

BlackRock National Municipal Fund
Service Shares | BNMSX
Annual Shareholder Report — June 30, 2025



This annual shareholder report contains important information about BlackRock National Municipal Fund (the “Fund”) for the period of July 1, 2024 to June 30, 2025. You can find additional information about the Fund at blackrock.com/fundreports. You can also request this information by contacting us at (800) 441-7762.

What were the Fund costs for the last year?
(based on a hypothetical \$10,000 investment)

Class name	Costs of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Service Shares	\$71	0.71%

How did the Fund perform last year?

- For the reporting period ended June 30, 2025, the Fund’s Service Shares returned 0.43%.
- For the same period, the Fund’s benchmark, the Bloomberg Municipal Bond Index, returned 1.11%.

What contributed to performance?

Income was a key contributor to absolute performance at a time in which the prices of longer-term bonds declined. Holdings in short- to intermediate-term securities provided positive total returns. At the sector level, the largest contributions came from transportation and corporate-backed issues due to their large portfolio weightings, higher yields, and price appreciation for intermediate-term securities in the category. The Fund’s cash position had no material impact on performance.

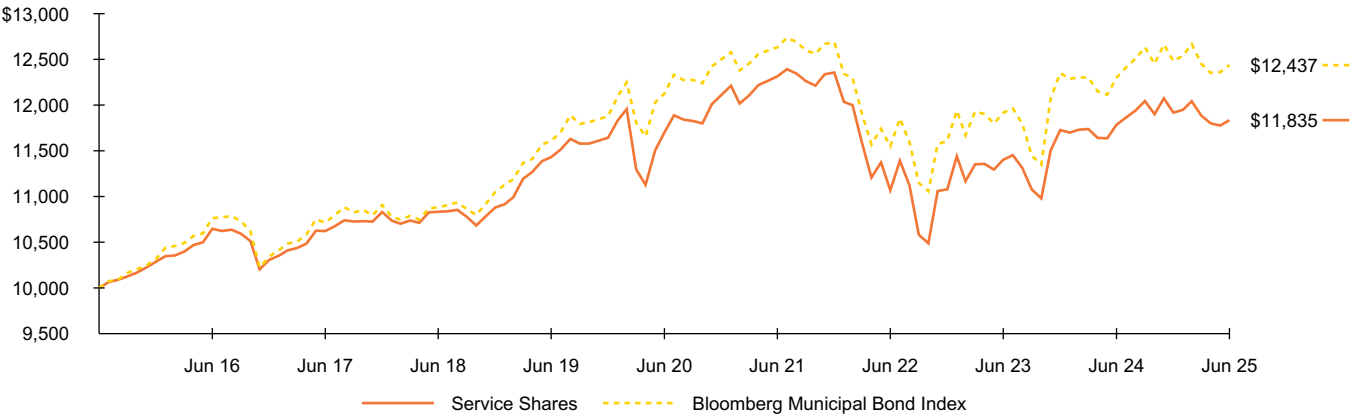
What detracted from performance?

Longer-maturity, discount bonds and/or securities with longer call features finished with losses due to their higher interest rate sensitivity. In high yield, several holdings in smaller, esoteric loans lost ground. At the sector level, work force housing and charter schools experienced negative absolute returns.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Fund performance

Cumulative performance: July 1, 2015 through June 30, 2025
Initial investment of \$10,000



See “Average annual total returns” for additional information on fund performance.

Average annual total returns

	1 Year	5 Years	10 Years
Service Shares	0.43%	0.23%	1.70%
Bloomberg Municipal Bond Index	1.11	0.51	2.20

Average annual total returns reflect reductions for service fees.

Past performance is not an indication of future results. Performance results may include adjustments made for financial reporting purposes in accordance with U.S. generally accepted accounting principles. Performance results do not reflect the deduction of taxes that a shareholder would pay on fund distributions or on the redemption or sale of fund shares. Visit [blackrock.com](https://www.blackrock.com) for more recent performance information.

What did the Fund invest in?

(as of June 30, 2025)

Sector allocation

Sector ^(a)	Percent of Total Investments ^(b)
Transportation	27.1%
Corporate	16.5
State	15.8
Utilities	12.2
Health	11.0
Education	5.7
County/City/Special District/School District	5.3
Housing	5.1
Tobacco	1.3

^(a) For purposes of this report, sector sub-classifications may differ from those utilized by the Fund for compliance purposes.

^(b) Excludes short-term securities.

^(c) For purposes of this report, credit quality ratings shown above reflect the highest rating assigned by either S&P Global Ratings or Moody's Investors Service, Inc. if ratings differ. These rating agencies are independent, nationally recognized statistical rating organizations and are widely used. Investment grade ratings are credit ratings of BBB/Baa or higher. Below investment grade ratings are credit ratings of BB/Ba or lower. Investments designated N/R are not rated by either rating agency. Unrated investments do not necessarily indicate low credit quality. Credit quality ratings are subject to change.

Credit quality allocation

Credit Rating ^(c)	Percent of Total Investments ^(b)
AAA/Aaa	10.5%
AA/Aa	58.0
A	22.5
BBB/Baa	3.4
BB/Ba	0.6
B	0.2
N/R	4.8

Additional information

If you wish to view additional information about the Fund, including but not limited to financial statements, the Fund's prospectus, and proxy voting policies and procedures, please visit [blackrock.com/fundreports](https://www.blackrock.com/fundreports). For proxy voting records, visit [blackrock.com/proxyrecords](https://www.blackrock.com/proxyrecords).

Householding

The Fund will mail only one copy of shareholder documents, including prospectuses, annual and semi-annual reports and proxy statements, to shareholders with multiple accounts at the same address. This practice is commonly called "householding" and is intended to reduce expenses and eliminate duplicate mailings of shareholder documents. Mailings of your shareholder documents may be househanded indefinitely unless you instruct us otherwise. If you do not want the mailing of these documents to be combined with those for other members of your household, please call the Fund at (800) 441-7762.

The Fund is not sponsored, endorsed, issued, sold, or promoted by Bloomberg Index Services Limited and its affiliates, nor does this company make any representation regarding the advisability of investing in the Fund. BlackRock is not affiliated with the company listed above.

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BNMSX-06/25-AR