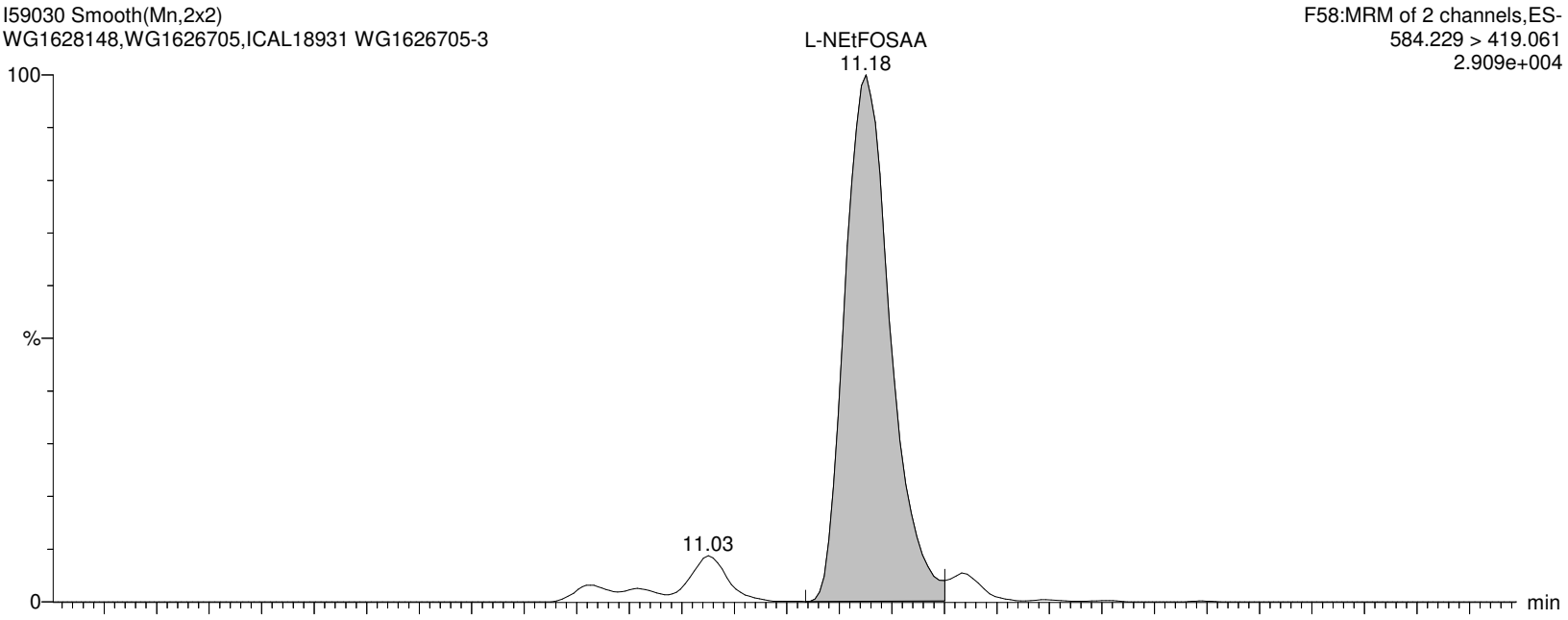


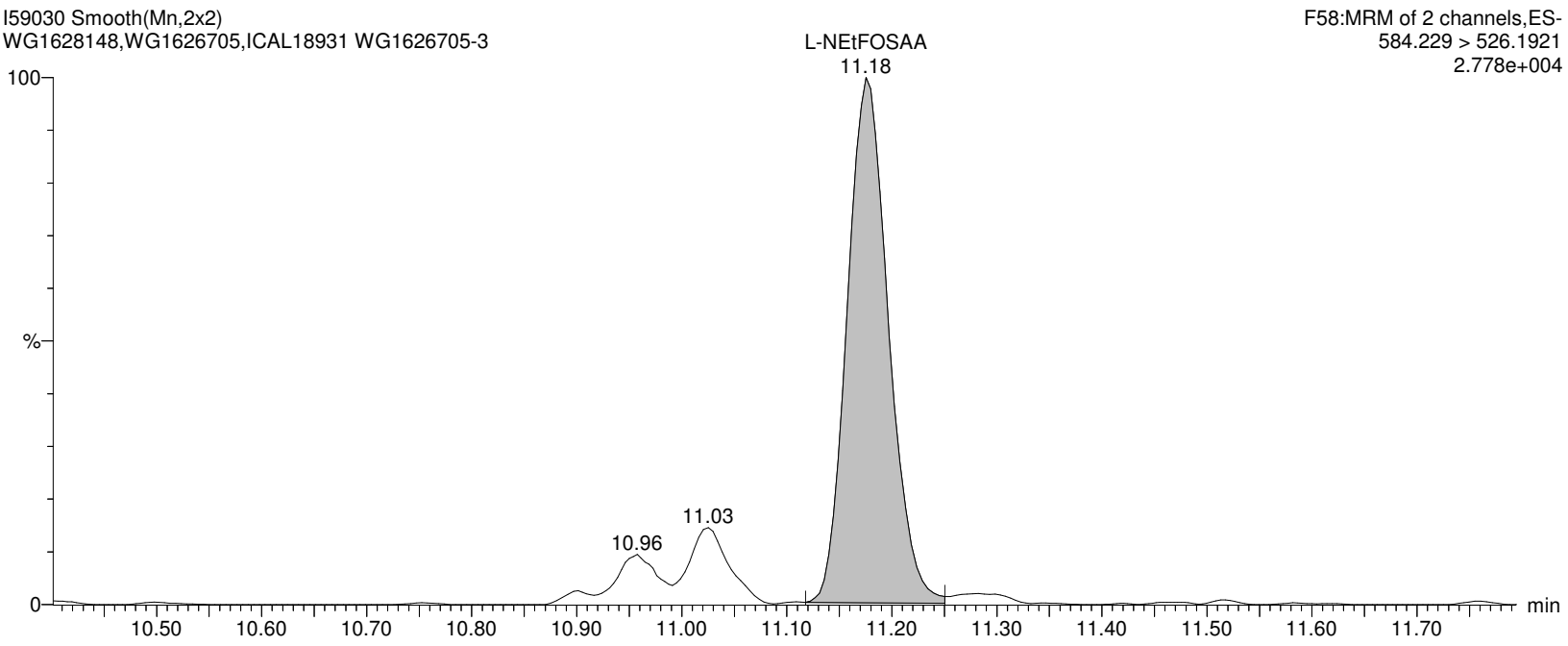
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NEtFOSAA



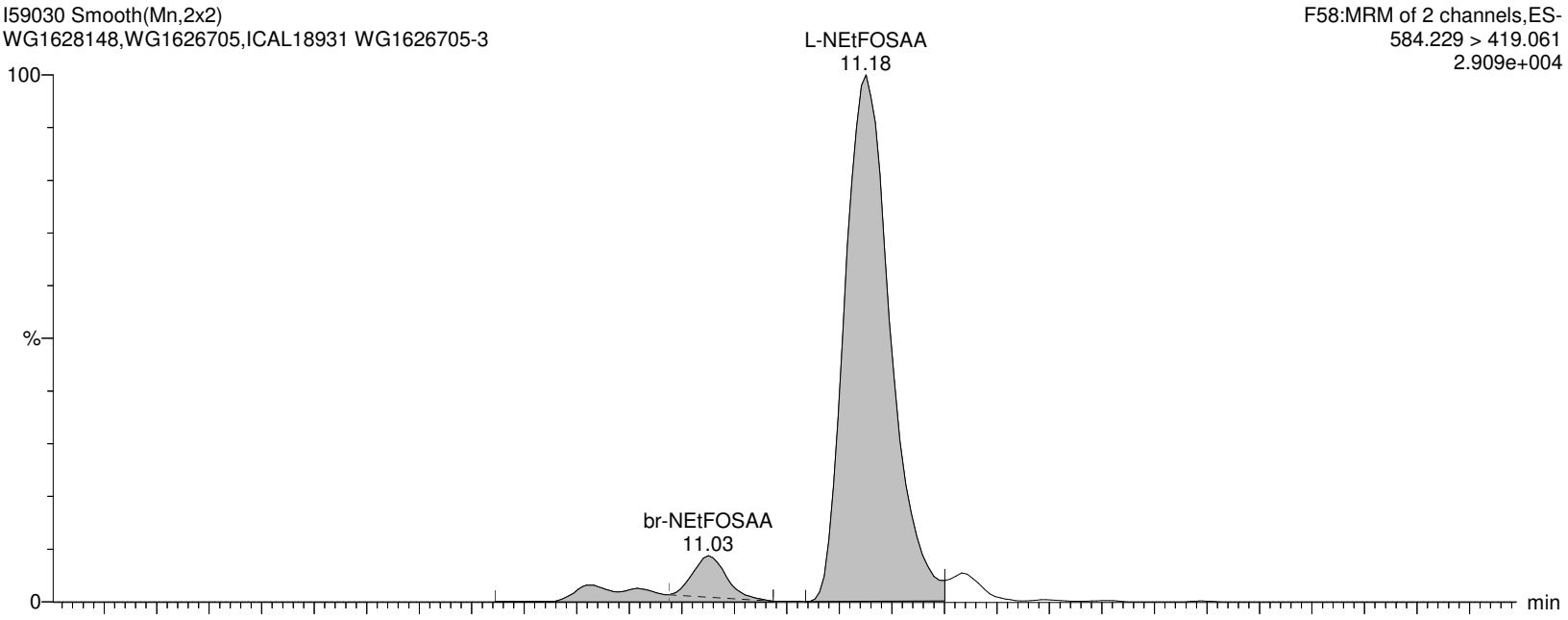


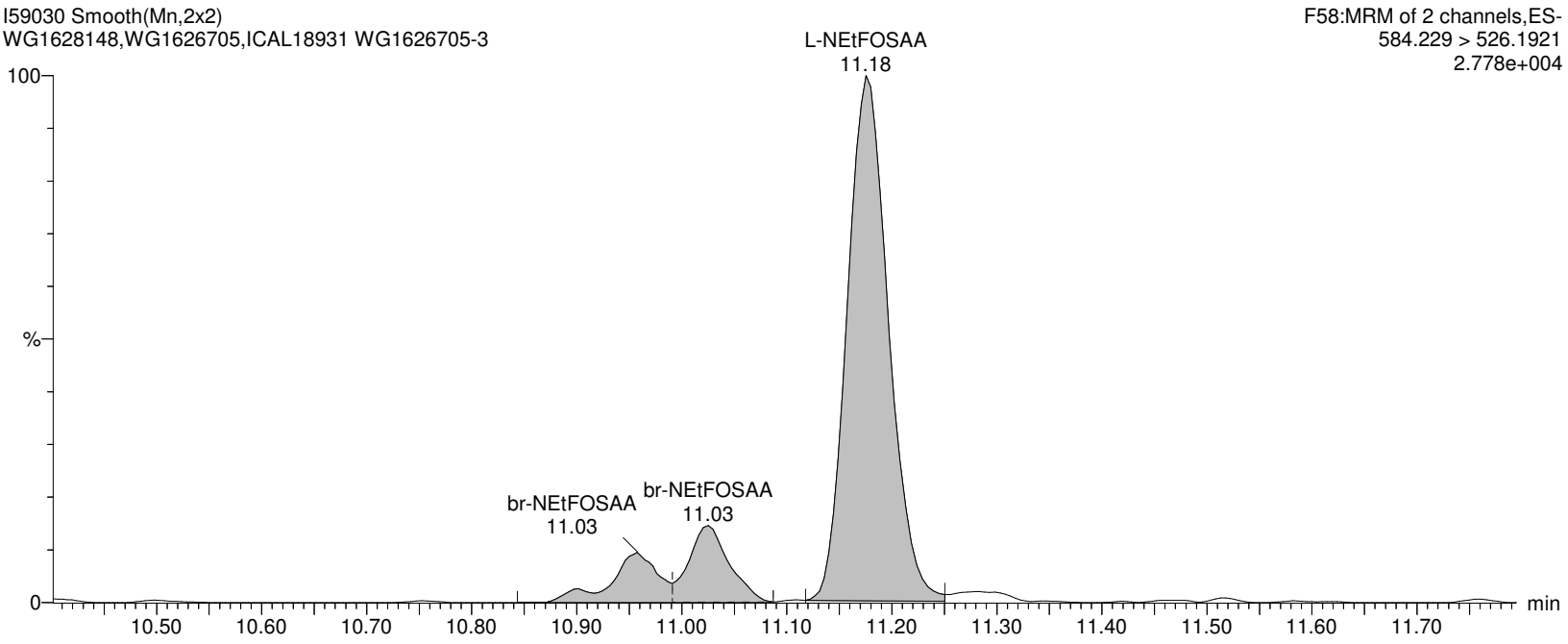
all concentration units in (ng/mL)

Alpha Analytical Inc.
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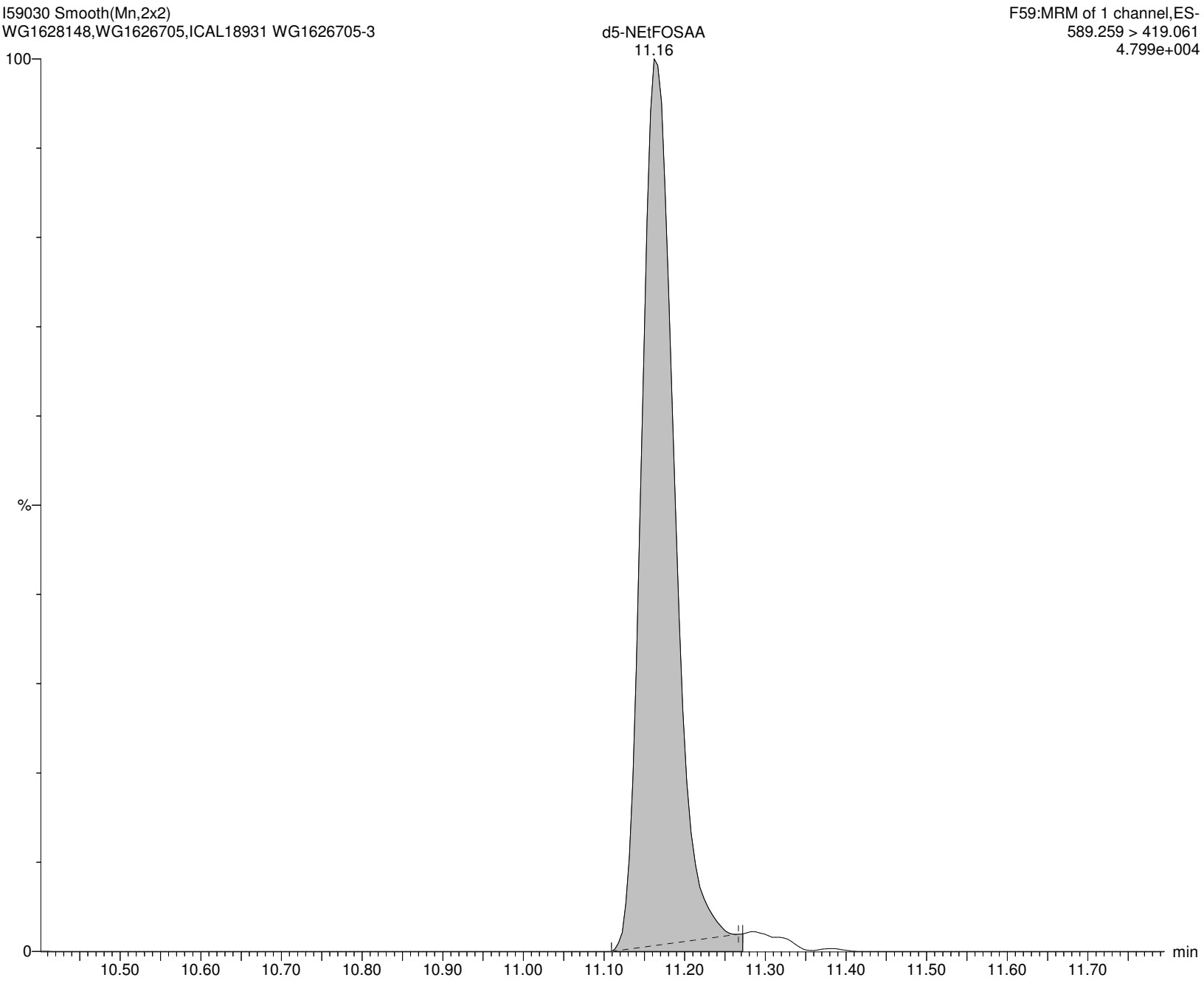


all concentration units in (ng/mL)

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d5-NEtFOSAA

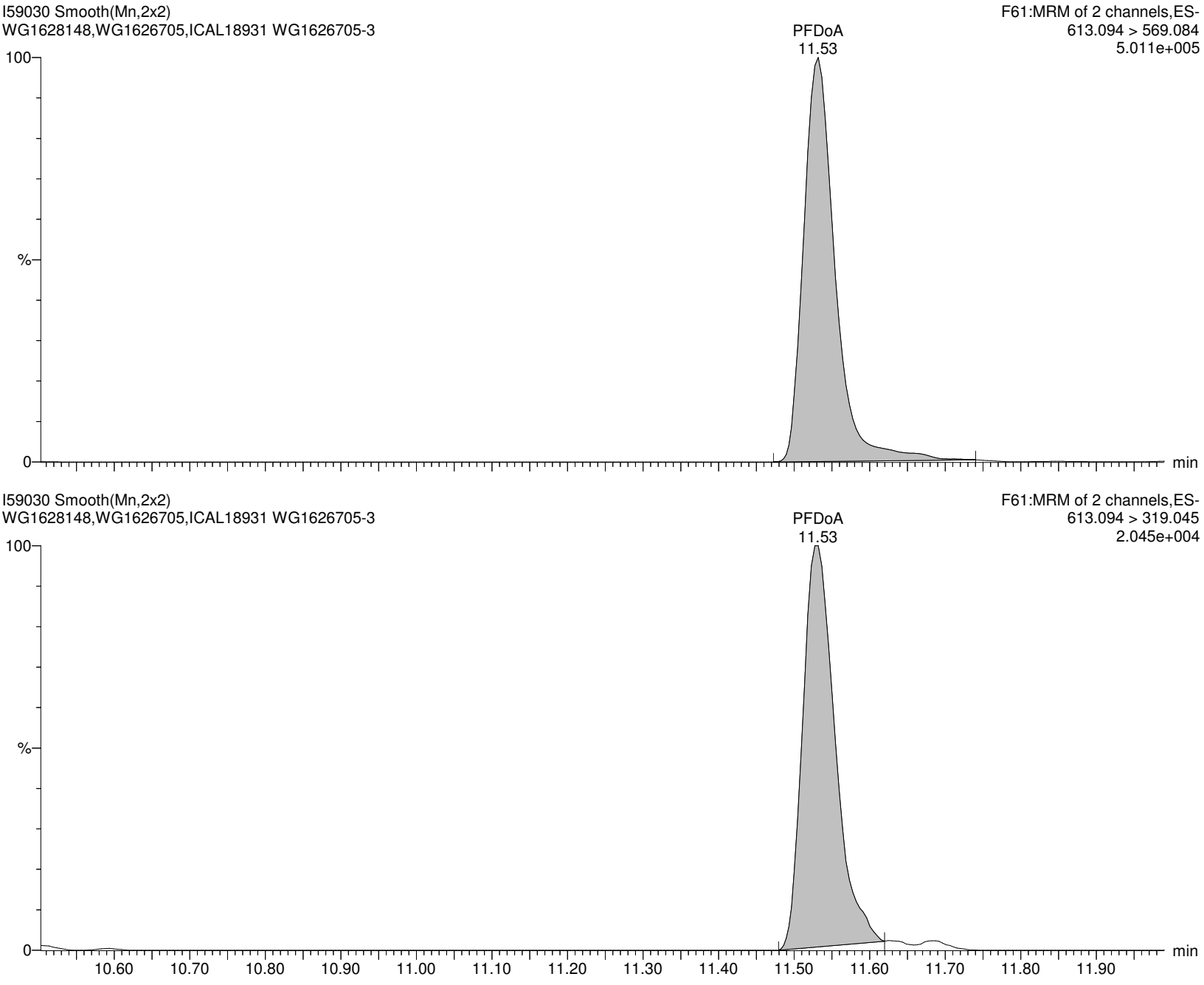


all concentration units in (ng/mL)

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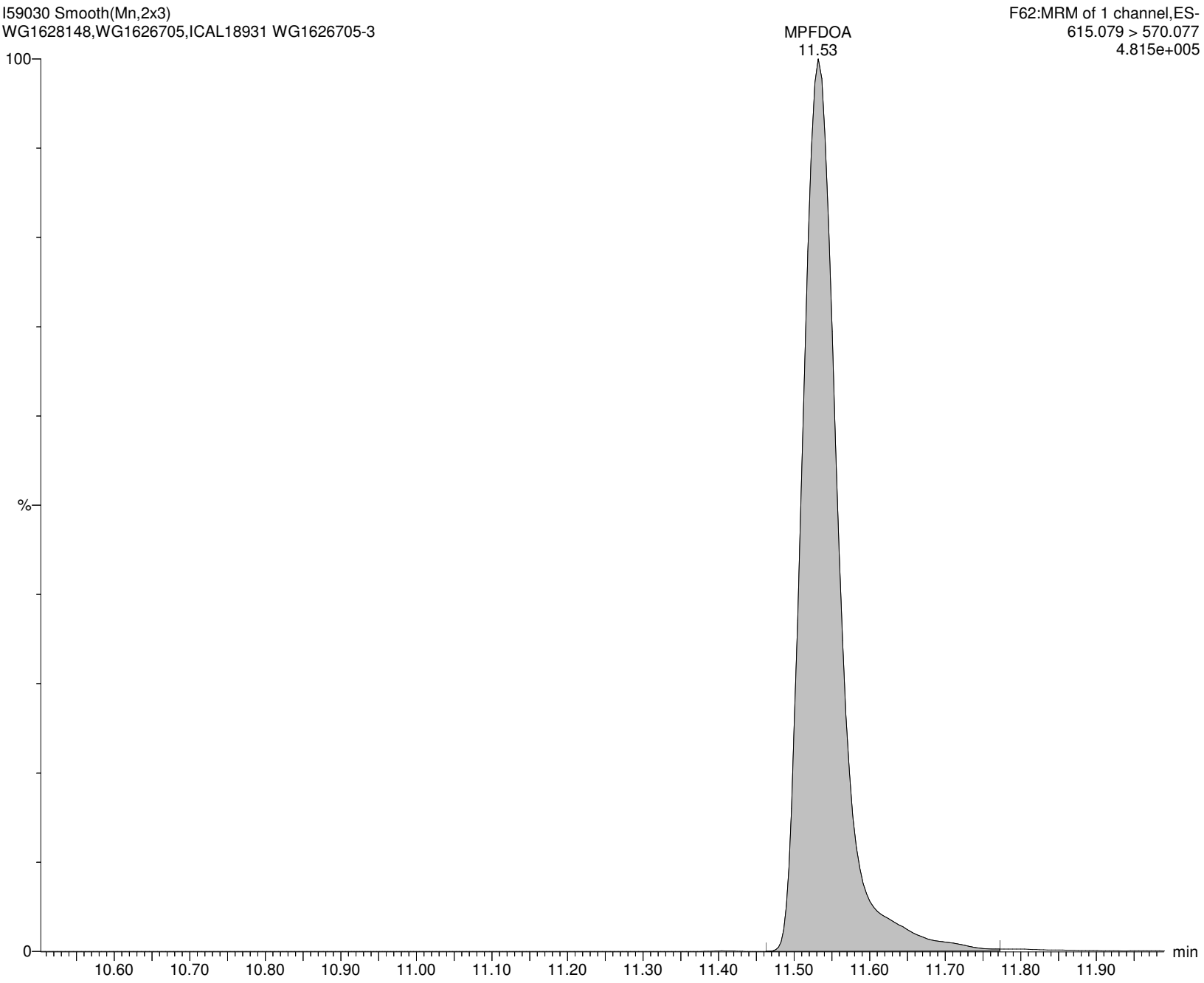


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ID: WG1626705-3
Date: 18-Apr-2022
Time: 01:34:29
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,7
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
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MPFDOA

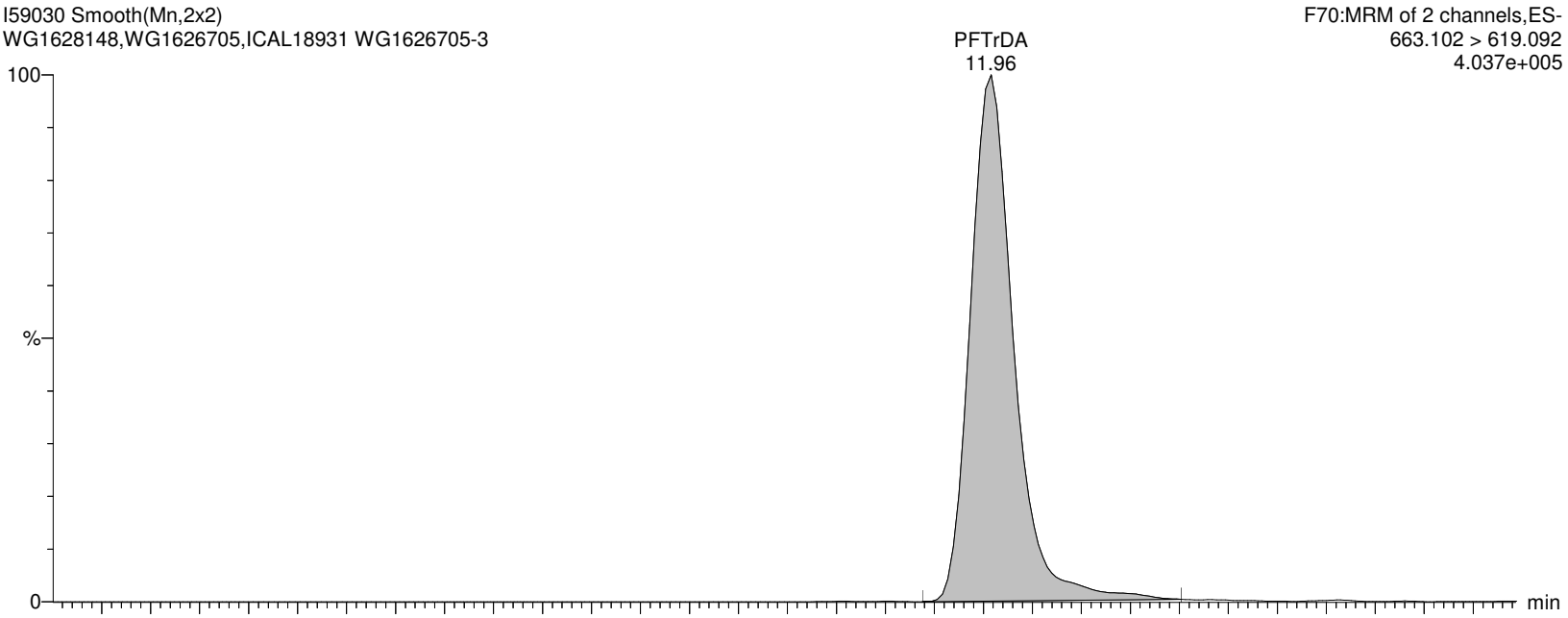


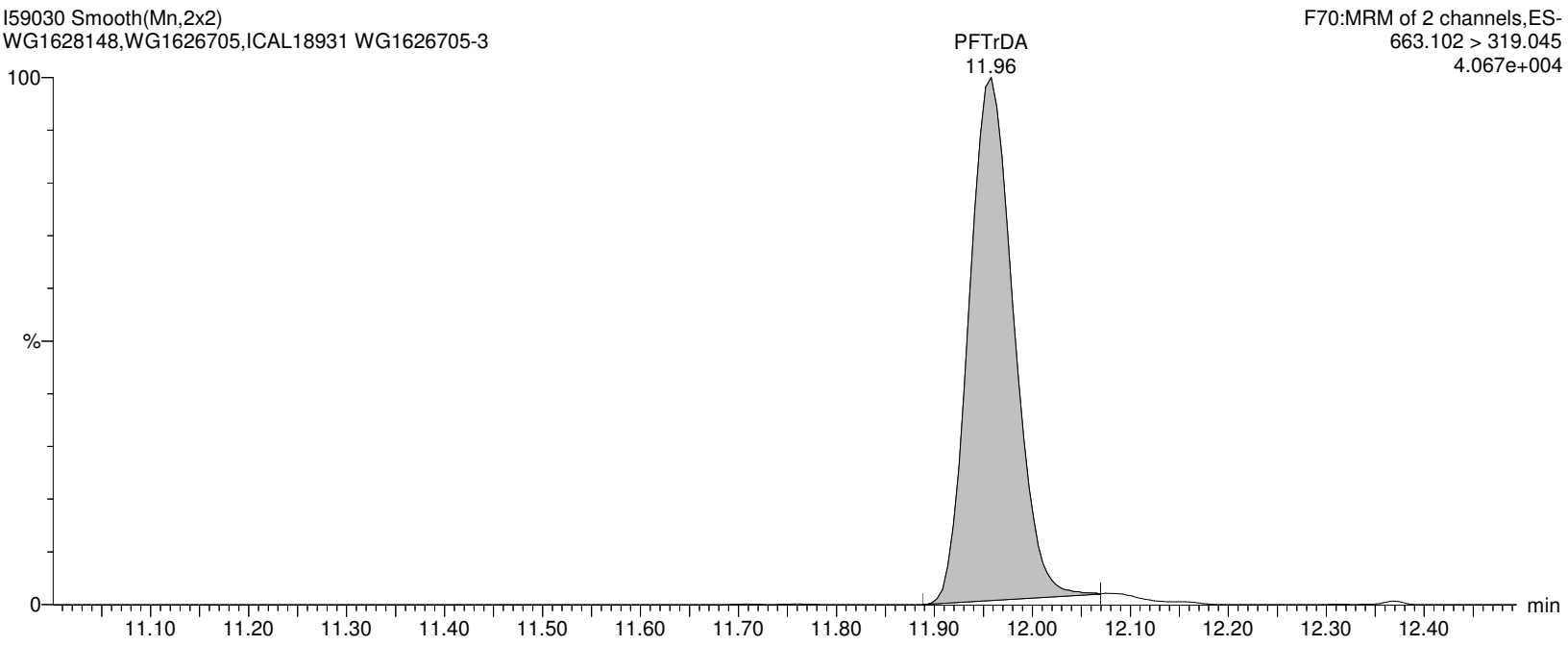
all concentration units in (ng/mL)

Alpha Analytical Inc.
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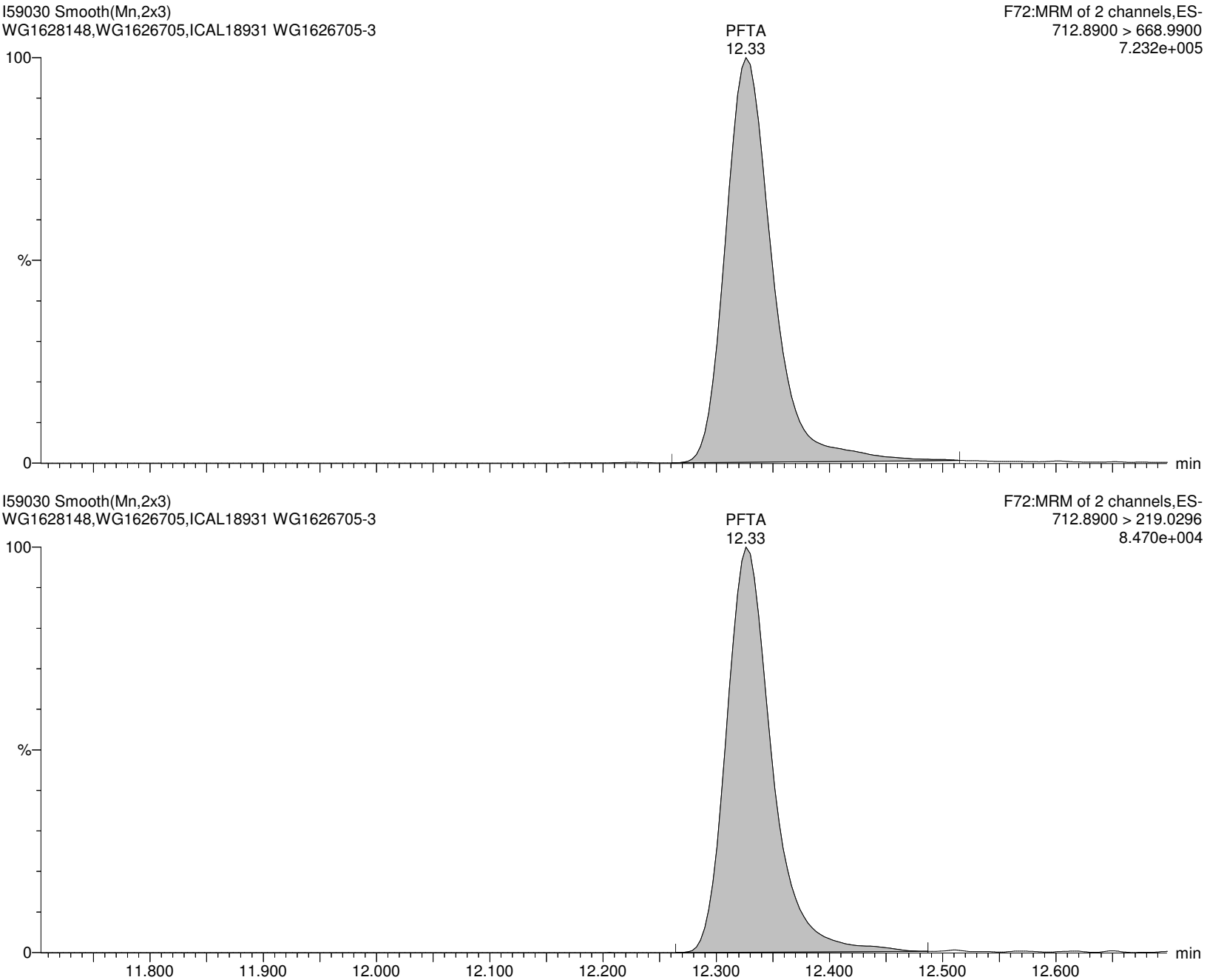


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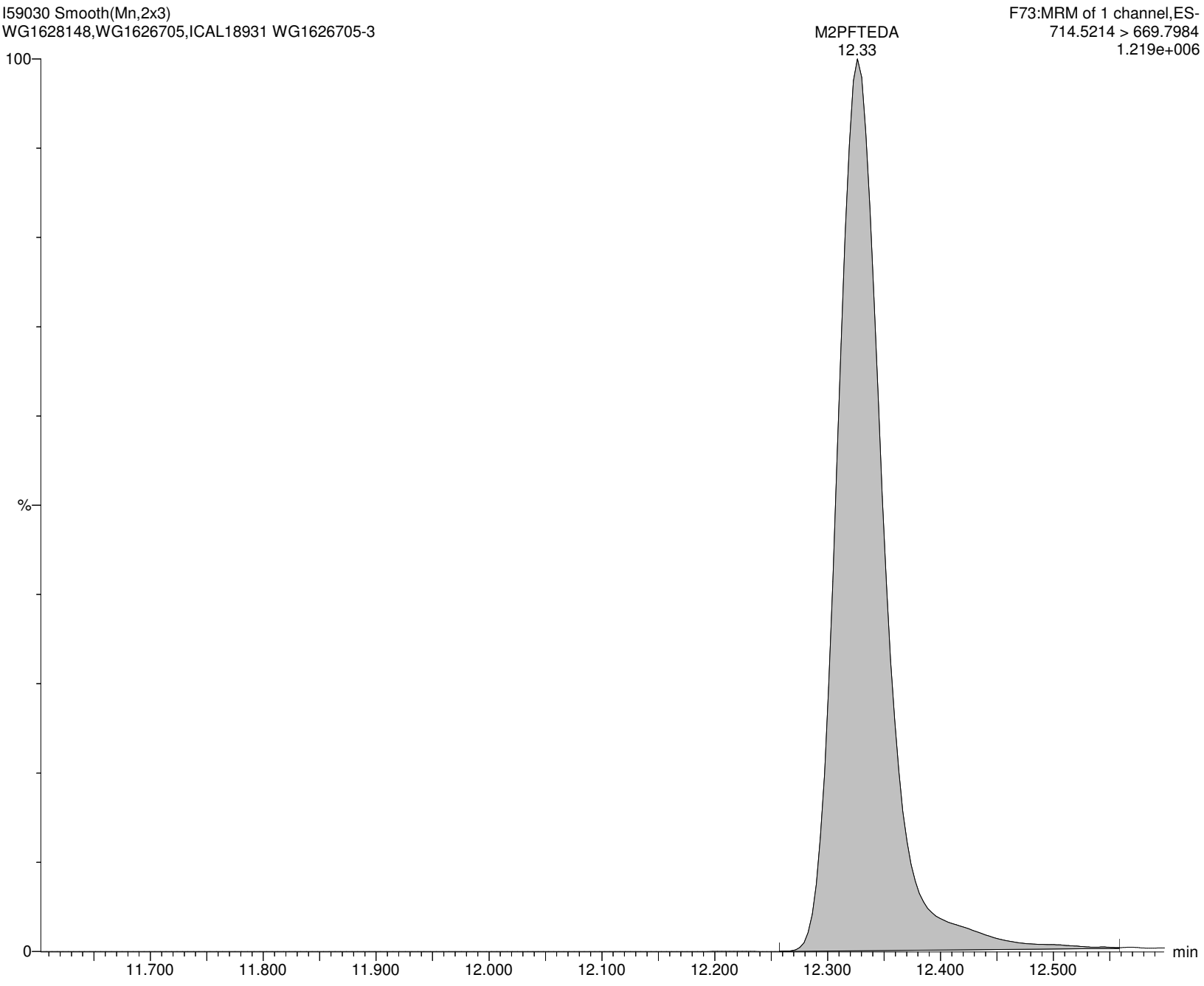


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M2PFTEDA



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Calibration: C:\MassLynx\Data\2022\220417_537ISO.PRO\CurveDB\220413_ISO_ICAL.cdb 13 Apr 2022 20:50:50

ID: WG1626705-4
Name: I59031
Date: 18-Apr-2022
Time: 01:51:03
Description: WG1628148,WG1626705,ICAL18931
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.12	213.032 > 169.022	20184		8.521		na	
2	M3PFBA	INT STD	2.12	216.009 > 171.999	26130		10.258		na	102.6
3	MPFBA	INT STD	2.12	217.001 > 171.999	27609		9.471		na	94.7
4	PFPeA	2706-90-3	4.99	263.039 > 219.03	26354		8.911		na	
5	M5PFPEA	INT STD	4.99	268.001 > 222.999	38286		10.692		na	106.9
6	PFBS	375-73-5	5.64	299.092 > 80.062	9220		8.655	1.99	NO	
7	M3PFBS	INT STD	5.64	302.069 > 80.062	9628		9.869		na	105.9
8	4:2FTS	757124-72-4	6.80	327.146 > 307.139	5296		7.197	2.38	NO	
9	M2-4:2FTS	INT STD	6.80	329.13 > 309.124	6971		16.009		na	170.7
10	PFHxA	307-24-4	6.88	313.047 > 269.037	39248		8.413	16.86	NO	
11	M5PFHxA	INT STD	6.88	318.009 > 273.007	47979		8.079		na	80.8
12	PFPeS	2706-91-4	7.20	349.1 > 80.062	7418		7.072	2.42	NO	
13	PFHpA	375-85-9	8.16	363.055 > 319.045	54413		8.282	6.19	NO	
14	M4PFHpA	INT STD	8.16	367.025 > 322.022	65322		9.192		na	91.9
15	br-PFHxS	355-46-4	8.08	399.107 > 80.062	1164	M5,M7	1.466	2.18	NO	
16	L-PFHxS	355-46-4	8.32	399.107 > 80.062	5498		6.051	1.57	NO	
17	PFHxS	355-46-4		399.107 > 80.062	6662		7.518		na	
18	M3PFHxS	INT STD	8.32	402.084 > 80.062	9751		10.658		na	112.4
19	br-PFOA	335-67-1	8.88	412.8430 > 368.9430	2331	M5	0.254	3.17	NO	
20	L-PFOA	335-67-1	9.11	412.8430 > 368.9430	95718		10.439	8.89	NO	
21	PFOA	335-67-1		412.8430 > 368.9430	98048		10.693		na	
22	M8PFOA	INT STD	9.11	420.7128> 375.9279	93150		9.716		na	97.2
23	M2PFOA	INT STD	9.11	414.828 > 369.935	88632		13.591		na	135.9
24	6:2FTS	27619-97-2	9.07	427.161 > 407.155	3326		7.876	3.31	NO	
25	M2-6:2FTS	INT STD	9.07	429.146 > 409.14	4150		10.604		na	111.5
26	PFHpS	375-92-8	9.20	449.115 > 80.062	4942		7.754	1.28	NO	
27	PFNA	375-95-1	9.87	462.8510 > 418.951	55586		8.063	3.61	NO	
28	M9PFNA	INT STD	9.87	471.649 > 426.8751	80951		9.042		na	90.4
29	br-PFOS	1763-23-1	9.73	498.9030 > 79.9520	3936	M5,M7	2.774	4.47	YES	
30	L-PFOS	1763-23-1	9.92	498.9030 > 79.9520	8624		7.859	1.64	NO	
31	PFOS	1763-23-1		498.9030 > 79.9520	12560		10.633		na	
32	M4PFOS	INT STD	9.92	502.8730 > 79.952	9304		14.262		na	142.6
33	M8PFOS	INT STD	9.92	506.5852> 79.9565	12247		10.233		na	106.7
34	PFDA	335-76-2	10.50	512.8580 > 468.9590	59686		7.792	6.48	NO	
35	M2PFDA	INT STD	10.50	514.8332 > 469.8243	77027		14.350		na	143.5
36	M6PFDA	INT STD	10.50	518.6490 > 473.8794	82085		8.934		na	89.3
37	8:2FTS	39108-34-4	10.49	526.6490 > 506.7500	3958		8.732	2.85	NO	
38	M2-8:2FTS	INT STD	10.49	529.162 > 509.155	2237		8.575		na	89.3
39	PFNS	68259-12-1	10.53	549.131 > 80.062	4193		7.266	1.70	NO	

all concentration units in (ng/mL)

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Name: I59031
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:SG
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.88	573.22 > 419.061	3521		9.259		na	92.6
41	br-NMeFOSAA		10.72	570.202 > 419.061	262	M5,M7	1.648	0.84	NO	
42	L-NMeFOSAA		10.88	570.202 > 419.061	2484		5.653	1.61	NO	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	2745		7.301		na	
44	PFUnA	2058-94-8	11.05	562.5852 >518.8544	58093		8.126	10.70	NO	
45	M7-PFUDA	INT STD	11.05	570.033 > 525.031	47221		8.639		na	86.4
46	PFDS	335-77-3	11.06	599.139 > 80.062	4123		7.095	1.88	NO	
47	FOSA	754-91-6	10.89	498.146 > 78.07	944	M7	7.430	1042.63	YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	1834		0.714		na	7.1
49	br-NEtFOSAA		11.02	584.229 > 419.061	213	M5,M7	2.318	0.66	NO	
50	L-NEtFOSAA		11.17	584.229 > 419.061	1576	M4	5.903	1.05	NO	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	1789		8.222		na	
52	d5-NEtFOSAA	INT STD	11.16	589.259 > 419.061	2646		8.340		na	83.4
53	PFDoA	307-55-1	11.53	613.094 > 569.084	26085		8.254	21.85	NO	
54	MPFDOA	INT STD	11.53	615.079 > 570.077	28266		8.140		na	81.4
55	PFTrDA	72629-94-8	11.96	663.102 > 619.092	21551		7.589	10.08	NO	
56	PFTA	376-06-7	12.33	712.8900 > 668.9900	36372		8.078	10.32	NO	
57	M2PFTEDA	INT STD	12.32	714.5214 > 669.7984	67483		9.201		na	92.0

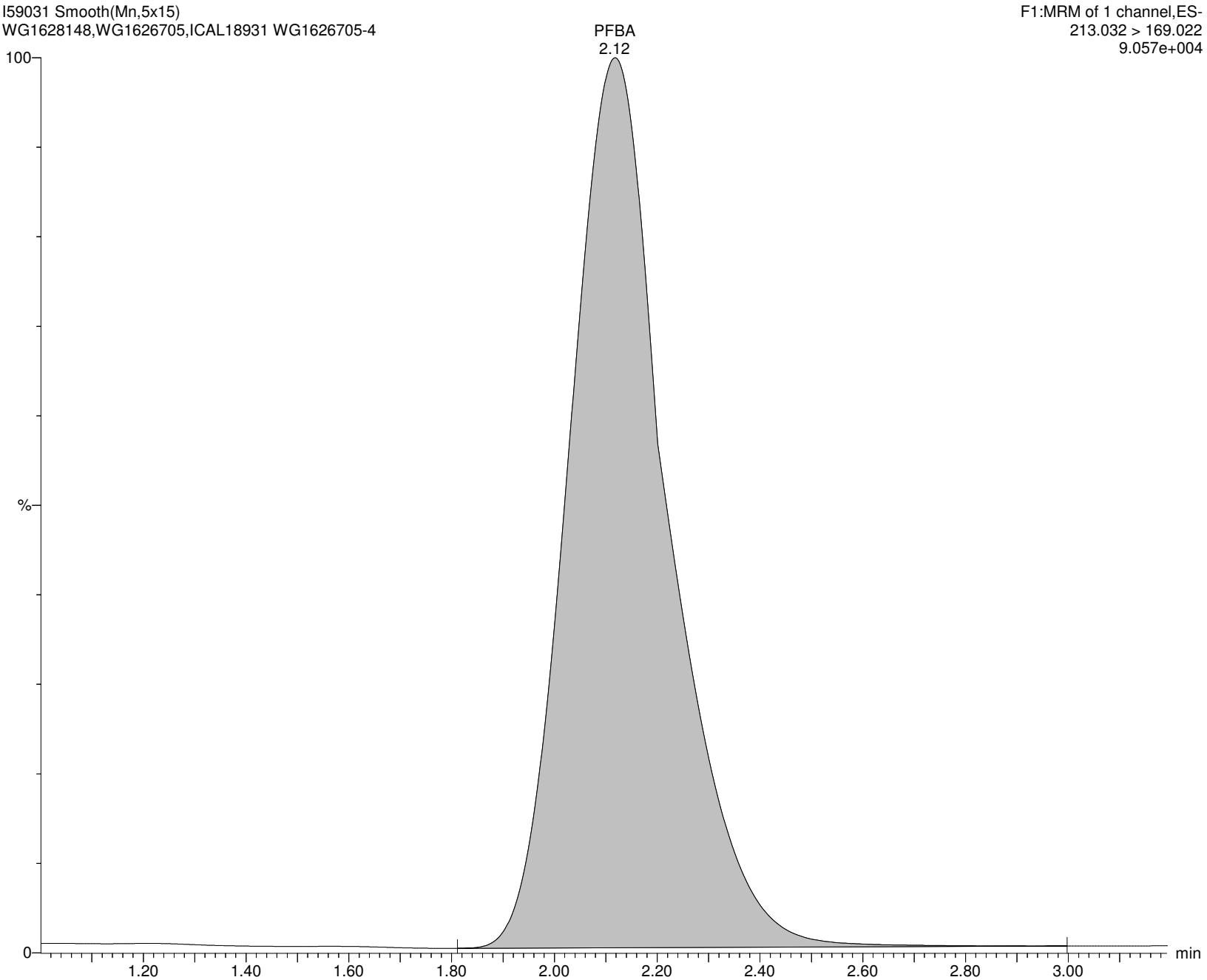
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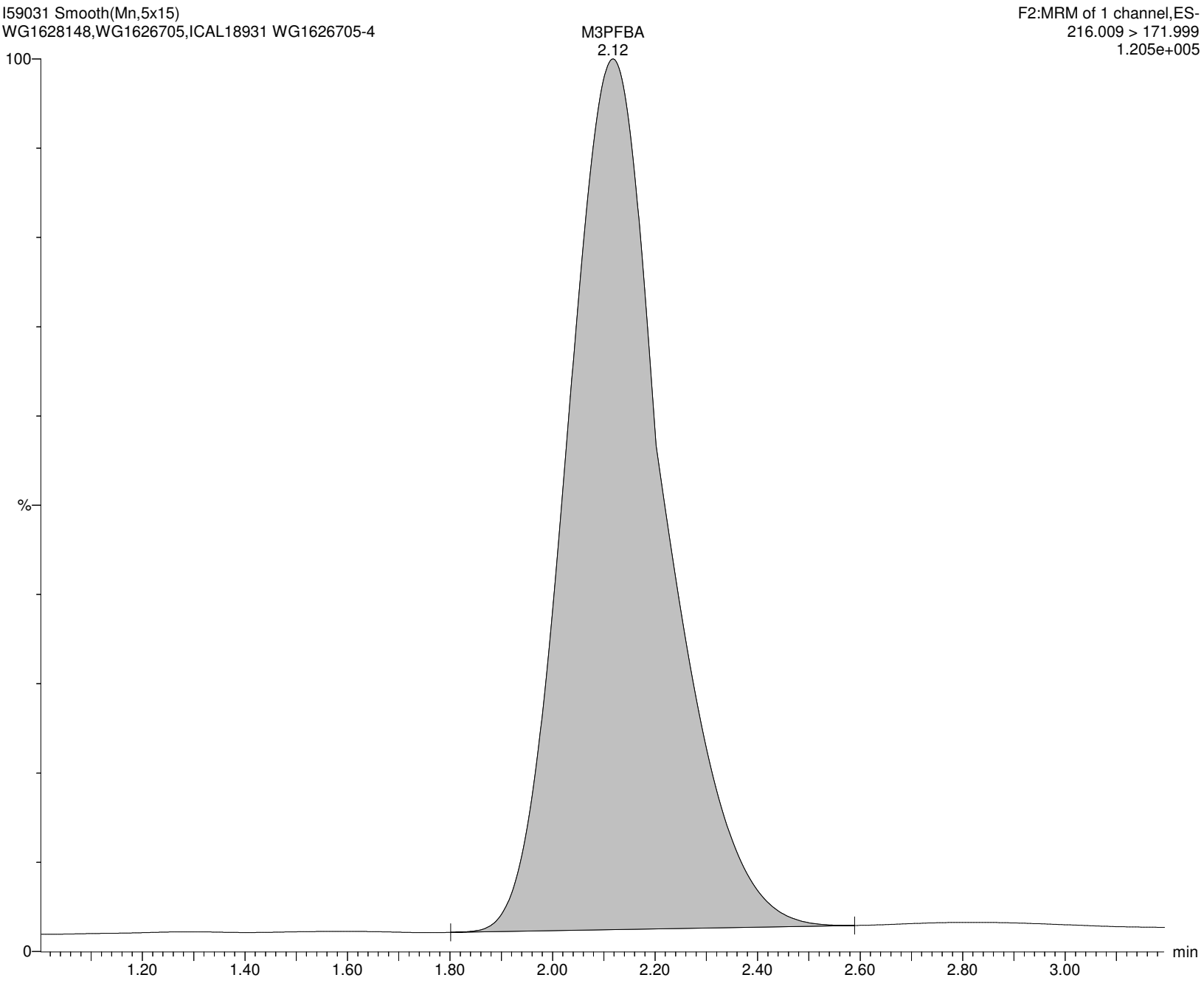


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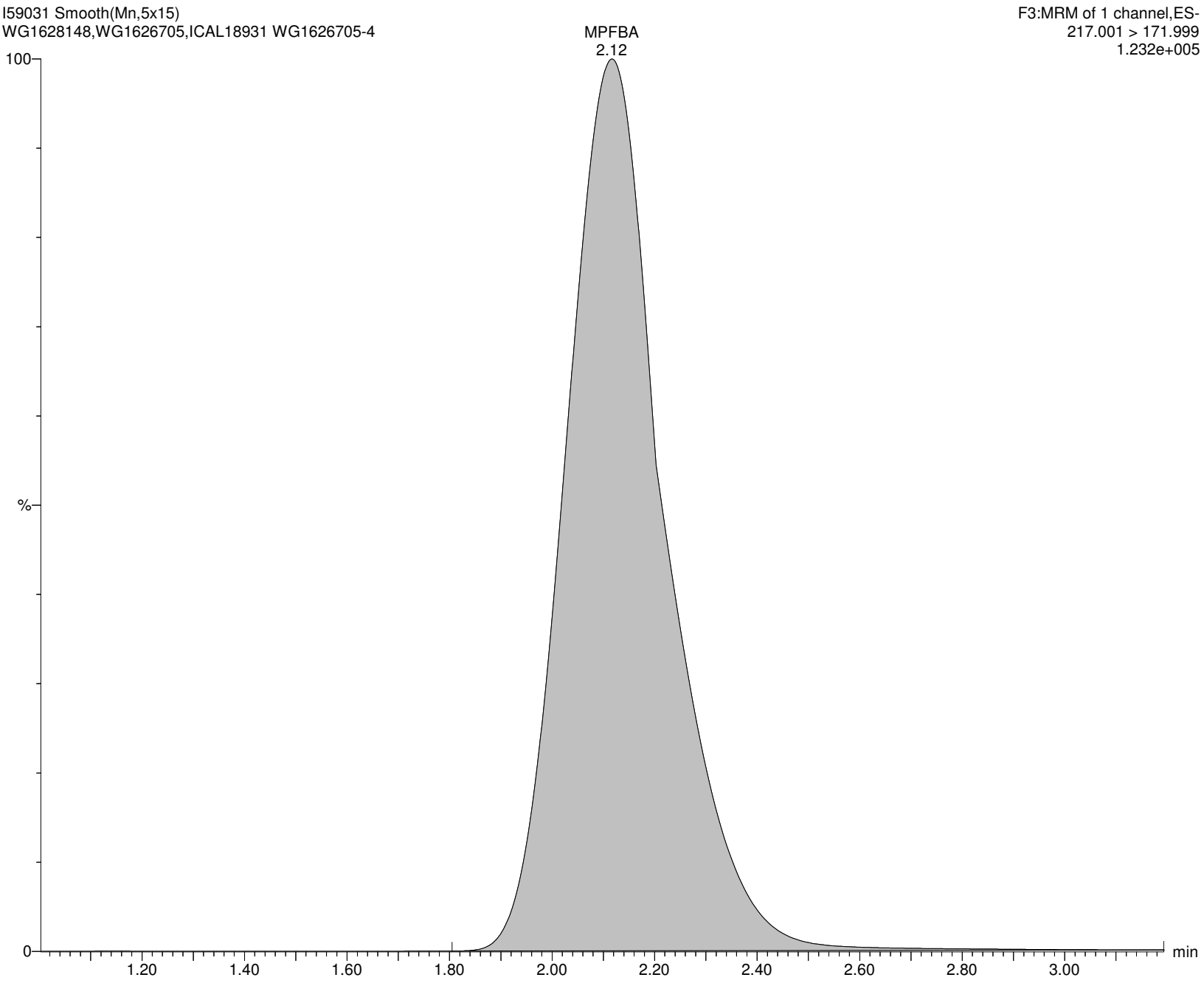


