

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)			THIS RFO <input checked="" type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE OF PAGES 1 16
1. REQUEST NO. N00173-15-Q-0370	2. DATE ISSUED 07/27/15	3. REQUISITION/PURCHASE REQUEST NO. 68-7054-15	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		RATING
5a. ISSUED BY Supply Officer (Code 3410)NRL Washington DC 20375-5329			6. DELIVER BY (Date) TBD		
5b. FOR INFORMATION CALL (NO COLLECT CALLS)			7. DELIVERY		
NAME Lillian M Moore		TELEPHONE NUMBER AREA CODE NUMBER 202 767-3320		<input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)	
8. TO:			9. DESTINATION		
a. NAME To all Quoters		b. COMPANY		a. NAME OF CONSIGNEE Naval Research Laboratory	
c. STREET ADDRESS			b. STREET ADDRESS 4555 Overlook Ave, SW		
d. CITY			c. CITY Washington		
e. STATE		f. ZIP CODE		d. STATE DC	e. ZIP CODE 20375
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date) 08/07/15		IMPORTANT: This is a request for information, and quotations furnished are not officers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or service. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotation must be completed by the quoter.			

11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/ SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
	See attached continuation sheet				

12. DISCOUNT FOR PROMPT PAYMENT <input type="checkbox"/>	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS	
				NUMBER	PERCENTAGE

NOTE: Additional provisions and representations are are not attached.

13. NAME AND ADDRESS OF QUOTER			14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION
a. NAME OF QUOTER			16. SIGNER		b. TELEPHONE
b. STREET ADDRESS					
c. COUNTY			a. NAME (Type or print)		AREA CODE
d. CITY		e. STATE	f. ZIP CODE	c. TITLE (Type or print)	
					NUMBER

CONTINUATION SHEET

To all Quoters

		QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	<p>HPR-30 Vacuum Process Sampling System with 3F/PIC Series Mass Spectrometer; Faraday/Multiplier Detector and Manifold Bake-out Heater Set.</p> <p>Specifications/requirements that the equipment must meet:</p> <p>High speed, fast sampling response measurements. This must be greater than 400 measurements per second of a single mass to charge ratio (M/Z) species.</p> <p>The mass range must be at least 0-300 atomic mass units (AMU)</p> <p>The sensitivity of measurement must be down to at least 100 parts per billion in overall abundance.</p> <p>The system must have an integral differential pumping stage, complete with isolation valve, turbo-molecular high vacuum pump (at least 60 l/s pumping speed), backing mechanical pump, high vacuum gauge and gauge controller, and overpressure trip switches to prevent filament burnout/damage resulting from inlet overpressure condition. The inlet gas range should be up to 5 mbar, with optimized sensitivity in the range of 1-2 mbar.</p> <p>A complete system bake-out must be provided.</p> <p>A re-entrant orifice to sample the gas stream at an optimal location in the ALD chamber exhaust must be provided with interchangeable inlet orifices to optimize inlet orifices to optimize inlet flow to the high vacuum stage. The re-entrant orifice must be 2.75-in standard Con-Flat (CF) vacuum flange.</p> <p>Electron impact (EI) ionization must be provided and must have a software tunable range of at least 0 to 150 eV.</p> <p>The instrument and software provided must be capable of soft ionization and appearance potential mass spectrometry, giving the ability to separate overlapping hydrocarbon /reactant/product species in real time by scanning and independently setting the ionizing electron energy.</p>	1	ea		

CONTINUATION SHEET

To all Quoters

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>The QMS must be capable of high mass resolution of better than 0.5 AMU throughout the mass range, and must be capable of 5% or better valley resolution between adjacent peaks of equal height.</p> <p>Part #VSP1.1/QC2.1.2F/VS2.2 or equal</p> <p>If available please include your company's published price list or cost breakdown and return the RFQ package to the following fax # 202-767-1708 or email to Lillian.moore@nrl.navy.mil</p> <p>Note: Any questions concerning this RFQ should be emailed to this account: SolQnA@nrl.navy.mil before the closing date shown in Block 10 on Page 1 of this RFQ.</p>				