

CERTIFIED WEIGHT REPORT

**Part Number:** 79181  
**Lot Number:** 042419  
**Description:** Benzo(g,h,i)perylene

**Solvent:** Acetone  
**Lot#:** 81025

**Expiration Date:** 042424  
**Recommended Storage:** Ambient (20°C)  
**Nominal Concentration (µg/mL):** 1000  
**NIST Test ID#:** 2684186

5E-05 Balance Uncertainty  
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 25.0

		042419
Formulated By:	Mario Luis	DATE
		042419
Reviewed By:	Pedro L. Rentas	DATE

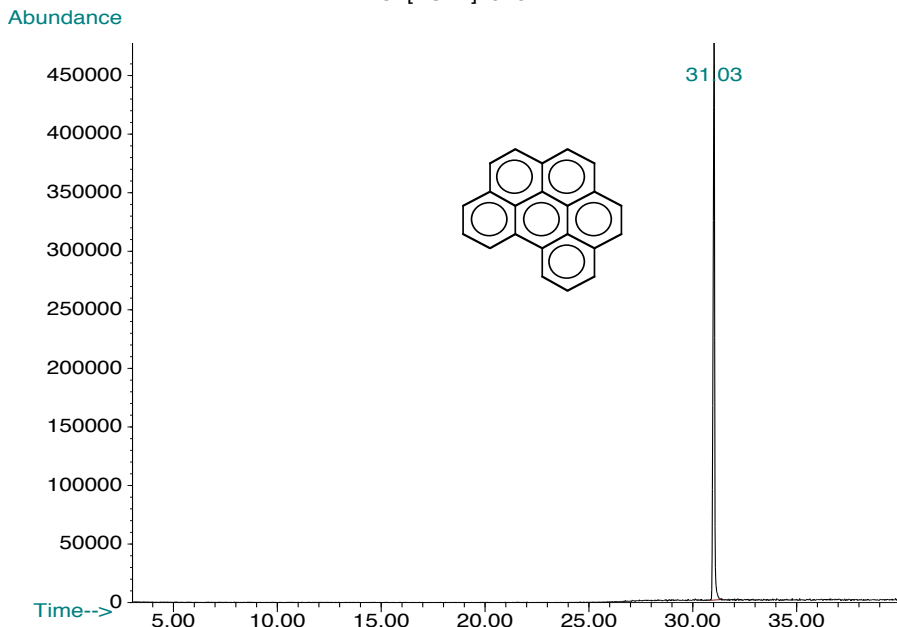
Expanded **SDS Information**  
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	CAS#	OSHA PEL (TWA)	LD50
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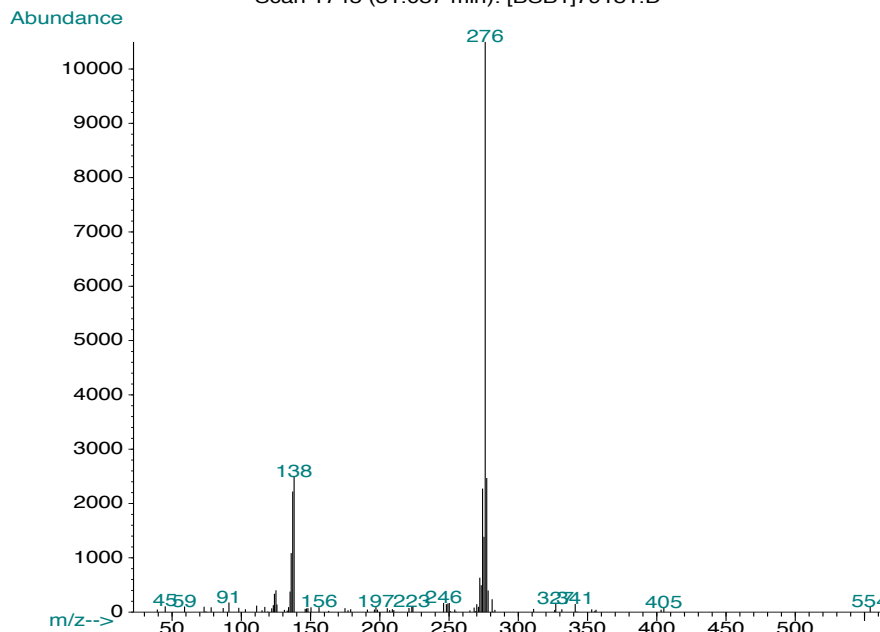
1. Benzo(g,h,i)perylene	32	ER05121401	1000	99	0.2	0.02526	0.02531	1002.0	5.7	191-24-2	N/A	N/A
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**Method GC8MSD-2.M:** Column: SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 320°C (12 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 300°C. Analysis performed by Nicole Poisson.

TIC: [BSB1]79181.D



Scan 1745 (31.087 min): [BSB1]79181.D



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Run 39, "P79181 L042419 [1000µg/mL in Acetone]"**

Run Length: 35.00 min, 20999 points at 10 points/second.  
Created: Thu, Apr 25, 2019 at 4:44:48 PM.  
Sampled: Sequence "042419-GC9M1", Method "GC9-M1".  
Analyzed using Method "GC9-M1 [2]".

**Comments**

GC9-M1 Analysis by Candice Warren  
Column ID Rtx-5 30 meter x 0.53mm x .5µm Film Thickness  
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,  
Air (detector) = 360 mL  
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.  
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.  
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 4