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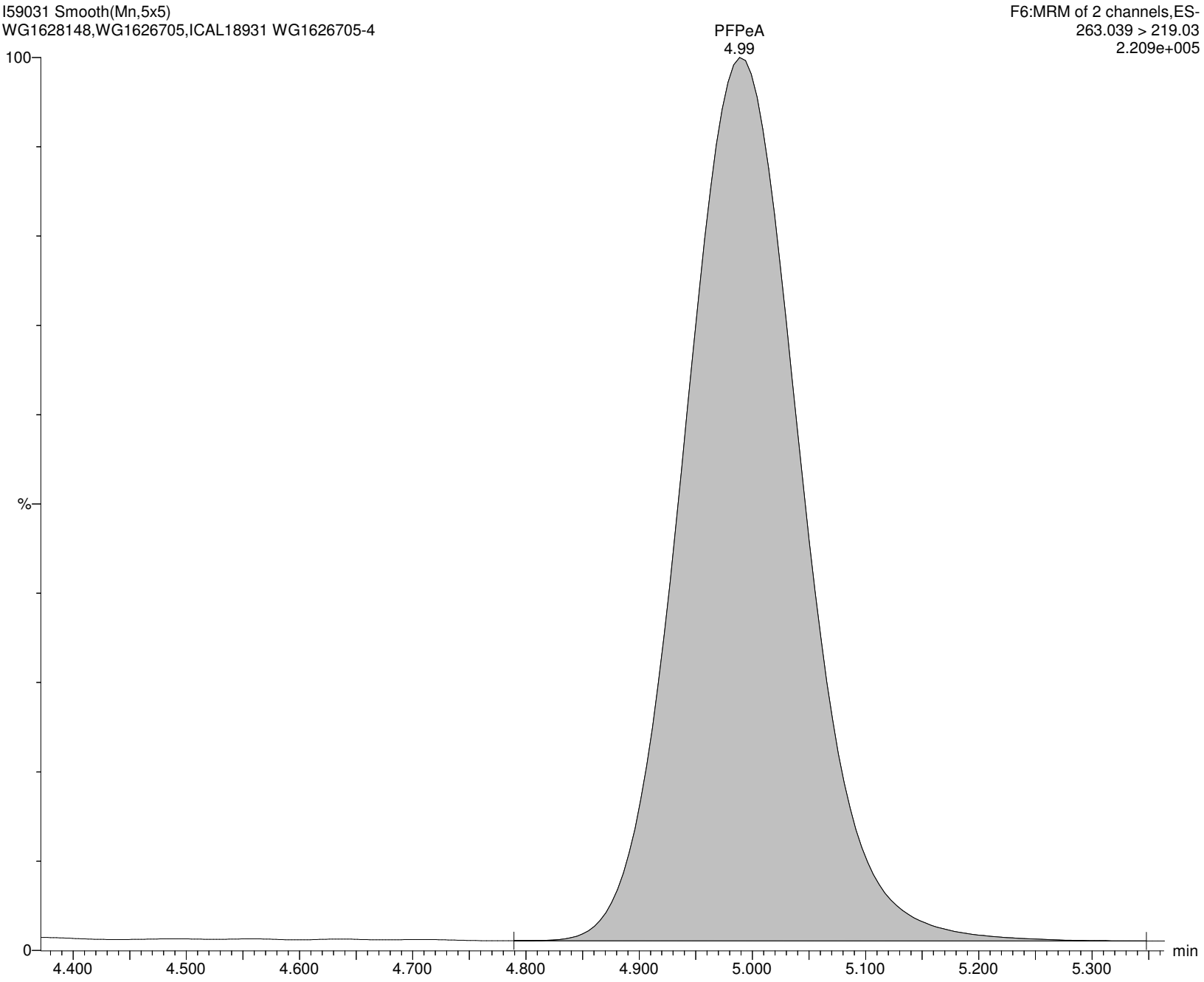


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PFPeA

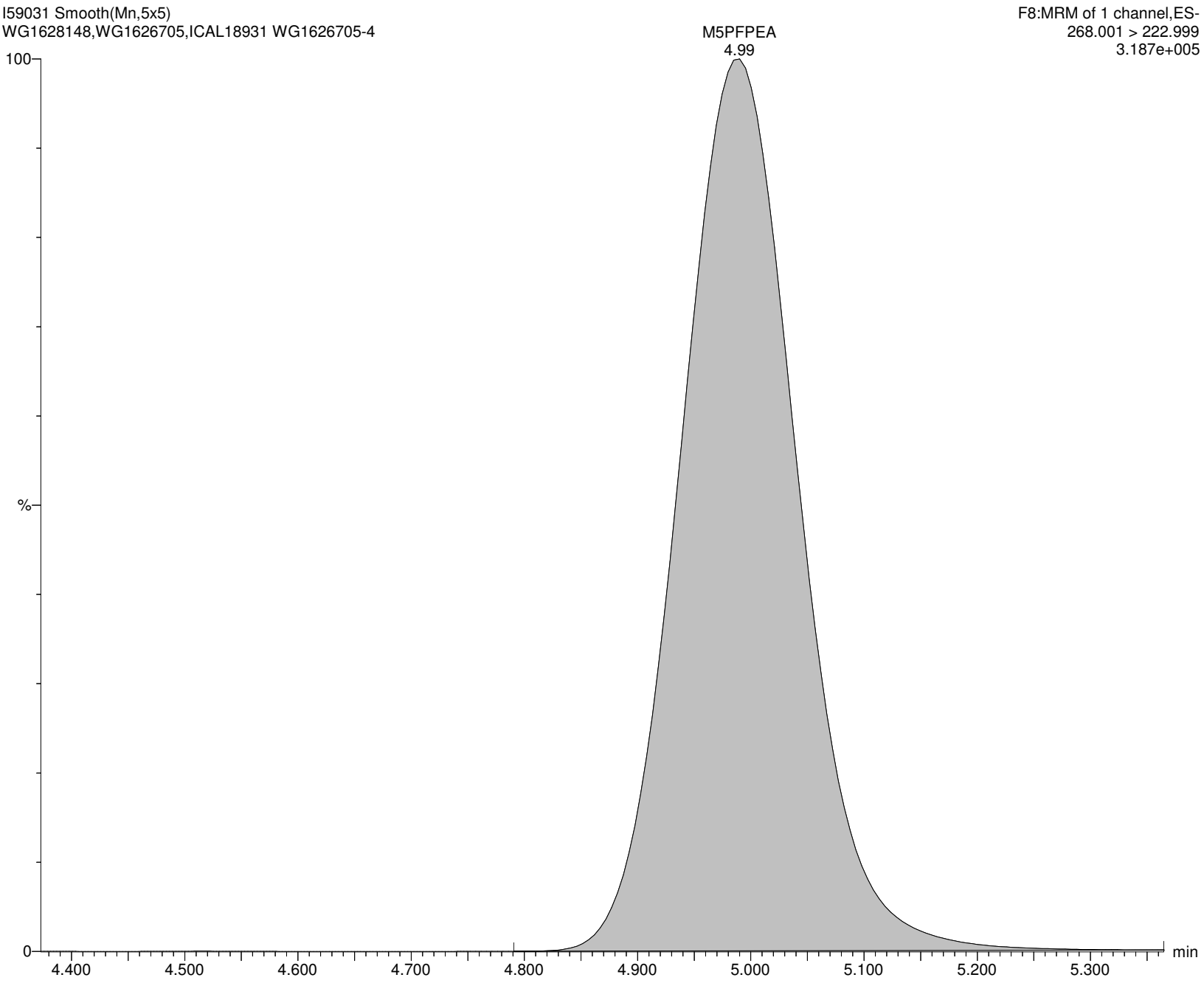


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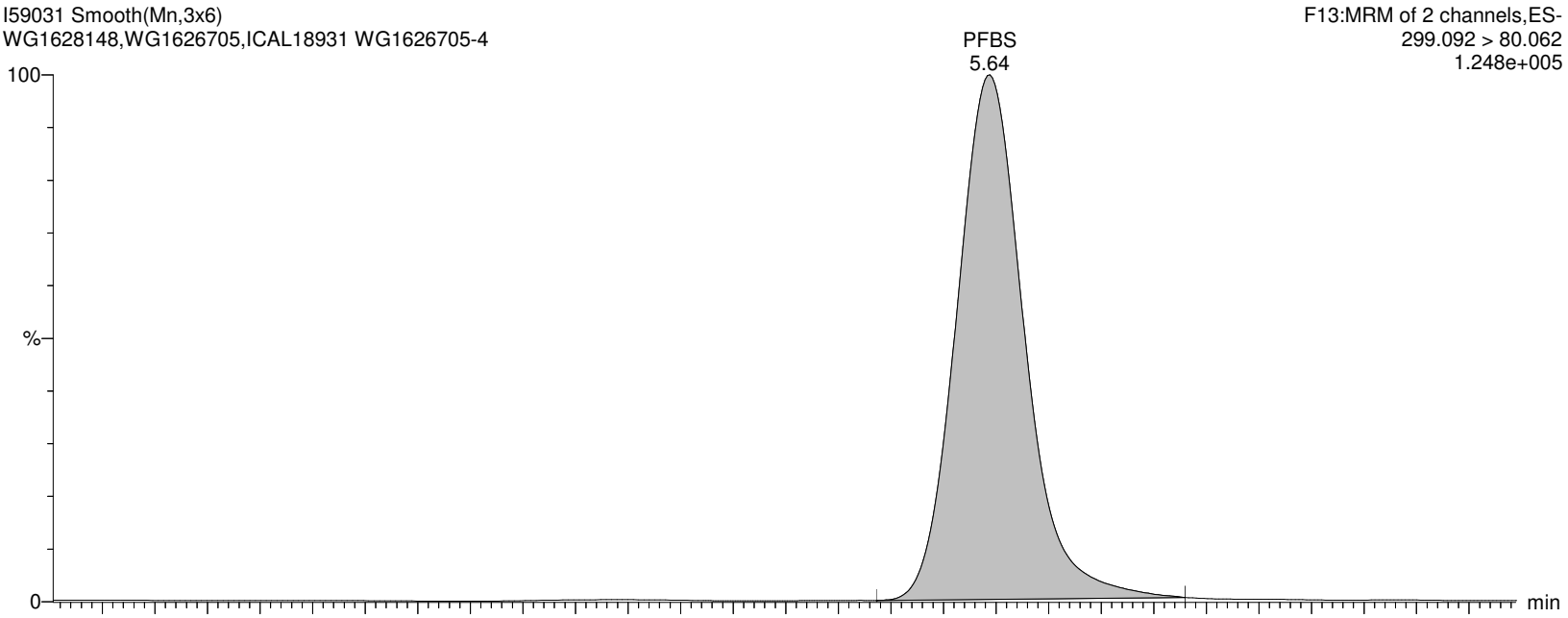


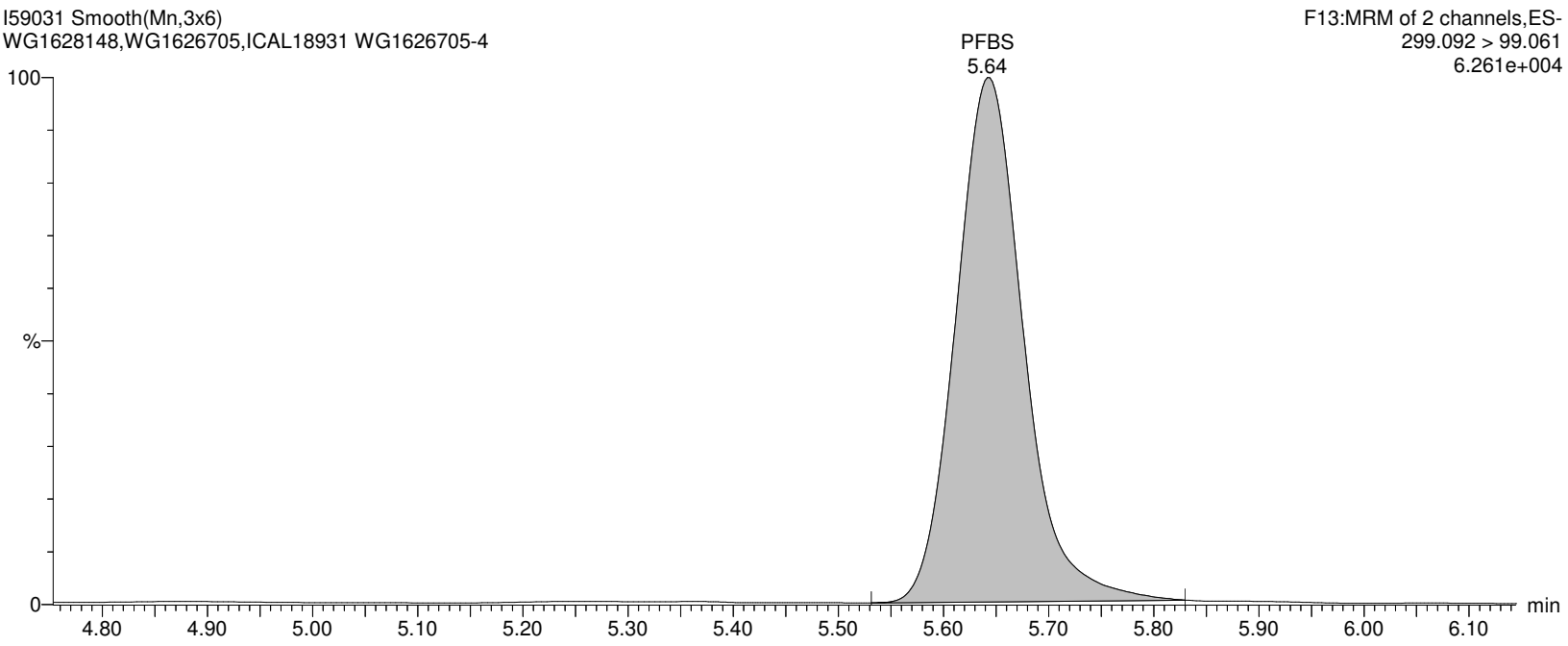
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PFBS



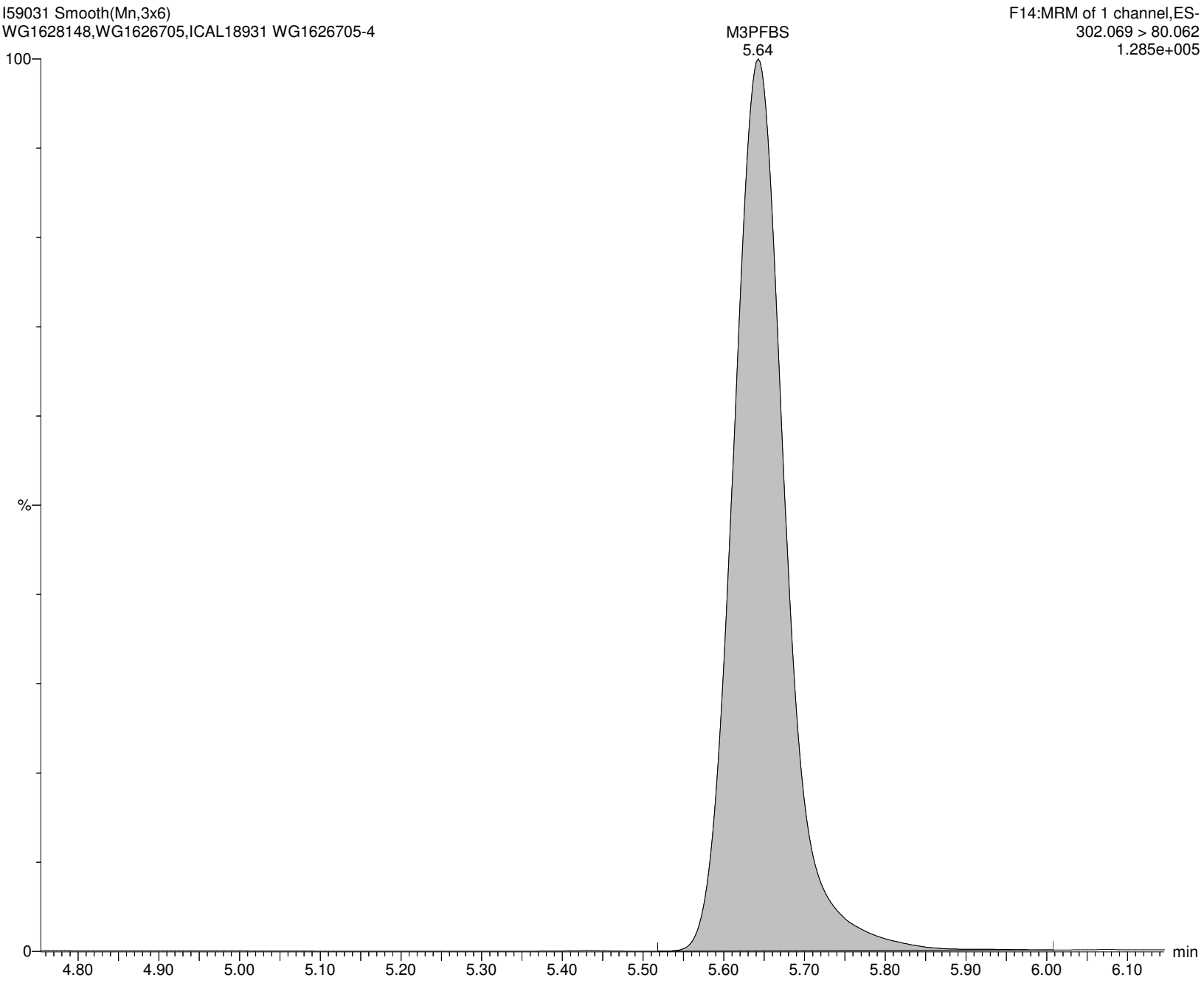


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M3PFBS

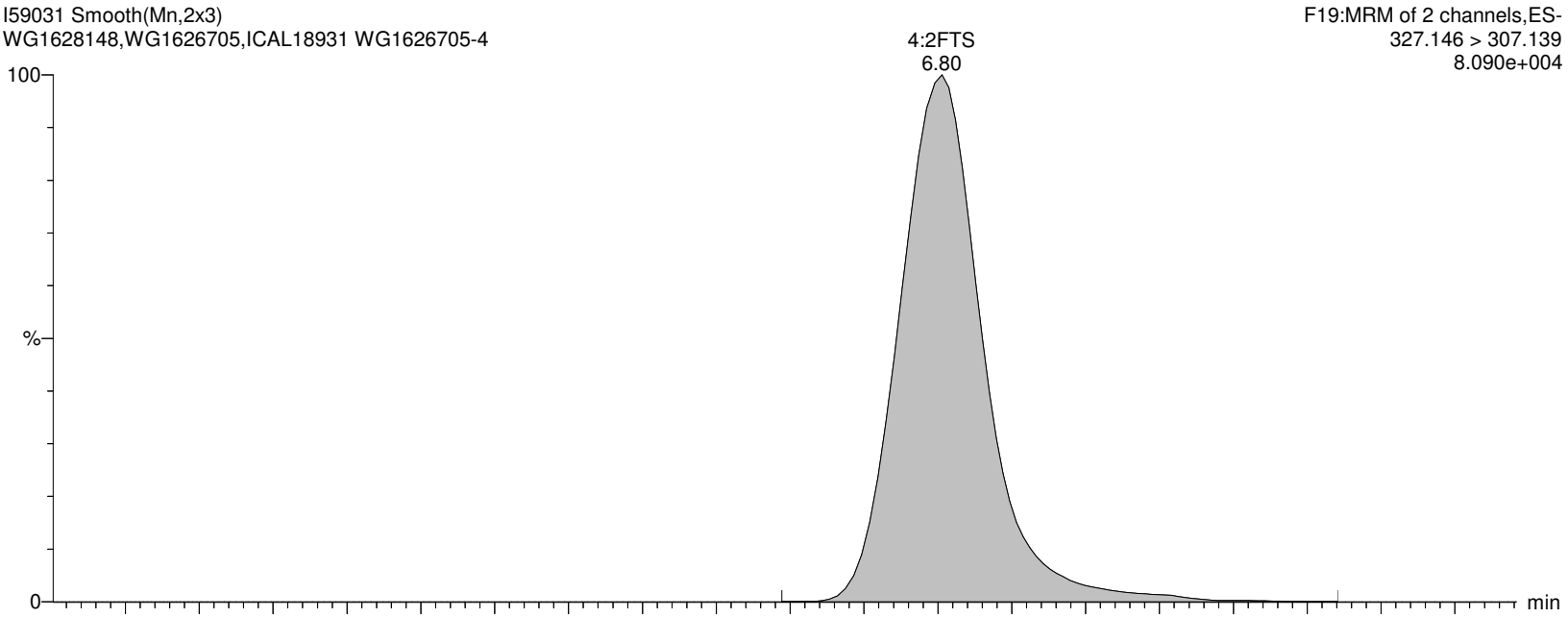


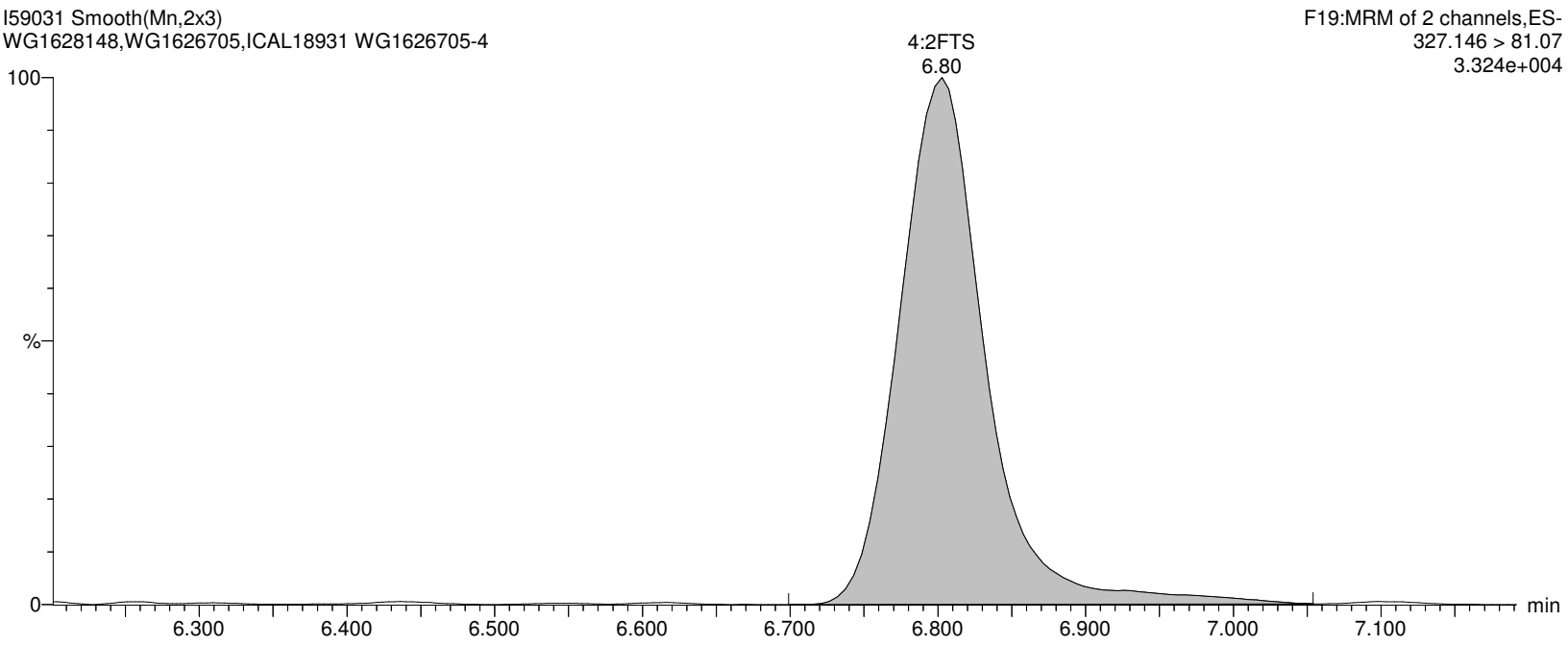
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:15 Eastern Daylight Time

Name: I59031
ID: WG1626705-4
Date: 18-Apr-2022
Time: 01:51:03
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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4:2FTS



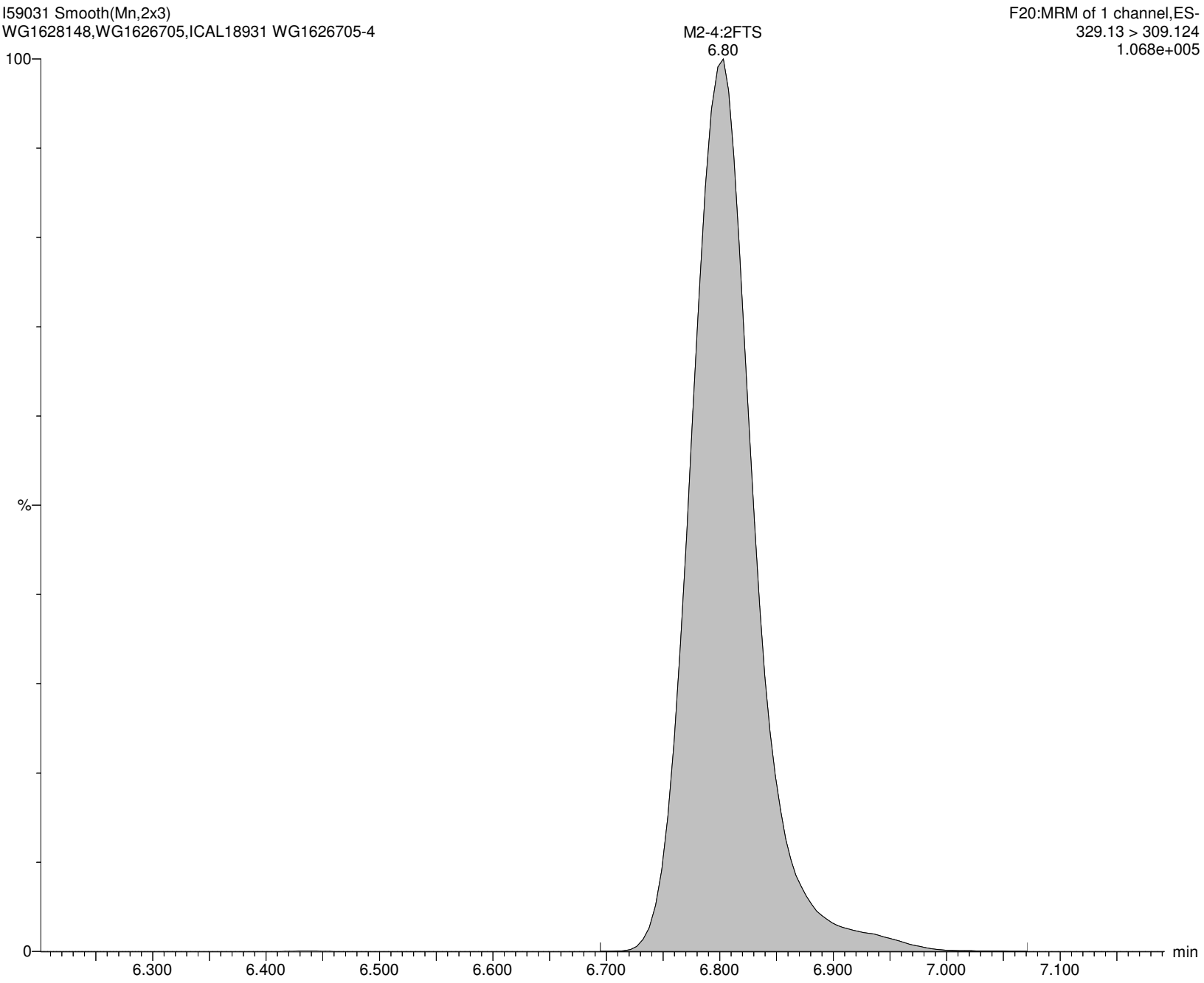


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M2-4:2FTS

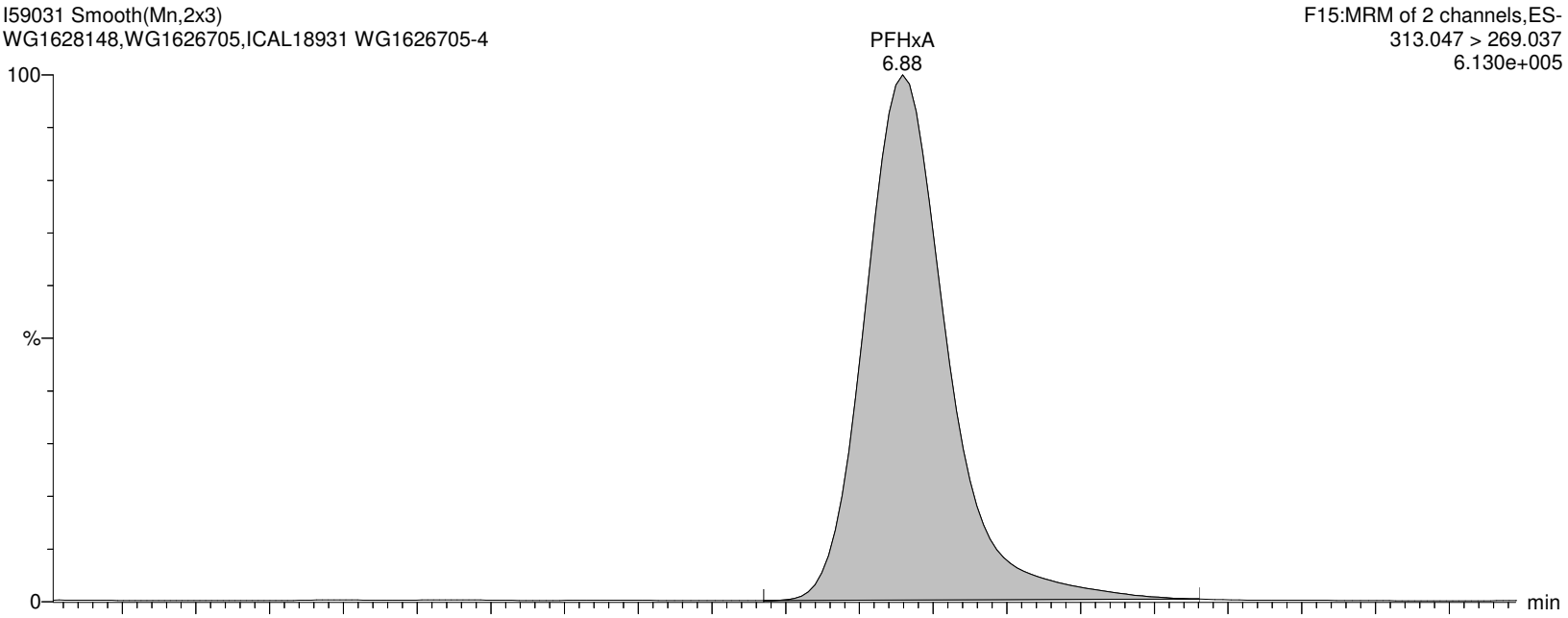


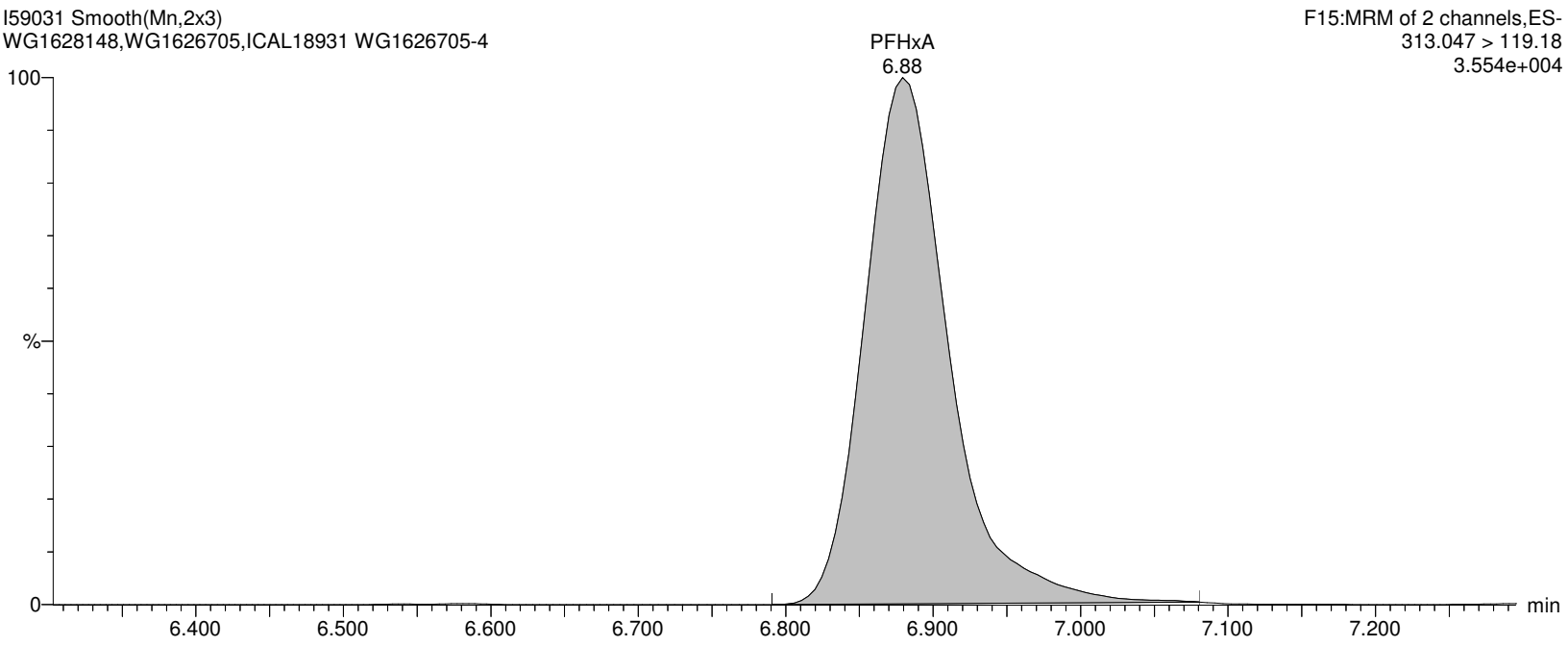
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Vial: 1:D,8
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PFHxA



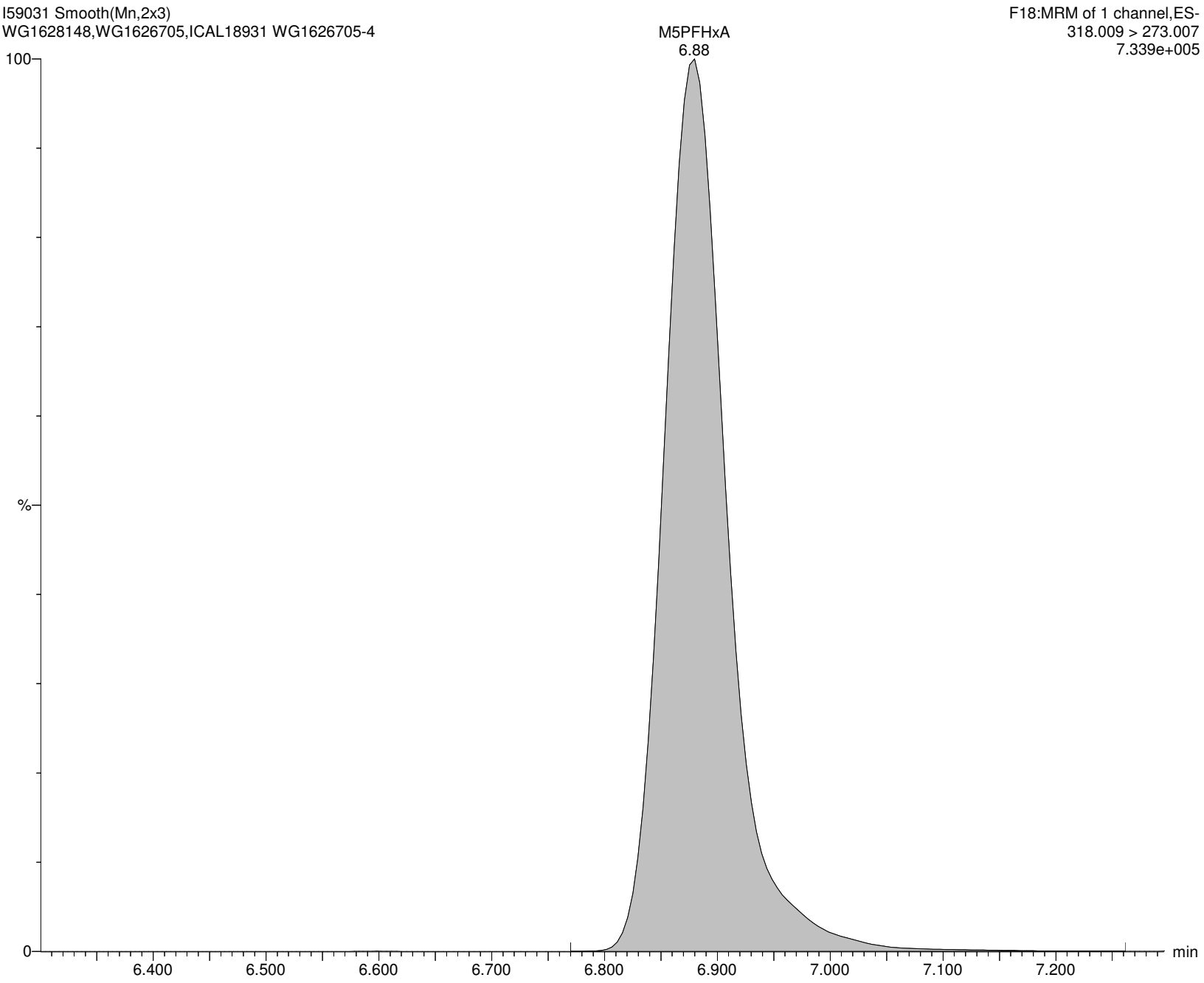


all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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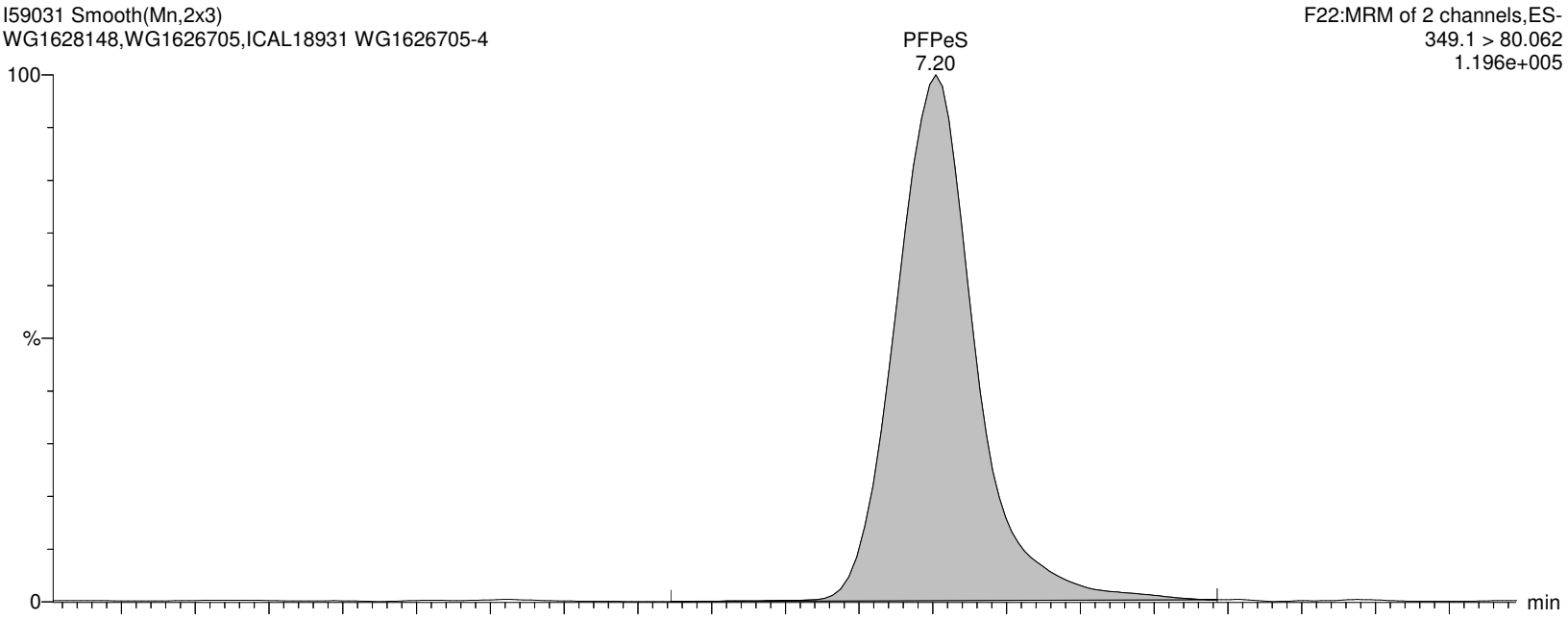


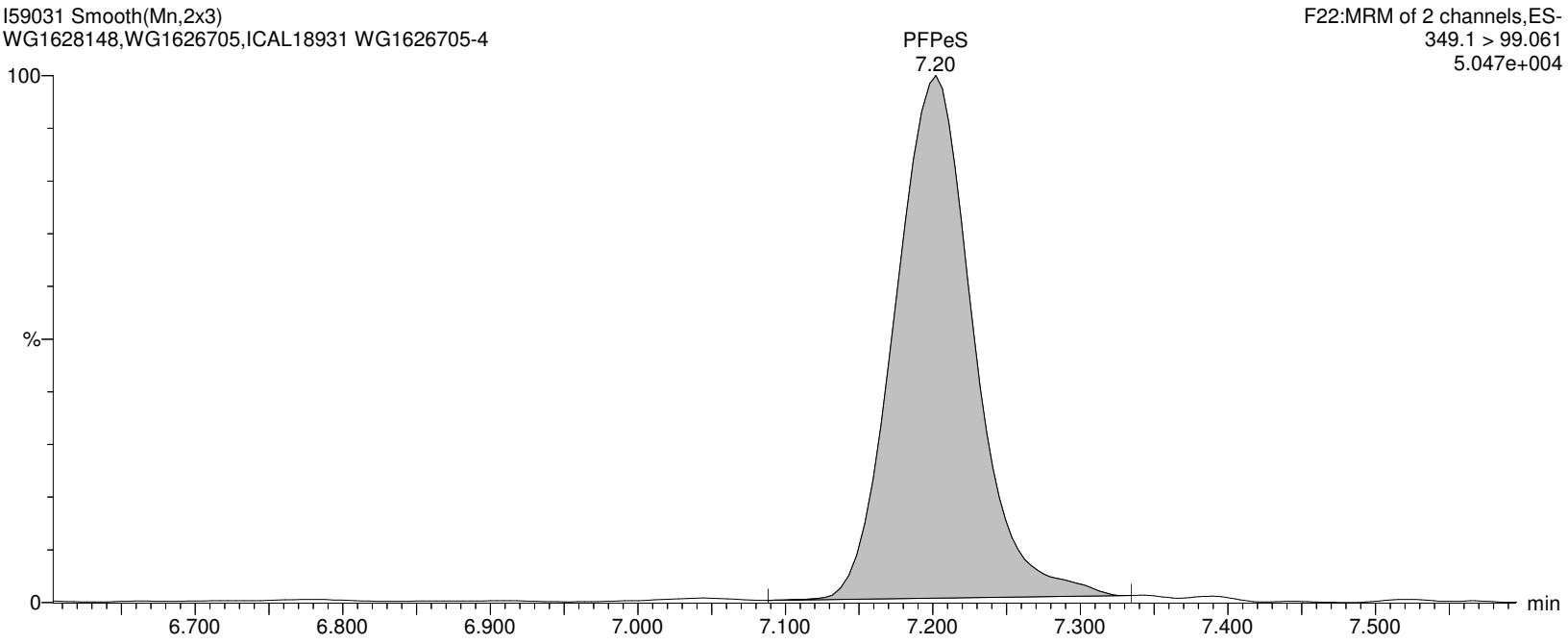
all concentration units in (ng/mL)

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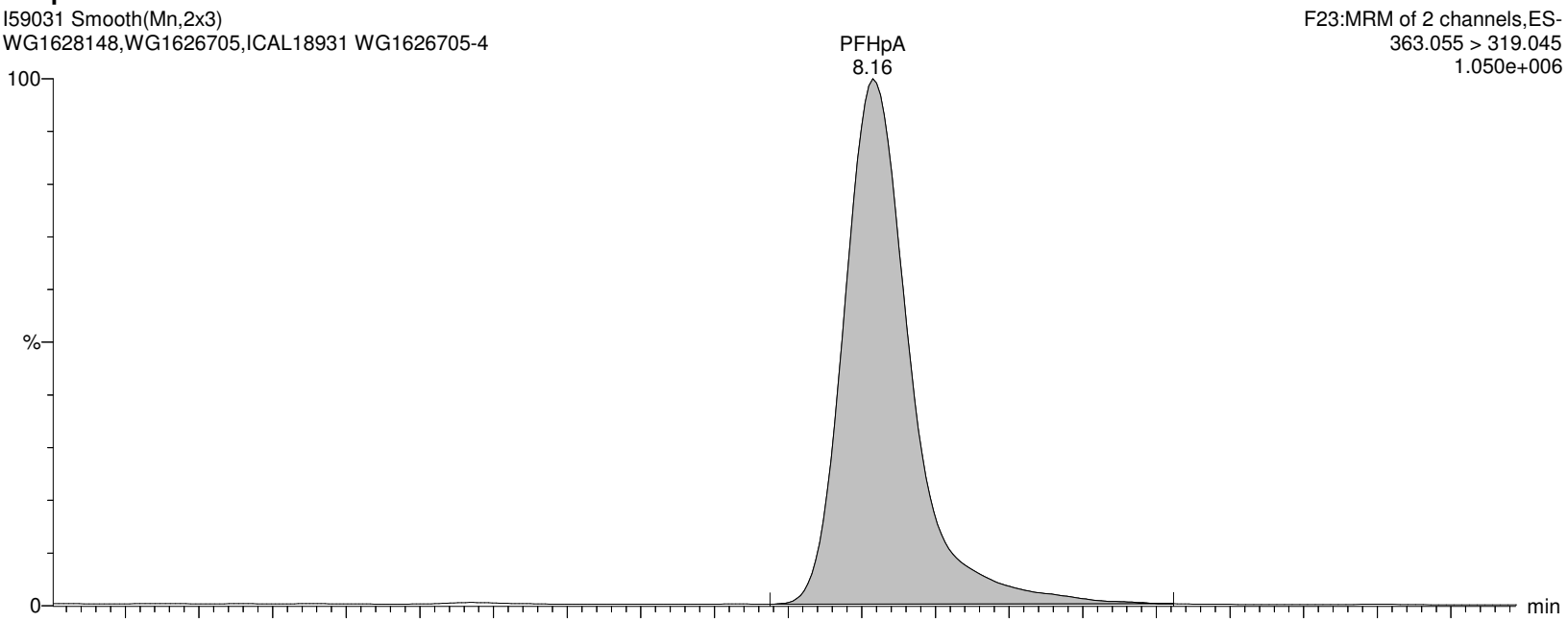


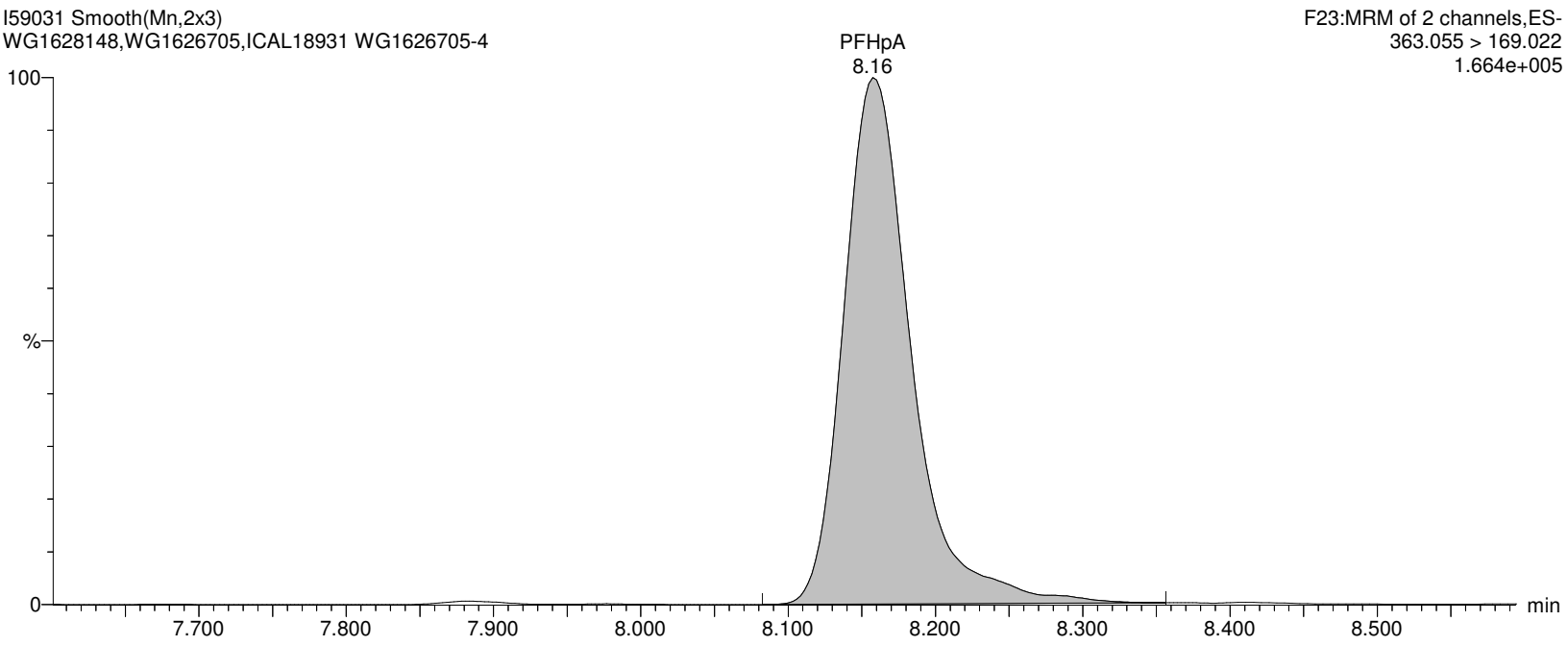
all concentration units in (ng/mL)

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PFHpA



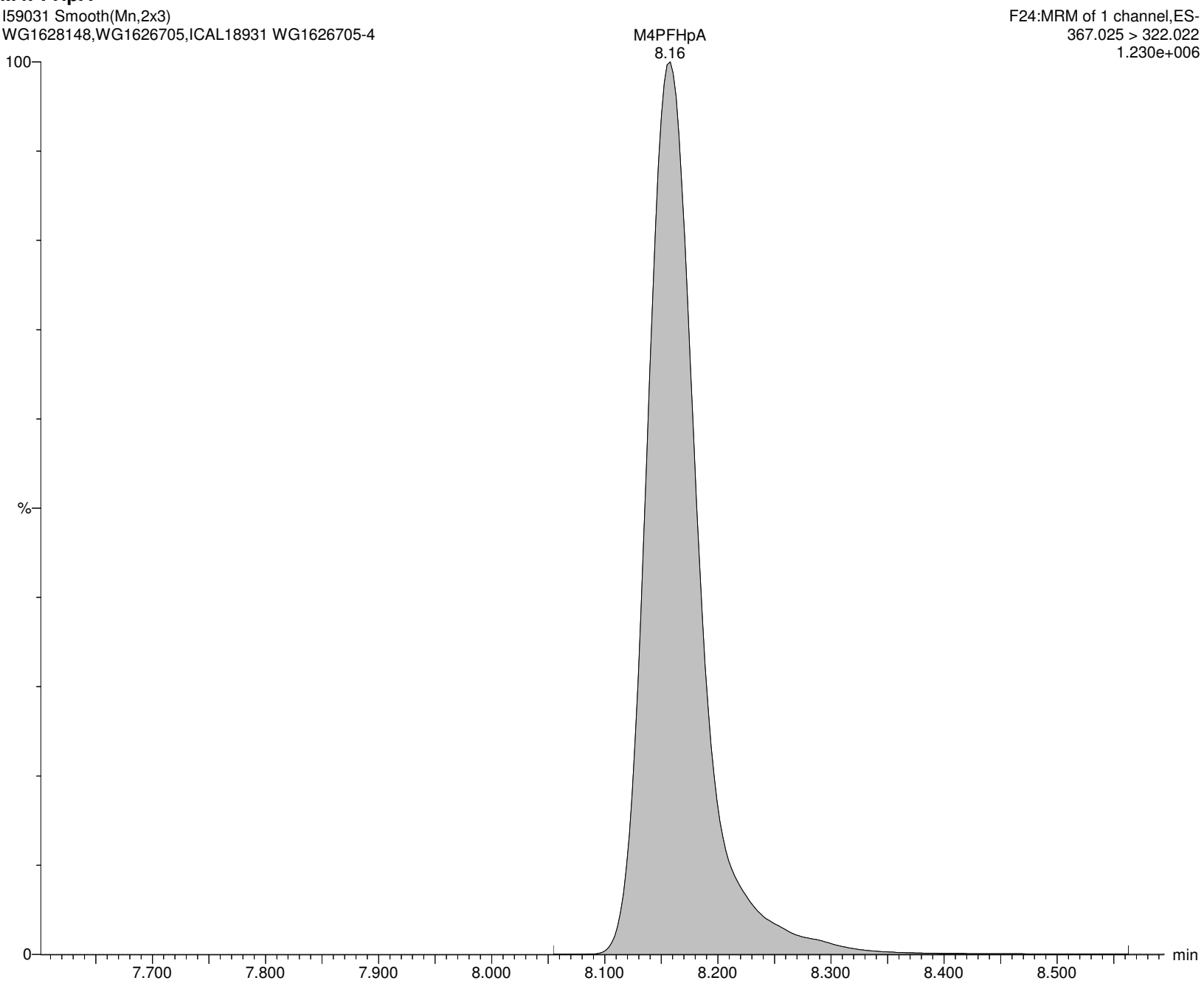


all concentration units in (ng/mL)

