

# SPARQL end points, Jena and bif:contains

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## Keywords

Sparql, Rdf, Bioclipse, Bio2rdf

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## chem-bla-ics

I have been having fun with SPARQL in [Bioclipse](#) for a while now, and blogged at several occasions:

- [NMRShiftDB enters rdf.openmolecules.net #2: SPARQL end point with Virtuoso](#)
- [Bioclipse and SPARQL end points #2: MyExperiment](#)
- [Bioclipse and SPARQL end points](#)

One thing I had not been able to work out, is that [Virtuoso](#) uses a (rather nice) *bif:contains* extension that support indexing. However, [Jena](#) would complain with:

```
com.hp.hpl.jena.query.QueryParseException: Line 1, column 31: Unresolved
prefixed name: bif:contains
```

Defining the prefix did not solve the problem either, but [Ivan Mikhailov](#) just replied to my post to the [virtuoso-user](#) mailing list providing the solution.

The solution is in the fact that **bif:** is in its own namespace, which makes it possible to replace **bif:contains** by its full reference **<bif:contains>**. I directly gave that a try in Bioclipse, and just succesfull ran this Bioclipse script snippet:

```
rdf.sparqlRemote(
  "http://bio2rdf.org/sparql",
  "SELECT * WHERE {?s ?p ?o . ?o <bif:contains> \"aspirin\" .};"
);
```

Thanx, Ivan!