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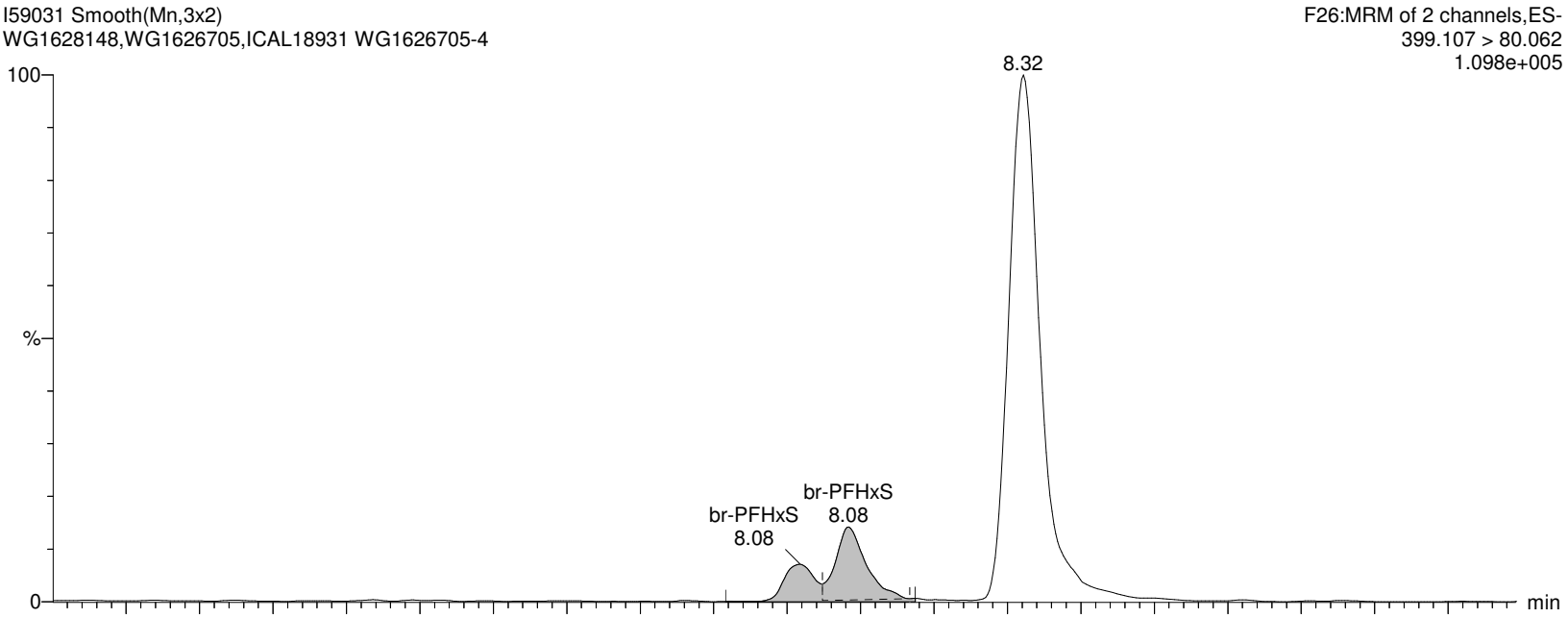


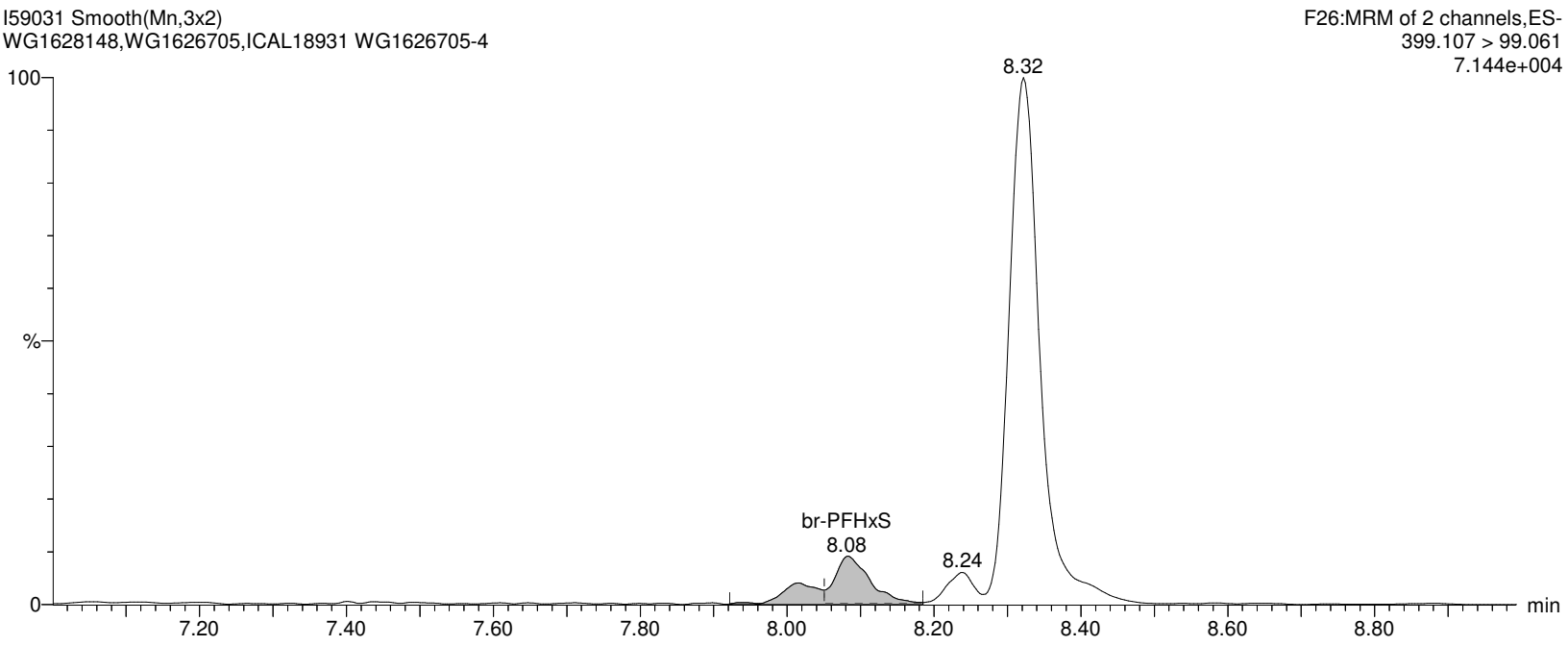
all concentration units in (ng/mL)

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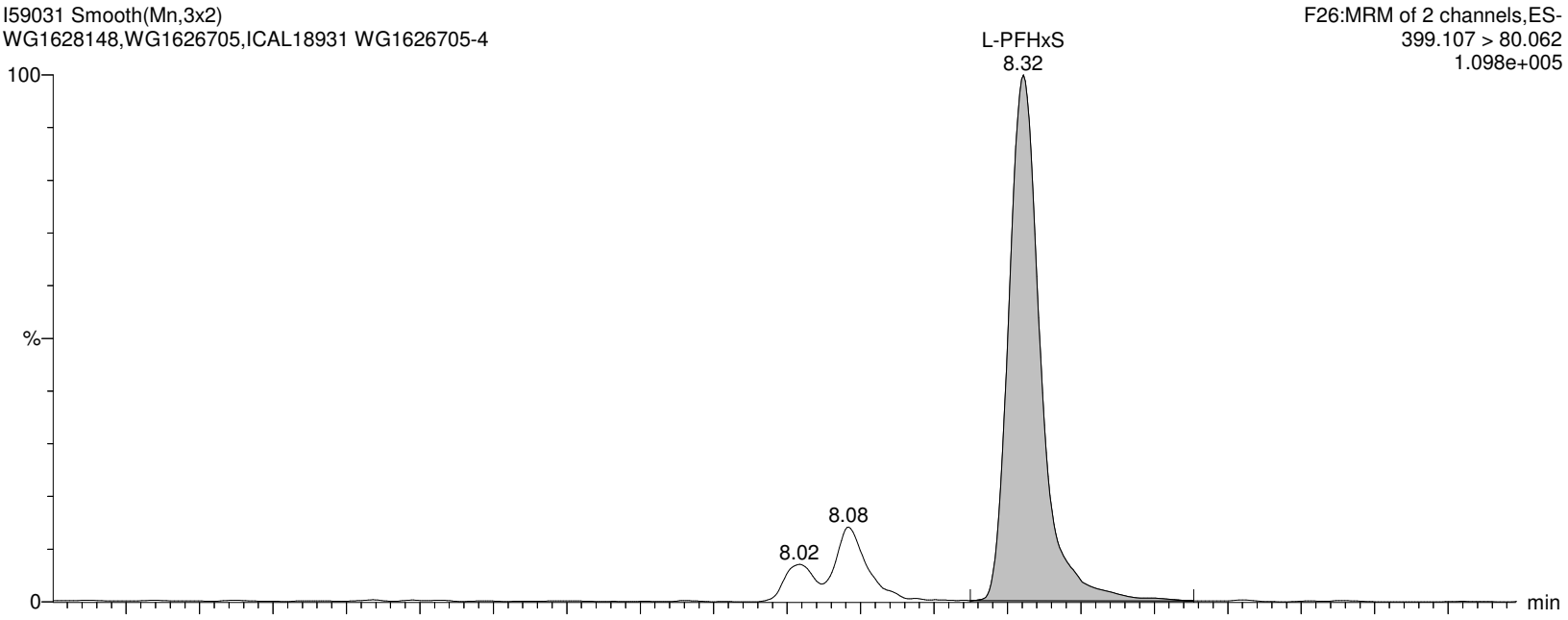


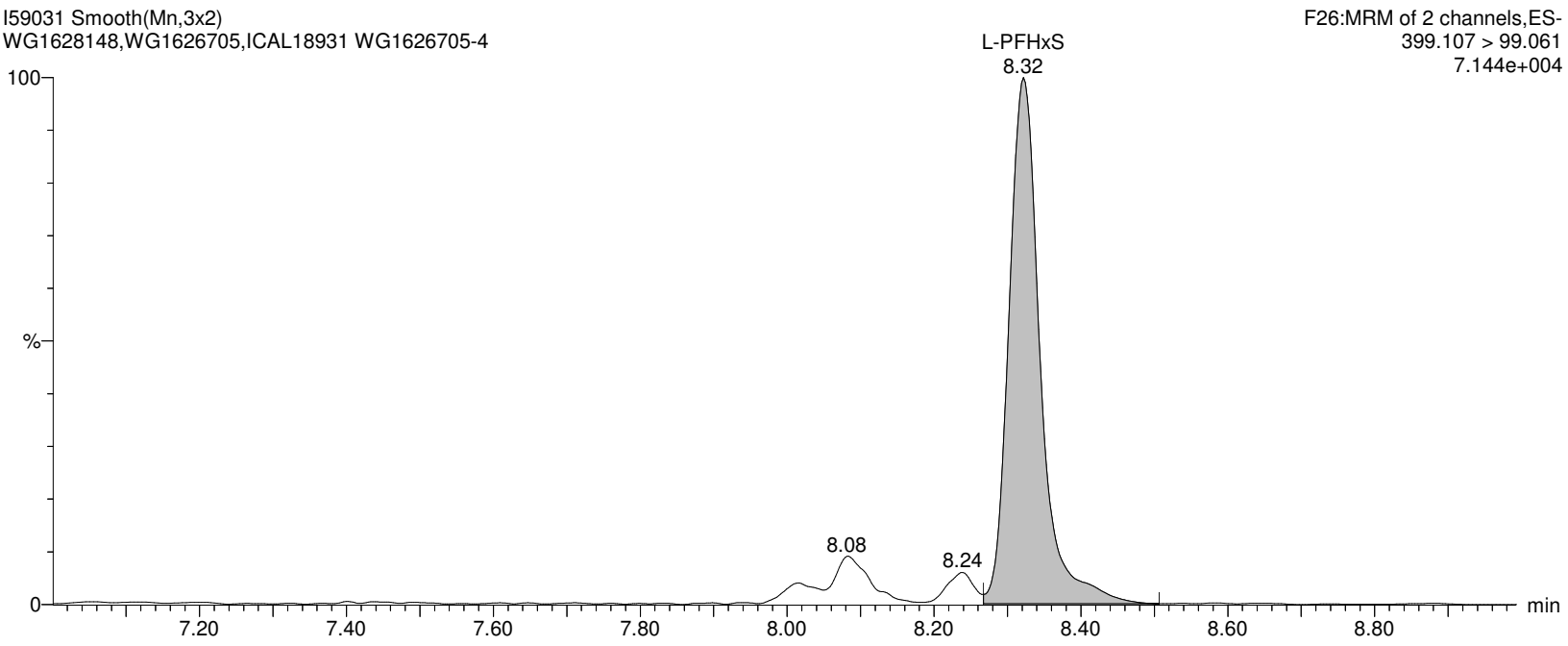
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-PFHxS



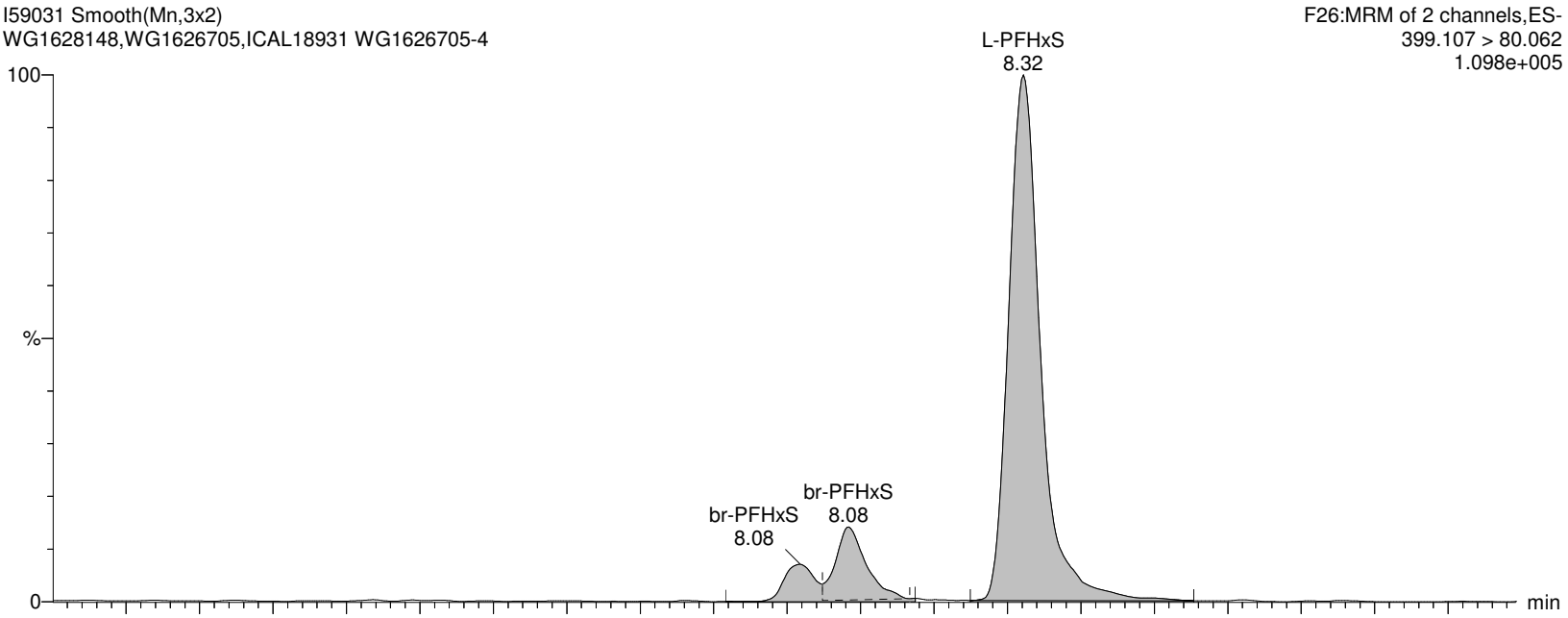


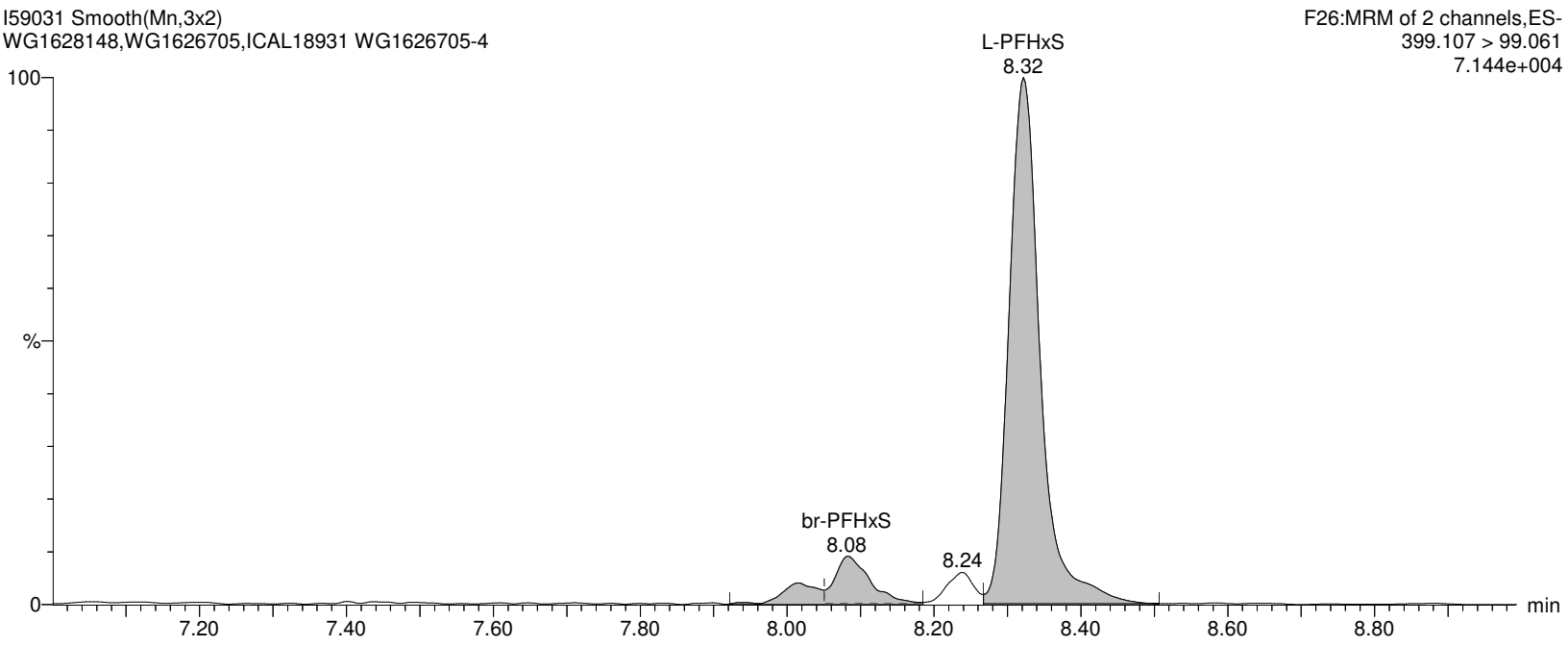
all concentration units in (ng/mL)

Alpha Analytical Inc.
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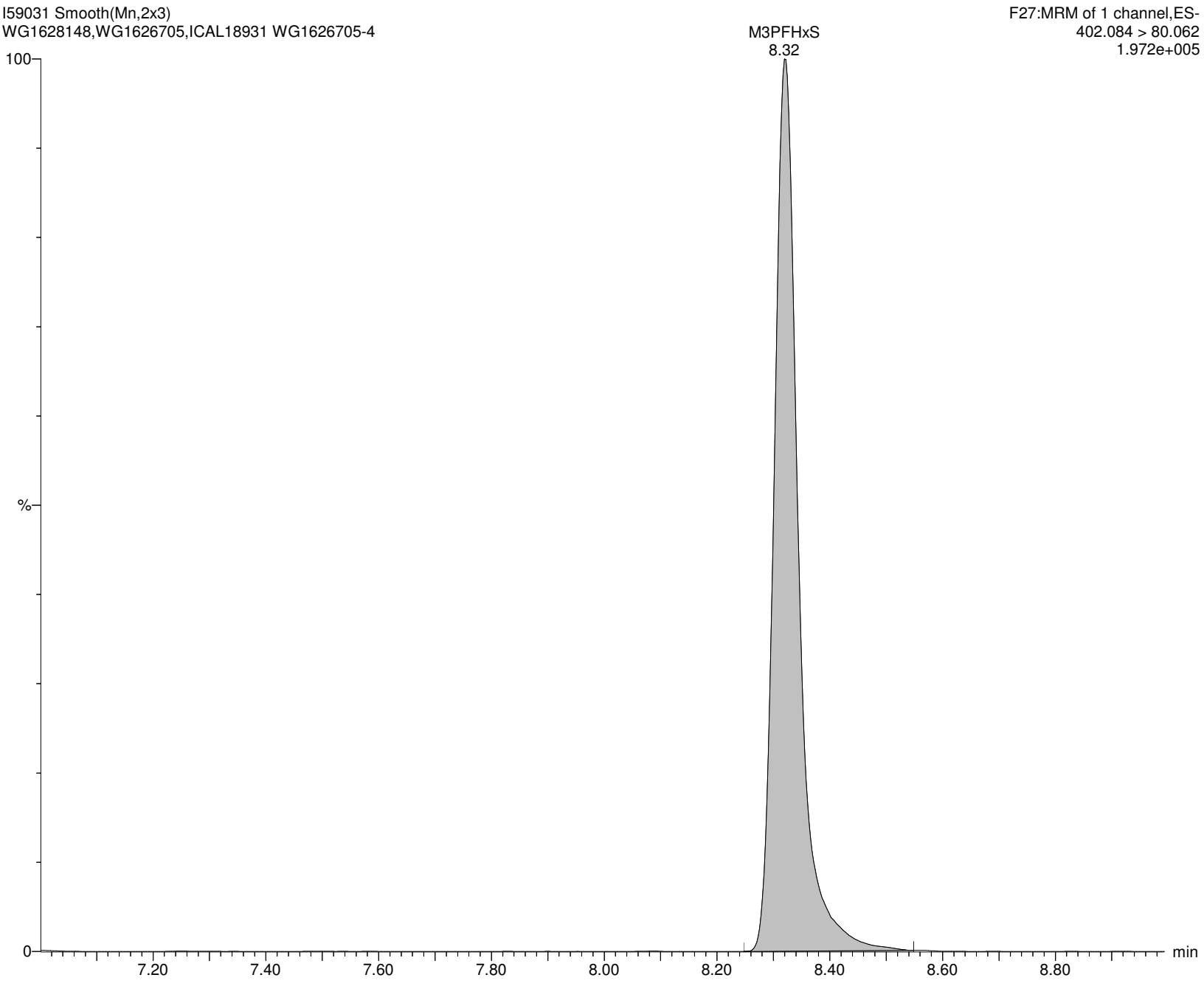


all concentration units in (ng/mL)

Alpha Analytical Inc.
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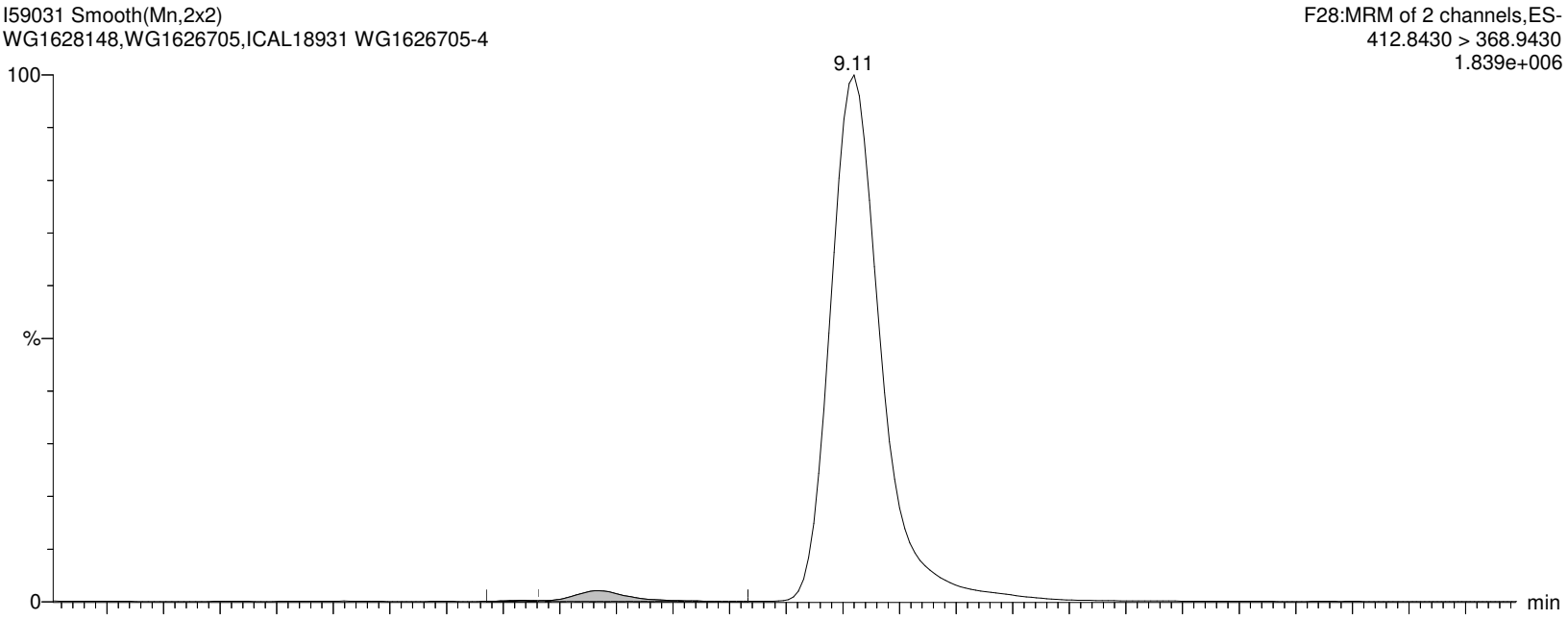


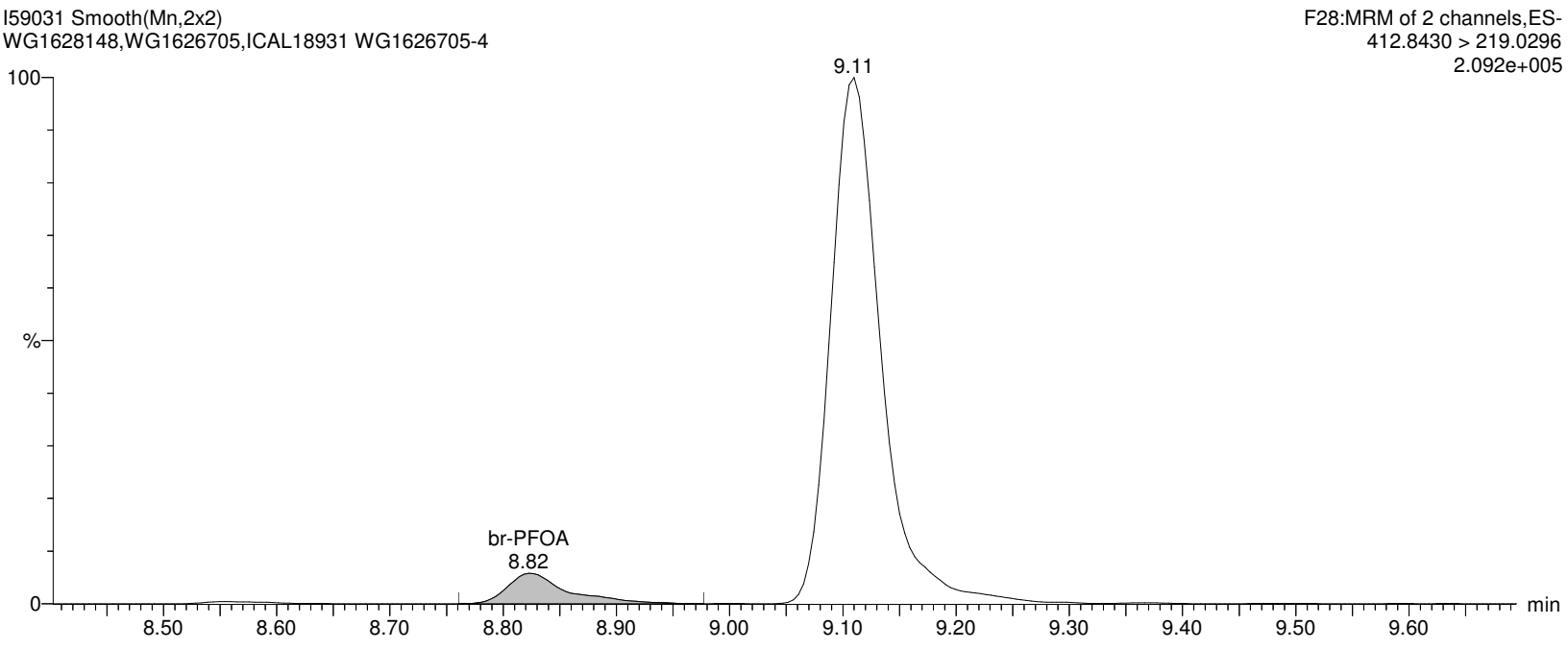
all concentration units in (ng/mL)

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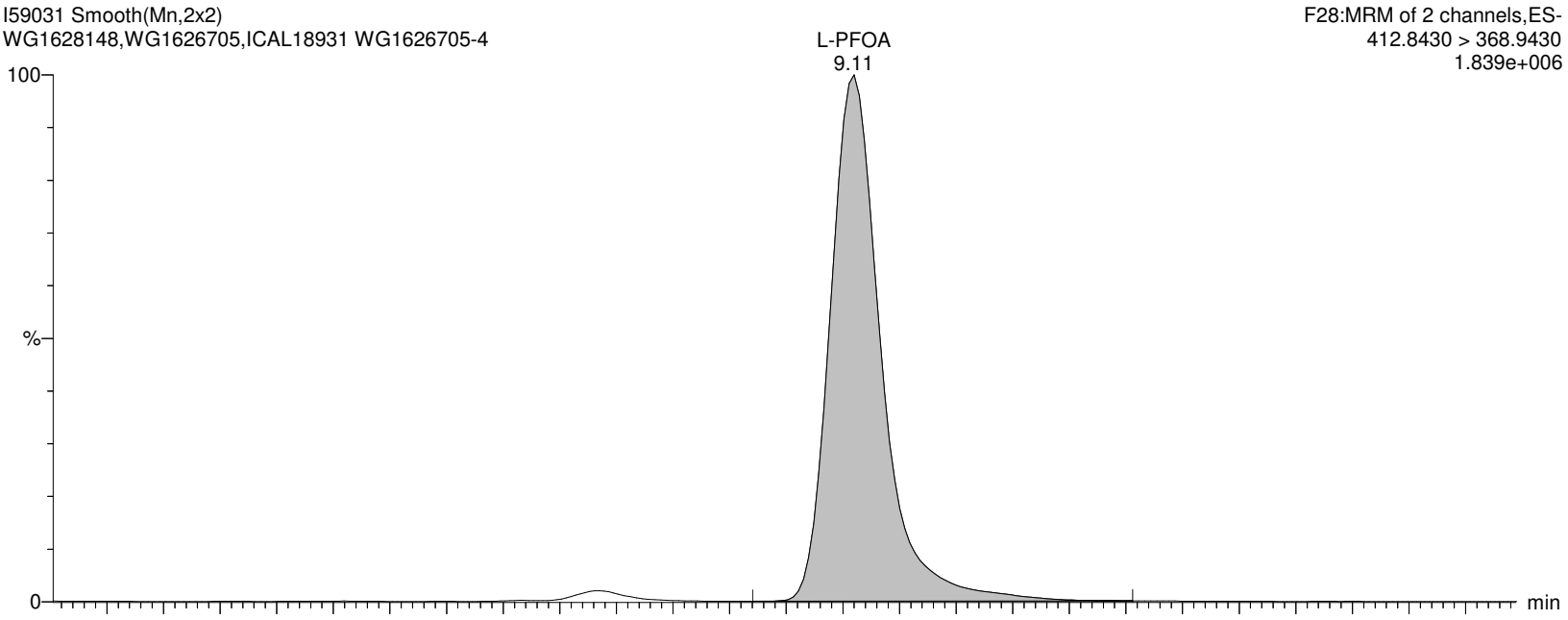


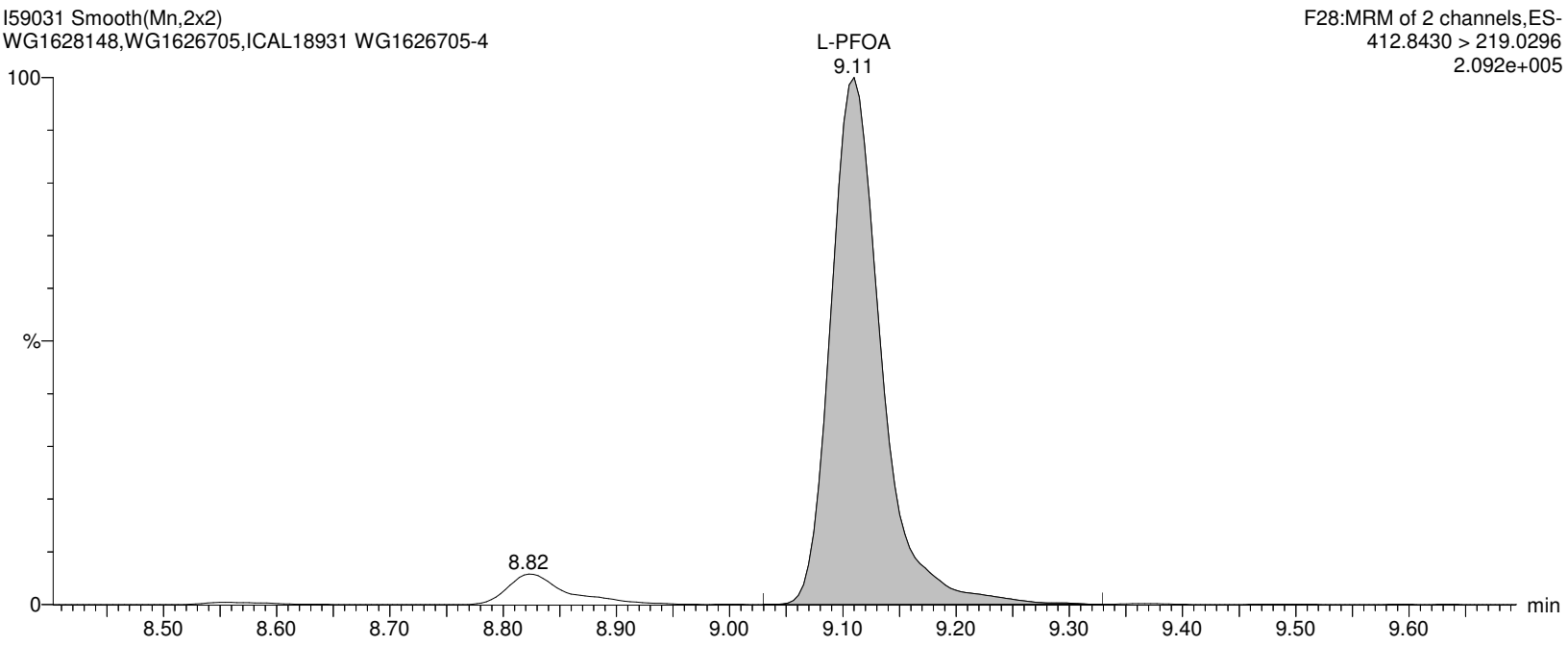
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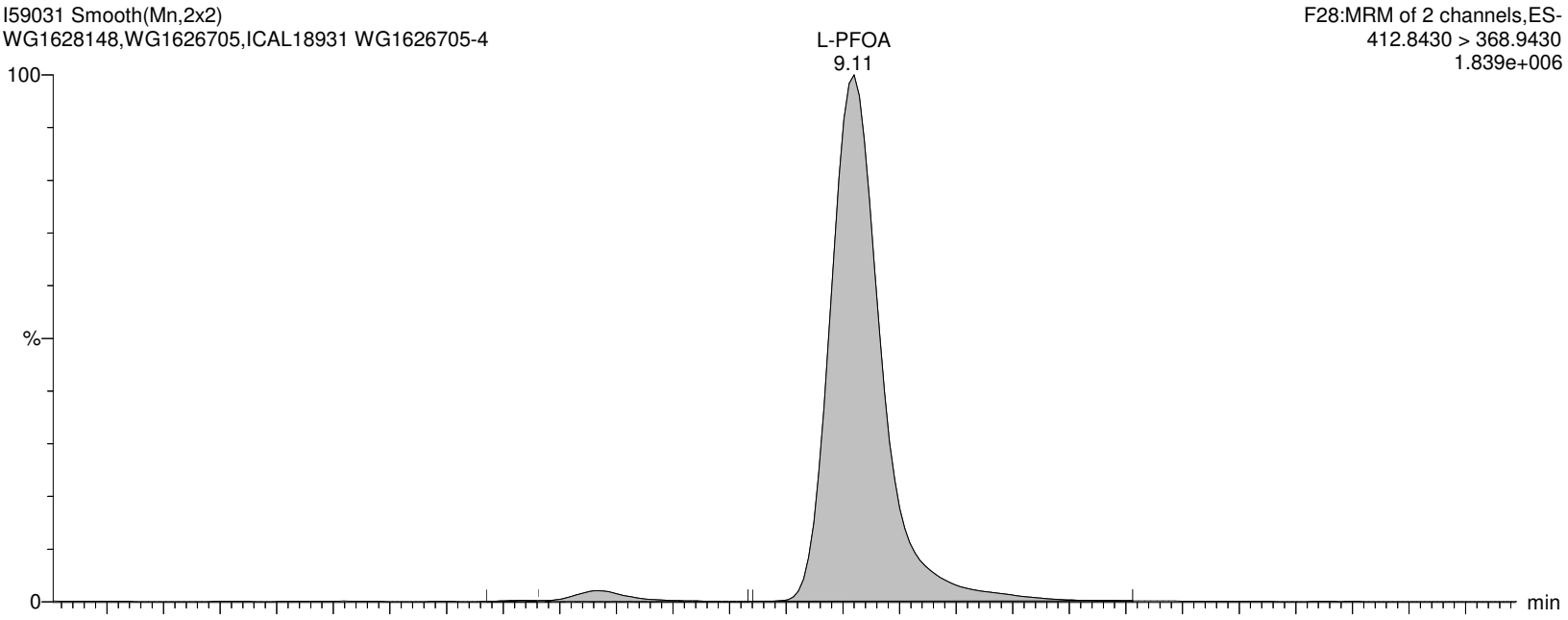


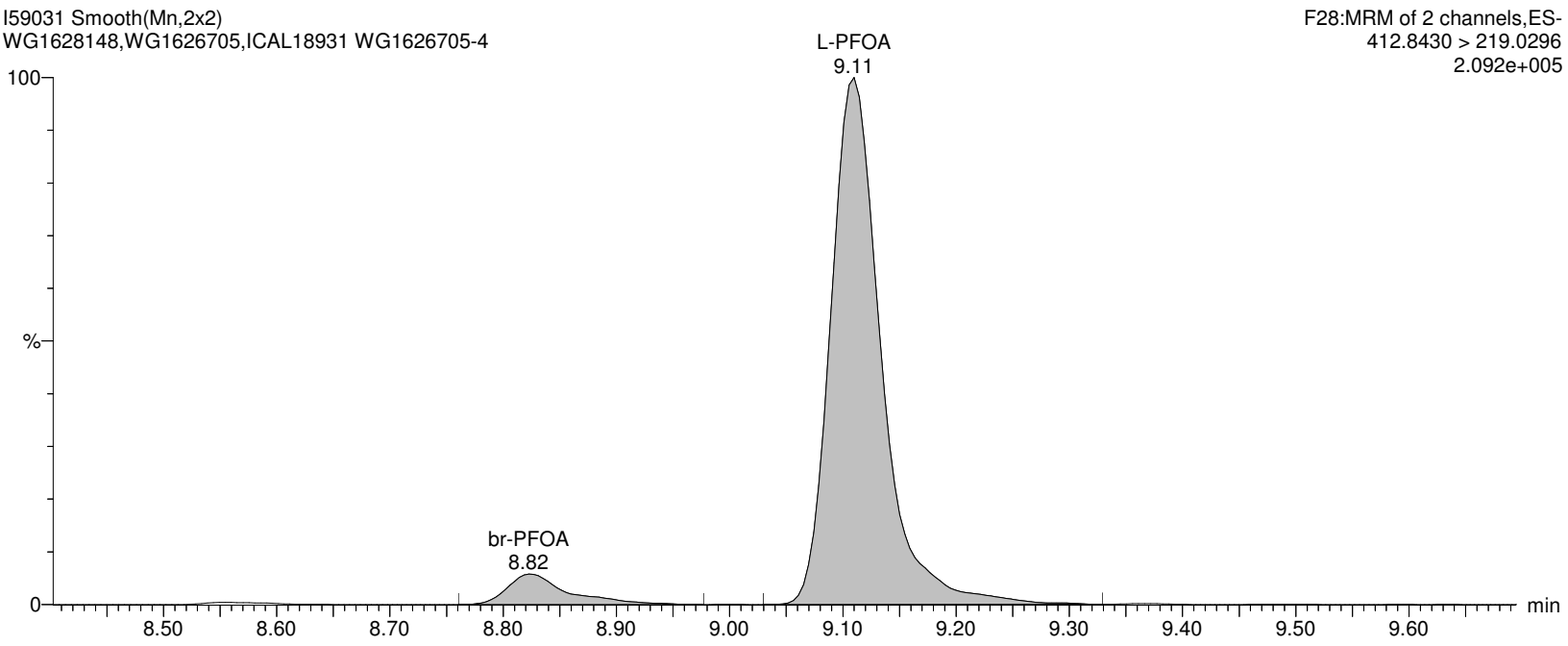
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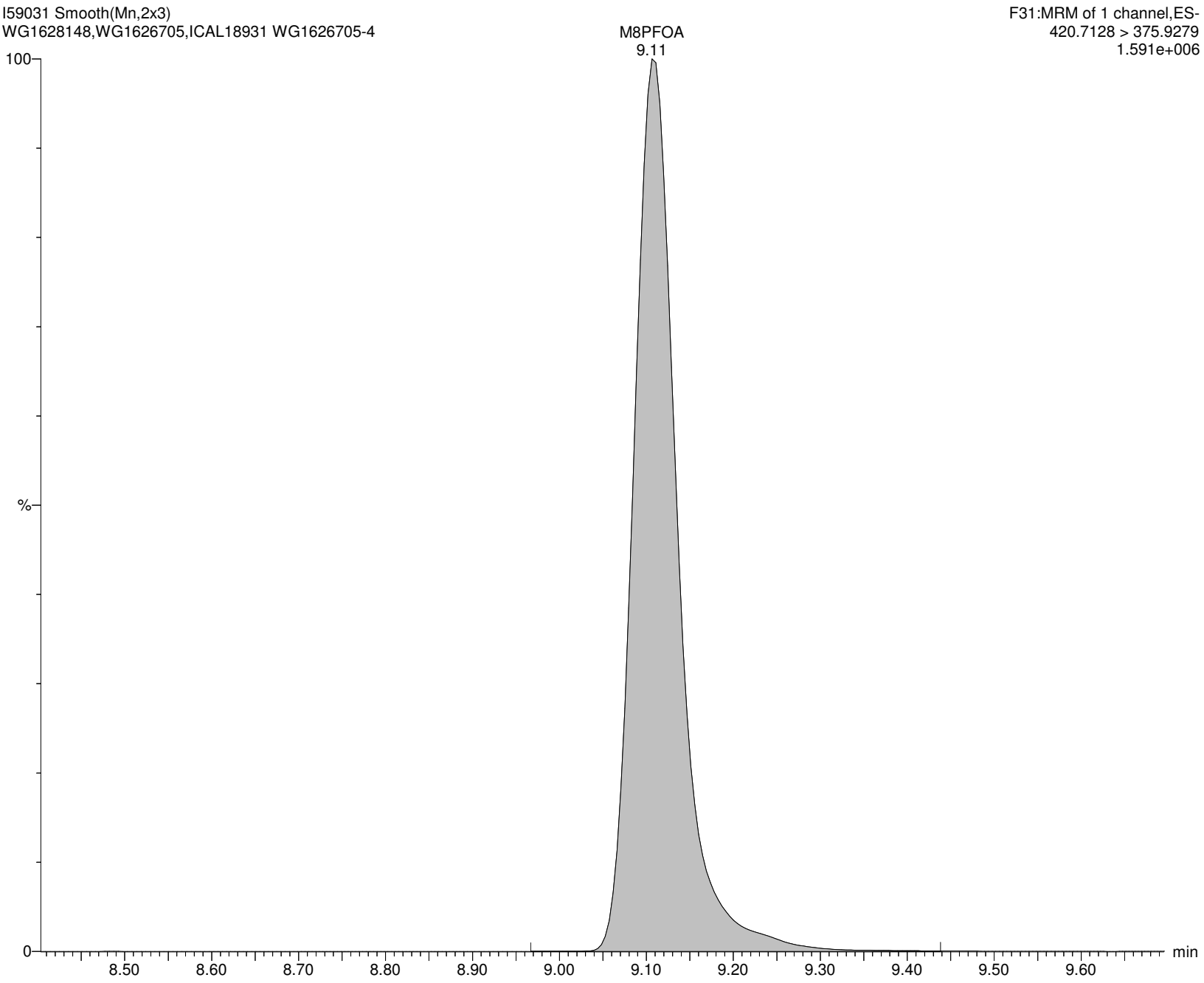


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M8PFOA

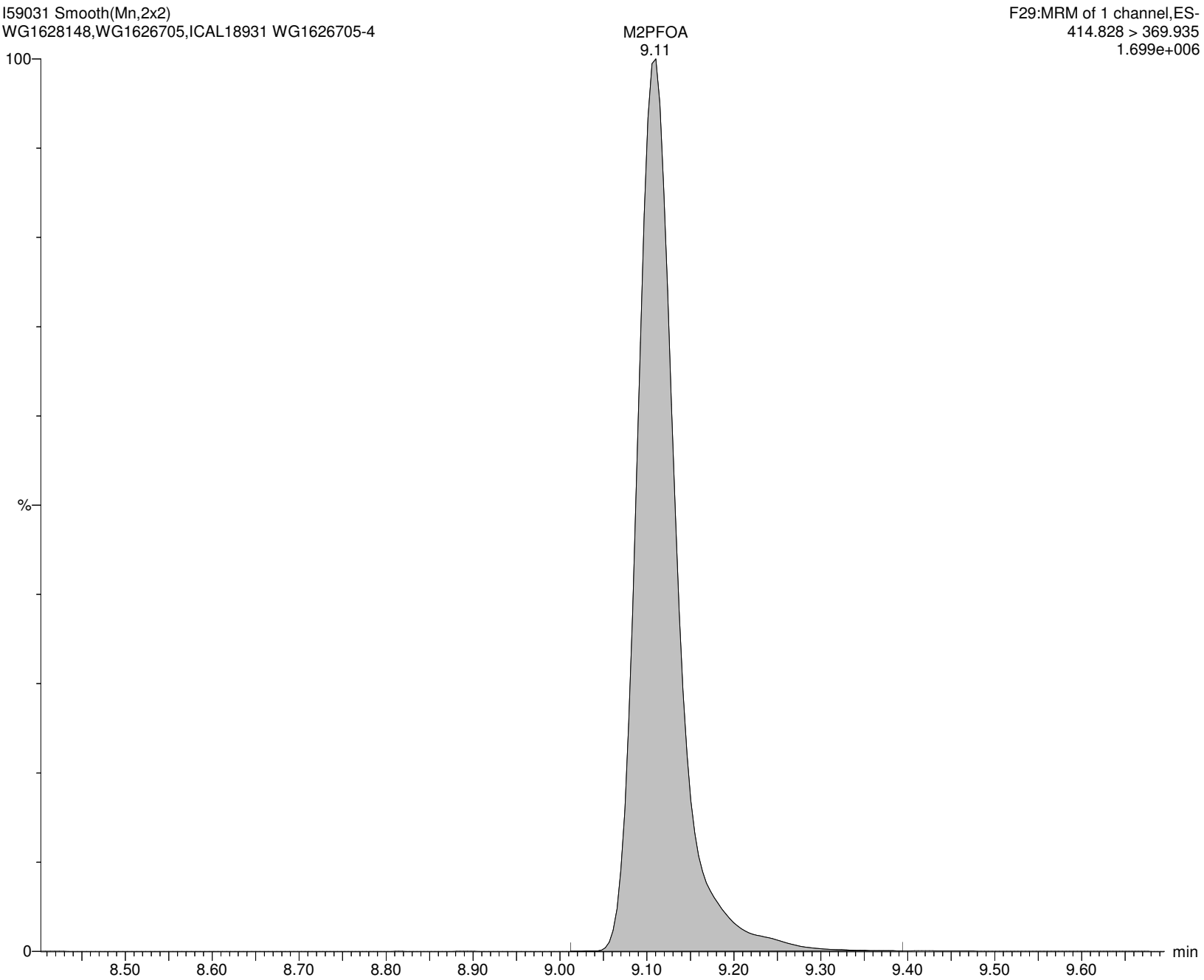


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:15 Eastern Daylight Time

Name: I59031
ID: WG1626705-4
Date: 18-Apr-2022
Time: 01:51:03
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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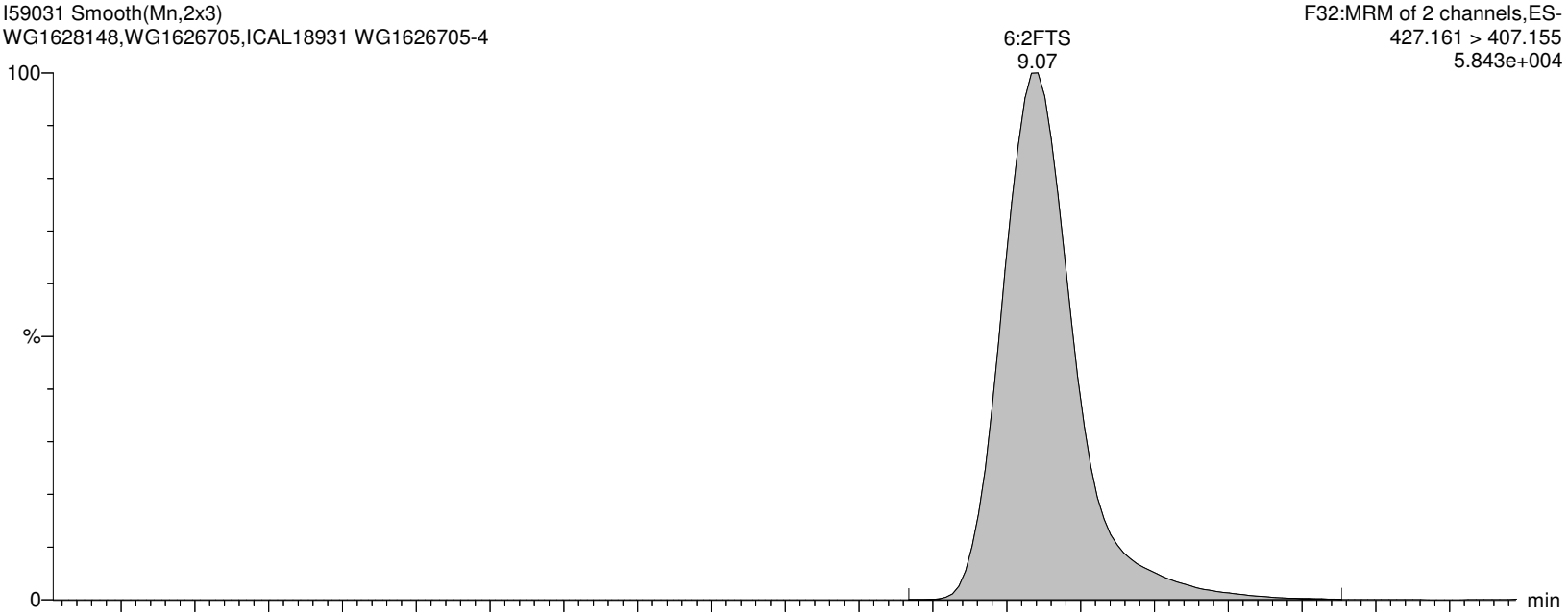


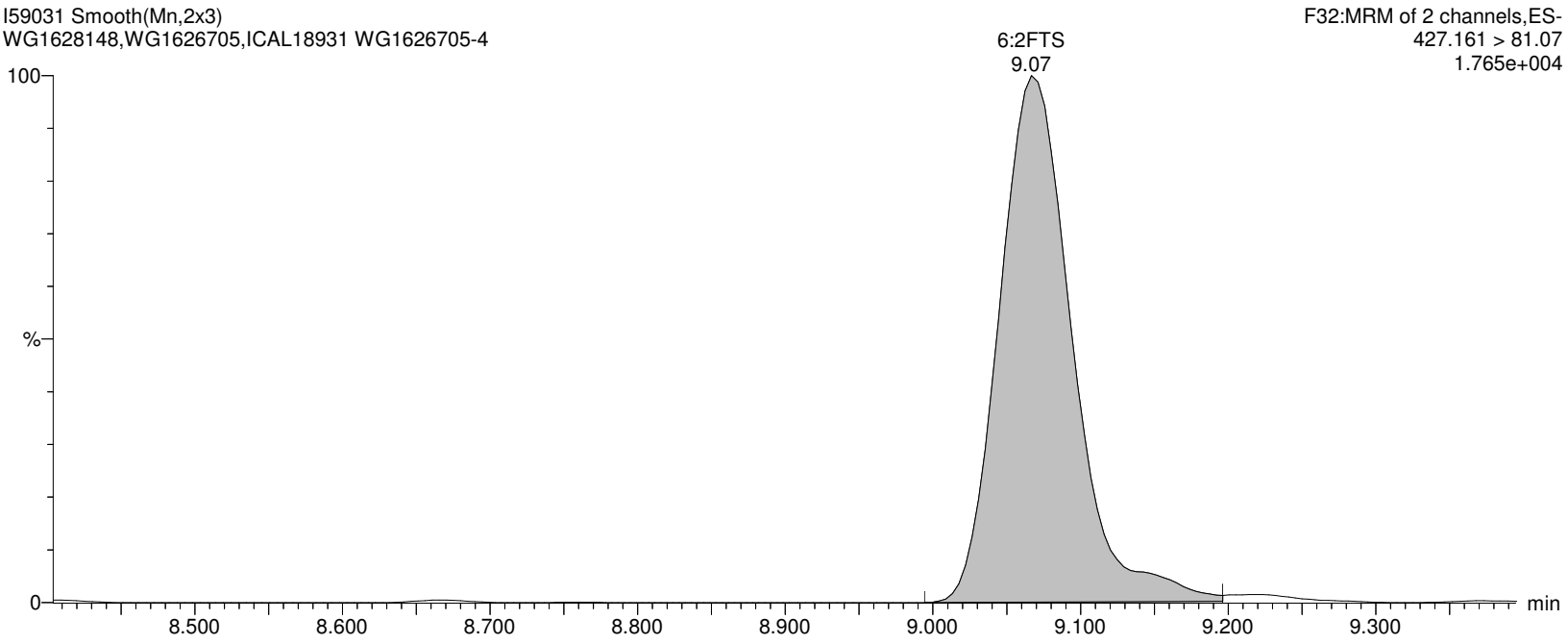
all concentration units in (ng/mL)

Alpha Analytical Inc.
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6:2FTS



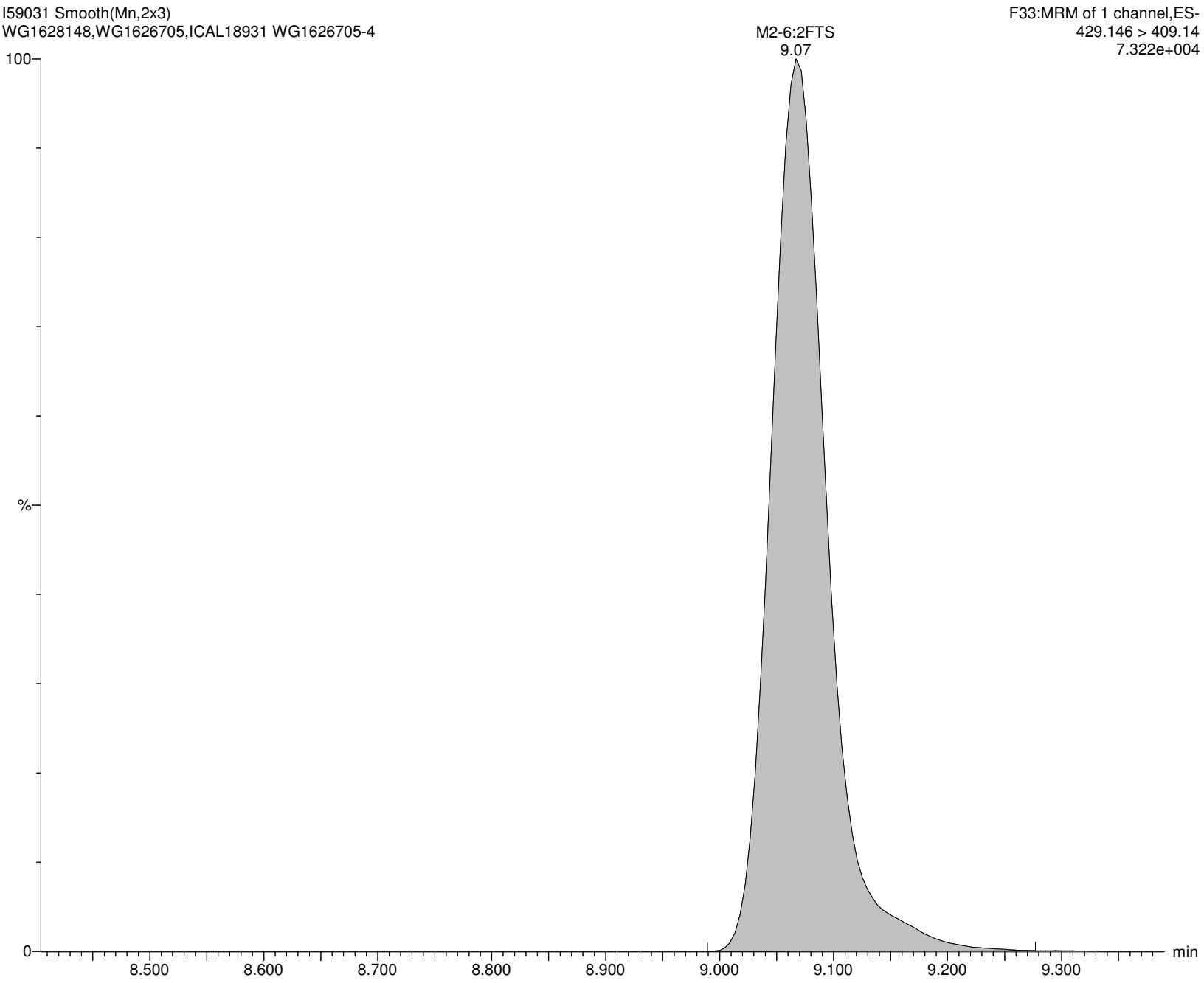


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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M2-6:2FTS

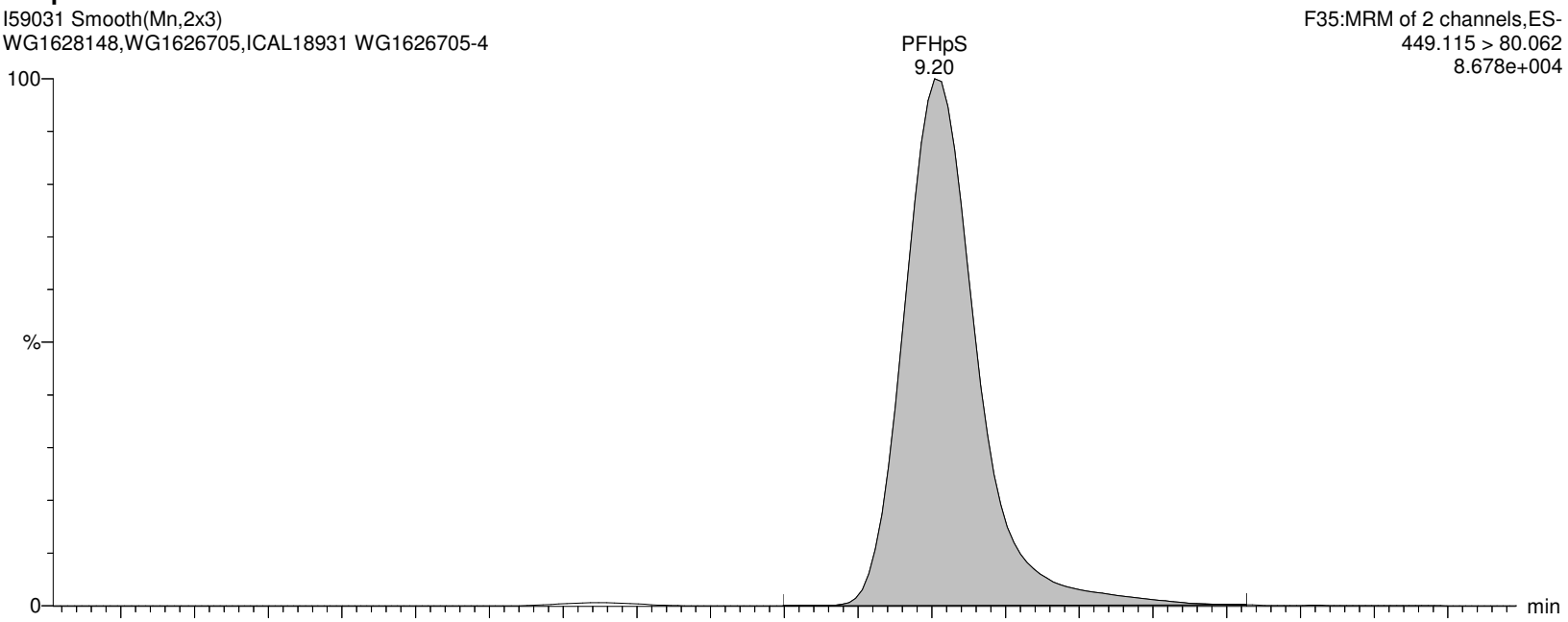


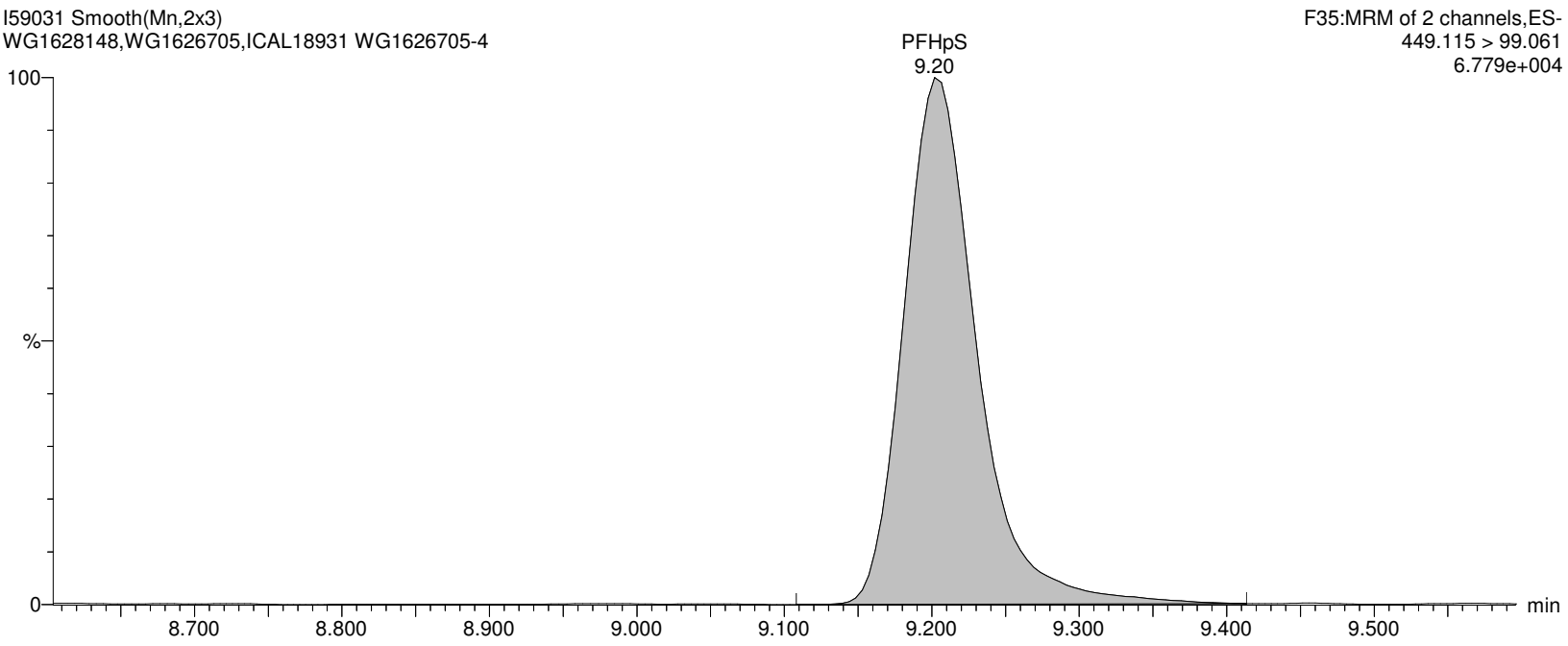
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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PFHpS



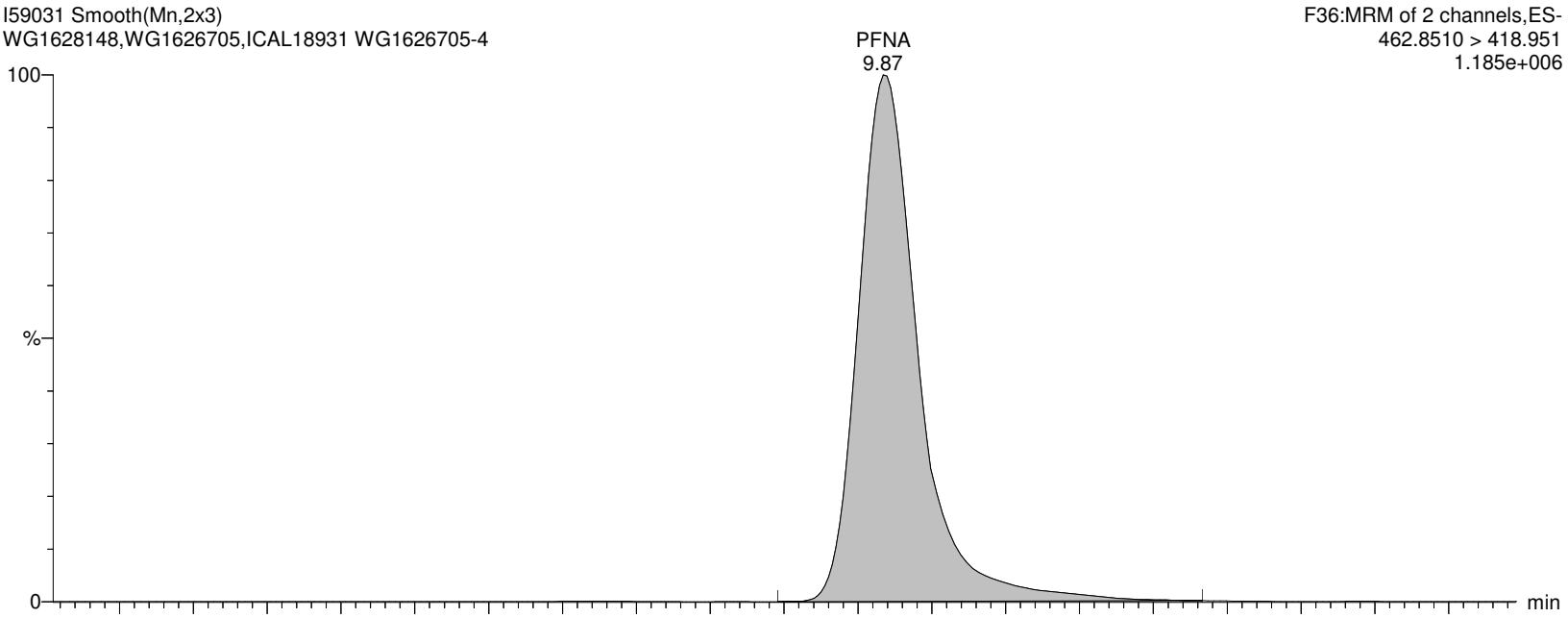


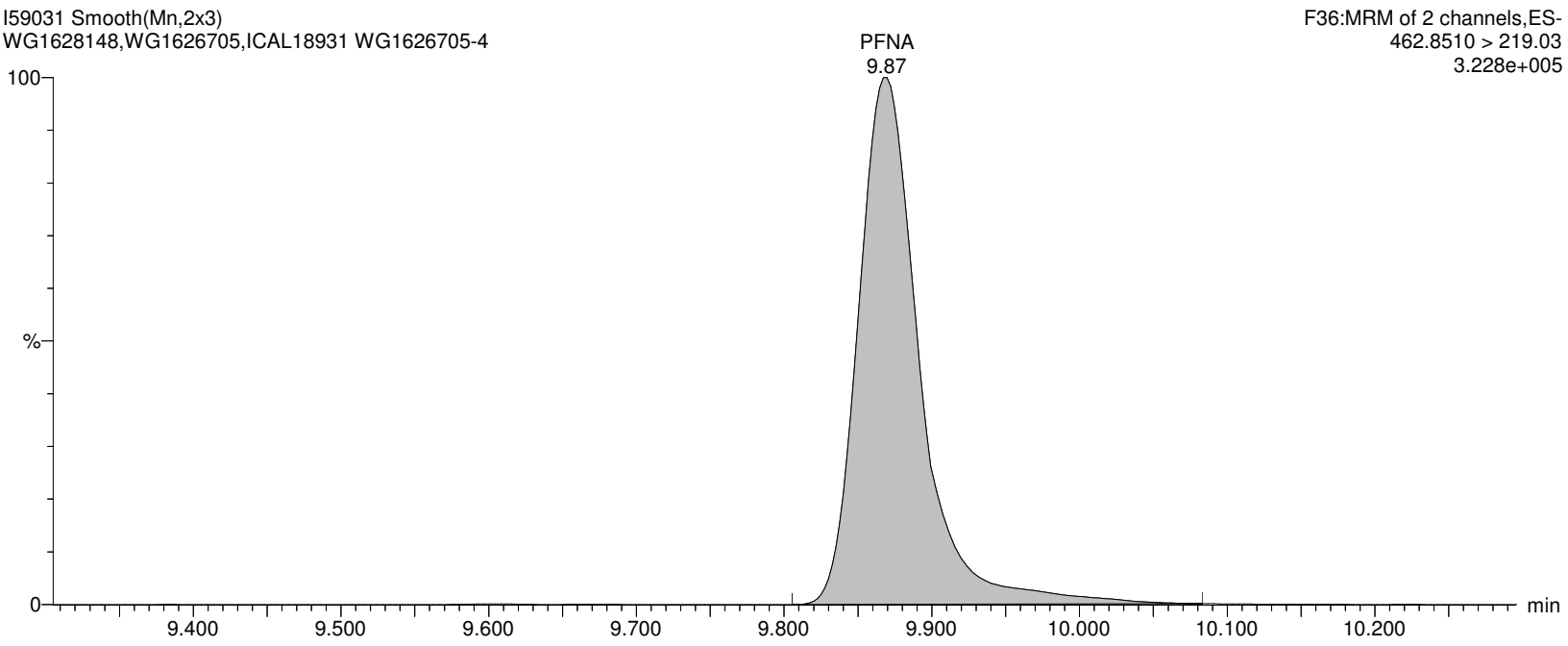
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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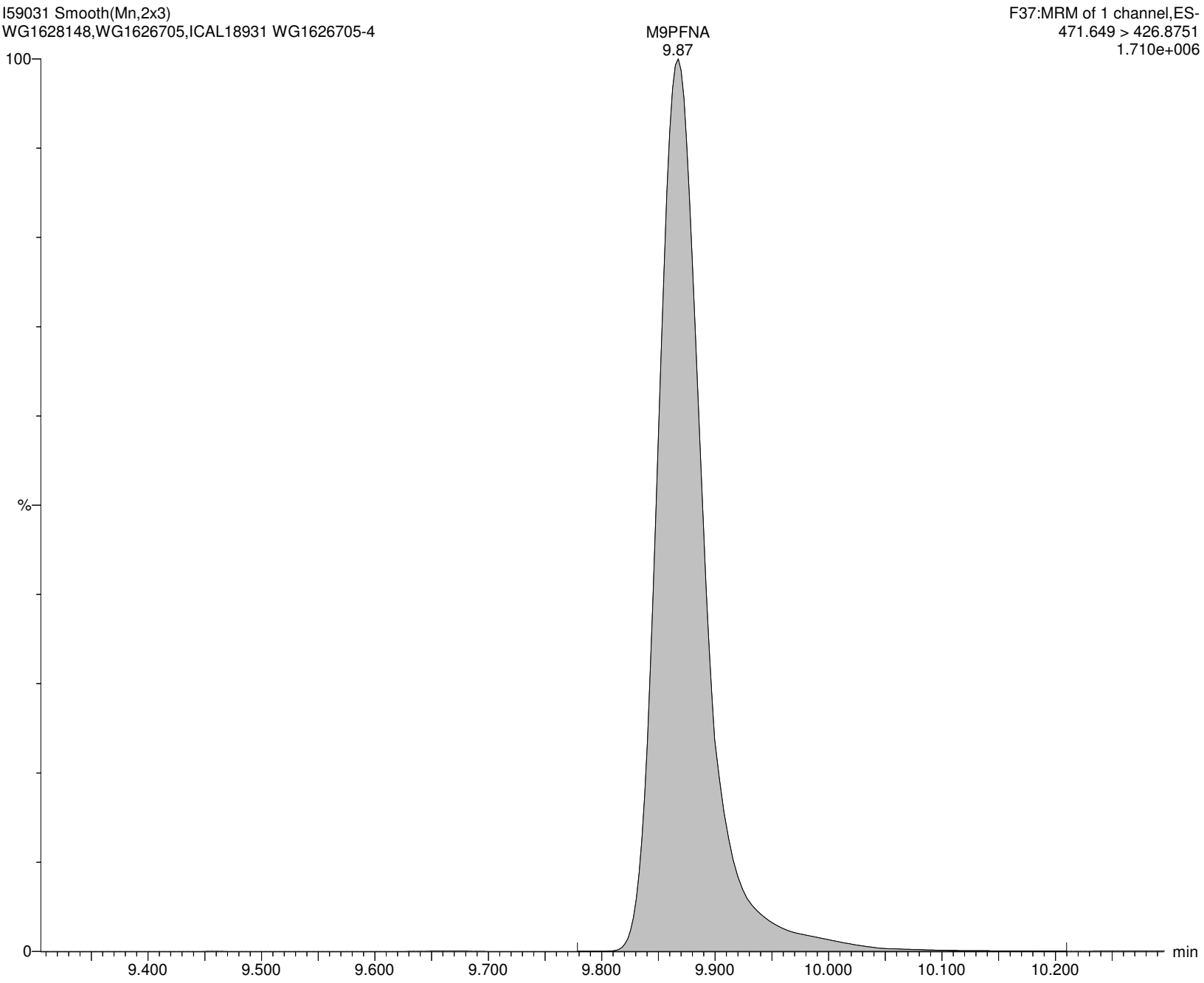


all concentration units in (ng/mL)

Alpha Analytical Inc.
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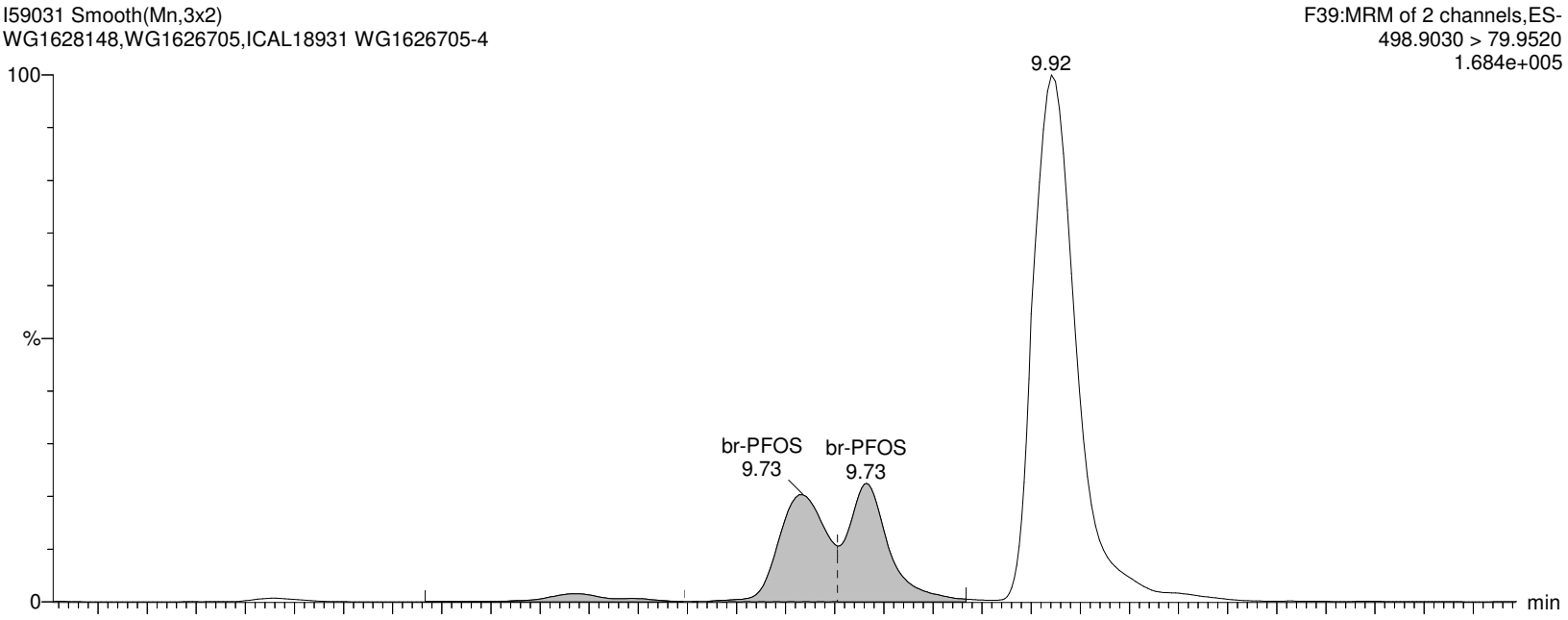


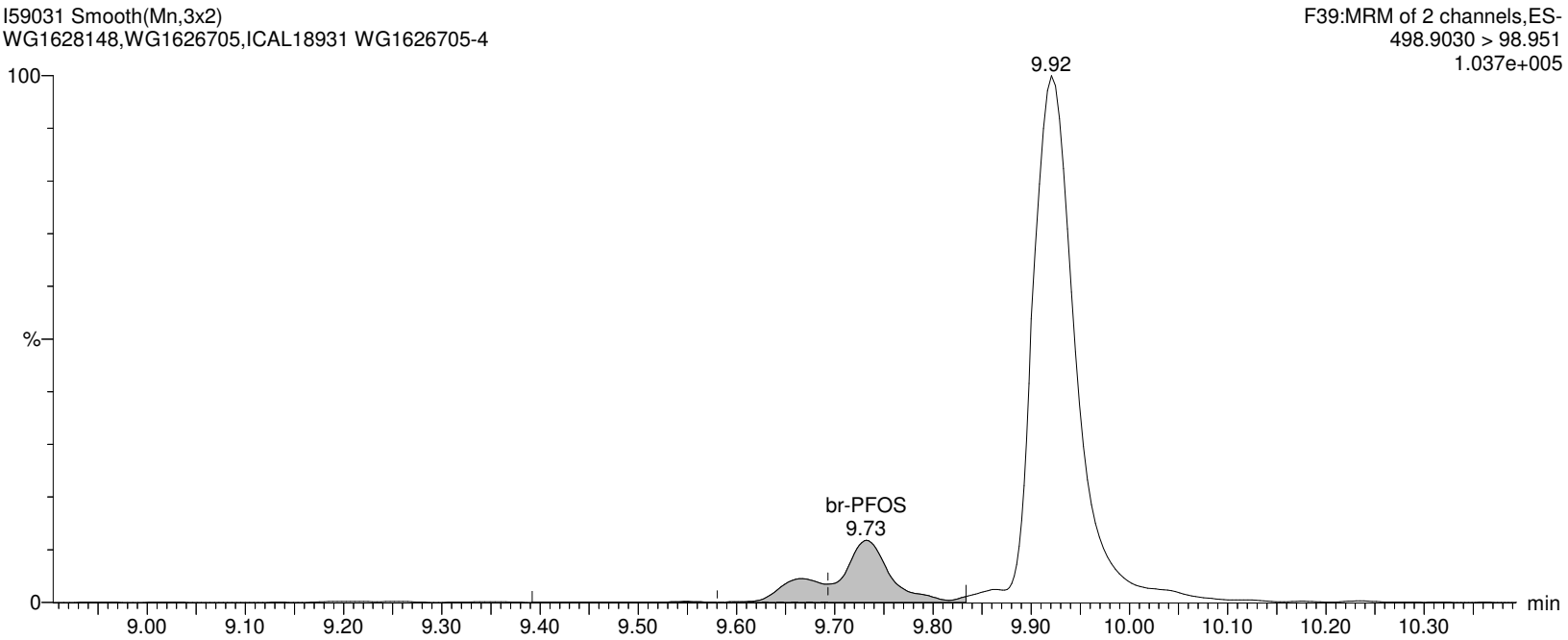
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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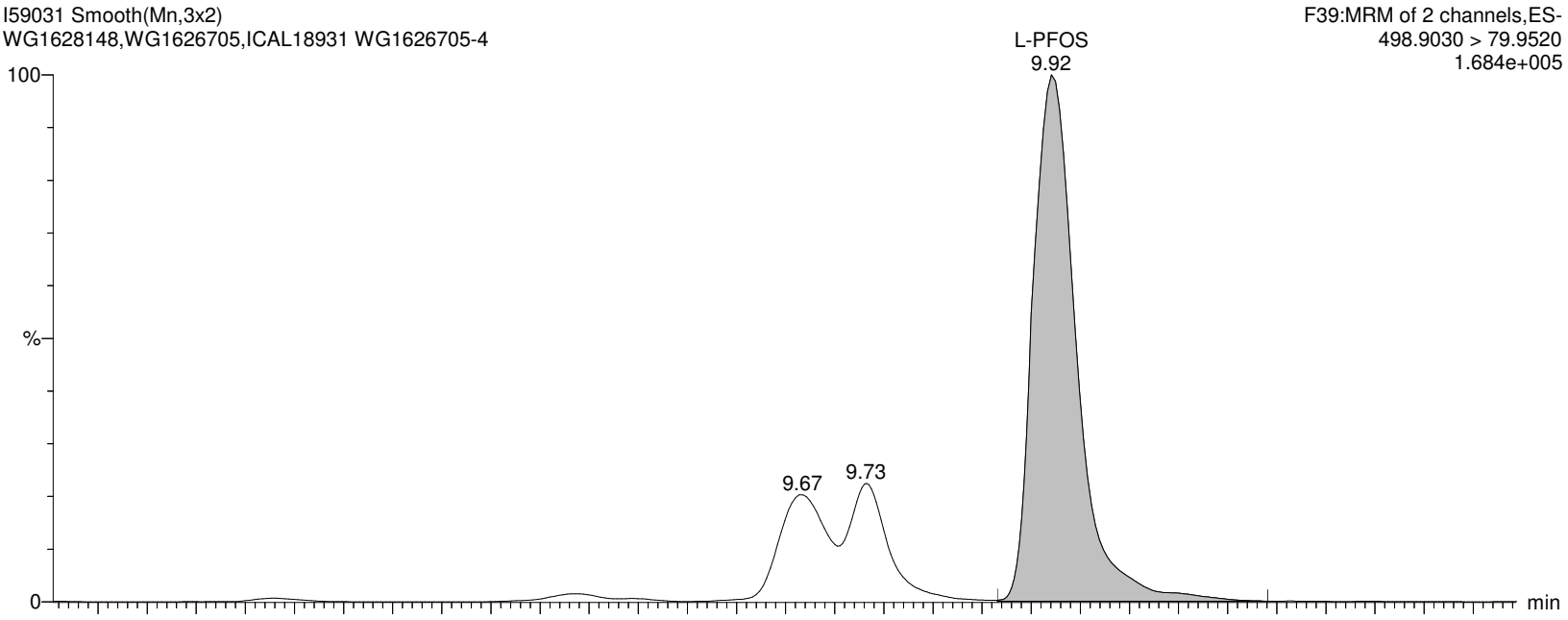


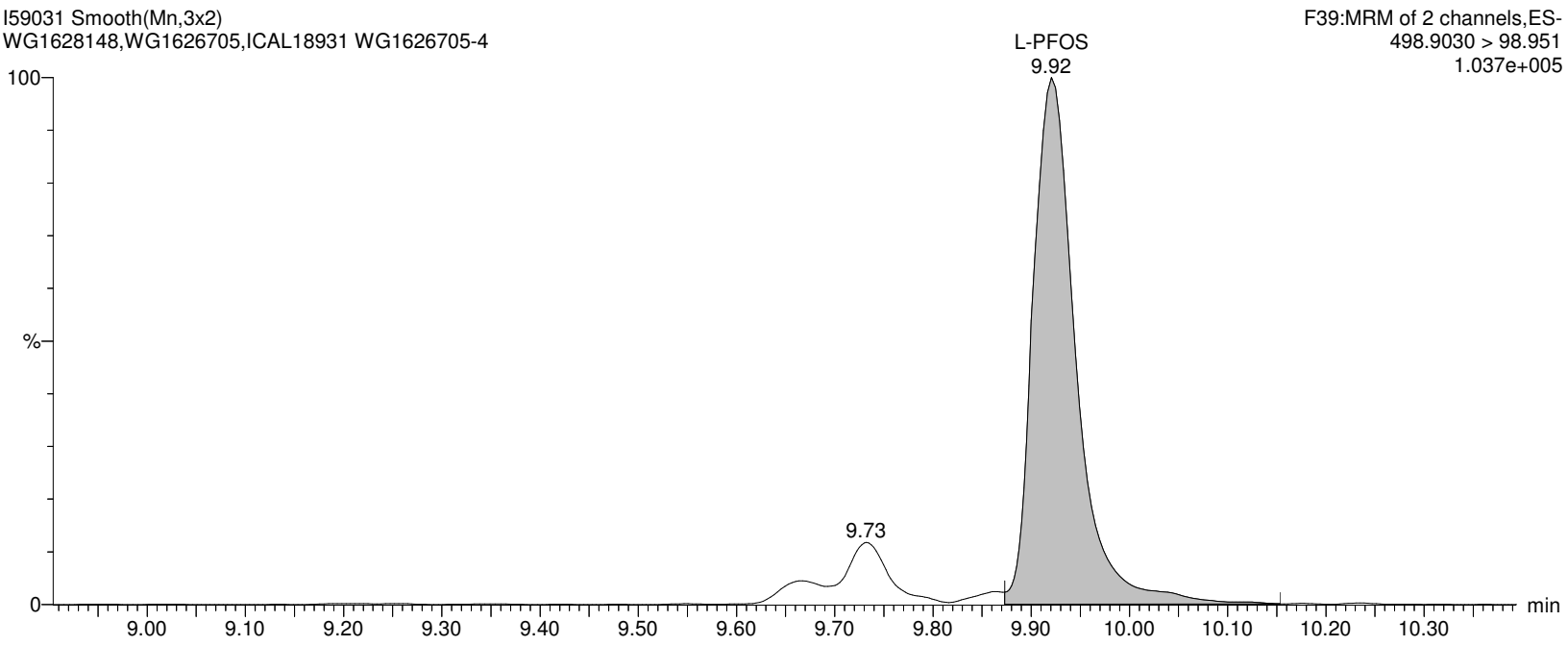
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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L-PFOS



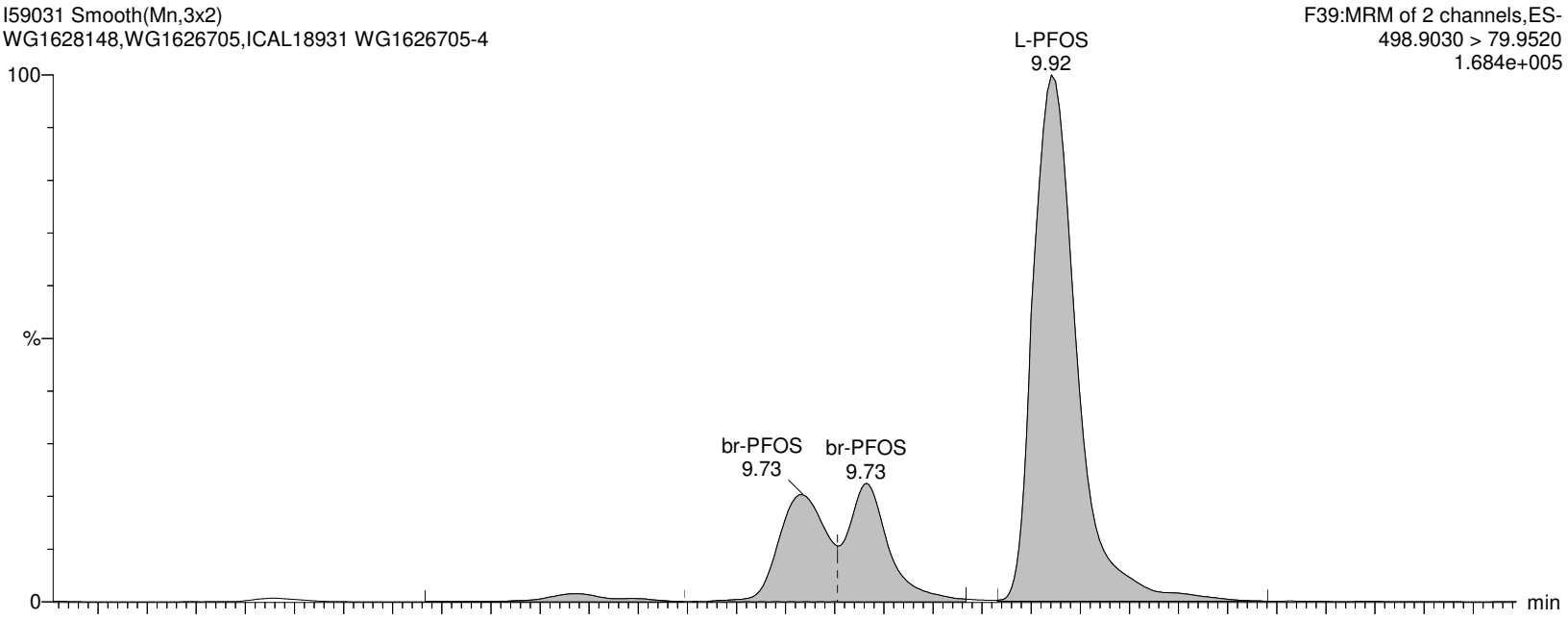


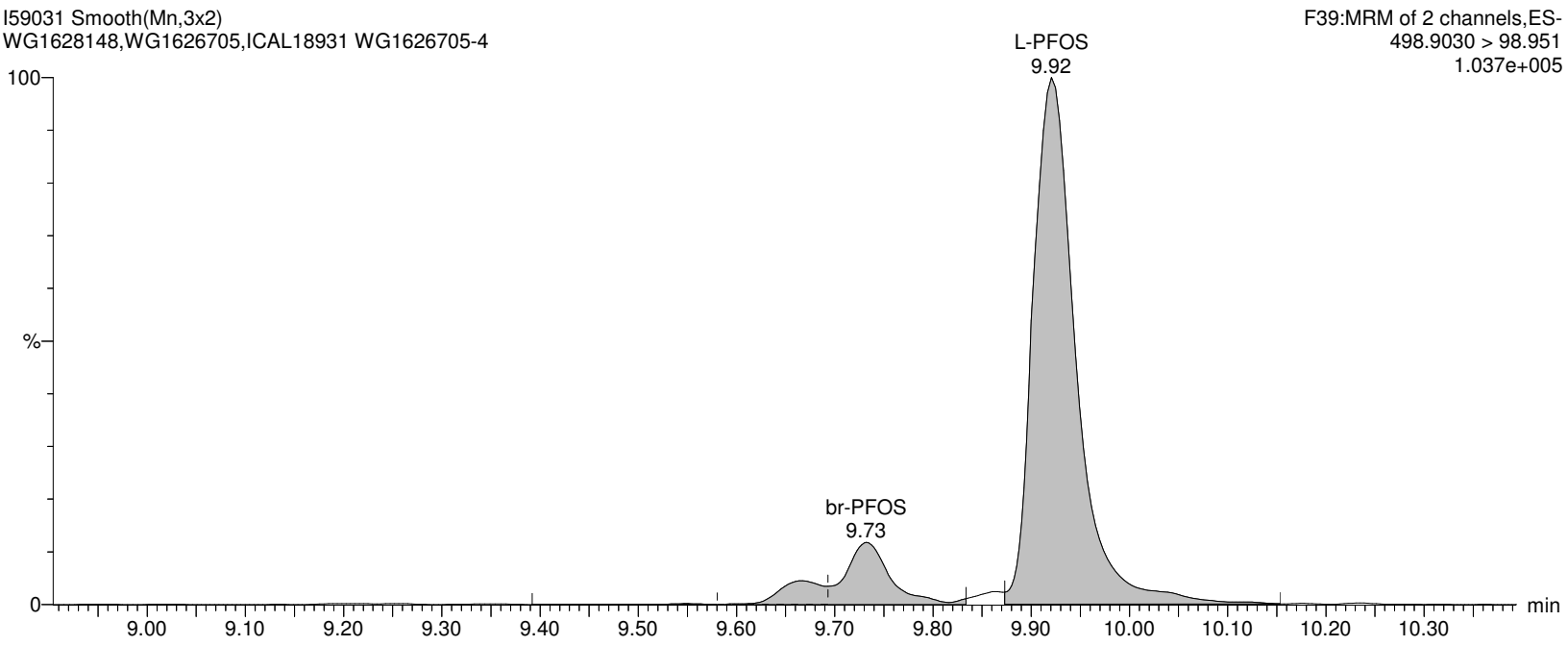
all concentration units in (ng/mL)

Alpha Analytical Inc.
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PFOS



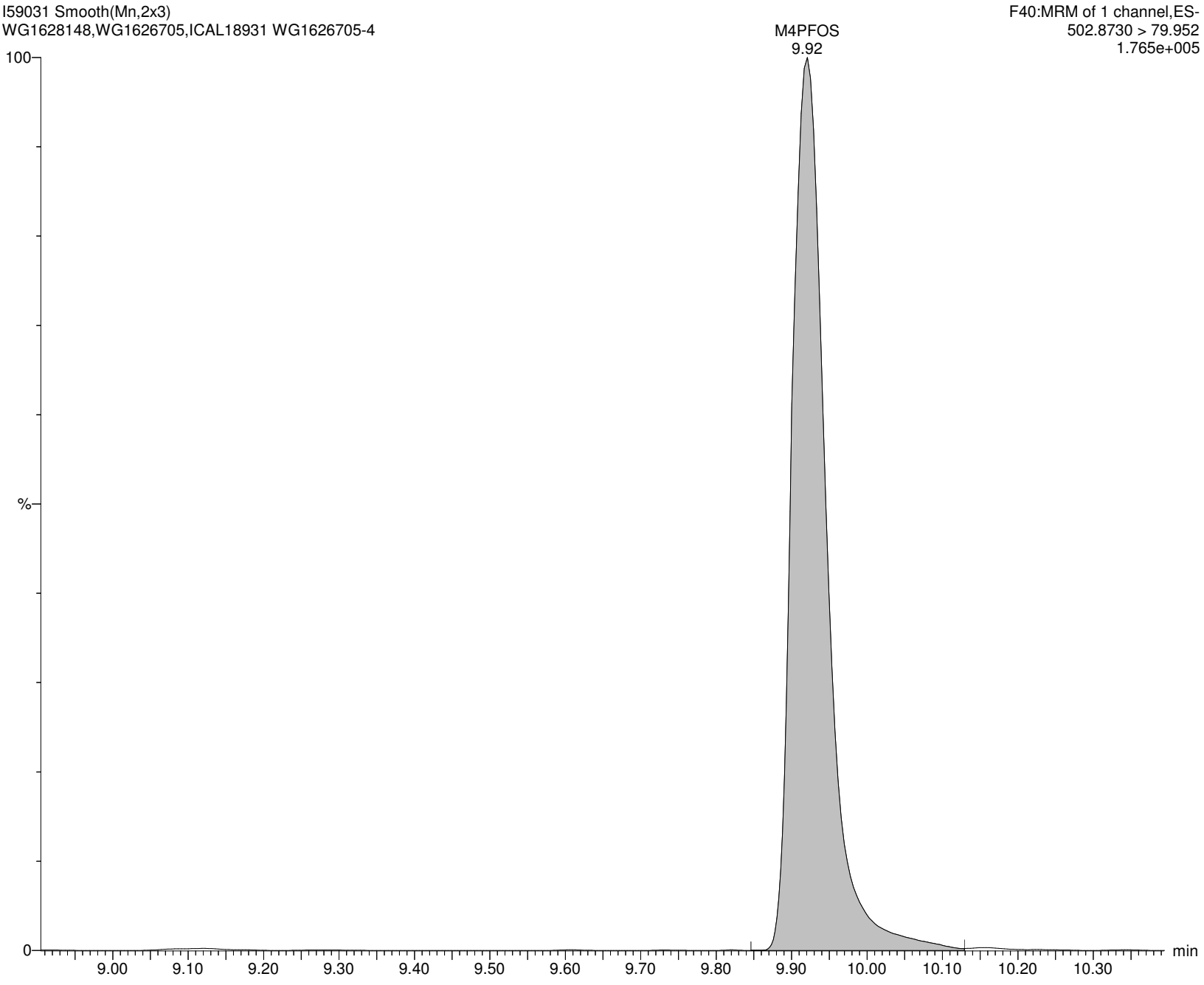


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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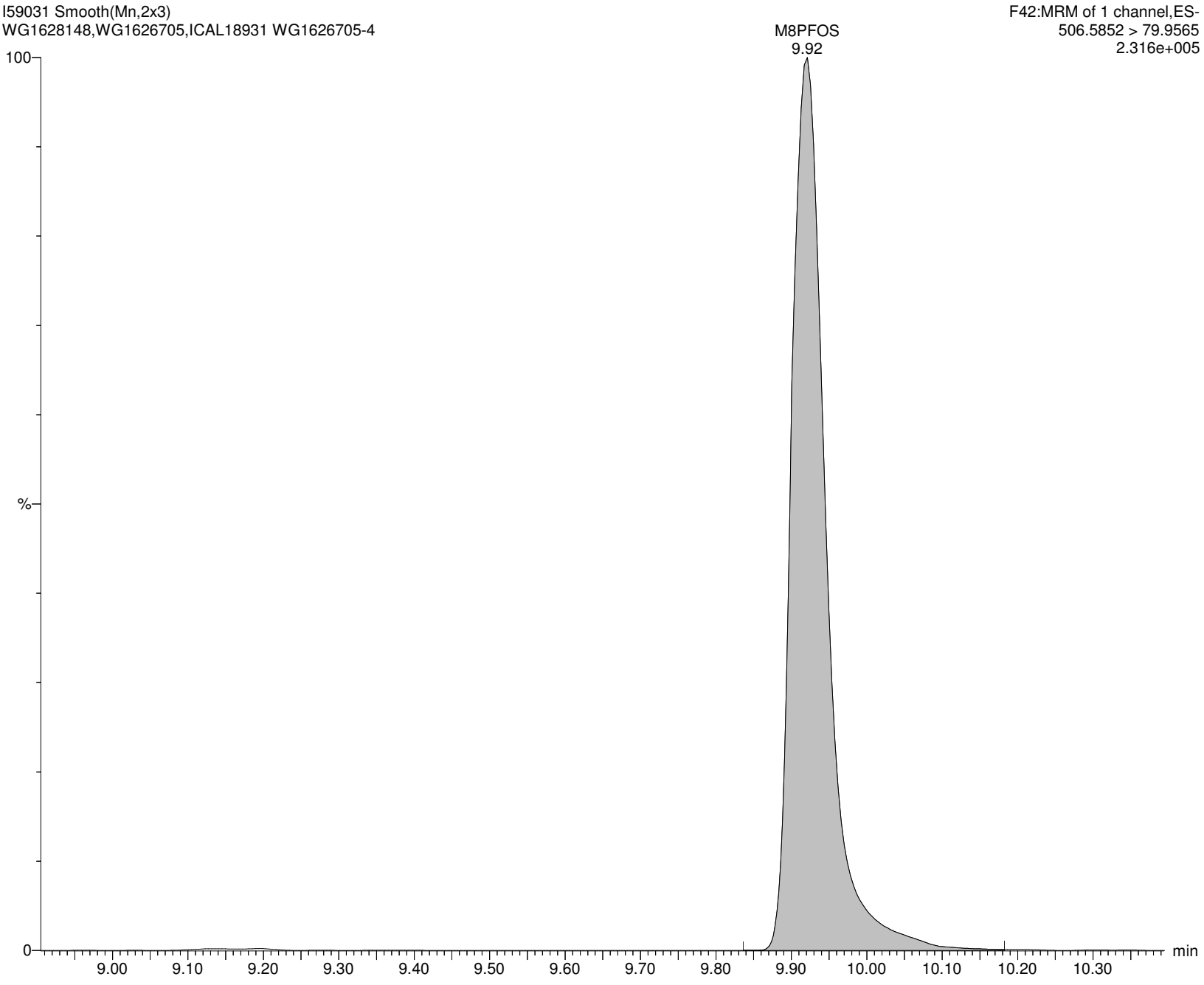


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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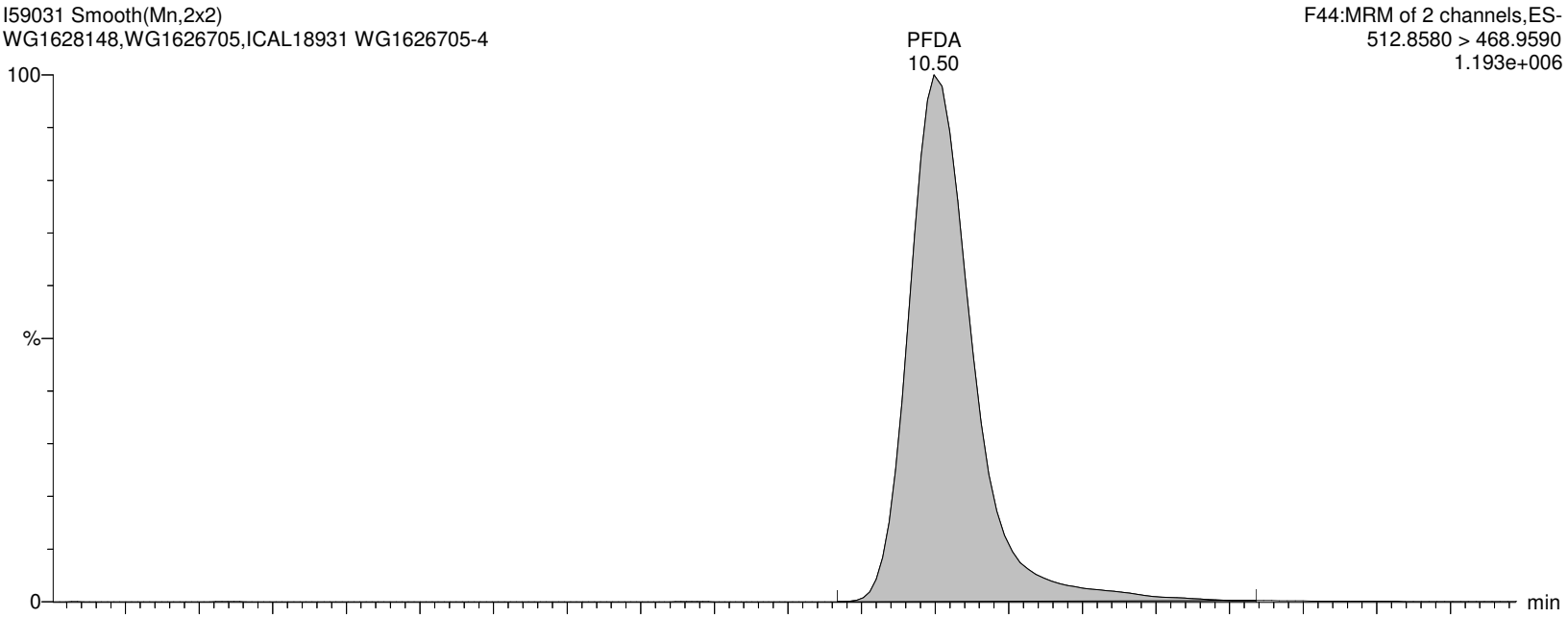


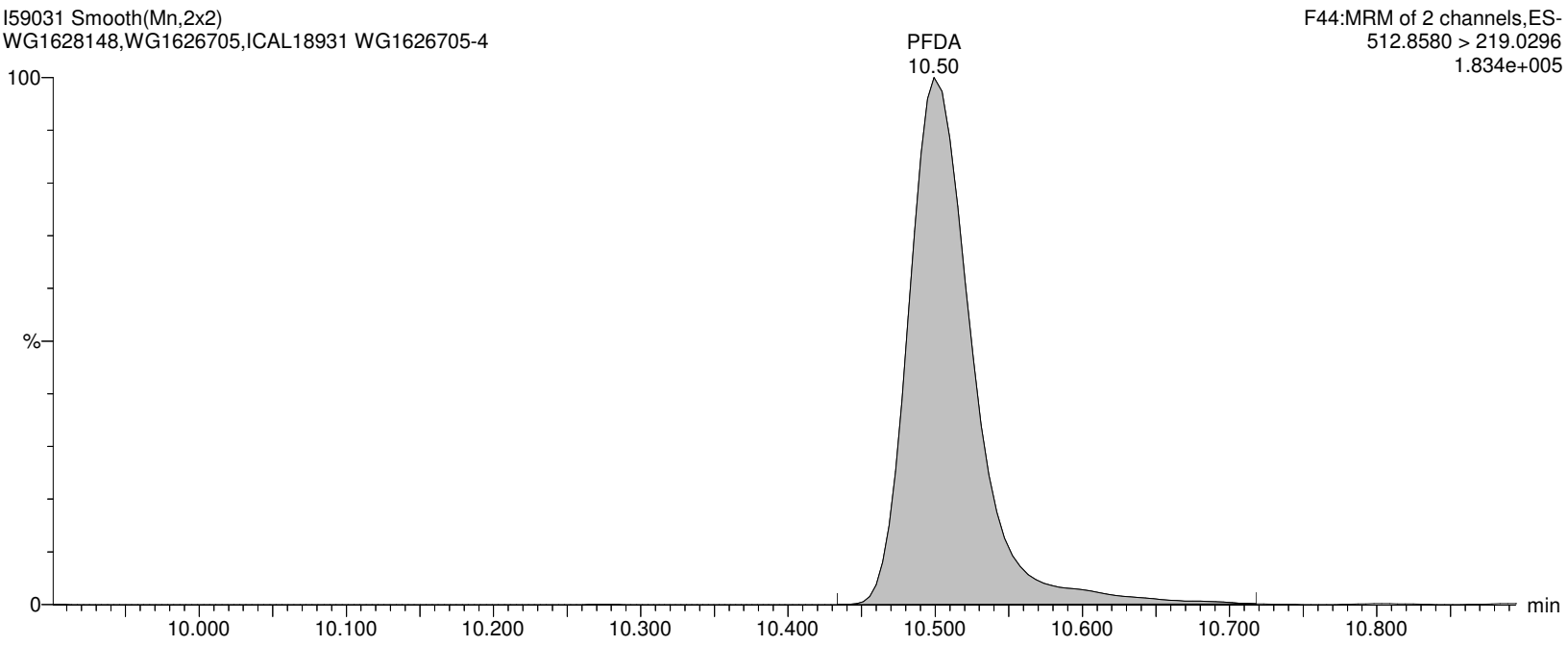
all concentration units in (ng/mL)

Alpha Analytical Inc.
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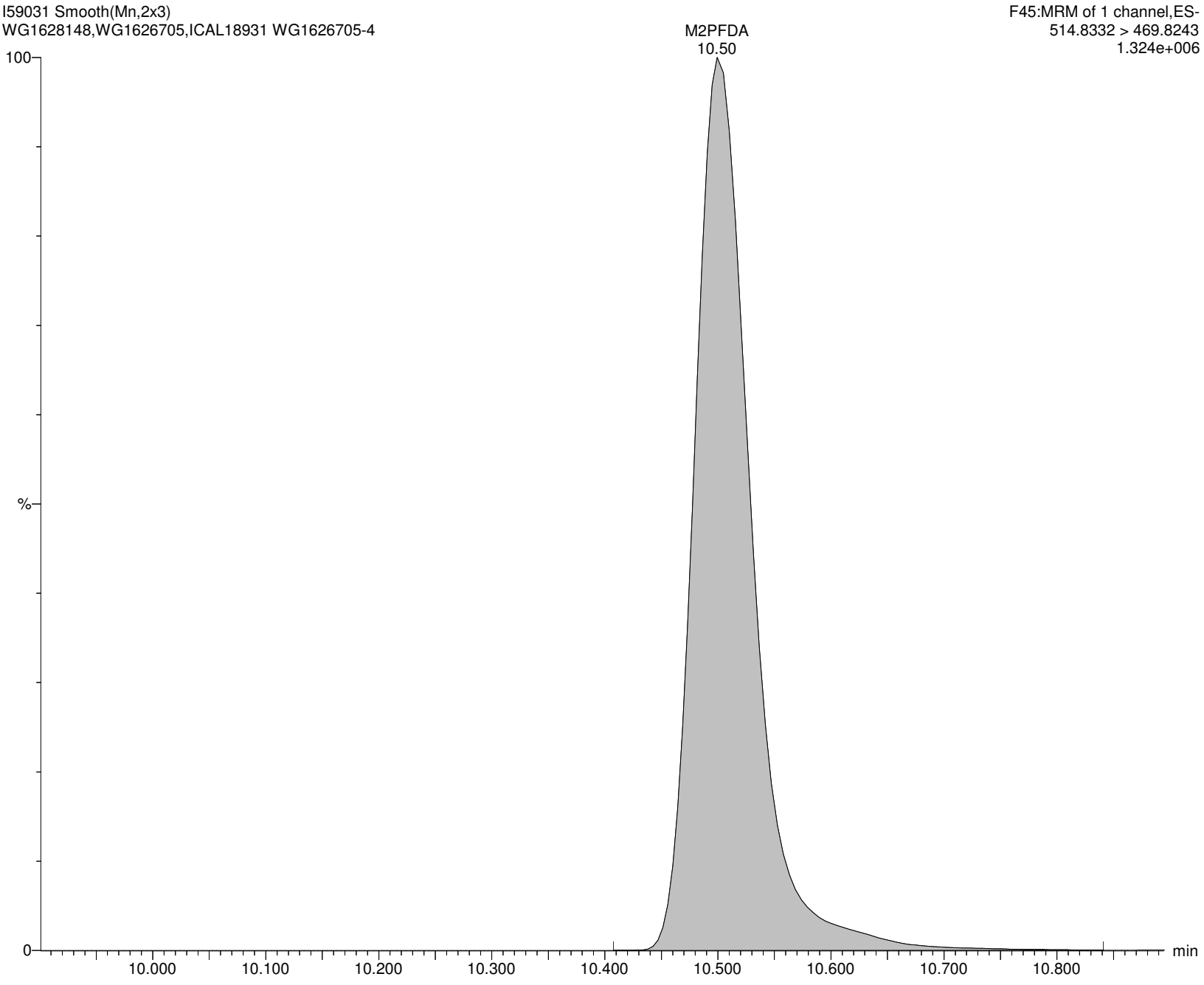


all concentration units in (ng/mL)

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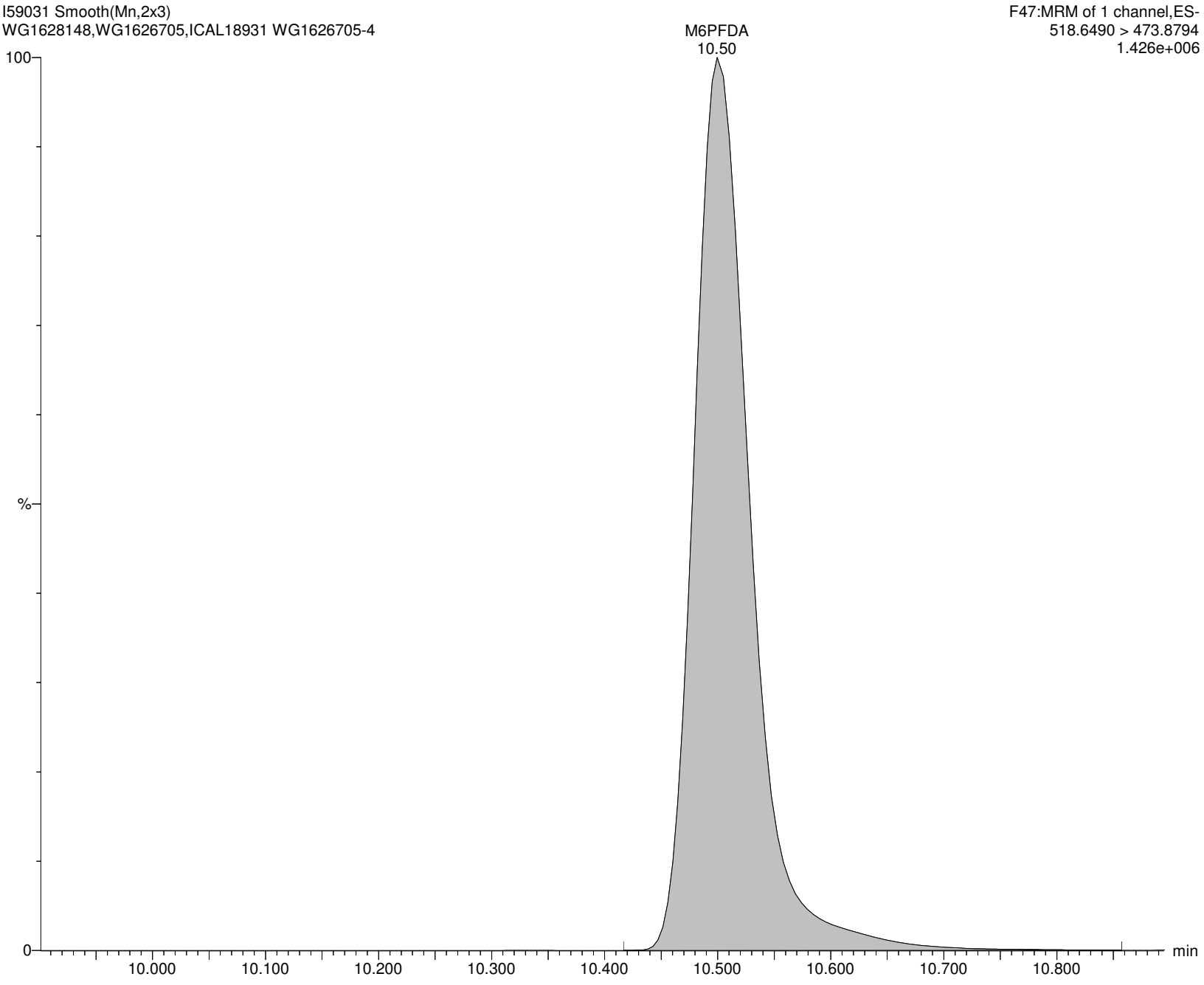


all concentration units in (ng/mL)

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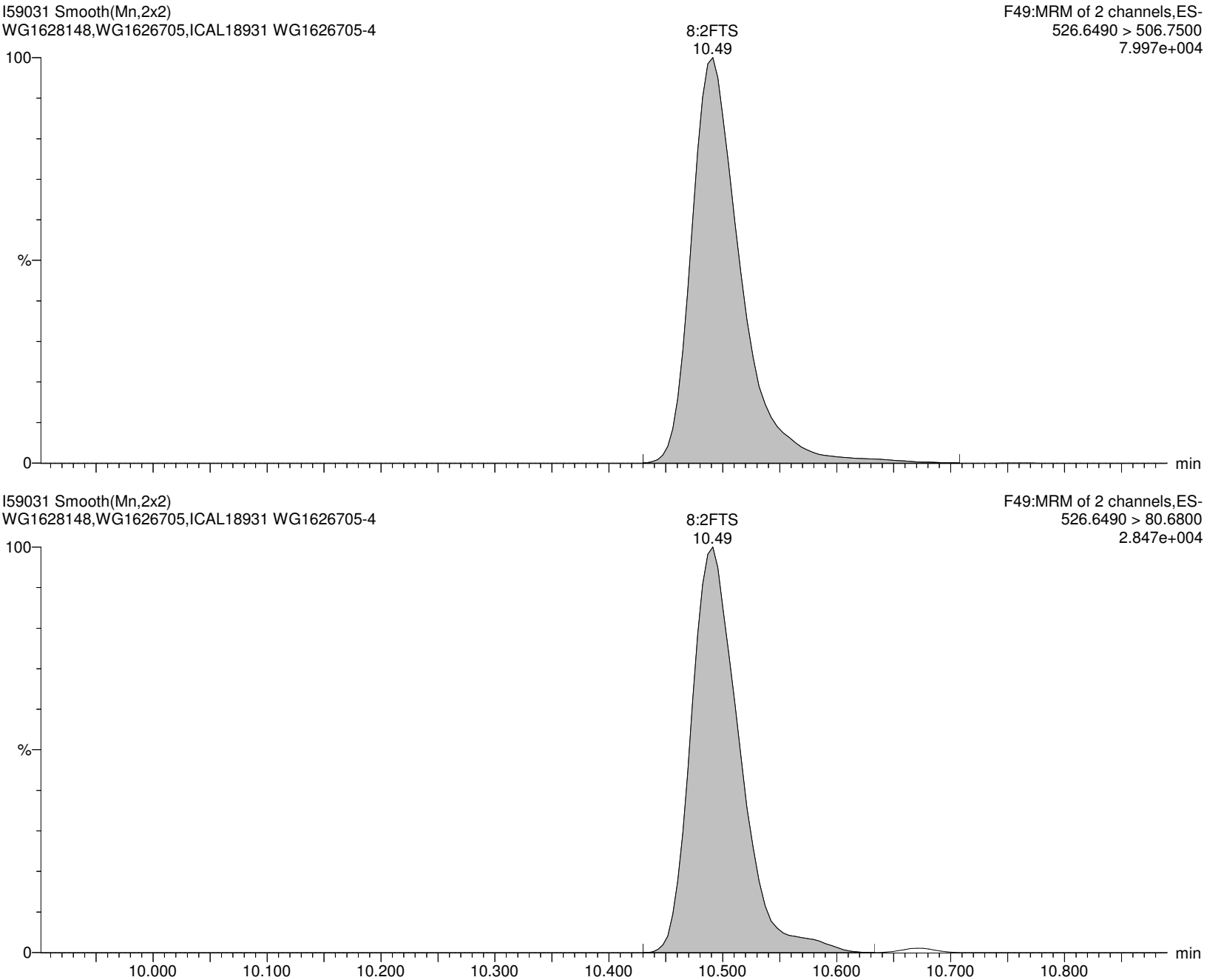


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
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8:2FTS

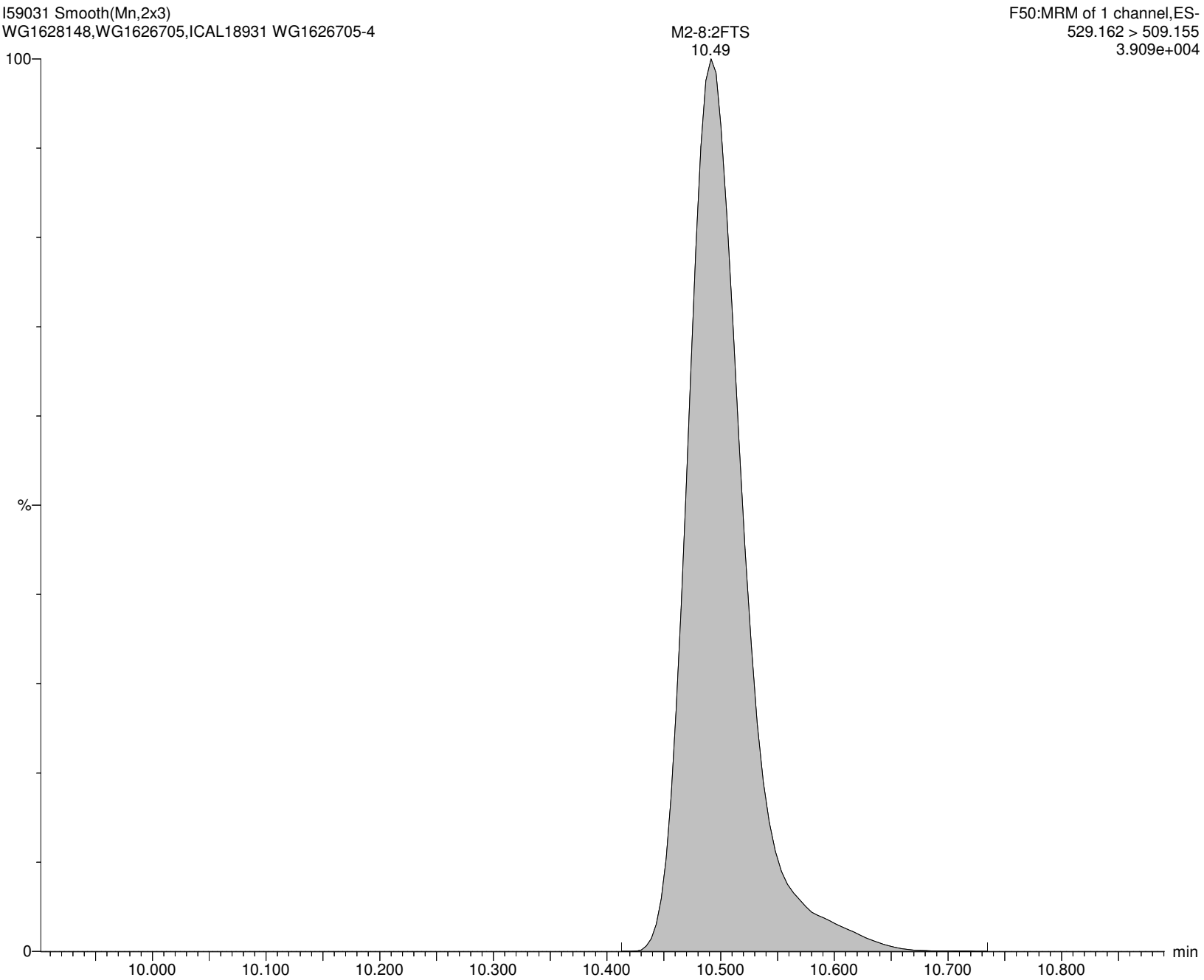


all concentration units in (ng/mL)

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M2-8:2FTS

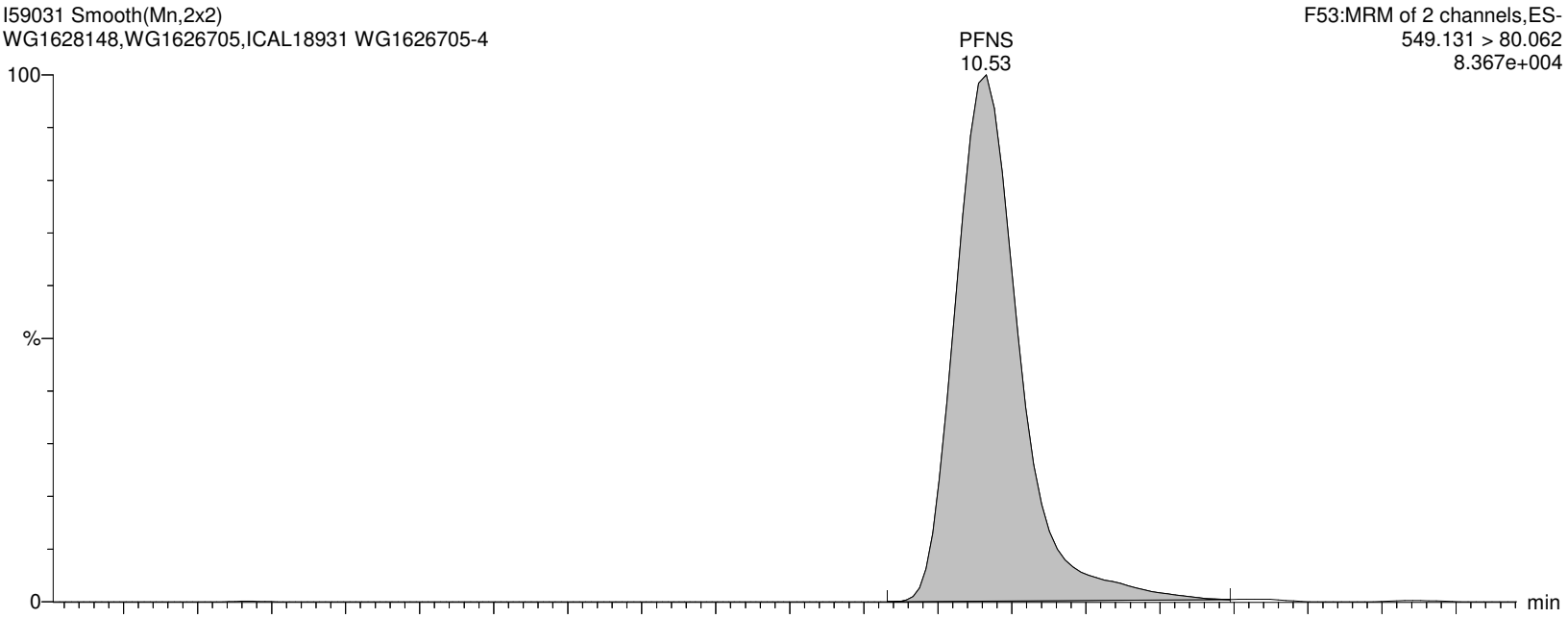


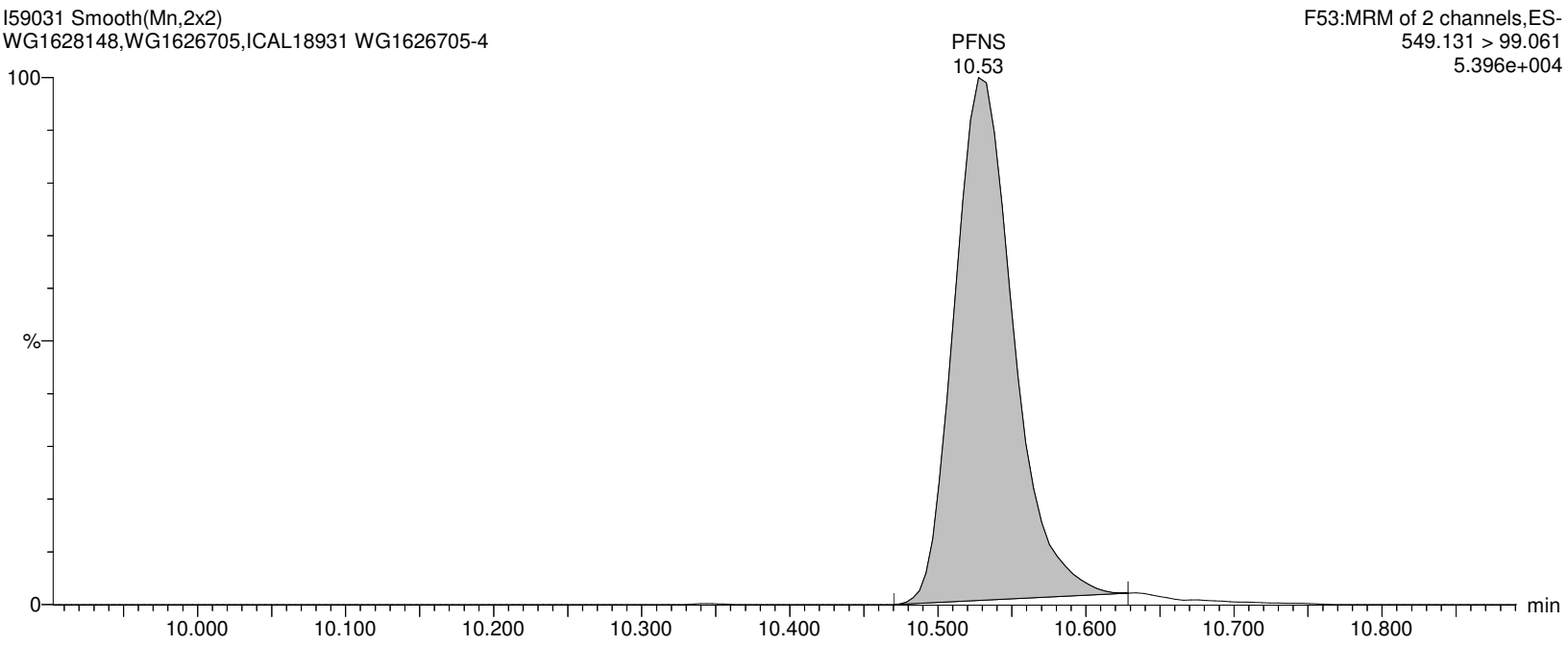
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:15 Eastern Daylight Time

Name: I59031
ID: WG1626705-4
Date: 18-Apr-2022
Time: 01:51:03
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
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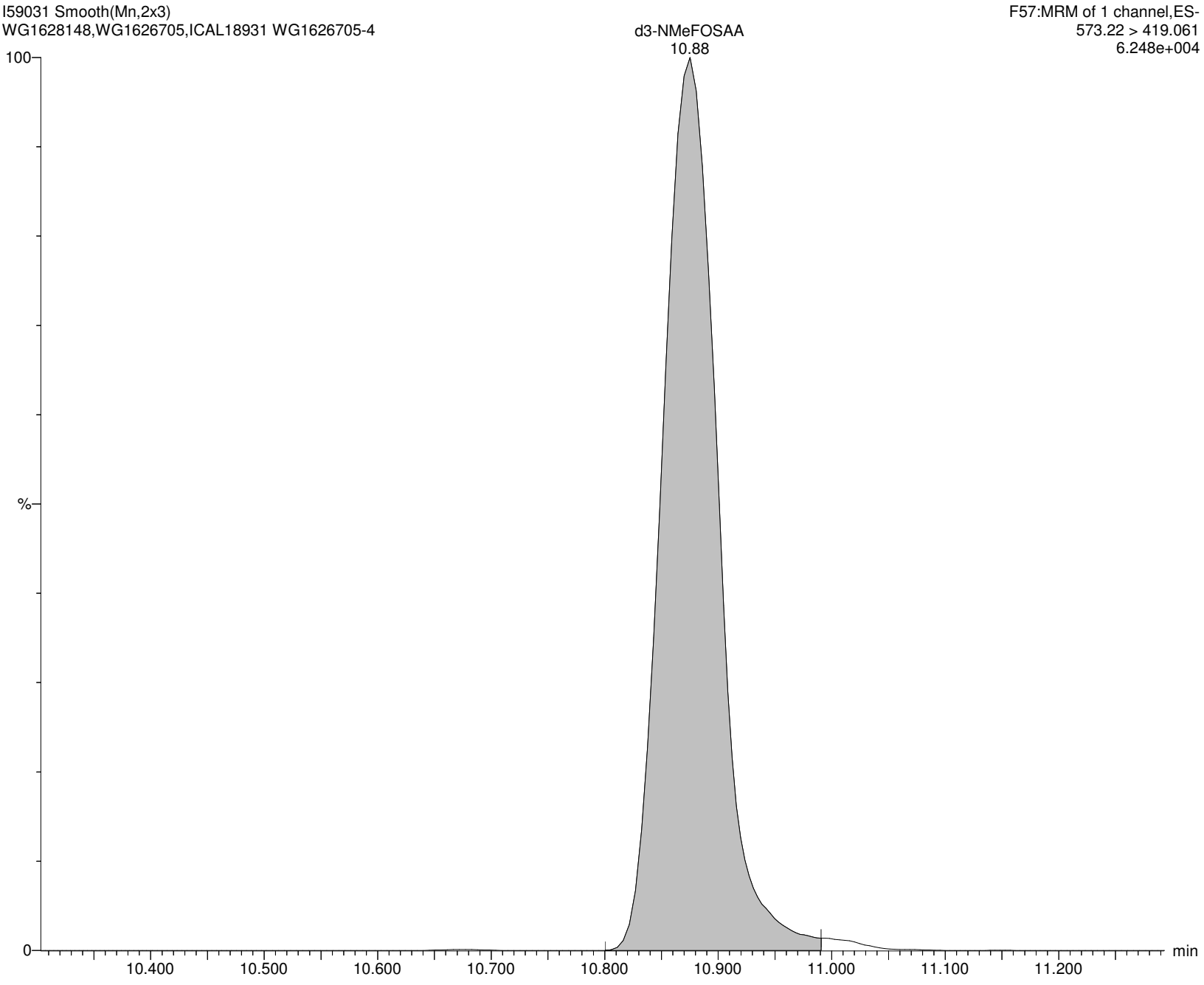


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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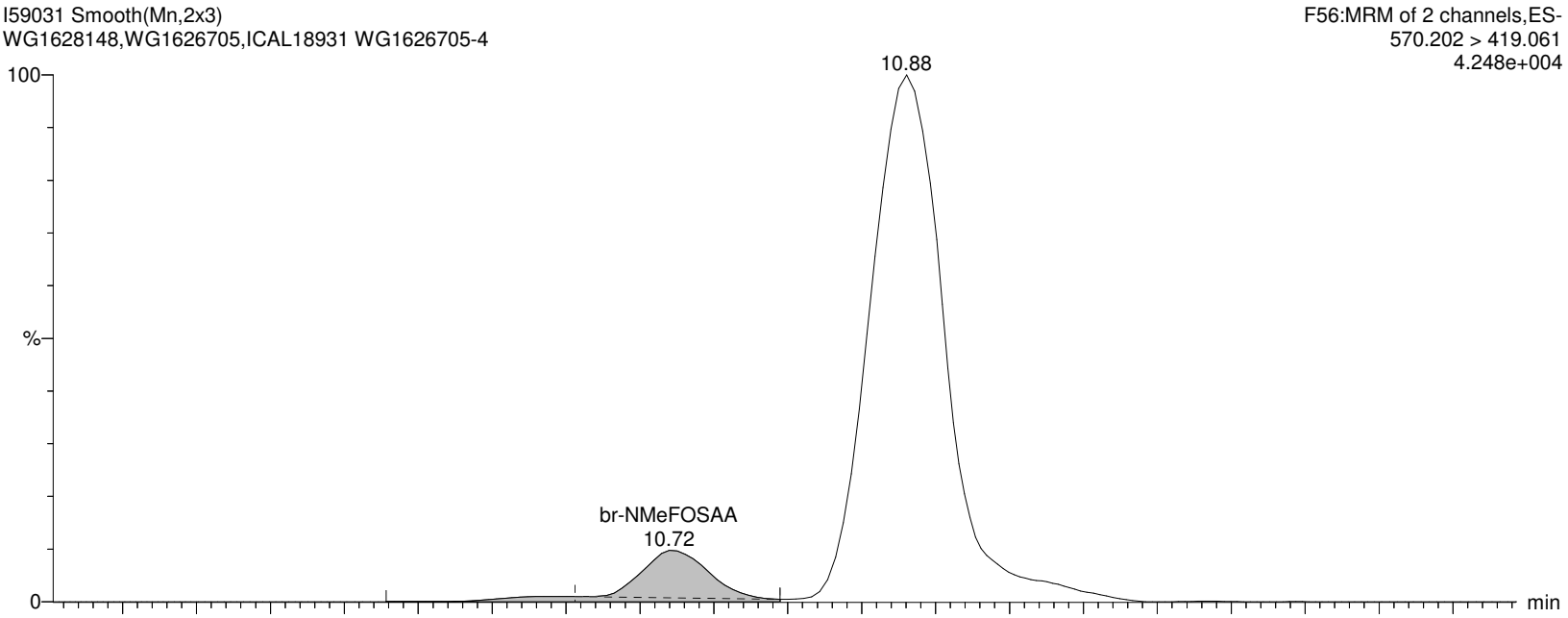


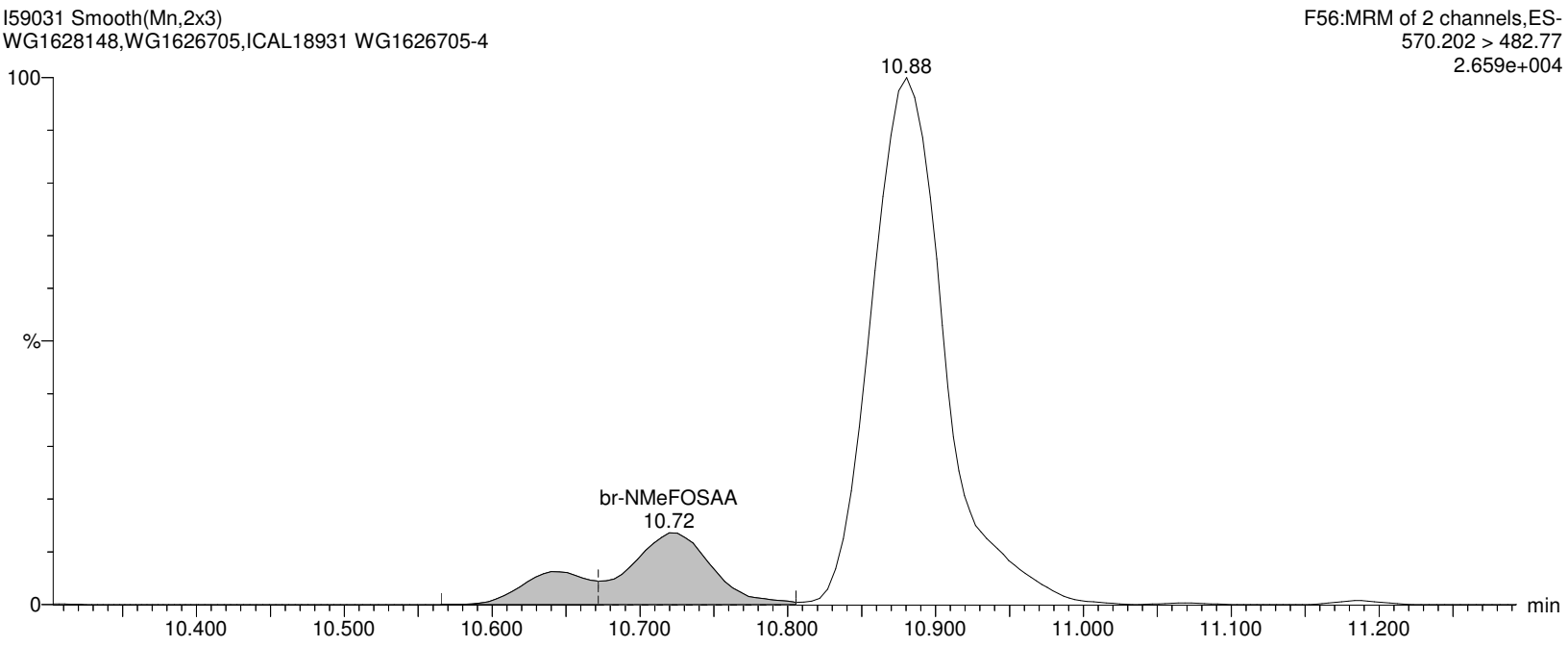
all concentration units in (ng/mL)

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br-NMeFOSAA



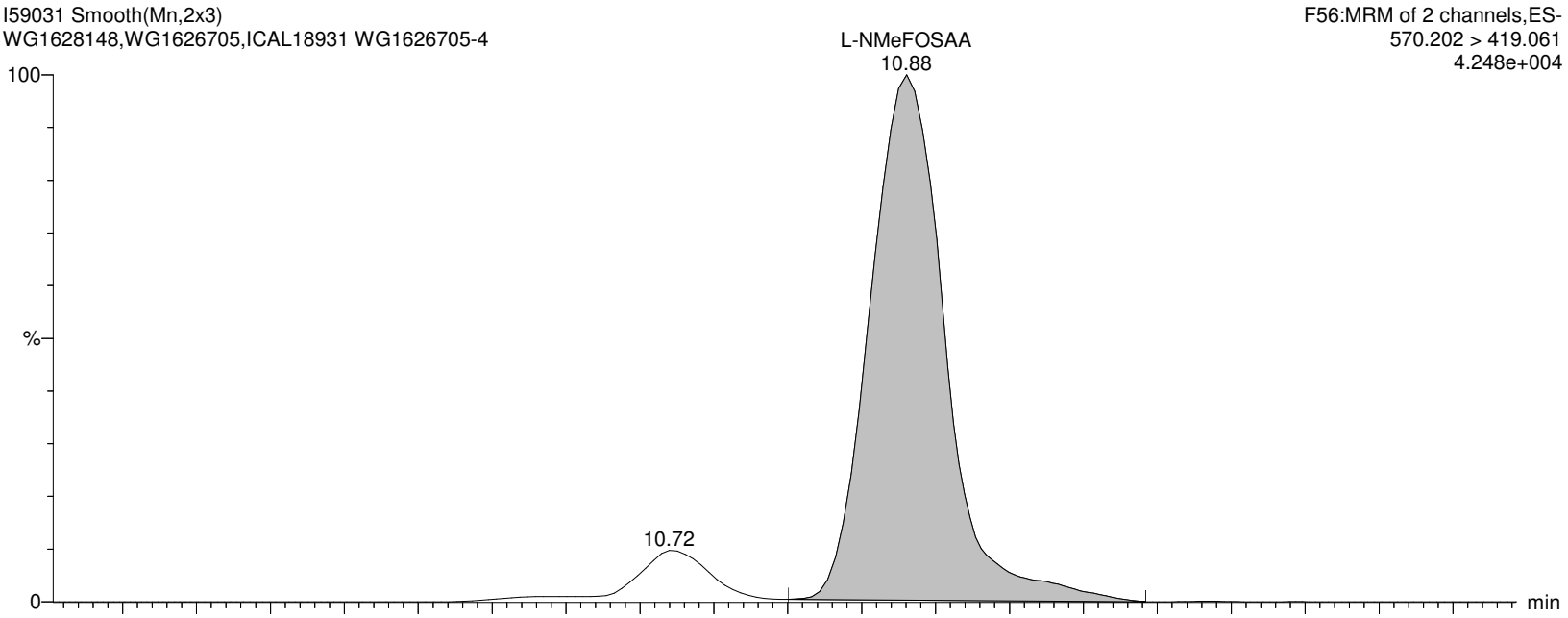


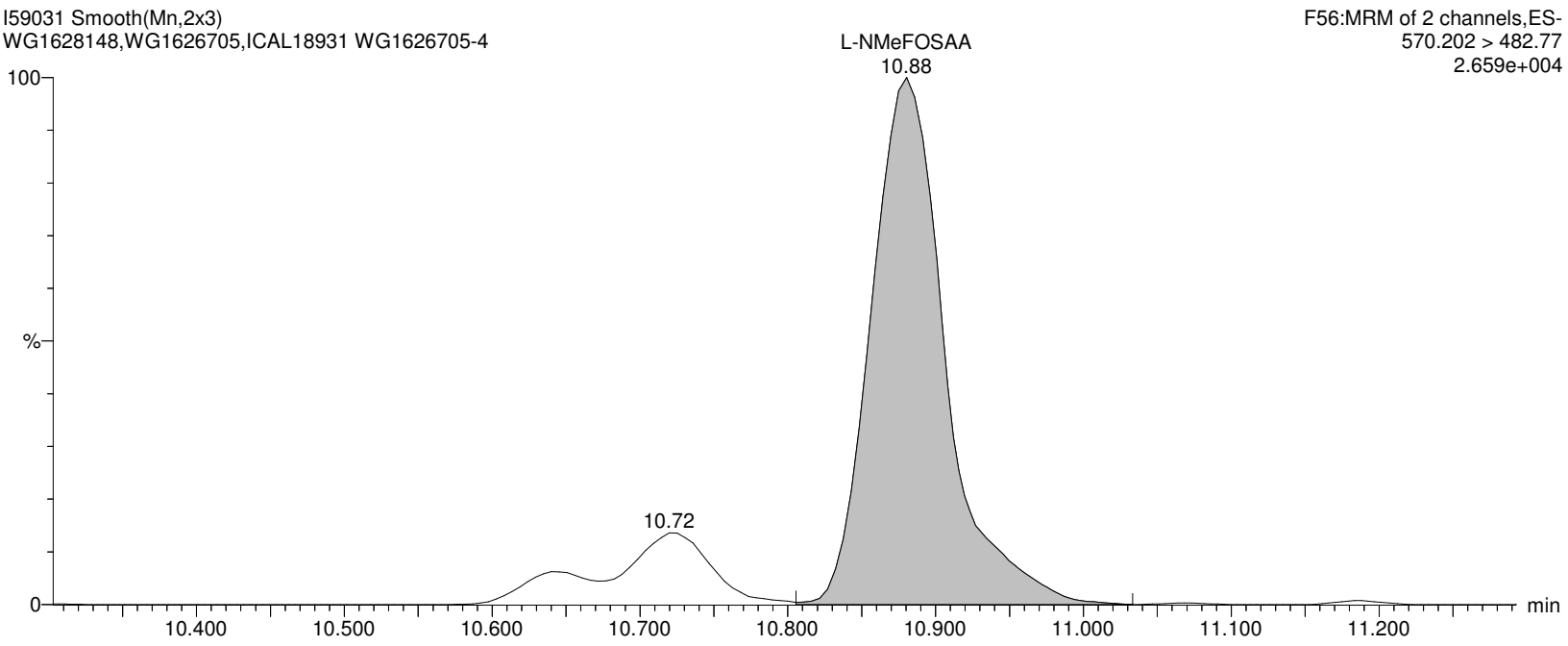
all concentration units in (ng/mL)

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L-NMeFOSAA



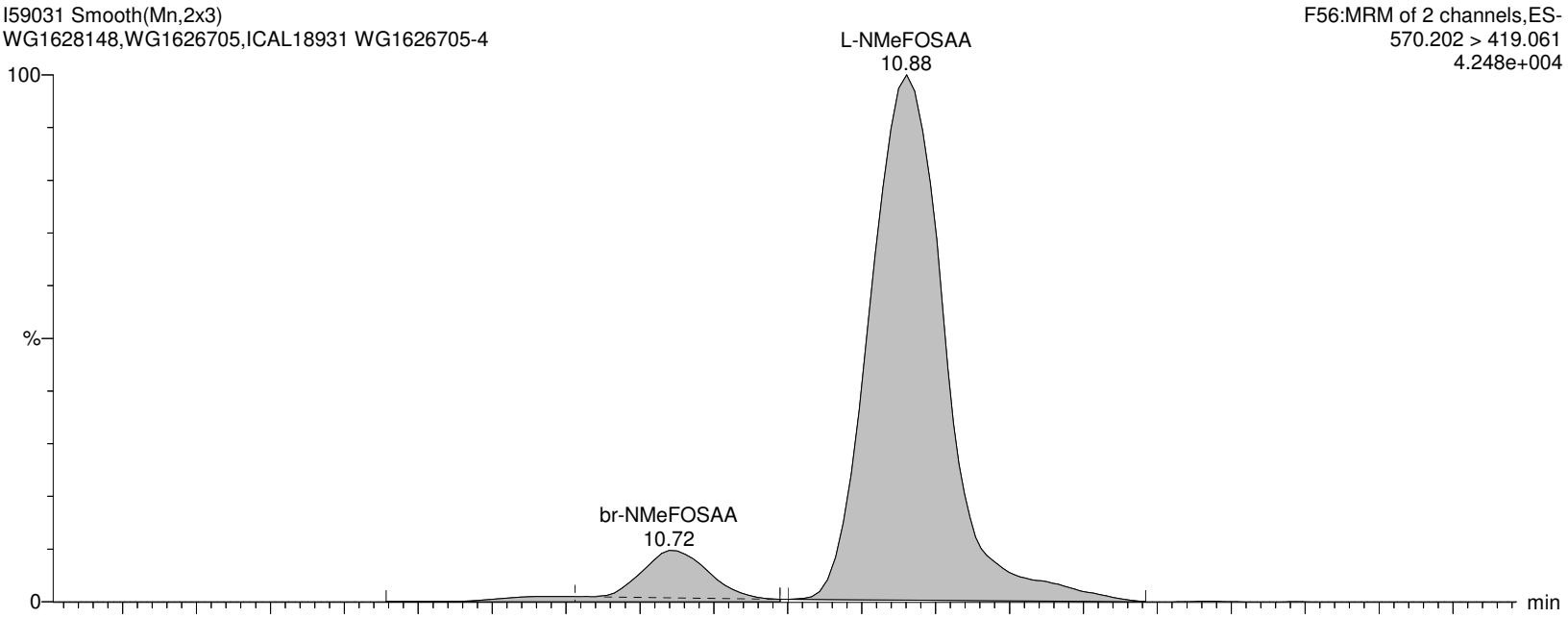


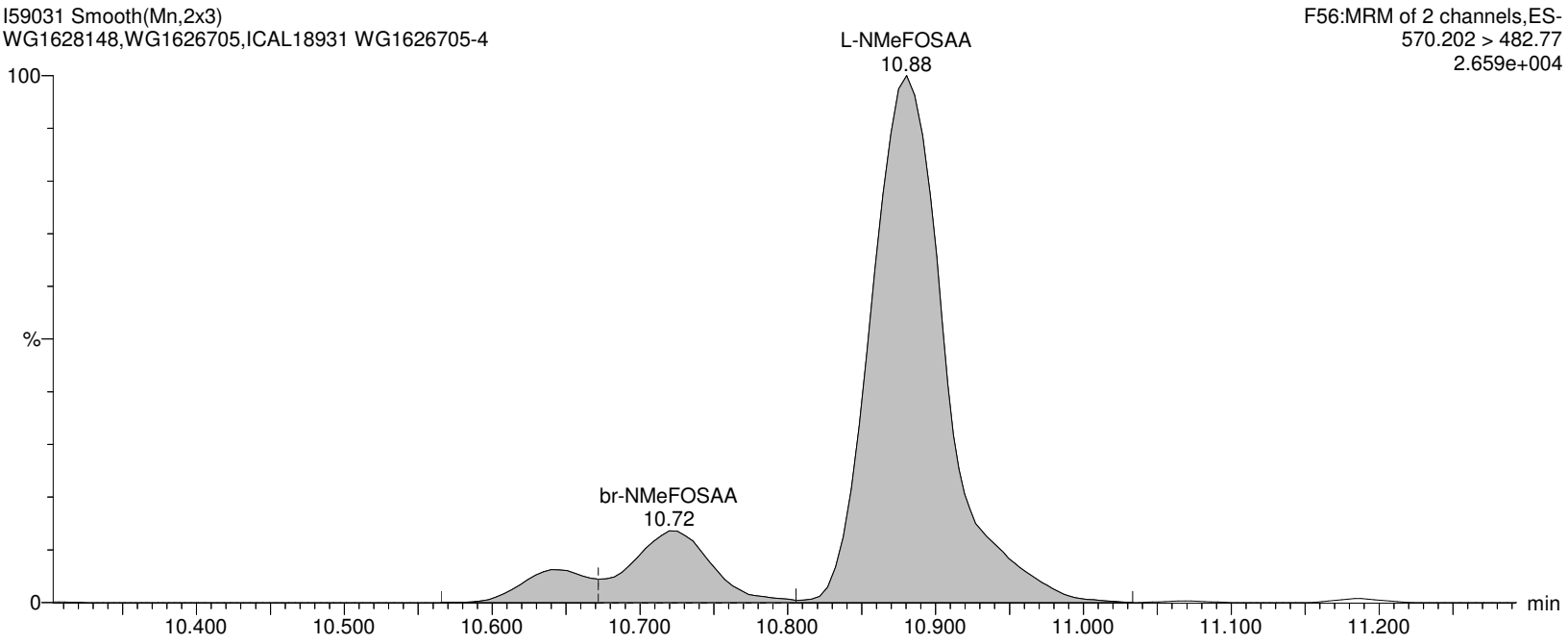
all concentration units in (ng/mL)

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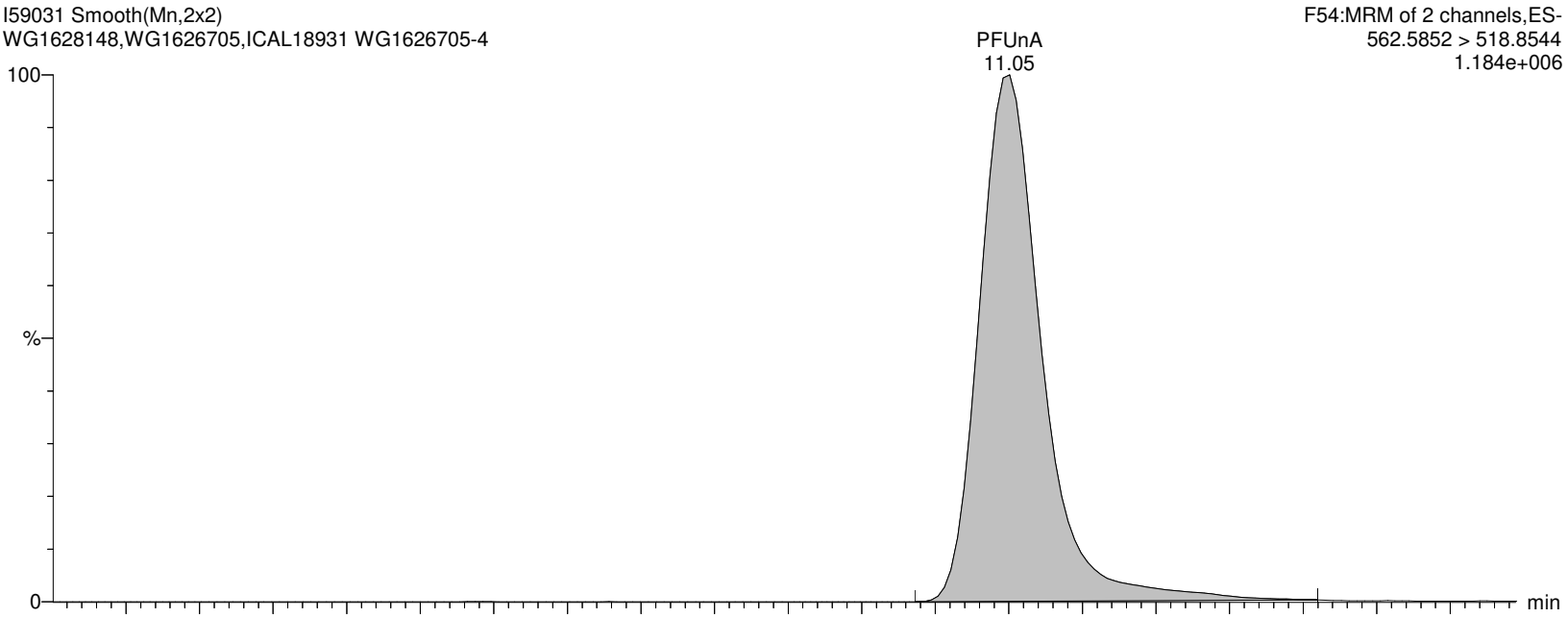


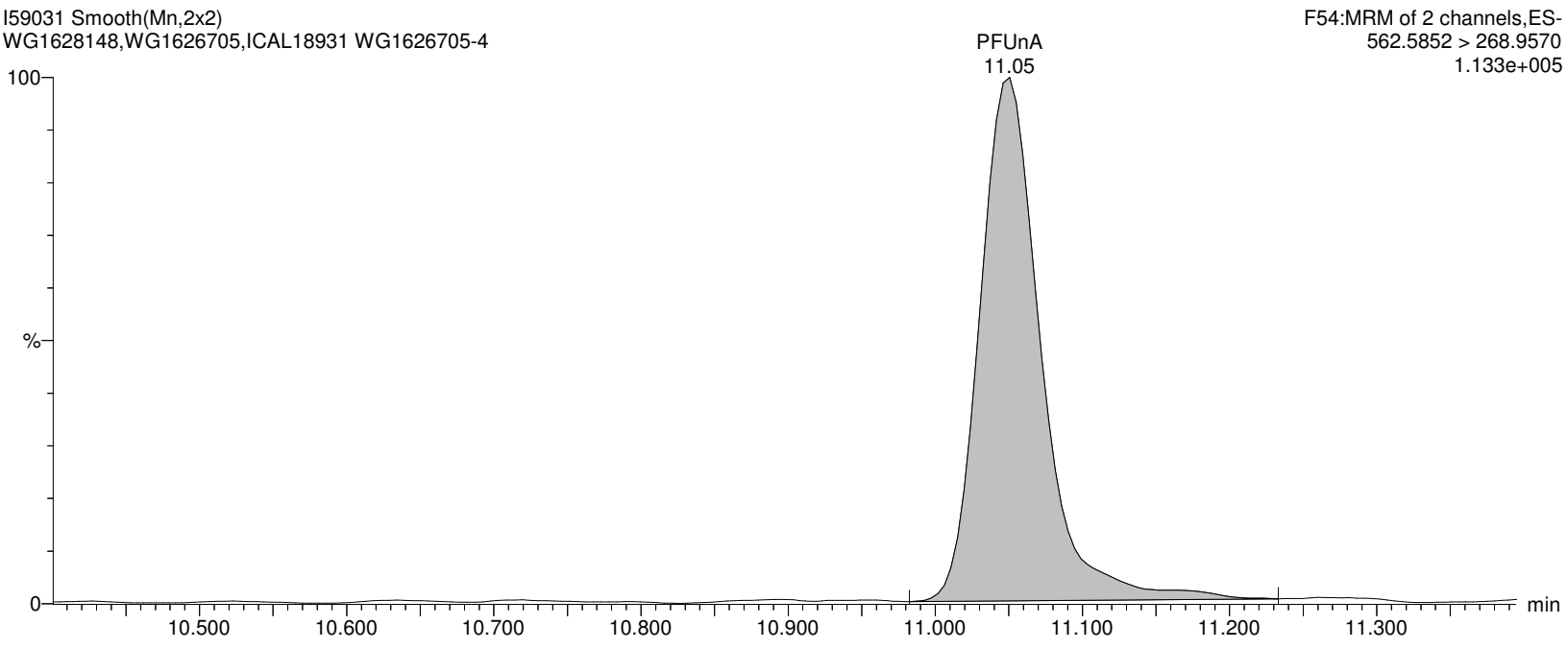
all concentration units in (ng/mL)

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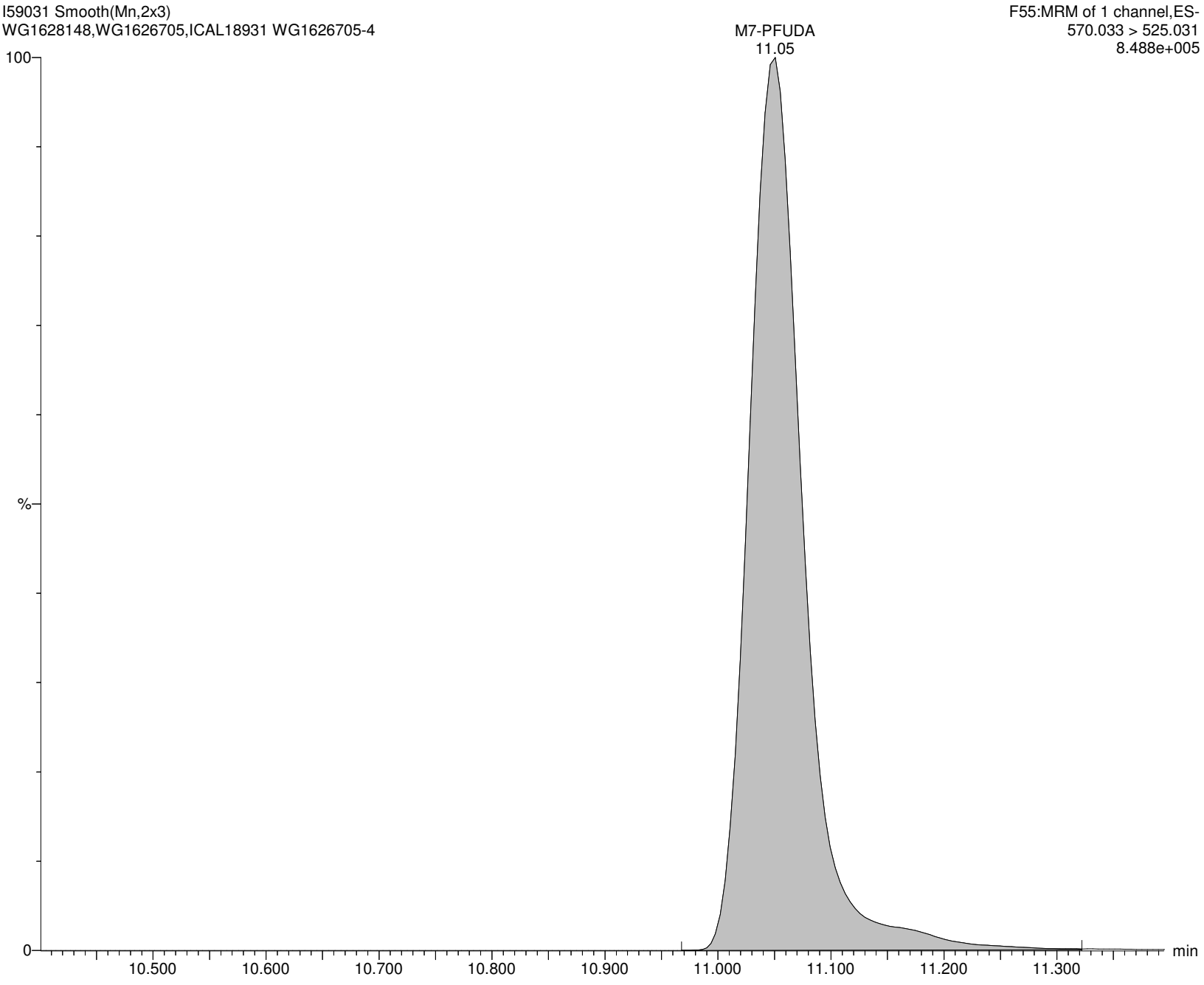


all concentration units in (ng/mL)

Alpha Analytical Inc.
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M7-PFUDA

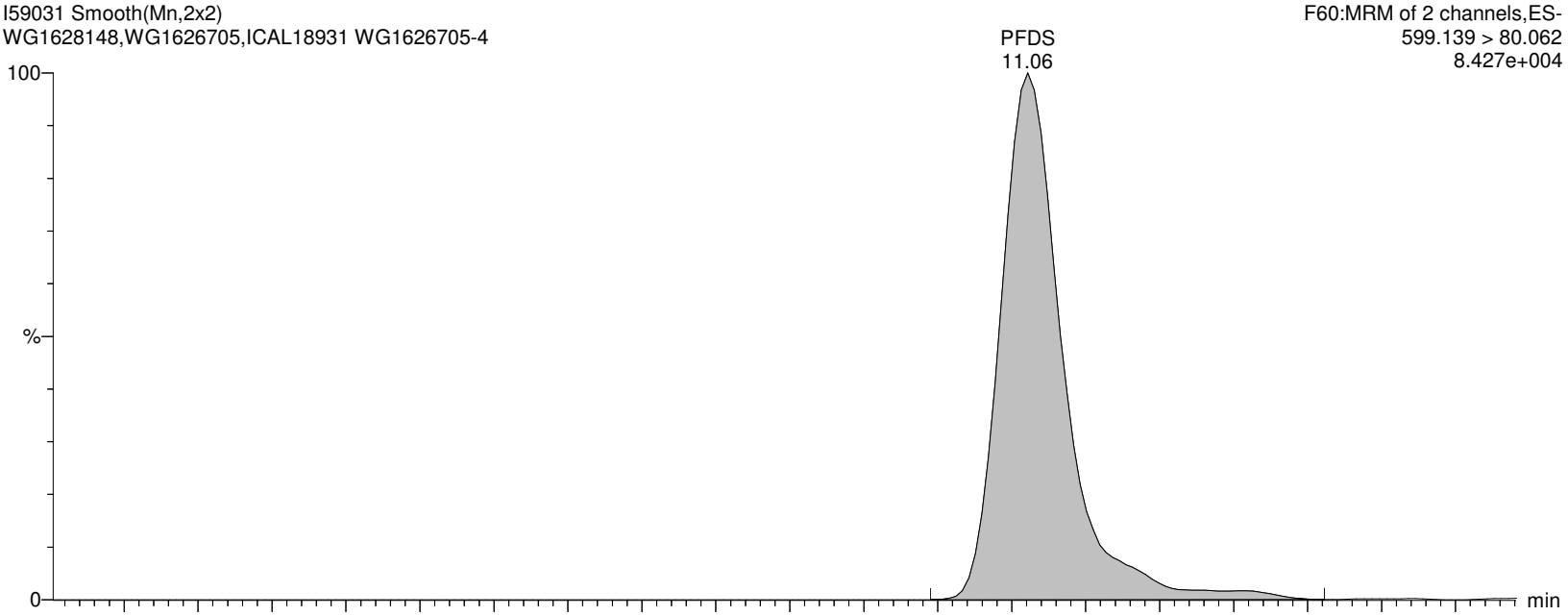


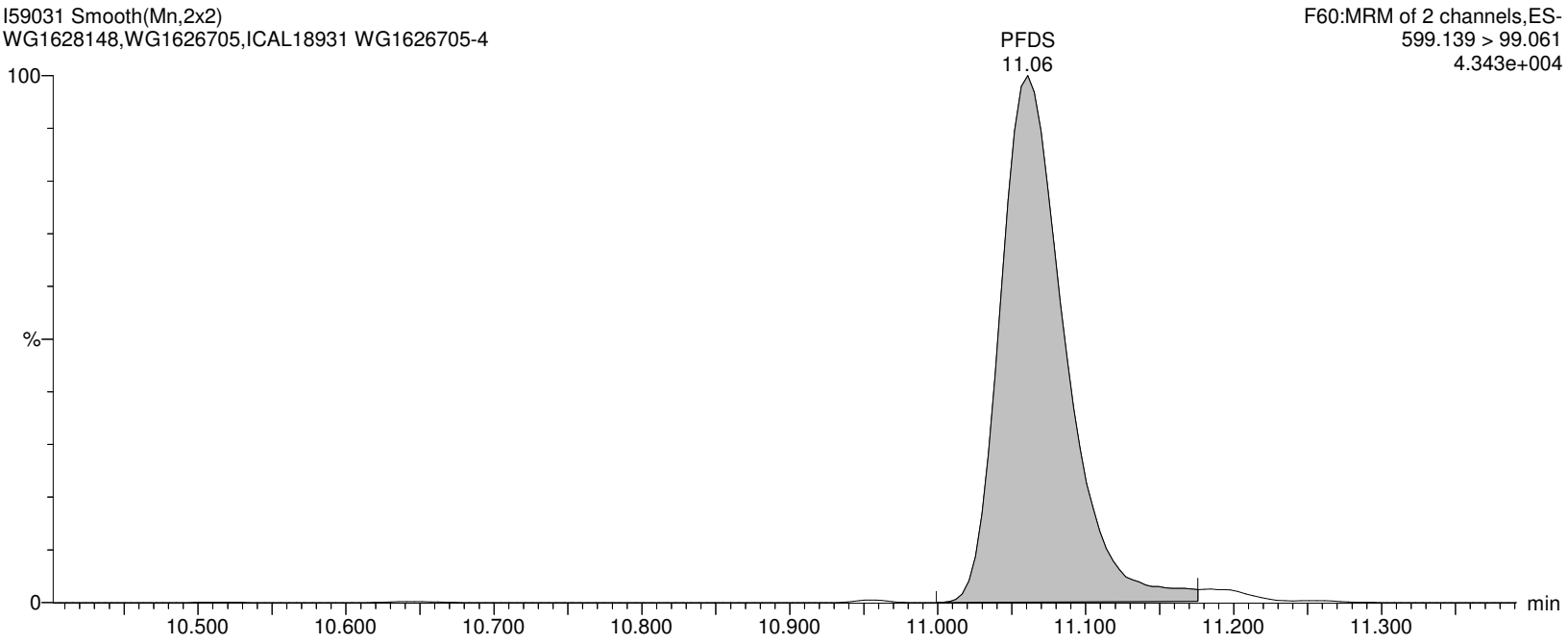
all concentration units in (ng/mL)

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PFDS



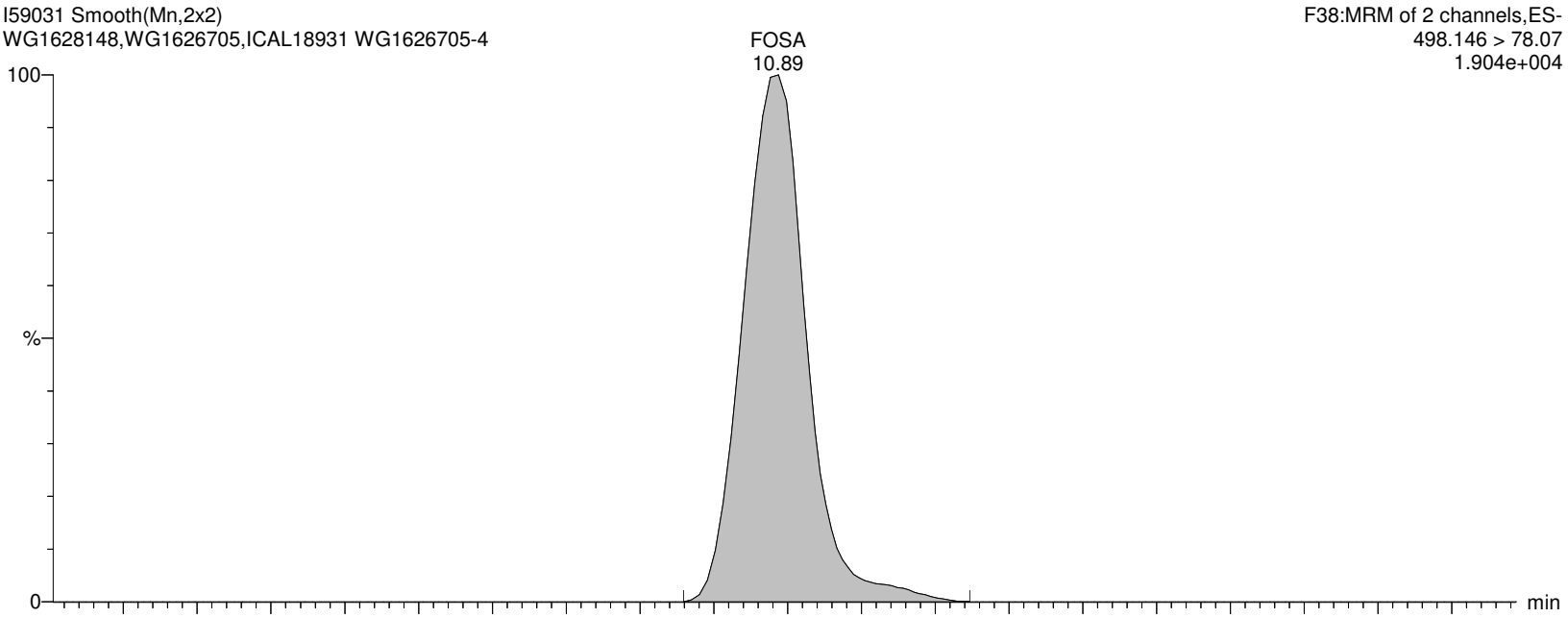


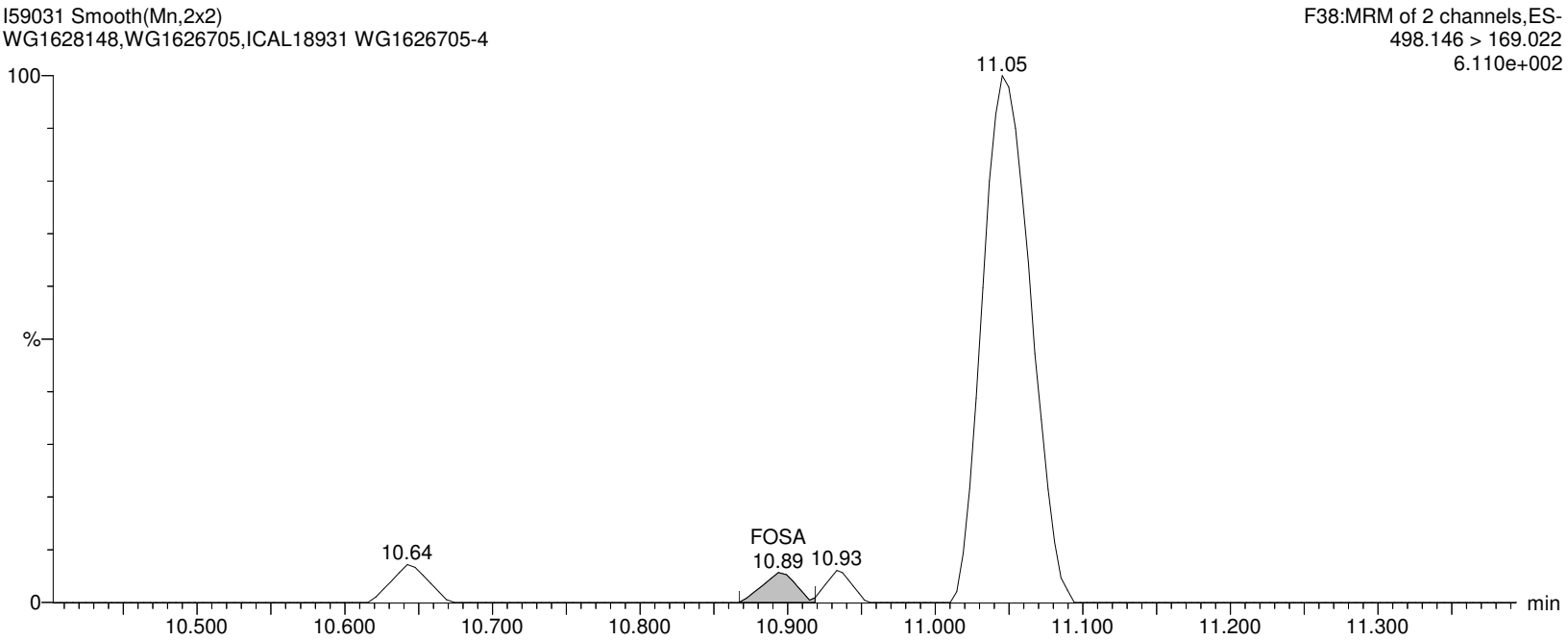
all concentration units in (ng/mL)

Alpha Analytical Inc.
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FOSA



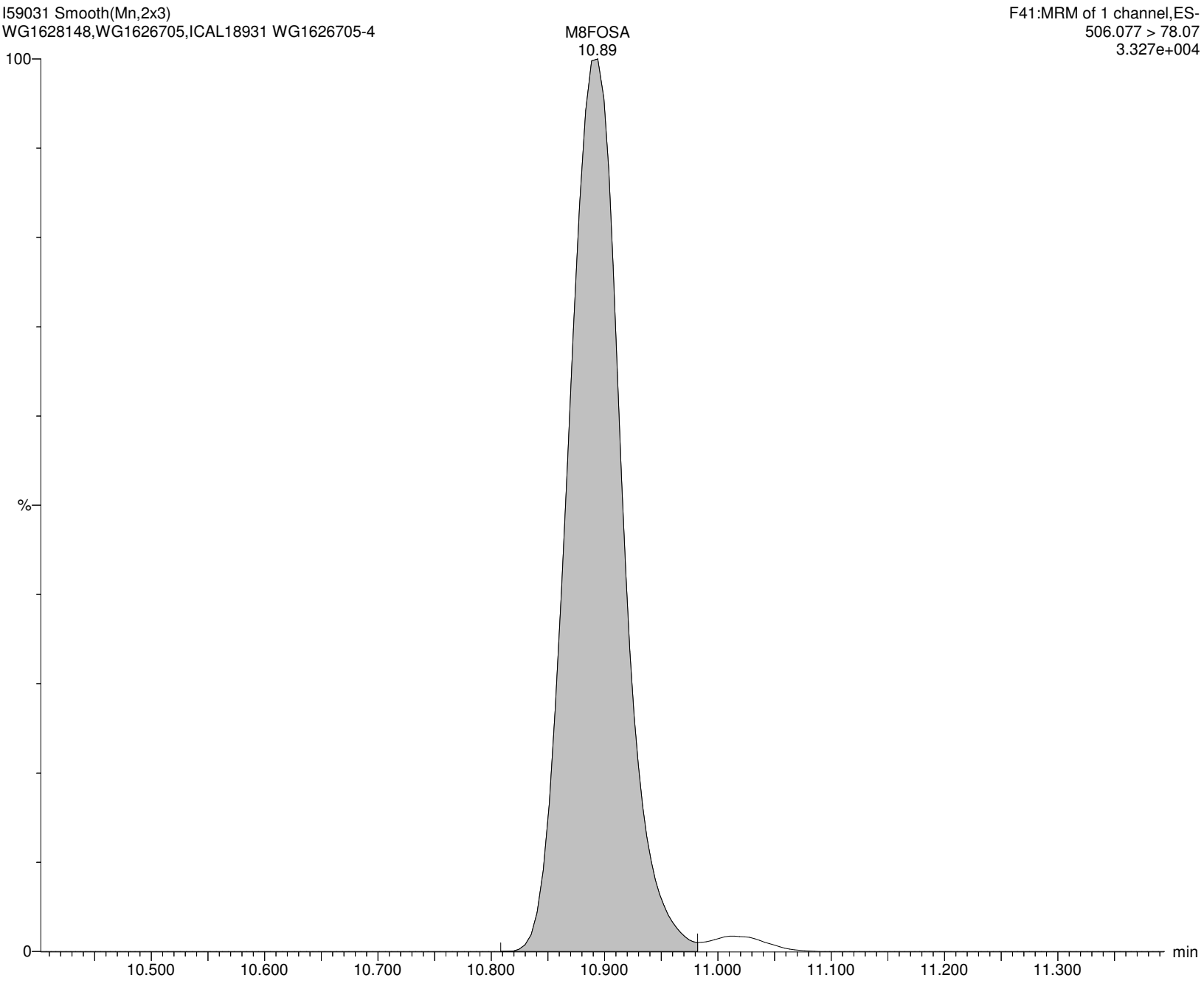


all concentration units in (ng/mL)

Alpha Analytical Inc.
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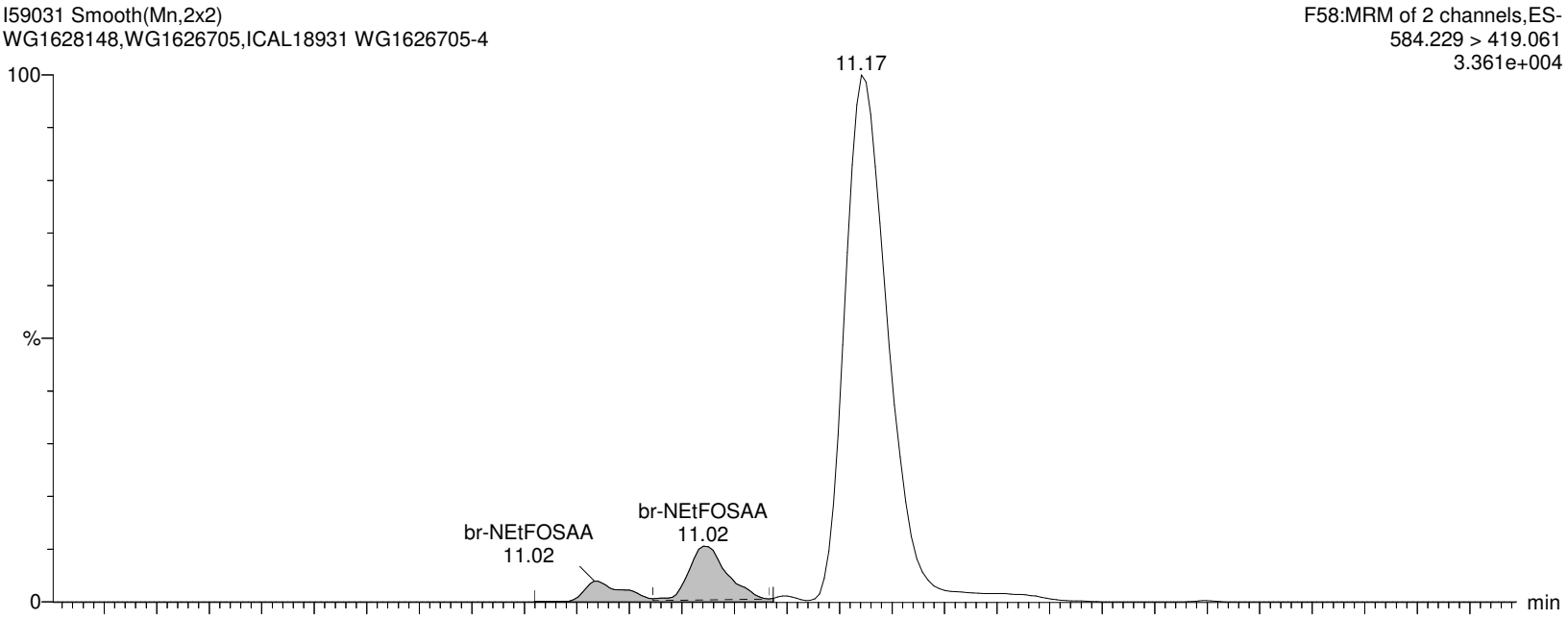


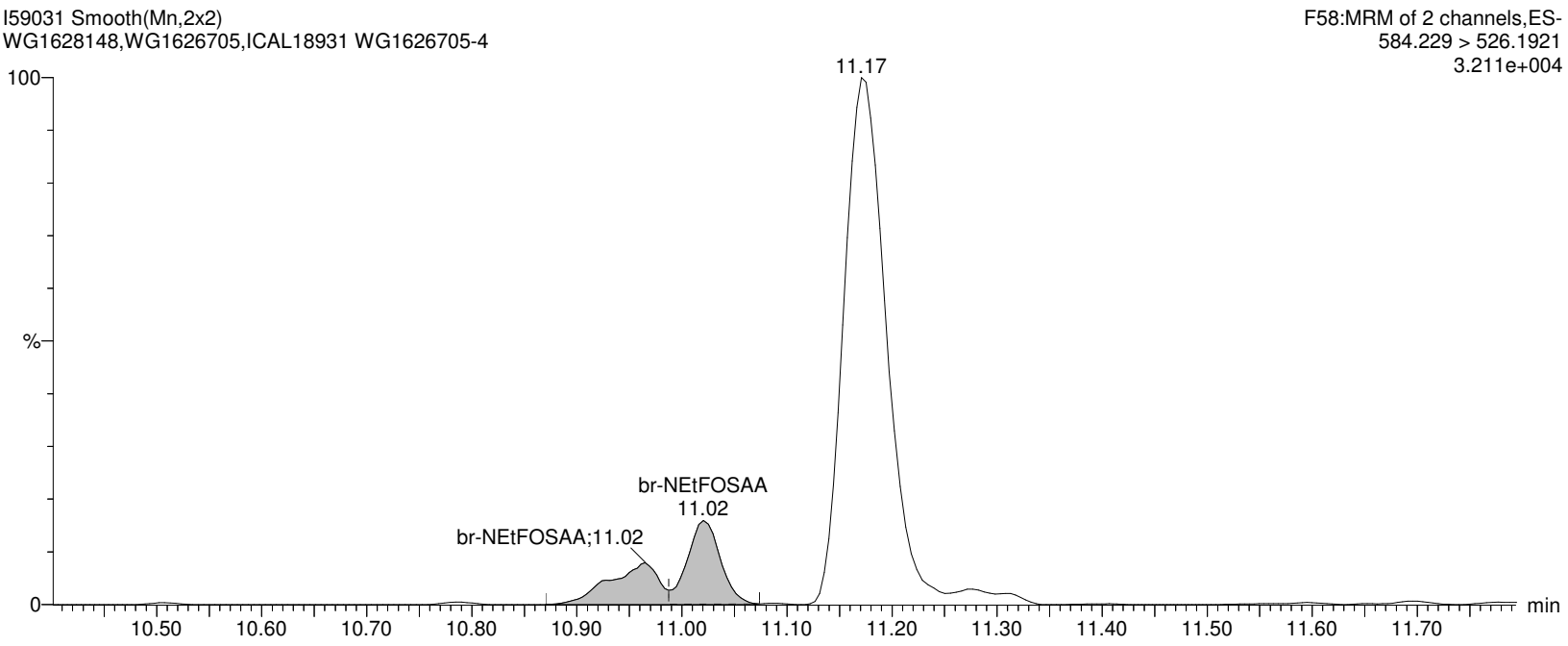
all concentration units in (ng/mL)

Alpha Analytical Inc.
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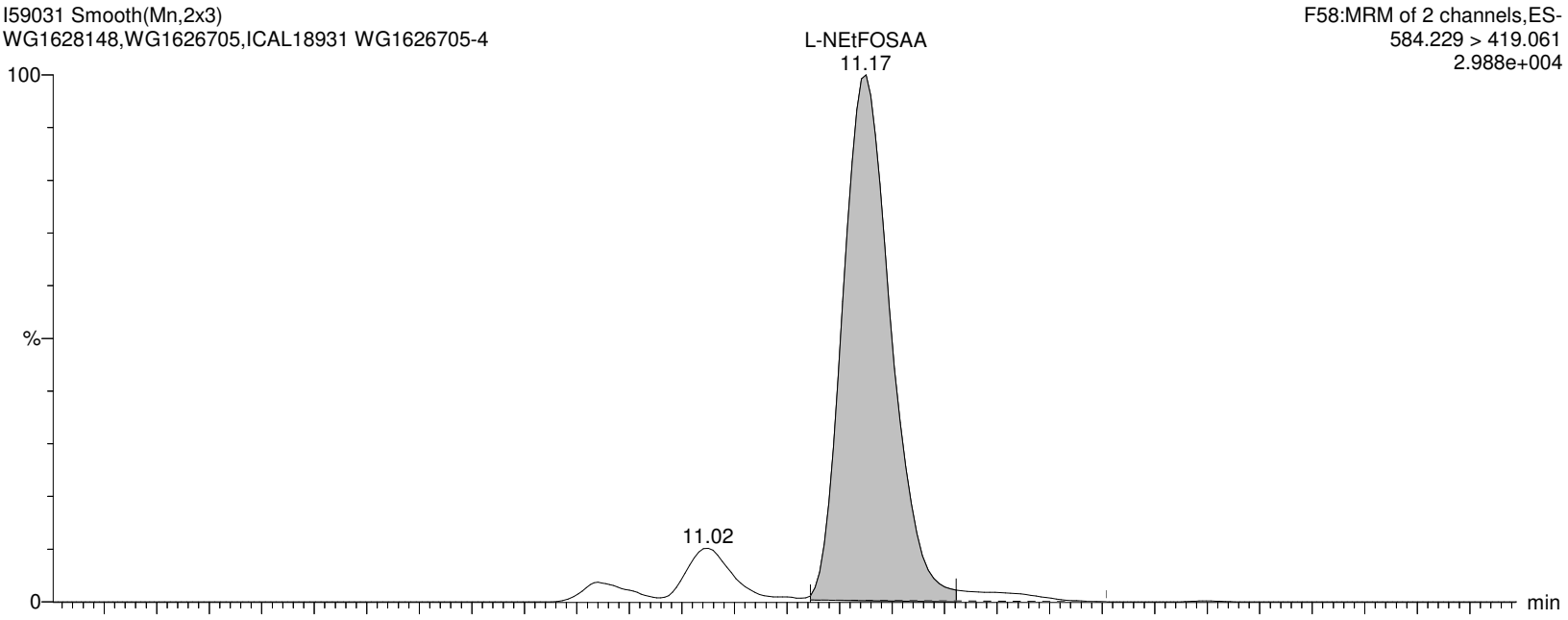


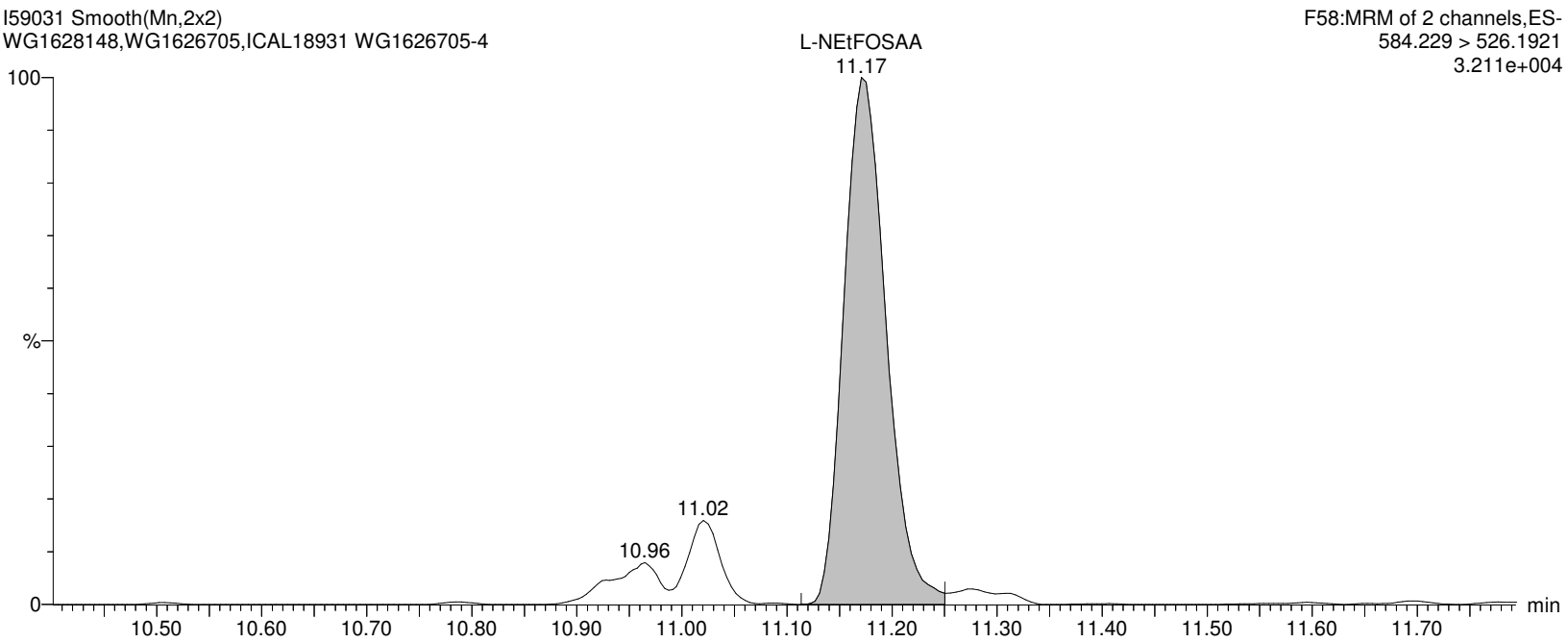
all concentration units in (ng/mL)

Alpha Analytical Inc.
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L-NEtFOSAA



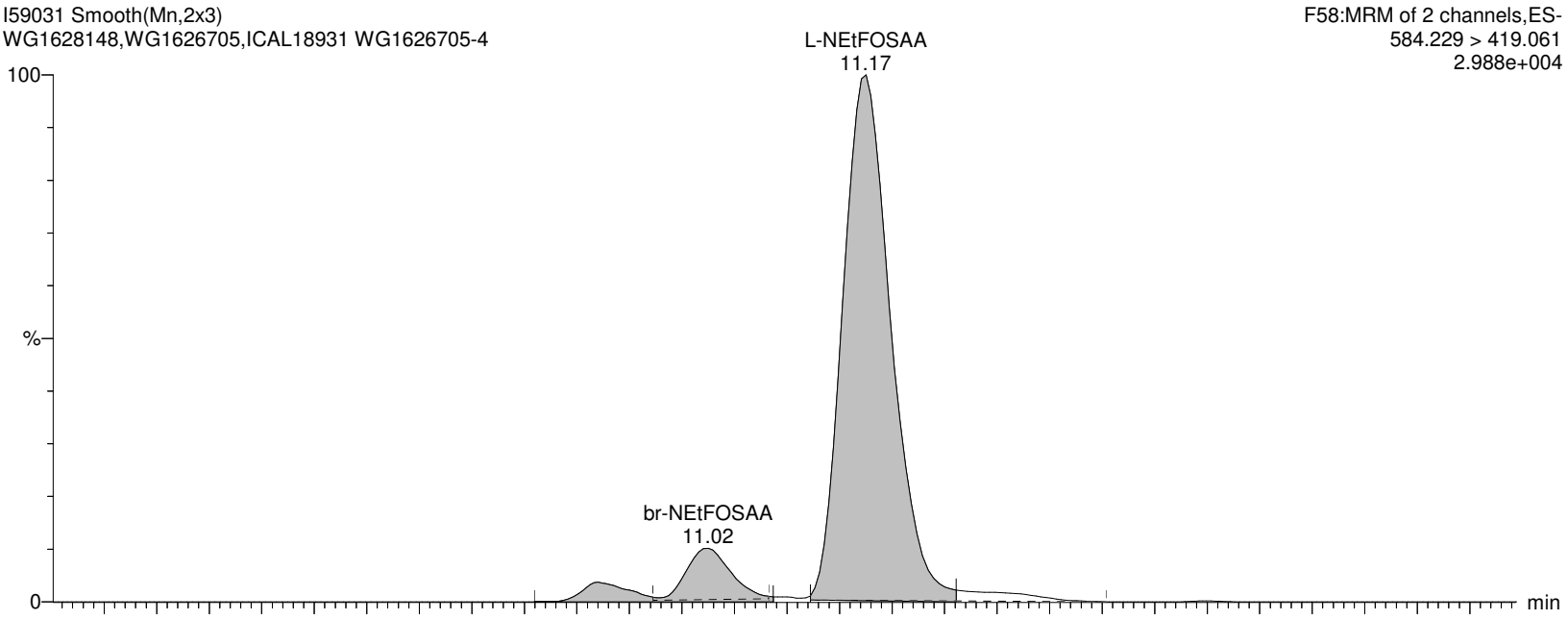


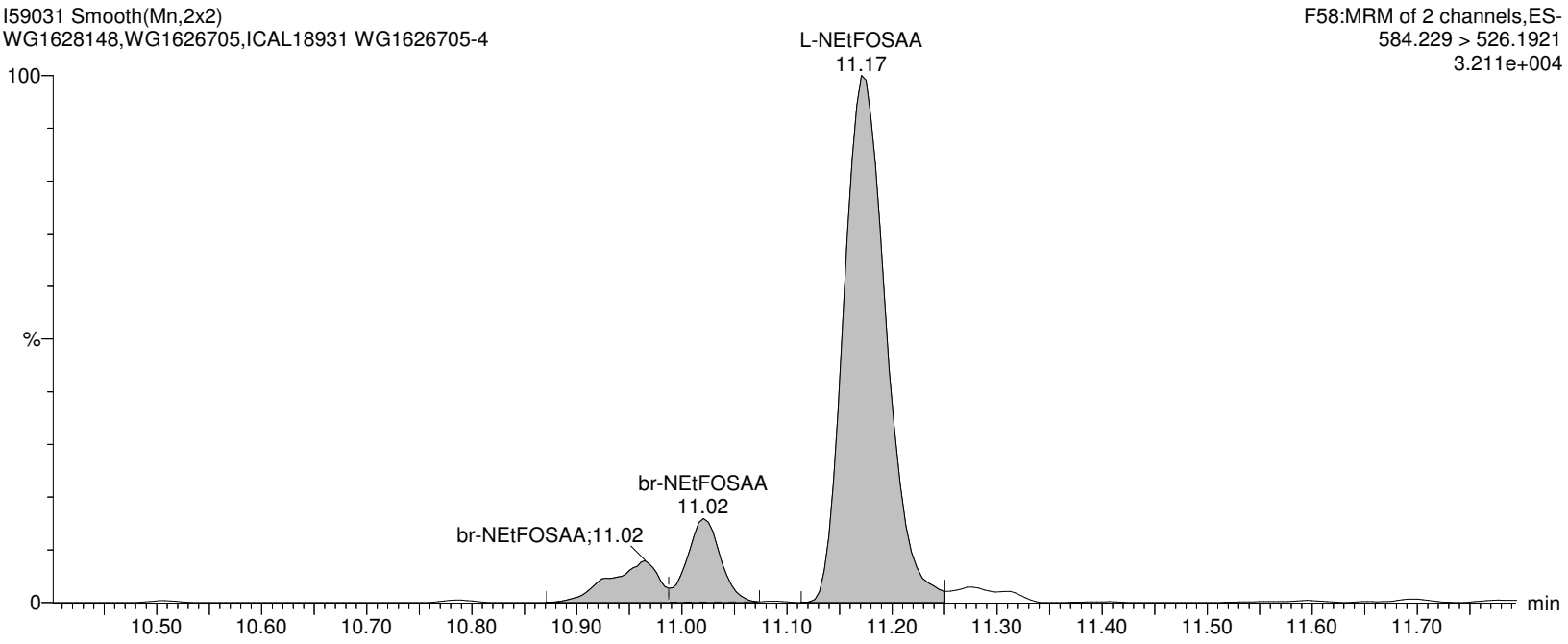
all concentration units in (ng/mL)

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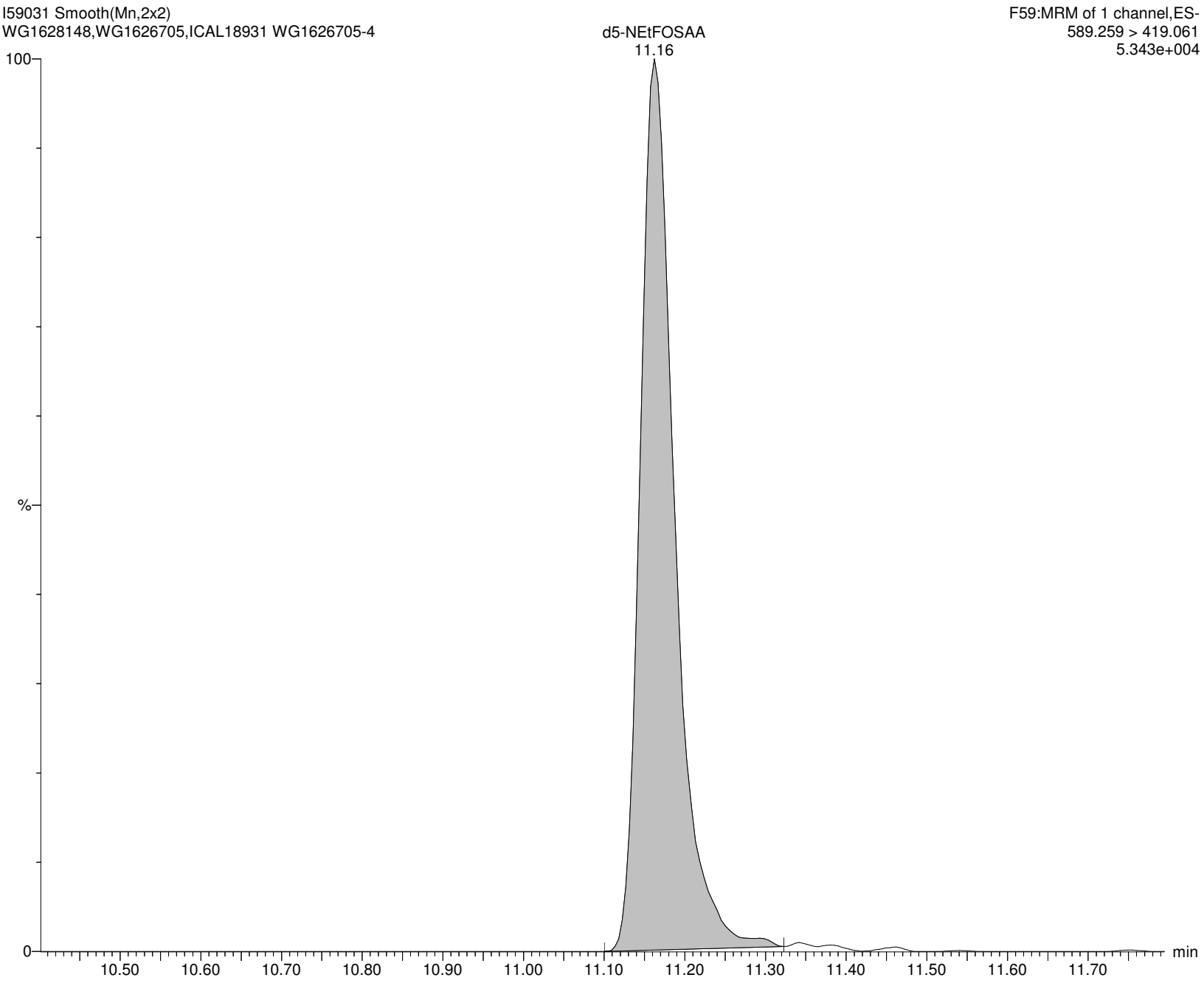


all concentration units in (ng/mL)

Alpha Analytical Inc.
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d5-NEtFOSAA

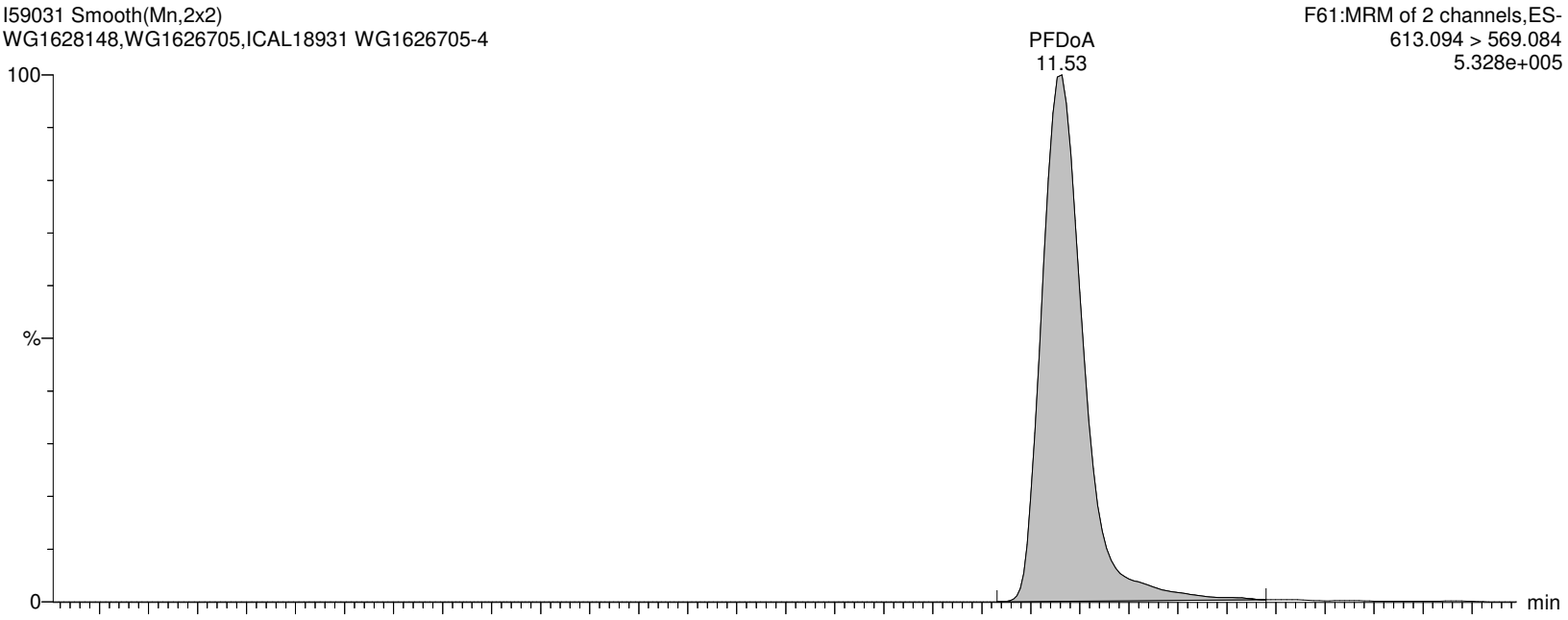


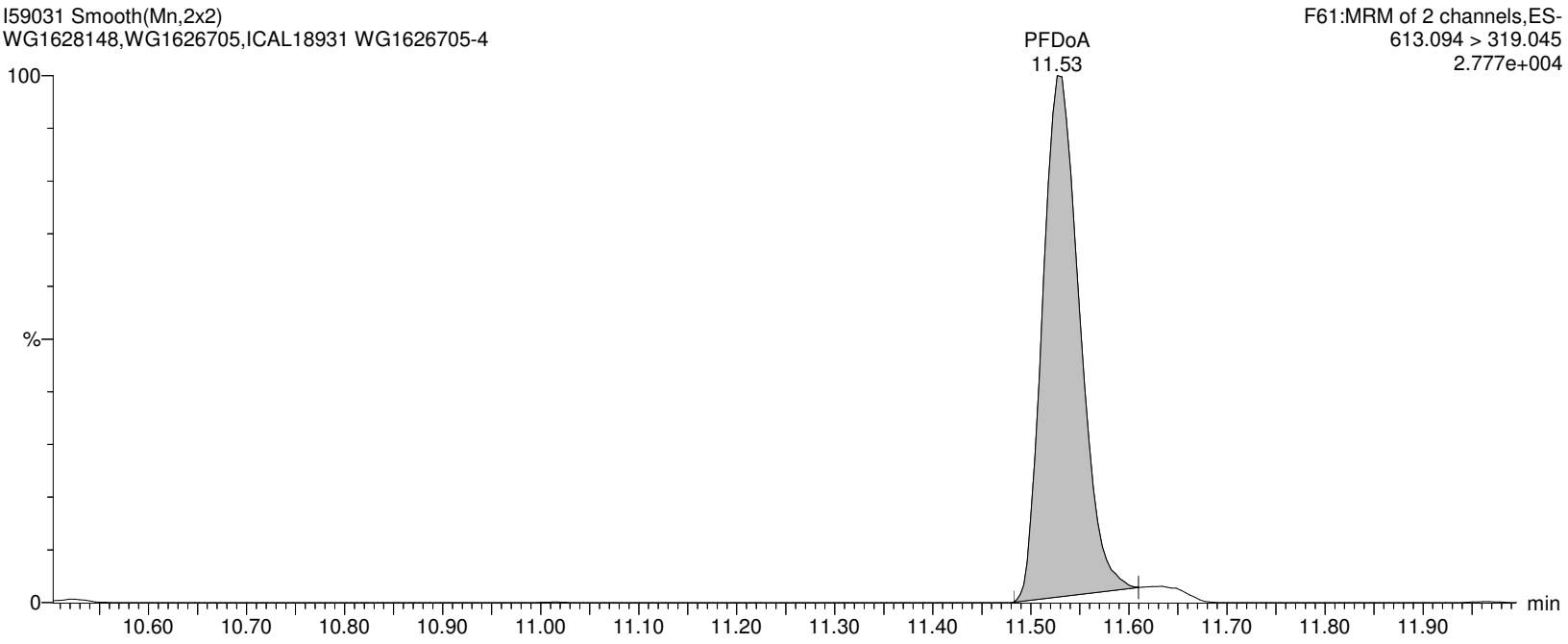
all concentration units in (ng/mL)

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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFDoA



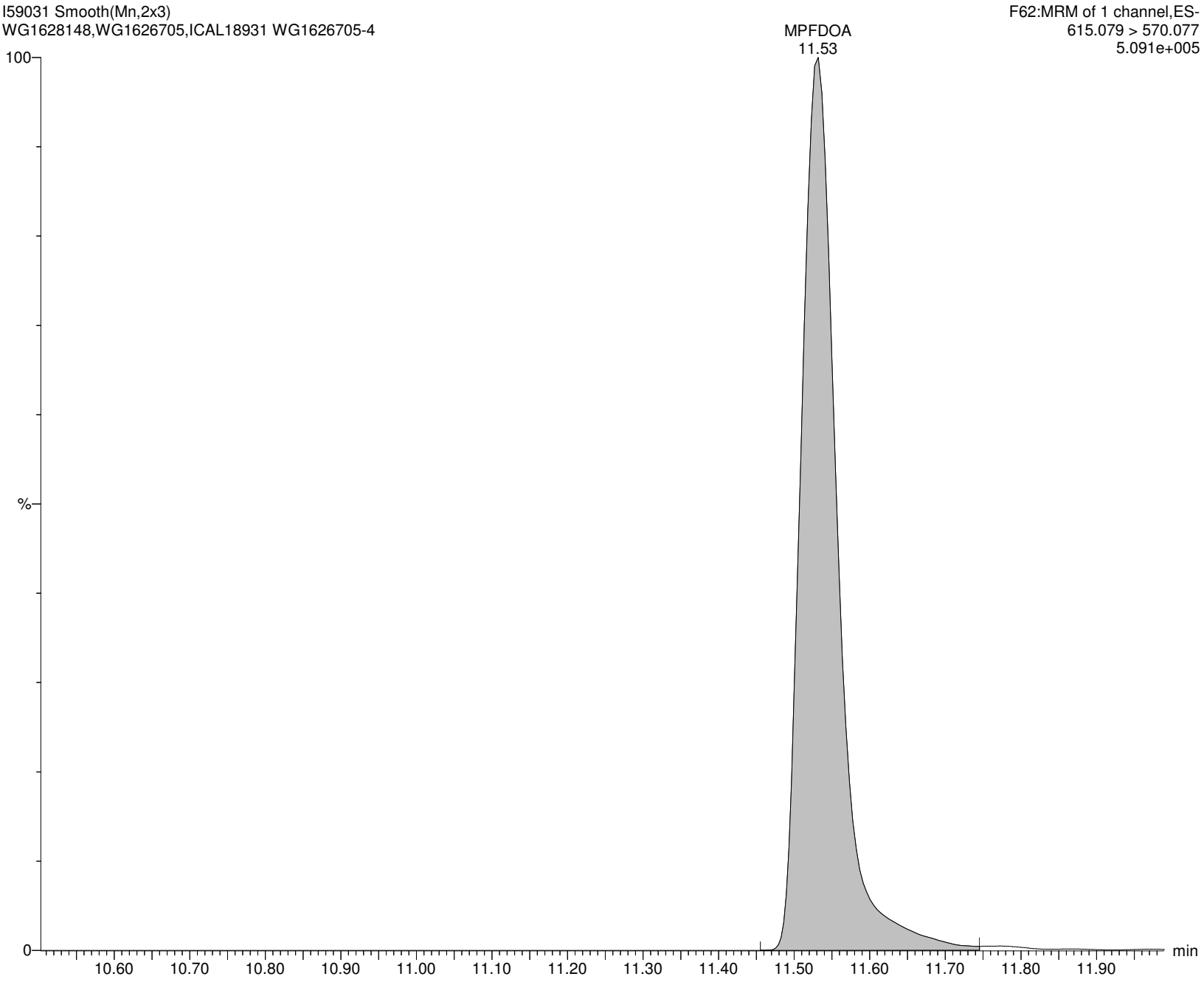


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
Printed: Tuesday, April 19, 2022 19:03:15 Eastern Daylight Time

Name: I59031
ID: WG1626705-4
Date: 18-Apr-2022
Time: 01:51:03
Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

MPFDOA

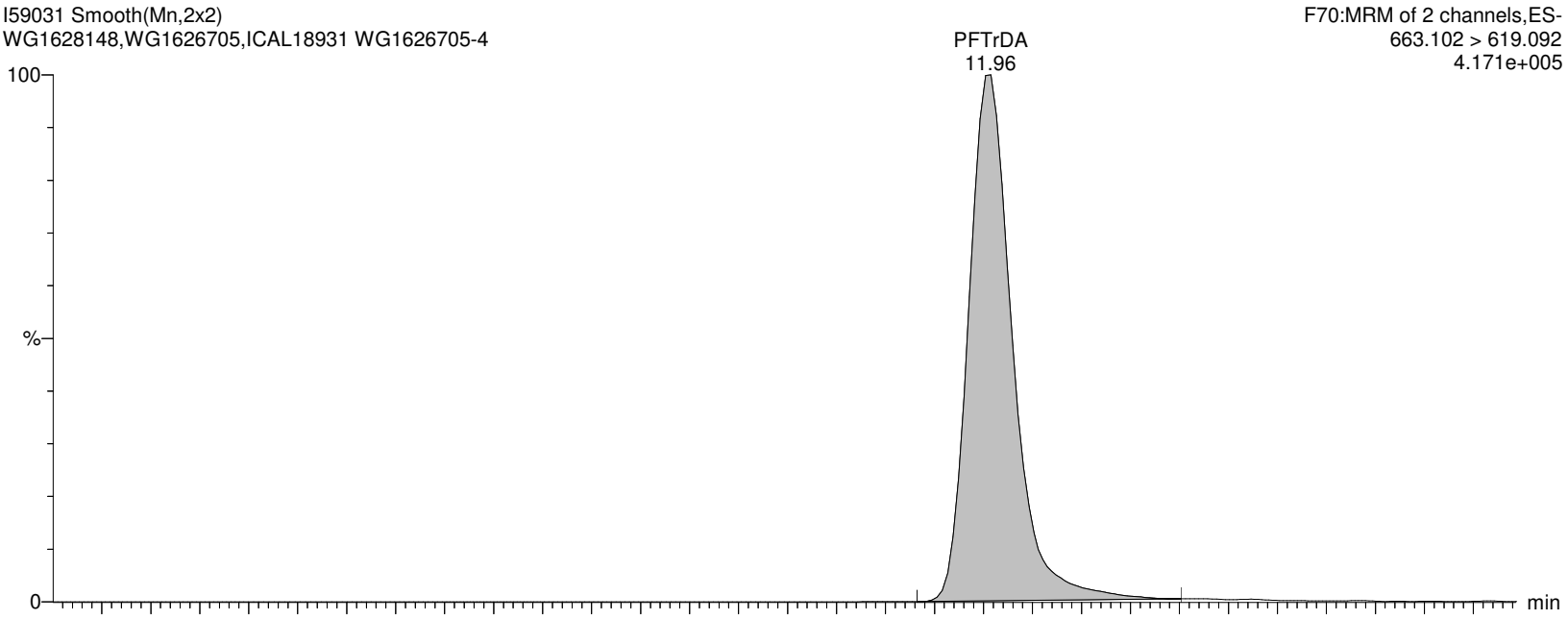


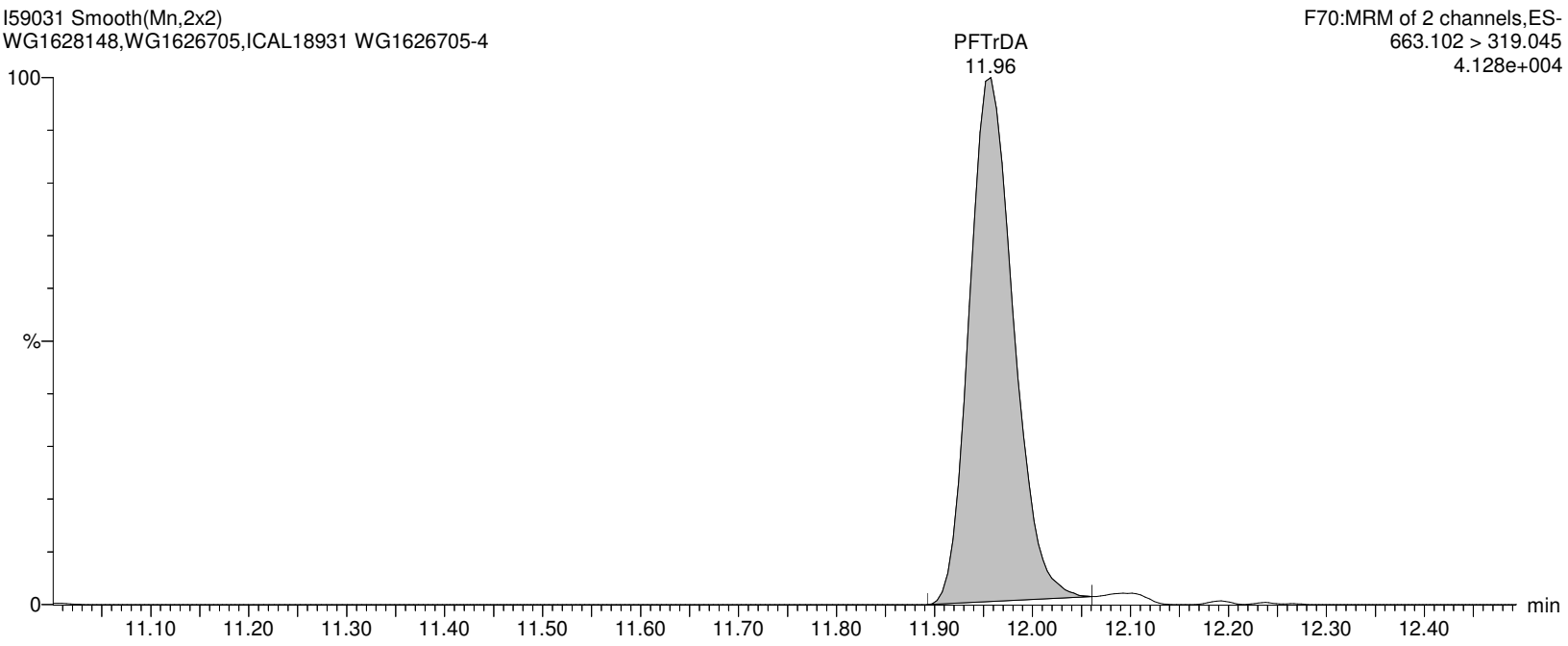
all concentration units in (ng/mL)

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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFTrDA



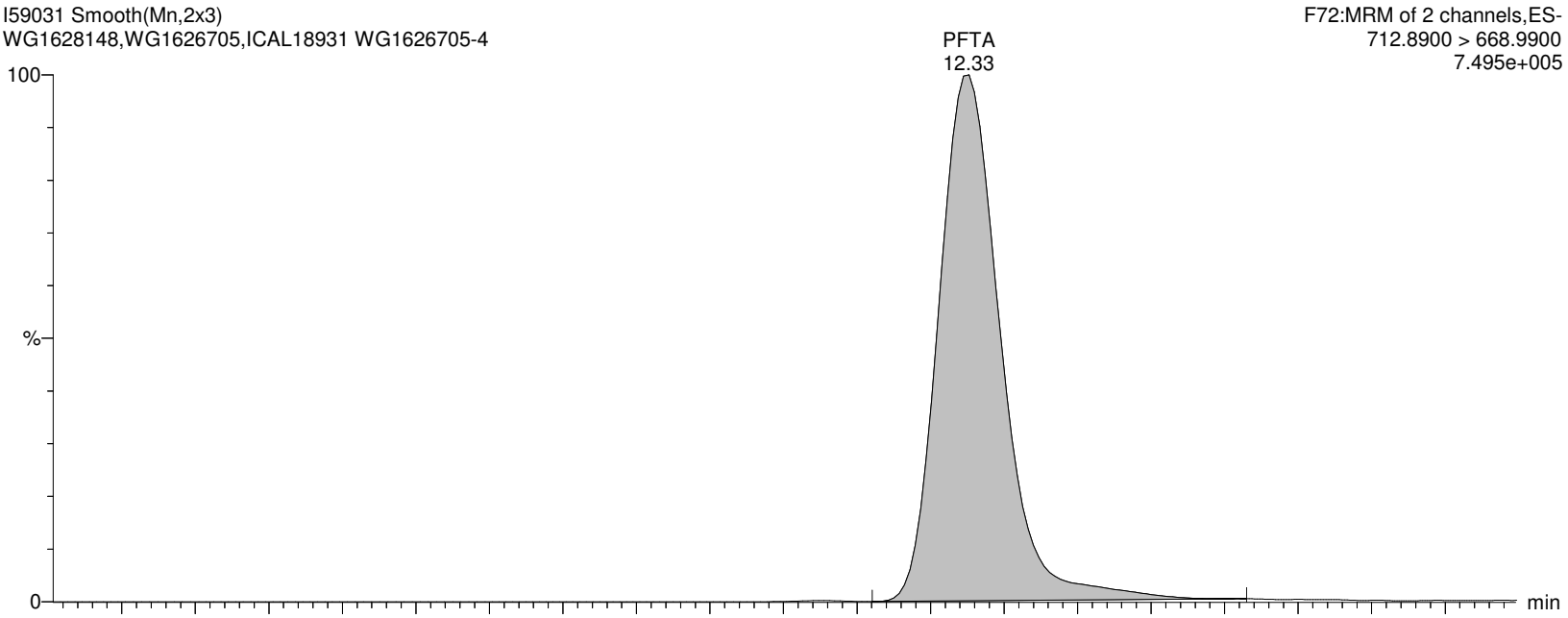


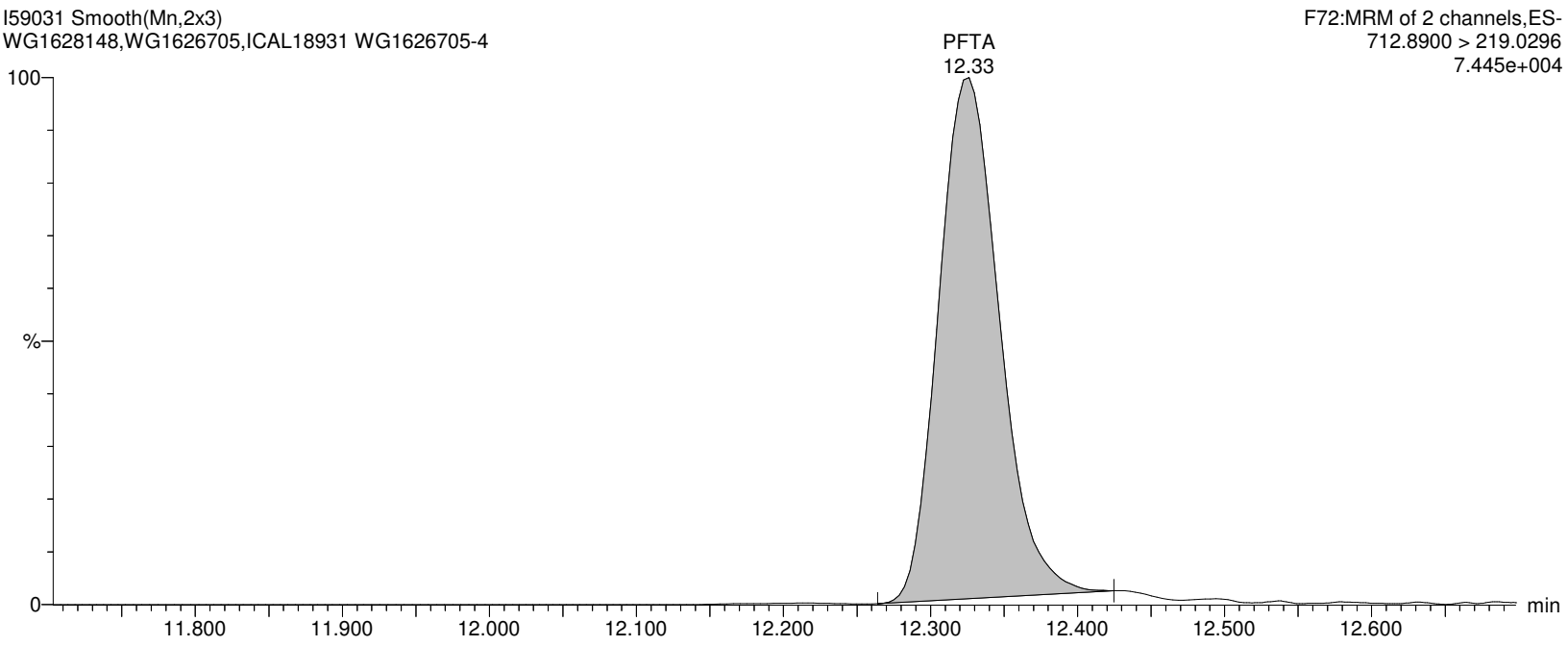
all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2022\220417_537ISO.PRO\Data\WG1628148-B.qld
Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

PFTA



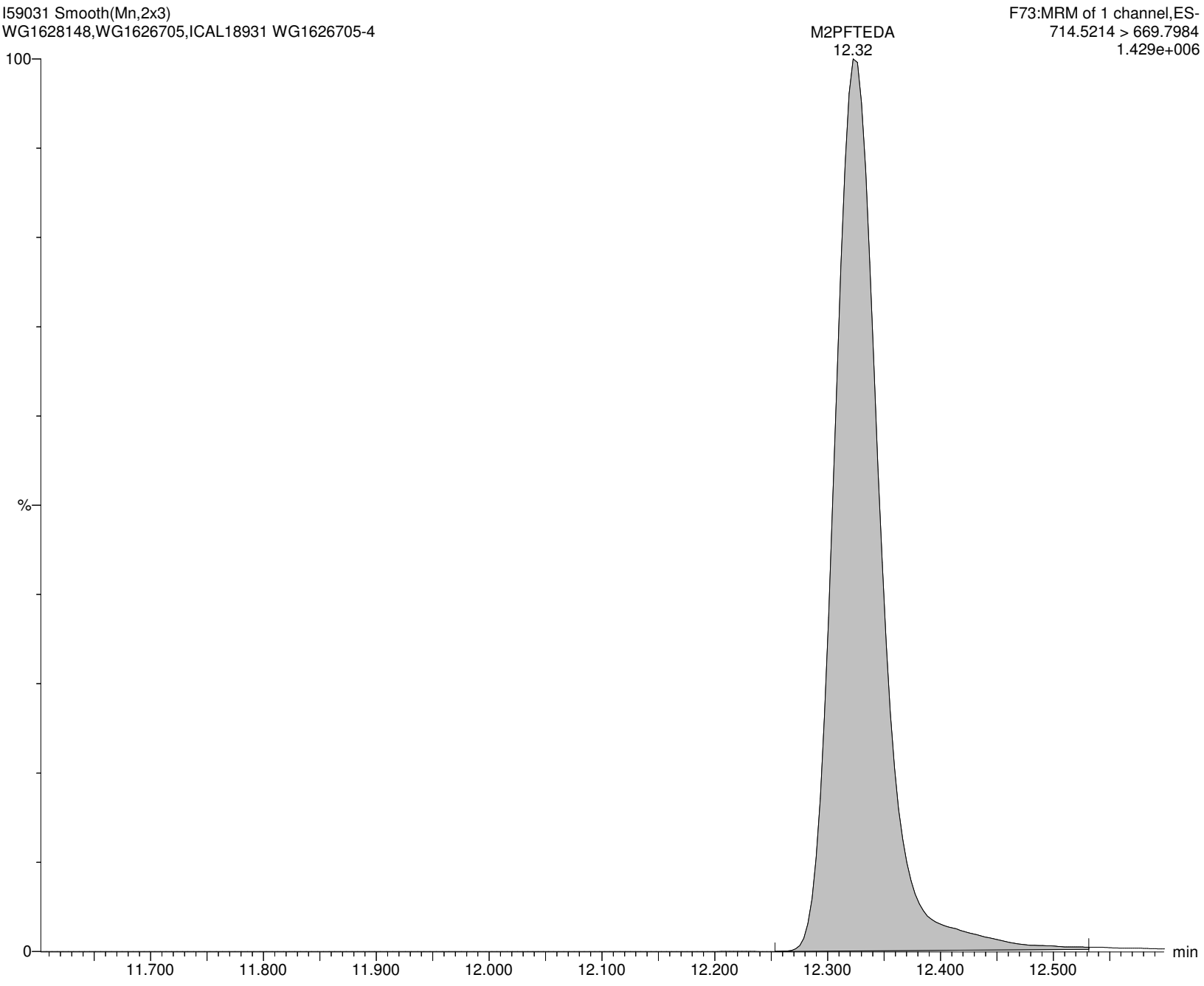


all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Monday, April 18, 2022 11:49:35 Eastern Daylight Time
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Date: 18-Apr-2022
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Description: WG1628148,WG1626705,ICAL18931
User: LCMS02:SG
Vial: 1:D,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\210601_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2022\220417_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_220316.EXP

M2PFTEDA



all concentration units in (ng/mL)

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)

Apr 26 2022, 07:23 am

Work Group: WG1628148 for Department: 32 GC/MS - Semivolatiles

Created: 17-APR-22 Due: Operator: SG

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2217266-01	PMW-1R	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0418	0425	S0	Plastic-A.25
L2217910-01	SH-1W	S	A2-537-ISOTOPE	WATER	DONE	U	0420	0427	S0	Plastic-A.25
L2217910-02	SB-205	S	A2-537-ISOTOPE	WATER	DONE	U	0420	0427	S0	Plastic-A.25
L2217910-03	SB-207	S	A2-537-ISOTOPE	WATER	DONE	U	0420	0427	S0	Plastic-A.25
L2217910-05	FIELD BLANK	S	A2-537-ISOTOPE	WATER	DONE	U	0420	0427	S0	Plastic-A.25
L2217910-06	TRIP BLANK	S	A2-537-ISOTOPE	WATER	DONE	U	0420	0427	S0	Plastic-A.25
L2218314-01	220406025-08	S	A2-537-ISOTOPE-36	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218314-02	220406025-09-FB	S	A2-537-ISOTOPE-36	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218318-01	220406025-06	S	A2-537-ISOTOPE-36	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218318-02	220406025-07-FB	S	A2-537-ISOTOPE-36	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218379-02	FF-BACK	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U	0420	0429	S0	Plastic-A-Soil
L2218379-03	FF-HOUSE	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U	0420	0429	S0	Plastic-A-Soil
L2218379-05	FF-MUSHROOM	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U	0420	0429	S0	Plastic-A-Soil
L2218379-07	FF-BARN	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U	0420	0429	S0	Plastic-A-Soil
L2218384-01	SAMPLNG 4/6/22- FIELD BLANK	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218384-02	SAMPLNG 4/6/22- EQUIP BLANK	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218392-01	HF-A	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U	0421	0429	S0	Plastic-A-Soil
L2218526-01	MW-06	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218526-02	MW-07	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218526-03	EB-01	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218526-04	MW-05	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218526-05	FD-02	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
L2218526-06	MW-04	S	A2-NY-537-ISOTOPE	WATER	DONE	U	0420	0429	S0	Plastic-A.25
WG1626705-1	Laboratory Method Bl	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-1	Laboratory Method Bl	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1626705-1	Laboratory Method Bl	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-1	Laboratory Method Bl	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U				
WG1626705-2	Laboratory Control S	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U				
WG1626705-2	Laboratory Control S	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-2	Laboratory Control S	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1626705-2	Laboratory Control S	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-3	Matrix Spike	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-3	Matrix Spike	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U				
WG1626705-3	Matrix Spike	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-3	Matrix Spike	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1626705-4	Matrix Spike Duplica	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-4	Matrix Spike Duplica	S	A2-ME-537ISOTOPE-28+	WATER	DONE	U				
WG1626705-4	Matrix Spike Duplica	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-4	Matrix Spike Duplica	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1626705-5	Matrix Spike	S	A2-ME-537ISOTOPE-28+	WATER	DACQ	U				
WG1626705-5	Matrix Spike	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-5	Matrix Spike	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1626705-5	Matrix Spike	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-6	Matrix Spike Duplica	S	A2-537-ISOTOPE-36	WATER	DACQ	U				
WG1626705-6	Matrix Spike Duplica	S	A2-537-ISOTOPE	WATER	DACQ	U				
WG1626705-6	Matrix Spike Duplica	S	A2-ME-537ISOTOPE-28+	WATER	DACQ	U				
WG1626705-6	Matrix Spike Duplica	S	A2-NY-537-ISOTOPE	WATER	DACQ	U				
WG1627528-3	Matrix Spike	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U				
WG1627528-4	Duplicate Sample	S	A2-ME-537ISOTOPE-28+	SOIL	DONE	U				

Comments:

WG1626705-3	L2218526-06
WG1626705-4	L2218526-06
WG1626705-5	L2217266-01
WG1626705-6	L2217266-01
WG1627528-3	L2218379-01
WG1627528-4	L2218379-02

	Vial	File Name	File Text	Sample ID
1	1:A,2	I58708	WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL of 10	IA537STD-.5
2	1:A,3	I58709	WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 10	IA537STD-1.0
3	1:A,4	I58710	WG1626786,,,LC_537ISO_ICALSTOCK_031122 200 uL of 10	IA537STD-2.0
4	1:A,5	I58711	WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL of 100	IA537STD-5.0
5	1:A,6	I58712	WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL of 100	IA537STD-10
6	1:A,7	I58713	WG1626786,,,LC_537ISO_ICALSTOCK_031122 50 uL	IA537STD-25
7	1:A,8	I58714	WG1626786,,,LC_537ISO_ICALSTOCK_031122 100 uL	IA537STD-50
8	1:B,1	I58715	WG1626786,,,LC_537ISO_ICALSTOCK_031122 200 uL	IA537STD-100
9	1:B,2	I58716	WG1626786,,,LC_537ISO_ICALSTOCK_031122 250 uL	IA537STD-250
10	1:B,3	I58718	WG1626786,,,LC_537ISO_ICV_210701	CA537STD10

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	0.5
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	1.0
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	2.0
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	5.0
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	10
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	25
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	50
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	100
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	Standard	250
537ISO_M_SPAN2_DOD_TOP_220316	210601_TUNE	LCMS_537_ISO_B	3.0	QC	10

User

LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP
LCMS02:MP

Run Date	4/17/2022
Instrument	LCMS-02
Verified by	HT

VIAL	FILE	WG STRINGER	SAMPLE ID
1:A,1	I59004	BLANK	MEOH
1:A,1	I59005	BLANK	MEOH
1:A,2	I59006	**WG1628148,WG1626705,ICAL18931,537ILOW**	**WG1628148-1,537ILOW**
1:B,1	I59007	WG1628148,WG1626705,ICAL18931	WG1626705-1
1:B,2	I59008	WG1628148,WG1626705,ICAL18931	WG1626705-2
1:B,3	I59009	WG1628148,WG1626705,ICAL18931	L2217266-01RE
1:B,4	I59010	WG1628148,WG1626705,ICAL18931	L2217266-03RE
1:B,5	I59011	WG1628148,WG1626705,ICAL18931	L2217910-01
1:B,6	I59012	WG1628148,WG1626705,ICAL18931	L2217910-02
1:B,7	I59013	WG1628148,WG1626705,ICAL18931	L2217910-03
1:B,8	I59014	WG1628148,WG1626705,ICAL18931	L2217910-04
1:C,1	I59015	WG1628148,WG1626705,ICAL18931	L2217910-05
1:C,2	I59016	WG1628148,WG1626705,ICAL18931	L2217910-06
1:C,3	I59017	WG1628148,WG1626705,ICAL18931	L2218314-01
1:C,4	I59018	WG1628148,WG1626705,ICAL18931	L2218314-02
1:A,3	I59019	**WG1628148,WG1626705,ICAL18931,537IMED**	**WG1628148-2,537IMED**
1:C,5	I59020	WG1628148,WG1626705,ICAL18931	L2218318-01
1:C,6	I59021	WG1628148,WG1626705,ICAL18931	L2218318-02
1:C,7	I59022	WG1628148,WG1626705,ICAL18931	L2218384-01
1:C,8	I59023	WG1628148,WG1626705,ICAL18931	L2218384-02
1:D,1	I59024	WG1628148,WG1626705,ICAL18931	L2218526-01
1:D,2	I59025	WG1628148,WG1626705,ICAL18931	L2218526-02
1:D,3	I59026	WG1628148,WG1626705,ICAL18931	L2218526-03
1:D,4	I59027	WG1628148,WG1626705,ICAL18931	L2218526-04
1:D,5	I59028	WG1628148,WG1626705,ICAL18931	L2218526-05
1:D,6	I59029	WG1628148,WG1626705,ICAL18931	L2218526-06
1:D,7	I59030	WG1628148,WG1626705,ICAL18931	WG1626705-3
1:D,8	I59031	WG1628148,WG1626705,ICAL18931	WG1626705-4
1:A,2	I59032	**WG1628148,WG1626705,ICAL18931,537ILOW**	**WG1628148-3,537ILOW**
1:E,1	I59033	WG1628148,WG1627528,ICAL18931	WG1627528-1
1:E,2	I59034	WG1628148,WG1627528,ICAL18931	WG1627528-2
1:E,3	I59035	WG1628148,WG1627528,ICAL18931	L2218379-01
1:E,4	I59036	WG1628148,WG1627528,ICAL18931	WG1627528-3
1:E,5	I59037	WG1628148,WG1627528,ICAL18931	L2218379-02
1:E,6	I59038	WG1628148,WG1627528,ICAL18931	WG1627528-4
1:E,7	I59039	WG1628148,WG1627528,ICAL18931	L2218379-03
1:E,8	I59040	WG1628148,WG1627528,ICAL18931	L2218379-04
1:F,1	I59041	WG1628148,WG1627528,ICAL18931	L2218379-05
1:F,2	I59042	WG1628148,WG1627528,ICAL18931	L2218379-06
1:F,3	I59043	WG1628148,WG1627528,ICAL18931	L2218379-07
1:F,4	I59044	WG1628148,WG1627528,ICAL18931	L2218392-01
1:F,5	I59045	WG1628148,WG1627528,ICAL18931	L2218392-02
1:F,6	I59046	WG1628148,WG1627528,ICAL18931	L2218392-03
1:A,3	I59047	**WG1628148,WG1626705,ICAL18931,537IMED**	**WG1628148-4,537IMED**
1:F,7	I59048	WG1628148,WG1627528,ICAL18931	L2218392-04

Run Date	4/17/2022
Instrument	LCMS-02
Verified by	HT

VIAL	FILE	WG STRINGER	SAMPLE ID
1:F,8	I59049	WG1628148,WG1627528,ICAL18931	L2218392-05
2:A,1	I59050	WG1628148,WG1627528,ICAL18931	L2218392-06
2:A,2	I59051	WG1628148,WG1627528,ICAL18931	L2218392-07
2:A,3	I59052	WG1628148,WG1627528,ICAL18931	L2218392-08
2:A,4	I59053	WG1628148,WG1627528,ICAL18931	L2218392-09
2:A,5	I59054	WG1628148,WG1627528,ICAL18931	L2218392-10
2:A,6	I59055	WG1628148,WG1627528,ICAL18931	L2218392-11
2:A,7	I59056	WG1628148,WG1627528,ICAL18931	L2219220-01
2:A,8	I59057	WG1628148,WG1627528,ICAL18931	L2219224-01
1:A,2	I59058	**WG1628148,WG1626705,ICAL18931,537ILOW**	**WG1628148-5,537ILOW**

ORGANIC ELN REPORT

Workgroup: WG1626705

Prep Method: ALPHA 23528
Solvent Type: Methanol **Lot #:** ED642-US
Surrogate Type: 537 **Lot #:** LC_537_ISO_SURR_220406
Spike Type: 537 **Lot #:** LC_537_ISO_LCS_220406
Spike Verify by: EW
Lims Spikelot: 537I

Additional Reagents/Stds

2% NH4OH	EC040822L,EC041122C
25 mM NaOAc	EC041122H
Acetic Acid	2021090134
pH Strip	10BDH4111

Conc.Method: N-EVAP
Solvent Type: 80:20 Methanol/Wat
Lot #: ec041122f

Additional Reagents/Stds

IS	537_ISO_ISTD_220406

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Initial Sample Weight	Final Weight g	Sample Vol g	Ph	Balance Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Spe Cartridge	Flow Rate ml/min	Lot: Clnup Cartrid	Flow Rate 2 ml/min	Conc Date	Analyst	Final Vol ml	Conc Unit	Pipette Id
L2217266-01 WATER	04/13/22 15:26	Ashlyn Nunez	295.59	26.69	268.9	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-3,410. Centrifuged and decanted due to matrix -AN 4/13/22.																		
L2217266-03 WATER	04/13/22 15:26	Ashlyn Nunez	312.00	27.01	284.99	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-4,420. Centrifuged and decanted due to matrix -AN 4/13/22.																		
L2217910-01 WATER	04/13/22 15:26	Ashlyn Nunez	295.09	26.63	268.46	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-5,417. Centrifuged and decanted due to matrix -AN 4/13/22.																		
L2217910-02 WATER	04/13/22 15:26	Ashlyn Nunez	300.88	27.33	273.55	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-6,111.																		
L2217910-03 WATER	04/13/22 15:26	Ashlyn Nunez	294.05	26.89	267.16	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	5-1,10. Centrifuged and decanted due to matrix -AN 4/13/22.																		
L2217910-04	04/13/22 15:26	Ashlyn Nunez	300.91	26.42	274.49	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	5-2,405.																		

Reported: 26-APR-22 07:38 AM

ORGANIC ELN REPORT

Workgroup: WG1626705

Sample/ Type	Extraction													Concentration				
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Lot: Clnup Cartrid	Flow Rate 2 **ml/min**	Conc Date	Analyst	Final Vol **ml**	Conc Unit	Pipette Id
L2217910-05 WATER	04/13/22 15:26 **5-3,308.**	Ashlyn Nunez	304.85	27.46	277.39	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 60 7	247,276
L2217910-06 WATER	04/13/22 15:26 **5-4,60.**	Ashlyn Nunez	305.48	27.42	278.06	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 60 7	247,276
L2218314-01 WATER	04/13/22 15:26 **5-5,211. 50mL added to centrifuge tube, centrifuged, decanted then diluted to 250mL with DI water due to matrix -AN 4/13/22. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22.**	Ashlyn Nunez	50	0	50	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 60 7	247,276
L2218314-02 WATER	04/13/22 15:26 **5-6,209. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22.**	Ashlyn Nunez	304.70	26.79	277.91	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 60 7	247,276
L2218318-01 SAMP	04/13/22 15:26 **13-1,306. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22.**	Ashlyn Nunez	300.69	27.38	273.31	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 60 7	247,276
L2218318-02 SAMP	04/13/22 15:26 **13-2,4. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22.**	Ashlyn Nunez	306.73	27.17	279.56	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 60 7	247,276
L2218384-01 SAMP	04/13/22 15:26 **13-3,100.**	Ashlyn Nunez	299.34	27.59	271.75	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 60 7	247,276
L2218384-02 SAMP	04/13/22 15:26 **13-4,202.**	Ashlyn Nunez	280.76	26.45	254.31	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 60 7	247,276
L2218526-01 WATER	04/13/22 15:26 **13-5,210.**	Ashlyn Nunez	290.30	27.12	263.18	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 60 7	247,276

ORGANIC ELN REPORT

Workgroup: WG1626705

Sample/ Type	Extraction													Concentration				
	Extract Date	Analyst	Initial Sample Weight	Final Weight g	Sample Vol g	Ph	Balance Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Spe Cartridge	Flow Rate ml/min	Lot: Clnup Cartrid	Flow Rate 2 ml/min	Conc Date	Analyst	Final Vol ml	Conc Unit	Pipette Id
L2218526-02 WATER	04/13/22 15:26	Ashlyn Nunez	305.33	26.99	278.34	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	13-6,62.																		
L2218526-03 WATER	04/13/22 15:26	Ashlyn Nunez	302.57	26.04	276.53	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-1,101.																		
L2218526-04 WATER	04/13/22 15:26	Ashlyn Nunez	288.50	26.40	262.1	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-2,106. Centrifuged and decanted due to matrix -AN 4/13/22. Rinsed and eluted through cartridge due to clogging 4/13/2022 ew.																		
L2218526-05 WATER	04/13/22 15:26	Ashlyn Nunez	286.68	26.65	260.03	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-3,2. Centrifuged and decanted due to matrix -AN 4/13/22.																		
L2218526-06 WATER	04/13/22 15:26	Ashlyn Nunez	270.55	26.75	243.8	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-4,416.																		
WG1626705-1 BLANK	04/13/22 15:26	Ashlyn Nunez	275	25	250	3	BAL-21	.02		329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-1,112. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22. MECH FRACTION: SPIKE WITNESS:TBR, SPIKE ANALYST:EW, SPIKE: LC_537_ISO_MeOH_ISTD_220407, PIPETTE: 276 4/13/2022 EW.														**TRANSFER SPIKE WITNESS:CB**				
WG1626705-2 LCS	04/13/22 15:26	Ashlyn Nunez	275	25	250	3	BAL-21	.02	.02	329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 20:38	Emma Witbeck	1	NEVAP 607	247,276
	4-2,411. Sample spiked with additional 20uL of LC_537_ISO_SURR_ADD_220322 -AN 4/13/22.																		
WG1626705-3 MS	04/13/22 15:26	Ashlyn Nunez	265.55	26.63	238.92	3	BAL-21	.02	.02	329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-5,26.																		
WG1626705-4 MSD	04/13/22 15:26	Ashlyn Nunez	271.24	26.73	244.51	3	BAL-21	.02	.02	329	S22-001611, S308-013	4	D0258 5;1252	4	04/13/22 21:24	Emma Witbeck	1	NEVAP 607	247,276
	14-6,406.																		

ORGANIC ELN REPORT

Workgroup: WG1626705

Sample/ Type	Extraction													Concentration				
	Extract Date	Analyst	Initial Sample Weight **g**	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Lot: Clnup Cartrid	Flow Rate 2 **ml/min**	Conc Date	Analyst	Final Vol **ml**	Conc Unit	Pipette Id
WG1626705-5 MS	04/13/22 11:16	Ashlyn Nunez						.02											
WG1626705-6 MSD	04/13/22 11:16	Ashlyn Nunez						.02											

Reported: 26-APR-22 07:38 AM

PHOENIX
Environmental Laboratories, Inc.

Monday, April 18, 2022

Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Project ID: MULTIPLE SITES IN PEEKSKILL NY
SDG ID: GCL02332
Sample ID#s: CL02332 - CL02347

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 18, 2022

SDG I.D.: GCL02332

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

April 18, 2022

SDG I.D.: GCL02332

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Client Id	Lab Id	Matrix
SB-12 (0-2FT)	CL02332	SOIL
SB-13 (0-2FT)	CL02333	SOIL
SB-14 (0-2FT)	CL02334	SOIL
SB-14 (4-6FT)	CL02335	SOIL
SB-15 (0-2FT)	CL02336	SOIL
SB-15 (2-4FT)	CL02337	SOIL
SB-16 (0-2FT)	CL02338	SOIL
SB-16 (2-4FT)	CL02339	SOIL
SB-17 (0-2FT)	CL02340	SOIL
SB-17 (2-4FT)	CL02341	SOIL
SB-18 (0-4FT)	CL02342	SOIL
SB-19 (0-2FT)	CL02343	SOIL
SB-19 (2-4FT)	CL02344	SOIL
SB-20 (0-4FT)	CL02345	SOIL
SB-21 (0-2FT)	CL02346	SOIL
SB-21 (2-4FT)	CL02347	SOIL

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	9:25
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02332

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-12 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	10.1	0.77	0.77	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	386	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.49	0.31	0.15	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.76	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	24.8	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	61.5	0.8	0.39	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	1.78	0.14	0.09	mg/Kg	10	04/07/22	MGH	SW7471B	
Manganese	323	3.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	16.5	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	1310	7.7	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	24.8	0.39	0.39	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	499	7.7	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Percent Solid	81			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	04/07/22	BJA	SW7196A	
pH at 25C - Soil	7.62	1.00	1.00	pH Units	1	04/07/22 00:39	ARC	SW846 9045D	1
Redox Potential	275			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	0.69	0.62	0.309	mg/Kg	1	04/11/22	M/B/D/G	SW9012B	
Soil Extraction for PCB	Completed					04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/06/22	O/E	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	R/I/L	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-12 (0-2FT)

Phoenix I.D.: CL02332

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3000	3000	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	79			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	96			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1221	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1232	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1242	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1248	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1254	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1260	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1262	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1268	ND	80	80	ug/Kg	2	04/07/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	62			%	2	04/07/22	SC	30 - 150 %
% DCBP (Confirmation)	64			%	2	04/07/22	SC	30 - 150 %
% TCMX	61			%	2	04/07/22	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	04/07/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	40	40	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	40	40	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	160	160	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	54			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	62			%	2	04/08/22	AW	30 - 150 %	
% TCMX	60			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	61			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloroethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dibromoethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichloroethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichloropropane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3-Dichloropropane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
2,2-Dichloropropane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Chlorotoluene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Hexanone	ND	40	8.0	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Isopropyltoluene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	1
4-Chlorotoluene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	40	8.0	ug/Kg	1	04/07/22	JLI	SW8260C	
Acetone	ND	40	8.0	ug/Kg	1	04/07/22	JLI	SW8260C	
Acrylonitrile	ND	16	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
Benzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromobenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromochloromethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromodichloromethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromoform	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromomethane	ND	8.0	3.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Carbon Disulfide	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
Carbon tetrachloride	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C	
Chlorobenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
Chloroethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	
Chloroform	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-12 (0-2FT)

Phoenix I.D.: CL02332

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Dibromochloromethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Dibromomethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Dichlorodifluoromethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Ethylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Hexachlorobutadiene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Isopropylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
m&p-Xylene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	48	8.0	ug/Kg	1	04/07/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Methylene chloride	ND	8.0	8.0	ug/Kg	1	04/07/22	JLI	SW8260C
Naphthalene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
n-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
n-Propylbenzene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
o-Xylene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
p-Isopropyltoluene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
sec-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Styrene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
tert-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Tetrachloroethene	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.0	ug/Kg	1	04/07/22	JLI	SW8260C
Toluene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.0	ug/Kg	1	04/07/22	JLI	SW8260C
Trichloroethene	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Trichlorofluoromethane	ND	8.0	1.6	ug/Kg	1	04/07/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
Vinyl chloride	ND	8.0	0.80	ug/Kg	1	04/07/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/07/22	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	04/07/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	04/07/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	04/07/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	64	ug/kg	1	04/07/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	280	110	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	200	130	ug/Kg	1	04/07/22	WB	SW8270D

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02332

Client ID: SB-12 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		280	280	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		280	260	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		410	810	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	81	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		410	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		410	180	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	280	J	280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		330	330	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	260	J	280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	1900		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		410	240	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	1900		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	1800		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	920		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	1800		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2000	810	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		200	160	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	2100		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	290		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	3400		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		280	150	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02332

Client ID: SB-12 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1200		280	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	140	J	280	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		280	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		280	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		240	150	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	1300		280	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	3000		280	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	89				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	76				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	69				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	67				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	73				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	86				%	1	04/07/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

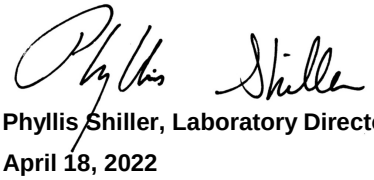
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	10:10
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02333

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-13 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	9.59	0.77	0.77	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	192	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.38	0.31	0.15	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.70	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	21.1	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	47.3	0.8	0.39	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.56	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	282	3.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	17.3	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	100	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	21.1	0.39	0.39	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	83.4	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	82			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.54	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	283			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.61	0.305	mg/Kg	1	04/11/22	M/B/D/G	SW9012B	
Soil Extraction for PCB	Completed					04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/06/22	O/E	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	R/I/L	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-13 (0-2FT)

Phoenix I.D.: CL02333

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3000	3000	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	89			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	111			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1221	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1232	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1242	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1248	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1254	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1260	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1262	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1268	ND	81	81	ug/Kg	2	04/07/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	66			%	2	04/07/22	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	04/07/22	SC	30 - 150 %
% TCMX	60			%	2	04/07/22	SC	30 - 150 %
% TCMX (Confirmation)	63			%	2	04/07/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	41	41	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	8.1	8.1	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	41	41	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	160	160	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	67			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	77			%	2	04/08/22	AW	30 - 150 %	
% TCMX	64			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	70			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloroethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloroethene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,1-Dichloropropene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dibromoethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichloroethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,2-Dichloropropane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
1,3-Dichloropropane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
2,2-Dichloropropane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Chlorotoluene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Hexanone	ND	31	6.2	ug/Kg	1	04/07/22	JLI	SW8260C	
2-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	1
4-Chlorotoluene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	31	6.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Acetone	ND	31	6.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Benzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromobenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromochloromethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromodichloromethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromoform	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Bromomethane	ND	6.2	2.5	ug/Kg	1	04/07/22	JLI	SW8260C	
Carbon Disulfide	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Carbon tetrachloride	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C	
Chlorobenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
Chloroethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	
Chloroform	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-13 (0-2FT)

Phoenix I.D.: CL02333

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Dibromochloromethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Dibromomethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Ethylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Hexachlorobutadiene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Isopropylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
m&p-Xylene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	37	6.2	ug/Kg	1	04/07/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Methylene chloride	ND	6.2	6.2	ug/Kg	1	04/07/22	JLI	SW8260C
Naphthalene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
n-Butylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
n-Propylbenzene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
o-Xylene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
p-Isopropyltoluene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
sec-Butylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Styrene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
tert-Butylbenzene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Tetrachloroethene	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	3.1	ug/Kg	1	04/07/22	JLI	SW8260C
Toluene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	3.1	ug/Kg	1	04/07/22	JLI	SW8260C
Trichloroethene	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Trichlorofluoromethane	ND	6.2	1.2	ug/Kg	1	04/07/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
Vinyl chloride	ND	6.2	0.62	ug/Kg	1	04/07/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	04/07/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	04/07/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	04/07/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/07/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	92	49	ug/kg	1	04/07/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	280	110	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	200	130	ug/Kg	1	04/07/22	WB	SW8270D

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02333

Client ID: SB-13 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		280	99	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		280	280	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		280	250	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		400	800	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	80	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		320	190	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		400	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		400	180	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		320	320	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	350		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		400	230	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	320		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	260	J	280	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	170	J	280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	320		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2000	800	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		200	160	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	370		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	620		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		280	140	ug/Kg	1	04/07/22	WB	SW8270D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	200	J	280	130	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		280	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		280	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		240	150	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	340		280	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		280	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	510		280	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		280	98	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	95				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	83				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	72				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	68				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	78				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	89				%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

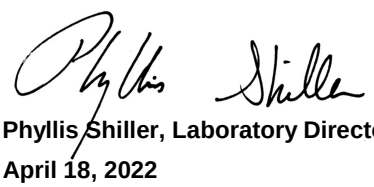
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	10:35
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02334

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	4.82		0.77	0.77	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	127		0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.46		0.31	0.15	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.23		0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	29.7		0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	22.7		0.8	0.39	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.24		0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	259		3.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	14.1		0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	121		0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND		1.5	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	29.7		0.39	0.39	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	107		0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	77				%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.47	0.47	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.14		1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	317				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	0.45	J	0.59	0.295	mg/Kg	1	04/11/22	M/B/D/G	SW9012B	
Soil Extraction for PCB	Completed						04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/06/22	O/E	SW3545A	
Field Extraction	Completed						04/05/22		SW5035A	1
Mercury Digestion	Completed						04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/06/22	R/I/L	SW3546	
Total Metals Digest	Completed						04/06/22	P/AG	SW3050B	

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Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (0-2FT)

Phoenix I.D.: CL02334

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	320	320	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3200	3200	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	320	320	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	320	320	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	87			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	102			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	04/07/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	59			%	2	04/07/22	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	04/07/22	SC	30 - 150 %
% TCMX	56			%	2	04/07/22	SC	30 - 150 %
% TCMX (Confirmation)	57			%	2	04/07/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	42	42	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (0-2FT)

Phoenix I.D.: CL02334

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	42	42	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	170	170	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	46			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	61			%	2	04/08/22	AW	30 - 150 %	
% TCMX	65			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	71			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	43	8.6	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	43	8.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	43	8.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	17	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	8.6	3.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	

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Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (0-2FT)

Phoenix I.D.: CL02334

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	52	8.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	17	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND	8.6	8.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	17	4.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	17	4.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND	8.6	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND	8.6	0.86	ug/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	94			%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	69	ug/kg	1	04/08/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	1	04/07/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	300	230	ug/Kg	1	04/07/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	210	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Phoenix I.D.: CL02334
Client ID: SB-14 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	210	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	300	110	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	210	170	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	210	140	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	300	200	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	300	270	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	300	170	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	210	200	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	430	860	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	260	86	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	300	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	340	200	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	430	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	430	190	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	340	340	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	410	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	430	250	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	480	210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	500	300	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	340	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	420	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	2100	860	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	300	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	210	120	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	210	170	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	480	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	300	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	300	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	740	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	300	160	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02334

Client ID: SB-14 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	300	130	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	380	300	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	210	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	210	150	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	300	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	210	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	300	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	300	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	260	160	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	310	300	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	300	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	680	300	150	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	300	110	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	72			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	80			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	87			%	1	04/07/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	10:50
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02335

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (4-6FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.46	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	6.37	0.79	0.79	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	193	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.36	0.31	0.16	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.48	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	21.7	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	50.0	0.8	0.39	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.96	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	246	3.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	18.9	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	1040	7.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	21.7	0.39	0.39	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	220	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	86			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.31	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	396			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.53	0.264	mg/Kg	1	04/11/22	M/B/D/G	SW9012B	
Soil Extraction for PCB	Completed					04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/06/22	O/E	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	R/I/L	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (4-6FT)

Phoenix I.D.: CL02335

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2900	2900	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	74			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	89			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	04/07/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	69			%	2	04/07/22	SC	30 - 150 %
% DCBP (Confirmation)	66			%	2	04/07/22	SC	30 - 150 %
% TCMX	61			%	2	04/07/22	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	04/07/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	4.0	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (4-6FT)

Phoenix I.D.: CL02335

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	58			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	66			%	2	04/08/22	AW	30 - 150 %	
% TCMX	56			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	63			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	28	5.6	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	28	5.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	28	5.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.6	2.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (4-6FT)

Phoenix I.D.: CL02335

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	34	5.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND	5.6	5.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	2.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	2.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND	5.6	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND	5.6	0.56	ug/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	85	45	ug/kg	1	04/08/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	04/07/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	04/07/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02335

Client ID: SB-14 (4-6FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		190	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		270	96	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		270	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		390	770	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	77	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		390	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		310	310	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	380		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	410		190	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	420		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	240	J	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	410		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		1900	770	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	470		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	730		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02335

Client ID: SB-14 (4-6FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	260	J	270	130	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		190	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		190	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		230	150	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	330		270	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	660		270	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		270	95	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	71				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	60				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	53				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	68				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	82				%	1	04/07/22	WB	30 - 130 %

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-14 (4-6FT)

Phoenix I.D.: CL02335

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	12:35
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02336

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.37	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	3.48		0.75	0.75	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	116		0.7	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.26	J	0.30	0.15	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.15		0.37	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	17.6		0.37	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	26.0		0.7	0.37	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.25		0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	174		3.7	3.7	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	12.4		0.37	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	22.3		0.7	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND		1.5	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	17.6		0.37	0.37	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	57.4		0.7	0.37	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	88				%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.44	0.44	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.23		1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	-25.4				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND		0.36	0.178	mg/Kg	1	04/11/22	M/B/D/G	SW9012B	
Soil Extraction for PCB	Completed						04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed						04/06/22	O/E	SW3545A	
Field Extraction	Completed						04/05/22		SW5035A	1
Mercury Digestion	Completed						04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/06/22	R/I/L	SW3546	
Total Metals Digest	Completed						04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (0-2FT)

Phoenix I.D.: CL02336

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2800	2800	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	73			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	90			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	70			%	2	04/08/22	SC	30 - 150 %
% TCMX	50			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	50			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	59			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	77			%	2	04/08/22	AW	30 - 150 %	
% TCMX	48			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	63			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1-Dichloroethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1-Dichloroethene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,1-Dichloropropene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2-Dibromoethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2-Dichloroethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,2-Dichloropropane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
1,3-Dichloropropane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
2,2-Dichloropropane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
2-Chlorotoluene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
2-Hexanone	ND	23	4.5	ug/Kg	1	04/10/22	JLI	SW8260C	
2-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	1
4-Chlorotoluene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.5	ug/Kg	1	04/10/22	JLI	SW8260C	
Acetone	ND	23	4.5	ug/Kg	1	04/10/22	JLI	SW8260C	
Acrylonitrile	ND	9.1	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Benzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Bromobenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Bromochloromethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Bromodichloromethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Bromoform	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Bromomethane	ND	4.5	1.8	ug/Kg	1	04/10/22	JLI	SW8260C	
Carbon Disulfide	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Carbon tetrachloride	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Chlorobenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Chloroethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Chloroform	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (0-2FT)

Phoenix I.D.: CL02336

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Dibromochloromethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Dibromomethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Ethylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Hexachlorobutadiene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Isopropylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
m&p-Xylene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND	27	4.5	ug/Kg	1	04/10/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.1	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Methylene chloride	ND	4.5	4.5	ug/Kg	1	04/10/22	JLI	SW8260C	
Naphthalene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
n-Butylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
n-Propylbenzene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
o-Xylene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
p-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
sec-Butylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Styrene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
tert-Butylbenzene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Tetrachloroethene	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.1	2.3	ug/Kg	1	04/10/22	JLI	SW8260C	
Toluene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	9.1	2.3	ug/Kg	1	04/10/22	JLI	SW8260C	
Trichloroethene	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Trichlorofluoromethane	ND	4.5	0.91	ug/Kg	1	04/10/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
Vinyl chloride	ND	4.5	0.45	ug/Kg	1	04/10/22	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	04/10/22	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	04/10/22	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	1	04/10/22	JLI	70 - 130 %	
% Toluene-d8	93			%	1	04/10/22	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	68	36	ug/kg	1	04/10/22	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	04/07/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02336

Client ID: SB-15 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		260	92	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		370	740	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	74	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		300	170	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	190	J	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND		260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		1900	740	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		260	96	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		260	99	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		260	96	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	120	J	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	630		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (0-2FT)

Phoenix I.D.: CL02336

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		190	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		190	100	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		220	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	260	J	260	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		260	91	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	74				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	76				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	78				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	77				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	84				%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

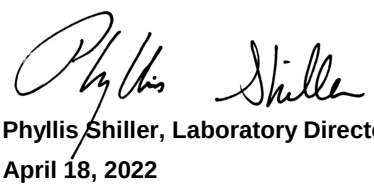
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 18, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	12:45
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02337

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.41	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	21.8	0.82	0.82	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	139	0.8	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.49	0.33	0.16	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	2.27	0.41	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	20.2	0.41	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	86.7	0.8	0.41	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.67	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	863	4.1	4.1	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	16.8	0.41	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	301	0.8	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND	1.6	1.4	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	20.2	0.41	0.41	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	180	0.8	0.41	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	80			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.50	0.50	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.06	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	19.5			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.57	0.284	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/06/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/06/22	O/E	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (2-4FT)

Phoenix I.D.: CL02337

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3100	3100	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	92			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	120			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1221	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1232	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1242	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1248	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1254	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1260	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1262	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
PCB-1268	ND	82	82	ug/Kg	2	04/07/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	57			%	2	04/07/22	SC	30 - 150 %
% DCBP (Confirmation)	59			%	2	04/07/22	SC	30 - 150 %
% TCMX	51			%	2	04/07/22	SC	30 - 150 %
% TCMX (Confirmation)	56			%	2	04/07/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	3.6	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	41	41	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.1	4.1	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND		8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND		8.2	8.2	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND		41	41	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND		160	160	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates										
% DCBP	44				%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	60				%	2	04/08/22	AW	30 - 150 %	
% TCMX	63				%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	71				%	2	04/08/22	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND		36	7.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND		36	7.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	9.1	JS	36	7.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND		14	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND		7.1	2.9	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND		7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND		7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (2-4FT)

Phoenix I.D.: CL02337

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	43	7.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	7.1	7.1	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	3.6	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	14	3.6	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	7.1	1.4	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	7.1	0.71	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	57	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	290	150	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02337

Client ID: SB-15 (2-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		210	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		210	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		210	200	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		420	830	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		250	83	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		420	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		330	330	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	230	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		420	240	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	240		210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	190	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	170	J	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	190	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2100	830	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		210	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		210	170	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	280	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	380		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02337

Client ID: SB-15 (2-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	190	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		210	150	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		250	160	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	200	J	290	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	420		290	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	98				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	78				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	69				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	69				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	73				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	78				%	1	04/07/22	WB	30 - 130 %

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-15 (2-4FT)

Phoenix I.D.: CL02337

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	13:00
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02338

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.43	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	12.2	0.86	0.86	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	110	0.9	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.46	0.34	0.17	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.39	0.43	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	18.9	0.43	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	59.2	0.9	0.43	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.28	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	306	4.3	4.3	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	15.2	0.43	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	40.6	0.9	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND	1.7	1.5	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	18.9	0.43	0.43	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	71.1	0.9	0.43	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	74			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.54	0.54	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	6.95	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	78.9			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.61	0.307	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/L	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/L	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (0-2FT)

Phoenix I.D.: CL02338

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	170	170	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	170	170	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	330	330	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3300	3300	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	170	170	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	170	170	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	330	330	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	330	330	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	98			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	124			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	89	89	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	04/08/22	SC	30 - 150 %
% TCMX	69			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.7	2.7	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.7	2.7	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.7	2.7	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.4	4.4	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.4	4.4	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.4	4.4	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	44	44	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.4	4.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.8	1.8	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.4	4.4	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	8.9	8.9	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	44	44	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	180	180	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	46			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	55			%	2	04/08/22	AW	30 - 150 %	
% TCMX	69			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	75			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	26	5.3	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	26	5.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	26	5.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.3	2.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (0-2FT)

Phoenix I.D.: CL02338

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	5.3	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	79	42	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	310	160	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	310	120	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	310	240	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02338

Client ID: SB-16 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	220	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	310	110	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	310	310	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	220	180	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	310	210	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	310	310	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	310	280	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	310	180	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	220	210	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	450	890	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	270	89	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	310	160	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	360	210	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	450	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	450	200	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	310	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	360	360	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	450	260	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	220	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	2200	890	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	310	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	310	120	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	220	120	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	220	180	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	310	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	310	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	220	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	310	160	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (0-2FT)

Phoenix I.D.: CL02338

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	220	130	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	220	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	220	160	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	310	170	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	310	170	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	270	170	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	310	130	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	310	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	310	150	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	310	110	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	66			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	65			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	71			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	77			%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 18, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	13:15
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02339

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	9.37	0.78	0.78	mg/Kg	1	04/08/22	EK	SW6010D	
Barium	489	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Beryllium	0.41	0.31	0.16	mg/Kg	1	04/08/22	EK	SW6010D	
Cadmium	1.43	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Chromium	22.9	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Copper	44.9	0.8	0.39	mg/kg	1	04/08/22	EK	SW6010D	
Mercury	0.83	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	246	3.9	3.9	mg/Kg	10	04/08/22	EK	SW6010D	
Nickel	13.8	0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Lead	201	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/08/22	EK	SW6010D	
Trivalent Chromium	22.9	0.39	0.39	mg/kg	1	04/08/22		CALC 6010-7196	
Zinc	109	0.8	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Percent Solid	79			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.16	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	129			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.63	0.316	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/L	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/L	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/06/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (2-4FT)

Phoenix I.D.: CL02339

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3100	3100	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	99			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	126			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	70			%	2	04/08/22	SC	30 - 150 %
% TCMX	60			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	4.5	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	30	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	100	42	42	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	12	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	42	42	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	170	170	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	44			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	54			%	2	04/08/22	AW	30 - 150 %	
% TCMX	62			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	82			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	40	8.0	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	40	8.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	40	8.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	16	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	8.0	3.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (2-4FT)

Phoenix I.D.: CL02339

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	48	8.0	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	8.0	8.0	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.0	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.0	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	8.0	1.6	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	8.0	0.80	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	64	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	290	150	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02339

Client ID: SB-16 (2-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		210	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		210	170	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		290	270	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	170	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		210	200	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		420	840	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		250	84	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		340	200	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		420	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		340	340	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		420	250	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND		210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2100	840	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		210	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		210	170	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	120	J	290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	200	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-16 (2-4FT)

Phoenix I.D.: CL02339

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		210	150	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		210	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		250	160	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	220	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	101				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	78				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	73				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	73				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	75				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	79				%	1	04/07/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	13:55
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02340

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (0-2FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND		0.35	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	10.3		0.71	0.71	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	87.9		0.7	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.25	J	0.28	0.14	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	ND		0.35	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	11.4		0.35	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	35.6		0.7	0.35	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	ND		0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	235		3.5	3.5	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	8.64		0.35	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	4.6		0.7	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND		1.4	1.2	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	11.4		0.35	0.35	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	39.8		0.7	0.35	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	86				%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.41	0.41	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.13		1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	239				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND		0.53	0.264	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed						04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed						04/07/22	O/U	SW3545A	
Field Extraction	Completed						04/05/22		SW5035A	1
Mercury Digestion	Completed						04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (0-2FT)

Phoenix I.D.: CL02340

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2900	2900	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	78			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	100			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	61			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	54			%	2	04/08/22	SC	30 - 150 %
% TCMX	44			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	44			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (0-2FT)

Phoenix I.D.: CL02340

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	51			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	55			%	2	04/08/22	AW	30 - 150 %	
% TCMX	47			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	48			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	24	4.8	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	24	4.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	9.5	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	4.8	1.9	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (0-2FT)

Phoenix I.D.: CL02340

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.5	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.5	2.4	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.5	2.4	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.95	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	72	38	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02340

Client ID: SB-17 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	270	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	380	760	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	300	180	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	380	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	380	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	1900	760	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	270	98	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	270	98	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	270	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (0-2FT)

Phoenix I.D.: CL02340

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	270	94	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	75			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	62			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	63			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	70			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	78			%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	14:15
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02341

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	2.45	0.79	0.79	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	64.0	0.8	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.38	0.31	0.16	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	ND	0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	18.0	0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	34.0	0.8	0.39	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	180	3.9	3.9	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	11.4	0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	12.7	0.8	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	18.0	0.39	0.39	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	56.3	0.8	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	86			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.15	1.00	1.00	pH Units	1	04/07/22 00:40	ARC	SW846 9045D	1
Redox Potential	280			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.53	0.264	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/U	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (2-4FT)

Phoenix I.D.: CL02341

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2900	2900	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	81			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	105			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	82			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	75			%	2	04/08/22	SC	30 - 150 %
% TCMX	62			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	63			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	50			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	65			%	2	04/08/22	AW	30 - 150 %	
% TCMX	64			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	77			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	10	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.1	2.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (2-4FT)

Phoenix I.D.: CL02341

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	77	41	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D

1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02341

Client ID: SB-17 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	380	750	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	75	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	380	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	380	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	1900	750	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-17 (2-4FT)

Phoenix I.D.: CL02341

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	100			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	70			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	71			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	75			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	79			%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 18, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	15:00
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02342

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-18 (0-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.33	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	2.20	0.67	0.67	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	79.9	0.7	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.36	0.27	0.13	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	0.36	0.33	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	17.2	0.33	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	49.4	0.7	0.33	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	470	3.3	3.3	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	11.4	0.33	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	22.1	0.7	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.3	1.1	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	17.2	0.33	0.33	mg/kg	1	04/11/22		CALC 6010-7196	
Zinc	62.4	0.7	0.33	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	88			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.40	0.40	mg/Kg	1	04/11/22	EG/BJA	SW7196A	
pH at 25C - Soil	7.71	1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	280			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.57	0.284	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/U	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-18 (0-4FT)

Phoenix I.D.: CL02342

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2800	2800	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	86			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	112			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	66			%	2	04/08/22	SC	30 - 150 %
% TCMX	53			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	53			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	40			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	47			%	2	04/08/22	AW	30 - 150 %	
% TCMX	58			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	61			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	21	4.3	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	21	4.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	21	4.3	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	8.5	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	4.3	1.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-18 (0-4FT)

Phoenix I.D.: CL02342

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	4.3	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.5	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	4.3	4.3	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.5	2.1	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.5	2.1	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	0.85	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	4.3	0.43	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	64	34	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	04/07/22	WB	SW8270D

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02342

Client ID: SB-18 (0-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	370	730	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-18 (0-4FT)

Phoenix I.D.: CL02342

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	96			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	72			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	62			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	63			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	69			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	80			%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	15:20
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02343

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.35	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Arsenic	2.87	0.70	0.70	mg/Kg	1	04/11/22	EK	SW6010D	
Barium	87.8	0.7	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Beryllium	0.37	0.28	0.14	mg/Kg	1	04/11/22	EK	SW6010D	
Cadmium	0.98	0.35	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Chromium	16.2	0.35	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Copper	28.3	0.7	0.35	mg/kg	1	04/11/22	EK	SW6010D	
Mercury	0.13	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	313	3.5	3.5	mg/Kg	10	04/11/22	EK	SW6010D	
Nickel	12.4	0.35	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Lead	51.3	0.7	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Selenium	ND	1.4	1.2	mg/Kg	1	04/11/22	EK	SW6010D	
Trivalent Chromium	16.2	0.35	0.35	mg/kg	1	04/11/22		CALC 6010-7196	
Zinc	43.3	0.7	0.35	mg/Kg	1	04/11/22	EK	SW6010D	
Percent Solid	87			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.04	1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	325			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.57	0.287	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/U	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/08/22	P/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Phoenix I.D.: CL02343

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2800	2800	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	82			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	108			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	74			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	70			%	2	04/08/22	SC	30 - 150 %
% TCMX	69			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Phoenix I.D.: CL02343

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	45			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	54			%	2	04/08/22	AW	30 - 150 %	
% TCMX	69			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	75			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	27	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	27	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	27	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.5	2.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Phoenix I.D.: CL02343

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	ND		33	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	6.9	S	5.5	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		11	2.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.7	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	96				%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	95				%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		82	44	ug/kg	1	04/08/22	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND		260	100	ug/Kg	1	04/07/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND		260	210	ug/Kg	1	04/07/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02343

Client ID: SB-19 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	370	750	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	75	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	370	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	1900	750	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Phoenix I.D.: CL02343

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	190	100	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	72			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	62			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	63			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	67			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	76			%	1	04/07/22	WB	30 - 130 %

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (0-2FT)

Phoenix I.D.: CL02343

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

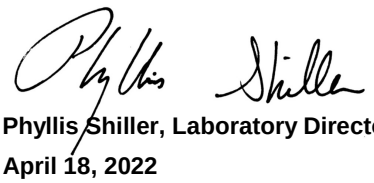
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	15:30
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02344

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.38	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	3.83	0.76	0.76	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	70.1	0.8	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.44	0.30	0.15	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	ND	0.38	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	19.1	0.38	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	23.5	0.8	0.38	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	ND	0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	225	3.8	3.8	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	13.3	0.38	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	5.0	0.8	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.5	1.3	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	19.1	0.38	0.38	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	36.9	0.8	0.38	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	88			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.39	0.39	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.26	1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	310			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.47	0.237	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/U	SW3545A	
Field Extraction	Completed					04/05/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (2-4FT)

Phoenix I.D.: CL02344

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2800	2800	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	280	280	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	81			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	109			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	73			%	2	04/08/22	SC	30 - 150 %
% TCMX	66			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (2-4FT)

Phoenix I.D.: CL02344

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	73			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	75			%	2	04/08/22	AW	30 - 150 %	
% TCMX	66			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	68			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	30	5.9	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	30	5.9	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	30	5.9	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.9	2.4	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (2-4FT)

Phoenix I.D.: CL02344

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.9	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	5.9	5.9	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	3.0	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	3.0	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	89	47	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02344

Client ID: SB-19 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	380	750	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	75	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	380	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	380	220	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	1900	750	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-19 (2-4FT)

Phoenix I.D.: CL02344

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	76			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	63			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	65			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	70			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	83			%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 18, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/05/22	15:45
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02345

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-20 (0-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.44		0.39	0.39	mg/Kg	1	04/08/22	EK	SW6010D	
Arsenic	22.4		0.77	0.77	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	420		0.8	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.64		0.31	0.15	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	1.13		0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	22.1		0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	79.8		0.8	0.39	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	0.50		0.03	0.02	mg/Kg	2	04/07/22	MGH	SW7471B	
Manganese	314		3.9	3.9	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	16.9		0.39	0.39	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	948		7.7	3.9	mg/Kg	10	04/08/22	CPP	SW6010D	
Selenium	1.4	J	1.5	1.3	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	22.1		0.39	0.39	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	472		7.7	3.9	mg/Kg	10	04/08/22	CPP	SW6010D	
Percent Solid	81				%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND		0.45	0.45	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	6.89		1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	-68.8				mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND		0.56	0.281	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed						04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed						04/07/22	O/U	SW3545A	
Field Extraction	Completed						04/05/22		SW5035A	1
Mercury Digestion	Completed						04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed						04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed						04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed						04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-20 (0-4FT)

Phoenix I.D.: CL02345

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3000	3000	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	300	300	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	89			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	119			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	80	80	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	62			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	56			%	2	04/08/22	SC	30 - 150 %
% TCMX	51			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	50			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	2.6	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.4	2.4	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	40	40	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.0	4.0	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND		8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND		8.0	8.0	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND		40	40	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND		160	160	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates										
% DCBP	35				%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	46				%	2	04/08/22	AW	30 - 150 %	
% TCMX	51				%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	55				%	2	04/08/22	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND		38	7.5	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND		38	7.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	130	S	38	7.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND		15	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND		7.5	3.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-20 (0-4FT)

Phoenix I.D.: CL02345

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Chloromethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromochloromethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Dibromomethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Dichlorodifluoromethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Ethylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Hexachlorobutadiene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Isopropylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
m&p-Xylene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl Ethyl Ketone	34	J	45	7.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		15	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Methylene chloride	ND		7.5	7.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Naphthalene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Butylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
n-Propylbenzene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
o-Xylene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
p-Isopropyltoluene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
sec-Butylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Styrene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
tert-Butylbenzene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrachloroethene	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		15	3.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Toluene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		15	3.8	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichloroethene	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorofluoromethane	ND		7.5	1.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Trichlorotrifluoroethane	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
Vinyl chloride	ND		7.5	0.75	ug/Kg	1	04/08/22	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	04/08/22	JLI	70 - 130 %	
% Bromofluorobenzene	99				%	1	04/08/22	JLI	70 - 130 %	
% Dibromofluoromethane	98				%	1	04/08/22	JLI	70 - 130 %	
% Toluene-d8	96				%	1	04/08/22	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	60	ug/kg	1	04/08/22	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,2-Diphenylhydrazine	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	1
2,4,5-Trichlorophenol	ND		290	230	ug/Kg	1	04/07/22	WB	SW8270D	
2,4,6-Trichlorophenol	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02345

Client ID: SB-20 (0-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		210	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		210	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		290	190	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		210	190	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		410	820	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		250	82	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		410	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		410	190	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		330	330	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		410	240	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	150	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2100	820	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		210	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		210	160	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	180	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	210	J	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-20 (0-4FT)

Phoenix I.D.: CL02345

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		210	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		210	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		290	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		250	160	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	120	J	290	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	200	J	290	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		290	100	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	59				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	49				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	50				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	56				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	63				%	1	04/07/22	WB	30 - 130 %

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-20 (0-4FT)

Phoenix I.D.: CL02345

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	9:05
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02346

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	29.7	0.82	0.82	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	114	0.8	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.48	0.33	0.16	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	0.42	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	23.7	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	15.8	0.8	0.41	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	0.06	0.03	0.02	mg/Kg	2	04/08/22	MGH	SW7471B	
Manganese	343	4.1	4.1	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	16.5	0.41	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	73.3	0.8	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.6	1.4	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	23.7	0.41	0.41	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	71.3	0.8	0.41	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	79			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.50	0.50	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	6.63	1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	-179			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.53	0.264	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/U	SW3545A	
Soil Extraction for Pesticide	Completed					04/07/22	O/U	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (0-2FT)

Phoenix I.D.: CL02346

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	3100	3100	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	160	160	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	310	310	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	95			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	120			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	60			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	53			%	2	04/08/22	SC	30 - 150 %
% TCMX	43			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	42			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	42	42	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	4.2	4.2	ug/Kg	2	04/08/22	AW	SW8081B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND		8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND		8.4	8.4	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND		42	42	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND		170	170	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates										
% DCBP	32				%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	29				%	2	04/08/22	AW	30 - 150 %	3
% TCMX	44				%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	41				%	2	04/08/22	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND		28	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND		28	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	79	S	28	5.5	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND		5.5	2.2	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	1.3	J	5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (0-2FT)

Phoenix I.D.: CL02346

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	22	J	33	5.5	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND		5.5	5.5	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND		11	2.8	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		11	2.8	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND		5.5	0.55	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	99				%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	100				%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	96				%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		83	44	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		290	150	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND		290	130	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND		290	140	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND		290	120	ug/Kg	1	04/07/22	WB	SW8270D 1
2,4,5-Trichlorophenol	ND		290	230	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND		210	130	ug/Kg	1	04/07/22	WB	SW8270D

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02346

Client ID: SB-21 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	210	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND	290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND	210	160	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	290	190	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND	290	290	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND	290	260	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	290	160	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	210	200	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND	410	830	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	250	83	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND	290	150	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND	330	190	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND	410	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND	410	190	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND	330	330	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND	410	240	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND	210	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND	2100	830	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND	290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	210	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND	210	170	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND	290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND	290	110	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND	210	120	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND	290	150	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02346

Client ID: SB-21 (0-2FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND	210	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND	210	120	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND	210	150	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	210	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND	250	160	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	ND	290	120	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND	290	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND	290	140	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND	290	100	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	69			%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	64			%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	76			%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	79			%	1	04/07/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 18, 2022

FOR: Attn: Richard Kampf
Labella Associates DPC
45 Main Street Suite 10018
Brooklyn, NY 11201

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/06/22	9:25
Location Code:	LABELLA-BRKLYN	Received by:	CP	04/06/22	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				

Laboratory Data

SDG ID: GCL02332
Phoenix ID: CL02347

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (2-4FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Arsenic	11.0	0.79	0.79	mg/Kg	1	04/08/22	CPP	SW6010D	
Barium	148	0.8	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Beryllium	0.44	0.32	0.16	mg/Kg	1	04/08/22	CPP	SW6010D	
Cadmium	0.43	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Chromium	22.4	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Copper	27.5	0.8	0.40	mg/kg	1	04/08/22	CPP	SW6010D	
Mercury	0.44	0.03	0.02	mg/Kg	2	04/08/22	MGH	SW7471B	
Manganese	454	4.0	4.0	mg/Kg	10	04/08/22	CPP	SW6010D	
Nickel	14.7	0.40	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Lead	283	0.8	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Selenium	ND	1.6	1.3	mg/Kg	1	04/08/22	CPP	SW6010D	
Trivalent Chromium	22.4	0.40	0.40	mg/kg	1	04/09/22		CALC 6010-7196	
Zinc	124	0.8	0.40	mg/Kg	1	04/08/22	CPP	SW6010D	
Percent Solid	84			%		04/06/22	K	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	ND	0.45	0.45	mg/Kg	1	04/08/22	BJA	SW7196A	
pH at 25C - Soil	7.54	1.00	1.00	pH Units	1	04/07/22 00:41	ARC	SW846 9045D	1
Redox Potential	309			mV	1	04/07/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.60	0.298	mg/Kg	1	04/12/22	M/B/G	SW9012B	
Soil Extraction for PCB	Completed					04/07/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					04/07/22	O/E	SW3545A	
Field Extraction	Completed					04/06/22		SW5035A	1
Mercury Digestion	Completed					04/07/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					04/07/22	M/D	SW3546	
Soil Extraction for SVOA	Completed					04/06/22	X/I/Y	SW3546	
Total Metals Digest	Completed					04/07/22	Z/AG	SW3050B	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (2-4FT)

Phoenix I.D.: CL02347

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides								
2,4,5-T	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-D	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
2,4-DB	ND	2900	2900	ug/Kg	10	04/08/22	JRB	SW8151A
Dalapon	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dicamba	ND	150	150	ug/Kg	10	04/08/22	JRB	SW8151A
Dichloroprop	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
Dinoseb	ND	290	290	ug/Kg	10	04/08/22	JRB	SW8151A
QA/QC Surrogates								
% DCAA	83			%	10	04/08/22	JRB	30 - 150 %
% DCAA (Confirmation)	109			%	10	04/08/22	JRB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1221	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1232	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1242	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1248	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1254	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1260	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1262	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
PCB-1268	ND	78	78	ug/Kg	2	04/08/22	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/08/22	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	04/08/22	SC	30 - 150 %
% TCMX	61			%	2	04/08/22	SC	30 - 150 %
% TCMX (Confirmation)	64			%	2	04/08/22	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	04/08/22	AW	SW8081B
a-BHC	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
a-Chlordane	ND	3.9	3.9	ug/Kg	2	04/08/22	AW	SW8081B
Alachlor	ND	3.9	3.9	ug/Kg	2	04/08/22	AW	SW8081B
Aldrin	ND	3.9	3.9	ug/Kg	2	04/08/22	AW	SW8081B
b-BHC	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Chlordane	ND	39	39	ug/Kg	2	04/08/22	AW	SW8081B
d-BHC	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Dieldrin	ND	3.9	3.9	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan I	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan II	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Endrin	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Endrin aldehyde	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
Endrin ketone	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	04/08/22	AW	SW8081B
g-Chlordane	ND	3.9	3.9	ug/Kg	2	04/08/22	AW	SW8081B

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (2-4FT)

Phoenix I.D.: CL02347

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Heptachlor	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B	
Heptachlor epoxide	ND	7.8	7.8	ug/Kg	2	04/08/22	AW	SW8081B	
Methoxychlor	ND	39	39	ug/Kg	2	04/08/22	AW	SW8081B	
Toxaphene	ND	160	160	ug/Kg	2	04/08/22	AW	SW8081B	
QA/QC Surrogates									
% DCBP	44			%	2	04/08/22	AW	30 - 150 %	
% DCBP (Confirmation)	52			%	2	04/08/22	AW	30 - 150 %	
% TCMX	68			%	2	04/08/22	AW	30 - 150 %	
% TCMX (Confirmation)	71			%	2	04/08/22	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,1-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
1,3-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
2,2-Dichloropropane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Chlorotoluene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Hexanone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
2-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	1
4-Chlorotoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
4-Methyl-2-pentanone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acetone	ND	26	5.1	ug/Kg	1	04/08/22	JLI	SW8260C	
Acrylonitrile	ND	10	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Benzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromoform	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Bromomethane	ND	5.1	2.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C	
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	
Chloroform	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C	

Ver 1

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (2-4FT)

Phoenix I.D.: CL02347

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Dibromomethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.1	ug/Kg	1	04/08/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	04/08/22	JLI	SW8260C
Naphthalene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Toluene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	04/08/22	JLI	SW8260C
Trichloroethene	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	04/08/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	04/08/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	1	04/08/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	04/08/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	04/08/22	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/08/22	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	77	41	ug/kg	1	04/08/22	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	04/07/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	04/07/22	WB	SW8270D
1,3-Dichlorobenzene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
1,4-Dichlorobenzene	ND	270	120	ug/Kg	1	04/07/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	270	110	ug/Kg	1	04/07/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	04/07/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	200	120	ug/Kg	1	04/07/22	WB	SW8270D

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Project ID: MULTIPLE SITES IN PEEKSKILL NY

Phoenix I.D.: CL02347

Client ID: SB-21 (2-4FT)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dimethylphenol	ND		270	97	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2,4-Dinitrotoluene	ND		200	150	ug/Kg	1	04/07/22	WB	SW8270D	
2,6-Dinitrotoluene	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylnaphthalene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	04/07/22	WB	SW8270D	
2-Nitrophenol	ND		270	250	ug/Kg	1	04/07/22	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	04/07/22	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	180	ug/Kg	1	04/07/22	WB	SW8270D	
3-Nitroaniline	ND		390	780	ug/Kg	1	04/07/22	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	78	ug/Kg	1	04/07/22	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	04/07/22	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	04/07/22	WB	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Acenaphthylene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Aniline	ND		310	310	ug/Kg	1	04/07/22	WB	SW8270D	
Anthracene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benz(a)anthracene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(a)pyrene	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(b)fluoranthene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(ghi)perylene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzo(k)fluoranthene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Benzoic acid	ND		2000	780	ug/Kg	1	04/07/22	WB	SW8270D	
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Carbazole	ND		200	160	ug/Kg	1	04/07/22	WB	SW8270D	
Chrysene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenz(a,h)anthracene	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D	
Dibenzofuran	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	04/07/22	WB	SW8270D	
Fluoranthene	160	J	270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Fluorene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobenzene	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	04/07/22	WB	SW8270D	

Project ID: MULTIPLE SITES IN PEEKSKILL NY
Client ID: SB-21 (2-4FT)

Phoenix I.D.: CL02347

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D
Hexachloroethane	ND		200	120	ug/Kg	1	04/07/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D
Isophorone	ND		200	110	ug/Kg	1	04/07/22	WB	SW8270D
Naphthalene	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D
Nitrobenzene	ND		200	140	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		200	130	ug/Kg	1	04/07/22	WB	SW8270D
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachloronitrobenzene	ND		270	150	ug/Kg	1	04/07/22	WB	SW8270D
Pentachlorophenol	ND		230	150	ug/Kg	1	04/07/22	WB	SW8270D
Phenanthrene	130	J	270	110	ug/Kg	1	04/07/22	WB	SW8270D
Phenol	ND		270	120	ug/Kg	1	04/07/22	WB	SW8270D
Pyrene	ND		270	130	ug/Kg	1	04/07/22	WB	SW8270D
Pyridine	ND		270	96	ug/Kg	1	04/07/22	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl	69				%	1	04/07/22	WB	30 - 130 %
% 2-Fluorophenol	60				%	1	04/07/22	WB	30 - 130 %
% Nitrobenzene-d5	63				%	1	04/07/22	WB	30 - 130 %
% Phenol-d5	67				%	1	04/07/22	WB	30 - 130 %
% Terphenyl-d14	73				%	1	04/07/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 18, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Monday, April 18, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCL02332 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL02332	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1900	200	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1900	200	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	280	500	500	ug/Kg
CL02332	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1900	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2100	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	200	1000	1000	ug/Kg
CL02332	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	280	500	500	ug/Kg
CL02332	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	280	500	500	ug/Kg
CL02332	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	200	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	280	1000	1000	ug/Kg
CL02332	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	280	800	800	ug/Kg
CL02332	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	386	0.8	350	350	mg/Kg
CL02332	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	386	0.8	350	350	mg/Kg
CL02332	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.5	0.8	50	50	mg/kg
CL02332	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.78	0.14	0.81	0.81	mg/Kg
CL02332	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.78	0.14	0.81	0.81	mg/Kg
CL02332	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.78	0.14	0.18	0.18	mg/Kg
CL02332	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1310	7.7	1000	1000	mg/Kg
CL02332	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1310	7.7	400	400	mg/Kg
CL02332	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1310	7.7	400	400	mg/Kg
CL02332	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1310	7.7	63	63	mg/Kg
CL02332	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	499	7.7	109	109	mg/Kg
CL02333	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.56	0.03	0.18	0.18	mg/Kg
CL02333	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	100	0.8	63	63	mg/Kg
CL02334	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.24	0.03	0.18	0.18	mg/Kg
CL02334	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	121	0.8	63	63	mg/Kg
CL02335	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.0	2.3	3.3	3.3	ug/Kg
CL02335	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.96	0.03	0.81	0.81	mg/Kg
CL02335	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.96	0.03	0.81	0.81	mg/Kg
CL02335	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.96	0.03	0.18	0.18	mg/Kg
CL02335	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1040	7.9	1000	1000	mg/Kg
CL02335	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1040	7.9	400	400	mg/Kg
CL02335	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1040	7.9	400	400	mg/Kg
CL02335	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1040	7.9	63	63	mg/Kg

Monday, April 18, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCL02332 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL02335	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	220	0.8	109	109	mg/Kg
CL02336	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
CL02337	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.6	2.5	3.3	3.3	ug/Kg
CL02337	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	21.8	0.82	16	16	mg/Kg
CL02337	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	21.8	0.82	16	16	mg/Kg
CL02337	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	21.8	0.82	16	16	mg/Kg
CL02337	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	21.8	0.82	13	13	mg/Kg
CL02337	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	86.7	0.8	50	50	mg/kg
CL02337	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.67	0.03	0.18	0.18	mg/Kg
CL02337	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	301	0.8	63	63	mg/Kg
CL02337	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	180	0.8	109	109	mg/Kg
CL02338	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	59.2	0.9	50	50	mg/kg
CL02338	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
CL02339	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.5	2.5	3.3	3.3	ug/Kg
CL02339	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	489	0.8	400	400	mg/Kg
CL02339	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	489	0.8	350	350	mg/Kg
CL02339	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	489	0.8	400	400	mg/Kg
CL02339	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	489	0.8	350	350	mg/Kg
CL02339	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.83	0.03	0.81	0.81	mg/Kg
CL02339	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.83	0.03	0.81	0.81	mg/Kg
CL02339	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.83	0.03	0.18	0.18	mg/Kg
CL02339	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	201	0.8	63	63	mg/Kg
CL02345	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	130	38	50	50	ug/Kg
CL02345	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	22.4	0.77	16	16	mg/Kg
CL02345	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	22.4	0.77	16	16	mg/Kg
CL02345	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	22.4	0.77	16	16	mg/Kg
CL02345	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	22.4	0.77	13	13	mg/Kg
CL02345	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	420	0.8	400	400	mg/Kg
CL02345	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	420	0.8	350	350	mg/Kg
CL02345	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	420	0.8	400	400	mg/Kg
CL02345	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	420	0.8	350	350	mg/Kg
CL02345	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	79.8	0.8	50	50	mg/kg
CL02345	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.50	0.03	0.18	0.18	mg/Kg
CL02345	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	948	7.7	400	400	mg/Kg
CL02345	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	948	7.7	400	400	mg/Kg
CL02345	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	948	7.7	63	63	mg/Kg
CL02345	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	472	7.7	109	109	mg/Kg

Monday, April 18, 2022

Criteria: NY: 375, 375COM, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCL02332 - LABELLA-BRKLYN

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL02346	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	79	28	50	50	ug/Kg
CL02346	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	29.7	0.82	16	16	mg/Kg
CL02346	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	29.7	0.82	16	16	mg/Kg
CL02346	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	29.7	0.82	16	16	mg/Kg
CL02346	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	29.7	0.82	13	13	mg/Kg
CL02346	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	73.3	0.8	63	63	mg/Kg
CL02347	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.44	0.03	0.18	0.18	mg/Kg
CL02347	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	283	0.8	63	63	mg/Kg
CL02347	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	124	0.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 18, 2022

SDG I.D.: GCL02332

The samples in this delivery group were received at 1.9°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☒ No ☐

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 1.0 °C Pg 2 of 2

Contact Options:
☒ Phone: 917-280-6367
☐ Fax:
☒ Email: rkampf@labellape.com

Customer: LaBella Associates
Address: 45 Main St. Suite 1018, Brooklyn, NY 11201

Project: Multiple Sites in Peekskill, NY Project P.O: 2220750
Report to: rkampf@labellape.com
Invoice to: appk@labellape.com
QUOTE # :

This section MUST be completed with Bottle Quantities.

Sampler's Signature: _____ Date: 4/5/22

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: Full List Part 375 (NYSDEC)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Full List Part 375 (NYSDEC)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [X] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
02332	SB-19 (0-2ft)	S	4/5/22	15:20	X		3	2									
02333	SB-19 (2-4ft)	S	4/5/22	1530	X		3	2									
02334	SB-20 (0-4ft)	S	4/5/22	1545	X		3	2									
02335	SB-21 (0-2ft)	S	4/6/22	0905	X		3	2									
02336	SB-21 (2-4ft)	S	4/6/22	0925	X		3	2									

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields LaBella		4/6/22	0940
		4/6/22	1635

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☐ TOGS GW
☐ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:

Data Format:
☒ Phoenix Std Report ☐ EQuIS
☒ Excel ☐ NJ Hazsite EDD
☒ PDF ☐ NY EZ EDD (ASP)
☐ GIS/Key ☐ Other

Data Package:
☐ NJ Reduced Deliv. * ☐ Other
☒ NY Enhanced (ASP B) *

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 9 °C Pg 1 of 2

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Phone: 917-280-6364
[ ] Fax:
[X] Email: rkampf@labellapc.com

Customer: LaBella Associates
Address: 45 Main Street, Suite 1018
Brooklyn, NY 11201

Project: Multiple sites in Peekskill, NY
Report to: rkampf@labellapc.com
Invoice to: appke labellapc.com
QUOTE # :

Project P.O: 2220750

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: Full List NYSDEC Part 375

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled		GL Amber 8 oz. w/H3PO4	Soil VOA Vials [X] Methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
02337	SB-12 (0-2ft)	S	4/5/22	09:25	X		3	2									
02338	SB-13 (0-2ft)	S	4/5/22	10:10	X		3	2									
02339	SB-14 (0-2ft)	S	4/5/22	10:35	X		3	2									
02340	SB-14 (4-6ft)	S	4/5/22	10:50	X		3	2									
02341	SB-15 (0-2ft)	S	4/5/22	12:35	X		3	2									
02342	SB-15 (2-4ft)	S	4/5/22	1245	X		3	2									
02343	SB-16 (0-2ft)	S	4/5/22	1300	X		3	2									
02344	SB-16 (2-4ft)	S	4/5/22	1315	X		3	2									
02345	SB-17 (0-2ft)	S	4/5/22	1355	X		3	2									
02346	SB-17 (2-4ft)	S	4/5/22	1415	X		3	2									
02347	SB-18 (0-4ft)	S	4/5/22	1500	X												

Relinquished by:	Accepted by:	Date:	Time:
Brandon Fiebelkorn / LaBella		4/6/22	0940A
		4/6/22	1635

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[X] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:

Data Format:
[X] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

Data Package:
[ ] NJ Reduced Deliv. *
[ ] Other
[X] NY Enhanced (ASP B) *

PHOENIX
Environmental Laboratories, Inc.

Monday, April 11, 2022

Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Project ID: PEEKSKILL
SDG ID: GCL03870
Sample ID#s: CL03870 - CL03882

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 11, 2022

SDG I.D.: GCL03870

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

April 11, 2022

SDG I.D.: GCL03870

Project ID: PEEKSKILL

Client Id	Lab Id	Matrix
SG-03	CL03870	AIR
OA-01	CL03871	AIR
FIELD DUP	CL03872	AIR
SG-01	CL03873	AIR
SVP-01	CL03874	AIR
SVP-02	CL03875	AIR
SG-02	CL03876	AIR
SVP-03	CL03877	AIR
IA-02	CL03878	AIR
IA-04	CL03879	AIR
IA-03	CL03880	AIR
SVP-04	CL03881	AIR
IA-01	CL03882	AIR

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	13:45
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	19859				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03870

Project ID: PEEKSKILL
Client ID: SG-03

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	4.36	*0.204*	0.204	21.4	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	1.01	*0.204*	0.204	4.96	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	15.3	*0.452*	0.452	33.8	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	4.89	*0.204*	0.204	24.0	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.245	*0.244*	0.244	1.00	*1.00*	1.00	04/08/22	KCA	1	
Acetone	16.1	*0.421*	0.421	38.2	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	5.88	*0.313*	0.313	18.8	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SG-03

Phoenix I.D.: CL03870

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	6.60	*0.321*	0.321	20.5	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.064	*0.032*	0.032	0.40	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	0.555	*0.205*	0.205	2.71	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.518	*0.485*	0.485	1.07	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.413	*0.202*	0.202	2.04	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	1.93	*0.531*	0.531	3.63	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	6.22	*0.230*	0.230	27.0	*1.00*	1.00	04/08/22	KCA	1	
Heptane	3.33	*0.244*	0.244	13.6	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	4.22	*0.284*	0.284	14.9	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	ND	*0.407*	0.407	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	0.451	*0.204*	0.204	2.22	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	19.9	*0.230*	0.230	86.4	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	1.76	*0.339*	0.339	5.19	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	0.291	*0.182*	0.182	1.60	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	6.64	*0.230*	0.230	28.8	*1.00*	1.00	04/08/22	KCA	1	
Propylene	39.1	*2.91*	2.91	67.3	*5.01*	5.01	04/08/22	KCA	5	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	3.21	*0.037*	0.037	21.8	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	32.9	*0.266*	0.266	124	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.227	*0.178*	0.178	1.27	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	%	%	100	%	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	116	%	%	116	%	%	04/08/22	KCA	1	
% IS-Bromochloromethane	115	%	%	115	%	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	120	%	%	120	%	%	04/08/22	KCA	1	
% Bromofluorobenzene (5x)	104	%	%	104	%	%	04/08/22	KCA	5	
% IS-1,4-Difluorobenzene (5x)	100	%	%	100	%	%	04/08/22	KCA	5	
% IS-Bromochloromethane (5x)	100	%	%	100	%	%	04/08/22	KCA	5	
% IS-Chlorobenzene-d5 (5x)	95	%	%	95	%	%	04/08/22	KCA	5	

Ver 1

Project ID: PEEKSKILL
Client ID: SG-03

Phoenix I.D.: CL03870

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	10:05
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	19835				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03871

Project ID: PEEKSKILL
Client ID: OA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	1.92	*0.421*	0.421	4.56	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: OA-01

Phoenix I.D.: CL03871

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.080	*0.032*	0.032	0.50	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.589	*0.485*	0.485	1.22	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.563	*0.202*	0.202	2.78	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	9.50	*0.531*	0.531	17.9	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	ND	*0.407*	0.407	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.067	*0.037*	0.037	0.45	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.244	*0.178*	0.178	1.37	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	102	*%*	%	102	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	93	*%*	%	93	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	95	*%*	%	95	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	91	*%*	%	91	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: OA-01

Phoenix I.D.: CL03871

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:50
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	19732				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03872

Project ID: PEEKSKILL
Client ID: FIELD DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	3.20	*0.421*	0.421	7.60	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: FIELD DUP

Phoenix I.D.: CL03872

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.081	*0.032*	0.032	0.51	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.551	*0.485*	0.485	1.14	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.501	*0.202*	0.202	2.48	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	4.36	*0.531*	0.531	8.21	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	5.03	*0.407*	0.407	12.4	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.244	*0.037*	0.037	1.65	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	1.03	*0.266*	0.266	3.88	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.256	*0.178*	0.178	1.44	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	104	*%*	%	104	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	91	*%*	%	91	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	95	*%*	%	95	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	88	*%*	%	88	*%*	%	04/08/22	KCA	1	

Ver 1

Project ID: PEEKSKILL
Client ID: FIELD DUP

Phoenix I.D.: CL03872

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	10:00
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	17160				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03873

Project ID: PEEKSKILL
Client ID: SG-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	6.26	*0.204*	0.204	30.8	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	1.40	*0.204*	0.204	6.88	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	5.58	*0.204*	0.204	27.4	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	0.236	*0.182*	0.182	1.29	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.371	*0.244*	0.244	1.52	*1.00*	1.00	04/08/22	KCA	1	
Acetone	17.4	*0.421*	0.421	41.3	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	0.749	*0.313*	0.313	2.39	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SG-01

Phoenix I.D.: CL03873

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.034	*0.032*	0.032	0.21	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	0.542	*0.291*	0.291	1.86	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.435	*0.202*	0.202	2.15	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	1.89	*0.531*	0.531	3.56	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	3.40	*0.230*	0.230	14.8	*1.00*	1.00	04/08/22	KCA	1	
Heptane	0.527	*0.244*	0.244	2.16	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	0.431	*0.284*	0.284	1.52	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	0.433	*0.407*	0.407	1.06	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	0.383	*0.204*	0.204	1.88	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	13.8	*0.230*	0.230	59.9	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	0.376	*0.182*	0.182	2.06	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	4.78	*0.230*	0.230	20.7	*1.00*	1.00	04/08/22	KCA	1	
Propylene	4.11	*0.581*	0.581	7.07	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	1.92	*0.037*	0.037	13.0	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	9.67	*0.266*	0.266	36.4	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.246	*0.178*	0.178	1.38	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	102	%	%	102	%	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	04/08/22	KCA	1	
% IS-Bromochloromethane	101	%	%	101	%	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	99	%	%	99	%	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SG-01

Phoenix I.D.: CL03873

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:50
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	11292				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03874

Project ID: PEEKSKILL
Client ID: SVP-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	0.426	*0.204*	0.204	2.09	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	22.5	*0.421*	0.421	53.4	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-01

Phoenix I.D.: CL03874

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	1.25	*0.149*	0.149	8.37	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.075	*0.032*	0.032	0.47	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	6.24	*0.205*	0.205	30.4	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.490	*0.202*	0.202	2.42	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	7.59	*0.531*	0.531	14.3	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	8.07	*0.278*	0.278	29.1	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	0.259	*0.230*	0.230	1.12	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	3.14	*0.407*	0.407	7.71	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	0.666	*0.230*	0.230	2.89	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	2.06	*0.339*	0.339	6.07	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	0.315	*0.230*	0.230	1.37	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.387	*0.037*	0.037	2.62	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	0.529	*0.339*	0.339	1.56	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	0.925	*0.266*	0.266	3.48	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.237	*0.178*	0.178	1.33	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	103	*%*	%	103	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	94	*%*	%	94	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	98	*%*	%	98	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-01

Phoenix I.D.: CL03874

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:00
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	357				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03875

Project ID: PEEKSKILL
Client ID: SVP-02

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	9.84	*0.421*	0.421	23.4	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-02

Phoenix I.D.: CL03875

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.032	*0.032*	0.032	0.20	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	1.07	*0.205*	0.205	5.22	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.498	*0.202*	0.202	2.46	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	10.2	*0.531*	0.531	19.2	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	1.61	*0.407*	0.407	3.96	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	0.596	*0.339*	0.339	1.76	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.414	*0.037*	0.037	2.81	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.234	*0.178*	0.178	1.31	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	*%*	%	100	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	94	*%*	%	94	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	98	*%*	%	98	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	92	*%*	%	92	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-02

Phoenix I.D.: CL03875

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:15
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	228				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03876

Project ID: PEEKSKILL
Client ID: SG-02

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Acetone	3.89	*0.421*	0.421	9.23	*1.00*	1.00	04/09/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SG-02

Phoenix I.D.: CL03876

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Tetrachloride	0.080	*0.032*	0.032	0.50	*0.20*	0.20	04/09/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloromethane	0.575	*0.485*	0.485	1.19	*1.00*	1.00	04/09/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/09/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/09/22	KCA	1	
Dichlorodifluoromethane	0.504	*0.202*	0.202	2.49	*1.00*	1.00	04/09/22	KCA	1	
Ethanol	9.50	*0.531*	0.531	17.9	*1.00*	1.00	04/09/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexane	1.21	*0.284*	0.284	4.26	*1.00*	1.00	04/09/22	KCA	1	
Isopropylalcohol	1.10	*0.407*	0.407	2.70	*1.00*	1.00	04/09/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/09/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
Methylene Chloride	5.65	*0.863*	0.863	19.6	*3.00*	3.00	04/09/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/09/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/09/22	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	04/09/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/09/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/09/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/09/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/09/22	KCA	1	
Trichlorofluoromethane	0.236	*0.178*	0.178	1.33	*1.00*	1.00	04/09/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/09/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/09/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	*%*	%	100	*%*	%	04/09/22	KCA	1	
% IS-1,4-Difluorobenzene	91	*%*	%	91	*%*	%	04/09/22	KCA	1	
% IS-Bromochloromethane	99	*%*	%	99	*%*	%	04/09/22	KCA	1	
% IS-Chlorobenzene-d5	89	*%*	%	89	*%*	%	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SG-02

Phoenix I.D.: CL03876

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	14:45
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	28559				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03877

Project ID: PEEKSKILL
Client ID: SVP-03

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Acetone	6.45	*0.421*	0.421	15.3	*1.00*	1.00	04/09/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-03

Phoenix I.D.: CL03877

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Tetrachloride	0.079	*0.032*	0.032	0.50	*0.20*	0.20	04/09/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloromethane	1.78	*0.485*	0.485	3.67	*1.00*	1.00	04/09/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/09/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/09/22	KCA	1	
Dichlorodifluoromethane	0.480	*0.202*	0.202	2.37	*1.00*	1.00	04/09/22	KCA	1	
Ethanol	2.65	*0.531*	0.531	4.99	*1.00*	1.00	04/09/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/09/22	KCA	1	
Isopropylalcohol	0.761	*0.407*	0.407	1.87	*1.00*	1.00	04/09/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/09/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/09/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/09/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/09/22	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	04/09/22	KCA	1	
Tetrahydrofuran	0.358	*0.339*	0.339	1.06	*1.00*	1.00	04/09/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/09/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/09/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/09/22	KCA	1	
Trichlorofluoromethane	0.229	*0.178*	0.178	1.29	*1.00*	1.00	04/09/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/09/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/09/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	104	*%*	%	104	*%*	%	04/09/22	KCA	1	
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	04/09/22	KCA	1	
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	04/09/22	KCA	1	
% IS-Chlorobenzene-d5	88	*%*	%	88	*%*	%	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-03

Phoenix I.D.: CL03877

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:50
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	12862				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03878

Project ID: PEEKSKILL
Client ID: IA-02

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	3.05	*0.421*	0.421	7.24	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-02

Phoenix I.D.: CL03878

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.083	*0.032*	0.032	0.52	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.562	*0.485*	0.485	1.16	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.573	*0.202*	0.202	2.83	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	18.7	*0.531*	0.531	35.2	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	5.57	*0.407*	0.407	13.7	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.953	*0.037*	0.037	6.46	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	0.929	*0.266*	0.266	3.50	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	0.046	*0.037*	0.037	0.25	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.268	*0.178*	0.178	1.50	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	102	*%*	%	102	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	89	*%*	%	89	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	91	*%*	%	91	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	88	*%*	%	88	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-02

Phoenix I.D.: CL03878

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	14:55
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	11291				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03879

Project ID: PEEKSKILL
Client ID: IA-04

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	2.31	*0.421*	0.421	5.48	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-04

Phoenix I.D.: CL03879

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.077	*0.032*	0.032	0.48	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.611	*0.485*	0.485	1.26	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.492	*0.202*	0.202	2.43	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	3.08	*0.531*	0.531	5.80	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	ND	*0.407*	0.407	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.234	*0.178*	0.178	1.31	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	99	*%*	%	99	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	93	*%*	%	93	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	91	*%*	%	91	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-04

Phoenix I.D.: CL03879

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	14:45
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	470				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03880

Project ID: PEEKSKILL
Client ID: IA-03

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	2.08	*0.421*	0.421	4.94	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-03

Phoenix I.D.: CL03880

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.076	*0.032*	0.032	0.48	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	0.587	*0.485*	0.485	1.21	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	0.463	*0.051*	0.051	1.83	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.486	*0.202*	0.202	2.40	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	1.25	*0.531*	0.531	2.35	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	1.64	*0.407*	0.407	4.03	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.237	*0.037*	0.037	1.61	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	0.288	*0.037*	0.037	1.55	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.249	*0.178*	0.178	1.40	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	*%*	%	100	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	93	*%*	%	93	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	98	*%*	%	98	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	92	*%*	%	92	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-03

Phoenix I.D.: CL03880

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	14:55
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	7646				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03881

Project ID: PEEKSKILL
Client ID: SVP-04

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/09/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/09/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Acetone	4.79	*0.421*	0.421	11.4	*1.00*	1.00	04/09/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	04/09/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-04

Phoenix I.D.: CL03881

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/09/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/09/22	KCA	1	
Carbon Tetrachloride	ND	*0.032*	0.032	ND	*0.20*	0.20	04/09/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/09/22	KCA	1	
Chloroform	1.18	*0.205*	0.205	5.76	*1.00*	1.00	04/09/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	04/09/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/09/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/09/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/09/22	KCA	1	
Dichlorodifluoromethane	0.476	*0.202*	0.202	2.35	*1.00*	1.00	04/09/22	KCA	1	
Ethanol	9.16	*0.531*	0.531	17.2	*1.00*	1.00	04/09/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/09/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/09/22	KCA	1	
Isopropylalcohol	1.13	*0.407*	0.407	2.78	*1.00*	1.00	04/09/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/09/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Methyl Ethyl Ketone	0.349	*0.339*	0.339	1.03	*1.00*	1.00	04/09/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/09/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/09/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/09/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	04/09/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/09/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/09/22	KCA	1	
Tetrachloroethene	0.411	*0.037*	0.037	2.79	*0.25*	0.25	04/09/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	04/09/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	04/09/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/09/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/09/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	04/09/22	KCA	1	
Trichlorofluoromethane	0.241	*0.178*	0.178	1.35	*1.00*	1.00	04/09/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/09/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/09/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	99	*%*	%	99	*%*	%	04/09/22	KCA	1	
% IS-1,4-Difluorobenzene	96	*%*	%	96	*%*	%	04/09/22	KCA	1	
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	04/09/22	KCA	1	
% IS-Chlorobenzene-d5	95	*%*	%	95	*%*	%	04/09/22	KCA	1	

Project ID: PEEKSKILL
Client ID: SVP-04

Phoenix I.D.: CL03881

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 11, 2022

FOR: Attn: Mr. Richard Kampf
Labella Associates DPC
5 McCrea Hill Rd.,
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	BF	04/06/22	9:00
Location Code:	LABELLA	Received by:	LB	04/07/22	14:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2220750				
Canister Id:	23872				

Laboratory Data

SDG ID: GCL03870
Phoenix ID: CL03882

Project ID: PEEKSKILL
Client ID: IA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	04/08/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2,4-Trimethylbenzene	0.584	*0.204*	0.204	2.87	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	04/08/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	04/08/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Acetone	6.49	*0.421*	0.421	15.4	*1.00*	1.00	04/08/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	04/08/22	KCA	1	
Benzene	0.508	*0.313*	0.313	1.62	*1.00*	1.00	04/08/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-01

Phoenix I.D.: CL03882

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	04/08/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	04/08/22	KCA	1	
Carbon Tetrachloride	0.078	*0.032*	0.032	0.49	*0.20*	0.20	04/08/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	04/08/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	04/08/22	KCA	1	
Cis-1,2-Dichloroethene	0.068	*0.051*	0.051	0.27	*0.20*	0.20	04/08/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	04/08/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	04/08/22	KCA	1	
Dichlorodifluoromethane	0.457	*0.202*	0.202	2.26	*1.00*	1.00	04/08/22	KCA	1	
Ethanol	25.8	*0.531*	0.531	48.6	*1.00*	1.00	04/08/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	04/08/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	04/08/22	KCA	1	
Isopropylalcohol	3.08	*0.407*	0.407	7.57	*1.00*	1.00	04/08/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	04/08/22	KCA	1	
m,p-Xylene	0.560	*0.230*	0.230	2.43	*1.00*	1.00	04/08/22	KCA	1	
Methyl Ethyl Ketone	0.947	*0.339*	0.339	2.79	*1.00*	1.00	04/08/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	04/08/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	04/08/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	04/08/22	KCA	1	
Propylene	0.880	*0.581*	0.581	1.51	*1.00*	1.00	04/08/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	04/08/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	04/08/22	KCA	1	
Tetrachloroethene	0.287	*0.037*	0.037	1.95	*0.25*	0.25	04/08/22	KCA	1	
Tetrahydrofuran	0.458	*0.339*	0.339	1.35	*1.00*	1.00	04/08/22	KCA	1	1
Toluene	0.526	*0.266*	0.266	1.98	*1.00*	1.00	04/08/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	04/08/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	04/08/22	KCA	1	
Trichloroethene	0.041	*0.037*	0.037	0.22	*0.20*	0.20	04/08/22	KCA	1	
Trichlorofluoromethane	0.237	*0.178*	0.178	1.33	*1.00*	1.00	04/08/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	04/08/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	04/08/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	105	*%*	%	105	*%*	%	04/08/22	KCA	1	
% IS-1,4-Difluorobenzene	96	*%*	%	96	*%*	%	04/08/22	KCA	1	
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	04/08/22	KCA	1	
% IS-Chlorobenzene-d5	89	*%*	%	89	*%*	%	04/08/22	KCA	1	

Project ID: PEEKSKILL
Client ID: IA-01

Phoenix I.D.: CL03882

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

April 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Monday, April 11, 2022

Criteria: NY: AIRIA

State: NY

Sample Criteria Exceedances Report

GCL03870 - LABELLA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03870	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.064	0.032	0.032	0.032	ppbv
CL03870	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	3.21	0.037	0.443	0.443	ppbv
CL03870	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.40	0.2	0.2	0.2	ug/m3
CL03870	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	21.8	0	3	3	ug/m3
CL03871	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.080	0.032	0.032	0.032	ppbv
CL03871	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.50	0.2	0.2	0.2	ug/m3
CL03872	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.081	0.032	0.032	0.032	ppbv
CL03872	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.51	0.2	0.2	0.2	ug/m3
CL03873	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.034	0.032	0.032	0.032	ppbv
CL03873	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	1.92	0.037	0.443	0.443	ppbv
CL03873	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.21	0.2	0.2	0.2	ug/m3
CL03873	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	13.0	0	3	3	ug/m3
CL03874	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.075	0.032	0.032	0.032	ppbv
CL03874	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.47	0.2	0.2	0.2	ug/m3
CL03876	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	5.65	0.863	0.864	0.864	ppbv
CL03876	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.080	0.032	0.032	0.032	ppbv
CL03876	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	19.6	3	3	3	ug/m3
CL03876	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.50	0.2	0.2	0.2	ug/m3
CL03877	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.079	0.032	0.032	0.032	ppbv
CL03877	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.50	0.2	0.2	0.2	ug/m3
CL03878	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.083	0.032	0.032	0.032	ppbv
CL03878	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.046	0.037	0.037	0.037	ppbv
CL03878	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	0.953	0.037	0.443	0.443	ppbv
CL03878	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.52	0.2	0.2	0.2	ug/m3
CL03878	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	6.46	0	3	3	ug/m3
CL03878	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.25	0.2	0.2	0.2	ug/m3
CL03879	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.077	0.032	0.032	0.032	ppbv
CL03879	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.48	0.2	0.2	0.2	ug/m3
CL03880	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.288	0.037	0.037	0.037	ppbv
CL03880	$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Indoor Air	0.463	0.051	0.051	0.051	ppbv
CL03880	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.076	0.032	0.032	0.032	ppbv
CL03880	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.48	0.2	0.2	0.2	ug/m3
CL03880	$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Indoor Air	1.83	0.2	0.2	0.2	ug/m3
CL03880	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	1.55	0.2	0.2	0.2	ug/m3

Monday, April 11, 2022

Criteria: NY: AIRIA

State: NY

Sample Criteria Exceedances Report

GCL03870 - LABELLA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL03882	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.041	0.037	0.037	0.037	ppbv
CL03882	$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Indoor Air	0.068	0.051	0.051	0.051	ppbv
CL03882	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.078	0.032	0.032	0.032	ppbv
CL03882	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.49	0.2	0.2	0.2	ug/m3
CL03882	$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Indoor Air	0.27	0.2	0.2	0.2	ug/m3
CL03882	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.22	0.2	0.2	0.2	ug/m3

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

LABELLA

CHAIN OF CUSTODY RECORD
AIR ANALYSES

860-645-1102
email: greg@phoenixlabs.com

P.O. # 2220750 Page 1 of 2

Data Delivery:
☐ Fax #:
☑ Email: rkample@labellapc.com
☐ Phone #:

Report to:	Branson Fields	Project Name: Peekskill	Data Format: (Circle) Equis (Excel) Other:
Customer:	Labella Associates DPC	Invoice to: appk@labellapc.com	Requested Deliverable: RCP (ASP CAT B)
Address:	5 McCrea Hill Rd.,		MCP NJ Deliverables
13439	Ballston Spa, NY 12020	Sampled by: Branson Fields	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	AFH
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
03870	SG-03	19859	6.0L	-30	-1	6997	43	1140	1345	4/6/22	-30	-5		X		X	
03871	OA-01	19835	6.0L	-30	0	7026	43	0745	1005		-29	-1	X			X	
03872	Field Dup	19732	6.0L	-30	-4	10599	43	0740	0950		-29	-5	X			X	
03873	SG-01	17160	6.0L	-30	0	10606	43	0755	1000		-28.5	-3		X		X	
	BP *	~~225~~	~~6.0L~~	~~-30~~		3250	42										
03874	SVP-01	11292	6.0L	-30	-4	3248	42	0740	0950		-30	-5		X		X	
03875	SVP-02	357	6.0L	-30	-1	5704	44	0650	0900		-29	-4		X		X	
03876	SG-02	228	6.0L	-30	-3	10619	43	0715	0915		-28.5	-5		X		X	
03877	SVP-03	28559	6.0L	-30	0	7029	42	1220	1445		-30	-2		X		X	
03878	IA-02	12862	6.0L	-30	-1	10604	43	0740	0950	↓	-28	-3	X			X	

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields / LaBella	Phoenix Courier	4/7/22	1130
		4/7/22	1405

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date: 4/6/22

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(14) - 6.0L 2 hr, 30ft Tubing, 14 Connectors

*CanID # 225 not used.

Turnaround Time:
☐ 1 Day
☐ 2 Day
☐ 3 Day
☐ 4 Day
☒ 5 Day

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	(Vapor Intrusion)	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

samples received 4/7 COC received 4/8

PHOENIX
Environmental Laboratories, Inc.

LABELLA

CHAIN OF CUSTODY RECORD
AIR ANALYSES

860-645-1102
email: greg@phoenixlabs.com

P.O. # 2220750 Page 2 of 2

Data Delivery:
☐ Fax #:
☒ Email: ckample labellapc.com
☐ Phone #:

Report to:	Branson Fields	Project Name:	Peekskill
Customer:	Labella Associates DPC	Invoice to:	appke labellapc.com
Address:	5 McCrea Hill Rd.,	Sampled by:	Branson Fields
13439	Ballston Spa, NY 12020	Quote Number:	

Data Format: (Circle) Equis (Excel) Other:
Requested Deliverable: RCP (ASP CAT B) MCP NJ Deliverables

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
03879	IA-04	11291	6.0L	-30	O	3510	45	1230	1455	4/6/22	-30	-2.5	X			X	
03880	IA-03	470	6.0L	-30	O	5673	44	1220	1445		-29.5	-2	X			X	
03881	SUP-04	7646	6.0G	-30	O	5519	44	1230	1455		-30			X		X	
03882	IA-01	23872	6.0L	-30	O	7047	43	0650	0900		-30	-2.5	X			X	

Relinquished by:	Accepted by:	Date:	Time:	
Branson Fields / LaBella	Phoenix Courier	4/7/22	11:30	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:
		4/7/22	1405	Signature: Date: 4/6/22

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(14) - 6.0L 2 hr , 30ft Tubing, 14 Connectors

Turnaround Time:
- 1 Day ☐
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☒

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

Samples received 4/7 COC received 4/8

Lori Bailey

From: Greg Lawrence
Sent: Friday, April 8, 2022 7:45 AM
To: Shannon Wilhelm; Lori Bailey; Christine Paradise; Tara Banning
Subject: FW: 2220750_Peekskill Air Sample Chain-of-Custodies
Attachments: Peekskill_PO2220750_Air Sample COCs.pdf

Good Morning,

Please see below.

Thank you

From: Fields, Branson <bfields@LaBellaPC.com>
Sent: Friday, April 08, 2022 6:31 AM
To: Greg Lawrence <greg@phoenixlabs.com>
Cc: Sarah Bell <sarah@phoenixlabs.com>
Subject: 2220750_Peekskill Air Sample Chain-of-Custodies

Morning Greg,

One of your staff members logging in air/soil/GW samples yesterday evening gave me a call and said there was no COC for the summa canisters. I apparently forgot to send with the courier yesterday, as we were scrambling to figure a way to fit all coolers and air boxes in his vehicle. My apologies, but please see the attached COCs for summas.
Thank You.

Branson Fields
LaBella Associates | Environmental Scientist

4 British American Boulevard
Latham, New York 12110
Office: 518.266.7355
Cell:720.626.6362